



WMS 450 Frequency Chart

Band I-50 650.1 to 710.0 MHz

Country:	AT	AT	CH	CH	DE	DE	F1	F2	F3	GB	GB	IE	IE	IS	IS
Group:	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.0	1.1
Frequency 1	650,100	680,000	650,100	680,000	650,100	680,000	650,500	650,225	650,775	650,100	680,000	650,100	680,000	650,100	680,000
Frequency 2	651,000	679,100	651,000	679,100	651,000	679,100	651,250	654,500	652,000	651,000	679,100	651,000	679,100	651,000	679,100
Frequency 3	655,600	674,500	655,600	674,500	655,600	674,500	651,750	658,225	656,975	655,600	674,500	655,600	674,500	655,600	674,500
Frequency 4	663,900	666,200	663,900	666,200	663,900	666,200	655,750	660,900	669,900	663,900	666,200	663,900	666,200	663,900	666,200
Frequency 5	678,800	651,300	678,800	651,300	678,800	651,300	666,500	673,500	677,100	678,800	651,300	678,800	651,300	678,800	651,300
Frequency 6	654,000	676,100	654,000	676,100	654,000	676,100	679,750	676,500	677,500	654,000	676,100	654,000	676,100	654,000	676,100
Frequency 7	668,700	661,400	668,700	661,400	668,700	661,400	671,250	678,100	660,700	668,700	661,400	668,700	661,400	668,700	661,400
Frequency 8	670,100	660,000	670,100	660,000	670,100	660,000	657,250	678,500	672,975	670,100	660,000	670,100	660,000	670,100	660,000
Frequency 9	656,700	673,400	656,700	673,400	656,700	673,400	659,500	650,975	652,700	656,700	673,400	656,700	673,400	656,700	673,400
Frequency 10	670,700	659,400	670,700	659,400	670,700	659,400	676,250	656,775	654,300	670,700	659,400	670,700	659,400	670,700	659,400
Frequency 11	675,100	655,000	675,100	655,000	675,100	655,000		662,100	666,025	675,100	655,000	675,100	655,000	675,100	655,000
Frequency 12	679,200	650,900	679,200	650,900	679,200	650,900				679,200	650,900	679,200	650,900	679,200	650,900

Country:	IT	IT	LI	LI	LU	LU	NL	NL	US	US	CA	CA			
Group:	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.1			
Frequency 1	650,100	680,000	650,100	680,000	650,100	680,000	650,100	680,000	650,100	680,000	650,100	680,000			
Frequency 2	651,000	679,100	651,000	679,100	651,000	679,100	651,000	679,100	651,000	679,100	651,000	679,100			
Frequency 3	655,600	674,500	655,600	674,500	655,600	674,500	655,600	674,500	655,600	674,500	655,600	674,500			
Frequency 4	663,900	666,200	663,900	666,200	663,900	666,200	663,900	666,200	663,900	666,200	663,900	666,200			
Frequency 5	678,800	651,300	678,800	651,300	678,800	651,300	678,800	651,300	678,800	651,300	678,800	651,300			
Frequency 6	654,000	676,100	654,000	676,100	654,000	676,100	654,000	676,100	654,000	676,100	654,000	676,100			
Frequency 7	668,700	661,400	668,700	661,400	668,700	661,400	668,700	661,400	668,700	661,400	668,700	661,400			
Frequency 8	670,100	660,000	670,100	660,000	670,100	660,000	670,100	660,000	670,100	660,000	670,100	660,000			
Frequency 9	656,700	673,400	656,700	673,400	656,700	673,400	656,700	673,400	656,700	673,400	656,700	673,400			
Frequency 10	670,700	659,400	670,700	659,400	670,700	659,400	670,700	659,400	670,700	659,400	670,700	659,400			
Frequency 11	675,100	655,000	675,100	655,000	675,100	655,000	675,100	655,000	675,100	655,000	675,100	655,000			
Frequency 12	679,200	650,900	679,200	650,900	679,200	650,900	679,200	650,900	679,200	650,900	679,200	650,900			



WMS 450 Frequency Chart

Band I-R-30 654.1 to 678.9 MHz

Country:	R1	R1	R1	R1	R2	R2	R2	R2						
Group:	1	1.2	1.4	1.6	1	1.2	1.4	1.6						
Frequency 1	654,100	654,300	654,300	654,400	654,100	654,325	654,675	654,425						
Frequency 2	654,600	654,700	654,700	654,900	654,575	662,100	662,100	654,900						
Frequency 3	662,200	662,100	662,100	662,100	662,225	662,900	662,900	662,100						
Frequency 4	662,900	662,900	662,900	662,800	662,900	670,100	670,900	662,775						
Frequency 5	670,100	670,100	670,900	670,900	670,100	678,425	678,100	670,900						
Frequency 6	678,700	678,400	678,100	678,300	678,675	678,900	678,575	678,325						
Frequency 7	670,900	670,800	670,200	670,100	670,900	654,675	654,325	670,100						
Frequency 8	678,300	678,900	678,600	678,700	678,325	670,775	670,225	678,675						
Frequency 9														
Frequency 10														
Frequency 11														
Frequency 12														



WMS 450 Frequency Chart

Band II-50 680.0 to 710.0 MHz

Country:	AT	AT	CH	CH	DE	DE	F1	F2	F3	GB	GB	IE	IE	IS	IS
Group:	2.0	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.1
Frequency 1	680,000	710,000	680,000	710,000	680,000	710,000	680,500	680,025	680,225	680,000	710,000	680,000	710,000	680,000	710,000
Frequency 2	680,900	709,100	680,900	709,100	680,900	709,100	682,500	685,300	682,025	680,900	709,100	680,900	709,100	680,900	709,100
Frequency 3	685,500	704,500	685,500	704,500	685,500	704,500	686,750	686,500	685,900	685,500	704,500	685,500	704,500	685,500	704,500
Frequency 4	693,800	696,200	693,800	696,200	693,800	696,200	688,500	693,700	688,975	693,800	696,200	693,800	696,200	693,800	696,200
Frequency 5	708,700	681,300	708,700	681,300	708,700	681,300	691,750	704,025	696,225	708,700	681,300	708,700	681,300	708,700	681,300
Frequency 6	683,900	706,100	683,900	706,100	683,900	706,100	703,500	706,975	709,900	683,900	706,100	683,900	706,100	683,900	706,100
Frequency 7	698,600	691,400	698,600	691,400	698,600	691,400	705,750	704,775	698,775	698,600	691,400	698,600	691,400	698,600	691,400
Frequency 8	700,000	690,000	700,000	690,000	700,000	690,000	707,250	708,900	680,975	700,000	690,000	700,000	690,000	700,000	690,000
Frequency 9	686,600	703,400	686,600	703,400	686,600	703,400	695,750	681,500	709,500	686,600	703,400	686,600	703,400	686,600	703,400
Frequency 10	700,600	689,400	700,600	689,400	700,600	689,400	708,250	690,975	684,700	700,600	689,400	700,600	689,400	700,600	689,400
Frequency 11	705,000	685,000	705,000	685,000	705,000	685,000		694,100	708,000	705,000	685,000	705,000	685,000	705,000	685,000
Frequency 12	709,100	680,900	709,100	680,900	709,100	680,900				709,100	680,900	709,100	680,900	709,100	680,900

Country:	IT	IT	LI	LI	LU	LU	NL	NL	US	US	CA	CA			
Group:	2.0	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.0	2.1			
Frequency 1	680,000	710,000	680,000	710,000	680,000	710,000	680,000	710,000	680,000	710,000	680,000	710,000			
Frequency 2	680,900	709,100	680,900	709,100	680,900	709,100	680,900	709,100	680,900	709,100	680,900	709,100			
Frequency 3	685,500	704,500	685,500	704,500	685,500	704,500	685,500	704,500	685,500	704,500	685,500	704,500			
Frequency 4	693,800	696,200	693,800	696,200	693,800	696,200	693,800	696,200	693,800	696,200	693,800	696,200			
Frequency 5	708,700	681,300	708,700	681,300	708,700	681,300	708,700	681,300	708,700	681,300	708,700	681,300			
Frequency 6	683,900	706,100	683,900	706,100	683,900	706,100	683,900	706,100	683,900	706,100	683,900	706,100			
Frequency 7	698,600	691,400	698,600	691,400	698,600	691,400	698,600	691,400	698,600	691,400	698,600	691,400			
Frequency 8	700,000	690,000	700,000	690,000	700,000	690,000	700,000	690,000	700,000	690,000	700,000	690,000			
Frequency 9	686,600	703,400	686,600	703,400	686,600	703,400	686,600	703,400	686,600	703,400	686,600	703,400			
Frequency 10	700,600	689,400	700,600	689,400	700,600	689,400	700,600	689,400	700,600	689,400	700,600	689,400			
Frequency 11	705,000	685,000	705,000	685,000	705,000	685,000	705,000	685,000	705,000	685,000	705,000	685,000			
Frequency 12	709,100	680,900	709,100	680,900	709,100	680,900	709,100	680,900	709,100	680,900	709,100	680,900			



by HARMAN

WMS 450 Frequency Chart

Band III-10 720.0 to 750.0 MHz

Country:	AT	AT	BE	BE	CH	CH	DE	DE	F1	F2	F3	GB	GB	IE	IE
Group:	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.1
Frequency 1	720,000	750,000	734,100	741,900	720,000	750,000	720,000	750,000	720,500	720,025	720,225	720,000	750,000	720,000	750,000
Frequency 2	720,900	749,100	734,900	741,100	720,900	749,100	720,900	749,100	721,250	720,775	722,025	720,900	749,100	720,900	749,100
Frequency 3	725,500	744,500	735,500	740,500	725,500	744,500	725,500	744,500	723,750	722,975	725,900	725,500	744,500	725,500	744,500
Frequency 4	733,800	736,200	738,700	737,300	733,800	736,200	733,800	736,200	728,500	729,500	728,975	733,800	736,200	733,800	736,200
Frequency 5	748,700	721,300	735,900	740,100	748,700	721,300	748,700	721,300	731,500	734,500	736,225	748,700	721,300	748,700	721,300
Frequency 6	723,900	746,100	739,900	736,100	723,900	746,100	723,900	746,100	748,250	740,900	749,900	723,900	746,100	723,900	746,100
Frequency 7	738,600	731,400	737,200	738,800	738,600	731,400	738,600	731,400	737,750	742,100	738,775	738,600	731,400	738,600	731,400
Frequency 8	740,000	730,000	739,200	736,800	740,000	730,000	740,000	730,000	746,500	746,225	720,975	740,000	730,000	740,000	730,000
Frequency 9	726,600	743,400	740,800	735,200	726,600	743,400	726,600	743,400	721,750	732,900	749,500	726,600	743,400	726,600	743,400
Frequency 10	740,600	729,400			740,600	729,400	740,600	729,400	742,750	749,300	724,700	740,600	729,400	740,600	729,400
Frequency 11	745,000	725,000			745,000	725,000	745,000	725,000	743,750		748,000	745,000	725,000	745,000	725,000
Frequency 12	749,100	720,900			749,100	720,900	749,100	720,900				749,100	720,900	749,100	720,900

Country:	IS	IS	IT	IT	LI	LI	LU	LU	NL	NL	PT	PT	SE	SE	AR
Group:	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.1	3.0
Frequency 1	720,000	750,000	720,000	750,000	720,000	750,000	720,000	750,000	720,000	750,000	720,000	750,000	720,000	750,000	720,100
Frequency 2	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	721,000
Frequency 3	725,500	744,500	725,500	744,500	725,500	744,500	725,500	744,500	725,500	744,500	725,500	744,500	725,500	744,500	725,600
Frequency 4	733,800	736,200	733,800	736,200	733,800	736,200	733,800	736,200	733,800	736,200	733,800	736,200	733,800	736,200	733,900
Frequency 5	748,700	721,300	748,700	721,300	748,700	721,300	748,700	721,300	748,700	721,300	748,700	721,300	748,700	721,300	748,800
Frequency 6	723,900	746,100	723,900	746,100	723,900	746,100	723,900	746,100	723,900	746,100	723,900	746,100	723,900	746,100	724,000
Frequency 7	738,600	731,400	738,600	731,400	738,600	731,400	738,600	731,400	738,600	731,400	738,600	731,400	738,600	731,400	738,700
Frequency 8	740,000	730,000	740,000	730,000	740,000	730,000	740,000	730,000	740,000	730,000	740,000	730,000	740,000	730,000	740,100
Frequency 9	726,600	743,400	726,600	743,400	726,600	743,400	726,600	743,400	726,600	743,400	726,600	743,400	726,600	743,400	726,700
Frequency 10	740,600	729,400	740,600	729,400	740,600	729,400	740,600	729,400	740,600	729,400	740,600	729,400	740,600	729,400	740,700
Frequency 11	745,000	725,000	745,000	725,000	745,000	725,000	745,000	725,000	745,000	725,000	745,000	725,000	745,000	725,000	745,100
Frequency 12	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,100	720,900	749,200

Country:	AR	CR	CR												
Group:	3.1	3.0	3.1												
Frequency 1	749,900	740,100	750,000												
Frequency 2	749,000	743,600	746,500												
Frequency 3	744,400	746,200	743,900												
Frequency 4	736,100	747,600	742,500												
Frequency 5	721,200	748,600	741,500												
Frequency 6	746,000	740,600	749,500												
Frequency 7	731,300	741,700	748,400												
Frequency 8	729,900	742,400	747,700												
Frequency 9	743,300	744,500	745,600												
Frequency 10	729,300	748,200	741,900												
Frequency 11	724,900														
Frequency 12	720,800														



WMS 450 Frequency Chart

Band III-K-10 740.1 to 751.9 MHz

Country:	C1	C1	C1	C1	C1	C1	C1	C1	C1	C1					
Group:	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9					
Frequency 1	740,100	751,900	740,100	751,900	740,100	751,900	740,100	751,900	740,400	751,600					
Frequency 2	740,550	751,450	740,550	751,450	741,350	750,650	741,100	750,900	741,200	750,800					
Frequency 3	744,750	747,250	742,700	749,300	744,500	747,500	745,500	746,500	743,600	748,400					
Frequency 4	747,600	744,400	744,450	747,550	747,050	744,950	746,700	745,300	747,800	744,200					
Frequency 5	748,500	743,500	746,800	745,200	750,000	742,000	748,100	743,900	748,200	743,800					
Frequency 6	749,850	742,150	749,600	742,400	751,050	740,950	749,700	742,300	748,800	743,200					
Frequency 7	741,300	750,700	750,300	741,700	751,700	740,300	751,500	740,500	750,400	741,600					
Frequency 8	743,250	748,750	743,050	748,950	740,600	751,400	751,900	740,100	751,800	740,200					
Frequency 9	750,900	741,100	747,600	744,400	743,350	748,650	740,400	751,600	740,100	751,900					
Frequency 10	751,500	740,500	751,250	740,750	744,850	747,150	743,200	748,800	742,900	749,100					
Frequency 11			751,850	740,150	748,650	743,350	744,000	748,000	744,900	747,100					
Frequency 12							747,200	744,800	750,900	741,100					

Country:	C2	C2	C2	C2	C2	C2	C2	C2							
Group:	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7							
Frequency 1	740,100	751,900	740,100	751,900	740,100	751,900	740,100	751,900							
Frequency 2	740,700	751,300	741,800	750,200	741,200	750,800	741,100	750,900							
Frequency 3	743,100	748,900	744,750	747,250	743,000	749,000	742,300	749,700							
Frequency 4	744,000	748,000	747,300	744,700	746,700	745,300	742,800	749,200							
Frequency 5	748,350	743,650	748,450	743,550	747,600	744,400	744,200	747,800							
Frequency 6	750,300	741,700	750,450	741,550	749,000	743,000	748,100	743,900							
Frequency 7	741,750	750,250	751,200	740,800	751,100	740,900	750,600	741,400							
Frequency 8	746,850	745,150	740,750	751,250	751,700	740,300	751,400	740,600							
Frequency 9	751,050	740,950	743,150	748,850	740,400	751,600	740,700	751,300							
Frequency 10	751,500	740,500	746,950	745,050	743,700	748,300	745,100	746,900							
Frequency 11			751,700	740,300	749,500	742,500	748,800	743,200							
Frequency 12					750,700	741,300	751,700	740,300							



WMS 450 Frequency Chart

Band V-A-50 790.0 to 820.0 MHz

Country:	AT	AT	CH	CH	D1	D2	D3	D3	D3	D3	D4	D5	D5	DN	DN
Group:	5.0	5.1	5.0	5.1	5.0	5.0	5.0	5.2	5.4	5.6	5.0	5.0	5.1	5.0	5.1
Frequency 1	790,000	819,900	790,000	819,900	798,100	798,100	798,250	798,300	798,350	798,400	798,850	790,100	813,900	800,200	819,800
Frequency 2	790,900	819,000	790,900	819,000	798,500	798,600	799,200	798,700	800,425	800,475	799,400	790,700	813,300	800,800	819,200
Frequency 3	795,500	814,400	795,500	814,400	799,750	802,425	803,350	799,250	801,000	801,050	801,425	803,300	800,700	813,400	806,600
Frequency 4	803,800	806,100	803,800	806,100	801,575	805,500	809,725	800,950	811,450	811,500	805,075	805,700	798,300	815,800	804,200
Frequency 5	818,700	791,200	818,700	791,200	809,575	812,250	799,900	809,775	802,925	802,975	811,550	809,300	794,700	819,400	800,600
Frequency 6	793,900	816,000	793,900	816,000	811,950	813,900	810,825	812,150	813,650	813,700	812,850	807,100	796,900	817,200	802,800
Frequency 7	808,600	801,300	808,600	801,300	813,900	807,575	812,100	813,600	801,825	801,875	813,775	809,700	794,300	819,800	800,200
Frequency 8	810,000	799,900	810,000	799,900	802,675	800,050	812,575	804,625	808,425	808,475	800,600	791,700	812,300	801,800	818,200
Frequency 9	796,600	813,300	796,600	813,300	808,175	810,425		807,950	812,675	812,725	805,750	793,500	810,500	803,600	816,400
Frequency 10	810,600	799,300	810,600	799,300		811,250					809,100	798,300	805,700	808,400	811,600
Frequency 11	815,000	794,900	815,000	794,900							810,525	801,300	802,700	811,400	808,600
Frequency 12	819,100	790,800	819,100	790,800								802,500	801,500	812,600	807,400

Country:	F1	F2	F3	GB	GB	IE	IE	IS	IS	IT	IT	LI	LI	LU	LU
Group:	5.0	5.0	5.0	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1
Frequency 1	790,750	790,100	790,300	790,000	819,900	790,000	819,900	790,000	819,900	790,000	819,900	790,000	819,900	790,000	819,900
Frequency 2	791,750	792,025	791,000	790,900	819,000	790,900	819,000	790,900	819,000	790,900	819,000	790,900	819,000	790,900	819,000
Frequency 3	792,500	794,225	799,000	795,500	814,400	795,500	814,400	795,500	814,400	795,500	814,400	795,500	814,400	795,500	814,400
Frequency 4	795,750	794,975	805,100	803,800	806,100	803,800	806,100	803,800	806,100	803,800	806,100	803,800	806,100	803,800	806,100
Frequency 5	815,750	804,900	810,025	818,700	791,200	818,700	791,200	818,700	791,200	818,700	791,200	818,700	791,200	818,700	791,200
Frequency 6	819,500	809,500	813,500	793,900	816,000	793,900	816,000	793,900	816,000	793,900	816,000	793,900	816,000	793,900	816,000
Frequency 7	806,750	812,900	794,775	808,600	801,300	808,600	801,300	808,600	801,300	808,600	801,300	808,600	801,300	808,600	801,300
Frequency 8	795,250	818,975	797,900	810,000	799,900	810,000	799,900	810,000	799,900	810,000	799,900	810,000	799,900	810,000	799,900
Frequency 9	800,500	797,300	792,225	796,600	813,300	796,600	813,300	796,600	813,300	796,600	813,300	796,600	813,300	796,600	813,300
Frequency 10	802,500	813,300	813,900	810,600	799,300	810,600	799,300	810,600	799,300	810,600	799,300	810,600	799,300	810,600	799,300
Frequency 11	817,250	814,500	816,225	815,000	794,900	815,000	794,900	815,000	794,900	815,000	794,900	815,000	794,900	815,000	794,900
Frequency 12				819,100	790,800	819,100	790,800	819,100	790,800	819,100	790,800	819,100	790,800	819,100	790,800

Country:	NL	NL	AU	AU	TH	TH									
Group:	5.0	5.1	5.0	5.1	5.0	5.1									
Frequency 1	806,100	819,800	800,200	819,800	794,100	805,900									
Frequency 2	806,600	819,300	800,800	819,200	797,600	802,400									
Frequency 3	808,700	817,200	813,400	806,600	800,200	799,800									
Frequency 4	809,400	816,500	815,800	804,200	801,600	798,400									
Frequency 5	810,500	815,400	819,400	800,600	802,600	797,400									
Frequency 6	811,800	814,100	817,200	802,800	794,600	805,400									
Frequency 7	815,500	810,400	819,800	800,200	795,700	804,300									
Frequency 8	807,500	818,400	801,800	818,200	796,400	803,600									
Frequency 9	814,000	811,900	803,600	816,400	798,500	801,500									
Frequency 10	817,200	808,700	808,400	811,600	802,200	797,800									
Frequency 11	817,800	808,100	811,400	808,600											
Frequency 12	818,200	807,700	812,600	807,400											



WMS 450 Frequency Chart

Band V-C-20 800.2 to 819.8 MHz

Country:	AT	AT	CH	CH	DN	DN	FI	FI	IE	IE	IS	IS	IT	IT
Group:	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1
Frequency 1	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800
Frequency 2	800,800	819,200	800,800	819,200	800,800	819,200	800,800	819,200	800,800	819,200	800,800	819,200	800,800	819,200
Frequency 3	813,400	806,600	813,400	806,600	813,400	806,600	813,400	806,600	813,400	806,600	813,400	806,600	813,400	806,600
Frequency 4	815,800	804,200	815,800	804,200	815,800	804,200	815,800	804,200	815,800	804,200	815,800	804,200	815,800	804,200
Frequency 5	819,400	800,600	819,400	800,600	819,400	800,600	819,400	800,600	819,400	800,600	819,400	800,600	819,400	800,600
Frequency 6	817,200	802,800	817,200	802,800	817,200	802,800	817,200	802,800	817,200	802,800	817,200	802,800	817,200	802,800
Frequency 7	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200	819,800	800,200
Frequency 8	801,800	818,200	801,800	818,200	801,800	818,200	801,800	818,200	801,800	818,200	801,800	818,200	801,800	818,200
Frequency 9	803,600	816,400	803,600	816,400	803,600	816,400	803,600	816,400	803,600	816,400	803,600	816,400	803,600	816,400
Frequency 10	808,400	811,600	808,400	811,600	808,400	811,600	808,400	811,600	808,400	811,600	808,400	811,600	808,400	811,600
Frequency 11	811,400	808,600	811,400	808,600	811,400	808,600	811,400	808,600	811,400	808,600	811,400	808,600	811,400	808,600
Frequency 12	812,600	807,400	812,600	807,400	812,600	807,400	812,600	807,400	812,600	807,400	812,600	807,400	812,600	807,400

Country:	LI	LI	LU	LU	NO	NO	NL	NL	AU	AU	SC	SC		
Group:	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	5.1		
Frequency 1	800,200	819,800	800,200	819,800	800,200	819,800	806,100	813,900	800,200	819,800	800,200	819,800		
Frequency 2	800,800	819,200	800,800	819,200	800,800	819,200	806,600	813,400	800,800	819,200	800,800	819,200		
Frequency 3	813,400	806,600	813,400	806,600	813,400	806,600	808,700	811,300	813,400	806,600	813,400	806,600		
Frequency 4	815,800	804,200	815,800	804,200	815,800	804,200	809,400	810,600	815,800	804,200	815,800	804,200		
Frequency 5	819,400	800,600	819,400	800,600	819,400	800,600	810,500	809,500	819,400	800,600	819,400	800,600		
Frequency 6	817,200	802,800	817,200	802,800	817,200	802,800	811,800	808,200	817,200	802,800	817,200	802,800		
Frequency 7	819,800	800,200	819,800	800,200	819,800	800,200	815,500	804,500	819,800	800,200	819,800	800,200		
Frequency 8	801,800	818,200	801,800	818,200	801,800	818,200	807,500	812,500	801,800	818,200	801,800	818,200		
Frequency 9	803,600	816,400	803,600	816,400	803,600	816,400	814,000	806,000	803,600	816,400	803,600	816,400		
Frequency 10	808,400	811,600	808,400	811,600	808,400	811,600	817,200	802,800	808,400	811,600	808,400	811,600		
Frequency 11	811,400	808,600	811,400	808,600	811,400	808,600	817,800	802,200	811,400	808,600	811,400	808,600		
Frequency 12	812,600	807,400	812,600	807,400	812,600	807,400	818,200	801,800	812,600	807,400	812,600	807,400		



WMS 450 Frequency Chart

Band V-J-10 806.125 to 809.750 MHz

Country:	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1					
Group:	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9					
Frequency 1	806,125	809,745	806,125	809,745	806,125	809,745	806,125	809,745	806,125	809,745					
Frequency 2	806,500	809,370	806,500	809,370	806,500	809,370	807,500	808,370	806,875	808,995					
Frequency 3	808,250	807,620	808,250	807,620	808,250	807,620	809,250	806,620	809,250	806,620					
Frequency 4	809,625	806,245	809,625	806,245	809,750	806,120	809,625	806,245	809,625	806,245					
Frequency 5	807,000	808,870	807,750	808,120	807,750	808,120	806,750	809,120	807,500	808,370					
Frequency 6	809,000	806,870	808,875	806,995	808,875	806,995	808,750	807,120	808,000	807,870					
Frequency 7															
Frequency 8															
Frequency 9															
Frequency 10															
Frequency 11															
Frequency 12															



WMS 450 Frequency Chart

Band V-F-10 819.1 to 823.1 MHz

Country:	H1	H1	H1	H1	H1	H1	H1	H1	H1	H1					
Group:	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9					
Frequency 1	819,100	823,100	819,100	823,100	819,125	823,075	819,125	823,075	819,150	823,050					
Frequency 2	819,500	822,700	820,000	822,200	819,525	822,675	820,025	822,175	819,550	822,650					
Frequency 3	820,200	822,000	820,300	821,900	820,225	821,975	820,325	821,875	820,250	821,950					
Frequency 4	822,100	820,100	821,900	820,300	822,125	820,075	821,925	820,275	822,150	820,050					
Frequency 5	823,000	819,200	822,600	819,600	823,025	819,175	822,625	819,575	823,050	819,150					
Frequency 6	821,800	820,400	823,000	819,200	821,825	820,375	823,025	819,175	821,850	820,350					
Frequency 7															
Frequency 8															
Frequency 9															
Frequency 10															
Frequency 11															
Frequency 12															



WMS 450 Frequency Chart

Band V-E-50 794.1 to 805.9 MHz

Country:	TH	TH													
Group:	5.0	5.1													
Frequency 1	794,100	805,900													
Frequency 2	797,600	802,400													
Frequency 3	800,200	799,800													
Frequency 4	801,600	798,400													
Frequency 5	802,600	797,400													
Frequency 6	794,600	805,400													
Frequency 7	795,700	804,300													
Frequency 8	796,400	803,600													
Frequency 9	798,500	801,500													
Frequency 10	802,200	797,800													
Frequency 11															
Frequency 12															



WMS 450 Frequency Chart

Band VI-A-10 835.0 to 861.9 MHz

Country:	AT	AT	BE	CH	CH	D5	D5	DN	U1	U1	U1	U2	U2	U2
Group:	6.0	6.1	6.0	6.0	6.1	6.0	6.1	6.0	6.0	6.2	6.4	6.0	6.2	6.4
Frequency 1	835,000	861,900	854,500	835,000	861,900	838,100	861,900	854,500	854,900	854,900	854,900	854,500	854,400	854,400
Frequency 2	835,400	861,500	857,100	835,400	861,500	838,700	861,300	857,100	855,900	855,900	855,900	855,100	855,000	856,100
Frequency 3	836,450	860,450	860,500	836,450	860,450	851,300	848,700	860,500	858,200	856,575	856,575	856,700	859,400	857,100
Frequency 4	840,400	856,500	863,300	840,400	856,500	853,700	846,300	863,300	858,650	858,650	858,650	858,000	860,800	857,500
Frequency 5	857,550	839,350	864,200	857,550	839,350	857,300	842,700	864,200	863,350	861,750	863,175	863,500	863,100	861,200
Frequency 6	841,650	855,250	864,800	841,650	855,250	855,100	844,900	864,800	864,600	863,150	864,400	864,500	864,100	863,400
Frequency 7	861,150	835,750	854,100	861,150	835,750	857,700	842,300	854,100	861,200	861,200	861,750	857,200	856,500	861,900
Frequency 8	843,600	853,300	858,100	843,600	853,300	839,700	860,300	858,100	861,750	864,050	861,200	864,900	858,900	864,200
Frequency 9	846,050	850,850	855,900	846,050	850,850	841,500	858,500	855,900				856,000	857,800	855,500
Frequency 10	853,400	843,500	856,400	853,400	843,500	846,300	853,700	856,400				859,100	858,200	860,000
Frequency 11	858,150	838,750	861,300	858,150	838,750	849,300	850,700	861,300				861,700	864,900	864,700
Frequency 12	860,300	836,600		860,300	836,600	850,500	849,500							

Country:	GB	GB	IS	IS	LI	LI	LU	LU	PT	PT	SE	SE	EU	EU
Group:	6.0	6.1	6.0	6.1	6.0	6.1	6.0	6.1	6.0	6.1	6.0	6.1	6.0	6.1
Frequency 1	835,000	853,900	835,000	861,900	835,000	861,900	835,000	861,900	835,000	861,900	835,000	861,900	863,100	864,900
Frequency 2	835,400	853,500	835,400	861,500	835,400	861,500	835,400	861,500	835,400	861,500	835,400	861,500	863,550	864,450
Frequency 3	836,500	852,400	836,450	860,450	836,450	860,450	836,450	860,450	836,450	860,450	836,450	860,450	864,350	863,650
Frequency 4	845,900	843,000	840,400	856,500	840,400	856,500	840,400	856,500	840,400	856,500	840,400	856,500	864,900	863,100
Frequency 5	851,550	837,350	857,550	839,350	857,550	839,350	857,550	839,350	857,550	839,350	857,550	839,350		
Frequency 6	852,850	836,050	841,650	855,250	841,650	855,250	841,650	855,250	841,650	855,250	841,650	855,250		
Frequency 7	842,850	846,050	861,150	835,750	861,150	835,750	861,150	835,750	861,150	835,750	861,150	835,750		
Frequency 8	848,100	840,800	843,600	853,300	843,600	853,300	843,600	853,300	843,600	853,300	843,600	853,300		
Frequency 9	838,300	850,600	846,050	850,850	846,050	850,850	846,050	850,850	846,050	850,850	846,050	850,850		
Frequency 10	840,900	848,000	853,400	843,500	853,400	843,500	853,400	843,500	853,400	843,500	853,400	843,500		
Frequency 11	839,250	849,650	858,150	838,750	858,150	838,750	858,150	838,750	858,150	838,750	858,150	838,750		
Frequency 12	852,100	836,800	860,300	836,600	860,300	836,600	860,300	836,600	860,300	836,600	860,300	836,600		



WMS 450 Frequency Chart

Band VII-50 500.1 to 530 MHz

Country:	AT	AT	BE	BE	CH	CH	DE	DE	F1	F2	F3	GB	GB	IE	IE
Group:	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.0	7.0	7.0	7.1	7.0	7.1
Frequency 1	500,100	529,900	518,100	525,900	500,100	529,900	500,100	529,900	500,250	500,500	500,700	500,100	529,900	500,100	529,900
Frequency 2	501,000	529,000	518,500	525,500	501,000	529,000	501,000	529,000	502,750	501,700	501,500	501,000	529,000	501,000	529,000
Frequency 3	505,600	524,400	519,700	524,300	505,600	524,400	505,600	524,400	506,500	504,775	509,900	505,600	524,400	505,600	524,400
Frequency 4	513,900	516,100	520,550	523,450	513,900	516,100	513,900	516,100	510,750	505,500	512,225	513,900	516,100	513,900	516,100
Frequency 5	528,800	501,200	521,100	522,900	528,800	501,200	528,800	501,200	511,500	510,100	516,000	528,800	501,200	528,800	501,200
Frequency 6	504,000	526,000	523,300	520,700	504,000	526,000	504,000	526,000	513,750	517,300	520,225	504,000	526,000	504,000	526,000
Frequency 7	518,700	511,300	524,350	519,650	518,700	511,300	518,700	511,300	515,500	517,700	525,500	518,700	511,300	518,700	511,300
Frequency 8	520,100	509,900	525,050	518,950	520,100	509,900	520,100	509,900	523,250	520,025	525,900	520,100	509,900	520,100	509,900
Frequency 9	506,700	523,300			506,700	523,300	506,700	523,300	527,750	526,500	527,000	506,700	523,300	506,700	523,300
Frequency 10	520,700	509,300			520,700	509,300	520,700	509,300	529,250	528,025	528,975	520,700	509,300	520,700	509,300
Frequency 11	525,100	504,900			525,100	504,900	525,100	504,900	529,750			525,100	504,900	525,100	504,900
Frequency 12	529,200	500,800			529,200	500,800	529,200	500,800				529,200	500,800	529,200	500,800

Country:	IS	IS	IT	IT	LI	LI	LU	LU	NL	NL	US	US	CA	CA	
Group:	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.1	
Frequency 1	500,100	529,900	500,100	529,900	500,100	529,900	500,100	529,900	500,100	529,900	500,100	529,900	500,100	529,900	
Frequency 2	501,000	529,000	501,000	529,000	501,000	529,000	501,000	529,000	501,000	529,000	501,000	529,000	501,000	529,000	
Frequency 3	505,600	524,400	505,600	524,400	505,600	524,400	505,600	524,400	505,600	524,400	505,600	524,400	505,600	524,400	
Frequency 4	513,900	516,100	513,900	516,100	513,900	516,100	513,900	516,100	513,900	516,100	513,900	516,100	513,900	516,100	
Frequency 5	528,800	501,200	528,800	501,200	528,800	501,200	528,800	501,200	528,800	501,200	528,800	501,200	528,800	501,200	
Frequency 6	504,000	526,000	504,000	526,000	504,000	526,000	504,000	526,000	504,000	526,000	504,000	526,000	504,000	526,000	
Frequency 7	518,700	511,300	518,700	511,300	518,700	511,300	518,700	511,300	518,700	511,300	518,700	511,300	518,700	511,300	
Frequency 8	520,100	509,900	520,100	509,900	520,100	509,900	520,100	509,900	520,100	509,900	520,100	509,900	520,100	509,900	
Frequency 9	506,700	523,300	506,700	523,300	506,700	523,300	506,700	523,300	506,700	523,300	506,700	523,300	506,700	523,300	
Frequency 10	520,700	509,300	520,700	509,300	520,700	509,300	520,700	509,300	520,700	509,300	520,700	509,300	520,700	509,300	
Frequency 11	525,100	504,900	525,100	504,900	525,100	504,900	525,100	504,900	525,100	504,900	525,100	504,900	525,100	504,900	
Frequency 12	529,200	500,800	529,200	500,800	529,200	500,800	529,200	500,800	529,200	500,800	529,200	500,800	529,200	500,800	



WMS 450 Frequency Chart

Band VIII-50 570.0 to 600.0 MHz

Country:	AT	AT	BE	BE	CH	CH	DE	DE	F1	F2	F3	GB	GB	IE	IE
Group:	8.0	8.1	8.0	8.1	8.0	8.1	8.0	8.1	8.0	8.0	8.0	8.0	8.1	8.0	8.1
Frequency 1	570,000	600,000	582,100	587,900	570,000	600,000	570,000	600,000	570,500	570,225	570,775	570,000	600,000	570,000	600,000
Frequency 2	570,900	599,100	582,500	587,500	570,900	599,100	570,900	599,100	571,500	572,500	573,100	570,900	599,100	570,900	599,100
Frequency 3	575,500	594,500	583,700	586,300	575,500	594,500	575,500	594,500	575,750	572,900	575,000	575,500	594,500	575,500	594,500
Frequency 4	583,800	586,200	584,550	585,450	583,800	586,200	583,800	586,200	577,750	578,975	580,700	583,800	586,200	583,800	586,200
Frequency 5	598,700	571,300	585,100	584,900	598,700	571,300	598,700	571,300	579,250	580,500	581,500	598,700	571,300	598,700	571,300
Frequency 6	573,900	596,100	587,300	582,700	573,900	596,100	573,900	596,100	590,750	582,500	588,700	573,900	596,100	573,900	596,100
Frequency 7	588,600	581,400	588,350	581,650	588,600	581,400	588,600	581,400	591,250	593,500	594,025	588,600	581,400	588,600	581,400
Frequency 8	590,000	580,000	589,050	580,950	590,000	580,000	590,000	580,000	593,750	594,225	597,500	590,000	580,000	590,000	580,000
Frequency 9	576,600	593,400			576,600	593,400	576,600	593,400	594,500	597,300	597,900	576,600	593,400	576,600	593,400
Frequency 10	590,600	579,400			590,600	579,400	590,600	579,400	599,250	598,500	599,000	590,600	579,400	590,600	579,400
Frequency 11	595,000	575,000			595,000	575,000	595,000	575,000				595,000	575,000	595,000	575,000
Frequency 12	599,100	570,900			599,100	570,900	599,100	570,900				599,100	570,900	599,100	570,900

Country:	IS	IS	IT	IT	LI	LI	LU	LU	NL	NL	US	US	CA	CA	
Group:	8.0	8.1	8.0	8.1	8.0	8.1	8.0	8.1	8.0	8.1	8.0	8.1	8.0	8.1	
Frequency 1	570,000	600,000	570,000	600,000	570,000	600,000	570,000	600,000	570,000	600,000	570,000	600,000	570,000	600,000	
Frequency 2	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	
Frequency 3	575,500	594,500	575,500	594,500	575,500	594,500	575,500	594,500	575,500	594,500	575,500	594,500	575,500	594,500	
Frequency 4	583,800	586,200	583,800	586,200	583,800	586,200	583,800	586,200	583,800	586,200	583,800	586,200	583,800	586,200	
Frequency 5	598,700	571,300	598,700	571,300	598,700	571,300	598,700	571,300	598,700	571,300	598,700	571,300	598,700	571,300	
Frequency 6	573,900	596,100	573,900	596,100	573,900	596,100	573,900	596,100	573,900	596,100	573,900	596,100	573,900	596,100	
Frequency 7	588,600	581,400	588,600	581,400	588,600	581,400	588,600	581,400	588,600	581,400	588,600	581,400	588,600	581,400	
Frequency 8	590,000	580,000	590,000	580,000	590,000	580,000	590,000	580,000	590,000	580,000	590,000	580,000	590,000	580,000	
Frequency 9	576,600	593,400	576,600	593,400	576,600	593,400	576,600	593,400	576,600	593,400	576,600	593,400	576,600	593,400	
Frequency 10	590,600	579,400	590,600	579,400	590,600	579,400	590,600	579,400	590,600	579,400	590,600	579,400	590,600	579,400	
Frequency 11	595,000	575,000	595,000	575,000	595,000	575,000	595,000	575,000	595,000	575,000	595,000	575,000	595,000	575,000	
Frequency 12	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	599,100	570,900	



WMS 450 Frequency Chart

Band IX-U 600.1 to 629.9 MHz

Country:	U1	U1	U1	U1	U1	U1	U1	U1	U2	U2	U2	U2	U2	U2
Group:	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.0	9.1	U2	U2	U2	U2
Frequency 1	607,250	612,850	606,500	613,500	614,500	621,500	622,500	629,500	606,500	621,500	9.2	9.3	9.4	9.5
Frequency 2	607,650	612,450	608,650	611,350	616,650	619,350	624,650	627,350	606,900	621,100	606,500	629,500	606,500	629,500
Frequency 3	608,900	611,200	611,450	608,550	619,450	616,550	627,450	624,550	609,800	618,200	606,900	629,100	606,900	629,100
Frequency 4	610,950	609,150	612,750	607,250	620,750	615,250	628,750	623,250	614,800	613,200	608,300	627,700	611,900	624,100
Frequency 5	611,800	608,300	613,150	606,850	621,150	614,850	629,150	622,850	618,550	609,450	611,400	624,600	613,500	622,500
Frequency 6	612,400	607,700	607,150	612,850	615,150	620,850	623,150	628,850	619,400	608,600	623,200	612,800	615,500	620,500
Frequency 7			609,500	610,500	617,500	618,500	625,500	626,500	620,650	607,350	626,000	610,000	621,500	614,500
Frequency 8									607,950	620,050	627,000	609,000	626,100	609,900
Frequency 9									610,450	617,550	629,500	606,500	607,900	628,100
Frequency 10									612,100	615,900	612,600	623,400	618,700	617,300
Frequency 11											625,400	610,600	627,900	608,100
Frequency 12													628,700	607,300

Country:	U3	U3	U3	U3										
Group:	9.0	9.1	9.2	9.3										
Frequency 1	600,100	629,900	600,100	629,900										
Frequency 2	601,000	629,000	601,000	629,000										
Frequency 3	605,600	624,400	602,500	627,500										
Frequency 4	613,900	616,100	605,200	624,800										
Frequency 5	628,800	601,200	612,400	617,600										
Frequency 6	604,000	626,000	616,900	613,100										
Frequency 7	618,700	611,300	618,700	611,300										
Frequency 8	620,100	609,900	619,900	610,100										
Frequency 9	606,700	623,300	623,500	606,500										
Frequency 10	620,700	609,300	625,600	604,400										
Frequency 11	625,100	604,900	628,900	601,100										
Frequency 12														