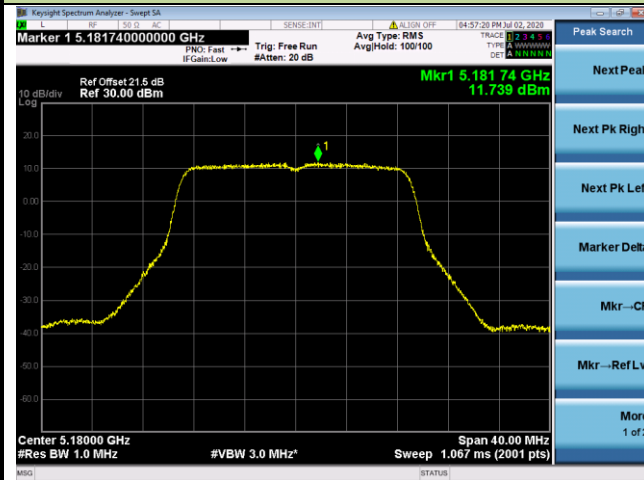
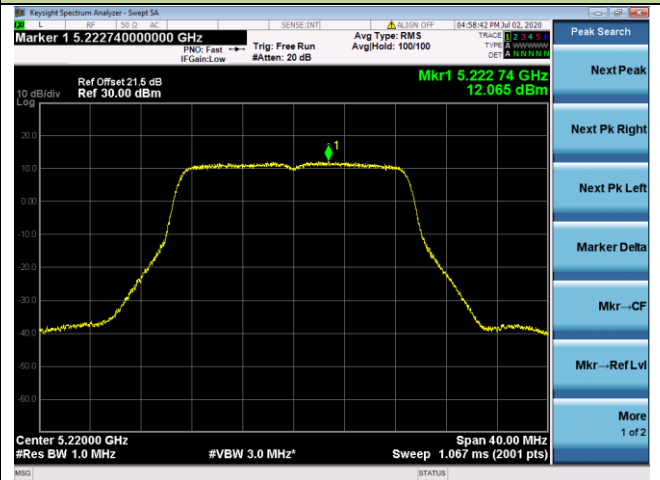


802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1

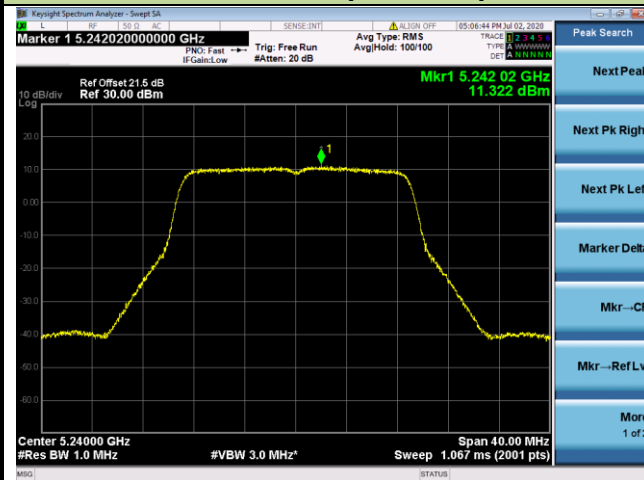
Channel 36 (5180MHz)



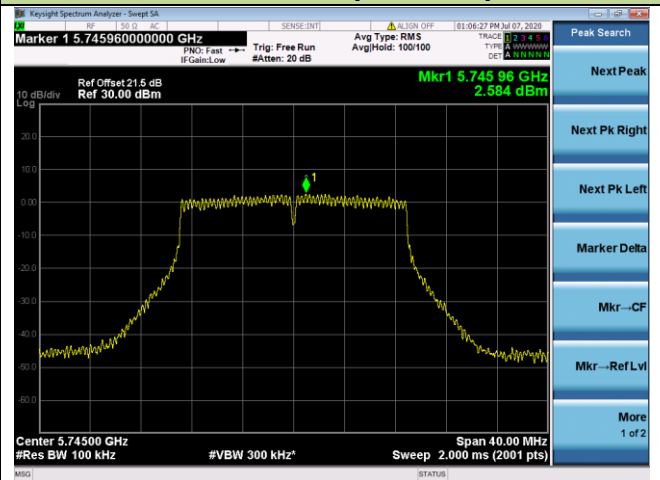
Channel 44 (5220MHz)



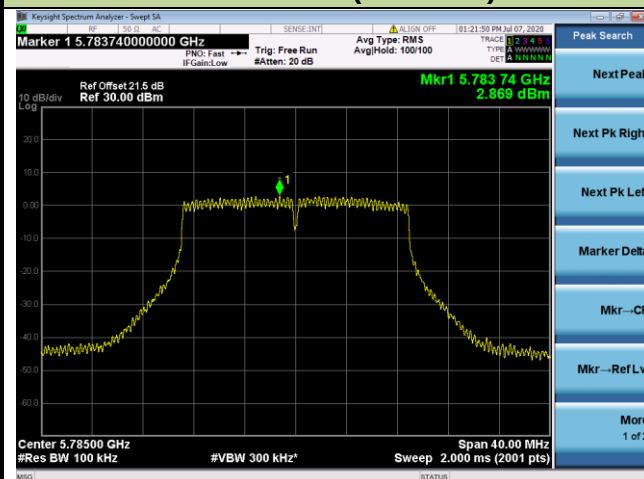
Channel 48 (5240MHz)



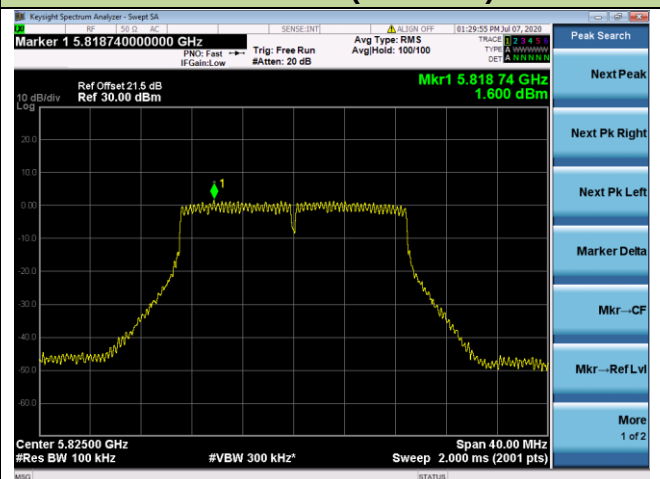
Channel 149 (5745MHz)



Channel 157 (5785MHz)

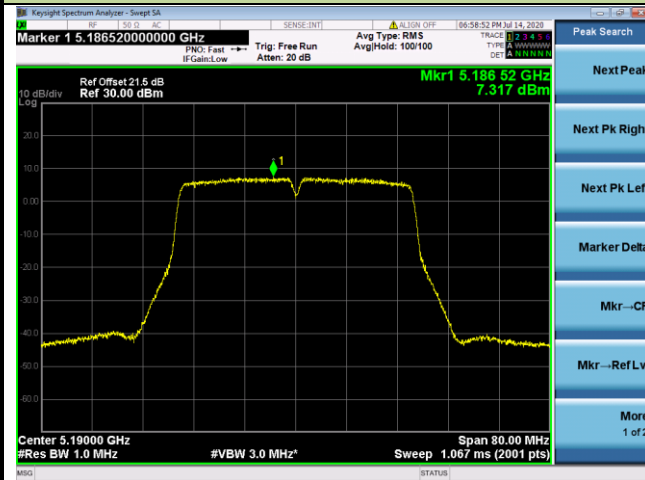


Channel 165 (5825MHz)

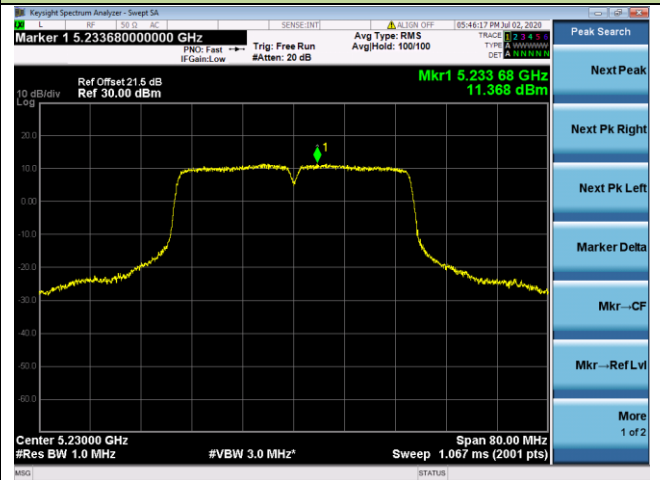


802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1

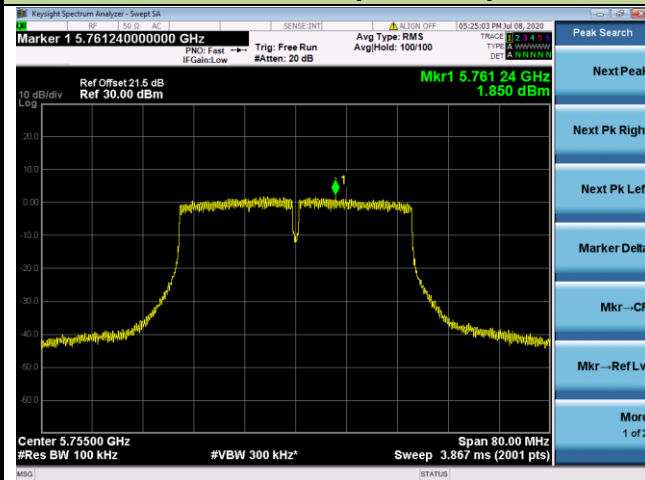
Channel 38 (5190MHz)



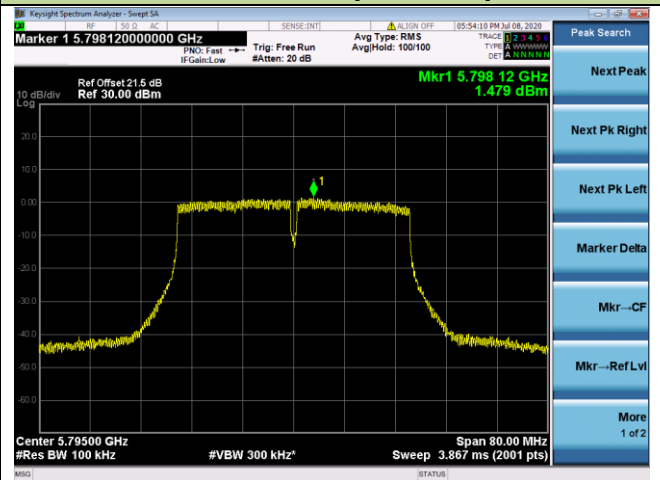
Channel 46 (5230MHz)



Channel 151 (5755MHz)

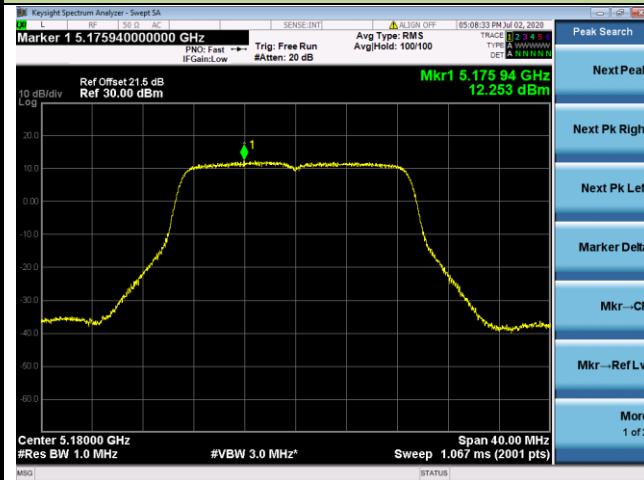


Channel 159 (5795MHz)

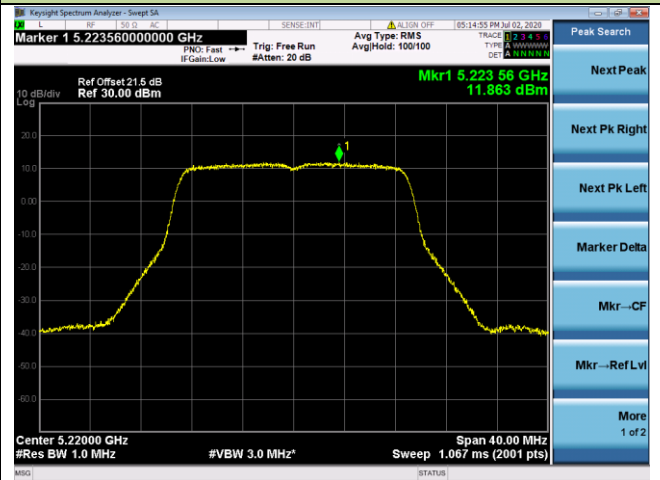


802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

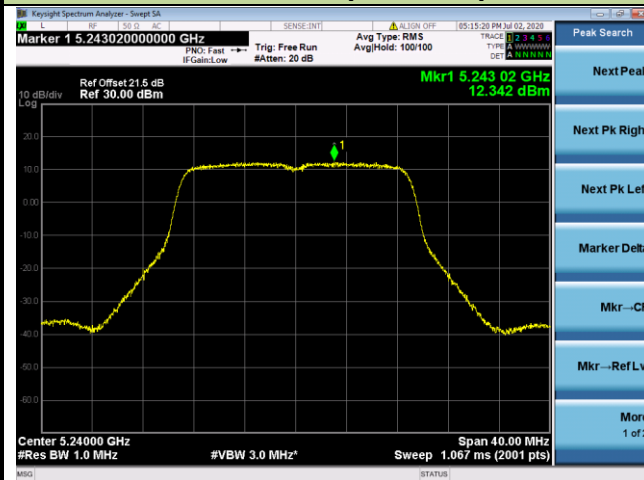
Channel 36 (5180MHz)



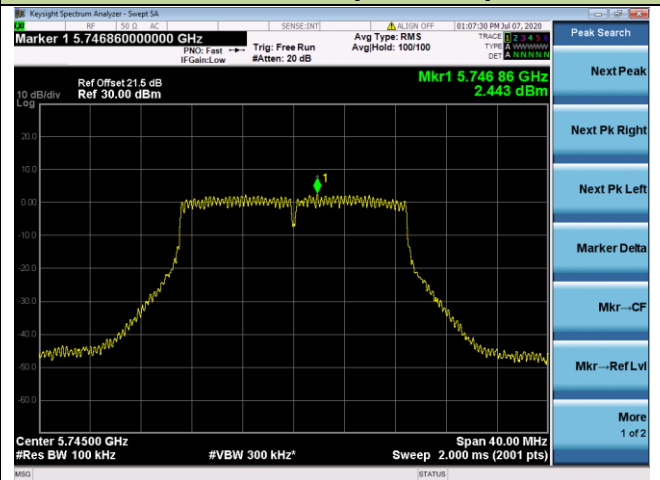
Channel 44 (5220MHz)



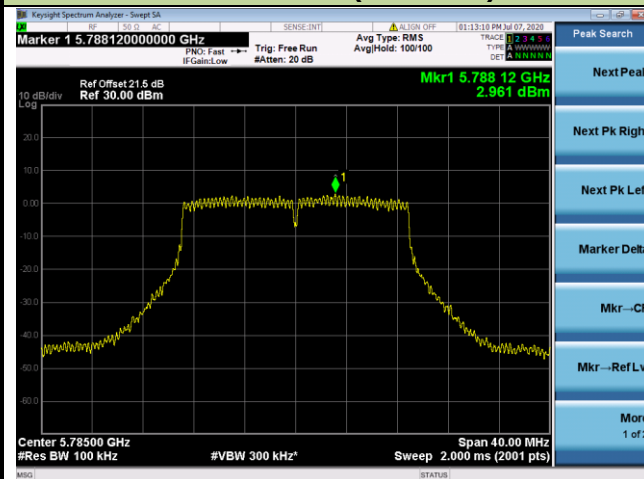
Channel 48 (5240MHz)



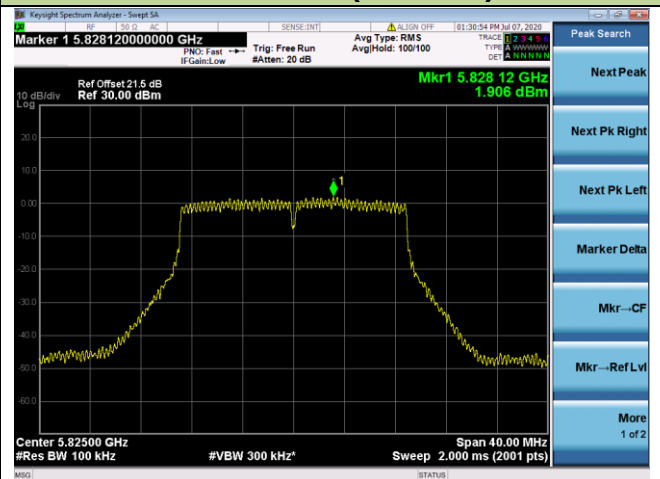
Channel 149 (5745MHz)



Channel 157 (5785MHz)

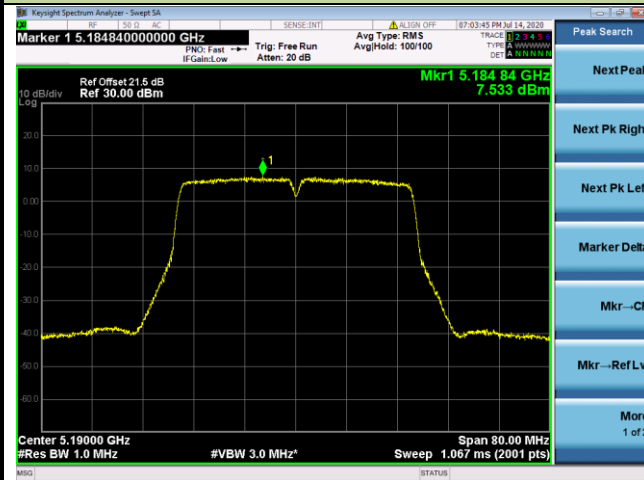


Channel 165 (5825MHz)

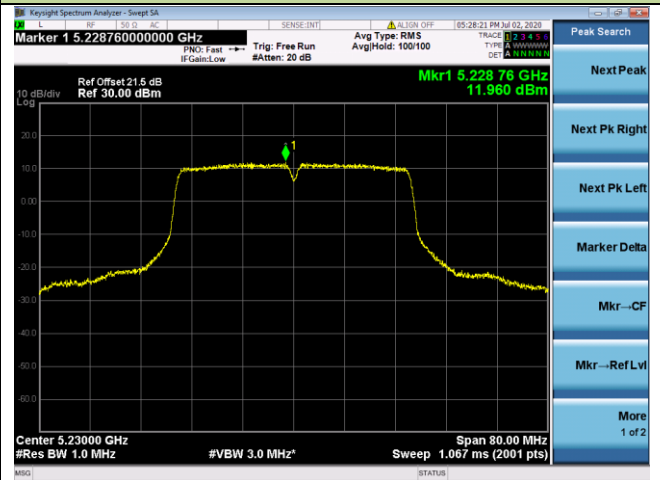


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1

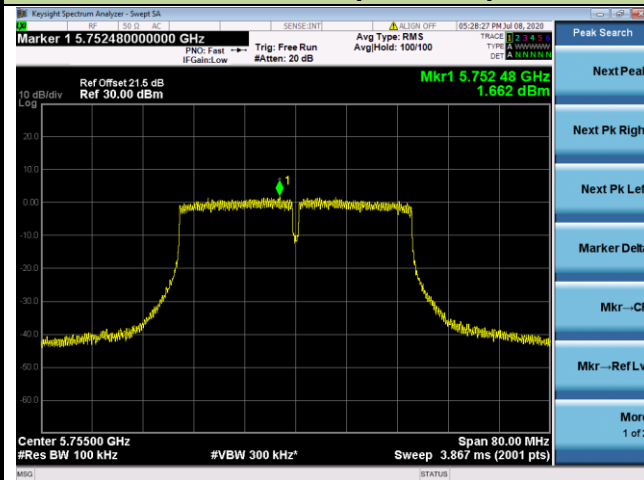
Channel 38 (5190MHz)



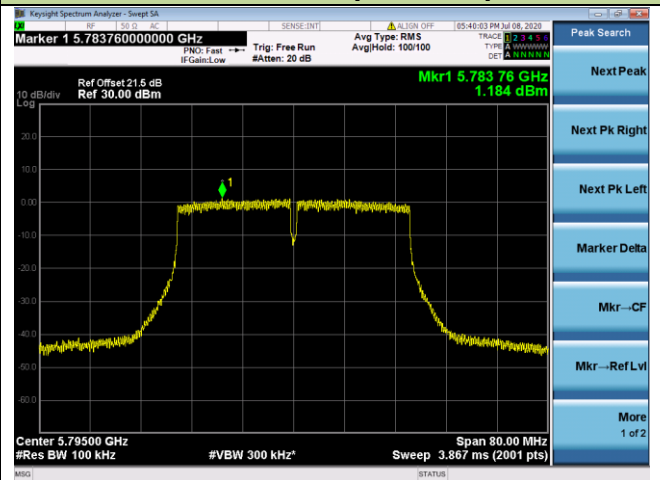
Channel 46 (5230MHz)



Channel 151 (5755MHz)

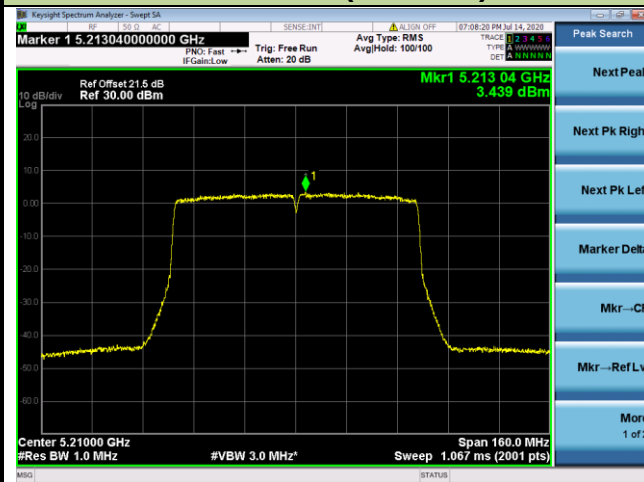


Channel 159 (5795MHz)

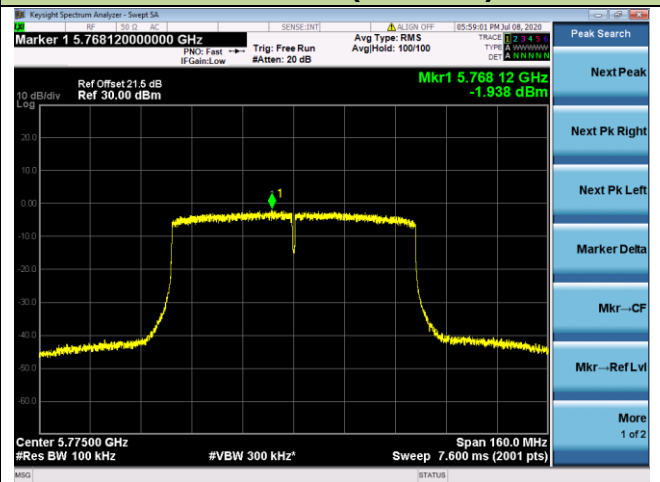


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 42 (5210MHz)

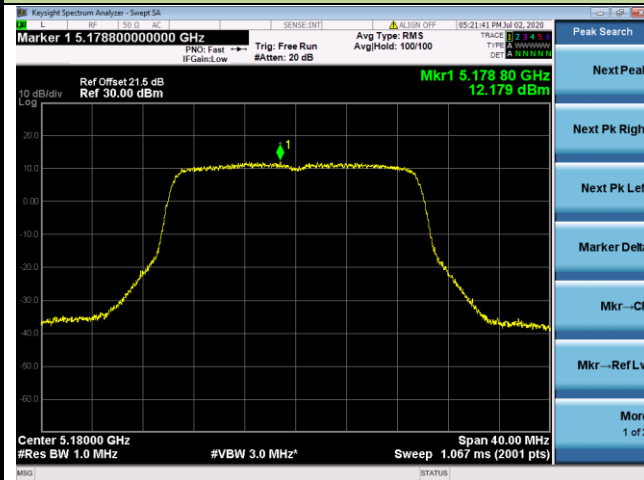


Channel 155 (5775MHz)

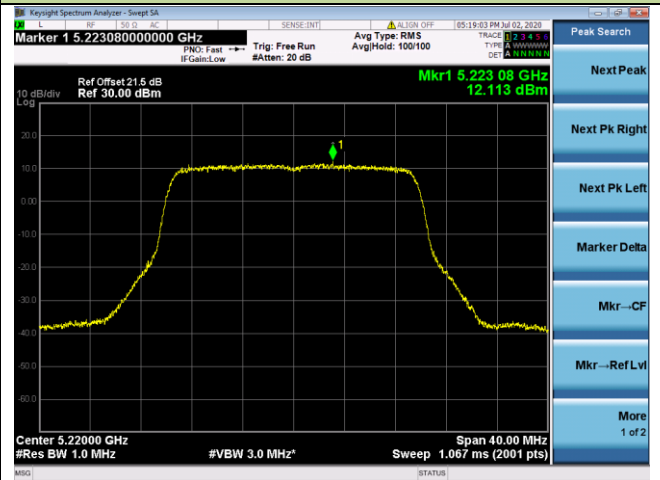


802.11ax-HE20 Power Spectral Density - Ant 1 / Ant 0 + 1

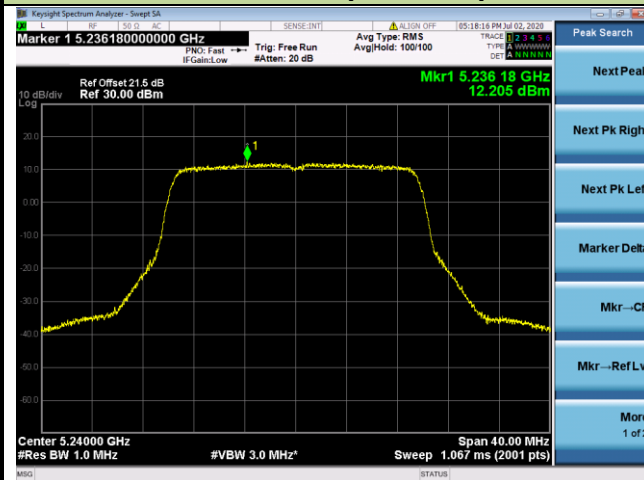
Channel 36 (5180MHz)



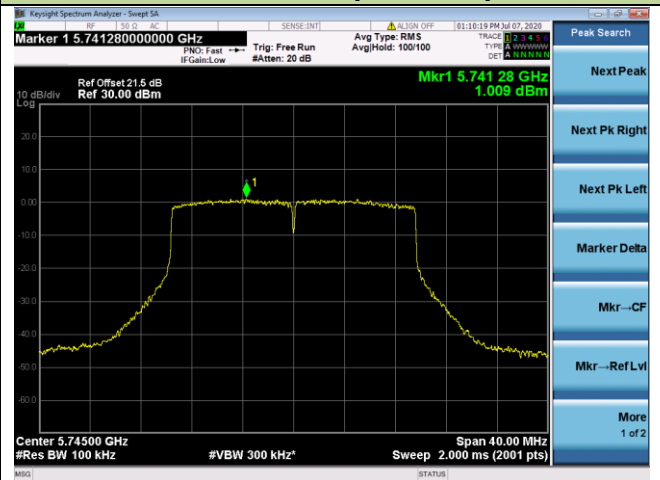
Channel 44 (5220MHz)



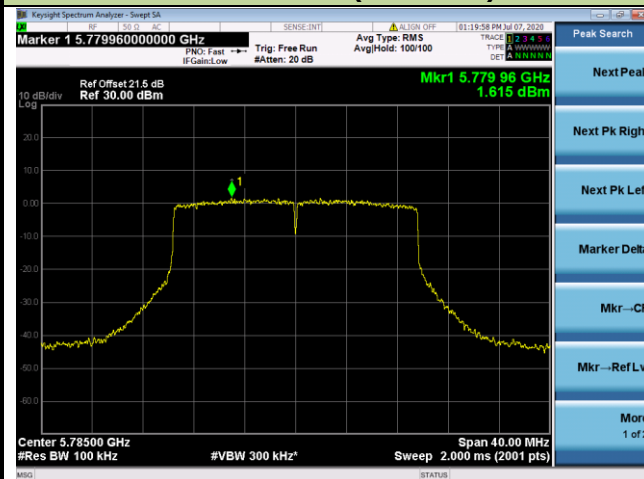
Channel 48 (5240MHz)



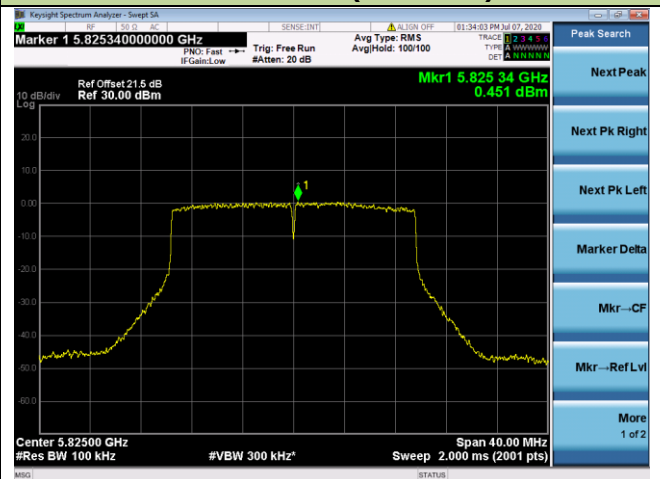
Channel 149 (5745MHz)



Channel 157 (5785MHz)

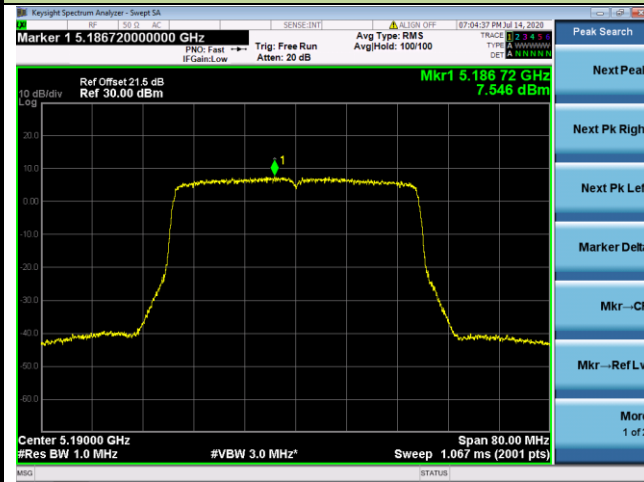


Channel 165 (5825MHz)

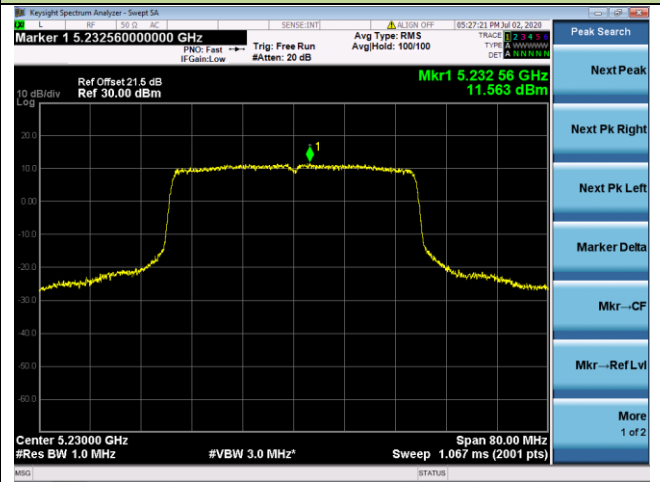


802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1

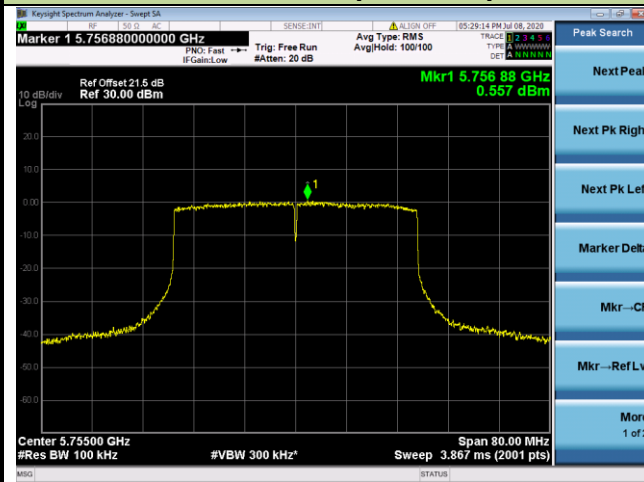
Channel 38 (5190MHz)



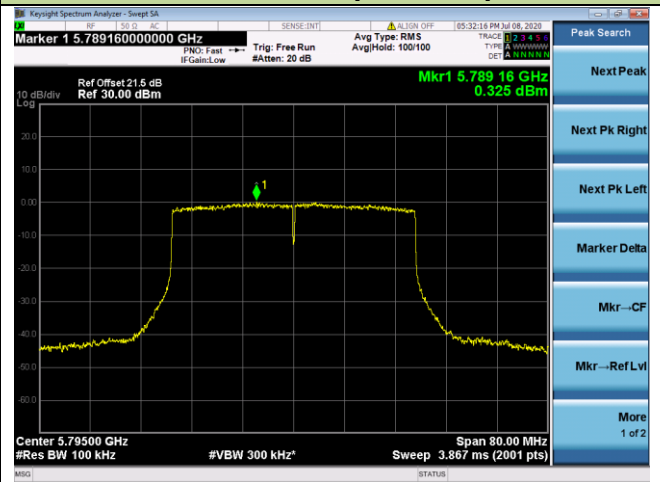
Channel 46 (5230MHz)



Channel 151 (5755MHz)

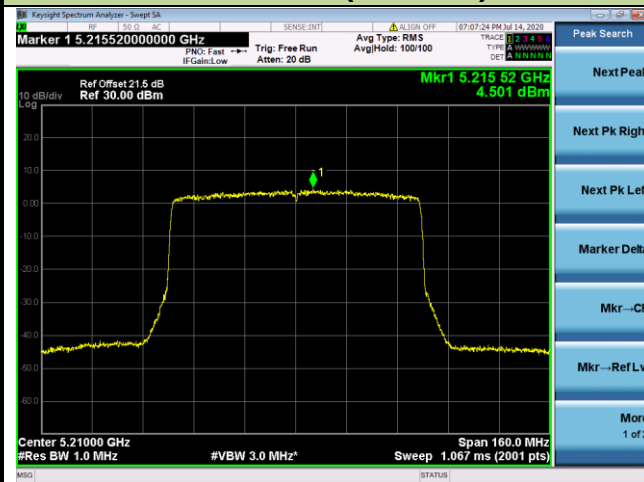


Channel 159 (5795MHz)

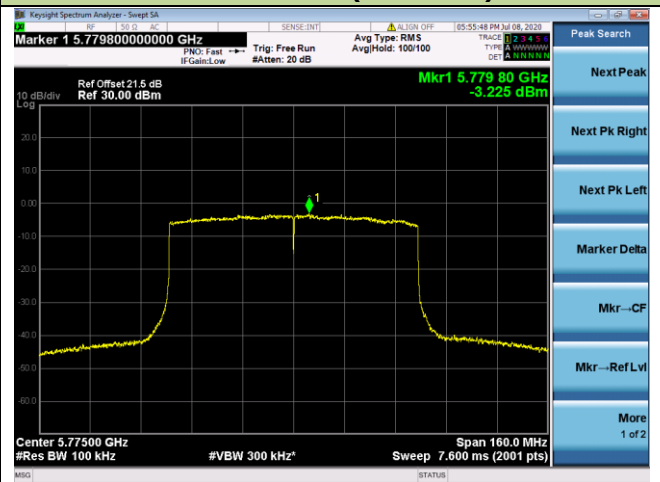


802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 42 (5210MHz)



Channel 155 (5775MHz)



6.6. Frequency Stability Measurement

6.6.1. Test Limit

Fundamental emissions must be contained within the frequency bands specified in this section during all conditions of operation.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

6.6.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

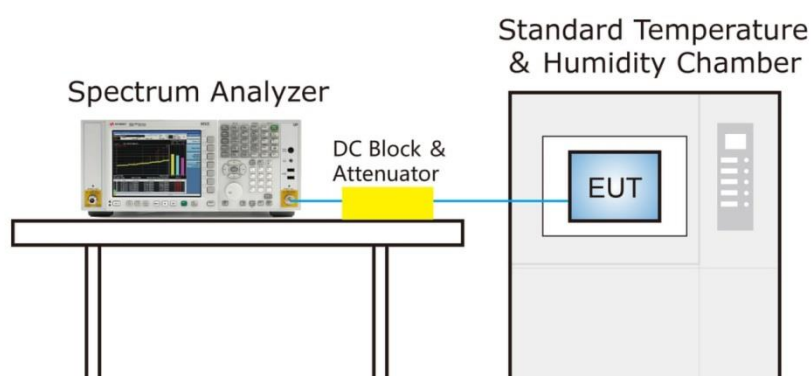
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

6.6.3. Test Setup



6.6.4. Test Result

Product	GigaSpire BLAST u4	Test Engineer	Yuri Li
Test Date	2020/07/16	Test Site	TR3
Test Mode	5180MHz (Carrier frequency)		

Voltage (%)	Power (W)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	- 30	-5.455
		- 20	-3.636
		- 10	0.000
		0	-3.636
		+ 10	-7.273
		+ 20 (Ref)	-3.636
		+ 30	-1.818
		+ 40	-1.818
		+ 50	-3.636
115%	138	+ 20	-3.636
85%	102	+ 20	-5.455

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

6.7. Radiated Spurious Emission Measurement

6.7.1. Test 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 [uV/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

6.7.2. Test Procedure Used

KDB 789033 D02v02r01 – Section G

6.7.3. Test Setting

Table 1 - RBW as a function of frequency

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

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

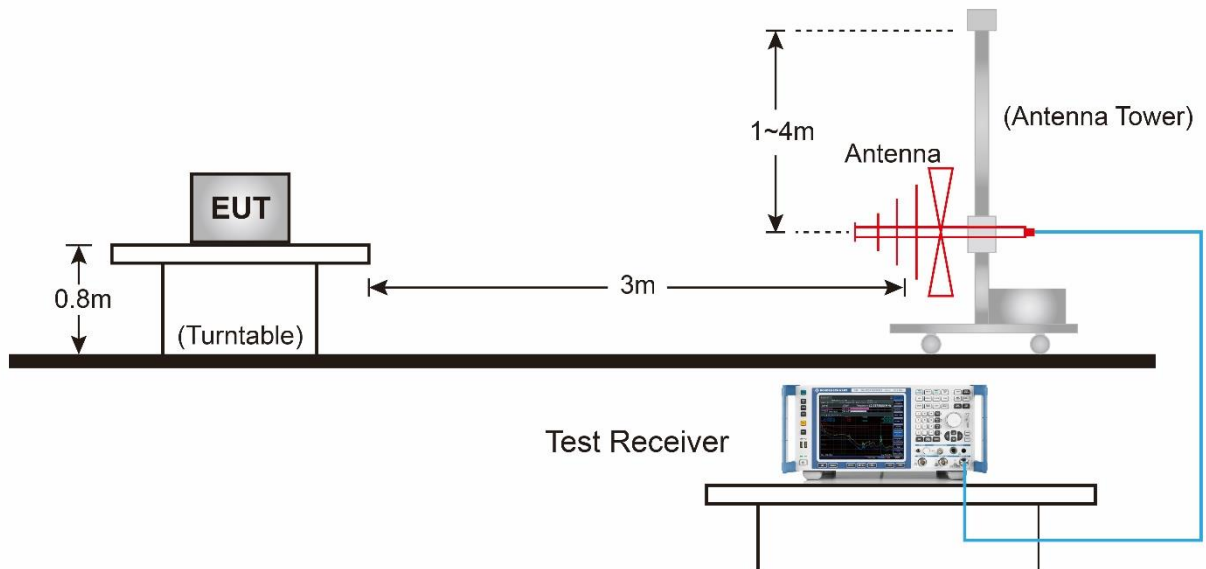
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

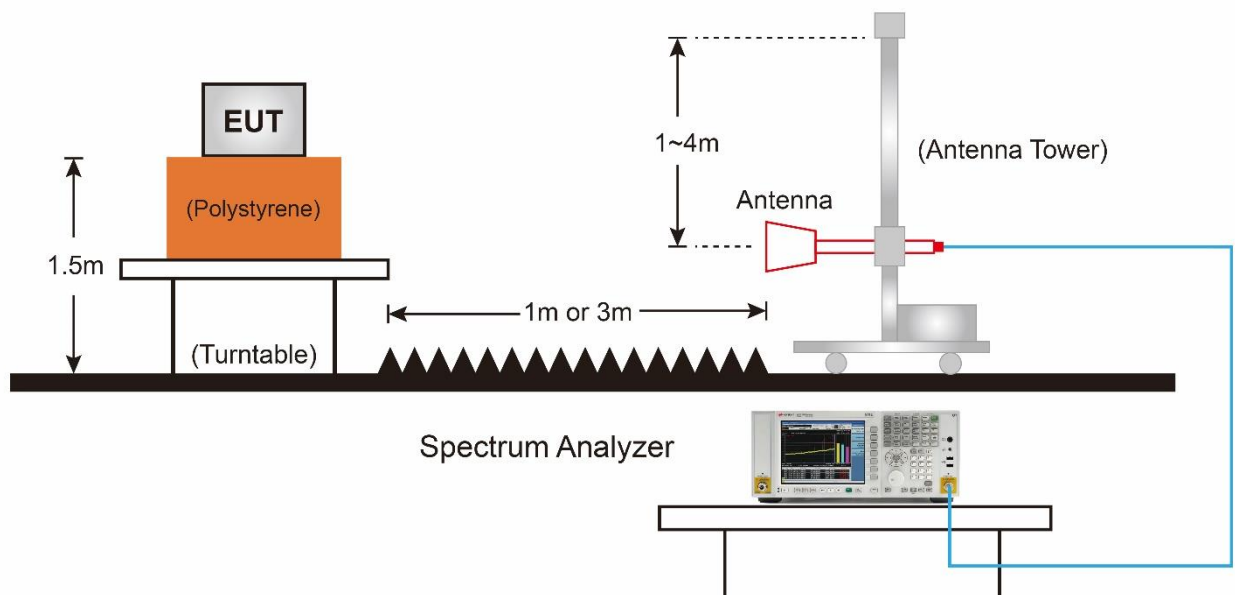
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

6.7.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.7.5. Test Result

Product	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11a - Ant 0 + 1 (CDD Mode)	Test Channel:	36
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
	7434.5	32.8	8.2	41.0	74.0	-33.0	Peak	Horizontal
	8208.0	33.9	8.3	42.2	74.0	-31.8	Peak	Horizontal
*	8718.0	32.0	9.4	41.4	68.2	-26.8	Peak	Horizontal
*	9789.0	32.5	10.7	43.2	68.2	-25.0	Peak	Horizontal
	7502.5	32.2	8.0	40.2	74.0	-33.8	Peak	Vertical
	8106.0	34.9	9.1	44.0	74.0	-30.0	Peak	Vertical
*	8684.0	33.0	9.6	42.6	68.2	-25.6	Peak	Vertical
*	9636.0	34.4	10.5	44.9	68.2	-23.3	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11a - Ant 0 + 1 (CDD Mode)	Test Channel:	44
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
	7434.5	33.2	8.2	41.4	74.0	-32.6	Peak	Horizontal
	8301.5	33.0	8.4	41.4	74.0	-32.6	Peak	Horizontal
*	8692.5	32.5	9.6	42.1	68.2	-26.1	Peak	Horizontal
*	9704.0	33.5	10.8	44.3	68.2	-23.9	Peak	Horizontal
	7485.5	33.2	8.3	41.5	74.0	-32.5	Peak	Vertical
	8165.5	33.6	8.5	42.1	74.0	-31.9	Peak	Vertical
*	8692.5	32.6	9.6	42.2	68.2	-26.0	Peak	Vertical
*	9763.5	35.3	10.7	46.0	68.2	-22.2	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11a - Ant 0 + 1 (CDD Mode)	Test Channel:	48
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
	7681.0	33.2	8.5	41.7	74.0	-32.3	Peak	Horizontal
	8089.0	34.7	9.0	43.7	74.0	-30.3	Peak	Horizontal
*	8667.0	32.6	9.6	42.2	68.2	-26.0	Peak	Horizontal
*	10001.5	34.0	11.2	45.2	68.2	-23.0	Peak	Horizontal
	7468.5	32.4	8.2	40.6	74.0	-33.4	Peak	Vertical
	8199.5	33.7	8.4	42.1	74.0	-31.9	Peak	Vertical
*	8743.5	33.3	9.9	43.2	68.2	-25.0	Peak	Vertical
*	10137.5	35.3	11.1	46.4	68.2	-21.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11a - Ant 0 + 1 (CDD Mode)	Test Channel:	149
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
	7545.0	34.5	8.2	42.7	74.0	-31.3	Peak	Horizontal
	8174.0	34.4	8.6	43.0	74.0	-31.0	Peak	Horizontal
*	8760.5	33.5	10.1	43.6	68.2	-24.6	Peak	Horizontal
*	10137.5	34.1	11.1	45.2	68.2	-23.0	Peak	Horizontal
	7443.0	33.7	8.3	42.0	74.0	-32.0	Peak	Vertical
	8327.0	33.5	8.5	42.0	74.0	-32.0	Peak	Vertical
*	8837.0	31.5	9.8	41.3	68.2	-26.9	Peak	Vertical
*	9721.0	34.1	10.8	44.9	68.2	-23.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11a - Ant 0 + 1 (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
	7536.5	34.3	8.1	42.4	74.0	-31.6	Peak	Horizontal
	8191.0	34.3	8.5	42.8	74.0	-31.2	Peak	Horizontal
*	8692.5	32.4	9.6	42.0	68.2	-26.2	Peak	Horizontal
*	10154.5	34.3	11.4	45.7	68.2	-22.5	Peak	Horizontal
	7477.0	34.1	8.2	42.3	74.0	-31.7	Peak	Vertical
	8250.5	33.2	8.4	41.6	74.0	-32.4	Peak	Vertical
*	8820.0	31.6	9.8	41.4	68.2	-26.8	Peak	Vertical
*	9746.5	34.4	10.8	45.2	68.2	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11a - Ant 0 + 1 (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
	7596.0	33.9	8.2	42.1	74.0	-31.9	Peak	Horizontal
	8293.0	33.4	8.4	41.8	74.0	-32.2	Peak	Horizontal
*	8803.0	32.4	10.0	42.4	68.2	-25.8	Peak	Horizontal
*	10324.5	32.9	12.7	45.6	68.2	-22.6	Peak	Horizontal
	7553.5	34.3	8.2	42.5	74.0	-31.5	Peak	Vertical
	8199.5	32.9	8.4	41.3	74.0	-32.7	Peak	Vertical
*	8752.0	33.1	10.1	43.2	68.2	-25.0	Peak	Vertical
*	9780.5	34.4	10.6	45.0	68.2	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	36
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
	7655.5	38.8	10.1	48.9	74.0	-25.1	Peak	Horizontal
	8352.5	37.4	10.6	48.0	74.0	-26.0	Peak	Horizontal
*	8658.5	36.5	12.1	48.6	68.2	-19.6	Peak	Horizontal
*	9950.5	35.7	13.1	48.8	68.2	-19.4	Peak	Horizontal
	7468.5	38.0	10.7	48.7	74.0	-25.3	Peak	Vertical
	8242.0	36.8	10.7	47.5	74.0	-26.5	Peak	Vertical
*	8616.0	37.2	11.8	49.0	68.2	-19.2	Peak	Vertical
*	9993.0	35.9	13.5	49.4	68.2	-18.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	44
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
	7689.5	38.3	10.5	48.8	74.0	-25.2	Peak	Horizontal
	8386.5	36.5	10.6	47.1	74.0	-26.9	Peak	Horizontal
*	8735.0	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
*	9721.0	35.3	13.2	48.5	68.2	-19.7	Peak	Horizontal
	7375.0	37.8	10.1	47.9	74.0	-26.1	Peak	Vertical
	8097.5	37.7	11.5	49.2	74.0	-24.8	Peak	Vertical
*	8811.5	36.4	12.6	49.0	68.2	-19.2	Peak	Vertical
*	9721.0	35.6	13.2	48.8	68.2	-19.4	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	48
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
	7443.0	37.6	10.7	48.3	74.0	-25.7	Peak	Horizontal
	8242.0	37.1	10.7	47.8	74.0	-26.2	Peak	Horizontal
*	8777.5	36.7	12.4	49.1	68.2	-19.1	Peak	Horizontal
*	9899.5	36.1	13.3	49.4	68.2	-18.8	Peak	Horizontal
	7451.5	37.8	10.7	48.5	74.0	-25.5	Peak	Vertical
	8199.5	37.4	10.6	48.0	74.0	-26.0	Peak	Vertical
*	8845.5	36.1	12.0	48.1	68.2	-20.1	Peak	Vertical
*	9814.5	35.6	13.2	48.8	68.2	-19.4	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	149
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
	7681.0	37.2	10.7	47.9	74.0	-26.1	Peak	Horizontal
	8242.0	38.9	10.7	49.6	74.0	-24.4	Peak	Horizontal
*	8692.5	36.6	12.3	48.9	68.2	-19.3	Peak	Horizontal
*	9644.5	35.4	12.7	48.1	68.2	-20.1	Peak	Horizontal
	7681.0	37.0	10.7	47.7	74.0	-26.3	Peak	Vertical
	8242.0	37.2	10.7	47.9	74.0	-26.1	Peak	Vertical
*	8820.0	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	9712.5	35.1	13.2	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7681.0	37.0	10.7	47.7	74.0	-26.3	Peak	Horizontal
	8242.0	37.2	10.7	47.9	74.0	-26.1	Peak	Horizontal
*	8820.0	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	9712.5	35.1	13.2	48.3	68.2	-19.9	Peak	Horizontal
	7630.0	38.0	10.1	48.1	74.0	-25.9	Peak	Vertical
	8242.0	36.8	10.7	47.5	74.0	-26.5	Peak	Vertical
*	8658.5	35.9	12.1	48.0	68.2	-20.2	Peak	Vertical
*	9993.0	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT20 - Ant 0 + 1 (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
	7460.0	37.2	10.7	47.9	74.0	-26.1	Peak	Horizontal
	8216.5	35.8	10.6	46.4	74.0	-27.6	Peak	Horizontal
*	8769.0	36.2	12.5	48.7	68.2	-19.5	Peak	Horizontal
*	9865.5	36.1	13.6	49.7	68.2	-18.5	Peak	Horizontal
*	7434.5	37.3	10.5	47.8	74.0	-26.2	Peak	Vertical
	8106.0	37.1	11.4	48.5	74.0	-25.5	Peak	Vertical
	8905.0	37.2	12.5	49.7	68.2	-18.5	Peak	Vertical
*	9865.5	36.2	13.6	49.8	68.2	-18.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7400.5	37.5	10.4	47.9	74.0	-26.1	Peak	Horizontal
	8267.5	37.2	10.6	47.8	74.0	-26.2	Peak	Horizontal
*	8777.5	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	9704.0	34.7	12.9	47.6	68.2	-20.6	Peak	Horizontal
	7494.0	37.9	10.5	48.4	74.0	-25.6	Peak	Vertical
	8165.5	36.4	10.7	47.1	74.0	-26.9	Peak	Vertical
*	8735.0	36.2	12.4	48.6	68.2	-19.6	Peak	Vertical
*	10052.5	35.0	13.2	48.2	68.2	-20.0	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7511.0	37.2	10.3	47.5	74.0	-26.5	Peak	Horizontal
	8131.5	35.4	10.9	46.3	74.0	-27.7	Peak	Horizontal
*	8769.0	35.6	12.5	48.1	68.2	-20.1	Peak	Horizontal
*	10129.0	35.2	14.0	49.2	68.2	-19.0	Peak	Horizontal
	7375.0	37.1	10.1	47.2	74.0	-26.8	Peak	Vertical
	8429.0	38.2	10.8	49.0	74.0	-25.0	Peak	Vertical
*	8998.5	36.1	12.3	48.4	68.2	-19.8	Peak	Vertical
*	10001.5	35.4	13.4	48.8	68.2	-19.4	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7621.5	38.2	10.2	48.4	74.0	-25.6	Peak	Horizontal
	8454.5	36.9	11.1	48.0	74.0	-26.0	Peak	Horizontal
*	8786.0	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	10188.5	35.9	14.1	50.0	68.2	-18.2	Peak	Horizontal
	7434.5	37.7	10.5	48.2	74.0	-25.8	Peak	Vertical
	8327.0	36.8	10.4	47.2	74.0	-26.8	Peak	Vertical
*	8888.0	35.5	12.3	47.8	68.2	-20.4	Peak	Vertical
*	9738.0	35.5	13.2	48.7	68.2	-19.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11n-HT40 - Ant 0 + 1 (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
	7536.5	37.0	10.5	47.5	74.0	-26.5	Peak	Horizontal
	8310.0	35.9	10.4	46.3	74.0	-27.7	Peak	Horizontal
*	8616.0	37.2	11.8	49.0	68.2	-19.2	Peak	Horizontal
*	9772.0	35.4	13.1	48.5	68.2	-19.7	Peak	Horizontal
	7494.0	37.5	10.5	48.0	74.0	-26.0	Peak	Vertical
	8310.0	36.1	10.4	46.5	74.0	-27.5	Peak	Vertical
*	8811.5	35.7	12.6	48.3	68.2	-19.9	Peak	Vertical
*	9823.0	35.9	13.2	49.1	68.2	-19.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	36
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
	7460.0	35.3	8.3	43.6	74.0	-30.4	Peak	Horizontal
	8191.0	33.9	8.5	42.4	74.0	-31.6	Peak	Horizontal
*	8743.5	32.8	9.9	42.7	68.2	-25.5	Peak	Horizontal
*	9729.5	34.6	10.8	45.4	68.2	-22.8	Peak	Horizontal
	7443.0	34.1	8.3	42.4	74.0	-31.6	Peak	Vertical
	8242.0	33.7	8.5	42.2	74.0	-31.8	Peak	Vertical
*	8760.5	32.0	10.1	42.1	68.2	-26.1	Peak	Vertical
*	10282.0	34.3	12.1	46.4	68.2	-21.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	44
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
	7536.5	34.6	8.1	42.7	74.0	-31.3	Peak	Horizontal
	8335.5	32.9	8.5	41.4	74.0	-32.6	Peak	Horizontal
*	8760.5	33.8	10.1	43.9	68.2	-24.3	Peak	Horizontal
*	10256.5	33.5	12.1	45.6	68.2	-22.6	Peak	Horizontal
	7553.5	34.3	8.2	42.5	74.0	-31.5	Peak	Vertical
	8216.5	34.5	8.2	42.7	74.0	-31.3	Peak	Vertical
*	8667.0	33.6	9.6	43.2	68.2	-25.0	Peak	Vertical
*	10188.5	34.3	11.4	45.7	68.2	-22.5	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	48
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
	7502.5	33.9	8.0	41.9	74.0	-32.1	Peak	Horizontal
	8327.0	31.9	8.5	40.4	74.0	-33.6	Peak	Horizontal
*	8811.5	32.2	9.9	42.1	68.2	-26.1	Peak	Horizontal
*	9780.5	35.1	10.6	45.7	68.2	-22.5	Peak	Horizontal
	7587.5	34.1	8.3	42.4	74.0	-31.6	Peak	Vertical
	8369.5	32.8	8.6	41.4	74.0	-32.6	Peak	Vertical
*	8760.5	33.5	10.1	43.6	68.2	-24.6	Peak	Vertical
*	10069.5	33.7	11.3	45.0	68.2	-23.2	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (CDD Mode)	Test Channel:	149
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
	7511.0	34.9	7.9	42.8	74.0	-31.2	Peak	Horizontal
	8191.0	34.3	8.5	42.8	74.0	-31.2	Peak	Horizontal
*	8769.0	32.2	10.1	42.3	68.2	-25.9	Peak	Horizontal
*	10248.0	33.6	11.9	45.5	68.2	-22.7	Peak	Horizontal
	7638.5	34.3	8.1	42.4	74.0	-31.6	Peak	Vertical
	8182.5	34.2	8.6	42.8	74.0	-31.2	Peak	Vertical
*	8692.5	33.4	9.6	43.0	68.2	-25.2	Peak	Vertical
*	10324.5	33.1	12.7	45.8	68.2	-22.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7443.0	34.0	8.3	42.3	74.0	-31.7	Peak	Horizontal
	8301.5	33.8	8.4	42.2	74.0	-31.8	Peak	Horizontal
*	8769.0	32.5	10.1	42.6	68.2	-25.6	Peak	Horizontal
*	9797.5	34.7	10.7	45.4	68.2	-22.8	Peak	Horizontal
	7621.5	34.6	8.1	42.7	74.0	-31.3	Peak	Vertical
	8276.0	32.7	8.3	41.0	74.0	-33.0	Peak	Vertical
*	8735.0	34.0	9.8	43.8	68.2	-24.4	Peak	Vertical
*	10256.5	33.7	12.1	45.8	68.2	-22.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (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
	7434.5	34.9	8.2	43.1	74.0	-30.9	Peak	Horizontal
	8242.0	33.8	8.5	42.3	74.0	-31.7	Peak	Horizontal
*	8692.5	33.7	9.6	43.3	68.2	-24.9	Peak	Horizontal
*	10231.0	34.9	11.7	46.6	68.2	-21.6	Peak	Horizontal
	7468.5	33.9	8.2	42.1	74.0	-31.9	Peak	Vertical
	8242.0	33.7	8.5	42.2	74.0	-31.8	Peak	Vertical
*	8675.5	34.2	9.5	43.7	68.2	-24.5	Peak	Vertical
*	9687.0	34.9	10.7	45.6	68.2	-22.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7477.0	37.2	10.6	47.8	74.0	-26.2	Peak	Horizontal
	8140.0	37.7	10.8	48.5	74.0	-25.5	Peak	Horizontal
*	8769.0	36.4	12.5	48.9	68.2	-19.3	Peak	Horizontal
*	9916.5	36.1	13.2	49.3	68.2	-18.9	Peak	Horizontal
	7511.0	37.6	10.3	47.9	74.0	-26.1	Peak	Vertical
	8395.0	37.4	10.8	48.2	74.0	-25.8	Peak	Vertical
*	8777.5	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	9721.0	35.2	13.2	48.4	68.2	-19.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7409.0	36.7	10.5	47.2	74.0	-26.8	Peak	Horizontal
	8174.0	36.1	10.8	46.9	74.0	-27.1	Peak	Horizontal
*	8607.5	35.6	11.6	47.2	68.2	-21.0	Peak	Horizontal
*	9687.0	35.8	12.6	48.4	68.2	-19.8	Peak	Horizontal
	7723.5	37.6	10.3	47.9	74.0	-26.1	Peak	Vertical
	8446.0	36.8	10.9	47.7	74.0	-26.3	Peak	Vertical
*	8769.0	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	9678.5	34.3	12.6	46.9	68.2	-21.3	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7681.0	37.3	10.7	48.0	74.0	-26.0	Peak	Horizontal
	8080.5	37.8	11.1	48.9	74.0	-25.1	Peak	Horizontal
*	8803.0	36.8	12.5	49.3	68.2	-18.9	Peak	Horizontal
*	10001.5	35.8	13.4	49.2	68.2	-19.0	Peak	Horizontal
	7468.5	37.7	10.7	48.4	74.0	-25.6	Peak	Vertical
	8097.5	36.5	11.5	48.0	74.0	-26.0	Peak	Vertical
*	8692.5	36.3	12.3	48.6	68.2	-19.6	Peak	Vertical
*	9908.0	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (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
	7621.5	37.6	10.2	47.8	74.0	-26.2	Peak	Horizontal
	8276.0	37.2	10.4	47.6	74.0	-26.4	Peak	Horizontal
*	8854.0	35.5	12.1	47.6	68.2	-20.6	Peak	Horizontal
*	9874.0	35.2	13.8	49.0	68.2	-19.2	Peak	Horizontal
	7460.0	36.9	10.7	47.6	74.0	-26.4	Peak	Vertical
	8276.0	35.3	10.4	45.7	74.0	-28.3	Peak	Vertical
*	8786.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	9593.5	34.6	12.8	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (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
	7604.5	36.8	10.3	47.1	74.0	-26.9	Peak	Horizontal
	8344.0	36.4	10.6	47.0	74.0	-27.0	Peak	Horizontal
*	8735.0	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	10426.5	36.3	15.2	51.5	68.2	-16.7	Peak	Horizontal
	7672.5	36.9	10.4	47.3	74.0	-26.7	Peak	Vertical
	8080.5	37.3	11.1	48.4	74.0	-25.6	Peak	Vertical
*	8735.0	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	9882.5	36.9	13.6	50.5	68.2	-17.7	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (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
	7443.0	37.3	10.7	48.0	74.0	-26.0	Peak	Horizontal
	8165.5	36.6	10.7	47.3	74.0	-26.7	Peak	Horizontal
*	8735.0	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	9678.5	35.6	12.6	48.2	68.2	-20.0	Peak	Horizontal
	7587.5	37.0	10.5	47.5	74.0	-26.5	Peak	Vertical
	8165.5	37.1	10.7	47.8	74.0	-26.2	Peak	Vertical
*	8582.0	35.5	11.5	47.0	68.2	-21.2	Peak	Vertical
*	9857.0	35.8	13.4	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (CDD Mode)	Test Channel:	36
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
	7409.0	37.3	10.5	47.8	74.0	-26.2	Peak	Horizontal
	8063.5	37.9	11.0	48.9	74.0	-25.1	Peak	Horizontal
*	8709.5	37.6	12.1	49.7	68.2	-18.5	Peak	Horizontal
*	9721.0	35.0	13.2	48.2	68.2	-20.0	Peak	Horizontal
	7502.5	36.3	10.4	46.7	74.0	-27.3	Peak	Vertical
	8072.0	37.6	11.0	48.6	74.0	-25.4	Peak	Vertical
*	8769.0	36.7	12.5	49.2	68.2	-19.0	Peak	Vertical
*	9984.5	35.7	13.6	49.3	68.2	-18.9	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (CDD Mode)	Test Channel:	44
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
	7460.0	37.4	10.7	48.1	74.0	-25.9	Peak	Horizontal
	8029.5	37.0	10.9	47.9	74.0	-26.1	Peak	Horizontal
*	8735.0	37.2	12.4	49.6	68.2	-18.6	Peak	Horizontal
*	10163.0	36.5	13.6	50.1	68.2	-18.1	Peak	Horizontal
	7417.5	37.6	10.4	48.0	74.0	-26.0	Peak	Vertical
	8165.5	37.3	10.7	48.0	74.0	-26.0	Peak	Vertical
*	8811.5	35.7	12.6	48.3	68.2	-19.9	Peak	Vertical
*	9738.0	35.2	13.2	48.4	68.2	-19.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (CDD Mode)	Test Channel:	48
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
	7689.5	37.5	10.5	48.0	74.0	-26.0	Peak	Horizontal
	8123.0	37.2	11.1	48.3	74.0	-25.7	Peak	Horizontal
*	8539.5	35.8	11.2	47.0	68.2	-21.2	Peak	Horizontal
*	9678.5	35.0	12.6	47.6	68.2	-20.6	Peak	Horizontal
	7468.5	37.3	10.7	48.0	74.0	-26.0	Peak	Vertical
	8046.5	38.0	11.1	49.1	74.0	-24.9	Peak	Vertical
*	8692.5	36.9	12.3	49.2	68.2	-19.0	Peak	Vertical
*	9772.0	35.0	13.1	48.1	68.2	-20.1	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (CDD Mode)	Test Channel:	149
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
	7417.5	37.3	10.4	47.7	74.0	-26.3	Peak	Horizontal
	8242.0	36.8	10.7	47.5	74.0	-26.5	Peak	Horizontal
*	8888.0	35.3	12.3	47.6	68.2	-20.6	Peak	Horizontal
*	9636.0	35.9	12.8	48.7	68.2	-19.5	Peak	Horizontal
	7468.5	37.3	10.7	48.0	74.0	-26.0	Peak	Vertical
	8233.5	37.3	10.6	47.9	74.0	-26.1	Peak	Vertical
*	8692.5	36.1	12.3	48.4	68.2	-19.8	Peak	Vertical
*	9593.5	34.7	12.8	47.5	68.2	-20.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (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
	7681.0	36.4	10.7	47.1	74.0	-26.9	Peak	Horizontal
	8250.5	36.9	10.8	47.7	74.0	-26.3	Peak	Horizontal
*	8964.5	36.5	12.2	48.7	68.2	-19.5	Peak	Horizontal
*	9704.0	35.8	12.9	48.7	68.2	-19.5	Peak	Horizontal
	7681.0	36.7	10.7	47.4	74.0	-26.6	Peak	Vertical
	8344.0	37.0	10.6	47.6	74.0	-26.4	Peak	Vertical
*	8871.0	36.1	12.4	48.5	68.2	-19.7	Peak	Vertical
*	9840.0	35.1	13.4	48.5	68.2	-19.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (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
	7638.5	37.8	10.1	47.9	74.0	-26.1	Peak	Horizontal
	8250.5	36.9	10.8	47.7	74.0	-26.3	Peak	Horizontal
*	8735.0	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	9882.5	36.0	13.6	49.6	68.2	-18.6	Peak	Horizontal
	7689.5	37.5	10.5	48.0	74.0	-26.0	Peak	Vertical
	8233.5	37.3	10.6	47.9	74.0	-26.1	Peak	Vertical
*	8752.0	36.5	12.6	49.1	68.2	-19.1	Peak	Vertical
*	10018.5	36.2	13.3	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (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
	7545.0	36.8	10.7	47.5	74.0	-26.5	Peak	Horizontal
	8318.5	37.1	10.4	47.5	74.0	-26.5	Peak	Horizontal
*	8752.0	36.3	12.6	48.9	68.2	-19.3	Peak	Horizontal
*	10018.5	36.5	13.3	49.8	68.2	-18.4	Peak	Horizontal
	7613.0	37.1	10.2	47.3	74.0	-26.7	Peak	Vertical
	8242.0	36.9	10.7	47.6	74.0	-26.4	Peak	Vertical
*	8811.5	35.7	12.6	48.3	68.2	-19.9	Peak	Vertical
*	9517.0	37.0	13.1	50.1	68.2	-18.1	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (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
	7689.5	37.7	10.5	48.2	74.0	-25.8	Peak	Horizontal
	8454.5	37.0	11.1	48.1	74.0	-25.9	Peak	Horizontal
*	8735.0	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	9772.0	34.8	13.1	47.9	68.2	-20.3	Peak	Horizontal
	7468.5	37.2	10.7	47.9	74.0	-26.1	Peak	Vertical
	8250.5	36.3	10.8	47.1	74.0	-26.9	Peak	Vertical
*	8658.5	36.0	12.1	48.1	68.2	-20.1	Peak	Vertical
*	9823.0	35.3	13.2	48.5	68.2	-19.7	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (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
	7485.5	37.8	10.5	48.3	74.0	-25.7	Peak	Horizontal
	8199.5	36.6	10.6	47.2	74.0	-26.8	Peak	Horizontal
*	8803.0	36.0	12.5	48.5	68.2	-19.7	Peak	Horizontal
*	10324.5	36.3	14.9	51.2	68.2	-17.0	Peak	Horizontal
	7655.5	37.5	10.1	47.6	74.0	-26.4	Peak	Vertical
	8174.0	37.6	10.8	48.4	74.0	-25.6	Peak	Vertical
*	8769.0	35.7	12.5	48.2	68.2	-20.0	Peak	Vertical
*	9874.0	35.7	13.8	49.5	68.2	-18.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (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
	7434.5	36.9	10.5	47.4	74.0	-26.6	Peak	Horizontal
	8182.5	37.6	10.7	48.3	74.0	-25.7	Peak	Horizontal
*	8888.0	35.2	12.3	47.5	68.2	-20.7	Peak	Horizontal
*	9916.5	34.2	13.2	47.4	68.2	-20.8	Peak	Horizontal
	7324.0	37.1	10.6	47.7	74.0	-26.3	Peak	Vertical
	8284.5	37.4	10.4	47.8	74.0	-26.2	Peak	Vertical
*	8616.0	36.7	11.8	48.5	68.2	-19.7	Peak	Vertical
*	9729.5	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE80 - Ant 0 + 1 (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
	7655.5	35.8	11.4	47.2	74.0	-26.8	Peak	Horizontal
	8310.0	35.9	12.2	48.1	74.0	-25.9	Peak	Horizontal
*	9772.0	35.7	16.7	52.4	68.2	-15.8	Peak	Horizontal
*	17473.0	37.4	22.1	59.5	68.2	-8.7	Peak	Horizontal
	7468.5	36.7	11.8	48.5	74.0	-25.5	Peak	Vertical
	8165.5	36.0	12.4	48.4	74.0	-25.6	Peak	Vertical
*	9916.5	36.2	16.9	53.1	68.2	-15.1	Peak	Vertical
*	17269.0	37.3	20.5	57.8	68.2	-10.4	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/07/08 ~ 2020/07/14	Test Site	AC1 & AC2
Test Mode:	802.11ax-HE80 - Ant 0 + 1 (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
	7494.0	36.9	10.5	47.4	74.0	-26.6	Peak	Horizontal
	8276.0	36.5	10.4	46.9	74.0	-27.1	Peak	Horizontal
*	8692.5	35.7	12.3	48.0	68.2	-20.2	Peak	Horizontal
*	9993.0	34.5	13.5	48.0	68.2	-20.2	Peak	Horizontal
	7392.0	38.3	10.3	48.6	74.0	-25.4	Peak	Vertical
	8199.5	37.3	10.6	47.9	74.0	-26.1	Peak	Vertical
*	8735.0	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	9814.5	33.6	13.2	46.8	68.2	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	36
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
	7494.0	34.3	8.2	42.5	74.0	-31.5	Peak	Horizontal
	8131.5	34.1	8.8	42.9	74.0	-31.1	Peak	Horizontal
*	8752.0	32.9	10.1	43.0	68.2	-25.2	Peak	Horizontal
*	9857.0	34.9	10.9	45.8	68.2	-22.4	Peak	Horizontal
	7536.5	31.9	8.1	40.0	74.0	-34.0	Peak	Vertical
	8284.5	34.2	8.4	42.6	74.0	-31.4	Peak	Vertical
*	8769.0	33.4	10.1	43.5	68.2	-24.7	Peak	Vertical
*	10392.5	34.2	12.5	46.7	68.2	-21.5	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	44
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
	7315.5	34.2	8.2	42.4	74.0	-31.6	Peak	Horizontal
	8165.5	33.6	8.5	42.1	74.0	-31.9	Peak	Horizontal
*	8743.5	33.6	9.9	43.5	68.2	-24.7	Peak	Horizontal
*	9882.5	35.6	10.9	46.5	68.2	-21.7	Peak	Horizontal
	7332.5	34.4	8.1	42.5	74.0	-31.5	Peak	Vertical
	8165.5	34.8	8.5	43.3	74.0	-30.7	Peak	Vertical
*	8760.5	33.3	10.1	43.4	68.2	-24.8	Peak	Vertical
*	10299.0	33.9	12.3	46.2	68.2	-22.0	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	48
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
	7545.0	33.3	8.2	41.5	74.0	-32.5	Peak	Horizontal
	8267.5	33.7	8.3	42.0	74.0	-32.0	Peak	Horizontal
*	8896.5	33.7	10.0	43.7	68.2	-24.5	Peak	Horizontal
*	10146.0	34.1	11.1	45.2	68.2	-23.0	Peak	Horizontal
	7485.5	33.2	8.3	41.5	74.0	-32.5	Peak	Vertical
	8199.5	32.8	8.4	41.2	74.0	-32.8	Peak	Vertical
*	8760.5	33.1	10.1	43.2	68.2	-25.0	Peak	Vertical
*	9993.0	34.3	11.1	45.4	68.2	-22.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	149
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
	7553.5	33.6	8.2	41.8	74.0	-32.2	Peak	Horizontal
	8199.5	34.4	8.4	42.8	74.0	-31.2	Peak	Horizontal
*	8735.0	32.6	9.8	42.4	68.2	-25.8	Peak	Horizontal
*	9661.5	35.0	10.8	45.8	68.2	-22.4	Peak	Horizontal
	7451.5	34.2	8.3	42.5	74.0	-31.5	Peak	Vertical
	8301.5	32.4	8.4	40.8	74.0	-33.2	Peak	Vertical
*	8777.5	34.9	10.0	44.9	68.2	-23.3	Peak	Vertical
*	9857.0	33.9	10.9	44.8	68.2	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beamforming 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
	7545.0	32.9	8.2	41.1	74.0	-32.9	Peak	Horizontal
	8276.0	32.8	8.3	41.1	74.0	-32.9	Peak	Horizontal
*	8735.0	33.0	9.8	42.8	68.2	-25.4	Peak	Horizontal
*	10010.0	35.0	11.2	46.2	68.2	-22.0	Peak	Horizontal
	7443.0	33.2	8.3	41.5	74.0	-32.5	Peak	Vertical
	8250.5	34.6	8.4	43.0	74.0	-31.0	Peak	Vertical
*	8811.5	33.8	9.9	43.7	68.2	-24.5	Peak	Vertical
*	9848.5	34.2	10.9	45.1	68.2	-23.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beamforming 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
	7468.5	32.5	8.2	40.7	74.0	-33.3	Peak	Horizontal
	8276.0	35.2	8.3	43.5	74.0	-30.5	Peak	Horizontal
*	8743.5	33.2	9.9	43.1	68.2	-25.1	Peak	Horizontal
*	10384.0	34.6	12.5	47.1	68.2	-21.1	Peak	Horizontal
	7502.5	32.1	8.0	40.1	74.0	-33.9	Peak	Vertical
	8284.5	34.0	8.4	42.4	74.0	-31.6	Peak	Vertical
*	8769.0	33.3	10.1	43.4	68.2	-24.8	Peak	Vertical
*	9882.5	34.0	10.9	44.9	68.2	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beamforming 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
	7468.5	32.8	8.2	41.0	74.0	-33.0	Peak	Horizontal
	8267.5	34.2	8.3	42.5	74.0	-31.5	Peak	Horizontal
*	8794.5	33.3	10.0	43.3	68.2	-24.9	Peak	Horizontal
*	9814.5	35.1	10.7	45.8	68.2	-22.4	Peak	Horizontal
	7400.5	33.7	8.2	41.9	74.0	-32.1	Peak	Vertical
	8208.0	34.5	8.3	42.8	74.0	-31.2	Peak	Vertical
*	8743.5	33.7	9.9	43.6	68.2	-24.6	Peak	Vertical
*	9789.0	34.9	10.7	45.6	68.2	-22.6	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beamforming 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
	7519.5	33.1	7.9	41.0	74.0	-33.0	Peak	Horizontal
	8216.5	35.9	8.2	44.1	74.0	-29.9	Peak	Horizontal
*	8837.0	34.5	9.8	44.3	68.2	-23.9	Peak	Horizontal
*	9857.0	34.3	10.9	45.2	68.2	-23.0	Peak	Horizontal
	7511.0	32.2	7.9	40.1	74.0	-33.9	Peak	Vertical
	8276.0	33.6	8.3	41.9	74.0	-32.1	Peak	Vertical
*	8735.0	33.5	9.8	43.3	68.2	-24.9	Peak	Vertical
*	9848.5	34.8	10.9	45.7	68.2	-22.5	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beamforming 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
	7417.5	31.9	8.1	40.0	74.0	-34.0	Peak	Horizontal
	8276.0	33.0	8.3	41.3	74.0	-32.7	Peak	Horizontal
*	8735.0	32.5	9.8	42.3	68.2	-25.9	Peak	Horizontal
*	9865.5	35.0	10.9	45.9	68.2	-22.3	Peak	Horizontal
	7417.5	34.0	8.1	42.1	74.0	-31.9	Peak	Vertical
	8259.0	34.7	8.2	42.9	74.0	-31.1	Peak	Vertical
*	8803.0	33.5	10.0	43.5	68.2	-24.7	Peak	Vertical
*	9695.5	33.8	10.8	44.6	68.2	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beamforming 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
	7502.5	32.9	8.0	40.9	74.0	-33.1	Peak	Horizontal
	8174.0	33.6	8.6	42.2	74.0	-31.8	Peak	Horizontal
*	8735.0	33.6	9.8	43.4	68.2	-24.8	Peak	Horizontal
*	9882.5	34.5	10.9	45.4	68.2	-22.8	Peak	Horizontal
	7485.5	34.4	8.3	42.7	74.0	-31.3	Peak	Vertical
	8199.5	33.8	8.4	42.2	74.0	-31.8	Peak	Vertical
*	8624.5	34.9	9.3	44.2	68.2	-24.0	Peak	Vertical
*	10239.5	33.8	11.8	45.6	68.2	-22.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beamforming 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
	7417.5	33.4	8.1	41.5	74.0	-32.5	Peak	Horizontal
	8106.0	34.3	9.1	43.4	74.0	-30.6	Peak	Horizontal
*	8769.0	33.6	10.1	43.7	68.2	-24.5	Peak	Horizontal
*	10350.0	33.6	12.6	46.2	68.2	-22.0	Peak	Horizontal
	7477.0	32.7	8.2	40.9	74.0	-33.1	Peak	Vertical
	8250.5	34.6	8.4	43.0	74.0	-31.0	Peak	Vertical
*	8760.5	33.8	10.1	43.9	68.2	-24.3	Peak	Vertical
*	9763.5	35.3	10.7	46.0	68.2	-22.2	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beamforming 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
	7545.0	34.3	8.2	42.5	74.0	-31.5	Peak	Horizontal
	8250.5	34.0	8.4	42.4	74.0	-31.6	Peak	Horizontal
*	8709.5	34.3	9.5	43.8	68.2	-24.4	Peak	Horizontal
*	9882.5	34.2	10.9	45.1	68.2	-23.1	Peak	Horizontal
	7494.0	33.0	8.2	41.2	74.0	-32.8	Peak	Vertical
	8301.5	34.9	8.4	43.3	74.0	-30.7	Peak	Vertical
*	8752.0	33.5	10.1	43.6	68.2	-24.6	Peak	Vertical
*	9967.5	34.3	11.4	45.7	68.2	-22.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	36
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
	7545.0	33.2	8.2	41.4	74.0	-32.6	Peak	Horizontal
	8208.0	33.8	8.3	42.1	74.0	-31.9	Peak	Horizontal
*	8735.0	33.1	9.8	42.9	68.2	-25.3	Peak	Horizontal
*	10460.5	34.4	12.6	47.0	68.2	-21.2	Peak	Horizontal
	7477.0	32.9	8.2	41.1	74.0	-32.9	Peak	Vertical
	8276.0	32.8	8.3	41.1	74.0	-32.9	Peak	Vertical
*	8862.5	32.3	9.9	42.2	68.2	-26.0	Peak	Vertical
*	9814.5	35.4	10.7	46.1	68.2	-22.1	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	44
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
	7477.0	33.6	8.2	41.8	74.0	-32.2	Peak	Horizontal
	8199.5	32.7	8.4	41.1	74.0	-32.9	Peak	Horizontal
*	8777.5	33.4	10.0	43.4	68.2	-24.8	Peak	Horizontal
*	9814.5	33.9	10.7	44.6	68.2	-23.6	Peak	Horizontal
	7519.5	32.4	7.9	40.3	74.0	-33.7	Peak	Vertical
	8199.5	33.4	8.4	41.8	74.0	-32.2	Peak	Vertical
*	8633.0	34.9	9.4	44.3	68.2	-23.9	Peak	Vertical
*	9942.0	33.5	10.9	44.4	68.2	-23.8	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	48
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
	7502.5	32.4	8.0	40.4	74.0	-33.6	Peak	Horizontal
	8284.5	33.4	8.4	41.8	74.0	-32.2	Peak	Horizontal
*	8735.0	33.8	9.8	43.6	68.2	-24.6	Peak	Horizontal
*	10001.5	33.8	11.2	45.0	68.2	-23.2	Peak	Horizontal
	7502.5	33.7	8.0	41.7	74.0	-32.3	Peak	Vertical
	8216.5	33.2	8.2	41.4	74.0	-32.6	Peak	Vertical
*	8701.0	31.8	9.6	41.4	68.2	-26.8	Peak	Vertical
*	9806.0	34.9	10.7	45.6	68.2	-22.6	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (Beamforming Mode)	Test Channel:	149
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
	7502.5	32.8	8.0	40.8	74.0	-33.2	Peak	Horizontal
	8242.0	33.6	8.5	42.1	74.0	-31.9	Peak	Horizontal
*	8777.5	32.9	10.0	42.9	68.2	-25.3	Peak	Horizontal
*	9823.0	34.1	10.7	44.8	68.2	-23.4	Peak	Horizontal
	7468.5	33.0	8.2	41.2	74.0	-32.8	Peak	Vertical
	8242.0	34.4	8.5	42.9	74.0	-31.1	Peak	Vertical
*	8752.0	33.6	10.1	43.7	68.2	-24.5	Peak	Vertical
*	9831.5	33.7	10.8	44.5	68.2	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (Beamforming 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
	7468.5	33.1	8.2	41.3	74.0	-32.7	Peak	Horizontal
	8199.5	34.3	8.4	42.7	74.0	-31.3	Peak	Horizontal
*	8769.0	34.1	10.1	44.2	68.2	-24.0	Peak	Horizontal
*	9848.5	33.9	10.9	44.8	68.2	-23.4	Peak	Horizontal
	7443.0	34.0	8.3	42.3	74.0	-31.7	Peak	Vertical
	8208.0	34.2	8.3	42.5	74.0	-31.5	Peak	Vertical
*	8794.5	33.8	10.0	43.8	68.2	-24.4	Peak	Vertical
*	9891.0	34.5	11.0	45.5	68.2	-22.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE20 - Ant 0 + 1 (Beamforming 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
	7460.0	33.2	8.3	41.5	74.0	-32.5	Peak	Horizontal
	8276.0	33.2	8.3	41.5	74.0	-32.5	Peak	Horizontal
*	8888.0	34.5	10.0	44.5	68.2	-23.7	Peak	Horizontal
*	9857.0	34.7	10.9	45.6	68.2	-22.6	Peak	Horizontal
	7545.0	32.4	8.2	40.6	74.0	-33.4	Peak	Vertical
	8182.5	34.6	8.6	43.2	74.0	-30.8	Peak	Vertical
*	8692.5	32.5	9.6	42.1	68.2	-26.1	Peak	Vertical
*	9823.0	34.8	10.7	45.5	68.2	-22.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (Beamforming 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
	7511.0	31.9	7.9	39.8	74.0	-34.2	Peak	Horizontal
	8310.0	32.0	8.4	40.4	74.0	-33.6	Peak	Horizontal
*	8769.0	32.6	10.1	42.7	68.2	-25.5	Peak	Horizontal
*	10010.0	35.0	11.2	46.2	68.2	-22.0	Peak	Horizontal
	7460.0	32.8	8.3	41.1	74.0	-32.9	Peak	Vertical
	8242.0	33.8	8.5	42.3	74.0	-31.7	Peak	Vertical
*	8803.0	33.7	10.0	43.7	68.2	-24.5	Peak	Vertical
*	9857.0	33.3	10.9	44.2	68.2	-24.0	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (Beamforming 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
	7477.0	32.6	8.2	40.8	74.0	-33.2	Peak	Horizontal
	8242.0	32.9	8.5	41.4	74.0	-32.6	Peak	Horizontal
*	8777.5	34.5	10.0	44.5	68.2	-23.7	Peak	Horizontal
*	9891.0	35.5	11.0	46.5	68.2	-21.7	Peak	Horizontal
	7485.5	32.8	8.3	41.1	74.0	-32.9	Peak	Vertical
	8259.0	33.8	8.2	42.0	74.0	-32.0	Peak	Vertical
*	8786.0	33.0	10.0	43.0	68.2	-25.2	Peak	Vertical
*	9823.0	34.4	10.7	45.1	68.2	-23.1	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (Beamforming 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
	7434.5	31.8	8.2	40.0	74.0	-34.0	Peak	Horizontal
	8276.0	33.6	8.3	41.9	74.0	-32.1	Peak	Horizontal
*	8811.5	31.8	9.9	41.7	68.2	-26.5	Peak	Horizontal
*	9789.0	34.4	10.7	45.1	68.2	-23.1	Peak	Horizontal
	7434.5	34.6	8.2	42.8	74.0	-31.2	Peak	Vertical
	8259.0	32.8	8.2	41.0	74.0	-33.0	Peak	Vertical
*	8718.0	32.5	9.4	41.9	68.2	-26.3	Peak	Vertical
*	9840.0	33.6	10.9	44.5	68.2	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE40 - Ant 0 + 1 (Beamforming 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
	7417.5	32.8	8.1	40.9	74.0	-33.1	Peak	Horizontal
	8191.0	34.6	8.5	43.1	74.0	-30.9	Peak	Horizontal
*	8845.5	33.7	9.9	43.6	68.2	-24.6	Peak	Horizontal
*	9916.5	34.2	11.0	45.2	68.2	-23.0	Peak	Horizontal
	7443.0	33.5	8.3	41.8	74.0	-32.2	Peak	Vertical
	8276.0	33.7	8.3	42.0	74.0	-32.0	Peak	Vertical
*	8760.5	33.0	10.1	43.1	68.2	-25.1	Peak	Vertical
*	10069.5	34.6	11.3	45.9	68.2	-22.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE80 - Ant 0 + 1 (Beamforming 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
	7502.5	32.8	8.0	40.8	74.0	-33.2	Peak	Horizontal
	8242.0	32.9	8.5	41.4	74.0	-32.6	Peak	Horizontal
*	8820.0	34.1	9.8	43.9	68.2	-24.3	Peak	Horizontal
*	9967.5	34.3	11.4	45.7	68.2	-22.5	Peak	Horizontal
	7468.5	33.2	8.2	41.4	74.0	-32.6	Peak	Vertical
	8242.0	33.9	8.5	42.4	74.0	-31.6	Peak	Vertical
*	8743.5	32.3	9.9	42.2	68.2	-26.0	Peak	Vertical
*	9789.0	34.3	10.7	45.0	68.2	-23.2	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	GigaSpire BLAST u4	Test Engineer	Buter Shi
Test Date	2020/08/14	Test Site	AC2
Test Mode:	802.11ax-HE80 - Ant 0 + 1 (Beamforming 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
	7468.5	33.6	8.2	41.8	74.0	-32.2	Peak	Horizontal
	8208.0	34.8	8.3	43.1	74.0	-30.9	Peak	Horizontal
*	8786.0	33.8	10.0	43.8	68.2	-24.4	Peak	Horizontal
*	9976.0	34.9	11.4	46.3	68.2	-21.9	Peak	Horizontal
	7477.0	33.6	8.2	41.8	74.0	-32.2	Peak	Vertical
	8182.5	34.5	8.6	43.1	74.0	-30.9	Peak	Vertical
*	8752.0	33.3	10.1	43.4	68.2	-24.8	Peak	Vertical
*	9797.5	34.8	10.7	45.5	68.2	-22.7	Peak	Vertical

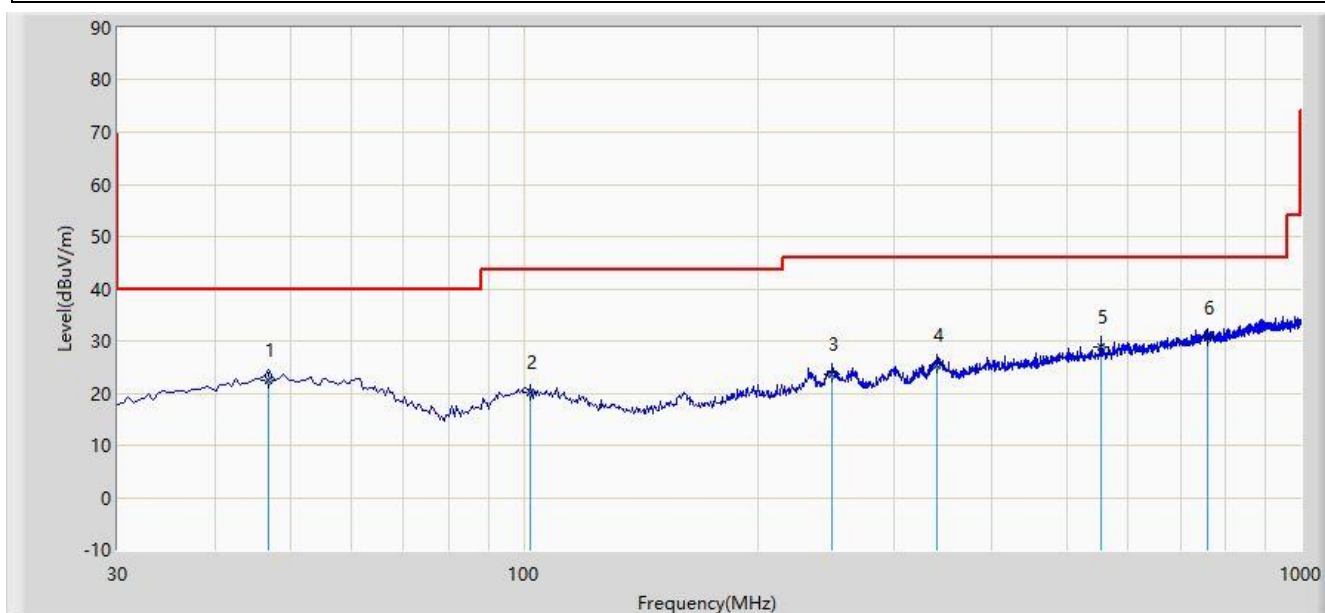
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: AC2	Time: 2020/08/12 - 21:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Hyde Yu
Probe: AC2_VULB9162_0.03-7GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test mode 1	



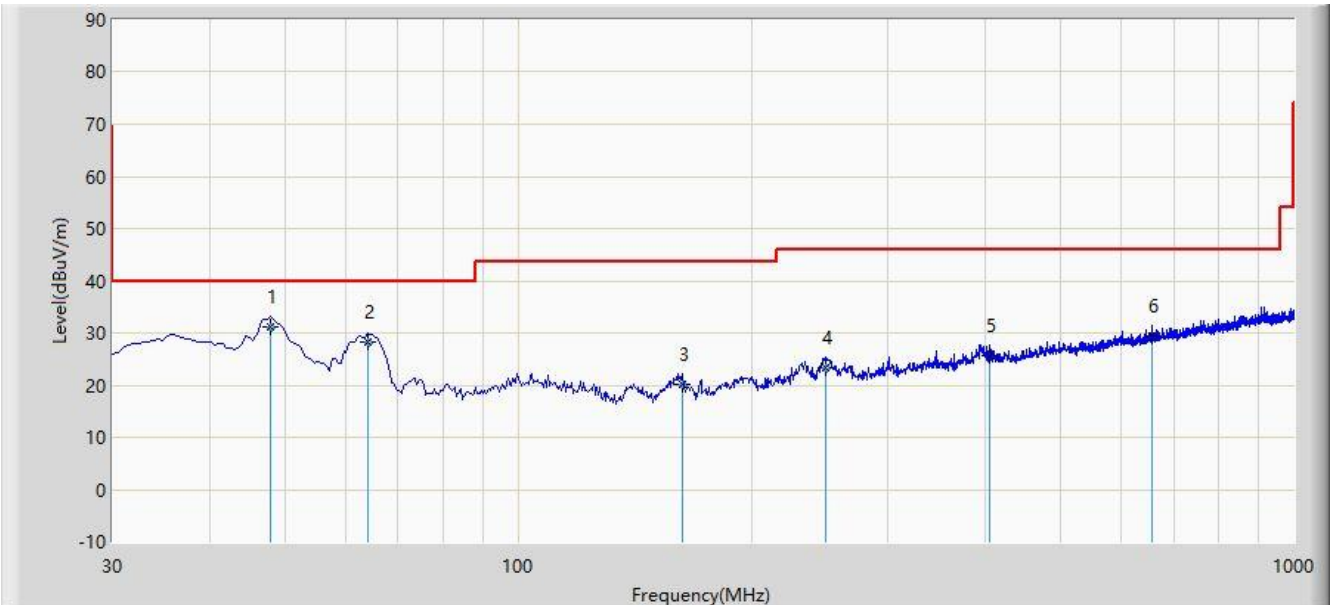
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			46.975	22.511	2.194	-17.489	40.000	20.316	QP
2			101.780	20.208	1.955	-23.292	43.500	18.253	QP
3			249.220	23.522	4.223	-22.478	46.000	19.299	QP
4			340.400	25.321	3.670	-20.679	46.000	21.652	QP
5			553.315	28.795	3.746	-17.205	46.000	25.049	QP
6		*	759.925	30.455	2.177	-15.545	46.000	28.278	QP

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: AC2	Time: 2020/08/12 - 21:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Hyde Yu
Probe: AC2_VULB9162_0.03-7GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	47.945	31.185	10.830	-8.815	40.000	20.355	QP
2			63.950	28.126	10.009	-11.874	40.000	18.117	QP
3			162.890	20.151	4.648	-23.349	43.500	15.503	QP
4			249.705	23.347	4.037	-22.653	46.000	19.310	QP
5			405.875	25.598	2.865	-20.402	46.000	22.733	QP
6			655.650	29.563	3.030	-16.437	46.000	26.533	QP

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.

6.8. Radiated Restricted Band Edge Measurement

6.8.1. Test Limit

For 15.205 requirement:

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

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

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 [uV/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

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 shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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 [uV/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

6.8.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

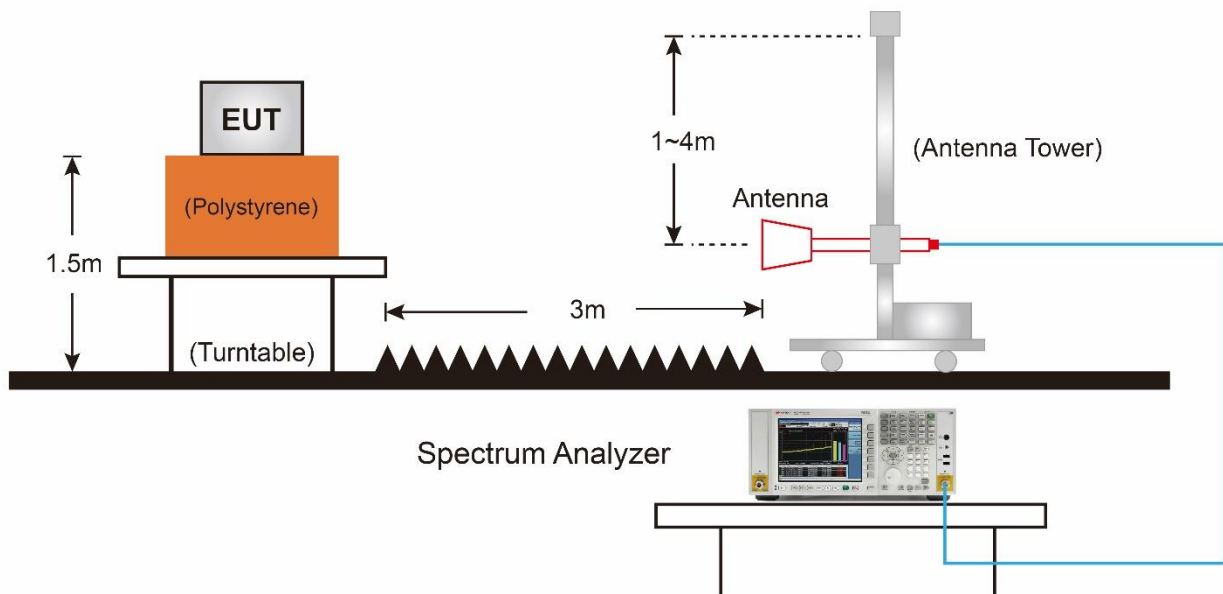
6.8.3.Test Setting

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

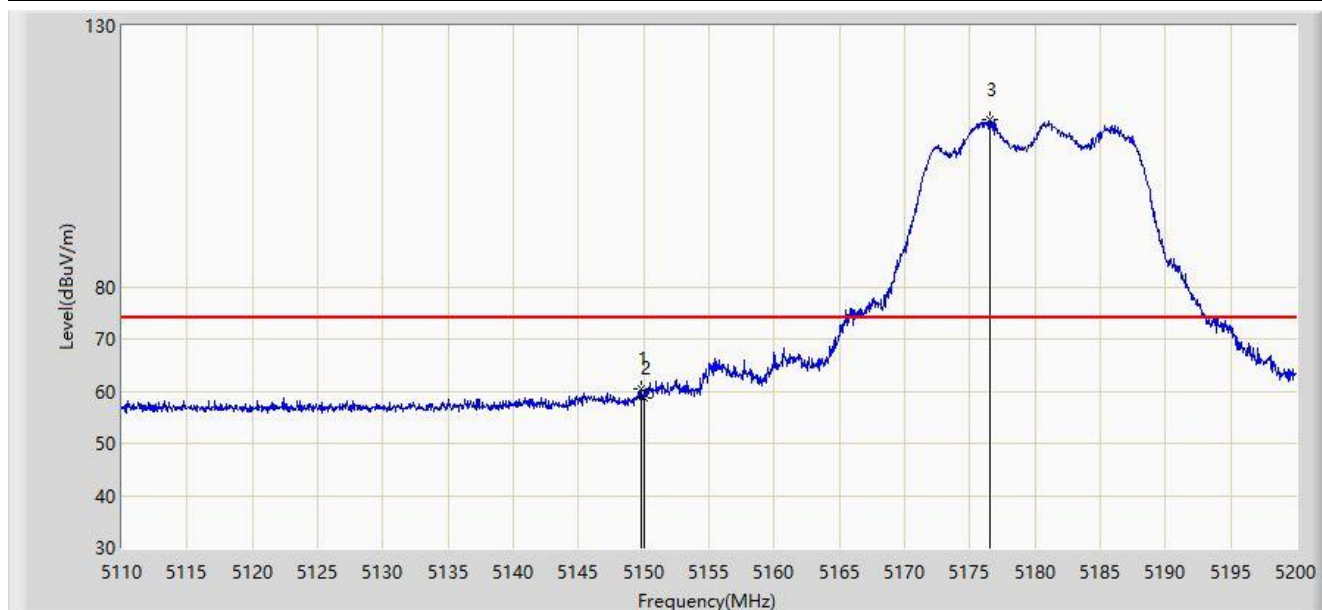
Average Measurements above 1GHz (Method VB)

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 $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$.
4. Detector = Peak
5. Sweep time = auto
6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

6.8.4. Test Setup

6.8.5.Test Result

Site: AC2	Time: 2020/06/26 - 12:49
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz - CDD Mode	

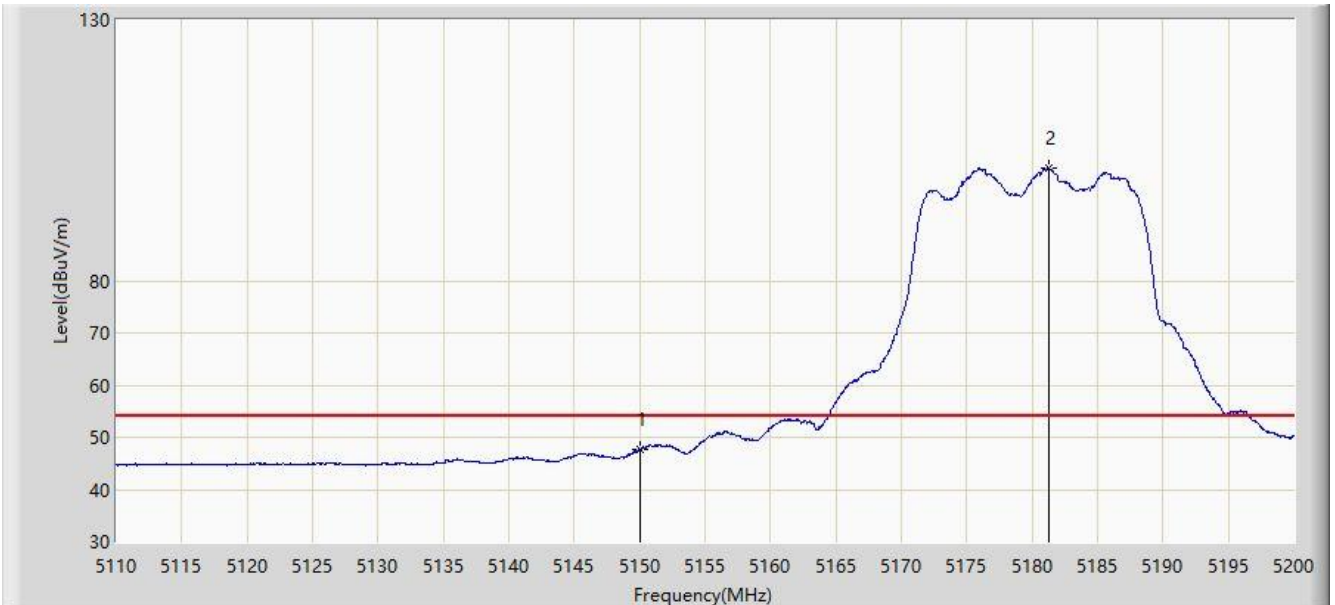


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.780	60.298	59.898	-13.702	74.000	0.400	PK
2			5150.000	58.790	58.388	-15.210	74.000	0.402	PK
3		*	5176.510	112.092	111.700	N/A	N/A	0.392	PK

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

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

Site: AC2	Time: 2020/06/26 - 12:50
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz - CDD Mode	

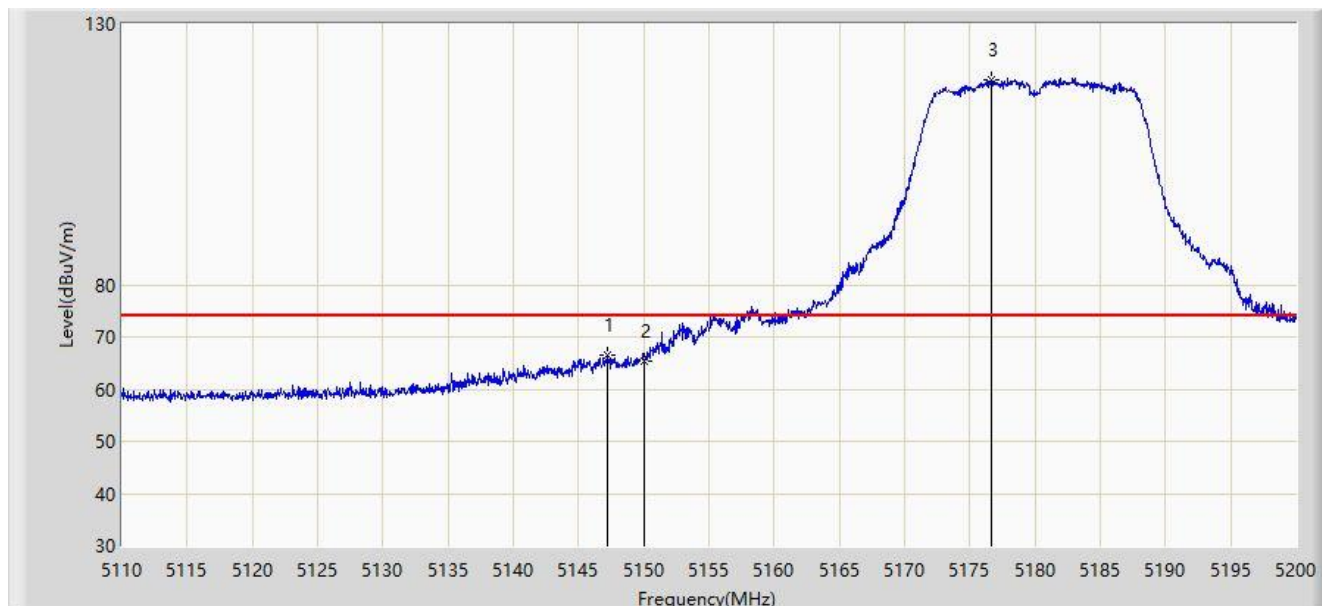


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.673	47.271	-6.327	54.000	0.402	AV
2		*	5181.235	101.605	101.267	N/A	N/A	0.338	AV

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

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

Site: AC2	Time: 2020/06/26 - 12:46
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz - CDD Mode	

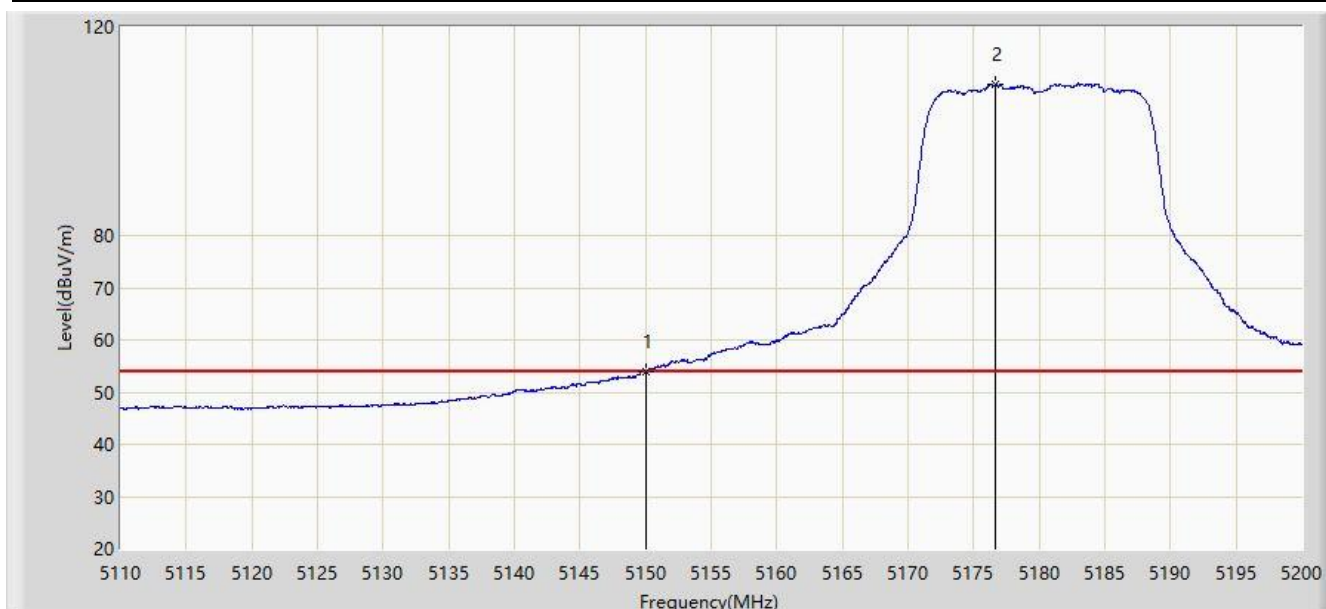


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.170	66.523	66.144	-7.477	74.000	0.379	PK
2			5150.000	65.351	64.949	-8.649	74.000	0.402	PK
3		*	5176.600	119.334	118.943	N/A	N/A	0.391	PK

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

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

Site: AC2	Time: 2020/06/26 - 12:44
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz - CDD Mode	

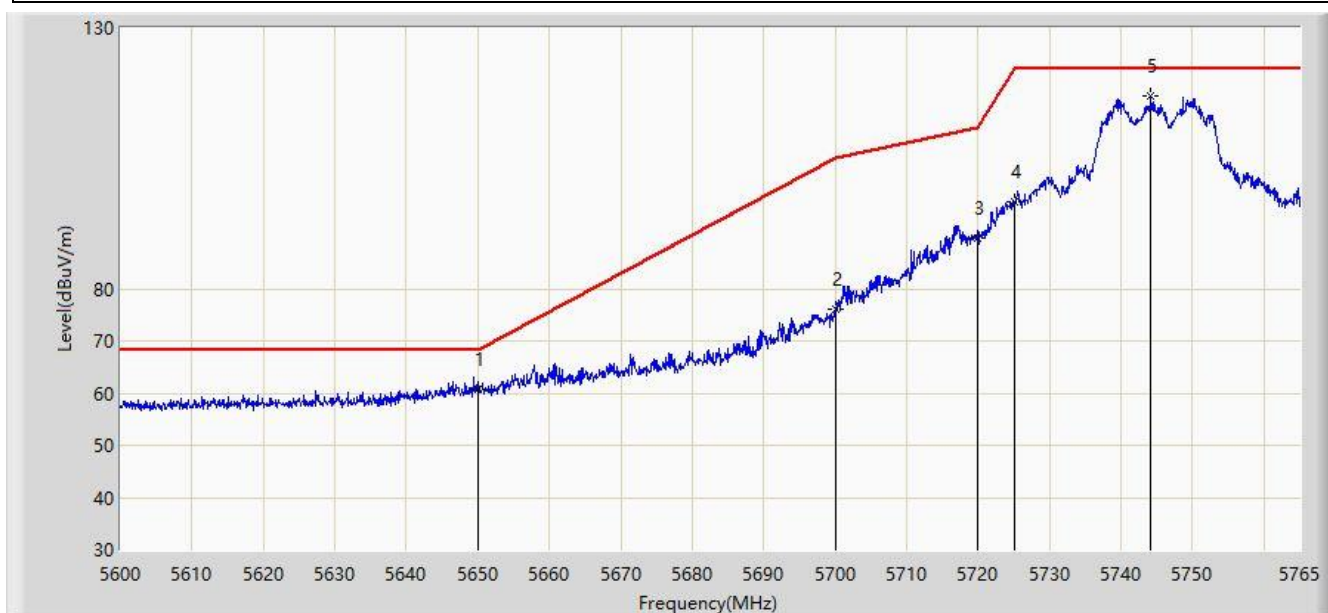


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.843	53.441	-0.157	54.000	0.402	AV
2		*	5176.645	109.006	108.616	N/A	N/A	0.390	AV

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

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

Site: AC2	Time: 2020/06/26 - 13:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz - CDD Mode	

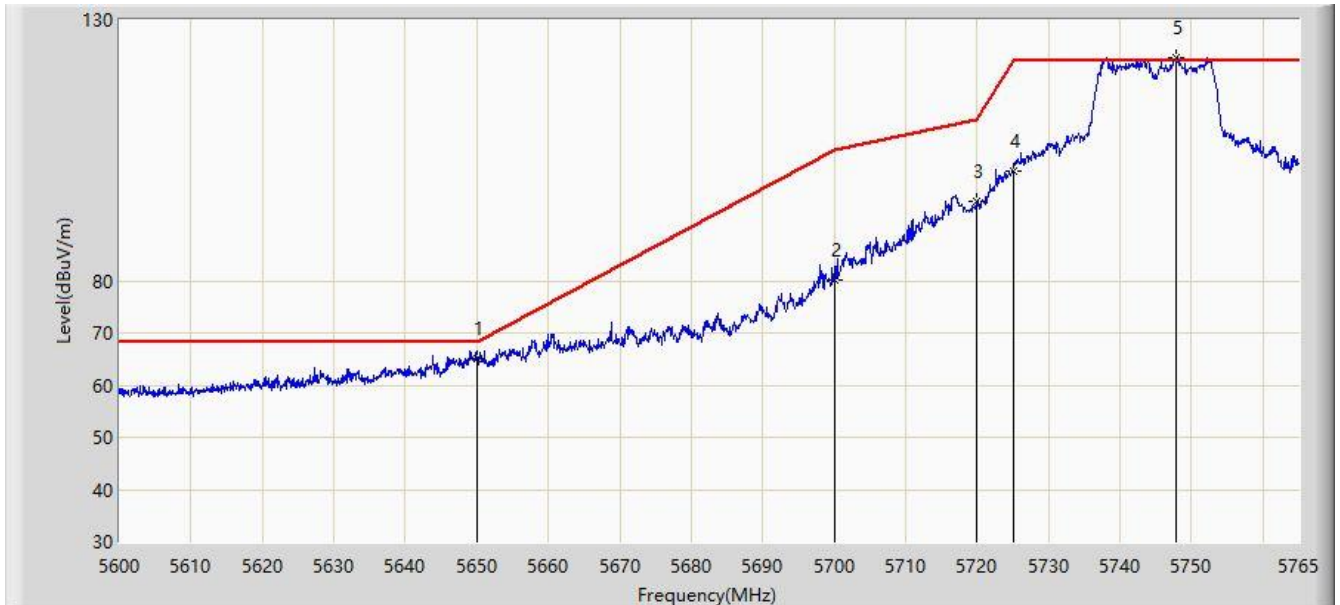


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	60.736	59.363	-7.464	68.200	1.373	PK
2			5700.000	76.166	74.902	-29.034	105.200	1.264	PK
3			5720.000	89.766	88.304	-21.034	110.800	1.462	PK
4			5725.000	96.582	95.149	-25.618	122.200	1.433	PK
5		*	5744.210	116.905	115.499	N/A	N/A	1.406	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: AC2	Time: 2020/06/26 - 13:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz - CDD Mode	

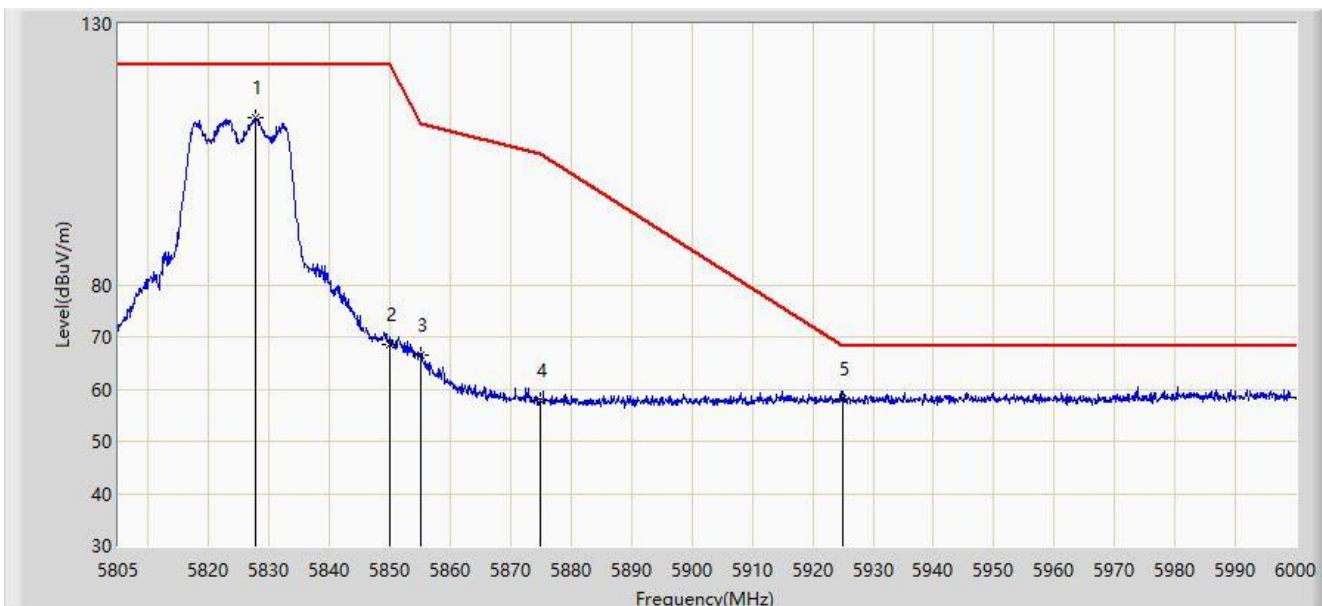


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	65.042	63.669	-3.158	68.200	1.373	PK
2			5700.000	80.083	78.819	-25.117	105.200	1.264	PK
3			5720.000	95.309	93.847	-15.491	110.800	1.462	PK
4			5725.000	101.052	99.619	-21.148	122.200	1.433	PK
5		*	5747.757	122.721	121.231	N/A	N/A	1.490	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: AC2	Time: 2020/06/26 - 14:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz - CDD Mode	

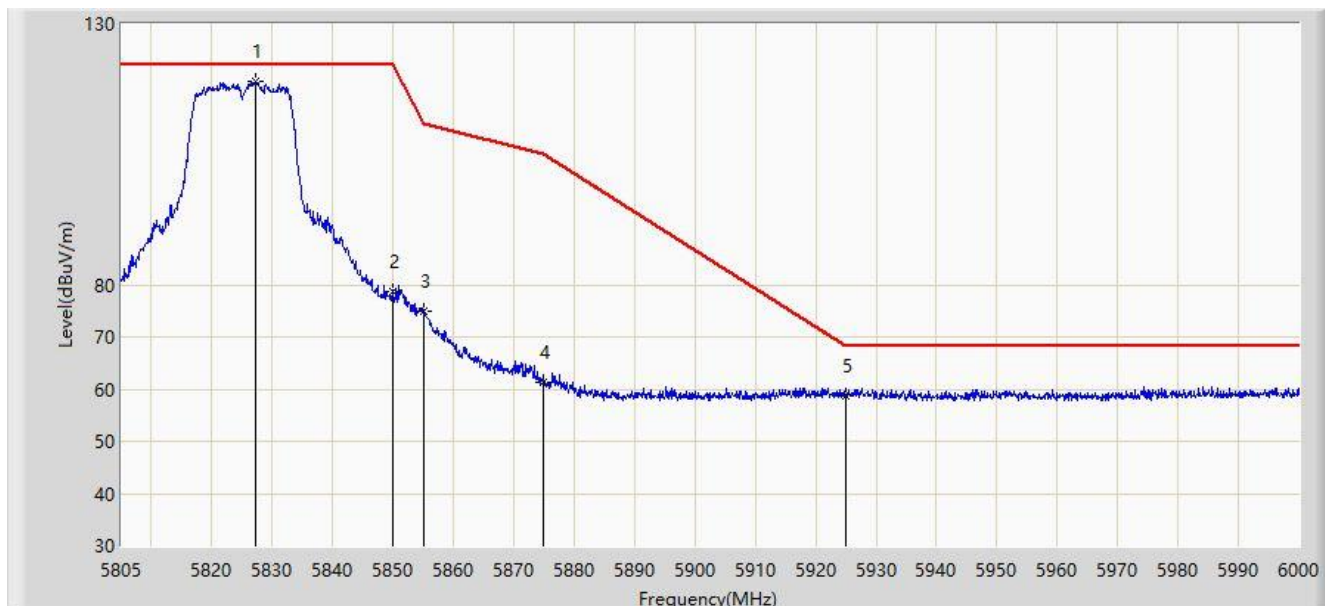


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.717	112.100	110.545	N/A	N/A	1.555	PK
2			5850.000	68.567	66.774	-53.633	122.200	1.792	PK
3			5855.000	66.628	64.826	-44.172	110.800	1.802	PK
4			5875.000	57.814	55.943	-47.386	105.200	1.872	PK
5		*	5925.000	58.224	56.155	-9.976	68.200	2.069	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: AC2	Time: 2020/06/26 - 14:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz - CDD Mode	

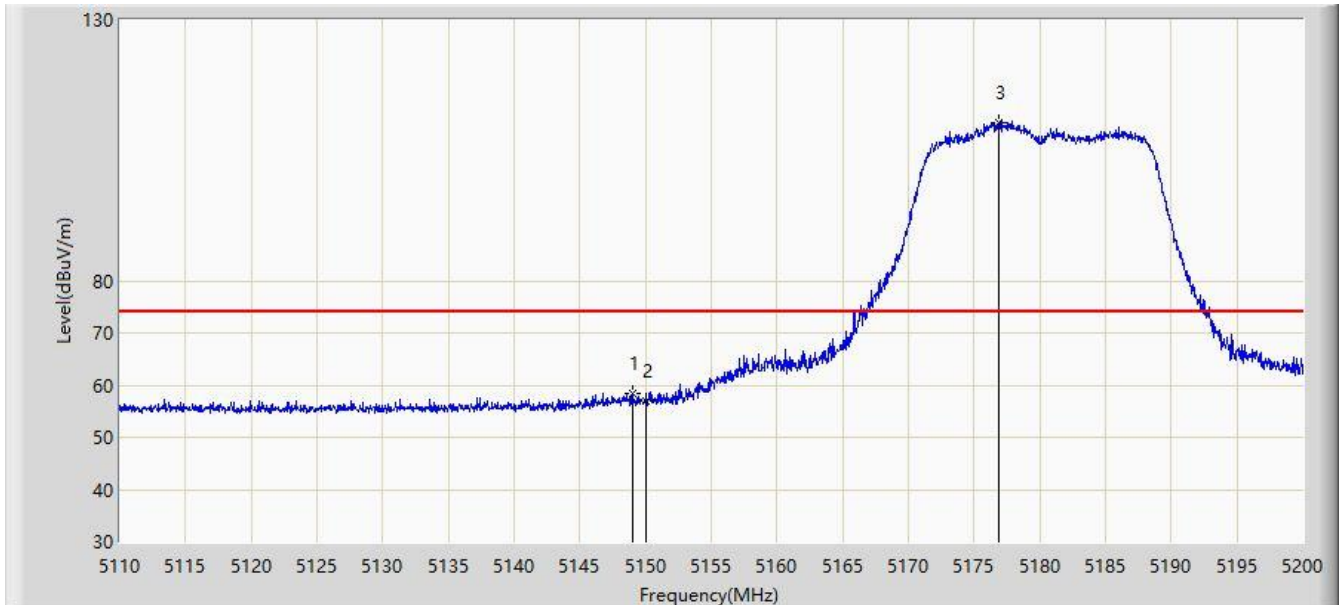


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.230	118.981	117.422	N/A	N/A	1.559	PK
2			5850.000	78.752	76.959	-43.448	122.200	1.792	PK
3			5855.000	75.061	73.259	-35.739	110.800	1.802	PK
4			5875.000	61.176	59.305	-44.024	105.200	1.872	PK
5			5925.000	58.599	56.530	-9.601	68.200	2.069	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: AC2	Time: 2020/07/12 - 12:33
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz - CDD Mode	

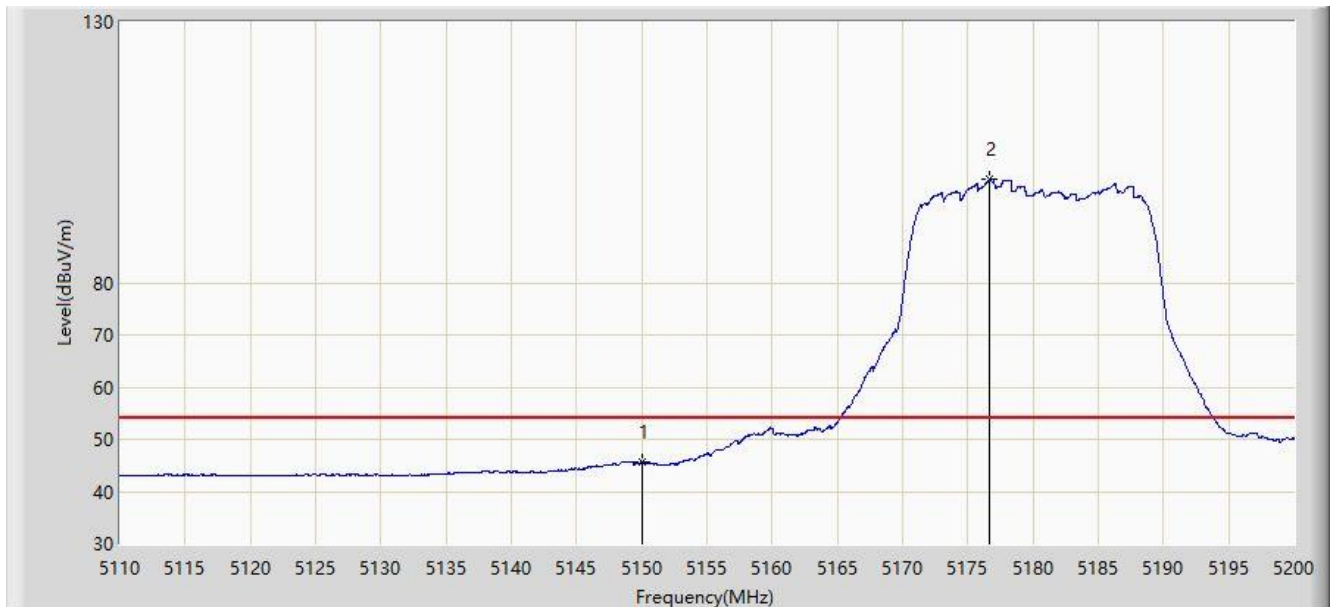


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.015	58.327	57.933	-15.673	74.000	0.394	PK
2			5150.000	56.881	56.479	-17.119	74.000	0.402	PK
3		*	5176.915	110.322	109.935	N/A	N/A	0.387	PK

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

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

Site: AC2	Time: 2020/07/12 - 12:52
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz - CDD Mode	

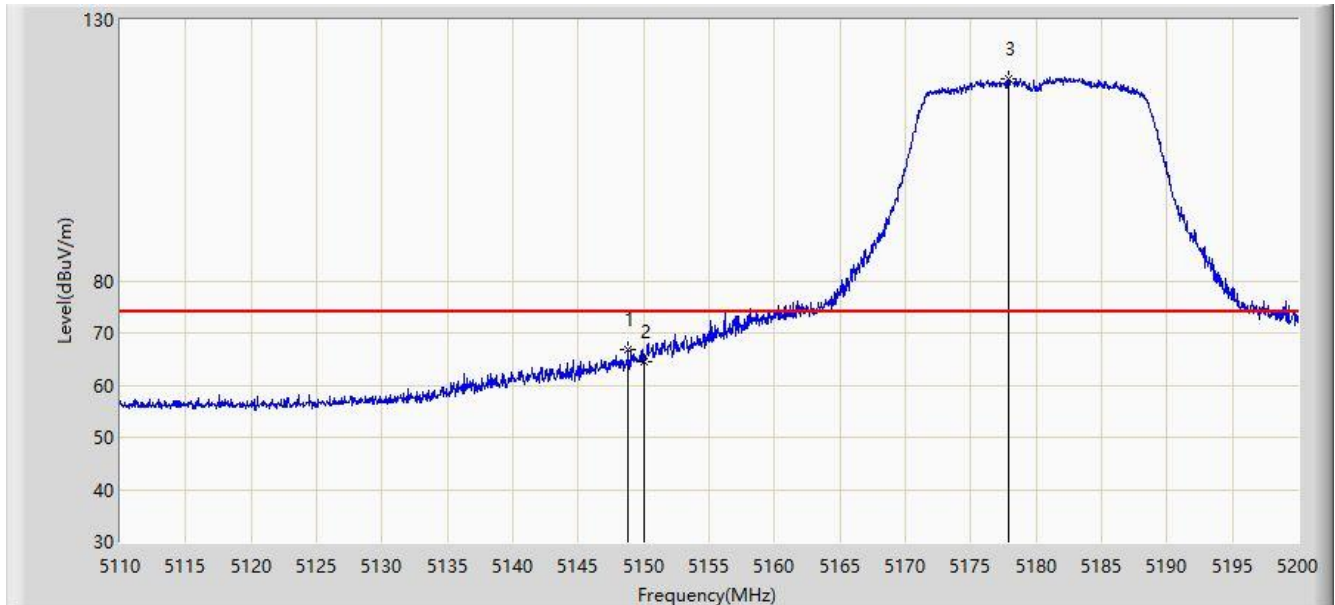


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.592	45.190	-8.408	54.000	0.402	AV
2		*	5176.690	99.774	99.384	N/A	N/A	0.389	AV

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

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

Site: AC2	Time: 2020/07/12 - 12:54
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz - CDD Mode	

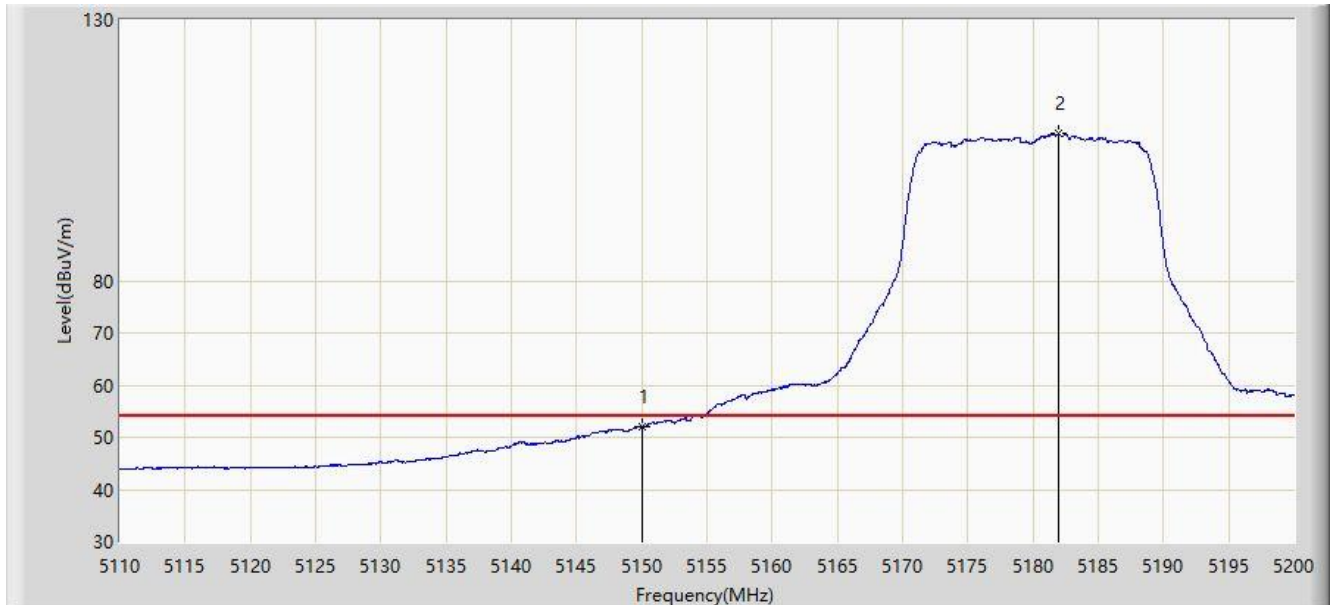


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.835	66.868	66.476	-7.132	74.000	0.392	PK
2			5150.000	64.603	64.201	-9.397	74.000	0.402	PK
3		*	5177.860	118.779	118.402	N/A	N/A	0.376	PK

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

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

Site: AC2	Time: 2020/07/12 - 12:53
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz - CDD Mode	

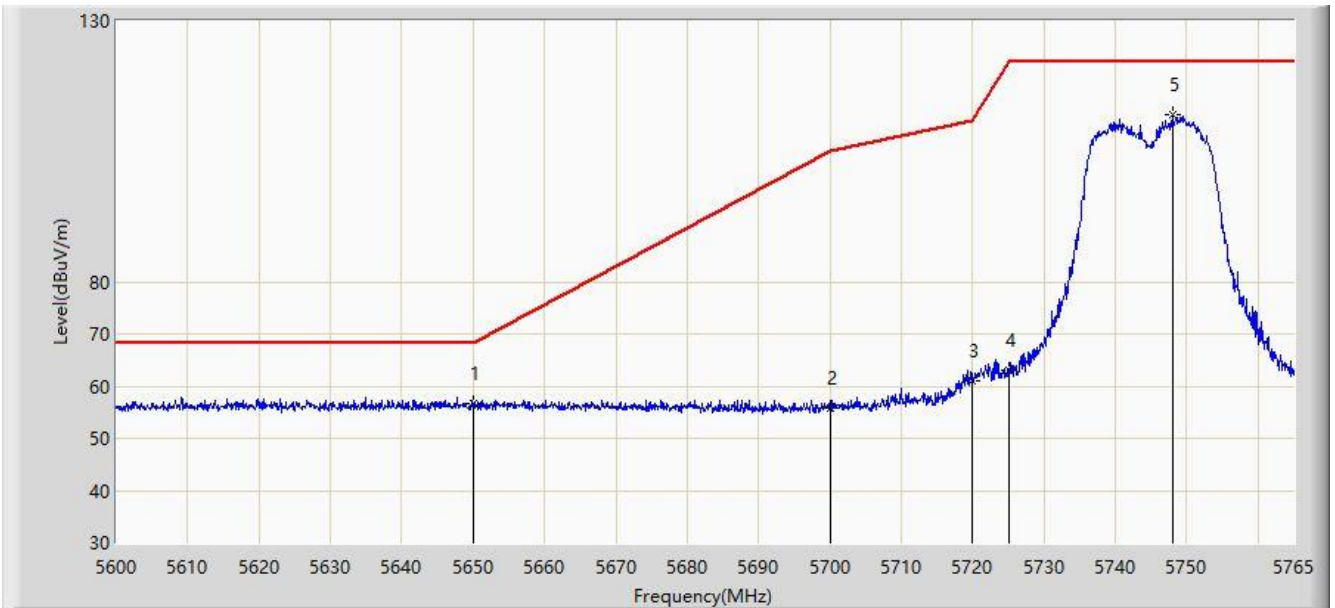


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.072	51.670	-1.928	54.000	0.402	AV
2		*	5181.955	108.123	107.793	N/A	N/A	0.330	AV

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

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

Site: AC2	Time: 2020/07/12 - 13:15
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz - CDD Mode	

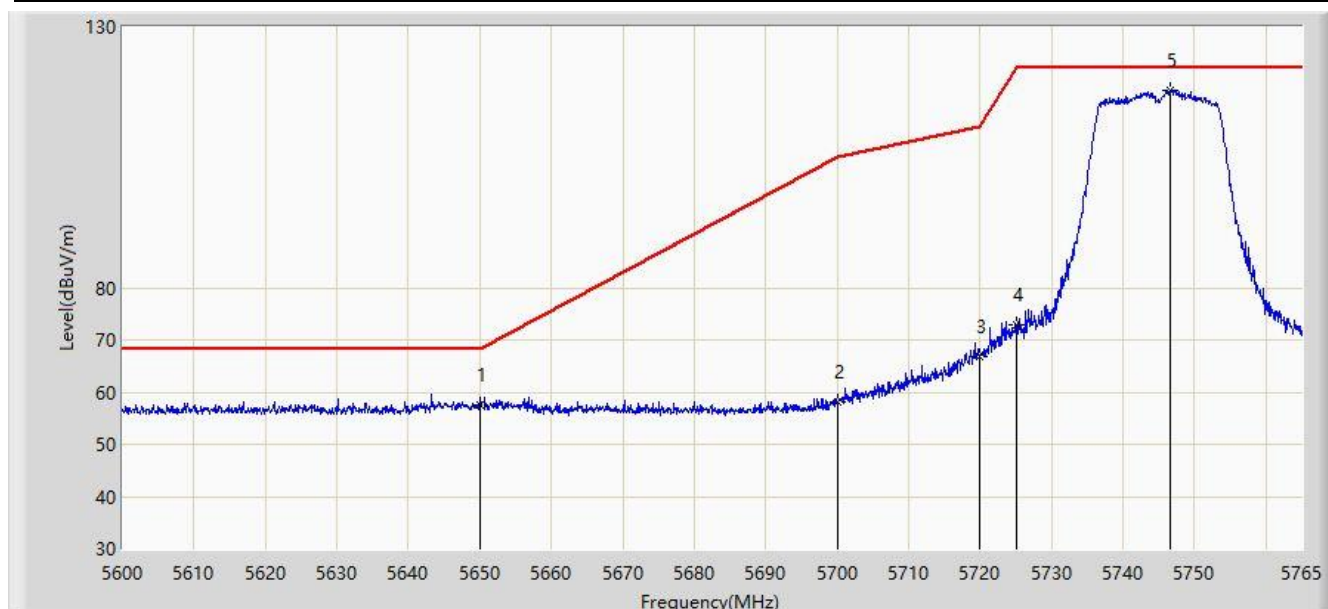


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	56.570	55.197	-11.630	68.200	1.373	PK
2			5700.000	55.864	54.600	-49.336	105.200	1.264	PK
3			5720.000	61.036	59.574	-49.764	110.800	1.462	PK
4			5725.000	63.032	61.599	-59.168	122.200	1.433	PK
5		*	5748.005	112.145	110.650	N/A	N/A	1.495	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: AC2	Time: 2020/07/12 - 13:17
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz - CDD Mode	

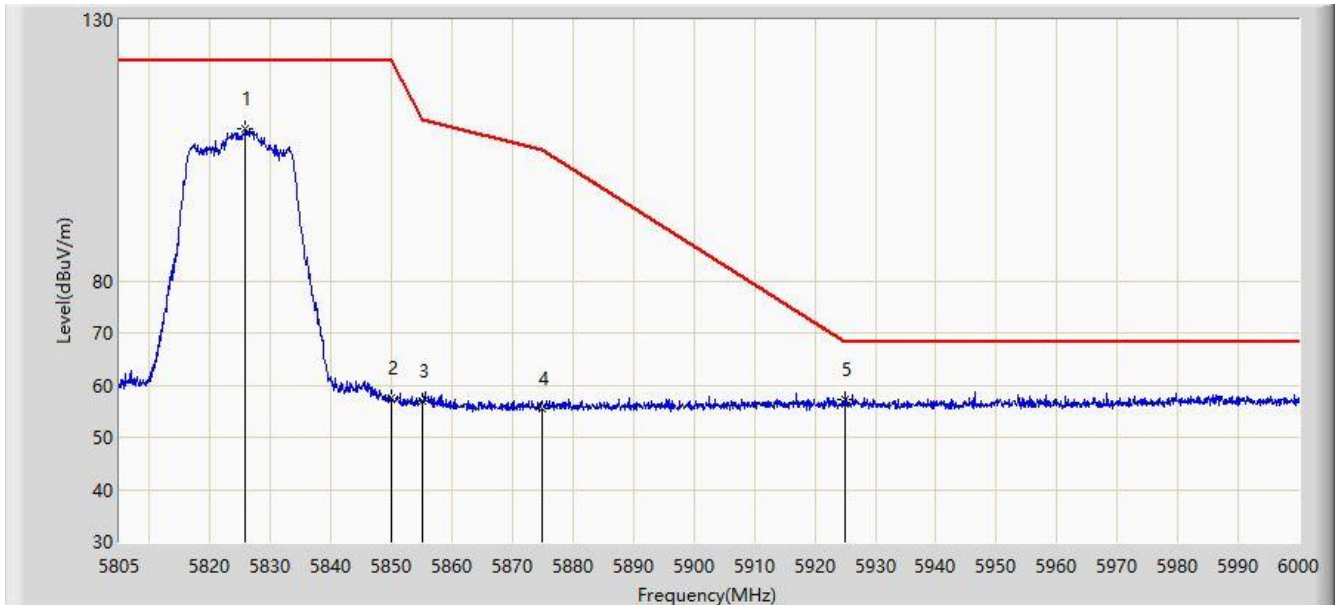


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	57.572	56.199	-10.628	68.200	1.373	PK
2			5700.000	58.087	56.823	-47.113	105.200	1.264	PK
3			5720.000	66.936	65.474	-43.864	110.800	1.462	PK
4			5725.000	72.907	71.474	-49.293	122.200	1.433	PK
5		*	5746.685	117.769	116.305	N/A	N/A	1.464	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: AC2	Time: 2020/07/12 - 13:19
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz - CDD Mode	

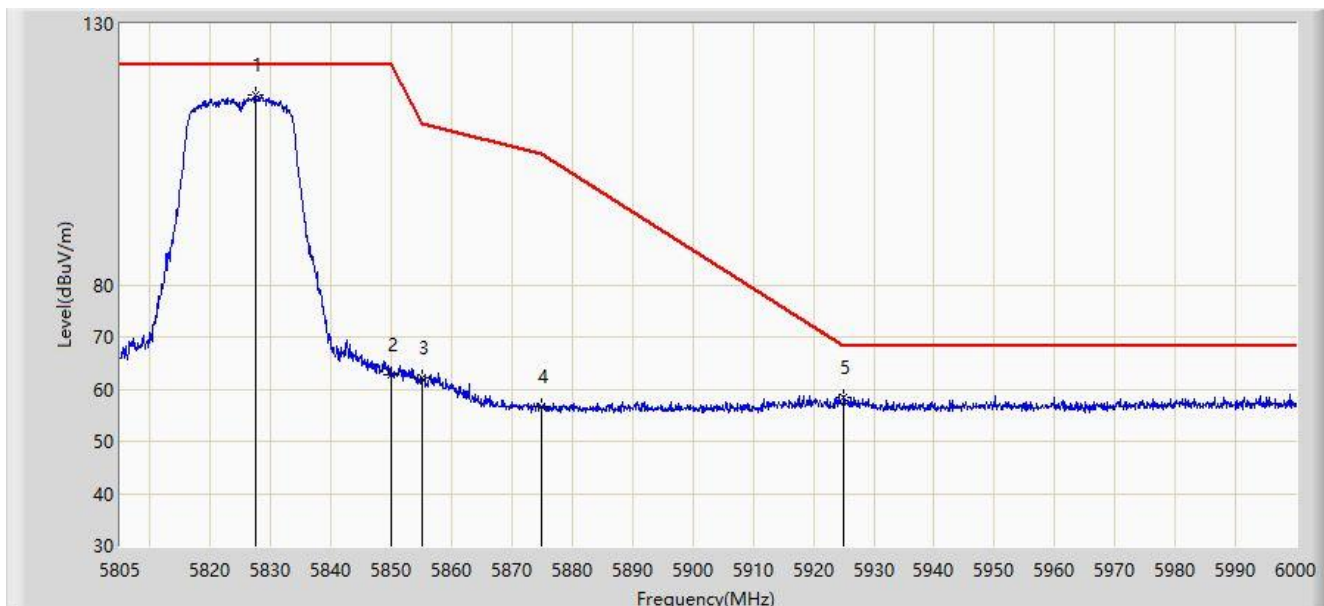


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5825.768	109.186	107.614	N/A	N/A	1.572	PK
2			5850.000	57.492	55.699	-64.708	122.200	1.792	PK
3			5855.000	57.006	55.204	-53.794	110.800	1.802	PK
4			5875.000	55.383	53.512	-49.817	105.200	1.872	PK
5		*	5925.000	57.295	55.226	-10.905	68.200	2.069	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: AC2	Time: 2020/07/12 - 13:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz - CDD Mode	

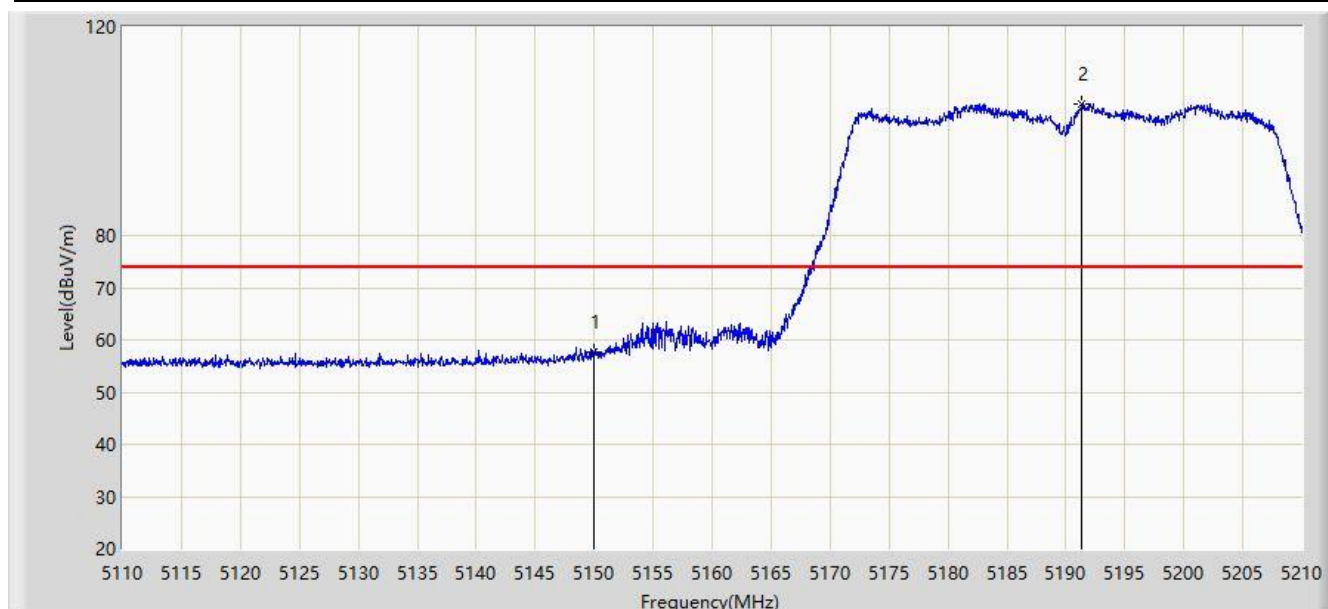


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.425	116.328	114.771	N/A	N/A	1.557	PK
2			5850.000	62.819	61.026	-59.381	122.200	1.792	PK
3			5855.000	62.101	60.299	-48.699	110.800	1.802	PK
4			5875.000	56.596	54.725	-48.604	105.200	1.872	PK
5			5925.000	58.367	56.298	-9.833	68.200	2.069	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: AC2	Time: 2020/07/12 - 13:46
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz - CDD Mode	

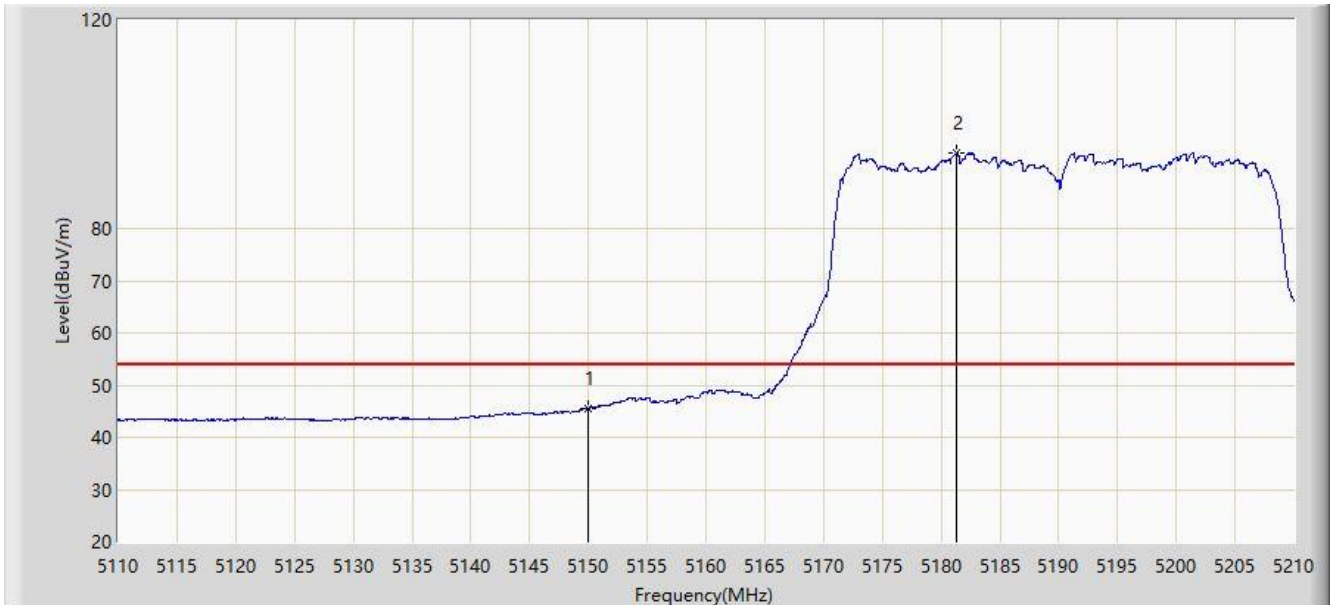


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	57.682	57.280	-16.318	74.000	0.402	PK
2		*	5191.350	105.278	104.989	N/A	N/A	0.289	PK

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

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

Site: AC2	Time: 2020/07/12 - 13:45
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz - CDD Mode	

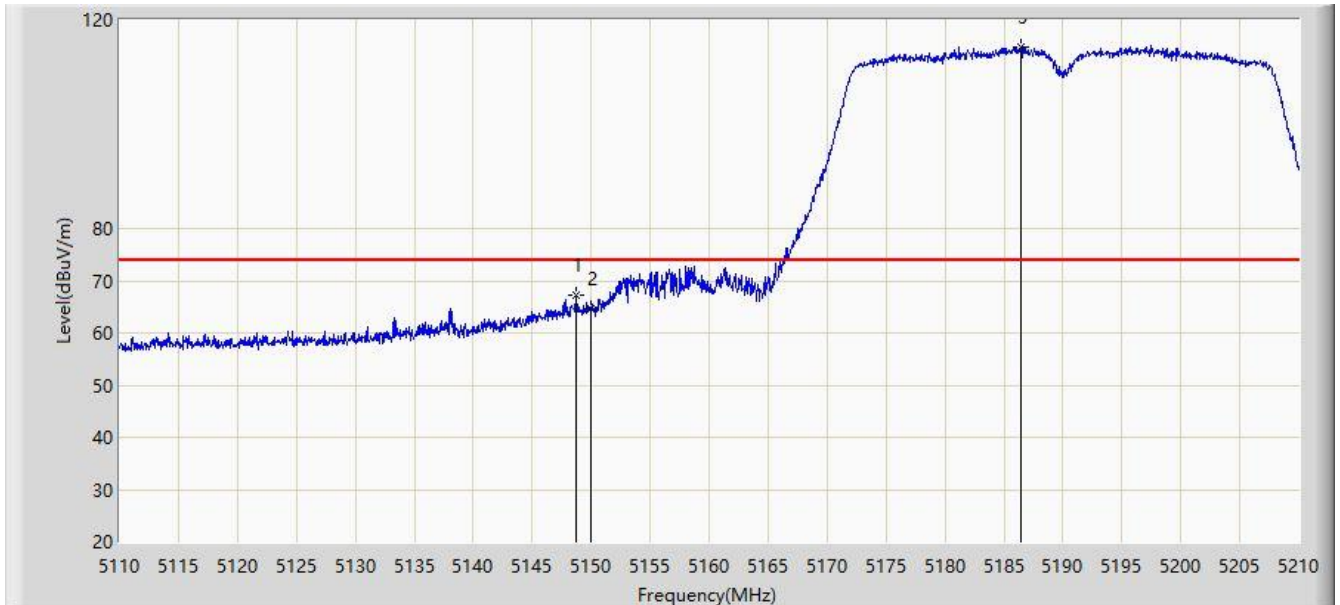


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.639	45.237	-8.361	54.000	0.402	AV
2		*	5181.300	94.383	94.045	N/A	N/A	0.337	AV

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

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

Site: AC2	Time: 2020/07/12 - 13:49
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz - CDD Mode	

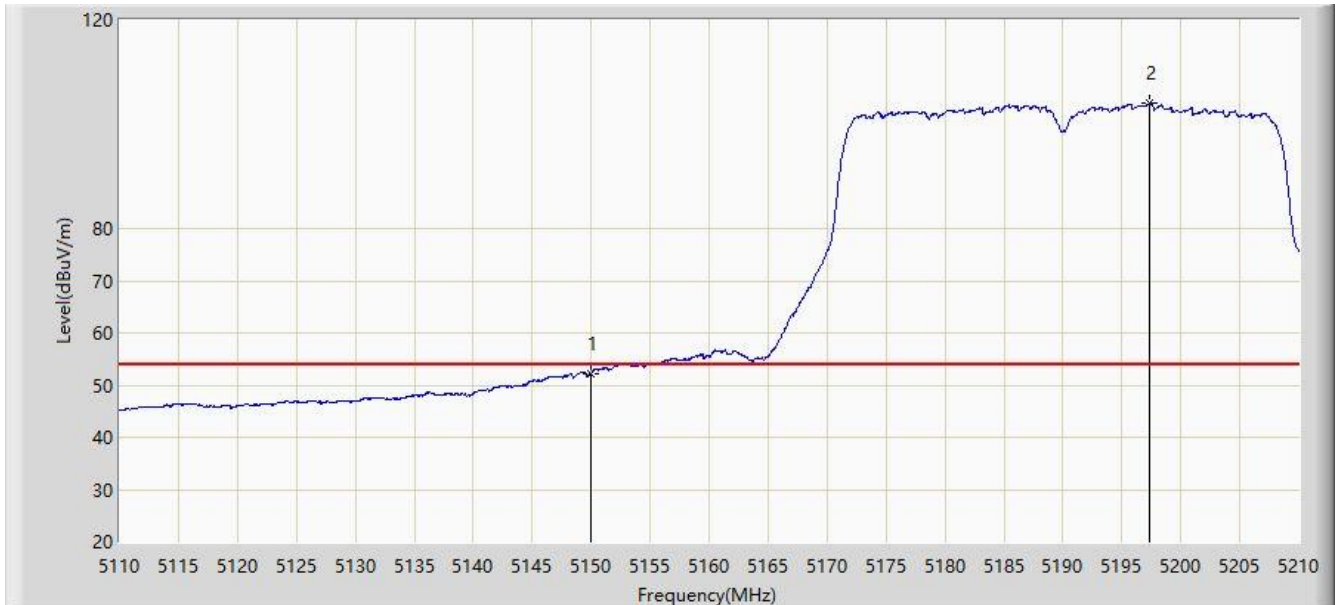


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.750	67.213	66.822	-6.787	74.000	0.391	PK
2			5150.000	64.576	64.174	-9.424	74.000	0.402	PK
3		*	5186.500	114.883	114.575	N/A	N/A	0.307	PK

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

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

Site: AC2	Time: 2020/07/12 - 13:43
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz - CDD Mode	

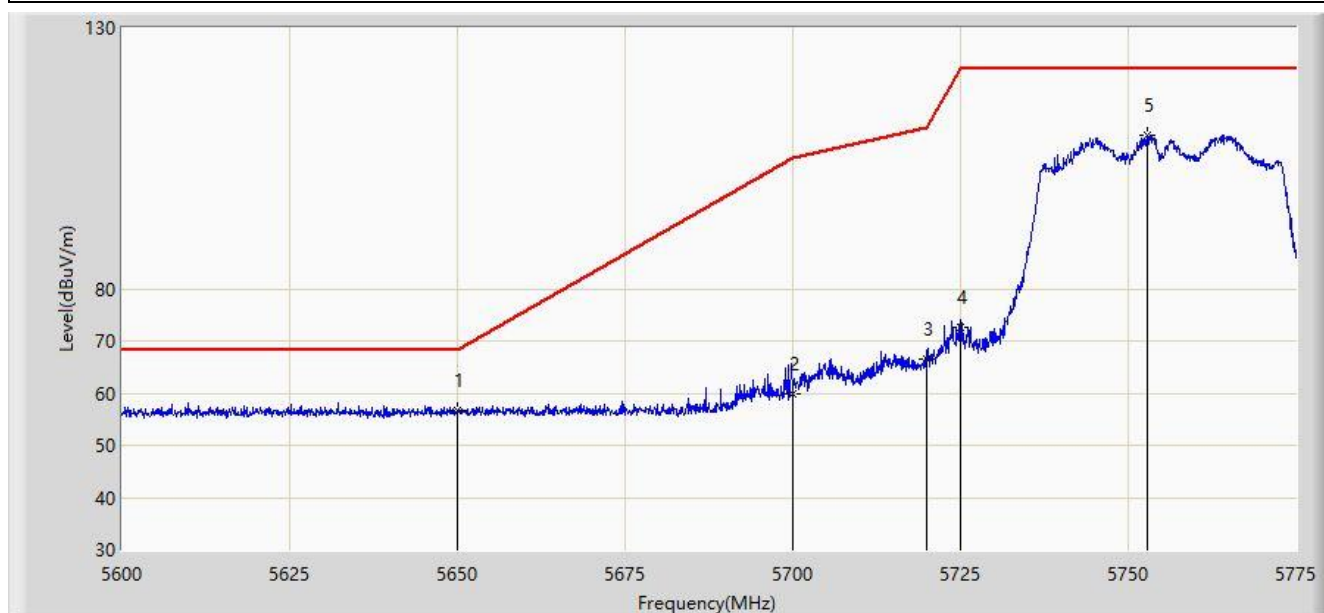


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.250	51.848	-1.750	54.000	0.402	AV
2		*	5197.400	104.010	103.746	N/A	N/A	0.264	AV

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

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

Site: AC2	Time: 2020/07/12 - 14:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz - CDD Mode	

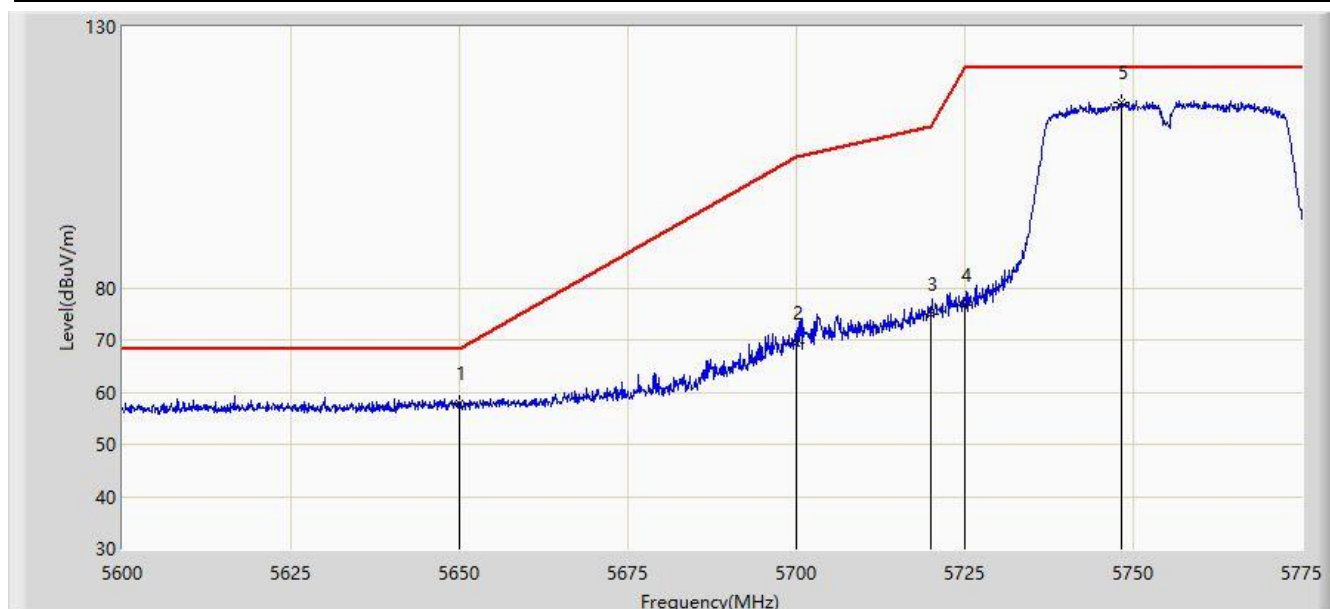


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	56.627	55.254	-11.573	68.200	1.373	PK
2			5700.000	59.851	58.587	-45.349	105.200	1.264	PK
3			5720.000	66.663	65.201	-44.137	110.800	1.462	PK
4			5725.000	72.636	71.203	-49.564	122.200	1.433	PK
5			5752.950	109.476	107.864	N/A	N/A	1.612	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: AC2	Time: 2020/07/12 - 14:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz - CDD Mode	

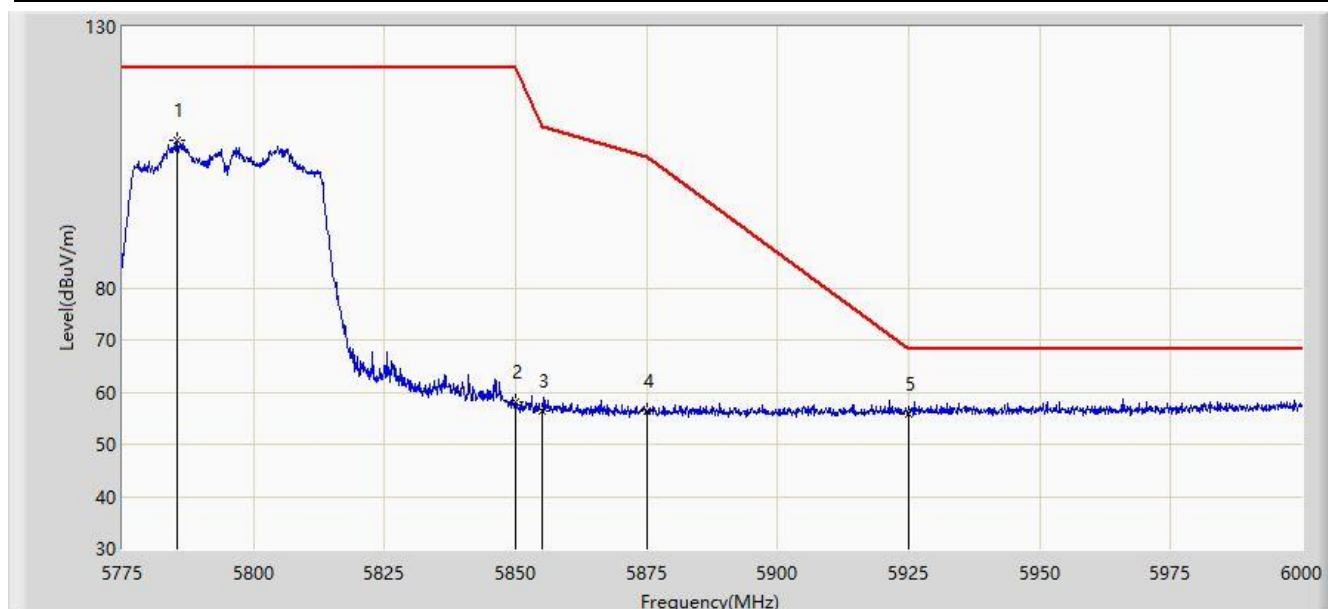


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	57.790	56.417	-10.410	68.200	1.373	PK
2			5700.000	69.335	68.071	-35.865	105.200	1.264	PK
3			5720.000	74.967	73.505	-35.833	110.800	1.462	PK
4			5725.000	76.559	75.126	-45.641	122.200	1.433	PK
5		*	5748.312	115.602	114.099	N/A	N/A	1.503	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: AC2	Time: 2020/07/12 - 14:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz - CDD Mode	

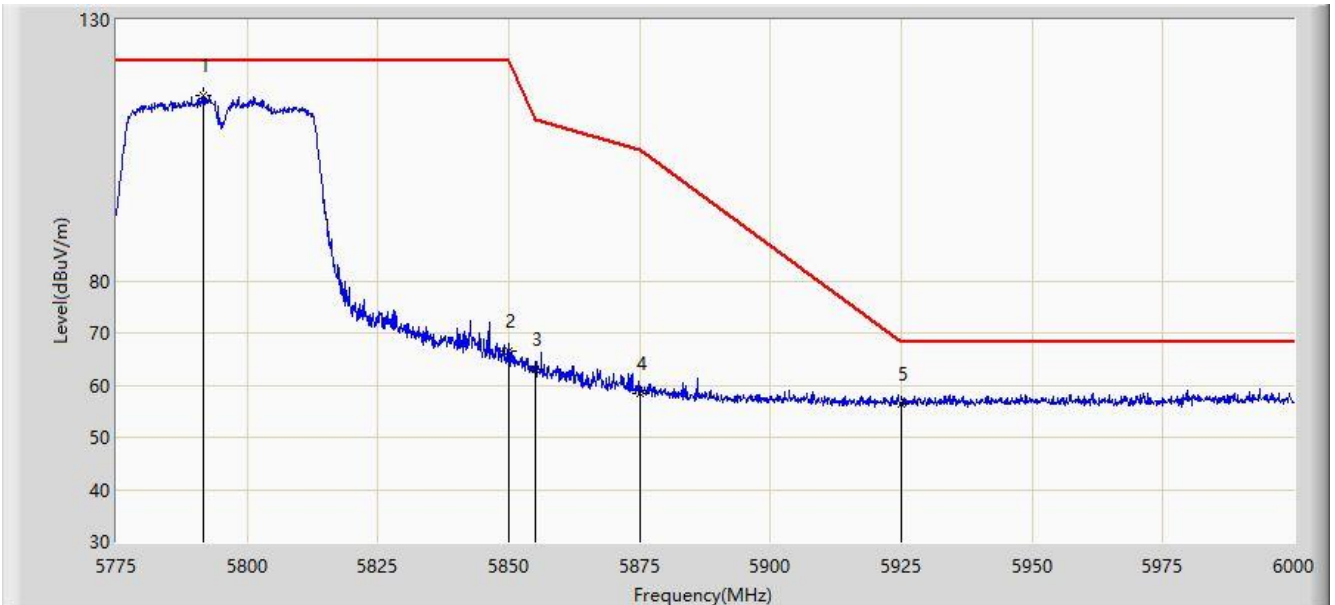


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5785.350	108.401	106.698	N/A	N/A	1.703	PK
2			5850.000	57.974	56.181	-64.226	122.200	1.792	PK
3			5855.000	56.487	54.685	-54.313	110.800	1.802	PK
4			5875.000	56.480	54.609	-48.720	105.200	1.872	PK
5		*	5925.000	55.857	53.788	-12.343	68.200	2.069	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: AC2	Time: 2020/07/12 - 14:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz - CDD Mode	

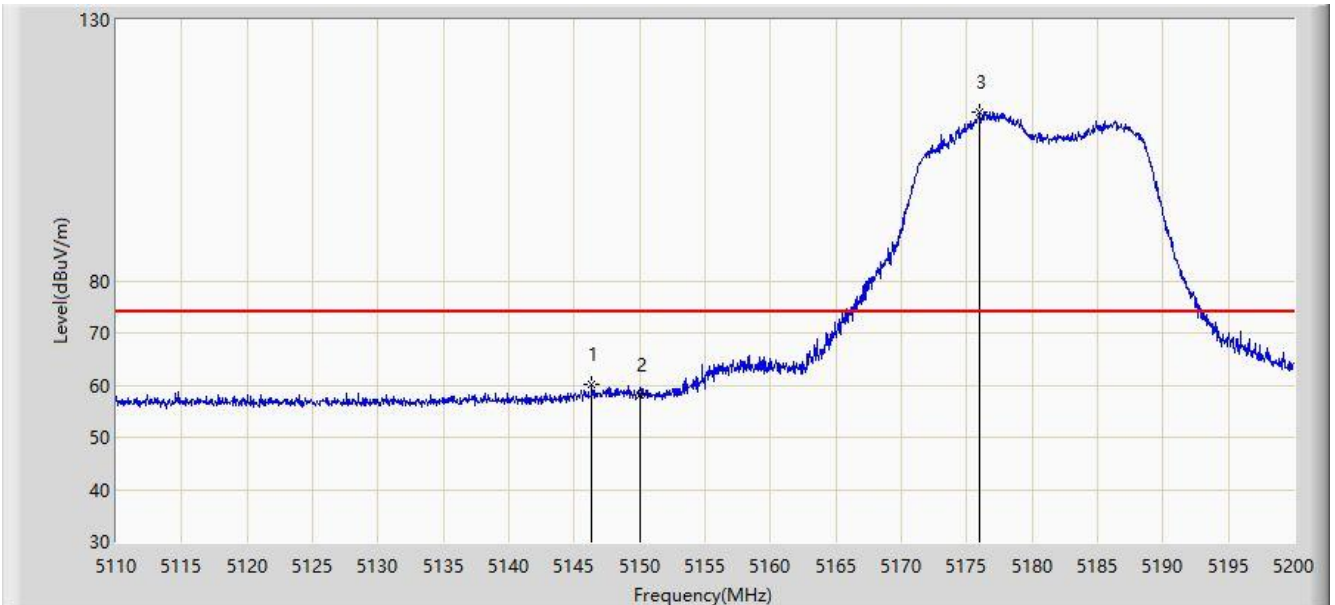


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.538	115.582	113.936	N/A	N/A	1.646	PK
2			5850.000	66.557	64.764	-55.643	122.200	1.792	PK
3			5855.000	63.087	61.285	-47.713	110.800	1.802	PK
4			5875.000	58.419	56.548	-46.781	105.200	1.872	PK
5			5925.000	56.466	54.397	-11.734	68.200	2.069	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: AC2	Time: 2020/06/26 - 14:32
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz - CDD Mode	

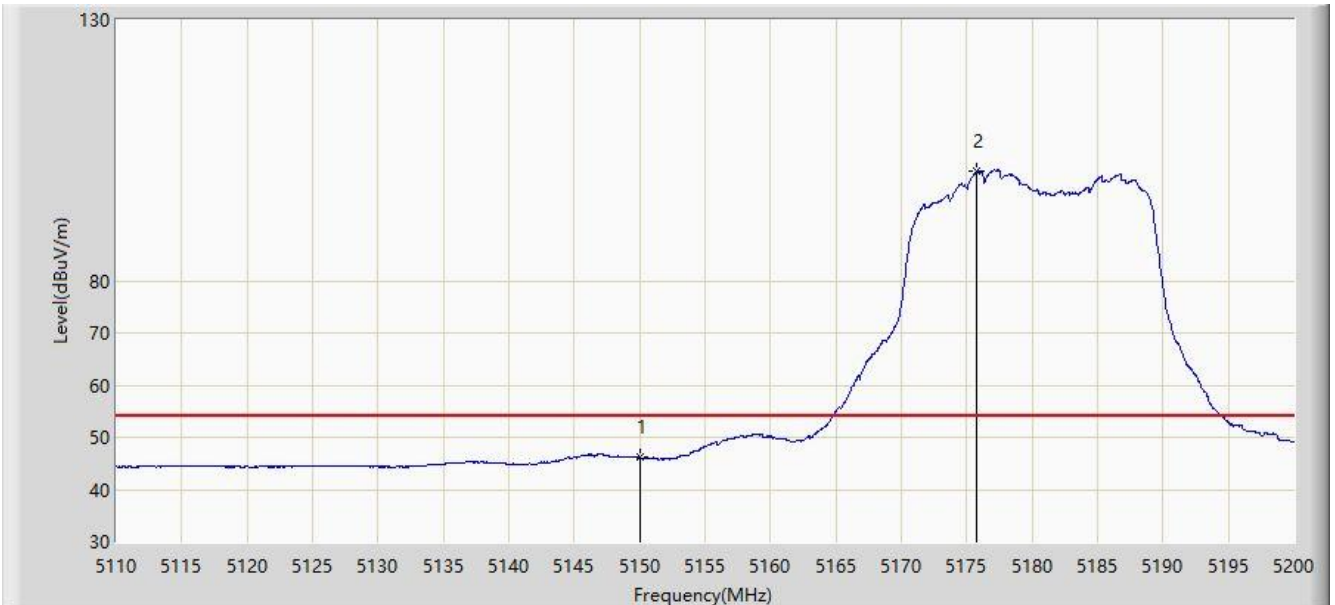


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.360	60.114	59.743	-13.886	74.000	0.371	PK
2			5150.000	58.209	57.807	-15.791	74.000	0.402	PK
3		*	5176.015	112.196	111.798	N/A	N/A	0.398	PK

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

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

Site: AC2	Time: 2020/06/26 - 14:33
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz - CDD Mode	

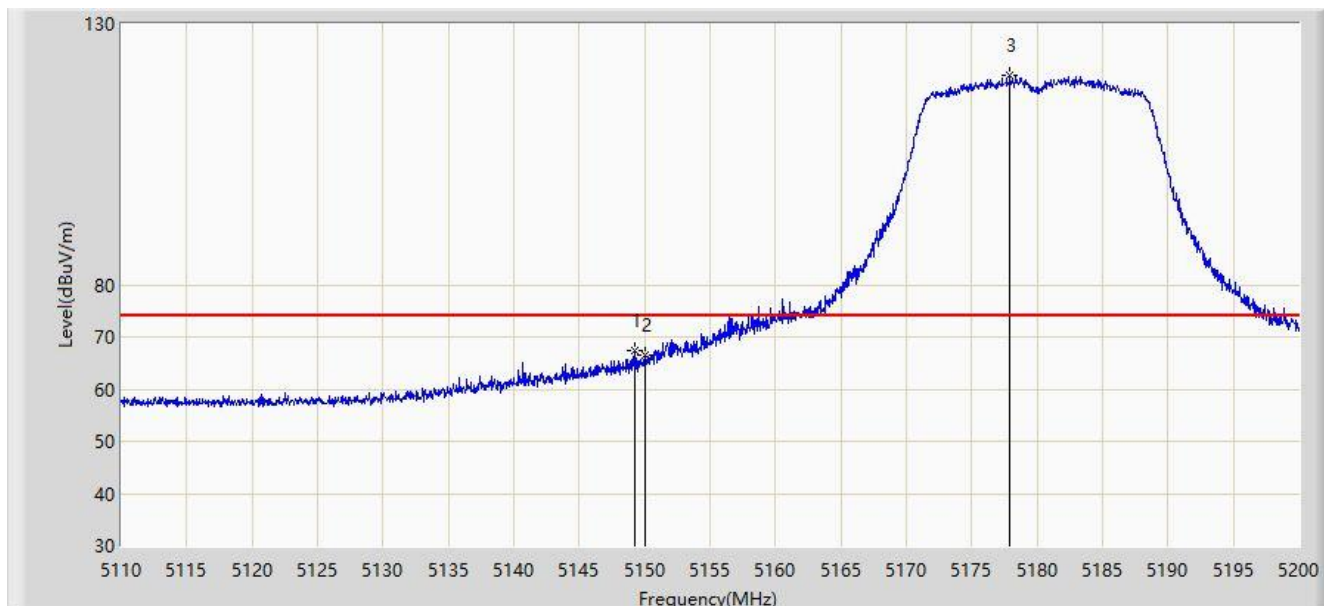


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.118	45.716	-7.882	54.000	0.402	AV
2		*	5175.790	100.983	100.583	N/A	N/A	0.401	AV

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

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

Site: AC2	Time: 2020/06/26 - 14:31
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz - CDD Mode	

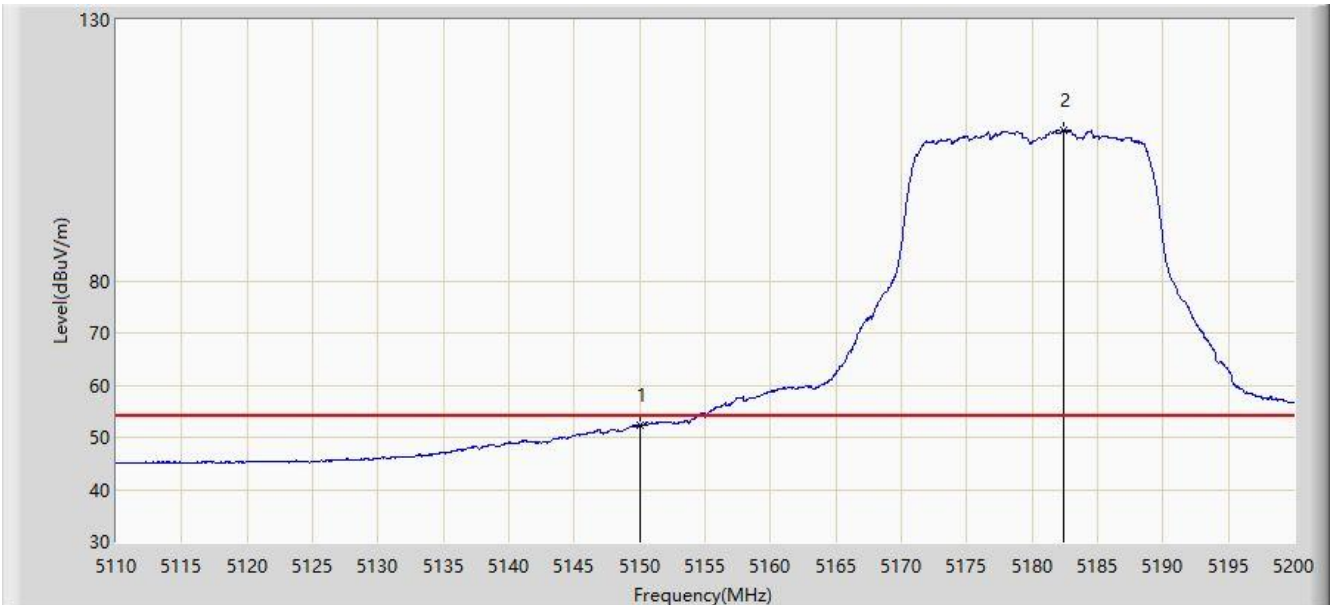


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.285	67.524	67.128	-6.476	74.000	0.396	PK
2			5150.000	66.493	66.091	-7.507	74.000	0.402	PK
3		*	5177.905	120.175	119.799	N/A	N/A	0.376	PK

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

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

Site: AC2	Time: 2020/06/26 - 14:27
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz - CDD Mode	

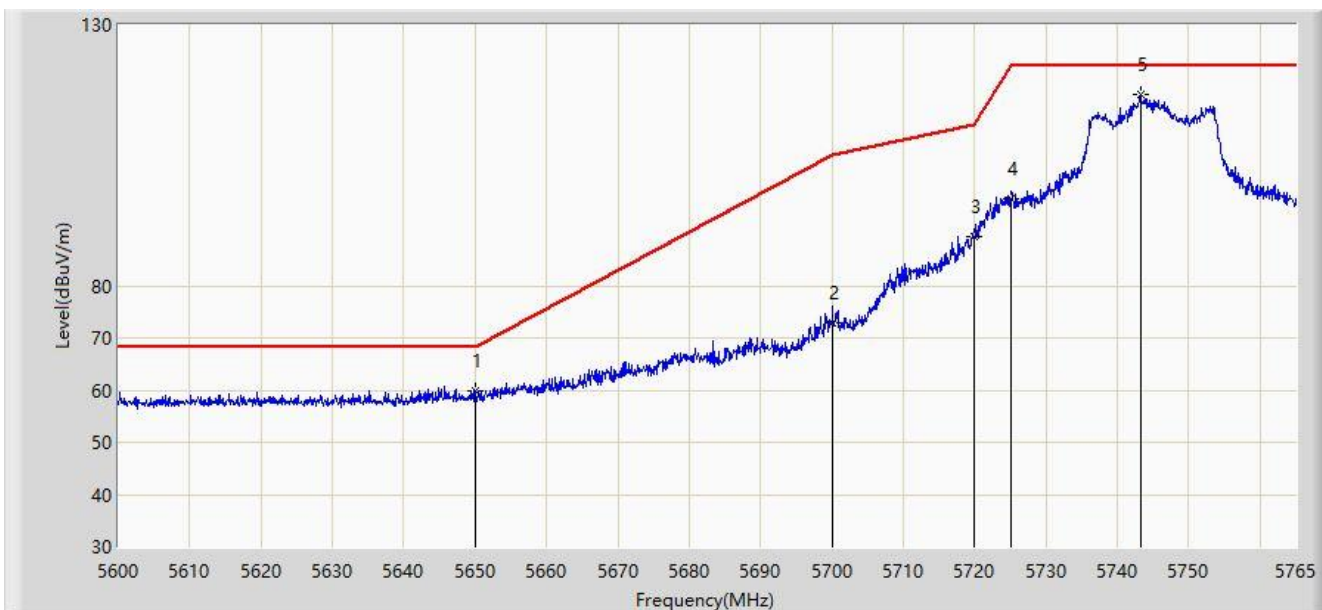


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.449	52.047	-1.551	54.000	0.402	AV
2		*	5182.360	108.742	108.415	N/A	N/A	0.327	AV

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

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

Site: AC2	Time: 2020/06/26 - 15:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz - CDD Mode	

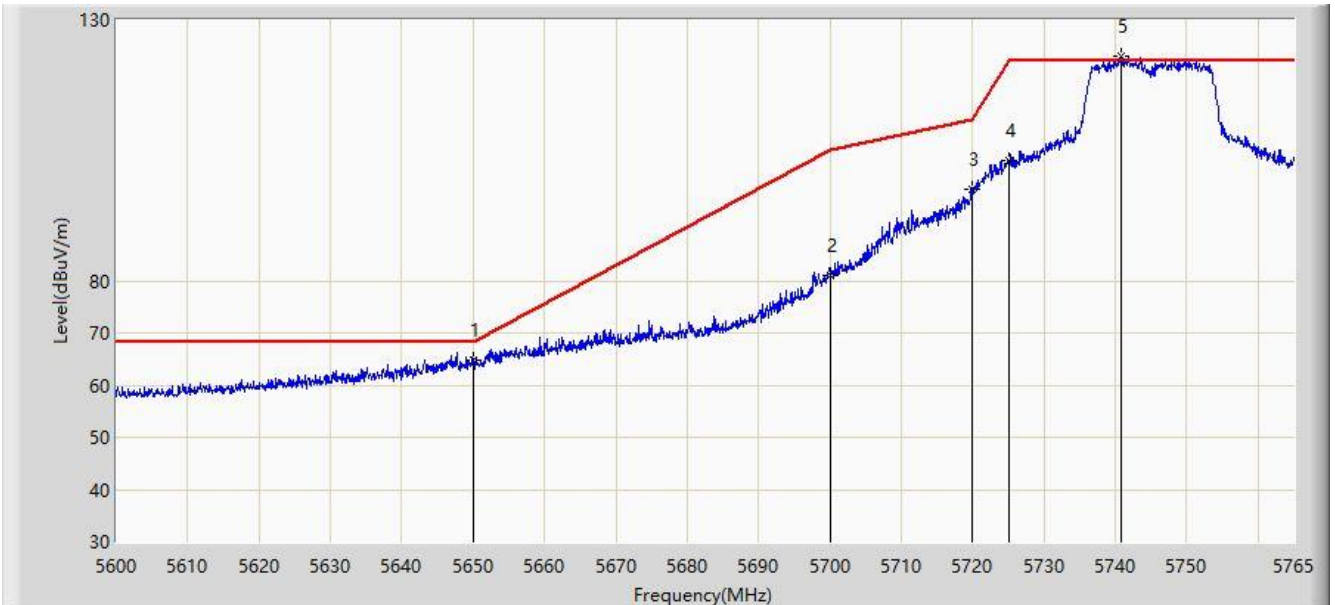


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	59.720	58.347	-8.480	68.200	1.373	PK
2			5700.000	72.959	71.695	-32.241	105.200	1.264	PK
3			5720.000	89.382	87.920	-21.418	110.800	1.462	PK
4			5725.000	96.729	95.296	-25.471	122.200	1.433	PK
5		*	5743.303	116.599	115.214	N/A	N/A	1.386	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: AC2	Time: 2020/06/26 - 15:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz - CDD Mode	

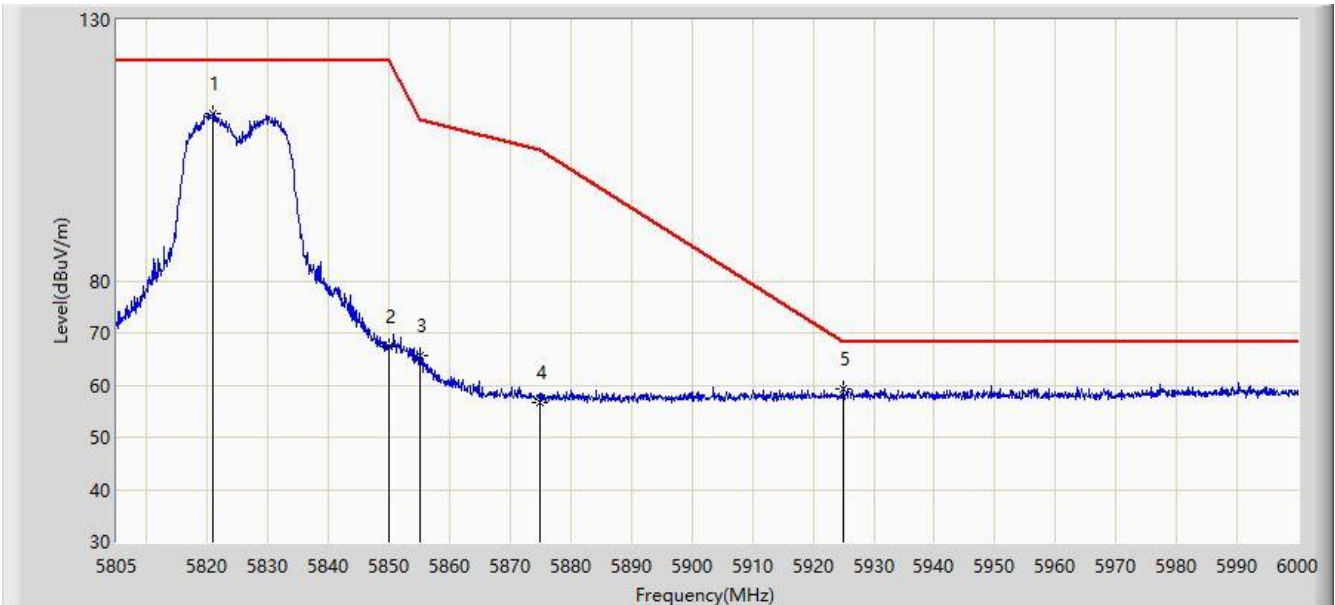


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	64.925	63.552	-3.275	68.200	1.373	PK
2			5700.000	80.943	79.679	-24.257	105.200	1.264	PK
3			5720.000	97.663	96.201	-13.137	110.800	1.462	PK
4			5725.000	102.978	101.545	-19.222	122.200	1.433	PK
5		*	5740.910	122.908	121.549	N/A	N/A	1.358	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: AC2	Time: 2020/06/26 - 15:13
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz - CDD Mode	

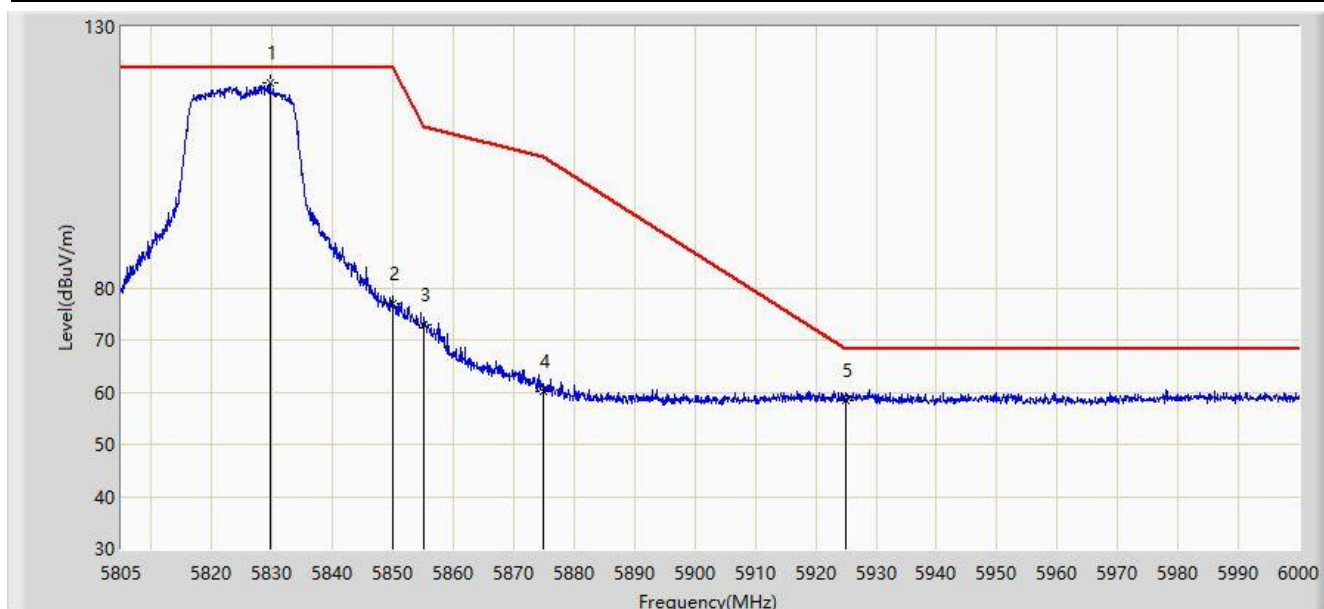


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5820.893	112.147	110.534	N/A	N/A	1.613	PK
2			5850.000	67.458	65.665	-54.742	122.200	1.792	PK
3			5855.000	65.764	63.962	-45.036	110.800	1.802	PK
4			5875.000	56.775	54.904	-48.425	105.200	1.872	PK
5		*	5925.000	59.160	57.091	-9.040	68.200	2.069	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: AC2	Time: 2020/06/26 - 15:14
Limit: FCC_Part15.407_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz - CDD Mode	

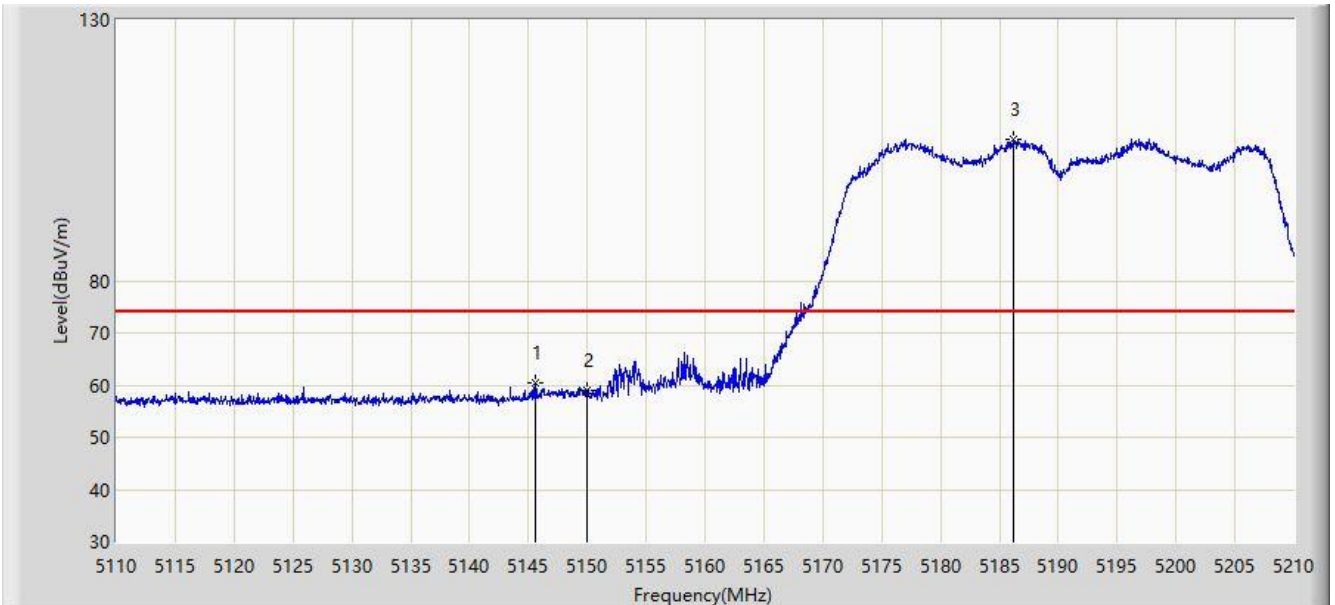


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.570	119.148	117.574	N/A	N/A	1.575	PK
2			5850.000	76.965	75.172	-45.235	122.200	1.792	PK
3			5855.000	72.957	71.155	-37.843	110.800	1.802	PK
4			5875.000	60.259	58.388	-44.941	105.200	1.872	PK
5			5925.000	58.415	56.346	-9.785	68.200	2.069	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: AC2	Time: 2020/06/26 - 15:50
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz - CDD Mode	

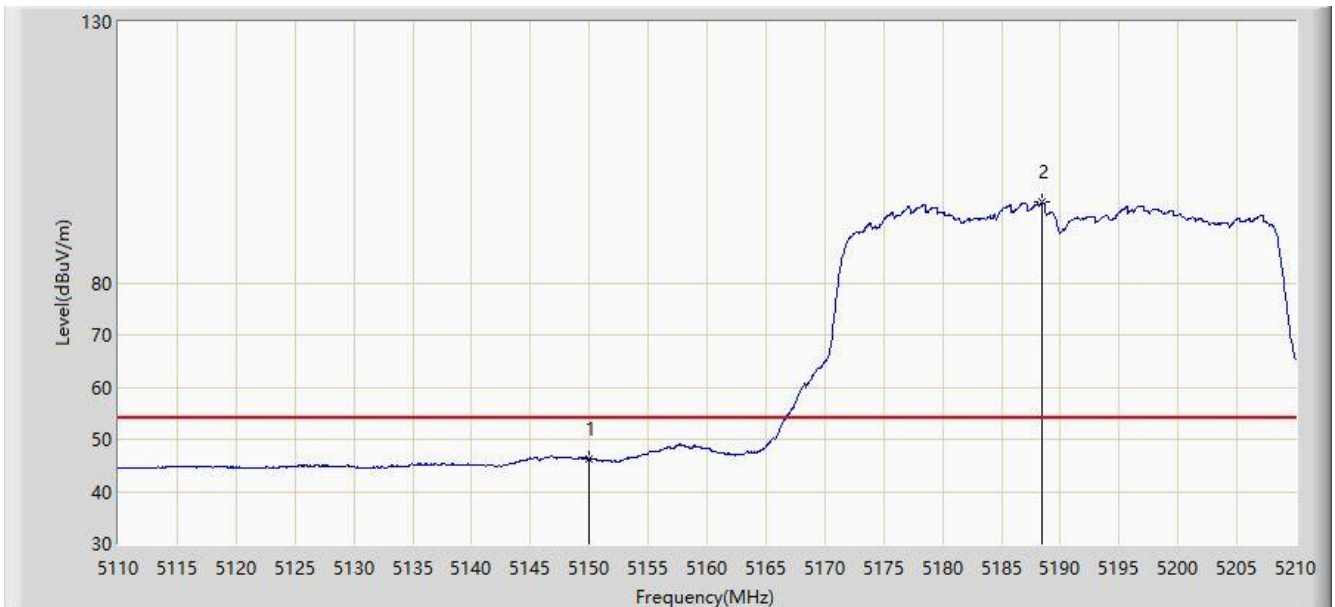


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.650	60.404	60.040	-13.596	74.000	0.364	PK
2			5150.000	58.893	58.491	-15.107	74.000	0.402	PK
3		*	5186.250	107.196	106.887	N/A	N/A	0.310	PK

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

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

Site: AC2	Time: 2020/06/26 - 15:51
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz - CDD Mode	

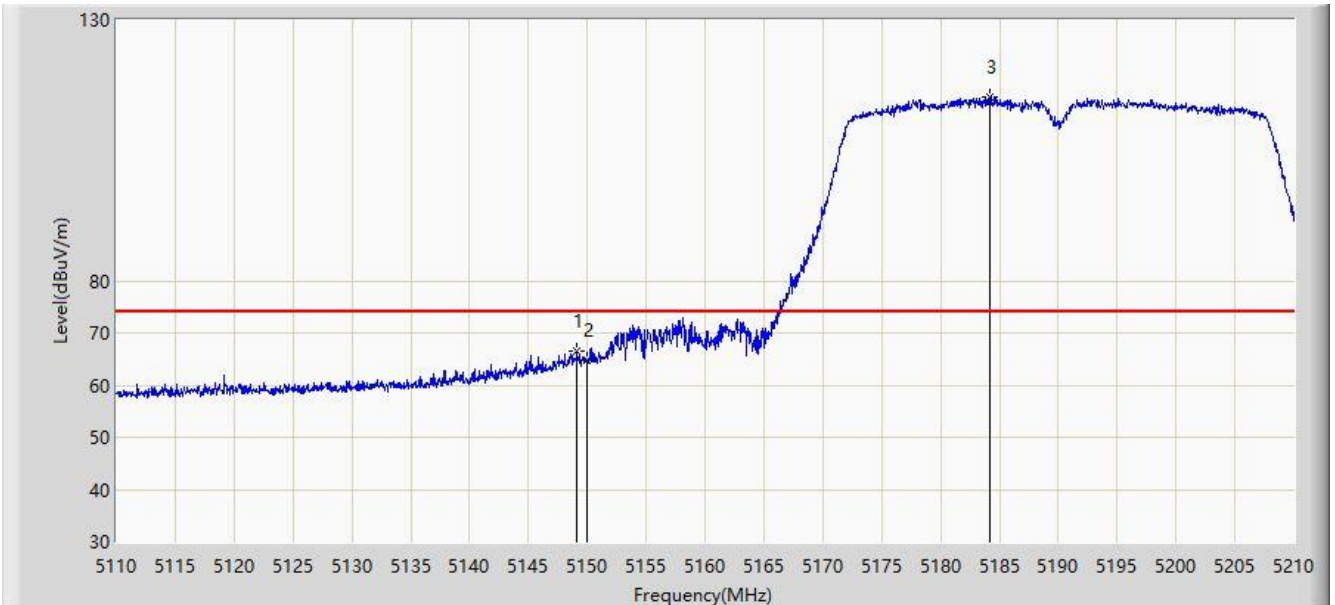


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.259	45.857	-7.741	54.000	0.402	AV
2		*	5188.500	95.383	95.083	N/A	N/A	0.301	AV

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

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

Site: AC2	Time: 2020/06/26 - 15:49
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz - CDD Mode	

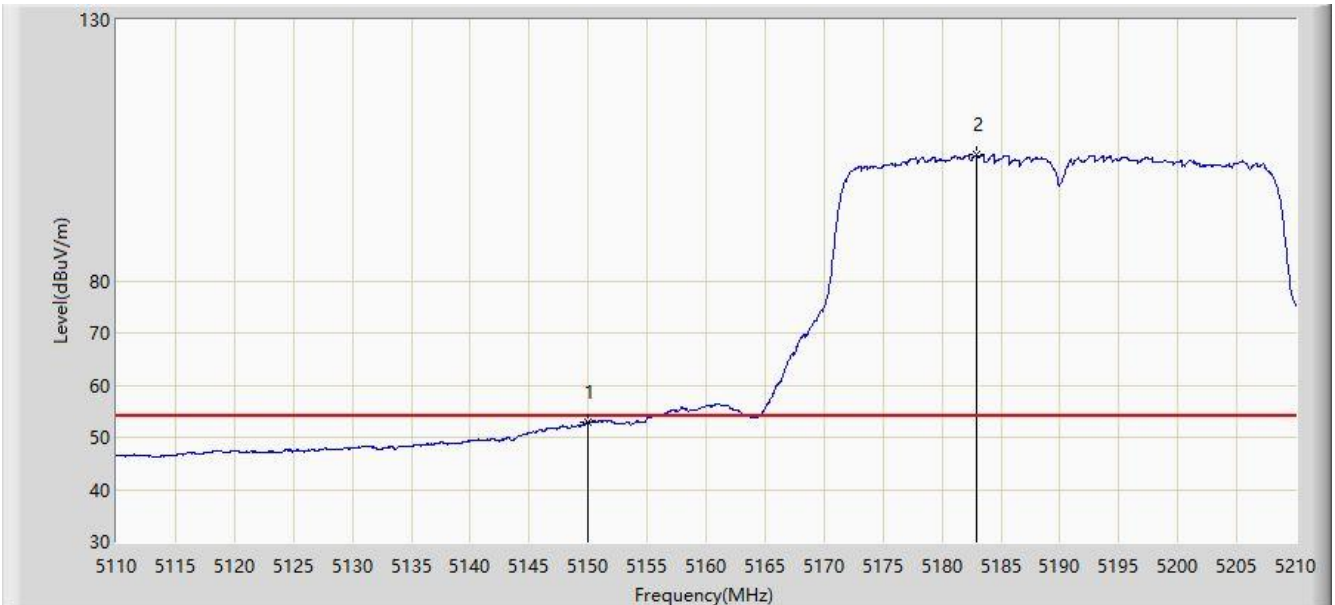


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.100	66.529	66.135	-7.471	74.000	0.394	PK
2			5150.000	64.896	64.494	-9.104	74.000	0.402	PK
3		*	5184.150	115.360	115.043	N/A	N/A	0.317	PK

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

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

Site: AC2	Time: 2020/06/26 - 15:47
Limit: FCC_Part15_RE(3m)	Engineer: Hyde Yu
Probe: AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire BLAST u4	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	52.897	52.495	-1.103	54.000	0.402	AV
2		*	5182.900	104.096	103.772	N/A	N/A	0.324	AV

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

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