

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT20 (CDD Mode)	Test Channel	157
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
	8182.5	37.7	11.4	49.1	74.0	-24.9	Peak	Horizontal
*	8684.0	37.2	12.9	50.1	68.2	-18.1	Peak	Horizontal
	11570.6	37.6	15.6	53.2	74.0	-20.8	Peak	Horizontal
	11570.6	26.2	15.6	41.8	54.0	-12.2	Average	Horizontal
*	15144.0	40.1	17.0	57.1	68.2	-11.1	Peak	Horizontal
	8463.0	34.6	11.4	46.0	74.0	-28.0	Peak	Vertical
*	8786.0	37.2	12.8	50.0	68.2	-18.2	Peak	Vertical
*	10316.0	37.0	15.8	52.8	68.2	-15.4	Peak	Vertical
	11568.7	44.5	15.6	60.1	74.0	-13.9	Peak	Vertical
	11568.7	31.9	15.6	47.5	54.0	-6.5	Average	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT20 (CDD Mode)	Test Channel	165
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
	7400.5	36.8	10.7	47.5	74.0	-26.5	Peak	Horizontal
	8148.5	36.4	11.3	47.7	74.0	-26.3	Peak	Horizontal
*	8701.0	36.2	13.0	49.2	68.2	-19.0	Peak	Horizontal
*	9959.0	36.9	14.8	51.7	68.2	-16.5	Peak	Horizontal
	8276.0	35.9	11.2	47.1	74.0	-26.9	Peak	Vertical
*	8896.5	36.4	12.9	49.3	68.2	-18.9	Peak	Vertical
*	10511.5	36.3	16.1	52.4	68.2	-15.8	Peak	Vertical
	11650.0	41.1	15.3	56.4	74.0	-17.6	Peak	Vertical
	11650.0	31.0	15.3	46.3	54.0	-7.7	Average	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT40 (CDD Mode)	Test Channel	38
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
	7383.5	36.3	10.8	47.1	74.0	-26.9	Peak	Horizontal
*	8726.5	34.5	12.8	47.3	68.2	-20.9	Peak	Horizontal
*	9763.5	35.7	15.2	50.9	68.2	-17.3	Peak	Horizontal
	10920.2	37.0	16.5	53.5	74.0	-20.5	Peak	Horizontal
	10920.2	26.5	16.5	43.0	54.0	-11.0	Average	Horizontal
	8114.5	37.1	11.6	48.7	74.0	-25.3	Peak	Vertical
*	8862.5	36.1	12.9	49.0	68.2	-19.2	Peak	Vertical
*	10392.5	42.8	16.0	58.8	68.2	-9.4	Peak	Vertical
	15571.6	39.7	15.2	54.9	74.0	-19.1	Peak	Vertical
	15571.6	25.5	15.2	40.7	54.0	-13.3	Average	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT40 (CDD Mode)	Test Channel	46
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
	8216.5	38.4	11.4	49.8	74.0	-24.2	Peak	Horizontal
*	8735.0	35.9	12.7	48.6	68.2	-19.6	Peak	Horizontal
*	10443.5	38.3	15.9	54.2	68.2	-14.0	Peak	Horizontal
	15693.7	41.9	15.0	56.9	74.0	-17.1	Peak	Horizontal
	15693.7	31.6	15.0	46.6	54.0	-7.4	Average	Horizontal
	8216.5	36.7	11.4	48.1	74.0	-25.9	Peak	Vertical
*	8803.0	36.5	13.0	49.5	68.2	-18.7	Peak	Vertical
*	10460.5	47.5	15.9	63.4	68.2	-4.8	Peak	Vertical
	15696.7	43.9	15.0	58.9	74.0	-15.1	Peak	Vertical
	15696.7	33.8	15.0	48.8	54.0	-5.2	Average	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT40 (CDD Mode)	Test Channel	151
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
	7341.0	36.6	10.9	47.5	74.0	-26.5	Peak	Horizontal
*	8811.5	35.6	13.3	48.9	68.2	-19.3	Peak	Horizontal
*	9908.0	34.9	15.2	50.1	68.2	-18.1	Peak	Horizontal
	11344.5	35.4	16.0	51.4	74.0	-22.6	Peak	Horizontal
	7341.0	36.3	10.9	47.2	74.0	-26.8	Peak	Vertical
	8148.5	37.7	11.3	49.0	74.0	-25.0	Peak	Vertical
*	8743.5	36.2	12.8	49.0	68.2	-19.2	Peak	Vertical
*	9899.5	35.5	15.1	50.6	68.2	-17.6	Peak	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT40 (CDD Mode)	Test Channel	159
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
*	7808.5	39.5	11.0	50.5	68.2	-17.7	Peak	Horizontal
	8250.5	37.1	11.4	48.5	74.0	-25.5	Peak	Horizontal
*	8709.5	37.8	12.9	50.7	68.2	-17.5	Peak	Horizontal
	11591.4	39.5	15.6	55.1	74.0	-18.9	Peak	Horizontal
	11591.4	28.6	15.6	44.2	54.0	-9.8	Average	Horizontal
	8199.5	36.5	11.4	47.9	74.0	-26.1	Peak	Vertical
*	9908.0	37.0	15.2	52.2	68.2	-16.0	Peak	Vertical
	11599.5	41.6	15.8	57.4	74.0	-16.6	Peak	Vertical
*	17362.5	41.0	18.1	59.1	68.2	-9.1	Peak	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT80 (CDD Mode)	Test Channel	42
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
	7451.5	37.0	11.0	48.0	74.0	-26.0	Peak	Horizontal
*	8743.5	35.7	12.8	48.5	68.2	-19.7	Peak	Horizontal
*	9899.5	36.6	15.1	51.7	68.2	-16.5	Peak	Horizontal
	11021.5	35.4	16.3	51.7	74.0	-22.3	Peak	Horizontal
	7494.0	37.2	10.8	48.0	74.0	-26.0	Peak	Vertical
*	9270.5	37.3	14.4	51.7	68.2	-16.5	Peak	Vertical
*	10435.0	40.4	16.4	56.8	68.2	-11.4	Peak	Vertical
	11498.5	37.3	16.2	53.5	74.0	-20.5	Peak	Vertical
	11498.5	26.5	16.2	42.7	54.0	-11.3	Average	Vertical

Note 1: “*” 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.

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

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

Product	Subscriber End Equipment HGW	Test Engineer	Buter Shi
Test Site	AC1	Test Date	2020/08/19
Test Mode	802.11ac-VHT80 (CDD Mode)	Test Channel	155
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
	7698.0	37.4	10.8	48.2	74.0	-25.8	Peak	Horizontal
*	8658.5	37.1	12.8	49.9	68.2	-18.3	Peak	Horizontal
*	9950.5	37.0	15.0	52.0	68.2	-16.2	Peak	Horizontal
	11566.2	38.0	15.6	53.6	74.0	-20.4	Peak	Horizontal
	11566.2	25.5	15.6	41.1	54.0	-12.9	Average	Horizontal
	7502.5	37.0	10.8	47.8	74.0	-26.2	Peak	Vertical
*	7961.5	36.6	11.6	48.2	68.2	-20.0	Peak	Vertical
*	10061.0	33.6	14.9	48.5	68.2	-19.7	Peak	Vertical
	11564.5	41.9	15.6	57.5	74.0	-16.5	Peak	Vertical
	11564.5	29.1	15.6	44.7	54.0	-9.3	Average	Vertical

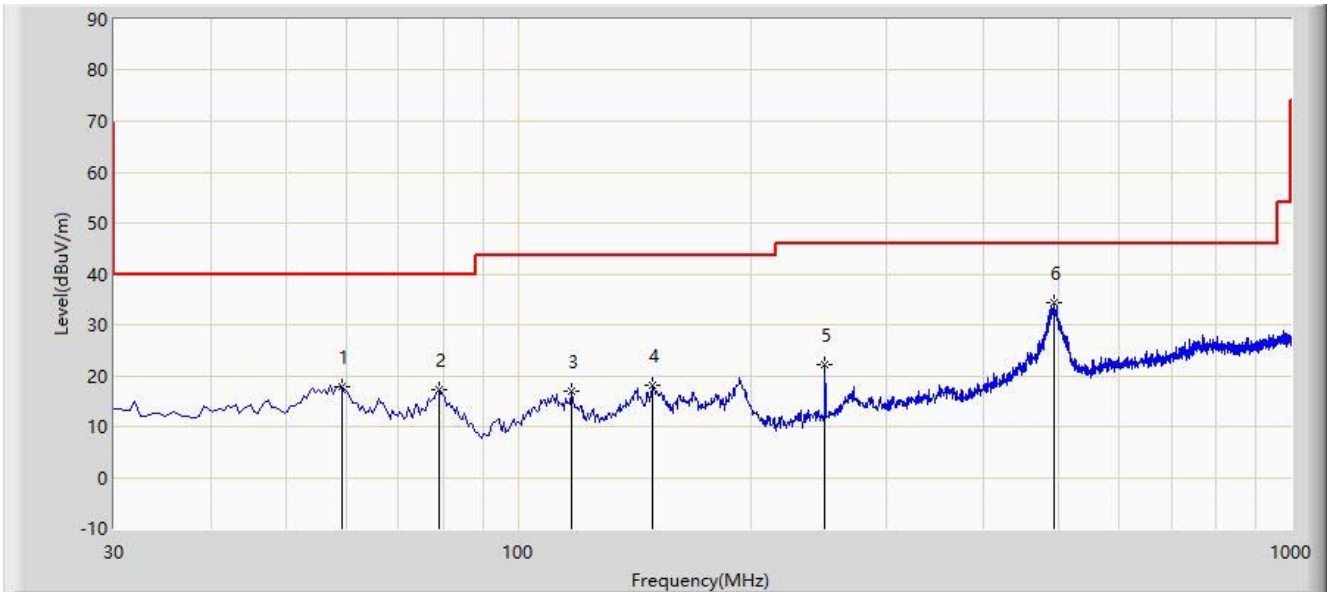
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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 below 1GHz:

Site: AC1	Time: 2020/08/16 - 13:03
Limit: FCC_Part15.209_RSE(3m)	Engineer: Antony Yang
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	



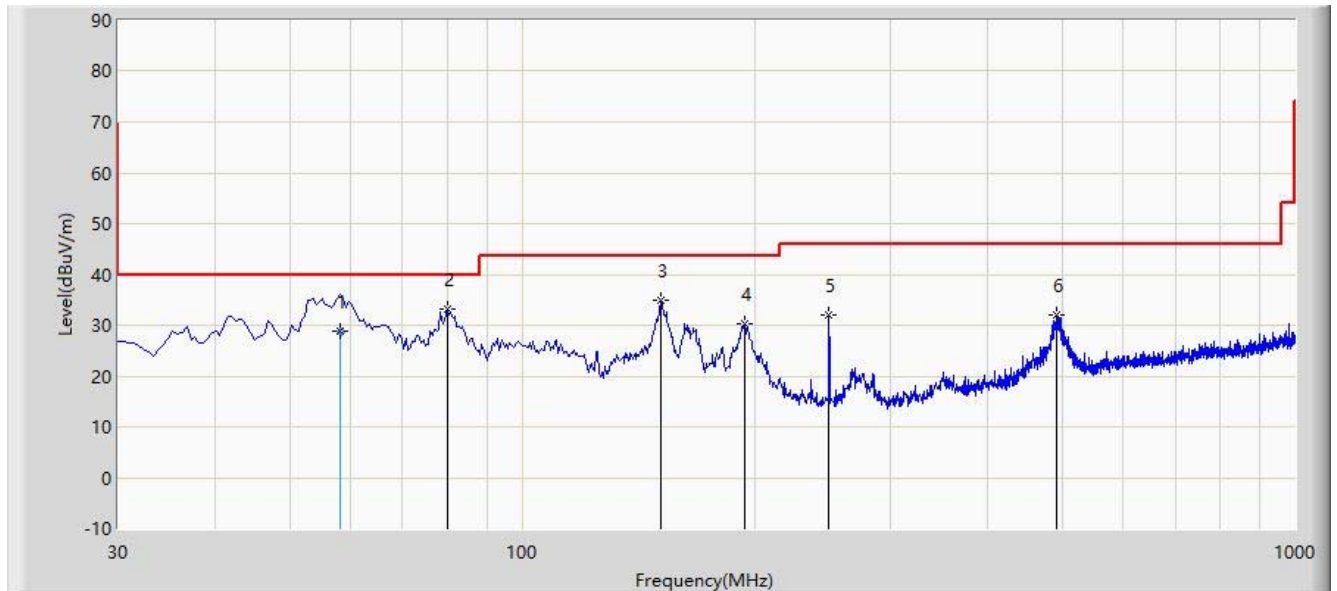
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			59.100	17.910	4.018	-22.090	40.000	13.892	PK
2			78.985	17.335	6.941	-22.665	40.000	10.393	PK
3			117.300	17.038	5.249	-26.462	43.500	11.789	PK
4			149.310	18.196	3.840	-25.304	43.500	14.356	PK
5			249.705	22.064	9.059	-23.936	46.000	13.005	PK
6		*	493.660	34.247	14.717	-11.753	46.000	19.530	PK

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: AC1	Time: 2020/08/16 - 13:04
Limit: FCC_Part15.209_RSE(3m)	Engineer: Antony Yang
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			58.130	28.741	14.680	-11.259	40.000	14.061	QP
2		*	79.955	33.238	23.153	-6.762	40.000	10.084	PK
3			151.250	34.959	20.514	-8.541	43.500	14.445	PK
4			194.415	30.356	19.008	-13.144	43.500	11.348	PK
5			249.705	31.911	18.906	-14.089	46.000	13.005	PK
6			491.235	32.066	12.624	-13.934	46.000	19.442	PK

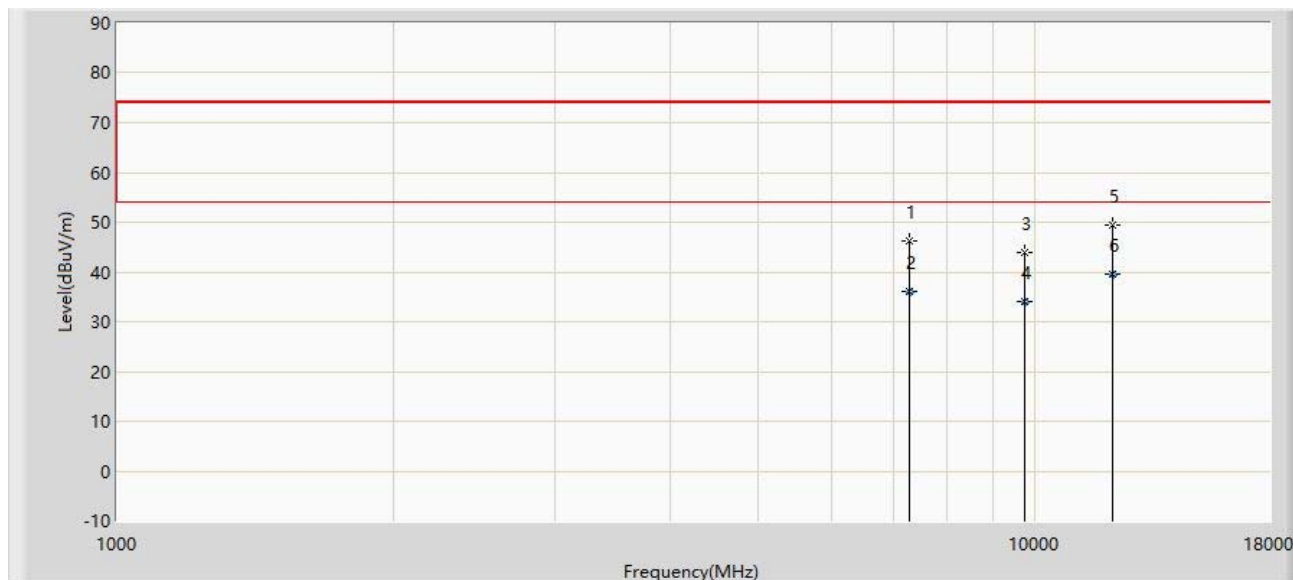
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Result of Radiated Emissions for Co-location

Test Mode:	Wi-Fi 2.4GHz + Wi-Fi 5G Transmit	Test Site:	AC2
Test Engineer:	Hyde Yu	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		

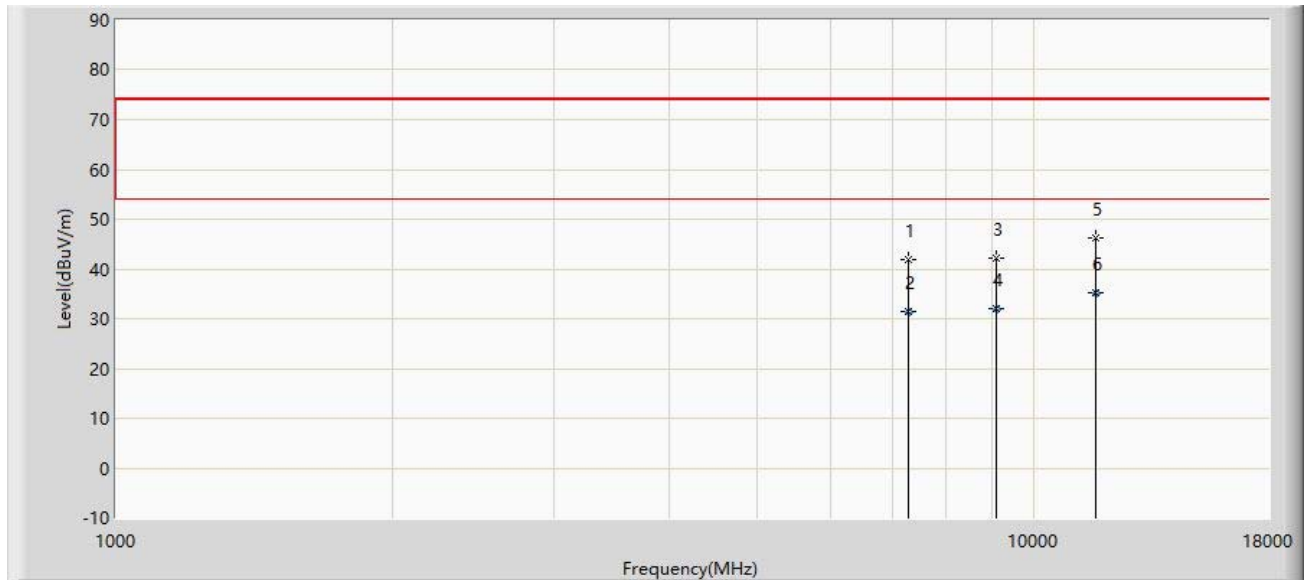


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			7307.000	46.246	38.156	-27.754	74.000	8.091	PK
2			7307.000	36.220	28.130	-17.780	54.000	8.091	AV
3			9746.500	43.964	33.194	-30.036	74.000	10.771	PK
4			9746.500	33.920	23.150	-20.080	54.000	10.771	AV
5			12135.000	49.336	33.143	-24.664	74.000	16.193	PK
6		*	12135.000	39.643	23.450	-14.357	54.000	16.193	AV

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

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

Test Mode:	Wi-Fi 2.4GHz + Wi-Fi 5G Transmit	Test Site:	AC2
Test Engineer:	Hyde Yu	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			7307.000	41.842	33.752	-32.158	74.000	8.091	PK
2			7307.000	31.550	23.460	-22.450	54.000	8.091	AV
3			9109.000	42.088	31.377	-31.912	74.000	10.711	PK
4			9109.000	32.171	21.460	-21.829	54.000	10.711	AV
5			11676.000	46.098	29.911	-27.902	74.000	16.187	PK
6		*	11676.000	35.337	19.150	-18.663	54.000	16.187	AV

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

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

6.9. Radiated Restricted Band Edge Measurement

6.9.1. 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).

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	8.025 - 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)
13.36-13.41	--	--	--

For 15.407(b) Requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz

that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength (μ V/m)	Measured Distance (m)
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

6.9.2. Test Procedure Used

KDB 789033 D02v02r01 - Section G

6.9.3.Test Setting

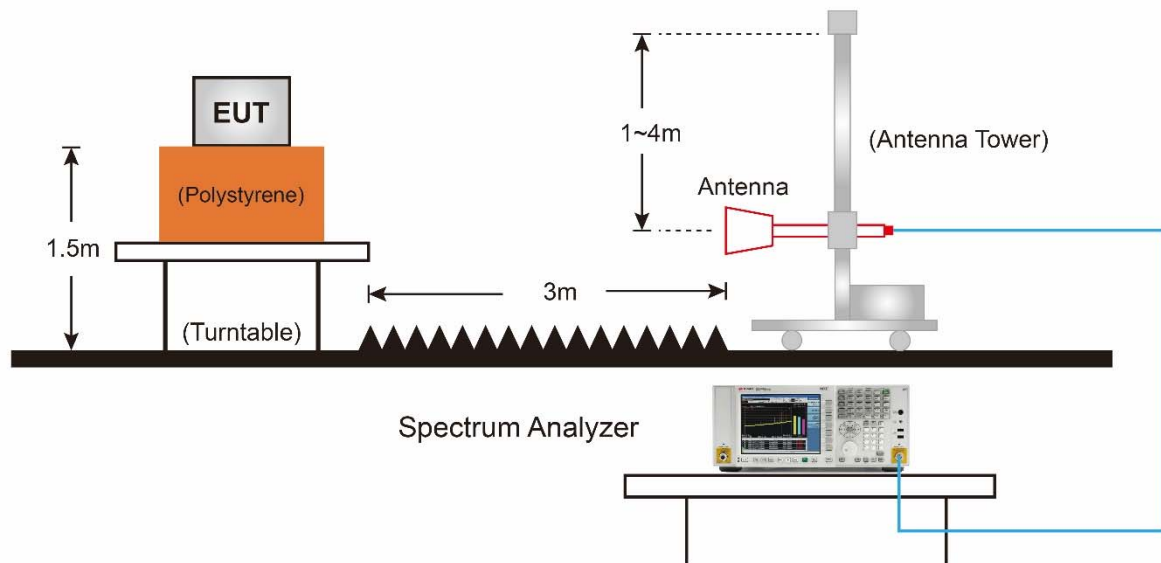
Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

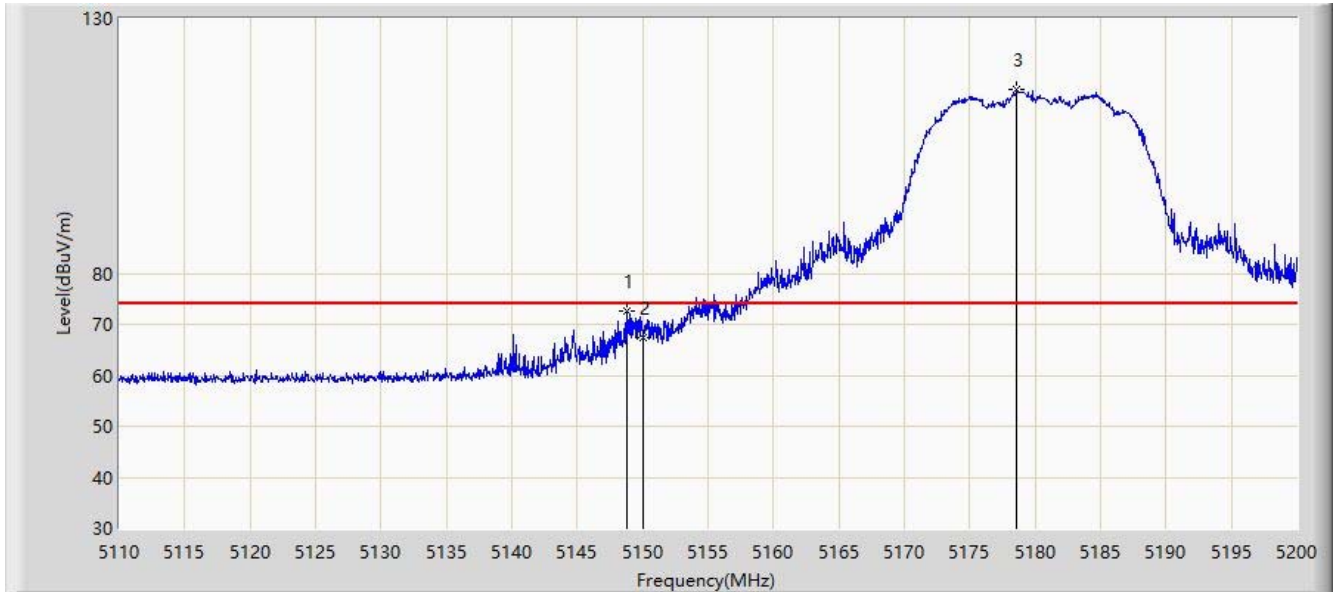
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz
4. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.9.4. Test Setup



6.9.5. Test Result

Site: AC1	Time: 2020/08/17 - 15:35
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz (CDD Mode)	

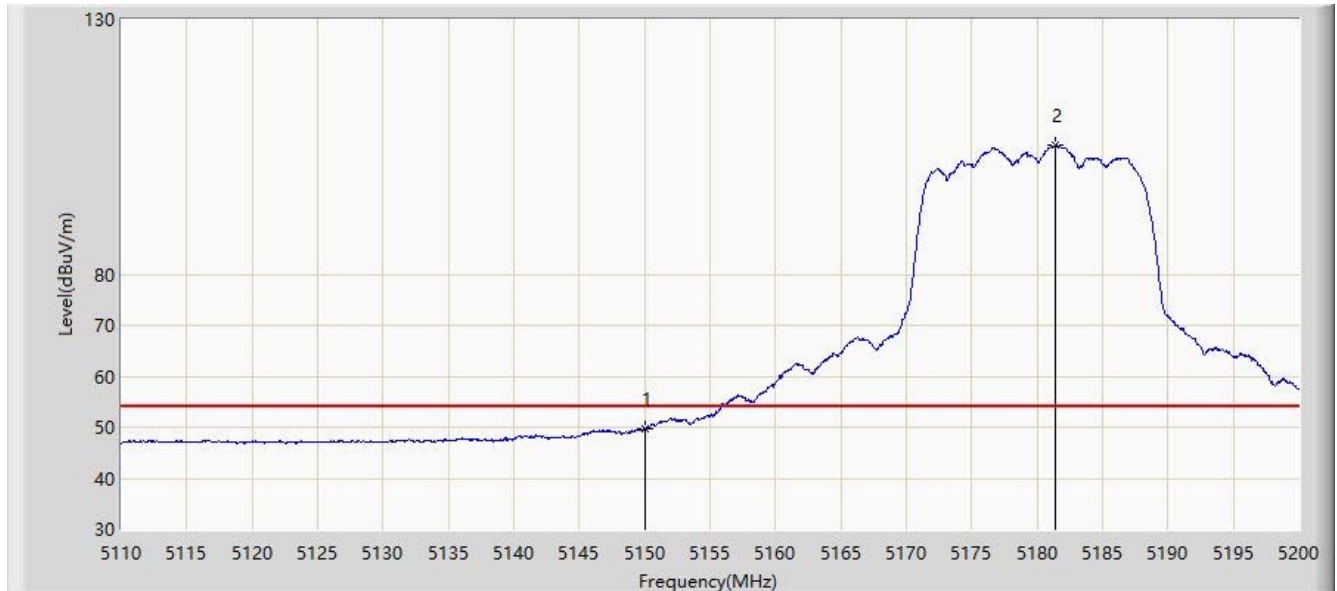


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.835	72.617	72.225	-1.383	74.000	0.392	PK
2			5150.000	67.354	66.952	-6.646	74.000	0.402	PK
3		*	5178.625	115.980	115.612	N/A	N/A	0.368	PK

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

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

Site: AC1	Time: 2020/08/17 - 15:37
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz (CDD Mode)	

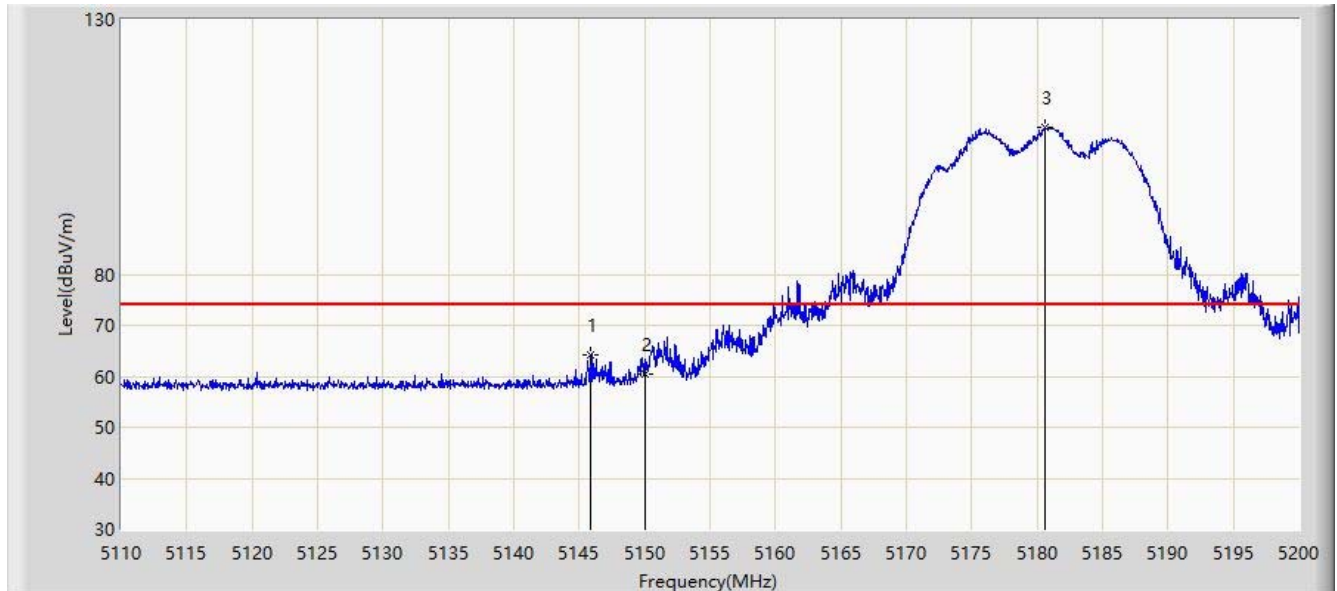


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.604	49.202	-4.396	54.000	0.402	AV
2		*	5181.370	105.369	105.032	N/A	N/A	0.336	AV

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

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

Site: AC1	Time: 2020/08/17 - 15:40
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.820	64.132	63.766	-9.868	74.000	0.366	PK
2			5150.000	60.557	60.155	-13.443	74.000	0.402	PK
3		*	5180.605	108.772	108.427	N/A	N/A	0.346	PK

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

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

Site: AC1	Time: 2020/08/17 - 15:39
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz (CDD Mode)	

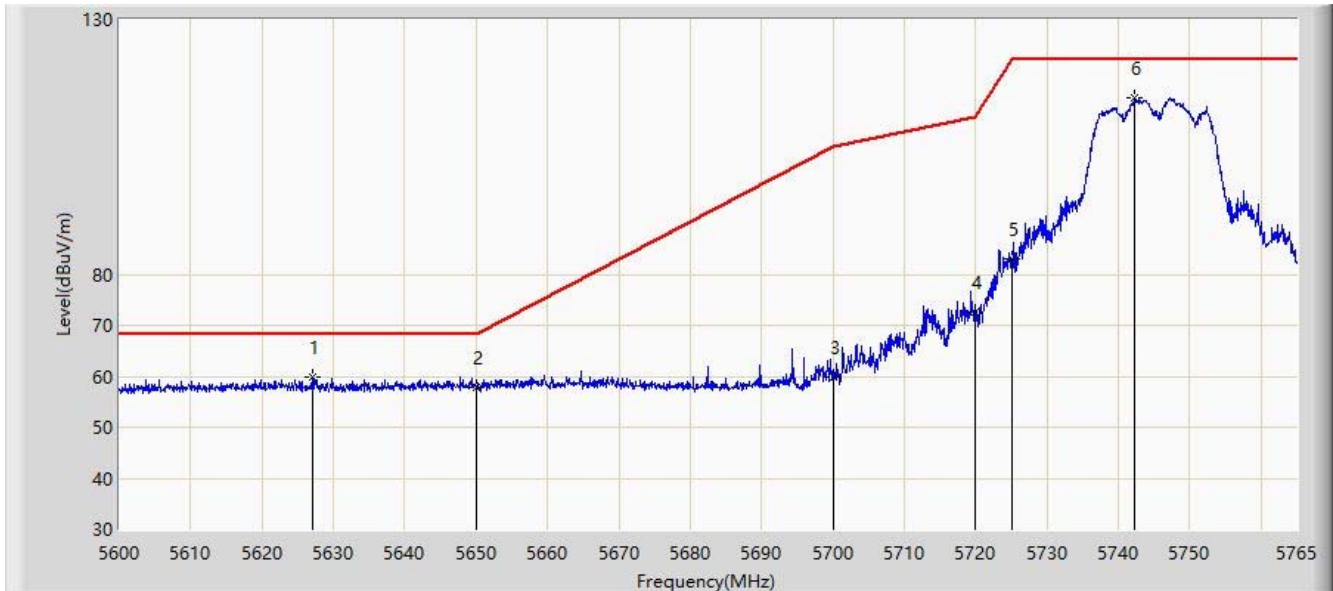


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.332	46.930	-6.668	54.000	0.402	AV
2		*	5180.785	99.450	99.107	N/A	N/A	0.344	AV

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

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

Site: AC1	Time: 2020/08/20 - 21:04
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz (CDD Mode)	

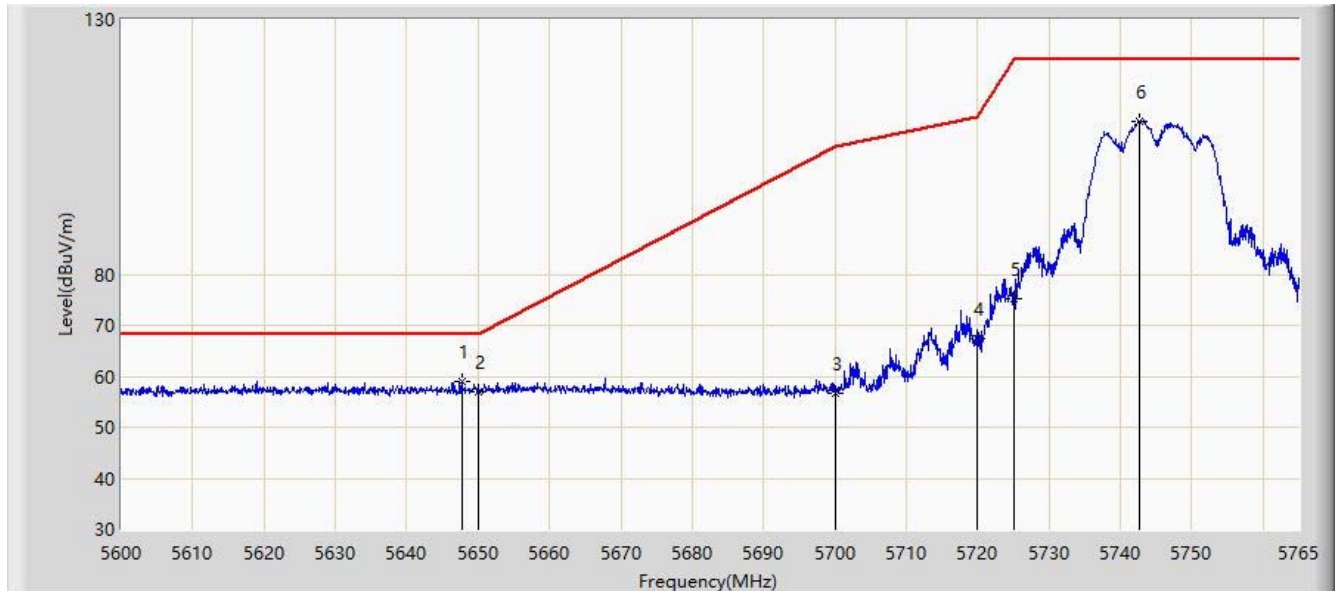


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5627.060	59.742	58.603	-8.458	68.200	1.139	PK
2			5650.000	57.908	56.535	-10.292	68.200	1.373	PK
3			5700.000	59.786	58.522	-45.414	105.200	1.264	PK
4			5720.000	72.591	71.129	-38.209	110.800	1.462	PK
5			5725.000	83.064	81.631	-39.136	122.200	1.433	PK
6		*	5742.312	114.762	113.391	N/A	N/A	1.370	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:13
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz (CDD Mode)	

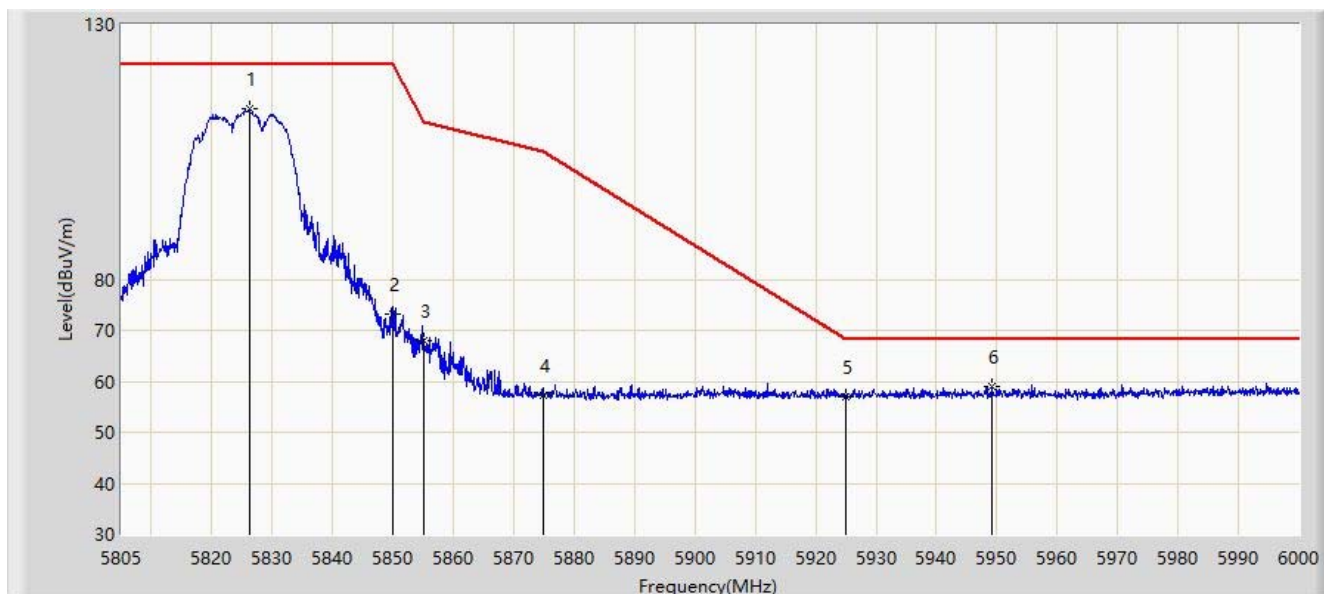


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5647.685	58.880	57.555	-9.320	68.200	1.325	PK
2			5650.000	56.847	55.474	-11.353	68.200	1.373	PK
3			5700.000	56.786	55.522	-48.414	105.200	1.264	PK
4			5720.000	67.403	65.941	-43.397	110.800	1.462	PK
5			5725.000	75.324	73.891	-46.876	122.200	1.433	PK
6			5742.725	110.126	108.751	N/A	N/A	1.375	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:15
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz (CDD Mode)	

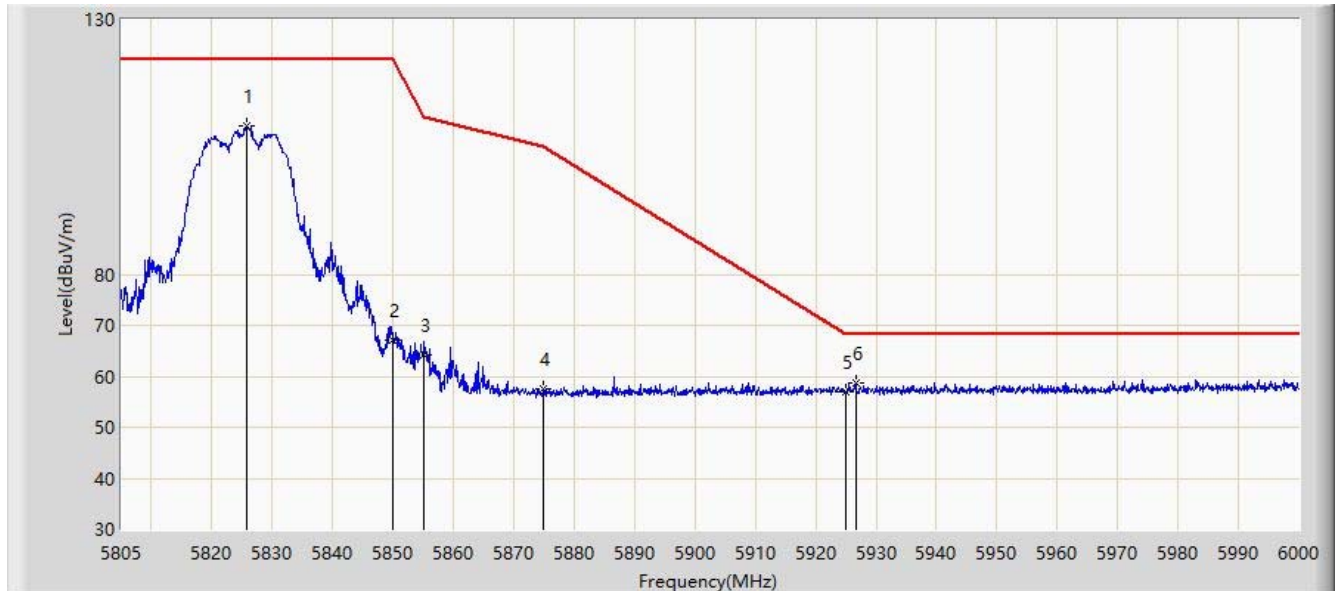


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.158	113.422	111.854	N/A	N/A	1.568	PK
2			5850.000	73.075	71.282	-49.125	122.200	1.792	PK
3			5855.000	67.862	66.060	-42.938	110.800	1.802	PK
4			5875.000	57.358	55.487	-47.842	105.200	1.872	PK
5			5925.000	57.088	55.019	-11.112	68.200	2.069	PK
6			5949.203	59.116	57.072	-9.084	68.200	2.044	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:18
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz (CDD Mode)	

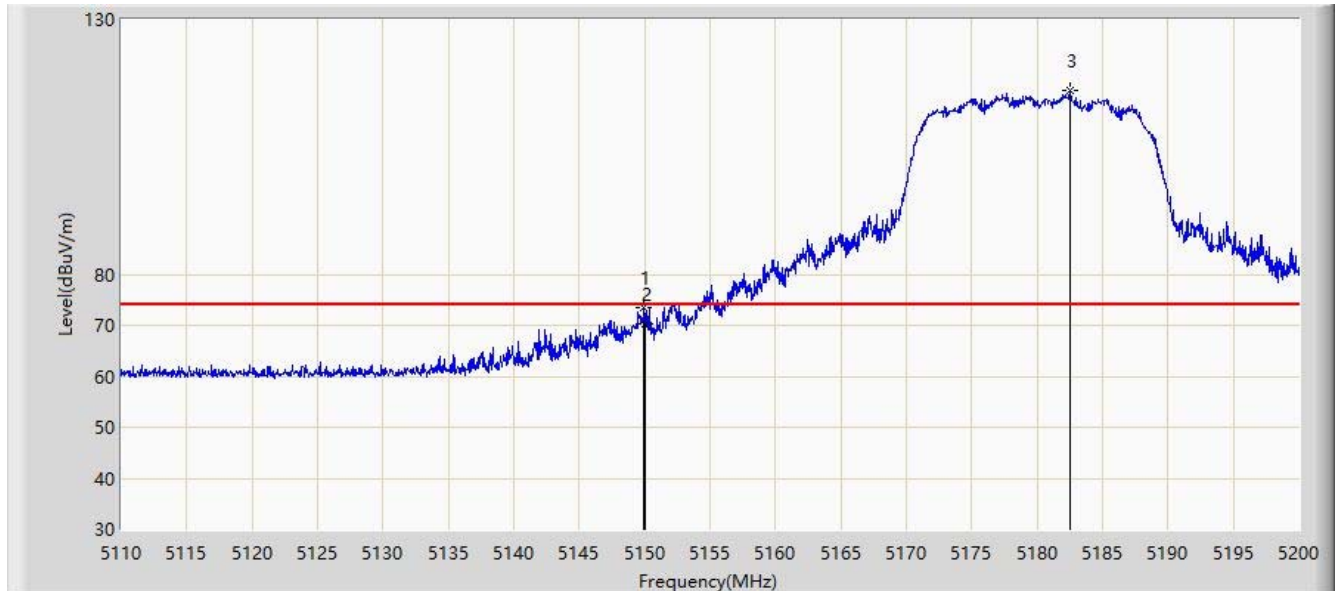


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5825.670	109.044	107.472	N/A	N/A	1.572	PK
2			5850.000	67.234	65.441	-54.966	122.200	1.792	PK
3			5855.000	64.079	62.277	-46.721	110.800	1.802	PK
4			5875.000	57.411	55.540	-47.789	105.200	1.872	PK
5			5925.000	57.022	54.953	-11.178	68.200	2.069	PK
6		*	5926.583	58.778	56.708	-9.422	68.200	2.070	PK

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

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

Site: AC1	Time: 2020/08/17 - 16:40
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.915	73.532	73.131	-0.468	74.000	0.401	PK
2			5150.000	70.369	69.967	-3.631	74.000	0.402	PK
3		*	5182.495	116.125	115.798	N/A	N/A	0.327	PK

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

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

Site: AC1	Time: 2020/08/17 - 16:44
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (CDD Mode)	

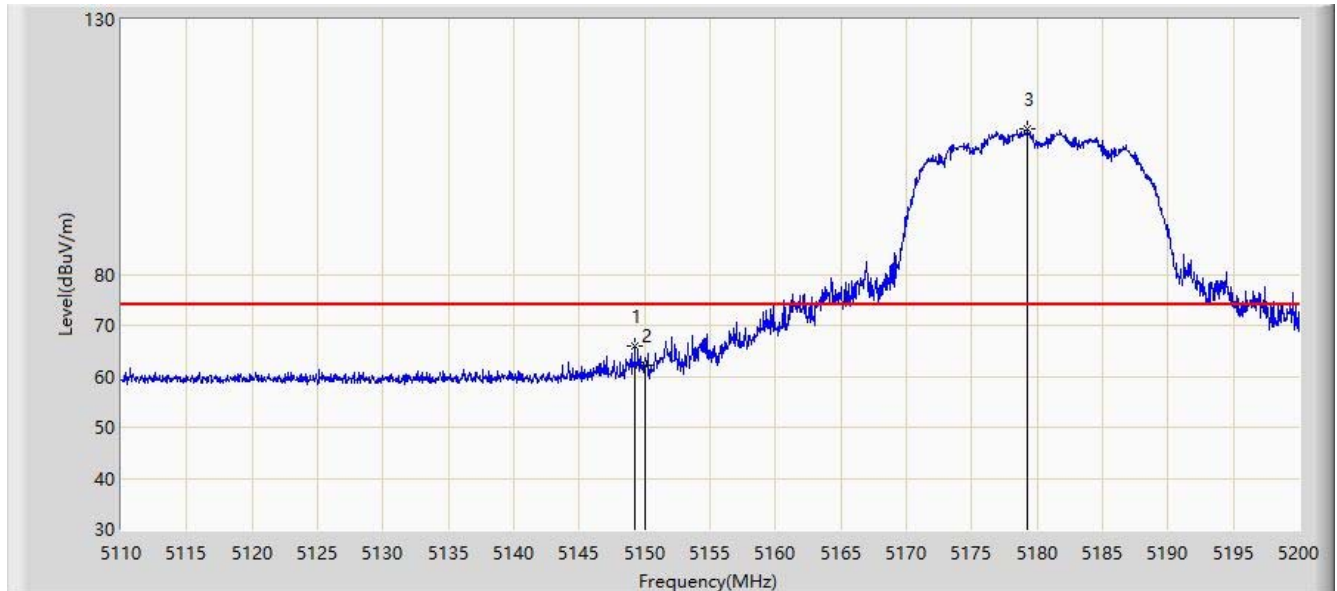


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.555	52.676	52.278	-1.324	54.000	0.399	AV
2			5150.000	52.208	51.806	-1.792	54.000	0.402	AV
3		*	5179.300	104.415	104.055	N/A	N/A	0.361	AV

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

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

Site: AC1	Time: 2020/08/17 - 16:48
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	65.908	65.512	-8.092	74.000	0.396	PK
2			5150.000	62.178	61.776	-11.822	74.000	0.402	PK
3		*	5179.300	108.420	108.060	N/A	N/A	0.361	PK

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

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

Site: AC1	Time: 2020/08/17 - 16:47
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (CDD Mode)	

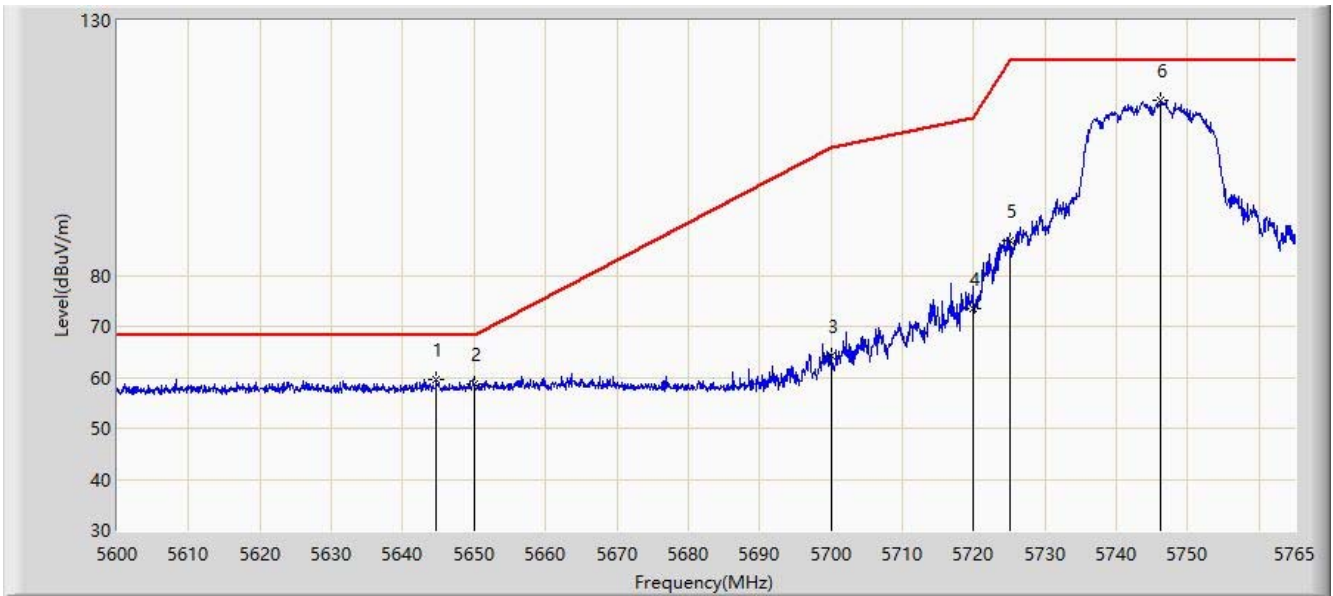


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.834	48.432	-5.166	54.000	0.402	AV
2		*	5179.075	98.542	98.179	N/A	N/A	0.363	AV

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

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

Site: AC1	Time: 2020/08/20 - 21:30
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz (CDD Mode)	

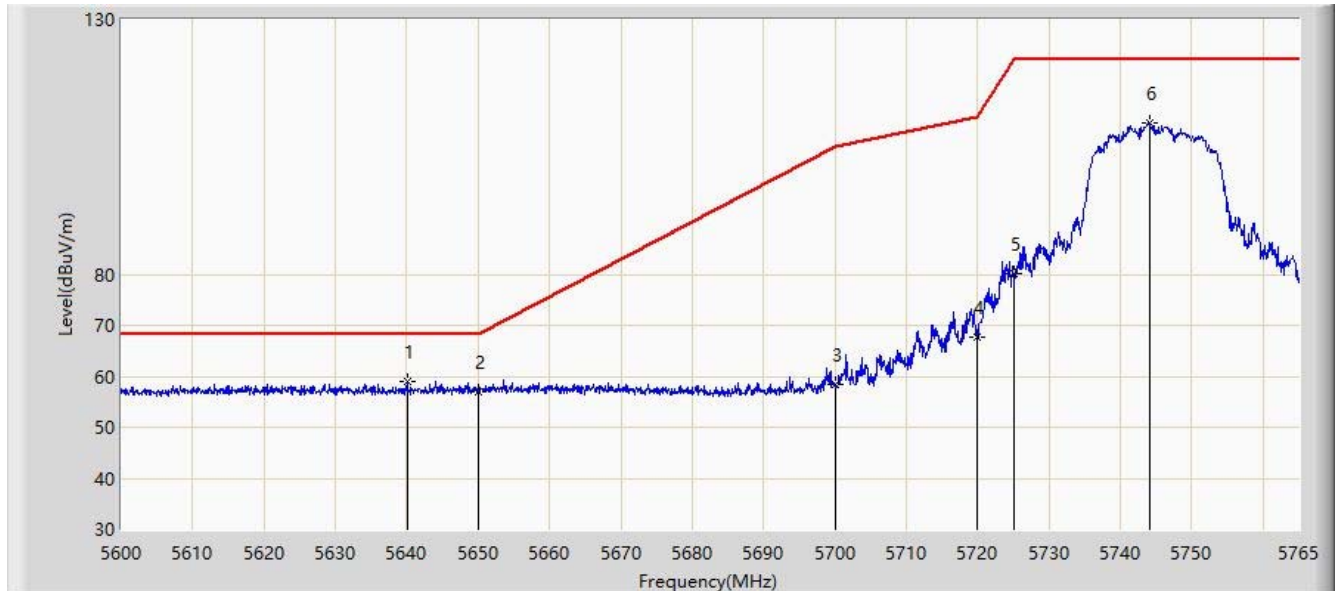


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.715	59.573	58.311	-8.627	68.200	1.262	PK
2			5650.000	58.559	57.186	-9.641	68.200	1.373	PK
3			5700.000	64.267	63.003	-40.933	105.200	1.264	PK
4			5720.000	73.622	72.160	-37.178	110.800	1.462	PK
5			5725.000	86.882	85.449	-35.318	122.200	1.433	PK
6		*	5746.272	114.306	112.851	N/A	N/A	1.454	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:33
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz(CDD Mode)	

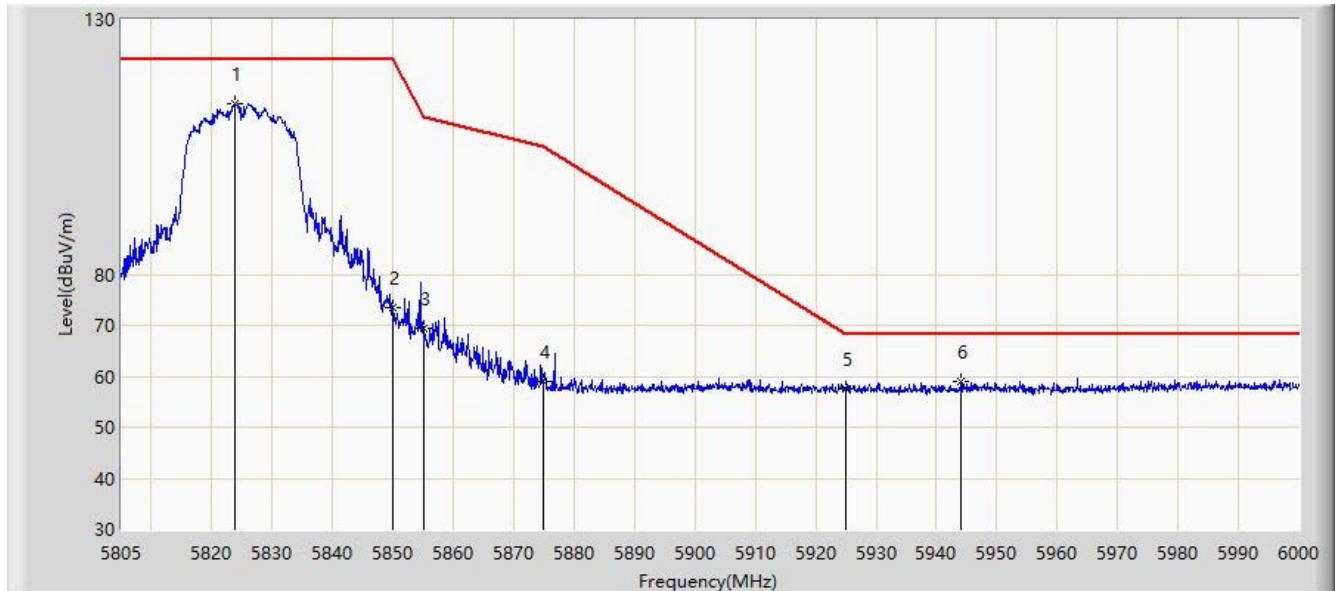


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5640.013	59.095	57.925	-9.105	68.200	1.170	PK
2			5650.000	56.919	55.546	-11.281	68.200	1.373	PK
3			5700.000	58.335	57.071	-46.865	105.200	1.264	PK
4			5720.000	67.763	66.301	-43.037	110.800	1.462	PK
5			5725.000	80.206	78.773	-41.994	122.200	1.433	PK
6			5744.045	109.701	108.299	N/A	N/A	1.402	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:35
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz (CDD Mode)	

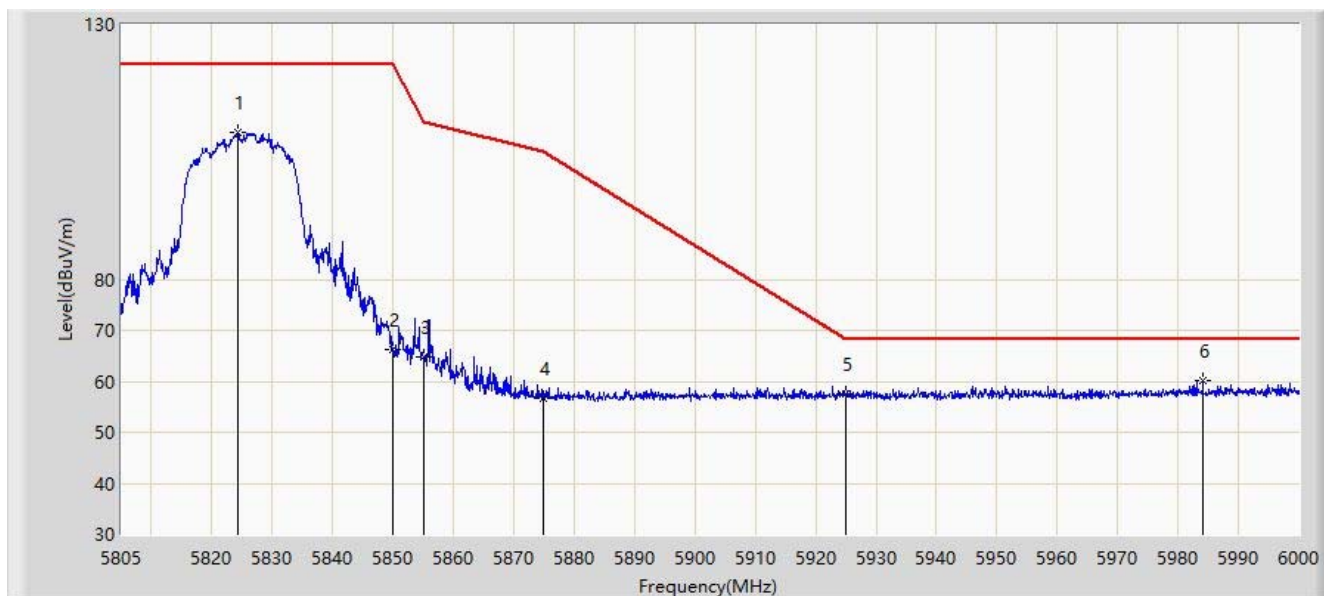


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.817	113.618	112.030	N/A	N/A	1.588	PK
2			5850.000	73.352	71.559	-48.848	122.200	1.792	PK
3			5855.000	69.333	67.531	-41.467	110.800	1.802	PK
4			5875.000	58.920	57.049	-46.280	105.200	1.872	PK
5			5925.000	57.483	55.414	-10.717	68.200	2.069	PK
6			5944.035	59.065	57.030	-9.135	68.200	2.035	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:38
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz (CDD Mode)	

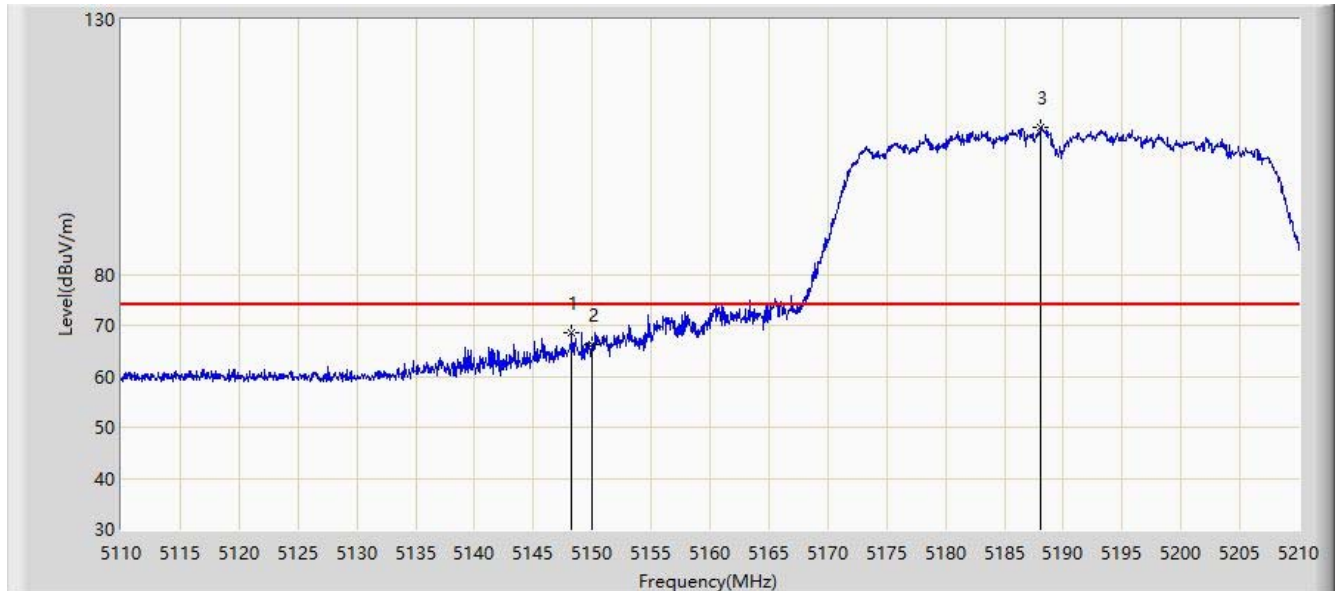


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.402	108.949	107.366	N/A	N/A	1.584	PK
2			5850.000	66.172	64.379	-56.028	122.200	1.792	PK
3			5855.000	64.660	62.858	-46.140	110.800	1.802	PK
4			5875.000	56.586	54.715	-48.614	105.200	1.872	PK
5			5925.000	57.535	55.466	-10.665	68.200	2.069	PK
6		*	5984.107	60.012	57.671	-8.188	68.200	2.341	PK

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

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

Site: AC1	Time: 2020/08/17 - 17:53
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (CDD Mode)	

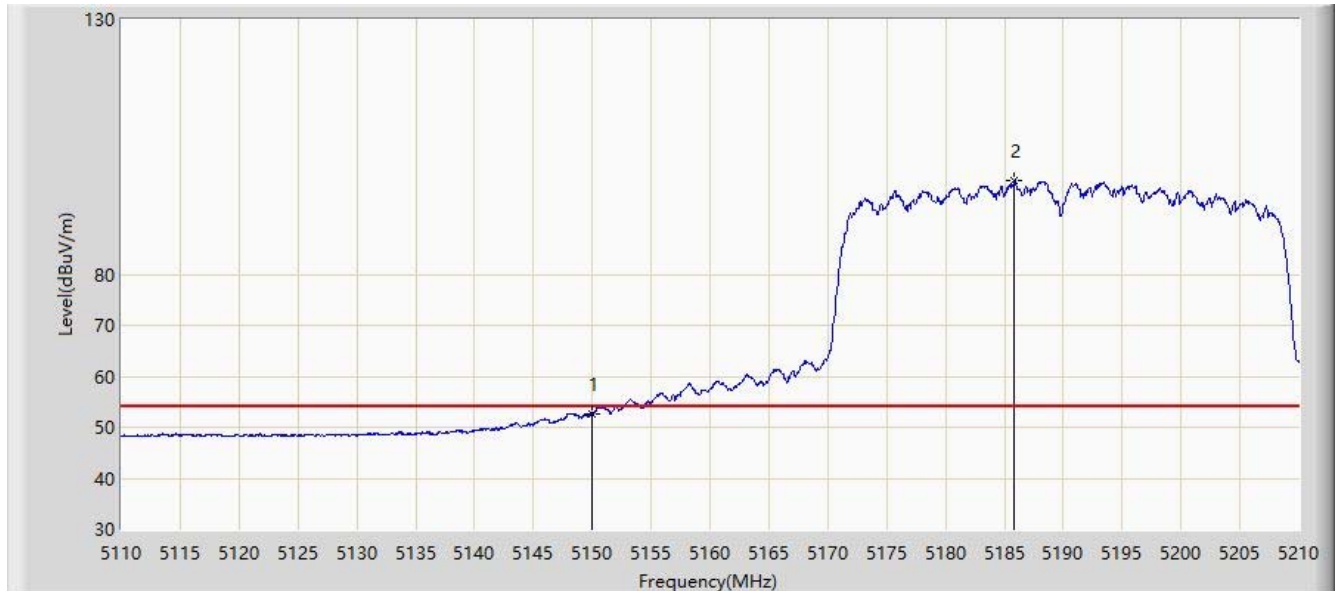


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.250	68.656	68.269	-5.344	74.000	0.387	PK
2			5150.000	66.202	65.800	-7.798	74.000	0.402	PK
3		*	5188.100	108.805	108.503	N/A	N/A	0.301	PK

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

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

Site: AC1	Time: 2020/08/17 - 17:50
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (CDD Mode)	

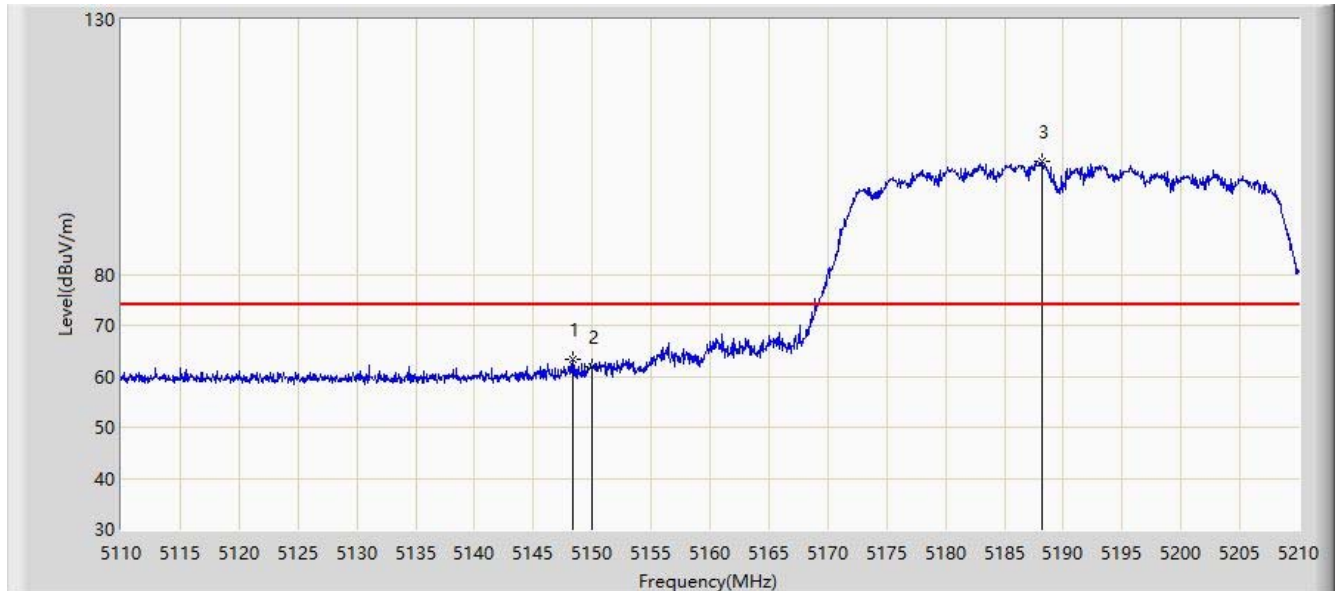


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.707	52.305	-1.293	54.000	0.402	AV
2		*	5185.850	98.314	98.003	N/A	N/A	0.311	AV

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

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

Site: AC1	Time: 2020/08/17 - 17:52
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (CDD Mode)	

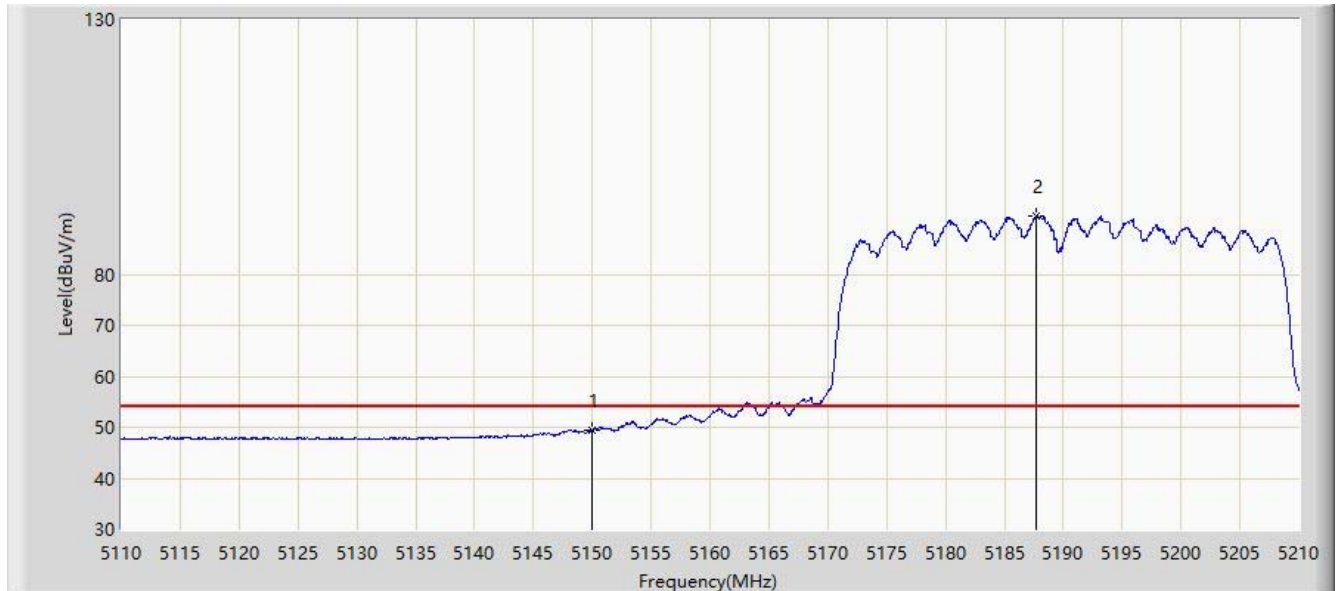


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	63.275	62.886	-10.725	74.000	0.389	PK
2			5150.000	61.796	61.394	-12.204	74.000	0.402	PK
3		*	5188.250	102.262	101.961	N/A	N/A	0.301	PK

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

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

Site: AC1	Time: 2020/08/17 - 17:51
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (CDD Mode)	

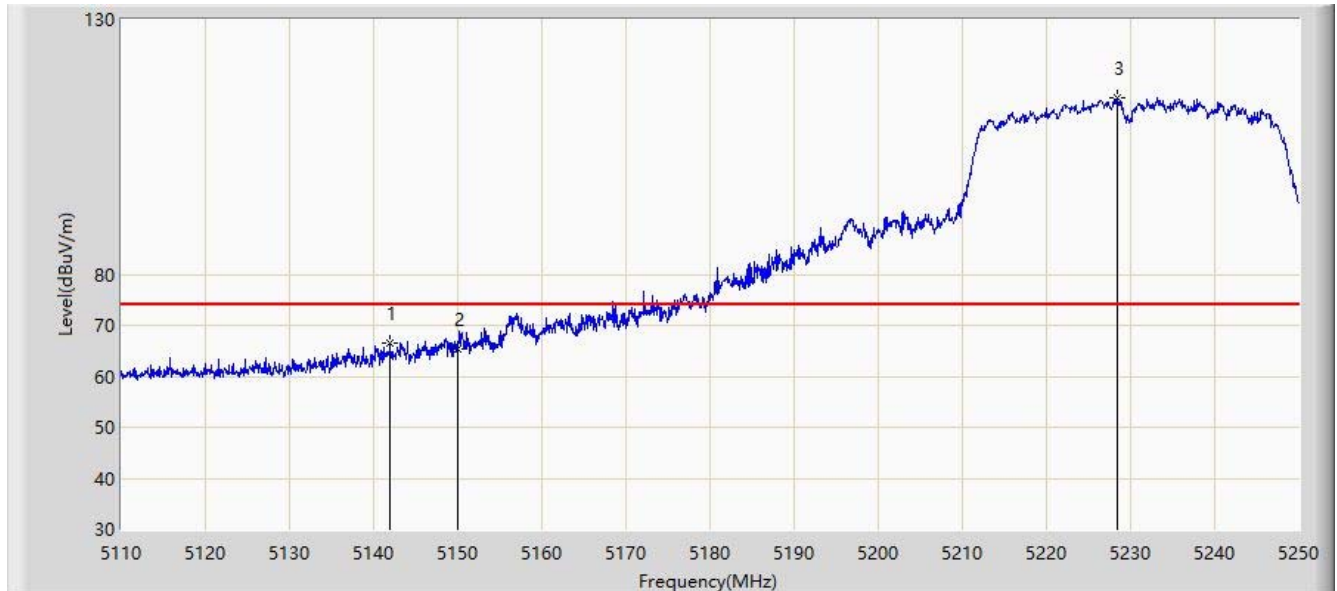


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.483	49.081	-4.517	54.000	0.402	AV
2		*	5187.700	91.387	91.084	N/A	N/A	0.304	AV

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

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

Site: AC1	Time: 2020/08/17 - 18:49
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz (CDD Mode)	

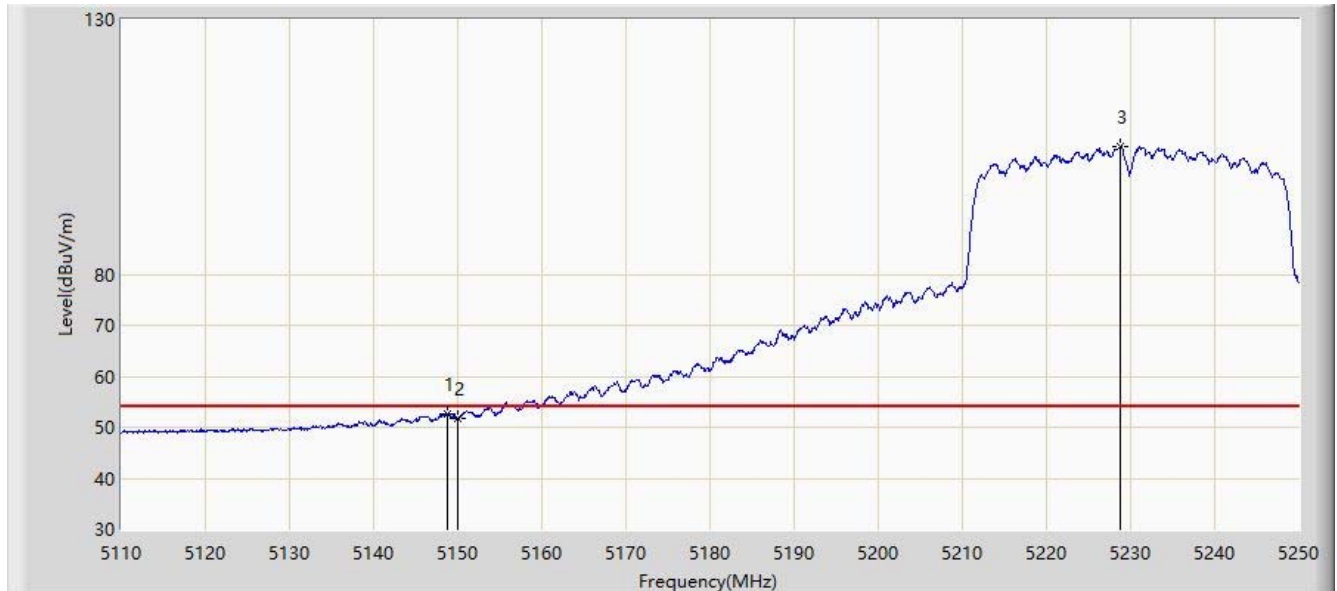


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.990	66.633	66.304	-7.367	74.000	0.329	PK
2			5150.000	65.409	65.007	-8.591	74.000	0.402	PK
3		*	5228.370	114.705	114.924	N/A	N/A	-0.219	PK

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

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

Site: AC1	Time: 2020/08/17 - 18:43
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz (CDD Mode)	

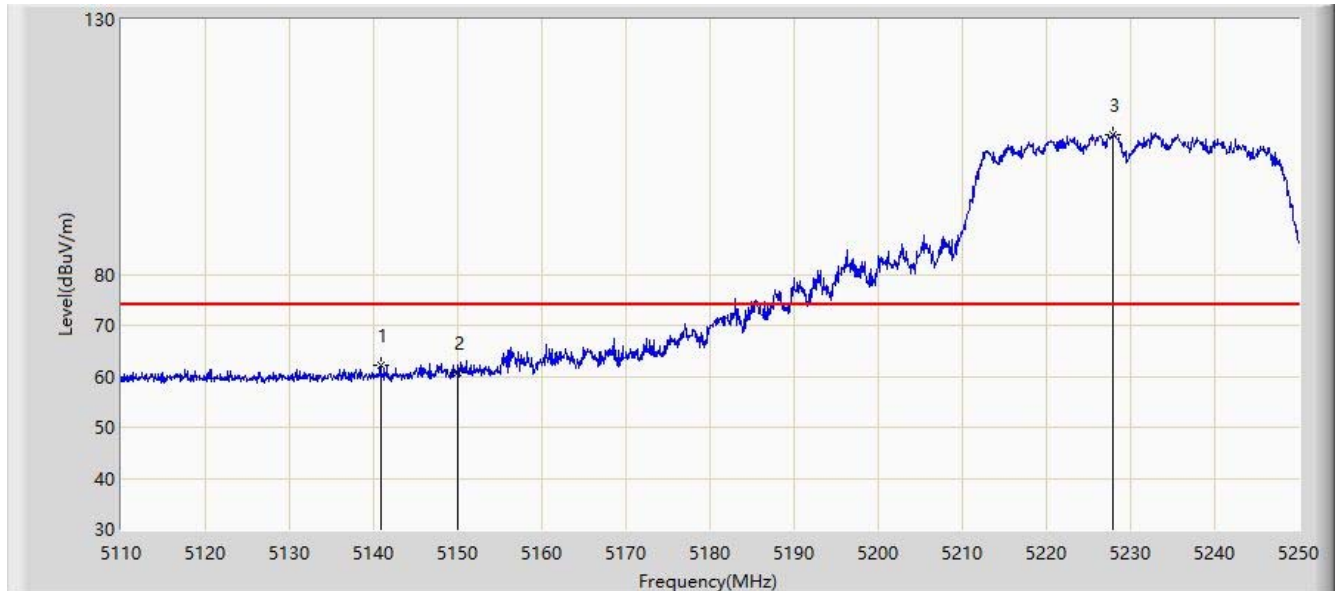


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.780	52.583	52.191	-1.417	54.000	0.391	AV
2			5150.000	51.731	51.329	-2.269	54.000	0.402	AV
3		*	5228.720	105.151	105.372	N/A	N/A	-0.222	AV

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

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

Site: AC1	Time: 2020/08/17 - 18:48
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz (CDD Mode)	

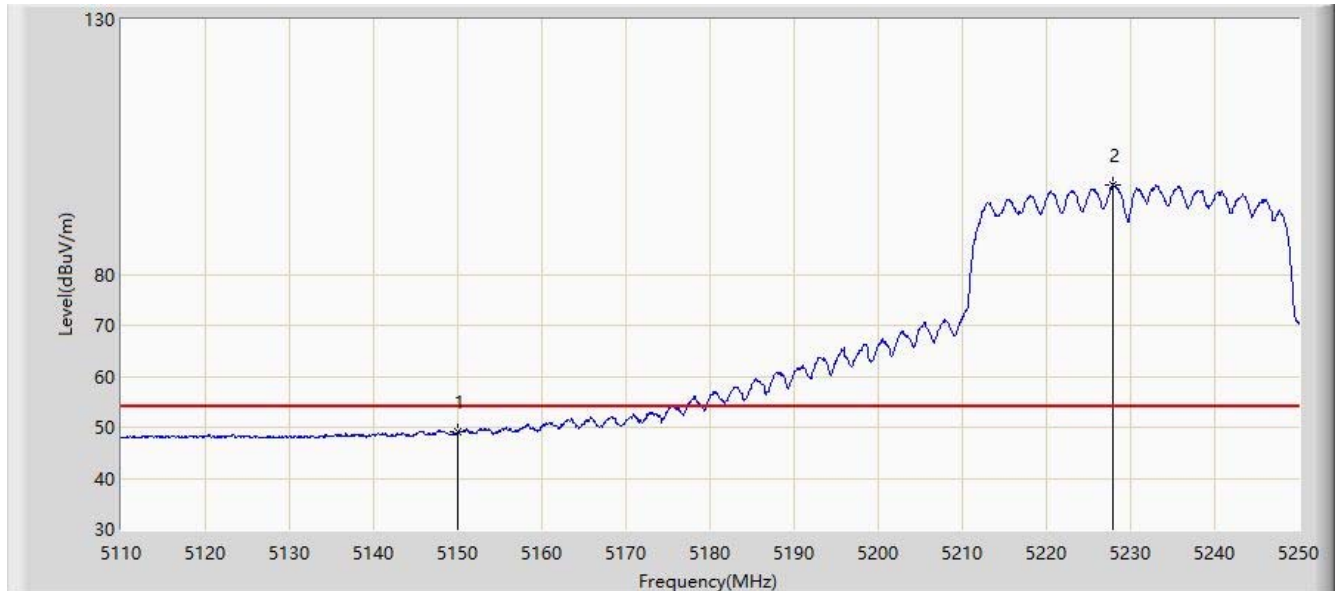


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.800	62.165	61.847	-11.835	74.000	0.318	PK
2			5150.000	60.722	60.320	-13.278	74.000	0.402	PK
3		*	5227.810	107.487	107.701	N/A	N/A	-0.214	PK

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

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

Site: AC1	Time: 2020/08/17 - 18:46
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5230MHz (CDD Mode)	

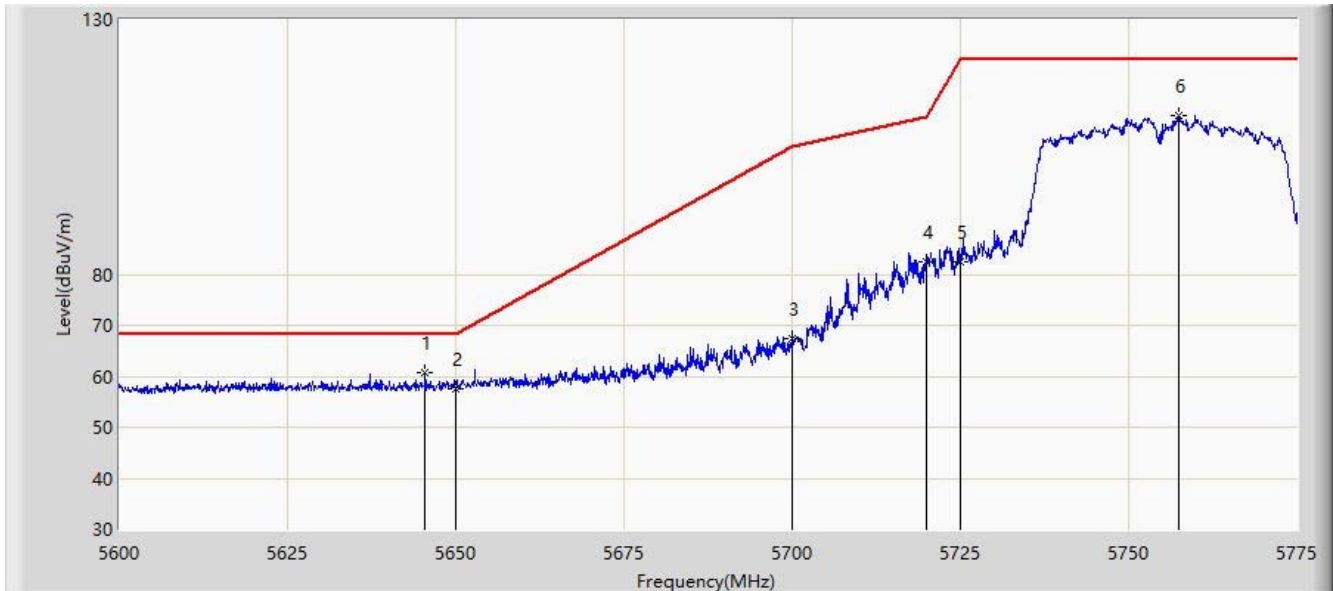


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.128	48.726	-4.872	54.000	0.402	AV
2		*	5227.880	97.655	97.870	N/A	N/A	-0.214	AV

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

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

Site: AC1	Time: 2020/08/20 - 21:42
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz (CDD Mode)	

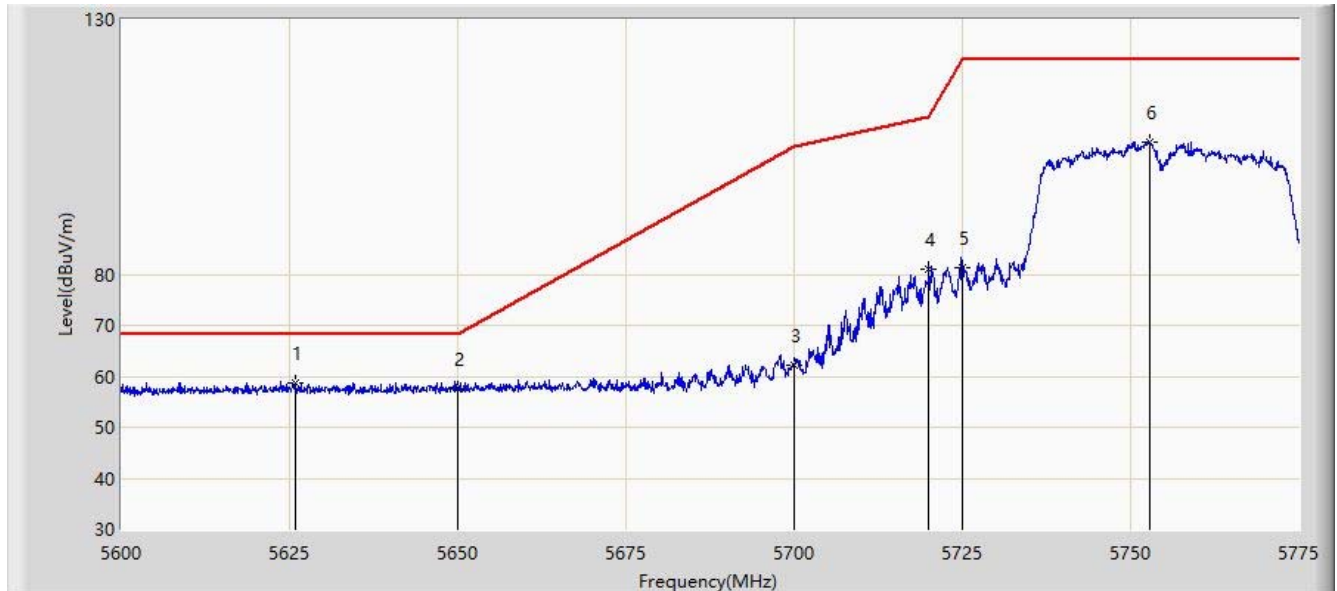


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.500	60.791	59.513	-7.409	68.200	1.279	PK
2			5650.000	57.636	56.263	-10.564	68.200	1.373	PK
3			5700.000	67.309	66.045	-37.891	105.200	1.264	PK
4			5720.000	82.325	80.863	-28.475	110.800	1.462	PK
5			5725.000	82.534	81.101	-39.666	122.200	1.433	PK
6			5757.413	111.232	109.515	N/A	N/A	1.717	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:48
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz (CDD Mode)	

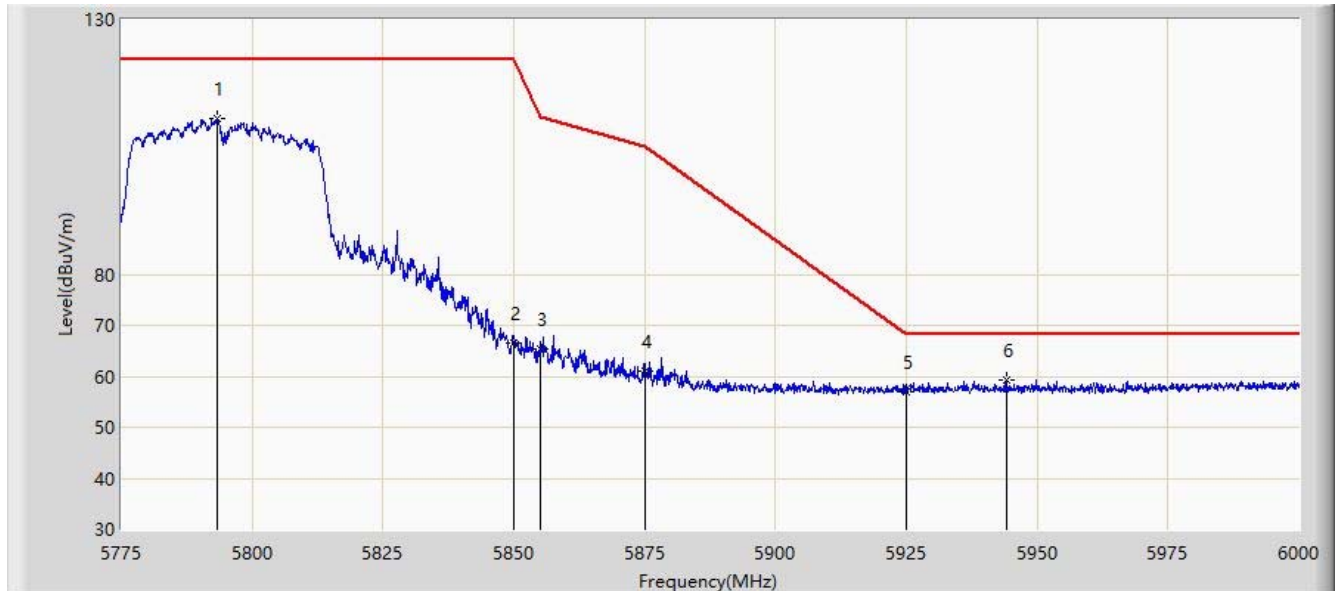


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5625.812	58.814	57.663	-9.386	68.200	1.151	PK
2			5650.000	57.483	56.110	-10.717	68.200	1.373	PK
3			5700.000	62.086	60.822	-43.114	105.200	1.264	PK
4			5720.000	80.879	79.417	-29.921	110.800	1.462	PK
5			5725.000	81.198	79.765	-41.002	122.200	1.433	PK
6			5752.862	106.003	104.393	N/A	N/A	1.609	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:51
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz (CDD Mode)	

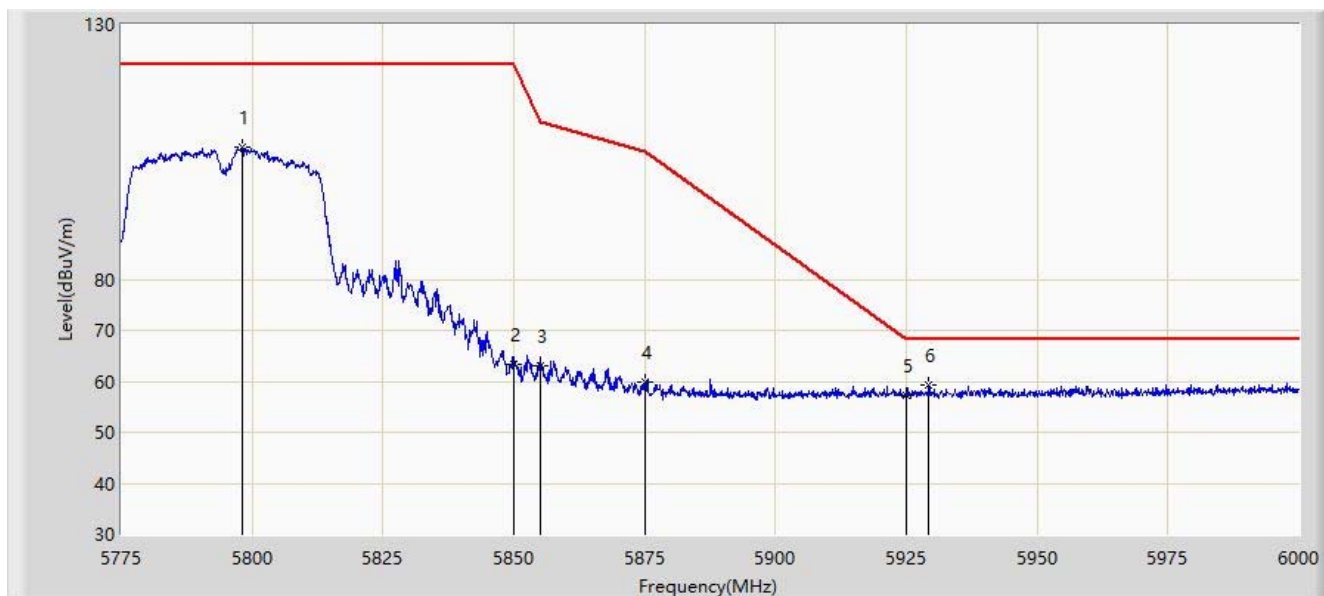


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5793.225	110.601	108.971	N/A	N/A	1.631	PK
2			5850.000	66.627	64.834	-55.573	122.200	1.792	PK
3			5855.000	65.449	63.647	-45.351	110.800	1.802	PK
4			5875.000	60.972	59.101	-44.228	105.200	1.872	PK
5			5925.000	56.963	54.894	-11.237	68.200	2.069	PK
6		*	5944.200	59.164	57.128	-9.036	68.200	2.036	PK

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

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

Site: AC1	Time: 2020/08/20 - 21:54
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz (CDD Mode)	

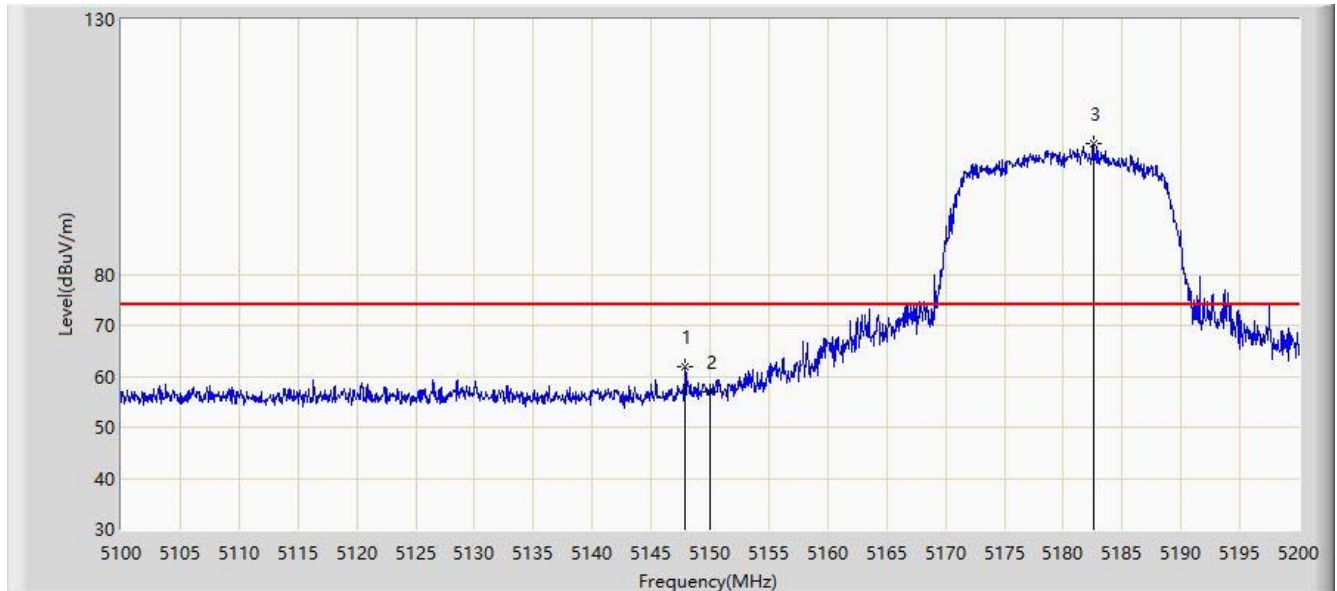


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5798.175	106.052	104.422	N/A	N/A	1.630	PK
2			5850.000	63.353	61.560	-58.847	122.200	1.792	PK
3			5855.000	63.143	61.341	-47.657	110.800	1.802	PK
4			5875.000	59.860	57.989	-45.340	105.200	1.872	PK
5			5925.000	57.341	55.272	-10.859	68.200	2.069	PK
6		*	5929.237	59.161	57.089	-9.039	68.200	2.072	PK

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

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

Site: AC1	Time: 2020/08/27 - 00:02
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGWRouter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (CDD Mode)	

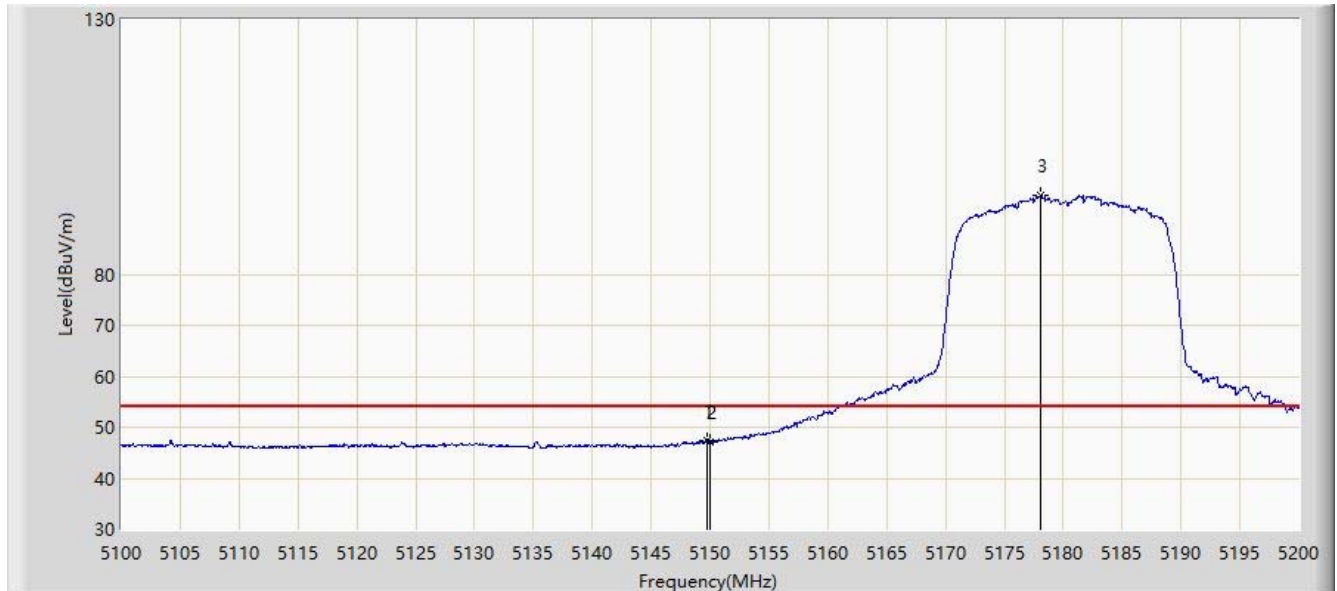


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.900	61.958	55.502	-12.042	74.000	6.455	PK
2			5150.000	56.926	50.474	-17.074	74.000	6.452	PK
3		*	5182.550	105.693	99.164	N/A	N/A	6.528	PK

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

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

Site: AC1	Time: 2020/08/27 - 00:03
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGWRouter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (CDD Mode)	

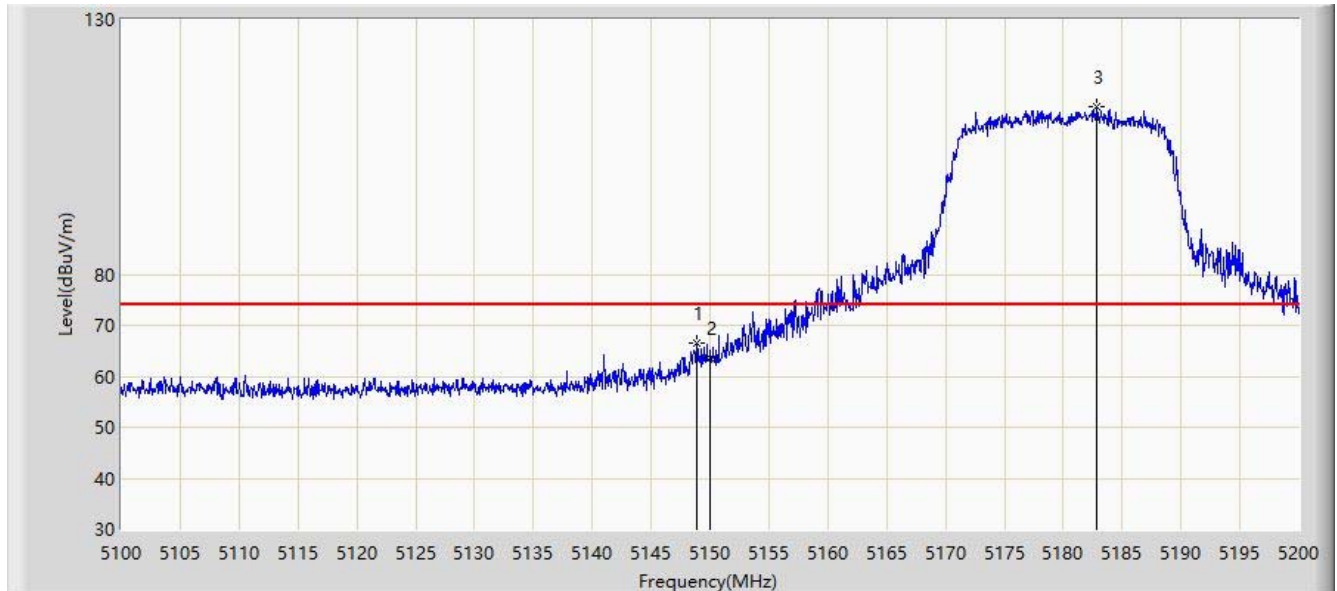


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.700	47.408	40.956	-6.592	54.000	6.452	AV
2			5150.000	47.033	40.581	-6.967	54.000	6.452	AV
3		*	5178.100	95.440	88.938	N/A	N/A	6.502	AV

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

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

Site: AC1	Time: 2020/08/27 - 00:04
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGWRouter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (CDD Mode)	

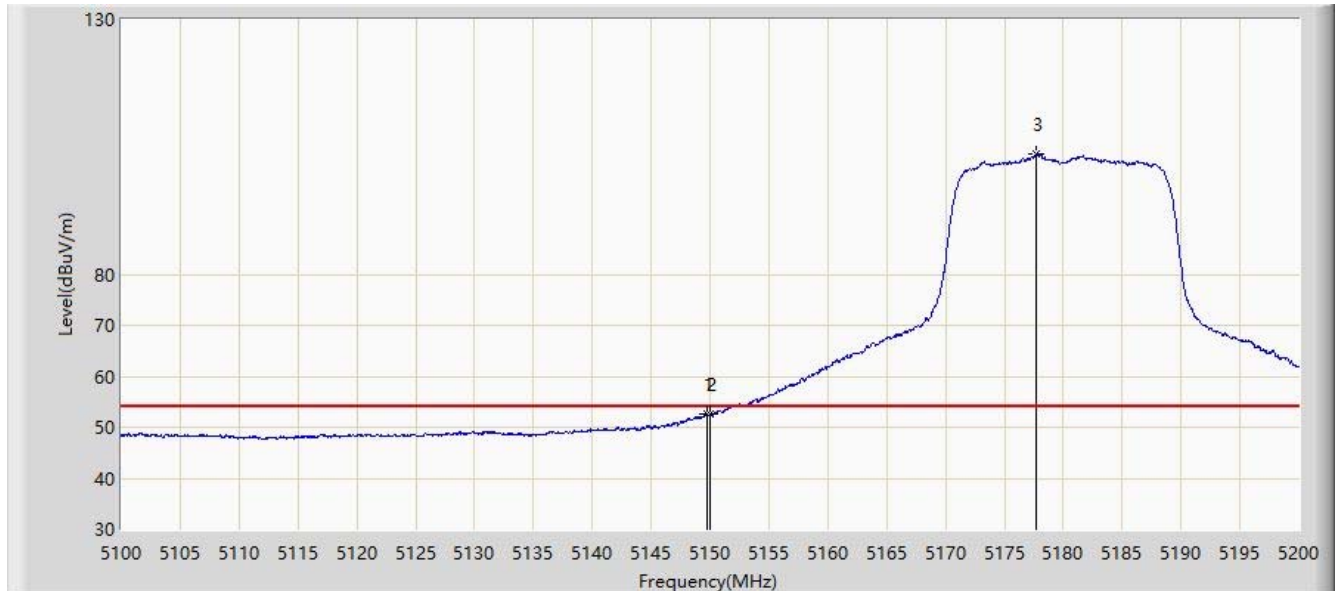


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.900	66.524	60.071	-7.476	74.000	6.453	PK
2			5150.000	63.679	57.227	-10.321	74.000	6.452	PK
3		*	5182.800	112.893	106.364	N/A	N/A	6.528	PK

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

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

Site: AC1	Time: 2020/08/27 - 00:05
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGWRouter	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (CDD Mode)	

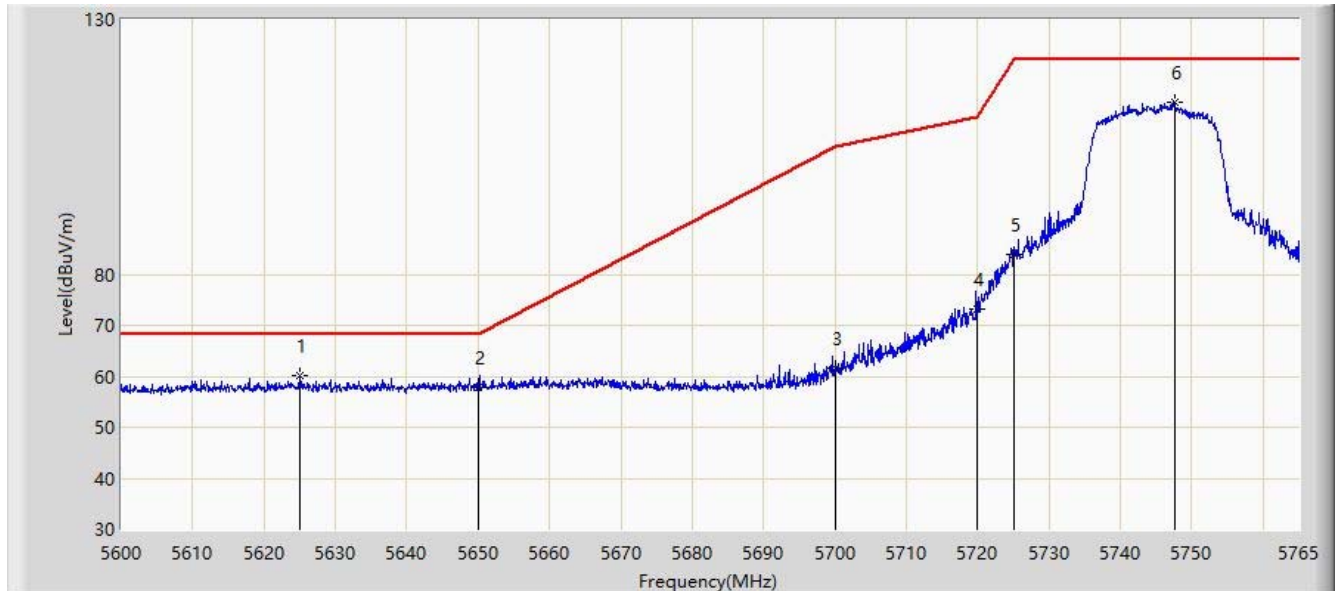


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.700	52.498	46.046	-1.502	54.000	6.452	AV
2			5150.000	52.475	46.023	-1.525	54.000	6.452	AV
3		*	5177.750	103.504	97.004	N/A	N/A	6.501	AV

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

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

Site: AC1	Time: 2020/08/20 - 22:21
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz (CDD Mode)	

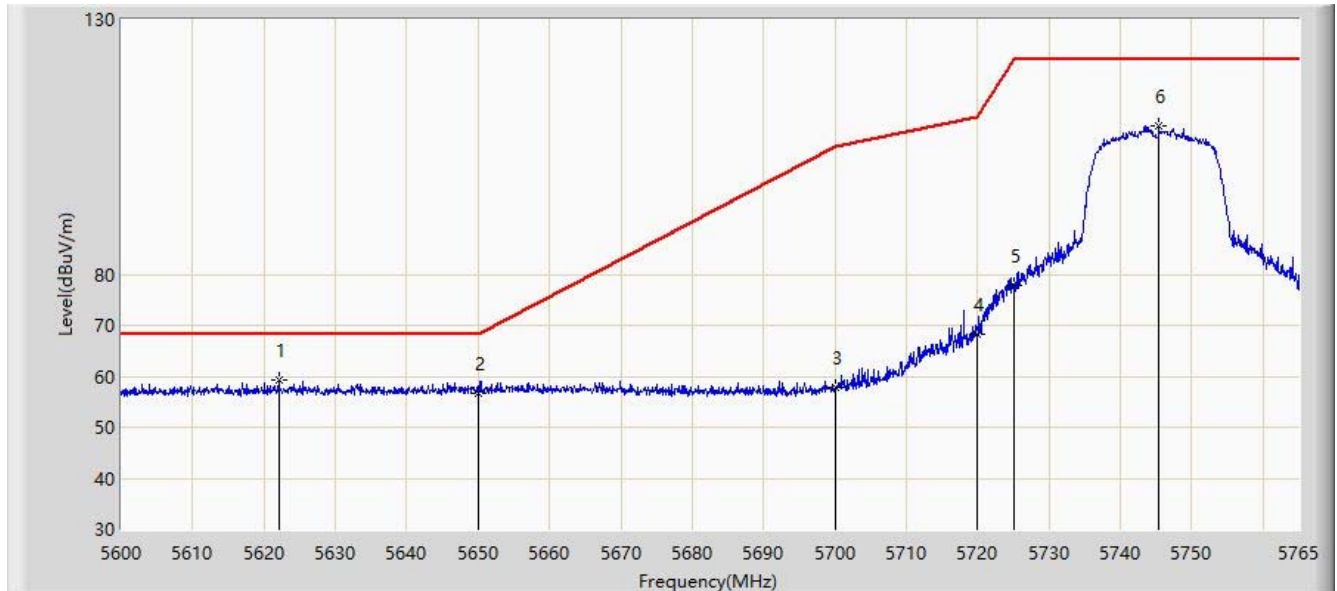


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5624.998	60.265	59.106	-7.935	68.200	1.159	PK
2			5650.000	57.743	56.370	-10.457	68.200	1.373	PK
3			5700.000	61.643	60.379	-43.557	105.200	1.264	PK
4			5720.000	73.291	71.829	-37.509	110.800	1.462	PK
5			5725.000	84.042	82.609	-38.158	122.200	1.433	PK
6			5747.592	113.770	112.284	N/A	N/A	1.486	PK

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

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

Site: AC1	Time: 2020/08/20 - 22:25
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz (CDD Mode)	

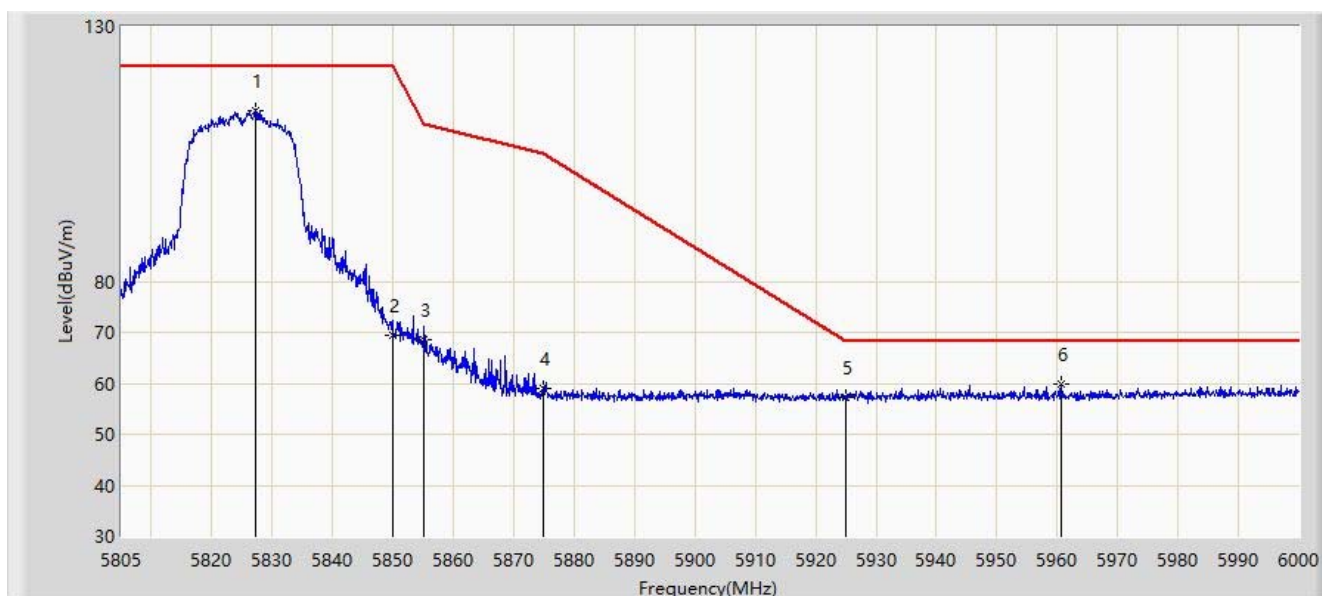


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.027	59.209	58.058	-8.991	68.200	1.150	PK
2			5650.000	56.685	55.312	-11.515	68.200	1.373	PK
3			5700.000	57.697	56.433	-47.503	105.200	1.264	PK
4			5720.000	68.232	66.770	-42.568	110.800	1.462	PK
5			5725.000	77.743	76.310	-44.457	122.200	1.433	PK
6			5745.365	109.111	107.678	N/A	N/A	1.433	PK

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

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

Site: AC1	Time: 2020/08/20 - 22:29
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz (CDD Mode)	

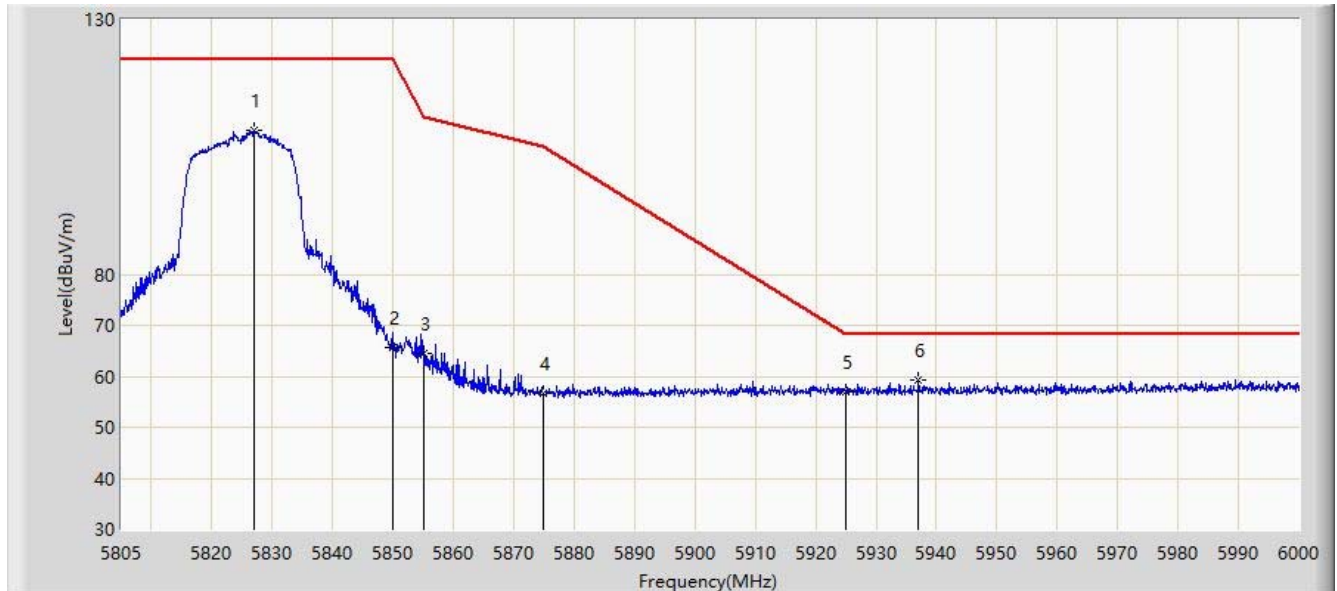


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.132	113.424	111.864	N/A	N/A	1.560	PK
2			5850.000	69.565	67.772	-52.635	122.200	1.792	PK
3			5855.000	68.539	66.737	-42.261	110.800	1.802	PK
4			5875.000	59.022	57.151	-46.178	105.200	1.872	PK
5			5925.000	57.191	55.122	-11.009	68.200	2.069	PK
6		*	5960.610	59.836	57.863	-8.364	68.200	1.972	PK

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

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

Site: AC1	Time: 2020/08/20 - 22:31
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz (CDD Mode)	

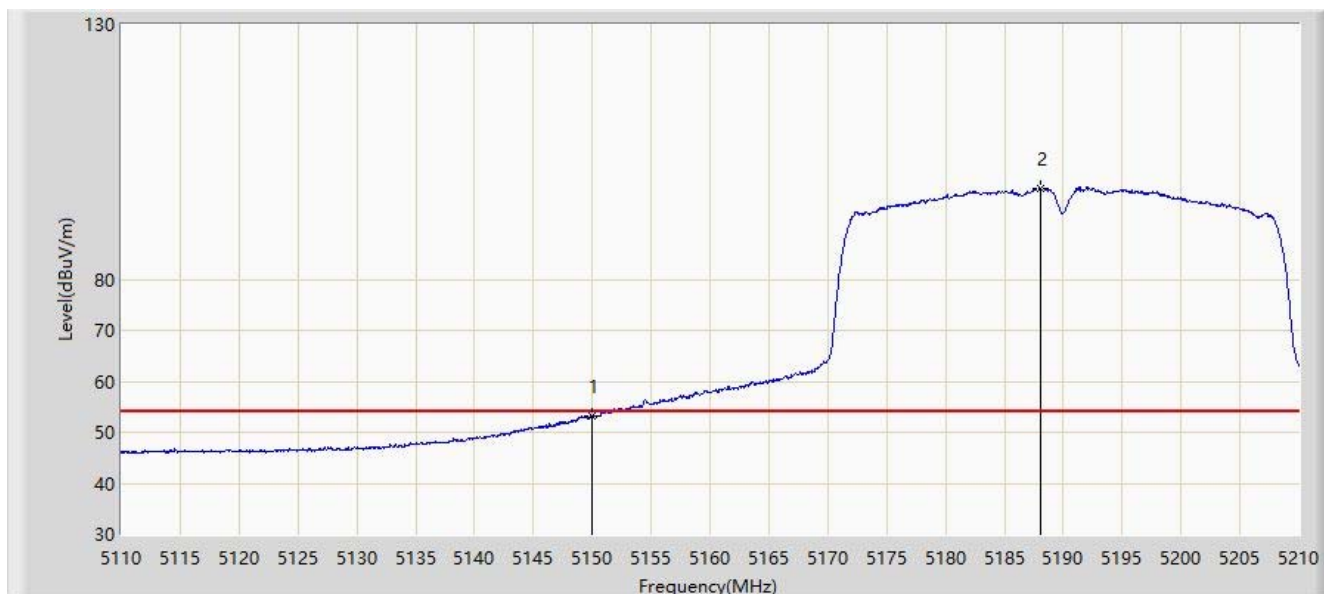


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.035	108.280	106.719	N/A	N/A	1.561	PK
2			5850.000	65.637	63.844	-56.563	122.200	1.792	PK
3			5855.000	64.509	62.707	-46.291	110.800	1.802	PK
4			5875.000	56.609	54.738	-48.591	105.200	1.872	PK
5			5925.000	56.879	54.810	-11.321	68.200	2.069	PK
6		*	5937.015	59.250	57.225	-8.950	68.200	2.024	PK

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

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

Site: AC1	Time: 2020/08/20 - 04:18
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (CDD Mode)	

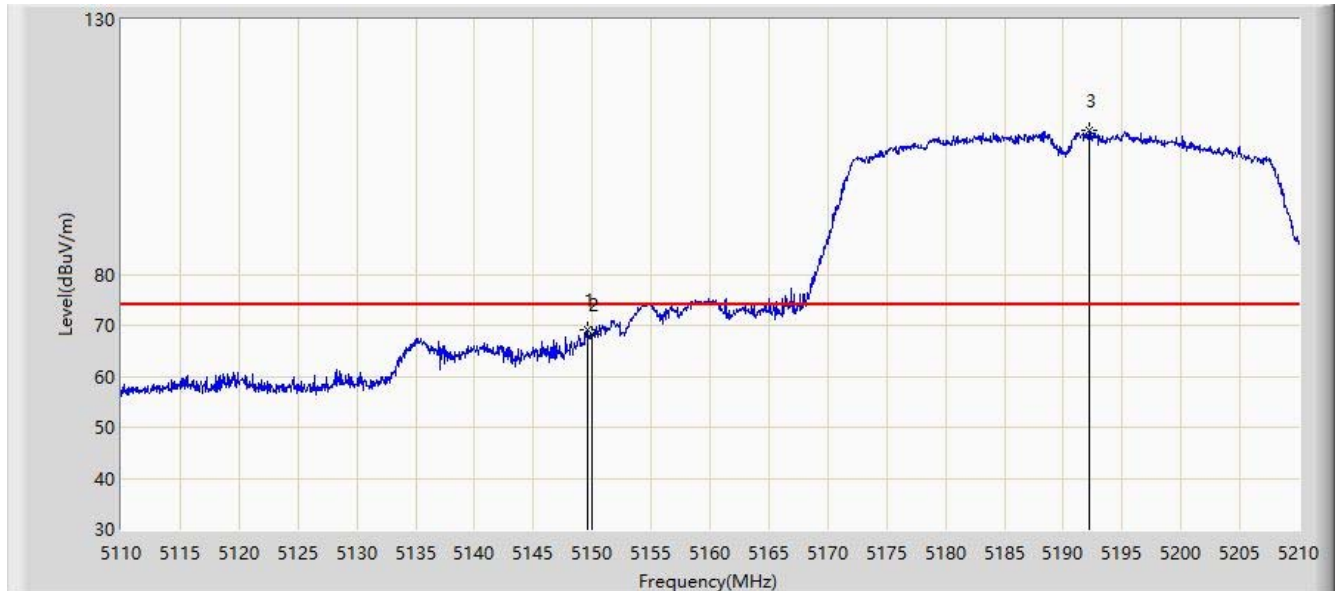


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.182	52.780	-0.818	54.000	0.402	AV
2		*	5188.050	97.869	97.567	N/A	N/A	0.302	AV

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

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

Site: AC1	Time: 2020/08/20 - 04:19
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (CDD Mode)	

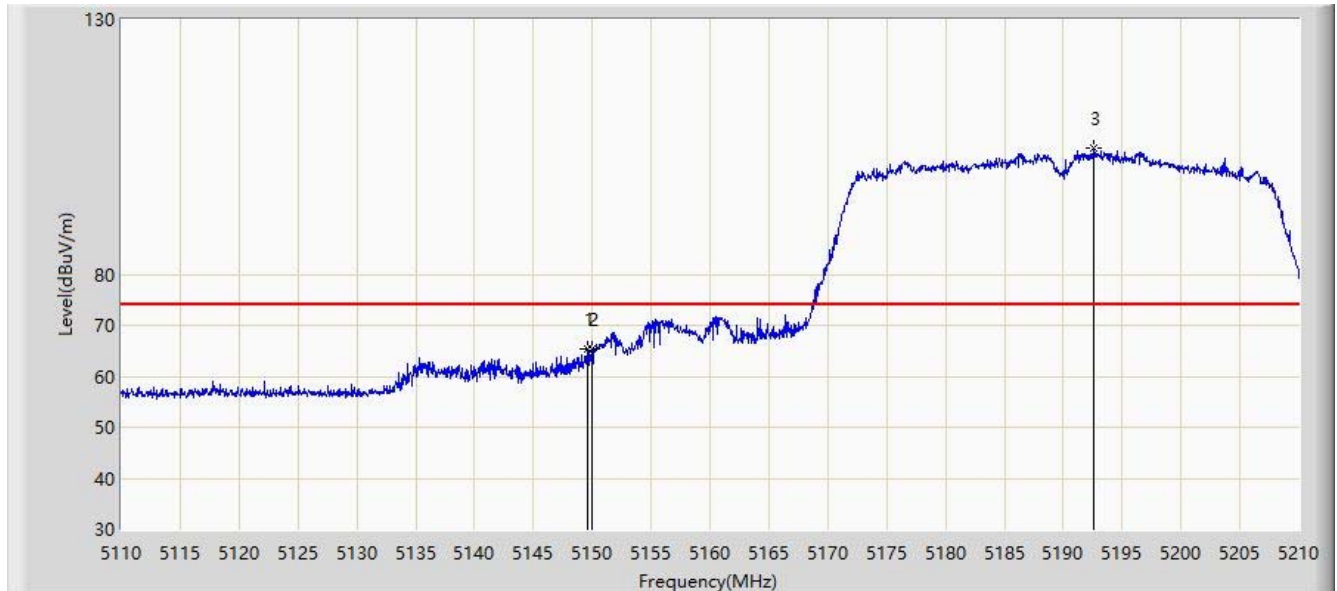


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.600	69.102	68.704	-4.898	74.000	0.398	PK
2			5150.000	68.134	67.732	-5.866	74.000	0.402	PK
3		*	5192.200	108.199	107.914	N/A	N/A	0.285	PK

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

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

Site: AC1	Time: 2020/08/20 - 04:21
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (CDD Mode)	

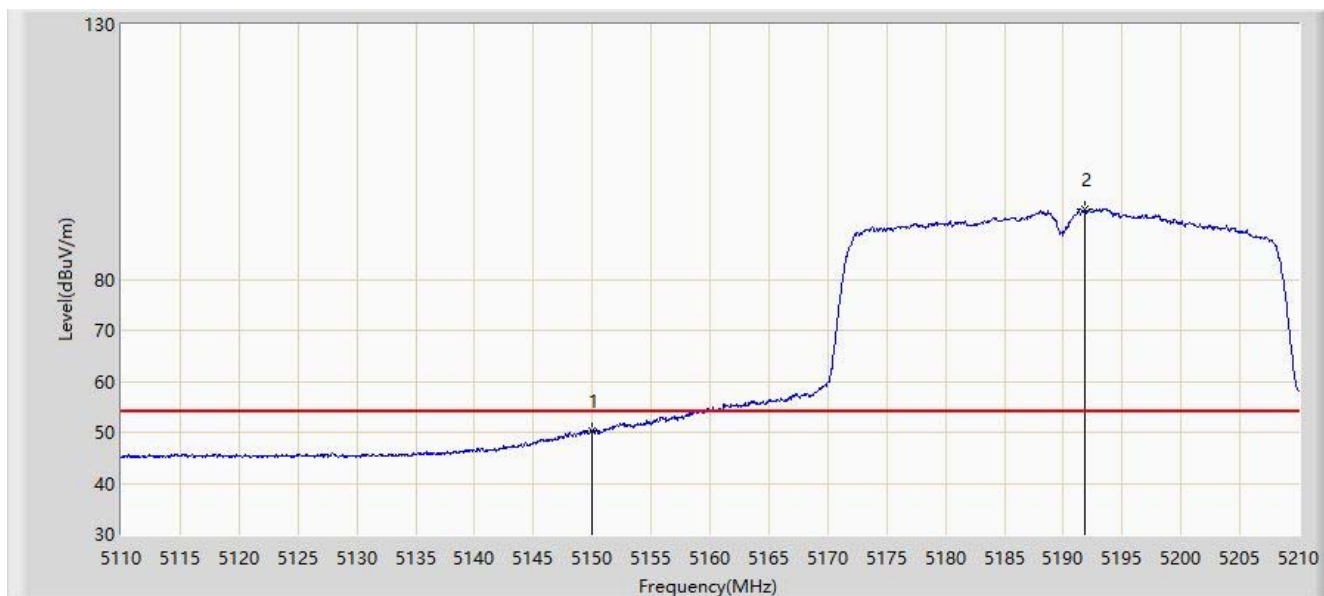


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.550	65.268	64.870	-8.732	74.000	0.398	PK
2			5150.000	65.256	64.854	-8.744	74.000	0.402	PK
3		*	5192.550	104.915	104.631	N/A	N/A	0.284	PK

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

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

Site: AC1	Time: 2020/08/20 - 04:23
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.213	49.811	-3.787	54.000	0.402	AV
2		*	5191.800	93.679	93.392	N/A	N/A	0.287	AV

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

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

Site: AC1	Time: 2020/08/20 - 22:40
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz (CDD Mode)	

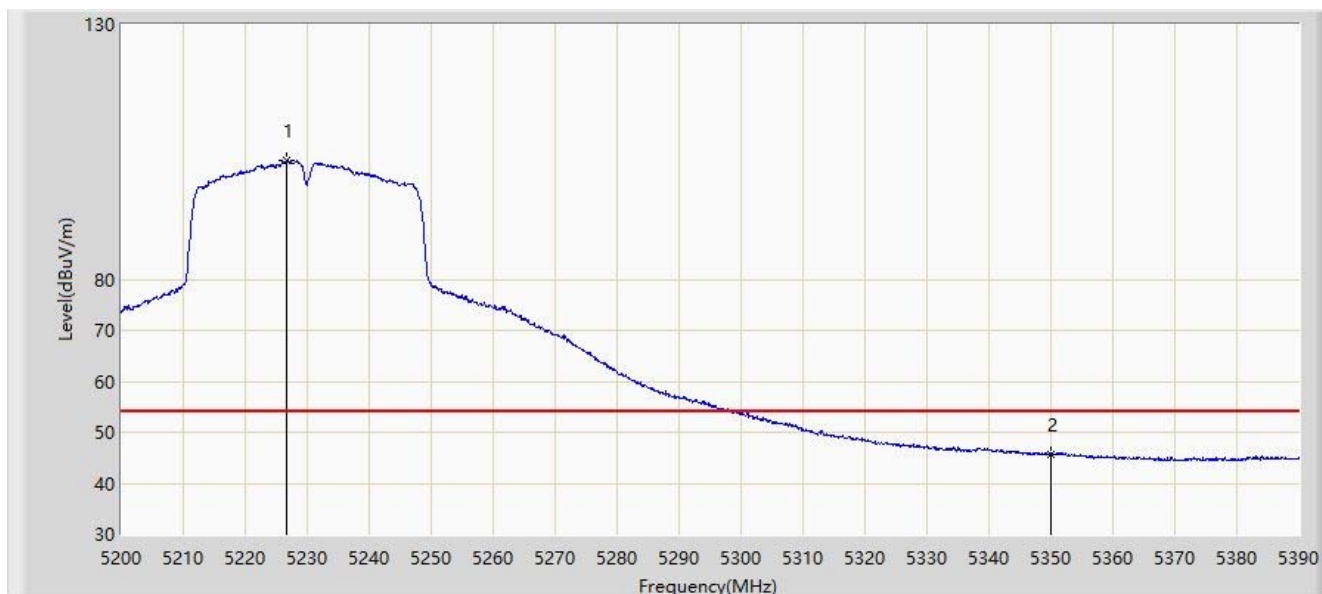


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5226.695	113.578	113.784	N/A	N/A	-0.205	PK
2			5350.000	56.818	56.737	-17.182	74.000	0.081	PK
3			5352.095	60.271	60.177	-13.729	74.000	0.094	PK

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

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

Site: AC1	Time: 2020/08/20 - 22:43
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz (CDD Mode)	

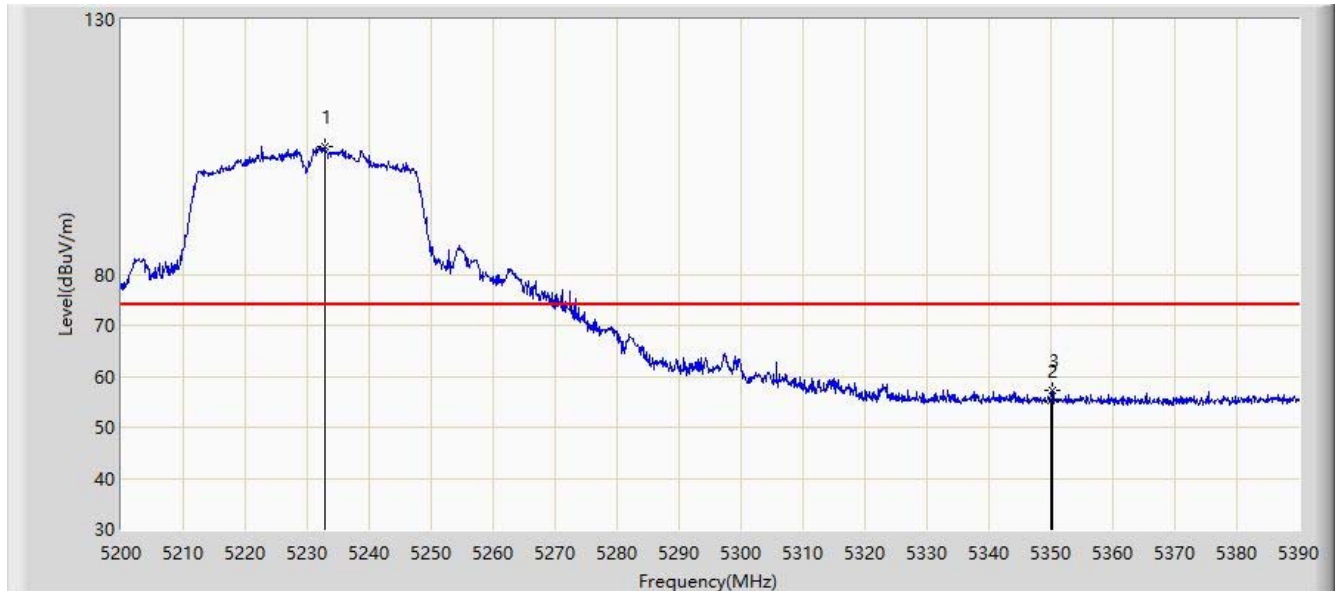


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5226.600	103.244	103.449	N/A	N/A	-0.205	AV
2			5350.000	45.756	45.675	-8.244	54.000	0.081	AV

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

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

Site: AC1	Time: 2020/08/20 - 22:47
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz (CDD Mode)	

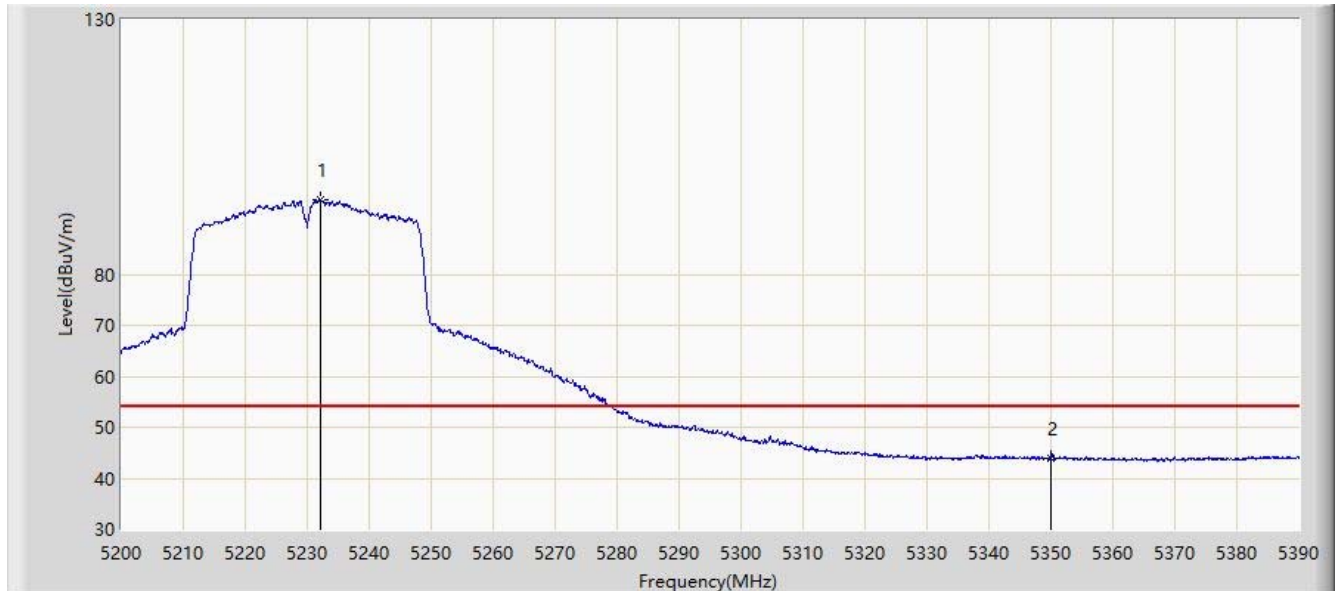


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5232.775	105.008	105.260	N/A	N/A	-0.252	PK
2			5350.000	55.256	55.175	-18.744	74.000	0.081	PK
3			5350.290	57.233	57.150	-16.767	74.000	0.083	PK

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

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

Site: AC1	Time: 2020/08/20 - 22:50
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5230MHz (CDD Mode)	

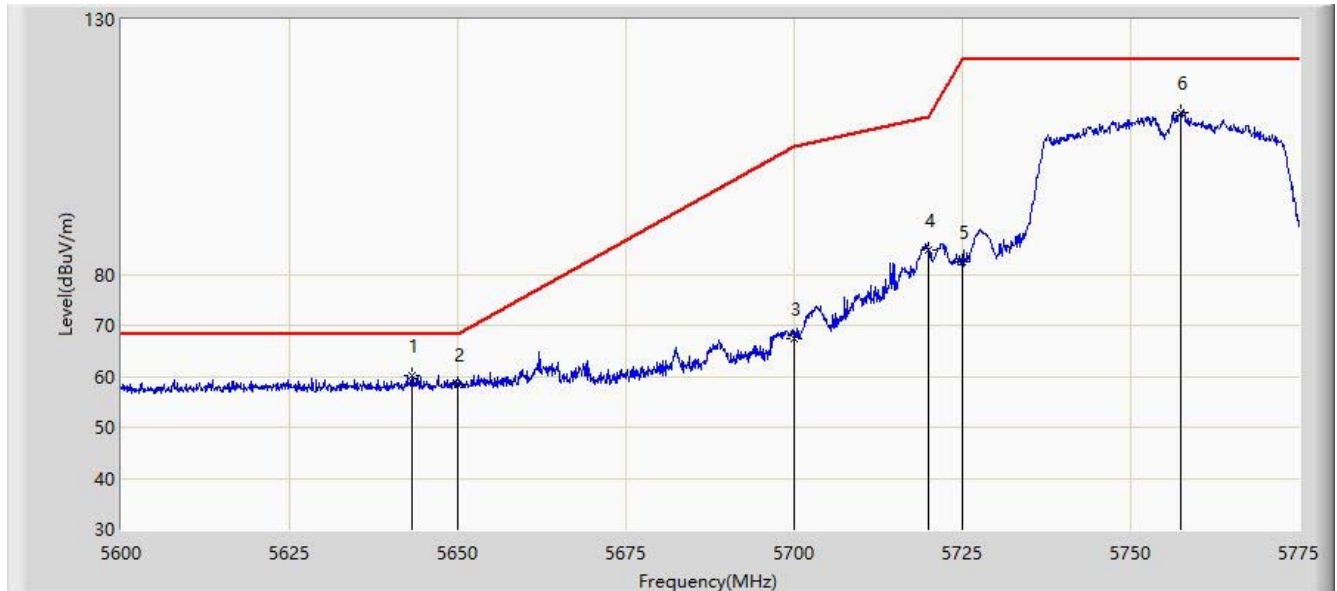


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5232.110	94.776	95.023	N/A	N/A	-0.248	AV
2			5350.000	43.956	43.875	-10.044	54.000	0.081	AV

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

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

Site: AC1	Time: 2020/08/20 - 22:54
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz (CDD Mode)	

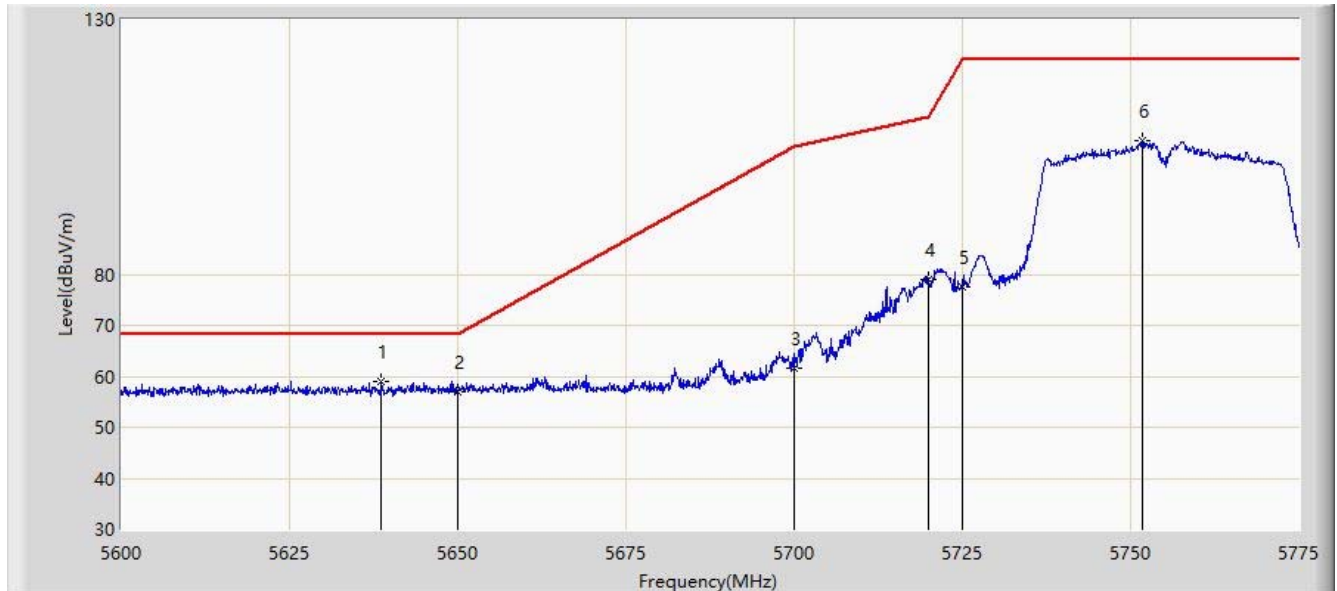


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5643.138	60.272	59.043	-7.928	68.200	1.228	PK
2			5650.000	58.358	56.985	-9.842	68.200	1.373	PK
3			5700.000	67.504	66.240	-37.696	105.200	1.264	PK
4			5720.000	84.686	83.224	-26.114	110.800	1.462	PK
5			5725.000	82.465	81.032	-39.735	122.200	1.433	PK
6			5757.413	111.875	110.158	N/A	N/A	1.717	PK

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

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

Site: AC1	Time: 2020/08/20 - 22:57
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz (CDD Mode)	

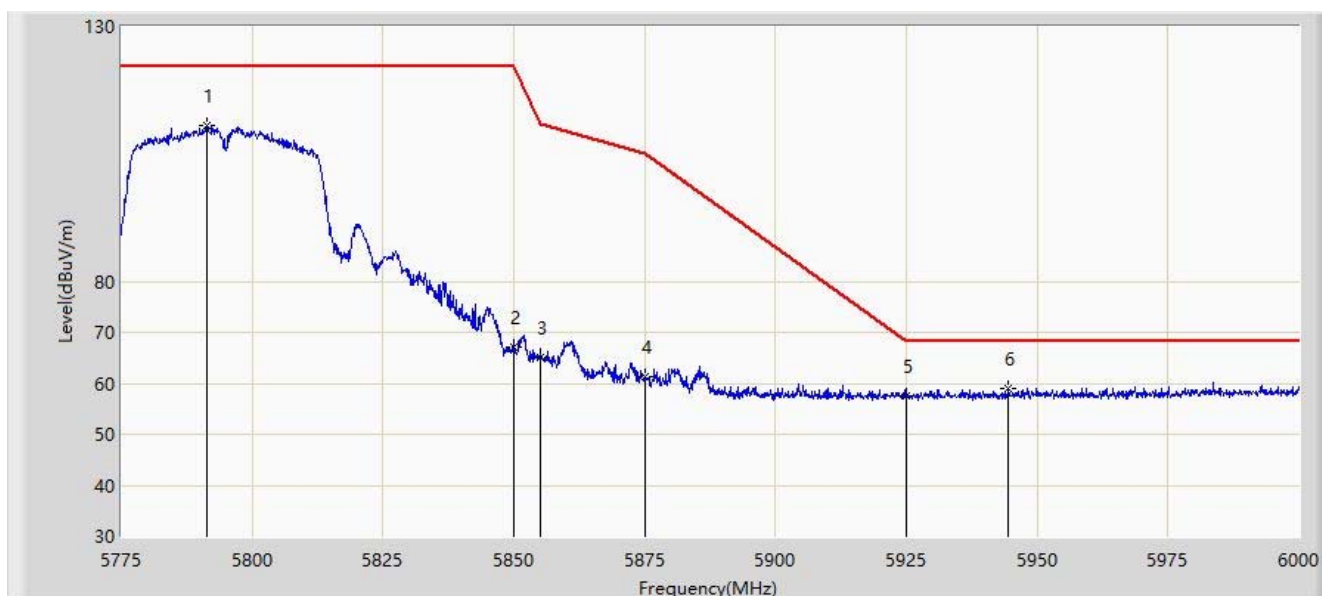


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.675	58.989	57.836	-9.211	68.200	1.152	PK
2			5650.000	56.991	55.618	-11.209	68.200	1.373	PK
3			5700.000	61.729	60.465	-43.471	105.200	1.264	PK
4			5720.000	78.916	77.454	-31.884	110.800	1.462	PK
5			5725.000	77.631	76.198	-44.569	122.200	1.433	PK
6			5751.725	106.208	104.625	N/A	N/A	1.583	PK

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

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

Site: AC1	Time: 2020/08/20 - 23:01
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz (CDD Mode)	

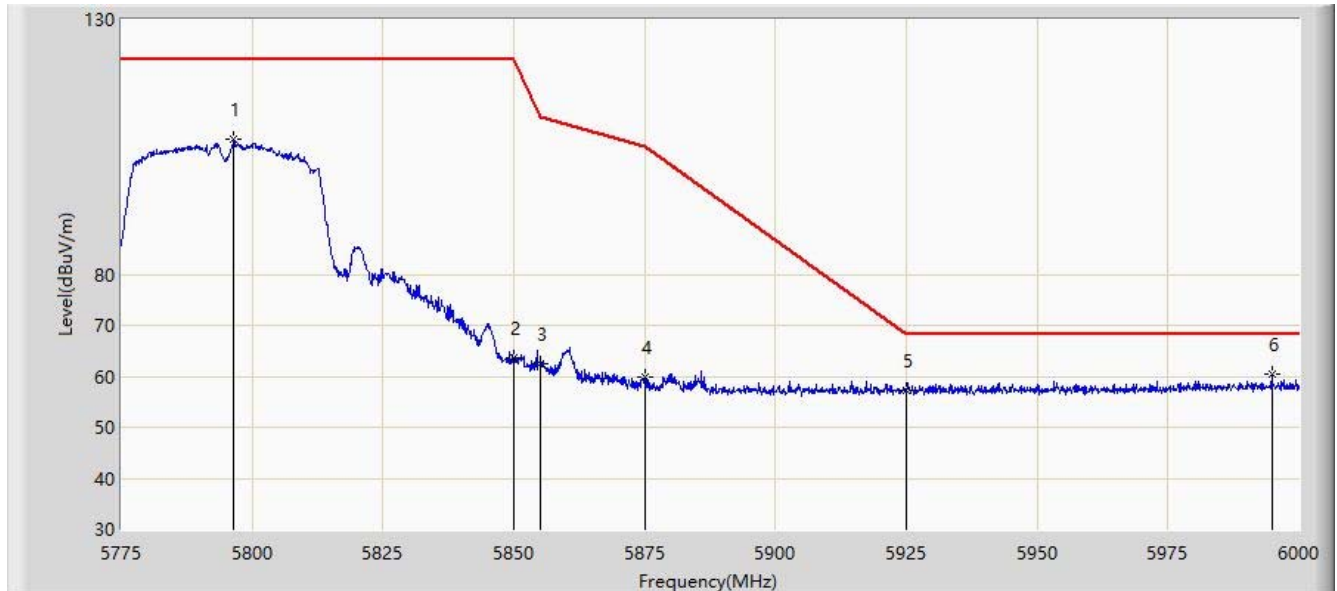


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5791.312	110.695	109.047	N/A	N/A	1.648	PK
2			5850.000	67.131	65.338	-55.069	122.200	1.792	PK
3			5855.000	64.972	63.170	-45.828	110.800	1.802	PK
4			5875.000	61.352	59.481	-43.848	105.200	1.872	PK
5			5925.000	57.587	55.518	-10.613	68.200	2.069	PK
6		*	5944.538	59.048	57.010	-9.152	68.200	2.037	PK

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

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

Site: AC1	Time: 2020/08/20 - 23:04
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz (CDD Mode)	

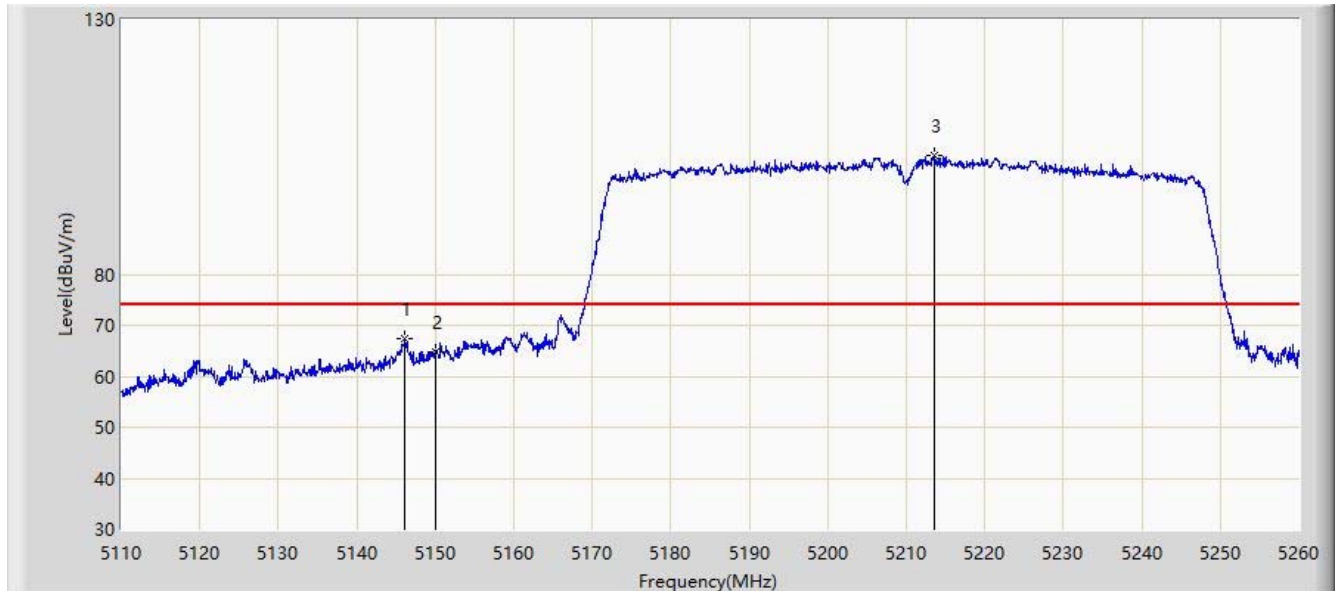


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5796.487	106.574	104.952	N/A	N/A	1.622	PK
2			5850.000	63.575	61.782	-58.625	122.200	1.792	PK
3			5855.000	62.344	60.542	-48.456	110.800	1.802	PK
4			5875.000	59.771	57.900	-45.429	105.200	1.872	PK
5			5925.000	57.172	55.103	-11.028	68.200	2.069	PK
6		*	5994.825	60.534	58.159	-7.666	68.200	2.375	PK

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

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

Site: AC1	Time: 2020/08/20 - 23:29
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (CDD Mode)	

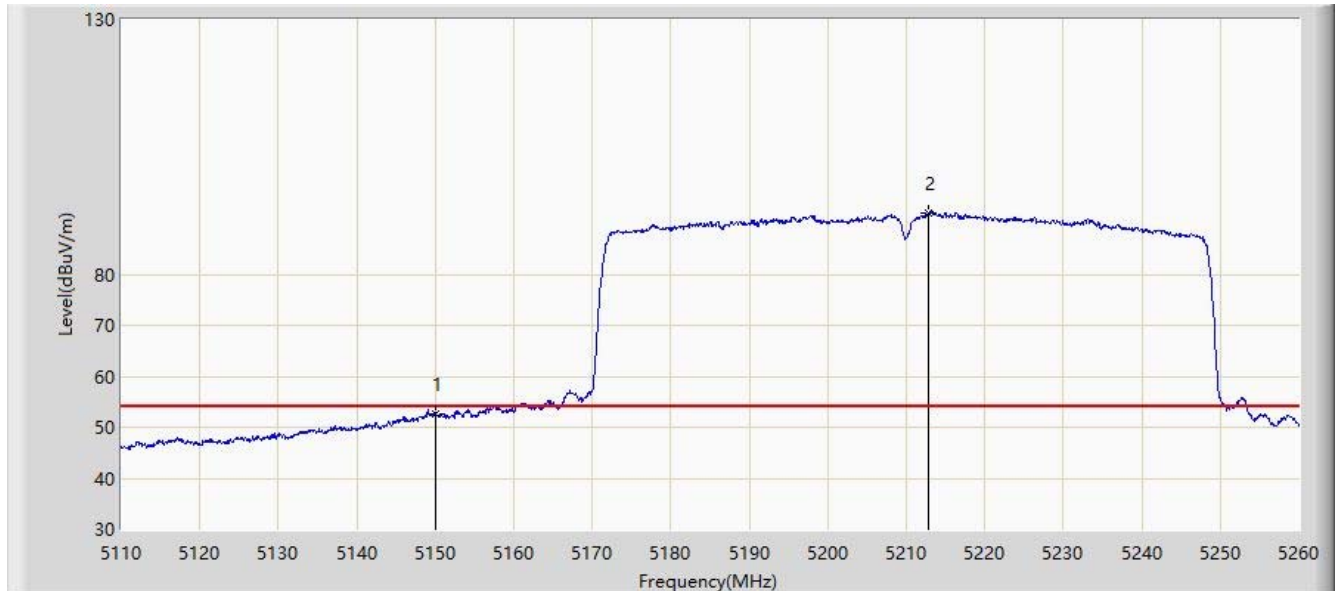


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.150	67.333	66.964	-6.667	74.000	0.369	PK
2			5150.000	64.905	64.503	-9.095	74.000	0.402	PK
3		*	5213.500	103.202	103.222	N/A	N/A	-0.019	PK

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

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

Site: AC1	Time: 2020/08/20 - 23:28
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (CDD Mode)	

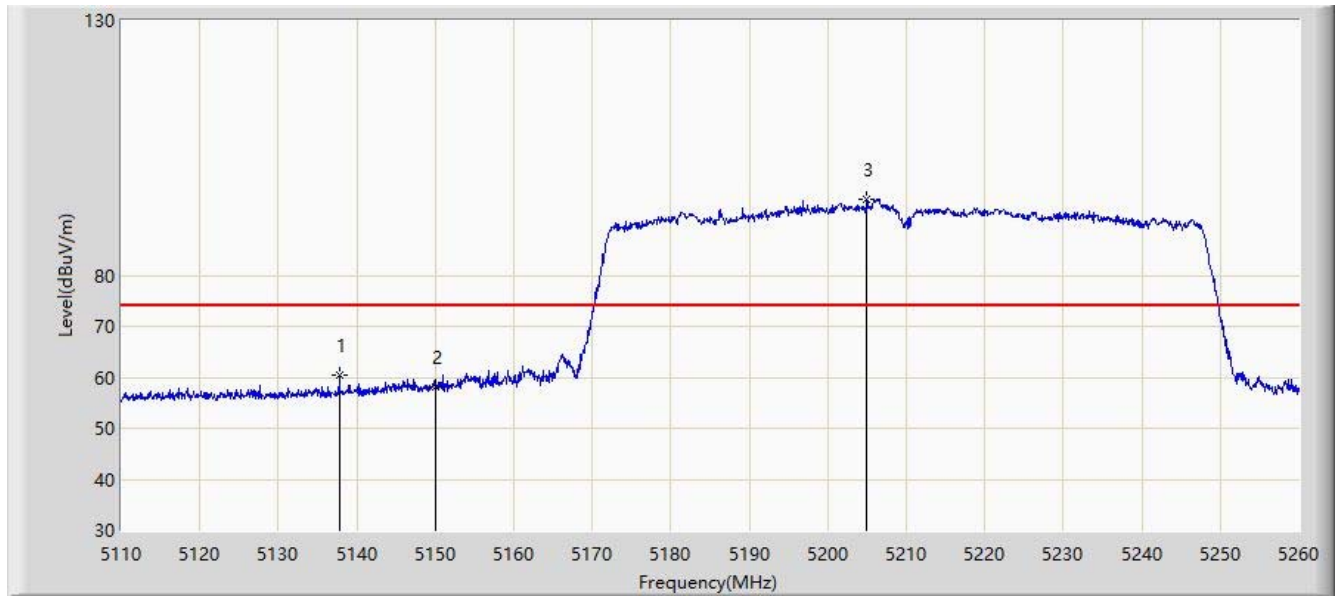


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.575	52.173	-1.425	54.000	0.402	AV
2		*	5212.825	92.154	92.161	N/A	N/A	-0.007	AV

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

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

Site: AC1	Time: 2020/08/20 - 23:31
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (CDD Mode)	

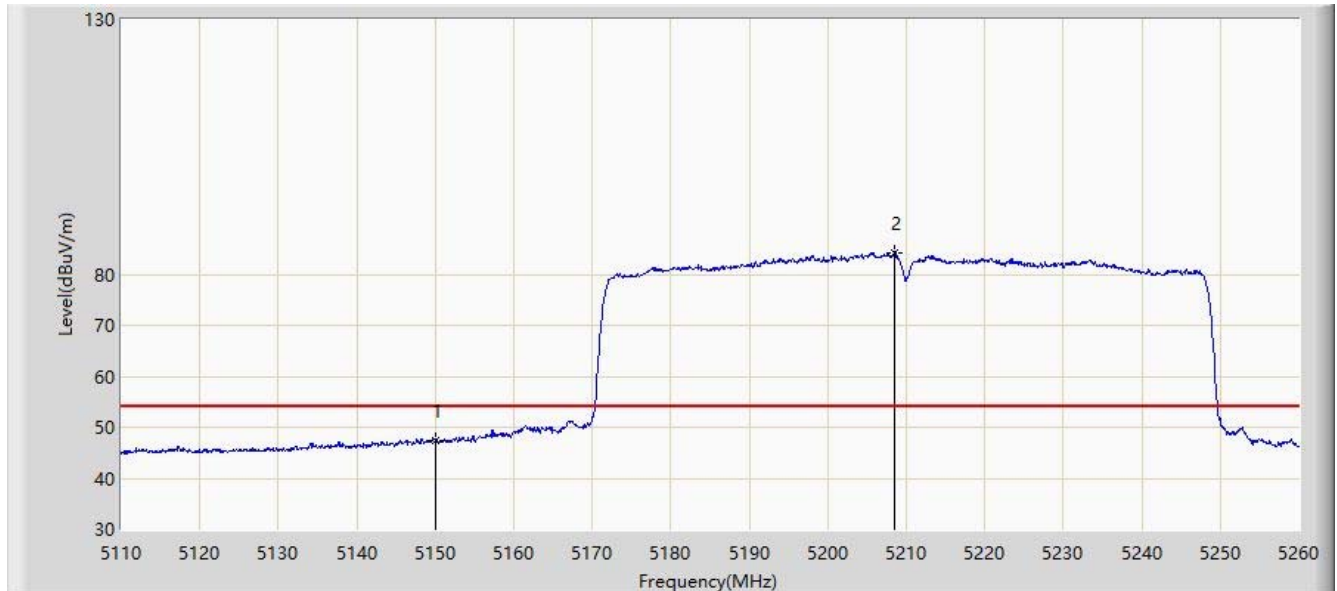


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.825	60.484	60.195	-13.516	74.000	0.290	PK
2			5150.000	58.032	57.630	-15.968	74.000	0.402	PK
3		*	5204.950	94.894	94.742	N/A	N/A	0.152	PK

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

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

Site: AC1	Time: 2020/08/20 - 23:32
Limit: FCC_Part15_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (CDD Mode)	

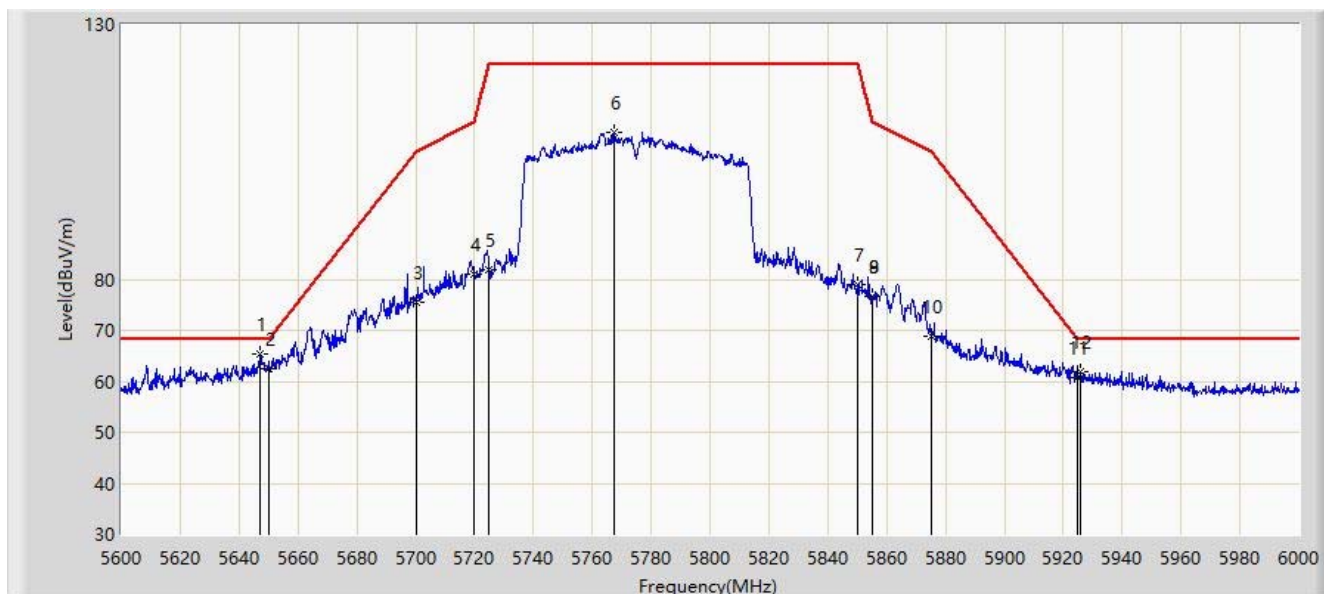


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.422	47.020	-6.578	54.000	0.402	AV
2		*	5208.475	84.297	84.216	N/A	N/A	0.081	AV

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

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

Site: AC1	Time: 2020/08/20 - 23:36
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz (CDD Mode)	

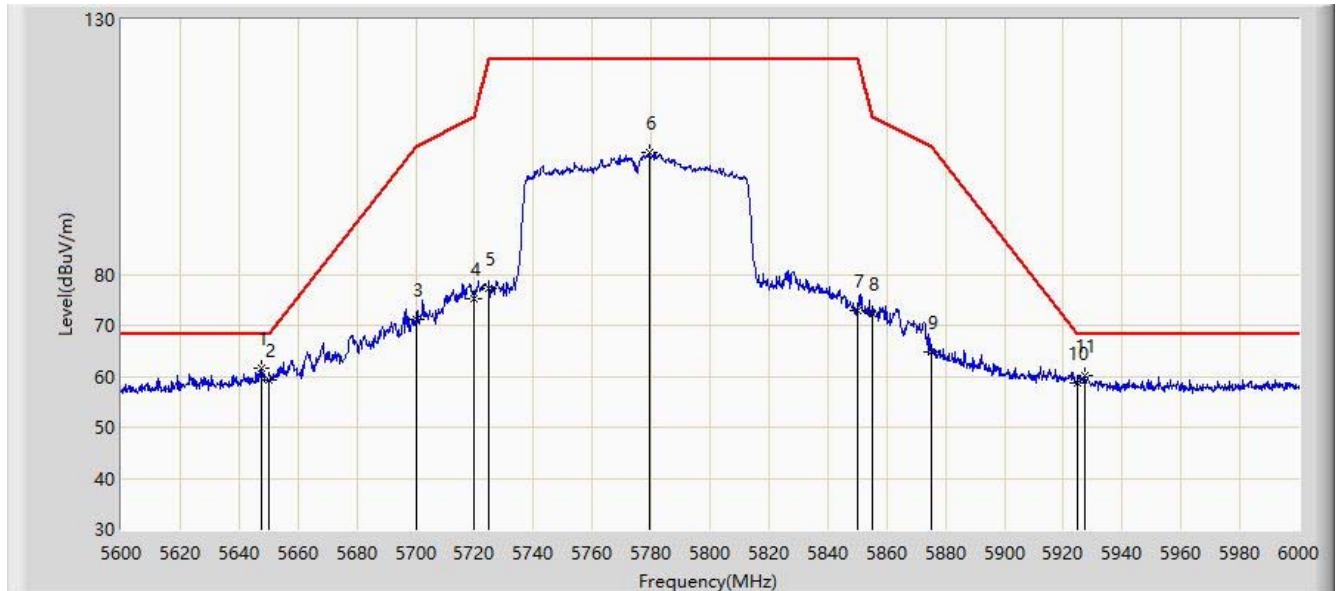


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5647.200	65.339	64.025	-2.861	68.200	1.314	PK
2			5650.000	62.566	61.193	-5.634	68.200	1.373	PK
3			5700.000	75.364	74.100	-29.836	105.200	1.264	PK
4			5720.000	80.898	79.436	-29.902	110.800	1.462	PK
5			5725.000	81.943	80.510	-40.257	122.200	1.433	PK
6			5767.400	108.770	106.990	N/A	N/A	1.780	PK
7			5850.000	78.912	77.119	-43.288	122.200	1.792	PK
8			5855.000	76.557	74.755	-34.243	110.800	1.802	PK
9			5855.000	76.557	74.755	-34.243	110.800	1.802	PK
10			5875.000	68.851	66.980	-36.349	105.200	1.872	PK
11			5925.000	60.767	58.698	-7.433	68.200	2.069	PK
12			5925.800	61.825	59.756	-6.375	68.200	2.069	PK

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

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

Site: AC1	Time: 2020/08/20 - 23:38
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5647.400	61.613	60.295	-6.587	68.200	1.319	PK
2			5650.000	59.333	57.960	-8.867	68.200	1.373	PK
3			5700.000	71.077	69.813	-34.123	105.200	1.264	PK
4			5720.000	75.280	73.818	-35.520	110.800	1.462	PK
5			5725.000	77.156	75.723	-45.044	122.200	1.433	PK
6			5779.200	103.837	102.077	N/A	N/A	1.760	PK
7			5850.000	72.911	71.118	-49.289	122.200	1.792	PK
8			5855.000	72.439	70.637	-38.361	110.800	1.802	PK
9			5875.000	64.853	62.982	-40.347	105.200	1.872	PK
10			5925.000	58.685	56.616	-9.515	68.200	2.069	PK
11			5927.200	60.267	58.197	-7.933	68.200	2.070	PK

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

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

6.10. AC Conducted Emissions Measurement

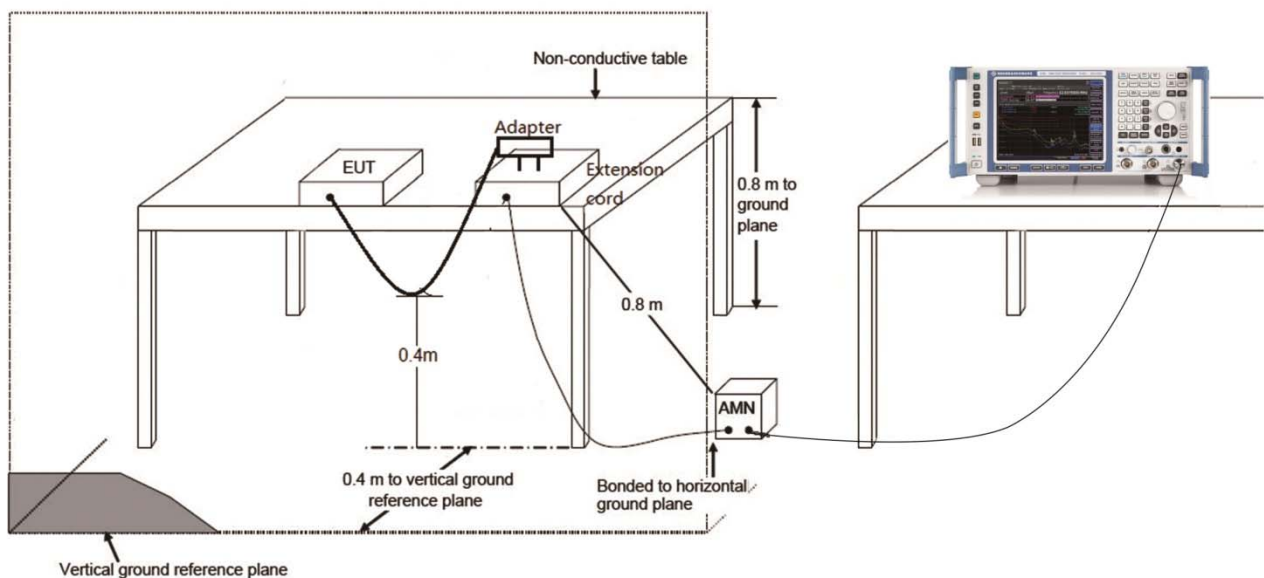
6.10.1. TestLimit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	Average (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.

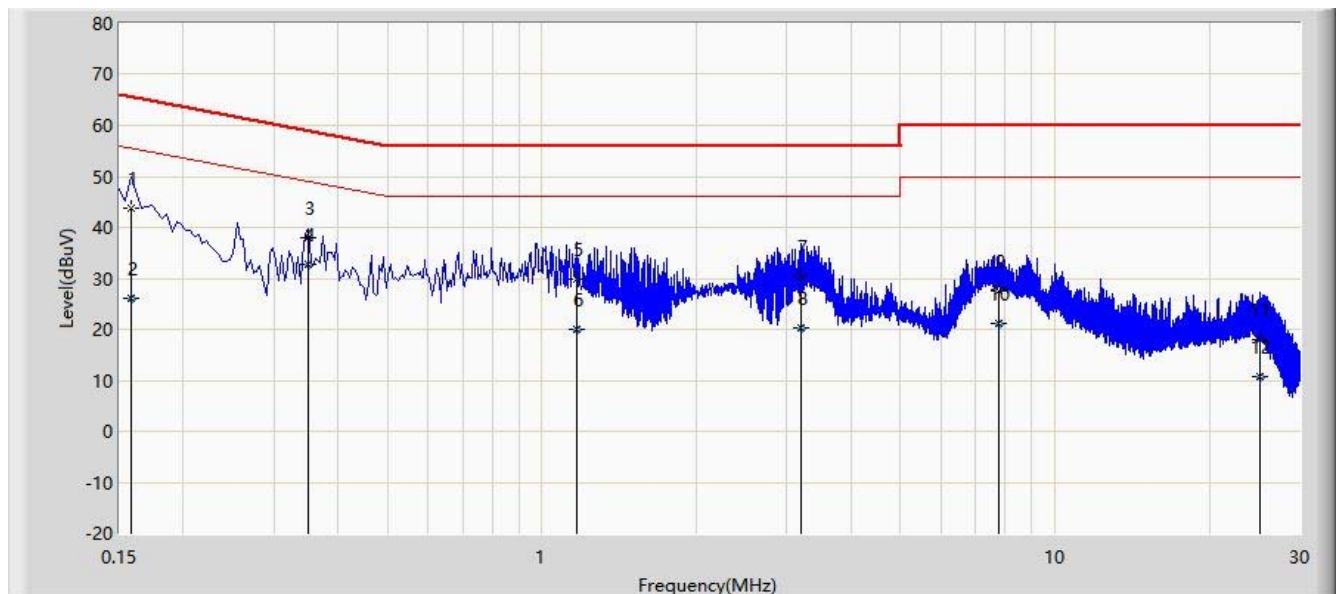
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.10.2. Test Setup



6.10.3.Test Result

Site: SR2	Time: 2020/08/22 - 13:53
Limit: FCC_Part15.207_CE_AC Power	Engineer: Dillon Diao
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

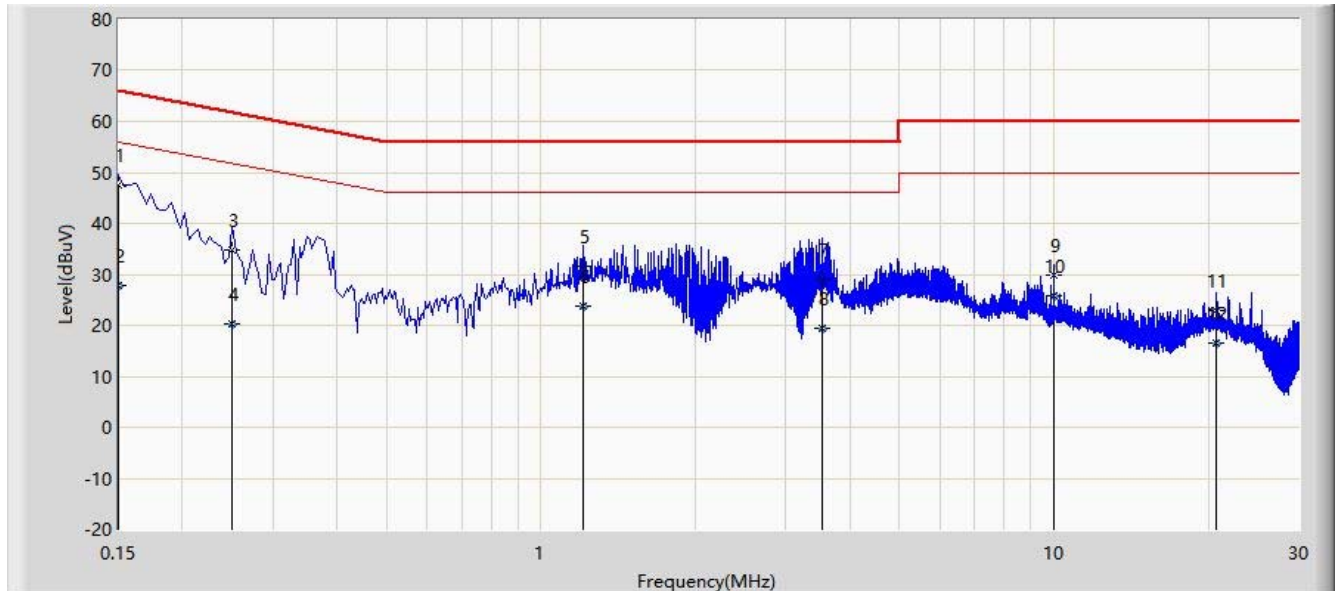


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.158	43.886	34.269	-21.682	65.568	9.617	QP
2			0.158	26.128	16.511	-29.440	55.568	9.617	AV
3			0.350	37.903	28.235	-21.059	58.962	9.668	QP
4		*	0.350	32.835	23.166	-16.128	48.962	9.668	AV
5			1.166	29.861	20.108	-26.139	56.000	9.753	QP
6			1.166	20.028	10.275	-25.972	46.000	9.753	AV
7			3.198	30.338	20.536	-25.662	56.000	9.802	QP
8			3.198	20.232	10.430	-25.768	46.000	9.802	AV
9			7.782	27.542	17.561	-32.458	60.000	9.981	QP
10			7.782	21.060	11.079	-28.940	50.000	9.981	AV
11			25.130	17.932	7.518	-42.068	60.000	10.414	QP
12			25.130	10.842	0.428	-39.158	50.000	10.414	AV

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

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

Site: SR2	Time: 2020/08/22 - 13:57
Limit: FCC_Part15.207_CE_AC Power	Engineer: Dillon Diao
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Subscriber End Equipment HGW	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	47.481	37.878	-18.519	66.000	9.603	QP
2			0.150	27.778	18.175	-28.222	56.000	9.603	AV
3			0.250	34.679	25.040	-27.078	61.757	9.639	QP
4			0.250	20.271	10.632	-31.486	51.757	9.639	AV
5			1.206	31.498	21.753	-24.502	56.000	9.745	QP
6			1.206	23.681	13.936	-22.319	46.000	9.745	AV
7			3.542	29.126	19.317	-26.874	56.000	9.809	QP
8			3.542	19.436	9.628	-26.564	46.000	9.809	AV
9			10.002	29.957	19.903	-30.043	60.000	10.054	QP
10			10.002	25.887	15.833	-24.113	50.000	10.054	AV
11			20.762	22.940	12.637	-37.060	60.000	10.303	QP
12			20.762	16.411	6.108	-33.589	50.000	10.303	AV

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

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

7. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15E of the FCC rules.

The End

Appendix A - Test Setup Photograph

Refer to “2008RSU023-UT” file.

Appendix B - EUT Photograph

Refer to "2008RSU023-UE" file.