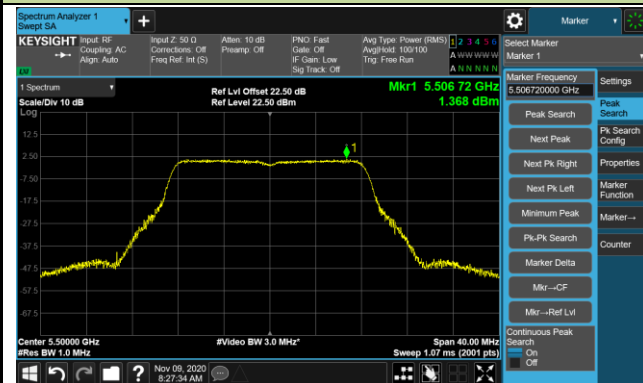


802.11a Power Spectral Density

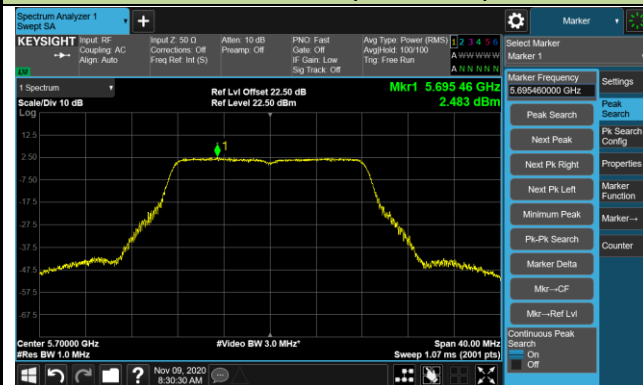
Channel 100 (5500MHz)



Channel 120 (5600MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11ac-VHT20 Power Spectral Density

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)

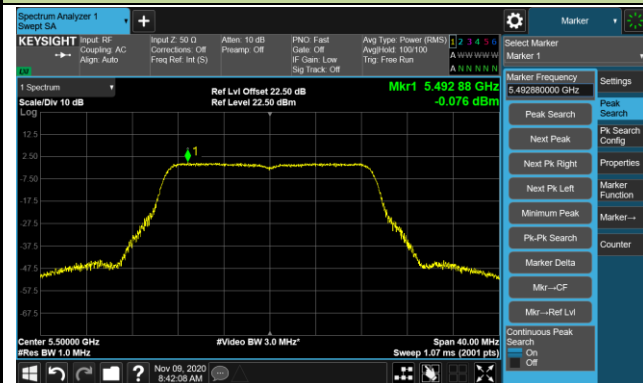


Channel 64 (5320MHz)

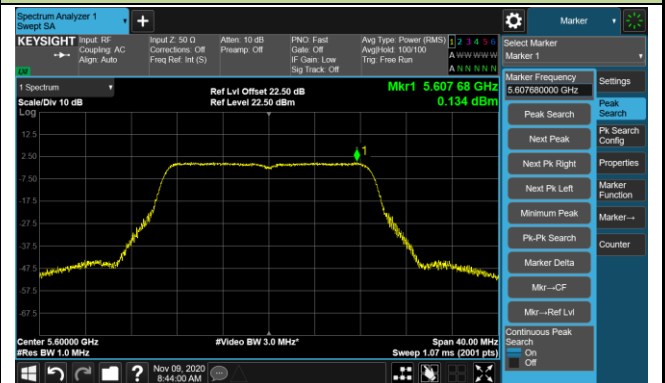


802.11ac-VHT20 Power Spectral Density

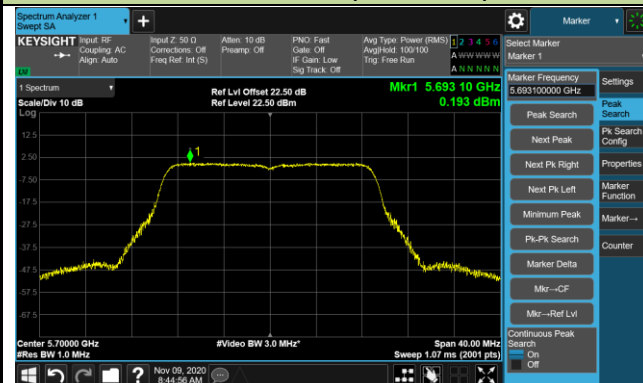
Channel 100 (5500MHz)



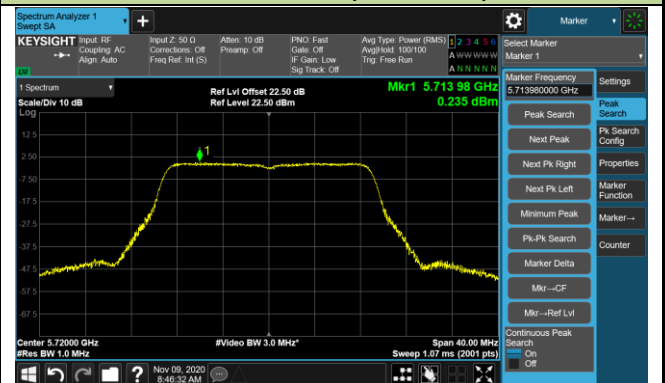
Channel 120 (5600MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



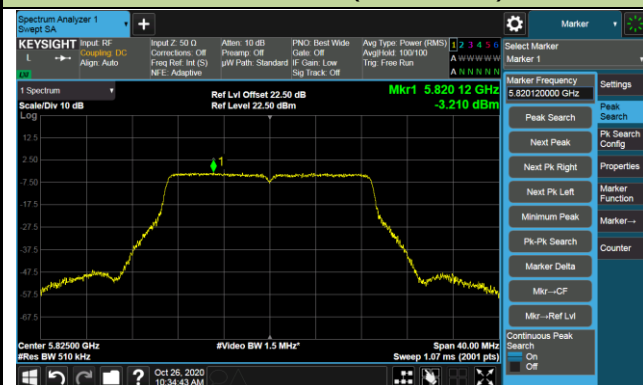
Channel 149 (5745MHz)



Channel 157 (5785MHz)

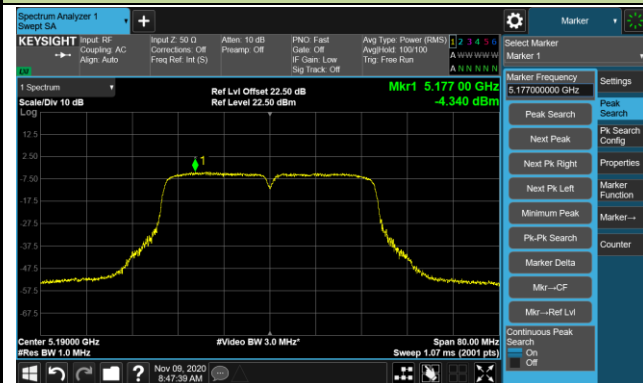


Channel 165 (5825MHz)

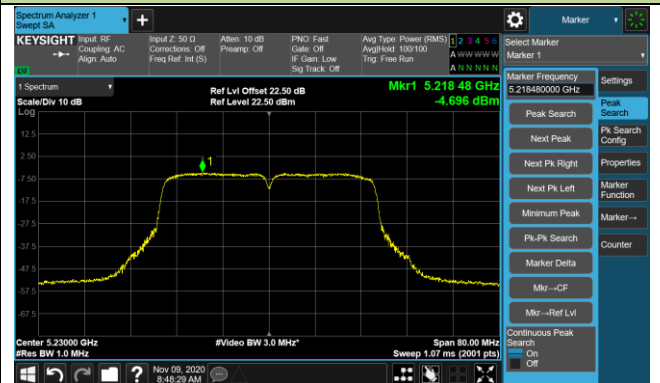


802.11ac-VHT40 Power Spectral Density

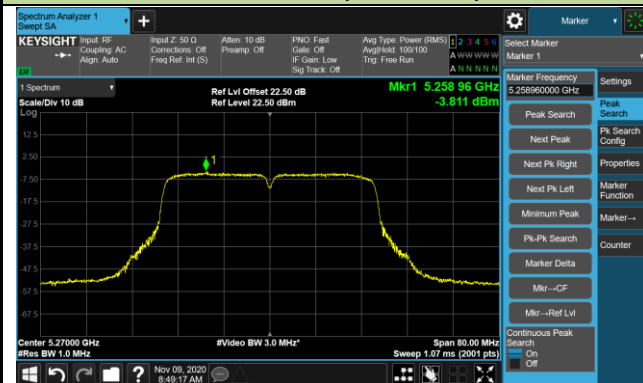
Channel 38 (5190MHz)



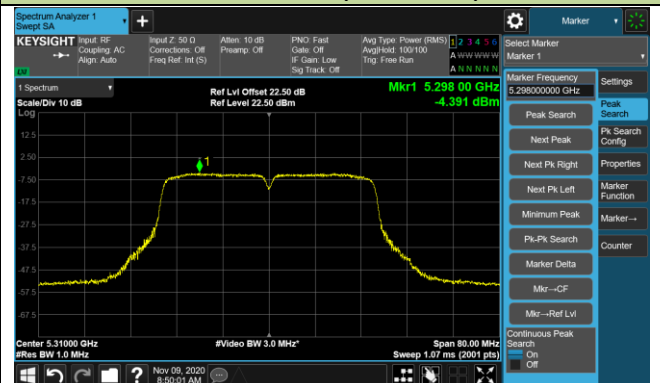
Channel 46 (5230MHz)



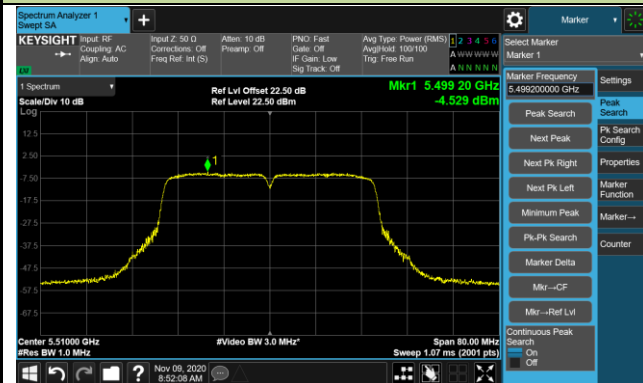
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)

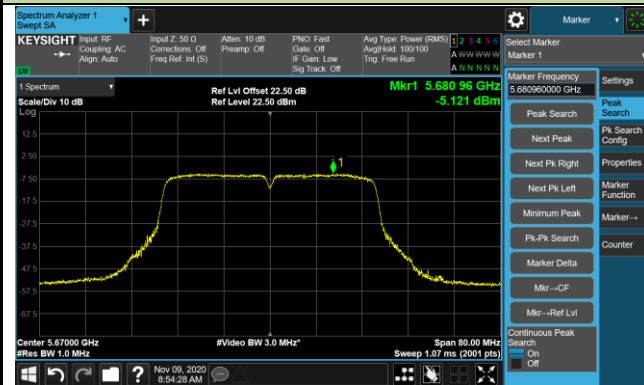


Channel 118 (5590MHz)

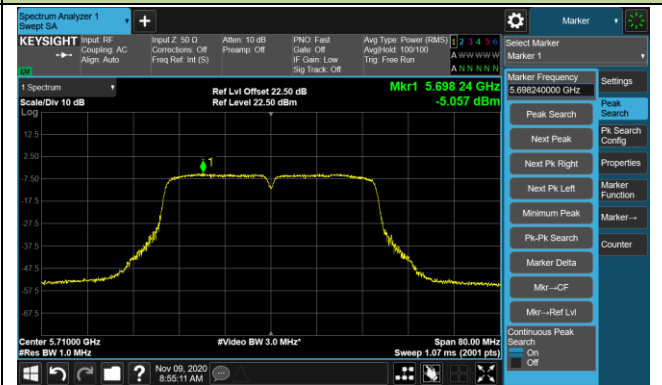


802.11ac-VHT40 Power Spectral Density

Channel 134 (5670MHz)



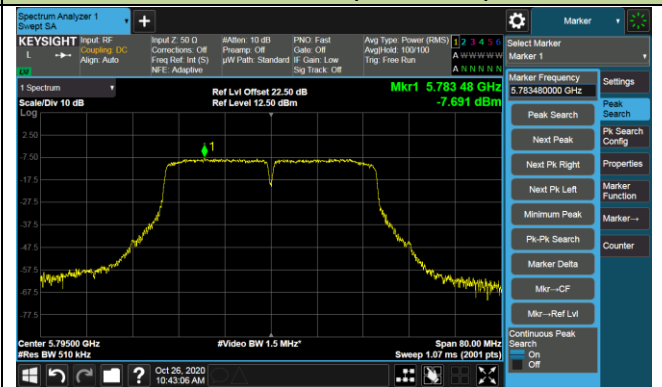
Channel 142 (5710MHz)



Channel 151 (5755MHz)

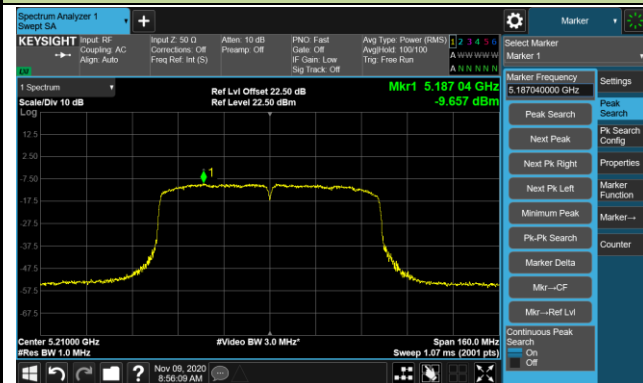


Channel 159 (5795MHz)

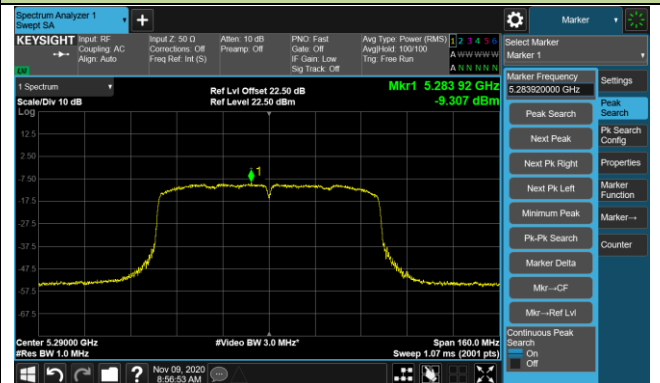


802.11ac-VHT80 Power Spectral Density

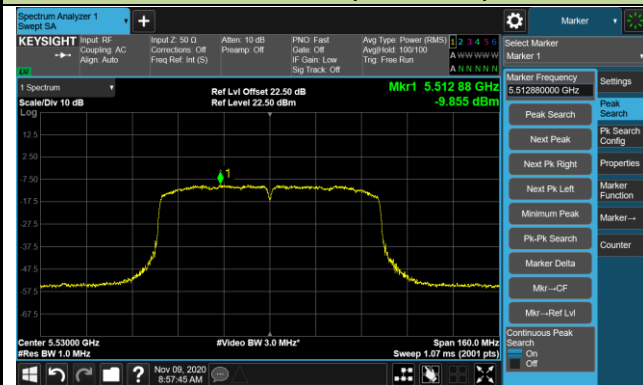
Channel 42 (5210MHz)



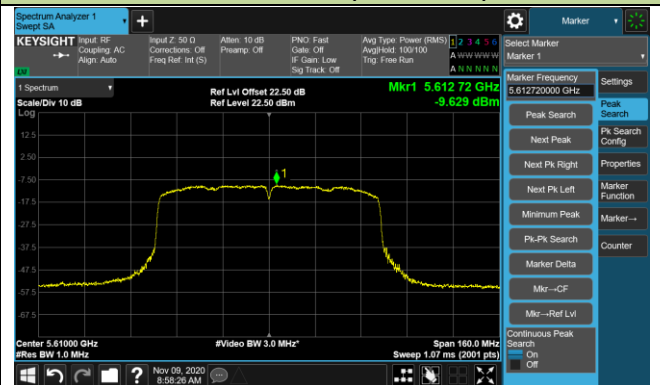
Channel 58 (5290MHz)



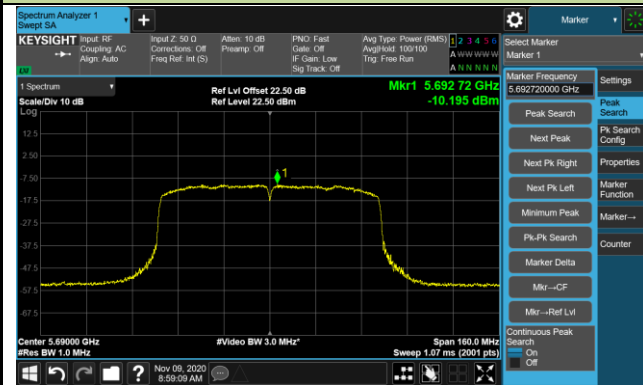
Channel 106 (5530MHz)



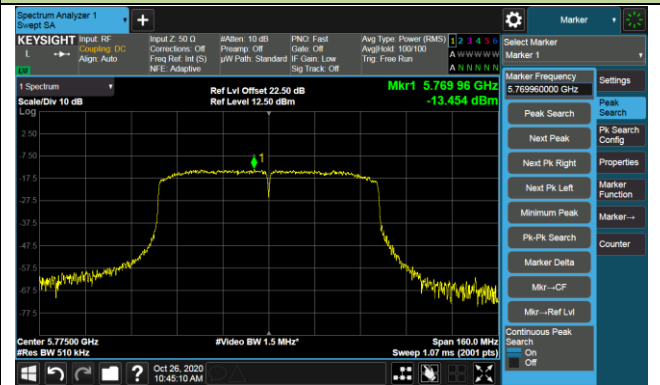
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



6.7. Frequency Stability Measurement

6.7.1. Test Limit

Manufacturers of U-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.

6.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

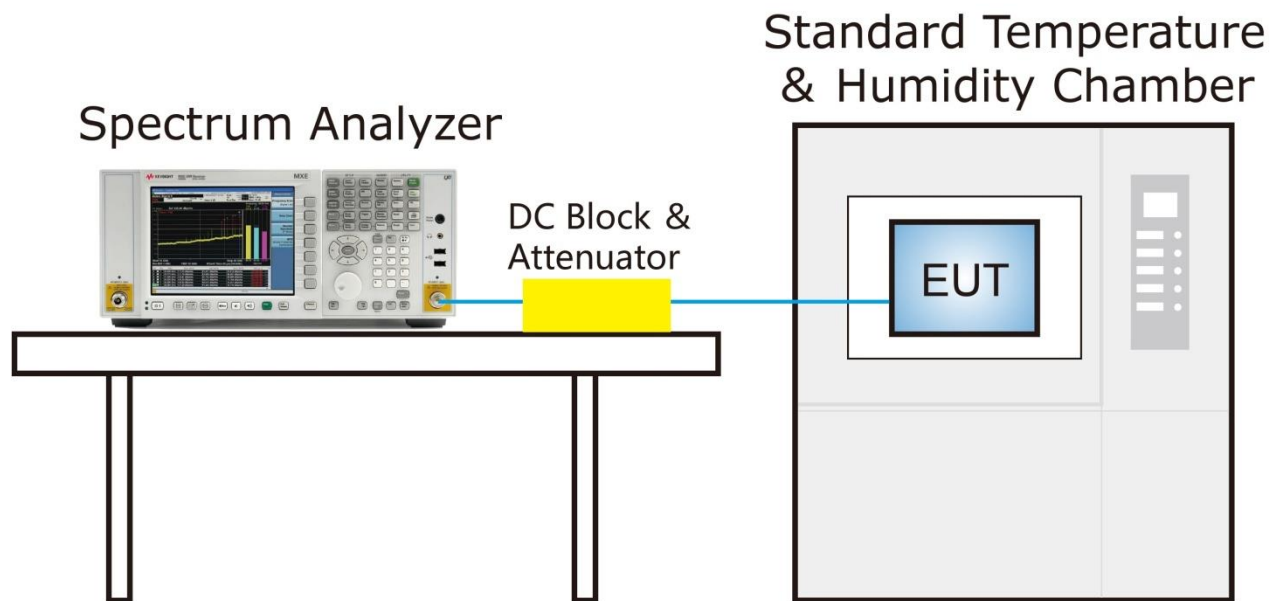
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 ($\pm 15\%$) and endpoint, record the maximum frequency change. For hand-carried battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

6.7.3. Test Setup



6.7.4. Test Result

Product	Mobile Computer	Test Engineer	Chase Zhu
Test Site	SIP-SR5	Test Time	2020/11/12
Test Mode	5180MHz (Carrier Mode)		

Voltage (%)	Power (V _{DC})	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	3.80	- 30	-3.45	-3.39	-3.48	-3.46
		- 20	-3.05	-3.11	-3.15	-3.14
		- 10	-2.38	-2.35	-2.39	-2.41
		0	-2.62	-2.88	-2.81	-2.71
		+ 10	-3.60	-3.51	-3.48	-3.54
		+ 20 (Ref)	-4.96	-5.00	-5.05	-4.98
		+ 30	-7.00	-6.89	-7.05	-7.09
		+ 40	-8.67	-8.61	-8.70	-8.62
		+ 50	-9.13	-9.15	-9.16	-9.08
Battery Upper	4.35	+ 20	-5.60	-5.55	-5.59	-5.62
Battery Endpoint	3.45	+ 20	-5.69	-5.69	-5.66	-5.61

Note 1: Frequency Tolerance (ppm) = {[Measured Frequency (MHz) - Declared Frequency (MHz)] / Declared Frequency (MHz)} * 10⁶.

Note 2: Battery upper voltage is 4.35Vdc, battery endpoint voltage is 3.45Vdc, which are declared by the manufacturer.

6.8. Radiated Spurious Emission Measurement

6.8.1. 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 ($\mu\text{V/m}$)	Measured Distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.8.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

6.8.3. 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
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

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

Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method VB)

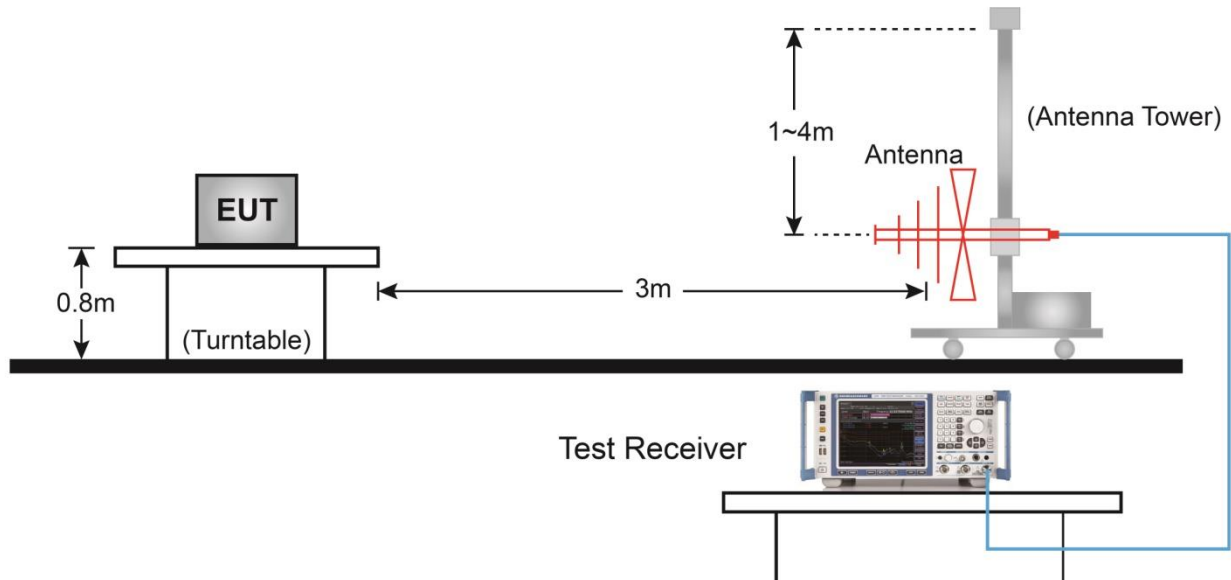
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz

If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$. T is the minimum transmission duration

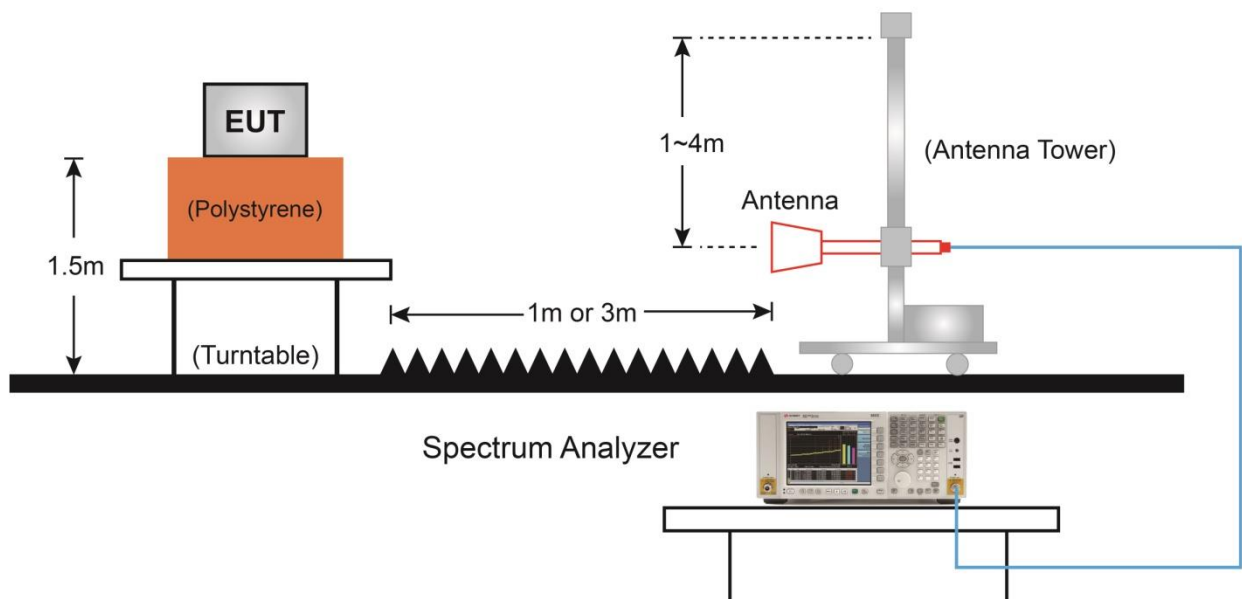
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.8.5. Test Result

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11106.5	-3.7	50.3	46.6	74.0	-27.4	Peak	Horizontal
	12543.0	-3.0	50.5	47.5	74.0	-26.5	Peak	Horizontal
*	14957.0	2.2	47.7	49.9	68.2	-18.3	Peak	Horizontal
*	16835.5	4.7	48.1	52.8	68.2	-15.4	Peak	Horizontal
	11183.0	-3.8	50.6	46.8	74.0	-27.2	Peak	Vertical
	11650.5	-3.5	51.0	47.5	74.0	-26.5	Peak	Vertical
*	15042.0	2.6	49.4	52.0	68.2	-16.2	Peak	Vertical
*	16776.0	5.1	47.1	52.2	68.2	-16.0	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11251.0	-3.7	50.7	47.0	74.0	-27.0	Peak	Horizontal
	12407.0	-2.6	49.5	46.9	74.0	-27.1	Peak	Horizontal
*	13843.5	0.4	49.8	50.2	68.2	-18.0	Peak	Horizontal
*	17405.0	4.7	47.9	52.6	68.2	-15.6	Peak	Horizontal
	10809.0	-3.3	50.7	47.4	74.0	-26.6	Peak	Vertical
	12543.0	-3.0	50.6	47.6	74.0	-26.4	Peak	Vertical
*	14940.0	2.5	48.2	50.7	68.2	-17.5	Peak	Vertical
*	17371.0	5.5	47.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11072.5	-3.3	50.2	46.9	74.0	-27.1	Peak	Horizontal
	12594.0	-2.7	51.3	48.6	74.0	-25.4	Peak	Horizontal
*	14285.5	1.4	49.0	50.4	68.2	-17.8	Peak	Horizontal
*	17473.0	5.1	48.6	53.7	68.2	-14.5	Peak	Horizontal
	10979.0	-3.2	49.1	45.9	74.0	-28.1	Peak	Vertical
	11990.5	-3.2	50.1	46.9	74.0	-27.1	Peak	Vertical
*	13911.5	0.4	47.8	48.2	68.2	-20.0	Peak	Vertical
*	16827.0	4.8	46.9	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	11004.5	-3.4	50.8	47.4	74.0	-26.6	Peak	Horizontal
	12101.0	-3.2	50.6	47.4	74.0	-26.6	Peak	Horizontal
*	14081.5	0.9	48.9	49.8	68.2	-18.4	Peak	Horizontal
*	17422.0	5.4	47.3	52.7	68.2	-15.5	Peak	Horizontal
	11030.0	-3.3	49.4	46.1	74.0	-27.9	Peak	Vertical
	11778.0	-3.4	50.4	47.0	74.0	-27.0	Peak	Vertical
*	14906.0	2.3	47.6	49.9	68.2	-18.3	Peak	Vertical
*	16376.5	4.5	48.1	52.6	68.2	-15.6	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	11990.5	-3.2	50.7	47.5	74.0	-26.5	Peak	Horizontal
*	13095.5	-2.2	50.2	48.0	68.2	-20.2	Peak	Horizontal
*	13988.0	0.6	49.5	50.1	68.2	-18.1	Peak	Horizontal
	15458.5	3.0	47.6	50.6	74.0	-23.4	Peak	Horizontal
	12177.5	-3.4	50.2	46.8	74.0	-27.2	Peak	Vertical
*	13665.0	-0.5	50.1	49.6	68.2	-18.6	Peak	Vertical
*	14931.5	2.6	48.6	51.2	68.2	-17.0	Peak	Vertical
	16079.0	3.7	48.2	51.9	74.0	-22.1	Peak	Vertical

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

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	12288.0	-3.3	51.1	47.8	74.0	-26.2	Peak	Horizontal
*	13886.0	0.4	49.4	49.8	68.2	-18.4	Peak	Horizontal
*	15050.5	2.5	48.2	50.7	68.2	-17.5	Peak	Horizontal
	17949.0	5.9	48.6	54.5	74.0	-19.5	Peak	Horizontal
	12220.0	-3.2	49.2	46.0	74.0	-28.0	Peak	Vertical
*	13971.0	0.8	49.4	50.2	68.2	-18.0	Peak	Vertical
*	14923.0	2.7	47.3	50.0	68.2	-18.2	Peak	Vertical
	15560.5	2.9	46.1	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	12339.0	-3.4	50.8	47.4	74.0	-26.6	Peak	Horizontal
*	13809.5	0.0	50.6	50.6	68.2	-17.6	Peak	Horizontal
*	14821.0	2.5	47.7	50.2	68.2	-18.0	Peak	Horizontal
	16062.0	4.3	46.9	51.2	74.0	-22.8	Peak	Horizontal
	11599.5	-3.6	50.3	46.7	74.0	-27.3	Peak	Vertical
*	12823.5	-2.5	49.9	47.4	68.2	-20.8	Peak	Vertical
*	14166.5	1.0	47.5	48.5	68.2	-19.7	Peak	Vertical
	15450.0	3.1	47.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	12092.5	-3.3	50.5	47.2	74.0	-26.8	Peak	Horizontal
*	14243.0	1.3	48.9	50.2	68.2	-18.0	Peak	Horizontal
*	16886.5	4.8	47.3	52.1	68.2	-16.1	Peak	Horizontal
	17855.5	5.6	47.9	53.5	74.0	-20.5	Peak	Horizontal
	11999.0	-2.9	50.7	47.8	74.0	-26.2	Peak	Vertical
	15722.0	3.1	47.0	50.1	74.0	-23.9	Peak	Vertical
*	16495.5	4.5	47.4	51.9	68.2	-16.3	Peak	Vertical
	17915.0	5.7	47.9	53.6	74.0	-20.4	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	11786.5	-3.6	50.7	47.1	74.0	-26.9	Peak	Horizontal
*	13962.5	0.7	49.4	50.1	68.2	-18.1	Peak	Horizontal
*	15093.0	2.5	47.3	49.8	68.2	-18.4	Peak	Horizontal
	15747.5	3.7	46.8	50.5	74.0	-23.5	Peak	Horizontal
	12602.5	-2.7	49.6	46.9	74.0	-27.1	Peak	Vertical
*	13843.5	0.4	49.2	49.6	68.2	-18.6	Peak	Vertical
*	14736.0	2.2	47.6	49.8	68.2	-18.4	Peak	Vertical
	15722.0	3.1	47.0	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11a	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
	12339.0	-3.4	50.1	46.7	74.0	-27.3	Peak	Horizontal
*	13852.0	0.4	50.2	50.6	68.2	-17.6	Peak	Horizontal
	15858.0	3.1	47.8	50.9	74.0	-23.1	Peak	Horizontal
*	17422.0	5.4	47.3	52.7	68.2	-15.5	Peak	Horizontal
	12339.0	-3.4	51.0	47.6	74.0	-26.4	Peak	Vertical
*	13988.0	0.6	49.8	50.4	68.2	-17.8	Peak	Vertical
*	15135.5	2.6	47.9	50.5	68.2	-17.7	Peak	Vertical
	16079.0	3.7	47.6	51.3	74.0	-22.7	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11a	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11489.0	59.7	-3.1	56.6	74.0	-17.4	Peak	Horizontal
	11490.3	50.8	-3.2	47.6	54.0	-6.4	Average	Horizontal
*	13724.5	50.1	-0.3	49.8	68.2	-18.4	Peak	Horizontal
*	14906.0	47.9	2.3	50.2	68.2	-18.0	Peak	Horizontal
	15747.5	48.0	3.7	51.7	74.0	-22.3	Peak	Horizontal
	11489.0	58.1	-3.1	55.0	74.0	-19.0	Peak	Vertical
	11490.2	47.6	-3.2	44.4	54.0	-9.6	Average	Vertical
*	13758.5	49.2	0.0	49.2	68.2	-19.0	Peak	Vertical
*	15263.0	47.2	3.1	50.3	68.2	-17.9	Peak	Vertical
	16062.0	47.1	4.3	51.4	74.0	-22.6	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11a	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11570.0	61.9	-3.7	58.2	74.0	-15.8	Peak	Horizontal
	11570.0	51.3	-3.7	47.6	54.0	-6.4	Average	Horizontal
	12109.5	50.3	-3.1	47.2	74.0	-26.8	Peak	Horizontal
*	14141.0	48.6	1.2	49.8	68.2	-18.4	Peak	Horizontal
*	17362.5	49.9	5.0	54.9	68.2	-13.3	Peak	Horizontal
	11570.0	57.8	-3.7	54.1	74.0	-19.9	Peak	Vertical
	11570.0	45.0	-3.7	41.3	54.0	-12.7	Average	Vertical
*	13988.0	49.1	0.6	49.7	68.2	-18.5	Peak	Vertical
*	15305.5	47.2	2.8	50.0	68.2	-18.2	Peak	Vertical
	16045.0	47.5	3.7	51.2	74.0	-22.8	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11a	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11650.5	61.6	-3.5	58.1	74.0	-15.9	Peak	Horizontal
	11650.7	52.0	-3.5	48.5	54.0	-5.5	Average	Horizontal
	12696.0	49.5	-2.5	47.0	74.0	-27.0	Peak	Horizontal
*	15237.5	47.2	3.0	50.2	68.2	-18.0	Peak	Horizontal
*	17481.5	49.7	5.2	54.9	68.2	-13.3	Peak	Horizontal
	11650.5	56.2	-3.5	52.7	74.0	-21.3	Peak	Vertical
*	13835.0	49.0	0.3	49.3	68.2	-18.9	Peak	Vertical
*	15212.0	47.8	2.9	50.7	68.2	-17.5	Peak	Vertical
	15594.5	48.1	2.3	50.4	74.0	-23.6	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11897.0	-3.3	51.4	48.1	74.0	-25.9	Peak	Horizontal
*	12806.5	-2.5	50.1	47.6	68.2	-20.6	Peak	Horizontal
*	14268.5	1.2	48.6	49.8	68.2	-18.4	Peak	Horizontal
	15560.5	2.9	48.5	51.4	74.0	-22.6	Peak	Horizontal
	12407.0	-2.6	49.7	47.1	74.0	-26.9	Peak	Vertical
*	13835.0	0.3	49.3	49.6	68.2	-18.6	Peak	Vertical
*	14795.5	2.2	48.3	50.5	68.2	-17.7	Peak	Vertical
	15722.0	3.1	47.2	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	12398.5	-2.9	50.2	47.3	74.0	-26.7	Peak	Horizontal
*	12951.0	-2.6	49.1	46.5	68.2	-21.7	Peak	Horizontal
*	14073.0	1.0	49.1	50.1	68.2	-18.1	Peak	Horizontal
	15849.5	3.5	47.4	50.9	74.0	-23.1	Peak	Horizontal
	12322.0	-3.2	50.1	46.9	74.0	-27.1	Peak	Vertical
*	13826.5	0.3	49.5	49.8	68.2	-18.4	Peak	Vertical
	15569.0	2.8	47.7	50.5	74.0	-23.5	Peak	Vertical
*	17422.0	5.4	47.8	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	12628.0	-2.6	50.0	47.4	74.0	-26.6	Peak	Horizontal
*	14107.0	0.6	49.3	49.9	68.2	-18.3	Peak	Horizontal
*	14812.5	2.5	47.9	50.4	68.2	-17.8	Peak	Horizontal
	15637.0	2.6	46.1	48.7	74.0	-25.3	Peak	Horizontal
	12611.0	-2.7	50.1	47.4	74.0	-26.6	Peak	Vertical
*	13894.5	0.4	49.5	49.9	68.2	-18.3	Peak	Vertical
*	14821.0	2.5	47.5	50.0	68.2	-18.2	Peak	Vertical
	15492.5	2.8	48.6	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	12517.5	-2.8	49.9	47.1	74.0	-26.9	Peak	Horizontal
*	13988.0	0.6	48.9	49.5	68.2	-18.7	Peak	Horizontal
*	14948.5	2.3	46.5	48.8	68.2	-19.4	Peak	Horizontal
	15832.5	3.8	46.5	50.3	74.0	-23.7	Peak	Horizontal
	12339.0	-3.4	50.6	47.2	74.0	-26.8	Peak	Vertical
*	13733.0	0.0	49.7	49.7	68.2	-18.5	Peak	Vertical
*	14923.0	2.7	47.6	50.3	68.2	-17.9	Peak	Vertical
	15832.5	3.8	47.1	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	12092.5	-3.3	50.4	47.1	74.0	-26.9	Peak	Horizontal
*	13758.5	0.0	49.3	49.3	68.2	-18.9	Peak	Horizontal
*	15016.5	2.2	46.7	48.9	68.2	-19.3	Peak	Horizontal
	15849.5	3.5	46.8	50.3	74.0	-23.7	Peak	Horizontal
	12466.5	-3.2	49.9	46.7	74.0	-27.3	Peak	Vertical
*	13877.5	0.4	49.5	49.9	68.2	-18.3	Peak	Vertical
*	14846.5	2.2	48.7	50.9	68.2	-17.3	Peak	Vertical
	15773.0	3.2	47.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	12203.0	-3.2	50.3	47.1	74.0	-26.9	Peak	Horizontal
*	12815.0	-2.3	50.4	48.1	68.2	-20.1	Peak	Horizontal
*	14073.0	1.0	49.0	50.0	68.2	-18.2	Peak	Horizontal
	15552.0	2.9	47.3	50.2	74.0	-23.8	Peak	Horizontal
	11999.0	-2.9	50.0	47.1	74.0	-26.9	Peak	Vertical
*	13665.0	-0.5	48.0	47.5	68.2	-20.7	Peak	Vertical
	15756.0	3.6	46.9	50.5	74.0	-23.5	Peak	Vertical
*	16716.5	4.7	48.3	53.0	68.2	-15.2	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	11999.0	-2.9	49.7	46.8	74.0	-27.2	Peak	Horizontal
*	13852.0	0.4	49.4	49.8	68.2	-18.4	Peak	Horizontal
	15739.0	3.8	46.7	50.5	74.0	-23.5	Peak	Horizontal
*	17150.0	4.8	47.6	52.4	68.2	-15.8	Peak	Horizontal
	12356.0	-3.4	50.5	47.1	74.0	-26.9	Peak	Vertical
*	13614.0	-0.8	49.9	49.1	68.2	-19.1	Peak	Vertical
	15739.0	3.8	47.5	51.3	74.0	-22.7	Peak	Vertical
*	16376.5	4.5	48.2	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	12645.0	-2.6	49.6	47.0	74.0	-27.0	Peak	Horizontal
*	14056.0	0.9	48.6	49.5	68.2	-18.7	Peak	Horizontal
*	14812.5	2.5	47.4	49.9	68.2	-18.3	Peak	Horizontal
	15790.0	3.1	47.6	50.7	74.0	-23.3	Peak	Horizontal
	12143.5	-3.5	50.3	46.8	74.0	-27.2	Peak	Vertical
*	14243.0	1.3	48.9	50.2	68.2	-18.0	Peak	Vertical
*	15271.5	2.9	47.2	50.1	68.2	-18.1	Peak	Vertical
	15637.0	2.6	46.9	49.5	74.0	-24.5	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	11999.0	-2.9	49.3	46.4	74.0	-27.6	Peak	Horizontal
*	14209.0	1.0	49.2	50.2	68.2	-18.0	Peak	Horizontal
*	14923.0	2.7	47.6	50.3	68.2	-17.9	Peak	Horizontal
	15739.0	3.8	47.2	51.0	74.0	-23.0	Peak	Horizontal
*	14277.0	1.2	48.7	49.9	68.2	-18.3	Peak	Vertical
	16045.0	3.7	47.9	51.6	74.0	-22.4	Peak	Vertical
*	17320.0	5.1	47.9	53.0	68.2	-15.2	Peak	Vertical
	17838.5	5.5	48.9	54.4	74.0	-19.6	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT20	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
	12611.0	-2.7	50.3	47.6	74.0	-26.4	Peak	Horizontal
*	13818.0	0.2	50.3	50.5	68.2	-17.7	Peak	Horizontal
*	15246.0	3.0	47.2	50.2	68.2	-18.0	Peak	Horizontal
	15705.0	2.3	45.7	48.0	74.0	-26.0	Peak	Horizontal
	12645.0	-2.6	49.8	47.2	74.0	-26.8	Peak	Vertical
*	13843.5	0.4	48.6	49.0	68.2	-19.2	Peak	Vertical
*	14880.5	2.3	47.8	50.1	68.2	-18.1	Peak	Vertical
	15747.5	3.7	47.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11ac-VHT20	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11490.0	59.8	-3.1	56.7	74.0	-17.3	Peak	Horizontal
	11490.0	50.0	-3.2	46.8	54.0	-7.2	Average	Horizontal
	12228.5	50.0	-3.2	46.8	74.0	-27.2	Peak	Horizontal
*	13767.0	49.3	0.0	49.3	68.2	-18.9	Peak	Horizontal
*	14965.5	48.4	2.3	50.7	68.2	-17.5	Peak	Horizontal
	11490.2	58.3	-3.1	55.2	74.0	-18.8	Peak	Vertical
	11490.2	46.7	-3.2	43.5	54.0	-10.5	Average	Vertical
	12288.0	50.7	-3.3	47.4	74.0	-26.6	Peak	Vertical
*	13877.5	48.9	0.4	49.3	68.2	-18.9	Peak	Vertical
*	16521.0	47.6	3.9	51.5	68.2	-16.7	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11ac-VHT20	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11570.5	62.0	-3.7	58.3	74.0	-15.7	Peak	Horizontal
	11570.5	51.9	-3.7	48.2	54.0	-5.8	Average	Horizontal
	12109.5	50.1	-3.1	47.0	74.0	-27.0	Peak	Horizontal
*	16801.5	48.5	4.7	53.2	68.2	-15.0	Peak	Horizontal
*	17362.5	49.4	5.0	54.4	68.2	-13.8	Peak	Horizontal
	11574.0	56.2	-3.7	52.5	74.0	-21.5	Peak	Vertical
	12092.5	50.5	-3.3	47.2	74.0	-26.8	Peak	Vertical
*	13903.0	48.6	0.4	49.0	68.2	-19.2	Peak	Vertical
*	17362.5	48.0	5.0	53.0	68.2	-15.2	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11ac-VHT20	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11650.5	63.3	-3.5	59.8	74.0	-14.2	Peak	Horizontal
	11650.5	51.6	-3.6	48.0	54.0	-6.0	Average	Horizontal
	12118.0	50.3	-3.0	47.3	74.0	-26.7	Peak	Horizontal
*	14047.5	48.5	0.9	49.4	68.2	-18.8	Peak	Horizontal
*	17473.0	49.8	5.1	54.9	68.2	-13.3	Peak	Horizontal
	10766.5	50.2	-3.6	46.6	74.0	-27.4	Peak	Vertical
	11650.5	56.5	-3.5	53.0	74.0	-21.0	Peak	Vertical
	11650.5	47.1	-3.6	43.5	54.0	-10.5	Average	Vertical
*	13767.0	51.7	0.0	51.7	68.2	-16.5	Peak	Vertical
*	16776.0	46.8	5.1	51.9	68.2	-16.3	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	Test Channel	38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	12262.5	-3.6	51.2	47.6	74.0	-26.4	Peak	Horizontal
*	14345.0	1.6	48.8	50.4	68.2	-17.8	Peak	Horizontal
*	14948.5	2.3	46.8	49.1	68.2	-19.1	Peak	Horizontal
	16147.0	4.1	48.1	52.2	74.0	-21.8	Peak	Horizontal
	12330.5	-3.3	49.0	45.7	74.0	-28.3	Peak	Vertical
*	13886.0	0.4	48.9	49.3	68.2	-18.9	Peak	Vertical
*	14719.0	2.1	48.0	50.1	68.2	-18.1	Peak	Vertical
	15747.5	3.7	46.9	50.6	74.0	-23.4	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	Test Channel	46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	12628.0	-2.6	49.9	47.3	74.0	-26.7	Peak	Horizontal
*	13631.0	-0.7	49.9	49.2	68.2	-19.0	Peak	Horizontal
*	15152.5	2.8	47.9	50.7	68.2	-17.5	Peak	Horizontal
	15960.0	3.5	47.6	51.1	74.0	-22.9	Peak	Horizontal
	12186.0	-3.3	50.6	47.3	74.0	-26.7	Peak	Vertical
*	14081.5	0.9	49.4	50.3	68.2	-17.9	Peak	Vertical
*	14821.0	2.5	47.7	50.2	68.2	-18.0	Peak	Vertical
	15764.5	3.4	47.2	50.6	74.0	-23.4	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	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
	13333.5	-1.4	50.2	48.8	74.0	-25.2	Peak	Horizontal
*	14914.5	2.5	48.2	50.7	68.2	-17.5	Peak	Horizontal
	15824.0	3.7	47.9	51.6	74.0	-22.4	Peak	Horizontal
*	17685.5	5.3	48.2	53.5	68.2	-14.7	Peak	Horizontal
	12339.0	-3.4	50.2	46.8	74.0	-27.2	Peak	Vertical
*	13818.0	0.2	48.4	48.6	68.2	-19.6	Peak	Vertical
*	15016.5	2.2	46.9	49.1	68.2	-19.1	Peak	Vertical
	15705.0	2.3	45.2	47.5	74.0	-26.5	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	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
	12007.5	-3.1	51.2	48.1	74.0	-25.9	Peak	Horizontal
*	14464.0	1.9	49.6	51.5	68.2	-16.7	Peak	Horizontal
	15645.5	2.7	47.0	49.7	74.0	-24.3	Peak	Horizontal
*	16682.5	4.7	48.3	53.0	68.2	-15.2	Peak	Horizontal
	12220.0	-3.2	48.5	45.3	74.0	-28.7	Peak	Vertical
*	14056.0	0.9	48.8	49.7	68.2	-18.5	Peak	Vertical
*	14685.0	1.7	46.9	48.6	68.2	-19.6	Peak	Vertical
	15560.5	2.9	45.7	48.6	74.0	-25.4	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	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
*	13172.0	-2.2	49.9	47.7	68.2	-20.5	Peak	Horizontal
*	14251.5	1.3	48.9	50.2	68.2	-18.0	Peak	Horizontal
	15543.5	2.7	47.4	50.1	74.0	-23.9	Peak	Horizontal
	17957.5	5.9	48.1	54.0	74.0	-20.0	Peak	Horizontal
	17957.5	5.9	34.7	40.6	54.0	-13.4	Average	Horizontal
	12109.5	-3.1	50.6	47.5	74.0	-26.5	Peak	Vertical
*	13852.0	0.4	49.1	49.5	68.2	-18.7	Peak	Vertical
*	15331.0	3.1	48.3	51.4	68.2	-16.8	Peak	Vertical
	15968.5	3.3	48.0	51.3	74.0	-22.7	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	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
	12381.5	-3.4	50.3	46.9	74.0	-27.1	Peak	Horizontal
*	13886.0	0.4	49.3	49.7	68.2	-18.5	Peak	Horizontal
*	15271.5	2.9	48.0	50.9	68.2	-17.3	Peak	Horizontal
	15773.0	3.2	45.5	48.7	74.0	-25.3	Peak	Horizontal
	11982.0	-3.5	50.8	47.3	74.0	-26.7	Peak	Vertical
*	14345.0	1.6	48.5	50.1	68.2	-18.1	Peak	Vertical
*	14761.5	2.0	48.2	50.2	68.2	-18.0	Peak	Vertical
	16062.0	4.3	45.9	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	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
	12407.0	-2.6	50.3	47.7	74.0	-26.3	Peak	Horizontal
*	13852.0	0.4	46.9	47.3	68.2	-20.9	Peak	Horizontal
*	14812.5	2.5	46.6	49.1	68.2	-19.1	Peak	Horizontal
	15985.5	3.1	45.8	48.9	74.0	-25.1	Peak	Horizontal
*	13792.5	-0.3	47.7	47.4	68.2	-20.8	Peak	Vertical
	15832.5	3.8	46.7	50.5	74.0	-23.5	Peak	Vertical
*	16810.0	4.6	48.0	52.6	68.2	-15.6	Peak	Vertical
	17949.0	5.9	47.4	53.3	74.0	-20.7	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT40	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
	12092.5	-3.3	50.4	47.1	74.0	-26.9	Peak	Horizontal
*	15101.5	2.3	49.1	51.4	68.2	-16.8	Peak	Horizontal
	15705.0	2.3	45.7	48.0	74.0	-26.0	Peak	Horizontal
*	16725.0	4.7	45.6	50.3	68.2	-17.9	Peak	Horizontal
	12245.5	-3.4	51.0	47.6	74.0	-26.4	Peak	Vertical
*	13835.0	0.3	50.3	50.6	68.2	-17.6	Peak	Vertical
*	14804.0	2.5	48.1	50.6	68.2	-17.6	Peak	Vertical
	15985.5	3.1	45.6	48.7	74.0	-25.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11ac-VHT40	Test Channel	151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11506.0	57.6	-4.0	53.6	74.0	-20.4	Peak	Horizontal
	11506.8	45.2	-4.0	41.2	54.0	-12.8	Average	Horizontal
	12118.0	49.9	-3.0	46.9	74.0	-27.1	Peak	Horizontal
*	13971.0	48.5	0.8	49.3	68.2	-18.9	Peak	Horizontal
*	16708.0	47.3	4.7	52.0	68.2	-16.2	Peak	Horizontal
	10715.5	50.7	-3.3	47.4	74.0	-26.6	Peak	Vertical
	11506.0	55.3	-4.0	51.3	74.0	-22.7	Peak	Vertical
*	14974.0	47.8	2.3	50.1	68.2	-18.1	Peak	Vertical
*	16988.5	47.8	4.7	52.5	68.2	-15.7	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11ac-VHT40	Test Channel	159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11591.0	60.4	-3.7	56.7	74.0	-17.3	Peak	Horizontal
	11590.3	49.8	-3.7	46.1	54.0	-7.9	Average	Horizontal
	12177.5	50.7	-3.4	47.3	74.0	-26.7	Peak	Horizontal
*	14804.0	47.4	2.5	49.9	68.2	-18.3	Peak	Horizontal
*	17371.0	48.4	5.5	53.9	68.2	-14.3	Peak	Horizontal
	11599.5	54.7	-3.6	51.1	74.0	-22.9	Peak	Vertical
*	13095.5	51.8	-2.2	49.6	68.2	-18.6	Peak	Vertical
*	14056.0	48.7	0.9	49.6	68.2	-18.6	Peak	Vertical
	16155.5	46.7	4.1	50.8	74.0	-23.2	Peak	Vertical

Test Mode 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.

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

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

Product	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT80	Test Channel	42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	12322.0	-3.2	50.1	46.9	74.0	-27.1	Peak	Horizontal
*	13911.5	0.4	48.0	48.4	68.2	-19.8	Peak	Horizontal
	15560.5	2.9	46.2	49.1	74.0	-24.9	Peak	Horizontal
*	16674.0	4.7	48.3	53.0	68.2	-15.2	Peak	Horizontal
*	13665.0	-0.5	48.2	47.7	68.2	-20.5	Peak	Vertical
*	15016.5	2.2	46.5	48.7	68.2	-19.5	Peak	Vertical
	15841.0	3.9	46.6	50.5	74.0	-23.5	Peak	Vertical
	17974.5	5.8	47.9	53.7	74.0	-20.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT80	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
	12373.0	-3.6	50.4	46.8	74.0	-27.2	Peak	Horizontal
*	13792.5	-0.3	49.1	48.8	68.2	-19.4	Peak	Horizontal
*	16589.0	4.2	47.4	51.6	68.2	-16.6	Peak	Horizontal
	17966.0	5.9	45.5	51.4	74.0	-22.6	Peak	Horizontal
	11999.0	-2.9	49.6	46.7	74.0	-27.3	Peak	Vertical
*	13554.5	-0.7	50.2	49.5	68.2	-18.7	Peak	Vertical
*	15016.5	2.2	46.3	48.5	68.2	-19.7	Peak	Vertical
	15637.0	2.6	45.7	48.3	74.0	-25.7	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT80	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
	12305.0	-3.0	50.1	47.1	74.0	-26.9	Peak	Horizontal
*	14166.5	1.0	47.4	48.4	68.2	-19.8	Peak	Horizontal
*	15220.5	2.9	46.5	49.4	68.2	-18.8	Peak	Horizontal
	15985.5	3.1	46.4	49.5	74.0	-24.5	Peak	Horizontal
	12067.0	-3.4	50.3	46.9	74.0	-27.1	Peak	Vertical
*	13979.5	0.7	47.6	48.3	68.2	-19.9	Peak	Vertical
*	15314.0	2.9	47.5	50.4	68.2	-17.8	Peak	Vertical
	15832.5	3.8	46.8	50.6	74.0	-23.4	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT80	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
	12228.5	-3.2	49.9	46.7	74.0	-27.3	Peak	Horizontal
*	14243.0	1.3	49.1	50.4	68.2	-17.8	Peak	Horizontal
	15909.0	3.2	48.3	51.5	74.0	-22.5	Peak	Horizontal
*	17422.0	5.4	47.1	52.5	68.2	-15.7	Peak	Horizontal
	12441.0	-3.4	50.8	47.4	74.0	-26.6	Peak	Vertical
*	14268.5	1.2	48.9	50.1	68.2	-18.1	Peak	Vertical
	15569.0	2.8	47.6	50.4	74.0	-23.6	Peak	Vertical
*	17371.0	5.5	47.1	52.6	68.2	-15.6	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/11/15
Test Mode	802.11ac-VHT80	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
	12398.5	-2.9	50.0	47.1	74.0	-26.9	Peak	Horizontal
*	13809.5	0.0	49.5	49.5	68.2	-18.7	Peak	Horizontal
	15849.5	3.5	47.5	51.0	74.0	-23.0	Peak	Horizontal
*	16759.0	4.6	49.0	53.6	68.2	-14.6	Peak	Horizontal
	12092.5	-3.3	50.9	47.6	74.0	-26.4	Peak	Vertical
*	14345.0	1.6	48.6	50.2	68.2	-18.0	Peak	Vertical
*	14948.5	2.3	47.8	50.1	68.2	-18.1	Peak	Vertical
	16062.0	4.3	47.4	51.7	74.0	-22.3	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	Mobile Computer	Test Engineer	White Wang
Test Site	SIP-AC3	Test Date	2020/10/22
Test Mode	802.11ac-VHT80	Test Channel	155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11548.5	56.6	-3.8	52.8	74.0	-21.2	Peak	Horizontal
	12322.0	50.1	-3.2	46.9	74.0	-27.1	Peak	Horizontal
*	14056.0	48.3	0.9	49.2	68.2	-19.0	Peak	Horizontal
*	16512.5	48.4	4.3	52.7	68.2	-15.5	Peak	Horizontal
	11531.5	56.0	-4.0	52.0	74.0	-22.0	Peak	Vertical
	12092.5	50.6	-3.3	47.3	74.0	-26.7	Peak	Vertical
*	13971.0	48.8	0.8	49.6	68.2	-18.6	Peak	Vertical
*	17014.0	48.0	4.0	52.0	68.2	-16.2	Peak	Vertical

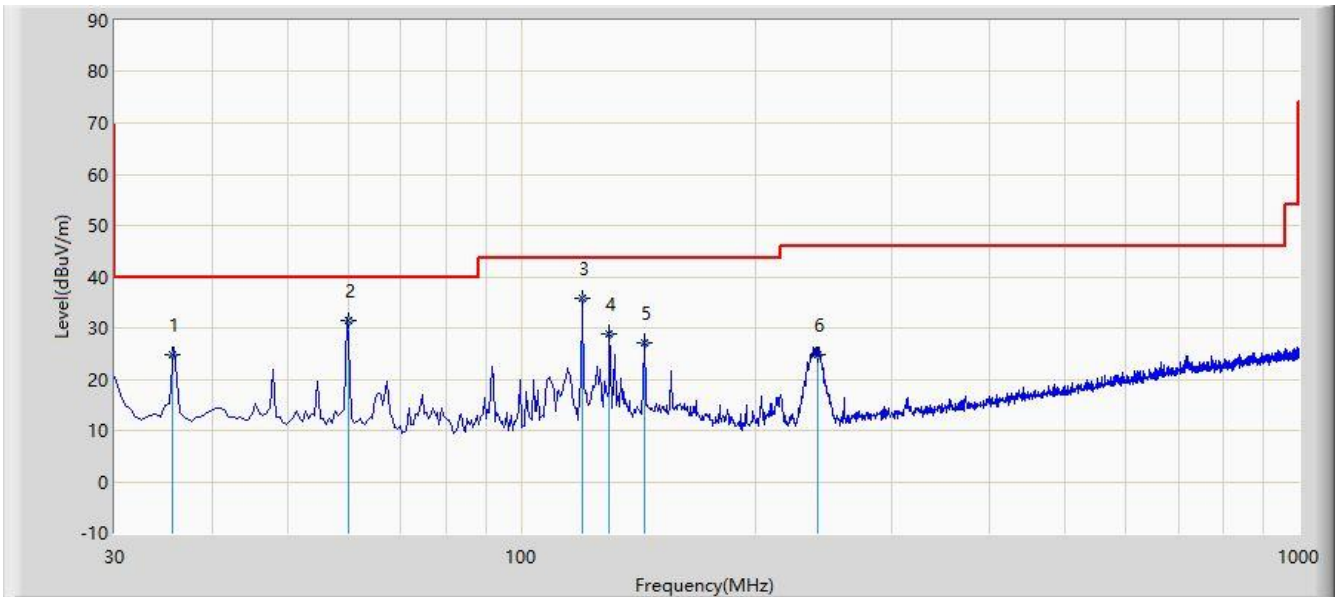
Test Mode 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Test Mode 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: SIP-AC3	Time: 2020/11/15 - 17:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: White Wang
Probe: SIP-AC3_VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11a at channel 5500MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			35.601	24.644	10.800	-15.356	40.000	13.844	QP
2			60.003	31.375	18.200	-8.625	40.000	13.175	QP
3		*	119.994	35.864	23.000	-7.636	43.500	12.864	QP
4			129.780	28.861	15.400	-14.639	43.500	13.461	QP
5			143.975	27.183	12.700	-16.317	43.500	14.483	QP
6			240.156	24.769	12.400	-21.231	46.000	12.369	QP

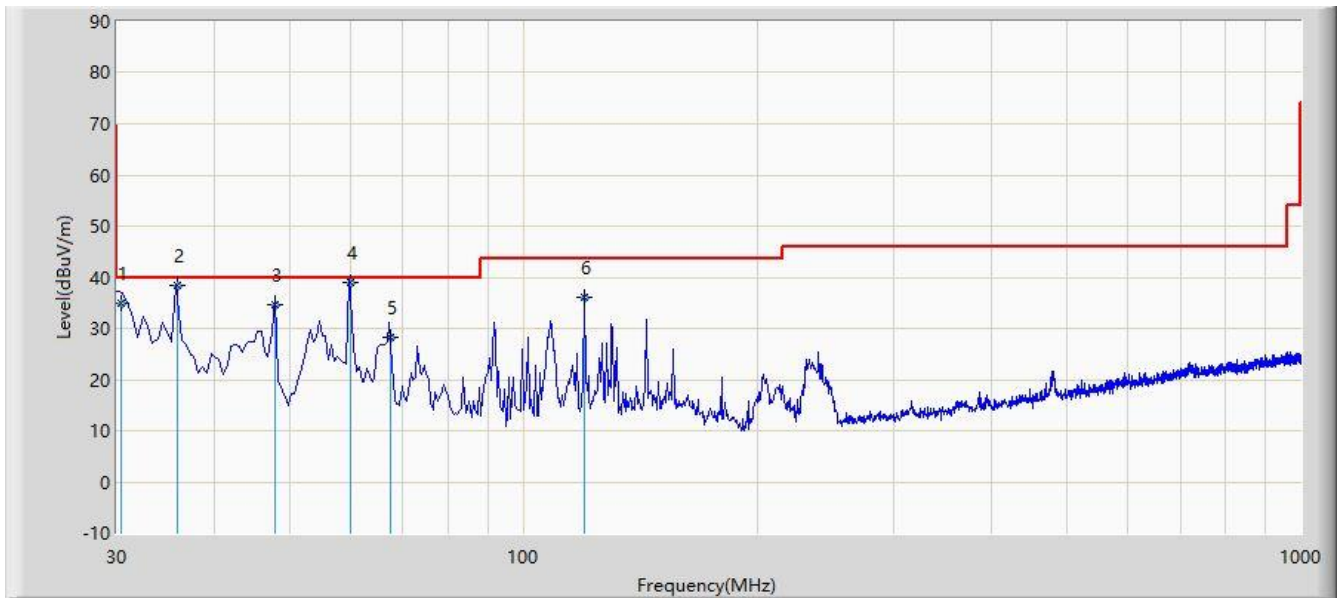
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: SIP-AC3	Time: 2020/11/15 - 17:47
Limit: FCC_Part15.209_RSE(3m)	Engineer: White Wang
Probe: SIP-AC3_VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11a at channel 5500MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			30.383	34.852	21.300	-5.148	40.000	13.552	QP
2			35.940	38.277	24.400	-1.723	40.000	13.878	QP
3			47.945	34.500	20.500	-5.500	40.000	14.000	QP
4		*	60.009	39.074	25.900	-0.926	40.000	13.174	QP
5			67.351	28.400	16.580	-11.600	40.000	11.821	QP
6			119.725	36.039	23.200	-7.461	43.500	12.838	QP

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

6.9. Radiated Restricted Band Edge Measurement

6.9.1. Test Limit

For 15.205 Requirement:

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

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
¹ 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.025 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310–2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	(²)
13.36-13.41	--	--	--

For 15.407(b) Requirement:

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

For transmitters operating in the 5.25-5.35 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 within the frequency range

from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

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

6.9.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

6.9.3.Test Setting

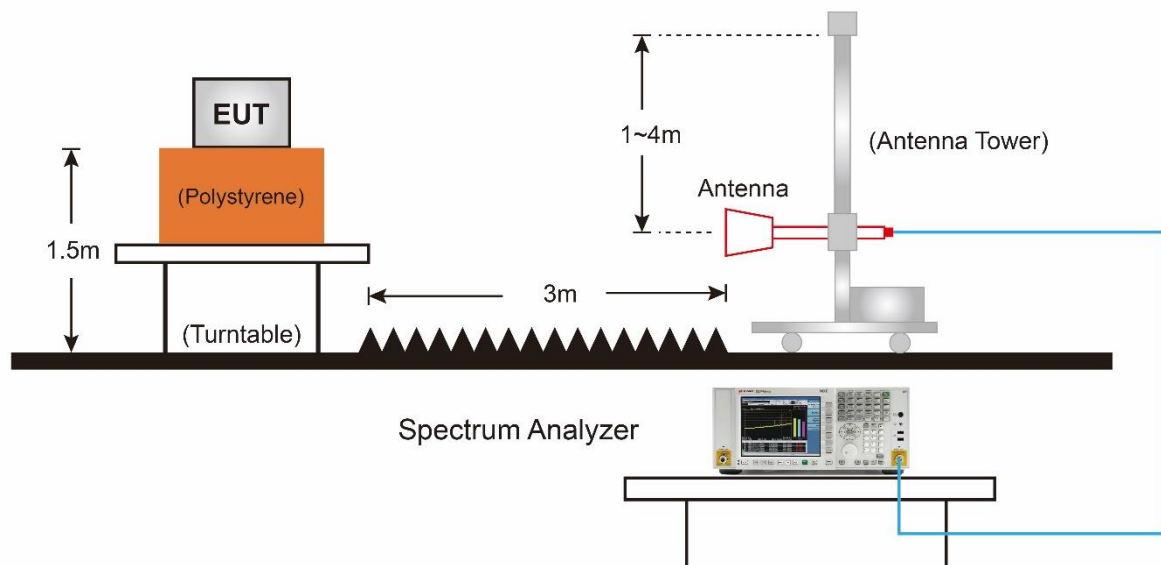
Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method VB)

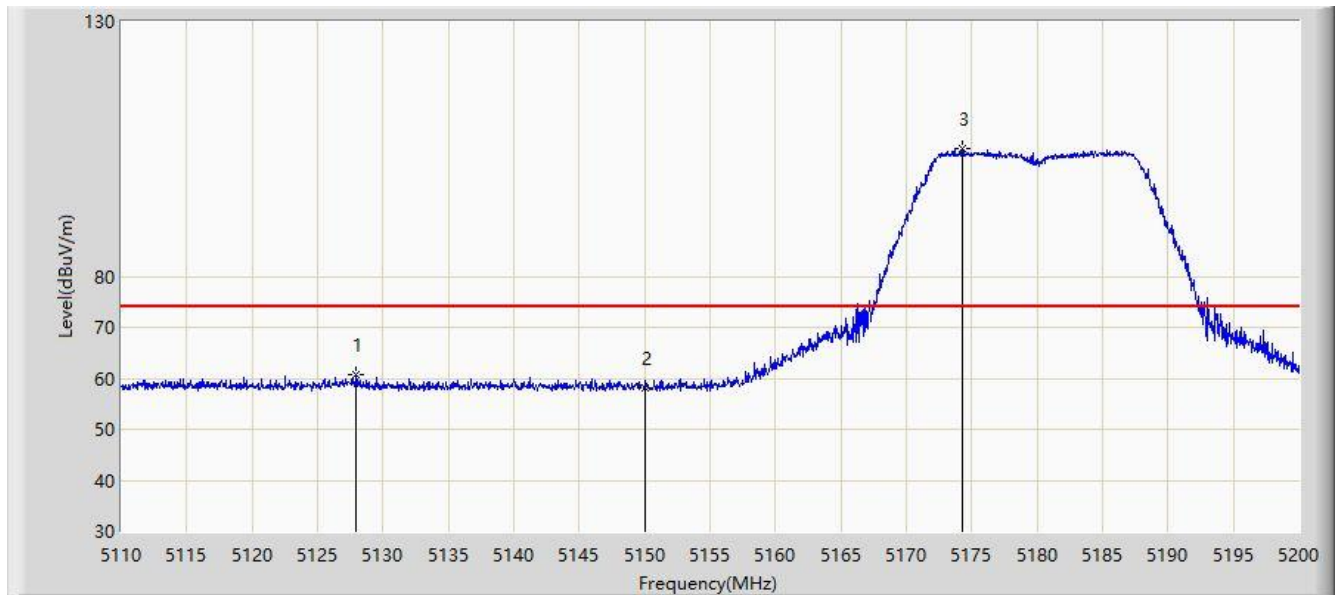
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10Hz
4. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration
5.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

6.9.4. Test Setup



6.9.5.Test Result

Site: SIP-AC3	Time: 2020/11/19 - 11:49
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	

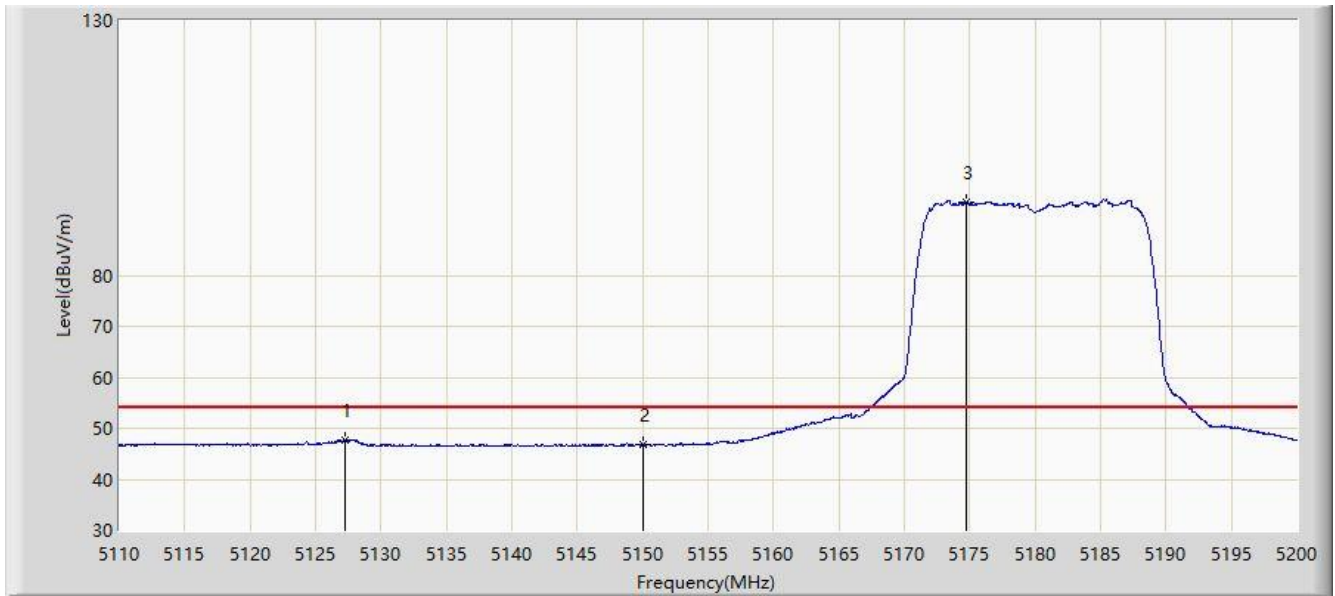


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5127.955	60.689	70.190	-13.311	74.000	-9.501	PK
2			5150.000	57.986	67.513	-16.014	74.000	-9.527	PK
3		*	5174.305	105.035	114.569	N/A	N/A	-9.533	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 11:58
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	

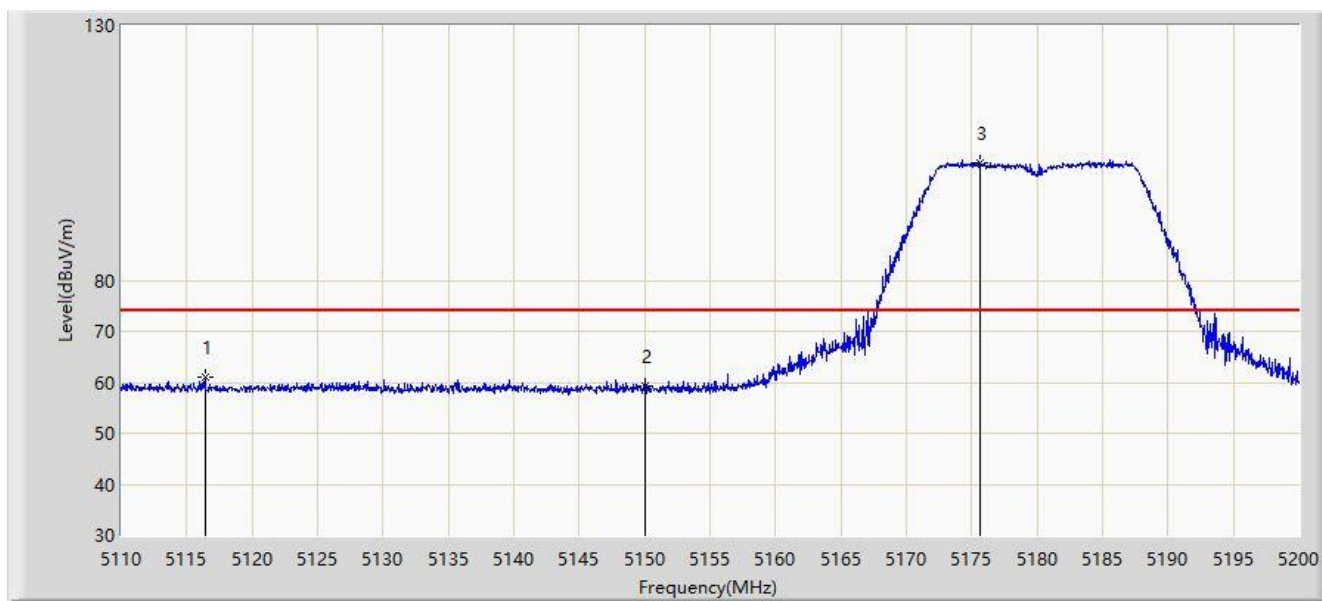


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5127.235	47.678	57.170	-6.322	54.000	-9.492	AV
2			5150.000	46.713	56.240	-7.287	54.000	-9.527	AV
3		*	5174.755	94.469	104.003	N/A	N/A	-9.535	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	

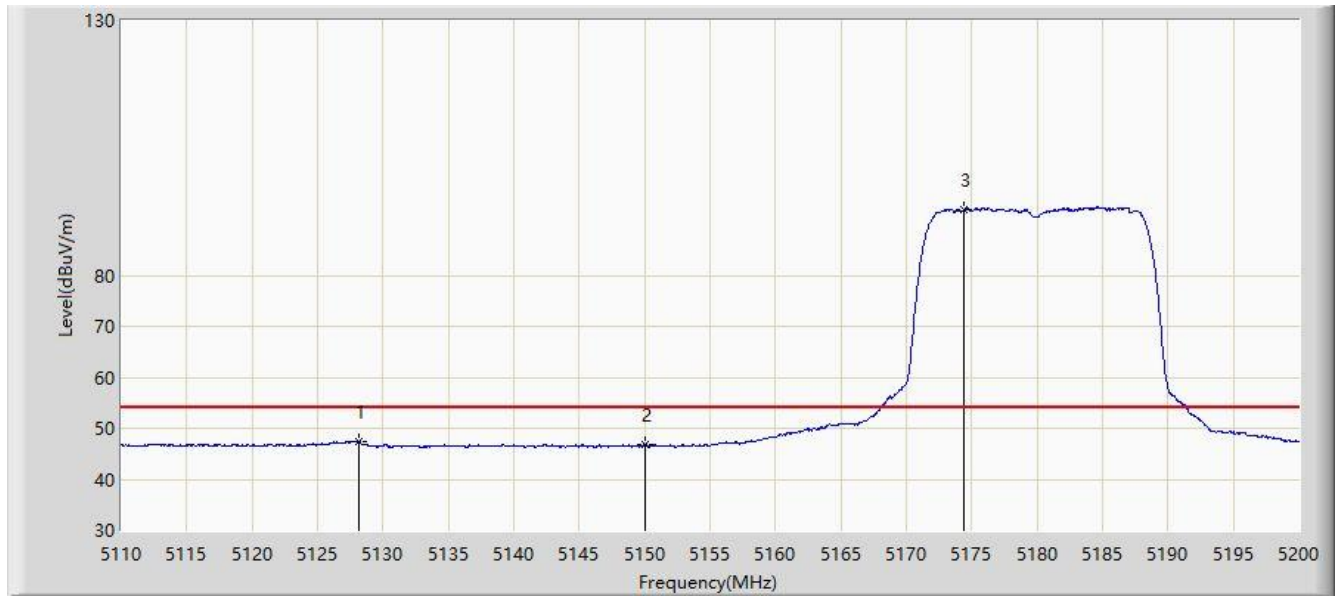


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5116.390	60.990	70.353	-13.010	74.000	-9.363	PK
2			5150.000	59.198	68.725	-14.802	74.000	-9.527	PK
3		*	5175.655	103.142	112.678	N/A	N/A	-9.535	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 12:02
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	

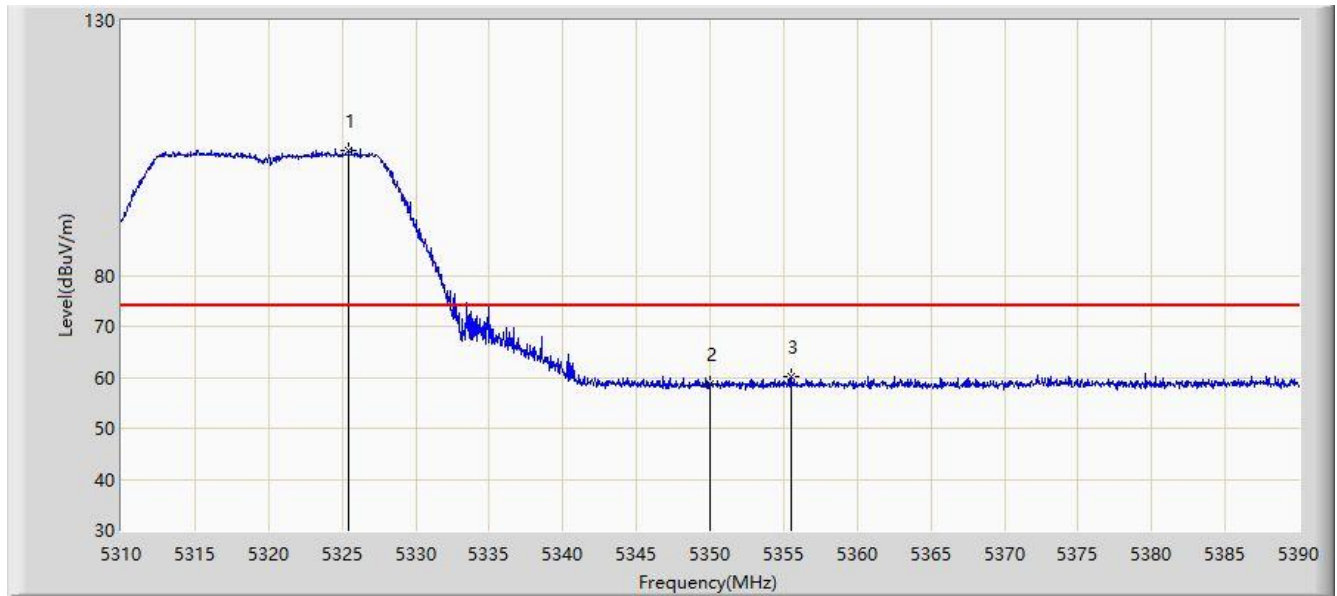


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.180	47.335	56.838	-6.665	54.000	-9.503	AV
2			5150.000	46.823	56.350	-7.177	54.000	-9.527	AV
3		*	5174.440	92.941	102.475	N/A	N/A	-9.535	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:05
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

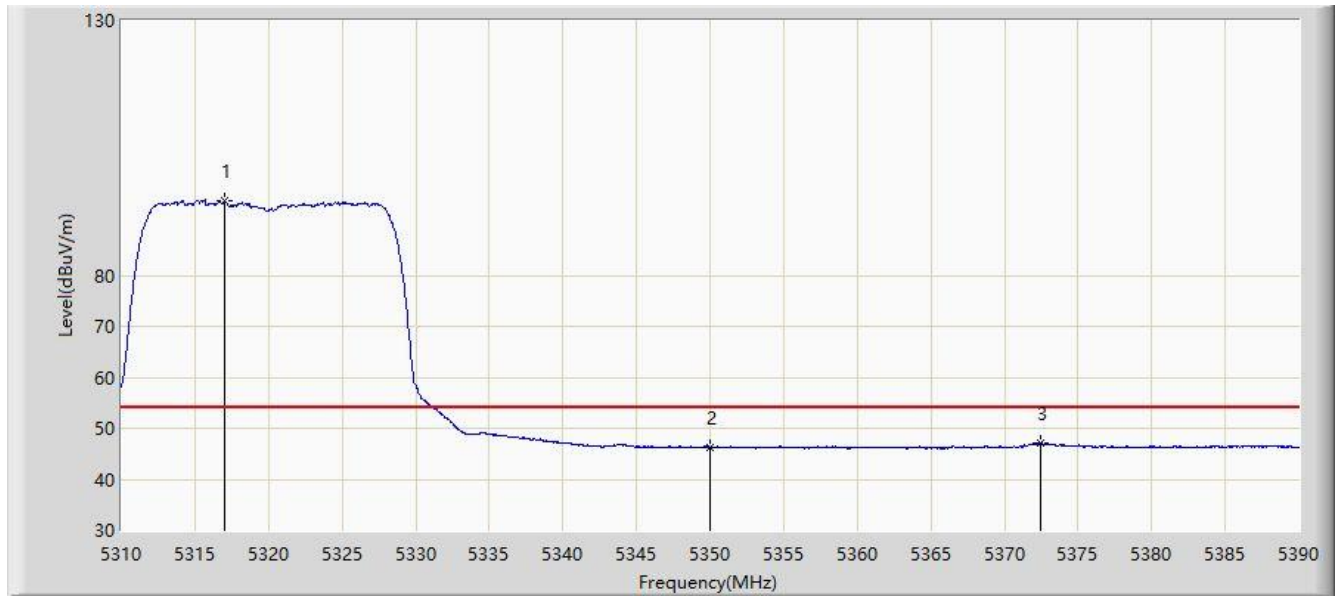


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.440	104.381	113.568	N/A	N/A	-9.186	PK
2			5350.000	58.785	68.008	-15.215	74.000	-9.222	PK
3			5355.520	60.045	69.284	-13.955	74.000	-9.238	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:11
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

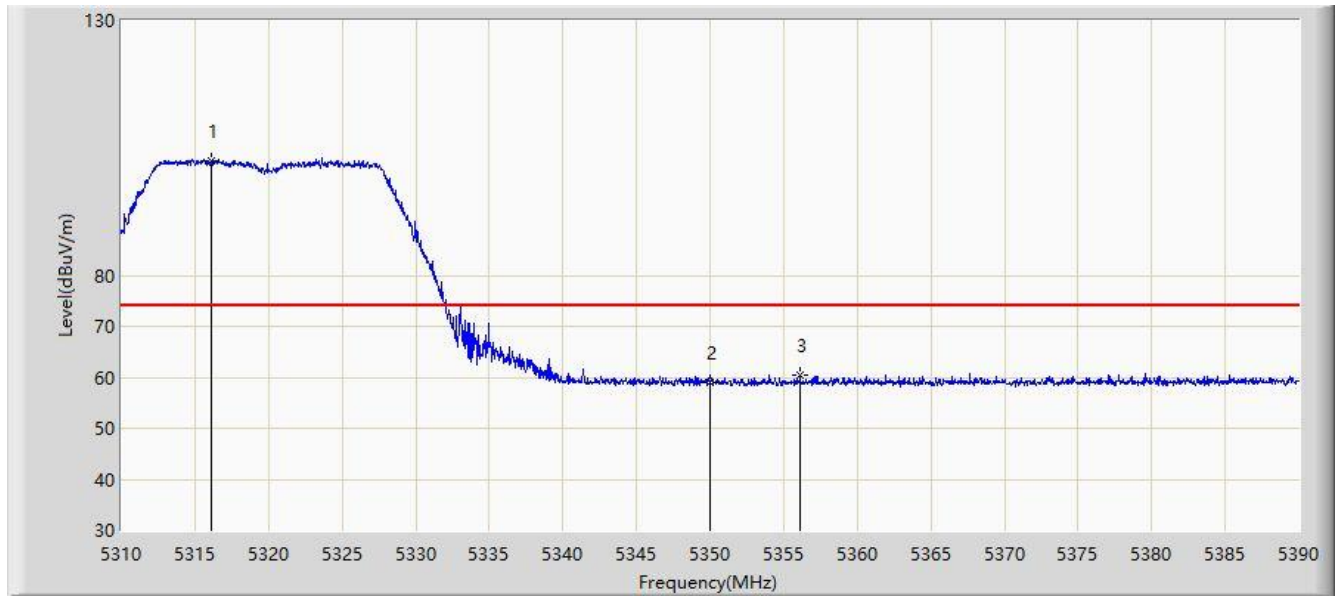


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.040	94.523	103.804	N/A	N/A	-9.280	AV
2			5350.000	46.201	55.424	-7.799	54.000	-9.222	AV
3			5372.440	47.113	56.307	-6.887	54.000	-9.194	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:12
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

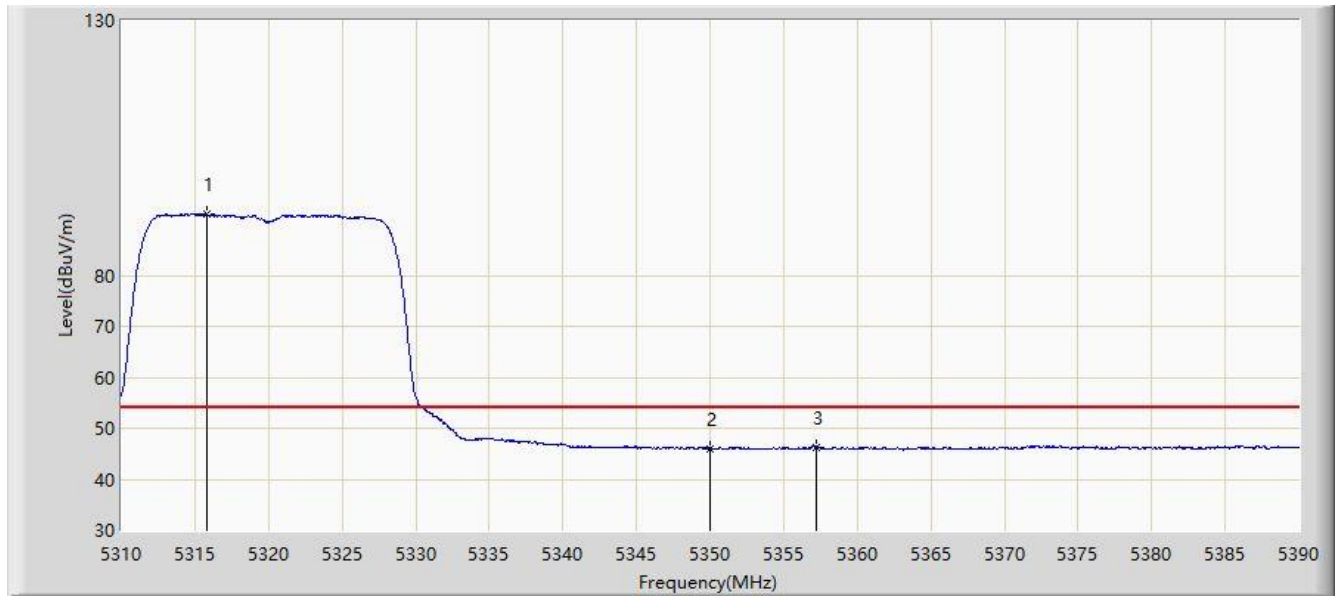


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.120	102.565	111.858	N/A	N/A	-9.293	PK
2			5350.000	59.078	68.301	-14.922	74.000	-9.222	PK
3			5356.120	60.478	69.717	-13.522	74.000	-9.238	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:32
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

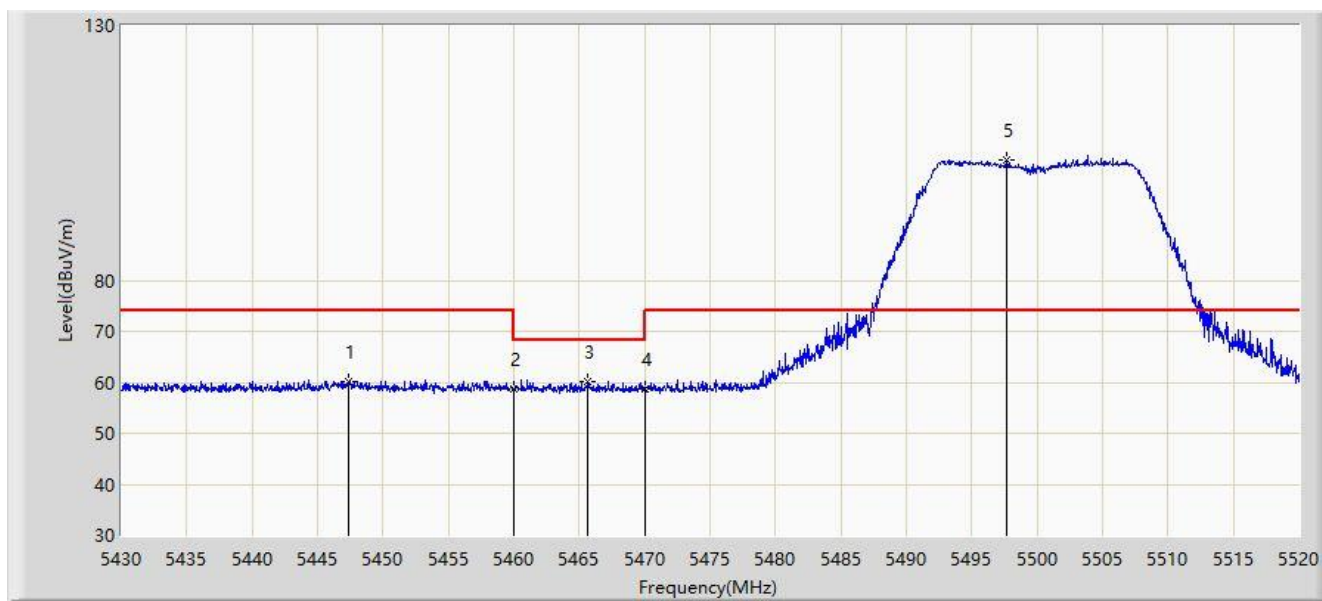


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.800	91.962	101.259	N/A	N/A	-9.298	AV
2			5350.000	46.062	55.285	-7.938	54.000	-9.222	AV
3			5357.240	46.318	55.556	-7.682	54.000	-9.237	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:33
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

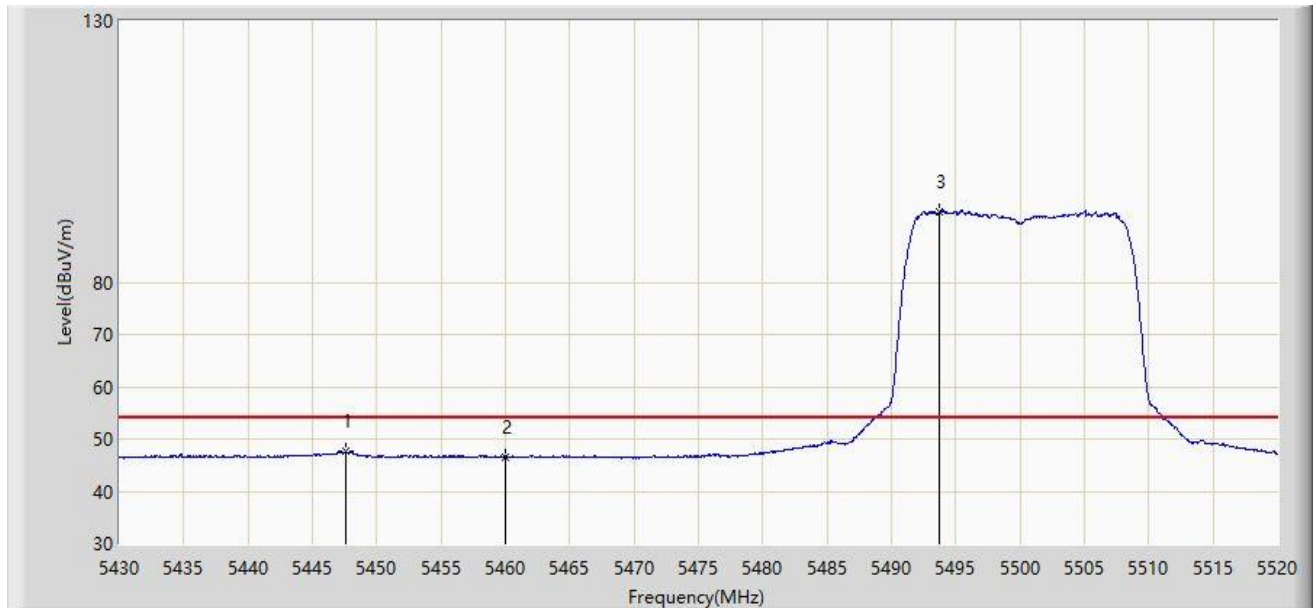


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5447.370	60.286	69.109	-13.714	74.000	-8.823	PK
2			5460.000	58.580	67.473	-15.420	74.000	-8.894	PK
3			5465.640	60.208	69.171	-7.992	68.200	-8.963	PK
4			5470.000	58.649	67.667	-9.551	68.200	-9.018	PK
5		*	5497.725	103.760	112.551	N/A	N/A	-8.791	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: SIP-AC3	Time: 2020/11/19 - 13:38
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Moblie Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

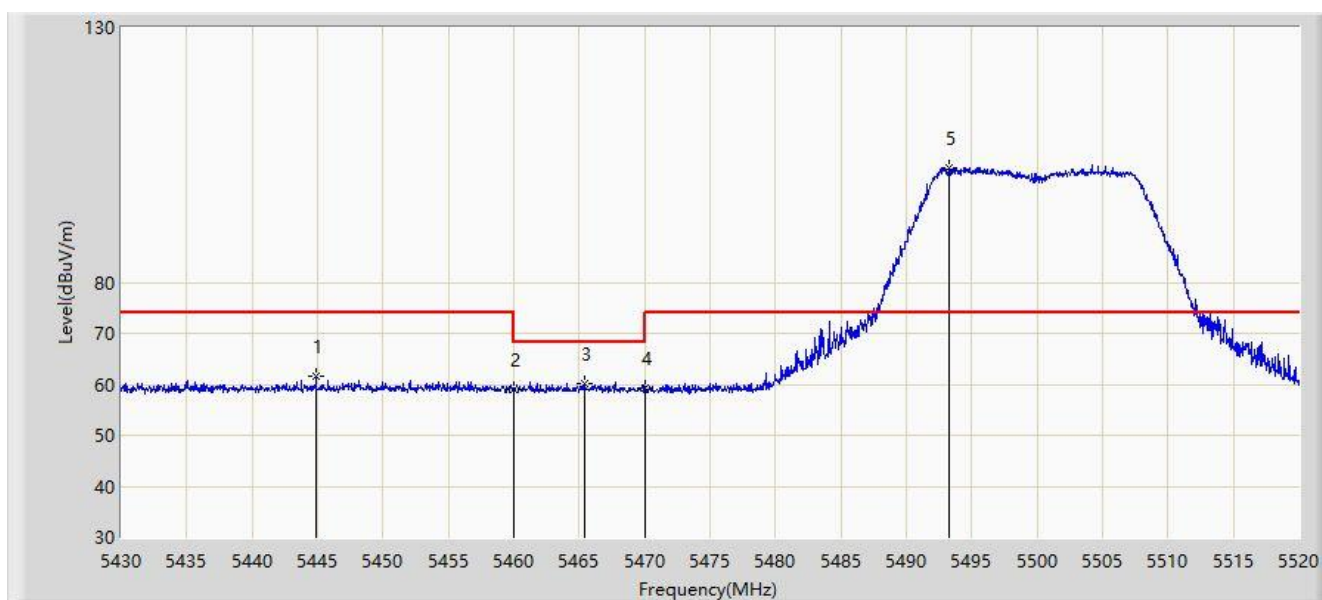


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5447.550	47.549	56.372	-6.451	54.000	-8.823	AV
2		5460.000	46.625	55.518	-7.375	54.000	-8.894	AV
3	*	5493.765	93.534	102.356	39.534	54.000	-8.822	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:39
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

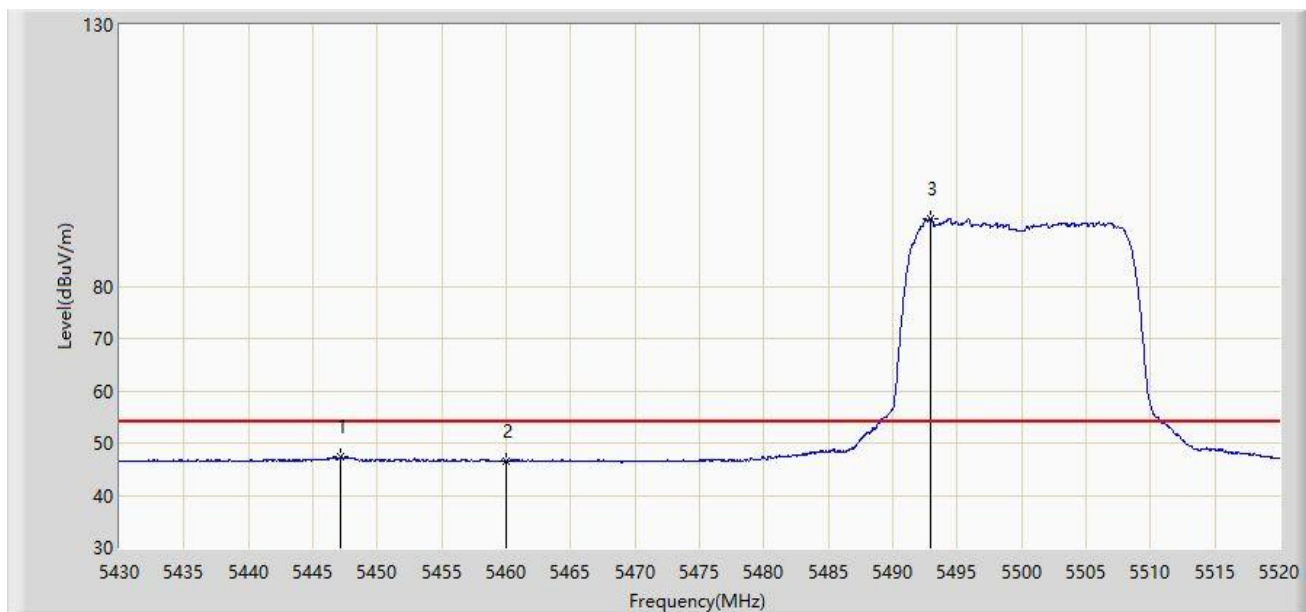


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5444.895	61.555	70.379	-12.445	74.000	-8.825	PK
2			5460.000	59.125	68.018	-14.875	74.000	-8.894	PK
3			5465.415	60.005	68.966	-8.195	68.200	-8.961	PK
4			5470.000	59.290	68.308	-8.910	68.200	-9.018	PK
5		*	5493.315	102.524	111.350	N/A	N/A	-8.826	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:49
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Moblie Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

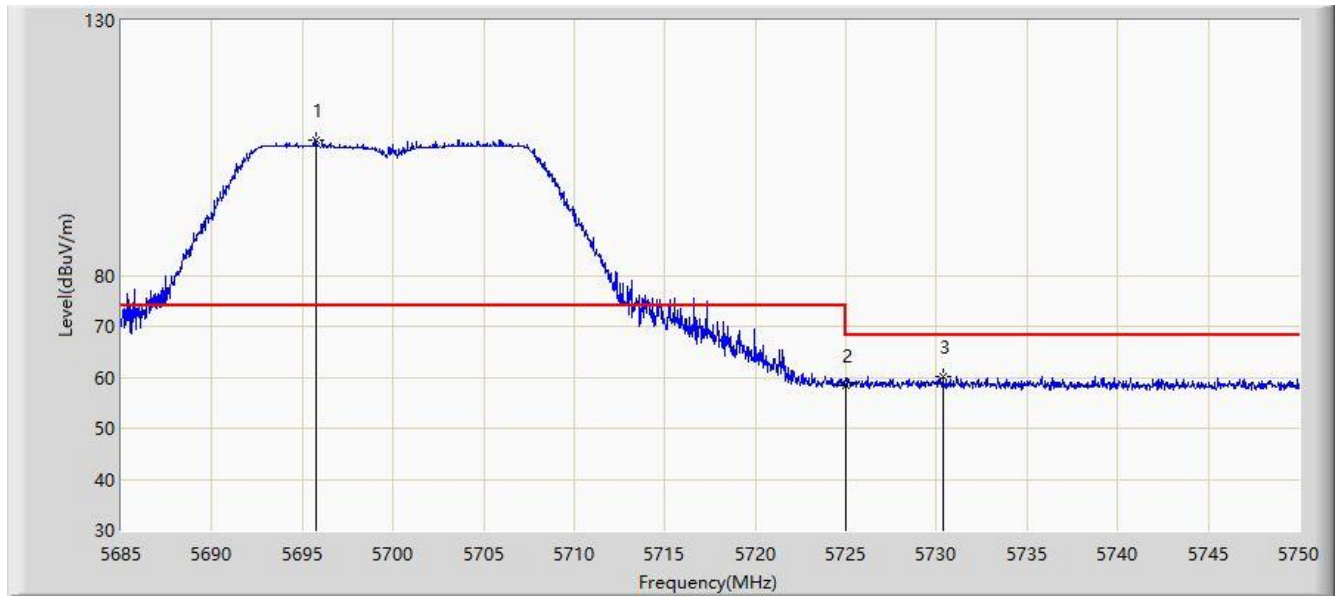


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5447.190	47.372	56.195	-6.628	54.000	-8.823	AV
2		5460.000	46.566	55.459	-7.434	54.000	-8.894	AV
3	*	5492.955	92.978	101.807	38.978	54.000	-8.829	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:51
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	

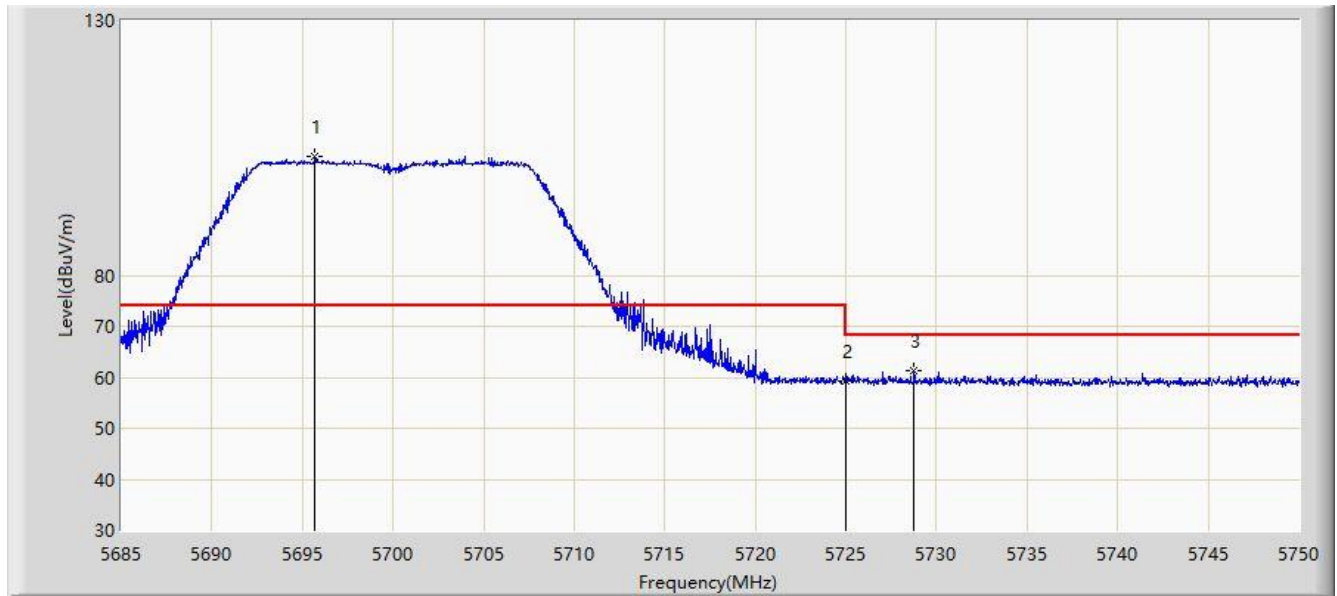


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.725	106.649	115.904	N/A	N/A	-9.256	PK
2			5725.000	58.484	67.591	-9.716	68.200	-9.107	PK
3			5730.370	60.093	69.263	-8.107	68.200	-9.170	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 13:56
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	

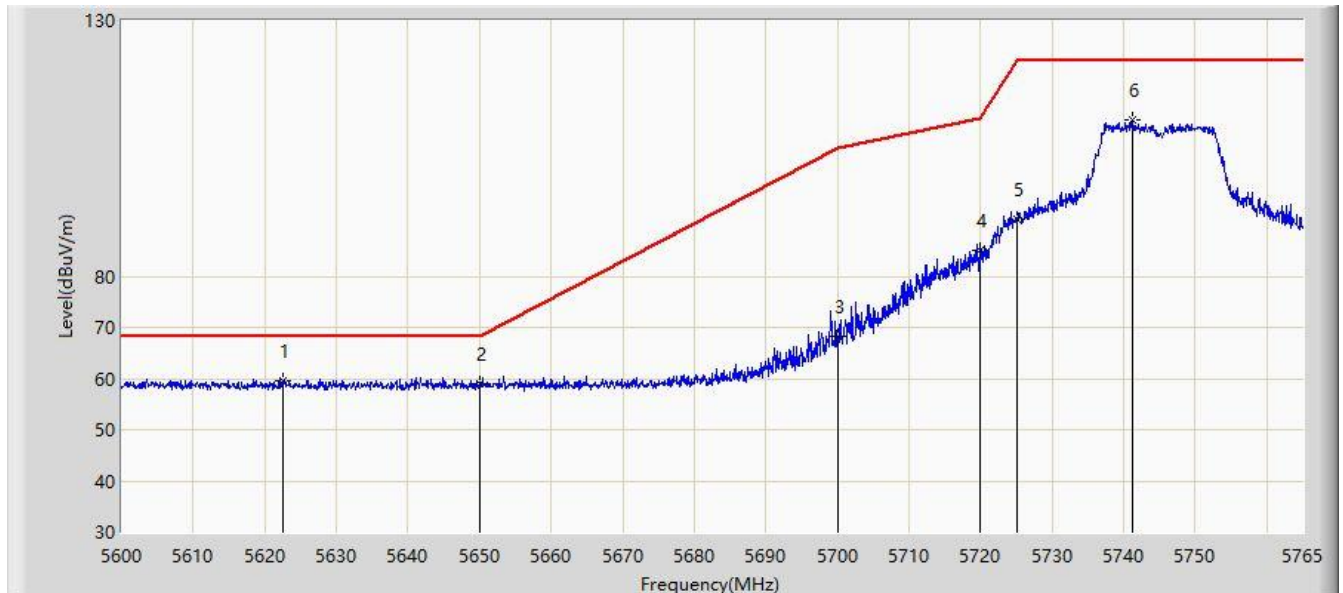


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.692	103.300	112.555	N/A	N/A	-9.256	PK
2			5725.000	59.351	68.458	-8.849	68.200	-9.107	PK
3			5728.745	61.370	70.512	-6.830	68.200	-9.142	PK

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

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

Site: AC3	Time: 2020/10/22 - 14:53
Limit: FCC_Part15.407_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz	

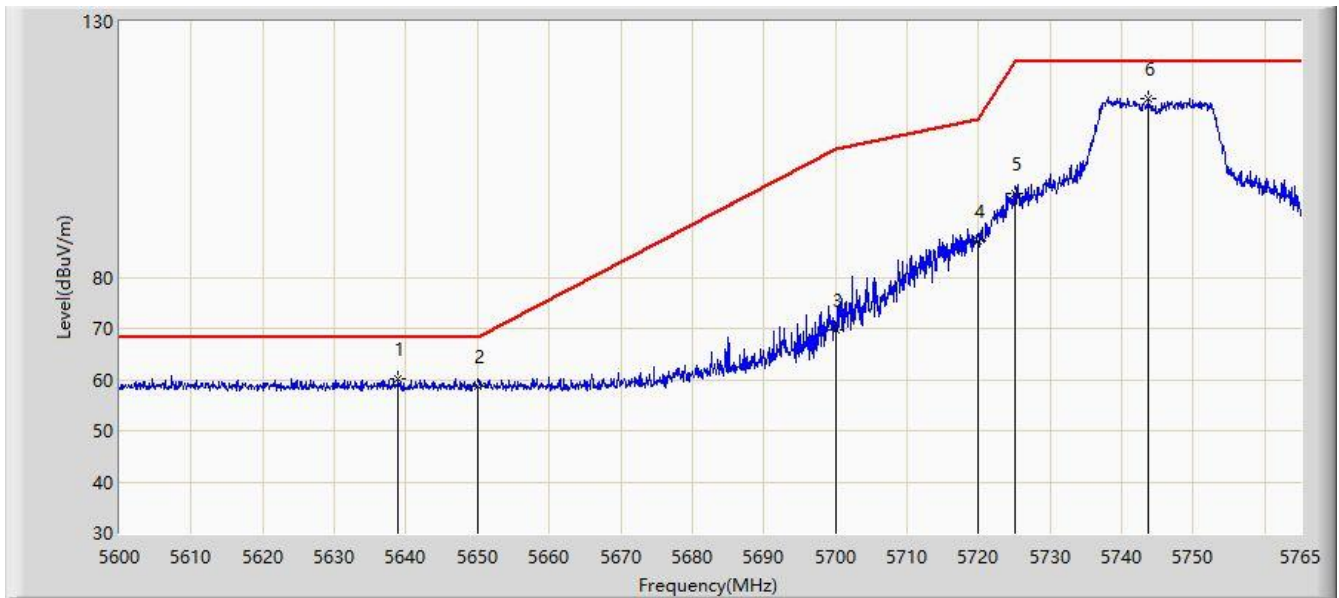


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.440	59.661	68.753	-8.539	68.200	-9.092	PK
2			5650.000	59.103	68.232	-9.097	68.200	-9.129	PK
3			5700.000	68.371	77.636	-36.829	105.200	-9.266	PK
4			5720.000	85.056	94.219	-25.744	110.800	-9.163	PK
5			5725.000	91.192	100.299	-31.008	122.200	-9.107	PK
6			5741.322	110.615	119.969	N/A	N/A	-9.354	PK

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

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

Site: AC3	Time: 2020/10/22 - 14:54
Limit: FCC_Part15.407_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz	

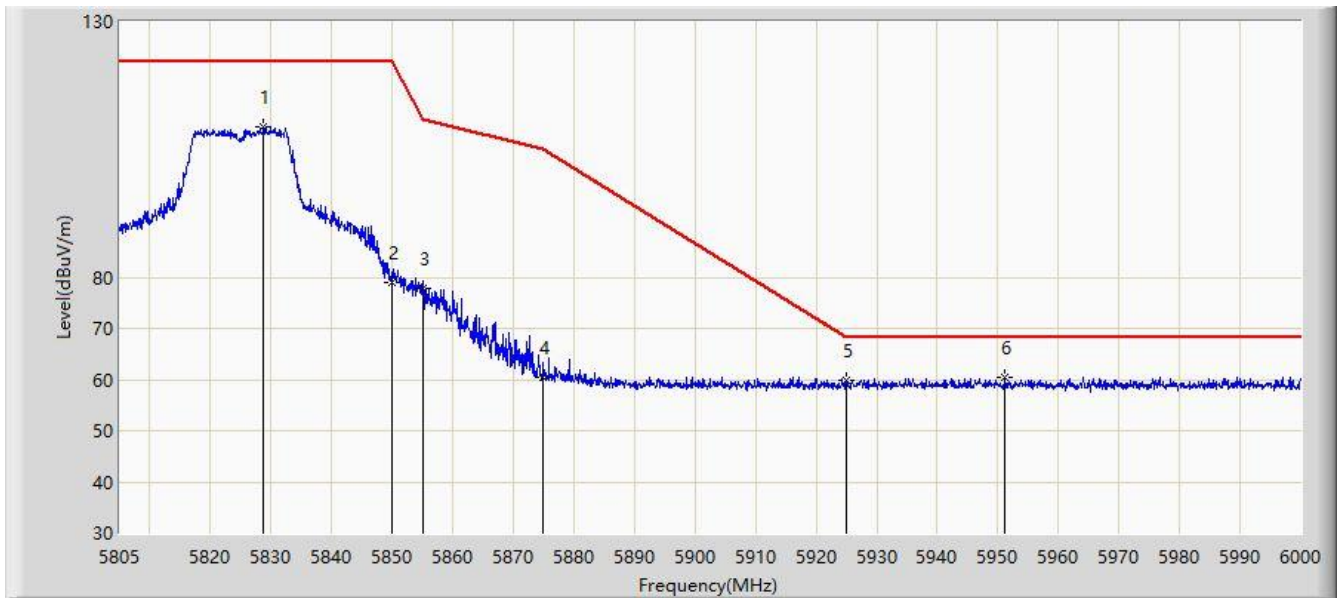


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5638.940	60.045	69.178	-8.155	68.200	-9.133	PK
2			5650.000	58.681	67.810	-9.519	68.200	-9.129	PK
3			5700.000	69.590	78.855	-35.610	105.200	-9.266	PK
4			5720.000	86.992	96.155	-23.808	110.800	-9.163	PK
5			5725.000	96.406	105.513	-25.794	122.200	-9.107	PK
6		*	5743.715	114.875	124.256	N/A	N/A	-9.382	PK

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

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

Site: AC3	Time: 2020/10/22 - 15:02
Limit: FCC_Part15.407_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz	

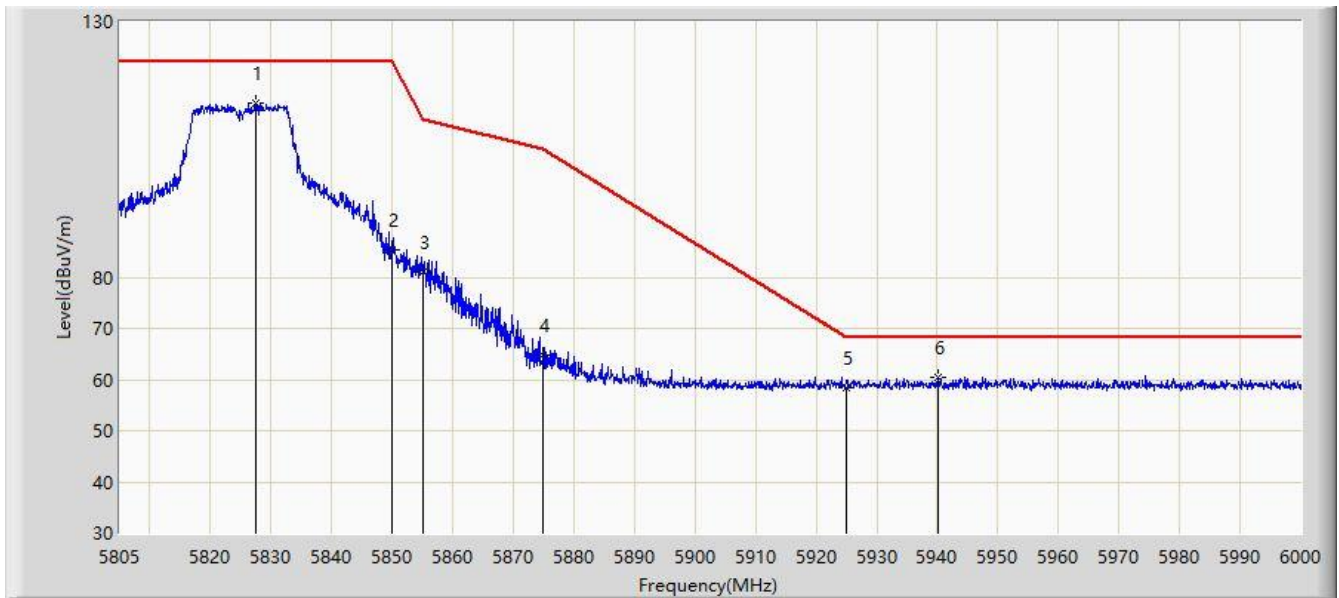


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.790	109.497	118.639	N/A	N/A	-9.142	PK
2			5850.000	78.945	87.998	-43.255	122.200	-9.053	PK
3			5855.000	77.866	86.914	-32.934	110.800	-9.049	PK
4			5875.000	60.470	69.490	-44.730	105.200	-9.020	PK
5			5925.000	59.760	68.523	-8.440	68.200	-8.762	PK
6		*	5951.152	60.406	69.131	-7.794	68.200	-8.726	PK

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

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

Site: AC3	Time: 2020/10/22 - 15:08
Limit: FCC_Part15.407_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz	

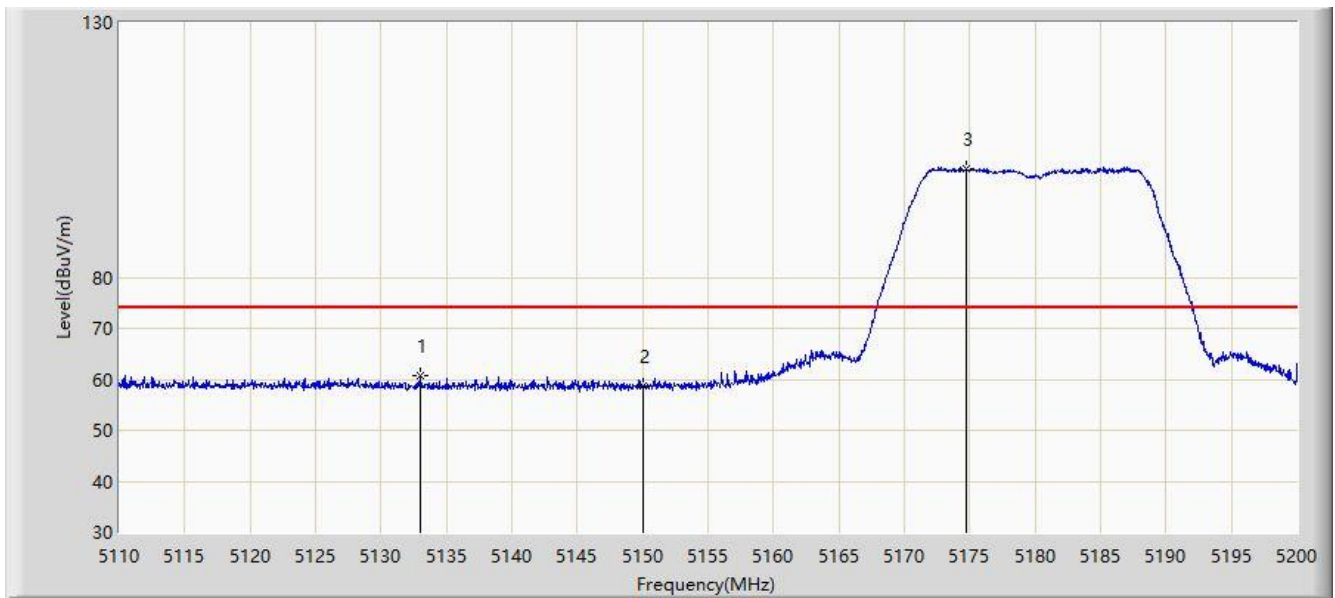


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.522	114.098	123.250	N/A	N/A	-9.152	PK
2			5850.000	85.481	94.534	-36.719	122.200	-9.053	PK
3			5855.000	81.036	90.084	-29.764	110.800	-9.049	PK
4			5875.000	64.681	73.701	-40.519	105.200	-9.020	PK
5			5925.000	58.280	67.043	-9.920	68.200	-8.762	PK
6		*	5940.135	60.404	69.103	-7.796	68.200	-8.699	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:09
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

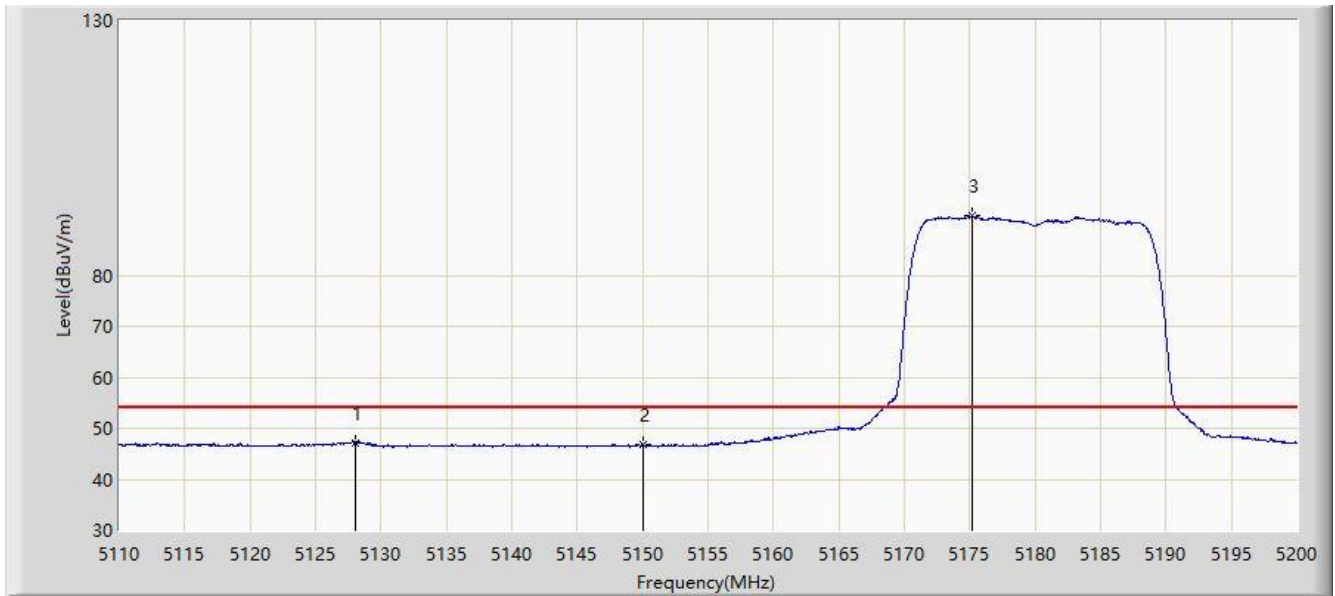


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.040	60.668	70.204	-13.332	74.000	-9.536	PK
2			5150.000	58.741	68.268	-15.259	74.000	-9.527	PK
3		*	5174.710	101.446	110.980	N/A	N/A	-9.535	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:23
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

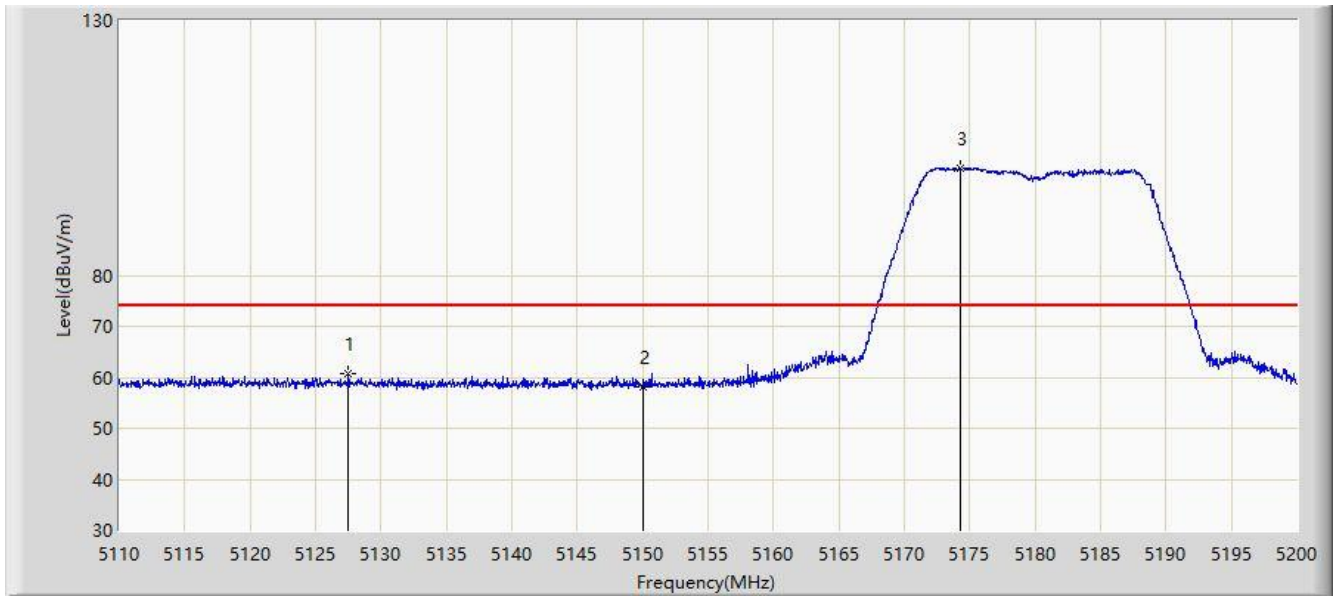


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.045	47.239	56.741	-6.761	54.000	-9.502	AV
2			5150.000	46.677	56.204	-7.323	54.000	-9.527	AV
3		*	5175.205	91.656	101.191	N/A	N/A	-9.535	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:24
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

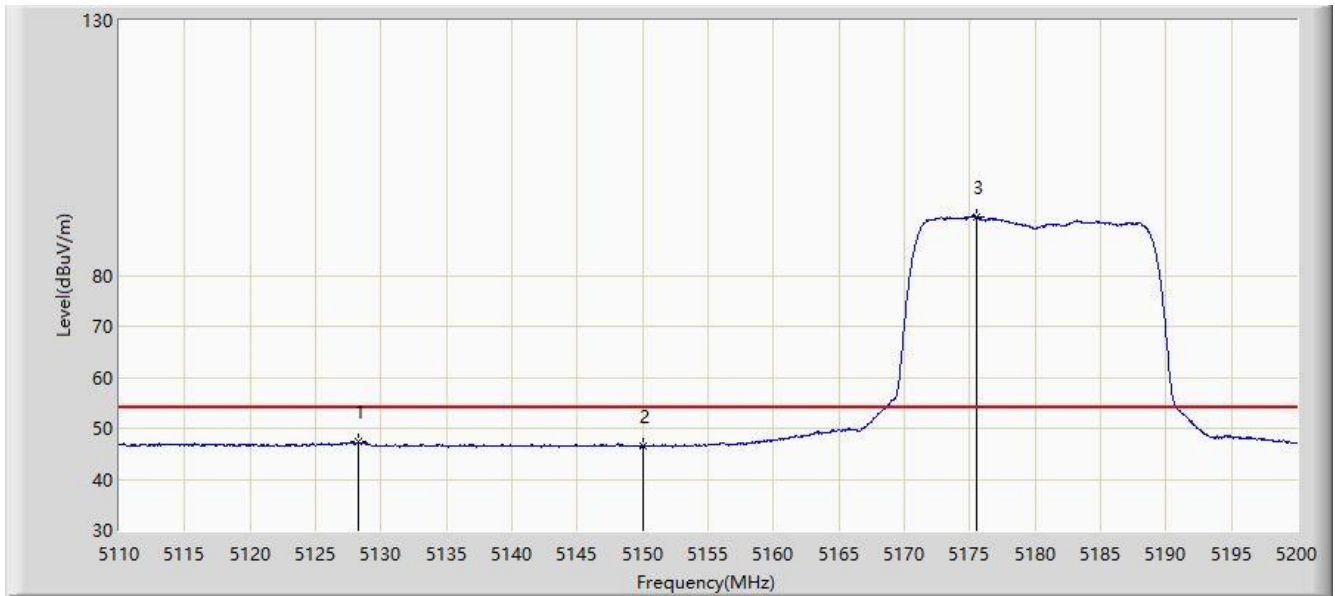


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5127.505	60.760	70.255	-13.240	74.000	-9.495	PK
2			5150.000	58.022	67.549	-15.978	74.000	-9.527	PK
3		*	5174.260	101.024	110.558	N/A	N/A	-9.533	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:27
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz	

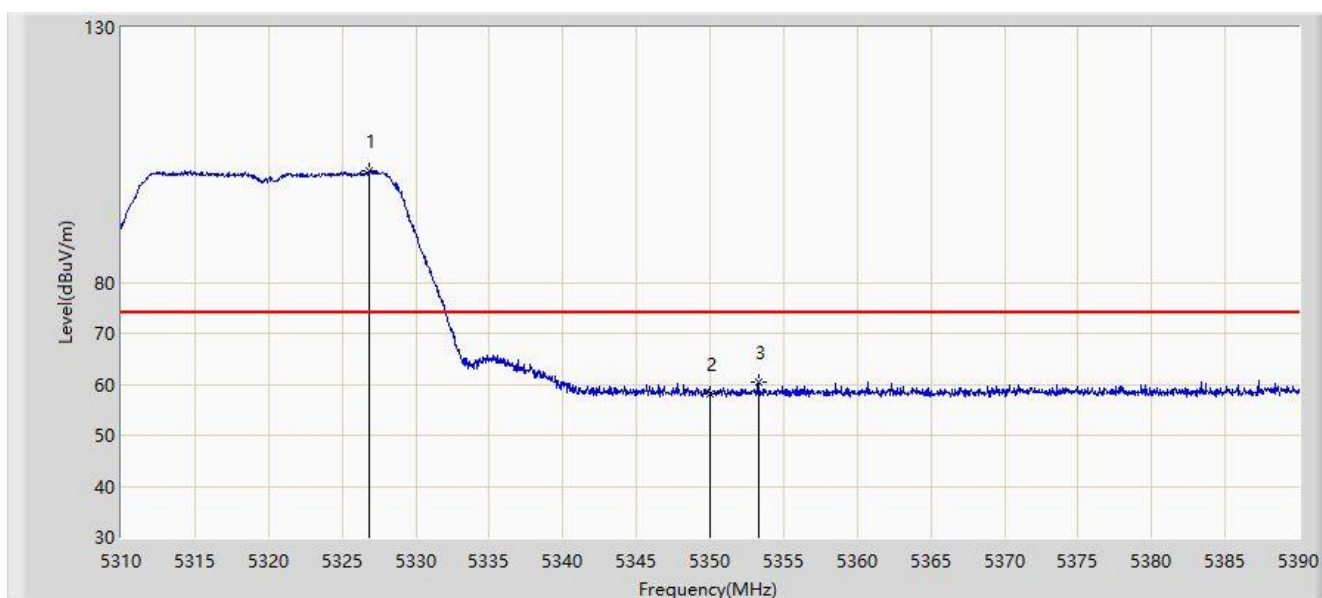


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.270	47.276	56.780	-6.724	54.000	-9.505	AV
2			5150.000	46.411	55.938	-7.589	54.000	-9.527	AV
3		*	5175.475	91.511	101.046	N/A	N/A	-9.535	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:28
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

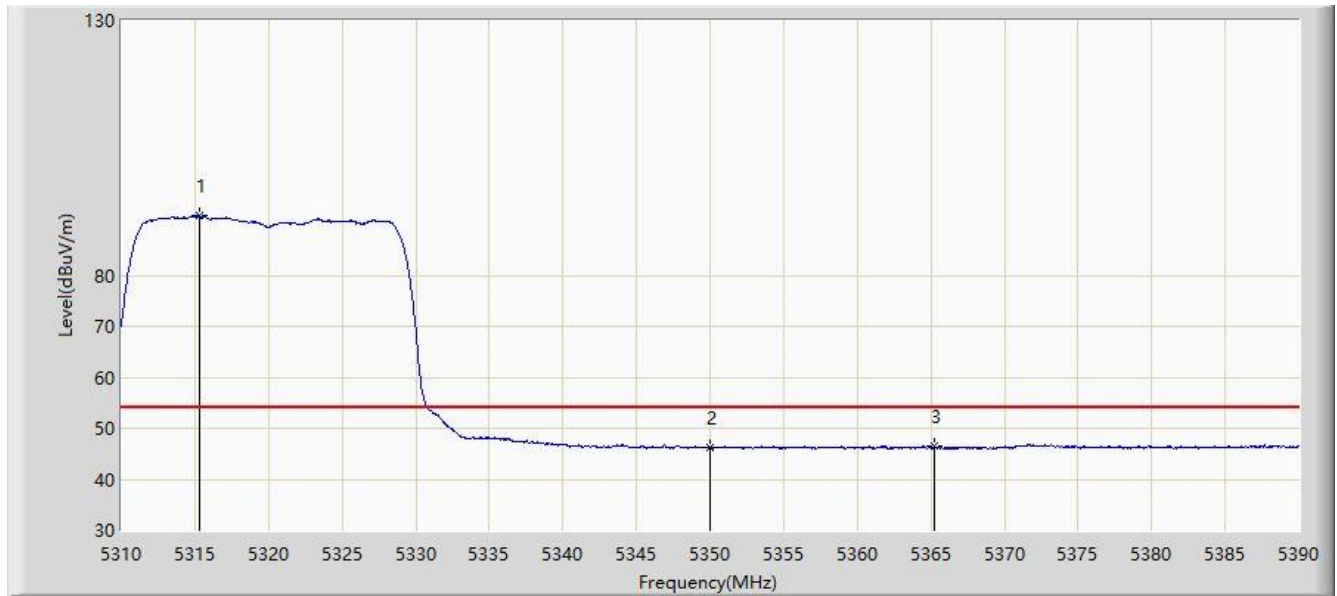


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.800	101.878	111.050	N/A	N/A	-9.171	PK
2			5350.000	58.011	67.234	-15.989	74.000	-9.222	PK
3			5353.280	60.337	69.578	-13.663	74.000	-9.241	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:32
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

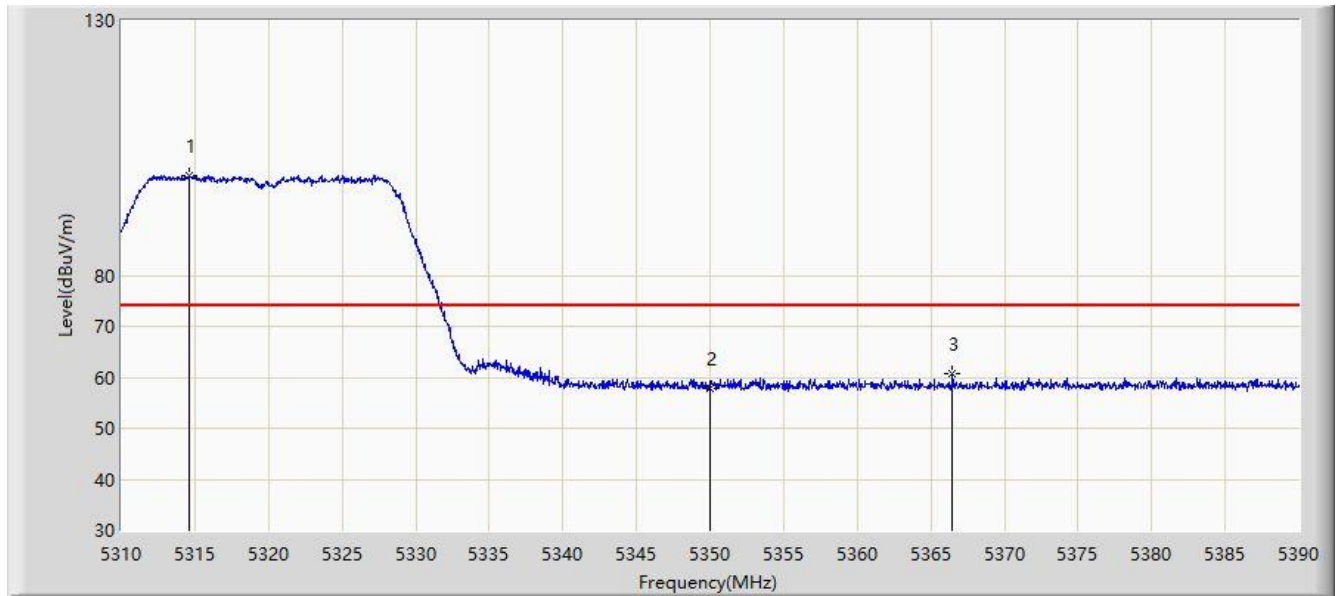


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.320	91.683	100.986	N/A	N/A	-9.303	AV
2			5350.000	46.092	55.315	-7.908	54.000	-9.222	AV
3			5365.280	46.399	55.630	-7.601	54.000	-9.231	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:33
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

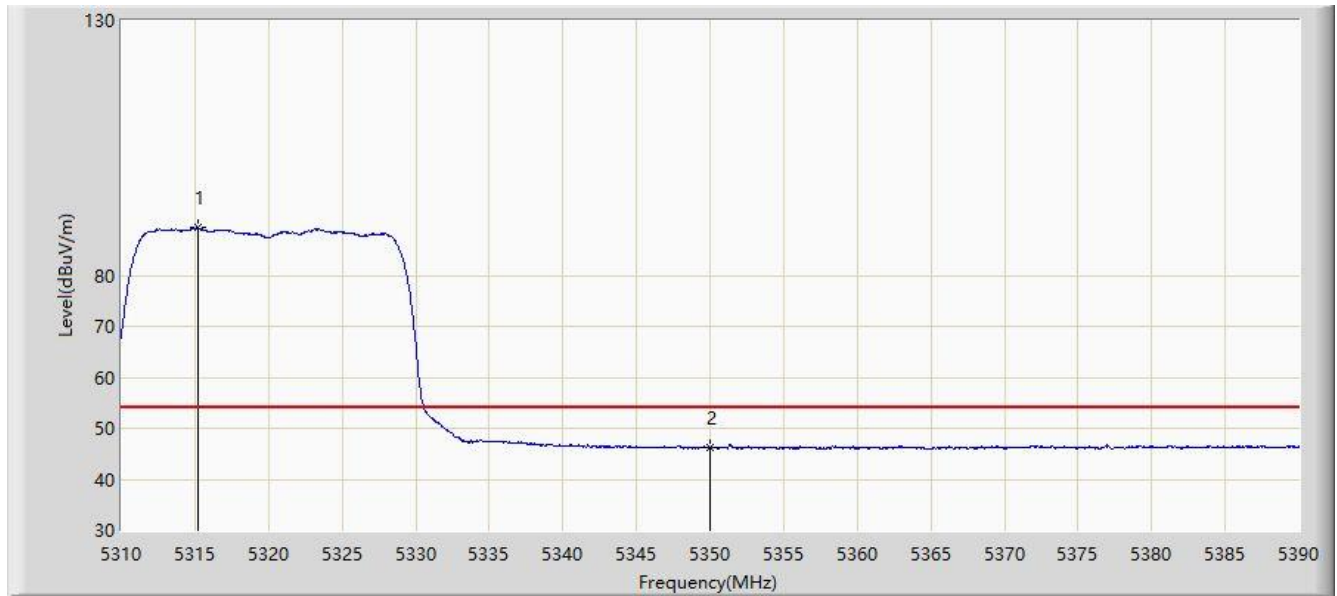


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.640	99.465	108.777	N/A	N/A	-9.313	PK
2			5350.000	57.953	67.176	-16.047	74.000	-9.222	PK
3			5366.480	60.611	69.841	-13.389	74.000	-9.230	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz	

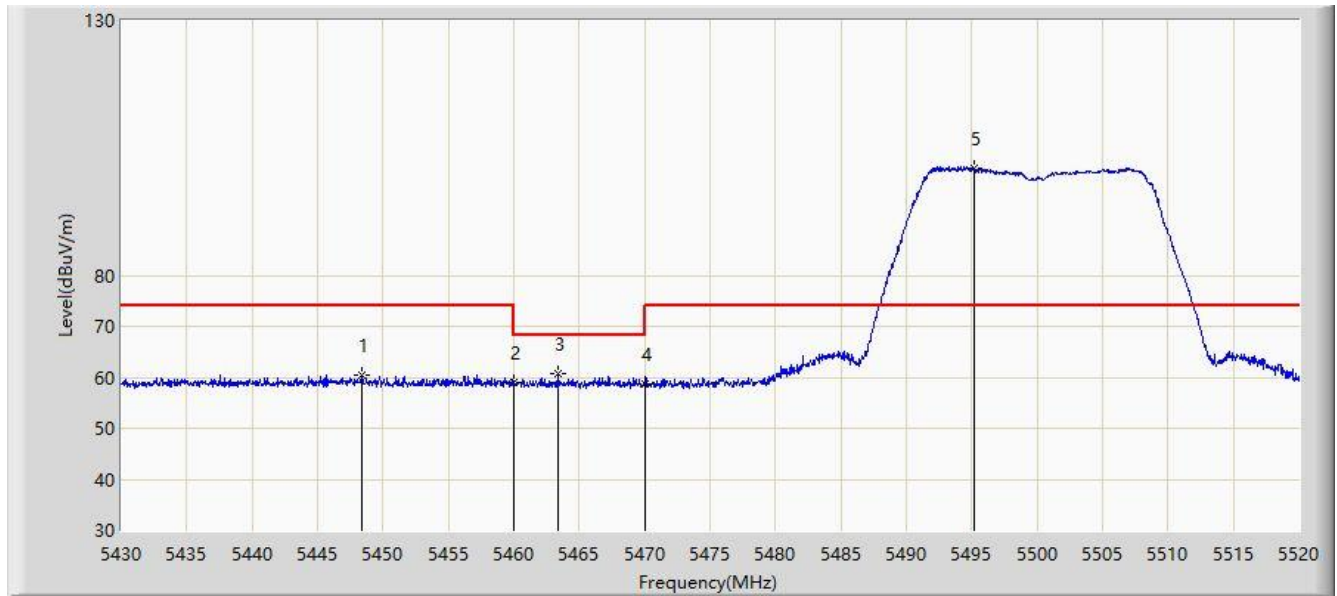


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.200	89.340	98.645	N/A	N/A	-9.305	AV
2			5350.000	46.245	55.468	-7.755	54.000	-9.222	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:46
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

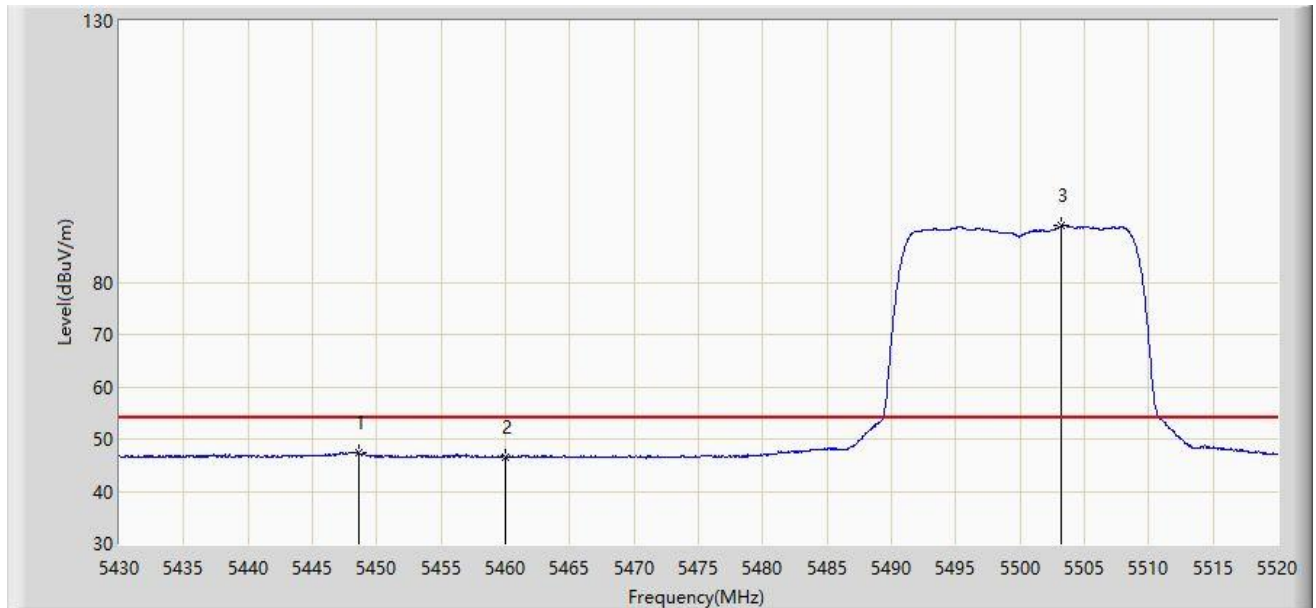


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5448.405	60.532	69.354	-13.468	74.000	-8.822	PK
2			5460.000	59.117	68.010	-14.883	74.000	-8.894	PK
3			5463.345	60.805	69.740	-7.395	68.200	-8.935	PK
4			5470.000	58.754	67.772	-9.446	68.200	-9.018	PK
5		*	5495.160	101.080	109.891	N/A	N/A	-8.811	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: SIP-AC3	Time: 2020/11/19 - 14:50
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Moblie Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

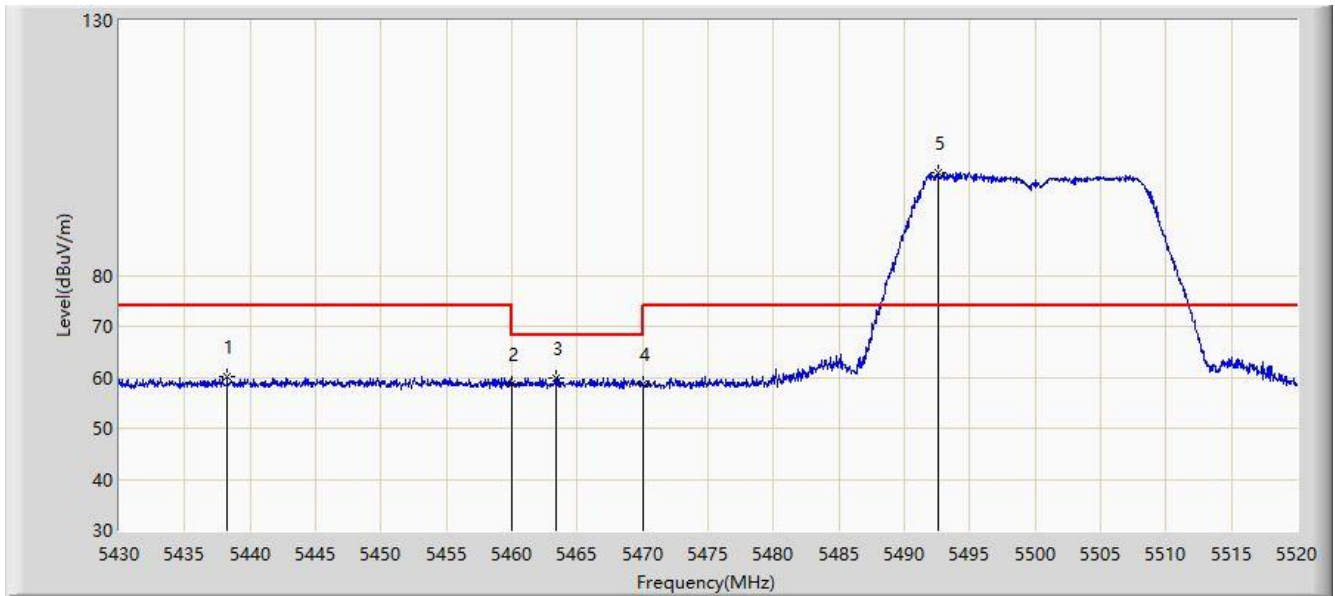


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5448.585	47.247	56.069	-6.753	54.000	-8.823	AV
2		5460.000	46.593	55.486	-7.407	54.000	-8.894	AV
3	*	5503.170	90.755	99.504	36.755	54.000	-8.749	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

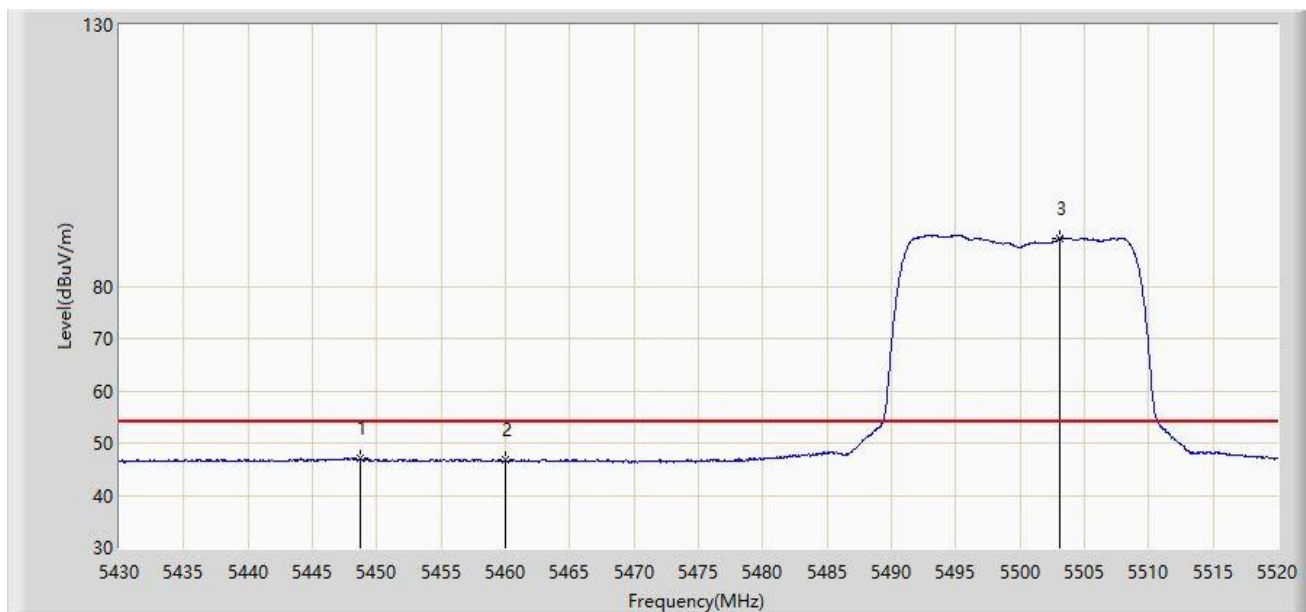


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5438.235	60.168	68.996	-13.832	74.000	-8.829	PK
2			5460.000	58.744	67.637	-15.256	74.000	-8.894	PK
3			5463.345	59.997	68.932	-8.203	68.200	-8.935	PK
4			5470.000	58.769	67.787	-9.431	68.200	-9.018	PK
5		*	5492.550	100.132	108.964	N/A	N/A	-8.832	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:55
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Moblie Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz	

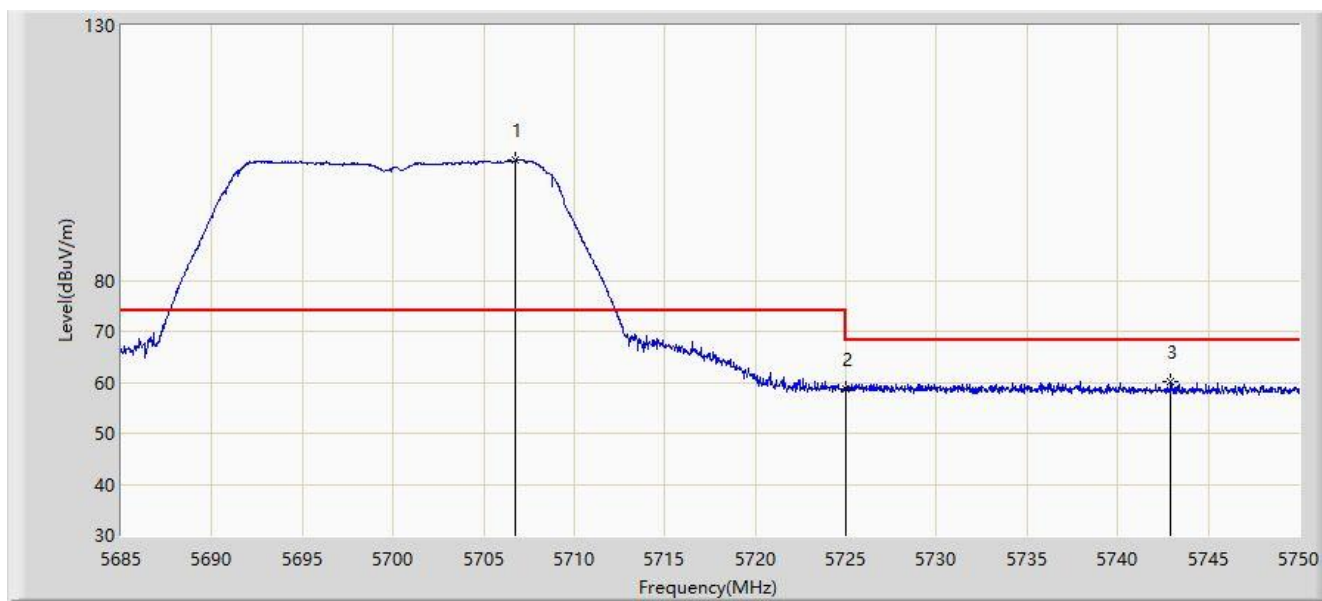


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5448.720	47.048	55.870	-6.952	54.000	-8.822	AV
2		5460.000	46.718	55.611	-7.282	54.000	-8.894	AV
3	*	5503.080	89.186	97.936	35.186	54.000	-8.751	AV

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

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

Site: SIP-AC3	Time: 2020/11/19 - 14:57
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz	

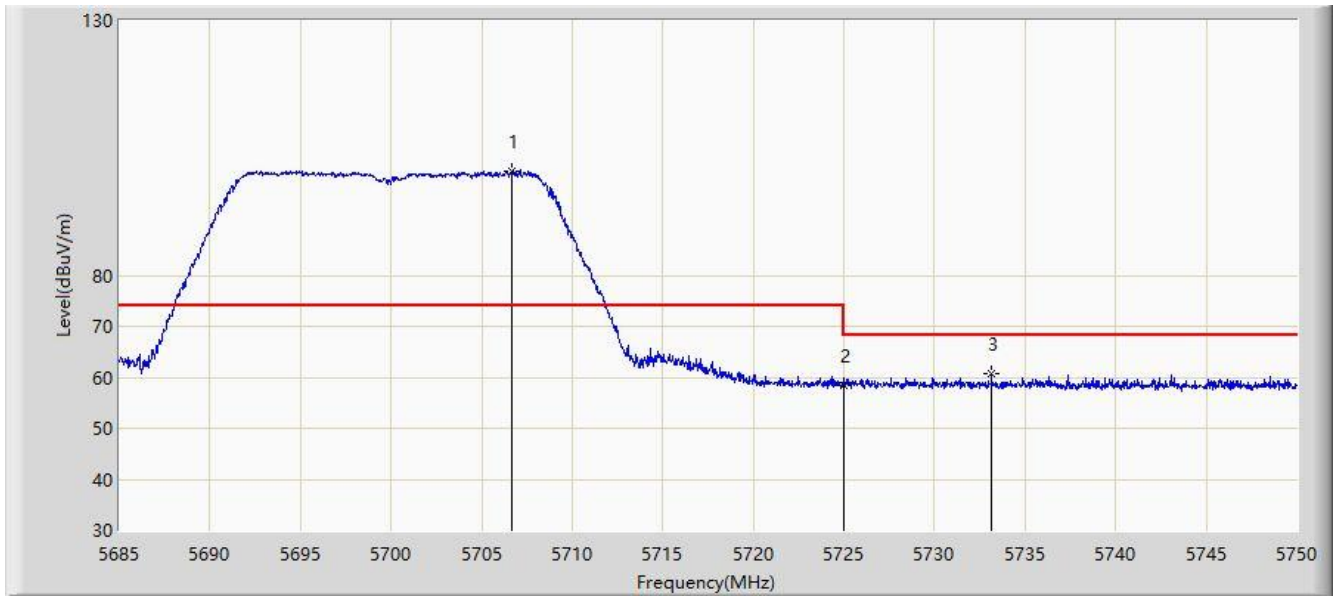


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.710	103.638	112.919	N/A	N/A	-9.282	PK
2			5725.000	58.807	67.914	-9.393	68.200	-9.107	PK
3			5742.915	60.178	69.559	-8.022	68.200	-9.380	PK

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

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

Site: SIP-AC3	Time: 2020/11/19 - 15:01
Limit: FCC_Part15.209_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_1-18GHz	Polarity: Vertical
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz	

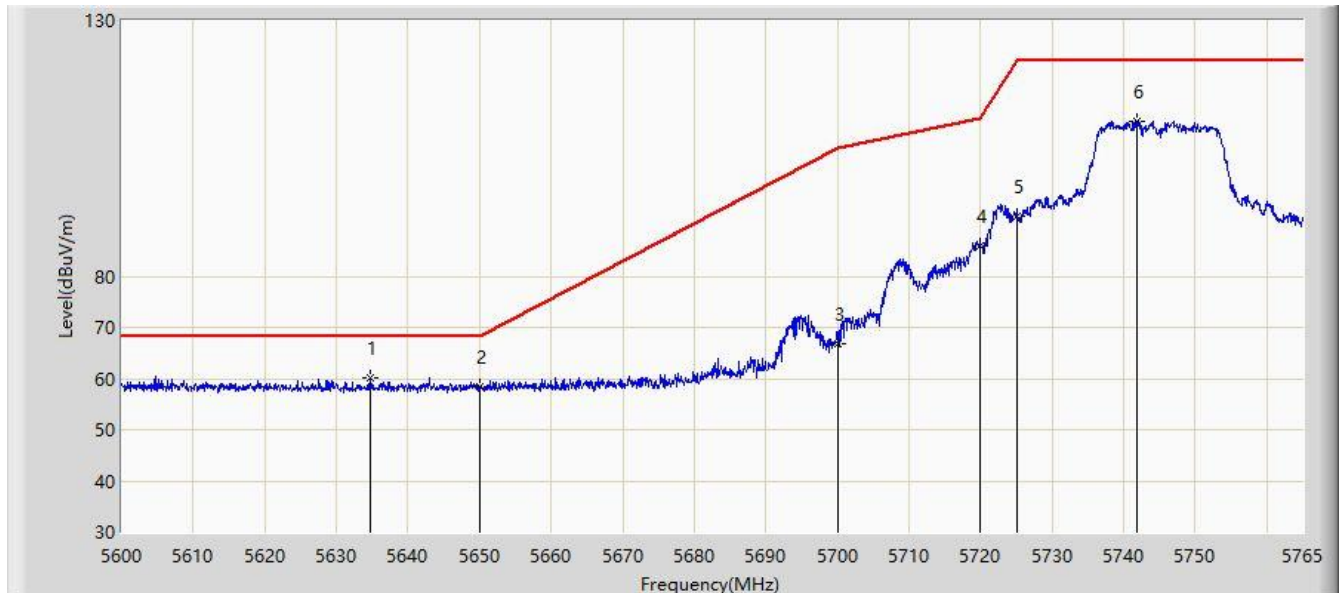


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.645	100.421	109.702	N/A	N/A	-9.282	PK
2			5725.000	58.526	67.633	-9.674	68.200	-9.107	PK
3			5733.132	60.855	70.071	-7.345	68.200	-9.216	PK

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

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

Site: AC3	Time: 2020/10/22 - 20:30
Limit: FCC_Part15.407_RE(3m)	Engineer: White Wang
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Mobile Computer	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.650	60.129	69.251	-8.071	68.200	-9.123	PK
2			5650.000	58.285	67.414	-9.915	68.200	-9.129	PK
3			5700.000	66.946	76.211	-38.254	105.200	-9.266	PK
4			5720.000	85.879	95.042	-24.921	110.800	-9.163	PK
5			5725.000	91.666	100.773	-30.534	122.200	-9.107	PK
6			5741.900	110.324	119.687	N/A	N/A	-9.364	PK

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

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