

10.5 Radiated Emissions below 1GHz

Requirement(s):

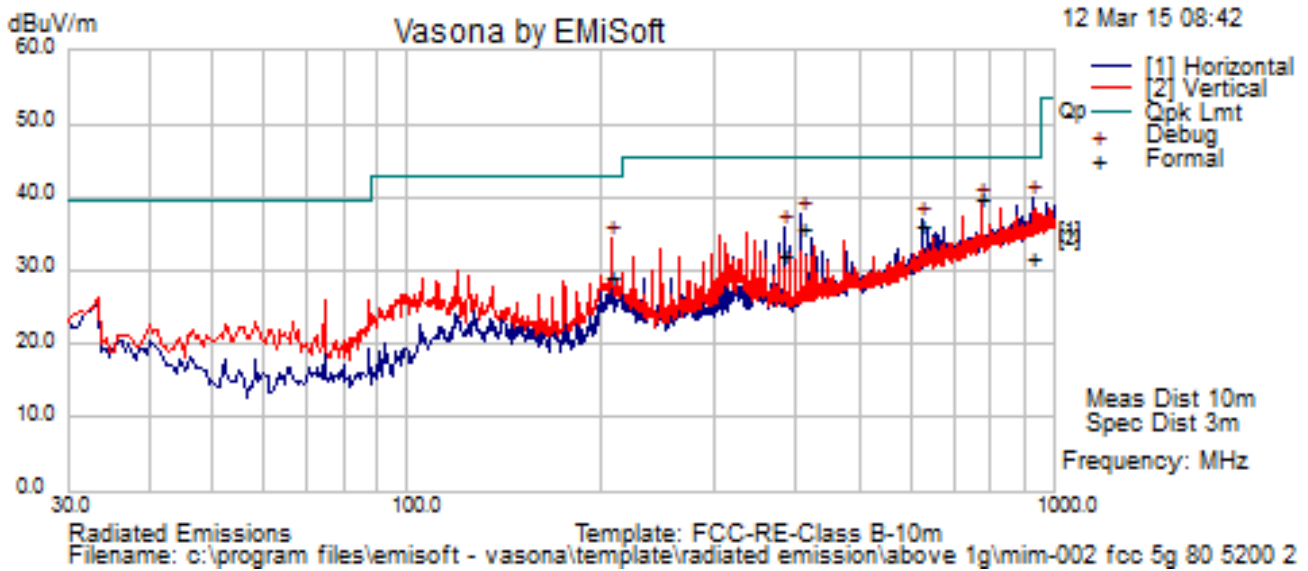
Spec	Requirement	Applicable										
47CFR§ 15.407(b) 15.209 (a)	<p>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges</p> <table border="1"> <thead> <tr> <th>Frequency range (MHz)</th> <th>Field Strength (uV/m)</th> </tr> </thead> <tbody> <tr> <td>30 – 88</td> <td>100</td> </tr> <tr> <td>88 – 216</td> <td>150</td> </tr> <tr> <td>216 960</td> <td>200</td> </tr> <tr> <td>Above 960</td> <td>500</td> </tr> </tbody> </table>	Frequency range (MHz)	Field Strength (uV/m)	30 – 88	100	88 – 216	150	216 960	200	Above 960	500	☒
Frequency range (MHz)	Field Strength (uV/m)											
30 – 88	100											
88 – 216	150											
216 960	200											
Above 960	500											
Test Setup												
Procedure	<ol style="list-style-type: none"> The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: <ol style="list-style-type: none"> Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. The EUT was then rotated to the direction that gave the maximum emission. Finally, the antenna height was adjusted to the height that gave the maximum emission. A Quasi-peak measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured. 											
Remark	The EUT was scanned up to 1GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case. Measurement distance was 10m, however the result was corrected to 3m distance.											
Result	☒ Pass ☐ Fail											

Test Data ☒ Yes (See below) ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Radiated Emission Test Results (Below 1GHz)

Test specification:	Radiated Spurious Emissions (30MHz – 1000MHz)		
Environmental Conditions:	Temp(°C):	20	Result:
	Humidity (%):	36	
	Atmospheric(mbar):	1021	
Mains Power:	120VAC, 60Hz		
Tested by:	Teody Manansala		
Test Date:	03/12/2015		
Remarks:	5200MHz – 80 BW Measurement distance was 10m, however the result was corrected to 3m distance.		

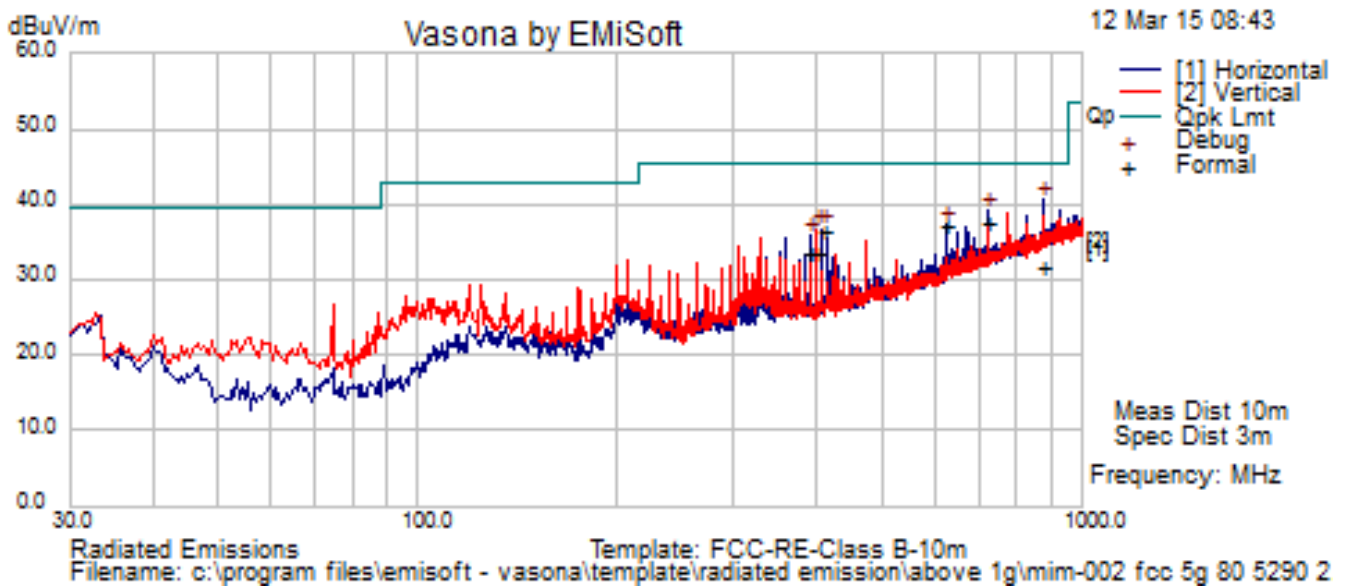


Quasi Max Measurement

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
925.44	30.90	6.72	-5.90	31.72	Quasi Max	H	171.00	220.00	45.50	-13.78	Pass
775.00	41.19	5.98	-7.54	39.63	Quasi Max	V	218.00	349.00	45.50	-5.87	Pass
407.99	45.20	3.68	-13.18	35.70	Quasi Max	H	136.00	98.00	45.50	-9.80	Pass
625.02	40.73	5.08	-9.89	35.92	Quasi Max	H	147.00	197.00	45.50	-9.58	Pass
207.99	44.93	2.57	-18.51	28.98	Quasi Max	V	172.00	32.00	43.00	-14.02	Pass
383.97	42.63	3.53	-14.01	32.16	Quasi Max	H	203.00	92.00	45.50	-13.34	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

Test specification:	Radiated Spurious Emissions (30MHz – 1000MHz)		
Environmental Conditions:	Temp(°C):	20	Result:
	Humidity (%):	36	
	Atmospheric(mbar):	1021	
Mains Power:	120VAC, 60Hz	<input checked="" type="checkbox"/> Pass	
Tested by:	Teody Manansala	<input type="checkbox"/> Fail	
Test Date:	03/12/2015		
Remarks:	5290MHz – 80 BW Measurement distance was 10m, however the result was corrected to 3m distance.		

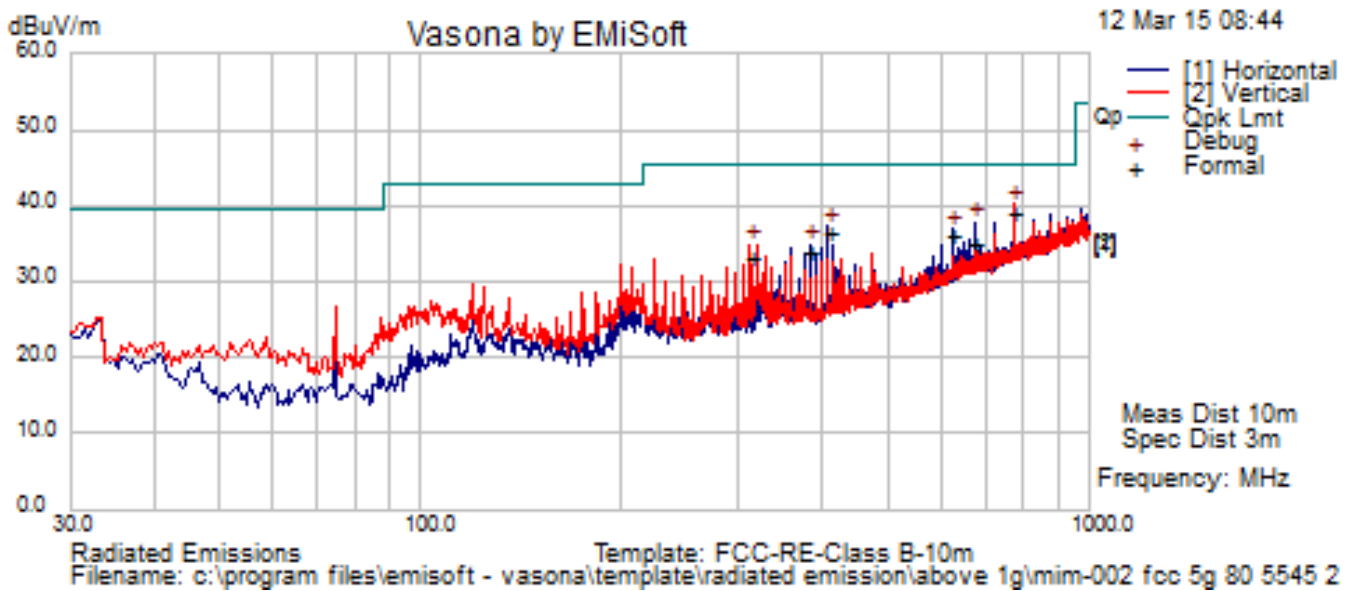


Quasi Max Measurement

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
875.49	31.62	6.49	-6.58	31.53	Quasi Max	H	284.00	266.00	45.50	-13.97	Pass
724.98	40.26	5.70	-8.43	37.53	Quasi Max	H	134.00	206.00	45.50	-7.97	Pass
624.98	41.83	5.08	-9.90	37.01	Quasi Max	H	160.00	23.00	45.50	-8.49	Pass
408.01	46.02	3.68	-13.17	36.52	Quasi Max	H	222.00	98.00	45.50	-8.98	Pass
400.00	43.55	3.63	-13.61	33.57	Quasi Max	H	167.00	128.00	45.50	-11.93	Pass
392.02	43.62	3.58	-13.87	33.33	Quasi Max	H	196.00	116.00	45.50	-12.17	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

Test specification:	Radiated Spurious Emissions (30MHz – 1000MHz)		
Environmental Conditions:	Temp(°C):	20	Result:
	Humidity (%):	36	
	Atmospheric(mbar):	1021	
Mains Power:	120VAC, 60Hz		<input checked="" type="checkbox"/> Pass
Tested by:	Teody Manansala		<input type="checkbox"/> Fail
Test Date:	03/12/2015		
Remarks:	5545MHz – 80 BW Measurement distance was 10m, however the result was corrected to 3m distance.		

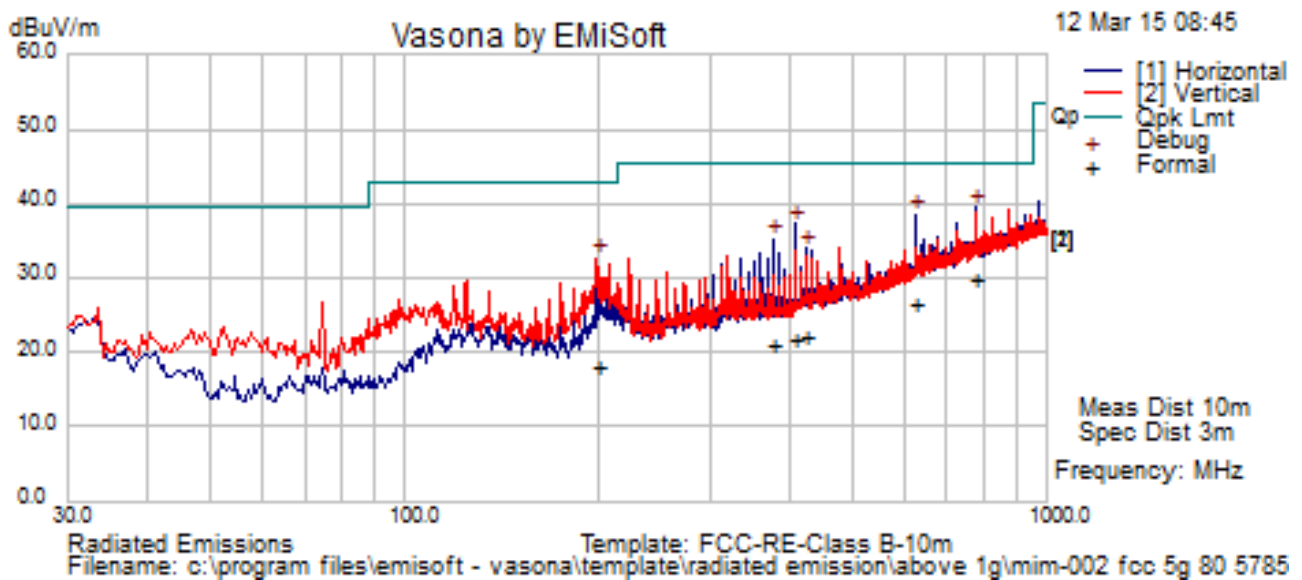


Quasi Max Measurement

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
775.00	40.54	5.98	-7.54	38.98	Quasi Max	V	155.00	356.00	45.50	-6.52	Pass
675.00	38.66	5.40	-9.11	34.96	Quasi Max	H	132.00	213.00	45.50	-10.54	Pass
407.99	46.07	3.68	-13.17	36.57	Quasi Max	H	194.00	89.00	45.50	-8.93	Pass
625.01	40.80	5.08	-9.89	35.99	Quasi Max	H	107.00	39.00	45.50	-9.51	Pass
384.01	44.45	3.54	-14.01	33.98	Quasi Max	H	197.00	85.00	45.50	-11.52	Pass
311.98	45.61	3.05	-15.43	33.23	Quasi Max	V	102.00	31.00	45.50	-12.27	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

Test specification:	Radiated Spurious Emissions (30MHz – 1000MHz)		
Environmental Conditions:	Temp(°C):	20	Result:
	Humidity (%):	36	
	Atmospheric(mbar):	1021	
Mains Power:	120VAC, 60Hz	<input checked="" type="checkbox"/> Pass	
Tested by:	Teody Manansala	<input type="checkbox"/> Fail	
Test Date:	03/12/2015		
Remarks:	5785MHz – 80 BW Measurement distance was 10m, however the result was corrected to 3m distance.		



Quasi Max Measurement

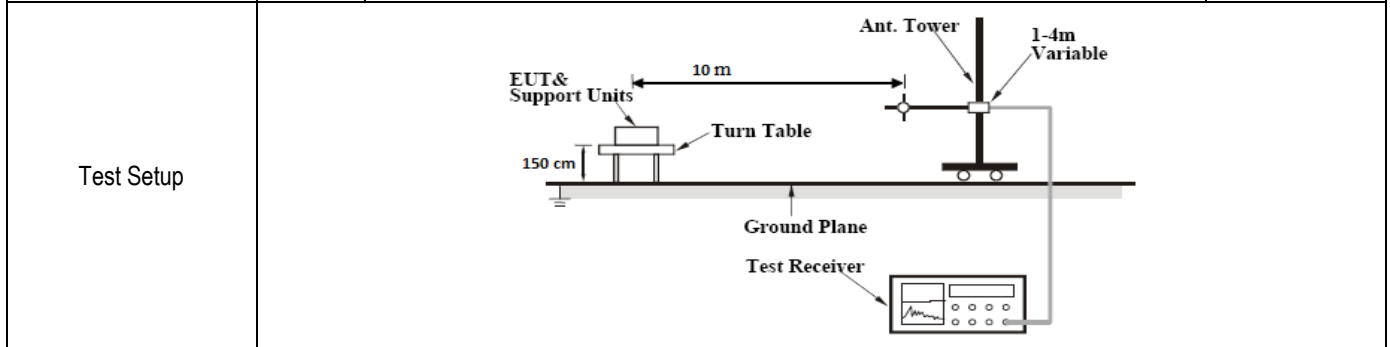
Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
775.16	31.49	5.98	-7.54	29.92	Quasi Max	H	251.00	103.00	45.50	-15.58	Pass
625.31	31.30	5.08	-9.88	26.51	Quasi Max	H	210.00	77.00	45.50	-18.99	Pass
407.64	31.36	3.67	-13.19	21.85	Quasi Max	H	271.00	132.00	45.50	-23.65	Pass
375.71	31.40	3.48	-14.01	20.88	Quasi Max	H	354.00	244.00	45.50	-24.62	Pass
199.73	32.06	2.53	-16.43	18.16	Quasi Max	V	304.00	353.00	43.00	-24.84	Pass
423.58	31.27	3.76	-12.97	22.06	Quasi Max	H	201.00	181.00	45.50	-23.44	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

10.6 Radiated Spurious Emissions Above 1GHz

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§ 15.407(b)(2), 15.407(b)(6)	(1)	For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(2)	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.	<input checked="" type="checkbox"/>
	(3)	For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(4)	For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(5)	Restricted band, emission must also comply with the radiated emission limits specified in 15.209	<input checked="" type="checkbox"/>



Procedure	<ol style="list-style-type: none"> The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: <ol style="list-style-type: none"> Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. The EUT was then rotated to the direction that gave the maximum emission. Finally, the antenna height was adjusted to the height that gave the maximum emission. An average measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.
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Remark	The EUT was scanned up to 40GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case. Measurement distance was 10m, however the result was corrected to 3m distance.
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Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
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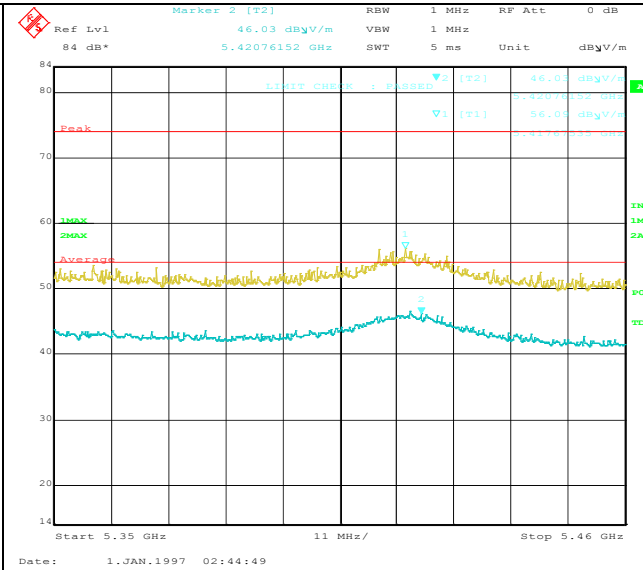
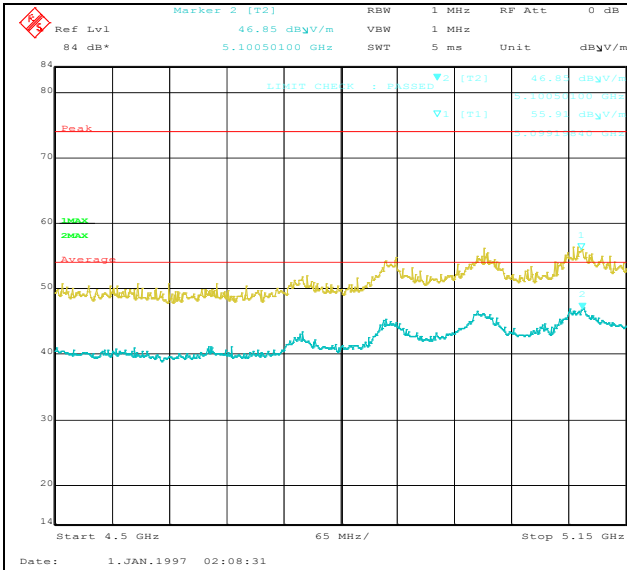
Equipment Setting

Test	RBW	VBW	Span	Detector	Sweep	Trace	Notes
Radiated Spurious Emission	1MHz	3MHz	1GHz - 40 GHz	Peak	Auto	Max hold	PK Measurement
Radiated Spurious Emission	1MHz	10Hz	1GHz - 40 GHz	Peak	Auto	Max hold	Ave Measurement

Test Data Yes (See below) N/A

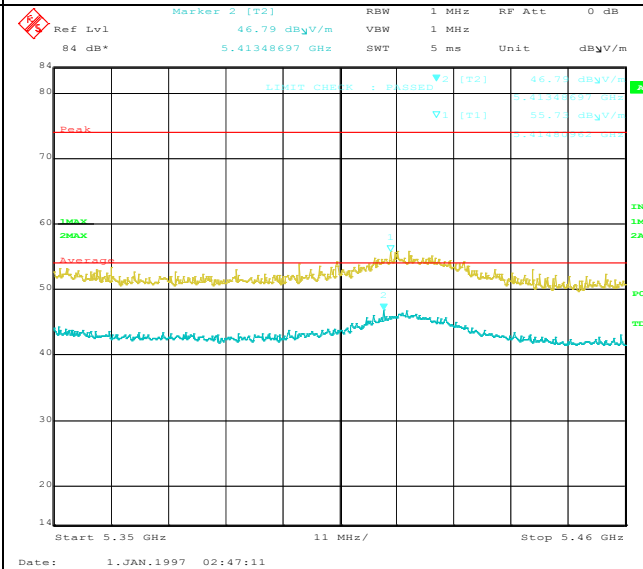
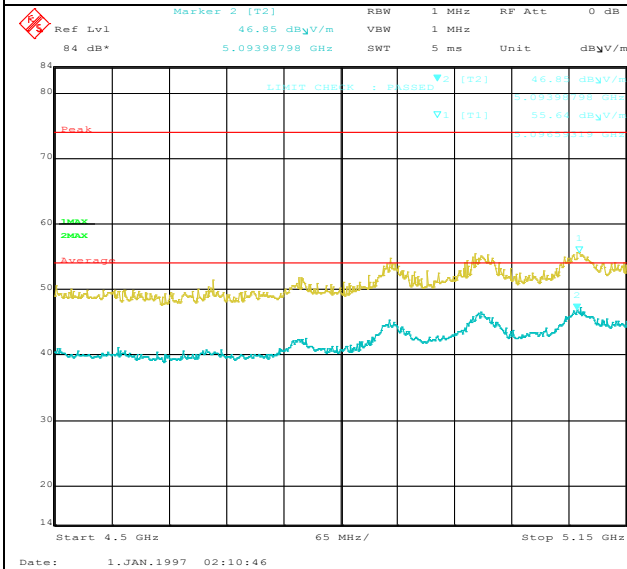
Test Plot Yes (See below) N/A

Restricted band Measurement Plots:



Restricted Band-5170MHz (20MHz) – Edge Freq 5150MHz

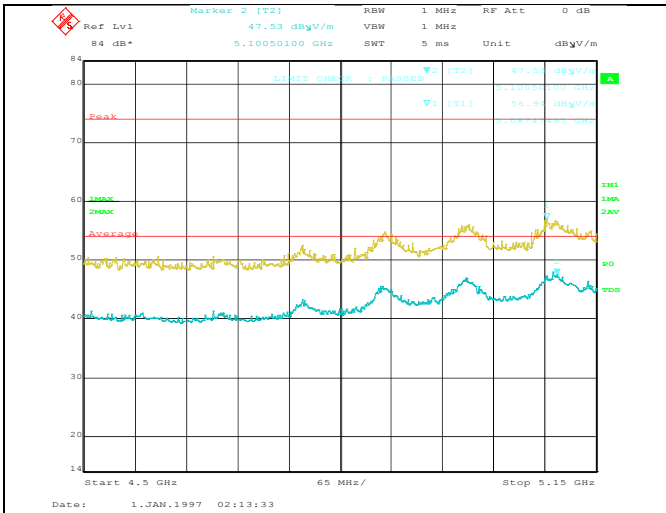
Restricted Band-5320MHz (20MHz) – Edge Freq 5350MHz



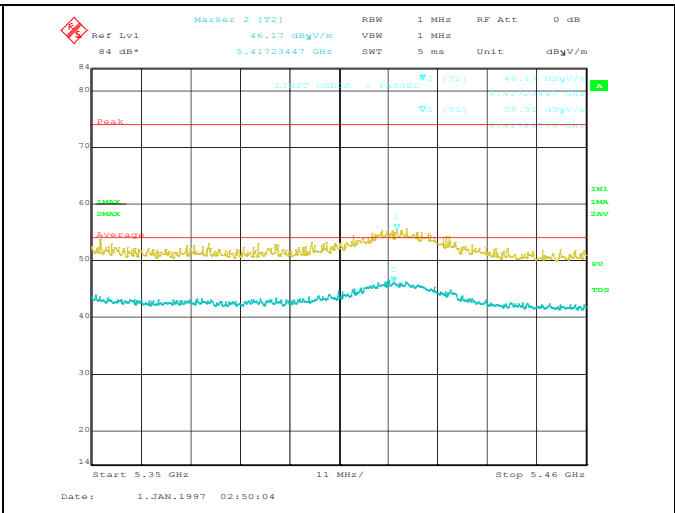
Restricted Band-5175MHz (40MHz) – Edge Freq 5150MHz

Restricted Band-5310MHz (40MHz) – Edge Freq 5350MHz

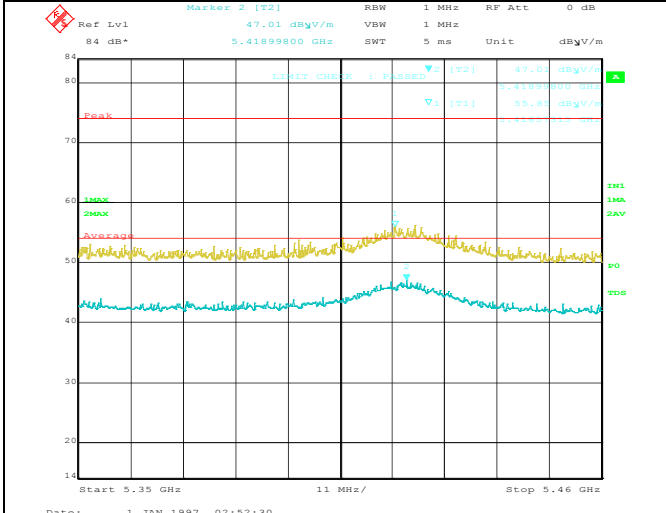
Note: Measurement distance was 10m, however the result was corrected to 3m distance.



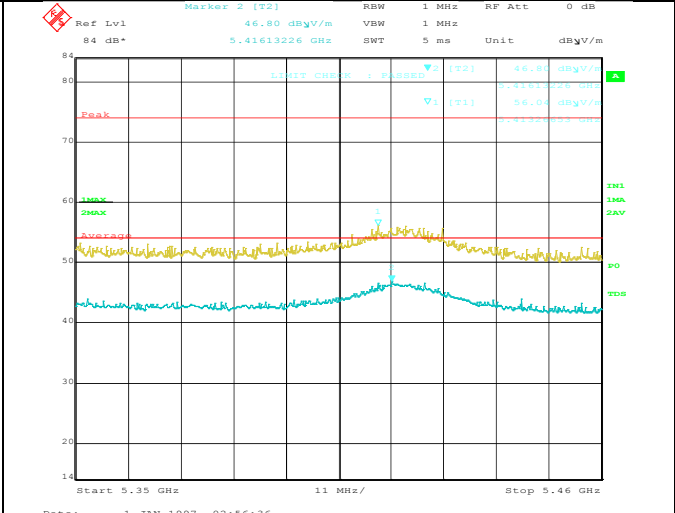
Restricted Band-5195MHz (80MHz) – Edge Freq 5150MHz



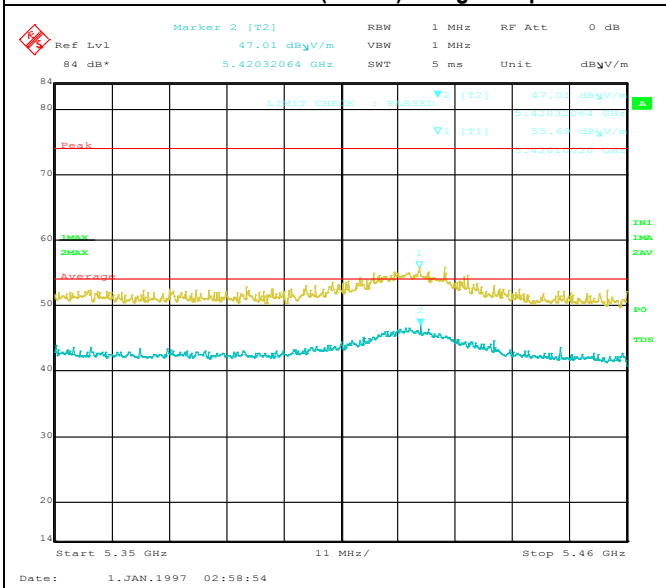
Restricted Band-5290MHz (80MHz) – Edge Freq 5350MHz



Restricted Band-5500MHz (20MHz) – Edge Freq 5460MHz



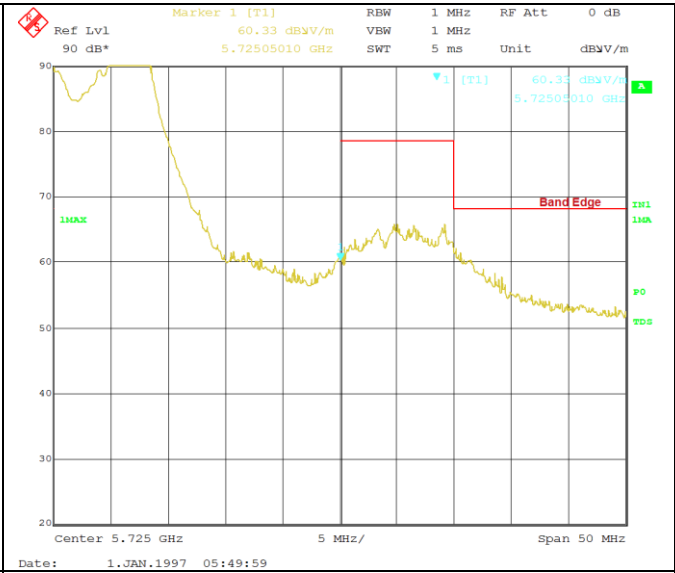
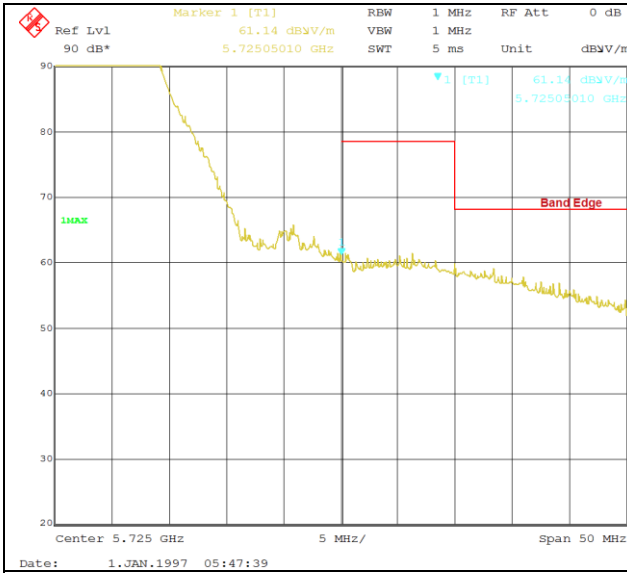
Restricted Band-5290MHz (80MHz) – Edge Freq 5350MHz



Restricted Band-5530MHz (80MHz) – Edge Freq 5460MHz

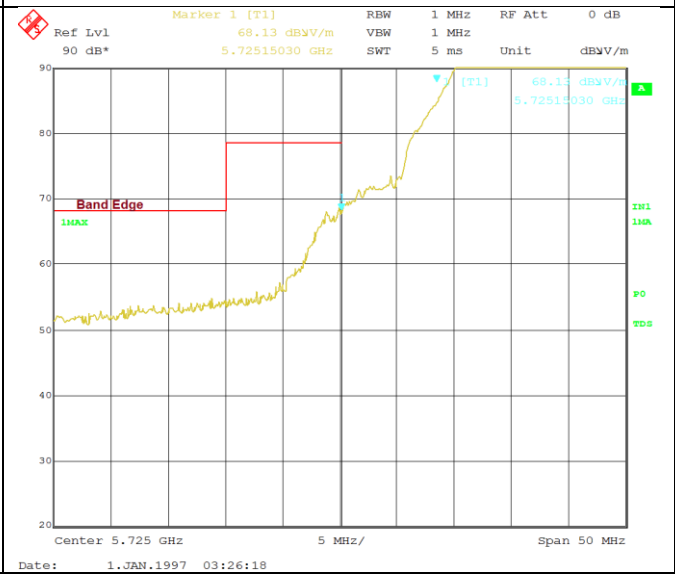
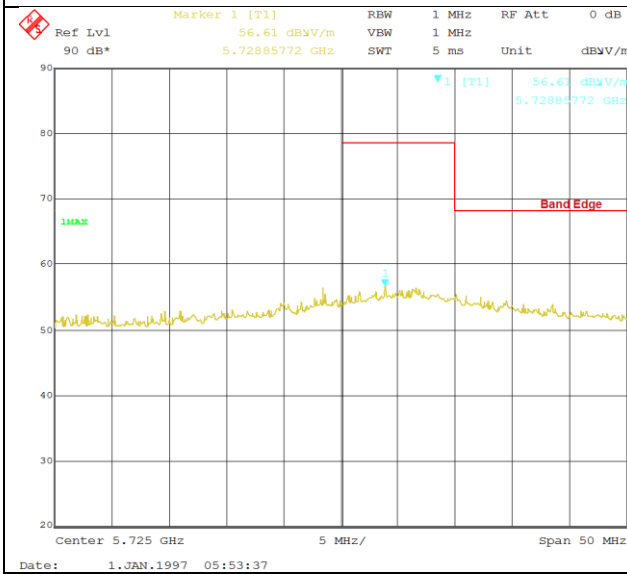
Note: Measurement distance was 10m, however the result was corrected to 3m distance.

Radiated Band Edge Measurement Plots:



Radiated Band Edge-5700MHz (20MHz)– Edge Freq 5725MHz

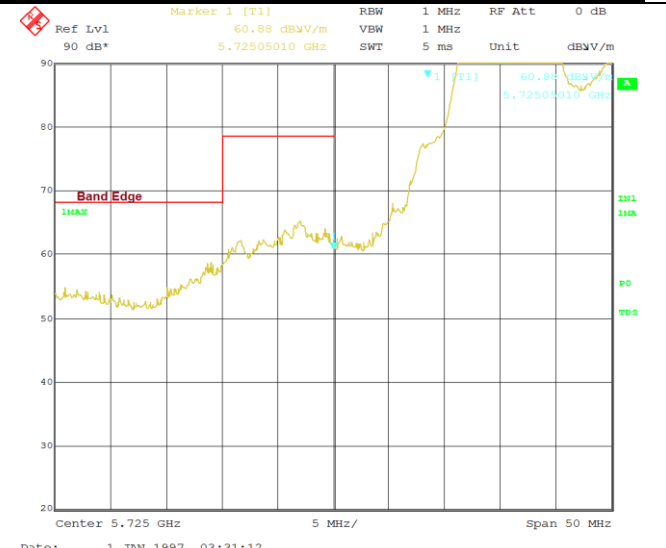
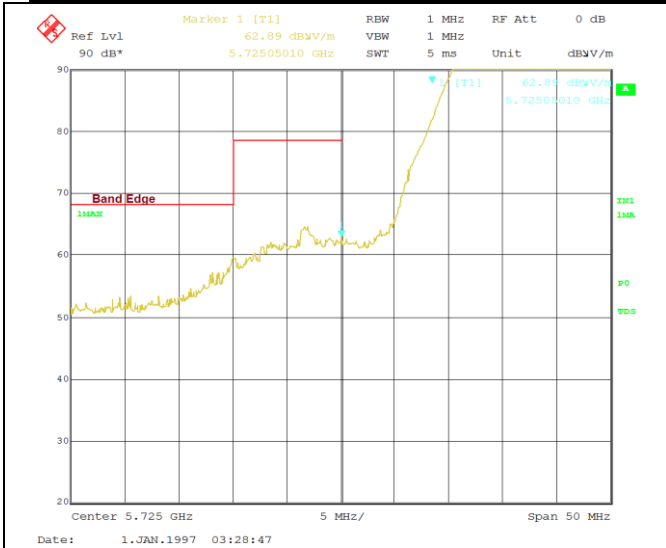
Radiated Band Edge-5690MHz (40MHz)– Edge Freq 5725MHz



Radiated Band Edge-5560MHz (80MHz)– Edge Freq 5725MHz

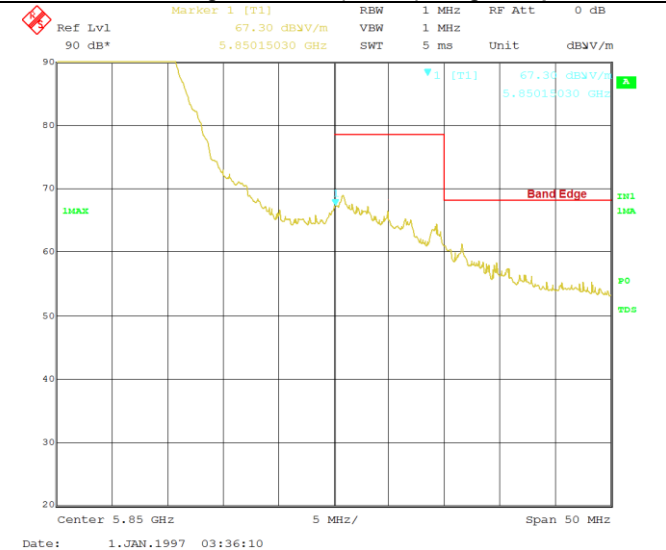
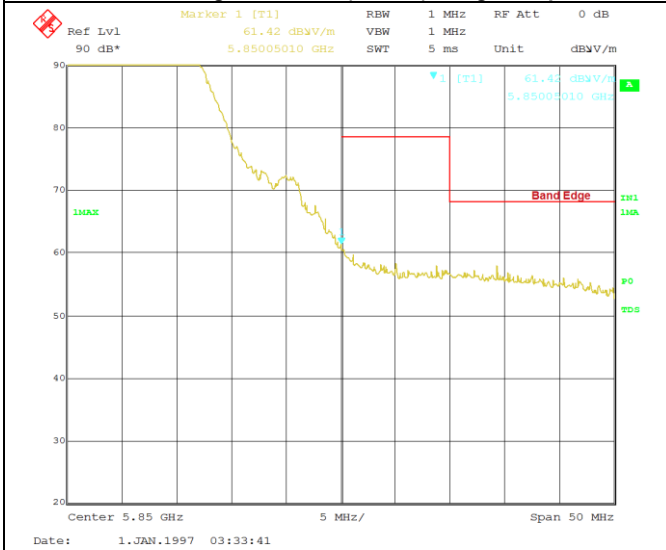
Radiated Band Edge-5745MHz (20MHz)– Edge Freq 5725MHz

Note: Measurement distance was 10m, however the result was corrected to 3m distance.



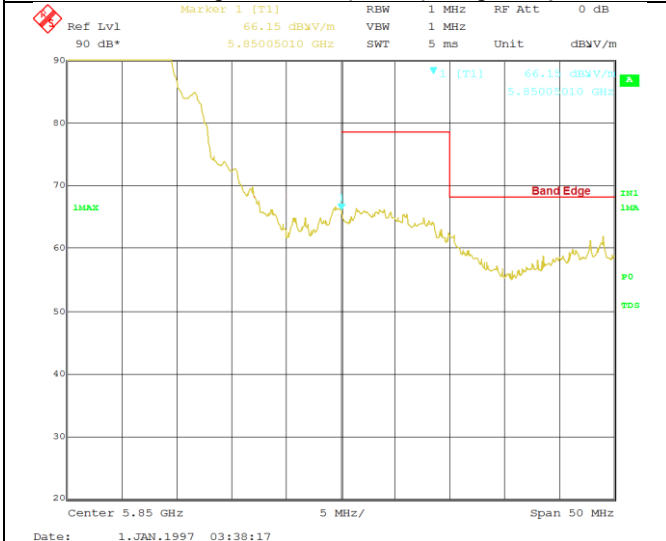
Radiated Band Edge-5755MHz (40MHz)– Edge Freq 5725MHz

Radiated Band Edge-5775MHz (80MHz)– Edge Freq 5725MHz



Radiated Band Edge-5825MHz (20MHz)– Edge Freq 5850MHz

Radiated Band Edge-5815MHz (40MHz)– Edge Freq 5850MHz



Radiated Band Edge-5795MHz (80MHz)– Edge Freq 5850MHz

Note: Measurement distance was 10m, however the result was corrected to 3m distance.

Radiated Emission Test Results (Above 1GHz)

Transmitting at 5170MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
2059.29	43.26	3.56	11.29	58.11	Peak Max	V	138.00	207.00	74.00	-15.89	Pass
4135.43	40.32	5.95	11.63	57.90	Peak Max	V	189.00	252.00	74.00	-16.10	Pass
10339.69	41.46	10.98	8.62	61.06	Peak Max	V	126.00	347.00	74.00	-12.94	Pass
2059.29	29.90	3.56	11.29	44.75	Average Max	V	138.00	207.00	54.00	-9.25	Pass
4135.43	26.79	5.95	11.63	44.37	Average Max	V	189.00	252.00	54.00	-9.63	Pass
10339.69	28.47	10.98	8.62	48.08	Average Max	V	126.00	347.00	54.00	-5.92	Pass

Transmitting at 5175MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6177.90	44.83	7.42	10.64	62.90	Peak Max	H	229.00	201.00	74.00	-11.10	Pass
14591.64	42.67	13.26	8.17	64.10	Peak Max	V	120.00	284.00	74.00	-9.90	Pass
10348.99	42.24	10.98	8.61	61.83	Peak Max	V	256.00	226.00	74.00	-12.17	Pass
6177.90	31.51	7.42	10.64	49.57	Average Max	H	229.00	201.00	54.00	-4.43	Pass
14591.64	29.32	13.26	8.17	50.76	Average Max	V	120.00	284.00	54.00	-3.24	Pass
10348.99	28.39	10.98	8.61	47.98	Average Max	V	256.00	226.00	54.00	-6.02	Pass

Transmitting at 5195MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
14559.12	42.76	13.21	8.26	64.22	Peak Max	V	263.00	317.00	74.00	-9.78	Pass
6349.63	44.76	7.93	10.24	62.93	Peak Max	H	182.00	89.00	74.00	-11.07	Pass
10388.93	41.98	10.96	8.59	61.53	Peak Max	V	116.00	353.00	74.00	-12.47	Pass
14559.12	29.42	13.21	8.26	50.88	Average Max	V	263.00	317.00	54.00	-3.12	Pass
6349.63	31.59	7.93	10.24	49.76	Average Max	H	182.00	89.00	54.00	-4.24	Pass
10388.93	28.62	10.96	8.59	48.17	Average Max	V	116.00	353.00	54.00	-5.83	Pass

Transmitting at 5200MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6926.98	44.15	8.27	8.15	60.58	Peak Max	H	100.00	181.00	74.00	-13.42	Pass
4814.07	45.13	6.24	9.71	61.08	Peak Max	H	106.00	7.00	74.00	-12.92	Pass
10404.31	44.91	10.96	8.58	64.44	Peak Max	H	123.00	6.00	74.00	-9.56	Pass
6926.98	30.98	8.27	8.15	47.40	Average Max	H	100.00	181.00	54.00	-6.60	Pass
4814.07	32.02	6.24	9.71	47.97	Average Max	H	106.00	7.00	54.00	-6.03	Pass
10404.31	30.97	10.96	8.58	50.51	Average Max	H	123.00	6.00	54.00	-3.49	Pass

Transmitting at 5200MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
10398.50	43.40	10.96	8.58	62.94	Peak Max	V	101.00	0.00	74.00	-11.06	Pass
4815.72	43.49	6.24	9.71	59.44	Peak Max	H	103.00	356.00	74.00	-14.56	Pass
6928.17	44.02	8.27	8.15	60.43	Peak Max	H	123.00	91.00	74.00	-13.57	Pass
10398.50	29.94	10.96	8.58	49.48	Average Max	V	101.00	0.00	54.00	-4.52	Pass
4815.72	29.74	6.24	9.71	45.69	Average Max	H	103.00	356.00	54.00	-8.31	Pass
6928.17	30.96	8.27	8.15	47.37	Average Max	H	123.00	91.00	54.00	-6.63	Pass

Transmitting at 5200MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
4814.65	45.39	6.24	9.71	61.34	Peak Max	H	130.00	360.00	74.00	-12.66	Pass
6929.54	44.02	8.27	8.14	60.43	Peak Max	V	129.00	311.00	74.00	-13.57	Pass
10401.86	42.87	10.96	8.58	62.41	Peak Max	H	125.00	352.00	74.00	-11.59	Pass
4814.65	32.19	6.24	9.71	48.15	Average Max	H	130.00	360.00	54.00	-5.85	Pass
6929.54	30.98	8.27	8.14	47.39	Average Max	V	129.00	311.00	54.00	-6.61	Pass
10401.86	29.63	10.96	8.58	49.17	Average Max	H	125.00	352.00	54.00	-4.83	Pass

Transmitting at 5240MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
4816.61	43.76	6.24	9.71	59.71	Peak Max	H	117.00	12.00	74.00	-14.29	Pass
6211.59	45.13	7.53	10.56	63.22	Peak Max	V	160.00	355.00	74.00	-10.78	Pass
10479.98	44.24	10.93	8.53	63.70	Peak Max	V	146.00	36.00	74.00	-10.30	Pass
4816.61	30.83	6.24	9.71	46.78	Average Max	H	117.00	12.00	54.00	-7.22	Pass
6211.59	31.46	7.53	10.56	49.54	Average Max	V	160.00	355.00	54.00	-4.46	Pass
10479.98	30.66	10.93	8.53	50.12	Average Max	V	146.00	36.00	54.00	-3.88	Pass

Transmitting at 5230MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
5222.60	46.94	6.39	9.63	62.96	Peak Max	H	114.00	356.00	74.00	-11.04	Pass
10458.13	41.33	10.94	8.55	60.82	Peak Max	V	240.00	161.00	74.00	-13.18	Pass
4817.41	44.72	6.24	9.71	60.67	Peak Max	H	137.00	2.00	74.00	-13.33	Pass
5222.60	34.28	6.39	9.63	50.30	Average Max	H	114.00	356.00	54.00	-3.70	Pass
10458.13	27.98	10.94	8.55	47.46	Average Max	V	240.00	161.00	54.00	-6.54	Pass
4817.41	30.94	6.24	9.71	46.89	Average Max	H	137.00	2.00	54.00	-7.11	Pass

Transmitting at 5210MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6312.70	45.04	7.83	10.32	63.18	Peak Max	V	256.00	74.00	74.00	-10.82	Pass
14727.80	42.48	13.50	7.81	63.80	Peak Max	V	108.00	92.00	74.00	-10.20	Pass
10421.42	42.62	10.95	8.57	62.14	Peak Max	H	149.00	4.00	74.00	-11.86	Pass
6312.70	31.37	7.83	10.32	49.52	Average Max	V	256.00	74.00	54.00	-4.48	Pass
14727.80	29.21	13.50	7.81	50.52	Average Max	V	108.00	92.00	54.00	-3.48	Pass
10421.42	29.26	10.95	8.57	48.79	Average Max	H	149.00	4.00	54.00	-5.21	Pass

Transmitting at 5260MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
14628.17	42.82	13.33	8.08	64.22	Peak Max	V	129.00	1.00	74.00	-9.78	Pass
10519.07	41.21	10.94	8.51	60.67	Peak Max	V	136.00	5.00	74.00	-13.33	Pass
6151.76	44.54	7.34	10.70	62.58	Peak Max	V	203.00	254.00	74.00	-11.42	Pass
14628.17	29.35	13.33	8.08	50.75	Average Max	V	129.00	1.00	54.00	-3.25	Pass
10519.07	27.82	10.94	8.51	47.27	Average Max	V	136.00	5.00	54.00	-6.73	Pass
6151.76	31.38	7.34	10.70	49.43	Average Max	V	203.00	254.00	54.00	-4.57	Pass

Transmitting at 5270MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
2089.68	43.38	3.68	11.19	58.25	Peak Max	V	136.00	140.00	74.00	-15.75	Pass
6177.32	45.50	7.42	10.64	63.57	Peak Max	H	201.00	86.00	74.00	-10.43	Pass
10540.58	41.07	10.97	8.50	60.54	Peak Max	H	153.00	0.00	74.00	-13.46	Pass
2089.68	30.15	3.68	11.19	45.02	Average Max	V	136.00	140.00	54.00	-8.98	Pass
6177.32	31.60	7.42	10.64	49.66	Average Max	H	201.00	86.00	54.00	-4.34	Pass
10540.58	27.93	10.97	8.50	47.40	Average Max	H	153.00	0.00	54.00	-6.60	Pass

Transmitting at 5290MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
10579.95	41.99	11.01	8.48	61.48	Peak Max	V	219.00	331.00	74.00	-12.52	Pass
4099.19	40.21	5.92	11.79	57.91	Peak Max	V	159.00	218.00	74.00	-16.09	Pass
6281.52	44.61	7.73	10.39	62.74	Peak Max	H	212.00	207.00	74.00	-11.26	Pass
10579.95	27.68	11.01	8.48	47.17	Average Max	V	219.00	331.00	54.00	-6.83	Pass
4099.19	26.88	5.92	11.79	44.58	Average Max	V	159.00	218.00	54.00	-9.42	Pass
6281.52	31.08	7.73	10.39	49.20	Average Max	H	212.00	207.00	54.00	-4.80	Pass

Transmitting at 5295MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6178.46	44.28	7.43	10.64	62.34	Peak Max	H	291.00	266.00	74.00	-11.66	Pass
4031.88	39.68	5.86	12.09	57.63	Peak Max	V	216.00	310.00	74.00	-16.37	Pass
10588.94	40.79	11.02	8.47	60.28	Peak Max	H	168.00	158.00	74.00	-13.72	Pass
6178.46	31.44	7.43	10.64	49.51	Average Max	H	291.00	266.00	54.00	-4.49	Pass
4031.88	26.15	5.86	12.09	44.10	Average Max	V	216.00	310.00	54.00	-9.90	Pass
10588.94	27.68	11.02	8.47	47.17	Average Max	H	168.00	158.00	54.00	-6.83	Pass

Transmitting at 5290MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
10578.06	40.93	11.01	8.48	60.41	Peak Max	V	279.00	135.00	74.00	-13.59	Pass
6314.52	44.90	7.83	10.32	63.05	Peak Max	H	243.00	17.00	74.00	-10.95	Pass
14558.55	42.13	13.20	8.26	63.59	Peak Max	H	256.00	141.00	74.00	-10.41	Pass
10578.06	27.67	11.01	8.48	47.15	Average Max	V	279.00	135.00	54.00	-6.85	Pass
6314.52	31.49	7.83	10.32	49.64	Average Max	H	243.00	17.00	54.00	-4.36	Pass
14558.55	29.35	13.20	8.26	50.82	Average Max	H	256.00	141.00	54.00	-3.18	Pass

Transmitting at 5320MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6349.74	44.76	7.93	10.24	62.93	Peak Max	H	291.00	325.00	74.00	-11.07	Pass
12479.50	42.58	13.01	8.37	63.96	Peak Max	H	108.00	76.00	74.00	-10.04	Pass
10641.33	41.19	11.08	8.44	60.71	Peak Max	V	104.00	262.00	74.00	-13.29	Pass
6349.74	31.67	7.93	10.24	49.84	Average Max	H	291.00	325.00	54.00	-4.16	Pass
12479.50	28.69	13.01	8.37	50.06	Average Max	H	108.00	76.00	54.00	-3.94	Pass
10641.33	27.85	11.08	8.44	47.38	Average Max	V	104.00	262.00	54.00	-6.62	Pass

Transmitting at 5310MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
1987.74	43.51	3.32	11.38	58.21	Peak Max	V	284.00	347.00	74.00	-15.79	Pass
10619.76	41.19	11.06	8.46	60.70	Peak Max	V	202.00	189.00	74.00	-13.30	Pass
14628.77	42.69	13.33	8.07	64.10	Peak Max	V	144.00	96.00	74.00	-9.90	Pass
1987.74	29.85	3.32	11.38	44.55	Average Max	V	284.00	347.00	54.00	-9.45	Pass
10619.76	27.75	11.06	8.46	47.26	Average Max	V	202.00	189.00	54.00	-6.74	Pass
14628.77	29.35	13.33	8.07	50.76	Average Max	V	144.00	96.00	54.00	-3.24	Pass

Transmitting at 5500MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
1986.70	43.11	3.32	11.37	57.80	Peak Max	H	197.00	168.00	74.00	-16.20	Pass
4064.91	39.59	5.89	11.94	57.42	Peak Max	V	247.00	272.00	74.00	-16.58	Pass
10999.19	40.84	11.48	8.25	60.57	Peak Max	V	186.00	153.00	74.00	-13.43	Pass
1986.70	29.87	3.32	11.37	44.56	Average Max	H	197.00	168.00	54.00	-9.44	Pass
4064.91	26.40	5.89	11.94	44.23	Average Max	V	247.00	272.00	54.00	-9.77	Pass
10999.19	27.70	11.48	8.25	47.42	Average Max	V	186.00	153.00	54.00	-6.58	Pass

Transmitting at 5510MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11018.38	41.11	11.51	8.24	60.85	Peak Max	H	173.00	189.00	74.00	-13.15	Pass
6452.85	45.38	8.23	10.00	63.61	Peak Max	H	178.00	273.00	74.00	-10.39	Pass
4101.88	40.61	5.92	11.78	58.31	Peak Max	H	112.00	34.00	74.00	-15.69	Pass
11018.38	27.81	11.51	8.24	47.55	Average Max	H	173.00	189.00	54.00	-6.45	Pass
6452.85	31.72	8.23	10.00	49.96	Average Max	H	178.00	273.00	54.00	-4.04	Pass
4101.88	27.12	5.92	11.78	44.81	Average Max	H	112.00	34.00	54.00	-9.19	Pass

Transmitting at 5530MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11060.95	41.64	11.56	8.21	61.42	Peak Max	V	192.00	229.00	74.00	-12.58	Pass
4031.38	40.85	5.86	12.09	58.80	Peak Max	H	183.00	293.00	74.00	-15.20	Pass
6176.53	44.56	7.42	10.64	62.62	Peak Max	V	182.00	349.00	74.00	-11.38	Pass
11060.95	28.21	11.56	8.21	47.99	Average Max	V	192.00	229.00	54.00	-6.01	Pass
4031.38	27.05	5.86	12.09	45.00	Average Max	H	183.00	293.00	54.00	-9.00	Pass
6176.53	31.62	7.42	10.64	49.68	Average Max	V	182.00	349.00	54.00	-4.32	Pass

Transmitting at 5590MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
2022.29	42.74	3.42	11.41	57.56	Peak Max	H	281.00	143.00	74.00	-16.44	Pass
11178.22	42.18	11.73	8.15	62.06	Peak Max	H	184.00	0.00	74.00	-11.94	Pass
6313.39	45.44	7.83	10.32	63.59	Peak Max	V	234.00	24.00	74.00	-10.41	Pass
2022.29	29.76	3.42	11.41	44.58	Average Max	H	281.00	143.00	54.00	-9.42	Pass
11178.22	28.37	11.73	8.15	48.25	Average Max	H	184.00	0.00	54.00	-5.75	Pass
6313.39	31.57	7.83	10.32	49.71	Average Max	V	234.00	24.00	54.00	-4.29	Pass

Transmitting at 5555MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
4101.45	40.47	5.92	11.78	58.17	Peak Max	V	202.00	33.00	74.00	-15.83	Pass
11111.20	41.64	11.63	8.19	61.47	Peak Max	H	140.00	122.00	74.00	-12.53	Pass
6213.17	45.00	7.53	10.55	63.08	Peak Max	V	287.00	146.00	74.00	-10.92	Pass
4101.45	27.13	5.92	11.78	44.83	Average Max	V	202.00	33.00	54.00	-9.17	Pass
11111.20	28.55	11.63	8.19	48.37	Average Max	H	140.00	122.00	54.00	-5.63	Pass
6213.17	31.60	7.53	10.55	49.68	Average Max	V	287.00	146.00	54.00	-4.32	Pass

Transmitting at 5545MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11088.93	41.51	11.60	8.20	61.31	Peak Max	H	106.00	95.00	74.00	-12.69	Pass
6657.26	44.57	8.33	9.24	62.14	Peak Max	V	289.00	317.00	74.00	-11.86	Pass
17626.44	40.24	13.00	10.53	63.76	Peak Max	H	113.00	48.00	74.00	-10.24	Pass
11088.93	28.28	11.60	8.20	48.09	Average Max	H	106.00	95.00	54.00	-5.91	Pass
6657.26	31.48	8.33	9.24	49.05	Average Max	V	289.00	317.00	54.00	-4.95	Pass
17626.44	26.73	13.00	10.53	50.26	Average Max	H	113.00	48.00	54.00	-3.74	Pass

Transmitting at 5700MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11401.96	41.16	12.03	8.04	61.23	Peak Max	H	105.00	175.00	74.00	-12.77	Pass
3998.18	40.51	5.83	12.22	58.56	Peak Max	H	99.00	117.00	74.00	-15.44	Pass
1945.34	42.77	3.27	11.05	57.09	Peak Max	H	138.00	279.00	74.00	-16.91	Pass
11401.96	27.97	12.03	8.04	48.04	Average Max	H	105.00	175.00	54.00	-5.96	Pass
3998.18	27.20	5.83	12.22	45.25	Average Max	H	99.00	117.00	54.00	-8.75	Pass
1945.34	29.91	3.27	11.05	44.23	Average Max	H	138.00	279.00	54.00	-9.77	Pass

Transmitting at 5690MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6214.22	44.58	7.53	10.55	62.67	Peak Max	V	100.00	21.00	74.00	-11.33	Pass
2090.46	43.78	3.68	11.19	58.65	Peak Max	V	290.00	22.00	74.00	-15.35	Pass
11379.28	40.88	12.00	8.05	60.94	Peak Max	H	300.00	351.00	74.00	-13.06	Pass
6214.22	31.63	7.53	10.55	49.72	Average Max	V	100.00	21.00	54.00	-4.28	Pass
2090.46	30.16	3.68	11.19	45.03	Average Max	V	290.00	22.00	54.00	-8.97	Pass
11379.28	27.71	12.00	8.05	47.76	Average Max	H	300.00	351.00	54.00	-6.24	Pass

Transmitting at 5560MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
2023.43	42.61	3.42	11.40	57.44	Peak Max	H	167.00	4.00	74.00	-16.56	Pass
3997.06	40.25	5.83	12.22	58.29	Peak Max	H	117.00	256.00	74.00	-15.71	Pass
11118.94	42.30	11.64	8.18	62.13	Peak Max	H	164.00	316.00	74.00	-11.87	Pass
2023.43	29.62	3.42	11.40	44.44	Average Max	H	167.00	4.00	54.00	-9.56	Pass
3997.06	26.75	5.83	12.22	44.80	Average Max	H	117.00	256.00	54.00	-9.20	Pass
11118.94	28.53	11.64	8.18	48.36	Average Max	H	164.00	316.00	54.00	-5.64	Pass

Transmitting at 5745MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
1953.64	43.02	3.28	11.11	57.41	Peak Max	V	272.00	291.00	74.00	-16.59	Pass
11489.84	41.31	12.15	8.00	61.46	Peak Max	V	214.00	65.00	74.00	-12.54	Pass
6211.60	44.86	7.53	10.56	62.94	Peak Max	H	172.00	301.00	74.00	-11.06	Pass
1953.64	29.60	3.28	11.11	43.99	Average Max	V	272.00	291.00	54.00	-10.01	Pass
11489.84	28.04	12.15	8.00	48.18	Average Max	V	214.00	65.00	54.00	-5.82	Pass
6211.60	31.52	7.53	10.56	49.61	Average Max	H	172.00	301.00	54.00	-4.39	Pass

Transmitting at 5755MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11510.66	41.85	12.16	8.01	62.02	Peak Max	V	248.00	119.00	74.00	-11.98	Pass
2023.64	42.86	3.42	11.40	57.69	Peak Max	V	212.00	36.00	74.00	-16.31	Pass
6212.18	44.72	7.53	10.56	62.80	Peak Max	V	139.00	210.00	74.00	-11.20	Pass
11510.66	28.18	12.16	8.01	48.35	Average Max	V	248.00	119.00	54.00	-5.65	Pass
2023.64	29.60	3.42	11.40	44.43	Average Max	V	212.00	36.00	54.00	-9.57	Pass
6212.18	31.50	7.53	10.56	49.58	Average Max	V	139.00	210.00	54.00	-4.42	Pass

Transmitting at 5775MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11550.17	41.44	12.17	8.05	61.66	Peak Max	V	236.00	293.00	74.00	-12.34	Pass
4265.21	39.58	6.05	11.08	56.72	Peak Max	H	278.00	266.00	74.00	-17.28	Pass
14591.39	42.79	13.26	8.17	64.23	Peak Max	V	143.00	191.00	74.00	-9.77	Pass
11550.17	28.21	12.17	8.05	48.43	Average Max	V	236.00	293.00	54.00	-5.57	Pass
4265.21	26.51	6.05	11.08	43.65	Average Max	H	278.00	266.00	54.00	-10.35	Pass
14591.39	29.39	13.26	8.17	50.83	Average Max	V	143.00	191.00	54.00	-3.17	Pass

Transmitting at 5785MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6075.12	45.02	7.11	10.89	63.02	Peak Max	V	136.00	1.00	74.00	-10.98	Pass
11571.26	42.23	12.17	8.08	62.48	Peak Max	H	149.00	226.00	74.00	-11.52	Pass
2022.29	42.61	3.42	11.41	57.44	Peak Max	V	276.00	338.00	74.00	-16.56	Pass
6075.12	31.43	7.11	10.89	49.42	Average Max	V	136.00	1.00	54.00	-4.58	Pass
11571.26	28.43	12.17	8.08	48.68	Average Max	H	149.00	226.00	54.00	-5.32	Pass
2022.29	29.55	3.42	11.41	44.38	Average Max	V	276.00	338.00	54.00	-9.62	Pass

Transmitting at 5785MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
4815.35	44.31	6.24	9.71	60.26	Peak Max	V	127.00	7.00	74.00	-13.74	Pass
6040.82	45.38	7.01	10.97	63.36	Peak Max	H	113.00	5.00	74.00	-10.64	Pass
11568.70	41.97	12.17	8.07	62.22	Peak Max	H	195.00	69.00	74.00	-11.78	Pass
4815.35	30.83	6.24	9.71	46.78	Average Max	V	127.00	7.00	54.00	-7.22	Pass
6040.82	32.06	7.01	10.97	50.04	Average Max	H	113.00	5.00	54.00	-3.96	Pass
11568.70	28.35	12.17	8.07	48.60	Average Max	H	195.00	69.00	54.00	-5.40	Pass

Transmitting at 5785MHz (80MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6040.49	45.51	7.01	10.97	63.49	Peak Max	V	125.00	5.00	74.00	-10.51	Pass
11569.15	41.44	12.17	8.07	61.68	Peak Max	V	158.00	261.00	74.00	-12.32	Pass
2090.84	43.52	3.68	11.19	58.39	Peak Max	H	285.00	41.00	74.00	-15.61	Pass
6040.49	32.39	7.01	10.97	50.36	Average Max	V	125.00	5.00	54.00	-3.64	Pass
11569.15	28.39	12.17	8.07	48.64	Average Max	V	158.00	261.00	54.00	-5.36	Pass
2090.84	30.07	3.68	11.19	44.94	Average Max	H	285.00	41.00	54.00	-9.06	Pass

Transmitting at 5825MHz (20MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
6108.47	44.09	7.21	10.80	62.10	Peak Max	H	138.00	6.00	74.00	-11.90	Pass
11651.16	41.57	12.18	8.17	61.91	Peak Max	H	275.00	90.00	74.00	-12.09	Pass
2091.39	43.78	3.68	11.19	58.65	Peak Max	H	219.00	312.00	74.00	-15.35	Pass
6108.47	31.08	7.21	10.80	49.10	Average Max	H	138.00	6.00	54.00	-4.90	Pass
11651.16	28.29	12.18	8.17	48.64	Average Max	H	275.00	90.00	54.00	-5.36	Pass
2091.39	30.15	3.68	11.19	45.02	Average Max	H	219.00	312.00	54.00	-8.98	Pass

Transmitting at 5815MHz (40MHz bandwidth)

Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
4031.88	40.18	5.86	12.09	58.12	Peak Max	H	240.00	277.00	74.00	-15.88	Pass
6247.11	45.15	7.63	10.47	63.26	Peak Max	H	218.00	239.00	74.00	-10.74	Pass
11631.30	41.70	12.17	8.15	62.02	Peak Max	H	200.00	163.00	74.00	-11.98	Pass
4031.88	26.76	5.86	12.09	44.70	Average Max	H	240.00	277.00	54.00	-9.30	Pass
6247.11	31.70	7.63	10.47	49.81	Average Max	H	218.00	239.00	54.00	-4.19	Pass
11631.30	28.27	12.17	8.15	48.59	Average Max	H	200.00	163.00	54.00	-5.41	Pass

















Transmitting at 5795MHz (80MHz bandwidth)








Frequency (MHz)	Raw (dBuV)	Cable Loss (dB)	AF (dB)	Level (dBuV/m)	Measurement Type	Pol (V/H)	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass /Fail
11589.52	41.44	12.17	8.10	61.71	Peak Max	H	105.00	0.00	74.00	-12.29	Pass
4064.21	40.08	5.89	11.94	57.91	Peak Max	V	234.00	344.00	74.00	-16.09	Pass
6452.06	44.84	8.23	10.00	63.07	Peak Max	H	176.00	36.00	74.00	-10.93	Pass
11589.52	28.43	12.17	8.10	48.70	Average Max	H	105.00	0.00	54.00	-5.30	Pass
4064.21	26.65	5.89	11.94	44.48	Average Max	V	234.00	344.00	54.00	-9.52	Pass
6452.06	31.61	8.23	10.00	49.84	Average Max	H	176.00	36.00	54.00	-4.16	Pass

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Conducted Emissions						
EMI Test Receiver (9 kHz – 30 MHz)	ESHS10	830223/0009	04/08/2014	1 Year	04/08/2015	<input checked="" type="checkbox"/>
Spectrum Analyzer	FSIQ7	825555/013	05/31/2014	1 Year	05/31/2015	<input checked="" type="checkbox"/>
V-LISN (150 kHz – 30 MHz)	NNLK 8129	8129-190	08/11/2014	1 Year	08/11/2015	<input checked="" type="checkbox"/>
LISN (9 kHz – 30 MHz)	MN2050B	1018	07/31/2014	1 Year	07/31/2015	<input checked="" type="checkbox"/>
Hygro Hermograph	ST-50	HE01-000092	05/25/2014	1 Year	05/25/2015	<input checked="" type="checkbox"/>
Radiated Emissions						
EMI Test Receiver	ESIB 40	100179	05/24/2014	1 Year	05/24/2015	<input checked="" type="checkbox"/>
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	08/12/2014	1 Year	08/12/2015	<input checked="" type="checkbox"/>
Horn Antenna (1-18GHz)	3115	10SL0059	08/11/2014	1 Year	08/11/2015	<input checked="" type="checkbox"/>
Horn Antenna (18-40 GHz)	AH-840	101013	08/11/2014	1 Year	08/11/2015	<input checked="" type="checkbox"/>
Pre-Amplifier	LPA-6-30	11140711	02/19/2015	1 Year	02/19/2016	<input checked="" type="checkbox"/>
Microwave Preamplifier (18-40 GHz)	PA-840	181251	02/19/2015	1 Year	02/19/2016	<input checked="" type="checkbox"/>
3 Meters SAC	3M	N/A	08/29/2014	1 Year	08/29/2015	<input type="checkbox"/>
10 Meters SAC	10M	N/A	09/05/2014	1 Year	09/05/2015	<input checked="" type="checkbox"/>
Hygro Hermograph	ST-50	HE01-000092	05/25/2014	1 Year	05/25/2015	<input checked="" type="checkbox"/>
RF Conducted Measurement						
Spectrum Analyzer	N9010A	MY50210206	08/13/2014	1 Year	08/13/2015	<input checked="" type="checkbox"/>
EMI Test Receiver	ESIB 40	100179	05/24/2014	1 Year	05/24/2015	<input checked="" type="checkbox"/>

Annex B. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)		Please see the documents for the detailed scope
ISO Guide 65 (A2LA)		Please see the documents for the detailed scope
TCB Designation		A1, A2, A3, A4, B1, B2, B3, B4, C
FCC DoC Accreditation		FCC Declaration of Conformity Accreditation
FCC Site Registration		3 meter site
FCC Site Registration		10 meter site
IC Site Registration		3 meter site
IC Site Registration		10 meter site
EU NB		Radio & Telecommunications Terminal Equipment: EN45001 – EN ISO/IEC 17025
		Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025
Singapore iDA CB(Certification Body)	 	Phase I, Phase II
Vietnam MIC CAB Accreditation		Please see the document for the detailed scope
Hong Kong OFCA		(Phase II) OFCA Foreign Certification Body for Radio and Telecom
		(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB		Radio: Scope A – All Radio Standard Specification in Category I
		Telecom: CS-03 Part I, II, V, VI, VII, VIII

Japan Recognized Certification Body Designation		<p>Radio: A1. Terminal equipment for purpose of calling</p> <p>Telecom: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law</p>
Korea CAB Accreditation		<p>EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI</p> <p>EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS</p>
		<p>Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68</p> <p>Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4</p>
Taiwan NCC CAB Recognition		LP0002, PSTN01, ADSL01, ID0002, IS6100, CNS14336, PLMN07, PLMN01, PLMN08
Taiwan BSMI CAB Recognition		CNS 13438
Japan VCCI		<p>R-3083: Radiation 3 meter site</p> <p>C-3421: Main Ports Conducted Interference Measurement</p> <p>T-1597: Telecommunication Ports Conducted Interference Measurement</p>
Australia CAB Recognition		<p>EMC: AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4</p>
		<p>Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771</p>
		<p>Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1</p>
Australia NATA Recognition		AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016, AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2