

7.8.5. Test Result

Channel Bandwidth:	20MHz	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1240.5	36.8	-2.0	34.8	68.2	-33.4	Peak	Horizontal
*	1354.5	37.5	-1.4	36.1	68.2	-32.1	Peak	Horizontal
	7259.4	35.9	13.9	49.8	74.0	-24.2	Peak	Horizontal
	8423.6	34.5	14.6	49.1	74.0	-24.9	Peak	Horizontal
*	1253.7	36.9	-1.9	35.0	68.2	-33.2	Peak	Vertical
*	1432.5	36.1	-1.5	34.6	68.2	-33.6	Peak	Vertical
	7386.4	35.5	14.1	49.6	74.0	-24.4	Peak	Vertical
	9435.7	35.9	15.5	51.4	74.0	-22.6	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	20MHz	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1428.4	36.4	-1.5	34.9	68.2	-33.3	Peak	Horizontal
*	1644.8	35.8	-1.1	34.7	68.2	-33.5	Peak	Horizontal
	7632.0	34.3	14.6	48.9	74.0	-25.1	Peak	Horizontal
	9189.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
*	1659.6	35.3	-1.0	34.3	68.2	-33.9	Peak	Vertical
*	1718.0	35.8	-0.7	35.1	68.2	-33.1	Peak	Vertical
	7653.7	34.2	14.6	48.8	74.0	-25.2	Peak	Vertical
	9457.7	36.3	15.4	51.7	74.0	-22.3	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	20MHz	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1657.7	35.9	-1.0	34.9	68.2	-33.3	Peak	Horizontal
*	1717.7	36.0	-0.7	35.3	68.2	-32.9	Peak	Horizontal
	8153.8	33.5	14.9	48.4	74.0	-25.6	Peak	Horizontal
	9474.0	35.5	15.4	50.9	74.0	-23.1	Peak	Horizontal
*	2102.5	35.3	2.1	37.4	68.2	-30.8	Peak	Vertical
*	2183.7	34.8	2.9	37.7	68.2	-30.5	Peak	Vertical
	7267.8	36.2	13.9	50.1	74.0	-23.9	Peak	Vertical
	9368.7	35.5	15.3	50.8	74.0	-23.2	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	20MHz	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1729.3	35.4	-0.6	34.8	68.2	-33.4	Peak	Horizontal
*	1972.7	34.7	0.9	35.6	68.2	-32.6	Peak	Horizontal
	7348.7	35.8	14.0	49.8	74.0	-24.2	Peak	Horizontal
	9318.8	35.7	15.4	51.1	74.0	-22.9	Peak	Horizontal
*	2305.7	35.5	3.0	38.5	68.2	-29.7	Peak	Vertical
*	2405.5	34.6	2.7	37.3	68.2	-30.9	Peak	Vertical
	7304.5	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical
	9305.7	35.5	15.4	50.9	74.0	-23.1	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	20MHz	Test Site:	AC1
Test Channel:	116	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2183.7	34.6	2.9	37.5	68.2	-30.7	Peak	Horizontal
*	2308.7	35.8	3.0	38.8	68.2	-29.4	Peak	Horizontal
	7749.0	36.2	14.7	50.9	74.0	-23.1	Peak	Horizontal
	9478.5	36.2	15.4	51.6	74.0	-22.4	Peak	Horizontal
*	2681.4	35.6	3.2	38.8	68.2	-29.4	Peak	Vertical
*	3025.4	35.7	3.4	39.1	68.2	-29.1	Peak	Vertical
	7251.7	36.3	13.9	50.2	74.0	-23.8	Peak	Vertical
	9306.5	35.6	15.4	51.0	74.0	-23.0	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	20MHz	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2483.0	34.8	2.7	37.5	68.2	-30.7	Peak	Horizontal
*	2583.7	35.8	2.8	38.6	68.2	-29.6	Peak	Horizontal
	7383.7	35.2	14.1	49.3	74.0	-24.7	Peak	Horizontal
	9362.5	36.8	15.3	52.1	74.0	-21.9	Peak	Horizontal
*	3342.4	36.5	3.1	39.6	68.2	-28.6	Peak	Vertical
*	3583.7	36.4	4.0	40.4	68.2	-27.8	Peak	Vertical
	7305.4	36.1	14.0	50.1	74.0	-23.9	Peak	Vertical
	9484.0	36.7	15.4	52.1	74.0	-21.9	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	40MHz	Test Site:	AC1
Test Channel:	54	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1717.2	35.7	-0.7	35.0	68.2	-33.2	Peak	Horizontal
*	2153.7	35.7	2.7	38.4	68.2	-29.8	Peak	Horizontal
	7321.6	34.5	14.0	48.5	74.0	-25.5	Peak	Horizontal
	9468.0	35.6	15.4	51.0	74.0	-23.0	Peak	Horizontal
*	2150.5	34.7	2.6	37.3	68.2	-30.9	Peak	Vertical
*	2304.8	35.8	3.0	38.8	68.2	-29.4	Peak	Vertical
	7371.2	34.8	14.1	48.9	74.0	-25.1	Peak	Vertical
	9483.7	36.0	15.4	51.4	74.0	-22.6	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	40MHz	Test Site:	AC1
Test Channel:	62	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2309.7	35.7	3.0	38.7	68.2	-29.5	Peak	Horizontal
*	2683.5	34.8	3.2	38.0	68.2	-30.2	Peak	Horizontal
	7315.8	34.8	14.0	48.8	74.0	-25.2	Peak	Horizontal
	9318.7	36.4	15.4	51.8	74.0	-22.2	Peak	Horizontal
*	2482.4	35.4	2.7	38.1	68.2	-30.1	Peak	Vertical
*	3172.5	35.6	3.6	39.2	68.2	-29.0	Peak	Vertical
	7386.6	34.4	14.1	48.5	74.0	-25.5	Peak	Vertical
	9386.3	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	40MHz	Test Site:	AC1
Test Channel:	102	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2481.7	34.8	2.7	37.4	68.2	-30.8	Peak	Horizontal
*	3172.8	35.1	3.6	38.7	68.2	-29.5	Peak	Horizontal
	7253.7	36.0	13.9	49.9	74.0	-24.1	Peak	Horizontal
	9461.4	36.4	15.4	51.8	74.0	-22.2	Peak	Horizontal
*	3329.8	35.6	3.1	38.7	68.2	-29.5	Peak	Vertical
*	4492.4	39.3	5.6	44.8	68.2	-23.4	Peak	Vertical
	8026.4	34.9	15.1	50.0	74.0	-24.0	Peak	Vertical
	9483.7	36.5	15.4	51.9	74.0	-22.1	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Channel Bandwidth:	40MHz	Test Site:	AC1
Test Channel:	110	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3329.3	35.6	3.1	38.7	68.2	-29.5	Peak	Horizontal
*	4497.8	42.4	5.6	48.0	68.2	-20.2	Peak	Horizontal
	8055.0	35.8	15.2	51.0	74.0	-23.0	Peak	Horizontal
	9486.4	37.4	15.4	52.8	74.0	-21.2	Peak	Horizontal
*	3589.7	36.8	4.0	40.8	68.2	-27.4	Peak	Vertical
*	5348.9	33.8	6.8	40.6	68.2	-27.6	Peak	Vertical
	7250.7	35.9	13.8	49.7	74.0	-24.3	Peak	Vertical
	9471.5	36.3	15.4	51.7	74.0	-22.3	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

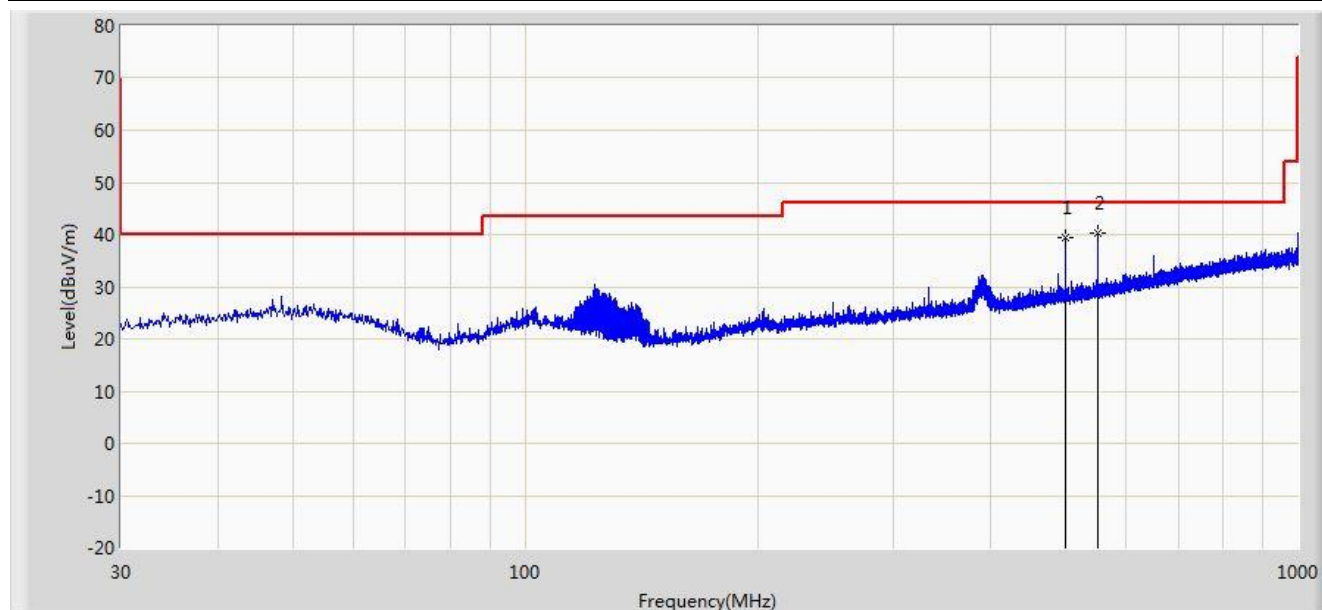
Channel Bandwidth:	40MHz	Test Site:	AC1
Test Channel:	134	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3549.8	36.6	4.1	40.6	68.2	-27.6	Peak	Horizontal
*	5341.2	34.3	6.8	41.0	68.2	-27.2	Peak	Horizontal
	7307.7	35.0	14.0	49.0	74.0	-25.0	Peak	Horizontal
	9384.7	36.6	15.3	51.9	74.0	-22.1	Peak	Horizontal
*	1257.7	36.3	-1.8	34.5	68.2	-33.7	Peak	Vertical
*	1641.9	35.2	-1.1	34.2	68.2	-34.0	Peak	Vertical
	7319.0	34.9	14.0	48.9	74.0	-25.1	Peak	Vertical
	9193.7	34.8	15.2	50.1	74.0	-23.9	Peak	Vertical

Note: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

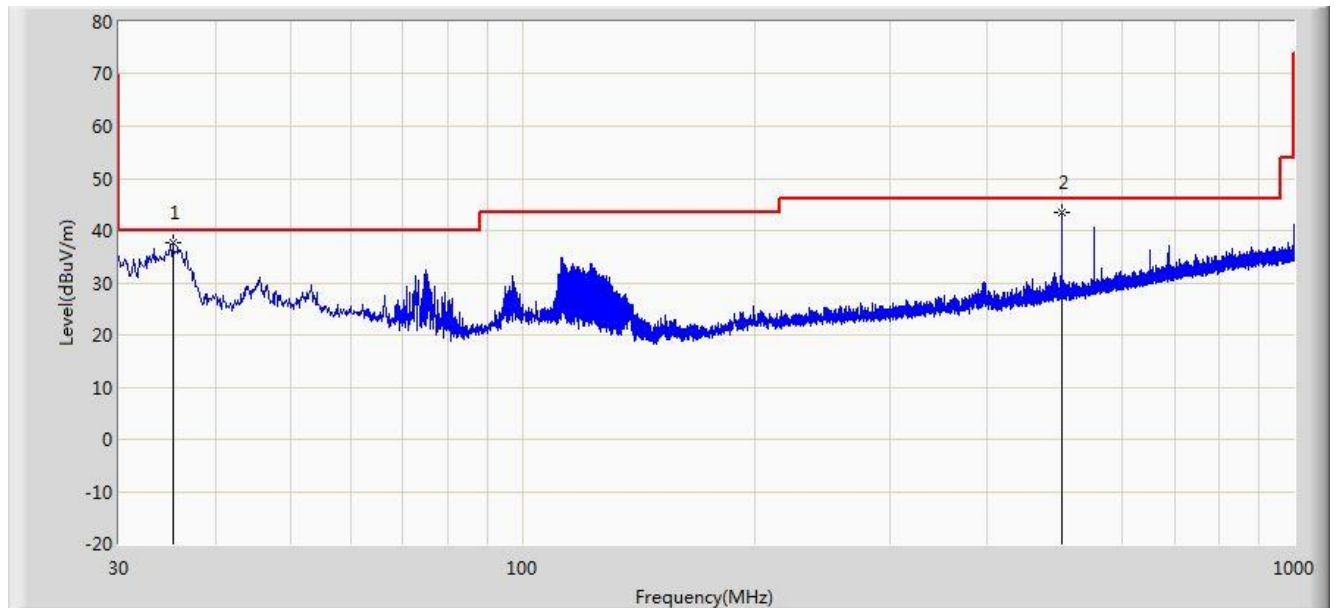
The worst case of Radiated Emission below 1GHz:

Test Engineer: Roy Cheng	
Test Site: AC1	Time: 2014/01/14 - 14:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Microwave Outdoor Unit	Power: DC 48V
Worst Case Mode: 20MHz BW Channel 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor	Type
1		499.965	39.531	21.789	-6.469	46.000	17.742	QP
2		549.920	40.146	21.622	-5.854	46.000	18.523	QP

Test Engineer: Roy Cheng	
Test Site: AC1	Time: 2014/01/14 - 14:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Microwave Outdoor Unit	Power: DC 48V
Worst Case Mode: 20MHz BW Channel 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor	Type
1		35.214	37.621	24.789	-2.379	40.000	12.833	QP
2		499.965	43.540	25.799	-2.460	46.000	17.742	QP

7.9. Radiated Restricted Band Edge Measurement §15.407(b)(2)(3)§15.205§15.209;RSS-210[A9.2]

7.9.1. 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).

MHz	MHz	MHz	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	8.025 - 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 - 156.52525	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)

For 15.407(b) requirement:

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

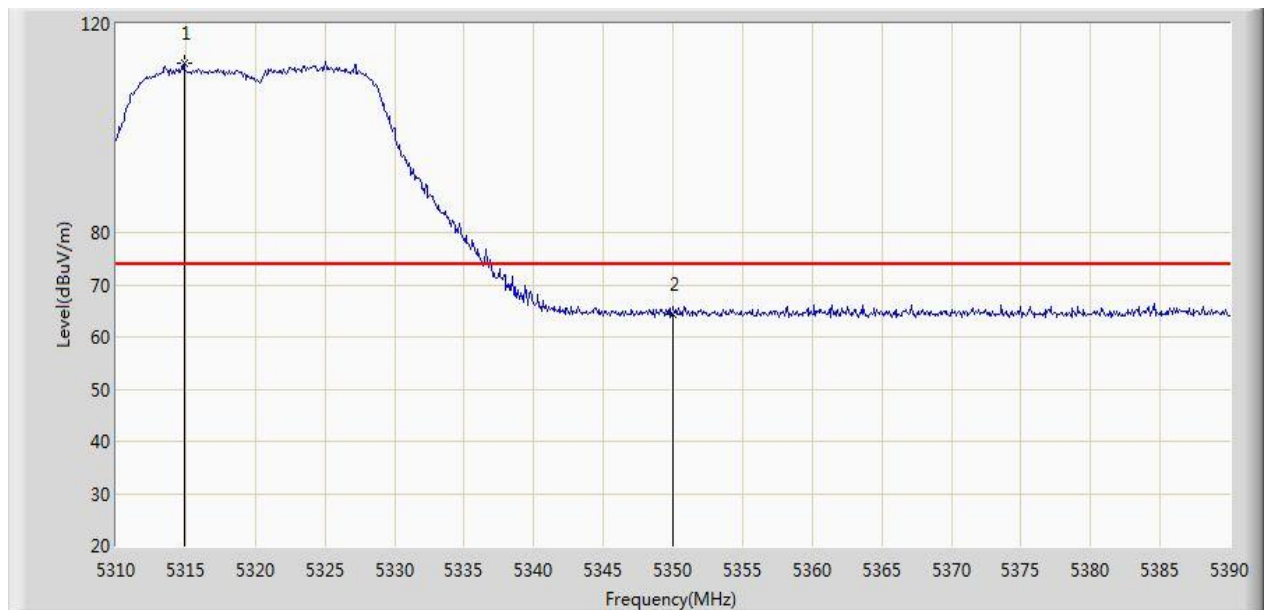
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5250 - 5350	-27	68.2
5470 - 5725	-27	68.2

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 shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2. Test Result

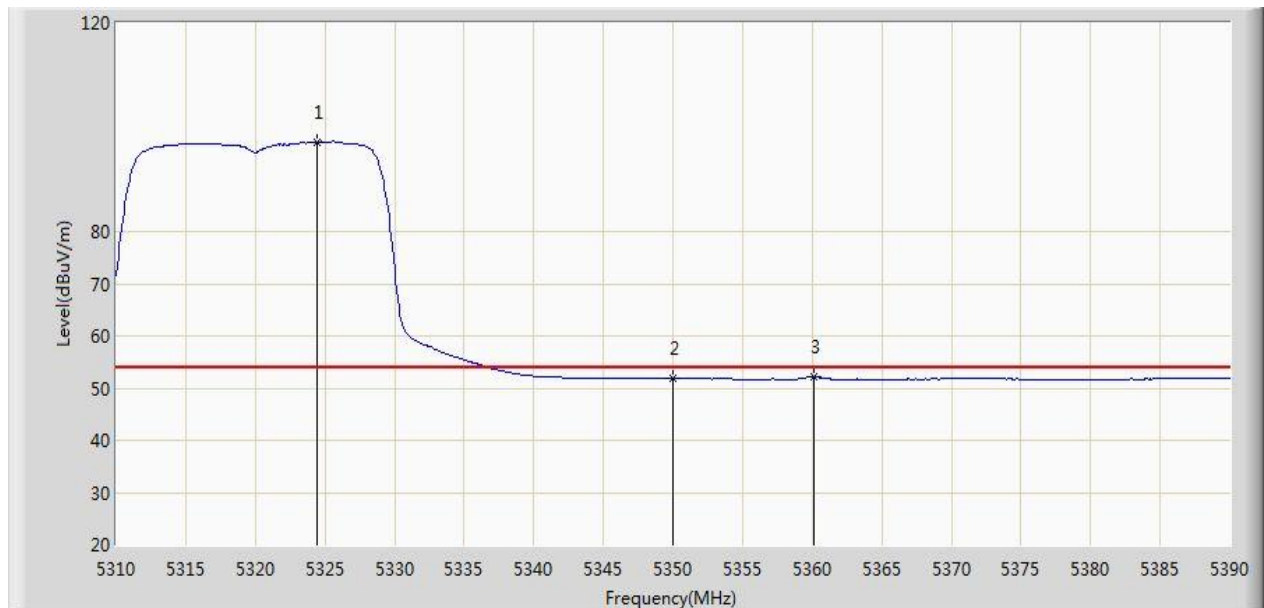
Tested by	Roy	Test Data	2014-01-13- 18:07:33
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5320MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5314.880	112.445	75.985	Peak	36.459	N/A	N/A
5350.000	64.379	27.843	Peak	36.536	74.00	-9.621

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

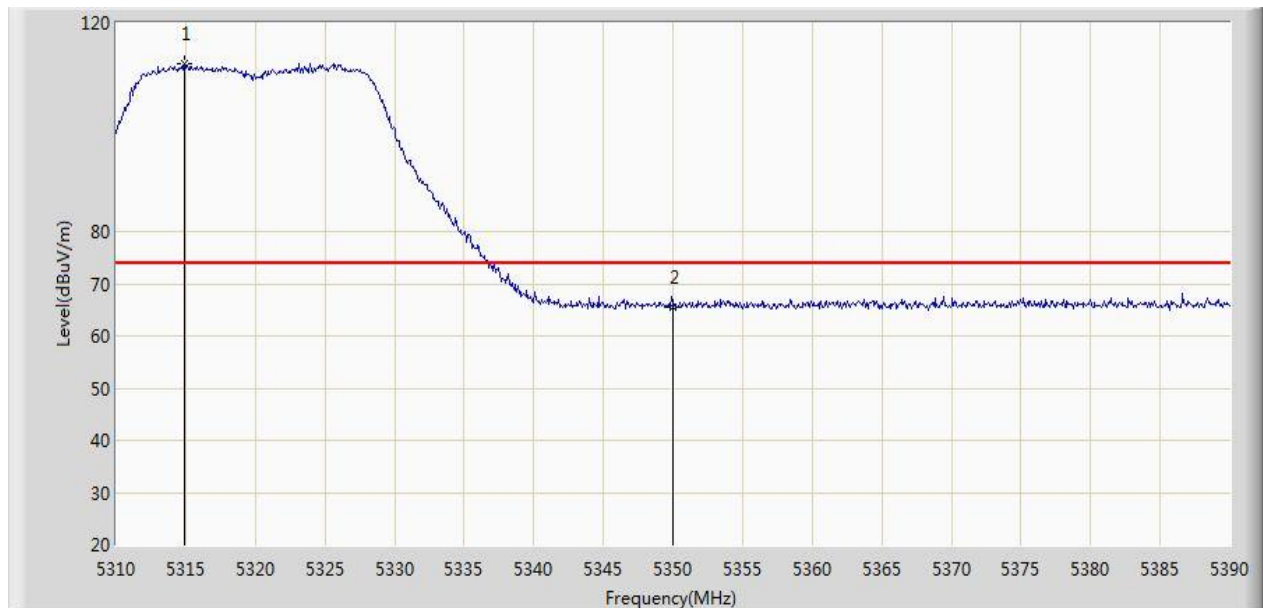
Tested by	Roy	Test Data	2014-01-13- 18:12:25
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5320MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5324.400	97.202	60.721	Average	36.482	N/A	N/A
5350.000	51.748	15.212	Average	36.536	54.000	-2.252
5360.080	52.195	15.635	Average	36.560	54.000	-1.805

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

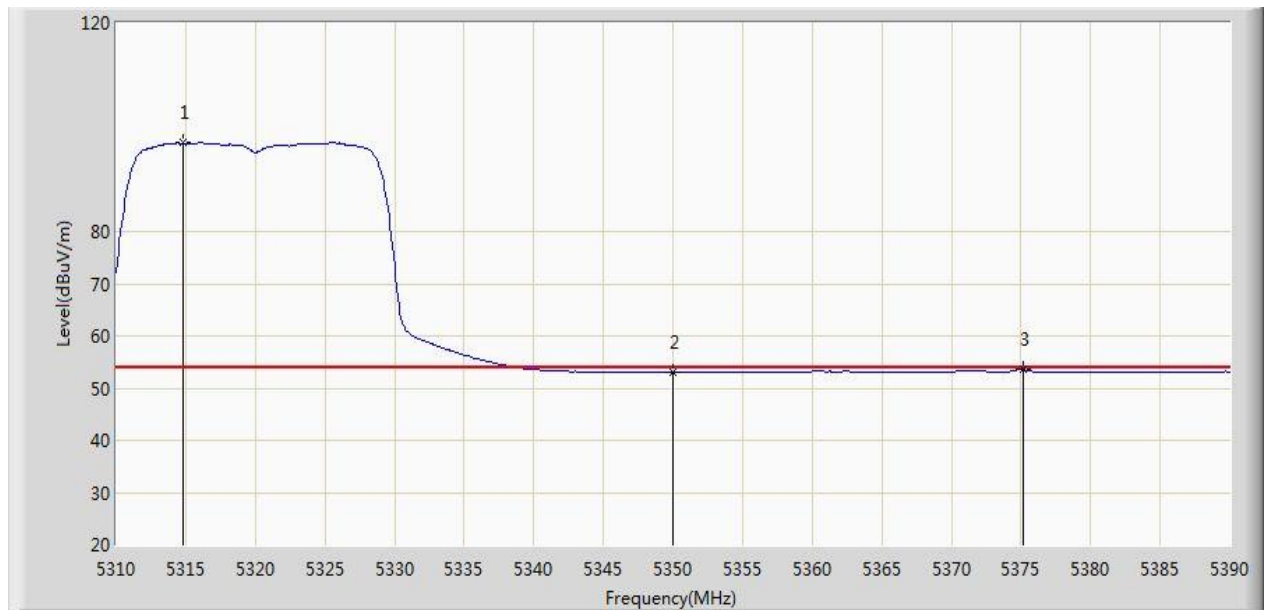
Tested by	Roy	Test Data	2014-01-13- 18:18:48
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5320MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5314.880	112.134	75.674	Peak	36.459	N/A	N/A
5350.000	65.442	28.906	Peak	36.536	74.00	-8.558

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

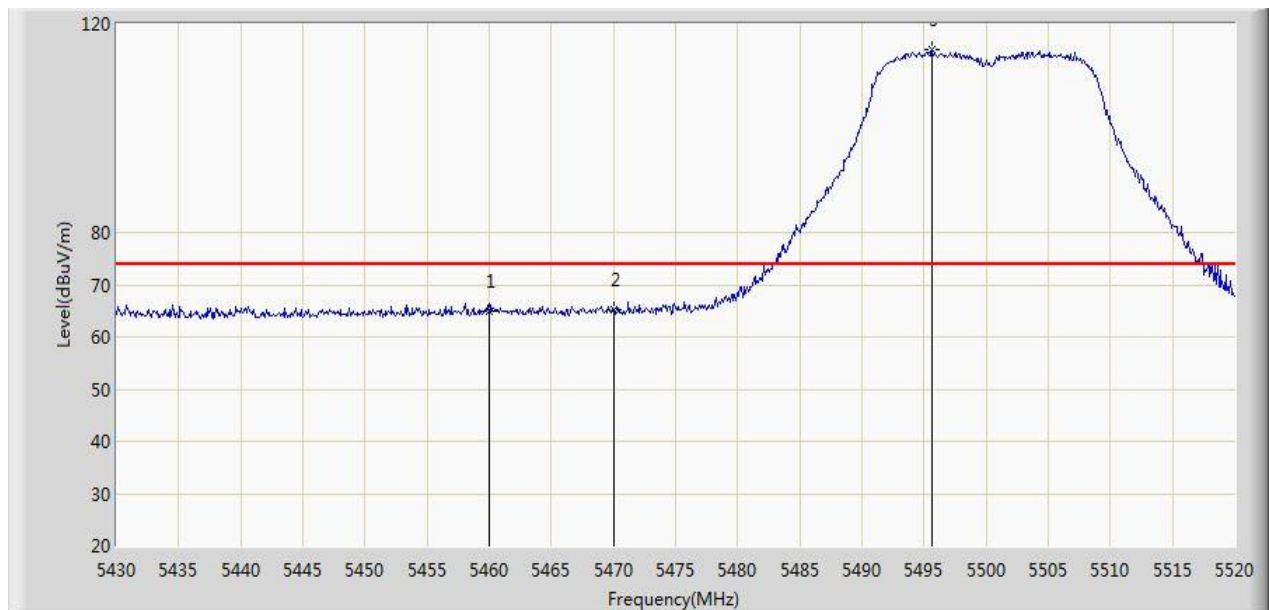
Tested by	Roy	Test Data	2014-01-13- 18:21:44
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5320MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5314.800	96.957	60.498	Average	36.459	N/A	N/A
5350.000	52.995	16.459	Average	36.536	54.00	-1.005
5375.200	53.577	16.979	Average	36.598	54.00	-0.423

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

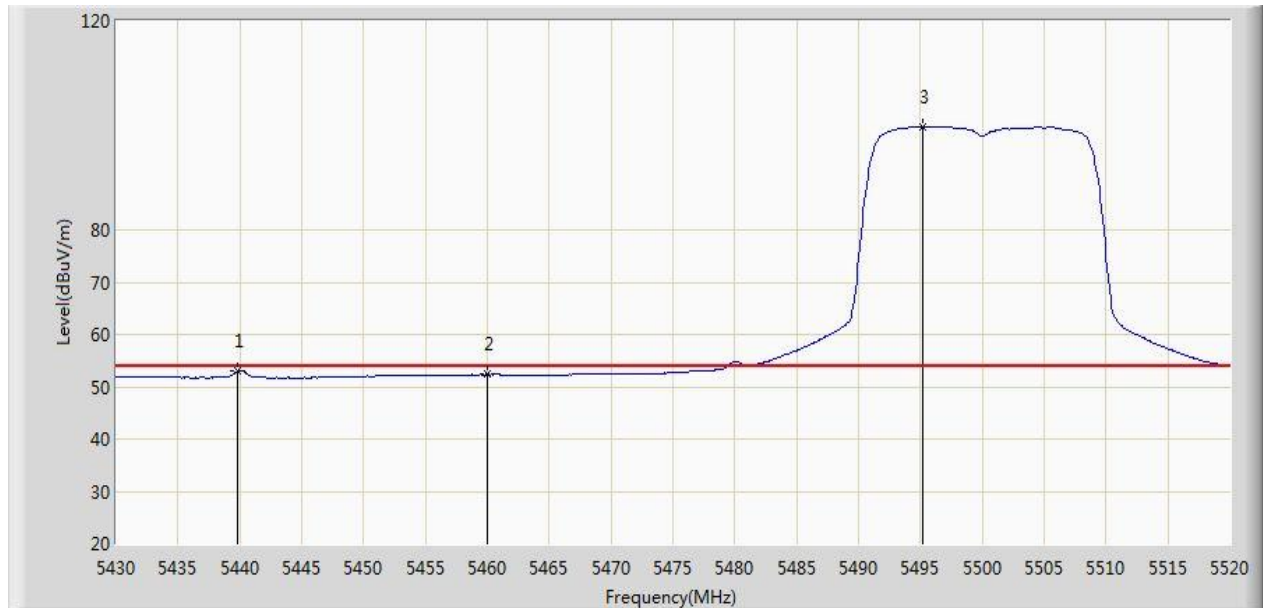
Tested by	Roy	Test Data	2014-01-13- 18:28:33
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5500MHz			



Freq (MHz)	Level (dBμV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5460.000	64.939	28.129	Peak	36.810	74.00	-9.061
5470.000	65.094	28.269	Peak	36.825	68.20	-3.106
5495.610	115.077	78.211	Peak	36.866	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

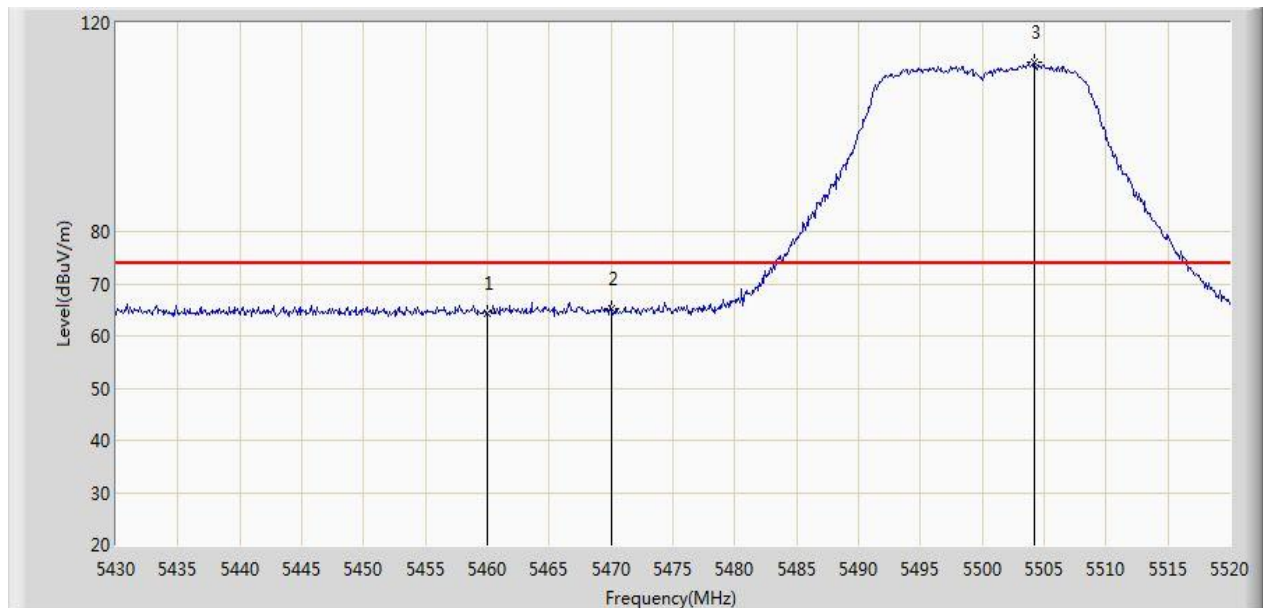
Tested by	Roy	Test Data	2014-01-13- 18:31:25
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5500MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5439.810	52.977	16.209	Average	36.768	54.000	-1.023
5460.000	52.335	15.525	Average	36.810	54.000	-1.665
5495.160	99.793	62.927	Average	36.866	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

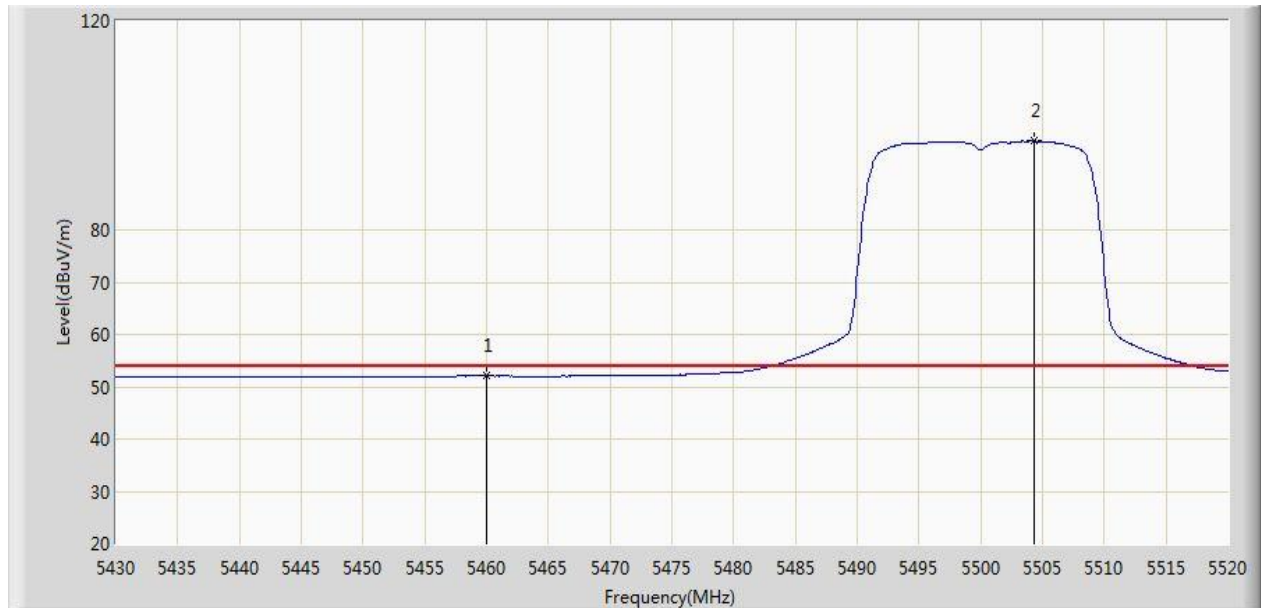
Tested by	Roy	Test Data	2014-01-13- 18:33:48
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5500MHz			



Freq (MHz)	Level (dBμV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5460.000	64.330	27.520	Peak	36.810	74.00	-9.670
5470.000	65.189	28.364	Peak	36.825	68.20	-3.011
5504.160	112.402	75.520	Peak	36.882	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

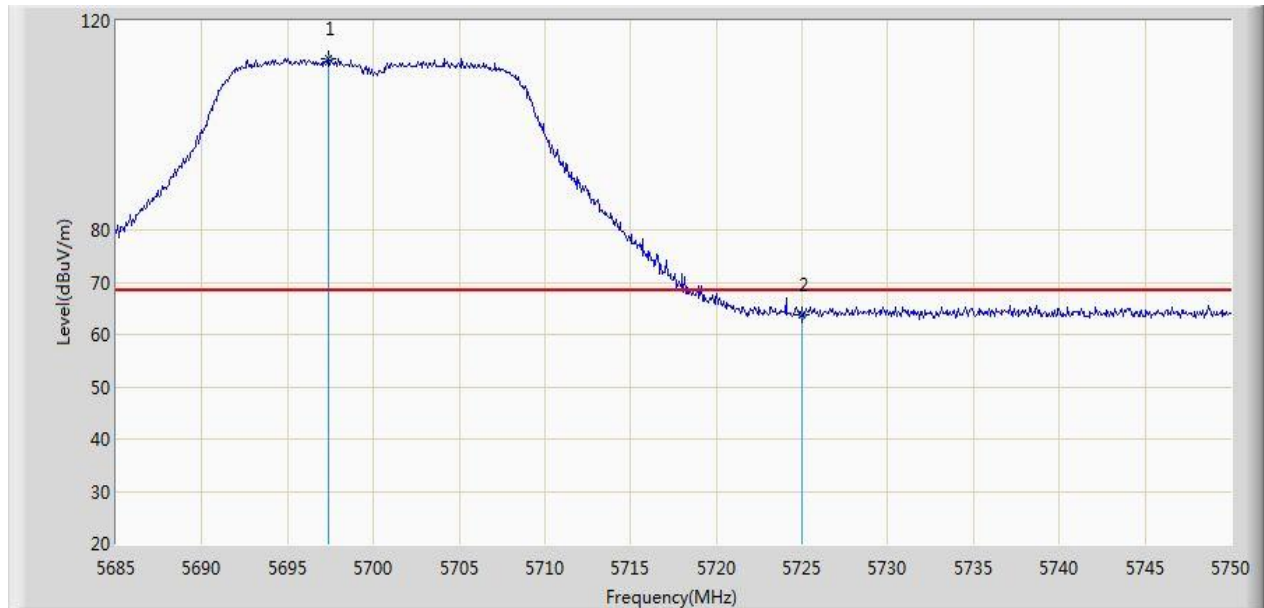
Tested by	Roy	Test Data	2014-01-13- 18:51:44
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5500MHz			



Freq (MHz)	Level (dBμV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5460.000	52.096	15.286	Average	36.810	54.00	-1.904
5504.340	96.983	60.100	Average	36.882	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

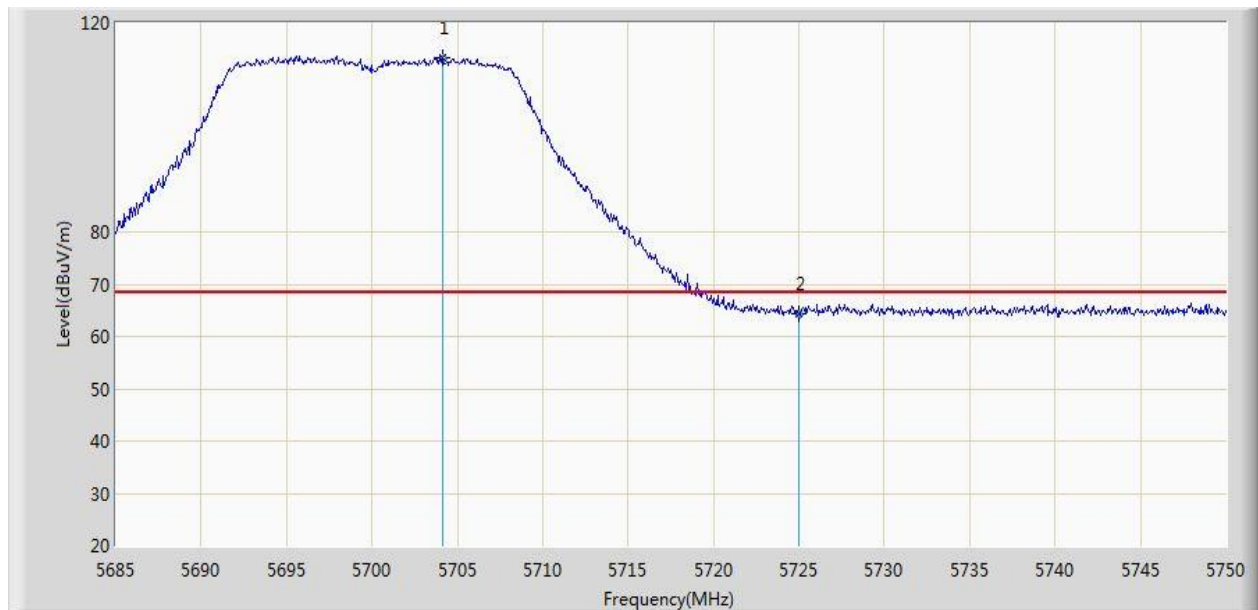
Tested by	Roy	Test Data	2014-01-13- 18:53:45
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.407_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5700MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5697.350	112.709	75.516	Peak	37.193	N/A	N/A
5725.000	63.780	26.475	Peak	37.305	68.20	-4.420

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

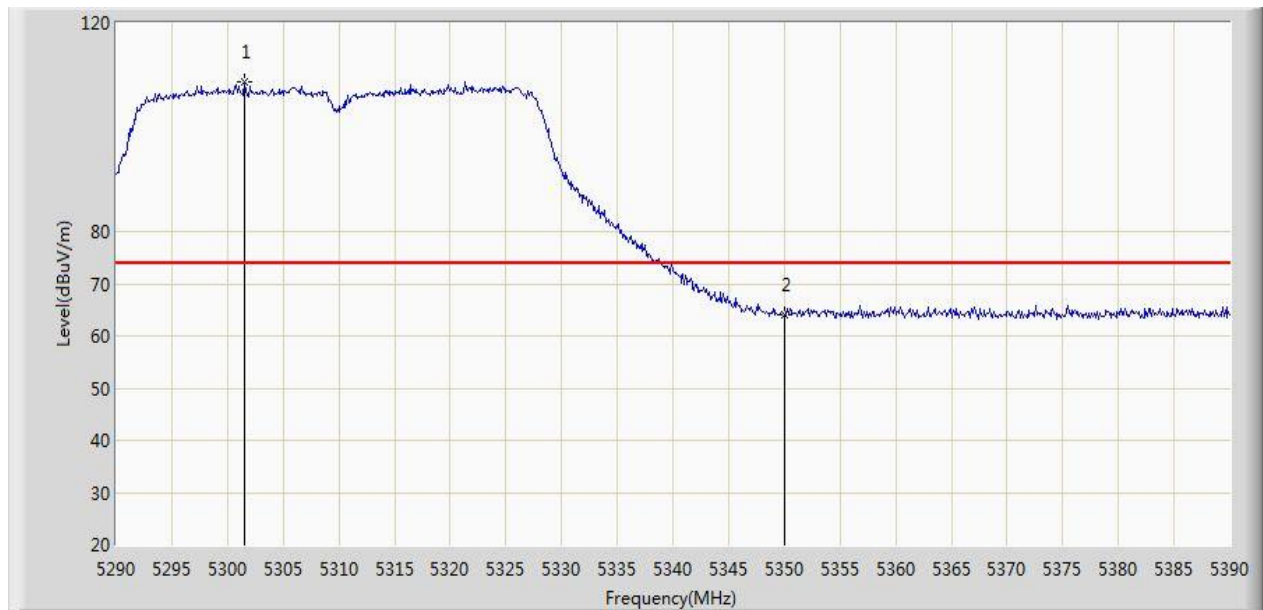
Tested by	Roy	Test Data	2014-01-13- 19:00:58
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.407_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
20MHz Channel Bandwidth - Channel 5700MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5704.110	113.431	76.213	Peak	37.219	N/A	N/A
5725.000	64.389	27.084	Peak	37.305	68.20	-3.811

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

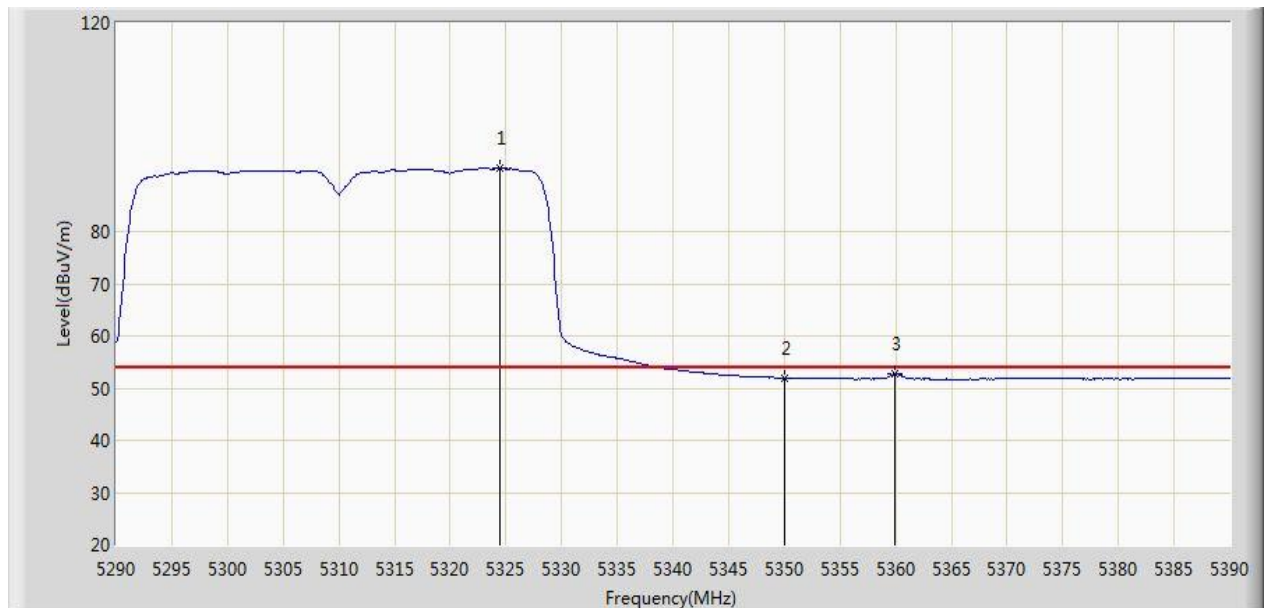
Tested by	Roy	Test Data	2014-01-13- 19:29:19
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5310MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5301.500	108.592	72.156	Peak	36.436	N/A	N/A
5350.000	64.057	27.521	Peak	36.536	74.00	-9.943

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

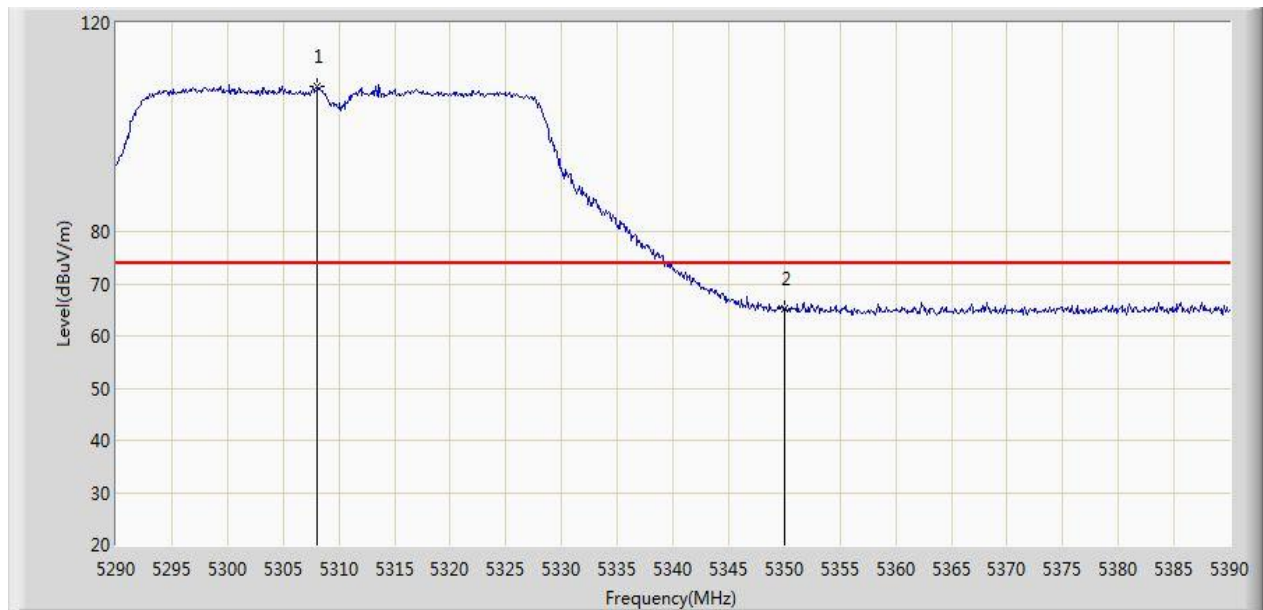
Tested by	Roy	Test Data	2014-01-13- 19:30:56
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5310MHz			



Freq (MHz)	Level (dBμV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5324.400	92.165	55.684	Average	36.482	N/A	N/A
5350.000	51.992	15.456	Average	36.536	54.00	-2.008
5359.900	52.731	16.171	Average	36.560	54.00	-1.269

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

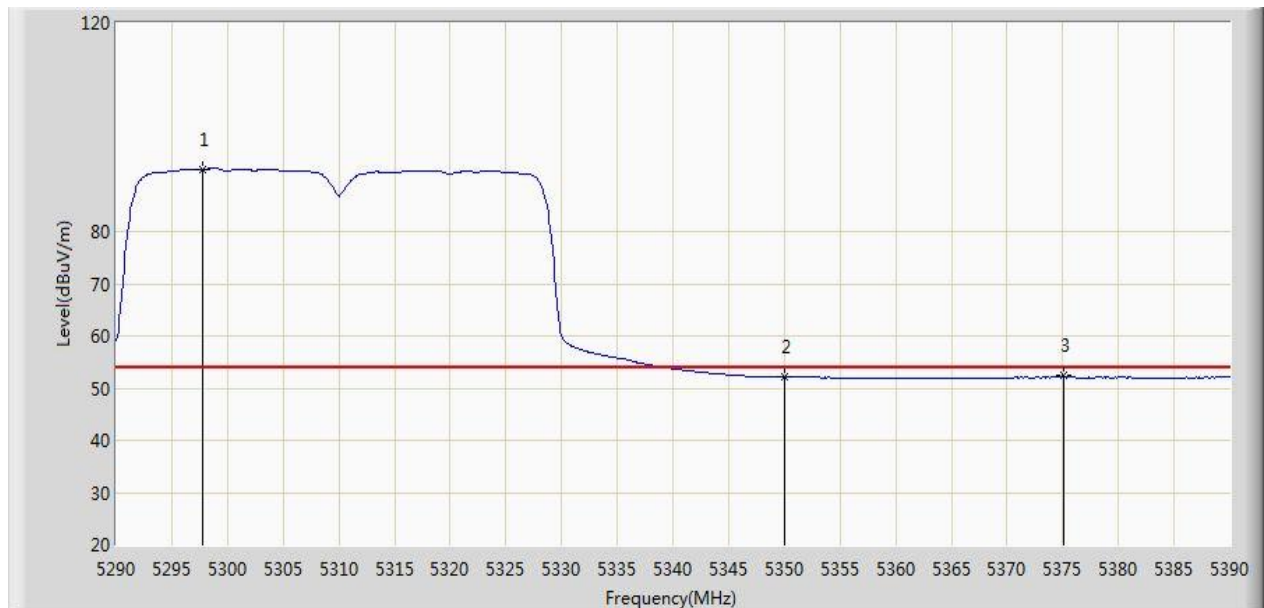
Tested by	Roy	Test Data	2014-01-13- 19:32:29
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5310MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5308.100	107.754	71.307	Peak	36.447	N/A	N/A
5350.000	65.296	28.760	Peak	36.536	74.00	-8.704

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

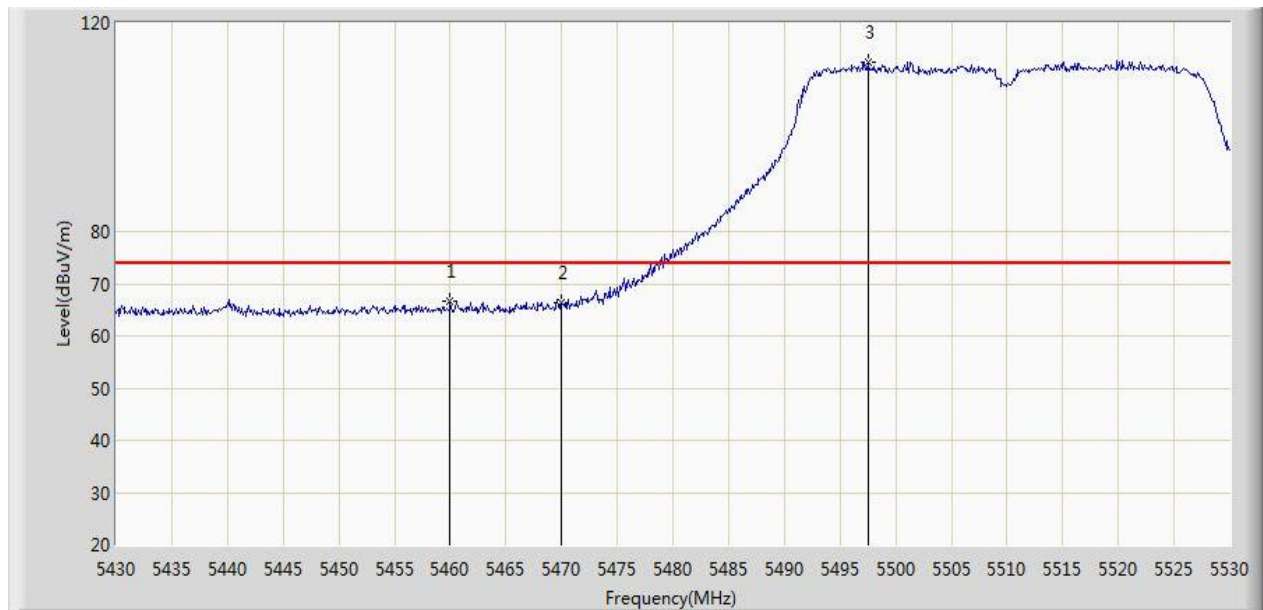
Tested by	Roy	Test Data	2014-01-13- 19:42:43
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5310MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5297.800	91.974	55.544	Average	36.430	N/A	N/A
5350.000	52.093	15.557	Average	36.536	54.00	-1.907
5375.100	52.323	15.725	Average	36.597	54.00	-1.677

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

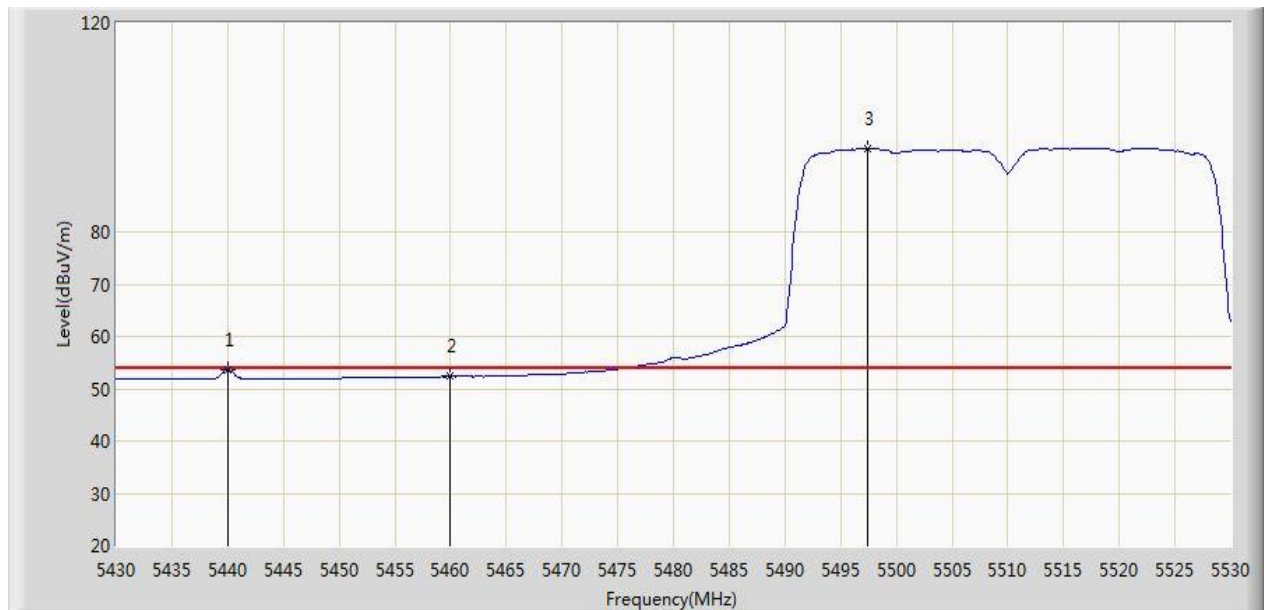
Tested by	Roy	Test Data	2014-01-13- 19:36:19
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5510MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5460.000	66.522	29.712	Peak	36.810	74.00	-7.478
5470.000	66.474	29.649	Peak	36.825	68.20	-1.726
5497.500	112.413	75.543	Peak	36.870	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

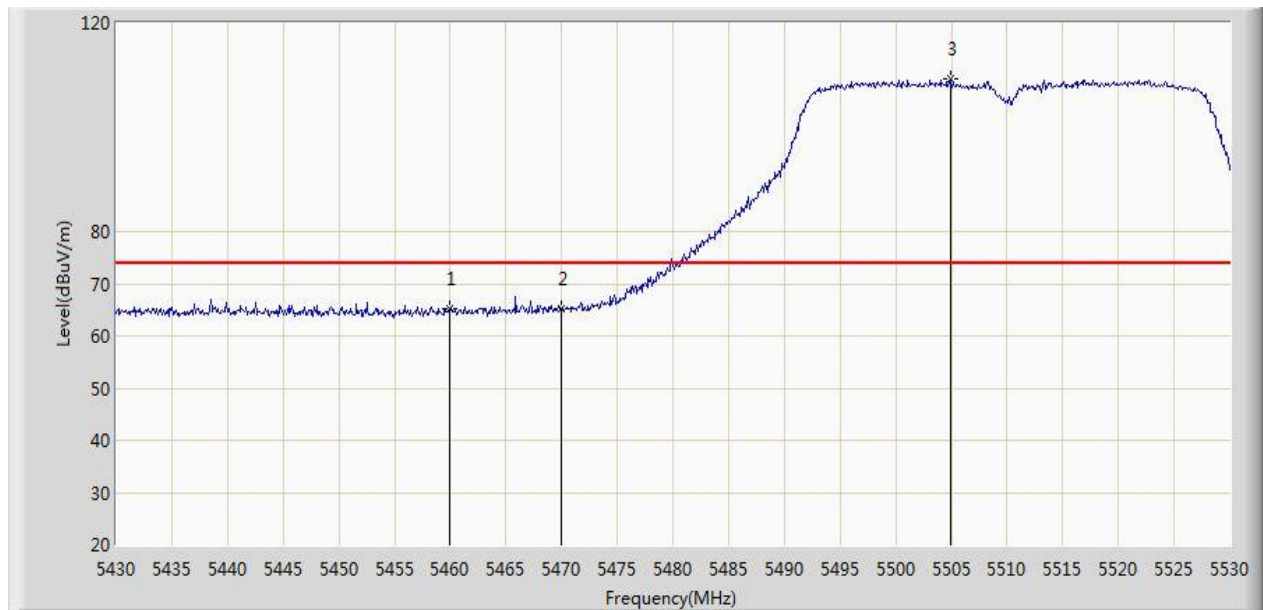
Tested by	Roy	Test Data	2014-01-13- 19:39:56
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5510MHz			



Freq (MHz)	Level (dBμV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5440.000	53.666	16.898	Average	36.768	54.00	-0.334
5460.000	52.342	15.532	Average	36.810	54.00	-1.658
5497.400	95.974	59.104	Average	36.870	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

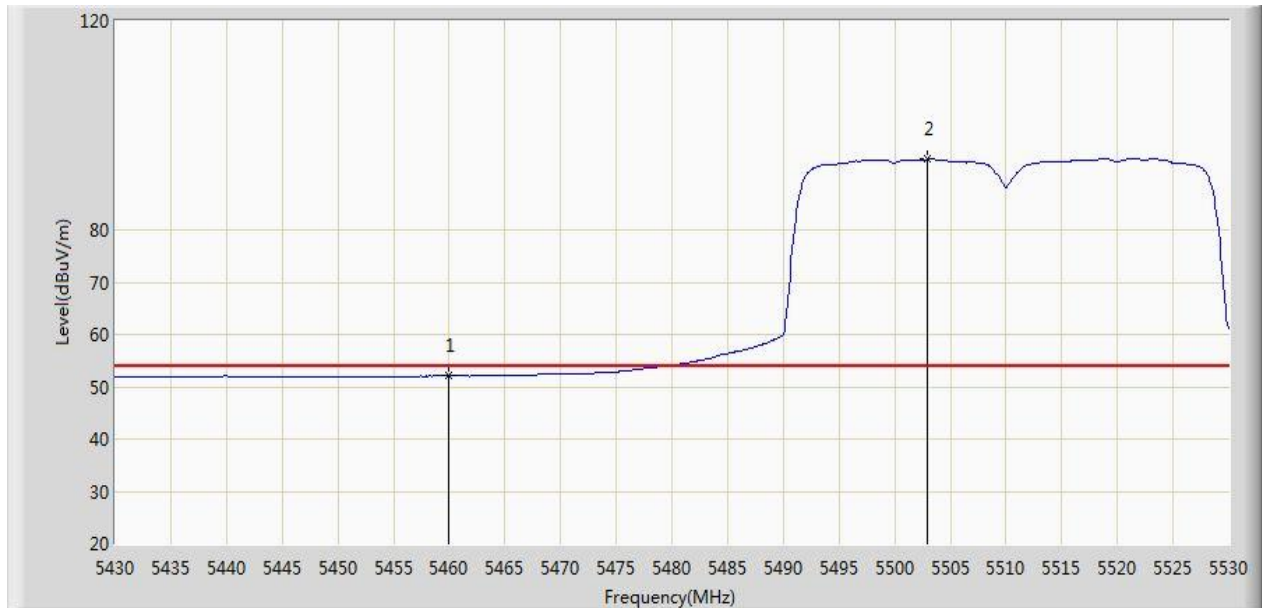
Tested by	Roy	Test Data	2014-01-13- 19:40:29
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5510MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5460.000	65.264	28.454	Peak	36.810	74.00	-8.736
5470.000	65.137	28.312	Peak	36.825	68.20	-3.063
5504.900	109.420	72.536	Peak	36.884	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

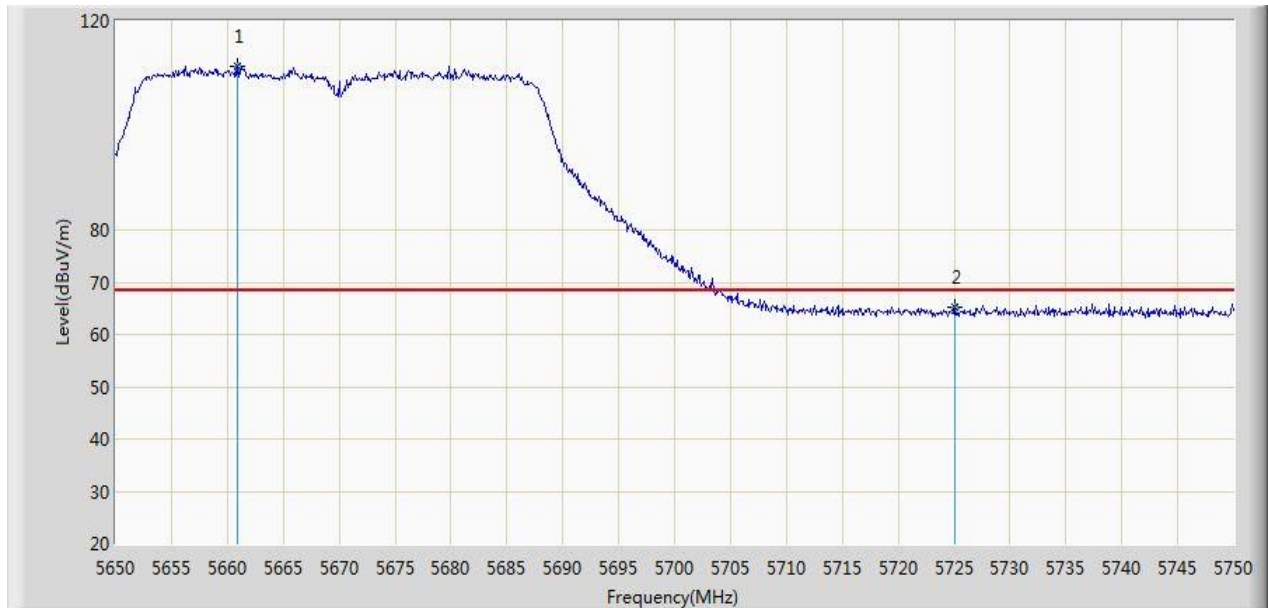
Tested by	Roy	Test Data	2014-01-13- 19:42:43
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.209_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5510MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5460.000	52.042	15.232	Average	36.810	54.00	-1.958
5502.900	93.485	56.605	Average	36.880	N/A	N/A

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

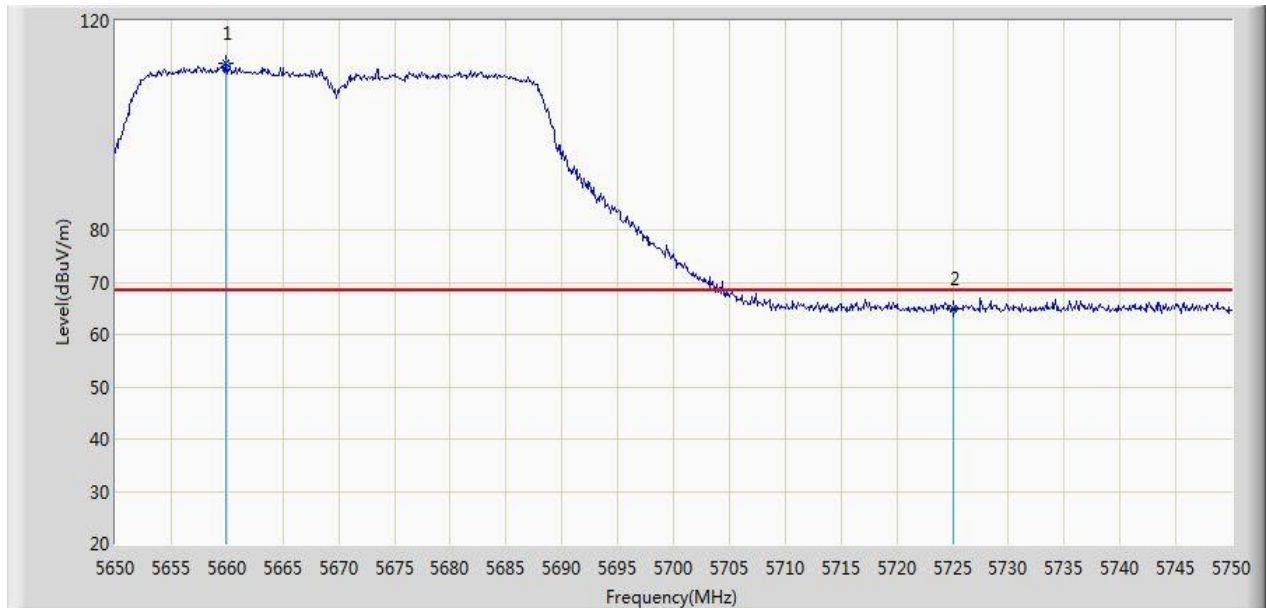
Tested by	Roy	Test Data	2014-01-13- 20:11:48
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.407_RE	Polarity	Horizontal
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5670MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5660.900	111.349	74.279	Peak	37.071	N/A	N/A
5725.000	65.083	27.778	Peak	37.305	68.20	-3.117

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

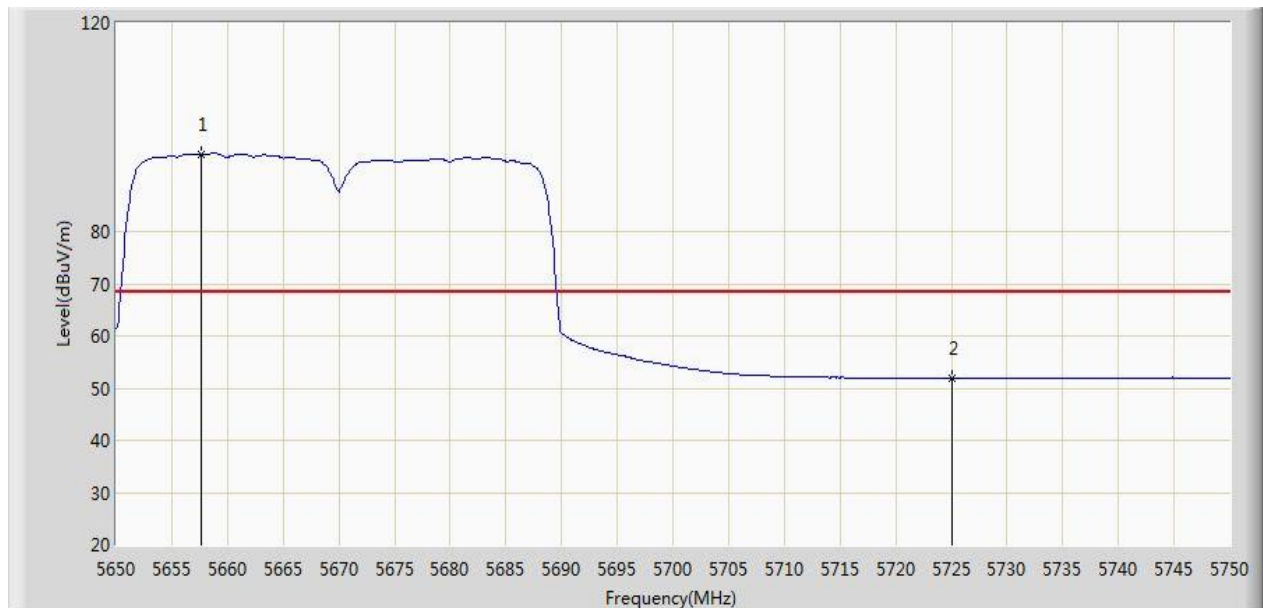
Tested by	Roy	Test Data	2014-01-13- 20:14:46
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.407_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5670MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5659.900	111.907	74.839	Peak	37.15	N/A	N/A
5725.000	64.916	27.611	Peak	37.31	68.20	-3.284

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

Tested by	Roy	Test Data	2014-01-13- 20:19:27
Site	AC1	Power	DC 48V
Limit	FCC_PART 15.407_RE	Polarity	Vertical
Antenna	BBHA_9120D	EUT	Microwave Outdoor Unit
40MHz Channel Bandwidth - Channel 5670MHz			



Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	C.F (dB)	Limit (dBuV/m)	Over Limit (dB)
5657.700	94.815	57.751	Average	37.063	N/A	N/A
5725.000	51.925	14.620	Average	37.305	68.30	-16.375

Remarks: C.F (Correction Factor) = Antenna Factor + Cable Loss

7.10. AC Conducted Emissions Measurement §15.207; RSS-Gen [7.2.4]

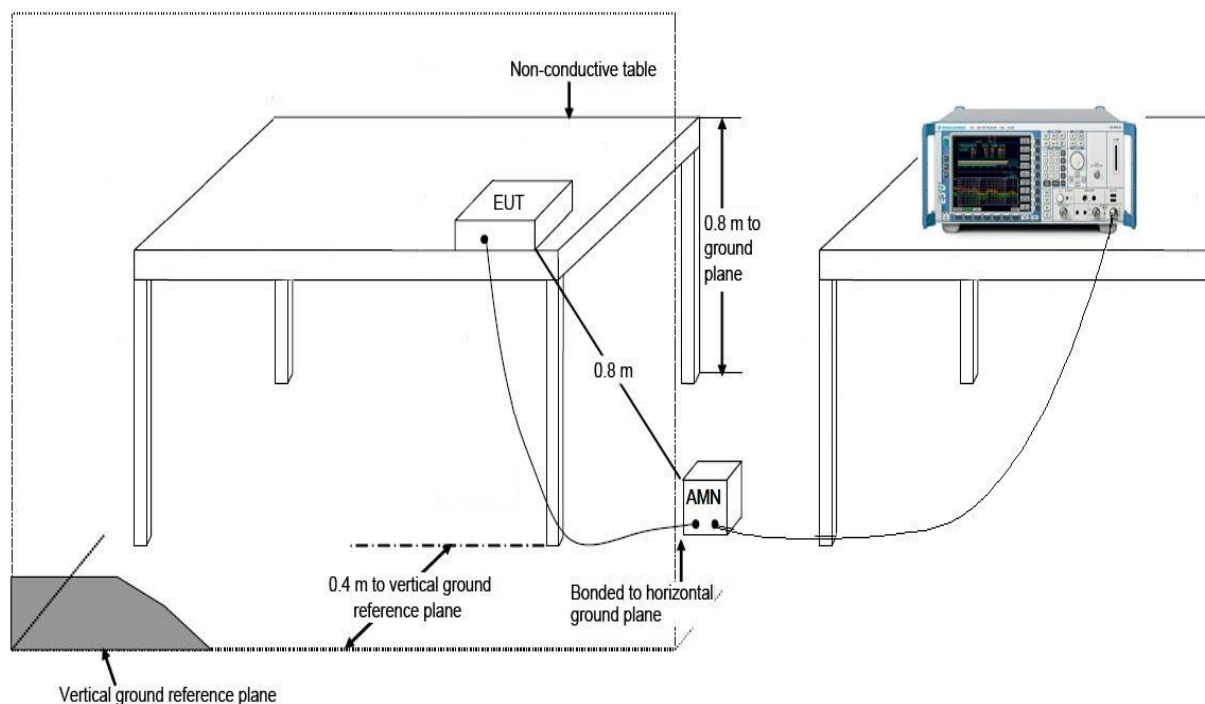
7.10.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 & RSS-Gen Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
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.

7.10.2. Test Setup



7.10.3. Test Result

The EUT is powered by POE and worked in DC network. It's not applicable for conducted emission test.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Microwave Outdoor Unit FCC ID: QB8LT5G** is in compliance with Part 15E of the FCC Rules.

The End