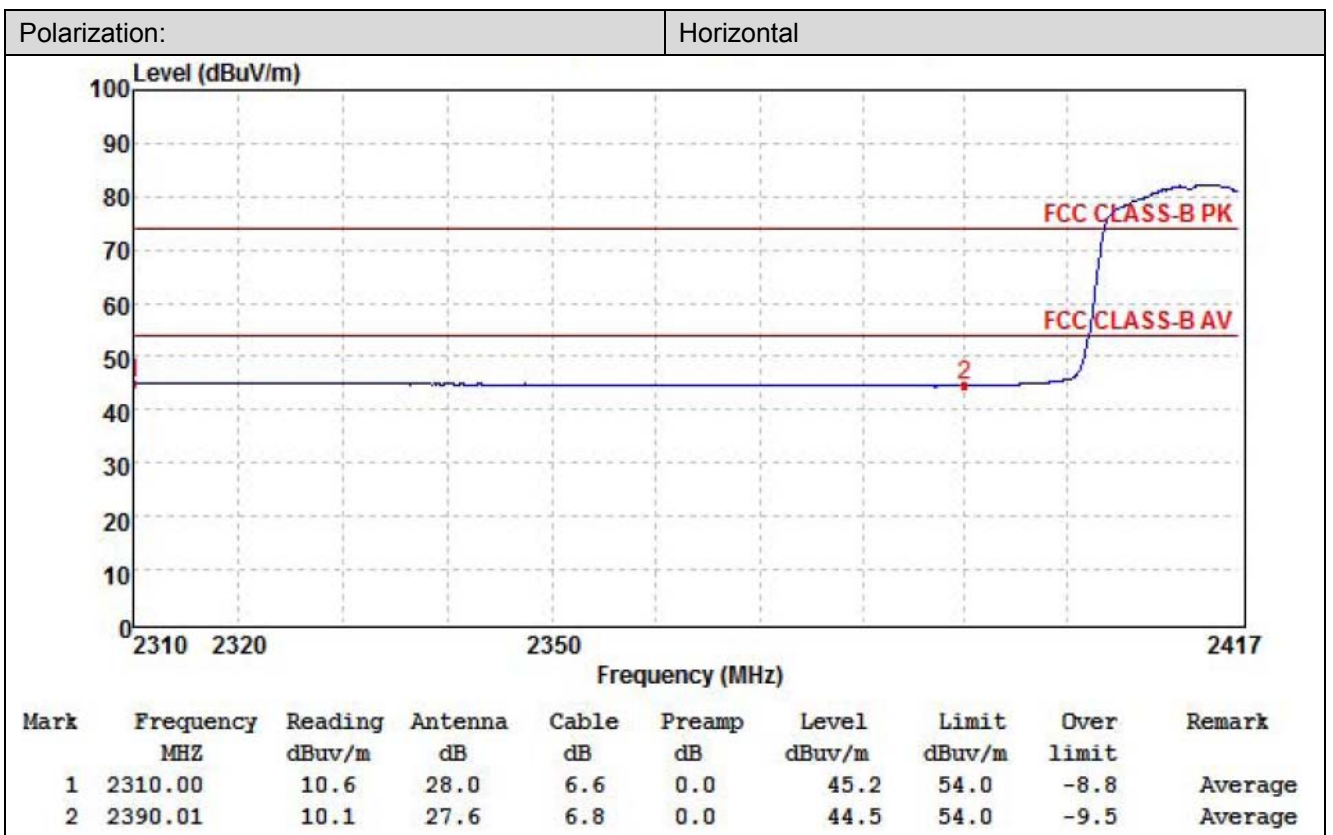
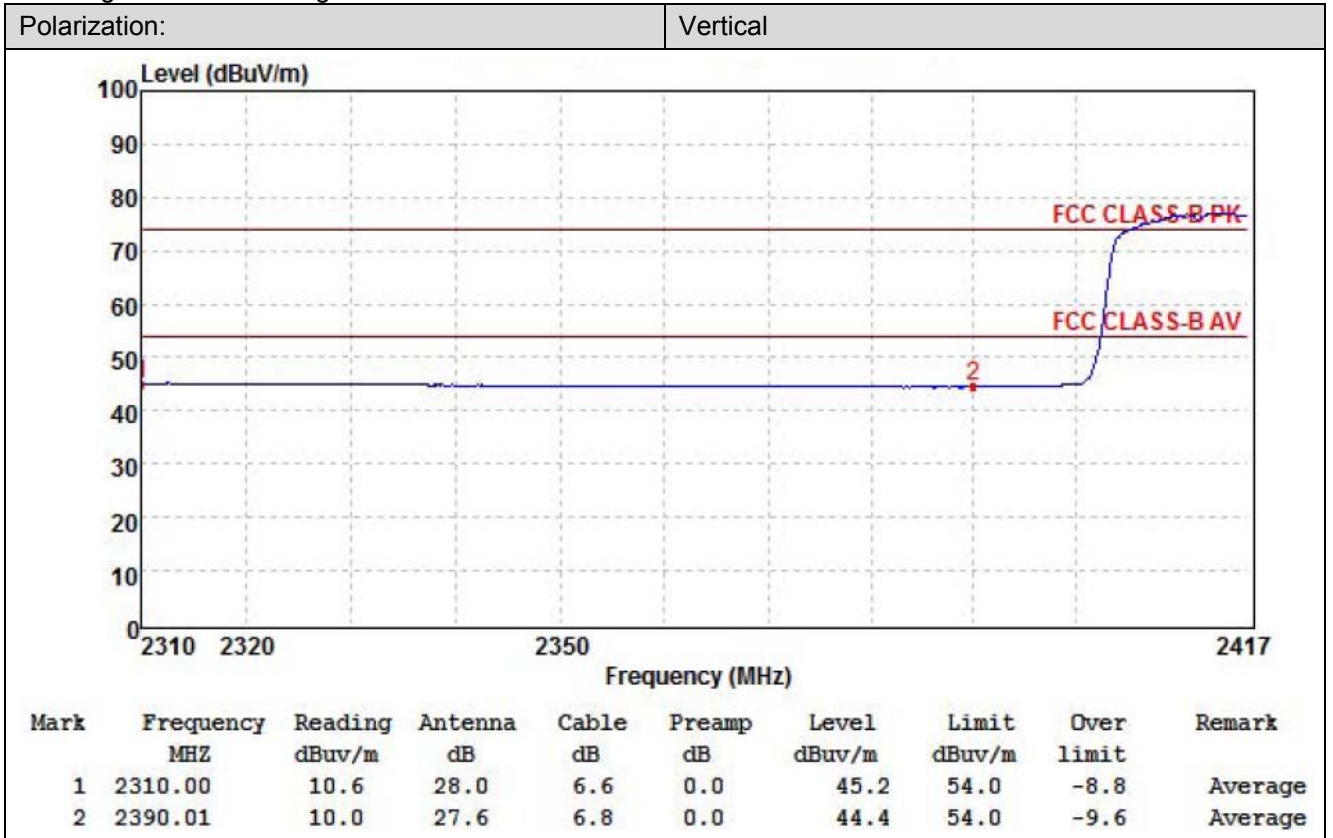
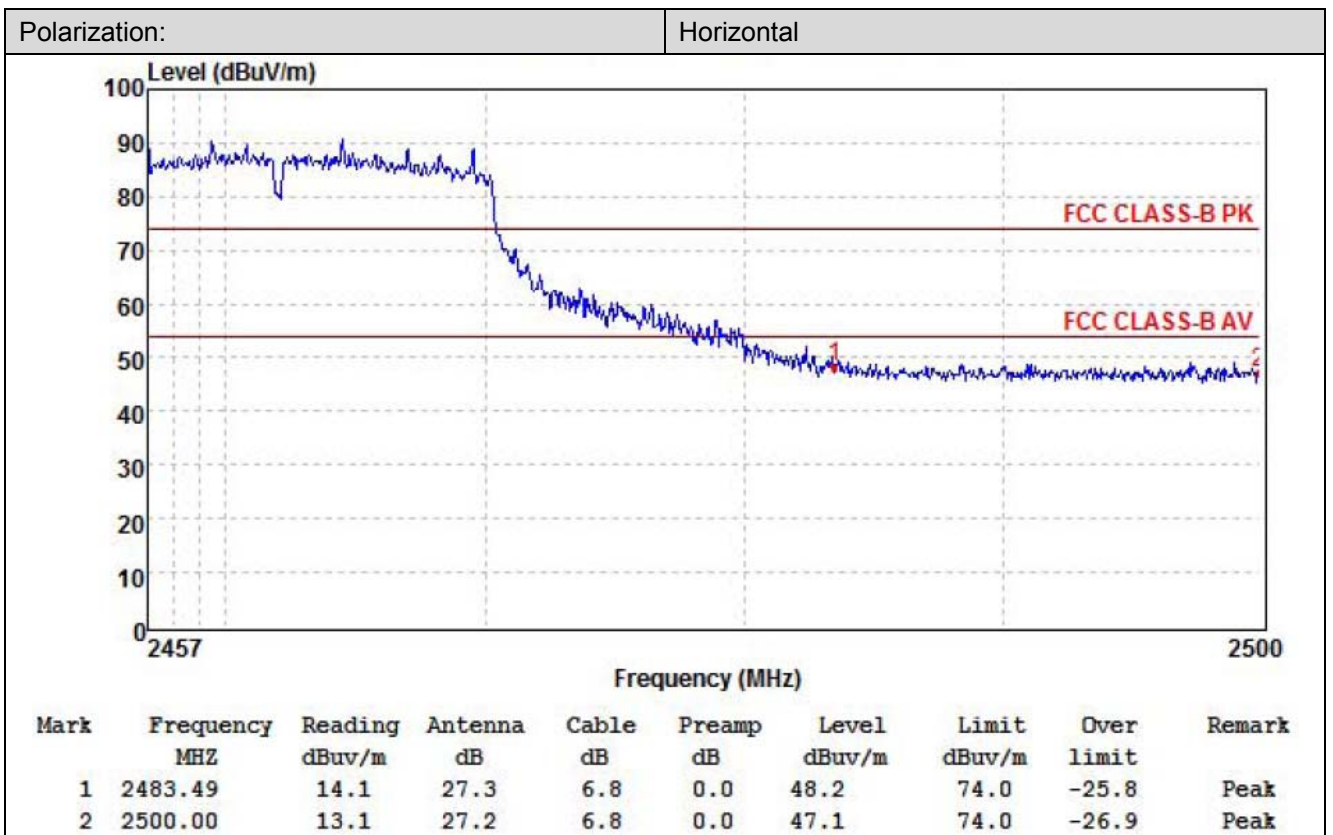
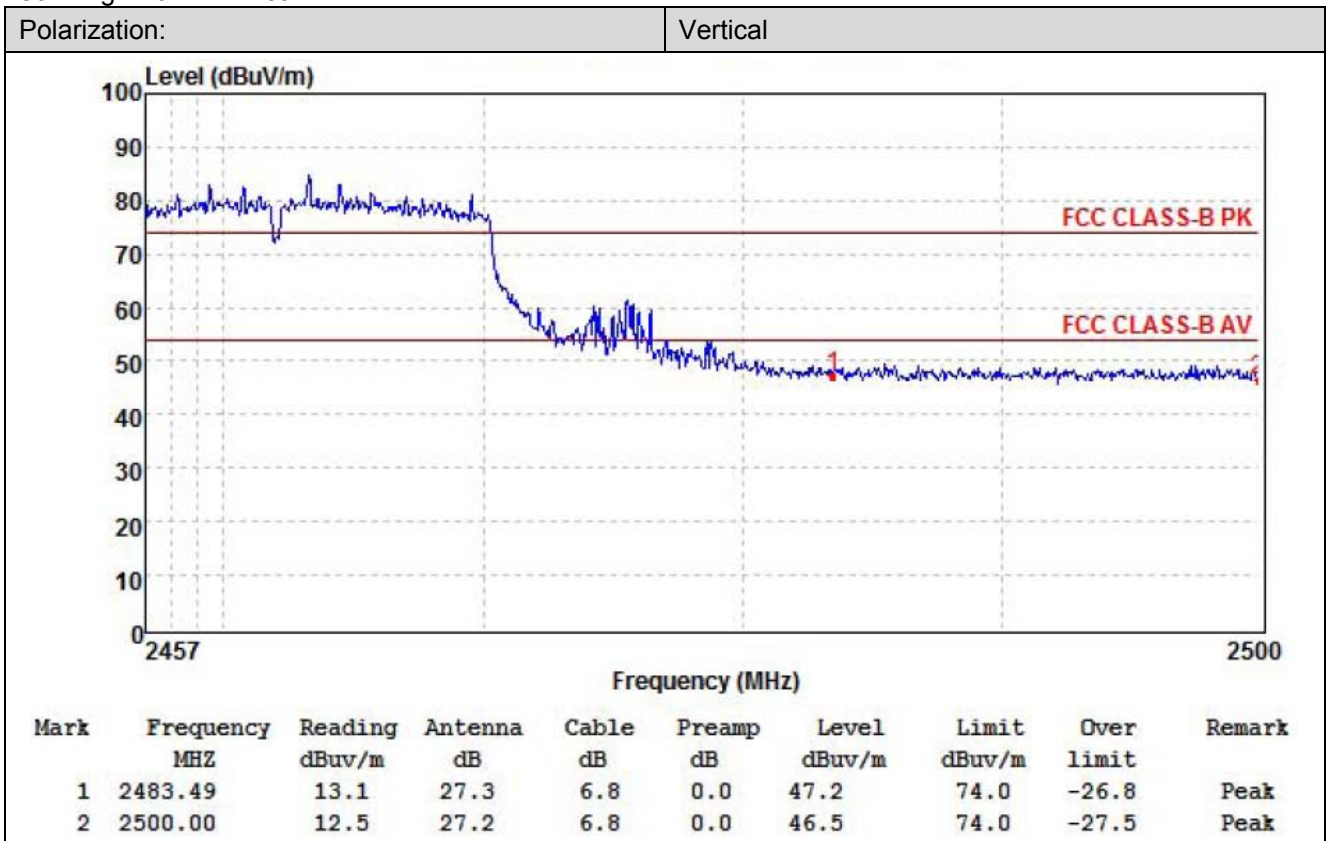


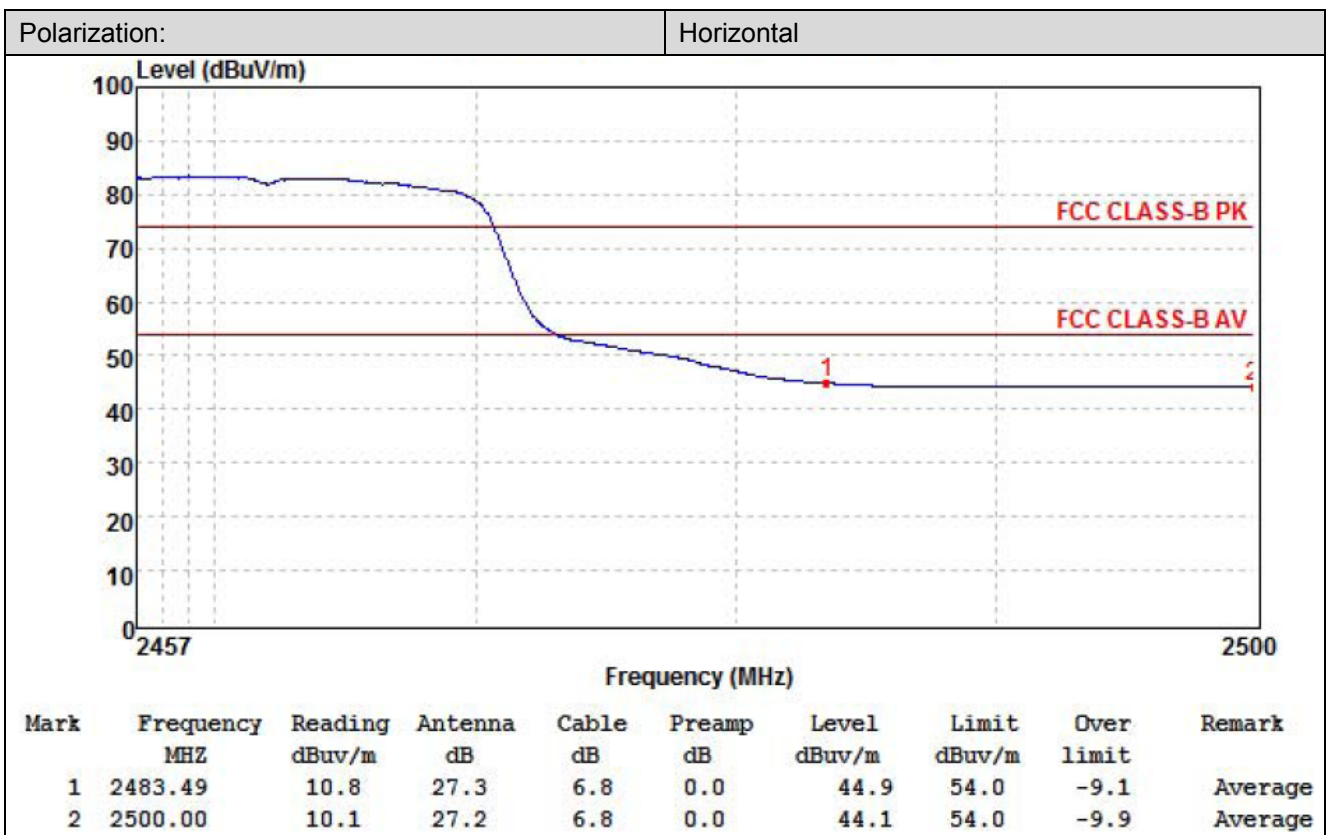
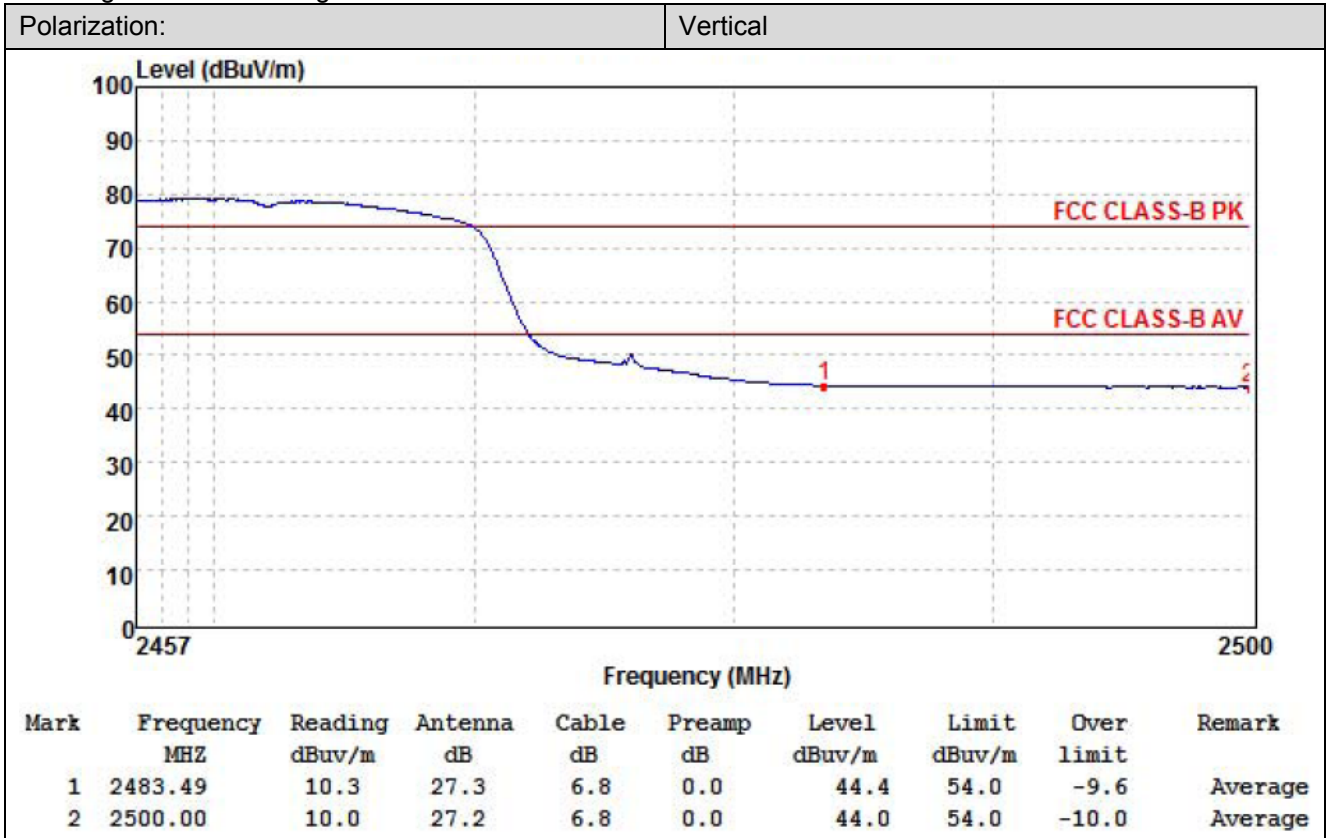
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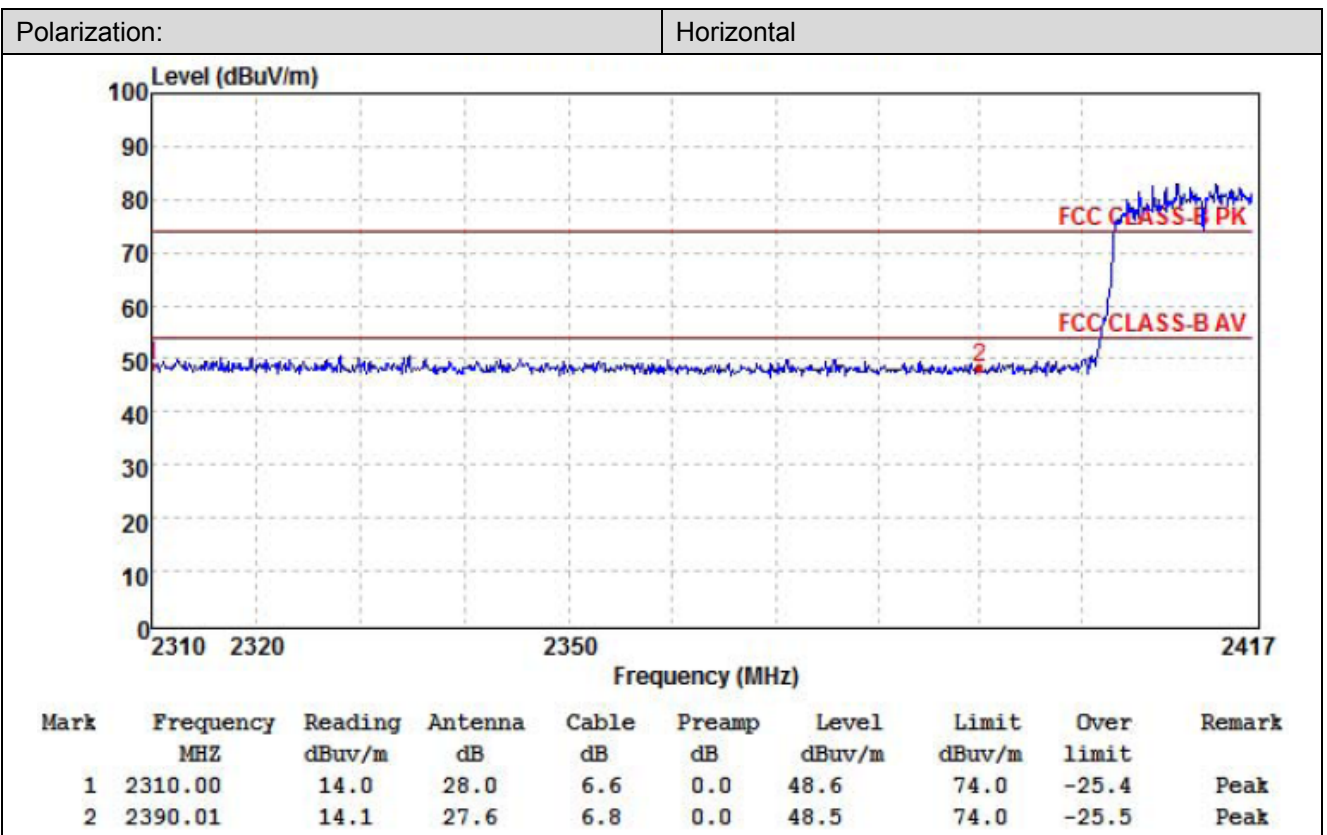
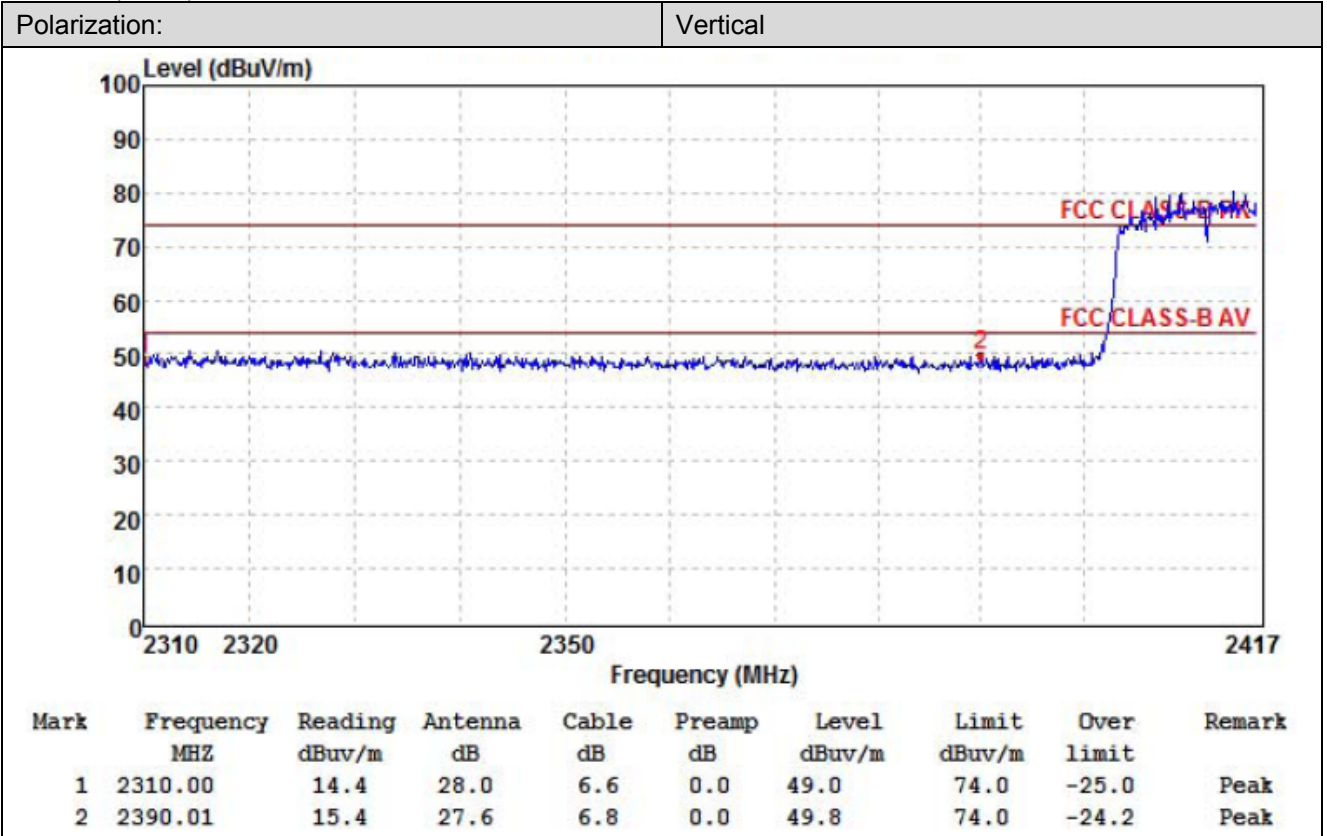
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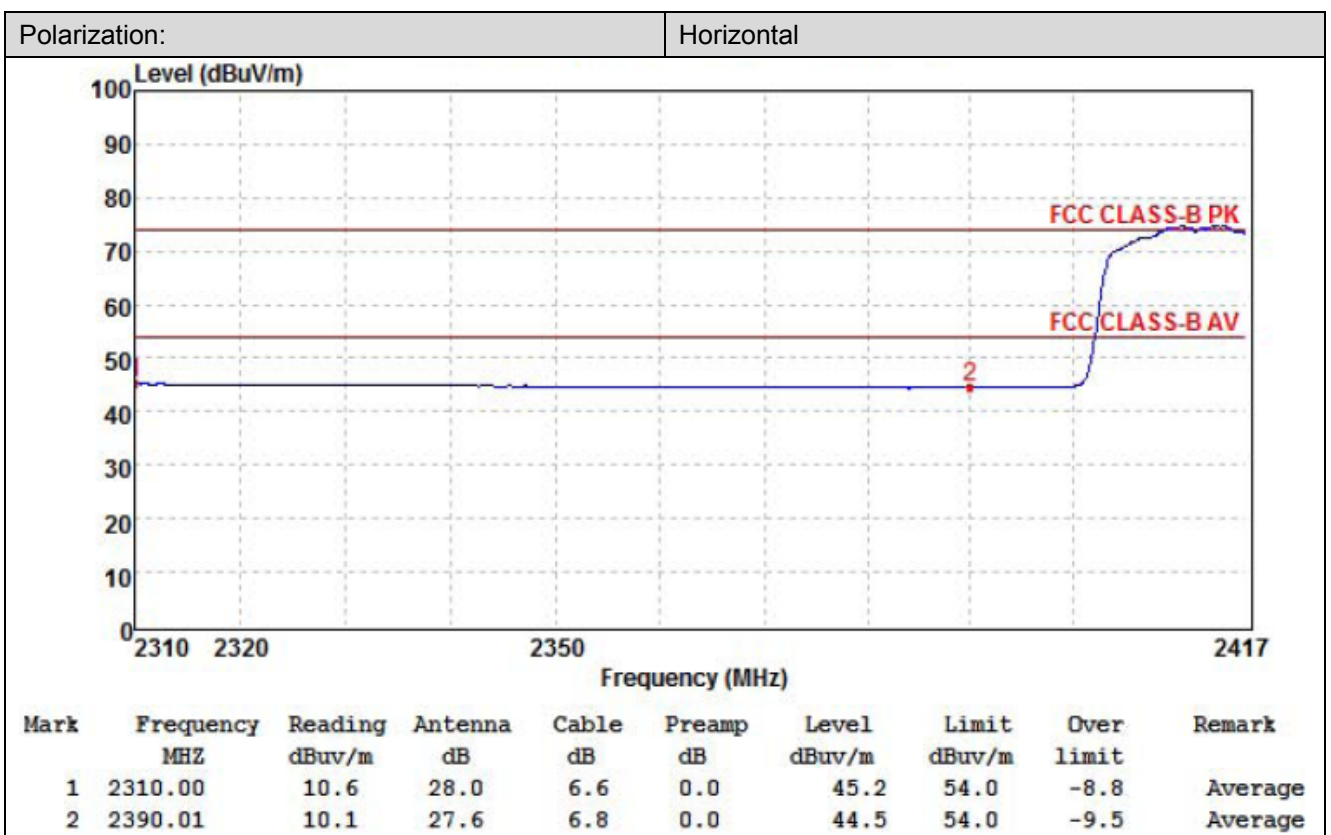
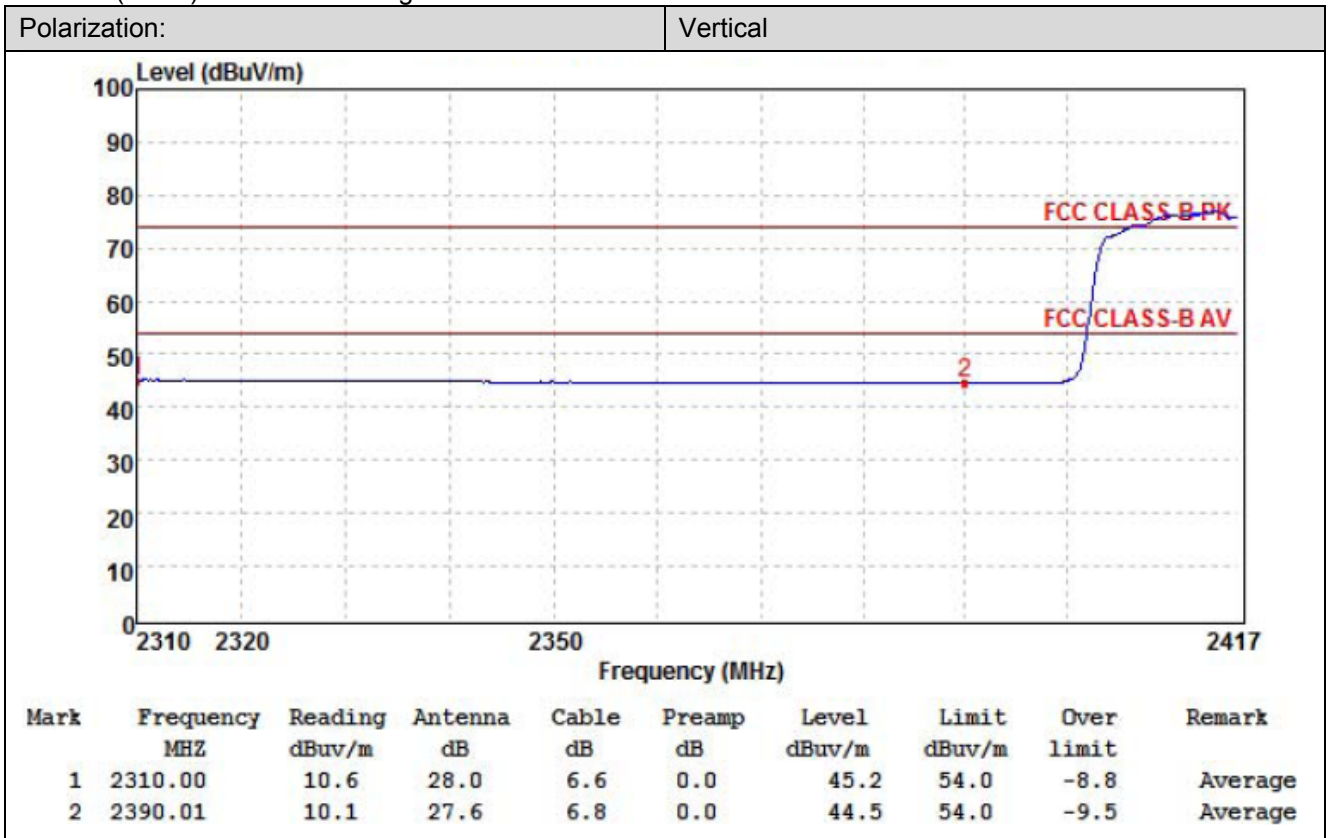
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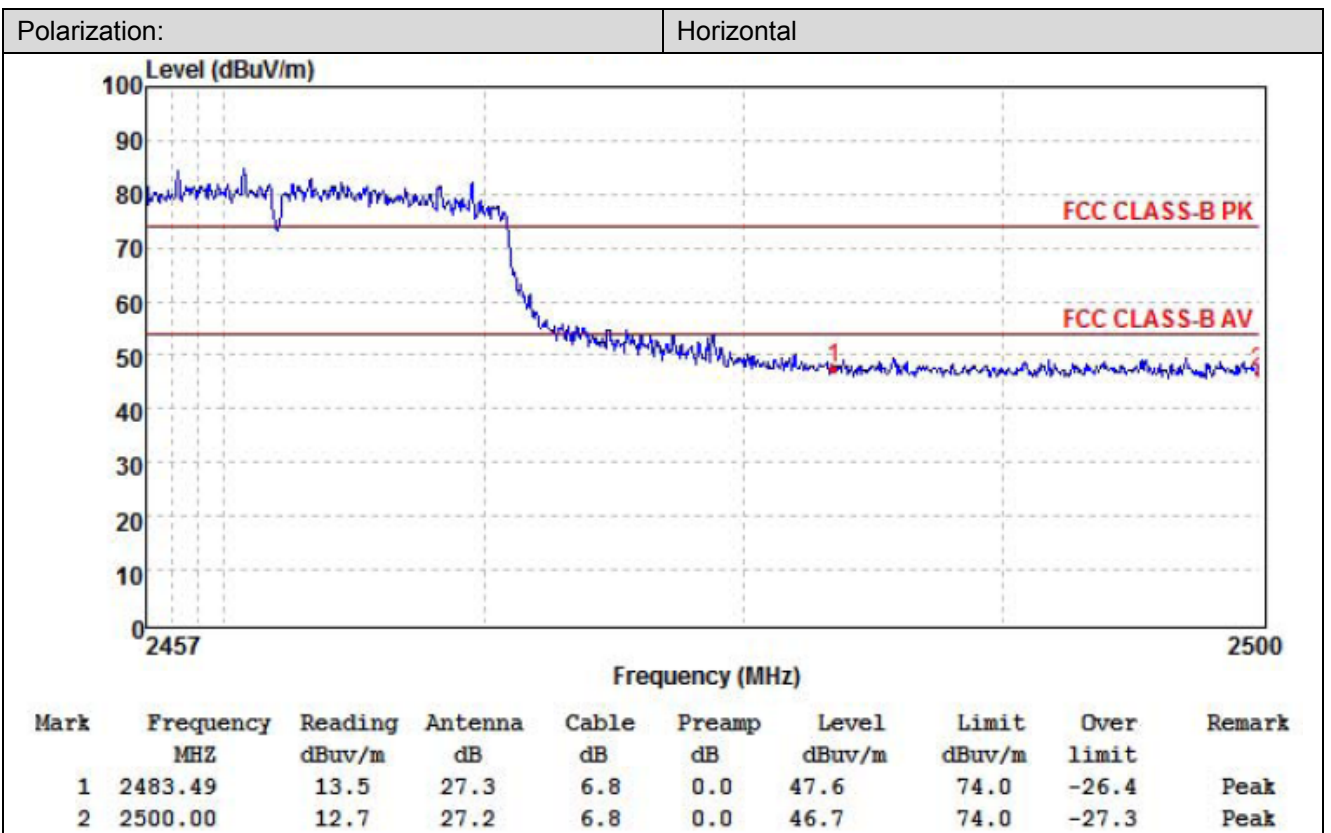
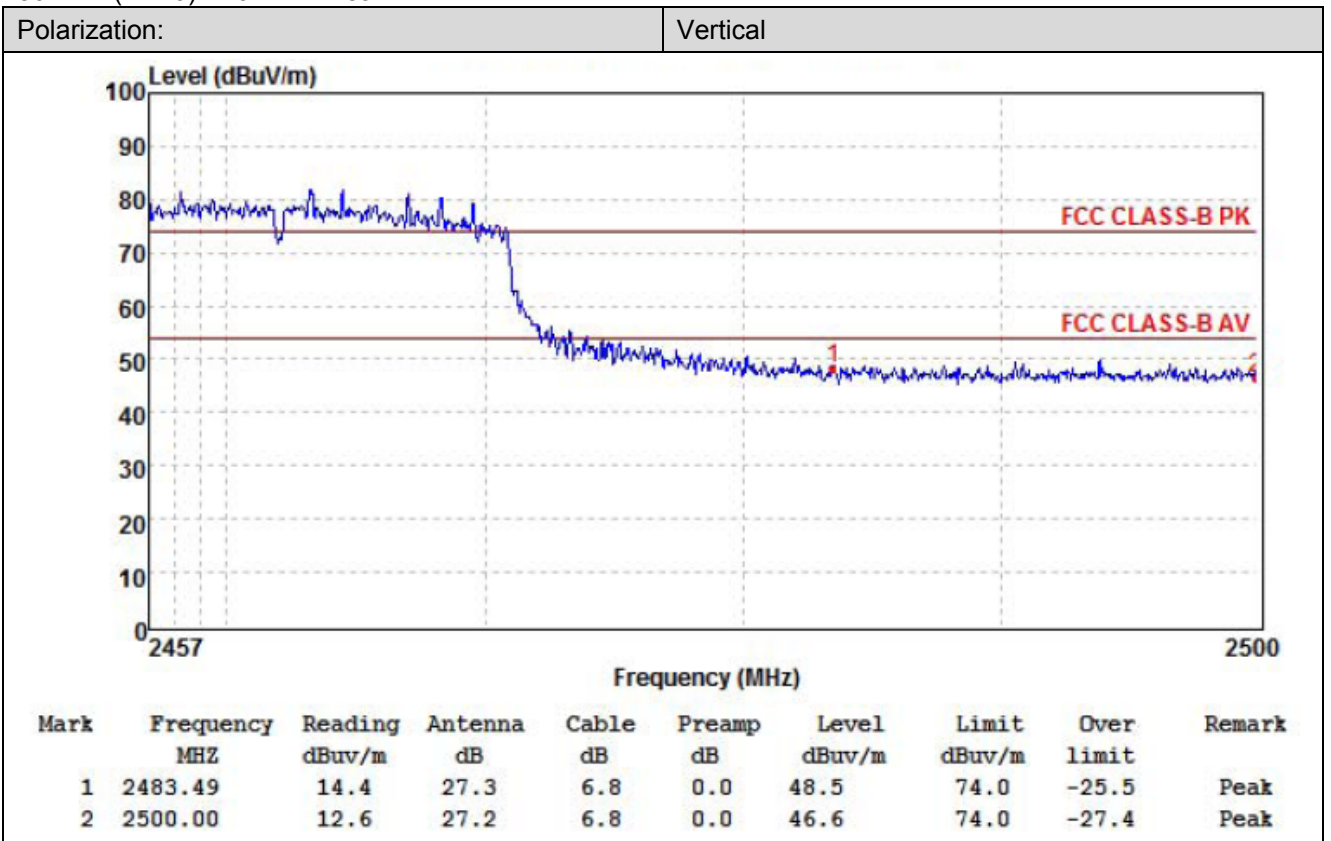
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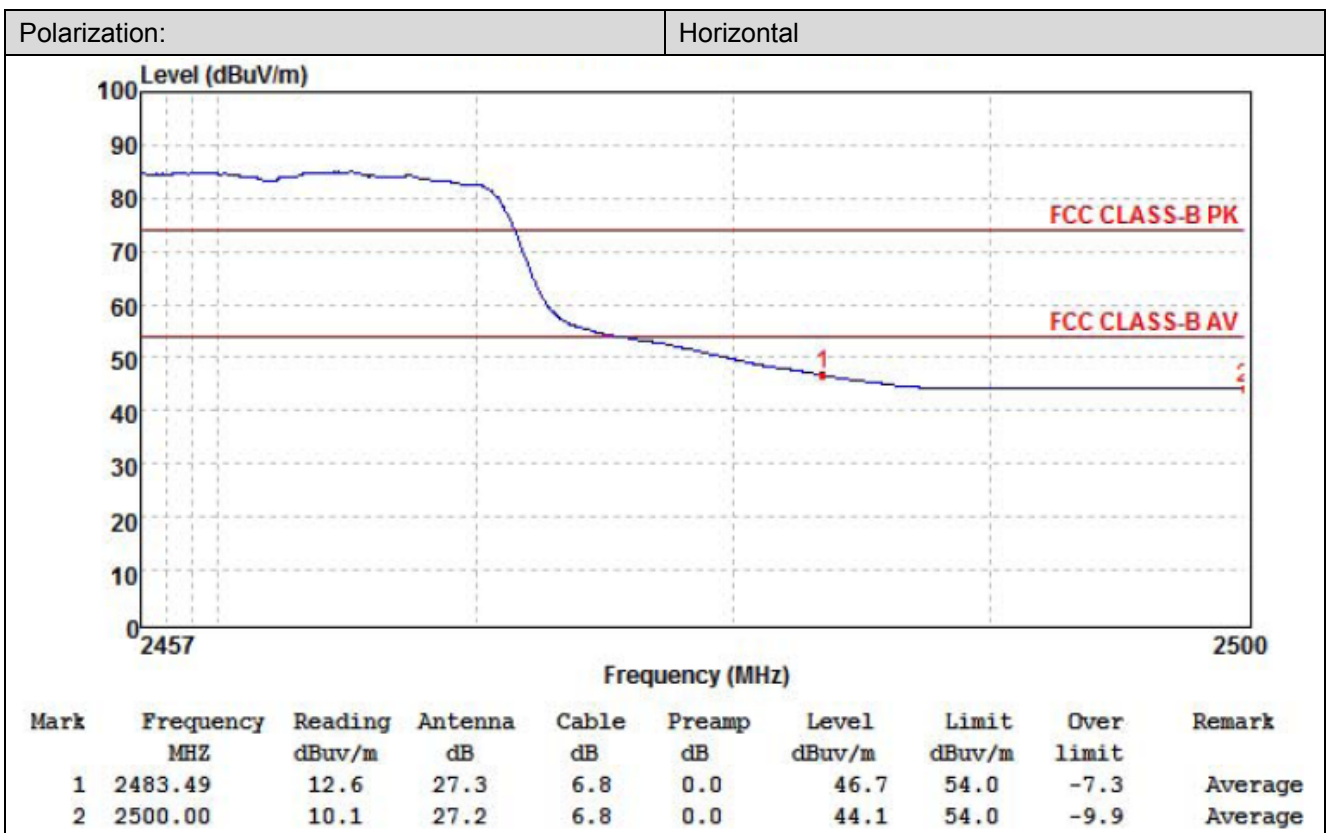
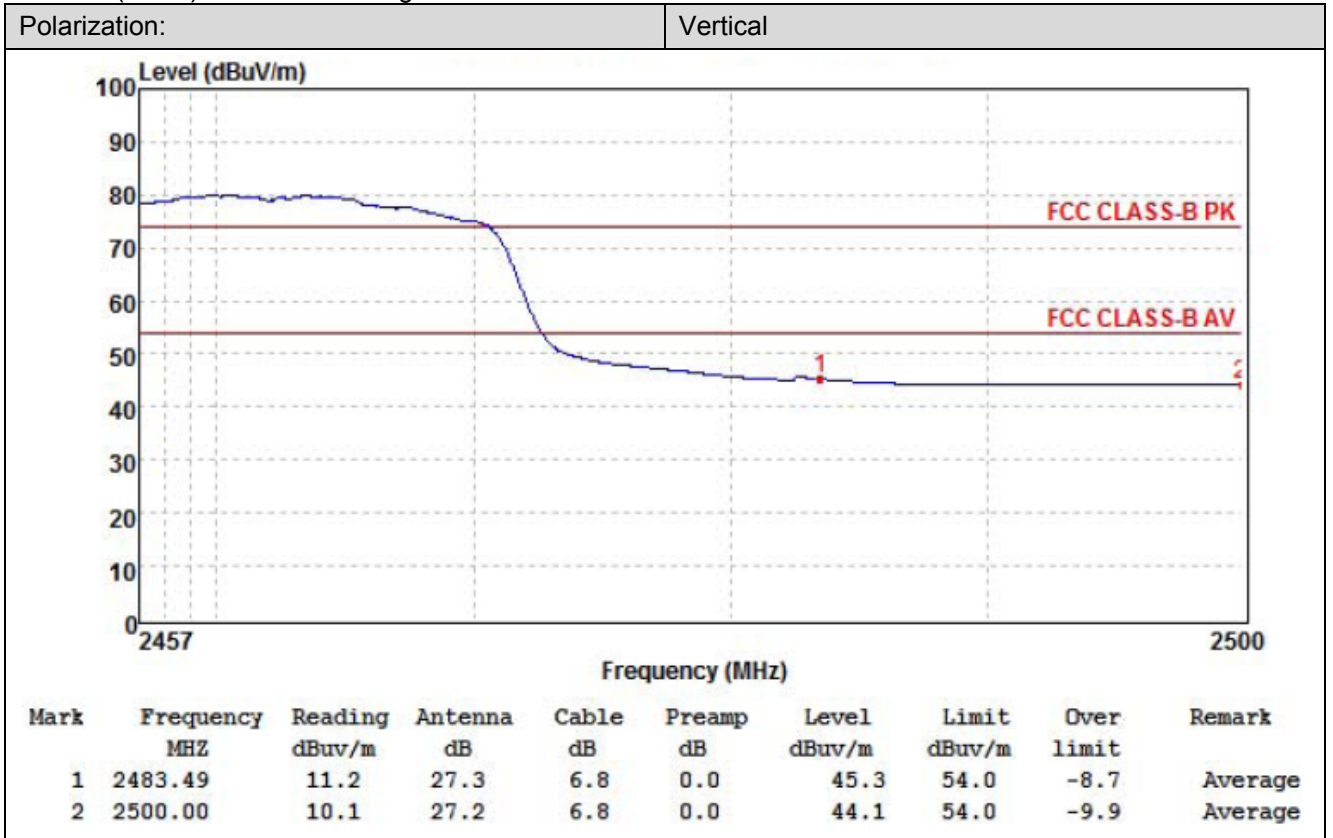
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802.11n(HT20)-2462MHz Peak:



802.11n(HT20)-2462MHz Average:



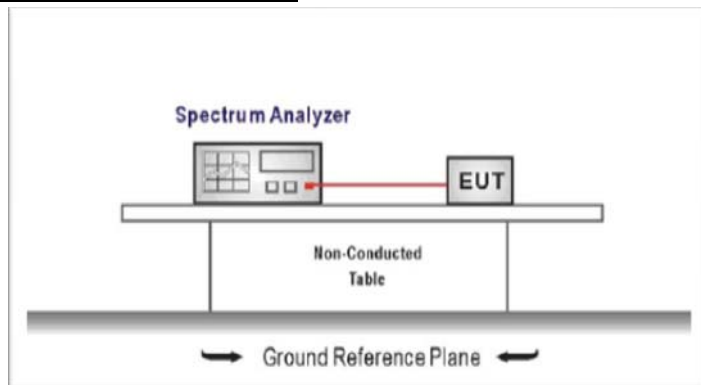
5.7. Band edge and Spurious Emissions (conducted)

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Establish a reference level by using the following procedure
Center frequency=DTS channel center frequency
The span = 1.5 times the DTS bandwidth.
RBW = 100 kHz, VBW $\geq 3 \times$ RBW
Detector = peak, Sweep time = auto couple, Trace mode = max hold
Allow trace to fully stabilize
Use the peak marker function to determine the maximum PSD level

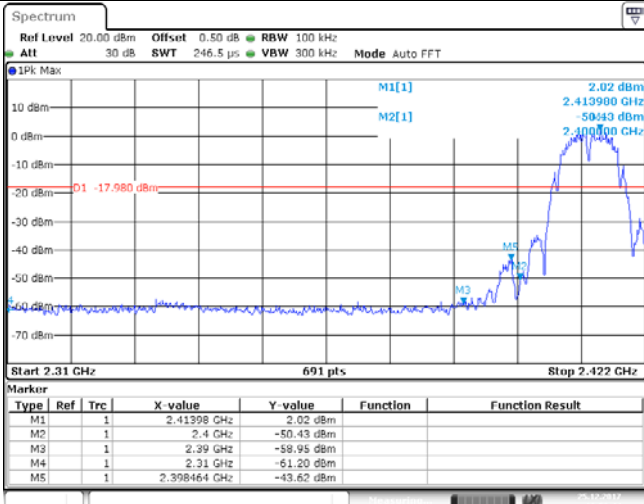
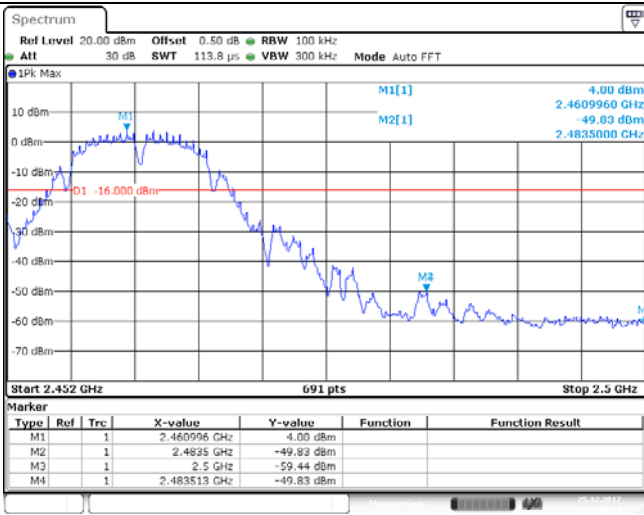
Note: the channel found to contain the maximum PSD level can be used to establish the reference level.
3. Emission level measurement
Set the center frequency and span to encompass frequency range to be measured
RBW = 100 kHz, VBW $\geq 3 \times$ RBW
Detector = peak, Sweep time = auto couple, Trace mode = max hold
Allow trace to fully stabilize
Use the peak marker function to determine the maximum amplitude level.
4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
5. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

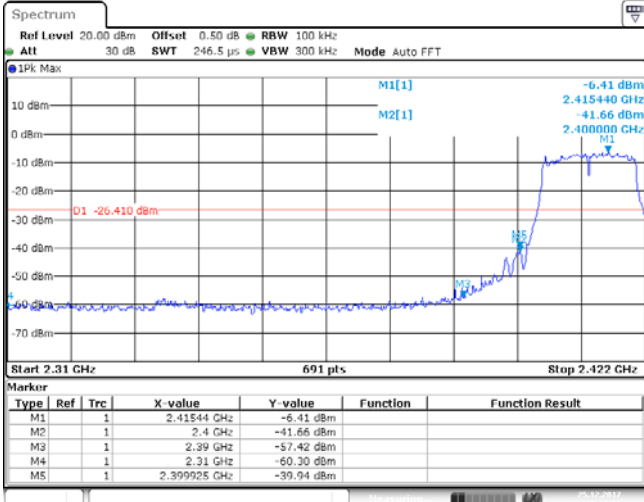
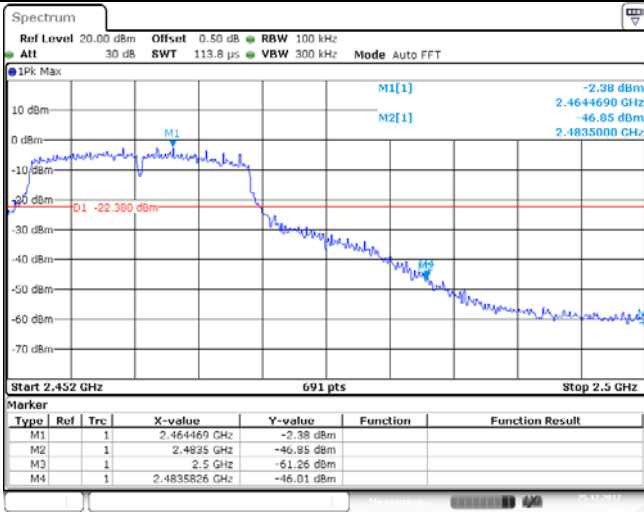
TEST MODE:

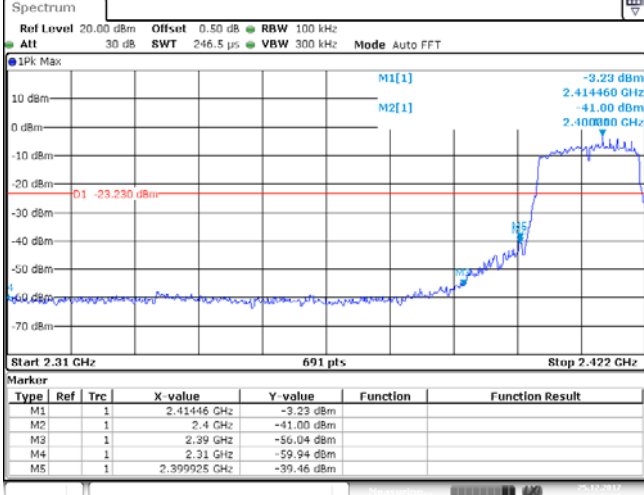
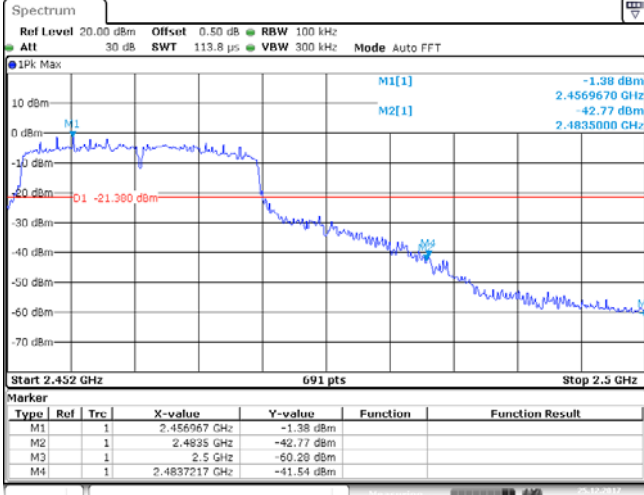
Please refer to the clause 3.3

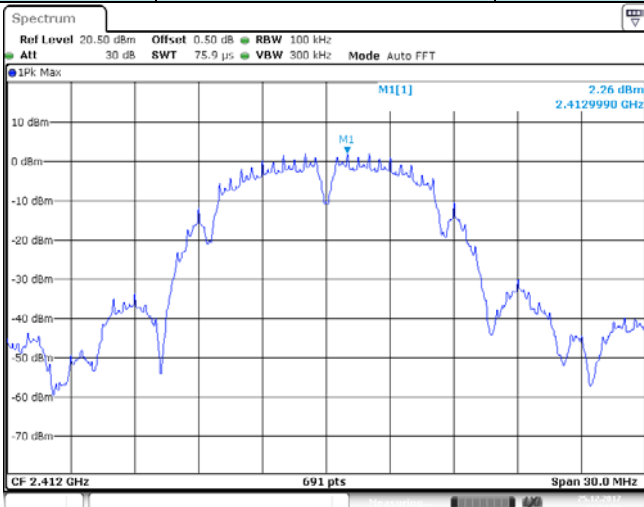
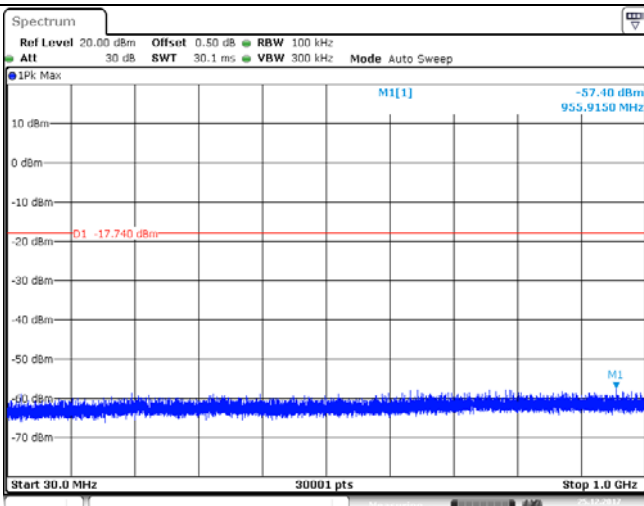
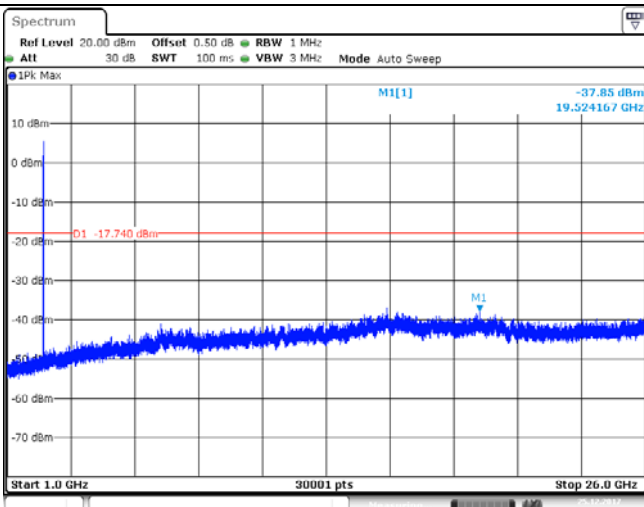
TEST RESULTS

Passed Not Applicable

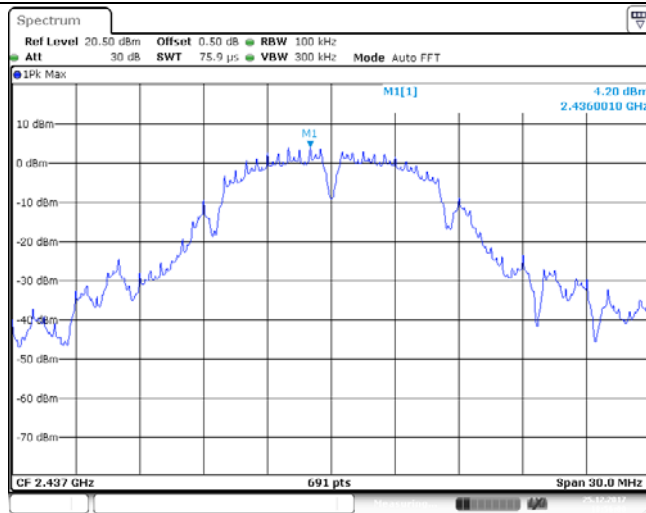
Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] 2.02 dBm 2.413998 GHz M2[1] -50.43 dBm 2.4 GHz M3 -50.95 dBm 2.39 GHz M4 -51.20 dBm 2.31 GHz M5 -43.62 dBm 2.398464 GHz</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.413998 GHz</td> <td>2.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-50.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-50.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-51.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398464 GHz</td> <td>-43.62 dBm</td> <td></td> <td></td> </tr> </tbody> </table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.413998 GHz	2.02 dBm			M2	1		2.4 GHz	-50.43 dBm			M3	1		2.39 GHz	-50.95 dBm			M4	1		2.31 GHz	-51.20 dBm			M5	1		2.398464 GHz	-43.62 dBm		
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CH11	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] 4.00 dBm 2.460996 GHz M2[1] -49.83 dBm 2.4835000 GHz M3 -59.44 dBm 2.5 GHz M4 -49.83 dBm 2.483513 GHz</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.460996 GHz</td> <td>4.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-49.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-59.44 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483513 GHz</td> <td>-49.83 dBm</td> <td></td> <td></td> </tr> </tbody> </table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.460996 GHz	4.00 dBm			M2	1		2.4835 GHz	-49.83 dBm			M3	1		2.5 GHz	-59.44 dBm			M4	1		2.483513 GHz	-49.83 dBm									
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Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -6.41 dBm 2.415440 GHz M2[1] -41.66 dBm 2.400000 GHz</p> <p>D1 -26.410 dBm</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41544 GHz</td> <td>-6.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-41.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-57.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-60.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399025 GHz</td> <td>-39.94 dBm</td> <td></td> <td></td> </tr> </tbody> </table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41544 GHz	-6.41 dBm			M2	1		2.4 GHz	-41.66 dBm			M3	1		2.39 GHz	-57.42 dBm			M4	1		2.31 GHz	-60.30 dBm			M5	1		2.399025 GHz	-39.94 dBm		
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CH11	 <p>Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -2.38 dBm 2.4644690 GHz M2[1] -46.85 dBm 2.4835000 GHz</p> <p>D1 -22.300 dBm</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.464469 GHz</td> <td>-2.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4635 GHz</td> <td>-46.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-61.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483526 GHz</td> <td>-46.01 dBm</td> <td></td> <td></td> </tr> </tbody> </table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.464469 GHz	-2.38 dBm			M2	1		2.4635 GHz	-46.85 dBm			M3	1		2.5 GHz	-61.26 dBm			M4	1		2.483526 GHz	-46.01 dBm									
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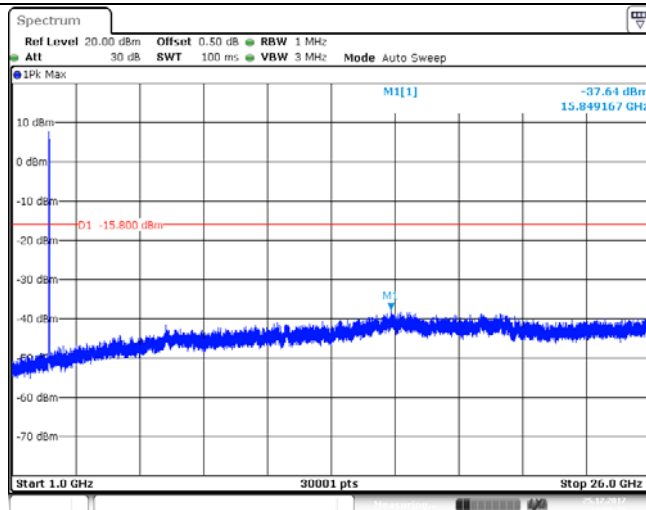
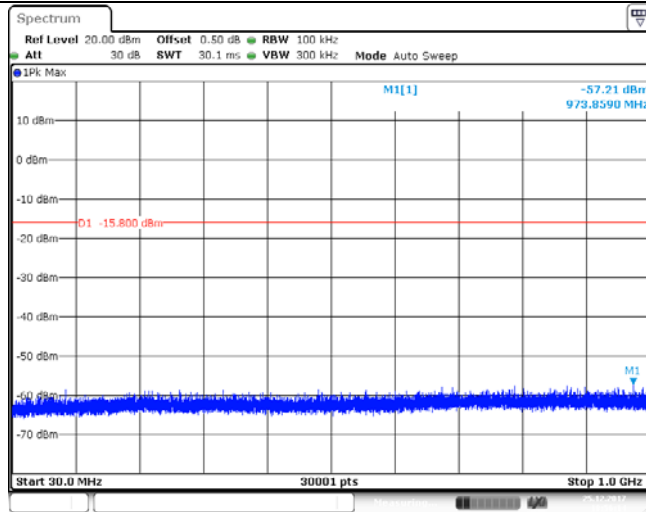
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -3.23 dBm 2.414460 GHz M2[1] -41.00 dBm 2.400000 GHz</p> <p>O1 -23.230 dBm</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41446 GHz</td> <td>-3.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-41.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.04 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-59.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399925 GHz</td> <td>-39.46 dBm</td> <td></td> <td></td> </tr> </tbody> </table>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41446 GHz	-3.23 dBm			M2	1		2.4 GHz	-41.00 dBm			M3	1		2.39 GHz	-56.04 dBm			M4	1		2.31 GHz	-59.94 dBm			M5	1		2.399925 GHz	-39.46 dBm		
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Test Item:	SE	Type:	802.11 b
Pref/11B/LCH			
Puw/11B/LCH			
			

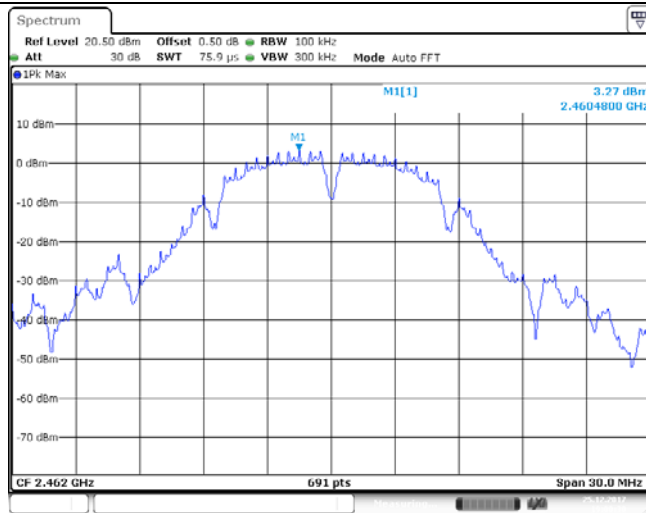
Pref/11B/MCH



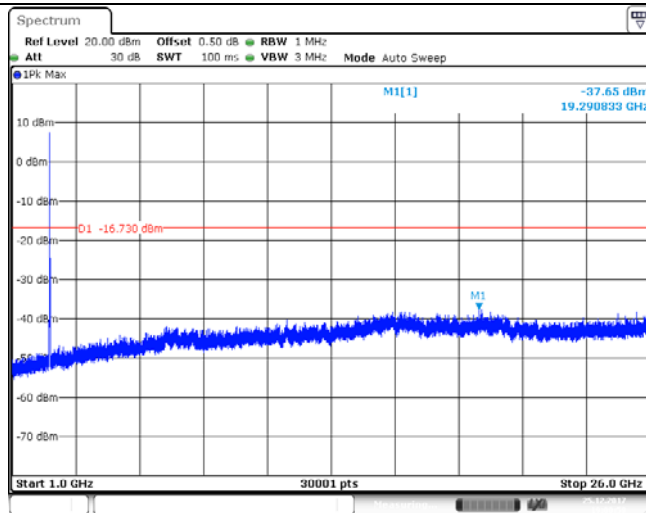
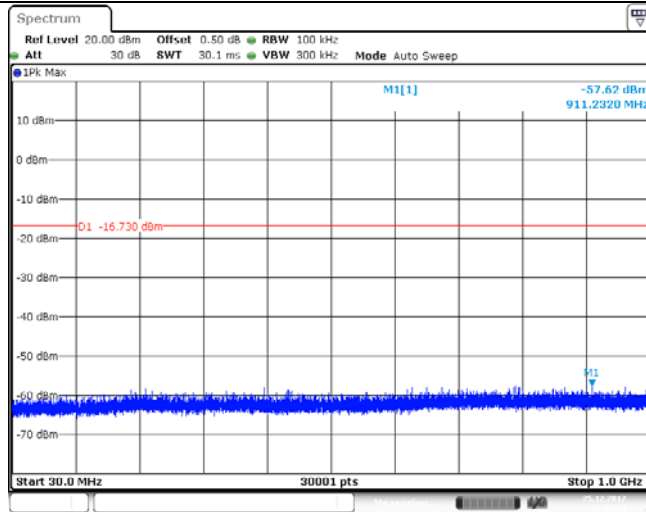
Puw/11B/MCH

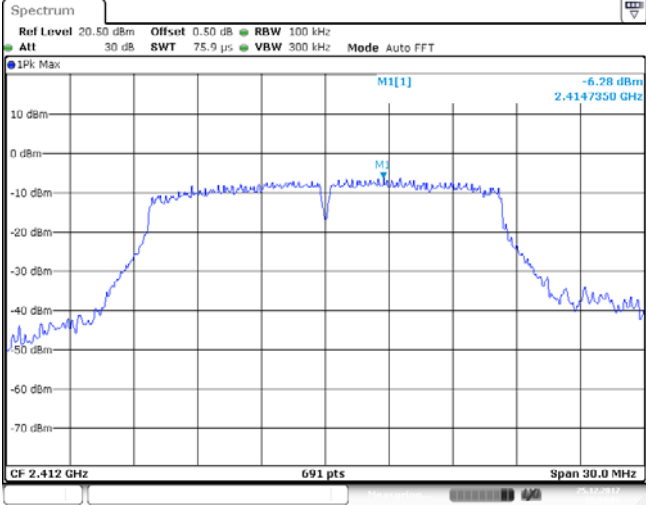
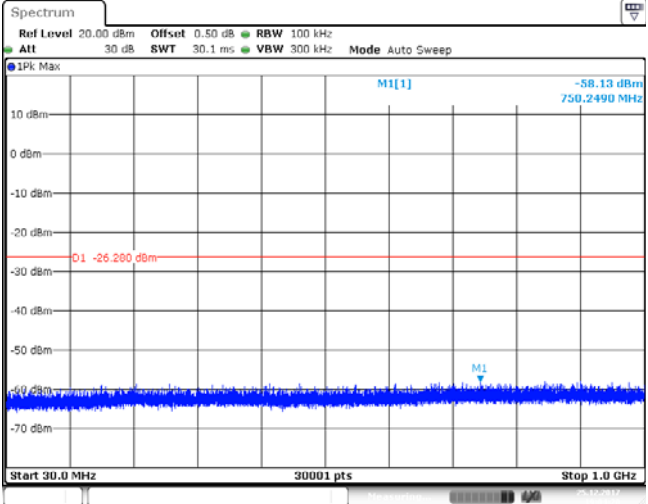
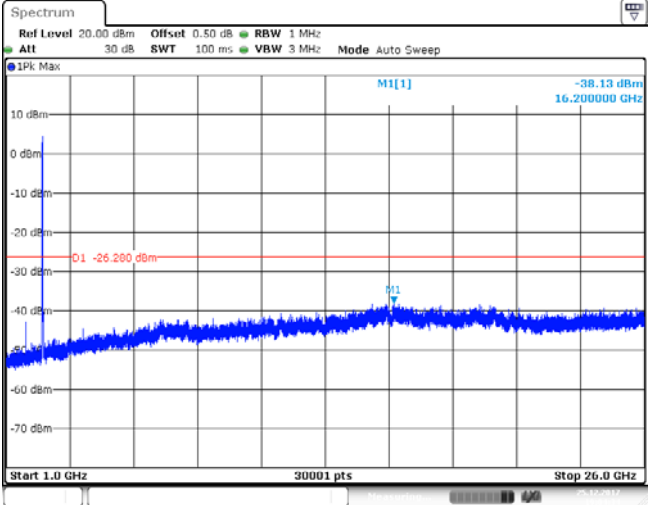


Pref/11B/HCH

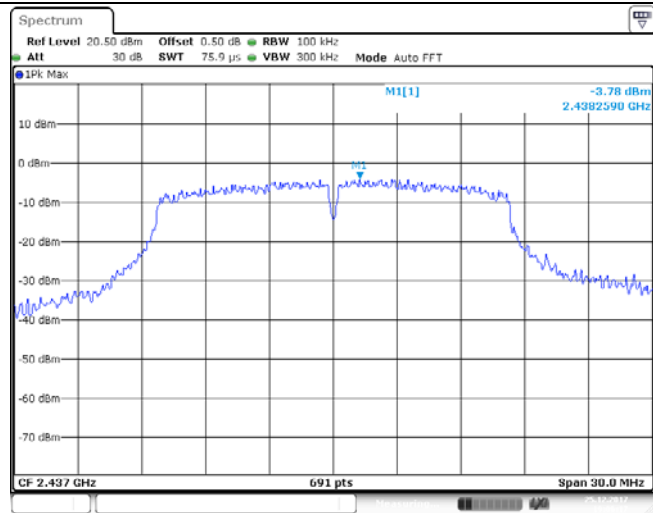


Puw/11B/HCH

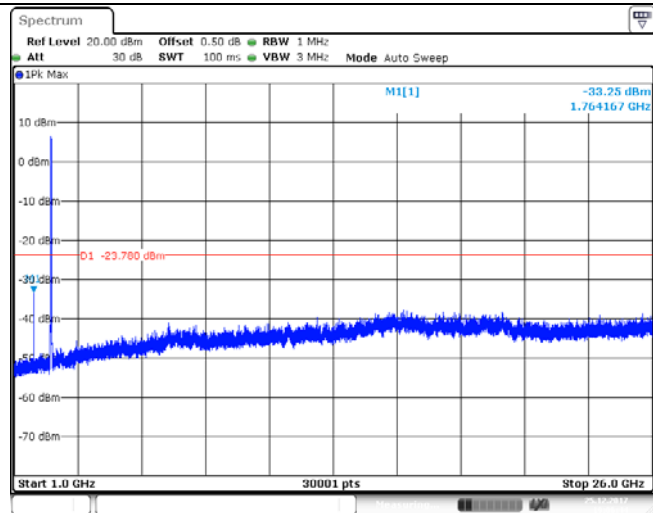
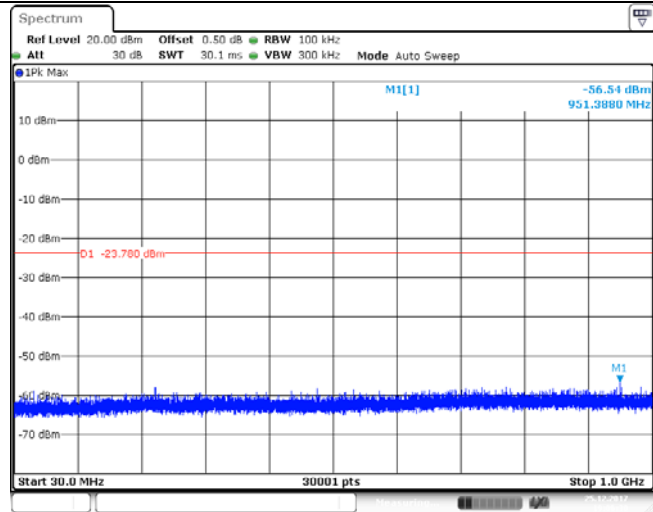


Test Item:	SE	Type:	802.11 g
Pref/11G/LCH			
Puw/11G/LCH			
			

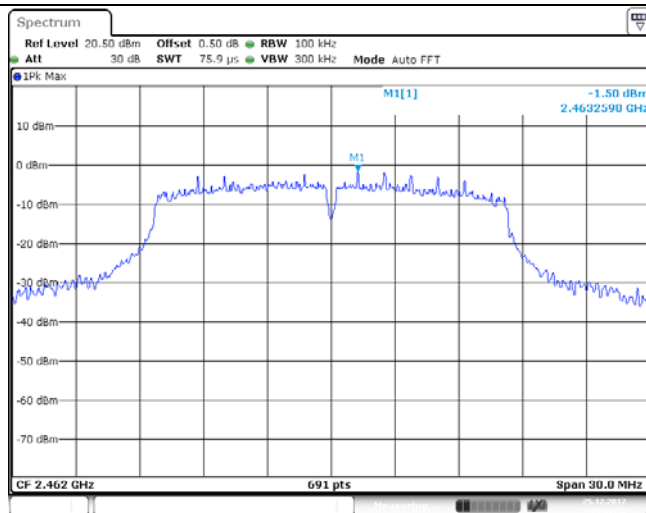
Pref/11G/MCH



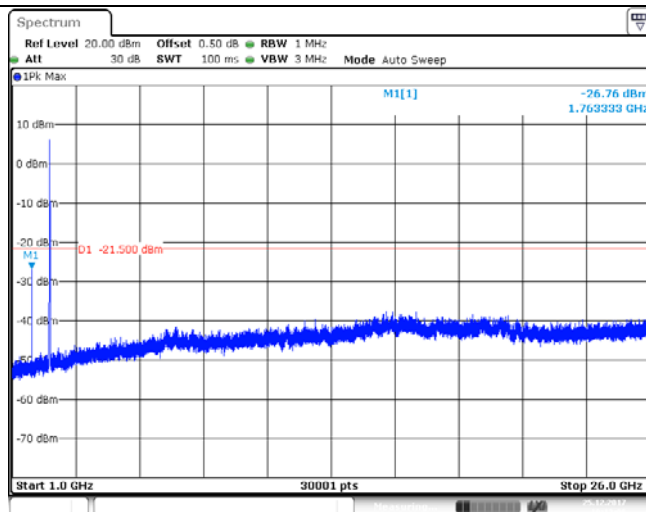
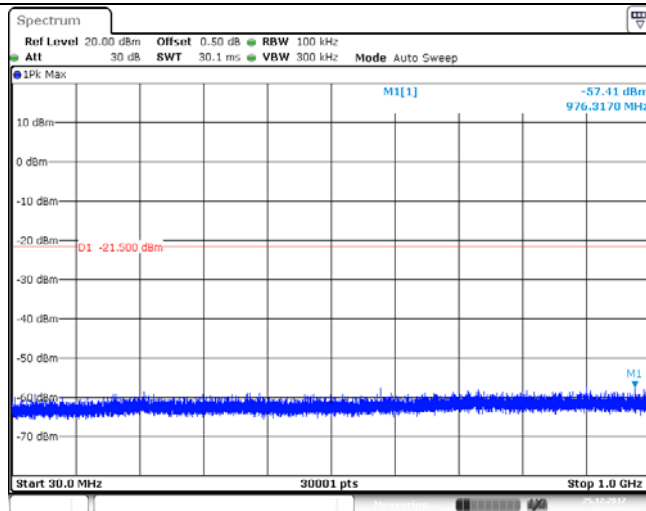
Puw/11G/MCH

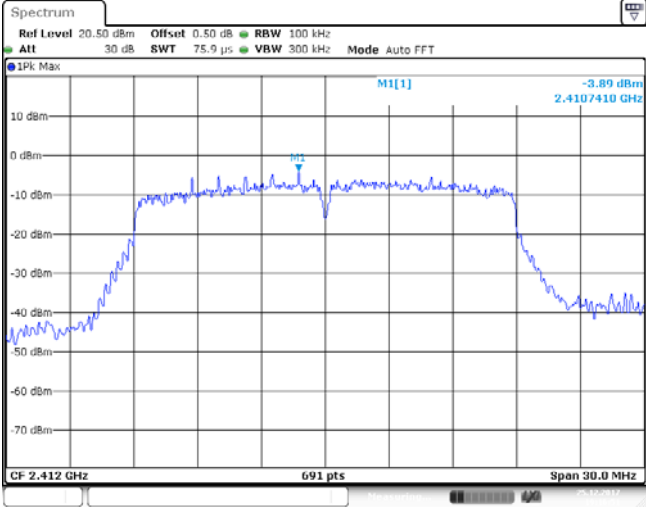
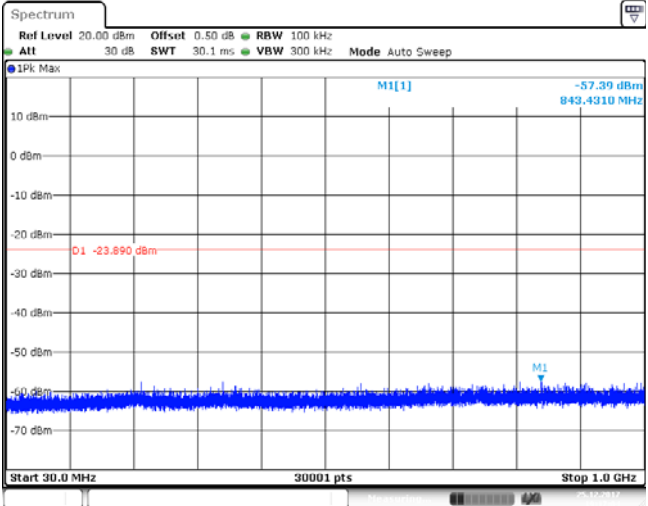
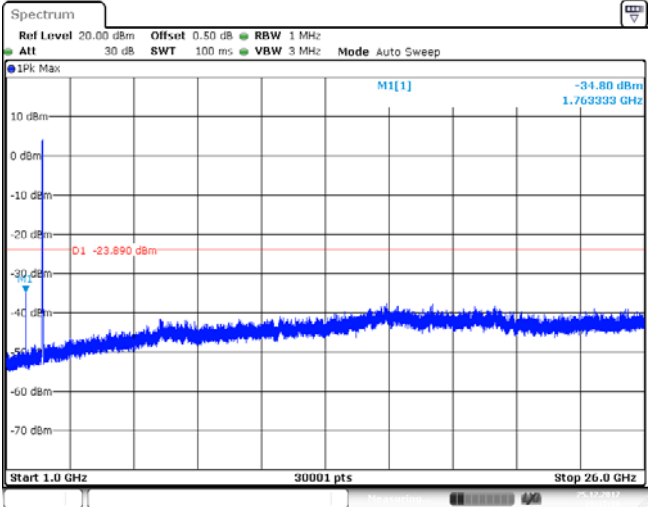


Pref/11G/HCH

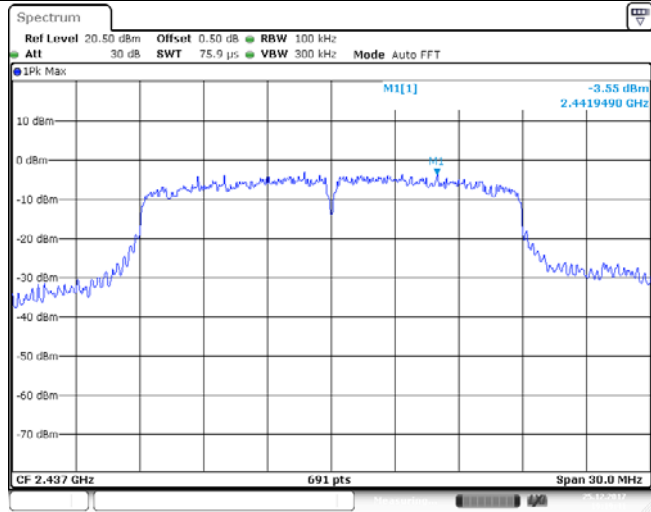


Puw/11G/HCH

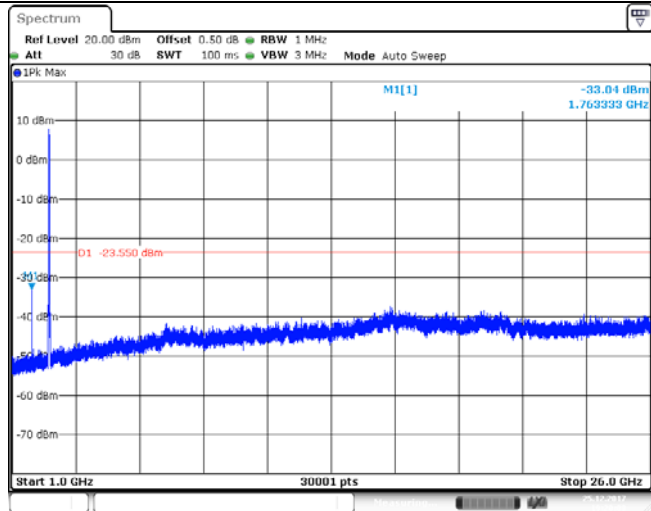
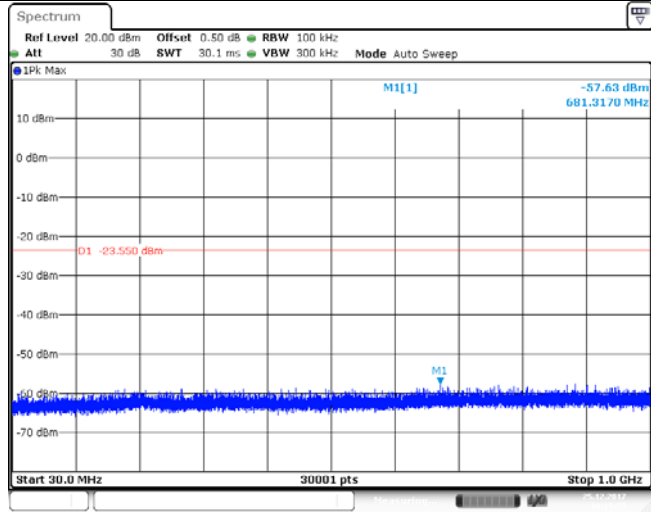


Test Item:	SE	Type:	802.11 n(HT20)
Pref/11n20/LCH			
Puw/11n20/LCH			
			

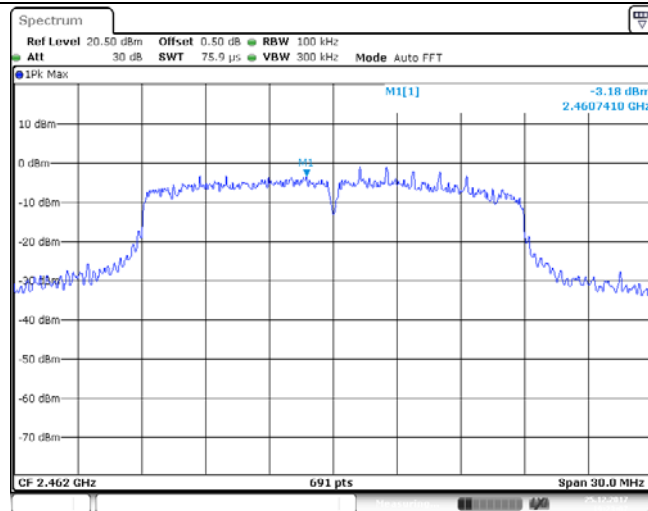
Pref/11n20/MCH



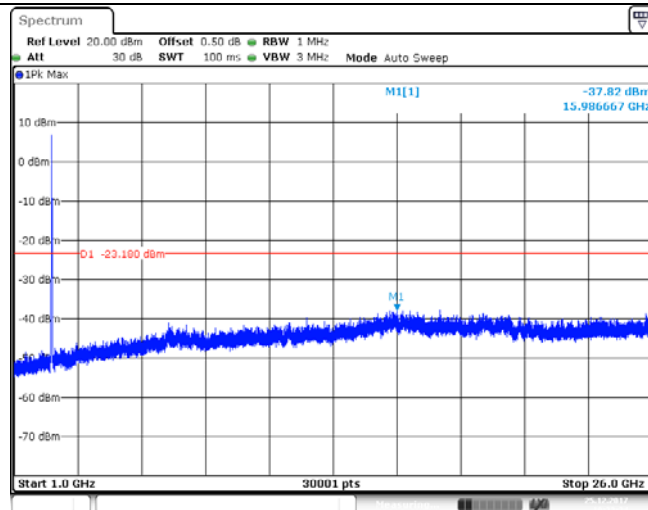
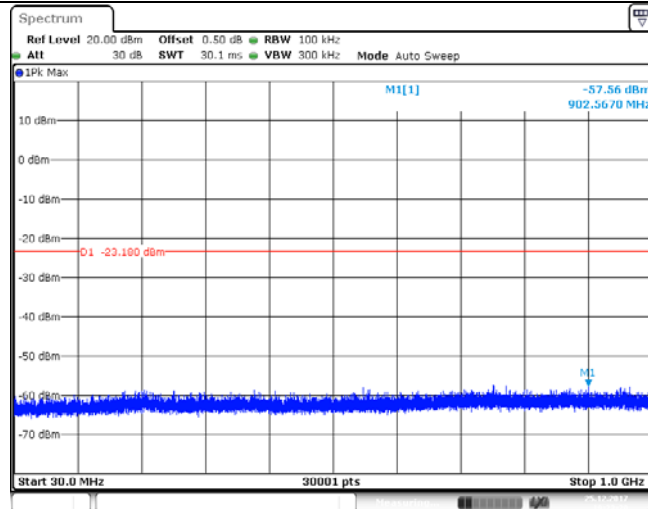
Puw/11n20/MCH



Pref/11n20/HCH



Puw/11n20/HCH



5.8. Spurious Emissions (radiated)

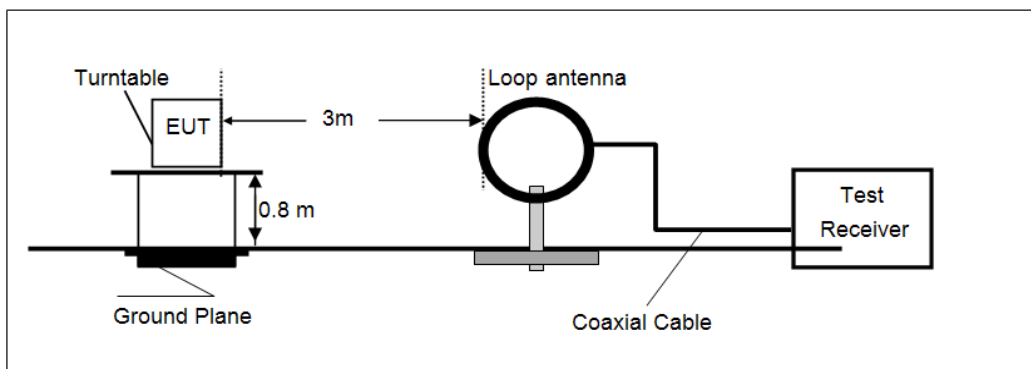
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

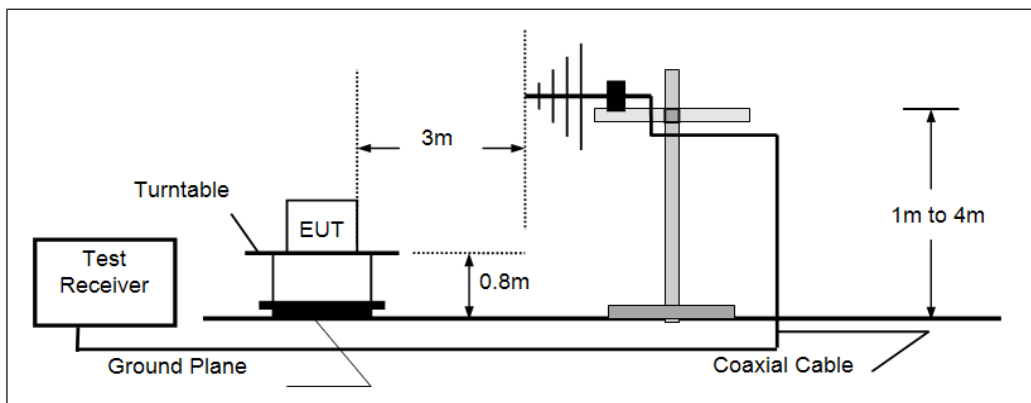
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

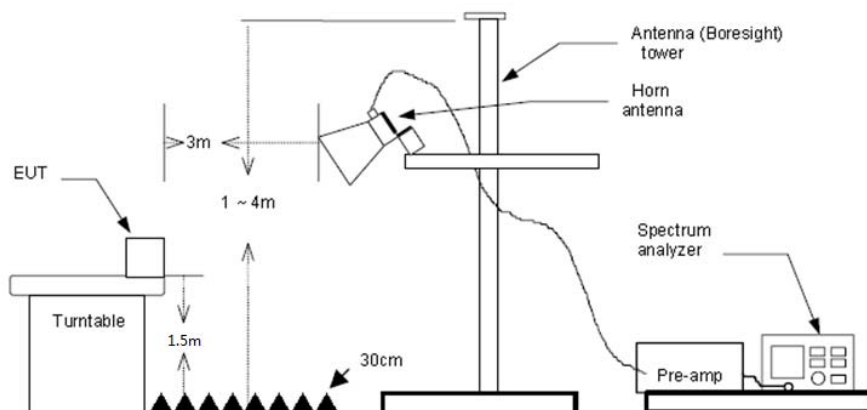
➤ 9kHz ~30MHz



➤ 30MHz ~ 1GHz



➤ Above 1GHz



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed **Not Applicable**

Note:

- 1) Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- 2) The emission levels of other frequencies are very lower than the limit and not show in test report.

➤ 9kHz ~ 30MHz

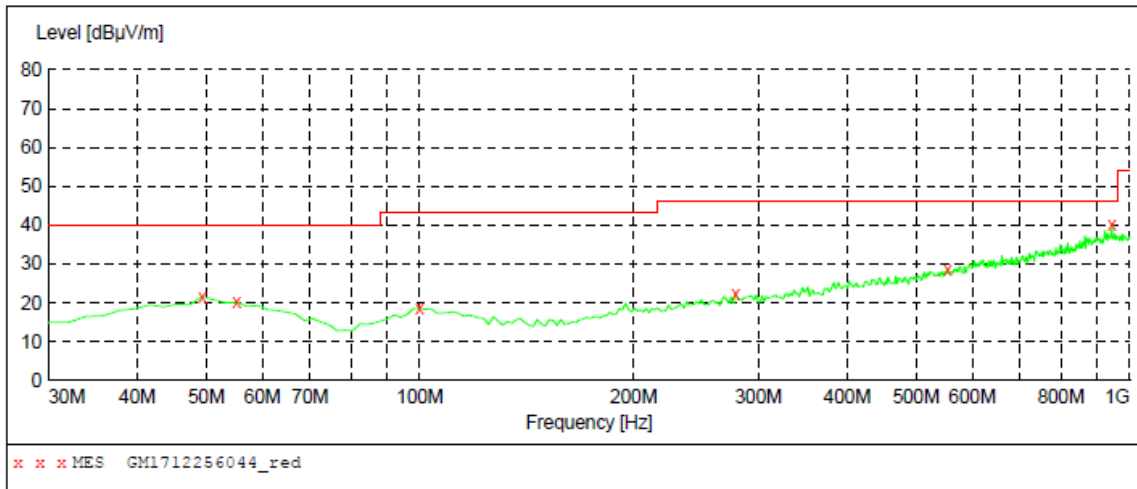
The EUT was pre-scanned the frequency band (9kHz~30MHz), found the radiated level lower than the limit, so don't show on the report.

➤ 30MHz ~1000MHz

Have pre-scan all modulation mode, found the 802.11b mode CH01 which it was worst case, so only the worst case's data on the test report.

➤ 30MHz ~ 1GHz

Polarization: Vertical

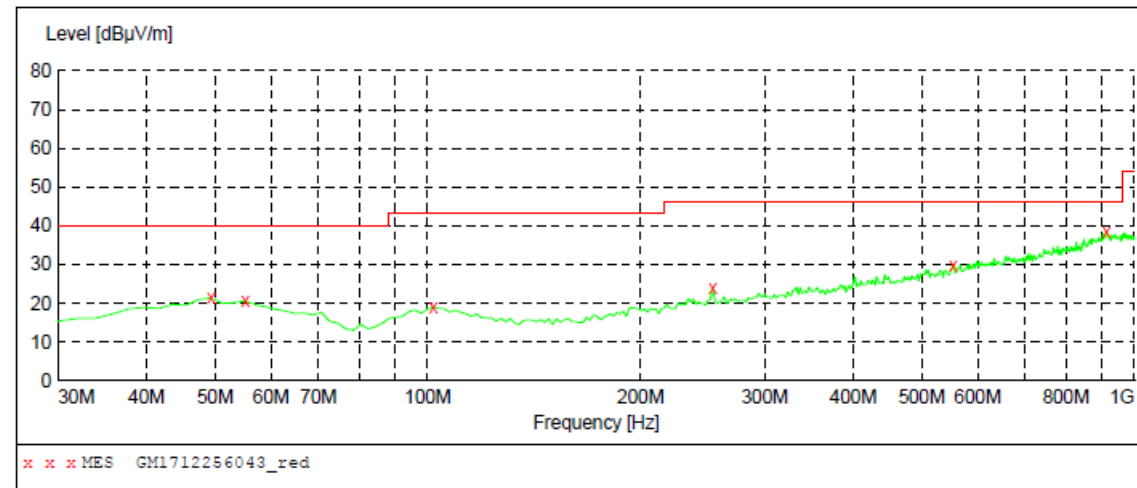


MEASUREMENT RESULT: "GM1712256044_red"

12/25/2017 3:18PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	21.70	-8.7	40.0	18.3	QP	100.0	333.00	VERTICAL
55.220000	20.20	-9.2	40.0	19.8	QP	100.0	108.00	VERTICAL
99.840000	18.80	-10.6	43.5	24.7	QP	100.0	0.00	VERTICAL
278.320000	22.50	-7.8	46.0	23.5	QP	100.0	121.00	VERTICAL
553.800000	28.40	-0.7	46.0	17.6	QP	100.0	148.00	VERTICAL
943.740000	40.30	7.2	46.0	5.7	QP	100.0	121.00	VERTICAL

Polarization: Horizontal



MEASUREMENT RESULT: "GM1712256043_red"

12/25/2017 3:16PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	21.40	-8.7	40.0	18.6	QP	100.0	348.00	HORIZONTAL
55.220000	20.60	-9.2	40.0	19.4	QP	100.0	213.00	HORIZONTAL
101.780000	18.90	-10.5	43.5	24.6	QP	100.0	279.00	HORIZONTAL
253.100000	23.90	-8.4	46.0	22.1	QP	100.0	357.00	HORIZONTAL
553.800000	29.90	-0.7	46.0	16.1	QP	100.0	348.00	HORIZONTAL
912.700000	38.50	6.9	46.0	7.5	QP	100.0	308.00	HORIZONTAL

➤ 1 GHz ~ 25 GHz

802.11b					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1732.97	35.73	25.27	5.83	37.00	29.83	74.00	-44.17	Vertical	Peak
3376.24	36.05	28.20	7.93	38.51	33.67	74.00	-40.33	Vertical	Peak
4821.76	35.95	31.56	9.55	36.90	40.16	74.00	-33.84	Vertical	Peak
7245.81	34.02	36.25	11.91	35.02	47.16	74.00	-26.84	Vertical	Peak
1263.88	36.64	26.24	4.77	36.53	31.12	74.00	-42.88	Horizontal	Peak
3200.50	35.78	28.80	7.72	38.20	34.10	74.00	-39.90	Horizontal	Peak
4821.76	39.12	31.56	9.55	36.90	43.33	74.00	-30.67	Horizontal	Peak
7245.81	34.35	36.25	11.91	35.02	47.49	74.00	-26.51	Horizontal	Peak

802.11b					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1711.05	35.76	25.22	5.79	36.95	29.82	74.00	-44.18	Vertical	Peak
3049.39	35.80	28.70	7.54	38.22	33.82	74.00	-40.18	Vertical	Peak
4871.10	35.91	31.46	9.59	36.76	40.20	74.00	-33.80	Vertical	Peak
7319.96	35.75	36.30	11.99	34.92	49.12	74.00	-24.88	Vertical	Peak
1728.56	35.74	25.26	5.82	36.99	29.83	74.00	-44.17	Horizontal	Peak
4055.37	35.21	29.81	8.82	37.98	35.86	74.00	-38.14	Horizontal	Peak
4871.10	39.82	31.46	9.59	36.76	44.11	74.00	-29.89	Horizontal	Peak
7319.96	33.02	36.30	11.99	34.92	46.39	74.00	-27.61	Horizontal	Peak

802.11b					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1706.70	35.80	25.21	5.78	36.94	29.85	74.00	-44.15	Vertical	Peak
4170.53	34.24	29.97	8.92	37.72	35.41	74.00	-38.59	Vertical	Peak
5910.80	33.42	32.32	10.63	35.39	40.98	74.00	-33.02	Vertical	Peak
7394.88	36.97	36.30	12.06	34.83	50.50	74.00	-23.50	Vertical	Peak
1319.78	35.10	26.14	4.86	36.50	29.60	74.00	-44.40	Horizontal	Peak
2584.37	38.82	27.71	6.90	37.84	35.59	74.00	-38.41	Horizontal	Peak
4920.96	36.00	31.42	9.62	36.62	40.42	74.00	-33.58	Horizontal	Peak
7394.88	35.16	36.30	12.06	34.83	48.69	74.00	-25.31	Horizontal	Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11g					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1346.93	34.92	26.06	4.91	36.49	29.40	74.00	-44.60	Vertical	Peak
2590.96	39.86	27.75	6.90	37.84	36.67	74.00	-37.33	Vertical	Peak
3795.66	35.19	29.59	8.50	38.23	35.05	74.00	-38.95	Vertical	Peak
7357.33	32.69	36.30	12.03	34.88	46.14	74.00	-27.86	Vertical	Peak
1179.94	36.57	26.14	4.61	36.58	30.74	74.00	-43.26	Horizontal	Peak
1899.28	38.03	25.30	6.11	37.22	32.22	74.00	-41.78	Horizontal	Peak
4834.05	34.62	31.53	9.56	36.86	38.85	74.00	-35.15	Horizontal	Peak
6903.71	32.00	34.72	11.73	34.89	43.56	74.00	-30.44	Horizontal	Peak

802.11g					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1737.38	35.63	25.28	5.84	37.01	29.74	74.00	-44.26	Vertical	Peak
2584.37	40.85	27.71	6.90	37.84	37.62	74.00	-36.38	Vertical	Peak
4652.95	34.23	31.06	9.48	37.16	37.61	74.00	-36.39	Vertical	Peak
8187.50	33.43	36.74	12.74	34.55	48.36	74.00	-25.64	Vertical	Peak
1198.10	36.20	26.29	4.66	36.57	30.58	74.00	-43.42	Horizontal	Peak
2584.37	39.89	27.71	6.90	37.84	36.66	74.00	-37.34	Horizontal	Peak
3815.03	34.86	29.62	8.52	38.22	34.78	74.00	-39.22	Horizontal	Peak
4871.10	35.24	31.46	9.59	36.76	39.53	74.00	-34.47	Horizontal	Peak

802.11g					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1672.30	35.57	25.12	5.71	36.87	29.53	74.00	-44.47	Vertical	Peak
2584.37	38.78	27.71	6.90	37.84	35.55	74.00	-38.45	Vertical	Peak
4278.06	35.62	30.16	9.01	37.61	37.18	74.00	-36.82	Vertical	Peak
7394.88	35.87	36.30	12.06	34.83	49.40	74.00	-24.60	Vertical	Peak
1251.08	36.48	26.25	4.75	36.54	30.94	74.00	-43.06	Horizontal	Peak
2584.37	43.51	27.71	6.90	37.84	40.28	74.00	-33.72	Horizontal	Peak
4559.15	33.95	30.82	9.39	37.30	36.86	74.00	-37.14	Horizontal	Peak
7394.88	33.97	36.30	12.06	34.83	47.50	74.00	-26.50	Horizontal	Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11n(HT20)					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1884.83	41.10	25.31	6.09	37.21	35.29	74.00	-38.71	Vertical	Peak
3192.37	35.88	28.80	7.71	38.20	34.19	74.00	-39.81	Vertical	Peak
4785.08	33.83	31.54	9.53	36.98	37.92	74.00	-36.08	Vertical	Peak
8637.08	33.48	37.52	12.93	34.48	49.45	74.00	-24.55	Vertical	Peak
1569.19	34.37	25.17	5.48	36.68	28.34	74.00	-45.66	Horizontal	Peak
3120.06	35.46	28.80	7.62	38.21	33.67	74.00	-40.33	Horizontal	Peak
4821.76	33.69	31.56	9.55	36.90	37.90	74.00	-36.10	Horizontal	Peak
8420.00	33.47	36.66	12.85	34.29	48.69	74.00	-25.31	Horizontal	Peak

802.11n(HT20)					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1837.46	35.31	25.36	6.02	37.17	29.52	74.00	-44.48	Vertical	Peak
3104.22	35.79	28.80	7.61	38.21	33.99	74.00	-40.01	Vertical	Peak
5532.26	33.58	31.87	10.22	36.18	39.49	74.00	-34.51	Vertical	Peak
7451.57	32.77	36.20	12.24	34.86	46.35	74.00	-27.65	Vertical	Peak
1589.29	35.47	24.99	5.54	36.71	29.29	74.00	-44.71	Horizontal	Peak
3151.99	36.24	28.80	7.66	38.21	34.49	74.00	-39.51	Horizontal	Peak
4883.52	35.40	31.43	9.59	36.73	39.69	74.00	-34.31	Horizontal	Peak
7527.83	33.17	36.13	12.49	34.92	46.87	74.00	-27.13	Horizontal	Peak

802.11n(HT20)					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1884.83	37.44	25.31	6.09	37.21	31.63	74.00	-42.37	Vertical	Peak
3120.06	35.43	28.80	7.62	38.21	33.64	74.00	-40.36	Vertical	Peak
5151.68	33.99	31.69	9.79	36.25	39.22	74.00	-34.78	Vertical	Peak
7394.88	36.13	36.30	12.06	34.83	49.66	74.00	-24.34	Vertical	Peak
2571.25	38.77	27.63	6.89	37.85	35.44	74.00	-38.56	Horizontal	Peak
3192.37	36.51	28.80	7.71	38.20	34.82	74.00	-39.18	Horizontal	Peak
4310.85	34.89	30.23	9.05	37.60	36.57	74.00	-37.43	Horizontal	Peak
7961.43	33.55	36.95	12.49	34.63	48.36	74.00	-25.64	Horizontal	Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

6. TEST SETUP PHOTOS

Conducted Emissions (AC Mains)



Radiated Emissions





7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: TRE1712020701

-----End of Report-----