6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

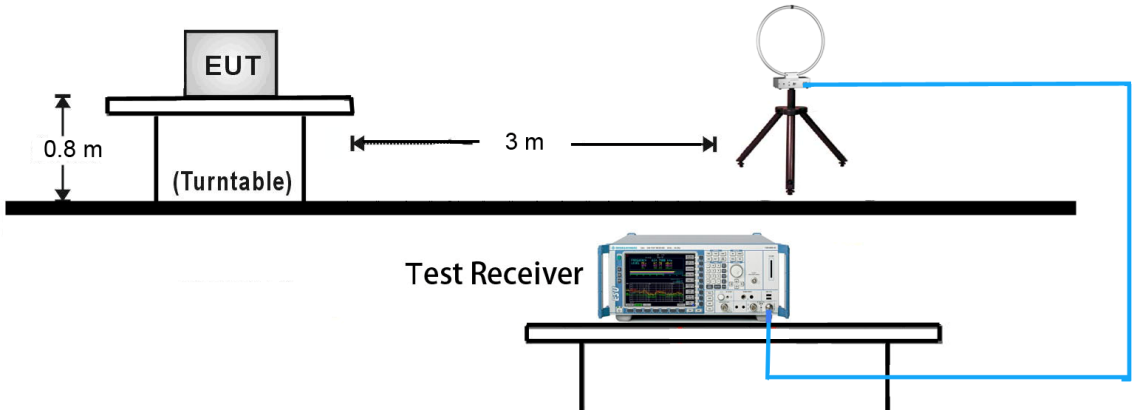
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

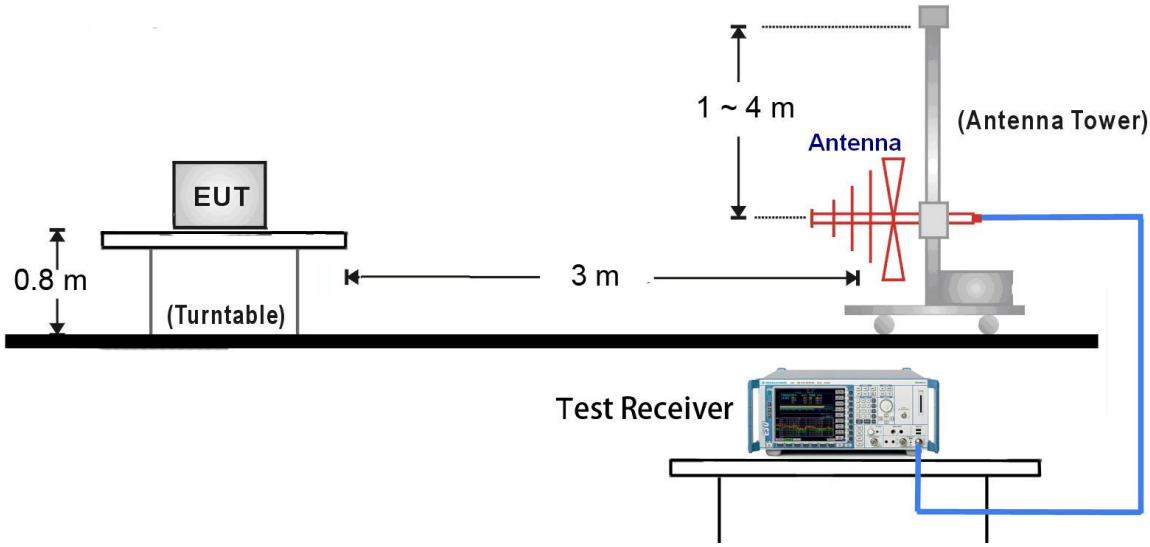
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

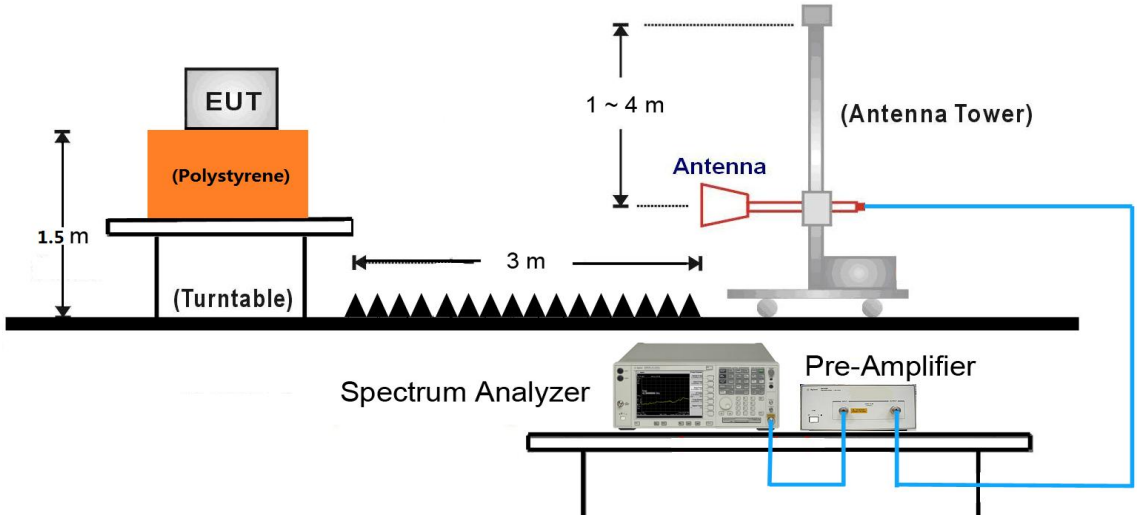
9kHz ~ 30MHz Test Setup:



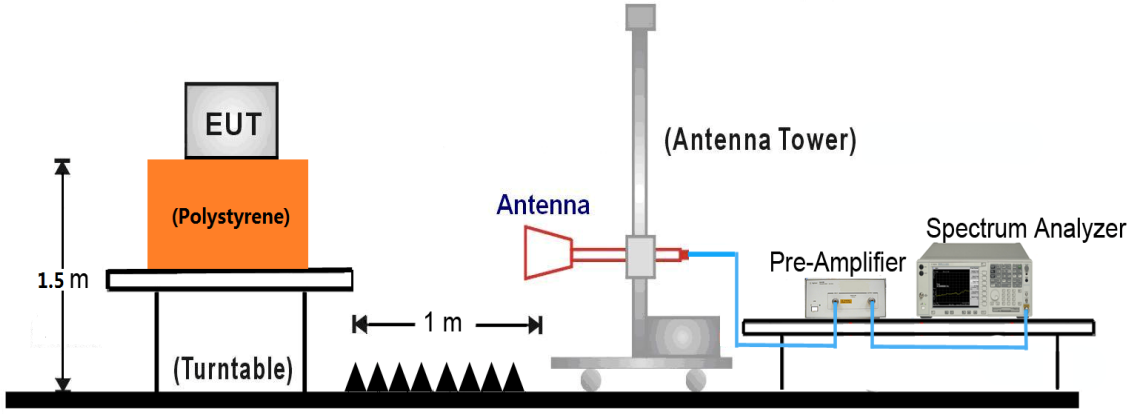
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b	Test Site:	AC2
Test Channel:	01	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6423.0	34.1	6.7	40.8	90.1	-49.3	Peak	Horizontal
*	9627.5	34.3	12.7	47.0	90.1	-43.1	Peak	Horizontal
	12075.5	32.3	17.0	49.3	74.0	-24.7	Peak	Horizontal
	15951.5	33.4	17.2	50.6	74.0	-23.4	Peak	Horizontal
*	6882.0	33.8	8.3	42.1	90.1	-48.0	Peak	Vertical
*	10273.5	32.9	14.4	47.3	90.1	-42.8	Peak	Vertical
	11514.5	32.5	17.4	49.9	74.0	-24.1	Peak	Vertical
	15900.5	33.1	17.5	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (110.1dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11b	Test Site:	AC2
Test Channel:	06	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3490.5	36.9	-1.4	35.5	92.5	-57.0	Peak	Horizontal
*	5190.5	35.6	2.9	38.5	92.5	-54.0	Peak	Horizontal
	7511.0	33.5	11.0	44.5	74.0	-29.5	Peak	Horizontal
	10792.0	32.4	16.0	48.4	74.0	-25.6	Peak	Horizontal
*	3541.5	37.1	-1.2	35.9	92.5	-56.6	Peak	Vertical
*	5556.0	36.2	3.6	39.8	92.5	-52.7	Peak	Vertical
	7647.0	34.0	10.6	44.6	74.0	-29.4	Peak	Vertical
	11098.0	31.7	16.9	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (112.5dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11b	Test Site:	AC2
Test Channel:	11	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6839.5	34.8	8.0	42.8	89.4	-46.6	Peak	Horizontal
*	9636.0	34.1	12.9	47.0	89.4	-42.4	Peak	Horizontal
	11557.0	32.1	17.7	49.8	74.0	-24.2	Peak	Horizontal
	15849.5	32.2	17.0	49.2	74.0	-24.8	Peak	Horizontal
*	6635.5	34.2	7.6	41.8	89.4	-47.6	Peak	Vertical
*	8531.0	33.0	11.0	44.0	89.4	-45.4	Peak	Vertical
	10970.5	30.1	16.5	46.6	74.0	-27.4	Peak	Vertical
	15849.5	32.5	17.0	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11g	Test Site:	AC2
Test Channel:	01	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6916.0	33.8	8.5	42.3	87.9	-45.6	Peak	Horizontal
*	10554.0	33.3	15.3	48.6	87.9	-39.3	Peak	Horizontal
	11548.5	31.7	17.5	49.2	74.0	-24.8	Peak	Horizontal
	15934.5	33.2	17.0	50.2	74.0	-23.8	Peak	Horizontal
*	6227.5	34.6	6.1	40.7	87.9	-47.2	Peak	Vertical
*	8709.5	32.6	11.3	43.9	87.9	-44.0	Peak	Vertical
	11557.0	31.3	17.7	49.0	74.0	-25.0	Peak	Vertical
	15577.5	32.5	17.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.9dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11g	Test Site:	AC2
Test Channel:	06	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3482.0	38.2	-1.5	36.7	98.4	-61.7	Peak	Horizontal
*	5734.5	35.4	4.3	39.7	98.4	-58.7	Peak	Horizontal
	8063.5	34.3	10.9	45.2	74.0	-28.8	Peak	Horizontal
	10877.0	32.6	16.3	48.9	74.0	-25.1	Peak	Horizontal
*	3550.0	36.8	-1.2	35.6	98.4	-62.8	Peak	Vertical
*	5896.0	34.2	5.1	39.3	98.4	-59.1	Peak	Vertical
	7613.0	33.9	10.8	44.7	74.0	-29.3	Peak	Vertical
	11004.5	32.0	16.5	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.4dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11g	Test Site:	AC2
Test Channel:	11	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6414.5	34.2	6.7	40.9	86.8	-45.9	Peak	Horizontal
*	9636.0	33.7	12.9	46.6	86.8	-40.2	Peak	Horizontal
	11472.0	31.5	17.1	48.6	74.0	-25.4	Peak	Horizontal
	15849.5	32.0	17.0	49.0	74.0	-25.0	Peak	Horizontal
*	7043.5	32.7	9.6	42.3	86.8	-44.5	Peak	Vertical
*	8964.5	33.2	11.6	44.8	86.8	-42.0	Peak	Vertical
	11633.5	31.2	17.4	48.6	74.0	-25.4	Peak	Vertical
	15560.5	32.4	17.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (106.8dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC2
Test Channel:	01	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	33.1	10.6	43.7	86.0	-42.3	Peak	Horizontal
*	10579.5	32.7	15.4	48.1	86.0	-37.9	Peak	Horizontal
	11591.0	32.3	16.9	49.2	74.0	-24.8	Peak	Horizontal
	15943.0	32.8	17.1	49.9	74.0	-24.1	Peak	Horizontal
*	7052.0	32.8	9.8	42.6	86.0	-43.4	Peak	Vertical
*	9687.0	33.4	12.5	45.9	86.0	-40.1	Peak	Vertical
	12058.5	32.3	17.1	49.4	74.0	-24.6	Peak	Vertical
	15501.0	33.2	17.6	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.0dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC2
Test Channel:	06	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3490.5	37.1	-1.4	35.7	89.2	-53.5	Peak	Horizontal
*	5615.5	35.9	3.7	39.6	89.2	-49.6	Peak	Horizontal
	7281.5	33.9	10.6	44.5	74.0	-29.5	Peak	Horizontal
	11548.5	31.7	17.5	49.2	74.0	-24.8	Peak	Horizontal
*	3431.0	38.3	-1.9	36.4	89.2	-52.8	Peak	Vertical
*	6261.5	34.5	6.2	40.7	89.2	-48.5	Peak	Vertical
	7519.5	33.3	10.9	44.2	74.0	-29.8	Peak	Vertical
	10826.0	32.2	16.3	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.2dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC2
Test Channel:	11	Test Engineer:	Bruce Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7060.5	32.8	9.9	42.7	88.0	-45.3	Peak	Horizontal
*	9644.5	33.9	12.7	46.6	88.0	-41.4	Peak	Horizontal
	11582.5	31.7	17.2	48.9	74.0	-25.1	Peak	Horizontal
	15951.5	33.4	17.2	50.6	74.0	-23.4	Peak	Horizontal
*	7171.0	34.0	10.5	44.5	88.0	-43.5	Peak	Vertical
*	10146.0	33.2	13.8	47.0	88.0	-41.0	Peak	Vertical
	11540.0	31.9	17.3	49.2	74.0	-24.8	Peak	Vertical
	16002.5	33.8	17.2	51.0	74.0	-23.0	Peak	Vertical

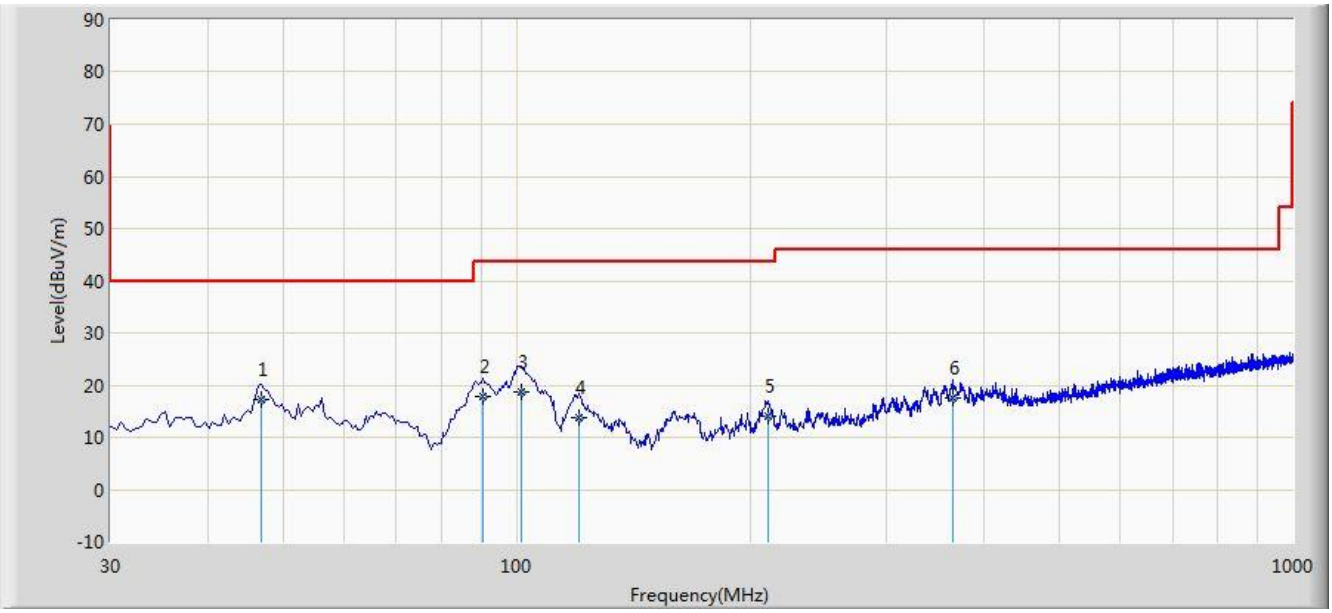
Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (108.0dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The worst case of Radiated Emission:

Site: AC2	Time: 2017/05/27 - 01:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11b at channel 2412MHz	



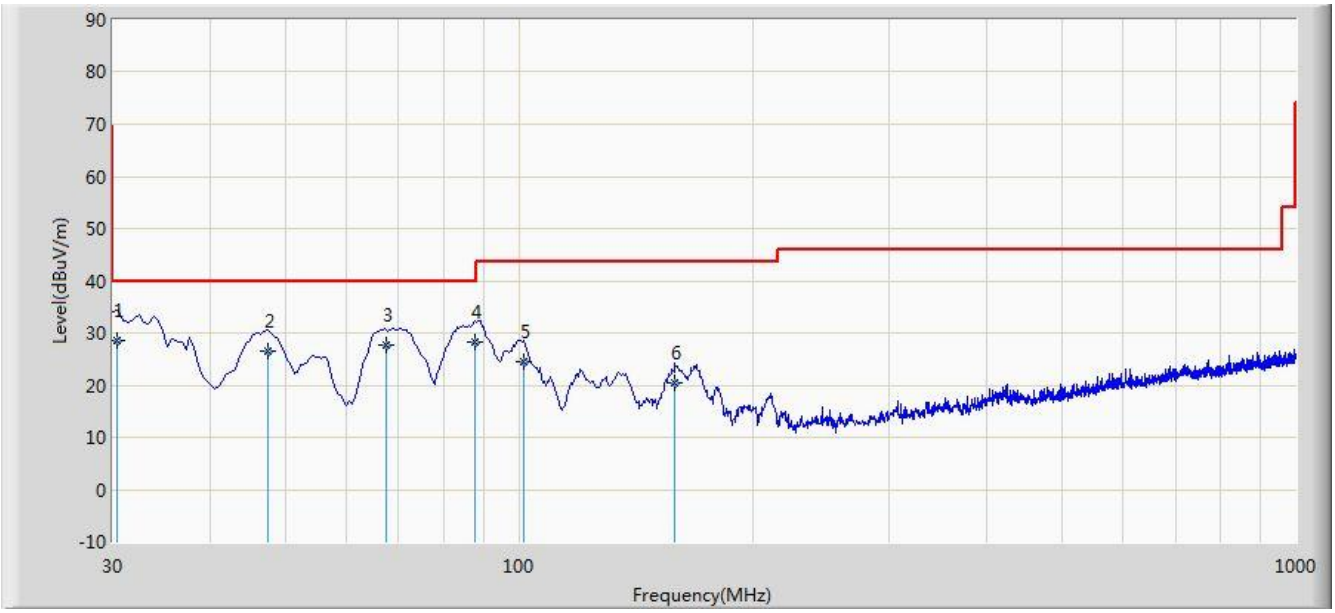
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	46.880	17.292	2.310	-22.708	40.000	14.982	QP
2			90.620	17.716	6.320	-25.784	43.500	11.395	QP
3			101.300	18.769	5.620	-24.731	43.500	13.149	QP
4			120.230	13.780	2.530	-29.720	43.500	11.250	QP
5			210.920	14.112	1.650	-29.388	43.500	12.462	QP
6			364.580	17.644	1.560	-28.356	46.000	16.084	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC2	Time: 2017/05/27 - 01:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11b at channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.460	28.595	16.450	-11.405	40.000	12.146	QP
2			47.530	26.500	11.530	-13.500	40.000	14.970	QP
3			67.380	27.603	15.850	-12.397	40.000	11.753	QP
4			87.780	28.323	17.630	-11.677	40.000	10.693	QP
5			101.320	24.582	11.430	-18.918	43.500	13.152	QP
6			159.000	20.526	10.720	-22.974	43.500	9.806	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

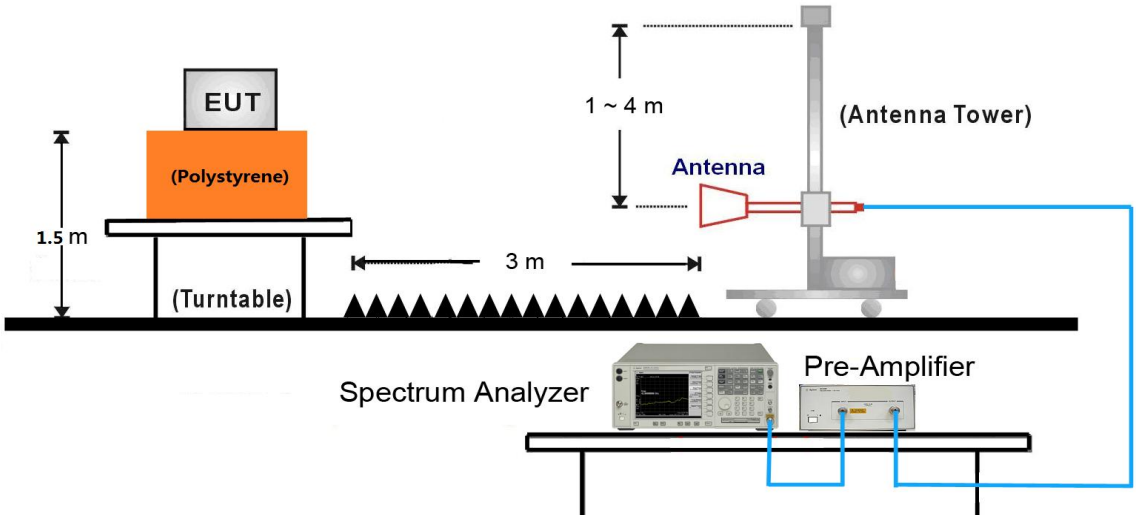
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits per Section FCC 15.209.

7.7.2. Test Procedure Used

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

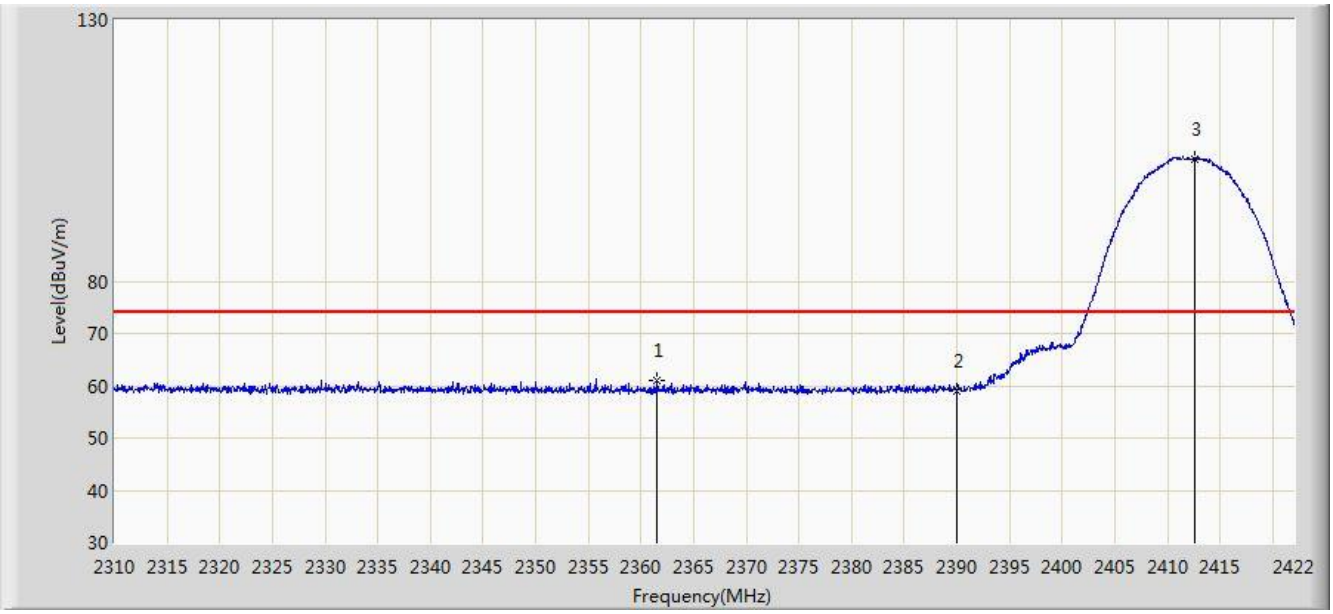
KDB 558074 D01v04 - Section 12.2.5 (average power measurements)

7.7.3. Test Setup



7.7.4. Test Result

Site: AC2	Time: 2017/05/10 - 20:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

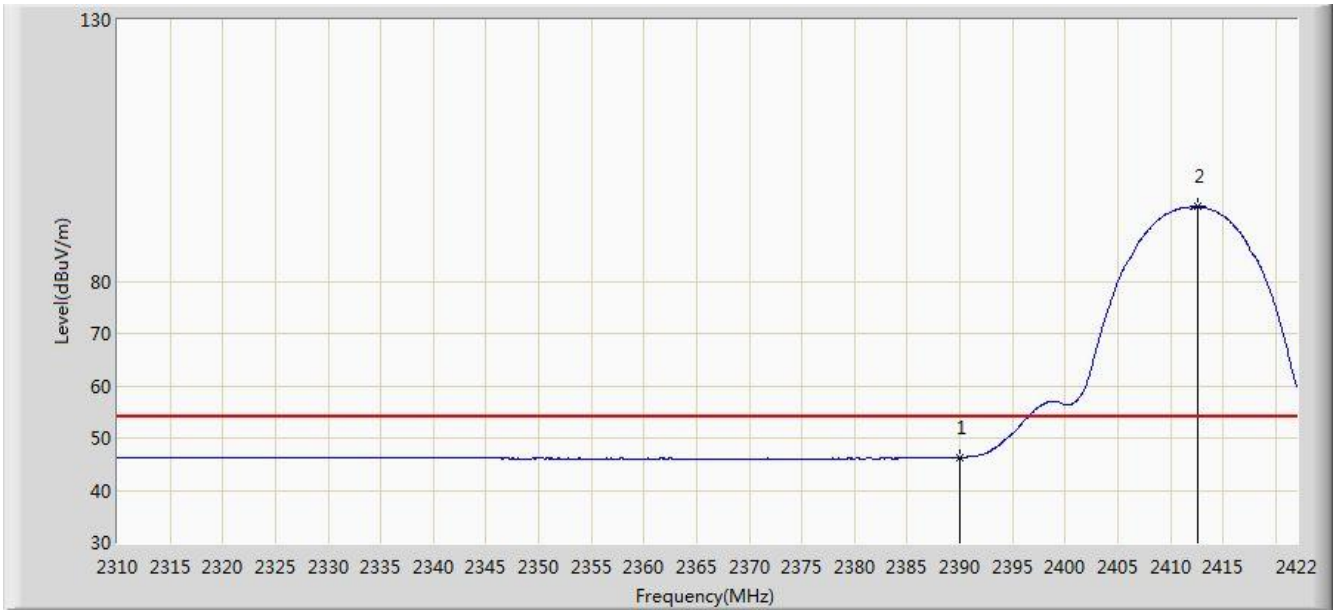


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2361.576	60.963	28.717	-13.037	74.000	32.246	PK
2			2390.000	58.864	26.586	-15.136	74.000	32.278	PK
3		*	2412.536	103.301	71.064	N/A	N/A	32.238	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 20:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

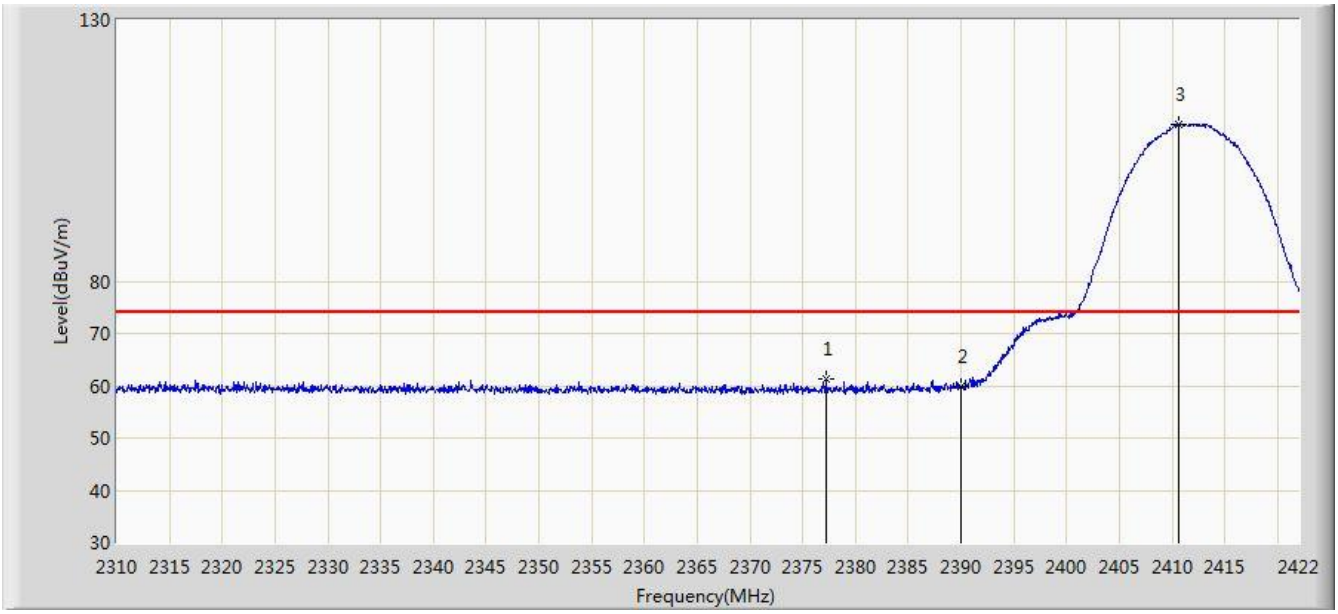


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.307	14.029	-7.693	54.000	32.278	AV
2		*	2412.592	94.308	62.071	N/A	N/A	32.238	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 20:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

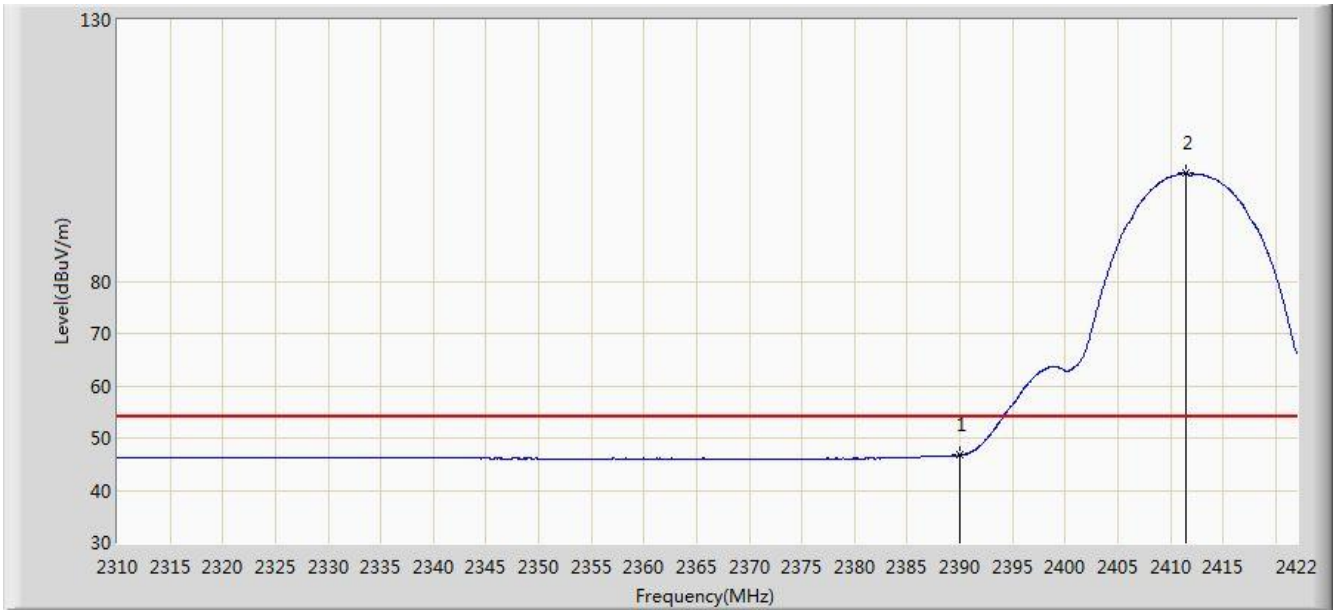


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2377.200	61.340	29.133	-12.660	74.000	32.207	PK
2			2390.000	59.921	27.643	-14.079	74.000	32.278	PK
3		*	2410.576	110.138	77.893	N/A	N/A	32.245	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 20:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.763	14.485	-7.237	54.000	32.278	AV
2		*	2411.472	100.680	68.438	N/A	N/A	32.242	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

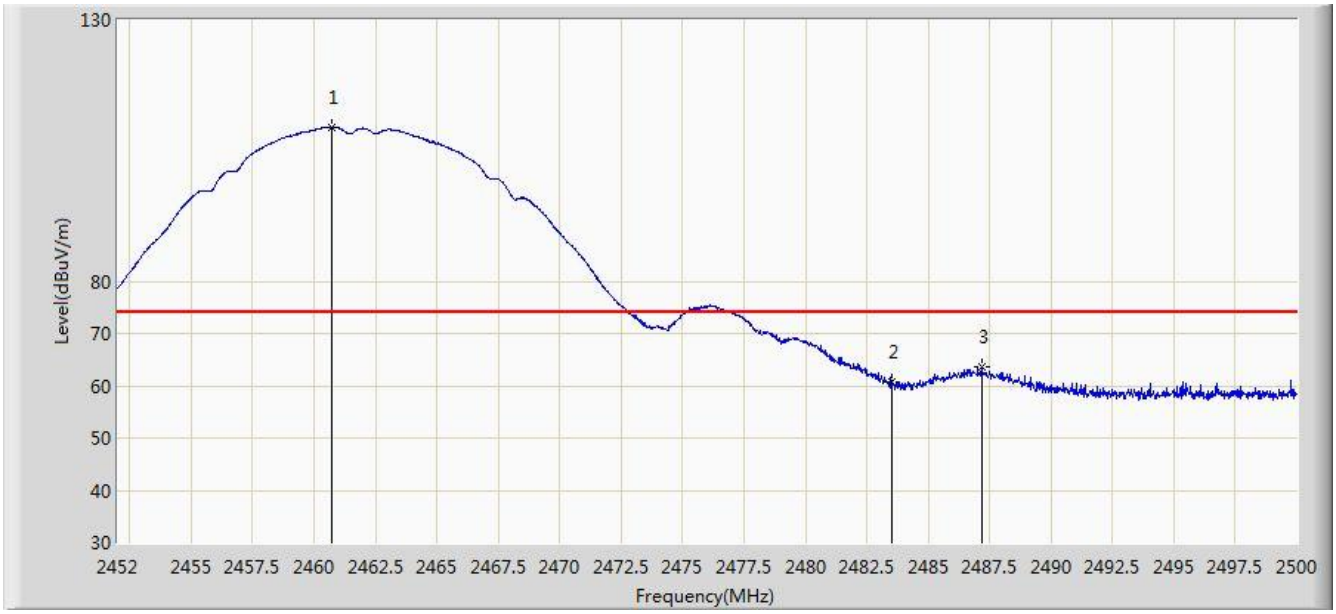
Site: AC2	Time: 2017/05/10 - 21:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	106.064	73.829	N/A	N/A	32.235	AV
2			2483.500	49.060	16.779	-4.940	54.000	32.282	AV
3			2487.136	53.176	20.882	-0.824	54.000	32.294	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

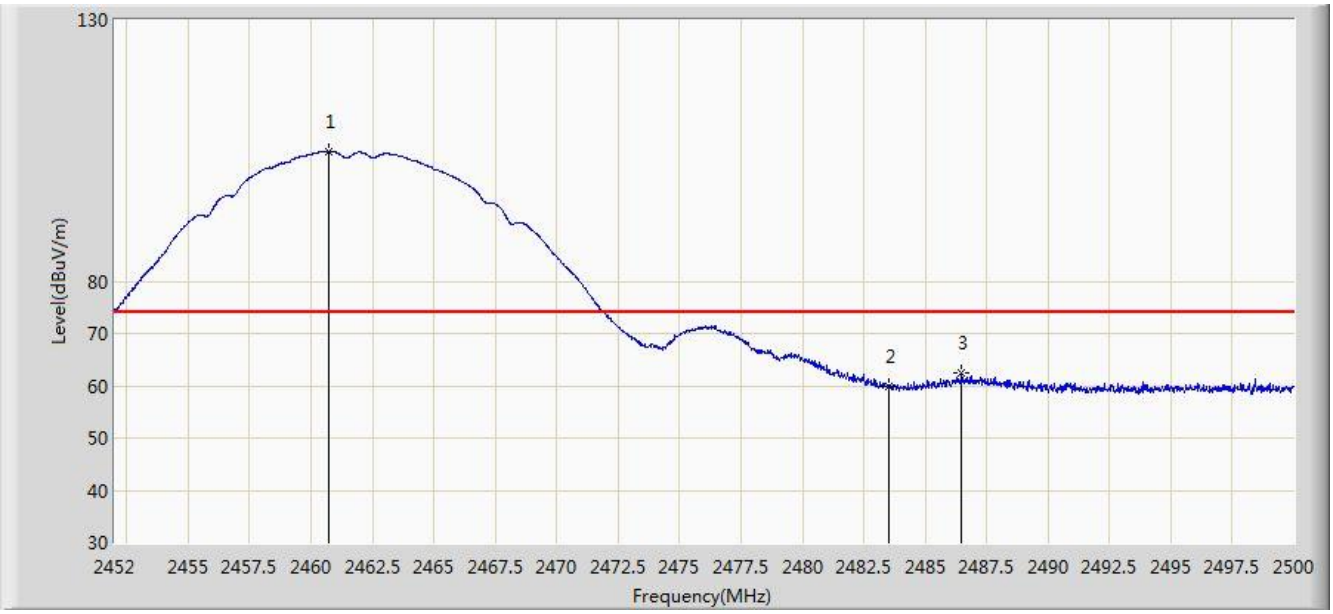


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.712	109.442	77.209	N/A	N/A	32.232	PK
2			2483.500	60.798	28.517	-13.202	74.000	32.282	PK
3			2487.160	63.491	31.197	-10.509	74.000	32.294	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.736	104.838	72.605	N/A	N/A	32.233	PK
2			2483.500	59.901	27.620	-14.099	74.000	32.282	PK
3			2486.488	62.421	30.129	-11.579	74.000	32.292	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

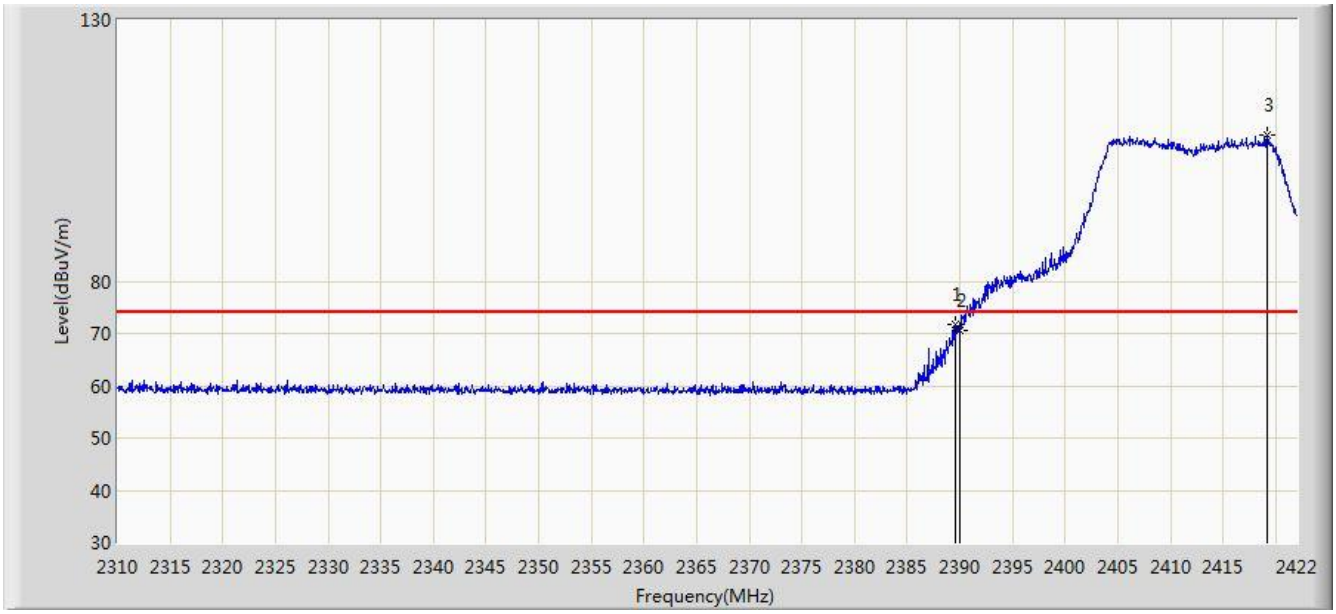
Site: AC2	Time: 2017/05/10 - 21:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.192	101.413	69.178	N/A	N/A	32.235	AV
2			2483.500	47.370	15.089	-6.630	54.000	32.282	AV
3			2486.896	49.497	17.204	-4.503	54.000	32.293	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

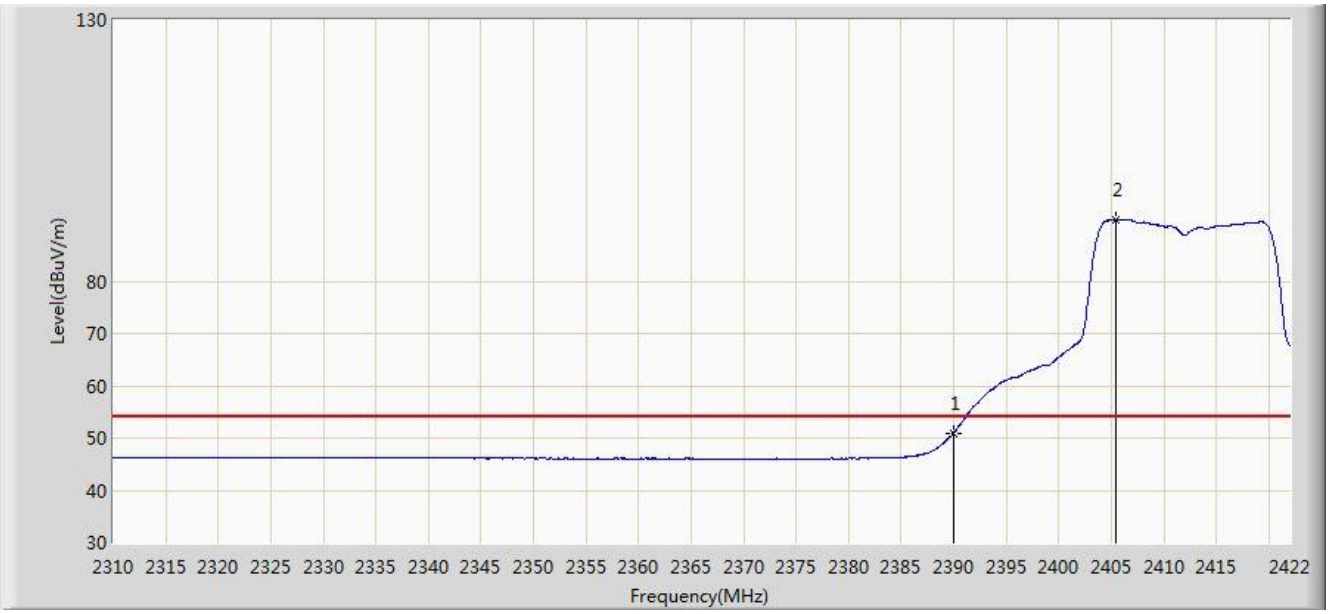


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.576	71.860	39.584	-2.140	74.000	32.276	PK
2			2390.000	70.622	38.344	-3.378	74.000	32.278	PK
3		*	2419.144	107.917	75.707	N/A	N/A	32.210	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

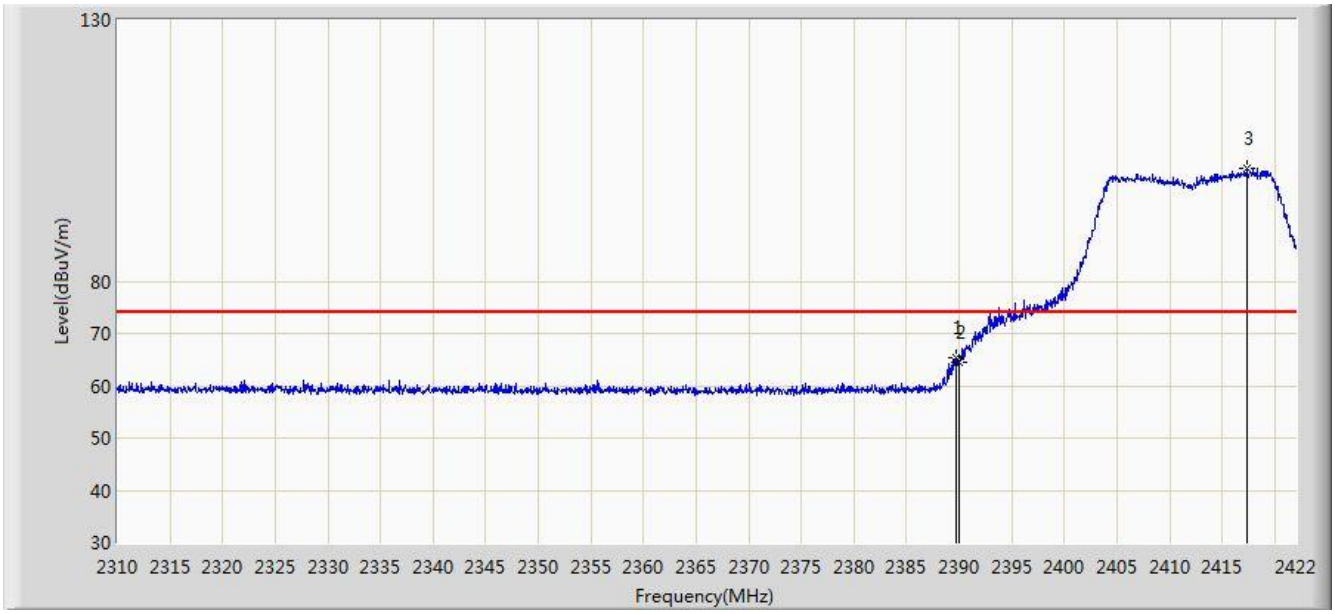


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.979	18.701	-3.021	54.000	32.278	AV
2		*	2405.424	91.855	59.593	N/A	N/A	32.262	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

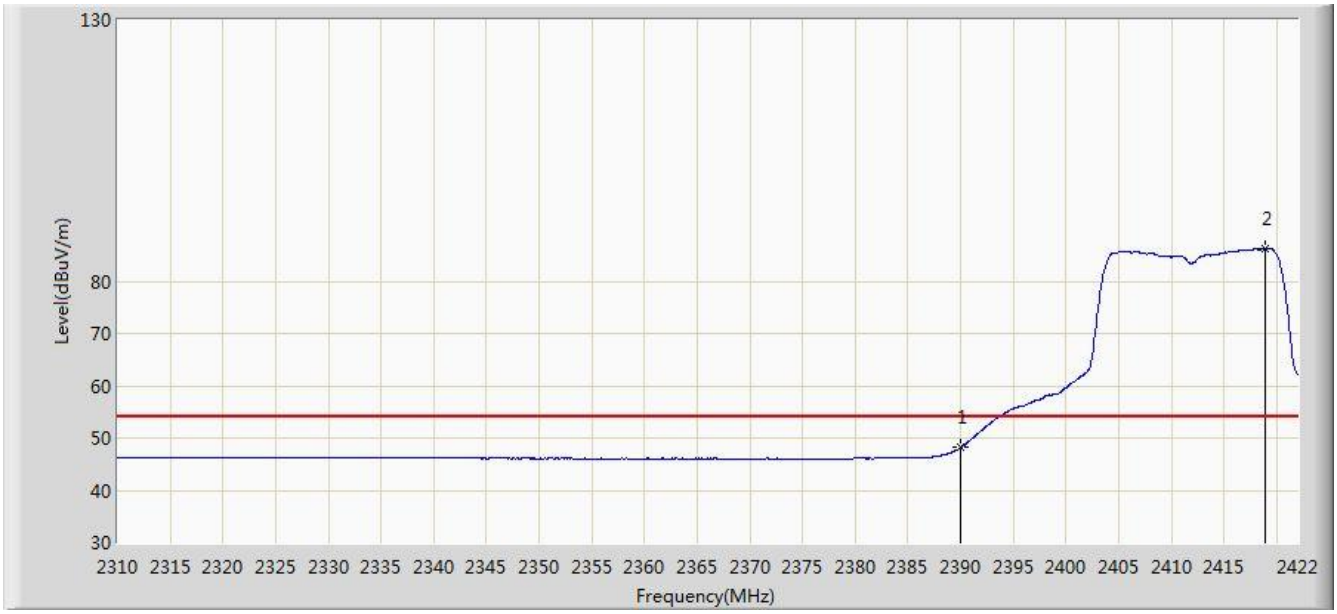


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.688	65.236	32.960	-8.764	74.000	32.277	PK
2			2390.000	64.494	32.216	-9.506	74.000	32.278	PK
3		*	2417.352	101.493	69.276	N/A	N/A	32.217	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

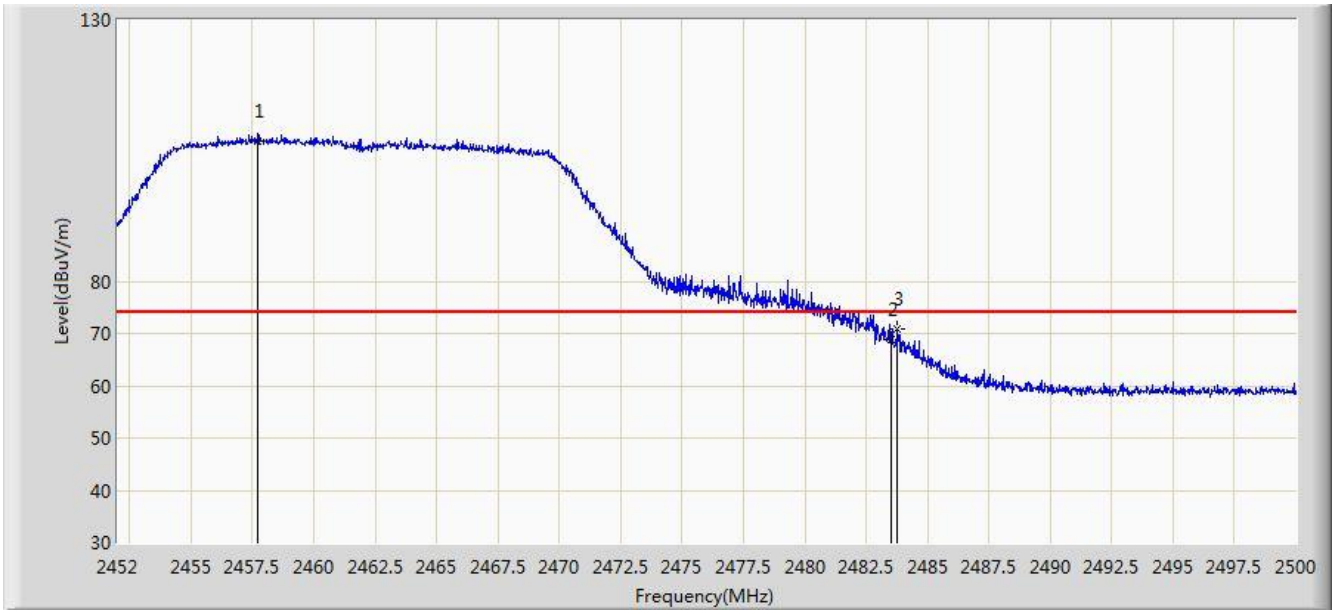


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.137	15.859	-5.863	54.000	32.278	AV
2		*	2418.976	86.288	54.077	N/A	N/A	32.210	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.712	106.751	74.531	N/A	N/A	32.219	PK
2			2483.500	68.782	36.501	-5.218	74.000	32.282	PK
3			2483.776	70.813	38.531	-3.187	74.000	32.282	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

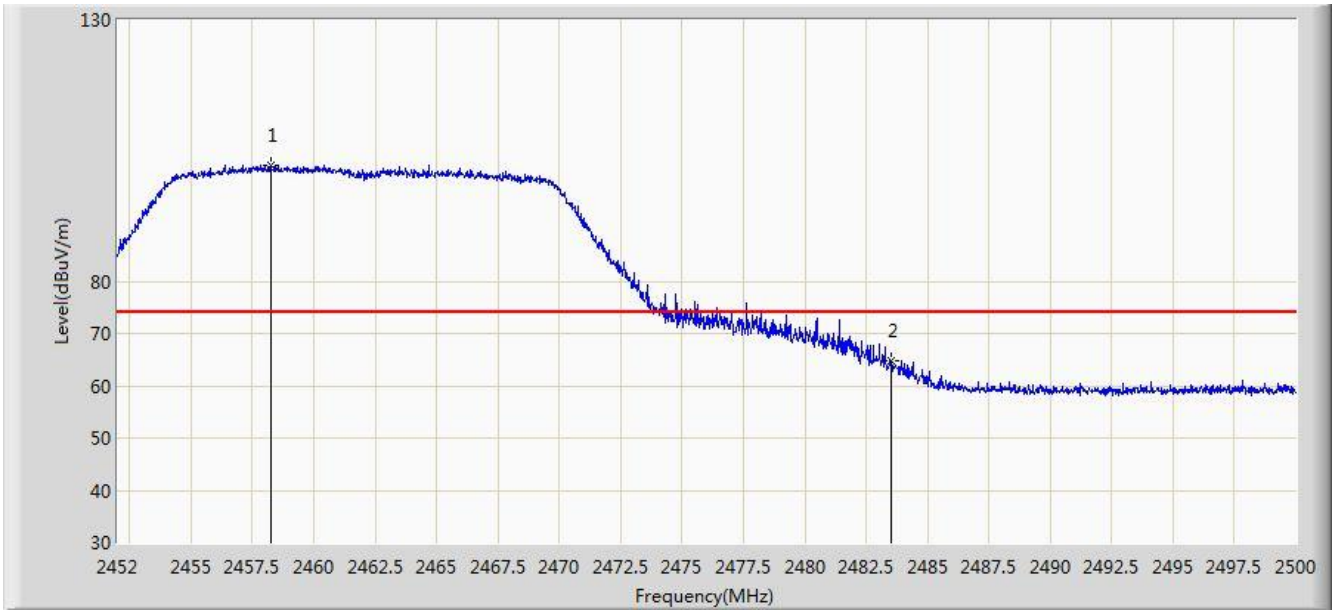
Site: AC2	Time: 2017/05/10 - 21:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.264	91.741	59.519	N/A	N/A	32.222	AV
2			2483.500	50.883	18.602	-3.117	54.000	32.282	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

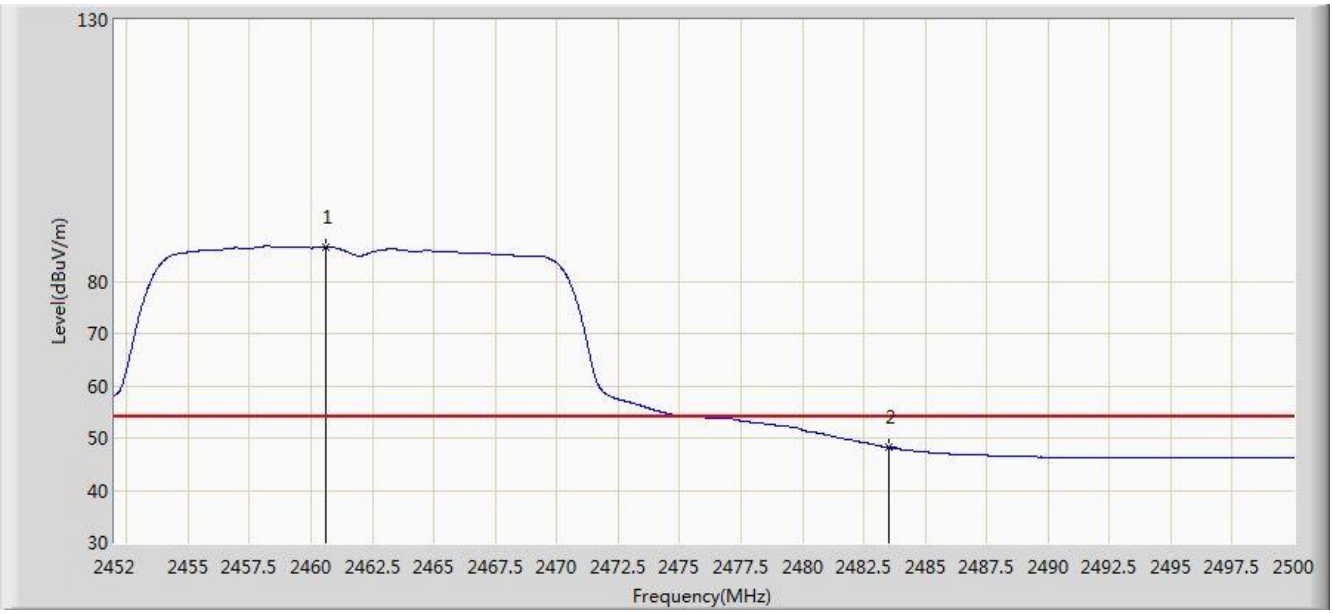


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.240	102.312	70.090	N/A	N/A	32.222	PK
2			2483.500	64.807	32.526	-9.193	74.000	32.282	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

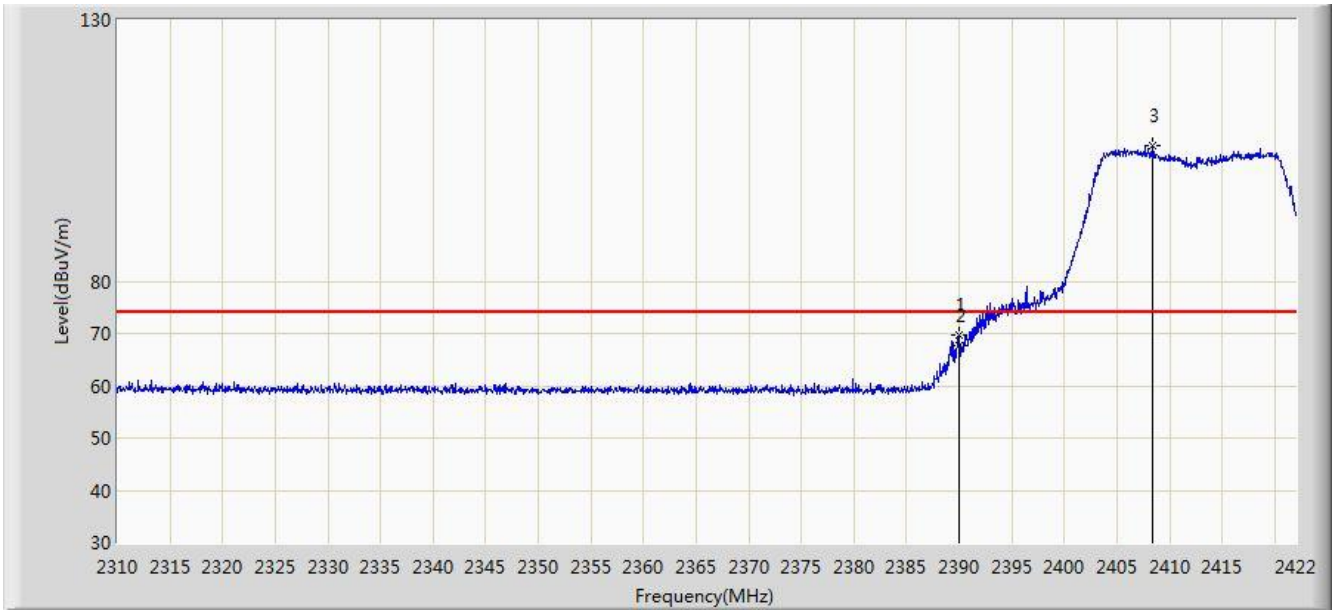


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.592	86.573	54.341	N/A	N/A	32.232	AV
2			2483.500	48.217	15.936	-5.783	54.000	32.282	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

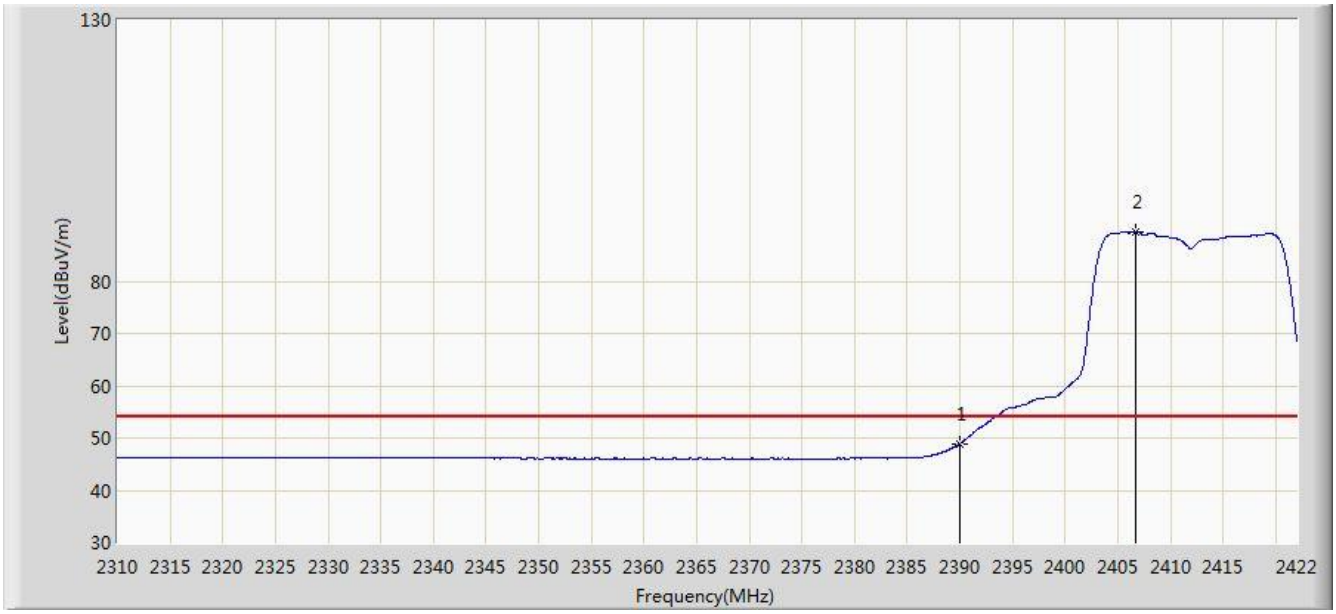


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.968	69.773	37.495	-4.227	74.000	32.278	PK
2			2390.000	67.566	35.288	-6.434	74.000	32.278	PK
3		*	2408.336	106.041	73.788	N/A	N/A	32.253	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

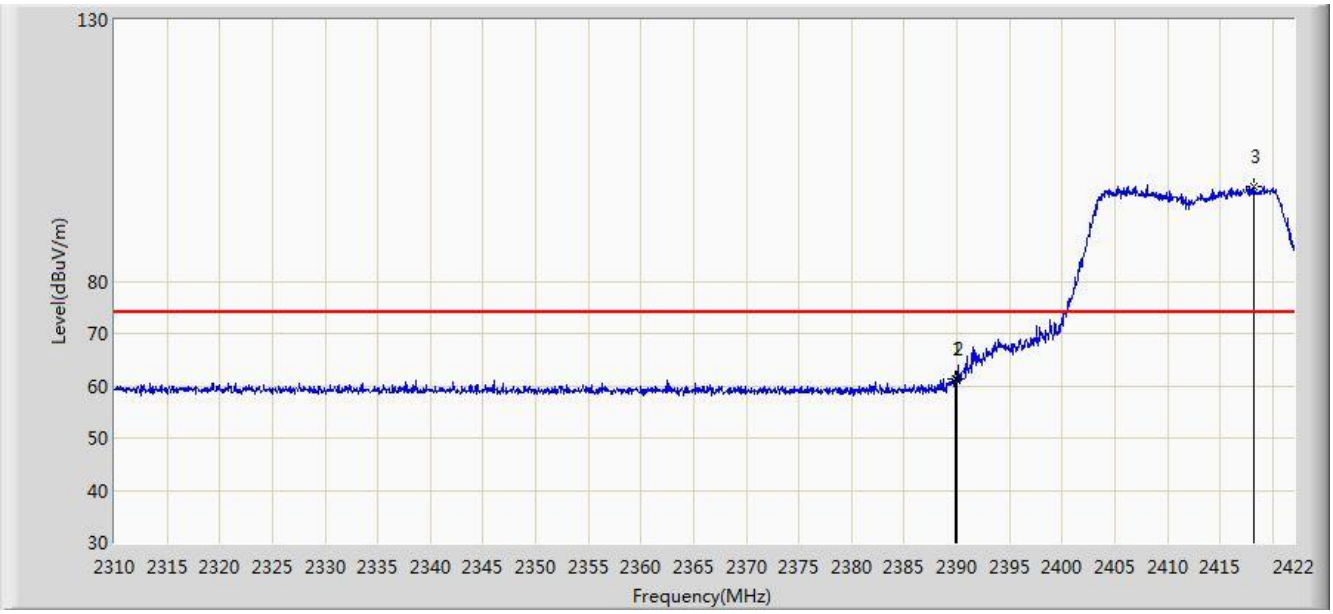


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.898	16.620	-5.102	54.000	32.278	AV
2		*	2406.712	89.445	57.187	N/A	N/A	32.258	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

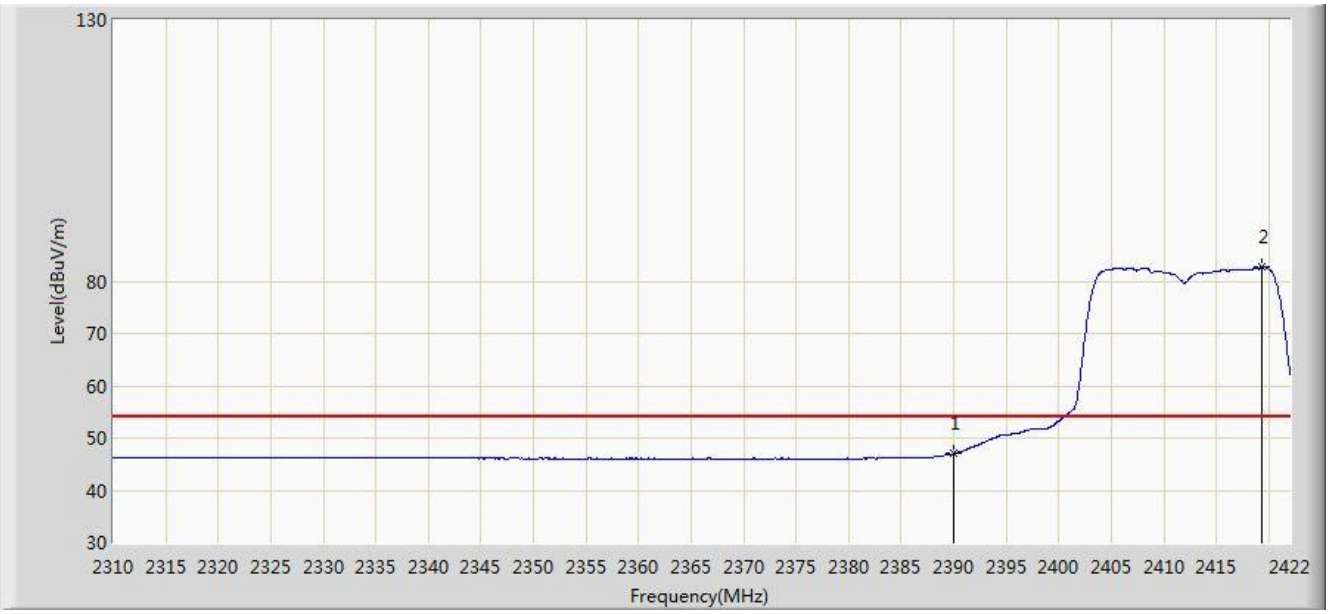


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.856	61.444	29.167	-12.556	74.000	32.277	PK
2			2390.000	61.161	28.883	-12.839	74.000	32.278	PK
3		*	2418.192	98.175	65.961	N/A	N/A	32.214	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

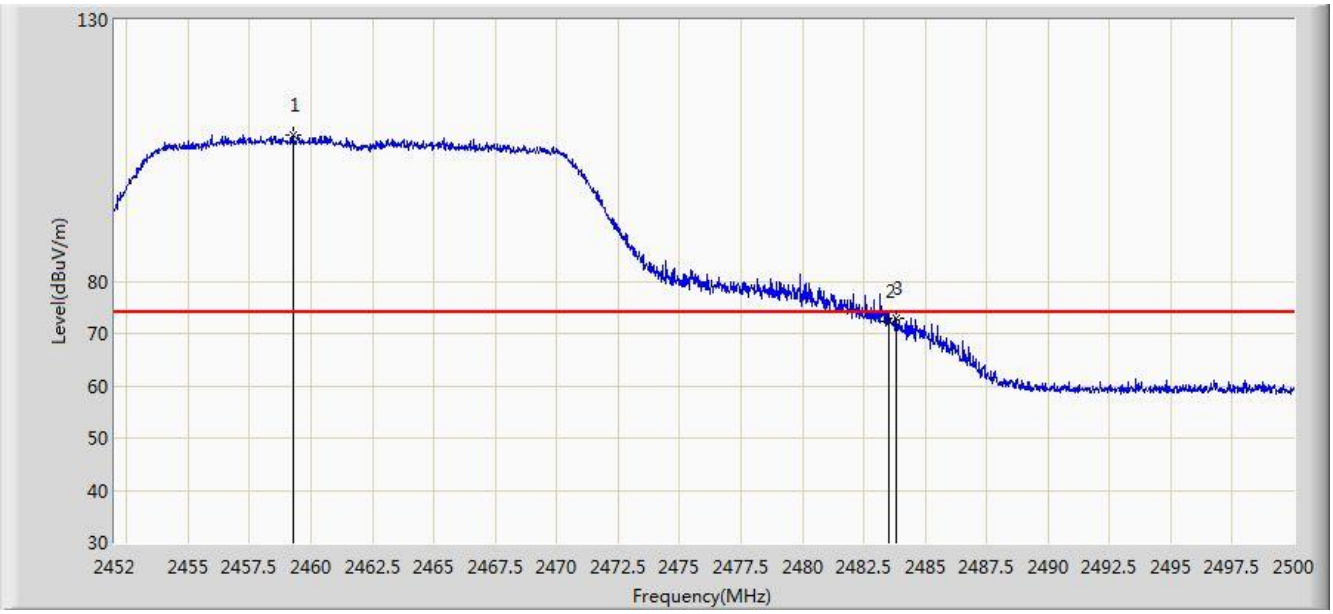


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.988	14.710	-7.012	54.000	32.278	AV
2		*	2419.368	82.677	50.468	N/A	N/A	32.209	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

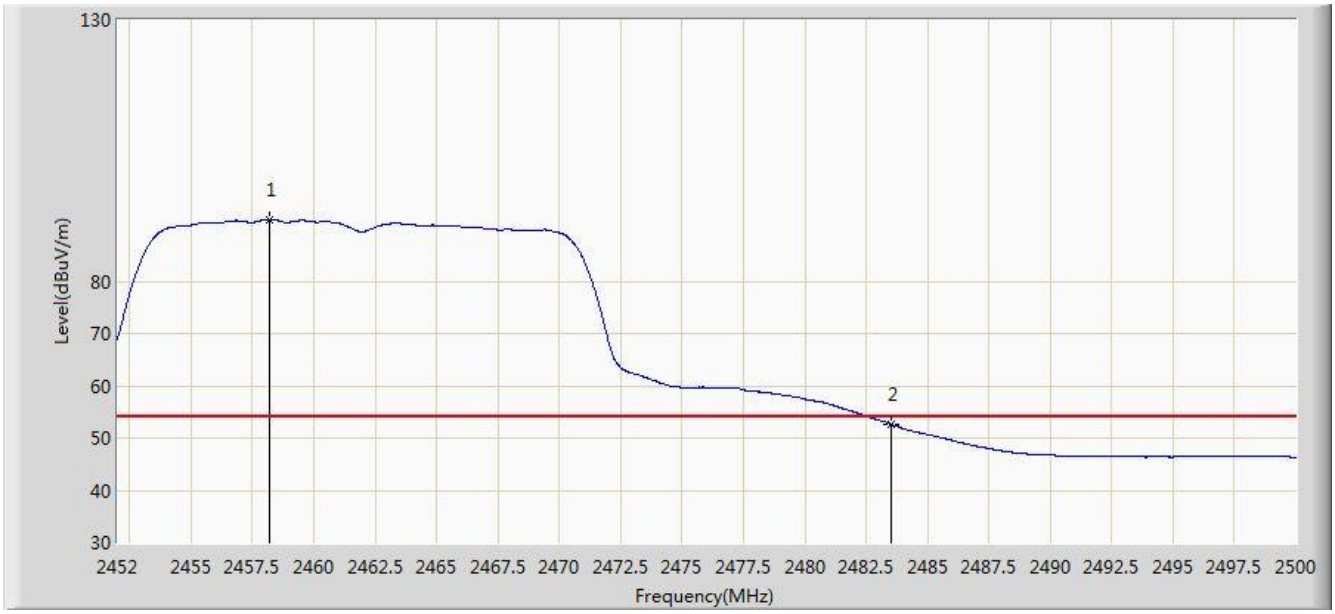


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.296	108.044	75.817	N/A	N/A	32.227	PK
2			2483.500	72.300	40.019	-1.700	74.000	32.282	PK
3			2483.800	73.025	40.743	-0.975	74.000	32.282	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

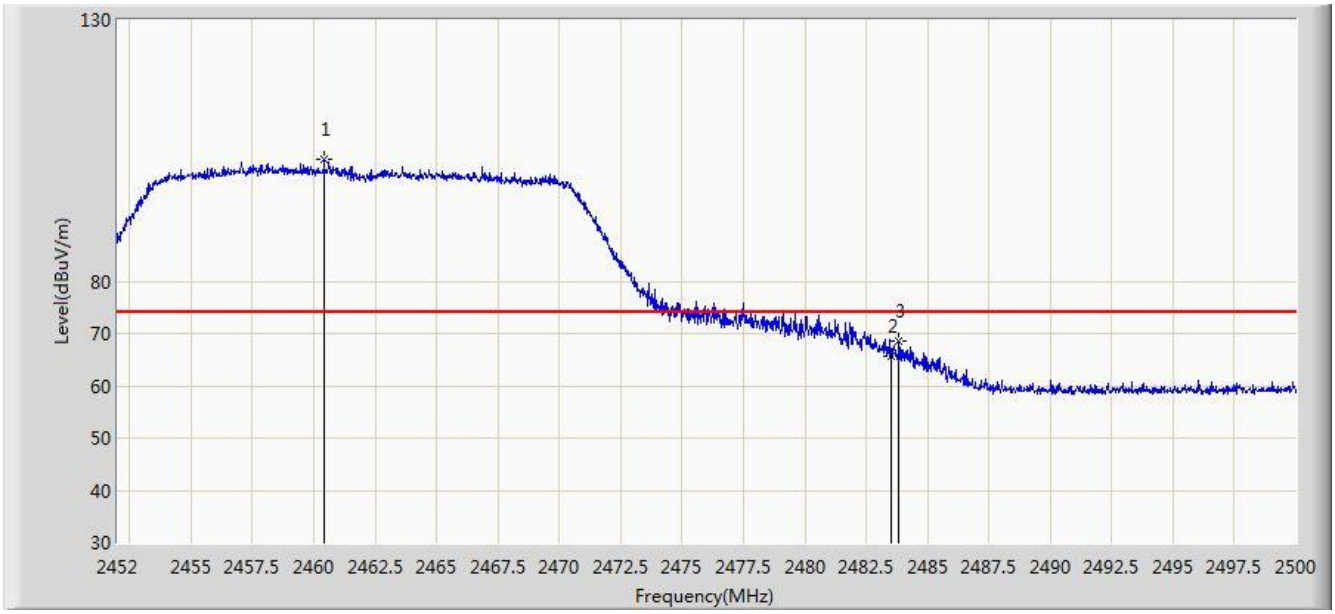


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.216	91.861	59.639	N/A	N/A	32.222	AV
2			2483.500	52.673	20.392	-1.327	54.000	32.282	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

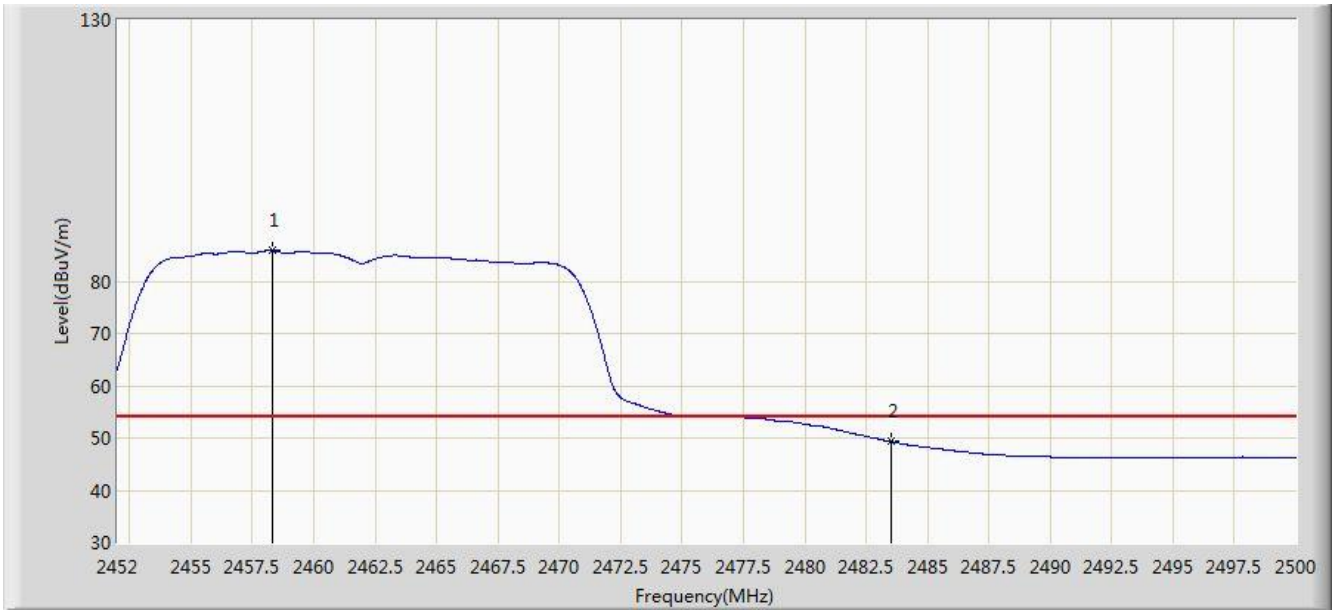


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.424	103.276	71.045	N/A	N/A	32.231	PK
2			2483.500	65.543	33.262	-8.457	74.000	32.282	PK
3			2483.824	68.553	36.271	-5.447	74.000	32.282	PK

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC2	Time: 2017/05/10 - 21:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.288	85.907	53.685	N/A	N/A	32.222	AV
2			2483.500	49.338	17.057	-4.662	54.000	32.282	AV

Note: Measure Level (dBμ V/m) = Reading Level (dBμ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.8. AC Conducted Emissions Measurement

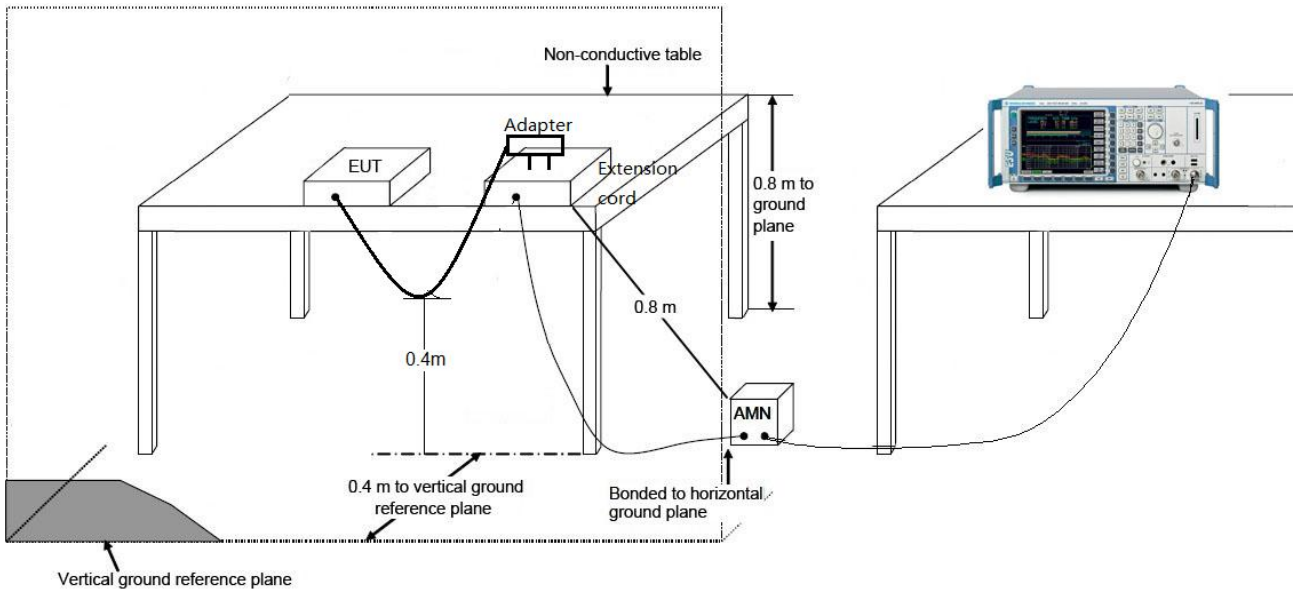
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

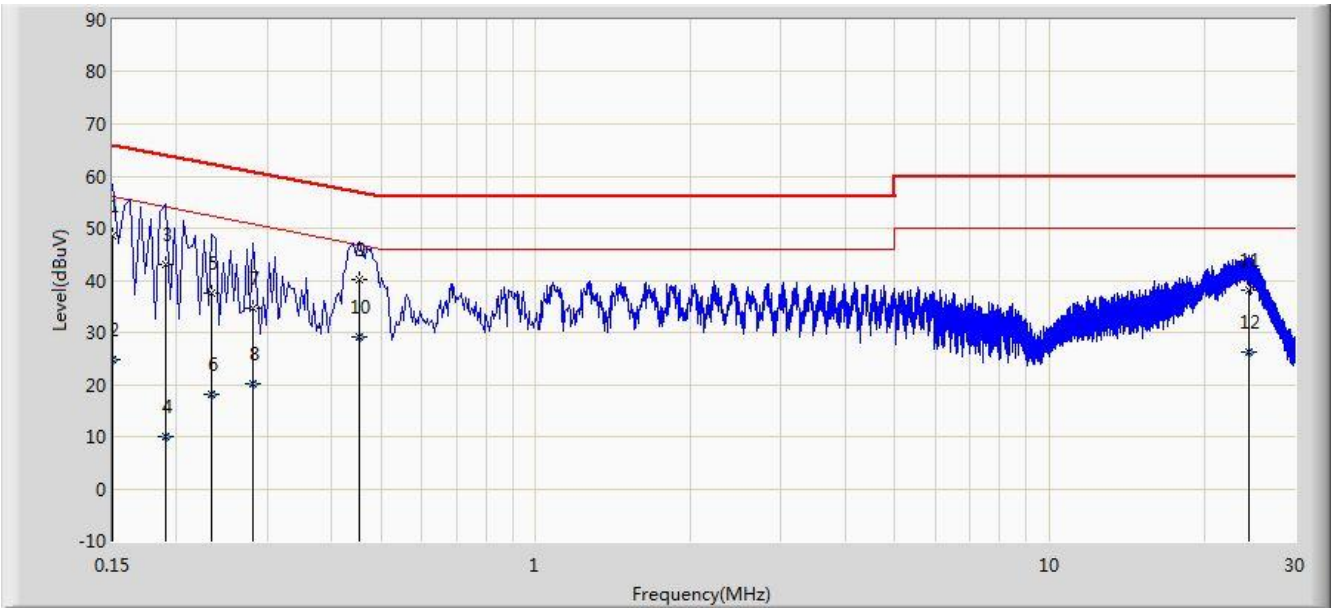
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

Site: SR2	Time: 2017/05/26 - 15:35
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Mode 1	

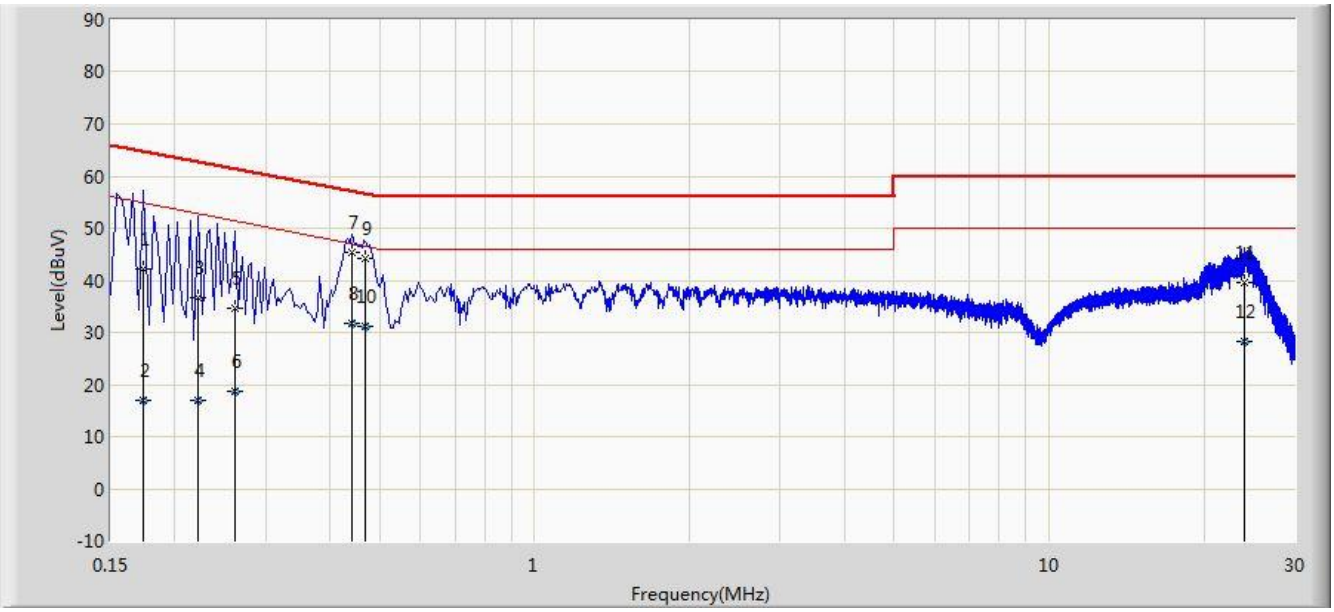


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	48.468	37.300	-17.532	66.000	11.168	QP
2			0.150	24.868	13.700	-31.132	56.000	11.168	AV
3			0.190	43.029	33.000	-21.008	64.037	10.029	QP
4			0.190	10.129	0.100	-43.908	54.037	10.029	AV
5			0.234	37.492	27.541	-24.815	62.307	9.951	QP
6			0.234	18.235	8.284	-34.072	52.307	9.951	AV
7			0.282	34.690	24.700	-26.067	60.757	9.990	QP
8			0.282	20.090	10.100	-30.667	50.757	9.990	AV
9		*	0.454	40.129	30.000	-16.672	56.802	10.129	QP
10			0.454	29.029	18.900	-17.772	46.802	10.129	AV
11			24.478	38.073	27.866	-21.927	60.000	10.207	QP
12			24.478	26.294	16.087	-23.706	50.000	10.207	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SR2	Time: 2017/05/26 - 15:46
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.174	42.089	32.033	-22.678	64.767	10.057	QP
2			0.174	16.934	6.877	-37.833	54.767	10.057	AV
3			0.222	36.580	26.600	-26.164	62.744	9.980	QP
4			0.222	17.080	7.100	-35.664	52.744	9.980	AV
5			0.262	34.710	24.700	-26.658	61.368	10.010	QP
6			0.262	18.710	8.700	-32.658	51.368	10.010	AV
7		*	0.442	45.495	35.351	-11.529	57.024	10.144	QP
8			0.442	31.754	21.610	-15.270	47.024	10.144	AV
9			0.470	44.183	34.019	-12.331	56.514	10.164	QP
10			0.470	31.150	20.985	-15.364	46.514	10.164	AV
11			23.982	39.624	29.351	-20.376	60.000	10.273	QP
12			23.982	28.301	18.028	-21.699	50.000	10.273	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Mobile Computer FCC ID:**

HD5-EDA50211 is in compliance with Part 15C of the FCC Rules.

The End