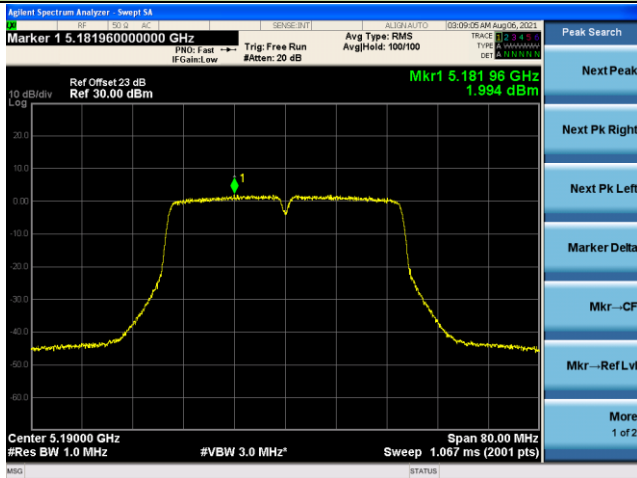
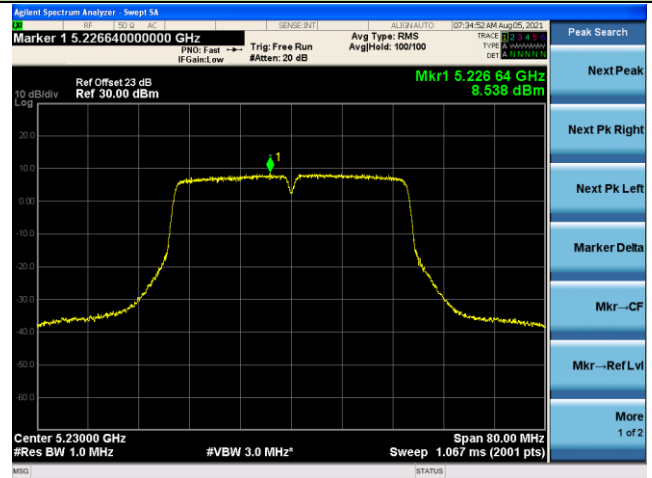


## 802.11ac-VHT40 Power Spectral Density – Ant 1

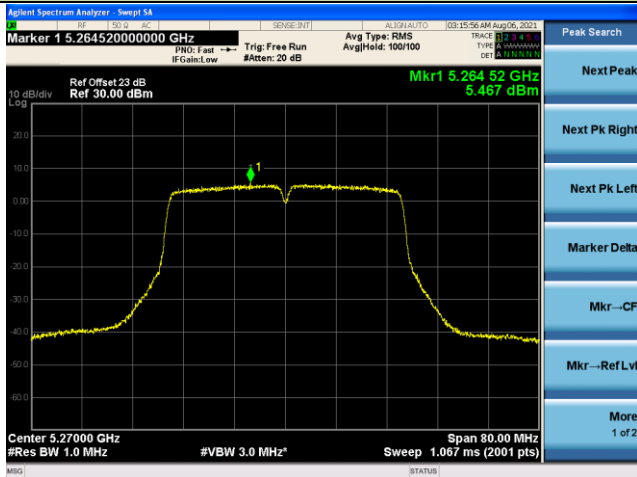
Channel 38 (5190MHz)



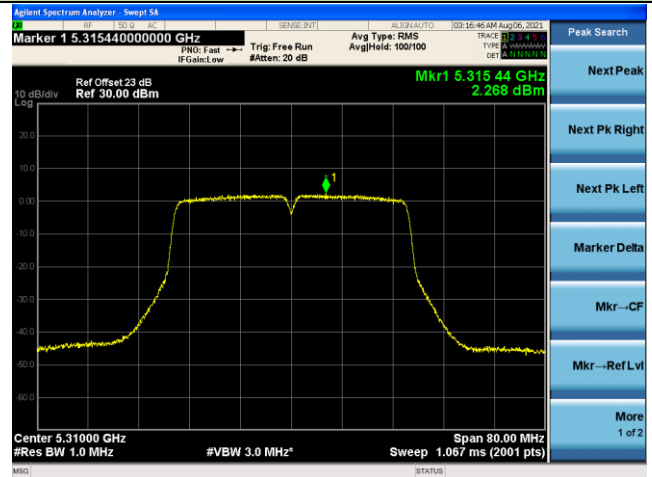
Channel 46 (5230MHz)



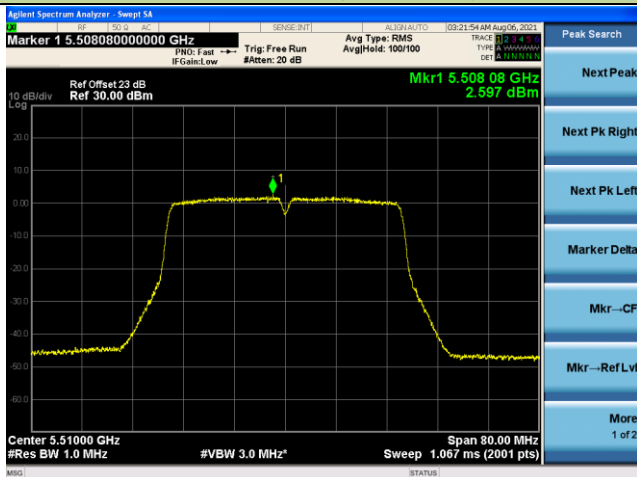
Channel 54 (5270MHz)



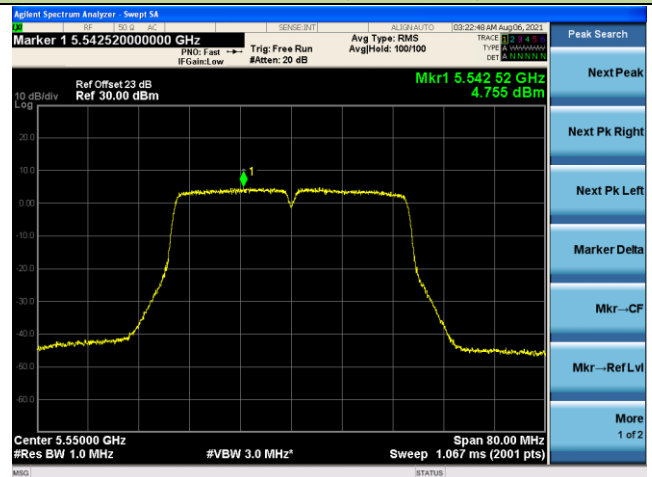
Channel 62 (5310MHz)



Channel 102 (5510MHz)

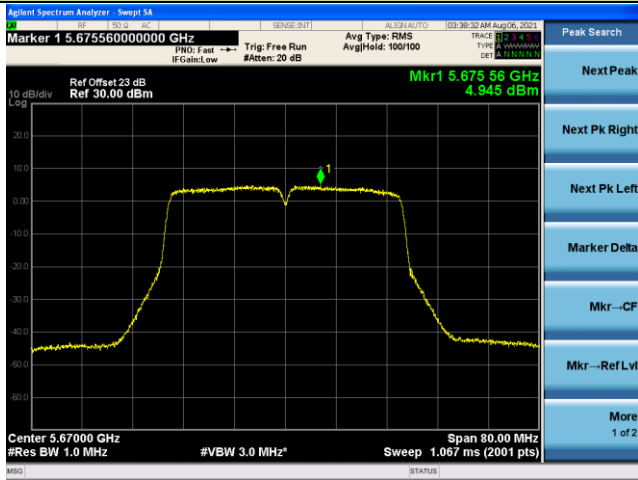


Channel 110 (5550MHz)

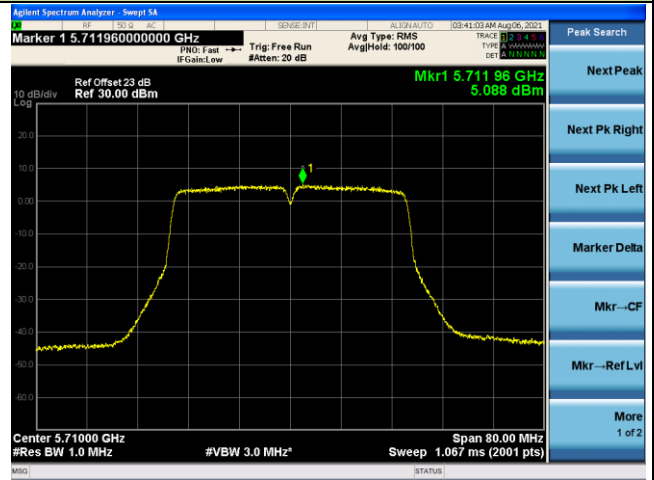


802.11ac-VHT40 Power Spectral Density – Ant 1

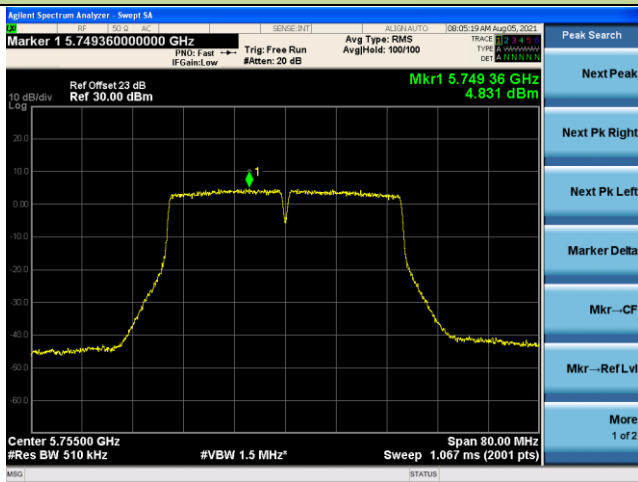
Channel 134 (5670MHz)



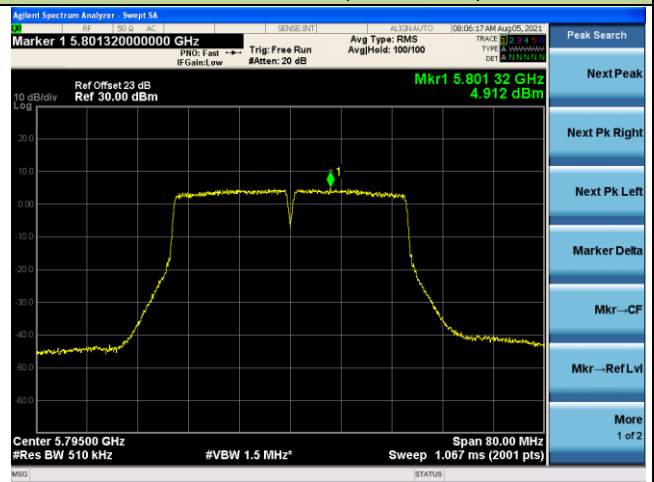
Channel 142 (5710MHz)



Channel 151 (5755MHz)

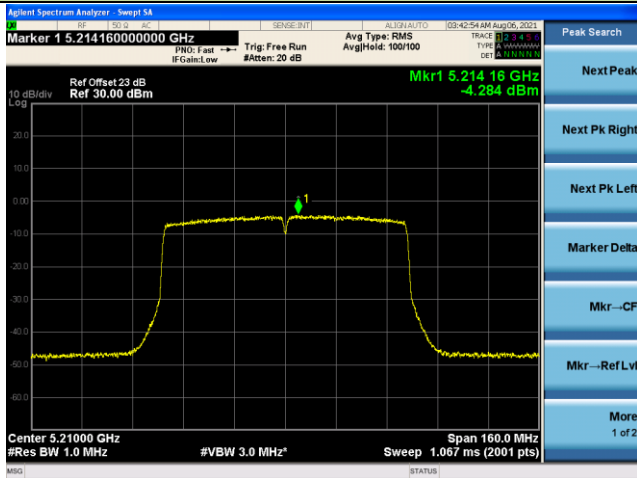


Channel 159 (5795MHz)

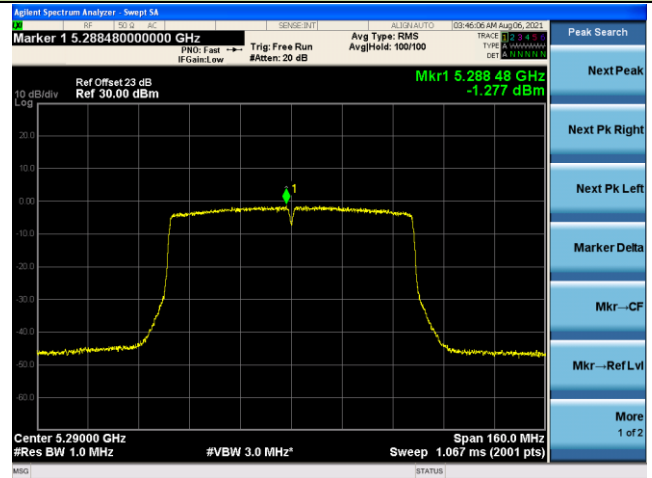


## 802.11ac-VHT80 Power Spectral Density – Ant 1

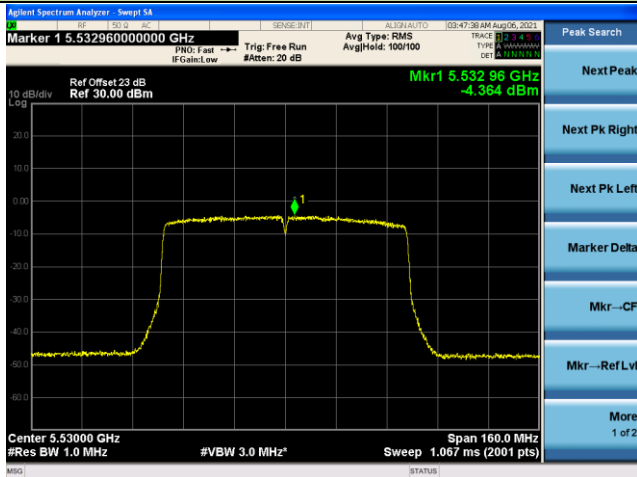
Channel 42 (5210MHz)



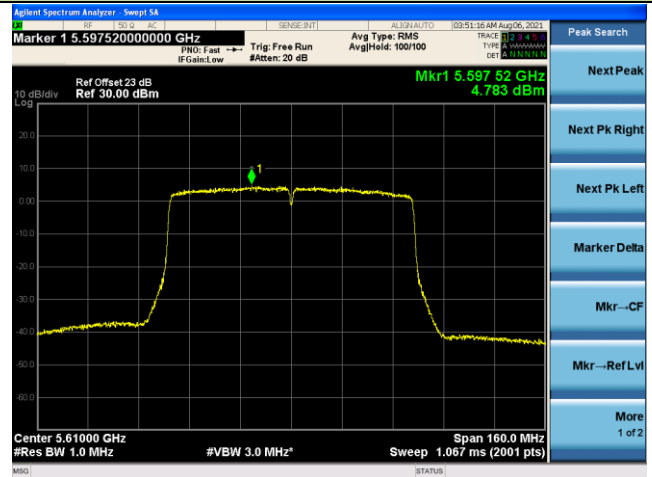
Channel 58 (5290MHz)



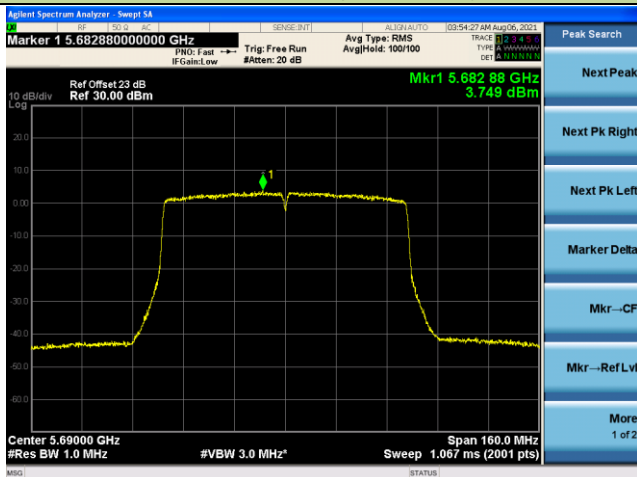
Channel 106 (5530MHz)



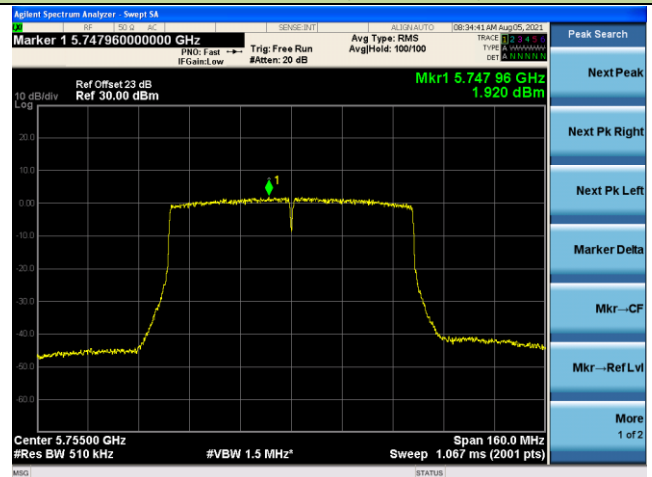
Channel 122 (5610MHz)



Channel 155 (5690MHz)

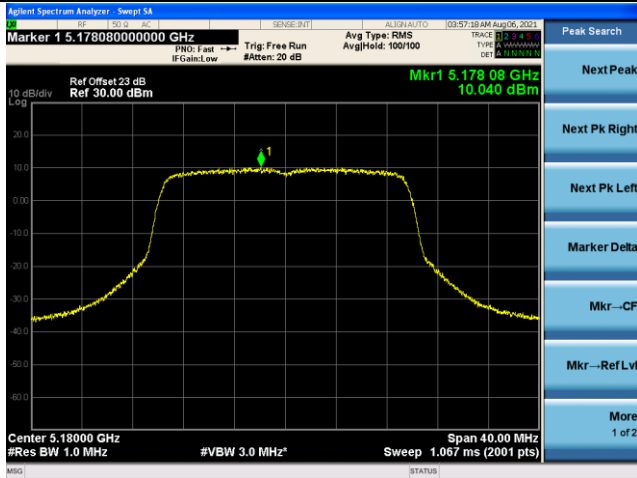


Channel 155 (5775MHz)

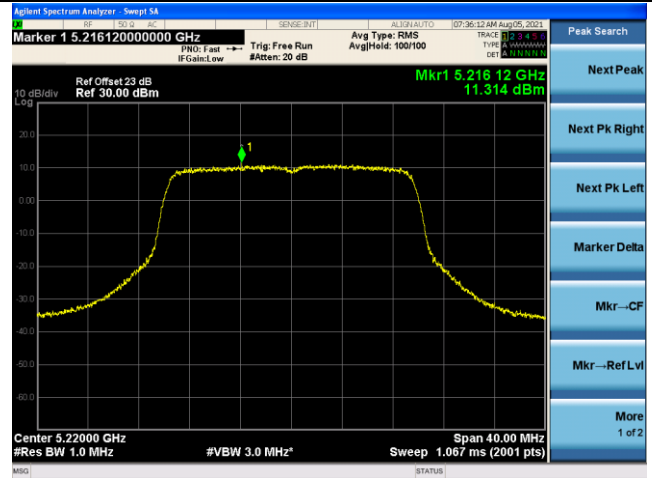


## 802.11ax-HE20 Power Spectral Density – Ant 1

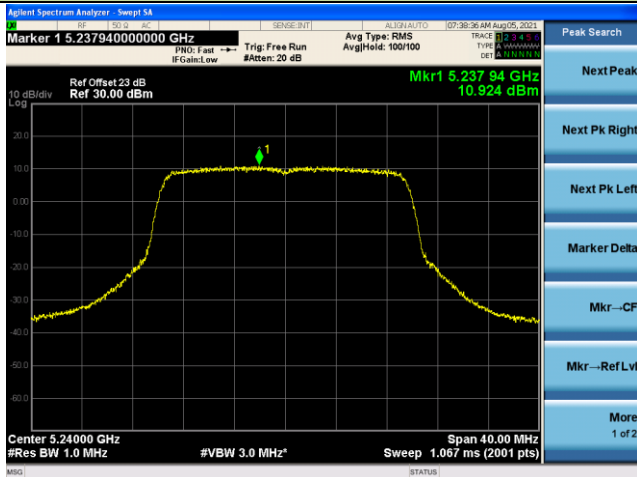
Channel 36 (5180MHz)



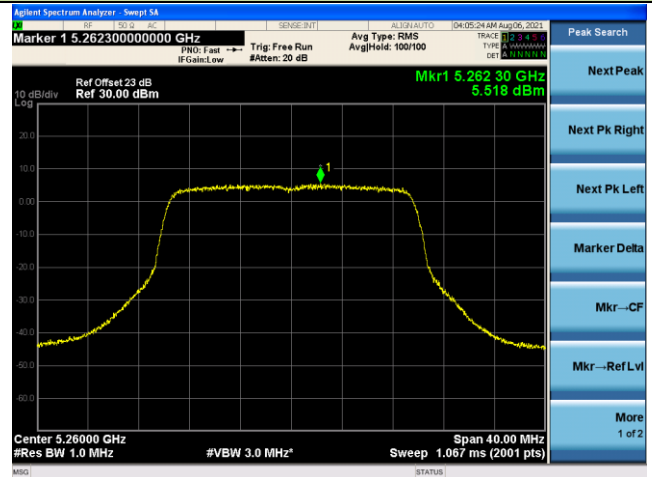
Channel 44 (5220MHz)



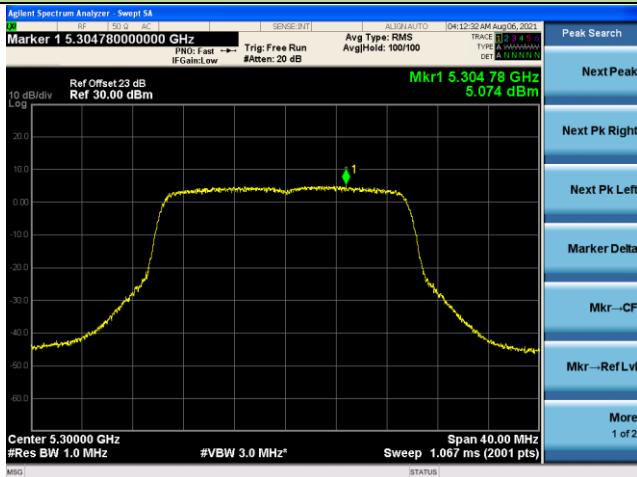
Channel 48 (5240MHz)



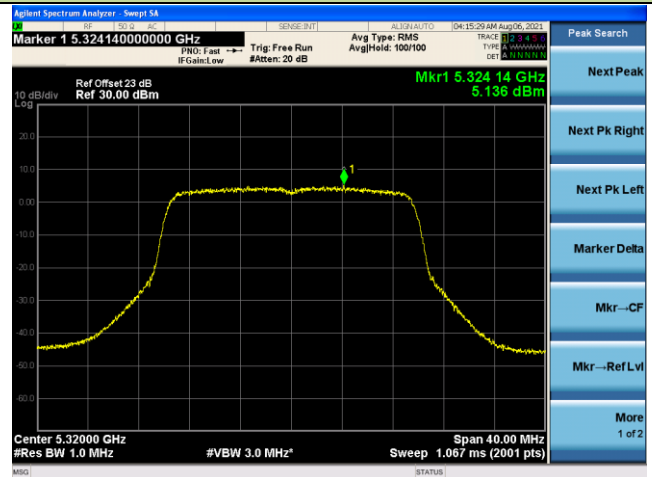
Channel 52 (5260MHz)



Channel 60 (5300MHz)

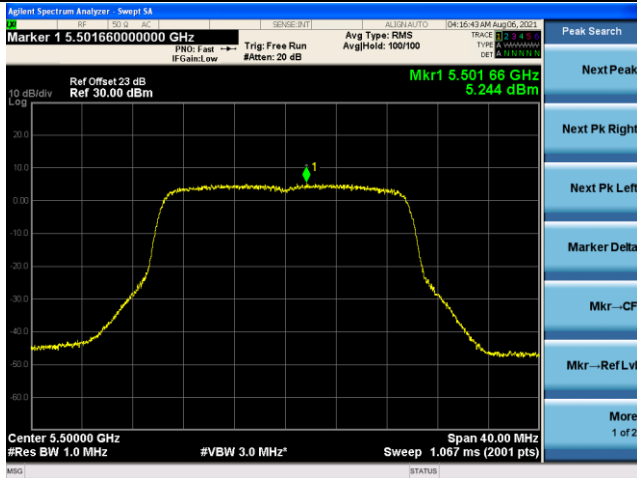


Channel 64 (5320MHz)

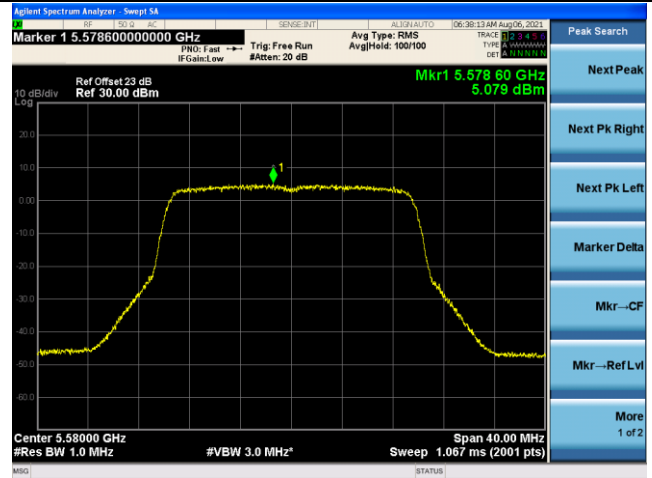


## 802.11ax-HE20 Power Spectral Density – Ant 1

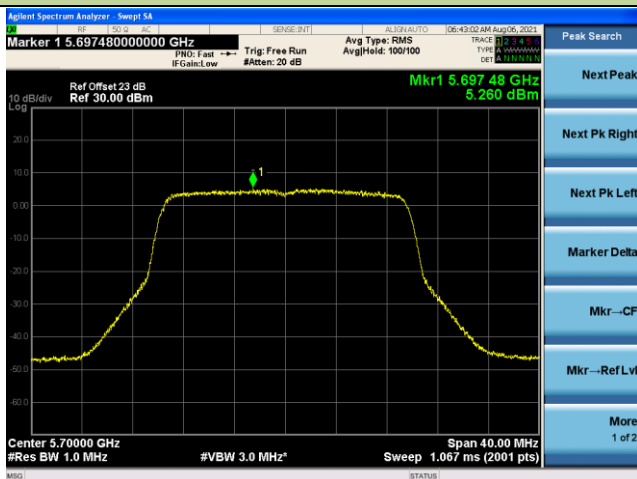
Channel 100 (5500MHz)



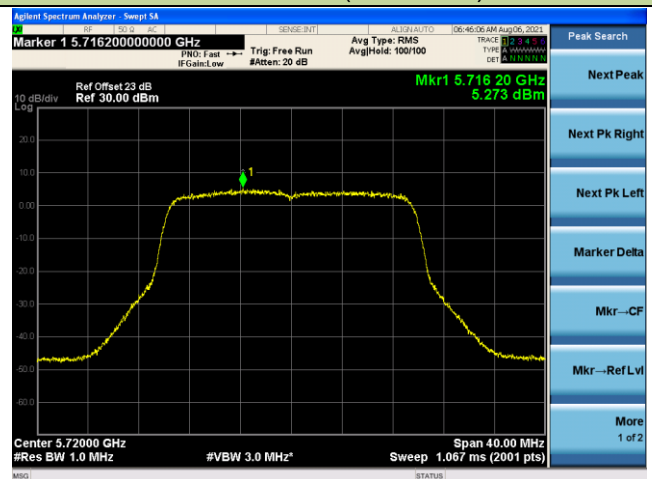
Channel 116 (5580MHz)



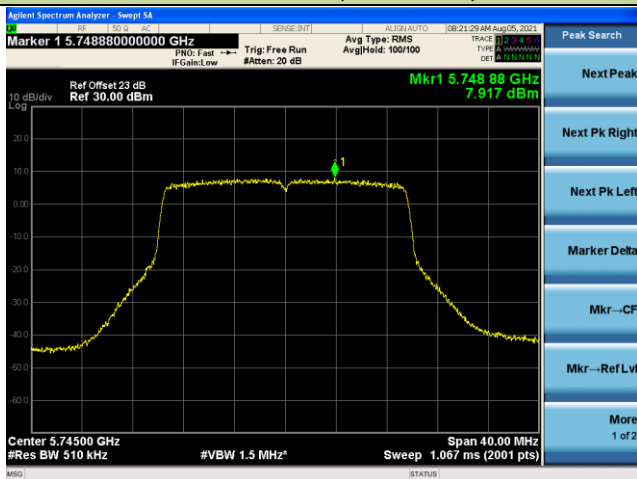
Channel 140 (5700MHz)



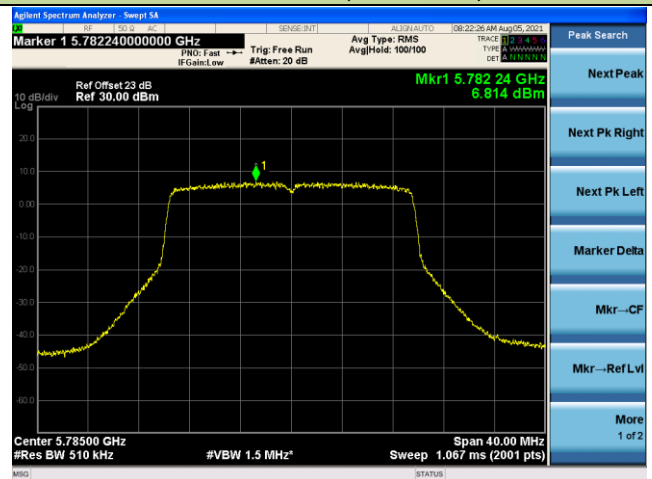
Channel 144 (5720MHz)



Channel 149 (5745MHz)

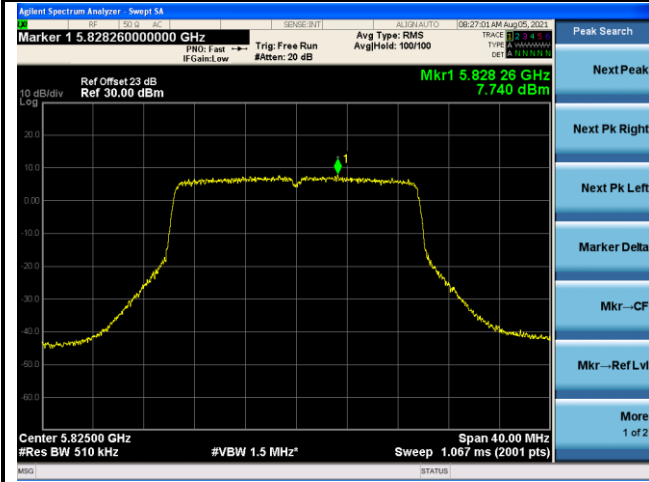


Channel 157 (5785MHz)



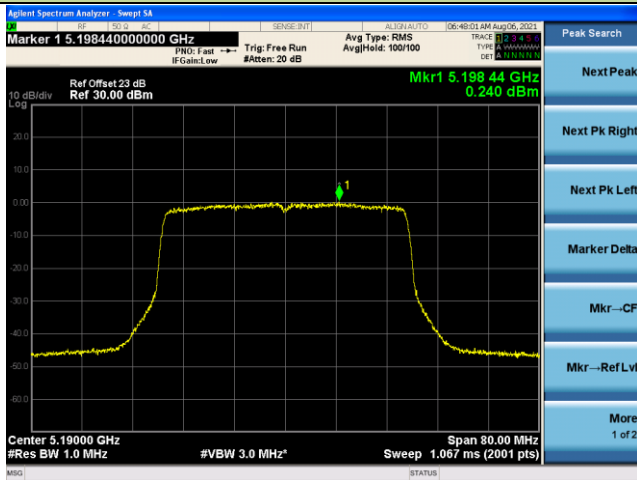
802.11ax-HE20 Power Spectral Density – Ant 1

Channel 165 (5825MHz)

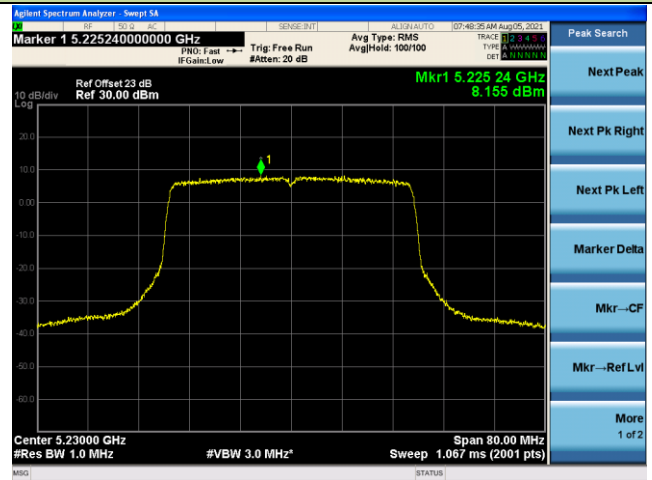


## 802.11ax-HE40 Power Spectral Density – Ant 1

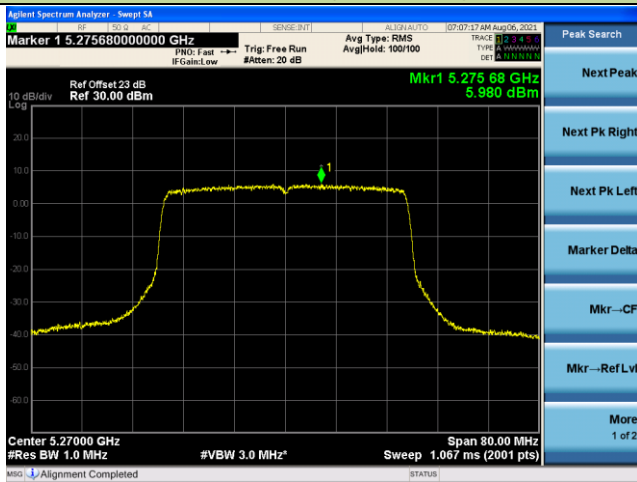
Channel 38 (5190MHz)



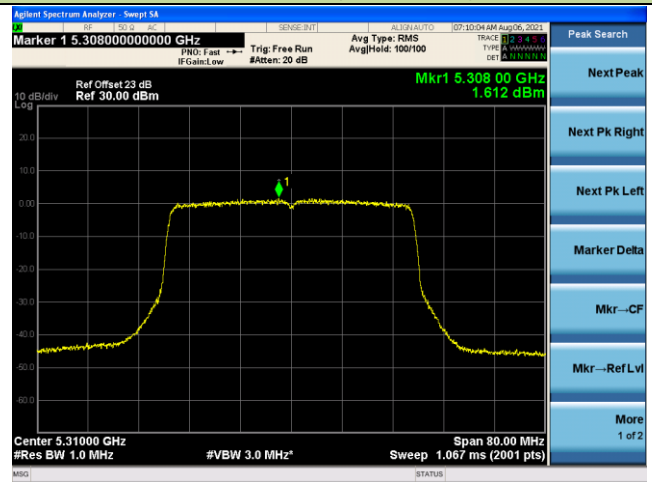
Channel 46 (5230MHz)



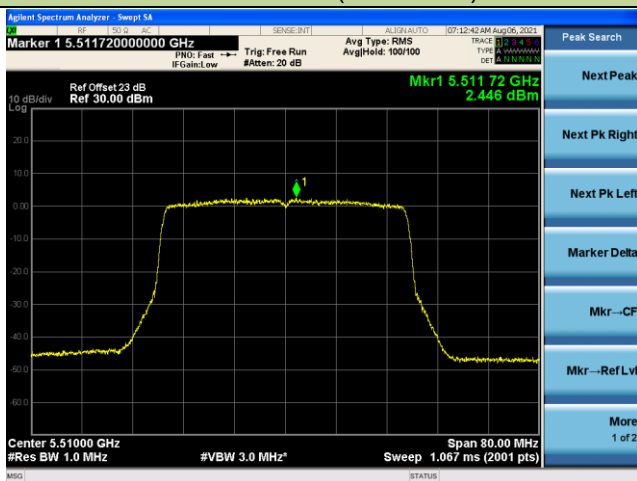
Channel 54 (5270MHz)



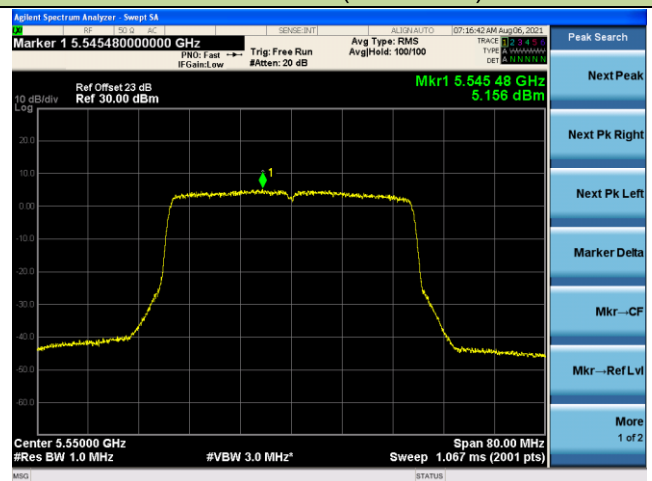
Channel 62 (5310MHz)



Channel 102 (5510MHz)

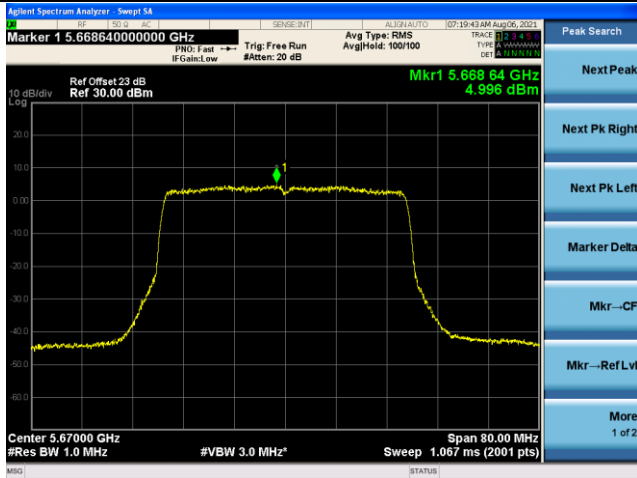


Channel 110 (5550MHz)

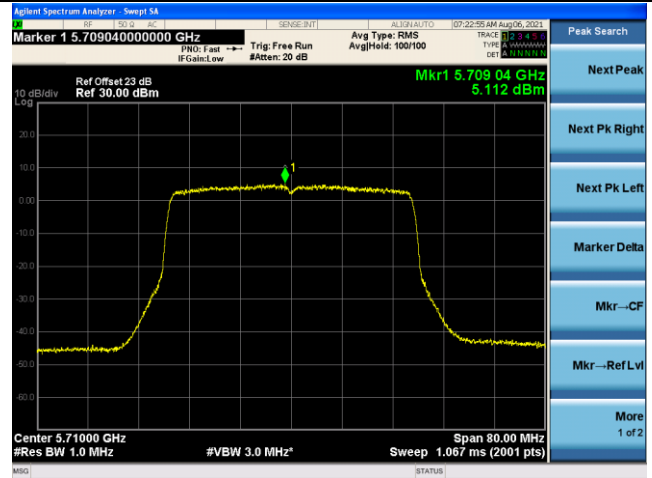


## 802.11ax-HE40 Power Spectral Density – Ant 1

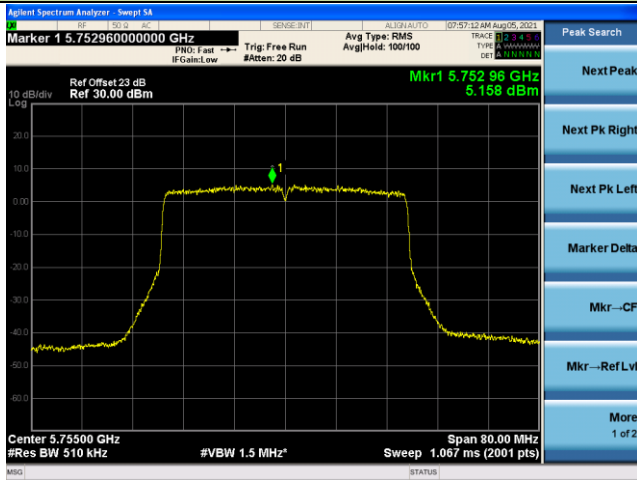
## Channel 134 (5670MHz)



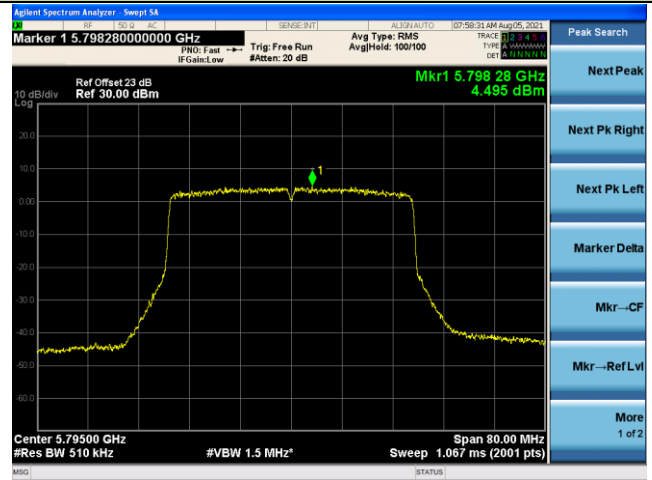
## Channel 142 (5710MHz)



## Channel 151 (5755MHz)



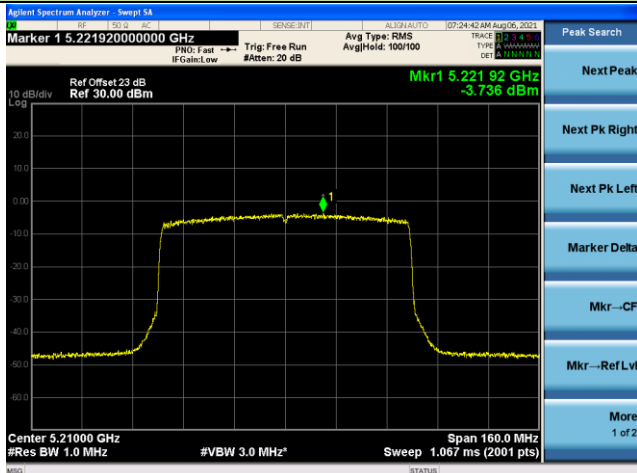
## Channel 159 (5795MHz)



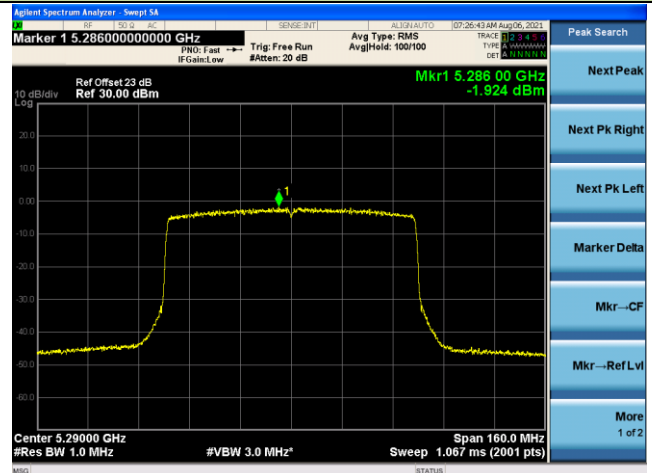


## 802.11ax-HE80 Power Spectral Density – Ant 1

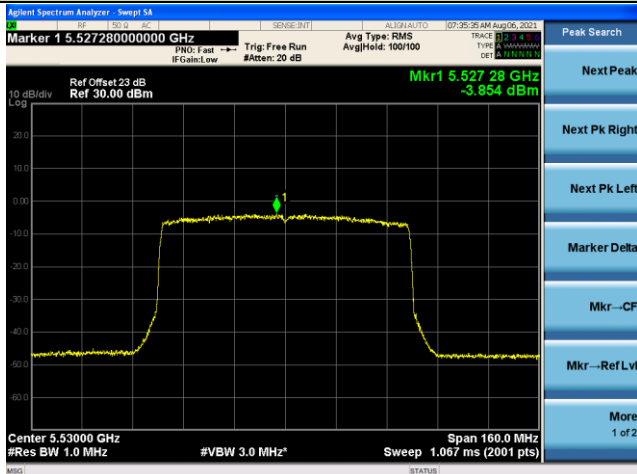
Channel 42 (5210MHz)



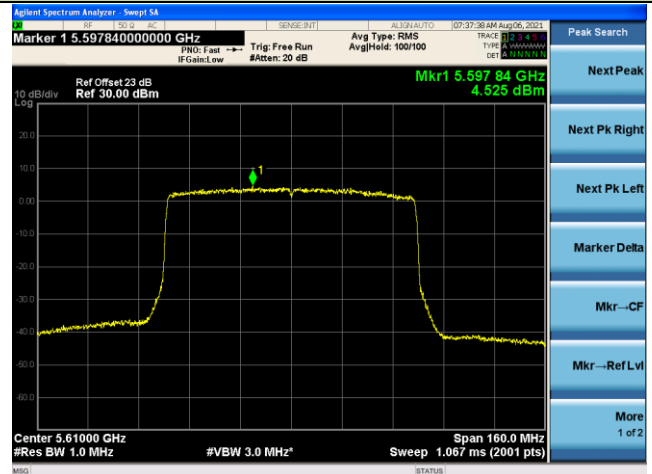
Channel 58 (5290MHz)



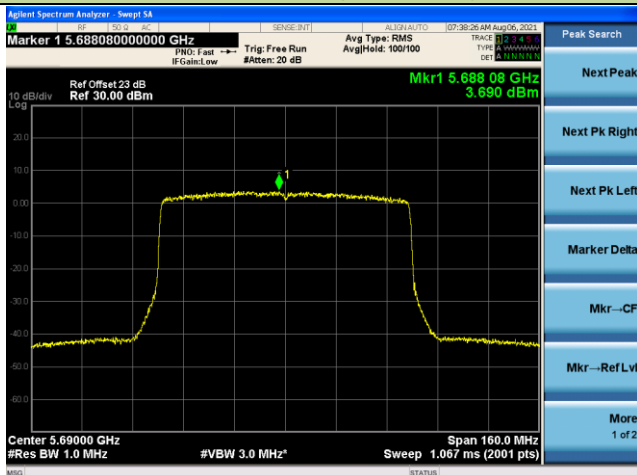
Channel 106 (5530MHz)



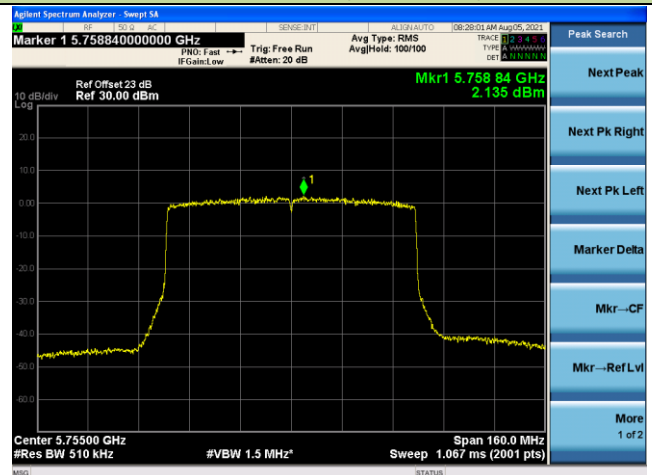
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



## 5.7. Radiated Spurious Emission Measurement

### 5.7.1. 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 ( $\mu\text{V}/\text{m}$ )	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

### 5.7.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

### 5.7.3. Test Setting

Table 1 - RBW as a function of frequency

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

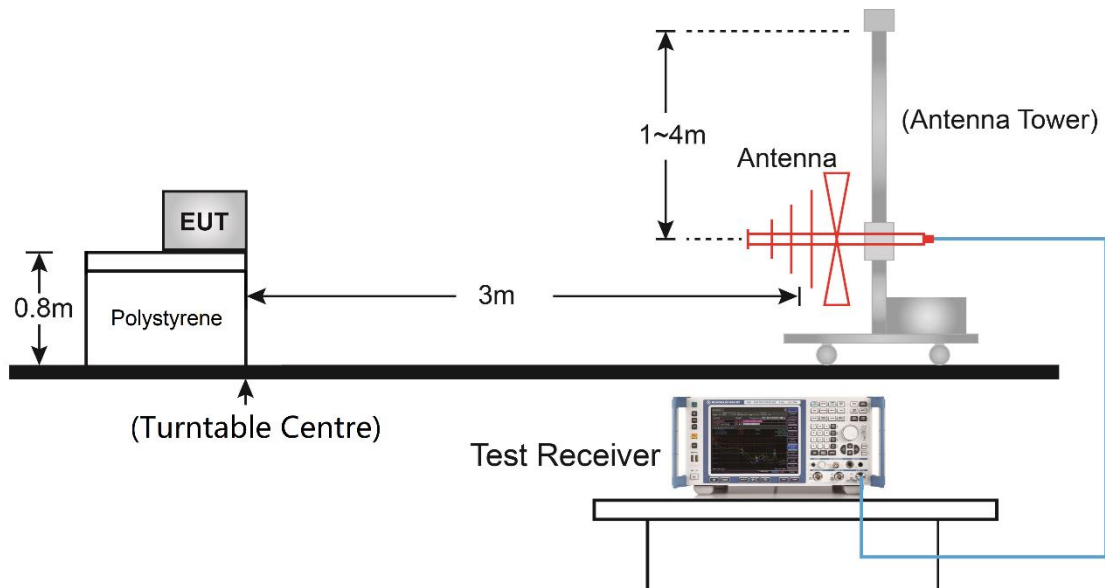
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

**Average Measurements above 1GHz (Method VB)**

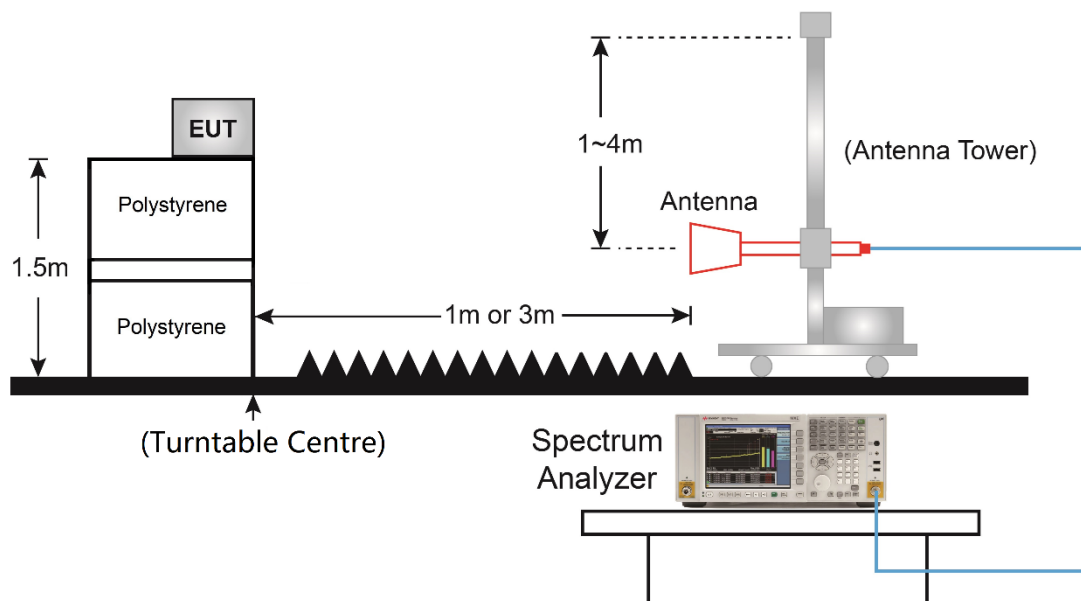
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW = 10Hz  
If the EUT duty cycle is  $< 98\%$ , set VBW  $\geq 1/T$ . T is the minimum transmission duration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

### 5.7.4. Test Setup

#### Below 1GHz Test Setup:



#### Above 1GHz Test Setup:



### 5.7.5. Test Result

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8871.0	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
*	9823.0	36.3	13.8	50.1	68.2	-18.1	Peak	Horizontal
	11098.0	35.2	16.2	51.4	74.0	-22.6	Peak	Horizontal
	12067.0	35.7	16.0	51.7	74.0	-22.3	Peak	Horizontal
*	8607.5	37.0	12.1	49.1	68.2	-19.1	Peak	Vertical
*	9967.5	36.8	14.0	50.8	68.2	-17.4	Peak	Vertical
	10979.0	35.2	15.6	50.8	74.0	-23.2	Peak	Vertical
	11999.0	35.5	15.6	51.1	74.0	-22.9	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
Test Mode	802.11a	Test Channel	44
Remark	3. Average measurement was not performed if peak level lower than average limit. 4. 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
*	8837.0	35.3	12.7	48.0	68.2	-20.2	Peak	Horizontal
*	9619.0	36.3	13.5	49.8	68.2	-18.4	Peak	Horizontal
	10698.5	35.7	15.3	51.0	74.0	-23.0	Peak	Horizontal
	11905.5	36.2	15.3	51.5	74.0	-22.5	Peak	Horizontal
*	7902.0	37.4	10.9	48.3	68.2	-19.9	Peak	Vertical
*	8692.5	35.4	12.6	48.0	68.2	-20.2	Peak	Vertical
	10741.0	35.9	15.8	51.7	74.0	-22.3	Peak	Vertical
	11905.5	36.2	15.3	51.5	74.0	-22.5	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	7842.5	36.8	10.5	47.3	68.2	-20.9	Peak	Horizontal
*	8820.0	34.8	12.7	47.5	68.2	-20.7	Peak	Horizontal
	11047.0	35.7	16.1	51.8	74.0	-22.2	Peak	Horizontal
	11931.0	36.2	15.5	51.7	74.0	-22.3	Peak	Horizontal
*	7893.5	39.5	10.7	50.2	68.2	-18.0	Peak	Vertical
*	8769.0	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
	11523.0	35.5	16.5	52.0	74.0	-22.0	Peak	Vertical
	12067.0	35.6	16.0	51.6	74.0	-22.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	7885.0	37.9	10.6	48.5	68.2	-19.7	Peak	Horizontal
*	8828.5	35.8	12.7	48.5	68.2	-19.7	Peak	Horizontal
	11123.5	35.3	16.2	51.5	74.0	-22.5	Peak	Horizontal
	11999.0	36.2	15.6	51.8	74.0	-22.2	Peak	Horizontal
*	7910.5	36.5	10.8	47.3	68.2	-20.9	Peak	Vertical
*	8837.0	35.4	12.7	48.1	68.2	-20.1	Peak	Vertical
	10877.0	34.5	15.6	50.1	74.0	-23.9	Peak	Vertical
	12016.0	36.6	15.7	52.3	74.0	-21.7	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8837.0	35.3	12.7	48.0	68.2	-20.2	Peak	Horizontal
*	10137.5	36.2	14.2	50.4	68.2	-17.8	Peak	Horizontal
	10732.5	34.0	15.5	49.5	74.0	-24.5	Peak	Horizontal
	11633.5	34.2	16.8	51.0	74.0	-23.0	Peak	Horizontal
*	8760.5	35.7	12.5	48.2	68.2	-20.0	Peak	Vertical
*	10214.0	36.7	14.2	50.9	68.2	-17.3	Peak	Vertical
	11378.5	35.6	16.1	51.7	74.0	-22.3	Peak	Vertical
	12007.5	34.3	15.7	50.0	74.0	-24.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8624.5	36.3	12.3	48.6	68.2	-19.6	Peak	Horizontal
*	10154.5	35.3	14.4	49.7	68.2	-18.5	Peak	Horizontal
	11030.0	35.4	16.2	51.6	74.0	-22.4	Peak	Horizontal
	12653.5	35.8	15.5	51.3	74.0	-22.7	Peak	Horizontal
*	8786.0	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	10154.5	35.8	14.4	50.2	68.2	-18.0	Peak	Vertical
	11489.0	34.1	16.4	50.5	74.0	-23.5	Peak	Vertical
	12594.0	36.5	15.6	52.1	74.0	-21.9	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8939.0	36.4	12.7	49.1	68.2	-19.1	Peak	Horizontal
*	9959.0	35.9	13.9	49.8	68.2	-18.4	Peak	Horizontal
	11200.0	34.8	16.5	51.3	74.0	-22.7	Peak	Horizontal
	11982.0	35.2	15.6	50.8	74.0	-23.2	Peak	Horizontal
*	8820.0	35.3	12.7	48.0	68.2	-20.2	Peak	Vertical
*	9908.0	36.1	13.7	49.8	68.2	-18.4	Peak	Vertical
	10962.0	34.5	15.9	50.4	74.0	-23.6	Peak	Vertical
	11948.0	36.5	15.5	52.0	74.0	-22.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
Test Mode	802.11a	Test Channel	116
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
*	8658.5	35.8	12.4	48.2	68.2	-20.0	Peak	Horizontal
*	9857.0	36.9	13.7	50.6	68.2	-17.6	Peak	Horizontal
	11200.0	34.5	16.5	51.0	74.0	-23.0	Peak	Horizontal
	12517.5	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
*	8692.5	33.5	12.6	46.1	68.2	-22.1	Peak	Vertical
*	10163.0	35.1	14.6	49.7	68.2	-18.5	Peak	Vertical
	11200.0	34.2	16.5	50.7	74.0	-23.3	Peak	Vertical
	12143.5	34.9	15.8	50.7	74.0	-23.3	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8913.5	36.5	12.5	49.0	68.2	-19.2	Peak	Horizontal
*	10154.5	37.8	14.4	52.2	68.2	-16.0	Peak	Horizontal
	11089.5	36.1	16.1	52.2	74.0	-21.8	Peak	Horizontal
	11905.5	36.7	15.3	52.0	74.0	-22.0	Peak	Horizontal
*	8735.0	34.1	12.8	46.9	68.2	-21.3	Peak	Vertical
*	10316.0	36.2	14.8	51.0	68.2	-17.2	Peak	Vertical
	11123.5	35.6	16.2	51.8	74.0	-22.2	Peak	Vertical
	12415.5	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8837.0	36.5	12.7	49.2	68.2	-19.0	Peak	Horizontal
*	10061.0	36.7	14.2	50.9	68.2	-17.3	Peak	Horizontal
	11030.0	34.8	16.2	51.0	74.0	-23.0	Peak	Horizontal
	11786.5	33.8	15.3	49.1	74.0	-24.9	Peak	Horizontal
*	8811.5	34.4	12.8	47.2	68.2	-21.0	Peak	Vertical
*	9967.5	36.6	14.0	50.6	68.2	-17.6	Peak	Vertical
	10979.0	35.3	15.6	50.9	74.0	-23.1	Peak	Vertical
	12483.5	37.0	15.4	52.4	74.0	-21.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	8769.0	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	9857.0	34.6	13.7	48.3	68.2	-19.9	Peak	Horizontal
	10962.0	36.2	15.9	52.1	74.0	-21.9	Peak	Horizontal
	12067.0	35.4	16.0	51.4	74.0	-22.6	Peak	Horizontal
*	8658.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	9551.0	35.1	13.1	48.2	68.2	-20.0	Peak	Vertical
	11276.5	35.5	16.1	51.6	74.0	-22.4	Peak	Vertical
	12067.0	35.3	16.0	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	8811.5	35.8	12.8	48.6	68.2	-19.6	Peak	Horizontal
*	10214.0	36.1	14.2	50.3	68.2	-17.9	Peak	Horizontal
	11387.0	34.8	16.2	51.0	74.0	-23.0	Peak	Horizontal
	12067.0	35.9	16.0	51.9	74.0	-22.1	Peak	Horizontal
*	8896.5	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	10214.0	37.0	14.2	51.2	68.2	-17.0	Peak	Vertical
	11047.0	34.7	16.1	50.8	74.0	-23.2	Peak	Vertical
	11948.0	33.8	15.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/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 (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/07/31
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
*	10154.5	36.4	14.4	50.8	68.2	-17.4	Peak	Horizontal
	11021.5	33.8	16.0	49.8	74.0	-24.2	Peak	Horizontal
	12075.5	35.1	16.0	51.1	74.0	-22.9	Peak	Horizontal
*	17481.5	37.9	22.9	60.8	68.2	-7.4	Peak	Horizontal
*	8845.5	36.4	12.5	48.9	68.2	-19.3	Peak	Vertical
*	9942.0	34.3	14.2	48.5	68.2	-19.7	Peak	Vertical
	11200.0	34.6	16.5	51.1	74.0	-22.9	Peak	Vertical
	11956.5	36.5	15.5	52.0	74.0	-22.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8692.5	35.5	12.6	48.1	68.2	-20.1	Peak	Horizontal
*	9891.0	35.7	13.6	49.3	68.2	-18.9	Peak	Horizontal
	11387.0	35.2	16.2	51.4	74.0	-22.6	Peak	Horizontal
	12186.0	35.4	15.9	51.3	74.0	-22.7	Peak	Horizontal
*	8616.0	36.2	12.3	48.5	68.2	-19.7	Peak	Vertical
*	10154.5	36.6	14.4	51.0	68.2	-17.2	Peak	Vertical
	11021.5	34.0	16.0	50.0	74.0	-24.0	Peak	Vertical
	12619.5	36.0	15.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8811.5	34.5	12.8	47.3	68.2	-20.9	Peak	Horizontal
*	10154.5	36.3	14.4	50.7	68.2	-17.5	Peak	Horizontal
	10970.5	35.0	15.8	50.8	74.0	-23.2	Peak	Horizontal
	15662.5	38.3	17.1	55.4	74.0	-18.6	Peak	Horizontal
	15662.5	26.3	17.1	43.4	54.0	-10.6	Peak	Vertical
*	8616.0	35.7	12.3	48.0	68.2	-20.2	Peak	Vertical
*	10205.5	36.7	14.3	51.0	68.2	-17.2	Peak	Vertical
	10970.5	34.4	15.8	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	7902.0	37.1	10.9	48.0	68.2	-20.2	Peak	Horizontal
*	8718.0	36.2	12.8	49.0	68.2	-19.2	Peak	Horizontal
	11395.5	35.9	16.1	52.0	74.0	-22.0	Peak	Horizontal
	12058.5	35.6	15.9	51.5	74.0	-22.5	Peak	Horizontal
*	7902.0	37.6	10.9	48.5	68.2	-19.7	Peak	Vertical
*	8896.5	36.2	12.4	48.6	68.2	-19.6	Peak	Vertical
	11183.0	34.9	16.3	51.2	74.0	-22.8	Peak	Vertical
	12551.5	36.2	15.2	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8616.0	36.0	12.3	48.3	68.2	-19.9	Peak	Horizontal
*	10154.5	36.5	14.4	50.9	68.2	-17.3	Peak	Horizontal
	11174.5	34.1	16.2	50.3	74.0	-23.7	Peak	Horizontal
	11973.5	35.8	15.6	51.4	74.0	-22.6	Peak	Horizontal
*	8004.0	37.1	11.4	48.5	68.2	-19.7	Peak	Vertical
*	8837.0	36.2	12.7	48.9	68.2	-19.3	Peak	Vertical
	10690.0	36.3	15.1	51.4	74.0	-22.6	Peak	Vertical
	11548.5	33.9	16.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8777.5	37.2	12.4	49.6	68.2	-18.6	Peak	Horizontal
*	10214.0	36.7	14.2	50.9	68.2	-17.3	Peak	Horizontal
	10843.0	34.5	15.8	50.3	74.0	-23.7	Peak	Horizontal
	12058.5	35.8	15.9	51.7	74.0	-22.3	Peak	Horizontal
*	8871.0	36.6	12.5	49.1	68.2	-19.1	Peak	Vertical
*	9619.0	36.8	13.5	50.3	68.2	-17.9	Peak	Vertical
	11123.5	34.3	16.2	50.5	74.0	-23.5	Peak	Vertical
	12160.5	35.7	15.9	51.6	74.0	-22.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8760.5	36.2	12.5	48.7	68.2	-19.5	Peak	Horizontal
*	9823.0	36.6	13.8	50.4	68.2	-17.8	Peak	Horizontal
	11285.0	35.3	16.3	51.6	74.0	-22.4	Peak	Horizontal
	12211.5	35.3	15.6	50.9	74.0	-23.1	Peak	Horizontal
*	8692.5	35.2	12.6	47.8	68.2	-20.4	Peak	Vertical
*	10052.5	36.0	14.2	50.2	68.2	-18.0	Peak	Vertical
	11421.0	36.4	15.9	52.3	74.0	-21.7	Peak	Vertical
	12024.5	35.1	15.8	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8658.5	36.5	12.4	48.9	68.2	-19.3	Peak	Horizontal
*	10163.0	36.7	14.6	51.3	68.2	-16.9	Peak	Horizontal
	10843.0	36.4	15.8	52.2	74.0	-21.8	Peak	Horizontal
	12033.0	35.2	15.8	51.0	74.0	-23.0	Peak	Horizontal
*	8743.5	35.6	12.7	48.3	68.2	-19.9	Peak	Vertical
*	9899.5	35.4	13.6	49.0	68.2	-19.2	Peak	Vertical
	10945.0	34.5	15.8	50.3	74.0	-23.7	Peak	Vertical
	11684.5	33.0	15.9	48.9	74.0	-25.1	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ac-VHT20	Test Channel	116
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
*	8947.5	36.9	12.5	49.4	68.2	-18.8	Peak	Horizontal
*	10154.5	37.2	14.4	51.6	68.2	-16.6	Peak	Horizontal
	11234.0	35.8	15.7	51.5	74.0	-22.5	Peak	Horizontal
	11846.0	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
*	8845.5	35.8	12.5	48.3	68.2	-19.9	Peak	Vertical
*	9602.0	37.7	13.4	51.1	68.2	-17.1	Peak	Vertical
	11429.5	34.9	15.8	50.7	74.0	-23.3	Peak	Vertical
	12050.0	35.5	15.8	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8828.5	36.7	12.7	49.4	68.2	-18.8	Peak	Horizontal
*	10154.5	36.1	14.4	50.5	68.2	-17.7	Peak	Horizontal
	11268.0	35.9	15.9	51.8	74.0	-22.2	Peak	Horizontal
	12007.5	35.8	15.7	51.5	74.0	-22.5	Peak	Horizontal
*	8837.0	37.2	12.7	49.9	68.2	-18.3	Peak	Vertical
*	10154.5	36.6	14.4	51.0	68.2	-17.2	Peak	Vertical
	11404.0	36.2	15.9	52.1	74.0	-21.9	Peak	Vertical
	11939.5	36.5	15.5	52.0	74.0	-22.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8837.0	36.2	12.7	48.9	68.2	-19.3	Peak	Horizontal
*	10197.0	36.5	14.4	50.9	68.2	-17.3	Peak	Horizontal
	11038.5	36.1	16.2	52.3	74.0	-21.7	Peak	Horizontal
	11829.0	36.0	15.5	51.5	74.0	-22.5	Peak	Horizontal
*	8684.0	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	10537.0	36.3	14.7	51.0	68.2	-17.2	Peak	Vertical
	11438.0	35.6	15.7	51.3	74.0	-22.7	Peak	Vertical
	12007.5	35.2	15.7	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	7893.5	38.4	10.7	49.1	68.2	-19.1	Peak	Horizontal
*	8930.5	36.8	12.6	49.4	68.2	-18.8	Peak	Horizontal
	10970.5	35.4	15.8	51.2	74.0	-22.8	Peak	Horizontal
	12169.0	35.6	16.0	51.6	74.0	-22.4	Peak	Horizontal
*	8769.0	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
*	9721.0	35.4	13.8	49.2	68.2	-19.0	Peak	Vertical
	11123.5	35.4	16.2	51.6	74.0	-22.4	Peak	Vertical
	11582.5	32.9	16.4	49.3	74.0	-24.7	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	7893.5	38.3	10.7	49.0	68.2	-19.2	Peak	Horizontal
*	9780.5	34.9	13.6	48.5	68.2	-19.7	Peak	Horizontal
	11387.0	35.5	16.2	51.7	74.0	-22.3	Peak	Horizontal
	12058.5	36.2	15.9	52.1	74.0	-21.9	Peak	Horizontal
*	8769.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	9814.5	36.3	13.9	50.2	68.2	-18.0	Peak	Vertical
	11225.5	34.3	15.9	50.2	74.0	-23.8	Peak	Vertical
	11735.5	34.3	16.0	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8845.5	36.8	12.5	49.3	68.2	-18.9	Peak	Horizontal
*	9916.5	36.6	13.8	50.4	68.2	-17.8	Peak	Horizontal
	10647.5	35.9	15.2	51.1	74.0	-22.9	Peak	Horizontal
	11650.5	35.6	16.6	52.2	74.0	-21.8	Peak	Horizontal
*	8905.0	36.3	12.5	48.8	68.2	-19.4	Peak	Vertical
*	9814.5	34.6	13.9	48.5	68.2	-19.7	Peak	Vertical
	11429.5	34.3	15.8	50.1	74.0	-23.9	Peak	Vertical
	12016.0	35.7	15.7	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8879.5	36.9	12.4	49.3	68.2	-18.9	Peak	Horizontal
*	9899.5	35.6	13.6	49.2	68.2	-19.0	Peak	Horizontal
	11285.0	35.8	16.3	52.1	74.0	-21.9	Peak	Horizontal
	11956.5	35.9	15.5	51.4	74.0	-22.6	Peak	Horizontal
*	8862.5	36.2	12.4	48.6	68.2	-19.6	Peak	Vertical
*	10154.5	36.4	14.4	50.8	68.2	-17.4	Peak	Vertical
	11293.5	34.6	16.3	50.9	74.0	-23.1	Peak	Vertical
	12050.0	35.2	15.8	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8735.0	34.7	12.8	47.5	68.2	-20.7	Peak	Horizontal
*	10171.5	35.5	14.3	49.8	68.2	-18.4	Peak	Horizontal
	11523.0	35.9	16.5	52.4	74.0	-21.6	Peak	Horizontal
	15679.5	40.8	17.0	57.8	74.0	-16.2	Peak	Horizontal
	15679.5	28.0	17.0	45.0	54.0	-9.0	Average	Horizontal
*	8922.0	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	9899.5	35.8	13.6	49.4	68.2	-18.8	Peak	Vertical
	10953.5	35.5	15.9	51.4	74.0	-22.6	Peak	Vertical
	11642.0	34.4	16.8	51.2	74.0	-22.8	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8845.5	36.7	12.5	49.2	68.2	-19.0	Peak	Horizontal
*	10052.5	37.0	14.2	51.2	68.2	-17.0	Peak	Horizontal
	11098.0	35.1	16.2	51.3	74.0	-22.7	Peak	Horizontal
	12118.0	35.6	15.8	51.4	74.0	-22.6	Peak	Horizontal
*	8769.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	9993.0	34.6	13.8	48.4	68.2	-19.8	Peak	Vertical
	10877.0	34.5	15.6	50.1	74.0	-23.9	Peak	Vertical
	12058.5	36.2	15.9	52.1	74.0	-21.9	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8837.0	36.2	12.7	48.9	68.2	-19.3	Peak	Horizontal
*	9814.5	36.9	13.9	50.8	68.2	-17.4	Peak	Horizontal
	10732.5	35.5	15.5	51.0	74.0	-23.0	Peak	Horizontal
	11922.5	35.6	15.4	51.0	74.0	-23.0	Peak	Horizontal
*	8922.0	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	9780.5	35.8	13.6	49.4	68.2	-18.8	Peak	Vertical
	11183.0	35.1	16.3	51.4	74.0	-22.6	Peak	Vertical
	11973.5	35.7	15.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8820.0	36.3	12.7	49.0	68.2	-19.2	Peak	Horizontal
*	10307.5	36.6	14.7	51.3	68.2	-16.9	Peak	Horizontal
	10681.5	35.0	15.1	50.1	74.0	-23.9	Peak	Horizontal
	11973.5	35.9	15.6	51.5	74.0	-22.5	Peak	Horizontal
*	8828.5	35.6	12.7	48.3	68.2	-19.9	Peak	Vertical
*	10129.0	36.4	14.1	50.5	68.2	-17.7	Peak	Vertical
	10783.5	36.5	15.4	51.9	74.0	-22.1	Peak	Vertical
	12067.0	35.9	16.0	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ac-VHT40	Test Channel	110
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
*	8701.0	35.0	12.7	47.7	68.2	-20.5	Peak	Horizontal
*	9916.5	36.9	13.8	50.7	68.2	-17.5	Peak	Horizontal
	10962.0	36.3	15.9	52.2	74.0	-21.8	Peak	Horizontal
	12084.0	35.7	16.0	51.7	74.0	-22.3	Peak	Horizontal
*	8871.0	36.4	12.5	48.9	68.2	-19.3	Peak	Vertical
*	10129.0	36.4	14.1	50.5	68.2	-17.7	Peak	Vertical
	10783.5	34.3	15.4	49.7	74.0	-24.3	Peak	Vertical
	11897.0	34.9	15.2	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8837.0	36.1	12.7	48.8	68.2	-19.4	Peak	Horizontal
*	9814.5	35.0	13.9	48.9	68.2	-19.3	Peak	Horizontal
	11081.0	34.7	16.0	50.7	74.0	-23.3	Peak	Horizontal
	11922.5	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	8845.5	35.6	12.5	48.1	68.2	-20.1	Peak	Vertical
*	10571.0	36.4	14.9	51.3	68.2	-16.9	Peak	Vertical
	11115.0	34.9	16.2	51.1	74.0	-22.9	Peak	Vertical
	11846.0	34.1	15.3	49.4	74.0	-24.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8760.5	36.6	12.5	49.1	68.2	-19.1	Peak	Horizontal
*	9976.0	37.5	14.1	51.6	68.2	-16.6	Peak	Horizontal
	11293.5	36.0	16.3	52.3	74.0	-21.7	Peak	Horizontal
	12041.5	36.1	15.8	51.9	74.0	-22.1	Peak	Horizontal
*	8633.0	36.7	12.3	49.0	68.2	-19.2	Peak	Vertical
*	10129.0	37.8	14.1	51.9	68.2	-16.3	Peak	Vertical
	10851.5	36.3	15.7	52.0	74.0	-22.0	Peak	Vertical
	12041.5	35.8	15.8	51.6	74.0	-22.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8828.5	35.8	12.7	48.5	68.2	-19.7	Peak	Horizontal
*	9976.0	36.9	14.1	51.0	68.2	-17.2	Peak	Horizontal
	10877.0	35.8	15.6	51.4	74.0	-22.6	Peak	Horizontal
	11922.5	36.8	15.4	52.2	74.0	-21.8	Peak	Horizontal
*	8922.0	36.9	12.4	49.3	68.2	-18.9	Peak	Vertical
*	9636.0	35.3	13.1	48.4	68.2	-19.8	Peak	Vertical
	10826.0	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical
	12084.0	35.7	16.0	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8896.5	36.9	12.4	49.3	68.2	-18.9	Peak	Horizontal
*	10205.5	36.9	14.3	51.2	68.2	-17.0	Peak	Horizontal
	11285.0	34.6	16.3	50.9	74.0	-23.1	Peak	Horizontal
	11795.0	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	8633.0	36.3	12.3	48.6	68.2	-19.6	Peak	Vertical
*	9636.0	35.5	13.1	48.6	68.2	-19.6	Peak	Vertical
	11191.5	34.2	16.4	50.6	74.0	-23.4	Peak	Vertical
	12118.0	35.3	15.8	51.1	74.0	-22.9	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8692.5	36.2	12.6	48.8	68.2	-19.4	Peak	Horizontal
*	10171.5	36.2	14.3	50.5	68.2	-17.7	Peak	Horizontal
	10877.0	34.4	15.6	50.0	74.0	-24.0	Peak	Horizontal
	11956.5	36.2	15.5	51.7	74.0	-22.3	Peak	Horizontal
*	8854.0	36.0	12.3	48.3	68.2	-19.9	Peak	Vertical
*	9908.0	37.2	13.7	50.9	68.2	-17.3	Peak	Vertical
	11395.5	35.2	16.1	51.3	74.0	-22.7	Peak	Vertical
	11752.5	34.9	15.7	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	36.4	12.6	49.0	68.2	-19.2	Peak	Horizontal
*	10290.5	36.0	14.6	50.6	68.2	-17.6	Peak	Horizontal
	11106.5	34.6	16.2	50.8	74.0	-23.2	Peak	Horizontal
	11846.0	33.8	15.3	49.1	74.0	-24.9	Peak	Horizontal
*	8675.5	36.2	12.3	48.5	68.2	-19.7	Peak	Vertical
*	10061.0	36.6	14.2	50.8	68.2	-17.4	Peak	Vertical
	11021.5	34.7	16.0	50.7	74.0	-23.3	Peak	Vertical
	11965.0	35.9	15.5	51.4	74.0	-22.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/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 (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8650.0	36.7	12.5	49.2	68.2	-19.0	Peak	Horizontal
*	10078.0	36.4	14.0	50.4	68.2	-17.8	Peak	Horizontal
	10962.0	34.8	15.9	50.7	74.0	-23.3	Peak	Horizontal
	12237.0	35.9	15.5	51.4	74.0	-22.6	Peak	Horizontal
*	8930.5	36.1	12.6	48.7	68.2	-19.5	Peak	Vertical
*	9814.5	35.3	13.9	49.2	68.2	-19.0	Peak	Vertical
	10970.5	34.3	15.8	50.1	74.0	-23.9	Peak	Vertical
	12458.0	37.1	15.0	52.1	74.0	-21.9	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8726.5	35.9	12.8	48.7	68.2	-19.5	Peak	Horizontal
*	10163.0	35.9	14.6	50.5	68.2	-17.7	Peak	Horizontal
	11217.0	35.3	16.1	51.4	74.0	-22.6	Peak	Horizontal
	11999.0	36.3	15.6	51.9	74.0	-22.1	Peak	Horizontal
*	8760.5	36.3	12.5	48.8	68.2	-19.4	Peak	Vertical
*	9814.5	36.1	13.9	50.0	68.2	-18.2	Peak	Vertical
	10885.5	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical
	11922.5	35.6	15.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8718.0	36.2	12.8	49.0	68.2	-19.2	Peak	Horizontal
*	9916.5	36.0	13.8	49.8	68.2	-18.4	Peak	Horizontal
	11378.5	35.3	16.1	51.4	74.0	-22.6	Peak	Horizontal
	12271.0	33.6	15.5	49.1	74.0	-24.9	Peak	Horizontal
*	8922.0	38.1	12.4	50.5	68.2	-17.7	Peak	Vertical
*	9814.5	36.6	13.9	50.5	68.2	-17.7	Peak	Vertical
	11378.5	35.8	16.1	51.9	74.0	-22.1	Peak	Vertical
	12152.0	35.6	15.9	51.5	74.0	-22.5	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8837.0	37.4	12.7	50.1	68.2	-18.1	Peak	Horizontal
*	9925.0	36.9	14.0	50.9	68.2	-17.3	Peak	Horizontal
	11548.5	34.8	16.6	51.4	74.0	-22.6	Peak	Horizontal
	11854.5	35.2	15.2	50.4	74.0	-23.6	Peak	Horizontal
*	8845.5	36.4	12.5	48.9	68.2	-19.3	Peak	Vertical
*	9874.0	35.2	14.1	49.3	68.2	-18.9	Peak	Vertical
	11021.5	34.1	16.0	50.1	74.0	-23.9	Peak	Vertical
	12067.0	35.0	16.0	51.0	74.0	-23.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8862.5	36.0	12.4	48.4	68.2	-19.8	Peak	Horizontal
*	10061.0	36.8	14.2	51.0	68.2	-17.2	Peak	Horizontal
	10945.0	35.7	15.8	51.5	74.0	-22.5	Peak	Horizontal
	11999.0	36.2	15.6	51.8	74.0	-22.2	Peak	Horizontal
*	8769.0	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	10214.0	36.7	14.2	50.9	68.2	-17.3	Peak	Vertical
	10877.0	33.4	15.6	49.0	74.0	-25.0	Peak	Vertical
	11897.0	33.9	15.2	49.1	74.0	-24.9	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8837.0	36.2	12.7	48.9	68.2	-19.3	Peak	Horizontal
*	10137.5	36.2	14.2	50.4	68.2	-17.8	Peak	Horizontal
	12033.0	36.2	15.8	52.0	74.0	-22.0	Peak	Horizontal
	15662.5	38.3	17.1	55.4	74.0	-18.6	Peak	Horizontal
	15662.5	27.5	17.1	44.6	54.0	-9.4	Average	Horizontal
*	8599.0	36.9	12.0	48.9	68.2	-19.3	Peak	Vertical
*	10154.5	36.3	14.4	50.7	68.2	-17.5	Peak	Vertical
	11276.5	33.5	16.1	49.6	74.0	-24.4	Peak	Vertical
	11999.0	36.1	15.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8854.0	35.1	12.3	47.4	68.2	-20.8	Peak	Horizontal
*	10137.5	36.2	14.2	50.4	68.2	-17.8	Peak	Horizontal
	11387.0	35.5	16.2	51.7	74.0	-22.3	Peak	Horizontal
	12475.0	36.1	15.3	51.4	74.0	-22.6	Peak	Horizontal
*	8820.0	35.6	12.7	48.3	68.2	-19.9	Peak	Vertical
*	9729.5	35.2	13.7	48.9	68.2	-19.3	Peak	Vertical
	11285.0	34.8	16.3	51.1	74.0	-22.9	Peak	Vertical
	12254.0	34.8	15.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8811.5	34.9	12.8	47.7	68.2	-20.5	Peak	Horizontal
*	9678.5	36.4	13.3	49.7	68.2	-18.5	Peak	Horizontal
	11378.5	35.9	16.1	52.0	74.0	-22.0	Peak	Horizontal
	12033.0	36.7	15.8	52.5	74.0	-21.5	Peak	Horizontal
*	8701.0	36.2	12.7	48.9	68.2	-19.3	Peak	Vertical
*	10137.5	37.1	14.2	51.3	68.2	-16.9	Peak	Vertical
	11038.5	35.2	16.2	51.4	74.0	-22.6	Peak	Vertical
	12024.5	35.6	15.8	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8701.0	35.9	12.7	48.6	68.2	-19.6	Peak	Horizontal
*	10044.0	36.9	14.2	51.1	68.2	-17.1	Peak	Horizontal
	10800.5	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
	11999.0	36.3	15.6	51.9	74.0	-22.1	Peak	Horizontal
*	8837.0	36.5	12.7	49.2	68.2	-19.0	Peak	Vertical
*	9942.0	35.0	14.2	49.2	68.2	-19.0	Peak	Vertical
	10732.5	34.6	15.5	50.1	74.0	-23.9	Peak	Vertical
	11922.5	36.7	15.4	52.1	74.0	-21.9	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8837.0	35.8	12.7	48.5	68.2	-19.7	Peak	Horizontal
*	9959.0	36.5	13.9	50.4	68.2	-17.8	Peak	Horizontal
	10826.0	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
	11684.5	33.3	15.9	49.2	74.0	-24.8	Peak	Horizontal
*	8786.0	37.0	12.4	49.4	68.2	-18.8	Peak	Vertical
*	10171.5	35.6	14.3	49.9	68.2	-18.3	Peak	Vertical
	10732.5	35.1	15.5	50.6	74.0	-23.4	Peak	Vertical
	11846.0	36.1	15.3	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8726.5	36.1	12.8	48.9	68.2	-19.3	Peak	Horizontal
*	10154.5	37.3	14.4	51.7	68.2	-16.5	Peak	Horizontal
	10928.0	33.7	15.6	49.3	74.0	-24.7	Peak	Horizontal
	12033.0	35.9	15.8	51.7	74.0	-22.3	Peak	Horizontal
*	8820.0	36.8	12.7	49.5	68.2	-18.7	Peak	Vertical
*	10146.0	36.6	14.3	50.9	68.2	-17.3	Peak	Vertical
	11370.0	36.9	15.9	52.8	74.0	-21.2	Peak	Vertical
	12611.0	35.9	15.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	Test Channel	116
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
*	8777.5	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	9899.5	37.8	13.6	51.4	68.2	-16.8	Peak	Horizontal
	11514.5	35.1	16.4	51.5	74.0	-22.5	Peak	Horizontal
	11854.5	36.6	15.2	51.8	74.0	-22.2	Peak	Horizontal
*	8633.0	37.2	12.3	49.5	68.2	-18.7	Peak	Vertical
*	10146.0	37.1	14.3	51.4	68.2	-16.8	Peak	Vertical
	11157.5	36.0	16.0	52.0	74.0	-22.0	Peak	Vertical
	12084.0	35.7	16.0	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8709.5	35.9	12.8	48.7	68.2	-19.5	Peak	Horizontal
*	10384.0	35.4	15.1	50.5	68.2	-17.7	Peak	Horizontal
	11395.5	36.5	16.1	52.6	74.0	-21.4	Peak	Horizontal
	12679.0	37.8	15.4	53.2	74.0	-20.8	Peak	Horizontal
*	8692.5	36.4	12.6	49.0	68.2	-19.2	Peak	Vertical
*	9602.0	36.9	13.4	50.3	68.2	-17.9	Peak	Vertical
	11174.5	35.1	16.2	51.3	74.0	-22.7	Peak	Vertical
	12118.0	36.2	15.8	52.0	74.0	-22.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8735.0	35.6	12.8	48.4	68.2	-19.8	Peak	Horizontal
*	10146.0	36.9	14.3	51.2	68.2	-17.0	Peak	Horizontal
	11438.0	36.3	15.7	52.0	74.0	-22.0	Peak	Horizontal
	12475.0	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	8743.5	36.3	12.7	49.0	68.2	-19.2	Peak	Vertical
*	10163.0	36.5	14.6	51.1	68.2	-17.1	Peak	Vertical
	11438.0	35.7	15.7	51.4	74.0	-22.6	Peak	Vertical
	12441.0	34.4	15.0	49.4	74.0	-24.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8888.0	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
*	9661.5	36.8	13.4	50.2	68.2	-18.0	Peak	Horizontal
	10766.5	36.6	15.5	52.1	74.0	-21.9	Peak	Horizontal
	11489.0	35.3	16.4	51.7	74.0	-22.3	Peak	Horizontal
*	8922.0	36.4	12.4	48.8	68.2	-19.4	Peak	Vertical
*	10061.0	36.0	14.2	50.2	68.2	-18.0	Peak	Vertical
	10877.0	35.1	15.6	50.7	74.0	-23.3	Peak	Vertical
	11973.5	35.7	15.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE20	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
*	8837.0	37.4	12.7	50.1	68.2	-18.1	Peak	Horizontal
*	9959.0	36.7	13.9	50.6	68.2	-17.6	Peak	Horizontal
	10877.0	34.8	15.6	50.4	74.0	-23.6	Peak	Horizontal
	11948.0	34.9	15.5	50.4	74.0	-23.6	Peak	Horizontal
*	8811.5	34.1	12.8	46.9	68.2	-21.3	Peak	Vertical
*	9678.5	35.4	13.3	48.7	68.2	-19.5	Peak	Vertical
	11429.5	35.2	15.8	51.0	74.0	-23.0	Peak	Vertical
	11846.0	34.5	15.3	49.8	74.0	-24.2	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
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
*	8828.5	36.3	12.7	49.0	68.2	-19.2	Peak	Horizontal
*	9636.0	37.0	13.1	50.1	68.2	-18.1	Peak	Horizontal
	11047.0	35.0	16.1	51.1	74.0	-22.9	Peak	Horizontal
	11650.5	35.1	16.6	51.7	74.0	-22.3	Peak	Horizontal
*	8735.0	34.9	12.8	47.7	68.2	-20.5	Peak	Vertical
*	10120.5	35.6	13.9	49.5	68.2	-18.7	Peak	Vertical
	10732.5	34.5	15.5	50.0	74.0	-24.0	Peak	Vertical
	12415.5	36.2	15.3	51.5	74.0	-22.5	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8624.5	34.9	12.3	47.2	68.2	-21.0	Peak	Horizontal
*	9865.5	35.1	13.9	49.0	68.2	-19.2	Peak	Horizontal
	11395.5	35.5	16.1	51.6	74.0	-22.4	Peak	Horizontal
	12109.5	34.5	15.9	50.4	74.0	-23.6	Peak	Horizontal
*	8752.0	35.0	12.6	47.6	68.2	-20.6	Peak	Vertical
*	9976.0	35.8	14.1	49.9	68.2	-18.3	Peak	Vertical
	11013.0	35.4	15.7	51.1	74.0	-22.9	Peak	Vertical
	11803.5	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8922.0	36.7	12.4	49.1	68.2	-19.1	Peak	Horizontal
*	9942.0	36.1	14.2	50.3	68.2	-17.9	Peak	Horizontal
	11183.0	34.8	16.3	51.1	74.0	-22.9	Peak	Horizontal
	11846.0	33.8	15.3	49.1	74.0	-24.9	Peak	Horizontal
*	8735.0	35.5	12.8	48.3	68.2	-19.9	Peak	Vertical
*	9976.0	36.3	14.1	50.4	68.2	-17.8	Peak	Vertical
	11047.0	35.1	16.1	51.2	74.0	-22.8	Peak	Vertical
	12041.5	35.3	15.8	51.1	74.0	-22.9	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	8837.0	36.1	12.7	48.8	68.2	-19.4	Peak	Horizontal
*	9976.0	36.7	14.1	50.8	68.2	-17.4	Peak	Horizontal
	10936.5	35.0	15.7	50.7	74.0	-23.3	Peak	Horizontal
	12041.5	36.3	15.8	52.1	74.0	-21.9	Peak	Horizontal
*	8752.0	35.8	12.6	48.4	68.2	-19.8	Peak	Vertical
*	10163.0	35.9	14.6	50.5	68.2	-17.7	Peak	Vertical
	11030.0	35.0	16.2	51.2	74.0	-22.8	Peak	Vertical
	12602.5	35.6	15.5	51.1	74.0	-22.9	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/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 (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8607.5	37.4	12.1	49.5	68.2	-18.7	Peak	Horizontal
*	9823.0	36.3	13.8	50.1	68.2	-18.1	Peak	Horizontal
	11200.0	35.4	16.5	51.9	74.0	-22.1	Peak	Horizontal
	12220.0	33.7	15.5	49.2	74.0	-24.8	Peak	Horizontal
*	8820.0	35.7	12.7	48.4	68.2	-19.8	Peak	Vertical
*	9814.5	35.8	13.9	49.7	68.2	-18.5	Peak	Vertical
	11123.5	35.1	16.2	51.3	74.0	-22.7	Peak	Vertical
	12058.5	35.6	15.9	51.5	74.0	-22.5	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8820.0	35.3	12.7	48.0	68.2	-20.2	Peak	Horizontal
*	9729.5	34.9	13.7	48.6	68.2	-19.6	Peak	Horizontal
	10953.5	34.9	15.9	50.8	74.0	-23.2	Peak	Horizontal
	11965.0	35.6	15.5	51.1	74.0	-22.9	Peak	Horizontal
*	8837.0	35.9	12.7	48.6	68.2	-19.6	Peak	Vertical
*	9738.0	36.0	13.7	49.7	68.2	-18.5	Peak	Vertical
	11030.0	35.6	16.2	51.8	74.0	-22.2	Peak	Vertical
	11812.0	34.9	15.5	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	Test Channel	110
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
*	8939.0	36.3	12.7	49.0	68.2	-19.2	Peak	Horizontal
*	9738.0	36.3	13.7	50.0	68.2	-18.2	Peak	Horizontal
	11387.0	35.2	16.2	51.4	74.0	-22.6	Peak	Horizontal
	12058.5	34.7	15.9	50.6	74.0	-23.4	Peak	Horizontal
*	8701.0	35.5	12.7	48.2	68.2	-20.0	Peak	Vertical
*	10044.0	35.4	14.2	49.6	68.2	-18.6	Peak	Vertical
	10979.0	34.3	15.6	49.9	74.0	-24.1	Peak	Vertical
	12024.5	35.5	15.8	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8726.5	36.0	12.8	48.8	68.2	-19.4	Peak	Horizontal
*	9942.0	34.9	14.2	49.1	68.2	-19.1	Peak	Horizontal
	11038.5	35.2	16.2	51.4	74.0	-22.6	Peak	Horizontal
	11990.5	36.4	15.6	52.0	74.0	-22.0	Peak	Horizontal
*	8743.5	35.7	12.7	48.4	68.2	-19.8	Peak	Vertical
*	9721.0	35.4	13.8	49.2	68.2	-19.0	Peak	Vertical
	11021.5	34.0	16.0	50.0	74.0	-24.0	Peak	Vertical
	11735.5	33.3	16.0	49.3	74.0	-24.7	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8709.5	35.8	12.8	48.6	68.2	-19.6	Peak	Horizontal
*	10052.5	36.8	14.2	51.0	68.2	-17.2	Peak	Horizontal
	10800.5	35.7	15.4	51.1	74.0	-22.9	Peak	Horizontal
	12016.0	35.4	15.7	51.1	74.0	-22.9	Peak	Horizontal
*	8760.5	36.1	12.5	48.6	68.2	-19.6	Peak	Vertical
*	10120.5	34.8	13.9	48.7	68.2	-19.5	Peak	Vertical
	10877.0	34.0	15.6	49.6	74.0	-24.4	Peak	Vertical
	12050.0	36.2	15.8	52.0	74.0	-22.0	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8684.0	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	10171.5	35.8	14.3	50.1	68.2	-18.1	Peak	Horizontal
	11506.0	35.2	16.3	51.5	74.0	-22.5	Peak	Horizontal
	12041.5	35.7	15.8	51.5	74.0	-22.5	Peak	Horizontal
*	8845.5	36.8	12.5	49.3	68.2	-18.9	Peak	Vertical
*	9551.0	35.1	13.1	48.2	68.2	-20.0	Peak	Vertical
	10783.5	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical
	11582.5	32.4	16.4	48.8	74.0	-25.2	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE40	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
*	8845.5	36.2	12.5	48.7	68.2	-19.5	Peak	Horizontal
*	10137.5	36.4	14.2	50.6	68.2	-17.6	Peak	Horizontal
	11174.5	35.3	16.2	51.5	74.0	-22.5	Peak	Horizontal
	11905.5	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	8658.5	36.7	12.4	49.1	68.2	-19.1	Peak	Vertical
*	10528.5	35.6	14.9	50.5	68.2	-17.7	Peak	Vertical
	11021.5	34.0	16.0	50.0	74.0	-24.0	Peak	Vertical
	12330.5	34.2	15.2	49.4	74.0	-24.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE80	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
*	8692.5	36.0	12.6	48.6	68.2	-19.6	Peak	Horizontal
*	9721.0	37.2	13.8	51.0	68.2	-17.2	Peak	Horizontal
	11183.0	34.9	16.3	51.2	74.0	-22.8	Peak	Horizontal
	11531.5	33.4	16.5	49.9	74.0	-24.1	Peak	Horizontal
*	8811.5	34.8	12.8	47.6	68.2	-20.6	Peak	Vertical
*	9942.0	35.2	14.2	49.4	68.2	-18.8	Peak	Vertical
	10732.5	35.8	15.5	51.3	74.0	-22.7	Peak	Vertical
	10970.5	36.5	15.8	52.3	74.0	-21.7	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE80	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
*	8633.0	37.0	12.3	49.3	68.2	-18.9	Peak	Horizontal
*	9984.5	36.5	14.0	50.5	68.2	-17.7	Peak	Horizontal
	11293.5	34.8	16.3	51.1	74.0	-22.9	Peak	Horizontal
	12271.0	34.6	15.5	50.1	74.0	-23.9	Peak	Horizontal
*	8675.5	36.4	12.3	48.7	68.2	-19.5	Peak	Vertical
*	10180.0	36.7	14.1	50.8	68.2	-17.4	Peak	Vertical
	10639.0	36.6	15.2	51.8	74.0	-22.2	Peak	Vertical
	11548.5	34.6	16.6	51.2	74.0	-22.8	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE80	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
*	8913.5	36.3	12.5	48.8	68.2	-19.4	Peak	Horizontal
*	9772.0	34.5	13.8	48.3	68.2	-19.9	Peak	Horizontal
	10877.0	33.8	15.6	49.4	74.0	-24.6	Peak	Horizontal
	12033.0	35.4	15.8	51.2	74.0	-22.8	Peak	Horizontal
*	8684.0	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	9814.5	35.7	13.9	49.6	68.2	-18.6	Peak	Vertical
	10953.5	36.0	15.9	51.9	74.0	-22.1	Peak	Vertical
	12126.5	36.0	15.8	51.8	74.0	-22.2	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Product	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE80	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
*	8828.5	36.6	12.7	49.3	68.2	-18.9	Peak	Horizontal
*	9857.0	35.1	13.7	48.8	68.2	-19.4	Peak	Horizontal
	10605.0	35.4	15.0	50.4	74.0	-23.6	Peak	Horizontal
	11089.5	35.4	16.1	51.5	74.0	-22.5	Peak	Horizontal
*	8692.5	36.2	12.6	48.8	68.2	-19.4	Peak	Vertical
*	10069.5	35.9	14.1	50.0	68.2	-18.2	Peak	Vertical
	11174.5	34.3	16.2	50.5	74.0	-23.5	Peak	Vertical
	11846.0	34.1	15.3	49.4	74.0	-24.6	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE80	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
*	8777.5	36.5	12.4	48.9	68.2	-19.3	Peak	Horizontal
*	9806.0	36.7	13.9	50.6	68.2	-17.6	Peak	Horizontal
	11557.0	34.7	16.6	51.3	74.0	-22.7	Peak	Horizontal
	12415.5	35.8	15.3	51.1	74.0	-22.9	Peak	Horizontal
*	8854.0	35.5	12.3	47.8	68.2	-20.4	Peak	Vertical
*	9593.5	34.9	13.2	48.1	68.2	-20.1	Peak	Vertical
	10809.0	35.3	15.5	50.8	74.0	-23.2	Peak	Vertical
	12084.0	35.6	16.0	51.6	74.0	-22.4	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	5G NR/LTE Router	Test Engineer	Dillon Diao
Test Site	NS-AC1	Test Date	2021/08/02
Test Mode	802.11ax-HE80	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
*	8735.0	35.9	12.8	48.7	68.2	-19.5	Peak	Horizontal
*	10137.5	36.2	14.2	50.4	68.2	-17.8	Peak	Horizontal
	11370.0	35.3	15.9	51.2	74.0	-22.8	Peak	Horizontal
	12058.5	34.5	15.9	50.4	74.0	-23.6	Peak	Horizontal
*	8692.5	35.7	12.6	48.3	68.2	-19.9	Peak	Vertical
*	10154.5	37.0	14.4	51.4	68.2	-16.8	Peak	Vertical
	11285.0	35.8	16.3	52.1	74.0	-21.9	Peak	Vertical
	11999.0	36.4	15.6	52.0	74.0	-22.0	Peak	Vertical

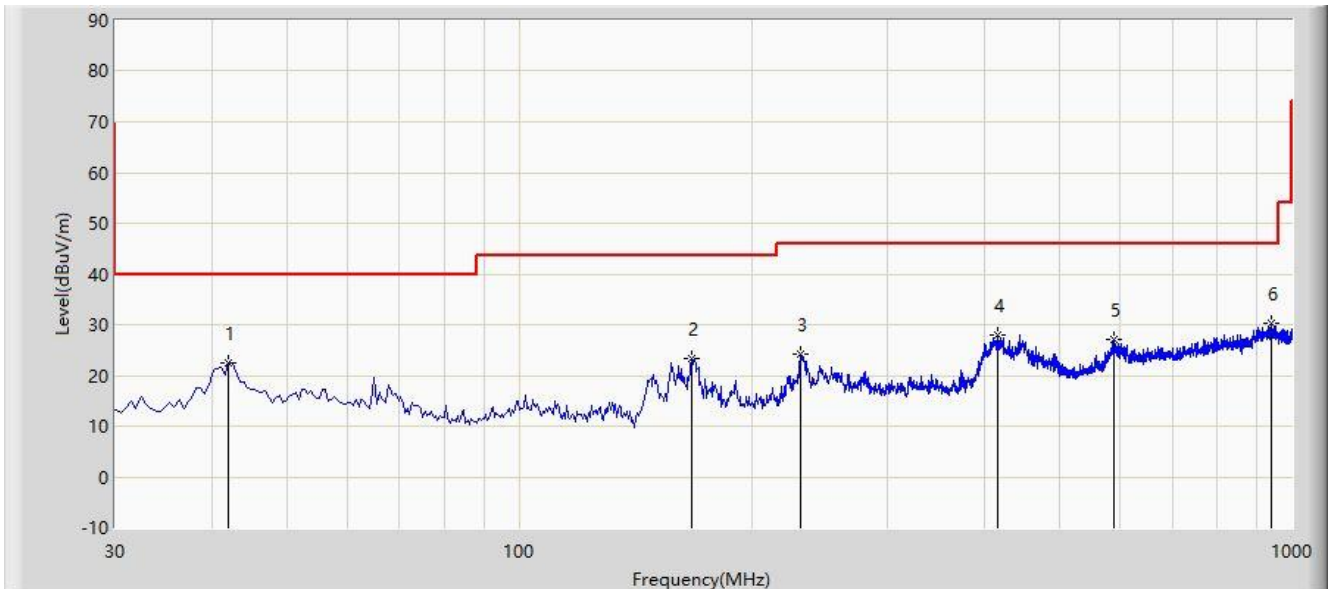
Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

**The Worst Case of Radiated Emission below 1GHz:**

Site: NS-AC1	Time: 2021/07/17 - 10:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_VULB9162	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5785MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			42.125	22.353	5.558	-17.647	40.000	16.795	PK
2			167.255	23.478	11.095	-20.022	43.500	12.383	PK
3			231.275	24.347	8.623	-21.653	46.000	15.724	PK
4			415.575	27.983	8.340	-18.017	46.000	19.643	PK
5			587.265	27.119	3.759	-18.881	46.000	23.360	PK
6		*	938.890	30.365	2.710	-15.635	46.000	27.655	PK

Note 1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

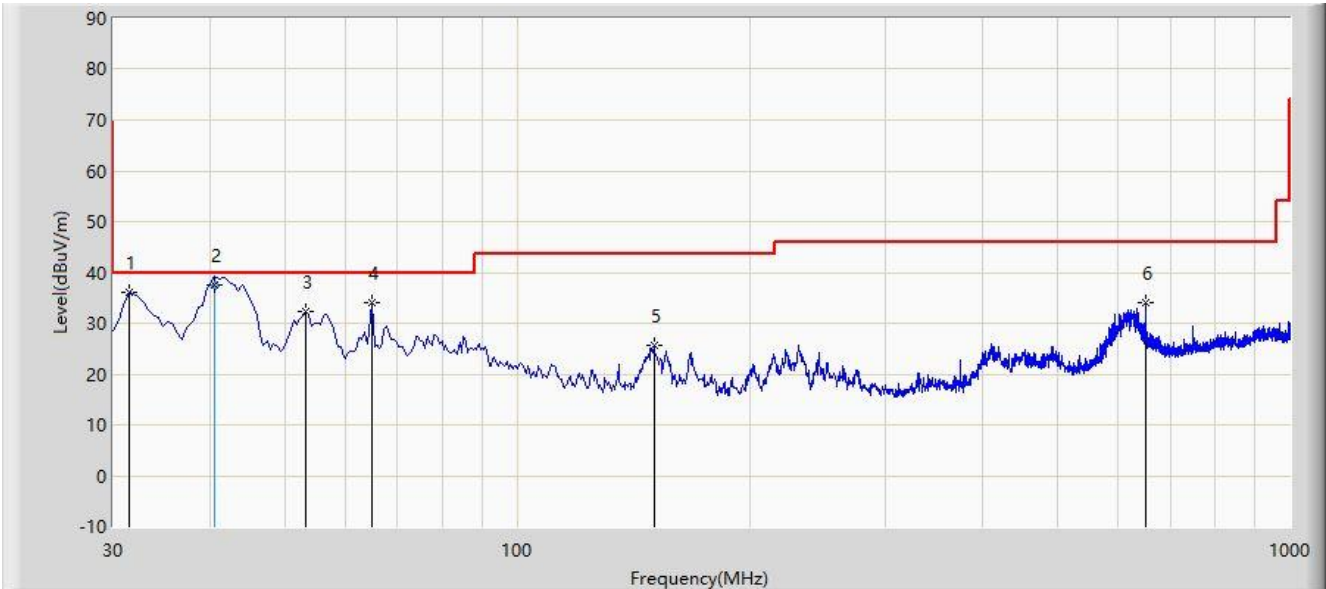
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: 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: NS-AC1	Time: 2021/07/17 - 10:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_VULB9162	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5785MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			31.455	36.186	22.049	-3.814	40.000	14.137	PK
2		*	40.670	37.642	21.200	-2.358	40.000	16.442	QP
3			53.280	32.208	14.886	-7.792	40.000	17.322	PK
4			64.920	33.975	19.314	-6.025	40.000	14.661	PK
5			150.280	25.659	13.975	-17.841	43.500	11.684	PK
6			650.315	34.130	10.215	-11.870	46.000	23.915	PK

Note 1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

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

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: 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.

**Verified Data**

Product	5G NR/LTE Router	Test Engineer	Tommy Tang
Test Site	WZ-AC1	Test Date	2021/08/27
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
	7434.5	39.2	9.5	48.7	74.0	-25.3	Peak	Horizontal
*	8811.5	35.7	11.0	46.7	68.2	-21.5	Peak	Horizontal
*	9738.0	36.5	13.8	50.3	68.2	-17.9	Peak	Horizontal
	15688.0	37.5	13.5	51.0	74.0	-23.0	Peak	Horizontal
	7477.0	39.2	9.4	48.6	74.0	-25.4	Peak	Vertical
*	8735.0	36.6	10.9	47.5	68.2	-20.7	Peak	Vertical
*	10137.5	36.9	13.6	50.5	68.2	-17.7	Peak	Vertical
	15713.5	37.5	13.3	50.8	74.0	-23.2	Peak	Vertical

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

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Product	5G NR/LTE Router	Test Engineer	Tommy Tang
Test Site	WZ-AC1	Test Date	2021/08/27
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
	7477.0	37.2	9.4	46.6	74.0	-27.4	Peak	Horizontal
*	8752.0	36.6	11.1	47.7	68.2	-20.5	Peak	Horizontal
*	10528.5	37.0	14.4	51.4	68.2	-16.8	Peak	Horizontal
	15518.0	39.1	14.0	53.1	74.0	-20.9	Peak	Horizontal
	7553.5	37.4	9.2	46.6	74.0	-27.4	Peak	Vertical
*	8650.0	37.4	10.9	48.3	68.2	-19.9	Peak	Vertical
*	9916.5	36.5	13.9	50.4	68.2	-17.8	Peak	Vertical
	15560.5	37.0	13.9	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	5G NR/LTE Router	Test Engineer	Tommy Tang
Test Site	WZ-AC1	Test Date	2021/08/27
Test Mode	802.11ax-HE80	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
	7477.0	38.7	9.4	48.1	74.0	-25.9	Peak	Horizontal
*	8684.0	38.0	10.9	48.9	68.2	-19.3	Peak	Horizontal
*	10265.0	35.6	13.7	49.3	68.2	-18.9	Peak	Horizontal
	15501.0	36.5	14.5	51.0	74.0	-23.0	Peak	Horizontal
	8267.5	37.7	9.8	47.5	74.0	-26.5	Peak	Vertical
*	8769.0	36.8	11.1	47.9	68.2	-20.3	Peak	Vertical
*	10469.0	37.8	14.6	52.4	68.2	-15.8	Peak	Vertical
	15866.5	37.5	13.1	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)



## 5.8. Radiated Restricted Band Edge Measurement

### 5.8.1. Test Limit

#### **For 15.205 Requirement:**

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

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
<sup>1</sup> 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	( <sup>2</sup> )
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 ( $\mu\text{V}/\text{m}$ )	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

### 5.8.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

### **5.8.3. Test Setting**

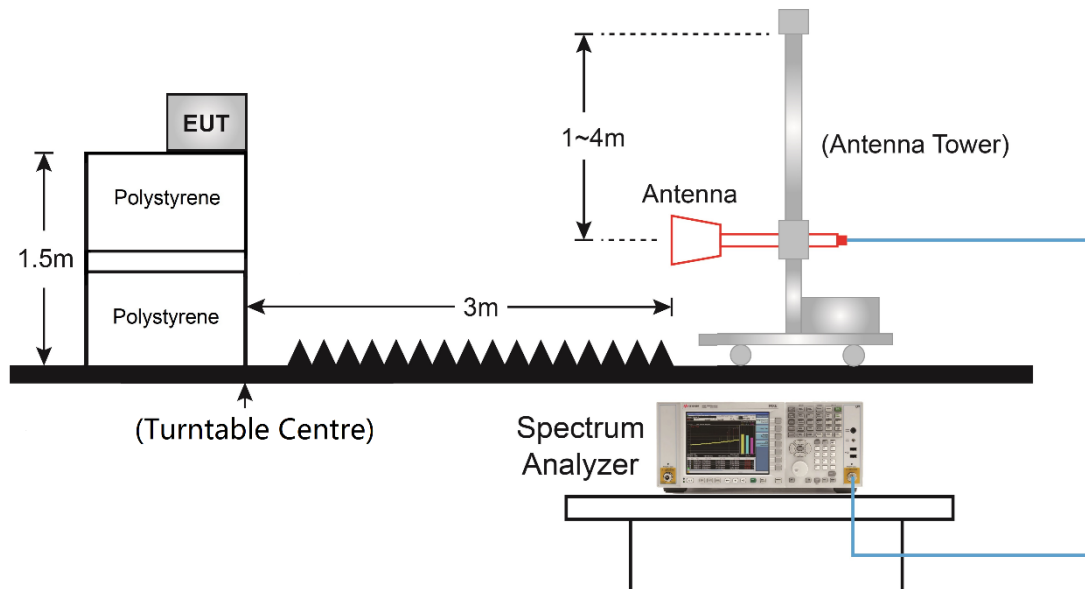
#### **Peak Measurements above 1GHz**

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

#### **Average Measurements above 1GHz (Method VB)**

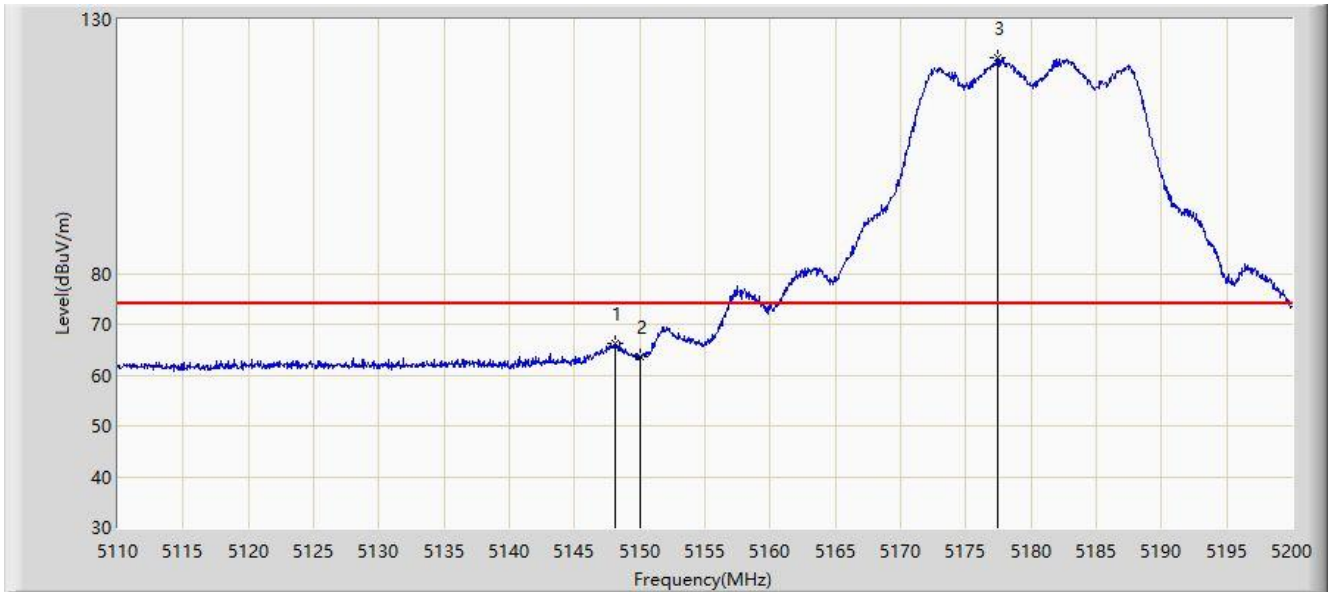
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW = 10Hz
4. If the EUT duty cycle is  $< 98\%$ , set VBW  $\geq 1/T$ . T is the minimum transmission duration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

### 5.8.4. Test Setup



### 5.8.5. Test Result

Site: NS-AC1	Time: 2021/07/17 - 16:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	

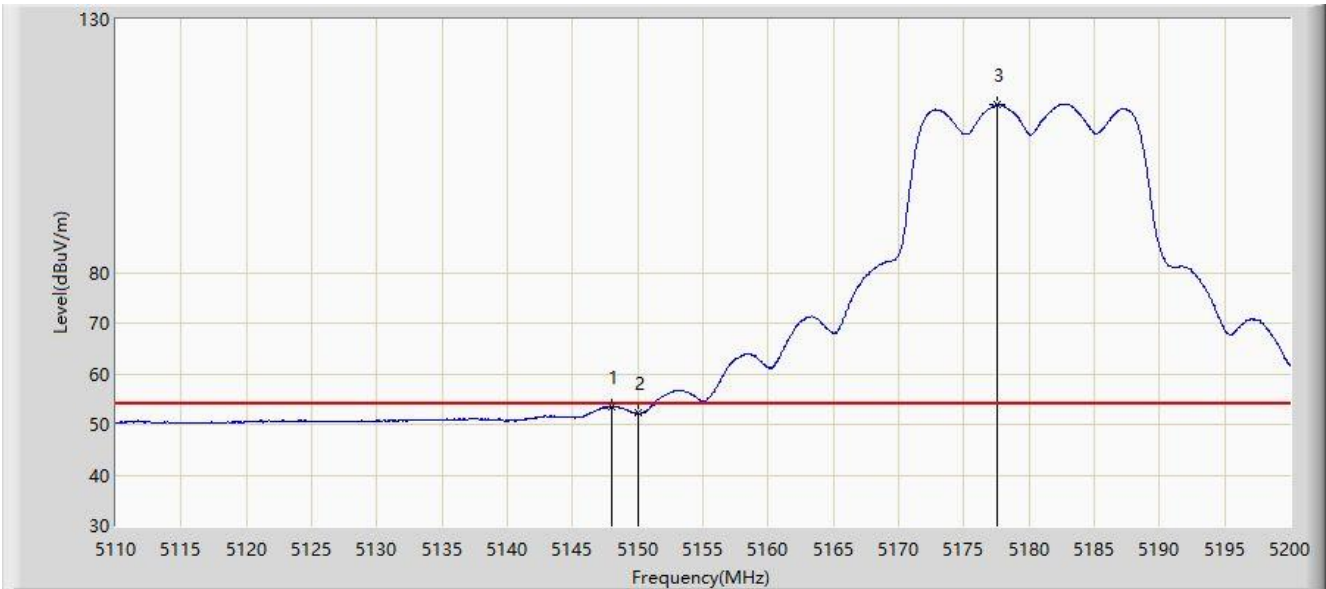


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5148.070	66.196	62.325	-7.804	74.000	3.872	PK
2			5150.000	63.650	59.785	-10.350	74.000	3.865	PK
3		*	5177.455	122.559	118.946	N/A	N/A	3.613	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/07/17 - 16:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	

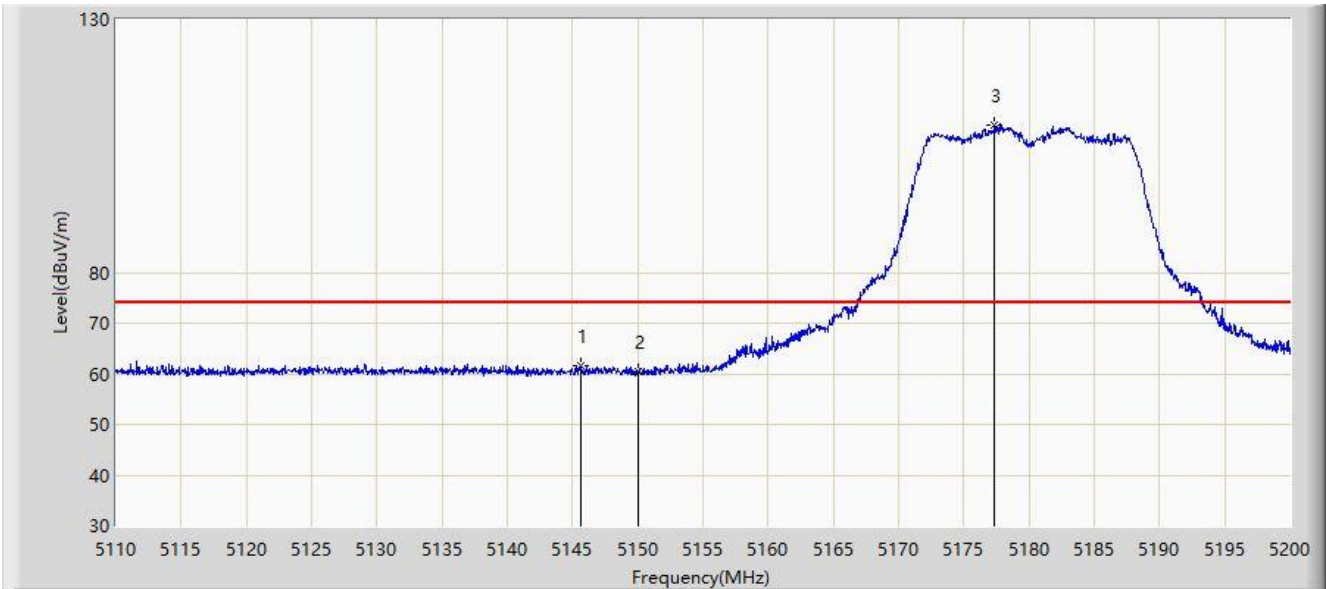


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5147.980	53.493	49.621	-0.507	54.000	3.872	AV
2			5150.000	52.331	48.466	-1.669	54.000	3.865	AV
3	X	*	5177.545	113.106	109.494	N/A	N/A	3.612	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/07/17 - 16:22
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			5145.685	61.640	57.759	-12.360	74.000	3.880	PK
2			5150.000	60.475	56.610	-13.525	74.000	3.865	PK
3		*	5177.365	109.130	105.515	N/A	N/A	3.615	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/07/17 - 16:25
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz	



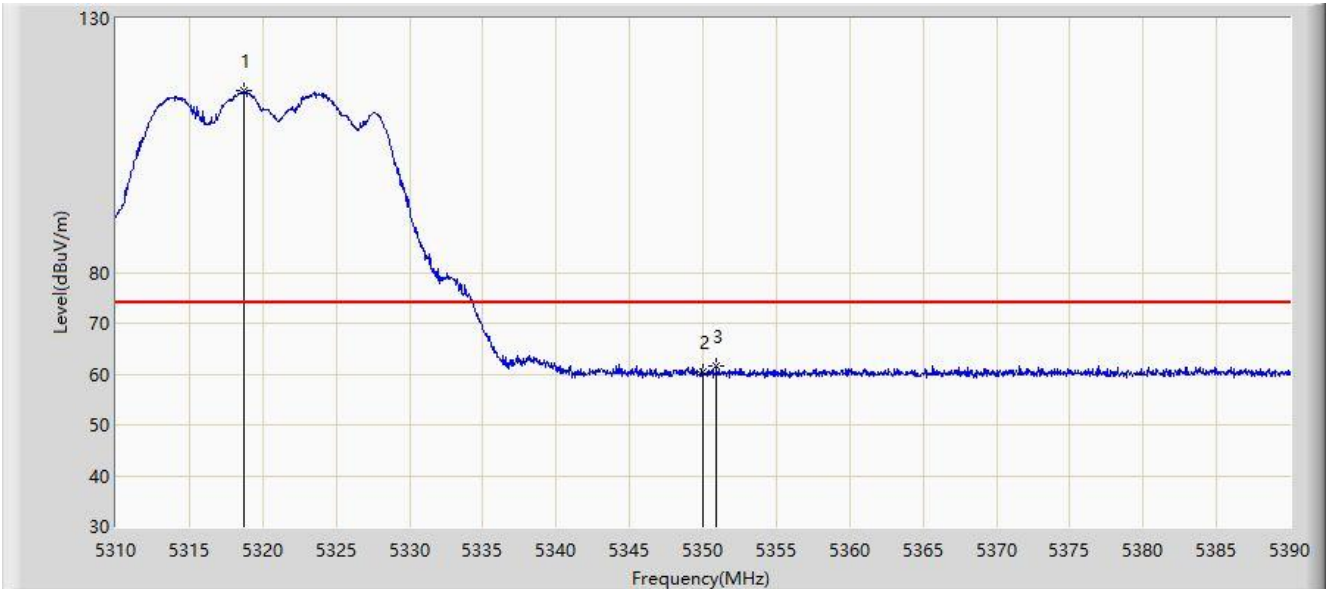
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5146.900	49.558	45.682	-4.442	54.000	3.877	AV
2			5150.000	49.419	45.554	-4.581	54.000	3.865	AV
3		*	5177.455	99.761	96.148	N/A	N/A	3.613	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).



Site: NS-AC1	Time: 2021/08/07 - 10:59
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

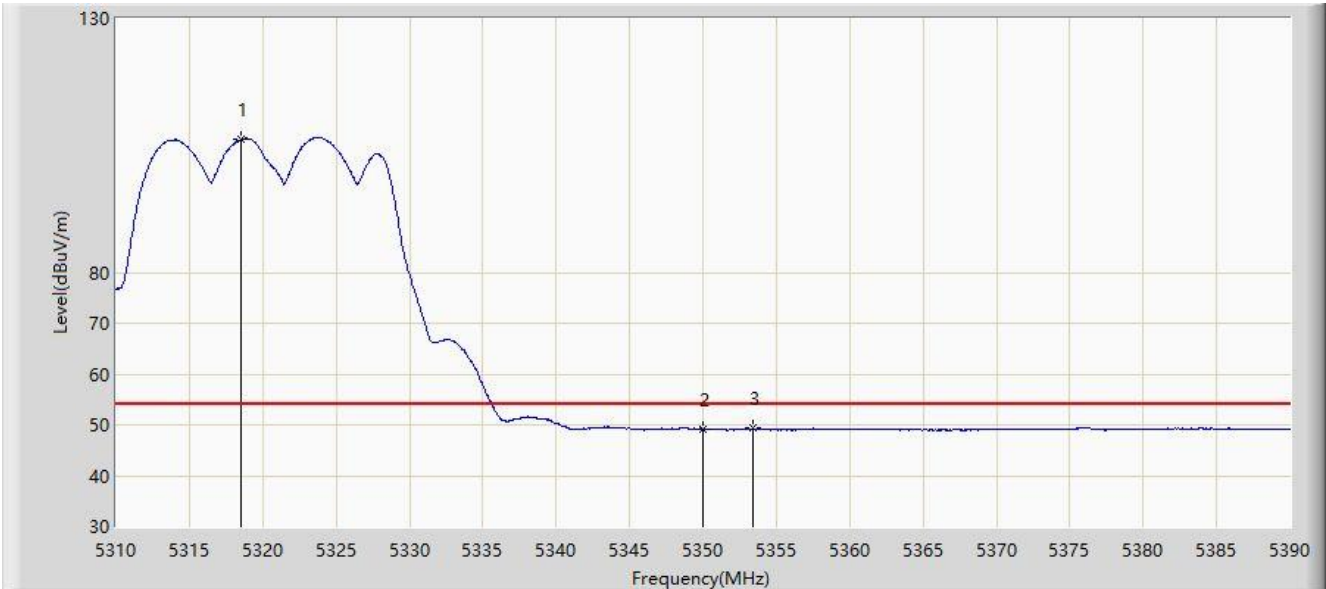


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5318.760	115.714	112.453	N/A	N/A	3.260	PK
2			5350.000	60.564	57.289	-13.436	74.000	3.274	PK
3			5350.920	61.504	58.223	-12.496	74.000	3.281	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:03
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

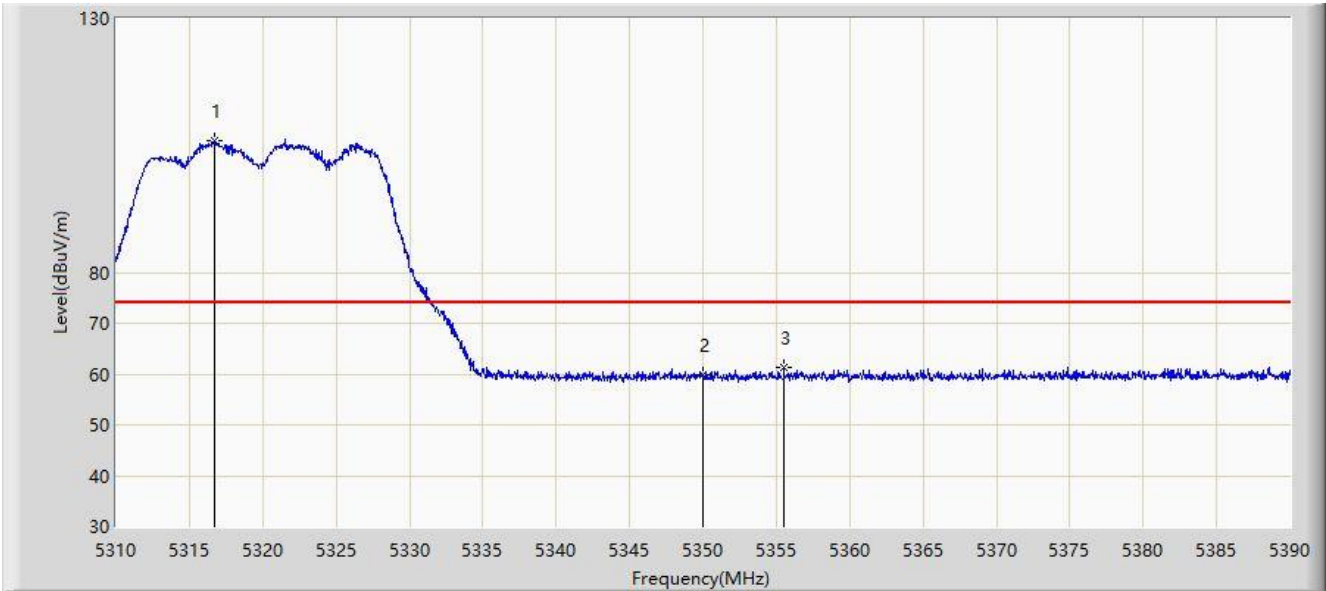


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5318.520	106.252	102.990	N/A	N/A	3.263	AV
2			5350.000	49.193	45.918	-4.807	54.000	3.274	AV
3			5353.360	49.303	46.020	-4.697	54.000	3.283	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:05
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

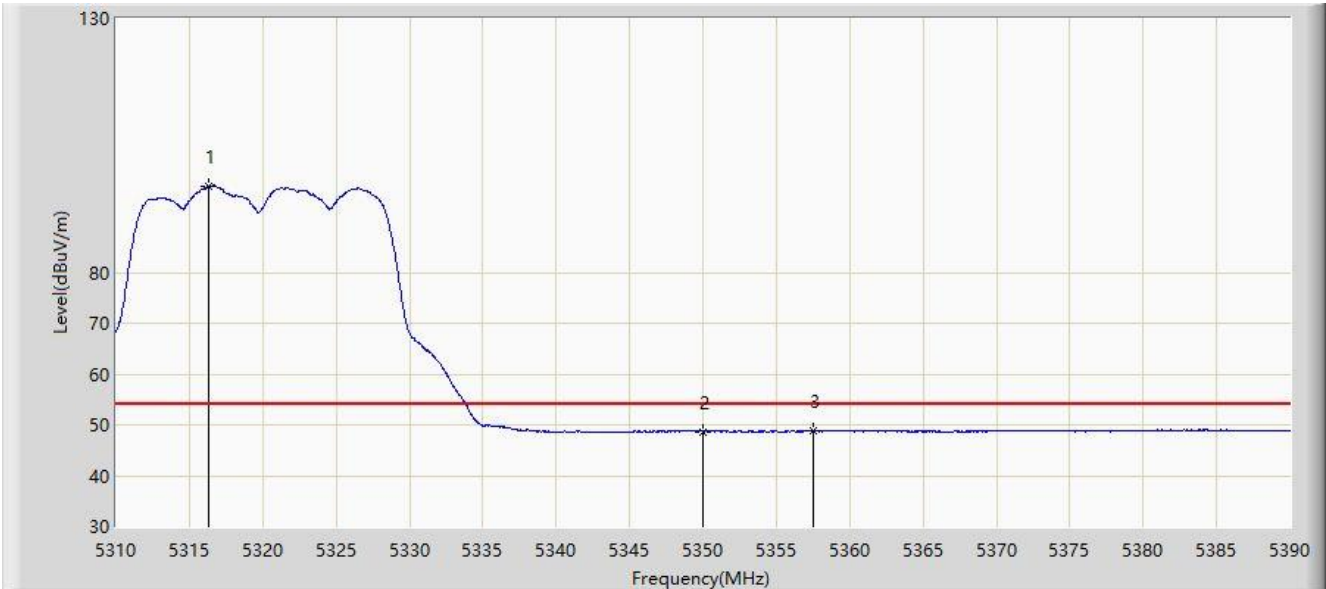


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5316.720	105.937	102.679	N/A	N/A	3.258	PK
2			5350.000	59.775	56.500	-14.225	74.000	3.274	PK
3			5355.520	61.265	57.988	-12.735	74.000	3.277	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:07
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5320MHz	

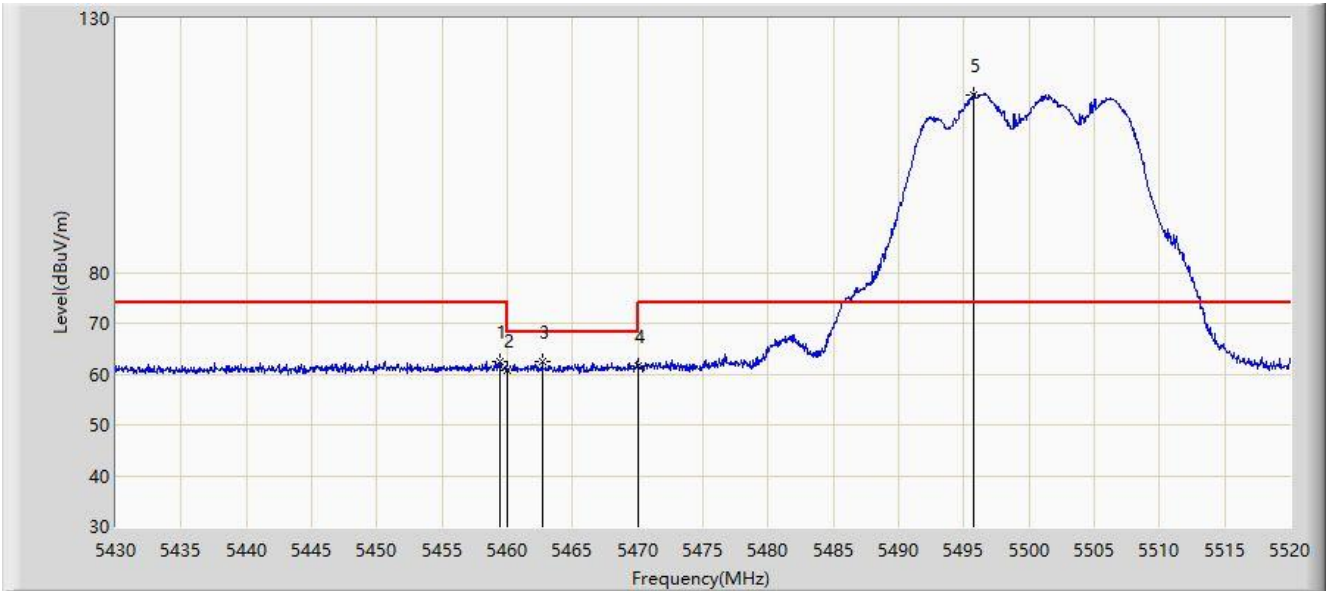


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5316.320	96.994	93.738	N/A	N/A	3.256	AV
2			5350.000	48.680	45.405	-5.320	54.000	3.274	AV
3			5357.480	48.832	45.561	-5.168	54.000	3.272	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:09
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

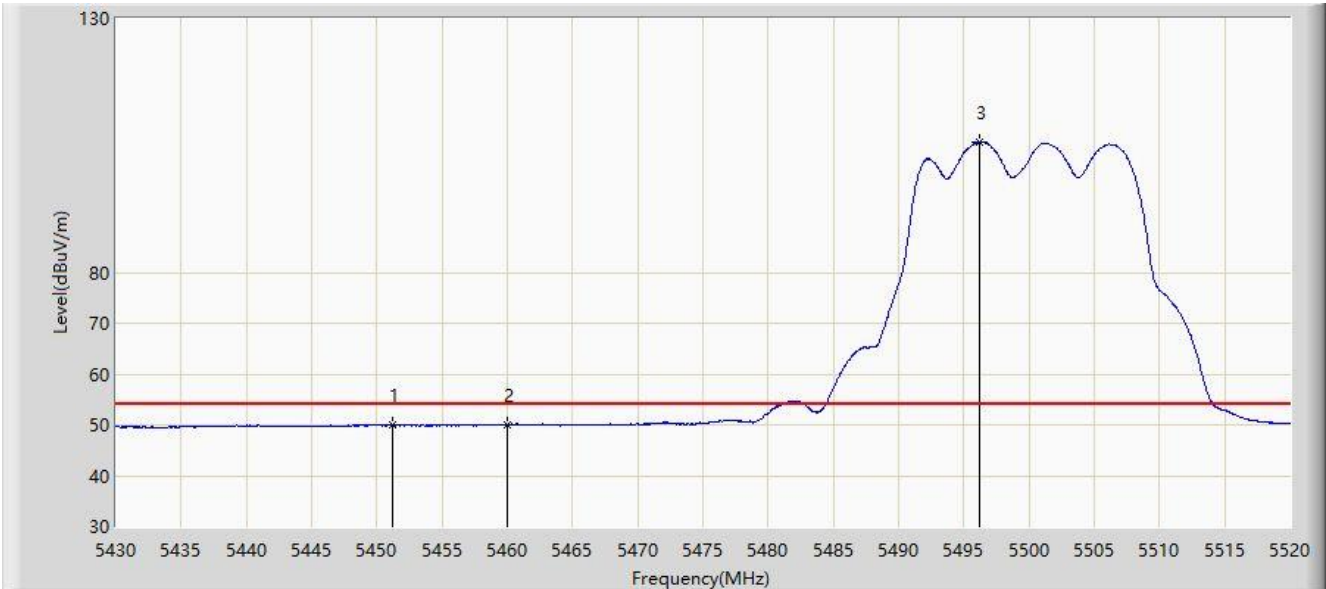


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5459.385	62.557	58.619	-11.443	74.000	3.939	PK
2			5460.000	60.757	56.820	-13.243	74.000	3.937	PK
3			5462.715	62.434	58.503	-5.766	68.200	3.930	PK
4			5470.000	61.554	57.640	-6.646	68.200	3.914	PK
5		*	5495.745	114.978	111.071	N/A	N/A	3.907	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

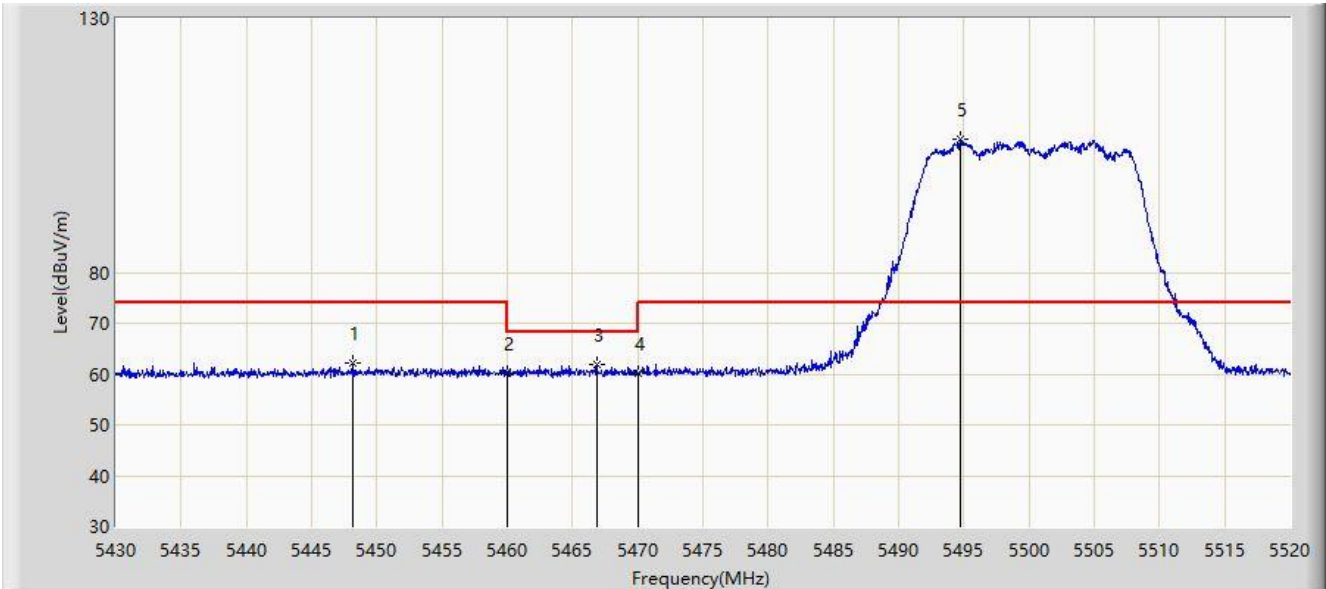


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5451.150	50.050	46.138	-3.950	54.000	3.912	AV
2			5460.000	50.020	46.083	-3.980	54.000	3.937	AV
3		*	5496.240	105.650	101.741	N/A	N/A	3.909	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	

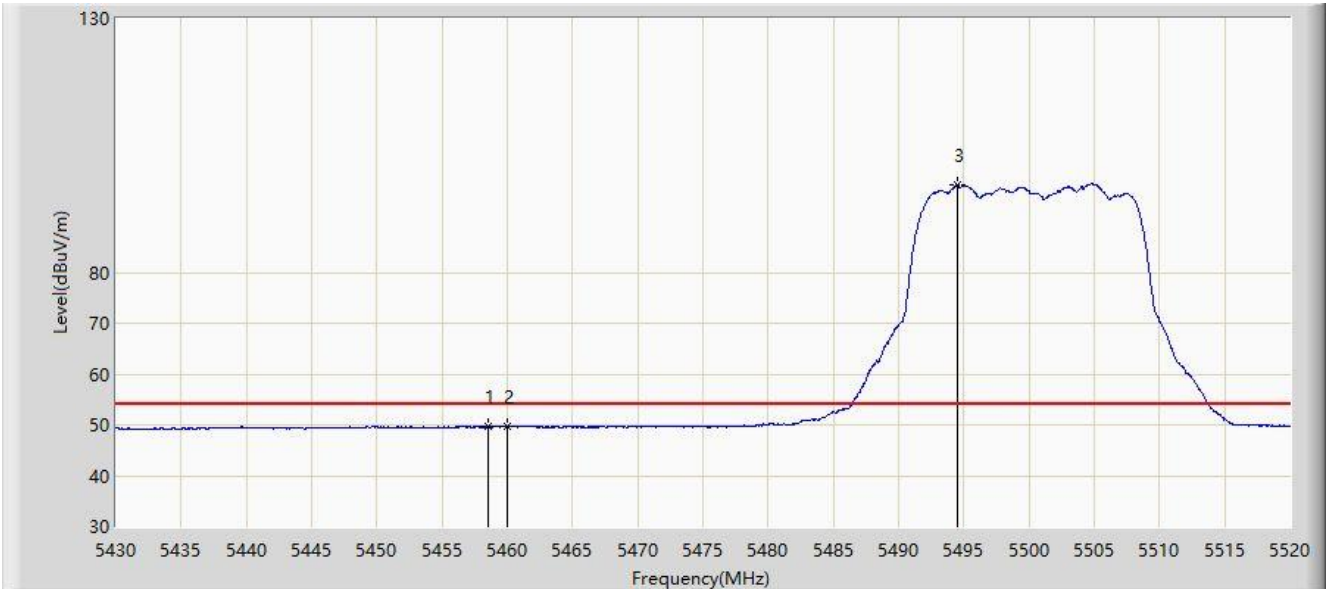


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5448.180	62.034	58.163	-11.966	74.000	3.871	PK
2			5460.000	60.132	56.195	-13.868	74.000	3.937	PK
3			5466.855	62.012	58.091	-6.188	68.200	3.922	PK
4			5470.000	60.182	56.268	-8.018	68.200	3.914	PK
5		*	5494.710	106.134	102.230	N/A	N/A	3.904	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:15
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5500MHz	



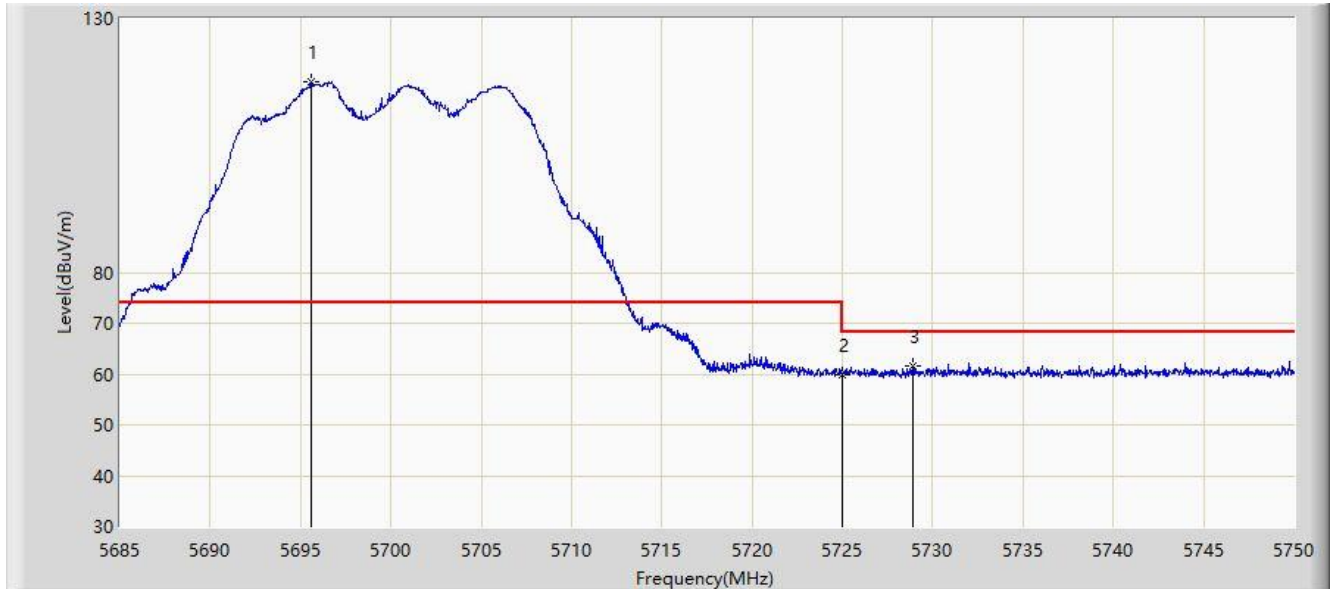
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			5458.530	49.727	45.787	-4.273	54.000	3.940	AV
2			5460.000	49.617	45.680	-4.383	54.000	3.937	AV
3		*	5494.485	97.265	93.362	N/A	N/A	3.903	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).



Site: NS-AC1	Time: 2021/08/07 - 11:18
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	

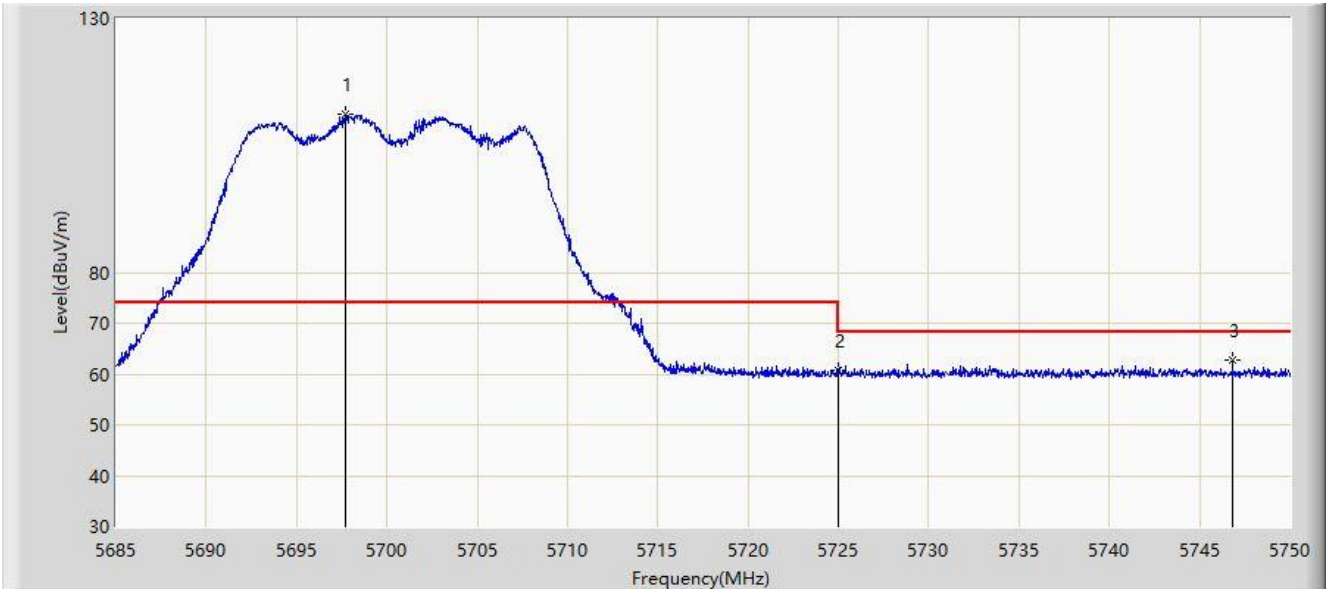


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		*	5695.627	117.439	113.088	N/A	N/A	4.352	PK
2			5725.000	59.942	55.818	-8.258	68.200	4.124	PK
3			5728.940	61.660	57.526	-6.540	68.200	4.134	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:19
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5700MHz	

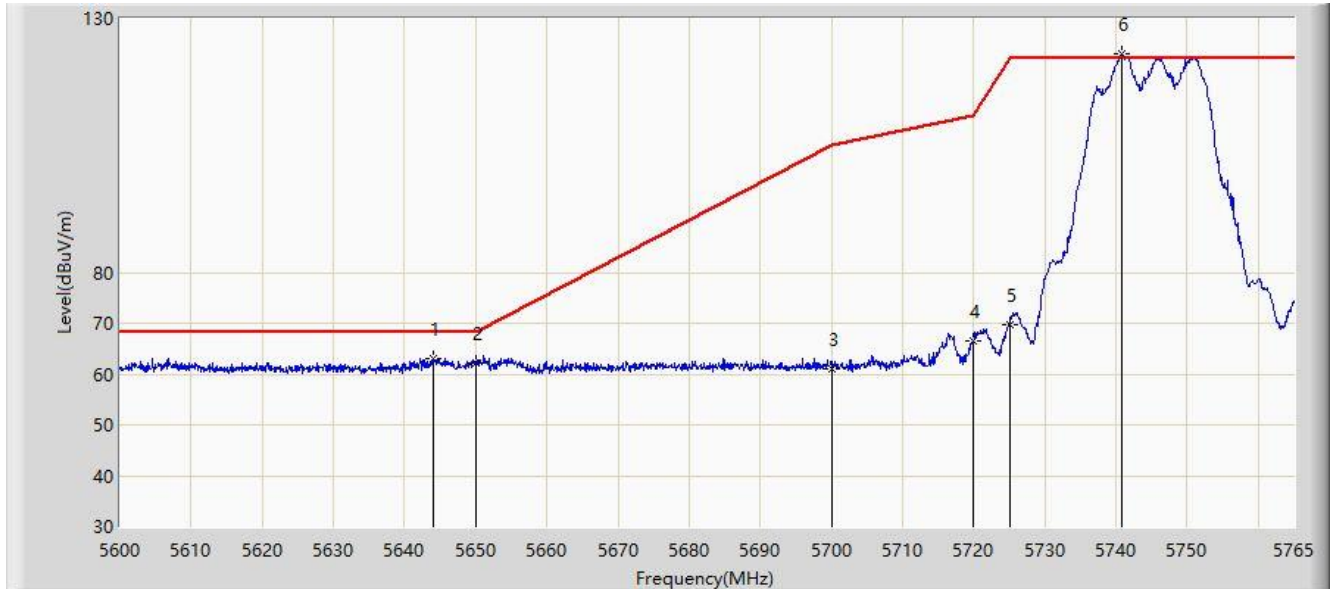


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	5697.675	111.121	106.787	N/A	N/A	4.333	PK
2			5725.000	60.622	56.498	-7.578	68.200	4.124	PK
3			5746.815	62.830	58.566	-5.370	68.200	4.264	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:22
Limit: FCC_Part 15.407_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz	

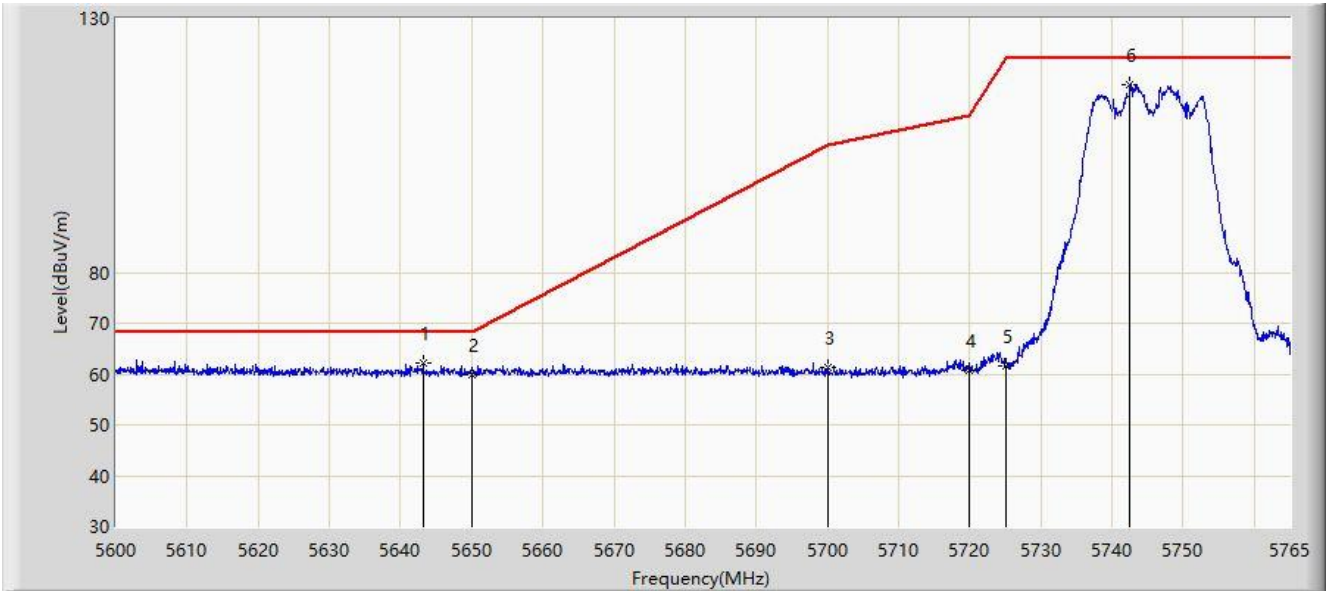


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5643.973	63.094	58.973	-5.106	68.200	4.121	PK
2			5650.000	62.313	58.162	-5.887	68.200	4.151	PK
3			5700.000	61.127	56.814	-44.073	105.200	4.312	PK
4			5720.000	66.483	62.325	-44.317	110.800	4.158	PK
5			5725.000	69.732	65.608	-52.468	122.200	4.124	PK
6		*	5740.910	122.912	118.708	N/A	N/A	4.204	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:25
Limit: FCC_Part 15.407_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz	

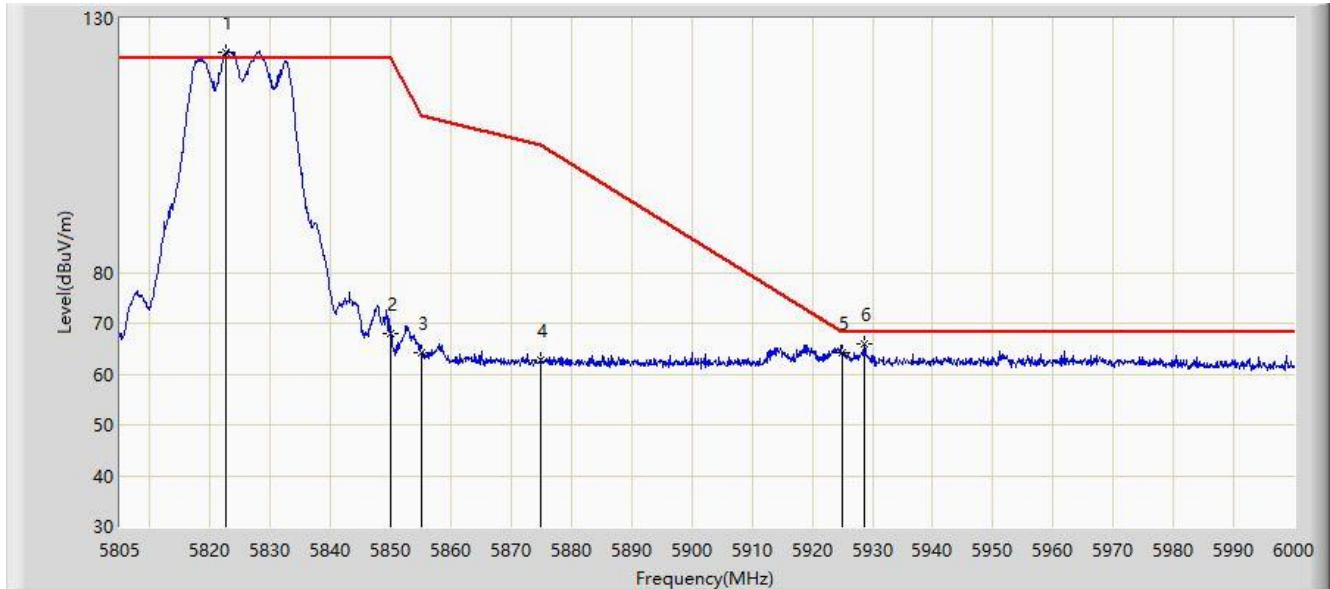


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5643.147	62.095	57.978	-6.105	68.200	4.117	PK
2			5650.000	59.792	55.641	-8.408	68.200	4.151	PK
3			5700.000	61.400	57.087	-43.800	105.200	4.312	PK
4			5720.000	60.585	56.427	-50.215	110.800	4.158	PK
5			5725.000	61.735	57.611	-60.465	122.200	4.124	PK
6		*	5742.478	116.820	112.607	N/A	N/A	4.213	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Site: NS-AC1	Time: 2021/08/07 - 11:28
Limit: FCC_Part 15.407_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: 5G NR/LTE Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5822.647	123.369	119.012	N/A	N/A	4.356	PK
2			5850.000	67.893	63.240	-54.307	122.200	4.653	PK
3			5855.000	64.278	59.594	-46.522	110.800	4.684	PK
4			5875.000	62.894	58.195	-42.306	105.200	4.700	PK
5			5925.000	64.085	59.129	-4.115	68.200	4.956	PK
6			5928.533	65.865	60.886	-2.335	68.200	4.979	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).