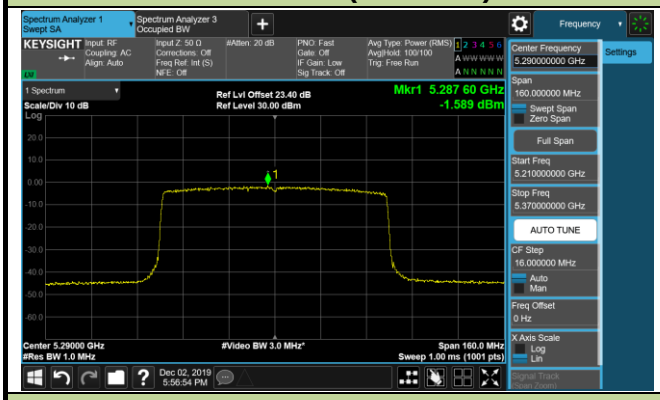
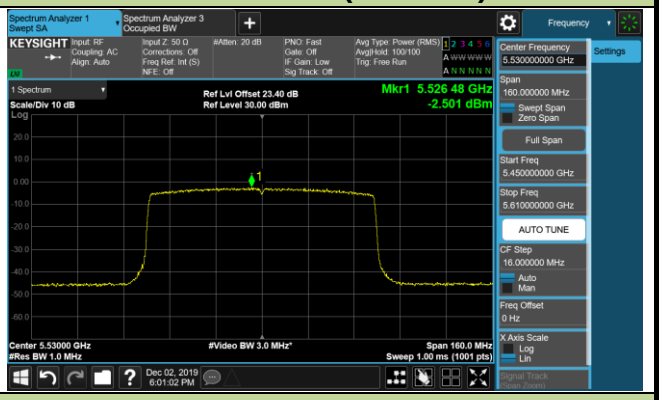
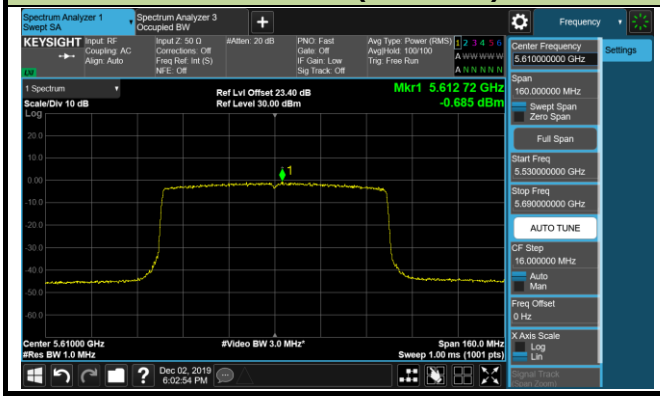
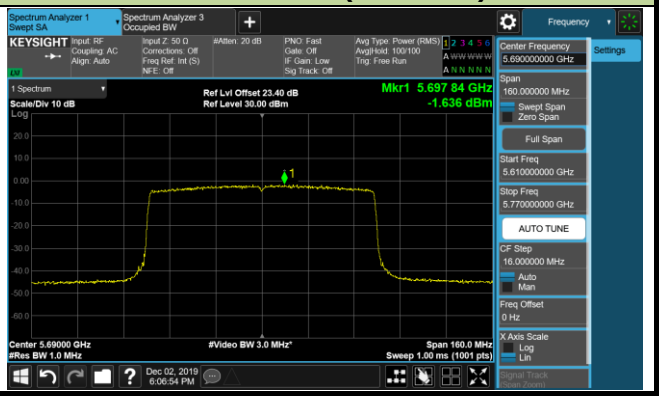
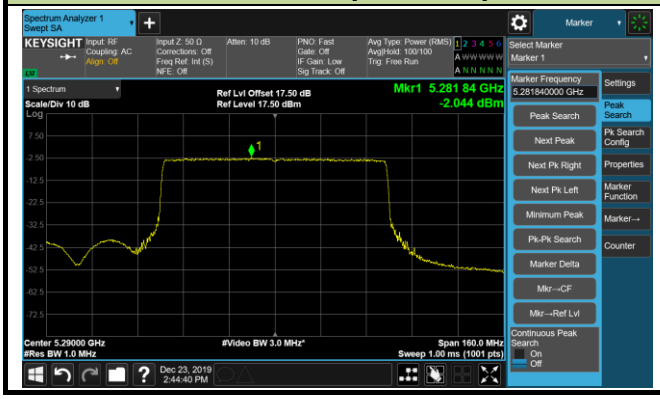
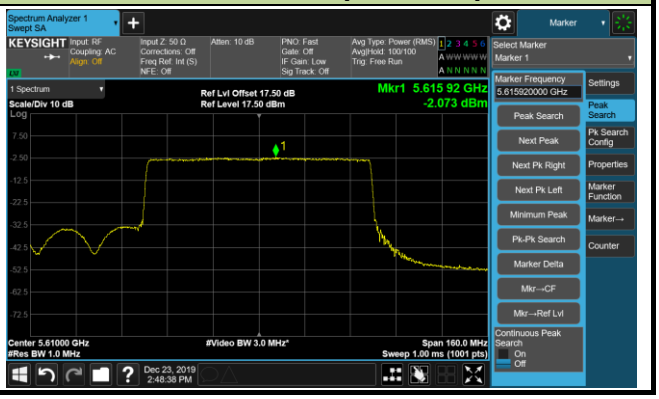
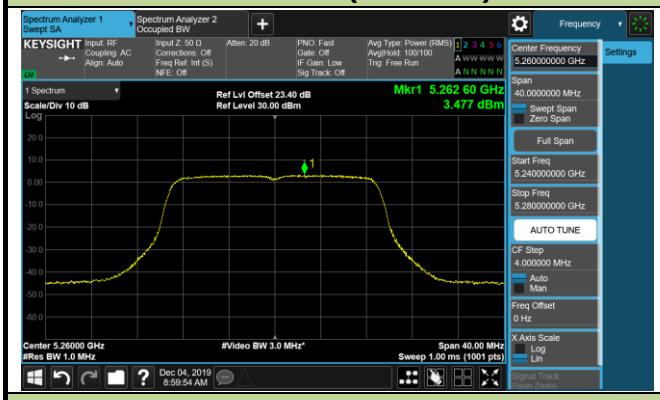
802.11ax-HE80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

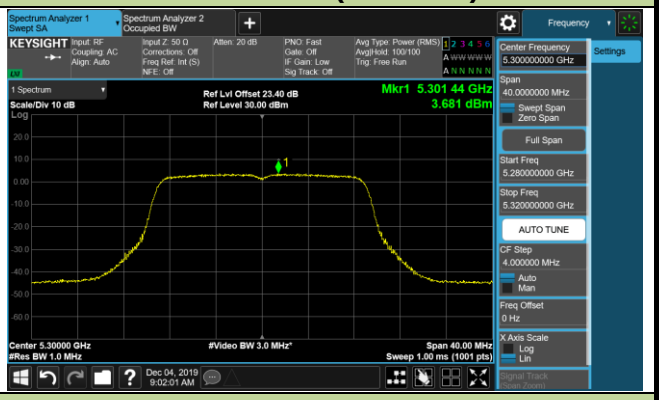
802.11ax-HE80+80 Contiguous Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 58 (5290MHz)	**Channel 122 (5610MHz)**
	

802.11ac-VHT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)

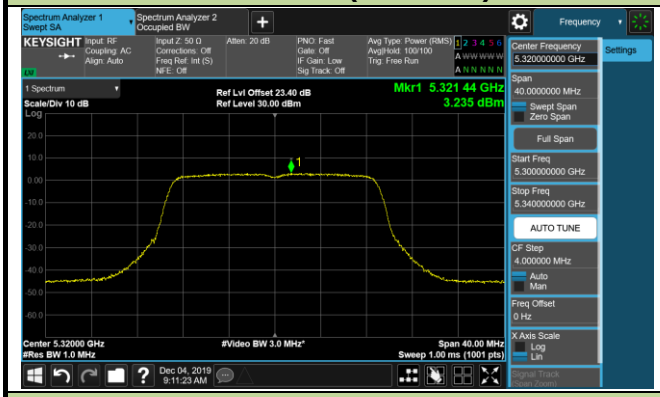
Channel 52 (5260MHz)



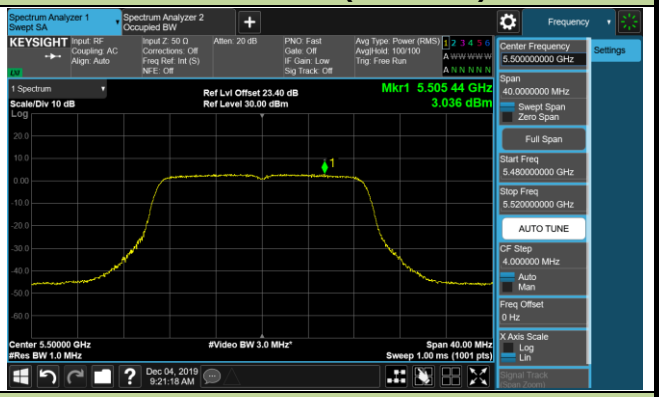
Channel 60 (5300MHz)



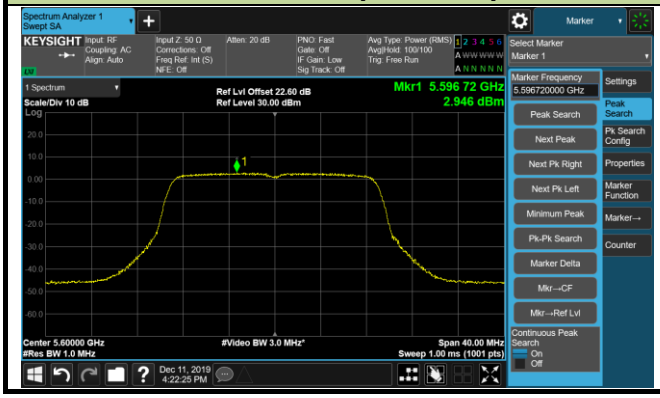
Channel 64 (5320MHz)



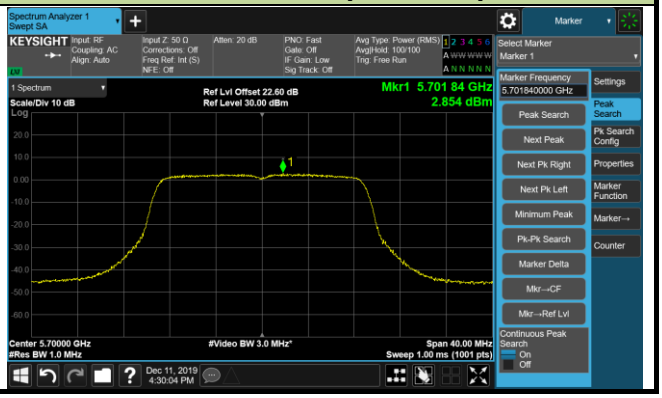
Channel 100 (5500MHz)

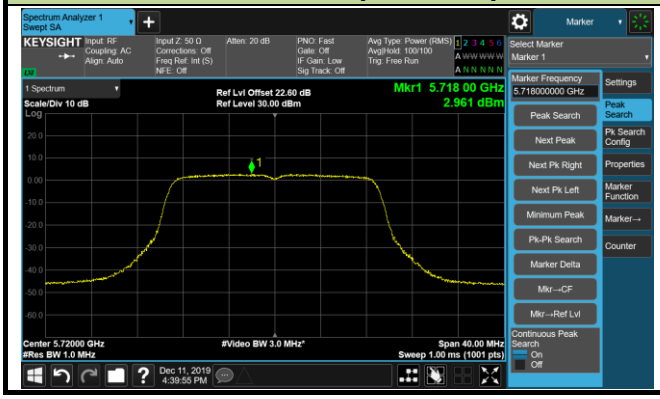


Channel 120 (5600MHz)



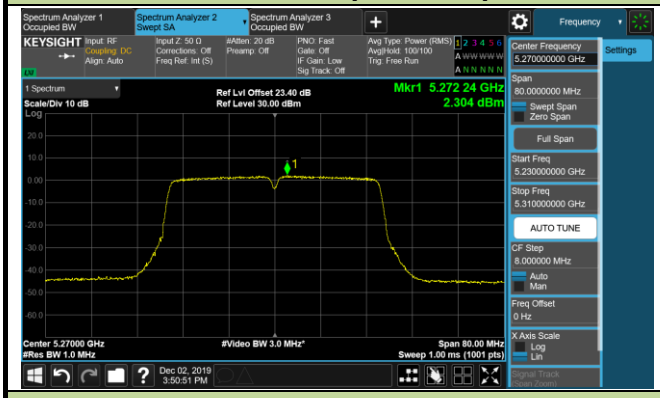
Channel 140 (5700MHz)



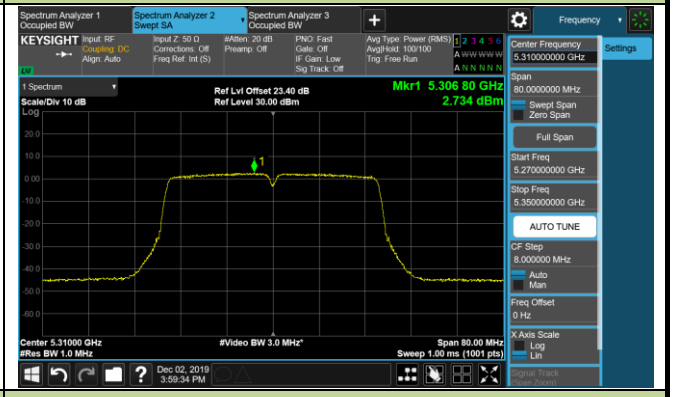
802.11ac-VHT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 144 (5720MHz)	
	

802.11ac-VHT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)

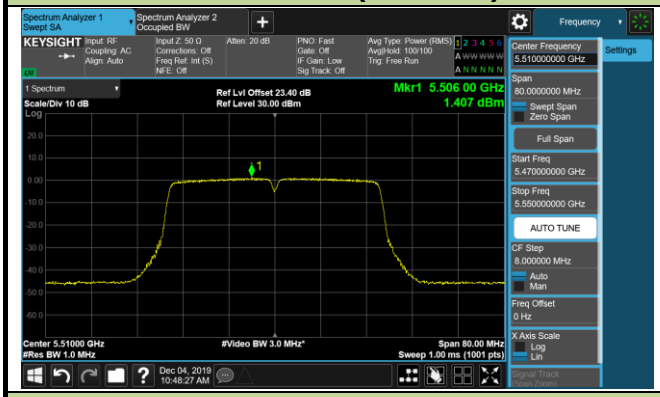
Channel 54 (5270MHz)



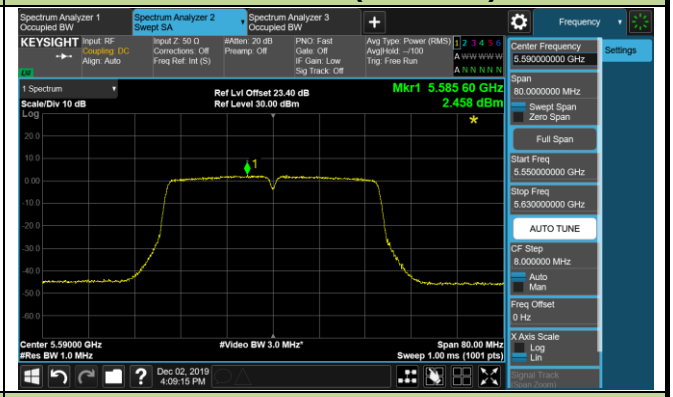
Channel 62 (5310MHz)



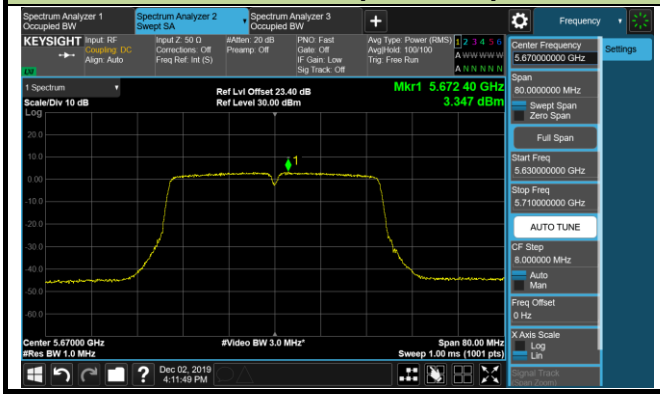
Channel 102 (5510MHz)



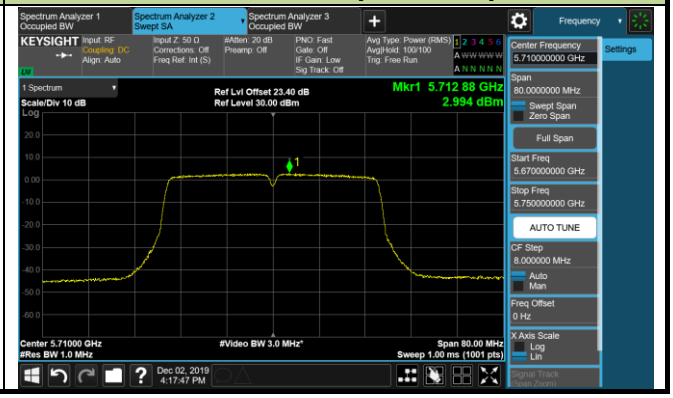
Channel 118 (5590MHz)

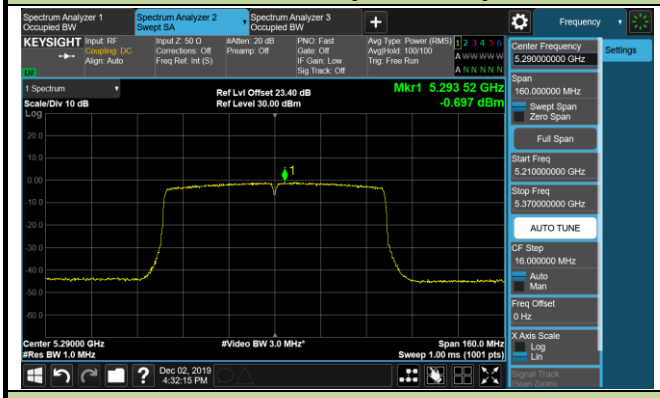
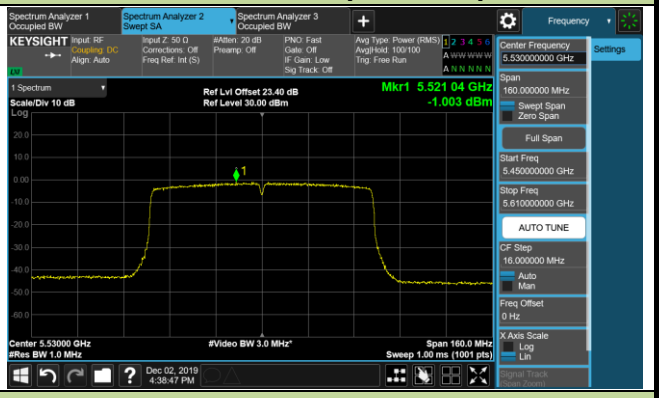
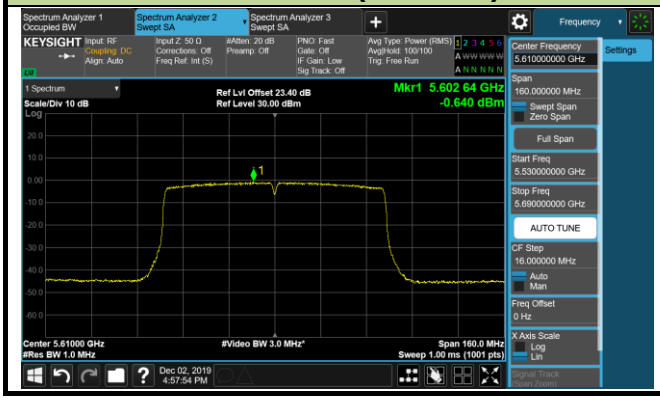
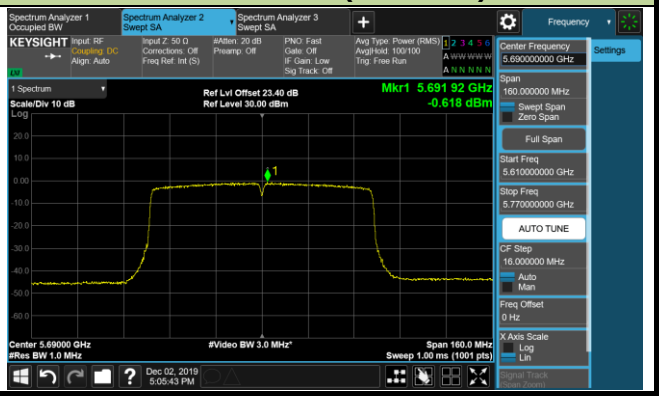


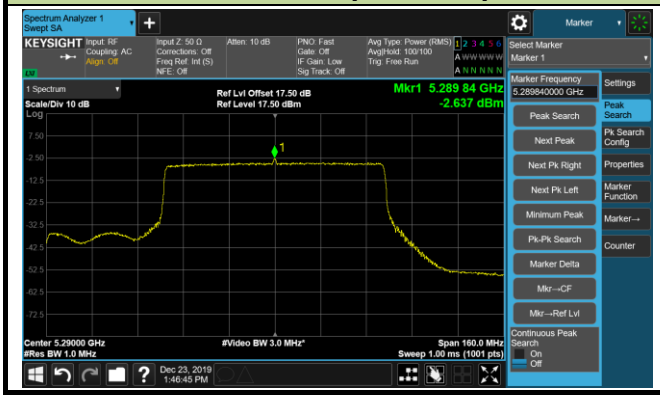
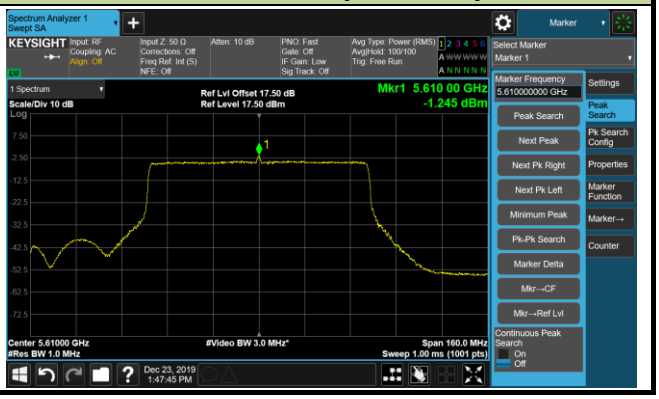
Channel 134 (5670MHz)



Channel 142 (5710MHz)

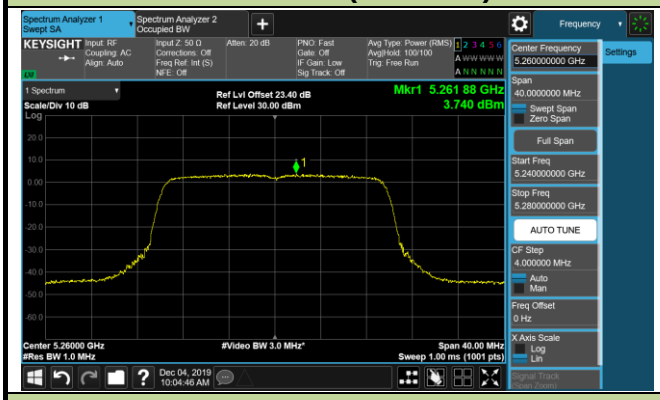


802.11ac-VHT80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

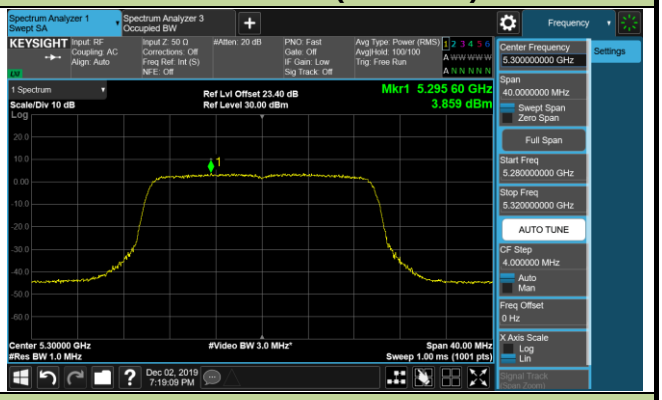
802.11ac-VHT80+80 Contiguous Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 58 (5290MHz)	**Channel 122 (5610MHz)**
	

802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)

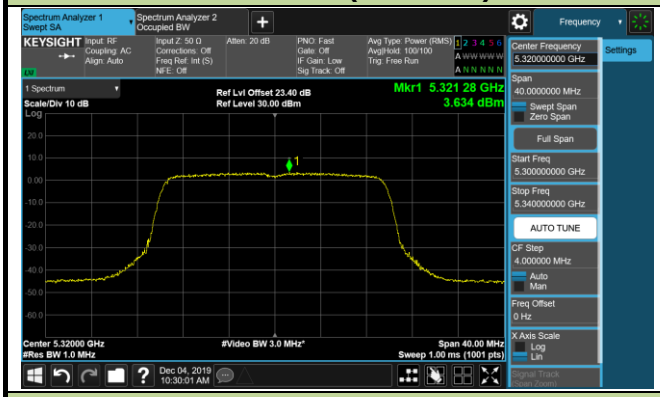
Channel 52 (5260MHz)



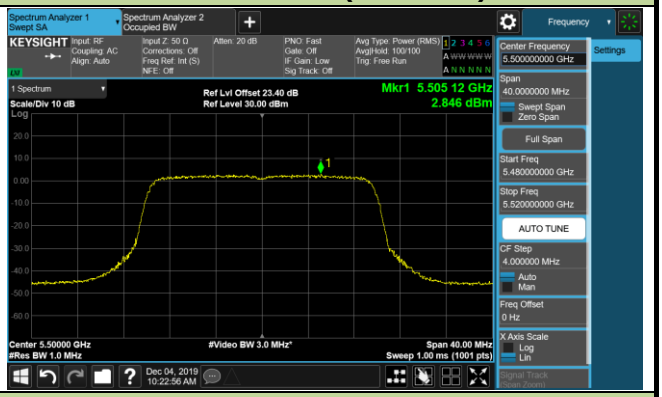
Channel 60 (5300MHz)



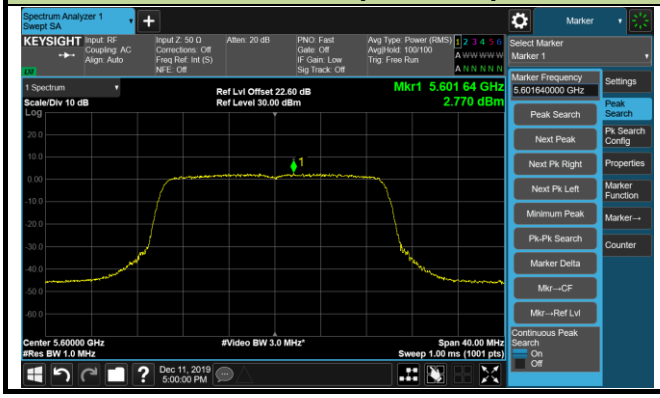
Channel 64 (5320MHz)



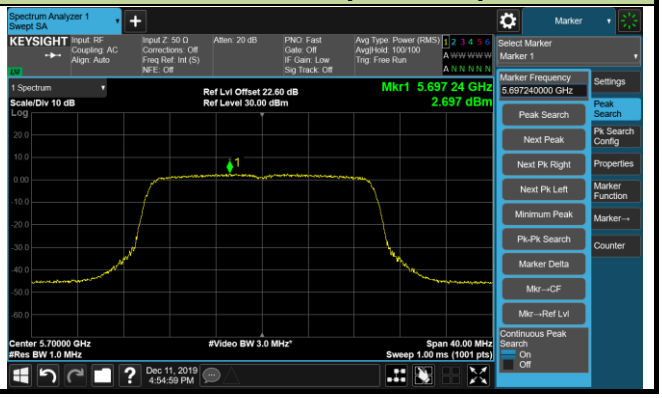
Channel 100 (5500MHz)

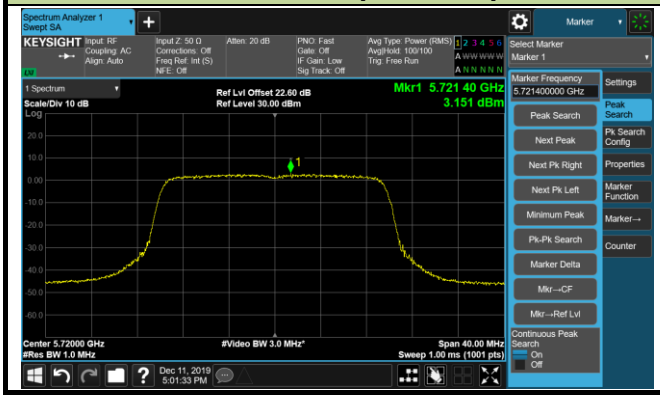


Channel 120 (5600MHz)



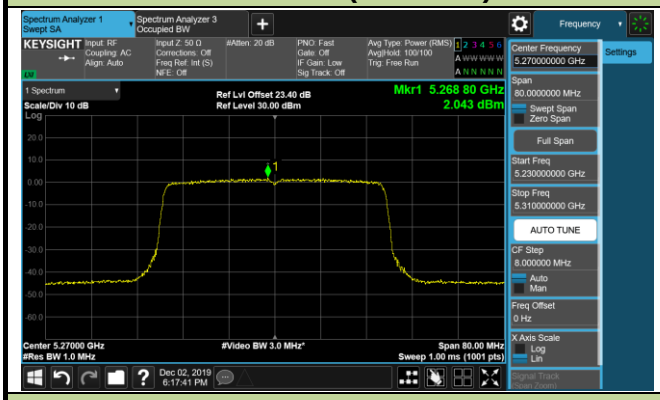
Channel 140 (5700MHz)



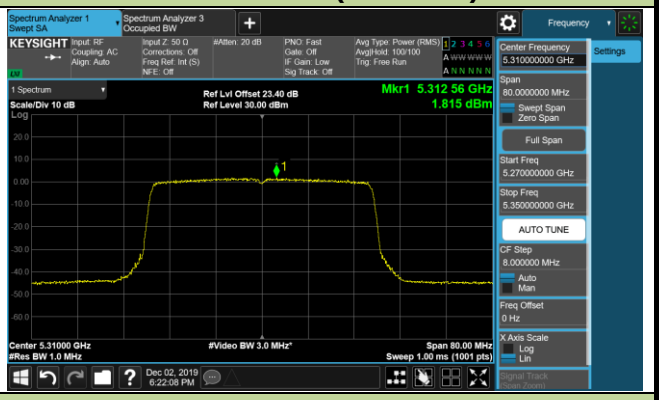
802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 144 (5720MHz)	
	

802.11ax-HE40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)

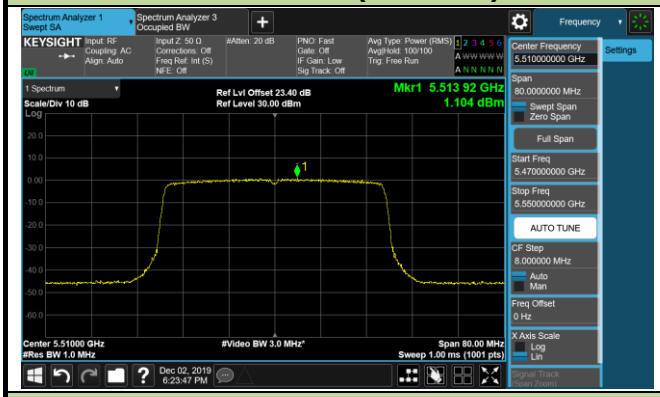
Channel 54 (5270MHz)



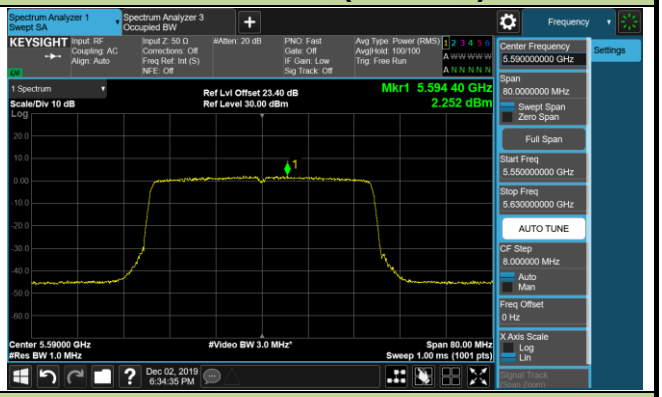
Channel 62 (5310MHz)



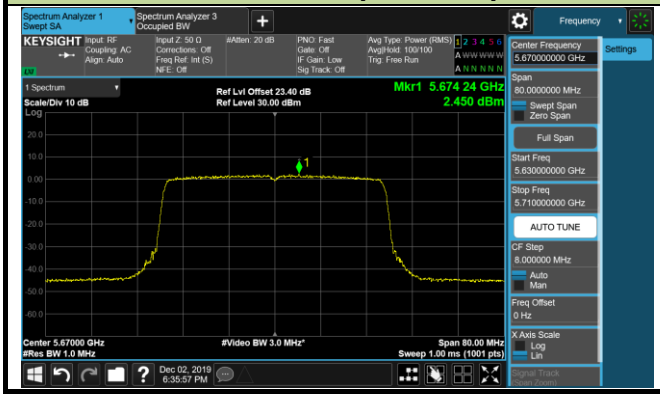
Channel 102 (5510MHz)



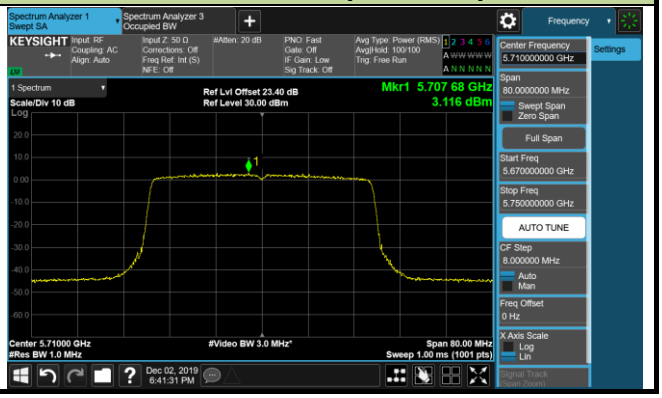
Channel 118 (5590MHz)

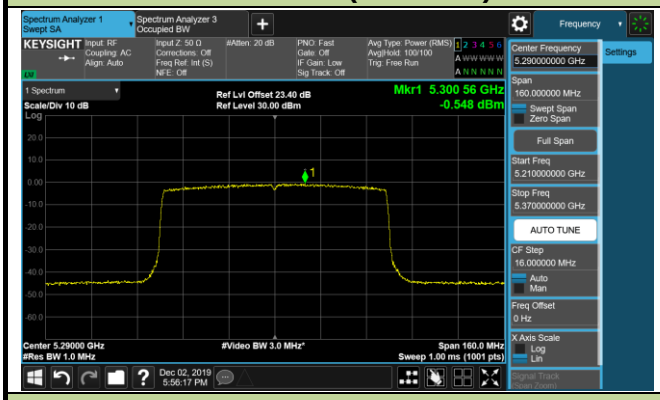
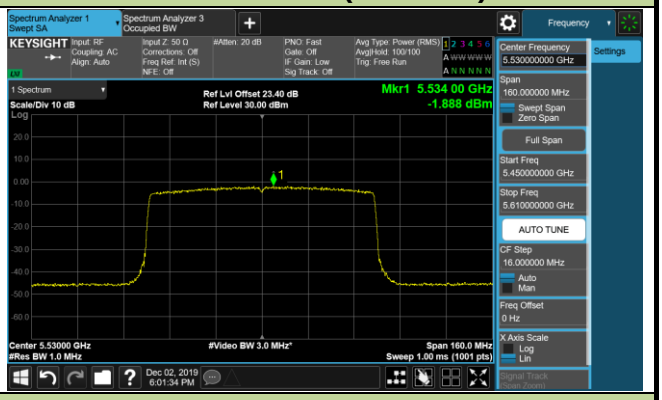
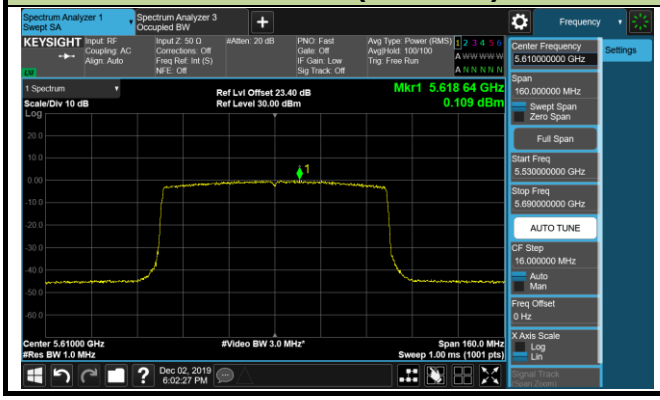
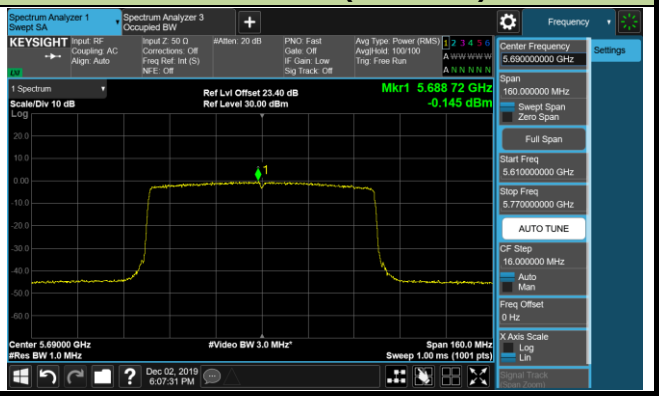


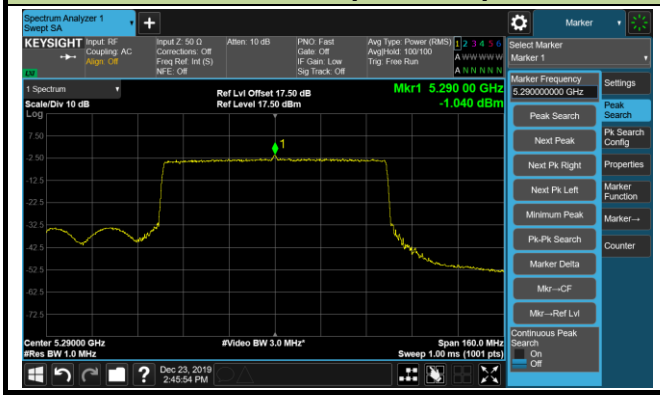
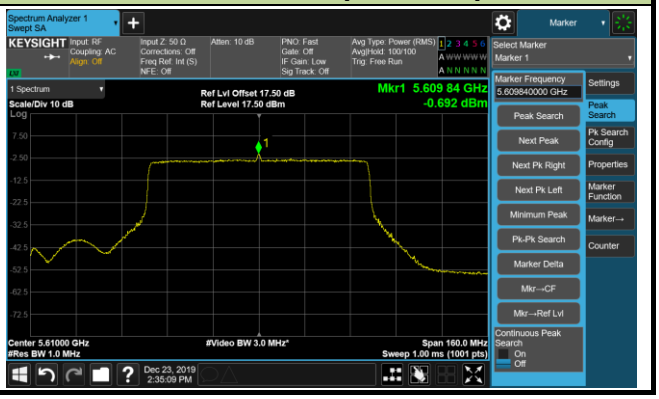
Channel 134 (5670MHz)



Channel 142 (5710MHz)



802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

802.11ax-HE80+80 Contiguous Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	
Channel 58 (5290MHz)	**Channel 122 (5610MHz)**
	

7.7. Frequency Stability Measurement

7.7.1.Test Limit

Manufactures of NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.7.2.Test Procedure Used

Frequency Stability Under Temperature Variations:

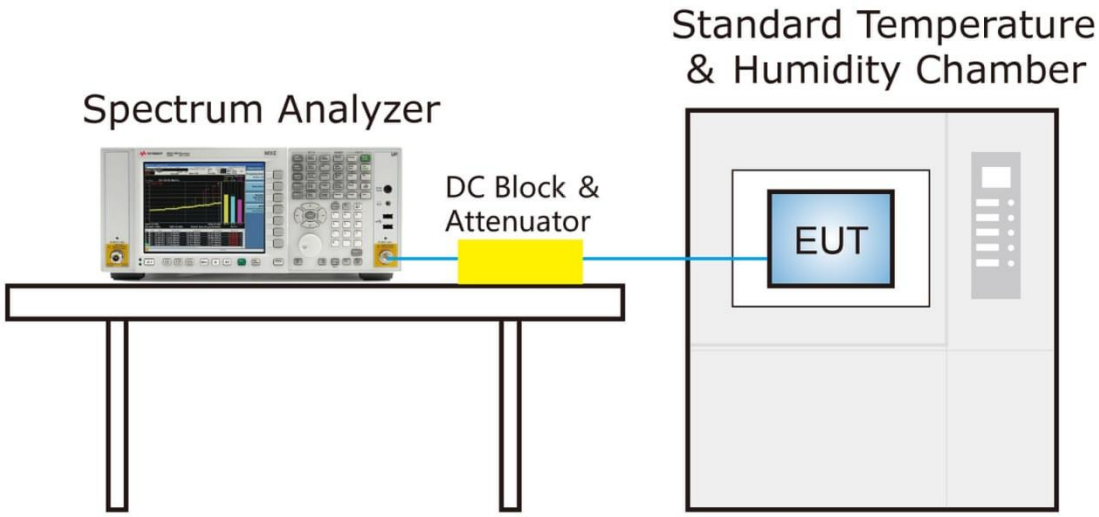
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±15%) and endpoint, record the maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Refer to MRT Test Report “1911RSU033-U2” section 7.7.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test Limit

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [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

7.8.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.8.3.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 ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

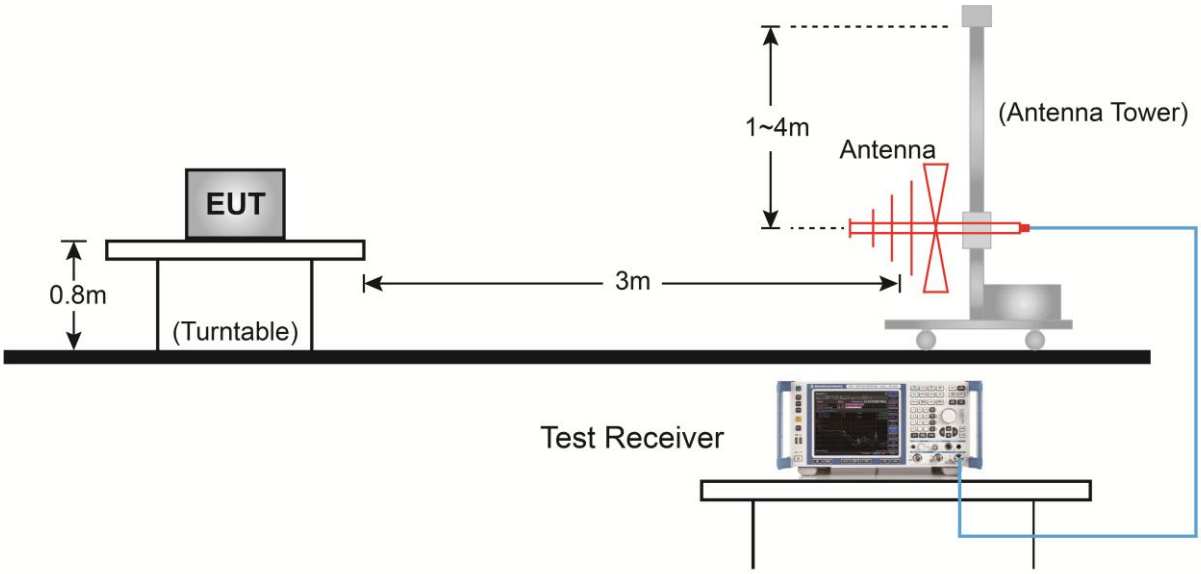
5. Sweep time = auto

6. Trace mode = max hold

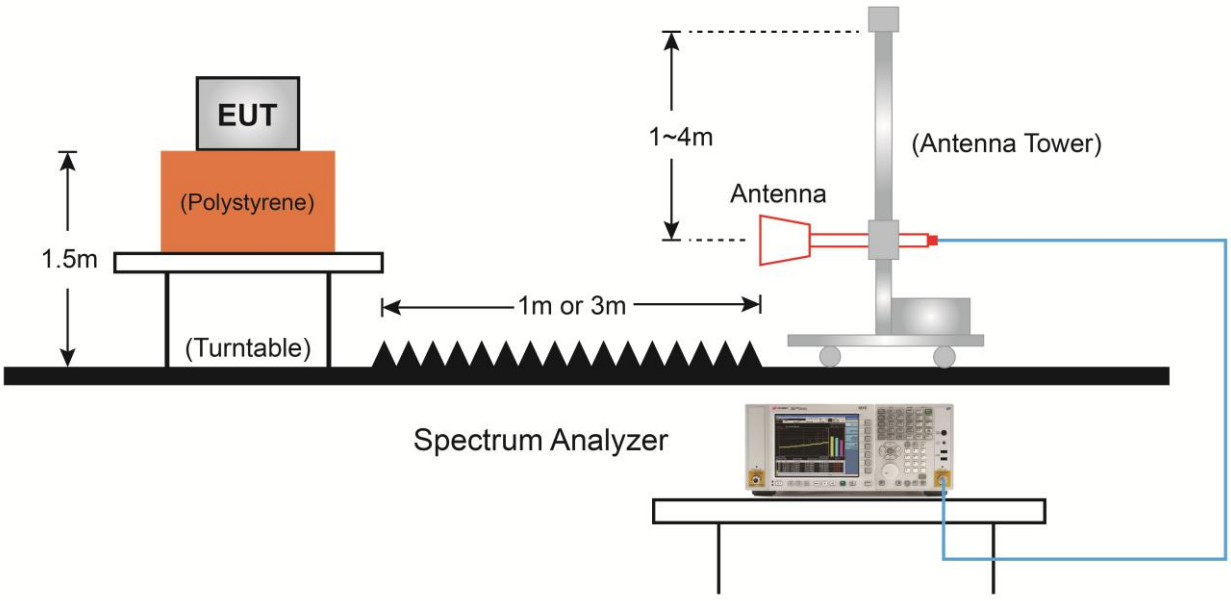
7. Trace was allowed to stabilize

7.8.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.8.5.Test Result

Product	GigaSpire	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	52
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	38.9	11.8	50.7	74.0	-23.3	Peak	Horizontal
*	7910.5	37.6	12.2	49.8	68.2	-18.4	Peak	Horizontal
	8165.5	38.0	12.4	50.4	74.0	-23.6	Peak	Horizontal
*	8684.0	38.5	13.9	52.4	68.2	-15.8	Peak	Horizontal
	7672.5	38.5	11.5	50.0	74.0	-24.0	Peak	Vertical
*	7961.5	38.0	12.4	50.4	68.2	-17.8	Peak	Vertical
	8429.0	38.7	12.7	51.4	74.0	-22.6	Peak	Vertical
*	8701.0	38.5	14.0	52.5	68.2	-15.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	60
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
	7375.0	39.2	11.9	51.1	74.0	-22.9	Peak	Horizontal
*	7944.5	38.6	12.5	51.1	68.2	-17.1	Peak	Horizontal
	8165.5	39.0	12.4	51.4	74.0	-22.6	Peak	Horizontal
*	8820.0	38.0	14.3	52.3	68.2	-15.9	Peak	Horizontal
	7613.0	38.8	11.8	50.6	74.0	-23.4	Peak	Vertical
*	7876.5	36.5	12.1	48.6	68.2	-19.6	Peak	Vertical
	8386.5	36.8	12.4	49.2	74.0	-24.8	Peak	Vertical
*	8811.5	36.9	14.3	51.2	68.2	-17.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	64
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
	8344.0	37.4	12.2	49.6	74.0	-24.4	Peak	Horizontal
*	8811.5	36.9	14.3	51.2	68.2	-17.0	Peak	Horizontal
	9338.5	36.1	15.8	51.9	74.0	-22.1	Peak	Horizontal
*	10069.5	36.6	16.8	53.4	68.2	-14.8	Peak	Horizontal
	7307.0	38.1	11.7	49.8	74.0	-24.2	Peak	Vertical
*	7902.0	37.4	12.1	49.5	68.2	-18.7	Peak	Vertical
	8182.5	38.4	12.4	50.8	74.0	-23.2	Peak	Vertical
*	8854.0	38.7	14.4	53.1	68.2	-15.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	100
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	40.4	11.7	52.1	74.0	-21.9	Peak	Horizontal
*	7953.0	38.9	12.5	51.4	68.2	-16.8	Peak	Horizontal
	8386.5	39.1	12.4	51.5	74.0	-22.5	Peak	Horizontal
*	8692.5	38.5	14.0	52.5	68.2	-15.7	Peak	Horizontal
	7400.5	39.4	11.8	51.2	74.0	-22.8	Peak	Vertical
*	7910.5	38.6	12.2	50.8	68.2	-17.4	Peak	Vertical
	8157.0	38.8	12.5	51.3	74.0	-22.7	Peak	Vertical
*	8633.0	39.3	13.5	52.8	68.2	-15.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	120
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
	7664.0	39.0	11.4	50.4	74.0	-23.6	Peak	Horizontal
*	7944.5	38.1	12.5	50.6	68.2	-17.6	Peak	Horizontal
	8488.5	39.9	12.8	52.7	74.0	-21.3	Peak	Horizontal
*	8769.0	38.8	14.2	53.0	68.2	-15.2	Peak	Horizontal
	7434.5	38.3	11.9	50.2	74.0	-23.8	Peak	Vertical
*	7936.0	38.6	12.5	51.1	68.2	-17.1	Peak	Vertical
	8140.0	39.6	12.4	52.0	74.0	-22.0	Peak	Vertical
*	8743.5	38.4	14.1	52.5	68.2	-15.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	140
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
	7366.5	37.7	11.9	49.6	74.0	-24.4	Peak	Horizontal
*	7876.5	37.4	12.1	49.5	68.2	-18.7	Peak	Horizontal
	8165.5	37.9	12.4	50.3	74.0	-23.7	Peak	Horizontal
*	8854.0	37.6	14.4	52.0	68.2	-16.2	Peak	Horizontal
	7460.0	38.5	11.9	50.4	74.0	-23.6	Peak	Vertical
*	7893.5	38.2	12.1	50.3	68.2	-17.9	Peak	Vertical
	8165.5	38.6	12.4	51.0	74.0	-23.0	Peak	Vertical
*	8709.5	38.5	13.9	52.4	68.2	-15.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	144
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	38.5	11.9	50.4	74.0	-23.6	Peak	Horizontal
	8378.0	38.5	12.3	50.8	74.0	-23.2	Peak	Horizontal
*	8888.0	37.8	14.2	52.0	68.2	-16.2	Peak	Horizontal
*	9814.5	35.6	16.8	52.4	68.2	-15.8	Peak	Horizontal
	7485.5	38.2	11.8	50.0	74.0	-24.0	Peak	Vertical
	8165.5	37.4	12.4	49.8	74.0	-24.2	Peak	Vertical
*	8692.5	36.8	14.0	50.8	68.2	-17.4	Peak	Vertical
*	9814.5	36.4	16.8	53.2	68.2	-15.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	52
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	38.7	11.6	50.3	74.0	-23.7	Peak	Horizontal
*	7936.0	38.6	12.5	51.1	68.2	-17.1	Peak	Horizontal
	8352.5	39.8	12.3	52.1	74.0	-21.9	Peak	Horizontal
*	8658.5	38.5	13.7	52.2	68.2	-16.0	Peak	Horizontal
	7681.0	38.9	11.6	50.5	74.0	-23.5	Peak	Vertical
*	7885.0	38.6	12.1	50.7	68.2	-17.5	Peak	Vertical
	8497.0	38.2	12.8	51.0	74.0	-23.0	Peak	Vertical
*	8701.0	38.0	14.0	52.0	68.2	-16.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	60
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	38.5	11.9	50.4	74.0	-23.6	Peak	Horizontal
	8250.5	39.8	12.2	52.0	74.0	-22.0	Peak	Horizontal
*	8786.0	39.1	14.1	53.2	68.2	-15.0	Peak	Horizontal
*	10596.5	39.4	17.5	56.9	68.2	-11.3	Peak	Horizontal
	7366.5	39.1	11.9	51.0	74.0	-23.0	Peak	Vertical
*	7910.5	40.4	12.2	52.6	68.2	-15.6	Peak	Vertical
	8259.0	38.4	12.3	50.7	74.0	-23.3	Peak	Vertical
*	10443.5	38.7	17.7	56.4	68.2	-11.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	64
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	35.6	11.8	47.4	74.0	-26.6	Peak	Horizontal
	8165.5	37.2	12.4	49.6	74.0	-24.4	Peak	Horizontal
*	8786.0	36.7	14.1	50.8	68.2	-17.4	Peak	Horizontal
*	10537.0	35.6	17.7	53.3	68.2	-14.9	Peak	Horizontal
	7613.0	35.8	11.8	47.6	74.0	-26.4	Peak	Vertical
	8199.5	37.1	12.4	49.5	74.0	-24.5	Peak	Vertical
*	8743.5	36.9	14.1	51.0	68.2	-17.2	Peak	Vertical
*	10520.0	36.9	17.6	54.5	68.2	-13.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	100
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
	8191.0	37.0	12.4	49.4	74.0	-24.6	Peak	Horizontal
*	8743.5	38.0	14.1	52.1	68.2	-16.1	Peak	Horizontal
*	9908.0	37.7	16.9	54.6	68.2	-13.6	Peak	Horizontal
	11000.0	38.8	18.1	56.9	74.0	-17.1	Peak	Horizontal
	11000.0	33.9	18.1	52.0	54.0	-2.0	Average	Horizontal
	7698.0	38.8	11.7	50.5	74.0	-23.5	Peak	Vertical
	8412.0	37.2	12.3	49.5	74.0	-24.5	Peak	Vertical
*	8709.5	37.8	13.9	51.7	68.2	-16.5	Peak	Vertical
	11455.0	38.8	17.7	56.5	74.0	-17.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	120
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
	8157.0	38.3	12.5	50.8	74.0	-23.2	Peak	Horizontal
*	8667.0	38.4	13.8	52.2	68.2	-16.0	Peak	Horizontal
	9168.5	36.0	15.3	51.3	74.0	-22.7	Peak	Horizontal
*	9602.0	37.0	16.2	53.2	68.2	-15.0	Peak	Horizontal
	7434.5	38.1	11.9	50.0	74.0	-24.0	Peak	Vertical
*	7893.5	38.4	12.1	50.5	68.2	-17.7	Peak	Vertical
	8437.5	38.1	12.7	50.8	74.0	-23.2	Peak	Vertical
*	8658.5	37.3	13.7	51.0	68.2	-17.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	37.9	12.0	49.9	74.0	-24.1	Peak	Horizontal
*	7953.0	38.0	12.5	50.5	68.2	-17.7	Peak	Horizontal
	8471.5	39.2	12.7	51.9	74.0	-22.1	Peak	Horizontal
*	8692.5	38.9	14.0	52.9	68.2	-15.3	Peak	Horizontal
	7451.5	37.9	12.0	49.9	74.0	-24.1	Peak	Vertical
*	7817.0	38.3	11.8	50.1	68.2	-18.1	Peak	Vertical
	8225.0	38.5	12.4	50.9	74.0	-23.1	Peak	Vertical
*	8760.5	37.2	14.2	51.4	68.2	-16.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	144
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
	7528.0	38.5	11.8	50.3	74.0	-23.7	Peak	Horizontal
	8140.0	38.4	12.4	50.8	74.0	-23.2	Peak	Horizontal
*	8599.0	37.4	13.4	50.8	68.2	-17.4	Peak	Horizontal
*	9772.0	35.4	16.7	52.1	68.2	-16.1	Peak	Horizontal
	7664.0	38.9	11.4	50.3	74.0	-23.7	Peak	Vertical
	8437.5	38.4	12.7	51.1	74.0	-22.9	Peak	Vertical
*	8922.0	37.7	14.3	52.0	68.2	-16.2	Peak	Vertical
*	9823.0	36.3	16.9	53.2	68.2	-15.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	54
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	38.2	11.9	50.1	74.0	-23.9	Peak	Horizontal
*	7953.0	38.6	12.5	51.1	68.2	-17.1	Peak	Horizontal
	8199.5	38.6	12.4	51.0	74.0	-23.0	Peak	Horizontal
*	8820.0	37.7	14.3	52.0	68.2	-16.2	Peak	Horizontal
	7366.5	38.7	11.9	50.6	74.0	-23.4	Peak	Vertical
*	7927.5	37.5	12.4	49.9	68.2	-18.3	Peak	Vertical
	8225.0	38.4	12.4	50.8	74.0	-23.2	Peak	Vertical
*	8641.5	37.8	13.6	51.4	68.2	-16.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	62
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
	7613.0	37.5	11.8	49.3	74.0	-24.7	Peak	Horizontal
*	7927.5	38.3	12.4	50.7	68.2	-17.5	Peak	Horizontal
	8157.0	39.5	12.5	52.0	74.0	-22.0	Peak	Horizontal
*	8633.0	39.2	13.5	52.7	68.2	-15.5	Peak	Horizontal
	7613.0	37.5	11.8	49.3	74.0	-24.7	Peak	Vertical
*	7927.5	38.3	12.4	50.7	68.2	-17.5	Peak	Vertical
	8157.0	39.5	12.5	52.0	74.0	-22.0	Peak	Vertical
*	8633.0	39.2	13.5	52.7	68.2	-15.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	38.9	12.0	50.9	74.0	-23.1	Peak	Horizontal
*	7910.5	37.5	12.2	49.7	68.2	-18.5	Peak	Horizontal
	8233.5	38.2	12.3	50.5	74.0	-23.5	Peak	Horizontal
*	8692.5	38.1	14.0	52.1	68.2	-16.1	Peak	Horizontal
	7689.5	37.9	11.6	49.5	74.0	-24.5	Peak	Vertical
*	7885.0	37.4	12.1	49.5	68.2	-18.7	Peak	Vertical
	8259.0	38.6	12.3	50.9	74.0	-23.1	Peak	Vertical
*	8692.5	37.2	14.0	51.2	68.2	-17.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	118
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	38.6	11.8	50.4	74.0	-23.6	Peak	Horizontal
*	7978.5	38.3	12.4	50.7	68.2	-17.5	Peak	Horizontal
	8437.5	37.8	12.7	50.5	74.0	-23.5	Peak	Horizontal
*	8692.5	37.1	14.0	51.1	68.2	-17.1	Peak	Horizontal
	7417.5	37.4	11.8	49.2	74.0	-24.8	Peak	Vertical
*	7987.0	38.0	12.4	50.4	68.2	-17.8	Peak	Vertical
	8174.0	38.4	12.4	50.8	74.0	-23.2	Peak	Vertical
*	8667.0	37.2	13.8	51.0	68.2	-17.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	134
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	39.0	11.8	50.8	74.0	-23.2	Peak	Horizontal
*	7987.0	38.7	12.4	51.1	68.2	-17.1	Peak	Horizontal
	8157.0	38.6	12.5	51.1	74.0	-22.9	Peak	Horizontal
*	8828.5	36.7	14.3	51.0	68.2	-17.2	Peak	Horizontal
	7485.5	39.0	11.8	50.8	74.0	-23.2	Peak	Vertical
*	7987.0	38.7	12.4	51.1	68.2	-17.1	Peak	Vertical
	8157.0	38.6	12.5	51.1	74.0	-22.9	Peak	Vertical
*	8726.5	37.9	13.9	51.8	68.2	-16.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	142
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
	7647.0	36.0	11.4	47.4	74.0	-26.6	Peak	Horizontal
*	7842.5	36.4	11.9	48.3	68.2	-19.9	Peak	Horizontal
	8344.0	37.9	12.2	50.1	74.0	-23.9	Peak	Horizontal
*	8820.0	37.0	14.3	51.3	68.2	-16.9	Peak	Horizontal
	7587.5	37.5	11.7	49.2	74.0	-24.8	Peak	Vertical
*	7961.5	37.4	12.4	49.8	68.2	-18.4	Peak	Vertical
	8395.0	37.4	12.4	49.8	74.0	-24.2	Peak	Vertical
*	8735.0	37.2	14.0	51.2	68.2	-17.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	52
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	37.8	11.8	49.6	74.0	-24.4	Peak	Horizontal
*	7936.0	37.5	12.5	50.0	68.2	-18.2	Peak	Horizontal
	8276.0	38.3	12.3	50.6	74.0	-23.4	Peak	Horizontal
*	8709.5	36.3	13.9	50.2	68.2	-18.0	Peak	Horizontal
	7706.5	38.4	11.6	50.0	74.0	-24.0	Peak	Vertical
*	7868.0	37.8	12.1	49.9	68.2	-18.3	Peak	Vertical
	8165.5	38.5	12.4	50.9	74.0	-23.1	Peak	Vertical
*	8760.5	37.0	14.2	51.2	68.2	-17.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	60
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
	7647.0	37.2	11.4	48.6	74.0	-25.4	Peak	Horizontal
*	7919.0	37.2	12.3	49.5	68.2	-18.7	Peak	Horizontal
	8182.5	37.8	12.4	50.2	74.0	-23.8	Peak	Horizontal
*	8752.0	36.9	14.2	51.1	68.2	-17.1	Peak	Horizontal
	7545.0	36.7	11.7	48.4	74.0	-25.6	Peak	Vertical
*	7868.0	37.5	12.1	49.6	68.2	-18.6	Peak	Vertical
	8165.5	37.0	12.4	49.4	74.0	-24.6	Peak	Vertical
*	8692.5	36.8	14.0	50.8	68.2	-17.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	64
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	37.5	11.9	49.4	74.0	-24.6	Peak	Horizontal
*	7859.5	38.2	12.0	50.2	68.2	-18.0	Peak	Horizontal
	8157.0	38.1	12.5	50.6	74.0	-23.4	Peak	Horizontal
*	8862.5	36.8	14.4	51.2	68.2	-17.0	Peak	Horizontal
	7494.0	37.6	11.8	49.4	74.0	-24.6	Peak	Vertical
*	7995.5	37.6	12.5	50.1	68.2	-18.1	Peak	Vertical
	8208.0	36.5	12.3	48.8	74.0	-25.2	Peak	Vertical
*	8667.0	37.4	13.8	51.2	68.2	-17.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	100
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	38.3	11.8	50.1	74.0	-23.9	Peak	Horizontal
*	7927.5	37.9	12.4	50.3	68.2	-17.9	Peak	Horizontal
	8191.0	38.0	12.4	50.4	74.0	-23.6	Peak	Horizontal
*	8709.5	37.4	13.9	51.3	68.2	-16.9	Peak	Horizontal
	7409.0	37.9	11.8	49.7	74.0	-24.3	Peak	Vertical
*	7953.0	37.8	12.5	50.3	68.2	-17.9	Peak	Vertical
	8199.5	37.5	12.4	49.9	74.0	-24.1	Peak	Vertical
*	8905.0	37.7	14.2	51.9	68.2	-16.3	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	120
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	37.9	11.9	49.8	74.0	-24.2	Peak	Horizontal
*	7868.0	37.1	12.1	49.2	68.2	-19.0	Peak	Horizontal
	8437.5	37.8	12.7	50.5	74.0	-23.5	Peak	Horizontal
*	8650.0	37.1	13.7	50.8	68.2	-17.4	Peak	Horizontal
	7485.5	38.1	11.8	49.9	74.0	-24.1	Peak	Vertical
*	7995.5	37.7	12.5	50.2	68.2	-18.0	Peak	Vertical
	8497.0	38.1	12.8	50.9	74.0	-23.1	Peak	Vertical
*	8667.0	36.9	13.8	50.7	68.2	-17.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	140
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
	7358.0	38.2	11.9	50.1	74.0	-23.9	Peak	Horizontal
*	7978.5	38.7	12.4	51.1	68.2	-17.1	Peak	Horizontal
	8165.5	38.7	12.4	51.1	74.0	-22.9	Peak	Horizontal
*	8607.5	37.6	13.4	51.0	68.2	-17.2	Peak	Horizontal
	7596.0	38.0	11.8	49.8	74.0	-24.2	Peak	Vertical
*	7953.0	38.5	12.5	51.0	68.2	-17.2	Peak	Vertical
	8429.0	38.2	12.7	50.9	74.0	-23.1	Peak	Vertical
*	8658.5	36.3	13.7	50.0	68.2	-18.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	144
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	38.8	11.7	50.5	74.0	-23.5	Peak	Horizontal
*	7902.0	38.0	12.1	50.1	68.2	-18.1	Peak	Horizontal
	8148.5	38.6	12.5	51.1	74.0	-22.9	Peak	Horizontal
*	8777.5	37.3	14.1	51.4	68.2	-16.8	Peak	Horizontal
	7596.0	38.8	11.8	50.6	74.0	-23.4	Peak	Vertical
*	8004.0	37.6	12.5	50.1	68.2	-18.1	Peak	Vertical
	8191.0	38.2	12.4	50.6	74.0	-23.4	Peak	Vertical
*	8760.5	36.9	14.2	51.1	68.2	-17.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	54
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
	7664.0	38.4	11.4	49.8	74.0	-24.2	Peak	Horizontal
*	7859.5	37.3	12.0	49.3	68.2	-18.9	Peak	Horizontal
	8293.0	37.9	12.1	50.0	74.0	-24.0	Peak	Horizontal
*	8743.5	36.7	14.1	50.8	68.2	-17.4	Peak	Horizontal
	7494.0	37.6	11.8	49.4	74.0	-24.6	Peak	Vertical
*	7927.5	38.1	12.4	50.5	68.2	-17.7	Peak	Vertical
	8395.0	38.1	12.4	50.5	74.0	-23.5	Peak	Vertical
*	8658.5	37.0	13.7	50.7	68.2	-17.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	62
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
	7366.5	38.4	11.9	50.3	74.0	-23.7	Peak	Horizontal
*	7919.0	37.3	12.3	49.6	68.2	-18.6	Peak	Horizontal
	8140.0	38.1	12.4	50.5	74.0	-23.5	Peak	Horizontal
*	8624.5	36.5	13.5	50.0	68.2	-18.2	Peak	Horizontal
	7647.0	38.1	11.4	49.5	74.0	-24.5	Peak	Vertical
*	7876.5	37.2	12.1	49.3	68.2	-18.9	Peak	Vertical
	8395.0	37.2	12.4	49.6	74.0	-24.4	Peak	Vertical
*	8786.0	36.4	14.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	102
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	37.5	11.9	49.4	74.0	-24.6	Peak	Horizontal
*	7893.5	38.6	12.1	50.7	68.2	-17.5	Peak	Horizontal
	8301.5	38.3	12.2	50.5	74.0	-23.5	Peak	Horizontal
*	8701.0	36.9	14.0	50.9	68.2	-17.3	Peak	Horizontal
	7715.0	39.3	11.4	50.7	74.0	-23.3	Peak	Vertical
*	7995.5	38.6	12.5	51.1	68.2	-17.1	Peak	Vertical
	8182.5	38.3	12.4	50.7	74.0	-23.3	Peak	Vertical
*	8701.0	36.9	14.0	50.9	68.2	-17.3	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	118
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
	7528.0	37.7	11.8	49.5	74.0	-24.5	Peak	Horizontal
*	7961.5	38.3	12.4	50.7	68.2	-17.5	Peak	Horizontal
	8335.5	37.7	12.2	49.9	74.0	-24.1	Peak	Horizontal
*	8709.5	36.7	13.9	50.6	68.2	-17.6	Peak	Horizontal
	7451.5	38.2	12.0	50.2	74.0	-23.8	Peak	Vertical
*	7927.5	37.6	12.4	50.0	68.2	-18.2	Peak	Vertical
	8310.0	38.0	12.2	50.2	74.0	-23.8	Peak	Vertical
*	8854.0	36.0	14.4	50.4	68.2	-17.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	134
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
	7672.5	38.6	11.5	50.1	74.0	-23.9	Peak	Horizontal
*	7927.5	39.0	12.4	51.4	68.2	-16.8	Peak	Horizontal
	8429.0	37.8	12.7	50.5	74.0	-23.5	Peak	Horizontal
*	8701.0	38.0	14.0	52.0	68.2	-16.2	Peak	Horizontal
	7434.5	37.4	11.9	49.3	74.0	-24.7	Peak	Vertical
*	7944.5	37.5	12.5	50.0	68.2	-18.2	Peak	Vertical
	8174.0	37.9	12.4	50.3	74.0	-23.7	Peak	Vertical
*	8531.0	37.4	13.0	50.4	68.2	-17.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	142
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	38.2	11.8	50.0	74.0	-24.0	Peak	Horizontal
*	7927.5	37.8	12.4	50.2	68.2	-18.0	Peak	Horizontal
	8089.0	37.8	12.7	50.5	74.0	-23.5	Peak	Horizontal
*	8862.5	37.0	14.4	51.4	68.2	-16.8	Peak	Horizontal
	7545.0	36.8	11.7	48.5	74.0	-25.5	Peak	Vertical
*	7910.5	38.3	12.2	50.5	68.2	-17.7	Peak	Vertical
	8480.0	37.7	12.8	50.5	74.0	-23.5	Peak	Vertical
*	8658.5	36.5	13.7	50.2	68.2	-18.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	58
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	38.3	11.6	49.9	74.0	-24.1	Peak	Horizontal
*	7936.0	38.1	12.5	50.6	68.2	-17.6	Peak	Horizontal
	8157.0	38.0	12.5	50.5	74.0	-23.5	Peak	Horizontal
*	8786.0	37.6	14.1	51.7	68.2	-16.5	Peak	Horizontal
	7417.5	38.1	11.8	49.9	74.0	-24.1	Peak	Vertical
*	7978.5	38.1	12.4	50.5	68.2	-17.7	Peak	Vertical
	8420.5	38.0	12.5	50.5	74.0	-23.5	Peak	Vertical
*	8650.0	36.3	13.7	50.0	68.2	-18.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	106
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	37.3	11.9	49.2	74.0	-24.8	Peak	Horizontal
*	7953.0	37.1	12.5	49.6	68.2	-18.6	Peak	Horizontal
	8267.5	37.8	12.3	50.1	74.0	-23.9	Peak	Horizontal
*	8769.0	36.9	14.2	51.1	68.2	-17.1	Peak	Horizontal
	7451.5	39.2	12.0	51.2	74.0	-22.8	Peak	Vertical
*	7970.0	38.4	12.4	50.8	68.2	-17.4	Peak	Vertical
	8140.0	37.8	12.4	50.2	74.0	-23.8	Peak	Vertical
*	8828.5	36.8	14.3	51.1	68.2	-17.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	37.9	12.0	49.9	74.0	-24.1	Peak	Horizontal
*	8021.0	39.1	12.6	51.7	68.2	-16.5	Peak	Horizontal
	8378.0	38.3	12.3	50.6	74.0	-23.4	Peak	Horizontal
*	8616.0	37.3	13.5	50.8	68.2	-17.4	Peak	Horizontal
	7570.5	35.6	11.7	47.3	74.0	-26.7	Peak	Vertical
*	7808.5	36.9	11.7	48.6	68.2	-19.6	Peak	Vertical
	8182.5	38.2	12.4	50.6	74.0	-23.4	Peak	Vertical
*	8658.5	35.2	13.7	48.9	68.2	-19.3	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	138
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
	7307.0	37.9	11.7	49.6	74.0	-24.4	Peak	Horizontal
*	7970.0	38.9	12.4	51.3	68.2	-16.9	Peak	Horizontal
	8420.5	37.9	12.5	50.4	74.0	-23.6	Peak	Horizontal
*	8803.0	37.8	14.2	52.0	68.2	-16.2	Peak	Horizontal
	7706.5	39.2	11.6	50.8	74.0	-23.2	Peak	Vertical
*	7970.0	38.3	12.4	50.7	68.2	-17.5	Peak	Vertical
	8276.0	38.0	12.3	50.3	74.0	-23.7	Peak	Vertical
*	8624.5	36.9	13.5	50.4	68.2	-17.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	42+58
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
*	7052.0	46.3	10.9	57.2	68.2	-11.0	Peak	Horizontal
	8072.0	38.9	12.5	51.4	74.0	-22.6	Peak	Horizontal
*	9177.0	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
	10528.5	36.8	17.7	54.5	68.2	-13.7	Peak	Horizontal
*	7052.0	54.6	10.9	65.5	68.2	-2.7	Peak	Vertical
	7706.5	36.4	11.6	48.0	74.0	-26.0	Peak	Vertical
*	9364.0	36.6	16.0	52.6	74.0	-21.4	Peak	Vertical
	10579.5	39.6	17.6	57.2	68.2	-11.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	106+122
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	37.9	11.8	49.7	74.0	-24.3	Peak	Horizontal
	8233.5	38.4	12.3	50.7	74.0	-23.3	Peak	Horizontal
*	8922.0	38.2	14.3	52.5	68.2	-15.7	Peak	Horizontal
*	9763.5	36.6	16.7	53.3	68.2	-14.9	Peak	Horizontal
*	7162.5	37.4	11.5	48.9	68.2	-19.3	Peak	Vertical
	7477.0	41.2	11.7	52.9	74.0	-21.1	Peak	Vertical
	7479.9	38.1	11.8	49.9	54.0	-4.1	Average	Vertical
*	8879.5	37.4	14.2	51.6	68.2	-16.6	Peak	Vertical
	11217.0	39.0	17.4	56.4	74.0	-17.6	Peak	Vertical
	11219.9	36.1	17.4	53.5	54.0	-0.5	Average	Vertical

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

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

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

Product	GigaSpire	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	38.0	12.0	50.0	74.0	-24.0	Peak	Horizontal
*	7910.5	37.8	12.2	50.0	68.2	-18.2	Peak	Horizontal
	8165.5	38.0	12.4	50.4	74.0	-23.6	Peak	Horizontal
*	8701.0	37.7	14.0	51.7	68.2	-16.5	Peak	Horizontal
	7366.5	38.5	11.9	50.4	74.0	-23.6	Peak	Vertical
*	7961.5	38.3	12.4	50.7	68.2	-17.5	Peak	Vertical
	8369.5	38.2	12.3	50.5	74.0	-23.5	Peak	Vertical
*	8692.5	37.0	14.0	51.0	68.2	-17.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	60
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
	7613.0	37.8	11.8	49.6	74.0	-24.4	Peak	Horizontal
*	7953.0	37.2	12.5	49.7	68.2	-18.5	Peak	Horizontal
	8480.0	36.9	12.8	49.7	74.0	-24.3	Peak	Horizontal
*	8709.5	36.8	13.9	50.7	68.2	-17.5	Peak	Horizontal
	7613.0	37.9	11.8	49.7	74.0	-24.3	Peak	Vertical
*	7885.0	36.7	12.1	48.8	68.2	-19.4	Peak	Vertical
	8361.0	37.4	12.4	49.8	74.0	-24.2	Peak	Vertical
*	8624.5	37.3	13.5	50.8	68.2	-17.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7698.0	39.2	11.7	50.9	74.0	-23.1	Peak	Horizontal
*	7944.5	37.8	12.5	50.3	68.2	-17.9	Peak	Horizontal
	8497.0	37.9	12.8	50.7	74.0	-23.3	Peak	Horizontal
*	8956.0	38.0	14.2	52.2	68.2	-16.0	Peak	Horizontal
	7400.5	37.2	11.8	49.0	74.0	-25.0	Peak	Vertical
*	7834.0	38.3	11.9	50.2	68.2	-18.0	Peak	Vertical
	8063.5	39.5	12.6	52.1	74.0	-21.9	Peak	Vertical
*	8692.5	37.7	14.0	51.7	68.2	-16.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	100
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
	7349.5	37.9	11.9	49.8	74.0	-24.2	Peak	Horizontal
*	7902.0	38.9	12.1	51.0	68.2	-17.2	Peak	Horizontal
	8386.5	37.2	12.4	49.6	74.0	-24.4	Peak	Horizontal
*	8752.0	37.1	14.2	51.3	68.2	-16.9	Peak	Horizontal
	7485.5	38.3	11.8	50.1	74.0	-23.9	Peak	Vertical
*	7876.5	36.9	12.1	49.0	68.2	-19.2	Peak	Vertical
	8165.5	37.7	12.4	50.1	74.0	-23.9	Peak	Vertical
*	8701.0	36.8	14.0	50.8	68.2	-17.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	120
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	38.5	11.9	50.4	74.0	-23.6	Peak	Horizontal
	7995.5	38.5	12.5	51.0	68.2	-17.2	Peak	Horizontal
	8157.0	38.2	12.5	50.7	74.0	-23.3	Peak	Horizontal
*	8769.0	37.4	14.2	51.6	68.2	-16.6	Peak	Horizontal
	7375.0	39.1	11.9	51.0	74.0	-23.0	Peak	Vertical
*	7953.0	38.4	12.5	50.9	68.2	-17.3	Peak	Vertical
	8480.0	38.4	12.8	51.2	74.0	-22.8	Peak	Vertical
*	8760.5	37.2	14.2	51.4	68.2	-16.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	140
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
	7366.5	37.9	11.9	49.8	74.0	-24.2	Peak	Horizontal
*	7910.5	37.7	12.2	49.9	68.2	-18.3	Peak	Horizontal
	8140.0	38.1	12.4	50.5	74.0	-23.5	Peak	Horizontal
*	8828.5	37.2	14.3	51.5	68.2	-16.7	Peak	Horizontal
	7698.0	38.8	11.7	50.5	74.0	-23.5	Peak	Vertical
*	7919.0	38.2	12.3	50.5	68.2	-17.7	Peak	Vertical
	8403.5	37.5	12.4	49.9	74.0	-24.1	Peak	Vertical
*	8624.5	36.9	13.5	50.4	68.2	-17.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	144
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	37.4	11.8	49.2	74.0	-24.8	Peak	Horizontal
*	7944.5	37.2	12.5	49.7	68.2	-18.5	Peak	Horizontal
	8420.5	37.9	12.5	50.4	74.0	-23.6	Peak	Horizontal
*	8658.5	37.0	13.7	50.7	68.2	-17.5	Peak	Horizontal
	7545.0	37.2	11.7	48.9	74.0	-25.1	Peak	Vertical
*	7859.5	37.2	12.0	49.2	68.2	-19.0	Peak	Vertical
	8395.0	38.5	12.4	50.9	74.0	-23.1	Peak	Vertical
*	8760.5	36.7	14.2	50.9	68.2	-17.3	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	54
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
	7392.0	37.9	11.8	49.7	74.0	-24.3	Peak	Horizontal
*	8004.0	38.0	12.5	50.5	68.2	-17.7	Peak	Horizontal
	8471.5	37.2	12.7	49.9	74.0	-24.1	Peak	Horizontal
*	8582.0	38.0	13.2	51.2	68.2	-17.0	Peak	Horizontal
	7409.0	37.8	11.8	49.6	74.0	-24.4	Peak	Vertical
*	7817.0	37.7	11.8	49.5	68.2	-18.7	Peak	Vertical
	8114.5	38.2	12.6	50.8	74.0	-23.2	Peak	Vertical
*	8701.0	37.7	14.0	51.7	68.2	-16.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	62
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
	7579.0	36.7	11.6	48.3	74.0	-25.7	Peak	Horizontal
*	7842.5	36.2	11.9	48.1	68.2	-20.1	Peak	Horizontal
	8131.5	36.9	12.5	49.4	74.0	-24.6	Peak	Horizontal
*	8692.5	35.6	14.0	49.6	68.2	-18.6	Peak	Horizontal
	7494.0	37.5	11.8	49.3	74.0	-24.7	Peak	Vertical
*	7885.0	37.0	12.1	49.1	68.2	-19.1	Peak	Vertical
	8463.0	37.6	12.5	50.1	74.0	-23.9	Peak	Vertical
*	8675.5	36.6	13.8	50.4	68.2	-17.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	102
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	37.5	11.8	49.3	74.0	-24.7	Peak	Horizontal
*	7919.0	36.9	12.3	49.2	68.2	-19.0	Peak	Horizontal
	8225.0	37.5	12.4	49.9	74.0	-24.1	Peak	Horizontal
*	8726.5	37.2	13.9	51.1	68.2	-17.1	Peak	Horizontal
	7485.5	37.5	11.8	49.3	74.0	-24.7	Peak	Vertical
*	7893.5	36.8	12.1	48.9	68.2	-19.3	Peak	Vertical
	8242.0	37.7	12.2	49.9	74.0	-24.1	Peak	Vertical
*	8769.0	37.3	14.2	51.5	68.2	-16.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	118
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	37.7	11.6	49.3	74.0	-24.7	Peak	Horizontal
*	7902.0	36.8	12.1	48.9	68.2	-19.3	Peak	Horizontal
	8157.0	38.0	12.5	50.5	74.0	-23.5	Peak	Horizontal
*	8692.5	38.3	14.0	52.3	68.2	-15.9	Peak	Horizontal
	7545.0	37.5	11.7	49.2	74.0	-24.8	Peak	Vertical
*	7817.0	37.9	11.8	49.7	68.2	-18.5	Peak	Vertical
	8352.5	37.6	12.3	49.9	74.0	-24.1	Peak	Vertical
*	8956.0	37.6	14.2	51.8	68.2	-16.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7383.5	38.2	11.8	50.0	74.0	-24.0	Peak	Horizontal
*	7851.0	36.7	11.9	48.6	68.2	-19.6	Peak	Horizontal
	8165.5	36.4	12.4	48.8	74.0	-25.2	Peak	Horizontal
*	8658.5	37.1	13.7	50.8	68.2	-17.4	Peak	Horizontal
	7698.0	37.8	11.7	49.5	74.0	-24.5	Peak	Vertical
*	7944.5	37.4	12.5	49.9	68.2	-18.3	Peak	Vertical
	8335.5	38.6	12.2	50.8	74.0	-23.2	Peak	Vertical
*	8641.5	37.8	13.6	51.4	68.2	-16.8	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	142
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
	7630.0	38.0	11.5	49.5	74.0	-24.5	Peak	Horizontal
*	7842.5	37.7	11.9	49.6	68.2	-18.6	Peak	Horizontal
	8310.0	38.4	12.2	50.6	74.0	-23.4	Peak	Horizontal
*	8658.5	36.7	13.7	50.4	68.2	-17.8	Peak	Horizontal
	7468.5	38.0	11.8	49.8	74.0	-24.2	Peak	Vertical
*	7859.5	38.9	12.0	50.9	68.2	-17.3	Peak	Vertical
	8089.0	38.1	12.7	50.8	74.0	-23.2	Peak	Vertical
*	8667.0	37.0	13.8	50.8	68.2	-17.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	58
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	38.1	11.9	50.0	74.0	-24.0	Peak	Horizontal
*	7978.5	38.1	12.4	50.5	68.2	-17.7	Peak	Horizontal
	8148.5	38.5	12.5	51.0	74.0	-23.0	Peak	Horizontal
*	8726.5	37.2	13.9	51.1	68.2	-17.1	Peak	Horizontal
	7613.0	38.9	11.8	50.7	74.0	-23.3	Peak	Vertical
*	7851.0	37.8	11.9	49.7	68.2	-18.5	Peak	Vertical
	8089.0	38.4	12.7	51.1	74.0	-22.9	Peak	Vertical
*	8794.5	36.8	14.2	51.0	68.2	-17.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	37.3	12.0	49.3	74.0	-24.7	Peak	Horizontal
*	7842.5	36.6	11.9	48.5	68.2	-19.7	Peak	Horizontal
	8386.5	36.9	12.4	49.3	74.0	-24.7	Peak	Horizontal
*	8701.0	36.3	14.0	50.3	68.2	-17.9	Peak	Horizontal
	7443.0	37.0	12.1	49.1	74.0	-24.9	Peak	Vertical
*	7919.0	39.3	12.3	51.6	68.2	-16.6	Peak	Vertical
	8420.5	37.5	12.5	50.0	74.0	-24.0	Peak	Vertical
*	8760.5	35.7	14.2	49.9	68.2	-18.3	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	122
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
	7366.5	37.4	11.9	49.3	74.0	-24.7	Peak	Horizontal
*	7961.5	37.5	12.4	49.9	68.2	-18.3	Peak	Horizontal
	8250.5	37.4	12.2	49.6	74.0	-24.4	Peak	Horizontal
*	8658.5	36.2	13.7	49.9	68.2	-18.3	Peak	Horizontal
	7315.5	38.8	11.6	50.4	74.0	-23.6	Peak	Vertical
*	7919.0	37.3	12.3	49.6	68.2	-18.6	Peak	Vertical
	8293.0	37.6	12.1	49.7	74.0	-24.3	Peak	Vertical
*	8590.5	37.0	13.3	50.3	68.2	-17.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	138
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
	7349.5	37.4	11.9	49.3	74.0	-24.7	Peak	Horizontal
*	7927.5	37.4	12.4	49.8	68.2	-18.4	Peak	Horizontal
	8148.5	37.4	12.5	49.9	74.0	-24.1	Peak	Horizontal
*	8743.5	37.3	14.1	51.4	68.2	-16.8	Peak	Horizontal
	7485.5	38.0	11.8	49.8	74.0	-24.2	Peak	Vertical
*	7885.0	36.9	12.1	49.0	68.2	-19.2	Peak	Vertical
	8140.0	38.3	12.4	50.7	74.0	-23.3	Peak	Vertical
*	8820.0	36.9	14.3	51.2	68.2	-17.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/31
Test Mode:	802.11ax-HE80+80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	42+58
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
*	7052.0	45.9	10.9	56.8	68.2	-11.4	Peak	Horizontal
	8046.5	38.2	12.6	50.8	74.0	-23.2	Peak	Horizontal
*	8641.5	37.2	13.6	50.8	68.2	-17.4	Peak	Horizontal
	9092.0	36.1	14.8	50.9	74.0	-23.1	Peak	Horizontal
*	7052.0	54.0	10.9	64.9	68.2	-3.3	Peak	Vertical
	7732.0	38.1	11.4	49.5	74.0	-24.5	Peak	Vertical
	8276.0	36.8	12.3	49.1	74.0	-24.9	Peak	Vertical
*	10579.5	39.4	17.6	57.0	68.2	-11.2	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/31
Test Mode:	802.11ax-HE80+80 - Ant 0 + 1 + 2 + 3 (Non Beam-Forming mode)	Test Channel:	106+122
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	37.9	11.8	49.7	74.0	-24.3	Peak	Horizontal
*	7876.5	38.1	12.1	50.2	68.2	-18.0	Peak	Horizontal
	8242.0	37.3	12.2	49.5	74.0	-24.5	Peak	Horizontal
*	8769.0	36.1	14.2	50.3	68.2	-17.9	Peak	Horizontal
	7477.0	41.2	11.7	52.9	74.0	-21.1	Peak	Vertical
	7477.0	37.9	11.7	49.6	54.0	-4.4	Average	Vertical
*	7944.5	37.6	12.5	50.1	68.2	-18.1	Peak	Vertical
*	10588.0	37.6	17.5	55.1	68.2	-13.1	Peak	Vertical
	11217.0	38.4	17.4	55.8	74.0	-18.2	Peak	Vertical
	11219.7	36.0	17.4	53.4	54.0	-0.6	Average	Vertical

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

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

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

Product	GigaSpire	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	52
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
*	7120.0	37.7	11.3	49.0	68.2	-19.2	Peak	Horizontal
	7468.5	37.8	11.8	49.6	74.0	-24.4	Peak	Horizontal
*	7936.0	37.8	12.5	50.3	68.2	-17.9	Peak	Horizontal
	8199.5	37.9	12.4	50.3	74.0	-23.7	Peak	Horizontal
*	6440.0	39.5	9.2	48.7	68.2	-19.5	Peak	Vertical
	7477.0	38.0	11.7	49.7	74.0	-24.3	Peak	Vertical
*	7944.5	37.9	12.5	50.4	68.2	-17.8	Peak	Vertical
	8114.5	39.4	12.6	52.0	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	60
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	38.0	11.9	49.9	74.0	-24.1	Peak	Horizontal
	8284.5	37.7	12.2	49.9	74.0	-24.1	Peak	Horizontal
*	8650.0	37.3	13.7	51.0	68.2	-17.2	Peak	Horizontal
*	9279.0	35.8	15.8	51.6	68.2	-16.6	Peak	Horizontal
*	6907.5	40.0	10.2	50.2	68.2	-18.0	Peak	Vertical
	7536.5	37.5	11.8	49.3	74.0	-24.7	Peak	Vertical
*	8004.0	39.2	12.5	51.7	68.2	-16.5	Peak	Vertical
	8089.0	37.2	12.7	49.9	74.0	-24.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7060.5	39.4	11.0	50.4	68.2	-17.8	Peak	Horizontal
	7426.0	37.8	11.8	49.6	74.0	-24.4	Peak	Horizontal
*	7902.0	38.3	12.1	50.4	68.2	-17.8	Peak	Horizontal
	8165.5	38.2	12.4	50.6	74.0	-23.4	Peak	Horizontal
	7451.5	38.1	12.0	50.1	74.0	-23.9	Peak	Vertical
	8038.0	37.9	12.6	50.5	74.0	-23.5	Peak	Vertical
*	8786.0	36.6	14.1	50.7	68.2	-17.5	Peak	Vertical
*	9262.0	35.5	15.8	51.3	68.2	-16.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	36.0	11.8	47.8	74.0	-26.2	Peak	Horizontal
*	7919.0	38.3	12.3	50.6	68.2	-17.6	Peak	Horizontal
	8429.0	37.9	12.7	50.6	74.0	-23.4	Peak	Horizontal
*	8743.5	36.5	14.1	50.6	68.2	-17.6	Peak	Horizontal
*	7154.0	38.5	11.3	49.8	68.2	-18.4	Peak	Vertical
	7749.0	39.3	11.6	50.9	74.0	-23.1	Peak	Vertical
	8233.5	39.2	12.3	51.5	74.0	-22.5	Peak	Vertical
*	8794.5	37.6	14.2	51.8	68.2	-16.4	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	120
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
	7290.0	38.4	11.7	50.1	74.0	-23.9	Peak	Horizontal
*	7885.0	37.4	12.1	49.5	68.2	-18.7	Peak	Horizontal
	8208.0	38.2	12.3	50.5	74.0	-23.5	Peak	Horizontal
*	8862.5	35.8	14.4	50.2	68.2	-18.0	Peak	Horizontal
*	7128.5	38.2	11.3	49.5	68.2	-18.7	Peak	Vertical
	7375.0	37.7	11.9	49.6	74.0	-24.4	Peak	Vertical
	8250.5	38.3	12.2	50.5	74.0	-23.5	Peak	Vertical
*	8735.0	37.6	14.0	51.6	68.2	-16.6	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	140
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
*	7103.0	37.9	11.3	49.2	68.2	-19.0	Peak	Horizontal
	7443.0	36.6	12.1	48.7	74.0	-25.3	Peak	Horizontal
	8276.0	37.0	12.3	49.3	74.0	-24.7	Peak	Horizontal
*	8752.0	38.5	14.2	52.7	68.2	-15.5	Peak	Horizontal
*	7230.5	38.3	11.5	49.8	68.2	-18.4	Peak	Vertical
	7613.0	37.1	11.8	48.9	74.0	-25.1	Peak	Vertical
	8208.0	36.2	12.3	48.5	74.0	-25.5	Peak	Vertical
*	8854.0	34.8	14.4	49.2	68.2	-19.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	144
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	38.0	11.9	49.9	74.0	-24.1	Peak	Horizontal
*	7885.0	38.1	12.1	50.2	68.2	-18.0	Peak	Horizontal
	8480.0	39.2	12.8	52.0	74.0	-22.0	Peak	Horizontal
*	8862.5	37.5	14.4	51.9	68.2	-16.3	Peak	Horizontal
	7502.5	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
	8131.5	37.0	12.5	49.5	74.0	-24.5	Peak	Vertical
*	8641.5	36.6	13.6	50.2	68.2	-18.0	Peak	Vertical
*	9296.0	35.8	15.9	51.7	68.2	-16.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	54
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
*	7222.0	38.5	11.5	50.0	68.2	-18.2	Peak	Horizontal
	7409.0	38.3	11.8	50.1	74.0	-23.9	Peak	Horizontal
*	7995.5	38.6	12.5	51.1	68.2	-17.1	Peak	Horizontal
	8293.0	38.0	12.1	50.1	74.0	-23.9	Peak	Horizontal
*	7103.0	37.4	11.3	48.7	68.2	-19.5	Peak	Vertical
	7460.0	37.3	11.9	49.2	74.0	-24.8	Peak	Vertical
*	8837.0	37.5	14.3	51.8	68.2	-16.4	Peak	Vertical
	11548.5	39.0	17.4	56.4	74.0	-17.6	Peak	Vertical
	11548.5	23.7	17.4	41.1	54.0	-12.9	Average	Vertical

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

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

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

Product	GigaSpire	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	62
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
*	6788.5	38.1	9.8	47.9	68.2	-20.3	Peak	Horizontal
	7443.0	38.2	12.1	50.3	74.0	-23.7	Peak	Horizontal
*	7842.5	36.3	11.9	48.2	68.2	-20.0	Peak	Horizontal
	8165.5	37.8	12.4	50.2	74.0	-23.8	Peak	Horizontal
*	7086.0	37.6	11.3	48.9	68.2	-19.3	Peak	Vertical
	7383.5	37.7	11.8	49.5	74.0	-24.5	Peak	Vertical
*	7944.5	37.7	12.5	50.2	68.2	-18.0	Peak	Vertical
	8225.0	38.0	12.4	50.4	74.0	-23.6	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	102
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
*	7137.0	36.7	11.3	48.0	68.2	-20.2	Peak	Horizontal
	7434.5	37.5	11.9	49.4	74.0	-24.6	Peak	Horizontal
*	7876.5	36.8	12.1	48.9	68.2	-19.3	Peak	Horizontal
	8165.5	38.3	12.4	50.7	74.0	-23.3	Peak	Horizontal
*	7077.5	38.1	11.2	49.3	68.2	-18.9	Peak	Vertical
	7451.5	37.6	12.0	49.6	74.0	-24.4	Peak	Vertical
*	7876.5	36.5	12.1	48.6	68.2	-19.6	Peak	Vertical
	8276.0	36.7	12.3	49.0	74.0	-25.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	118
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
*	7111.5	39.2	11.3	50.5	68.2	-17.7	Peak	Horizontal
	7485.5	37.7	11.8	49.5	74.0	-24.5	Peak	Horizontal
*	7868.0	37.8	12.1	49.9	68.2	-18.3	Peak	Horizontal
	8225.0	38.8	12.4	51.2	74.0	-22.8	Peak	Horizontal
*	6703.5	38.7	9.7	48.4	68.2	-19.8	Peak	Vertical
	7332.5	38.4	11.7	50.1	74.0	-23.9	Peak	Vertical
*	7893.5	37.8	12.1	49.9	68.2	-18.3	Peak	Vertical
	8140.0	38.4	12.4	50.8	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	134
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
*	6525.0	36.2	9.6	45.8	68.2	-22.4	Peak	Horizontal
	7366.5	37.3	11.9	49.2	74.0	-24.8	Peak	Horizontal
*	7859.5	37.7	12.0	49.7	68.2	-18.5	Peak	Horizontal
	8097.5	38.2	12.7	50.9	74.0	-23.1	Peak	Horizontal
*	6831.0	37.5	10.0	47.5	68.2	-20.7	Peak	Vertical
	7256.0	38.2	11.7	49.9	74.0	-24.1	Peak	Vertical
*	7842.5	36.1	11.9	48.0	68.2	-20.2	Peak	Vertical
	8072.0	38.6	12.5	51.1	74.0	-22.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	142
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
*	6533.5	38.2	9.5	47.7	68.2	-20.5	Peak	Horizontal
	7332.5	36.0	11.7	47.7	74.0	-26.3	Peak	Horizontal
*	7995.5	37.9	12.5	50.4	68.2	-17.8	Peak	Horizontal
	8293.0	38.5	12.1	50.6	74.0	-23.4	Peak	Horizontal
*	7001.0	38.2	10.8	49.0	68.2	-19.2	Peak	Vertical
	7307.0	37.5	11.7	49.2	74.0	-24.8	Peak	Vertical
*	7859.5	38.4	12.0	50.4	68.2	-17.8	Peak	Vertical
	8140.0	38.4	12.4	50.8	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	58
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
*	7205.0	36.9	11.5	48.4	68.2	-19.8	Peak	Horizontal
	7400.5	36.4	11.8	48.2	74.0	-25.8	Peak	Horizontal
*	8811.5	37.8	14.3	52.1	68.2	-16.1	Peak	Horizontal
	9100.5	36.2	14.9	51.1	74.0	-22.9	Peak	Horizontal
*	7086.0	37.6	11.3	48.9	68.2	-19.3	Peak	Vertical
	7358.0	37.6	11.9	49.5	74.0	-24.5	Peak	Vertical
*	7842.5	36.0	11.9	47.9	68.2	-20.3	Peak	Vertical
	8055.0	38.5	12.6	51.1	74.0	-22.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	106
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
*	7145.5	37.9	11.3	49.2	68.2	-19.0	Peak	Horizontal
	7358.0	38.4	11.9	50.3	74.0	-23.7	Peak	Horizontal
*	7936.0	37.3	12.5	49.8	68.2	-18.4	Peak	Horizontal
	8140.0	37.3	12.4	49.7	74.0	-24.3	Peak	Horizontal
*	6686.5	39.2	9.7	48.9	68.2	-19.3	Peak	Vertical
	7434.5	37.4	11.9	49.3	74.0	-24.7	Peak	Vertical
*	7842.5	37.2	11.9	49.1	68.2	-19.1	Peak	Vertical
	8157.0	38.0	12.5	50.5	74.0	-23.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	122
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
*	7196.5	37.6	11.6	49.2	68.2	-19.0	Peak	Horizontal
	7392.0	37.7	11.8	49.5	74.0	-24.5	Peak	Horizontal
*	7944.5	37.0	12.5	49.5	68.2	-18.7	Peak	Horizontal
	8463.0	37.4	12.5	49.9	74.0	-24.1	Peak	Horizontal
*	7001.0	37.2	10.8	48.0	68.2	-20.2	Peak	Vertical
	7392.0	37.9	11.8	49.7	74.0	-24.3	Peak	Vertical
*	7876.5	36.9	12.1	49.0	68.2	-19.2	Peak	Vertical
	8267.5	37.6	12.3	49.9	74.0	-24.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	138
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
*	7009.5	38.0	10.9	48.9	68.2	-19.3	Peak	Horizontal
	7468.5	38.3	11.8	50.1	74.0	-23.9	Peak	Horizontal
*	7936.0	38.6	12.5	51.1	68.2	-17.1	Peak	Horizontal
	8174.0	38.0	12.4	50.4	74.0	-23.6	Peak	Horizontal
*	7043.5	37.7	10.9	48.6	68.2	-19.6	Peak	Vertical
	7264.5	38.1	11.7	49.8	74.0	-24.2	Peak	Vertical
*	7927.5	38.0	12.4	50.4	68.2	-17.8	Peak	Vertical
	8208.0	38.4	12.3	50.7	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	42+58
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
*	7001.0	42.8	10.7	53.5	68.2	-14.7	Peak	Horizontal
	7672.5	33.3	12.0	45.3	74.0	-28.7	Peak	Horizontal
*	10265.0	33.6	16.2	49.8	68.2	-18.4	Peak	Horizontal
	11582.5	32.0	19.8	51.8	74.0	-22.2	Peak	Horizontal
*	7001.0	51.6	10.7	62.3	68.2	-5.9	Peak	Vertical
	7468.5	32.5	12.1	44.6	74.0	-29.4	Peak	Vertical
*	10503.0	33.9	16.5	50.4	68.2	-17.8	Peak	Vertical
	11472.0	31.0	20.0	51.0	74.0	-23.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ac-VHT80+80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	106+122
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
	7570.5	33.6	12.1	45.7	74.0	-28.3	Peak	Horizontal
*	8735.0	33.0	13.7	46.7	68.2	-21.5	Peak	Horizontal
	9406.5	31.2	14.9	46.1	74.0	-27.9	Peak	Horizontal
*	10528.5	33.2	16.4	49.6	68.2	-18.6	Peak	Horizontal
*	7188.0	33.1	11.9	45.0	68.2	-23.2	Peak	Vertical
	7477.0	36.4	12.2	48.6	74.0	-25.4	Peak	Vertical
*	7936.0	32.9	12.2	45.1	68.2	-23.1	Peak	Vertical
	11219.9	34.5	18.9	53.4	74.0	-20.6	Peak	Vertical
	11219.9	30.3	18.9	49.2	54.0	-4.8	Average	Vertical

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

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

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

Product	GigaSpire	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	52
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
*	7094.5	37.6	11.3	48.9	68.2	-19.3	Peak	Horizontal
	7553.5	37.5	11.7	49.2	74.0	-24.8	Peak	Horizontal
*	7859.5	37.3	12.0	49.3	68.2	-18.9	Peak	Horizontal
	8165.5	38.0	12.4	50.4	74.0	-23.6	Peak	Horizontal
*	7069.0	37.4	11.0	48.4	68.2	-19.8	Peak	Vertical
	7383.5	37.3	11.8	49.1	74.0	-24.9	Peak	Vertical
*	7842.5	37.3	11.9	49.2	68.2	-19.0	Peak	Vertical
	8276.0	36.8	12.3	49.1	74.0	-24.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	60
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
*	7111.5	38.7	11.3	50.0	68.2	-18.2	Peak	Horizontal
	7375.0	37.0	11.9	48.9	74.0	-25.1	Peak	Horizontal
*	7817.0	38.2	11.8	50.0	68.2	-18.2	Peak	Horizontal
	8029.5	38.9	12.6	51.5	74.0	-22.5	Peak	Horizontal
*	7171.0	37.8	11.6	49.4	68.2	-18.8	Peak	Vertical
	7460.0	38.1	11.9	50.0	74.0	-24.0	Peak	Vertical
*	7961.5	37.7	12.4	50.1	68.2	-18.1	Peak	Vertical
	9126.0	37.2	15.1	52.3	74.0	-21.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	64
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
*	7128.5	38.2	11.3	49.5	68.2	-18.7	Peak	Horizontal
	7341.0	38.3	11.8	50.1	74.0	-23.9	Peak	Horizontal
*	7927.5	37.6	12.4	50.0	68.2	-18.2	Peak	Horizontal
	8165.5	37.9	12.4	50.3	74.0	-23.7	Peak	Horizontal
*	6814.0	38.5	9.8	48.3	68.2	-19.9	Peak	Vertical
	7434.5	36.9	11.9	48.8	74.0	-25.2	Peak	Vertical
*	7936.0	37.2	12.5	49.7	68.2	-18.5	Peak	Vertical
	8140.0	38.4	12.4	50.8	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	100
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
*	6763.0	37.3	9.9	47.2	68.2	-21.0	Peak	Horizontal
	7349.5	37.7	11.9	49.6	74.0	-24.4	Peak	Horizontal
*	7961.5	38.3	12.4	50.7	68.2	-17.5	Peak	Horizontal
	8225.0	35.9	12.4	48.3	74.0	-25.7	Peak	Horizontal
*	7001.0	37.8	10.8	48.6	68.2	-19.6	Peak	Vertical
	7273.0	37.7	11.7	49.4	74.0	-24.6	Peak	Vertical
*	7995.5	38.4	12.5	50.9	68.2	-17.3	Peak	Vertical
	8310.0	36.8	12.2	49.0	74.0	-25.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	120
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
*	7145.5	38.4	11.3	49.7	68.2	-18.5	Peak	Horizontal
	7366.5	37.3	11.9	49.2	74.0	-24.8	Peak	Horizontal
*	7868.0	37.3	12.1	49.4	68.2	-18.8	Peak	Horizontal
	8165.5	37.0	12.4	49.4	74.0	-24.6	Peak	Horizontal
*	7103.0	37.8	11.3	49.1	68.2	-19.1	Peak	Vertical
	7511.0	37.6	11.9	49.5	74.0	-24.5	Peak	Vertical
*	7953.0	37.5	12.5	50.0	68.2	-18.2	Peak	Vertical
	8165.5	38.1	12.4	50.5	74.0	-23.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	140
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
*	6856.5	38.5	10.1	48.6	68.2	-19.6	Peak	Horizontal
	7324.0	38.1	11.5	49.6	74.0	-24.4	Peak	Horizontal
*	7808.5	37.8	11.7	49.5	68.2	-18.7	Peak	Horizontal
	8267.5	38.0	12.3	50.3	74.0	-23.7	Peak	Horizontal
*	7154.0	37.9	11.3	49.2	68.2	-19.0	Peak	Vertical
	7392.0	37.8	11.8	49.6	74.0	-24.4	Peak	Vertical
*	7808.5	38.0	11.7	49.7	68.2	-18.5	Peak	Vertical
	8276.0	37.8	12.3	50.1	74.0	-23.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	144
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
*	7230.5	37.8	11.5	49.3	68.2	-18.9	Peak	Horizontal
	7604.5	36.6	11.8	48.4	74.0	-25.6	Peak	Horizontal
*	7842.5	36.4	11.9	48.3	68.2	-19.9	Peak	Horizontal
	8131.5	38.0	12.5	50.5	74.0	-23.5	Peak	Horizontal
*	7103.0	37.2	11.3	48.5	68.2	-19.7	Peak	Vertical
	7409.0	37.1	11.8	48.9	74.0	-25.1	Peak	Vertical
*	7978.5	38.6	12.4	51.0	68.2	-17.2	Peak	Vertical
	8191.0	37.8	12.4	50.2	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	54
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
*	7128.5	37.9	11.3	49.2	68.2	-19.0	Peak	Horizontal
	7409.0	38.4	11.8	50.2	74.0	-23.8	Peak	Horizontal
*	7859.5	38.2	12.0	50.2	68.2	-18.0	Peak	Horizontal
	8267.5	38.6	12.3	50.9	74.0	-23.1	Peak	Horizontal
*	7239.0	38.3	11.5	49.8	68.2	-18.4	Peak	Vertical
	7477.0	37.7	11.7	49.4	74.0	-24.6	Peak	Vertical
*	8012.5	39.5	12.6	52.1	68.2	-16.1	Peak	Vertical
	9100.5	37.3	14.9	52.2	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	62
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
*	7077.5	37.3	11.2	48.5	68.2	-19.7	Peak	Horizontal
	7417.5	38.9	11.8	50.7	74.0	-23.3	Peak	Horizontal
*	7987.0	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
	8276.0	36.6	12.3	48.9	74.0	-25.1	Peak	Horizontal
*	7222.0	37.9	11.5	49.4	68.2	-18.8	Peak	Vertical
	7664.0	39.6	11.4	51.0	74.0	-23.0	Peak	Vertical
*	7961.5	39.0	12.4	51.4	68.2	-16.8	Peak	Vertical
	8182.5	38.7	12.4	51.1	74.0	-22.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	102
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
*	7222.0	38.4	11.5	49.9	68.2	-18.3	Peak	Horizontal
	7494.0	38.5	11.8	50.3	74.0	-23.7	Peak	Horizontal
*	7919.0	38.7	12.3	51.0	68.2	-17.2	Peak	Horizontal
	8174.0	39.1	12.4	51.5	74.0	-22.5	Peak	Horizontal
*	7103.0	37.2	11.3	48.5	68.2	-19.7	Peak	Vertical
	7468.5	37.6	11.8	49.4	74.0	-24.6	Peak	Vertical
*	8021.0	37.5	12.6	50.1	68.2	-18.1	Peak	Vertical
	8352.5	38.0	12.3	50.3	74.0	-23.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	36.4	11.8	48.2	74.0	-25.8	Peak	Horizontal
*	7808.5	36.3	11.7	48.0	68.2	-20.2	Peak	Horizontal
	8276.0	36.8	12.3	49.1	74.0	-24.9	Peak	Horizontal
*	8811.5	37.0	14.3	51.3	68.2	-16.9	Peak	Horizontal
*	7026.5	37.9	10.9	48.8	68.2	-19.4	Peak	Vertical
	7298.5	36.8	11.7	48.5	74.0	-25.5	Peak	Vertical
*	7859.5	37.6	12.0	49.6	68.2	-18.6	Peak	Vertical
	8216.5	37.8	12.3	50.1	74.0	-23.9	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	134
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
	7375.0	37.7	11.9	49.6	74.0	-24.4	Peak	Horizontal
*	7842.5	36.1	11.9	48.0	68.2	-20.2	Peak	Horizontal
	8267.5	37.3	12.3	49.6	74.0	-24.4	Peak	Horizontal
*	8667.0	38.2	13.8	52.0	68.2	-16.2	Peak	Horizontal
*	7052.0	37.7	10.9	48.6	68.2	-19.6	Peak	Vertical
	7315.5	37.6	11.6	49.2	74.0	-24.8	Peak	Vertical
*	7910.5	37.5	12.2	49.7	68.2	-18.5	Peak	Vertical
	8216.5	38.1	12.3	50.4	74.0	-23.6	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	37.9	11.6	49.5	68.2	-18.7	Peak	Horizontal
	7485.5	37.9	11.8	49.7	74.0	-24.3	Peak	Horizontal
*	7936.0	37.3	12.5	49.8	68.2	-18.4	Peak	Horizontal
	8437.5	37.3	12.7	50.0	74.0	-24.0	Peak	Horizontal
*	7043.5	38.0	10.9	48.9	68.2	-19.3	Peak	Vertical
	7434.5	37.4	11.9	49.3	74.0	-24.7	Peak	Vertical
*	7842.5	36.8	11.9	48.7	68.2	-19.5	Peak	Vertical
	8276.0	37.0	12.3	49.3	74.0	-24.7	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	58
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
*	7120.0	37.8	11.3	49.1	68.2	-19.1	Peak	Horizontal
	7341.0	38.0	11.8	49.8	74.0	-24.2	Peak	Horizontal
*	7927.5	39.3	12.4	51.7	68.2	-16.5	Peak	Horizontal
	8259.0	38.8	12.3	51.1	74.0	-22.9	Peak	Horizontal
*	7043.5	37.6	10.9	48.5	68.2	-19.7	Peak	Vertical
	7477.0	37.1	11.7	48.8	74.0	-25.2	Peak	Vertical
*	7944.5	37.0	12.5	49.5	68.2	-18.7	Peak	Vertical
	8208.0	38.1	12.3	50.4	74.0	-23.6	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	106
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
*	7137.0	37.6	11.3	48.9	68.2	-19.3	Peak	Horizontal
	7468.5	37.7	11.8	49.5	74.0	-24.5	Peak	Horizontal
*	7800.0	38.0	11.6	49.6	68.2	-18.6	Peak	Horizontal
	8199.5	36.7	12.4	49.1	74.0	-24.9	Peak	Horizontal
*	6720.5	39.3	9.6	48.9	68.2	-19.3	Peak	Vertical
	7502.5	36.0	11.9	47.9	74.0	-26.1	Peak	Vertical
*	7808.5	36.8	11.7	48.5	68.2	-19.7	Peak	Vertical
	8157.0	38.9	12.5	51.4	74.0	-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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6839.5	38.5	10.0	48.5	68.2	-19.7	Peak	Horizontal
	7485.5	37.4	11.8	49.2	74.0	-24.8	Peak	Horizontal
*	7953.0	37.3	12.5	49.8	68.2	-18.4	Peak	Horizontal
	8191.0	37.4	12.4	49.8	74.0	-24.2	Peak	Horizontal
*	6814.0	38.6	9.8	48.4	68.2	-19.8	Peak	Vertical
	7375.0	37.7	11.9	49.6	74.0	-24.4	Peak	Vertical
*	7978.5	39.3	12.4	51.7	68.2	-16.5	Peak	Vertical
	8174.0	38.1	12.4	50.5	74.0	-23.5	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	138
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
*	7128.5	37.4	11.3	48.7	68.2	-19.5	Peak	Horizontal
	7460.0	38.1	11.9	50.0	74.0	-24.0	Peak	Horizontal
*	7876.5	36.2	12.1	48.3	68.2	-19.9	Peak	Horizontal
	8276.0	36.4	12.3	48.7	74.0	-25.3	Peak	Horizontal
*	7069.0	39.3	11.0	50.3	68.2	-17.9	Peak	Vertical
	7477.0	37.7	11.7	49.4	74.0	-24.6	Peak	Vertical
*	7953.0	37.2	12.5	49.7	68.2	-18.5	Peak	Vertical
	8386.5	36.6	12.4	49.0	74.0	-25.0	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80+80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	42+58
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
*	7001.0	47.4	10.7	58.1	68.2	-10.1	Peak	Horizontal
	7315.5	33.0	12.2	45.2	74.0	-28.8	Peak	Horizontal
*	7868.0	31.1	12.1	43.2	68.2	-25.0	Peak	Horizontal
	8157.0	33.2	12.2	45.4	74.0	-28.6	Peak	Horizontal
*	7001.0	47.8	10.7	58.5	68.2	-9.7	Peak	Vertical
	7562.0	33.3	12.0	45.3	74.0	-28.7	Peak	Vertical
*	7970.0	32.8	12.5	45.3	68.2	-22.9	Peak	Vertical
	8225.0	33.6	12.3	45.9	74.0	-28.1	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	Temperature	22 ~ 25°C
Test Engineer	Cloud Guo	Relative Humidity	46 ~ 62 %
Test Site	AC2	Test Date	2019/12/02 ~ 2019/12/22
Test Mode:	802.11ax-HE80+80 - Ant 0 + 1 + 2 + 3 (Beamforming Mode)	Test Channel:	106+122
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
*	7103.0	32.3	11.7	44.0	68.2	-24.2	Peak	Horizontal
	7477.0	43.2	12.2	55.4	74.0	-18.6	Peak	Horizontal
	7477.0	41.3	12.2	53.5	54.0	-0.5	Average	Horizontal
*	8667.0	31.4	13.4	44.8	68.2	-23.4	Peak	Horizontal
	9083.5	31.8	14.4	46.2	74.0	-27.8	Peak	Horizontal
*	6941.5	33.5	10.5	44.0	68.2	-24.2	Peak	Vertical
	7477.0	42.7	12.2	54.9	74.0	-19.1	Peak	Vertical
	7477.0	40.9	12.2	53.1	54.0	-0.9	Average	Vertical
*	8599.0	31.7	13.3	45.0	68.2	-23.2	Peak	Vertical
	11829.0	29.7	20.3	50.0	74.0	-24.0	Peak	Vertical

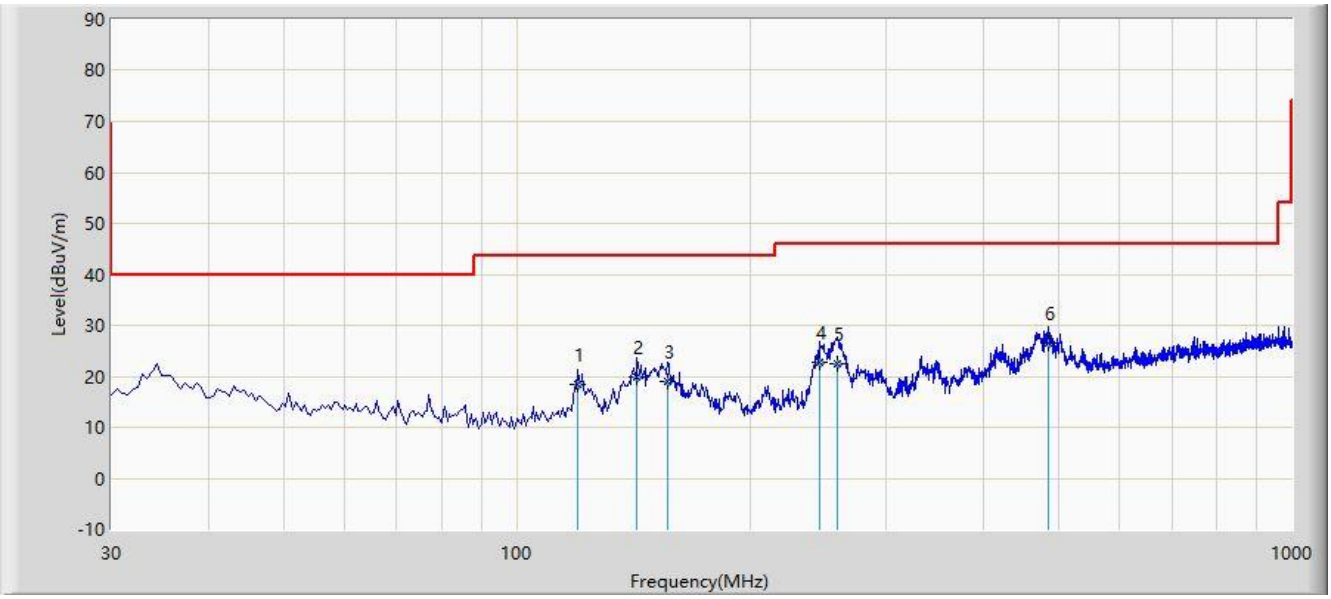
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/11/29 - 15:11
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	



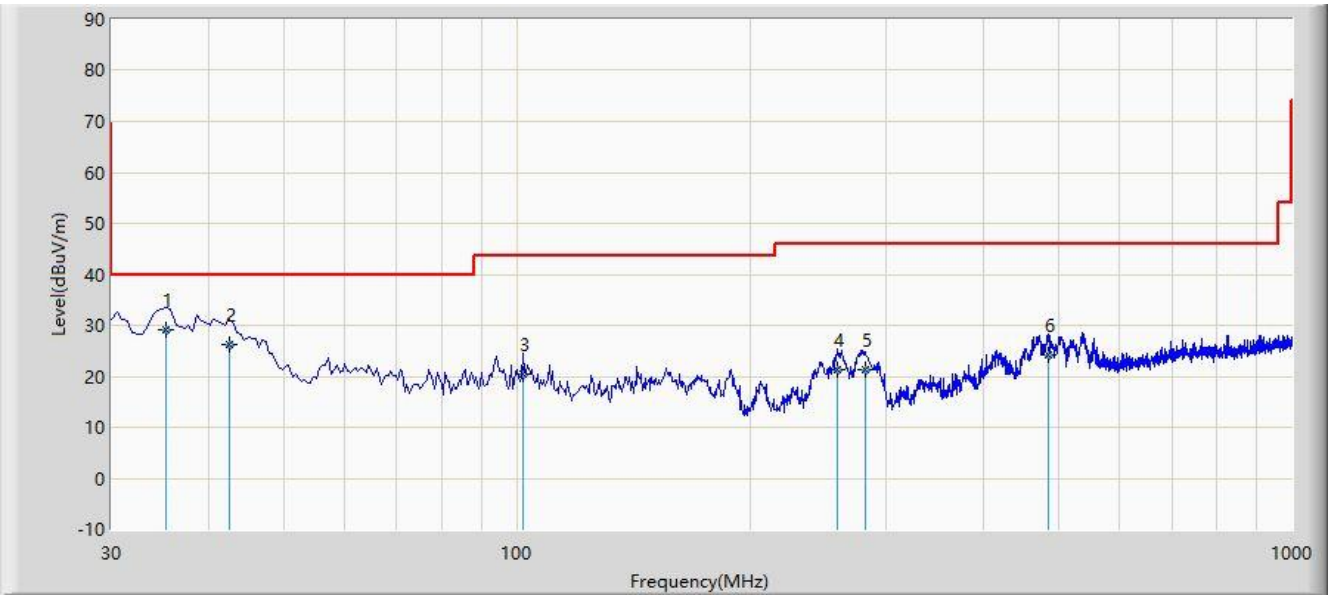
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			119.800	18.537	5.380	-24.963	43.500	13.157	QP
2			143.030	19.777	5.020	-23.723	43.500	14.758	QP
3			156.600	18.845	3.590	-24.655	43.500	15.255	QP
4			246.350	22.754	9.830	-23.246	46.000	12.924	QP
5			258.900	22.538	9.370	-23.462	46.000	13.167	QP
6		*	484.930	26.486	8.200	-19.514	46.000	18.286	QP

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

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

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

Site: AC1	Time: 2019/11/29 - 15:13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	35.350	28.993	15.020	-11.007	40.000	13.973	QP
2			42.610	26.341	11.930	-13.659	40.000	14.410	QP
3			101.800	20.506	9.300	-22.994	43.500	11.206	QP
4			259.450	21.443	8.270	-24.557	46.000	13.173	QP
5			281.230	21.255	7.370	-24.745	46.000	13.885	QP
6			485.420	24.345	6.050	-21.655	46.000	18.294	QP

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

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

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

7.9. Radiated Restricted Band Edge Measurement

7.9.1.Test Limit

For 15.205 requirement:

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

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 5.25-5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 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.

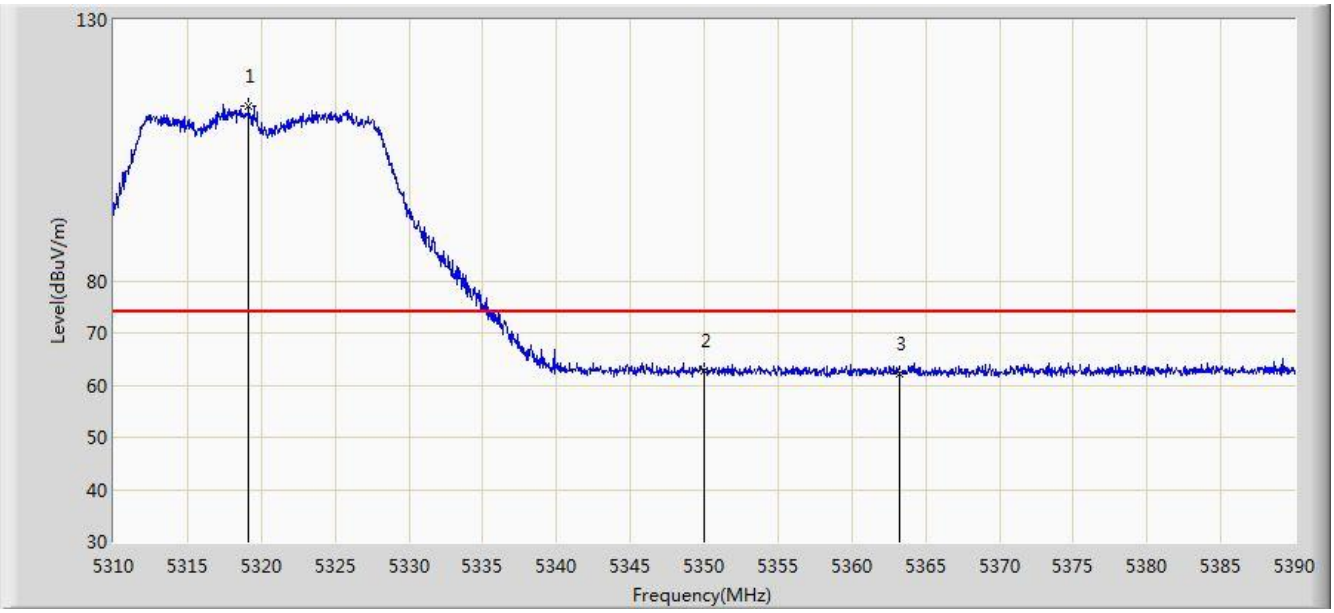
Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz.

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

7.9.2.Test Result

Site: AC1	Time: 2019/11/30 - 13:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz (Non Beam-Forming Mode)	

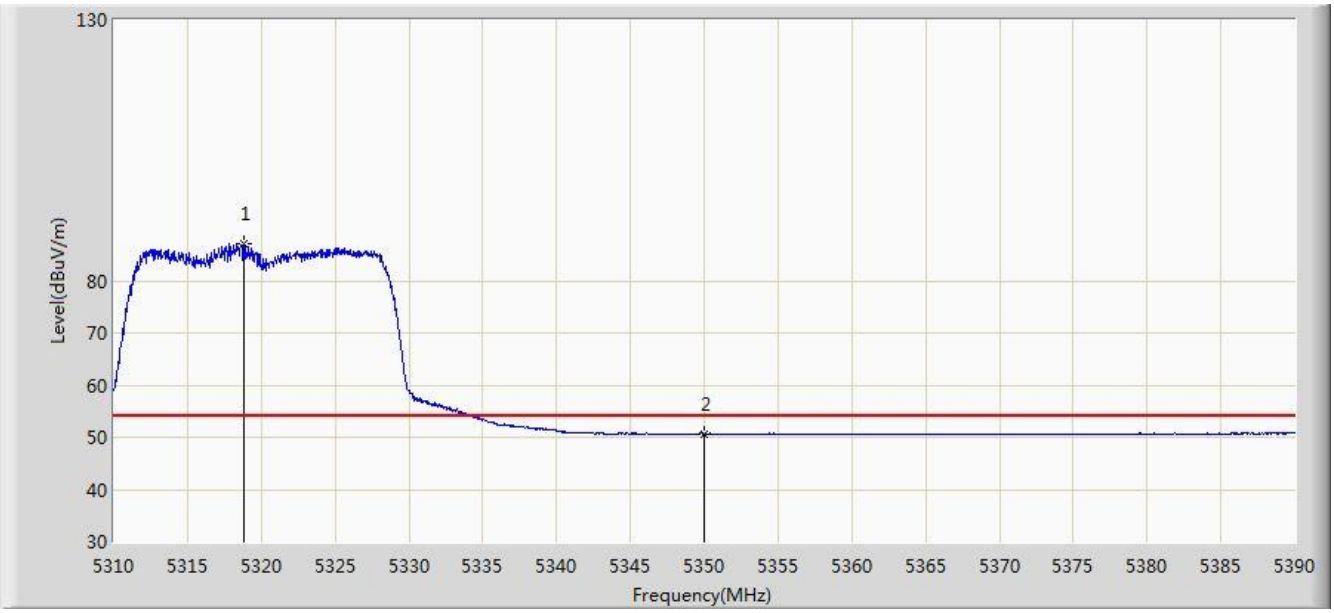


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.160	113.388	106.771	N/A	N/A	6.617	PK
2			5350.000	62.698	56.070	-11.302	74.000	6.629	PK
3			5363.200	62.243	55.643	-11.757	74.000	6.600	PK

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

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

Site: AC1	Time: 2019/11/30 - 13:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz (Non Beam-Forming Mode)	

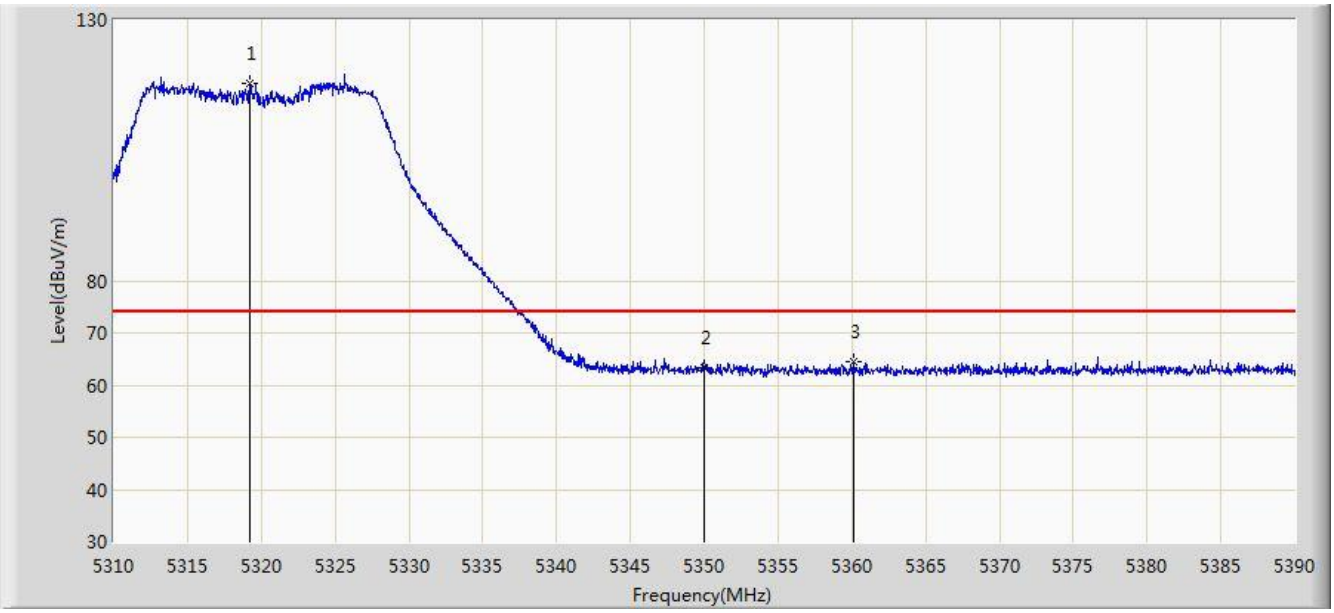


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.840	87.180	80.566	N/A	N/A	6.615	AV
2			5350.000	50.631	44.003	-3.369	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/11/30 - 13:37
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz (Non Beam-Forming Mode)	

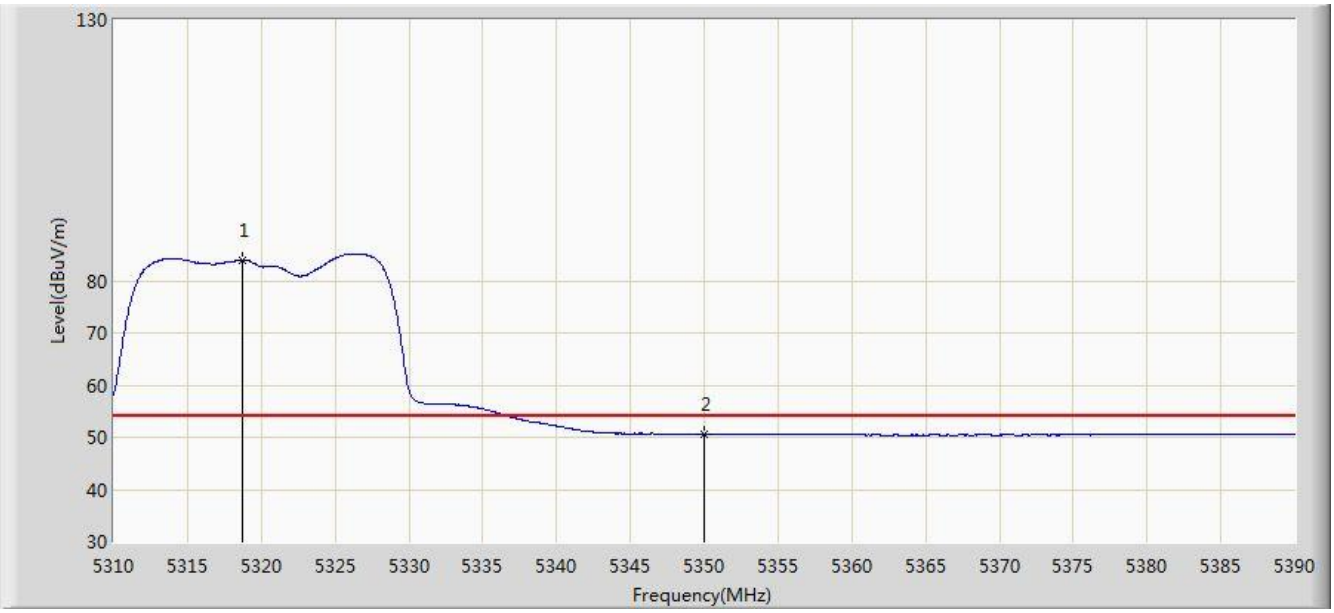


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.200	117.870	111.253	N/A	N/A	6.617	PK
2			5350.000	63.379	56.751	-10.621	74.000	6.629	PK
3			5360.080	64.579	57.975	-9.421	74.000	6.604	PK

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

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

Site: AC1	Time: 2019/11/30 - 13:38
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz (Non Beam-Forming Mode)	

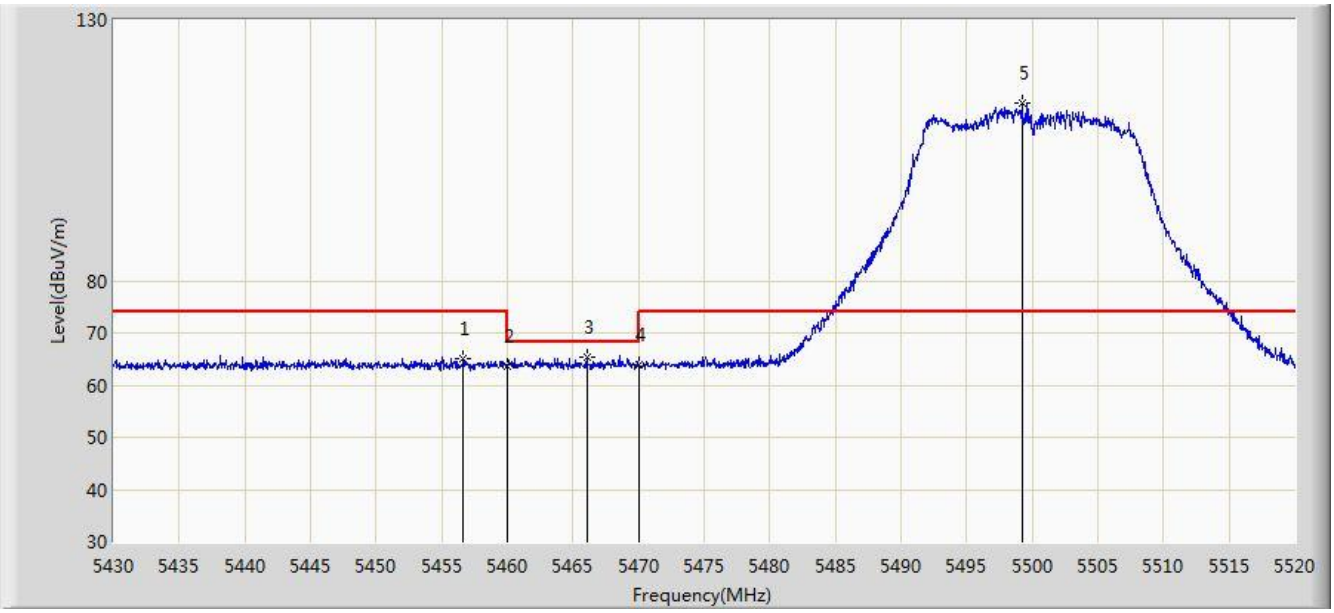


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.760	83.904	77.290	N/A	N/A	6.613	AV
2			5350.000	50.545	43.917	-3.455	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/11/30 - 13:42
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz (Non Beam-Forming Mode)	

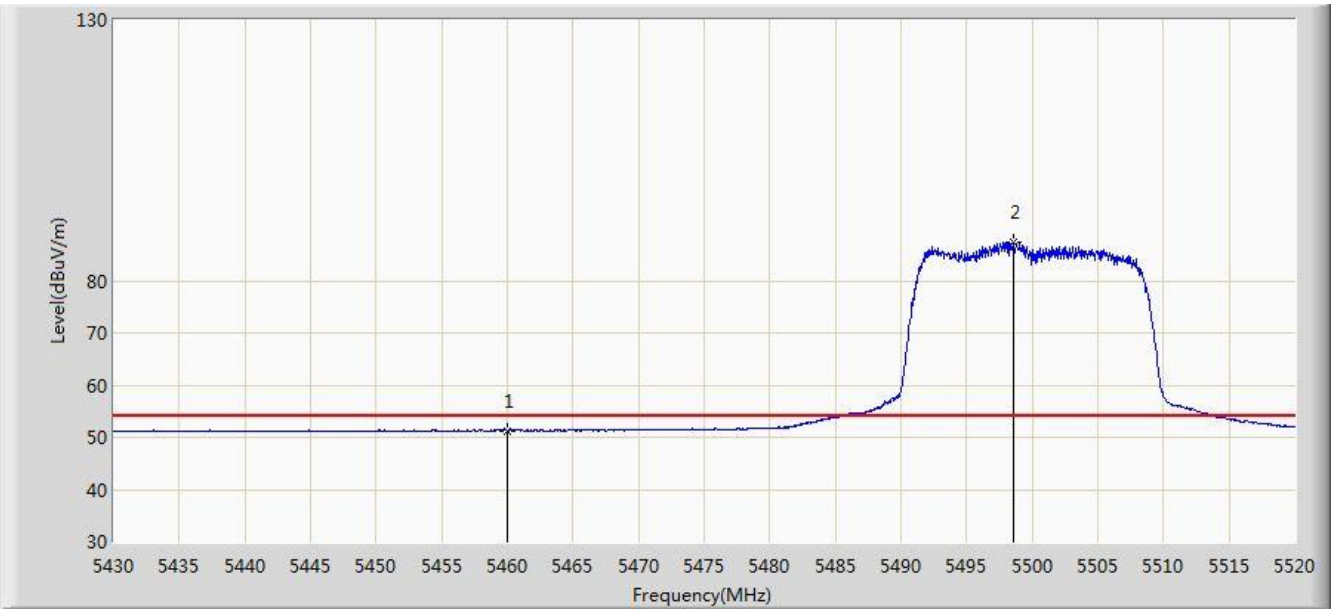


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.640	65.049	58.085	-8.951	74.000	6.964	PK
2			5460.000	63.754	56.777	-10.246	74.000	6.978	PK
3			5466.045	65.270	58.269	-2.930	68.200	7.001	PK
4			5470.000	63.979	56.962	-4.221	68.200	7.016	PK
5		*	5499.210	114.144	106.884	N/A	N/A	7.260	PK

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

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

Site: AC1	Time: 2019/11/30 - 13:46
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz (Non Beam-Forming Mode)	

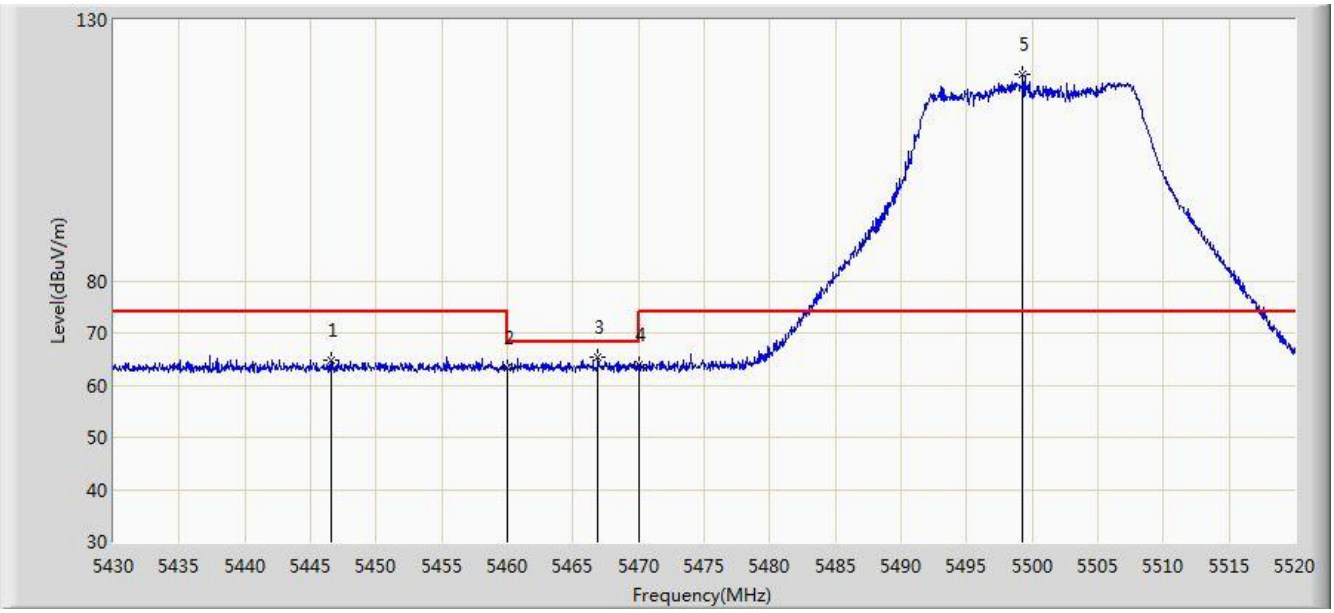


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.261	44.284	-2.739	54.000	6.978	AV
2		*	5498.535	87.337	80.084	N/A	N/A	7.253	AV

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

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

Site: AC1	Time: 2019/11/30 - 13:48
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz (Non Beam-Forming Mode)	

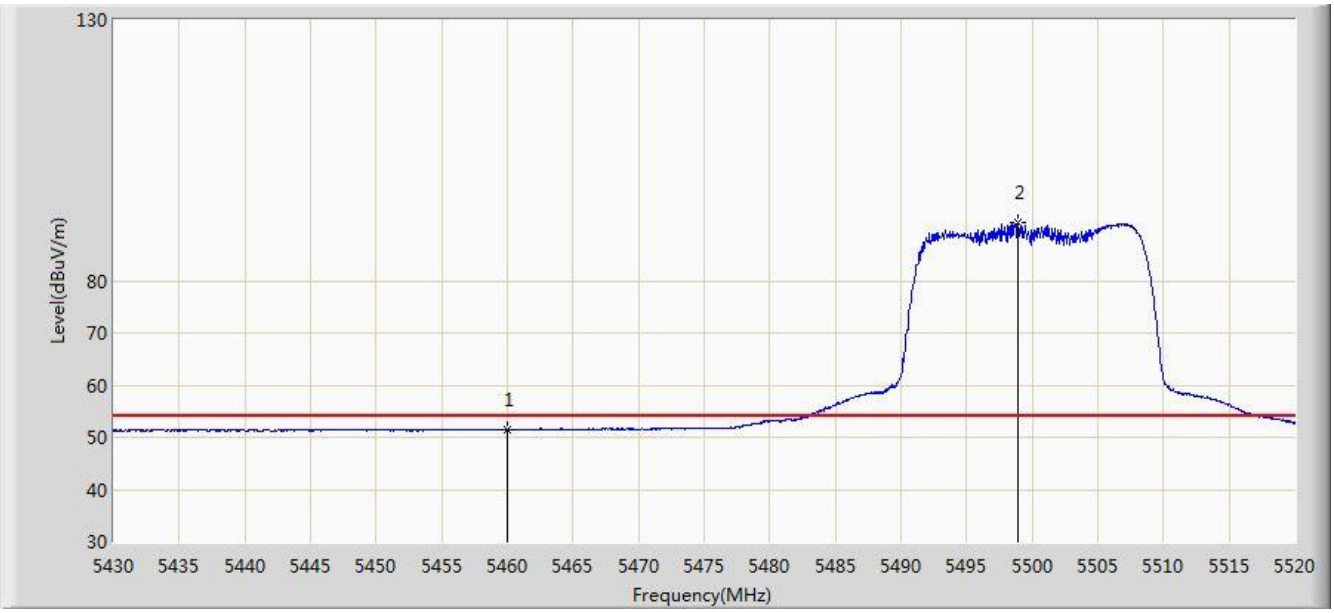


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5446.560	64.689	57.708	-9.311	74.000	6.980	PK
2			5460.000	63.258	56.281	-10.742	74.000	6.978	PK
3			5466.900	65.236	58.231	-2.964	68.200	7.005	PK
4			5470.000	63.945	56.928	-4.255	68.200	7.016	PK
5		*	5499.300	119.700	112.439	N/A	N/A	7.261	PK

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

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

Site: AC1	Time: 2019/11/30 - 13:50
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz (Non Beam-Forming Mode)	

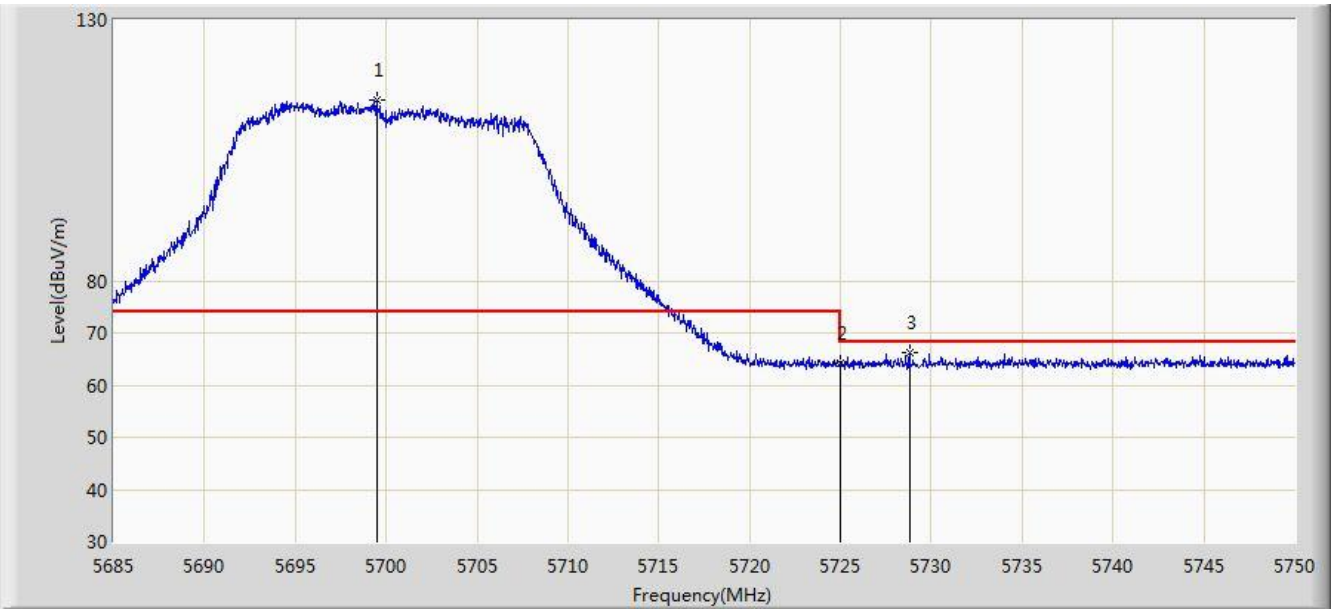


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.522	44.545	-2.478	54.000	6.978	AV
2		*	5498.940	91.081	83.824	N/A	N/A	7.257	AV

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

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

Site: AC1	Time: 2019/11/30 - 13:53
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz (Non Beam-Forming Mode)	

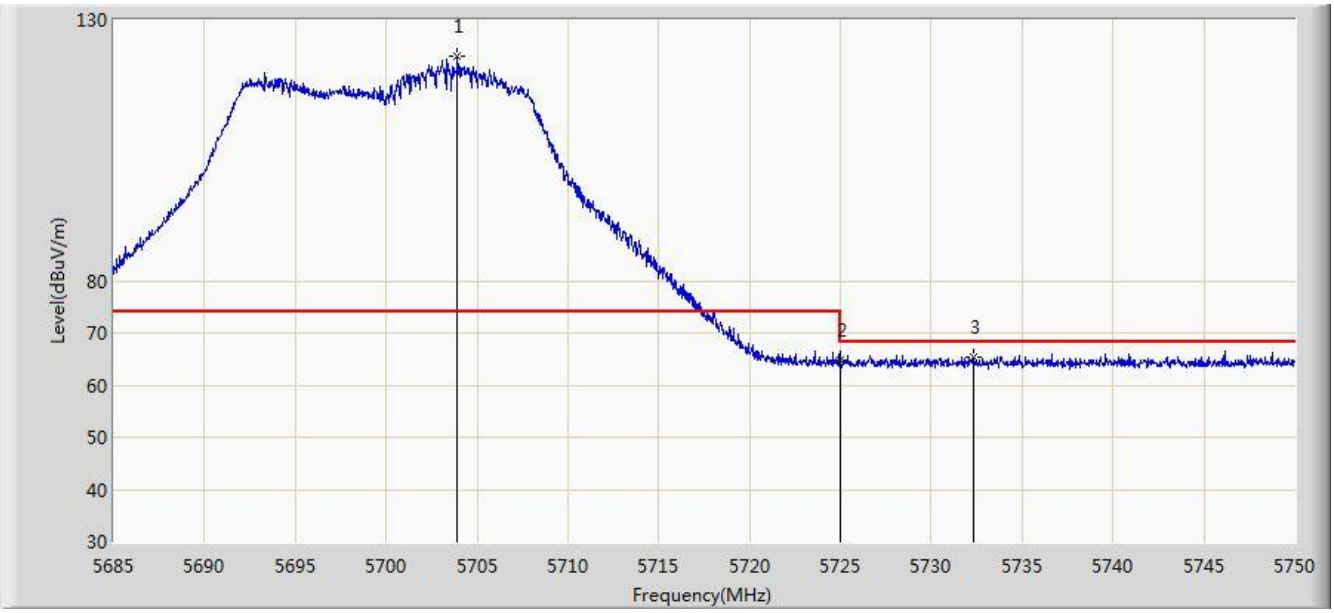


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5699.462	114.635	107.415	N/A	N/A	7.219	PK
2			5725.000	64.087	56.755	-4.113	68.200	7.332	PK
3			5728.810	66.154	58.793	-2.046	68.200	7.360	PK

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

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

Site: AC1	Time: 2019/11/30 - 13:56
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz (Non Beam-Forming Mode)	

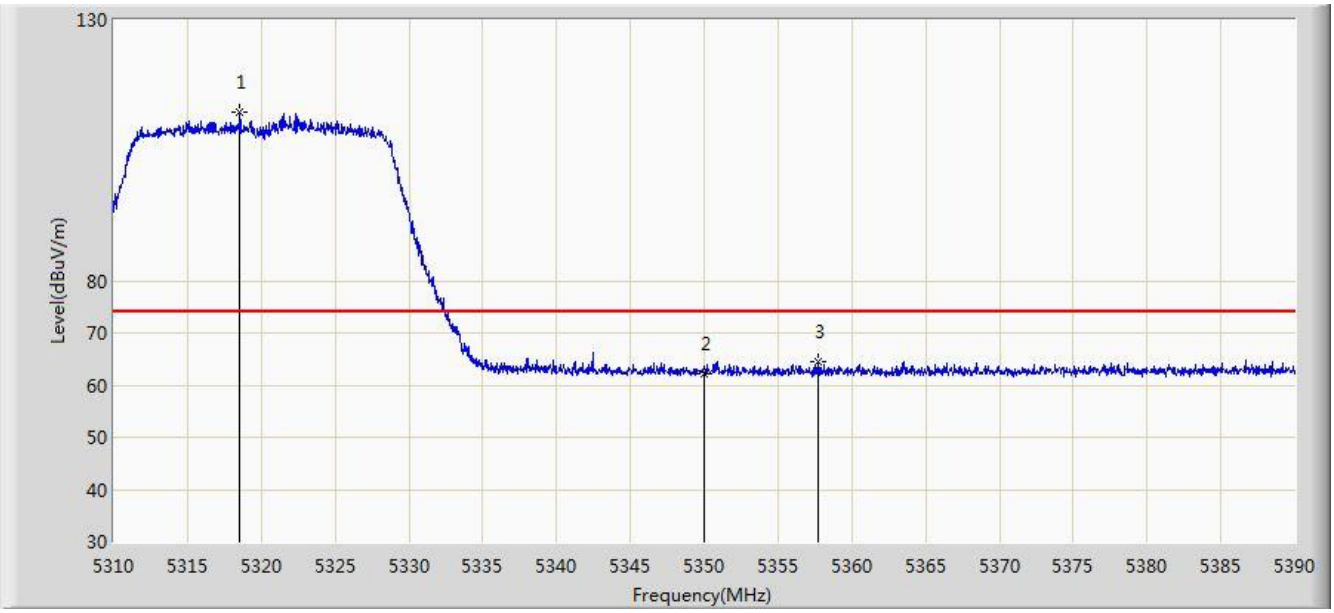


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5703.915	122.911	115.727	N/A	N/A	7.184	PK
2			5725.000	64.845	57.513	-3.355	68.200	7.332	PK
3			5732.288	65.289	57.908	-2.911	68.200	7.381	PK

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

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

Site: AC1	Time: 2019/11/30 - 13:59
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz (Non Beam-Forming Mode)	

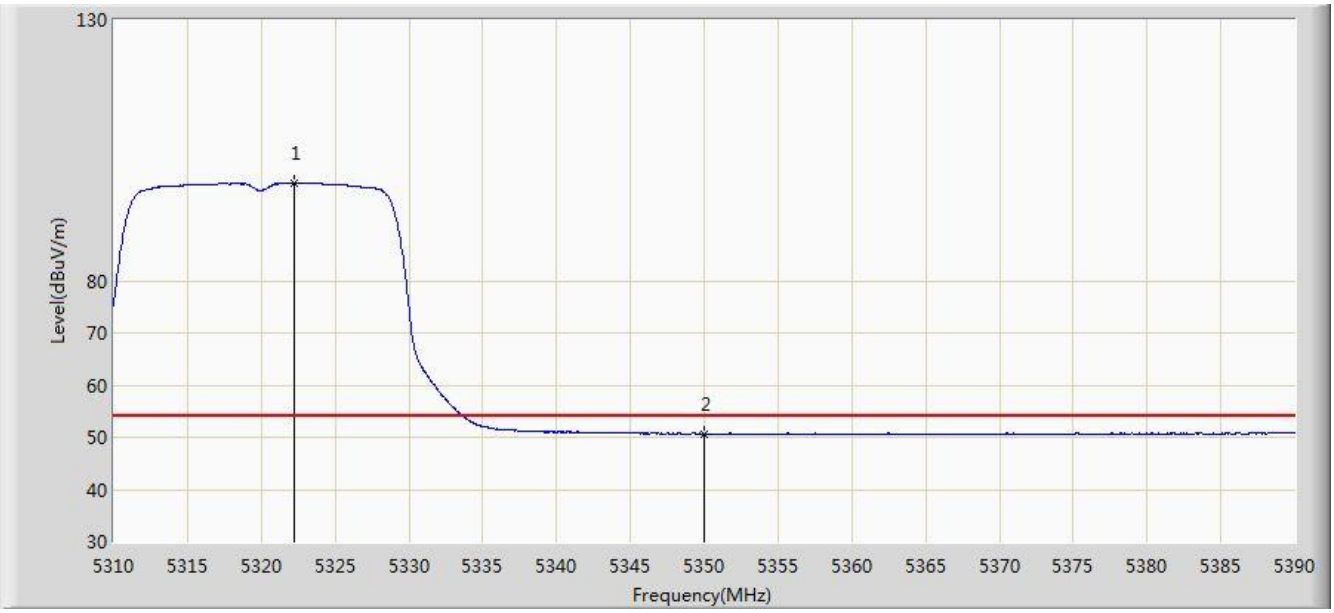


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.560	112.299	105.687	N/A	N/A	6.613	PK
2			5350.000	62.050	55.422	-11.950	74.000	6.629	PK
3			5357.760	64.545	57.937	-9.455	74.000	6.608	PK

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

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

Site: AC1	Time: 2019/11/30 - 14:02
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz (Non Beam-Forming Mode)	

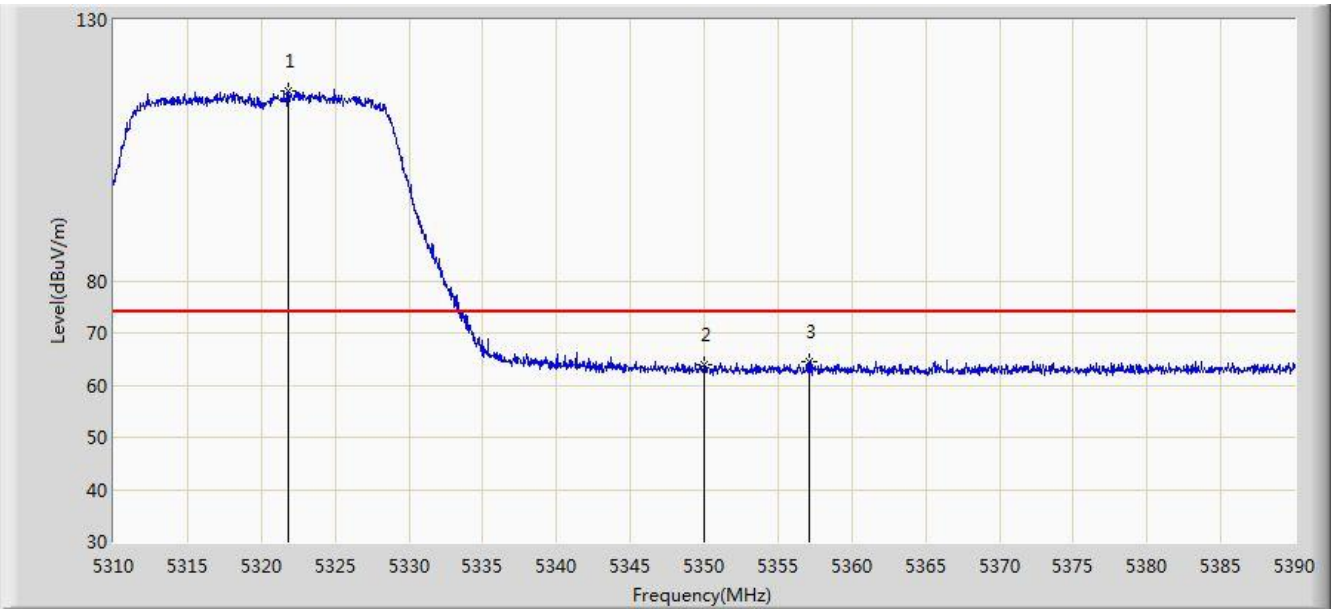


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.280	98.575	91.937	N/A	N/A	6.638	AV
2			5350.000	50.693	44.065	-3.307	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/11/30 - 14:04
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz (Non Beam-Forming Mode)	

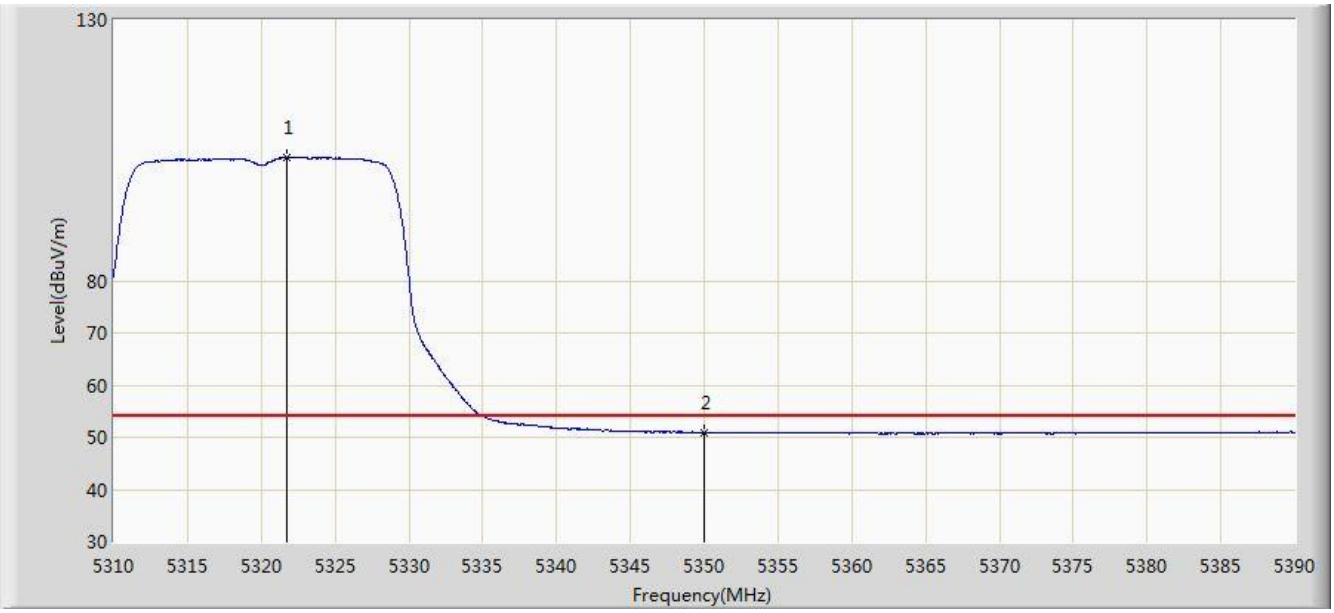


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.800	116.347	109.712	N/A	N/A	6.635	PK
2			5350.000	64.004	57.376	-9.996	74.000	6.629	PK
3			5357.160	64.402	57.794	-9.598	74.000	6.608	PK

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

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

Site: AC1	Time: 2019/11/30 - 14:05
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz (Non Beam-Forming Mode)	

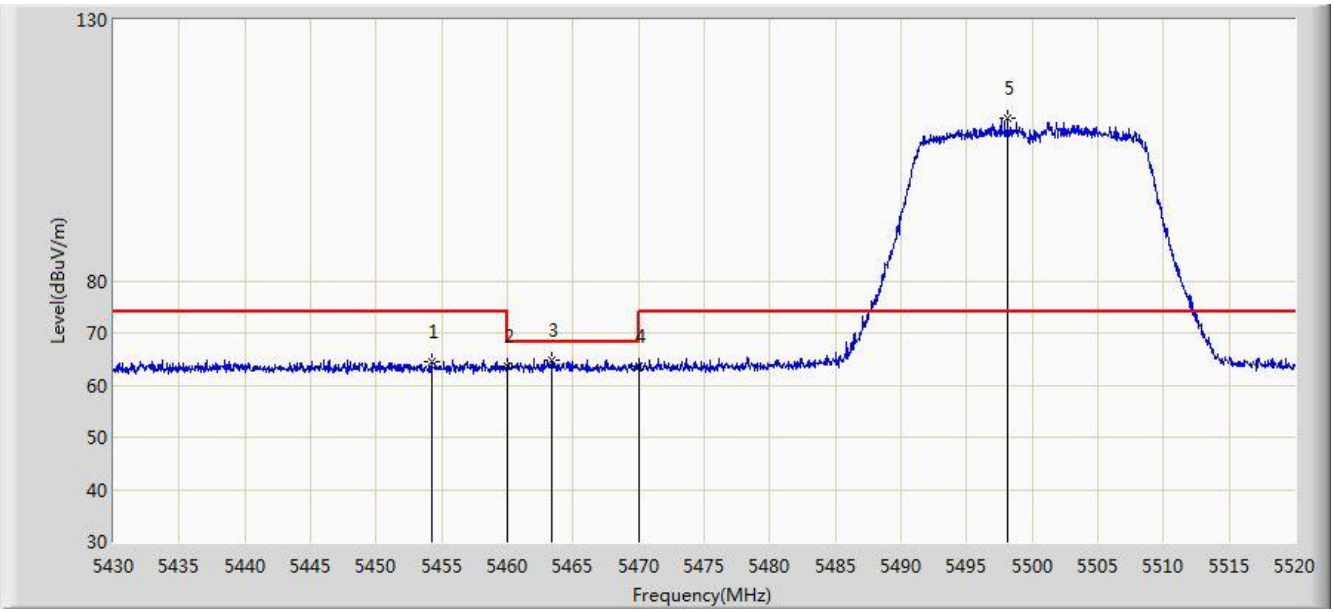


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.760	103.545	96.910	N/A	N/A	6.635	AV
2			5350.000	50.922	44.294	-3.078	54.000	6.629	AV

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

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

Site: AC1	Time: 2019/11/30 - 14:07
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz (Non Beam-Forming Mode)	

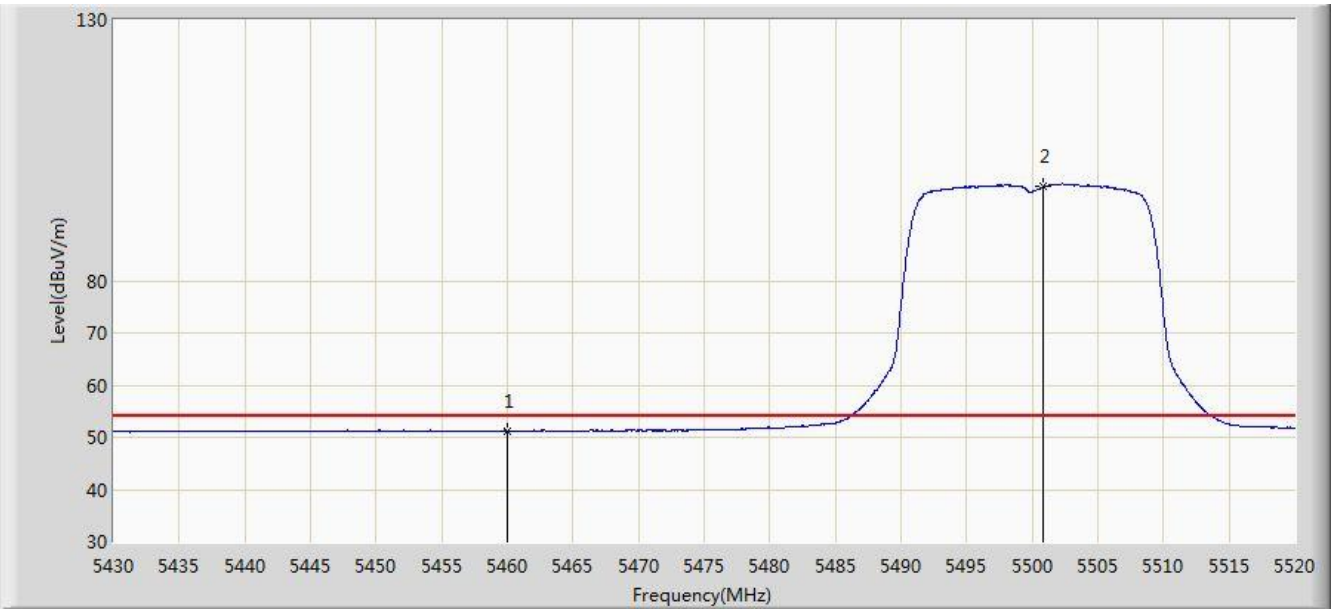


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.210	64.443	57.489	-9.557	74.000	6.954	PK
2			5460.000	63.660	56.683	-10.340	74.000	6.978	PK
3			5463.435	64.793	57.802	-3.407	68.200	6.991	PK
4			5470.000	63.557	56.540	-4.643	68.200	7.016	PK
5		*	5498.130	111.282	104.033	N/A	N/A	7.248	PK

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

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

Site: AC1	Time: 2019/11/30 - 14:08
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz (Non Beam-Forming Mode)	

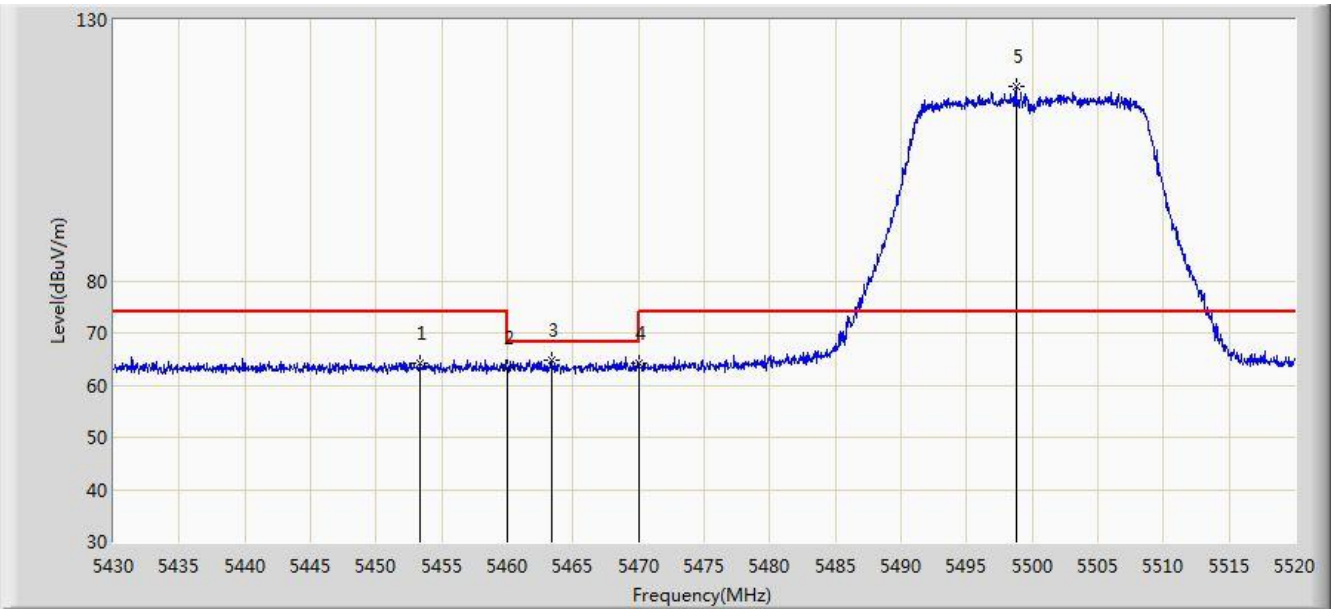


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.271	44.294	-2.729	54.000	6.978	AV
2		*	5500.875	98.181	90.903	N/A	N/A	7.278	AV

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

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

Site: AC1	Time: 2019/11/30 - 14:09
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz (Non Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.355	64.335	57.379	-9.665	74.000	6.956	PK
2			5460.000	63.267	56.290	-10.733	74.000	6.978	PK
3			5463.390	64.725	57.734	-3.475	68.200	6.991	PK
4			5470.000	64.093	57.076	-4.107	68.200	7.016	PK
5		*	5498.805	117.154	109.898	N/A	N/A	7.256	PK

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

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