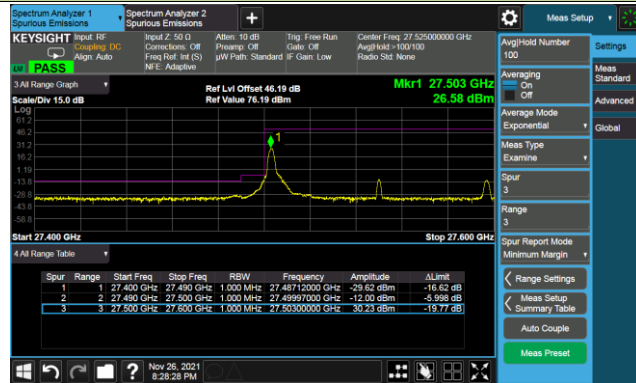
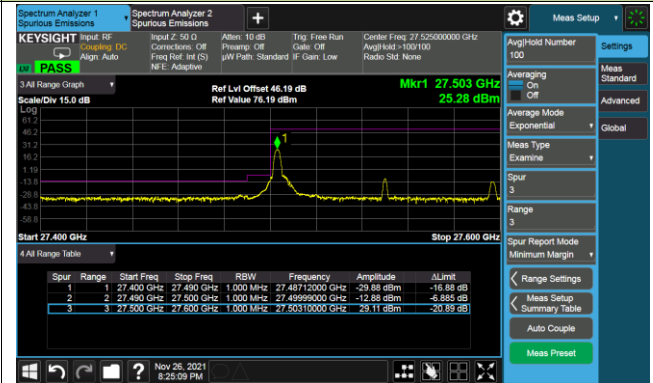


### Out-of-Band Emission at the Band Edge (CP-OFDM)

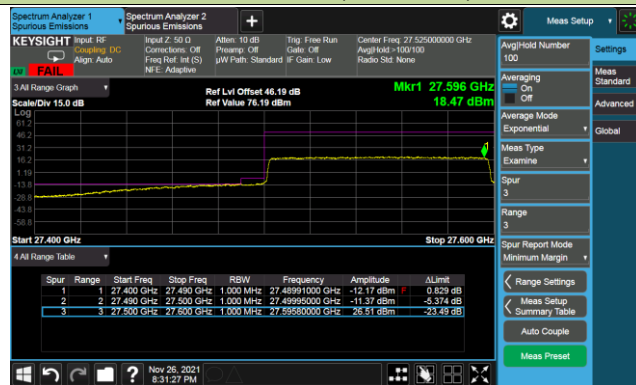
**Low Channel\_1RB (Horizontal) - QPSK**



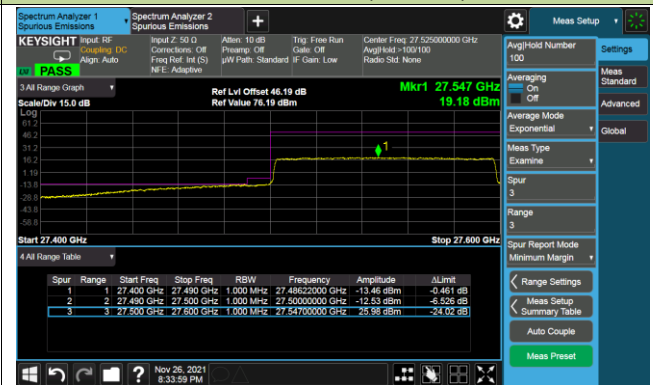
**Low Channel\_1RB (Vertical) - QPSK**



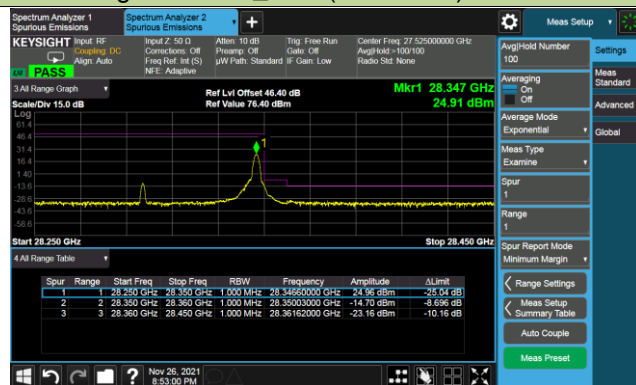
**Low Channel\_Full RB (Horizontal) - QPSK\***



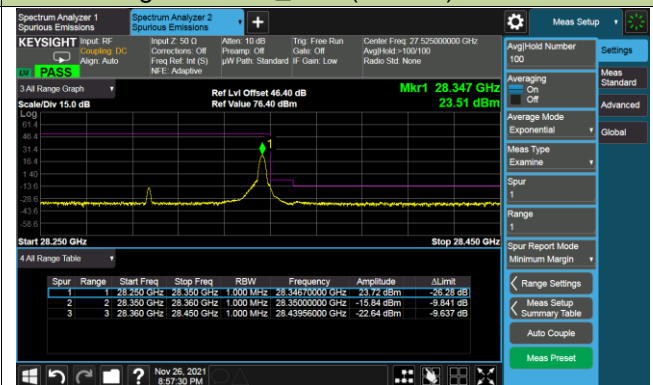
**Low Channel\_Full RB (Vertical) - QPSK**



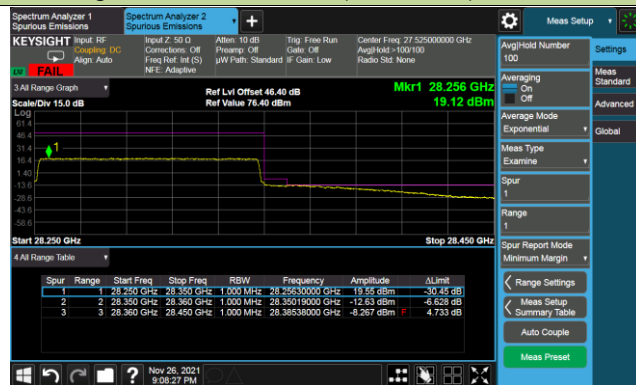
**High Channel\_1RB (Horizontal) - QPSK**



**High Channel\_1RB (Vertical) - QPSK**



**High Channel\_Full RB (Horizontal) - QPSK\***



**High Channel\_Full RB (Vertical) - QPSK\***



Note: “\*” means that the failure frequencies evaluated by TRP measurement.

## 4.6. Radiated Spurious Emissions Measurements

### 4.6.1. Test Limit

All out of band emissions are measured in a radiated test setup while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All modulations were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The conductive power or total radiated power of any emissions outside a licensee's frequency block shall be -13dBm/1MHz.

### 4.6.2. Test Procedure Used

ANSI C63.26-2015 - Section 5.7.4

KDB 842590 D01v01r02 Section 4.4.2 and Section 4.4.3

### 4.6.3. Test Setting

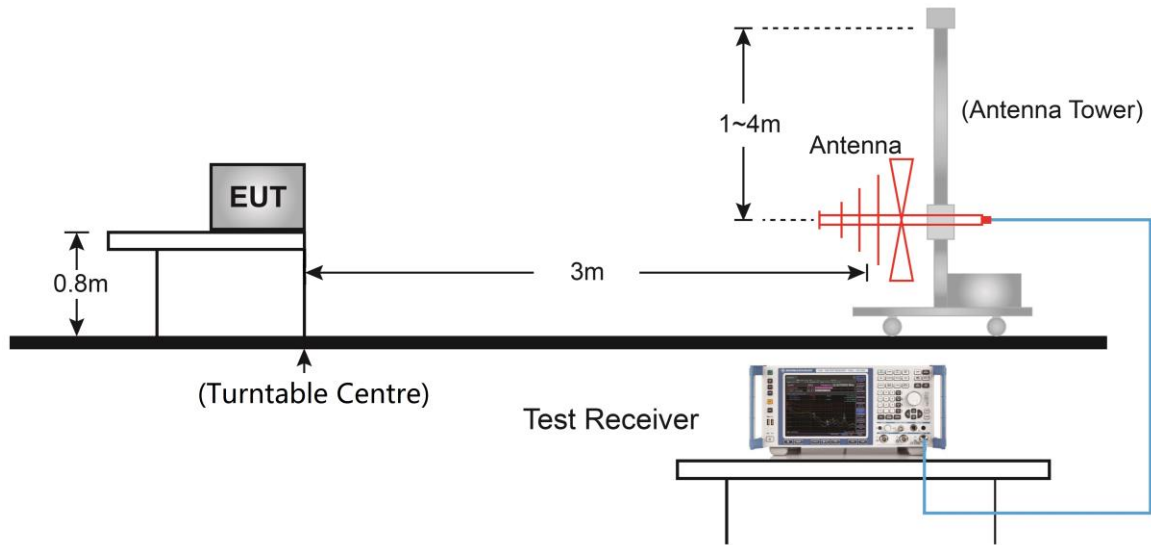
8. RBW = 1MHz
9. VBW  $\geq$  3\*RBW
10. Sweep time  $\geq$  10  $\times$  (number of points in sweep)  $\times$  (transmission symbol period)
11. Detector = RMS
12. Trace mode = Trace Average
13. The trace was allowed to stabilize

#### Test Notices

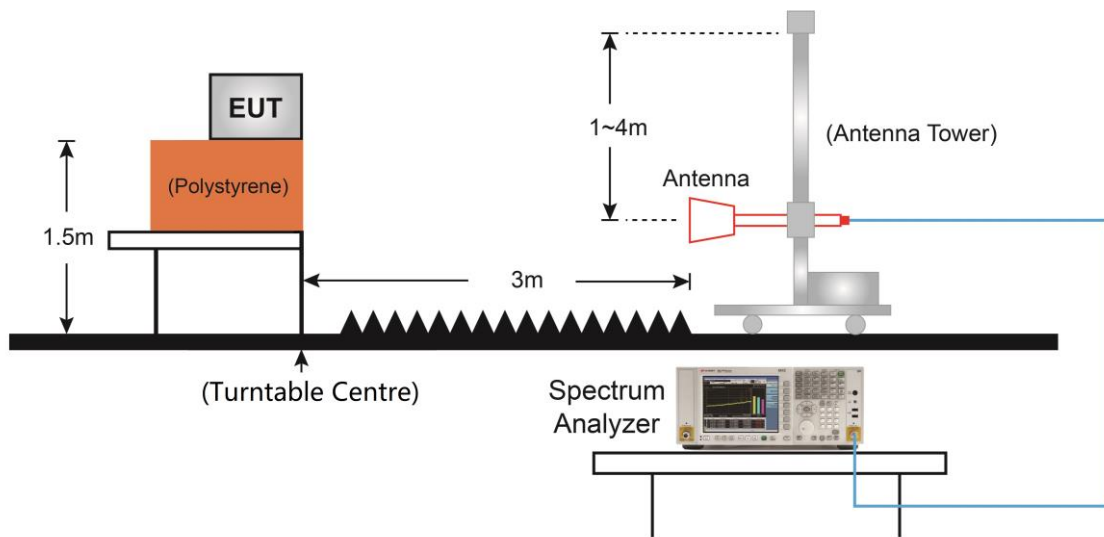
- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) All radiated spurious emissions were measured as EIRP to compare with the §30.203 TRP limits.
- 3) Elements within the same antenna array are correlated to produce beamforming array gain. Antenna arrays cannot be correlated with another antenna array. During testing, only one antenna array was active.
- 4) The plots from 1-200GHz show corrected average EIRP levels. Plots below 1GHz are corrected field strength levels. All appropriate Antenna Factor and Cable Loss have been applied in the spectrum analyzer for each measurement. For measurements > 40GHz, Harmonic Mixer Conversion Loss was also applied to the spectrum analyzer.

**4.6.4. Test Setup**

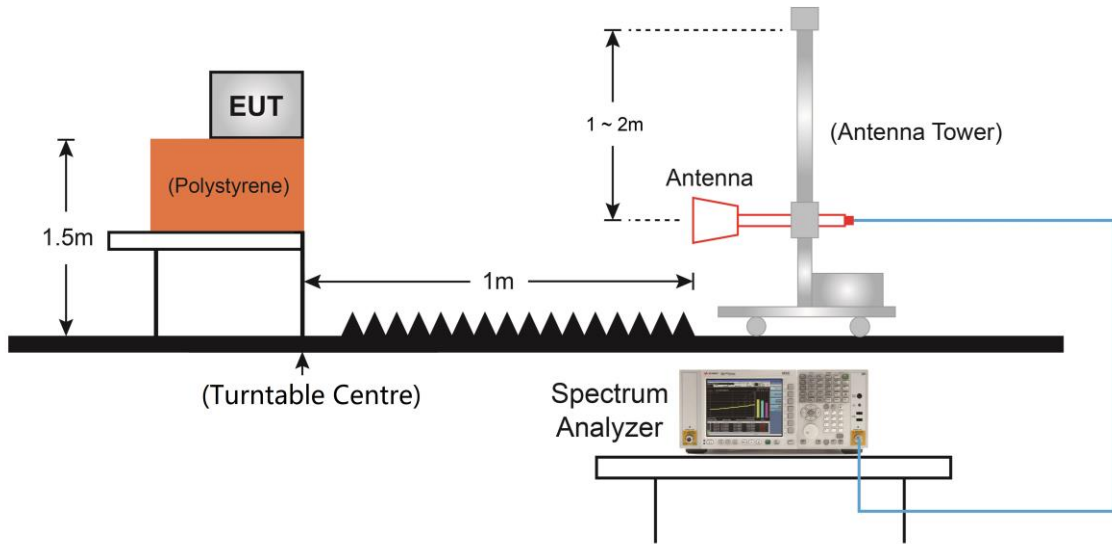
30MHz ~ 1GHz Test Setup:



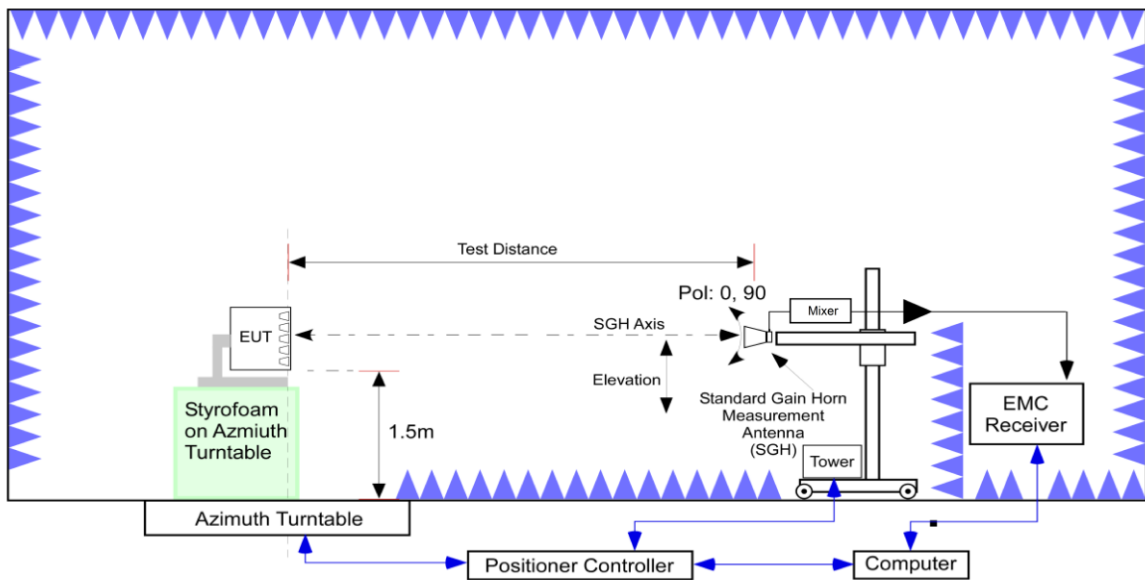
1GHz ~ 18GHz Test Setup:



18GHz ~ 40GHz Test Setup:



40GHz ~ 100GHz Test Setup:



**4.6.5.Test Result**

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/09 ~ 2021/12/02
Test Mode	n261_SISO Mode_Beam ID 63_50MHz_1 RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
119.7	30.2	16.6	46.8	82.2	-35.4	Peak	Horizontal
239.5	35.3	17.0	52.3	82.2	-29.9	Peak	Horizontal
119.7	30.7	16.6	47.3	82.2	-34.9	Peak	Vertical
241.5	27.1	17.1	44.2	82.2	-38.0	Peak	Vertical
7443.0	63.1	2.4	65.5	82.2	-16.7	Peak	Horizontal
11463.5	61.2	8.5	69.7	82.2	-12.5	Peak	Horizontal
7383.5	62.9	1.9	64.8	82.2	-17.4	Peak	Vertical
10775.0	62.7	7.5	70.2	82.2	-12.0	Peak	Vertical
36337.0	18.4	48.6	67.0	91.8	-24.8	Average	Horizontal
39318.0	19.7	49.8	69.5	91.8	-22.3	Average	Horizontal
38361.0	20.0	48.4	68.4	91.8	-23.4	Average	Vertical
39197.0	18.9	50.6	69.5	91.8	-22.3	Average	Vertical
<b>Middle Channel</b>							
119.7	30.1	16.6	46.7	82.2	-35.5	Peak	Horizontal
240.0	29.1	17.1	46.2	82.2	-36.0	Peak	Horizontal
119.7	30.1	16.6	46.7	82.2	-35.5	Peak	Vertical
241.5	27.5	17.1	44.6	82.2	-37.6	Peak	Vertical
7961.5	63.3	2.1	65.4	82.2	-16.8	Peak	Horizontal
11259.5	62.3	7.8	70.1	82.2	-12.1	Peak	Horizontal
6380.5	64.4	-2.2	62.2	82.2	-20.0	Peak	Vertical
11497.5	60.3	8.8	69.1	82.2	-13.1	Peak	Vertical
37140.0	20.2	48.4	68.6	91.8	-23.2	Average	Horizontal
39186.0	21.7	50.8	72.5	91.8	-19.3	Average	Horizontal
36854.0	21.6	48.1	69.7	91.8	-22.1	Average	Vertical
39186.0	19.9	50.8	70.7	91.8	-21.1	Average	Vertical

High Channel							
119.7	29.0	16.6	45.6	82.2	-36.6	Peak	Horizontal
238.6	29.3	17.0	46.3	82.2	-35.9	Peak	Horizontal
119.7	29.2	16.6	45.8	82.2	-36.4	Peak	Vertical
241.5	27.1	17.1	44.2	82.2	-38.0	Peak	Vertical
8114.5	62.4	3.0	65.4	82.2	-16.8	Peak	Horizontal
10868.5	62.6	7.6	70.2	82.2	-12.0	Peak	Horizontal
7315.5	63.8	1.7	65.5	82.2	-16.7	Peak	Vertical
10775.0	62.6	7.5	70.1	82.2	-12.1	Peak	Vertical
35534.0	21.1	48.3	69.4	91.8	-22.4	Average	Horizontal
39219.0	20.9	50.4	71.3	91.8	-20.5	Average	Horizontal
38372.0	21.4	48.5	69.9	91.8	-21.9	Average	Vertical
39219.0	20.9	50.4	71.3	91.8	-20.5	Average	Vertical

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

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/09 ~ 2021/12/02
Test Mode	n261_SISO Mode_Beam ID 63_50MHz_Full RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
119.7	29.7	16.6	46.3	82.2	-35.9	Peak	Horizontal
239.0	28.9	17.0	45.9	82.2	-36.3	Peak	Horizontal
119.7	30.8	16.6	47.4	82.2	-34.8	Peak	Vertical
241.5	27.2	17.1	44.3	82.2	-37.9	Peak	Vertical
6907.5	64.7	0.1	64.8	82.2	-17.4	Peak	Horizontal
11421.0	61.1	8.4	69.5	82.2	-12.7	Peak	Horizontal
6899.0	62.5	0.0	62.5	82.2	-19.7	Peak	Vertical
10987.5	61.6	7.5	69.1	82.2	-13.1	Peak	Vertical
36095.0	20.5	48.4	68.9	91.8	-22.9	Average	Horizontal
39263.0	20.4	50.2	70.6	91.8	-21.2	Average	Horizontal
38383.0	21.0	48.7	69.7	91.8	-22.1	Average	Vertical
39186.0	21.2	50.8	72.0	91.8	-19.8	Average	Vertical
<b>Middle Channel</b>							
119.7	29.8	16.6	46.4	82.2	-35.8	Peak	Horizontal
238.6	28.8	17.0	45.8	82.2	-36.4	Peak	Horizontal
119.7	29.7	16.6	46.3	82.2	-35.9	Peak	Vertical
241.5	26.6	17.1	43.7	82.2	-38.5	Peak	Vertical
9593.5	62.6	5.3	67.9	82.2	-14.3	Peak	Horizontal
11463.5	61.5	8.5	70.0	82.2	-12.2	Peak	Horizontal
7502.5	64.3	2.0	66.3	82.2	-15.9	Peak	Vertical
10809.0	62.4	7.1	69.5	82.2	-12.7	Peak	Vertical
37415.0	20.3	48.0	68.3	91.8	-23.5	Average	Horizontal
39175.0	21.5	50.6	72.1	91.8	-19.7	Average	Horizontal
36293.0	20.2	48.8	69.0	91.8	-22.8	Average	Vertical
39241.0	20.2	50.3	70.5	91.8	-21.3	Average	Vertical

High Channel							
119.7	29.3	16.6	45.9	82.2	-36.3	Peak	Horizontal
239.0	28.9	17.0	45.9	82.2	-36.3	Peak	Horizontal
119.7	29.6	16.6	46.2	82.2	-36.0	Peak	Vertical
241.9	27.2	17.2	44.4	82.2	-37.8	Peak	Vertical
8114.5	62.4	3.0	65.4	82.2	-16.8	Peak	Horizontal
10868.5	62.6	7.6	70.2	82.2	-12.0	Peak	Horizontal
7315.5	63.8	1.7	65.5	82.2	-16.7	Peak	Vertical
10775.0	62.6	7.5	70.1	82.2	-12.1	Peak	Vertical
35534.0	21.1	48.3	69.4	91.8	-22.4	Average	Horizontal
39219.0	20.9	50.4	71.3	91.8	-20.5	Average	Horizontal
38372.0	21.4	48.5	69.9	91.8	-21.9	Average	Vertical
39219.0	20.9	50.4	71.3	91.8	-20.5	Average	Vertical

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



Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/09 ~ 2021/12/02
Test Mode	n261_SISO Mode_Beam ID 63_100MHz_1 RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
119.7	28.9	16.6	45.5	82.2	-36.7	Peak	Horizontal
240.0	28.9	17.1	46.0	82.2	-36.2	Peak	Horizontal
119.7	29.8	16.6	46.4	82.2	-35.8	Peak	Vertical
240.0	27.3	17.1	44.4	82.2	-37.8	Peak	Vertical
8803.0	62.9	4.1	67.0	82.2	-15.2	Peak	Horizontal
11514.5	61.9	8.7	70.6	82.2	-11.6	Peak	Horizontal
9780.5	62.1	5.9	68.0	82.2	-14.2	Peak	Vertical
14183.5	59.7	11.7	71.4	82.2	-10.8	Peak	Vertical
37349.0	21.3	47.5	68.8	91.8	-23.0	Average	Horizontal
39230.0	20.5	50.3	70.8	91.8	-21.0	Average	Horizontal
36326.0	20.2	48.8	69.0	91.8	-22.8	Average	Vertical
39208.0	21.8	50.4	72.2	91.8	-19.6	Average	Vertical
<b>Middle Channel</b>							
119.7	29.6	16.6	46.2	82.2	-36.0	Peak	Horizontal
239.0	28.7	17.0	45.7	82.2	-36.5	Peak	Horizontal
119.7	29.0	16.6	45.6	82.2	-36.6	Peak	Vertical
241.9	26.7	17.2	43.9	82.2	-38.3	Peak	Vertical
8599.0	63.2	3.2	66.4	82.2	-15.8	Peak	Horizontal
11514.5	61.0	8.7	69.7	82.2	-12.5	Peak	Horizontal
9372.5	62.5	5.5	68.0	82.2	-14.2	Peak	Vertical
11489.0	61.5	8.7	70.2	82.2	-12.0	Peak	Vertical
36304.0	20.0	49.0	69.0	91.8	-22.8	Average	Horizontal
39241.0	20.2	50.3	70.5	91.8	-21.3	Average	Horizontal
36337.0	20.3	48.6	68.9	91.8	-22.9	Average	Vertical
39175.0	20.1	50.6	70.7	91.8	-21.1	Average	Vertical

High Channel							
119.7	28.2	16.6	44.8	82.2	-37.4	Peak	Horizontal
240.5	28.7	17.1	45.8	82.2	-36.4	Peak	Horizontal
119.7	29.4	16.6	46.0	82.2	-36.2	Peak	Vertical
241.9	25.9	17.2	43.1	82.2	-39.1	Peak	Vertical
7468.5	62.4	2.4	64.8	82.2	-17.4	Peak	Horizontal
10936.5	62.4	7.4	69.8	82.2	-12.4	Peak	Horizontal
9355.5	62.3	5.6	67.9	82.2	-14.3	Peak	Vertical
11514.5	61.1	8.7	69.8	82.2	-12.4	Peak	Vertical
38361.0	22.0	48.4	70.4	91.8	-21.4	Average	Horizontal
38966.0	21.6	49.3	70.9	91.8	-20.9	Average	Horizontal
37360.0	20.4	48.4	68.8	91.8	-23.0	Average	Vertical
37360.0	20.4	48.4	68.8	91.8	-23.0	Average	Vertical

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

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/09 ~ 2021/12/02
Test Mode	n261_SISO Mode_Beam ID 63_100MHz_Full RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
119.7	29.5	16.6	46.1	82.2	-36.1	Peak	Horizontal
238.6	28.9	17.0	45.9	82.2	-36.3	Peak	Horizontal
119.7	29.4	16.6	46.0	82.2	-36.2	Peak	Vertical
240.0	27.1	17.1	44.2	82.2	-38.0	Peak	Vertical
7468.5	63.0	2.4	65.4	82.2	-16.8	Peak	Horizontal
10775.0	62.5	7.5	70.0	82.2	-12.2	Peak	Horizontal
10766.5	62.2	7.4	69.6	82.2	-12.6	Peak	Vertical
14132.5	60.5	11.5	72.0	82.2	-10.2	Peak	Vertical
38988.0	19.3	50.9	70.2	91.8	-21.6	Average	Horizontal
39527.0	20.6	49.8	70.4	91.8	-21.4	Average	Horizontal
38977.0	20.6	50.1	70.7	91.8	-21.1	Average	Vertical
39230.0	21.8	50.3	72.1	91.8	-19.7	Average	Vertical
<b>Middle Channel</b>							
119.7	29.0	16.6	45.6	82.2	-36.6	Peak	Horizontal
240.0	28.7	17.1	45.8	82.2	-36.4	Peak	Horizontal
119.7	29.4	16.6	46.0	82.2	-36.2	Peak	Vertical
242.9	26.4	17.2	43.6	82.2	-38.6	Peak	Vertical
9347.0	62.5	5.6	68.1	82.2	-14.1	Peak	Horizontal
11506.0	61.7	8.9	70.6	82.2	-11.6	Peak	Horizontal
7460.0	62.9	2.5	65.4	82.2	-16.8	Peak	Vertical
11378.5	62.5	8.0	70.5	82.2	-11.7	Peak	Vertical
39230.0	20.2	50.3	70.5	91.8	-21.3	Average	Horizontal
39593.0	19.9	50.0	69.9	91.8	-21.9	Average	Horizontal
37360.0	20.5	48.4	68.9	91.8	-22.9	Average	Vertical
38988.0	20.4	50.9	71.3	91.8	-20.5	Average	Vertical

High Channel							
119.7	29.4	16.6	46.0	82.2	-36.2	Peak	Horizontal
241.5	27.0	17.1	44.1	82.2	-38.1	Peak	Horizontal
119.7	28.1	16.6	44.7	82.2	-37.5	Peak	Vertical
239.5	34.1	17.0	51.1	82.2	-31.1	Peak	Vertical
7417.5	63.0	2.2	65.2	82.2	-17.0	Peak	Horizontal
11548.5	61.3	8.2	69.5	82.2	-12.7	Peak	Horizontal
7477.0	62.3	2.4	64.7	82.2	-17.5	Peak	Vertical
10962.0	61.2	7.7	68.9	82.2	-13.3	Peak	Vertical
36590.0	19.6	48.6	68.2	91.8	-23.6	Average	Horizontal
39274.0	20.7	50.1	70.8	91.8	-21.0	Average	Horizontal
36337.0	20.4	48.6	69.0	91.8	-22.8	Average	Vertical
39164.0	20.4	50.4	70.8	91.8	-21.0	Average	Vertical

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

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/09 ~ 2021/12/02
Test Mode	n261_SISO Mode_Beam ID 63_200MHz_1 RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
119.7	27.1	16.6	43.7	82.2	-38.5	Peak	Horizontal
240.5	28.4	17.1	45.5	82.2	-36.7	Peak	Horizontal
119.7	29.1	16.6	45.7	82.2	-36.5	Peak	Vertical
240.5	28.4	17.1	45.5	82.2	-36.7	Peak	Vertical
7154.0	63.5	1.0	64.5	82.2	-17.7	Peak	Horizontal
10477.5	60.5	6.1	66.6	82.2	-15.6	Peak	Horizontal
7468.5	63.5	2.4	65.9	82.2	-16.3	Peak	Vertical
10868.5	62.1	7.6	69.7	82.2	-12.5	Peak	Vertical
38361.0	20.6	48.4	69.0	91.8	-22.8	Average	Horizontal
39197.0	20.6	50.6	71.2	91.8	-20.6	Average	Horizontal
39164.0	20.6	50.4	71.0	91.8	-20.8	Average	Vertical
39692.0	19.6	50.1	69.7	91.8	-22.1	Average	Vertical
<b>Middle Channel</b>							
119.7	28.3	16.6	44.9	82.2	-37.3	Peak	Horizontal
240.0	28.8	17.1	45.9	82.2	-36.3	Peak	Horizontal
119.7	29.0	16.6	45.6	82.2	-36.6	Peak	Vertical
241.5	26.7	17.1	43.8	82.2	-38.4	Peak	Vertical
9364.0	62.1	5.6	67.7	82.2	-14.5	Peak	Horizontal
11480.5	61.4	8.7	70.1	82.2	-12.1	Peak	Horizontal
9857.0	62.4	5.7	68.1	82.2	-14.1	Peak	Vertical
14319.5	60.7	11.7	72.4	82.2	-9.8	Peak	Vertical
35589.0	20.6	48.0	68.6	91.8	-23.2	Average	Horizontal
38988.0	21.5	50.9	72.4	91.8	-19.4	Average	Horizontal
36348.0	20.3	48.4	68.7	91.8	-23.1	Average	Vertical
39186.0	20.6	50.8	71.4	91.8	-20.4	Average	Vertical

High Channel							
240.0	33.6	17.1	50.7	82.2	-31.5	Peak	Horizontal
282.7	26.0	18.8	44.8	82.2	-37.4	Peak	Horizontal
35.8	33.9	17.6	51.5	82.2	-30.7	Peak	Vertical
240.0	27.8	17.1	44.9	82.2	-37.3	Peak	Vertical
7443.0	62.7	2.4	65.1	82.2	-17.1	Peak	Horizontal
11115.0	63.3	7.2	70.5	82.2	-11.7	Peak	Horizontal
7774.5	63.4	2.0	65.4	82.2	-16.8	Peak	Vertical
10868.5	61.4	7.6	69.0	82.2	-13.2	Peak	Vertical
36370.0	20.6	48.3	68.9	91.8	-22.9	Average	Horizontal
39252.0	20.6	50.4	71.0	91.8	-20.8	Average	Horizontal
37679.0	22.4	47.2	69.6	91.8	-22.2	Average	Vertical
39208.0	21.0	50.4	71.4	91.8	-20.4	Average	Vertical

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

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/01/17 ~ 2021/01/21
Test Mode	n261_SISO Mode_Beam ID 63_200MHz_Full RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
119.7	27.7	16.6	44.3	82.2	-37.9	Peak	Horizontal
238.6	29.1	17.0	46.1	82.2	-36.1	Peak	Horizontal
119.7	27.7	16.6	44.3	82.2	-37.9	Peak	Vertical
241.5	26.8	17.1	43.9	82.2	-38.3	Peak	Vertical
8148.5	63.6	3.2	66.8	82.2	-15.4	Peak	Horizontal
11344.5	62.0	7.4	69.4	82.2	-12.8	Peak	Horizontal
7434.5	62.7	2.3	65.0	82.2	-17.2	Peak	Vertical
11429.5	61.7	8.4	70.1	82.2	-12.1	Peak	Vertical
38988.0	19.4	50.9	70.3	91.8	-21.5	Average	Horizontal
39527.0	20.4	49.8	70.2	91.8	-21.6	Average	Horizontal
39197.0	20.4	50.6	71.0	91.8	-20.8	Average	Vertical
39626.0	19.7	50.0	69.7	91.8	-22.1	Average	Vertical
<b>Middle Channel</b>							
162.4	29.6	18.5	48.1	82.2	-34.1	Peak	Horizontal
242.9	35.6	17.2	52.8	82.2	-29.4	Peak	Horizontal
35.8	34.0	17.6	51.6	82.2	-30.6	Peak	Vertical
241.5	29.3	17.1	46.4	82.2	-35.8	Peak	Vertical
7400.5	63.0	2.1	65.1	82.2	-17.1	Peak	Horizontal
11659.0	62.2	7.8	70.0	82.2	-12.2	Peak	Horizontal
9865.5	61.9	5.7	67.6	82.2	-14.6	Peak	Vertical
14498.0	60.9	11.6	72.5	82.2	-9.7	Peak	Vertical
39219.0	20.4	50.4	70.8	91.8	-21.0	Average	Horizontal
40000.0	20.6	50.3	70.9	91.8	-20.9	Average	Horizontal
38911.0	20.6	48.9	69.5	91.8	-22.3	Average	Vertical
39197.0	19.6	50.6	70.2	91.8	-21.6	Average	Vertical

High Channel							
38988.0	19.6	50.9	70.5	91.8	-21.3	Peak	Horizontal
39252.0	19.6	50.4	70.0	91.8	-21.8	Peak	Horizontal
36348.0	21.6	48.4	70.0	91.8	-21.8	Peak	Vertical
39274.0	20.9	50.1	71.0	91.8	-20.8	Peak	Vertical
7417.5	63.1	2.2	65.3	82.2	-16.9	Peak	Horizontal
11225.5	61.6	7.7	69.3	82.2	-12.9	Peak	Horizontal
8650.0	63.6	3.2	66.8	82.2	-15.4	Peak	Vertical
11446.5	60.8	8.4	69.2	82.2	-13.0	Peak	Vertical
157.6	27.8	18.6	46.4	82.2	-35.8	Average	Horizontal
237.6	32.7	16.9	49.6	82.2	-32.6	Average	Horizontal
35.8	35.2	17.6	52.8	82.2	-29.4	Average	Vertical
238.6	27.8	17.0	44.8	82.2	-37.4	Average	Vertical

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



Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/01/17 ~ 2021/01/21
Test Mode	n261_SISO Mode_Beam ID 63_400MHz_1 RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
158.0	28.2	18.6	46.8	82.2	-35.4	Peak	Horizontal
246.3	32.2	17.3	49.5	82.2	-32.7	Peak	Horizontal
35.8	35.1	17.6	52.7	82.2	-29.5	Peak	Vertical
119.7	27.5	16.6	44.1	82.2	-38.1	Peak	Vertical
11429.5	62.6	8.4	71.0	82.2	-11.2	Peak	Horizontal
14472.5	60.6	12.0	72.6	82.2	-9.6	Peak	Horizontal
10868.5	62.9	7.6	70.5	82.2	-11.7	Peak	Vertical
14685.0	60.2	12.1	72.3	82.2	-9.9	Peak	Vertical
38614.0	22.0	48.2	70.2	91.8	-21.6	Average	Horizontal
39186.0	19.0	50.8	69.8	91.8	-22.0	Average	Horizontal
36260.0	20.9	48.5	69.4	91.8	-22.4	Average	Vertical
39219.0	21.7	50.4	72.1	91.8	-19.7	Average	Vertical
<b>Middle Channel</b>							
163.4	26.4	18.4	44.8	82.2	-37.4	Peak	Horizontal
241.5	32.6	17.1	49.7	82.2	-32.5	Peak	Horizontal
119.7	27.9	16.6	44.5	82.2	-37.7	Peak	Vertical
240.0	26.9	17.1	44.0	82.2	-38.2	Peak	Vertical
11132.0	63.2	7.6	70.8	82.2	-11.4	Peak	Horizontal
14464.0	60.4	12.3	72.7	82.2	-9.5	Peak	Horizontal
11506.0	61.5	8.9	70.4	82.2	-11.8	Peak	Vertical
14540.5	60.6	12.3	72.9	82.2	-9.3	Peak	Vertical
38944.0	20.5	49.6	70.1	91.8	-21.7	Average	Horizontal
39219.0	20.6	50.4	71.0	91.8	-20.8	Average	Horizontal
38317.0	21.3	47.8	69.1	91.8	-22.7	Average	Vertical
39186.0	19.6	50.8	70.4	91.8	-21.4	Average	Vertical

High Channel							
162.9	27.0	18.4	45.4	82.2	-36.8	Peak	Horizontal
240.0	32.4	17.1	49.5	82.2	-32.7	Peak	Horizontal
119.7	28.6	16.6	45.2	82.2	-37.0	Peak	Vertical
245.8	26.9	17.3	44.2	82.2	-38.0	Peak	Vertical
11132.0	63.2	7.6	70.8	82.2	-11.4	Peak	Horizontal
14464.0	60.4	12.3	72.7	82.2	-9.5	Peak	Horizontal
11506.0	61.5	8.9	70.4	82.2	-11.8	Peak	Vertical
14540.5	60.6	12.3	72.9	82.2	-9.3	Peak	Vertical
36293.0	21.5	48.8	70.3	91.8	-21.5	Average	Horizontal
39098.0	21.6	49.1	70.7	91.8	-21.1	Average	Horizontal
36359.0	20.6	48.4	69.0	91.8	-22.8	Average	Vertical
39197.0	20.5	50.6	71.1	91.8	-20.7	Average	Vertical

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

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/01/17 ~ 2021/01/21
Test Mode	n261_SISO Mode_Beam ID 63_400MHz_Full RB (30MHz ~ 40GHz)		

Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
<b>Low Channel</b>							
158.0	27.0	18.6	45.6	82.2	-36.6	Peak	Horizontal
246.8	32.3	17.4	49.7	82.2	-32.5	Peak	Horizontal
35.8	34.2	17.6	51.8	82.2	-30.4	Peak	Vertical
119.7	27.9	16.6	44.5	82.2	-37.7	Peak	Vertical
11506.0	62.7	8.9	71.6	82.2	-10.6	Peak	Horizontal
14566.0	60.0	12.4	72.4	82.2	-9.8	Peak	Horizontal
10834.5	63.3	7.4	70.7	82.2	-11.5	Peak	Vertical
14532.0	59.6	12.3	71.9	82.2	-10.3	Peak	Vertical
38988.0	20.1	50.9	71.0	91.8	-20.8	Average	Horizontal
39208.0	20.5	50.4	70.9	91.8	-20.9	Average	Horizontal
38889.0	20.6	48.5	69.1	91.8	-22.7	Average	Vertical
39175.0	20.9	50.6	71.5	91.8	-20.3	Average	Vertical
<b>Middle Channel</b>							
241.5	32.7	17.1	49.8	82.2	-32.4	Peak	Horizontal
719.2	16.1	27.9	44.0	82.2	-38.2	Peak	Horizontal
35.8	35.2	17.6	52.8	82.2	-29.4	Peak	Vertical
119.7	28.3	16.6	44.9	82.2	-37.3	Peak	Vertical
11421.0	62.3	8.4	70.7	82.2	-11.5	Peak	Horizontal
14668.0	60.2	12.6	72.8	82.2	-9.4	Peak	Horizontal
10843.0	63.2	7.5	70.7	82.2	-11.5	Peak	Vertical
14532.0	59.7	12.3	72.0	82.2	-10.2	Peak	Vertical
38955.0	21.5	49.4	70.9	91.8	-20.9	Average	Horizontal
39219.0	20.6	50.4	71.0	91.8	-20.8	Average	Horizontal
38988.0	19.6	50.9	70.5	91.8	-21.3	Average	Vertical
39219.0	20.5	50.4	70.9	91.8	-20.9	Average	Vertical

High Channel							
158.5	26.9	18.6	45.5	82.2	-36.7	Peak	Horizontal
241.5	32.7	17.1	49.8	82.2	-32.4	Peak	Horizontal
119.7	27.8	16.6	44.4	82.2	-37.8	Peak	Vertical
238.6	26.8	17.0	43.8	82.2	-38.4	Peak	Vertical
10860.0	63.0	7.6	70.6	82.2	-11.6	Peak	Horizontal
14464.0	59.7	12.3	72.0	82.2	-10.2	Peak	Horizontal
11557.0	62.5	8.2	70.7	82.2	-11.5	Peak	Vertical
14124.0	60.9	11.5	72.4	82.2	-9.8	Peak	Vertical
36337.0	22.6	48.6	71.2	91.8	-20.6	Average	Horizontal
38944.0	21.6	49.6	71.2	91.8	-20.6	Average	Horizontal
36315.0	20.8	48.9	69.7	91.8	-22.1	Average	Vertical
39153.0	20.8	50.0	70.8	91.8	-21.0	Average	Vertical

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

Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/25 ~ 2021/11/26
Test Mode	n261_SISO Mode_Beam ID 63 (40 ~ 50GHz)		

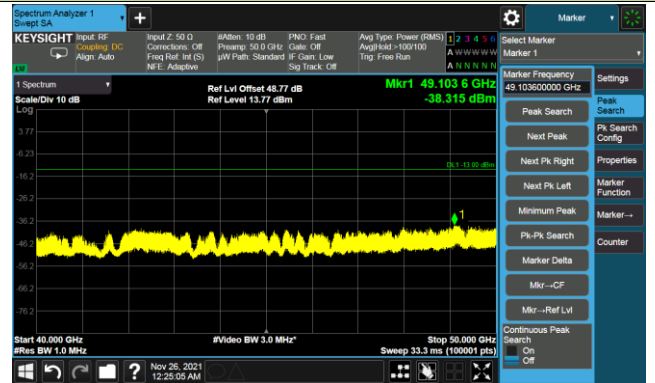
CH	BW (MHz)	RB	EIRP (dBm)		Limit (dBm)	Result	
			H	V			
Low	50	1RB Left	-37.45	-38.32	≤ -13.00	Pass	
		Full RB	-37.49	-37.89	≤ -13.00	Pass	
Middle		1RB Left	-37.74	-38.77	≤ -13.00	Pass	
		Full RB	-37.24	-37.80	≤ -13.00	Pass	
High		1RB Right	-37.19	-37.52	≤ -13.00	Pass	
		Full RB	-37.34	-37.11	≤ -13.00	Pass	
Low		100	1RB Left	-37.55	-37.55	≤ -13.00	Pass
			Full RB	-38.89	-36.92	≤ -13.00	Pass
Middle			1RB Left	-39.05	-37.52	≤ -13.00	Pass
			Full RB	-38.43	-38.77	≤ -13.00	Pass
High	1RB Right		-37.78	-39.16	≤ -13.00	Pass	
	Full RB		-37.73	-38.69	≤ -13.00	Pass	
Low	200	1RB Left	-37.32	-37.52	≤ -13.00	Pass	
		Full RB	-38.01	-37.02	≤ -13.00	Pass	
Middle		1RB Left	-37.40	-37.89	≤ -13.00	Pass	
		Full RB	-37.77	-37.28	≤ -13.00	Pass	
High		1RB Right	-37.50	-37.87	≤ -13.00	Pass	
		Full RB	-38.24	-37.58	≤ -13.00	Pass	
Low	400	1RB Left	-37.95	-37.30	≤ -13.00	Pass	
		Full RB	-41.42	-37.19	≤ -13.00	Pass	
Middle		1RB Left	-36.88	-38.54	≤ -13.00	Pass	
		Full RB	-36.06	-37.26	≤ -13.00	Pass	
High		1RB Right	-37.67	-37.12	≤ -13.00	Pass	
		Full RB	-37.19	-37.46	≤ -13.00	Pass	

## Radiated Spurious Emissions - 50MHz

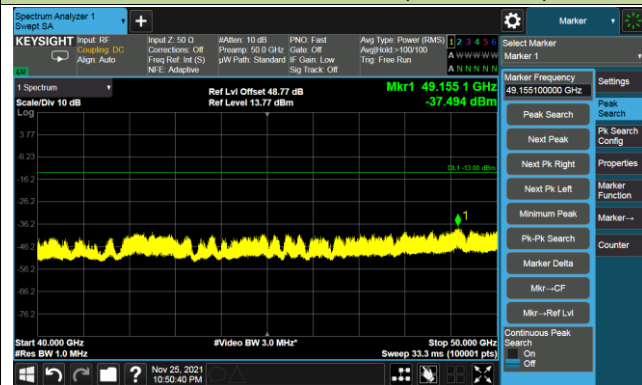
### Low Channel\_1RB (Horizontal)



### Low Channel\_1RB (Vertical)



### Low Channel\_Full RB (Horizontal)



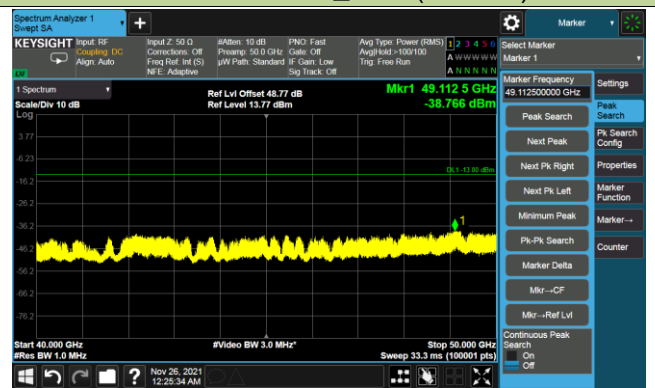
### Low Channel\_Full RB (Vertical)



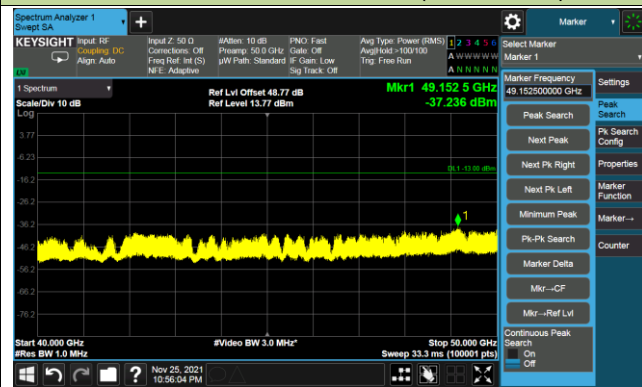
### Middle Channel\_1RB (Horizontal)



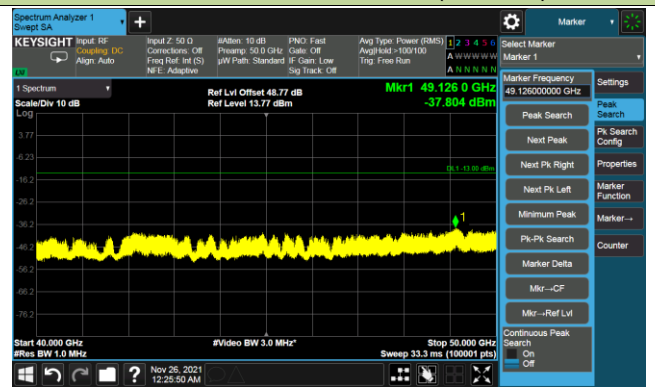
### Middle Channel\_1RB (Vertical)

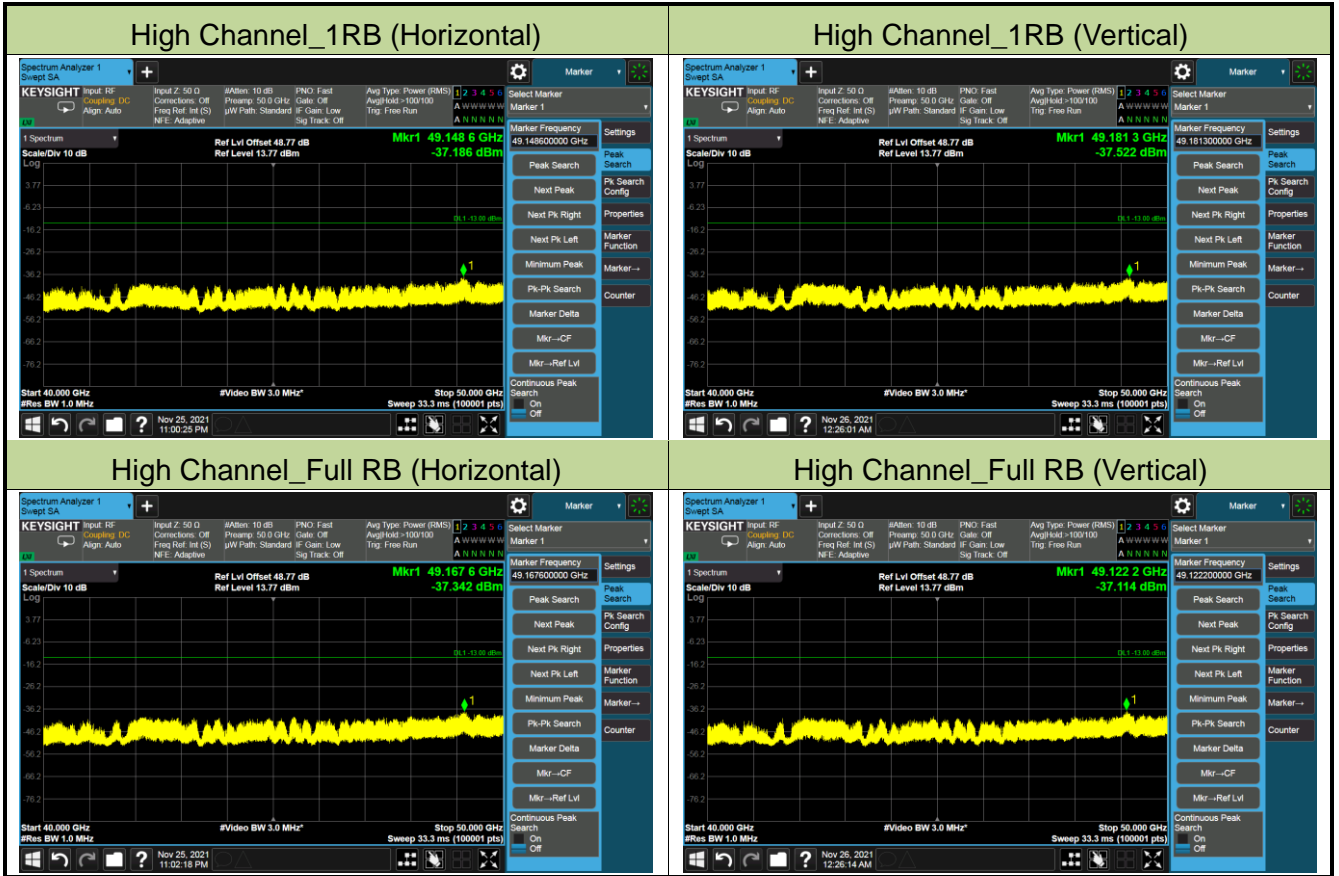


### Middle Channel\_Full RB (Horizontal)



### Middle Channel\_Full RB (Vertical)

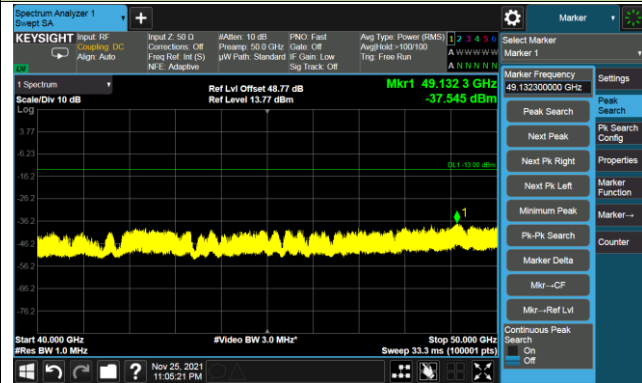




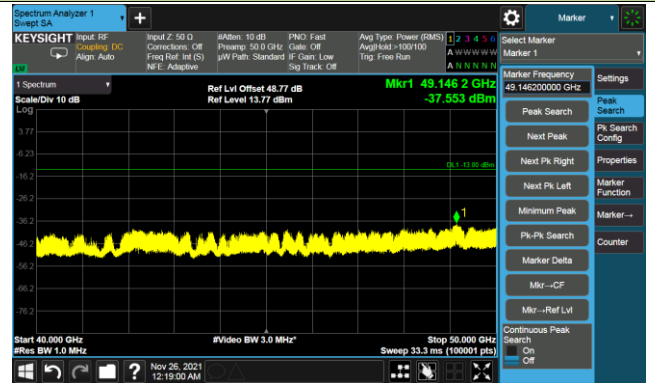


## Radiated Spurious Emissions - 100MHz

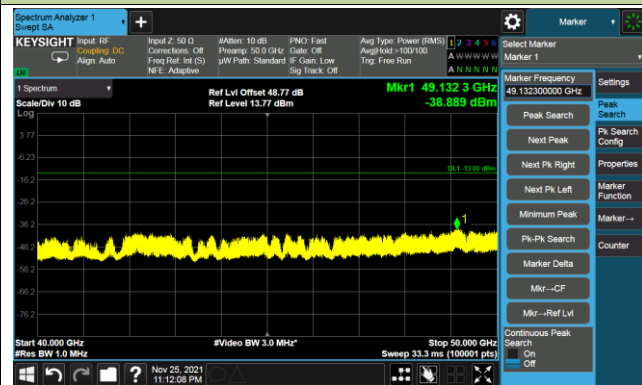
### Low Channel\_1RB (Horizontal)



### Low Channel\_1RB (Vertical)



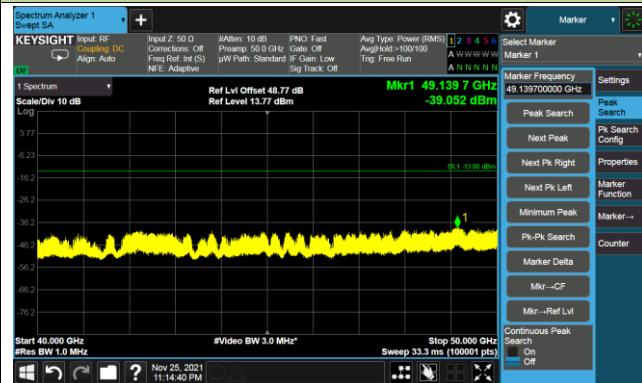
### Low Channel\_Full RB (Horizontal)



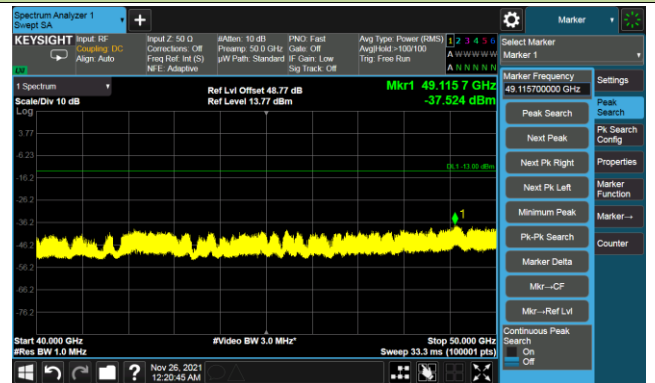
### Low Channel\_Full RB (Vertical)



### Middle Channel\_1RB (Horizontal)



### Middle Channel\_1RB (Vertical)



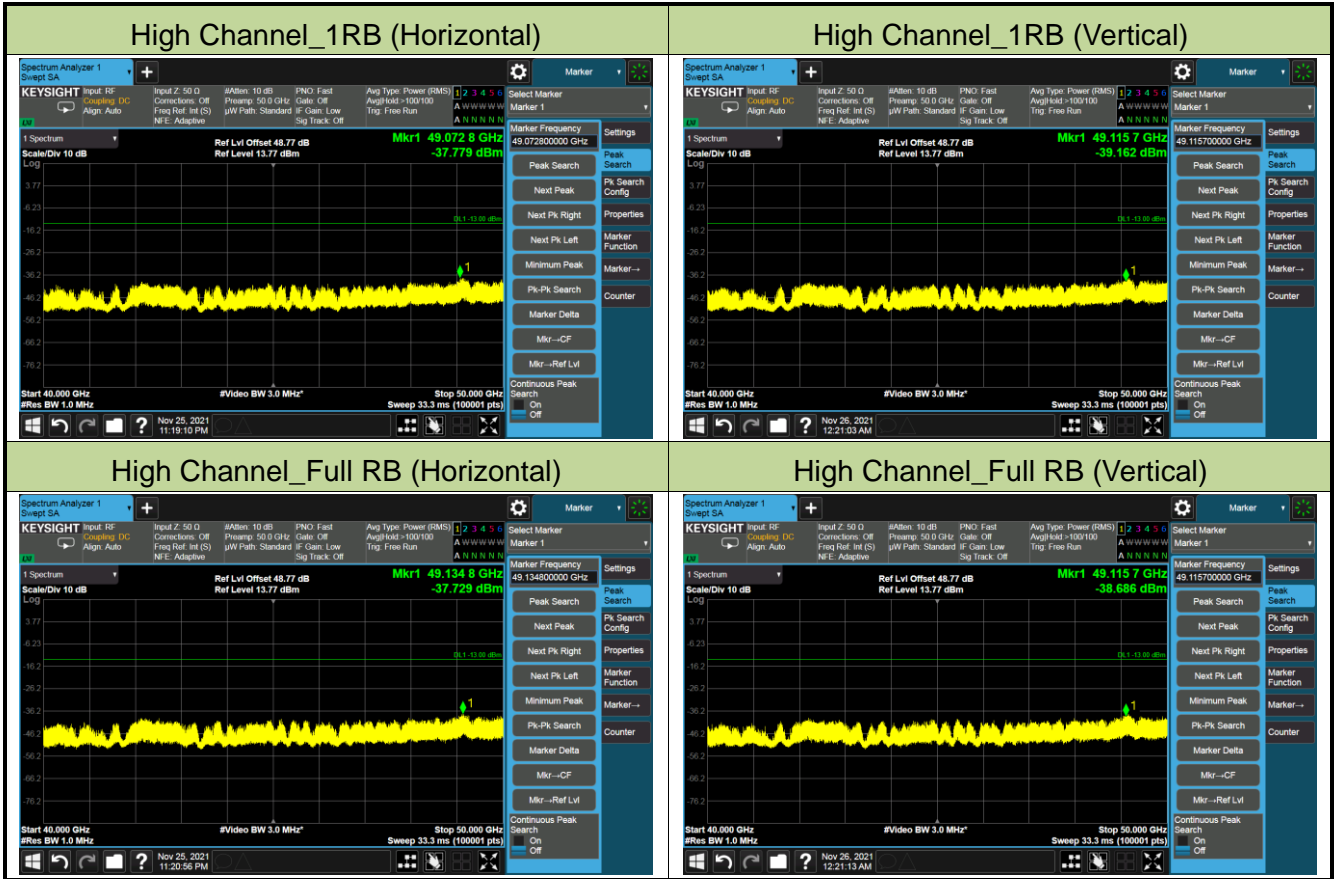
### Middle Channel\_Full RB (Horizontal)



### Middle Channel\_Full RB (Vertical)





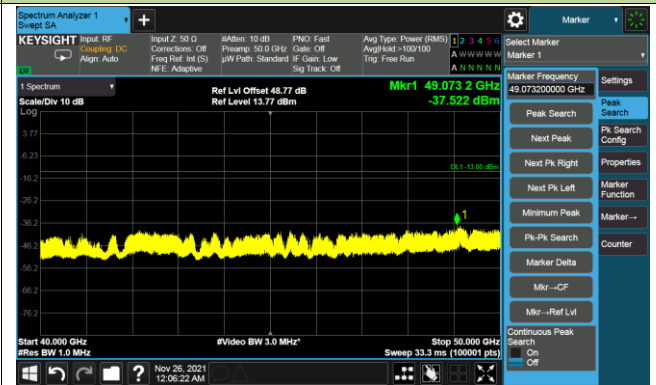


## Radiated Spurious Emissions - 200MHz

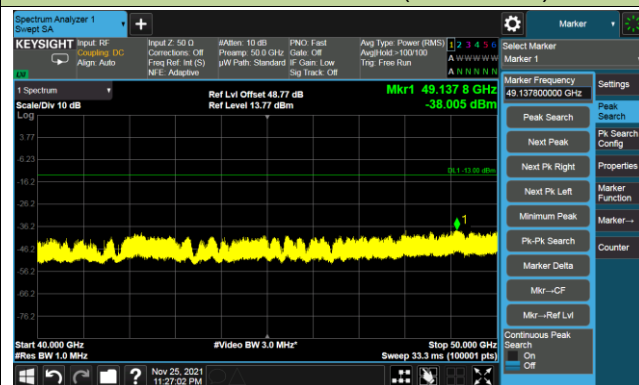
### Low Channel\_1RB (Horizontal)



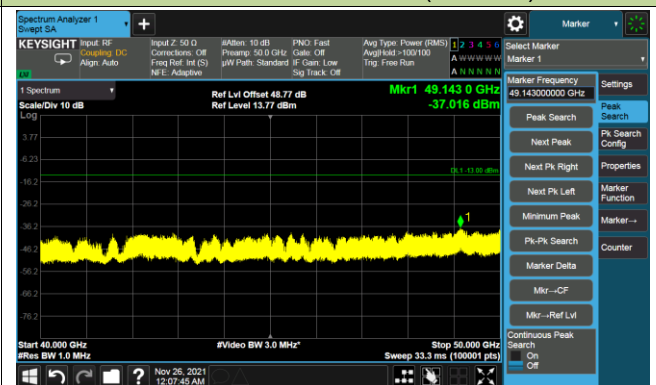
### Low Channel\_1RB (Vertical)



### Low Channel\_Full RB (Horizontal)



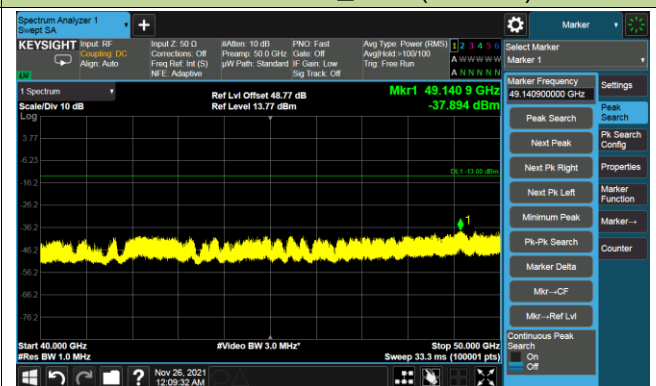
### Low Channel\_Full RB (Vertical)



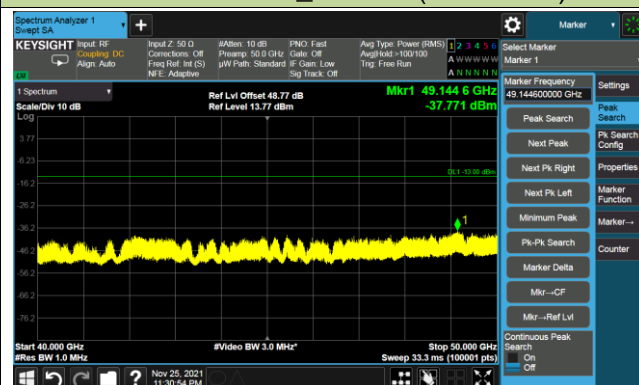
### Middle Channel\_1RB (Horizontal)



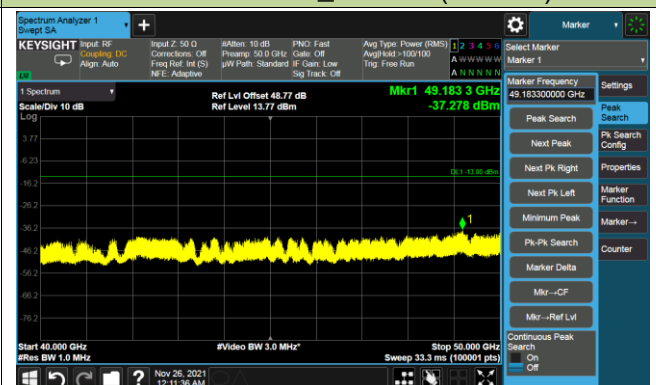
### Middle Channel\_1RB (Vertical)

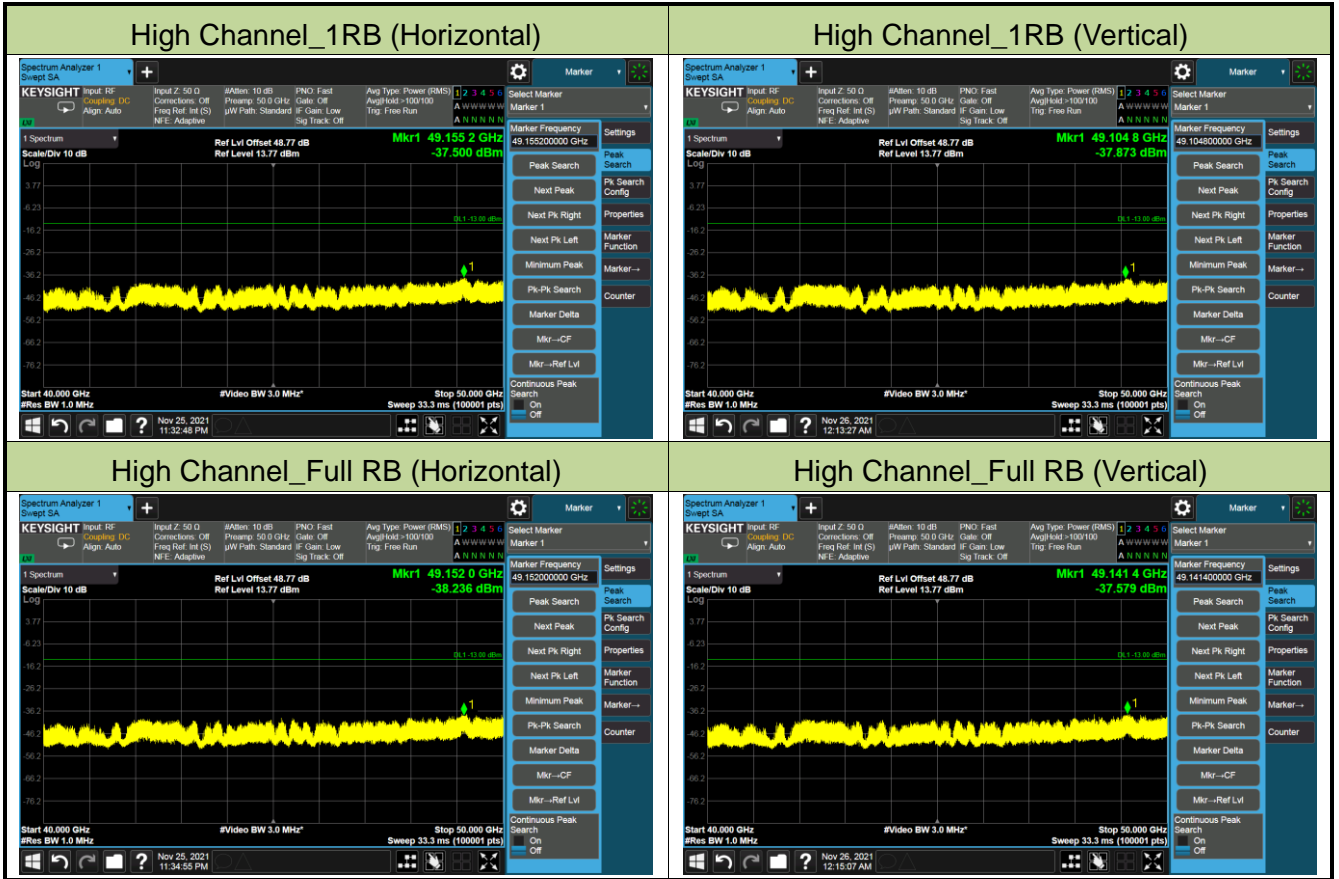


### Middle Channel\_Full RB (Horizontal)



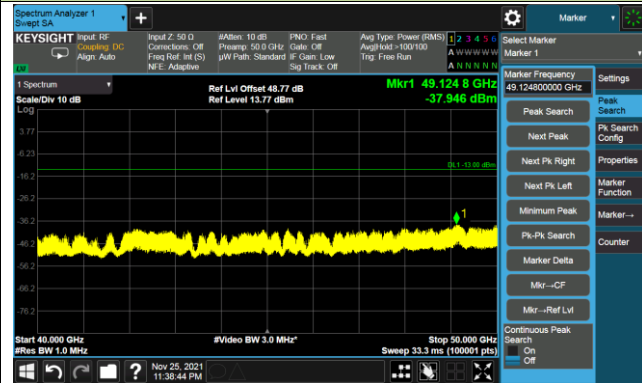
### Middle Channel\_Full RB (Vertical)





## Radiated Spurious Emissions - 400MHz

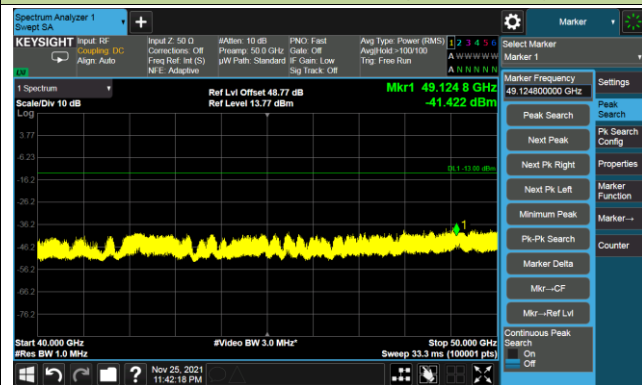
### Low Channel\_1RB (Horizontal)



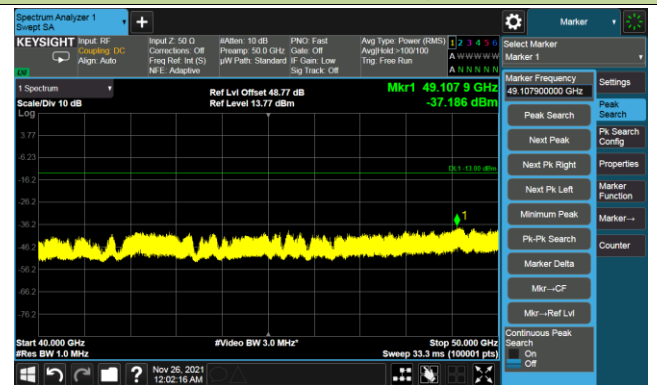
### Low Channel\_1RB (Vertical)



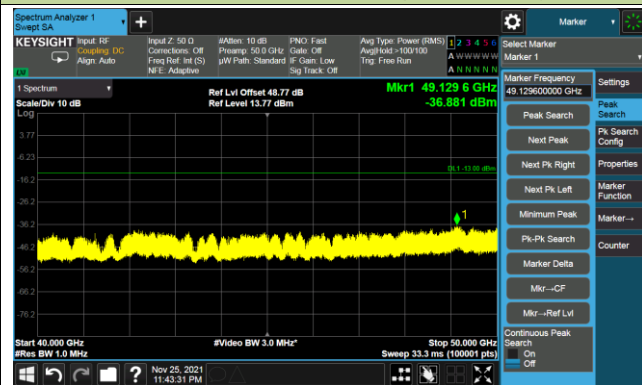
### Low Channel\_Full RB (Horizontal)



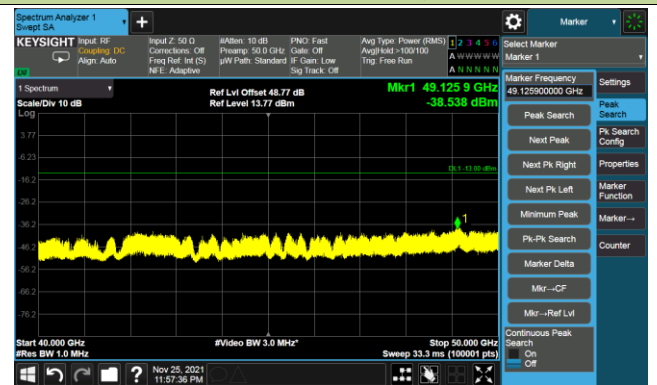
### Low Channel\_Full RB (Vertical)



### Middle Channel\_1RB (Horizontal)



### Middle Channel\_1RB (Vertical)

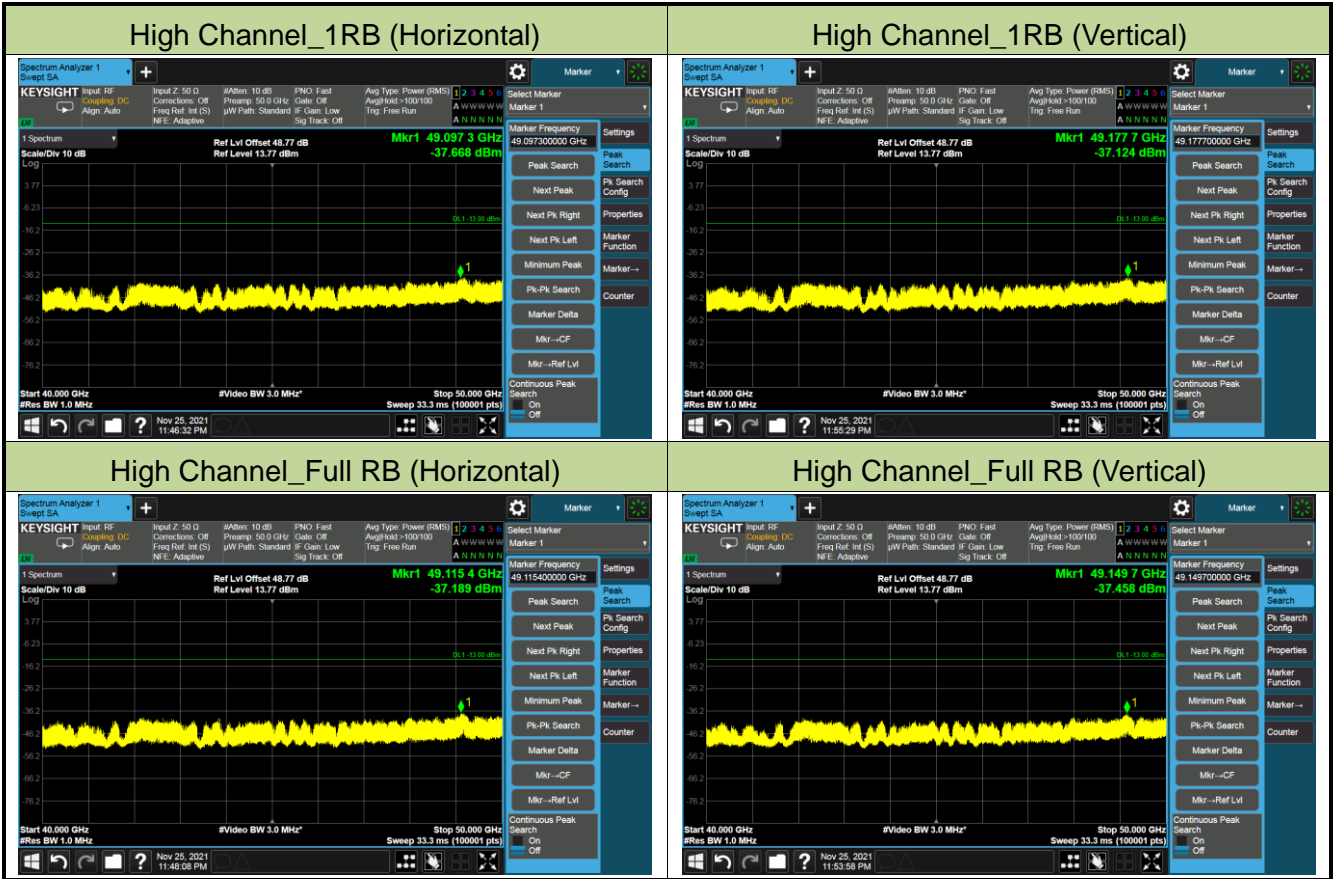


### Middle Channel\_Full RB (Horizontal)



### Middle Channel\_Full RB (Vertical)





Product	5G High Power mmWave Outdoor CPE	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/11/26
Test Mode	n261_SISO Mode_Beam ID 63 (50 ~ 75GHz)		

CH	BW (MHz)	RB	EIRP (dBm)		Limit (dBm)	Result	
			H	V			
Low	50	1RB Left	-38.45	-38.30	≤ -13.00	Pass	
		Full RB	-38.26	-37.93	≤ -13.00	Pass	
Middle		1RB Left	-38.19	-38.36	≤ -13.00	Pass	
		Full RB	-38.32	-38.07	≤ -13.00	Pass	
High		1RB Right	-38.21	-38.13	≤ -13.00	Pass	
		Full RB	-38.40	-38.24	≤ -13.00	Pass	
Low		100	1RB Left	-38.32	-38.37	≤ -13.00	Pass
			Full RB	-38.11	-38.24	≤ -13.00	Pass
Middle			1RB Left	-38.12	-38.24	≤ -13.00	Pass
			Full RB	-37.94	-38.13	≤ -13.00	Pass
High			1RB Right	-38.26	-38.43	≤ -13.00	Pass
			Full RB	-38.23	-38.34	≤ -13.00	Pass
Low	200	1RB Left	-38.28	-38.35	≤ -13.00	Pass	
		Full RB	-38.17	-38.32	≤ -13.00	Pass	
Middle		1RB Left	-38.15	-38.26	≤ -13.00	Pass	
		Full RB	-38.20	-38.42	≤ -13.00	Pass	
High		1RB Right	-38.06	-38.17	≤ -13.00	Pass	
		Full RB	-38.46	-38.16	≤ -13.00	Pass	
Low	400	1RB Left	-38.31	-38.46	≤ -13.00	Pass	
		Full RB	-38.42	-38.38	≤ -13.00	Pass	
Middle		1RB Left	-38.22	-38.09	≤ -13.00	Pass	
		Full RB	-38.48	-38.19	≤ -13.00	Pass	
High		1RB Right	-38.21	-38.35	≤ -13.00	Pass	
		Full RB	-38.14	-38.25	≤ -13.00	Pass	