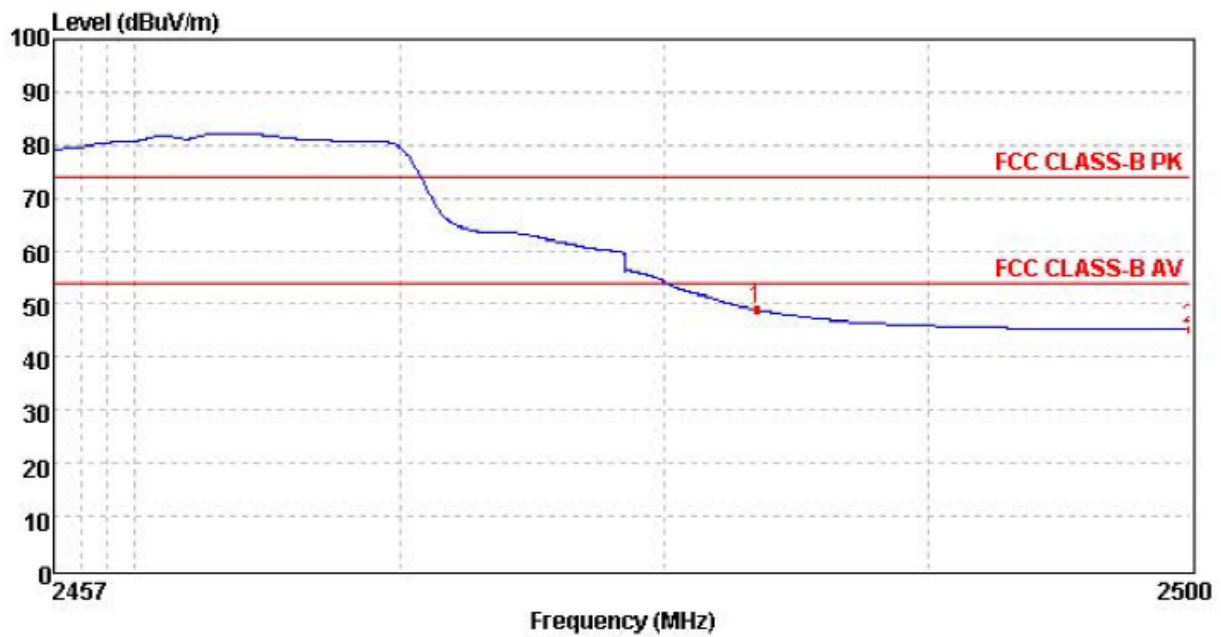


802.11g-2462MHz Average:

Polarization:

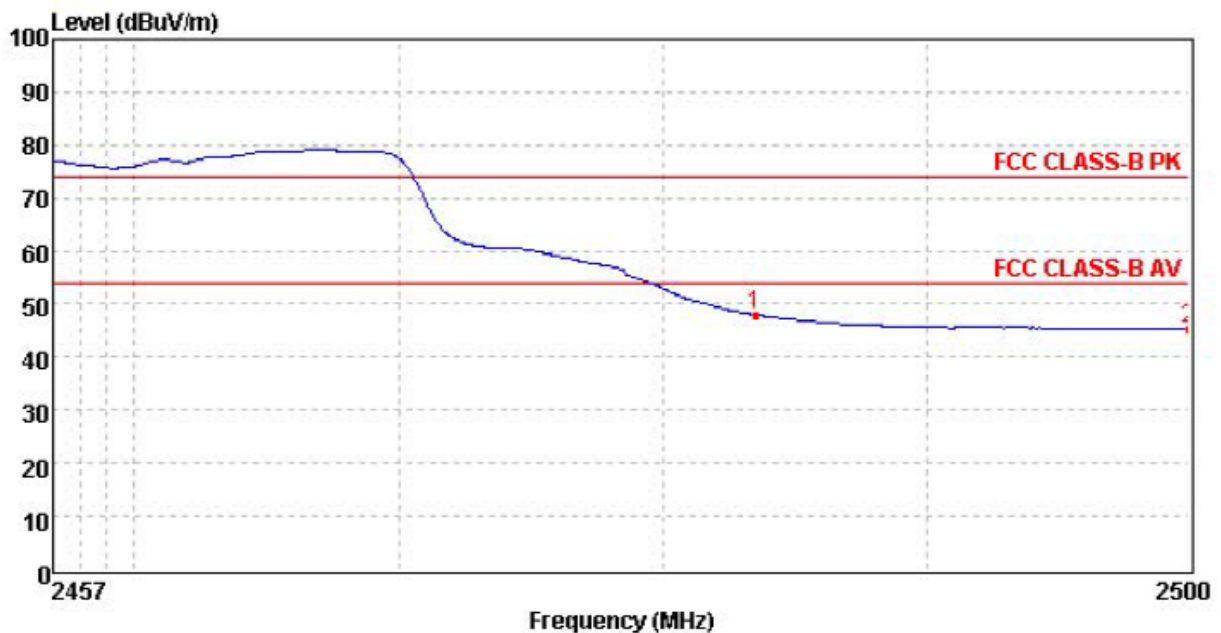
Vertical



Mark	Frequency MHz	Reading dBUV/m	Antenna dB	Cable dB	Preamp dB	Level dBUV/m	Limit dBUV/m	Over limit	Remark
1	2483.49	14.90	27.26	6.83	0.00	48.99	54.00	-5.01	Average
2	2500.00	11.27	27.20	6.84	0.00	45.31	54.00	-8.69	Average

Polarization:

Horizontal

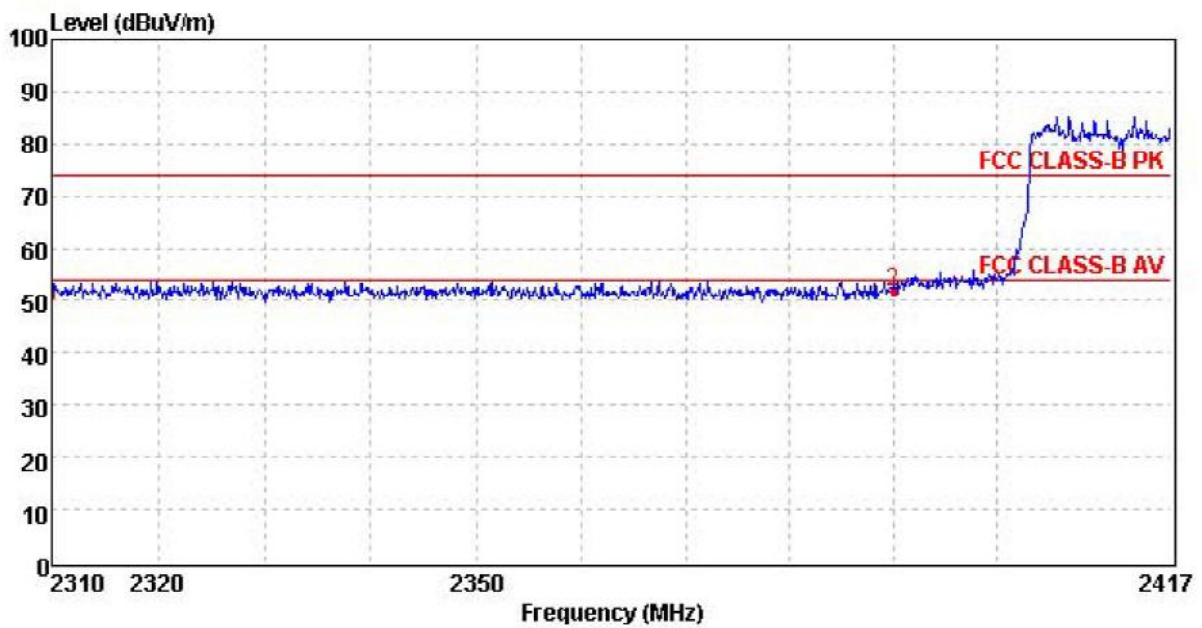


Mark	Frequency MHz	Reading dBUV/m	Antenna dB	Cable dB	Preamp dB	Level dBUV/m	Limit dBUV/m	Over limit	Remark
1	2483.49	13.88	27.26	6.83	0.00	47.97	54.00	-6.03	Average
2	2500.00	11.30	27.20	6.84	0.00	45.34	54.00	-8.66	Average

802.11n(HT20)-2412MHz Peak:

Polarization:

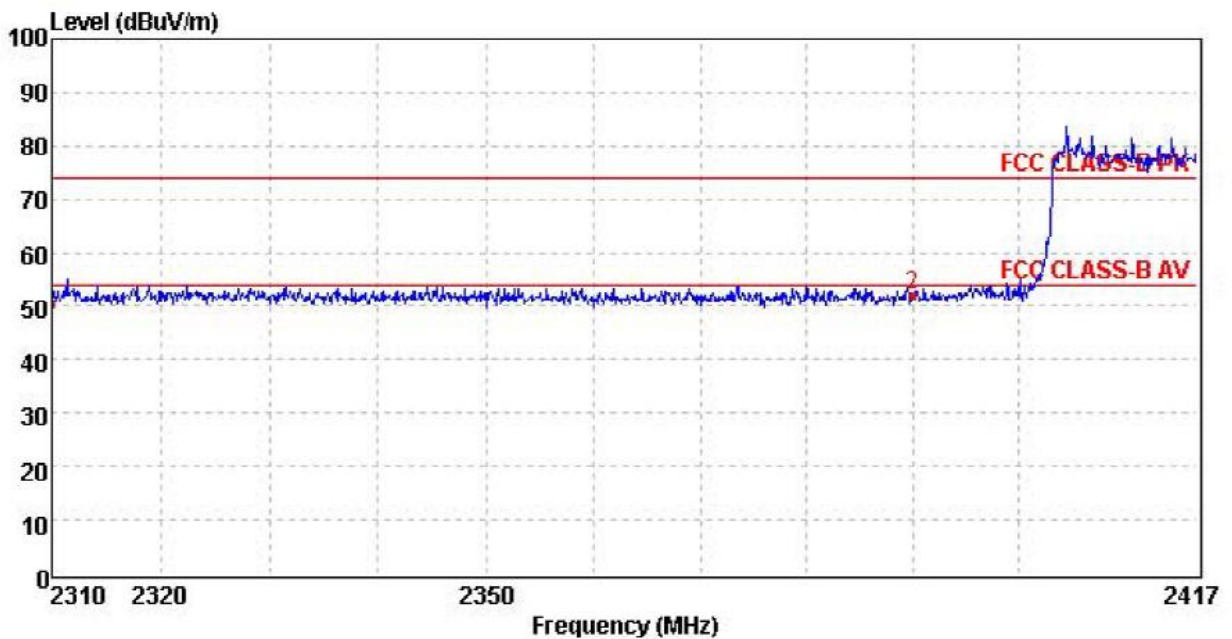
Vertical



Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	16.62	28.05	6.62	0.00	51.29	74.00	-22.71	Peak
2	2390.01	17.11	27.65	6.75	0.00	51.51	74.00	-22.49	Peak

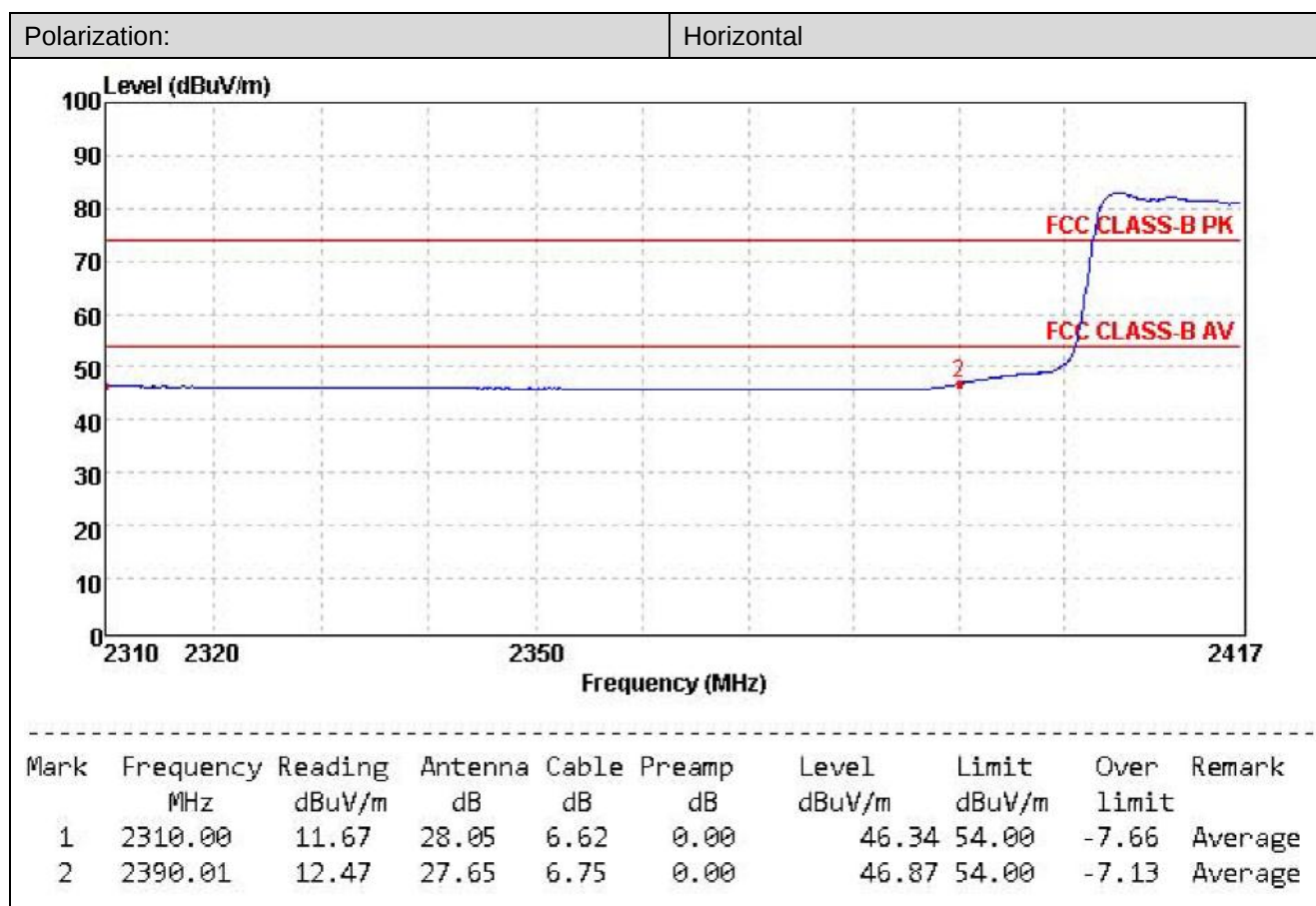
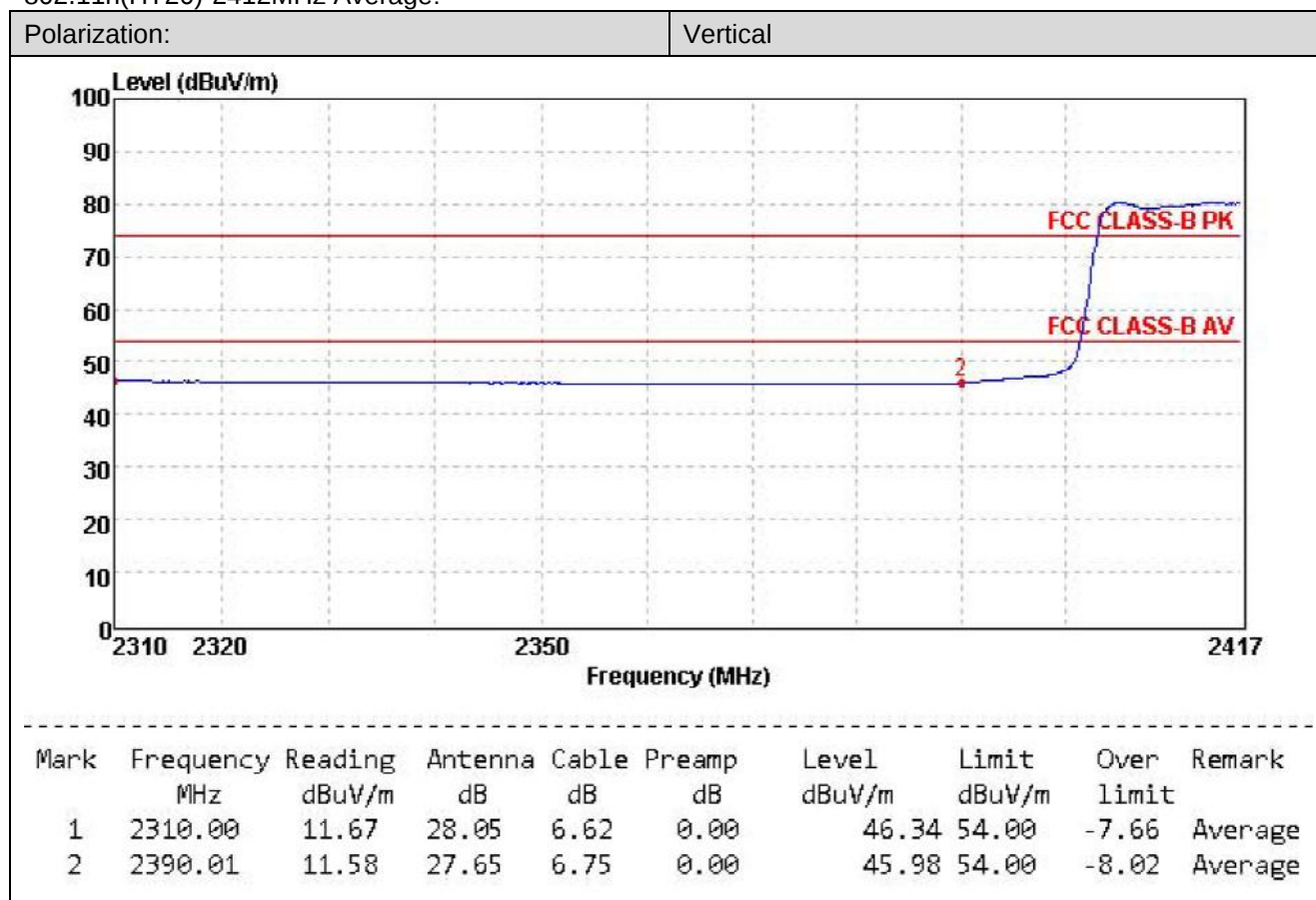
Polarization:

Horizontal



Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	15.80	28.05	6.62	0.00	50.47	74.00	-23.53	Peak
2	2390.01	17.64	27.65	6.75	0.00	52.04	74.00	-21.96	Peak

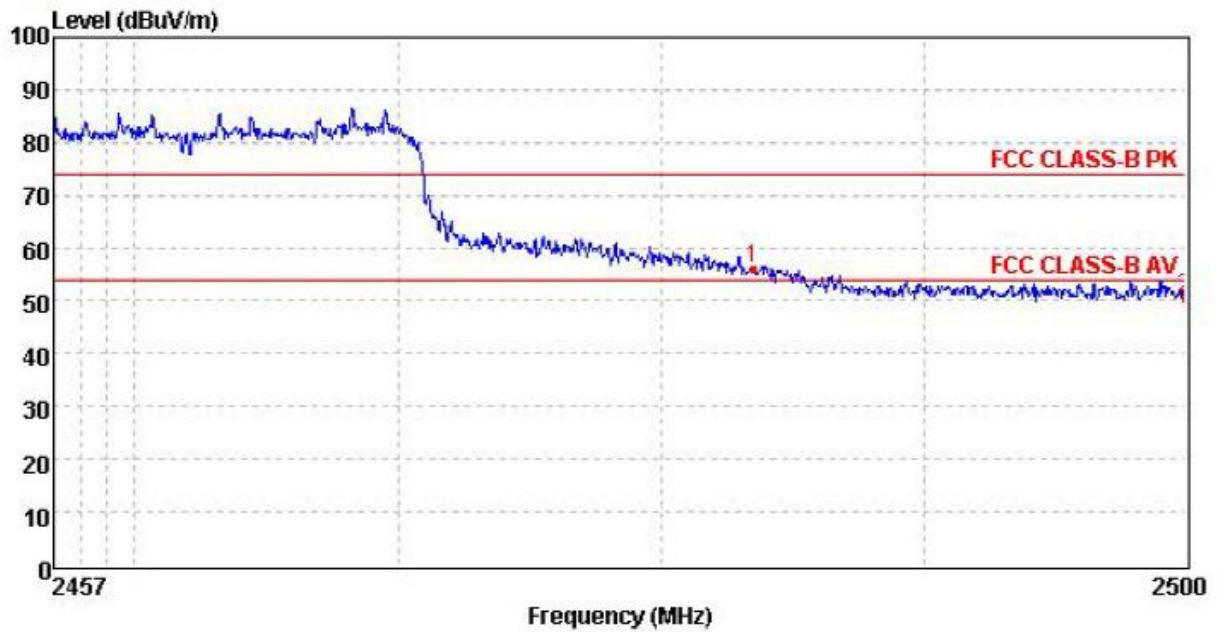
802.11n(HT20)-2412MHz Average:



802.11n(HT20)-2462MHz Peak:

Polarization:

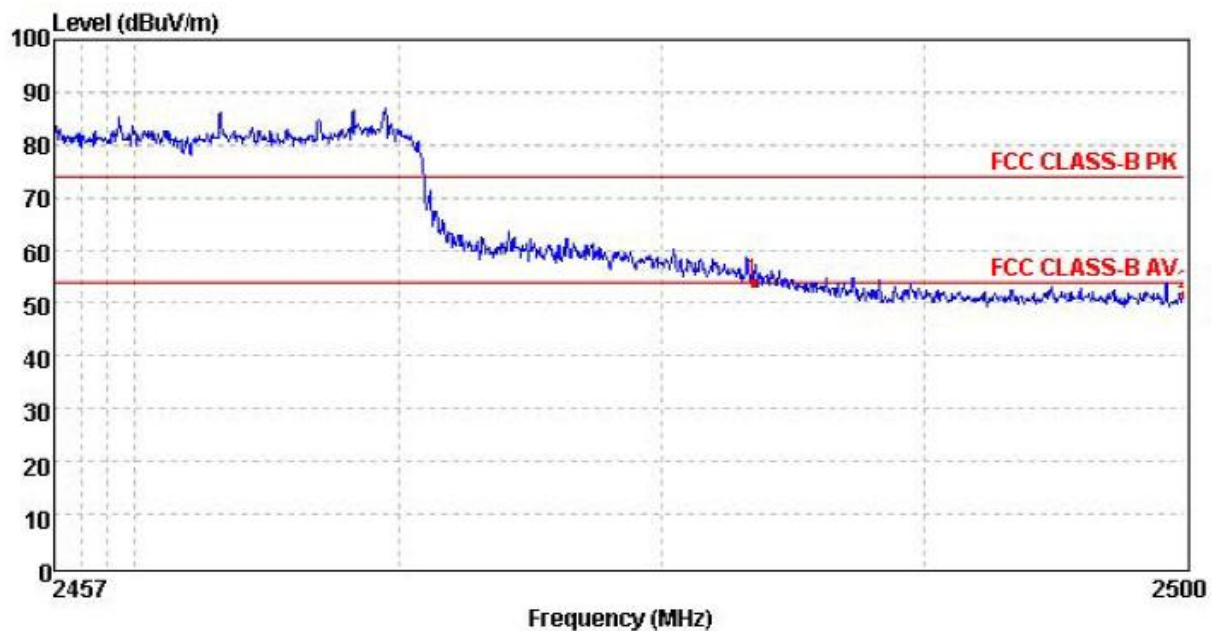
Vertical



Mark	Frequency MHz	Reading dBUV/m	Antenna dB	Cable dB	Preamp dB	Level dBUV/m	Limit dBUV/m	Over limit	Remark
1	2483.49	22.21	27.26	6.83	0.00	56.30	74.00	-17.70	Peak
2	2500.00	16.68	27.20	6.84	0.00	50.72	74.00	-23.28	Peak

Polarization:

Horizontal

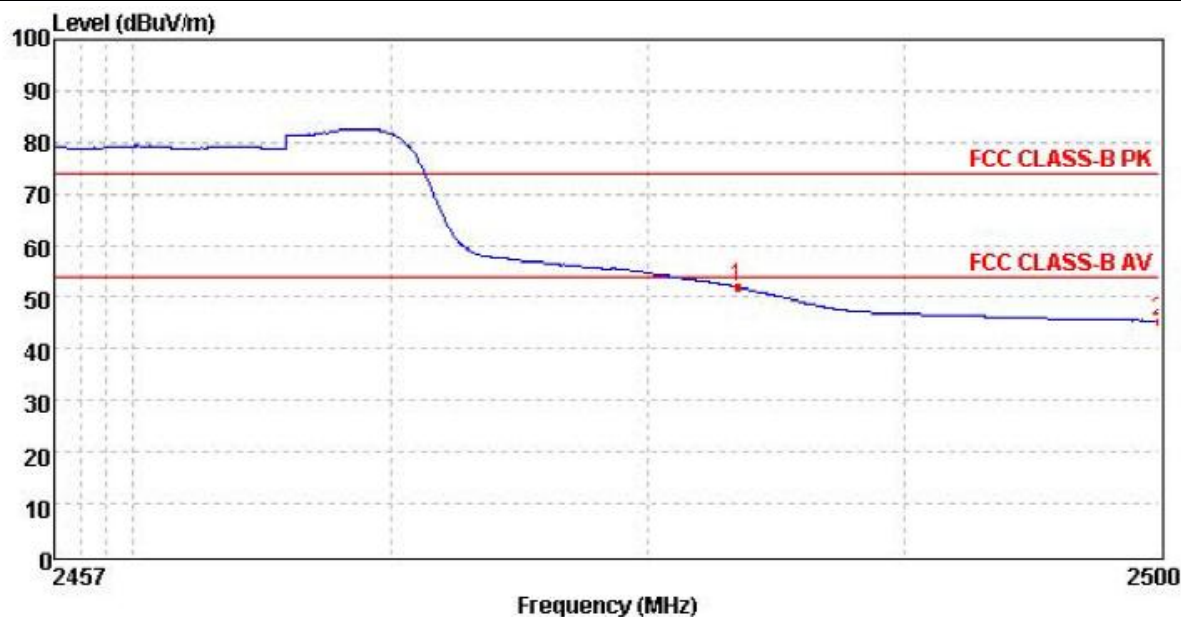


Mark	Frequency MHz	Reading dBUV/m	Antenna dB	Cable dB	Preamp dB	Level dBUV/m	Limit dBUV/m	Over limit	Remark
1	2483.49	19.93	27.26	6.83	0.00	54.02	74.00	-19.98	Peak
2	2500.00	17.59	27.20	6.84	0.00	51.63	74.00	-22.37	Peak

802.11n(HT20)-2462MHz Average:

Polarization:

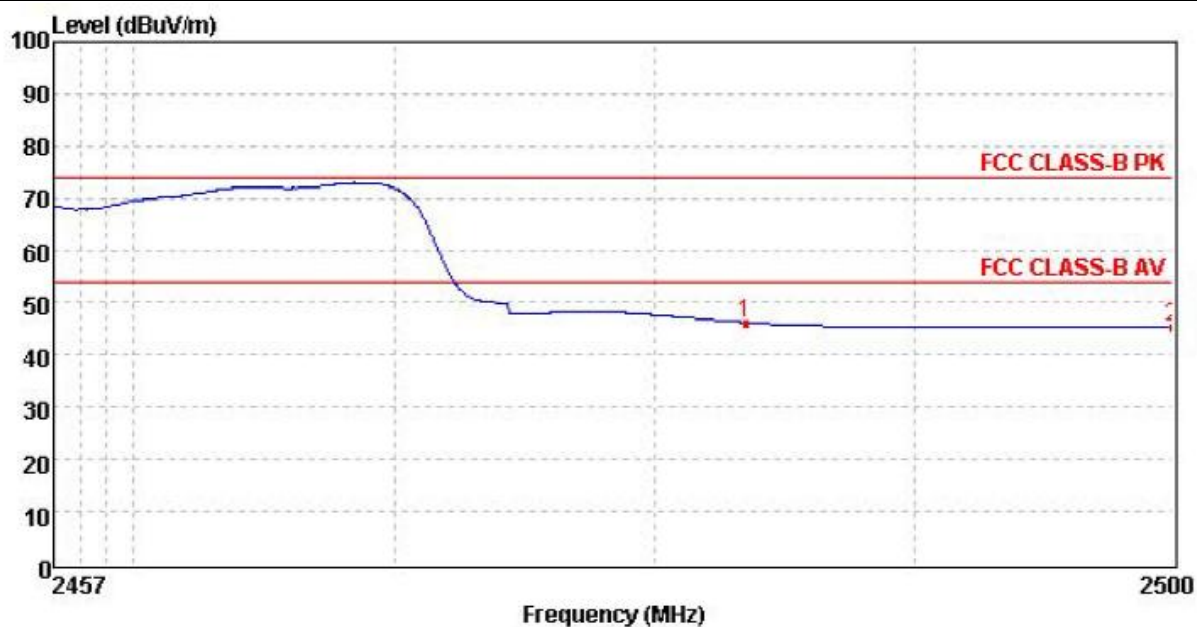
Vertical



Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	17.88	27.26	6.83	0.00	51.97	54.00	-2.03	Average
2	2500.00	11.41	27.20	6.84	0.00	45.45	54.00	-8.55	Average

Polarization:

Horizontal



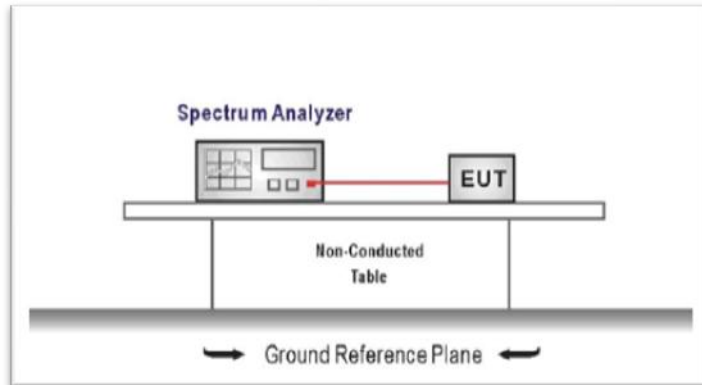
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	12.12	27.26	6.83	0.00	46.21	54.00	-7.79	Average
2	2500.00	11.20	27.20	6.84	0.00	45.24	54.00	-8.76	Average

5.7. Band edge and Spurious Emissions (conducted)

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (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

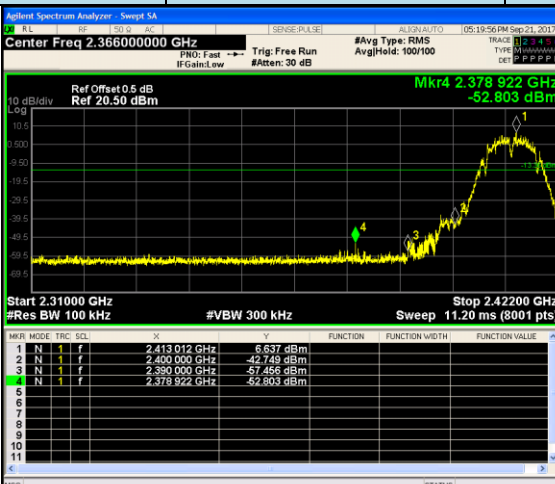
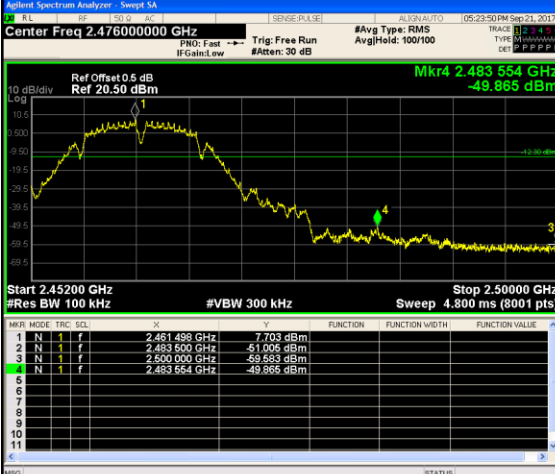
Note: the channel found to contain the maximum PSD level can be used to establish the reference level.
3. Emission level measurement
Set the center frequency and span to encompass frequency range to be measured
RBW = 100 kHz, VBW $\geq 3 \times$ RBW
Detector = peak, Sweep time = auto couple, Trace mode = 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.

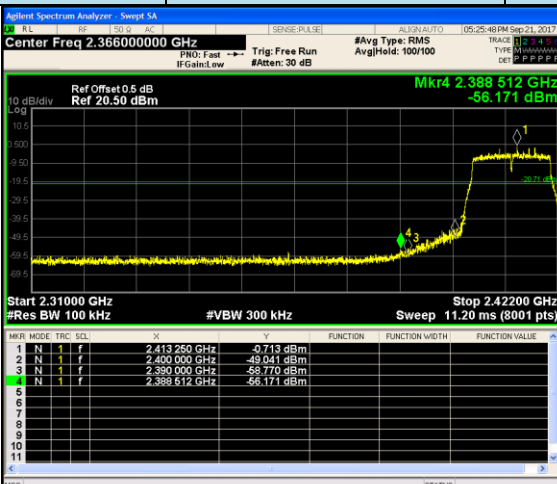
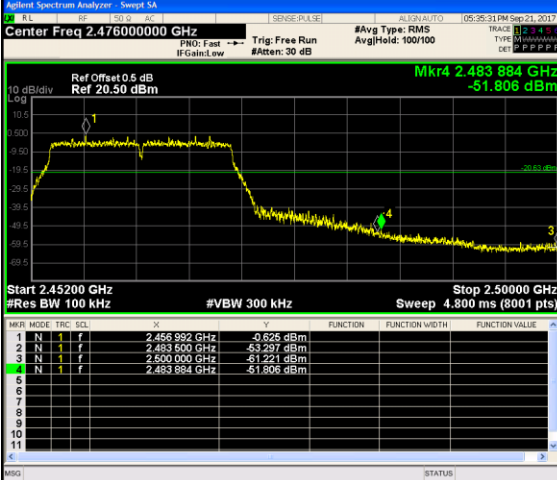
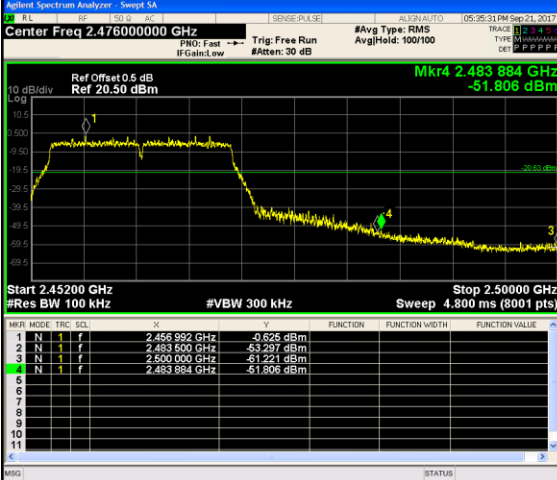
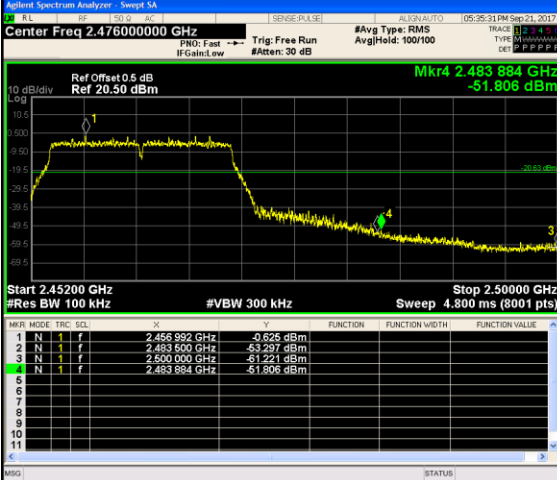
TEST MODE:

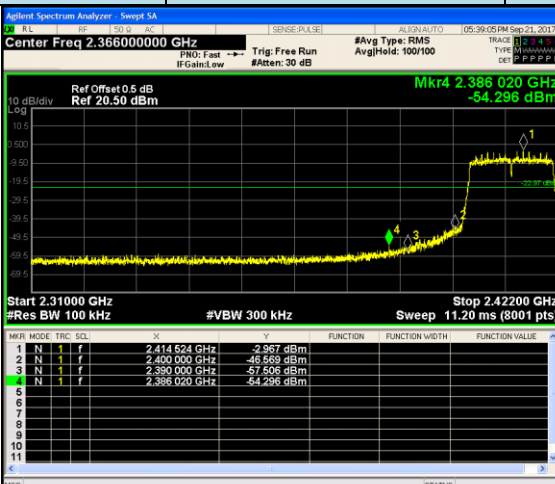
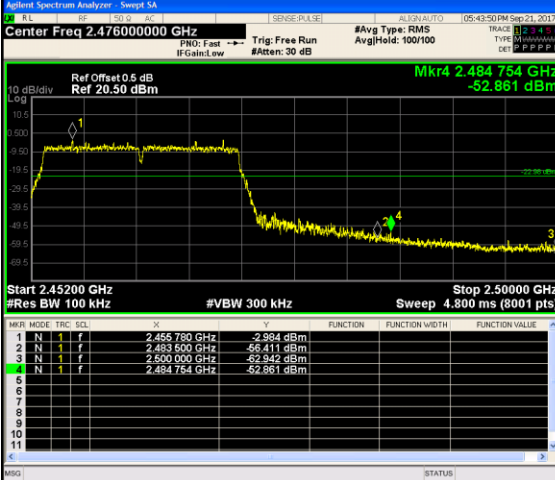
Please refer to the clause 3.3

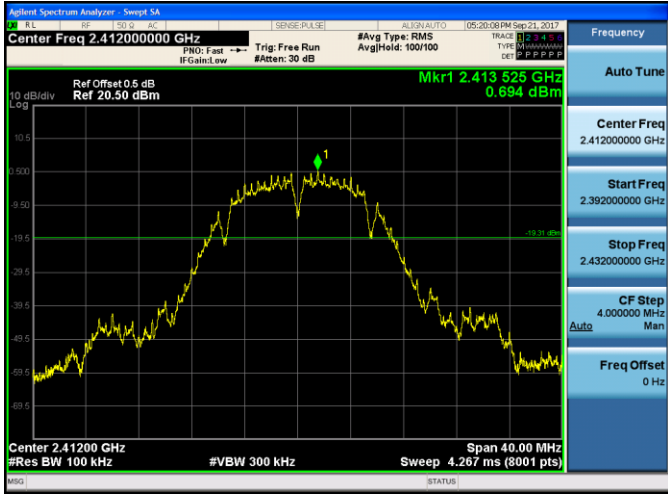
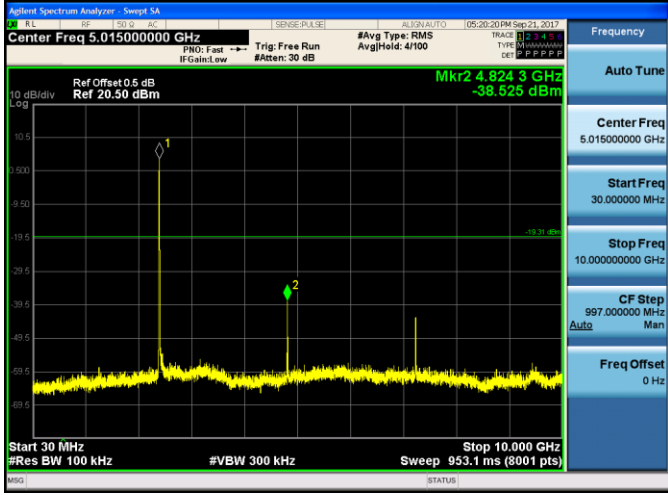
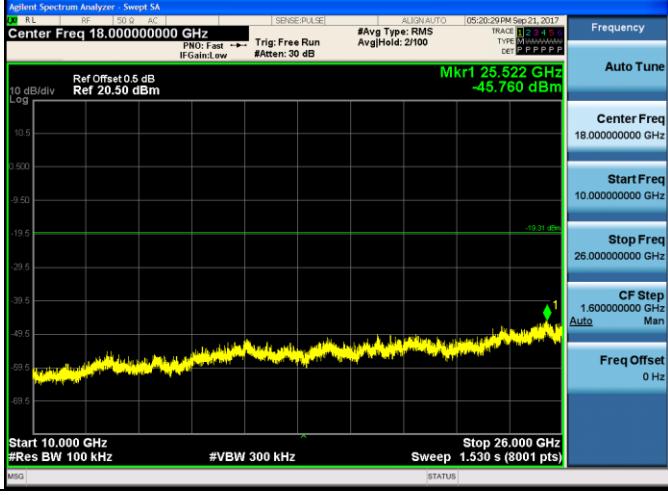
TEST RESULTS

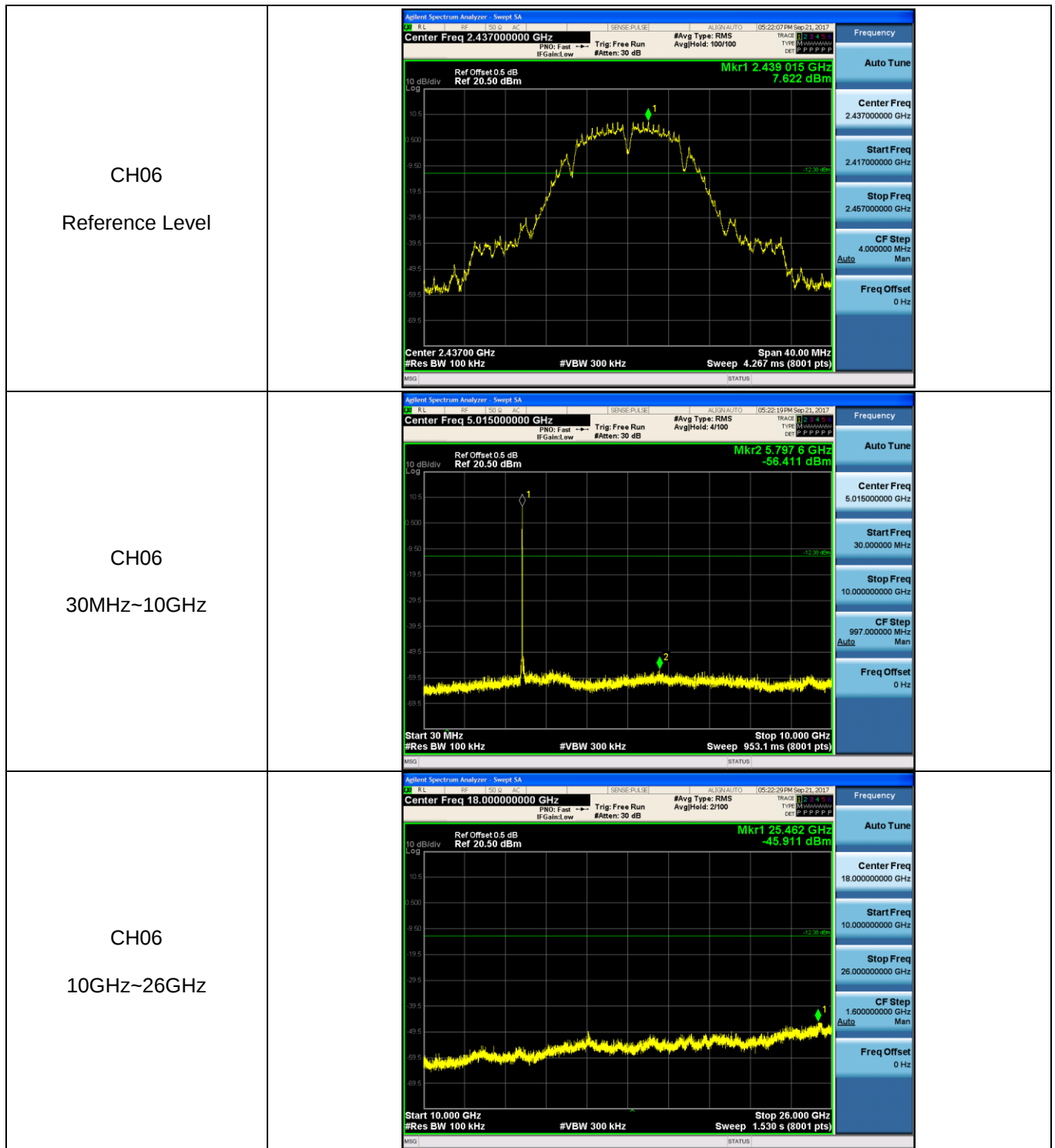
☒ Passed ☐ Not Applicable

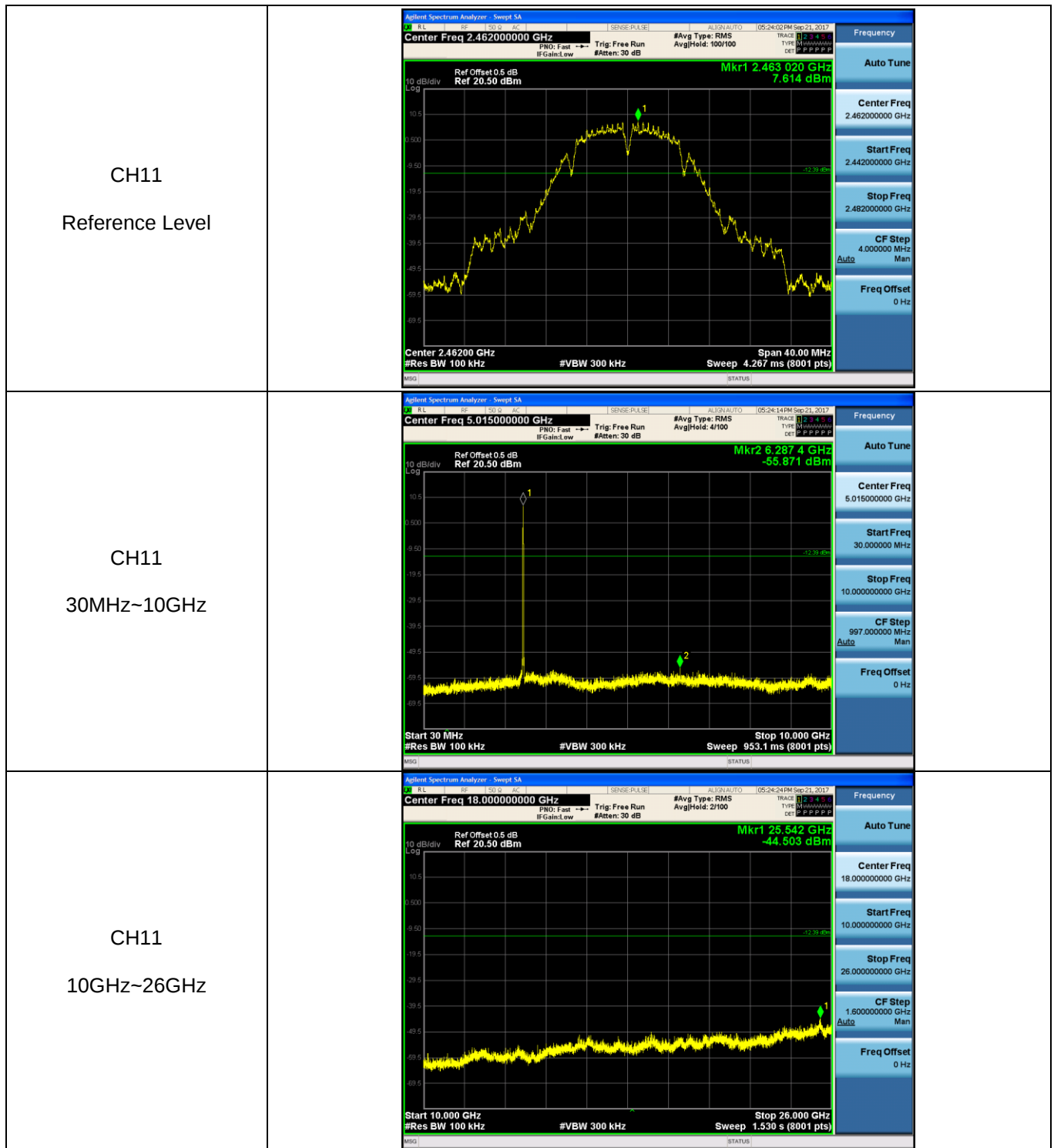
Test Item:	Bandedge	Type:	802.11 b							
CH01		<table><tr><td>Frequency</td></tr><tr><td>Auto Tune</td></tr><tr><td>Center Freq 2.36600000 GHz</td></tr><tr><td>Start Freq 2.31000000 GHz</td></tr><tr><td>Stop Freq 2.42200000 GHz</td></tr><tr><td>CF Step 11.200000 MHz</td></tr><tr><td>Auto</td></tr><tr><td>Freq Offset 0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq 2.36600000 GHz	Start Freq 2.31000000 GHz	Stop Freq 2.42200000 GHz	CF Step 11.200000 MHz	Auto	Freq Offset 0 Hz
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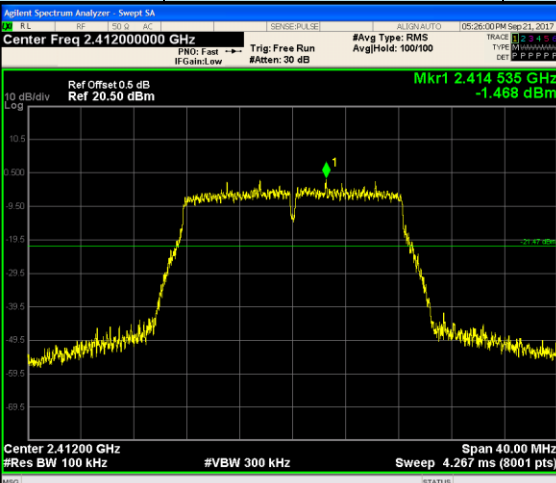
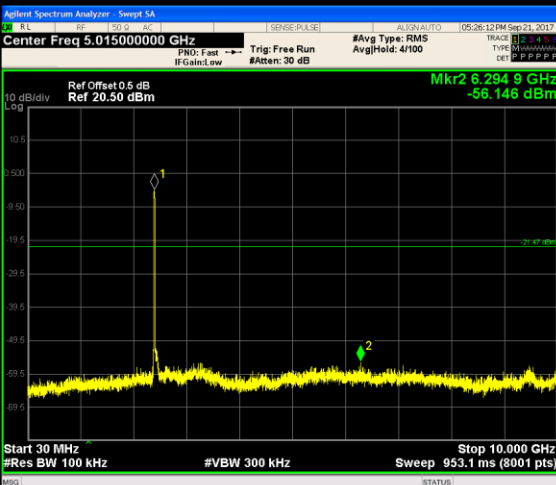
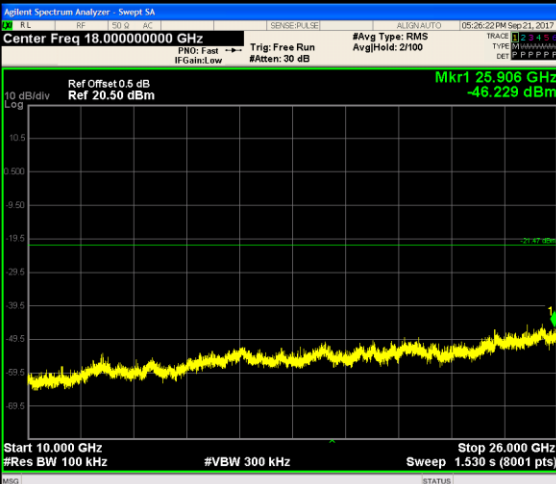
Test Item:	Bandedge	Type:	802.11 g																																																																																									
CH01	 <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.413 250 GHz</td><td>-0.713 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 GHz</td><td>-49.041 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 GHz</td><td>-59.170 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.388 512 GHz</td><td>-56.171 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.413 250 GHz	-0.713 dBm				2	N	1	f	2.400 000 GHz	-49.041 dBm				3	N	1	f	2.390 000 GHz	-59.170 dBm				4	N	1	f	2.388 512 GHz	-56.171 dBm				 <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.456 992 GHz</td><td>-0.625 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 500 GHz</td><td>-53.207 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 000 GHz</td><td>-61.221 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483 884 GHz</td><td>-51.806 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.456 992 GHz	-0.625 dBm				2	N	1	f	2.483 500 GHz	-53.207 dBm				3	N	1	f	2.500 000 GHz	-61.221 dBm				4	N	1	f	2.483 884 GHz	-51.806 dBm			
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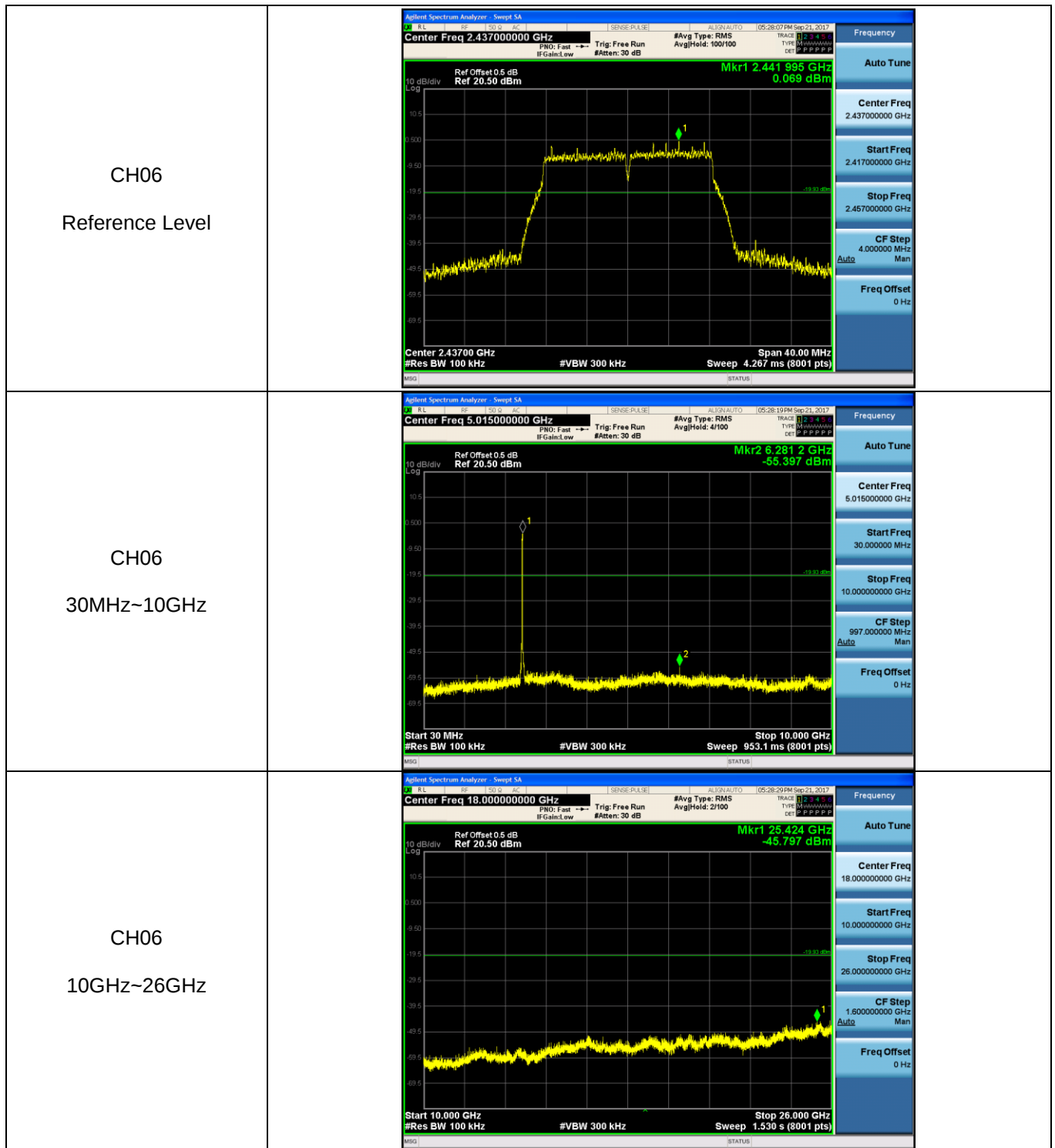
Test Item:	Bandedge	Type:	802.11 n(HT20)																																																																																									
CH01	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.366000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr4 2.386 020 GHz -54.296 dBm Start 2.31000 GHz #Res BW 100 kHz Stop 2.42200 GHz #VBW 300 kHz Sweep 11.20 ms (8001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.414 524 GHz</td><td>-2.967 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 GHz</td><td>-46.569 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 GHz</td><td>-57.595 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.386 020 GHz</td><td>-54.296 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.414 524 GHz	-2.967 dBm				2	N	1	f	2.400 000 GHz	-46.569 dBm				3	N	1	f	2.390 000 GHz	-57.595 dBm				4	N	1	f	2.386 020 GHz	-54.296 dBm				 Agilent Spectrum Analyzer - Swept SA Center Freq 2.476000000 GHz Ref Offset 0.5 dB Ref 20.50 dBm Mkr4 2.484 754 GHz -52.861 dBm Start 2.45200 GHz #Res BW 100 kHz Stop 2.50000 GHz #VBW 300 kHz Sweep 4.800 ms (8001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.456 750 GHz</td><td>-2.984 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.493 500 GHz</td><td>-56.411 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 000 GHz</td><td>-62.842 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.484 754 GHz</td><td>-52.861 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.456 750 GHz	-2.984 dBm				2	N	1	f	2.493 500 GHz	-56.411 dBm				3	N	1	f	2.500 000 GHz	-62.842 dBm				4	N	1	f	2.484 754 GHz	-52.861 dBm			
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4	N	1	f	2.386 020 GHz	-54.296 dBm																																																																																							
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																				
1	N	1	f	2.456 750 GHz	-2.984 dBm																																																																																							
2	N	1	f	2.493 500 GHz	-56.411 dBm																																																																																							
3	N	1	f	2.500 000 GHz	-62.842 dBm																																																																																							
4	N	1	f	2.484 754 GHz	-52.861 dBm																																																																																							
CH11																																																																																												

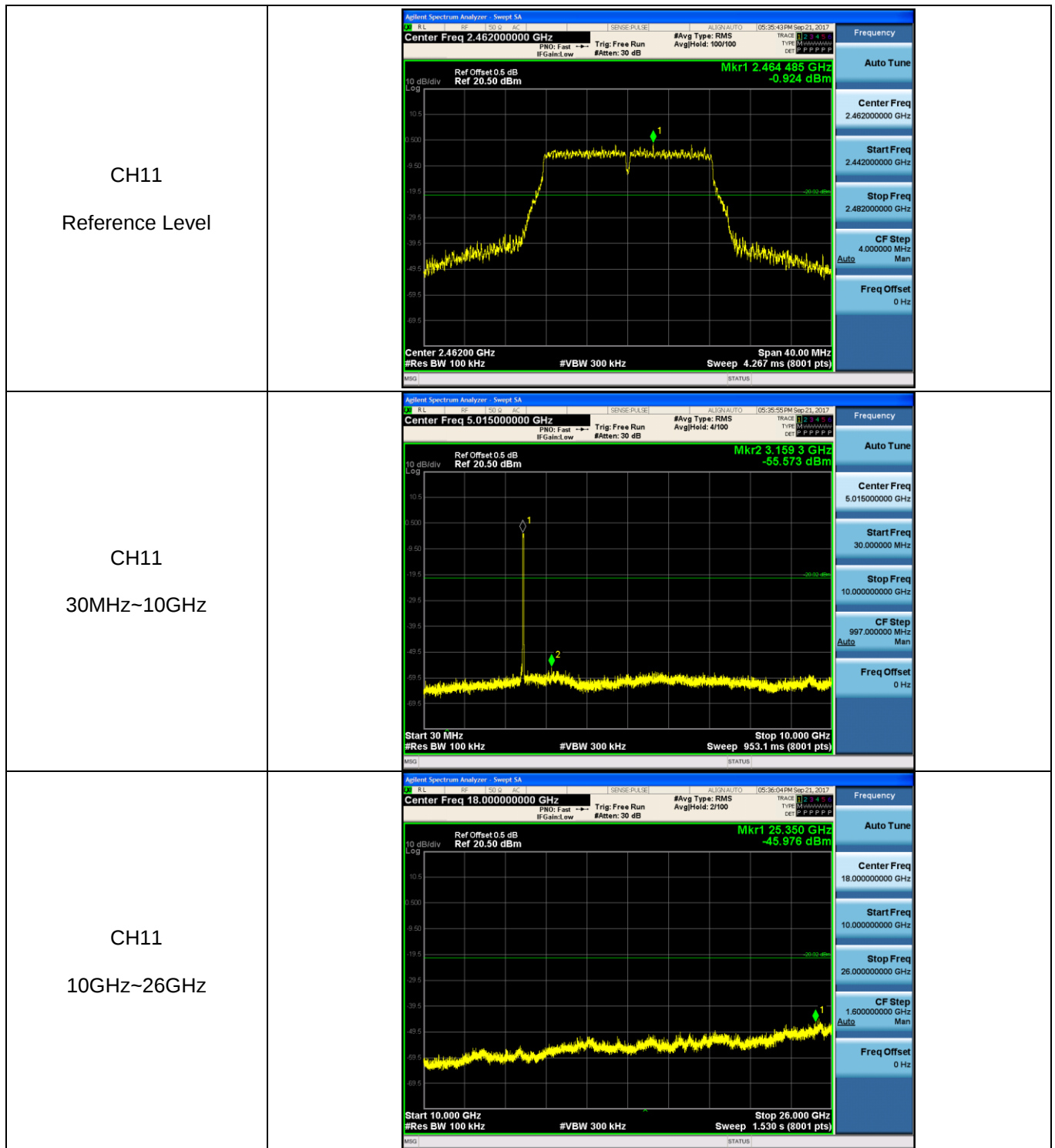
Test Item:	SE	Type:	802.11 b
CH01 Reference Level			Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.392000000 GHz Stop Freq 2.432000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
CH01 30MHz~10GHz			Frequency Auto Tune Center Freq 5.015000000 GHz Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz CF Step 997.000000 MHz Auto Man Freq Offset 0 Hz
CH01 10GHz~26GHz			Frequency Auto Tune Center Freq 18.000000000 GHz Start Freq 10.000000000 GHz Stop Freq 26.000000000 GHz CF Step 1.600000000 GHz Auto Man Freq Offset 0 Hz

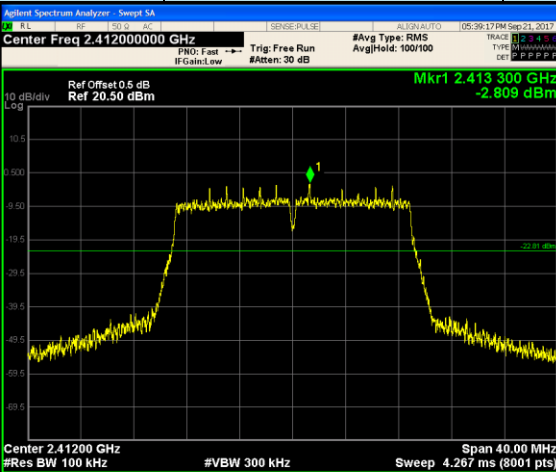
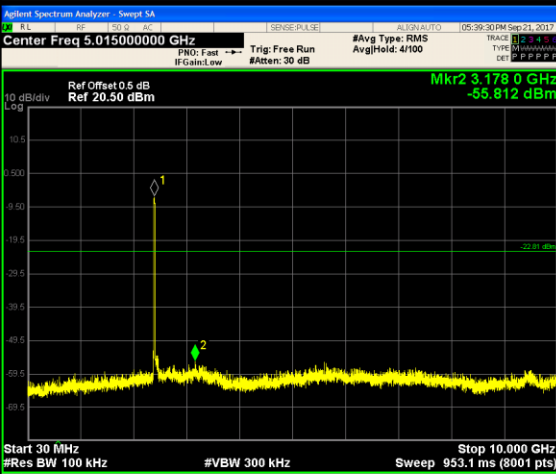
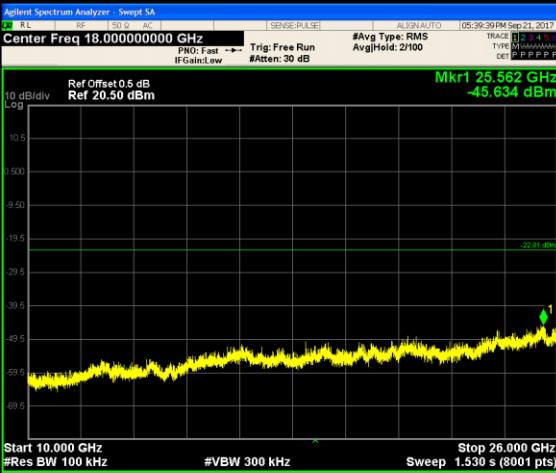


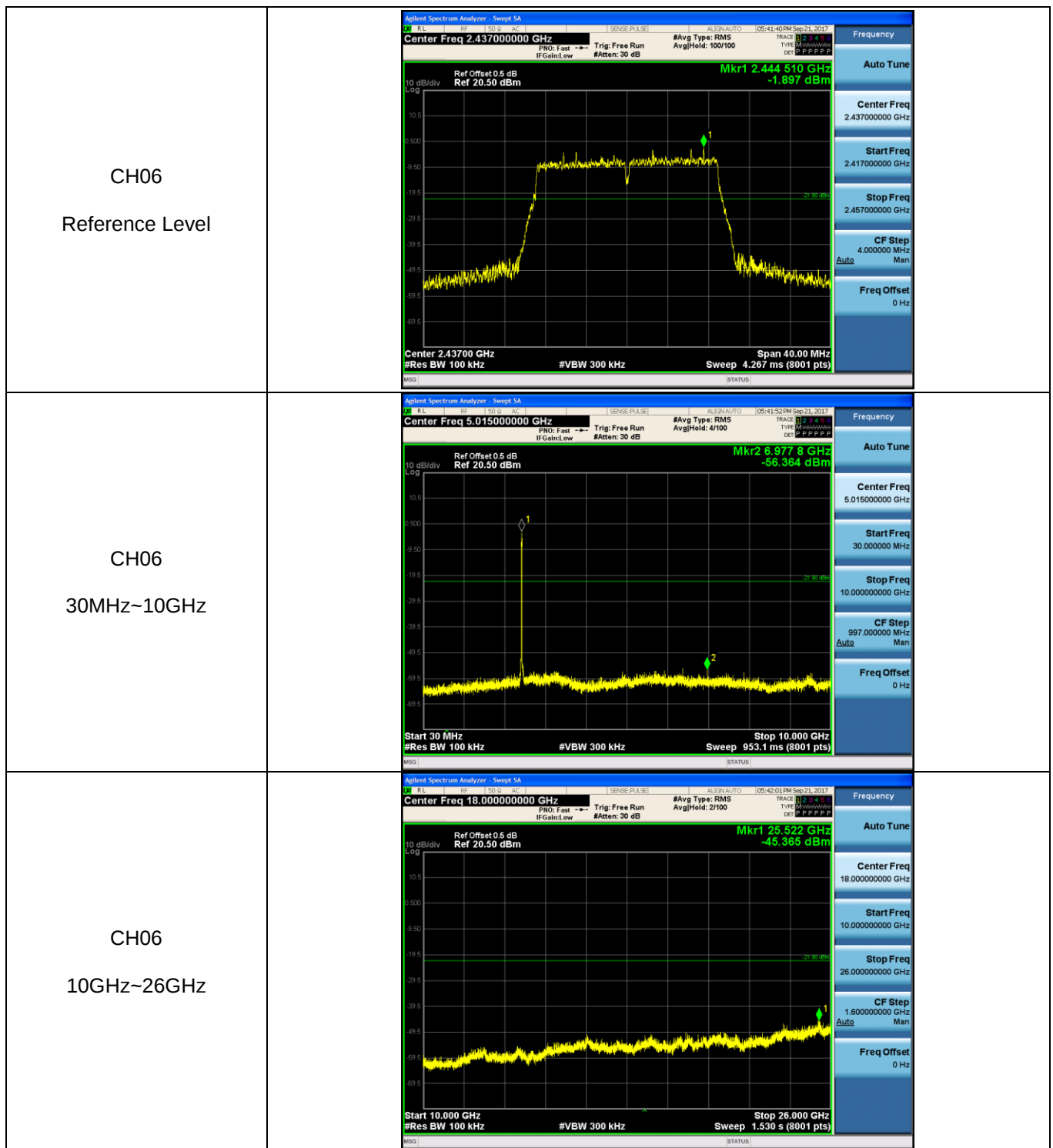


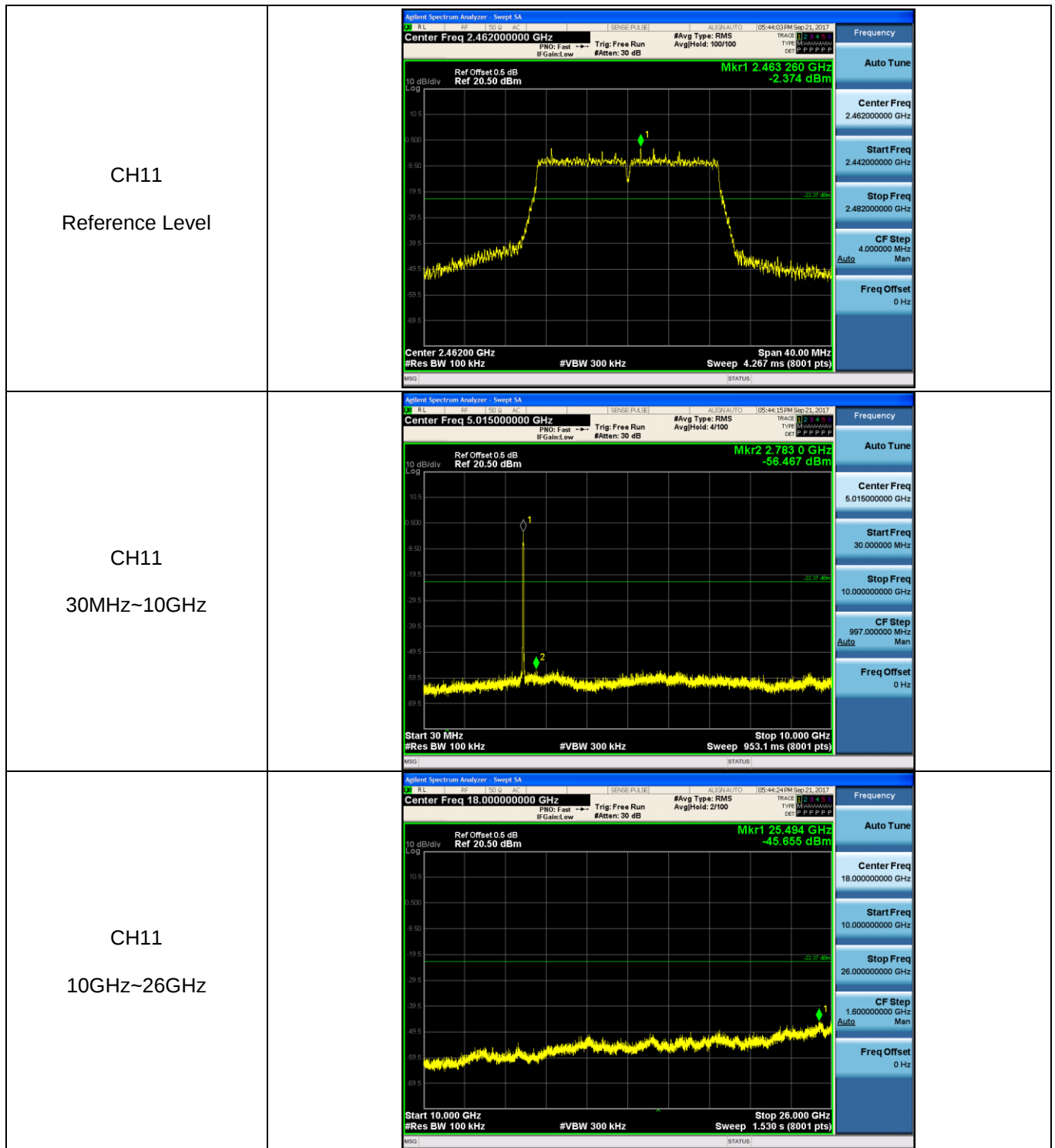
Test Item:	SE	Type:	802.11 g
CH01 Reference Level			Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.392000000 GHz Stop Freq 2.432000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
CH01 30MHz~10GHz			Frequency Auto Tune Center Freq 5.015000000 GHz Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz CF Step 997.000000 MHz Auto Man Freq Offset 0 Hz
CH01 10GHz~26GHz			Frequency Auto Tune Center Freq 18.000000000 GHz Start Freq 10.000000000 GHz Stop Freq 26.000000000 GHz CF Step 1.600000000 GHz Auto Man Freq Offset 0 Hz





Test Item:	SE	Type:	802.11 n(HT20)
CH01 Reference Level			Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.392000000 GHz Stop Freq 2.432000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
CH01 30MHz~10GHz			Frequency Auto Tune Center Freq 5.015000000 GHz Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz CF Step 997.000000 MHz Auto Man Freq Offset 0 Hz
CH01 10GHz~26GHz			Frequency Auto Tune Center Freq 18.000000000 GHz Start Freq 10.000000000 GHz Stop Freq 26.000000000 GHz CF Step 1.600000000 GHz Auto Man Freq Offset 0 Hz





5.8. Spurious Emissions (radiated)

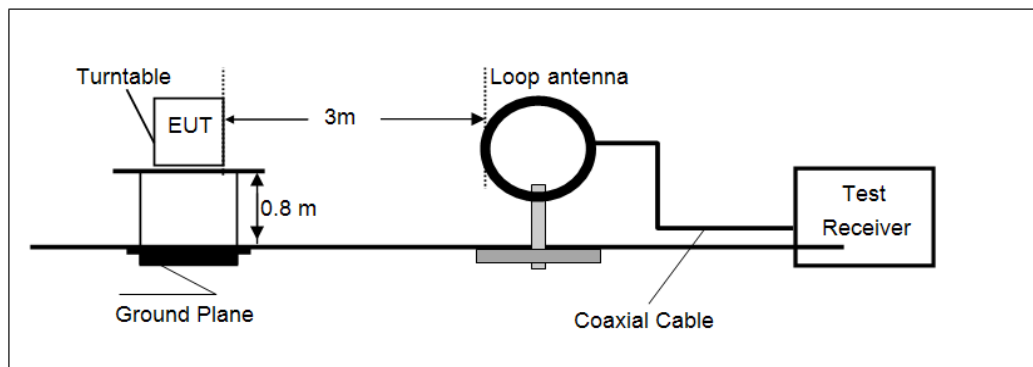
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

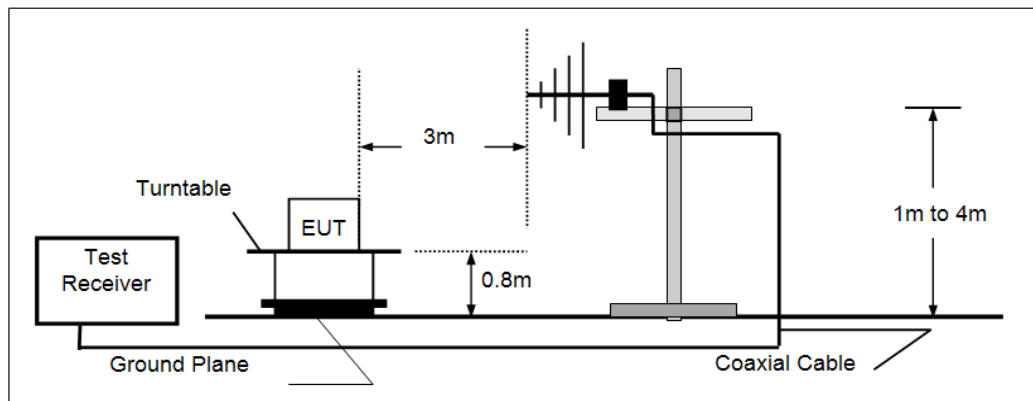
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

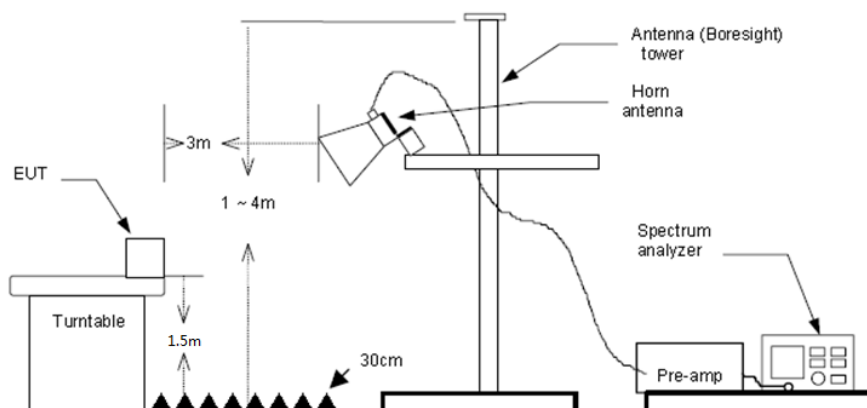
➤ 9kHz ~30MHz



➤ 30MHz ~ 1GHz



➤ Above 1GHz



TEST PROCEDURE

1. The EUT was 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. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna.
5. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1GHz, RBW=120kHz, VBW=300kHz, 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) Above 1GHz, 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.

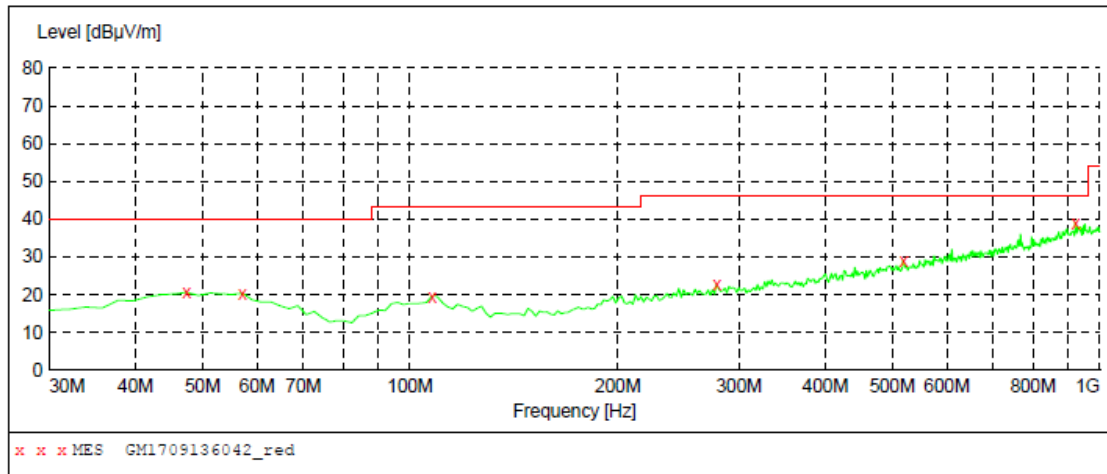
➤ **30MHz ~1000MHz**

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

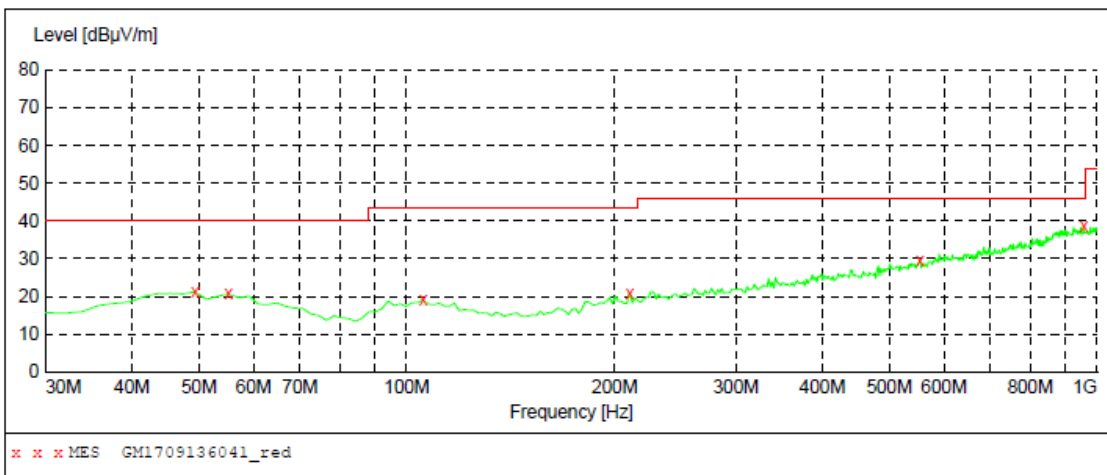
**MEASUREMENT RESULT: "GM1709136042_red"**

9/13/2017 4:23PM

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
47.460000	20.70	-8.8	40.0	19.3	QP	100.0	81.00	VERTICAL
57.160000	20.40	-9.4	40.0	19.6	QP	100.0	212.00	VERTICAL
107.600000	19.60	-10.6	43.5	23.9	QP	100.0	41.00	VERTICAL
278.320000	22.60	-7.8	46.0	23.4	QP	100.0	269.00	VERTICAL
518.880000	29.10	-1.3	46.0	16.9	QP	100.0	14.00	VERTICAL
922.400000	39.00	7.0	46.0	7.0	QP	100.0	269.00	VERTICAL

Polarization:

Horizontal

**MEASUREMENT RESULT: "GM1709136041_red"**

9/13/2017 4:21PM

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	21.20	-8.7	40.0	18.8	QP	300.0	360.00	HORIZONTAL
55.220000	20.70	-9.2	40.0	19.3	QP	100.0	220.00	HORIZONTAL
105.660000	19.10	-10.5	43.5	24.4	QP	300.0	0.00	HORIZONTAL
210.420000	21.00	-10.5	43.5	22.5	QP	300.0	274.00	HORIZONTAL
553.800000	29.50	-0.7	46.0	16.5	QP	100.0	114.00	HORIZONTAL
957.320000	38.70	7.3	46.0	7.3	QP	100.0	156.00	HORIZONTAL

➤ Above 1 GHz

802.11b					CH01				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1809.61	-70.19	25.39	5.97	37.15	-75.98	-32.99	-42.99	Vertical	Peak
3208.66	-70.41	28.75	7.73	38.22	-72.15	-32.99	-39.16	Vertical	Peak
4785.08	-73.34	31.54	9.53	36.98	-69.25	-32.99	-36.26	Vertical	Peak
7451.57	-74.26	36.20	12.24	34.86	-60.68	-32.99	-27.69	Vertical	Peak
2246.74	35.38	27.78	6.52	37.47	32.21	74.00	-41.79	Horizontal	Peak
3489.84	36.77	28.92	8.10	38.42	35.37	74.00	-38.63	Horizontal	Peak
4421.99	34.46	30.54	9.17	37.52	36.65	74.00	-37.35	Horizontal	Peak
6267.19	33.44	33.03	11.00	35.30	42.17	74.00	-31.83	Horizontal	Peak

802.11b					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
2212.68	35.70	27.58	6.46	37.38	32.36	74.00	-41.64	Vertical	Peak
3120.06	36.43	28.80	7.62	38.21	34.64	74.00	-39.36	Vertical	Peak
4676.70	34.69	31.13	9.49	37.13	38.18	74.00	-35.82	Vertical	Peak
6511.12	32.70	34.02	11.20	35.34	42.58	74.00	-31.42	Vertical	Peak
2118.97	36.04	26.85	6.37	37.32	31.94	74.00	-42.06	Horizontal	Peak
3120.06	36.43	28.80	7.62	38.21	34.64	74.00	-39.36	Horizontal	Peak
5034.99	32.77	31.64	9.70	36.37	37.74	74.00	-36.26	Horizontal	Peak
8083.96	32.35	37.02	12.50	34.54	47.33	74.00	-26.67	Horizontal	Peak

802.11b					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
2304.66	36.16	28.08	6.61	37.63	33.22	74.00	-40.78	Vertical	Peak
3088.45	37.33	28.78	7.59	38.22	35.48	74.00	-38.52	Vertical	Peak
4310.85	41.41	30.23	9.05	37.60	43.09	74.00	-30.91	Vertical	Peak
4310.85	41.41	30.23	9.05	37.60	43.09	74.00	-30.91	Vertical	Peak
1732.97	37.77	25.27	5.83	37.00	31.87	74.00	-42.13	Horizontal	Peak
3088.45	37.33	28.78	7.59	38.22	35.48	74.00	-38.52	Horizontal	Peak
4310.85	41.41	30.23	9.05	37.60	43.09	74.00	-30.91	Horizontal	Peak
6851.19	32.77	34.36	11.66	34.94	43.85	74.00	-30.15	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 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)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
2281.32	36.22	27.99	6.57	37.57	33.21	74.00	-40.79	Vertical	Peak
3607.26	35.94	29.30	8.28	38.27	35.25	74.00	-38.75	Vertical	Peak
5099.49	33.92	31.90	9.75	36.30	39.27	74.00	-34.73	Vertical	Peak
7663.17	32.58	36.14	12.89	35.01	46.60	74.00	-27.40	Vertical	Peak
1680.83	36.43	25.14	5.73	36.89	30.41	74.00	-43.59	Horizontal	Peak
3010.83	36.85	28.62	7.49	38.23	34.73	74.00	-39.27	Horizontal	Peak
5112.49	33.74	31.85	9.76	36.29	39.06	74.00	-34.94	Horizontal	Peak
7172.41	32.19	36.04	11.86	35.04	45.05	74.00	-28.95	Horizontal	Peak

802.11g					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1232.12	37.33	26.27	4.71	36.55	31.76	74.00	-42.24	Vertical	Peak
3041.64	37.00	28.68	7.53	38.22	34.99	74.00	-39.01	Vertical	Peak
4920.96	35.74	31.42	9.62	36.62	40.16	74.00	-33.84	Vertical	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	Vertical	Peak
2212.68	36.17	27.58	6.46	37.38	32.83	74.00	-41.17	Horizontal	Peak
3080.60	37.11	28.76	7.58	38.22	35.23	74.00	-38.77	Horizontal	Peak
4920.96	36.76	31.42	9.62	36.62	41.18	74.00	-32.82	Horizontal	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	Horizontal	Peak

802.11g					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Vertical	Peak
3026.20	37.52	28.65	7.51	38.23	35.45	74.00	-38.55	Vertical	Peak
4920.96	39.25	31.42	9.62	36.62	43.67	74.00	-30.33	Vertical	Peak
7376.08	33.05	36.30	12.04	34.85	46.54	74.00	-27.46	Vertical	Peak
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Horizontal	Peak
3634.91	35.55	29.30	8.31	38.26	34.90	74.00	-39.10	Horizontal	Peak
4996.69	34.16	31.50	9.67	36.41	38.92	74.00	-35.08	Horizontal	Peak
6851.19	32.98	34.36	11.66	34.94	44.06	74.00	-29.94	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 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)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
2281.32	36.22	27.99	6.57	37.57	33.21	74.00	-40.79	Vertical	Peak
3607.26	35.94	29.30	8.28	38.27	35.25	74.00	-38.75	Vertical	Peak
5099.49	33.92	31.90	9.75	36.30	39.27	74.00	-34.73	Vertical	Peak
7663.17	32.58	36.14	12.89	35.01	46.60	74.00	-27.40	Vertical	Peak
1680.83	36.43	25.14	5.73	36.89	30.41	74.00	-43.59	Horizontal	Peak
3010.83	36.85	28.62	7.49	38.23	34.73	74.00	-39.27	Horizontal	Peak
5112.49	33.74	31.85	9.76	36.29	39.06	74.00	-34.94	Horizontal	Peak
7172.41	32.19	36.04	11.86	35.04	45.05	74.00	-28.95	Horizontal	Peak

802.11n(HT20)					CH06				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1232.12	37.33	26.27	4.71	36.55	31.76	74.00	-42.24	Vertical	Peak
3041.64	37.00	28.68	7.53	38.22	34.99	74.00	-39.01	Vertical	Peak
4920.96	35.74	31.42	9.62	36.62	40.16	74.00	-33.84	Vertical	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	Vertical	Peak
2212.68	36.17	27.58	6.46	37.38	32.83	74.00	-41.17	Horizontal	Peak
3080.60	37.11	28.76	7.58	38.22	35.23	74.00	-38.77	Horizontal	Peak
4920.96	36.76	31.42	9.62	36.62	41.18	74.00	-32.82	Horizontal	Peak
8527.85	33.11	37.01	12.88	34.43	48.57	74.00	-25.43	Horizontal	Peak

802.11n(HT20)					CH11				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Vertical	Peak
3026.20	37.52	28.65	7.51	38.23	35.45	74.00	-38.55	Vertical	Peak
4920.96	39.25	31.42	9.62	36.62	43.67	74.00	-30.33	Vertical	Peak
7376.08	33.05	36.30	12.04	34.85	46.54	74.00	-27.46	Vertical	Peak
1213.44	37.24	26.29	4.68	36.56	31.65	74.00	-42.35	Horizontal	Peak
3634.91	35.55	29.30	8.31	38.26	34.90	74.00	-39.10	Horizontal	Peak
4996.69	34.16	31.50	9.67	36.41	38.92	74.00	-35.08	Horizontal	Peak
6851.19	32.98	34.36	11.66	34.94	44.06	74.00	-29.94	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 are very lower than the limit and not show in test report.

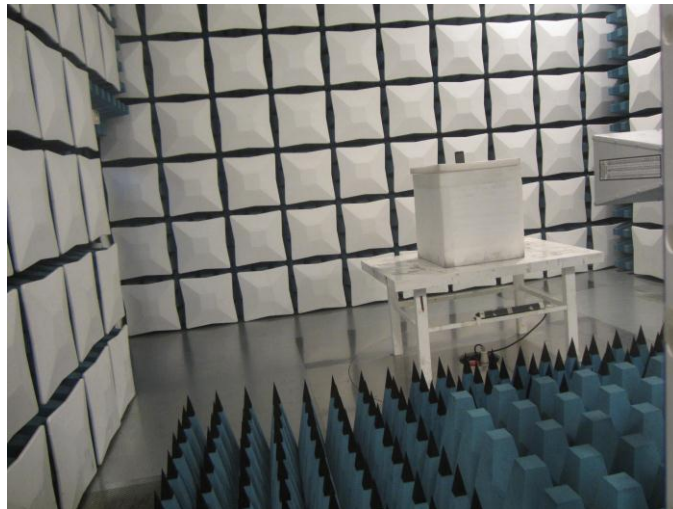
6. TEST SETUP PHOTOS

Conducted Emissions



Radiated Emissions





7. EXTERANAL AND INTERNAL PHOTOS

Reference to Test Report No.: TRE1709004201.

.....End of Report.....