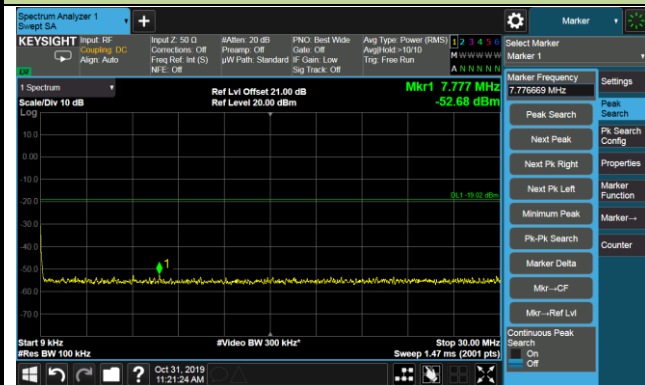


Conducted Spurious Emissions - Ant 1 (256QAM)

2526.0MHz

9kHz ~ 30MHz

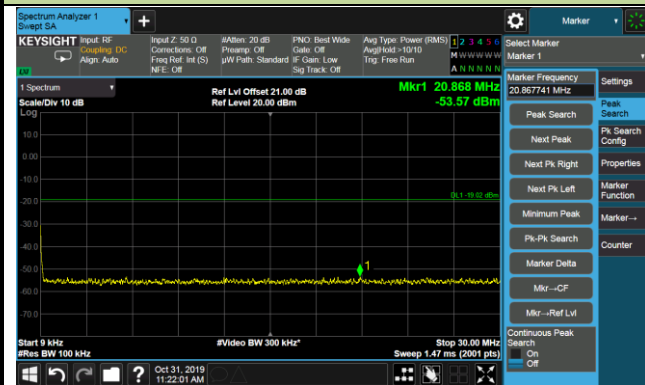


30MHz ~ 27.0GHz



2593.0MHz

9kHz ~ 30MHz

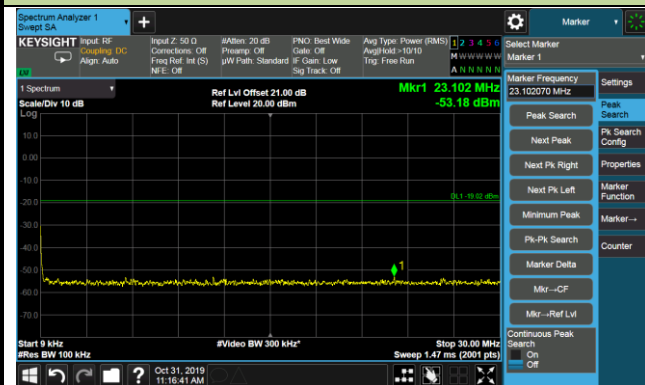


30MHz ~ 27.0GHz



2660.0MHz

9kHz ~ 30MHz



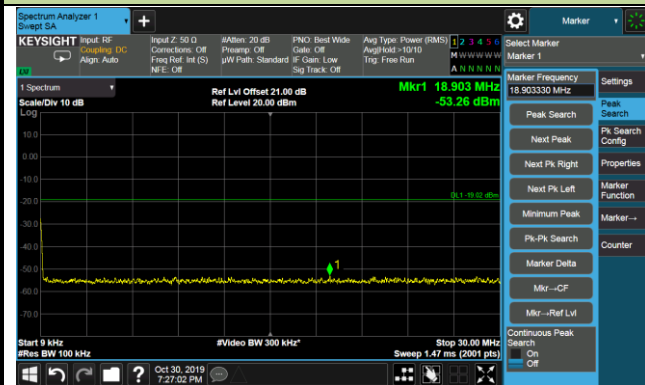
30MHz ~ 27.0GHz



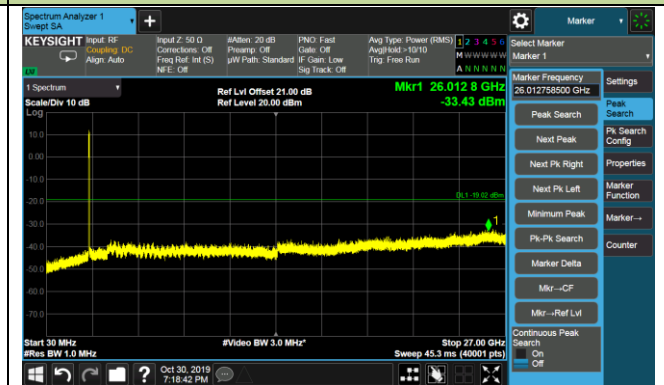
Conducted Spurious Emissions - Ant 2 (QPSK)

2526.0MHz

9kHz ~ 30MHz



30MHz ~ 27.0GHz

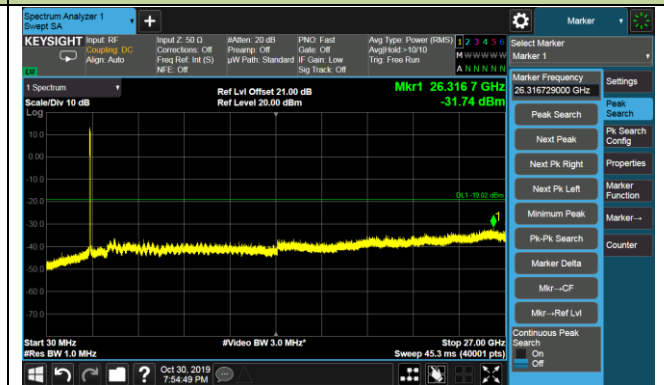


2593.0MHz

9kHz ~ 30MHz

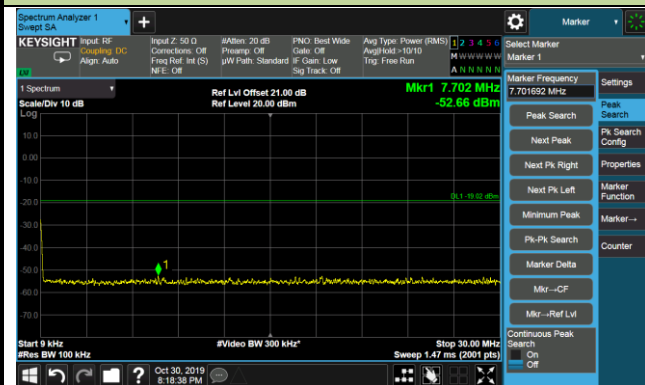


30MHz ~ 27.0GHz

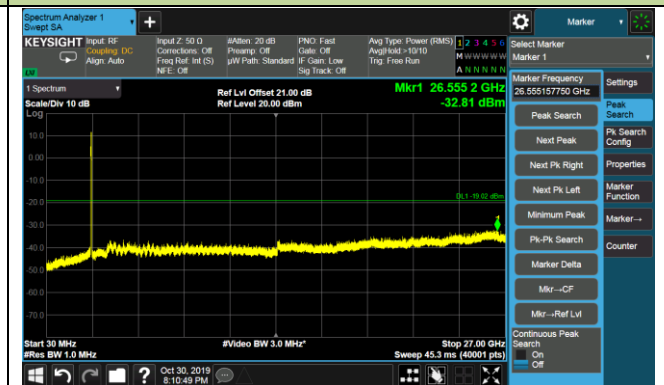


2660.0MHz

9kHz ~ 30MHz



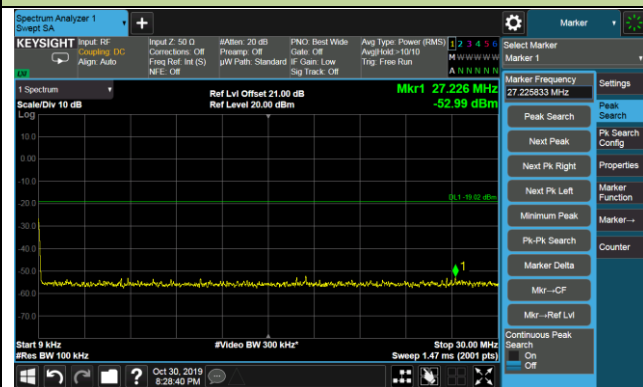
30MHz ~ 27.0GHz



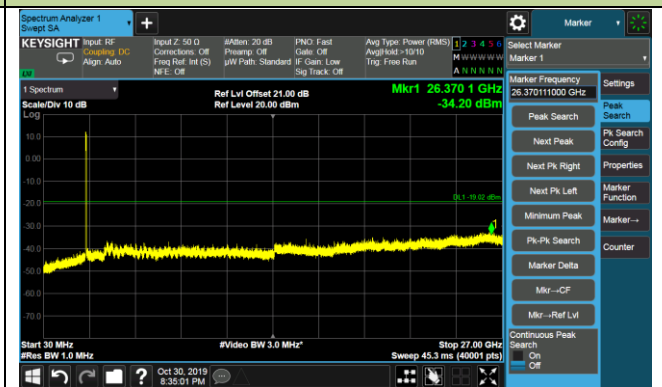
Conducted Spurious Emissions - Ant 2 (16QAM)

2526.0MHz

9kHz ~ 30MHz

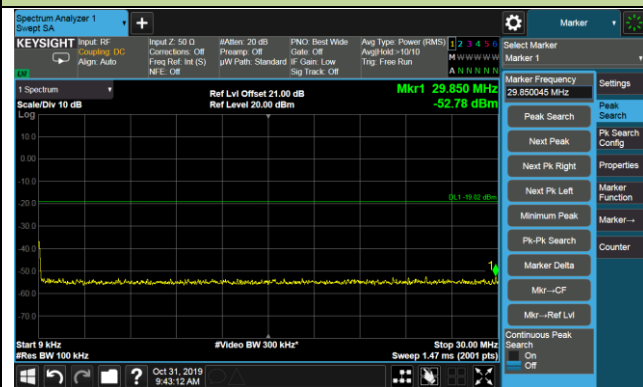


30MHz ~ 27.0GHz

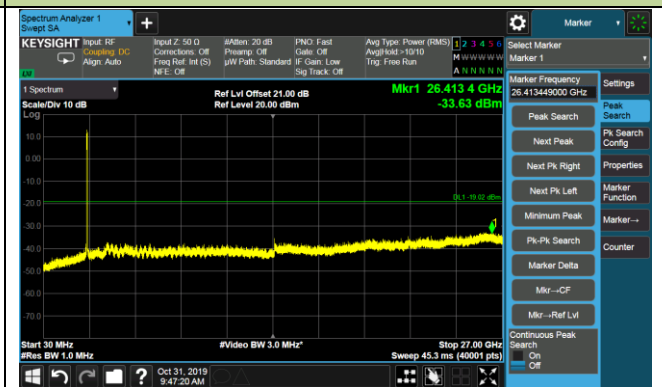


2593.0MHz

9kHz ~ 30MHz

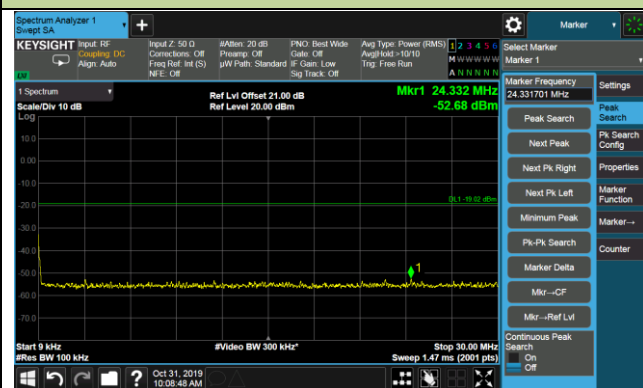


30MHz ~ 27.0GHz

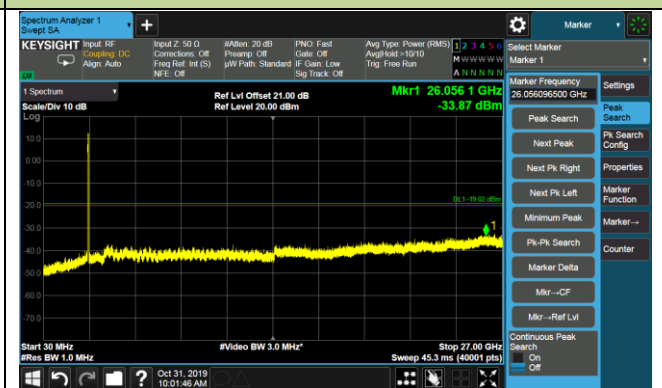


2660.0MHz

9kHz ~ 30MHz



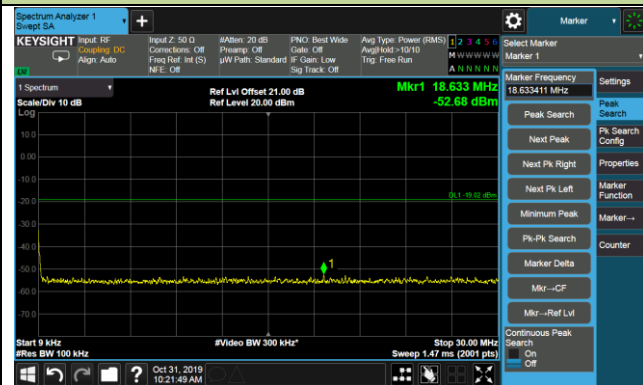
30MHz ~ 27.0GHz



Conducted Spurious Emissions - Ant 2 (64QAM)

2526.0MHz

9kHz ~ 30MHz

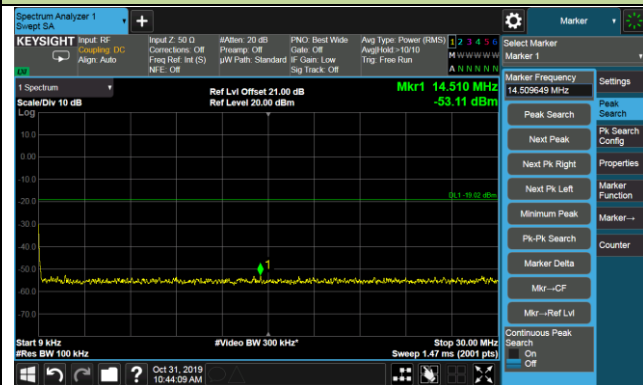


30MHz ~ 27.0GHz

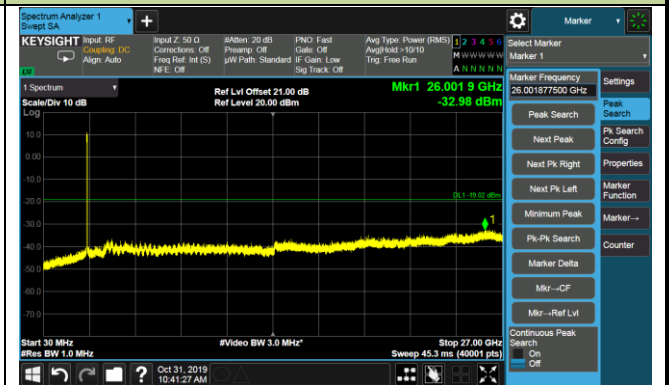


2593.0MHz

9kHz ~ 30MHz

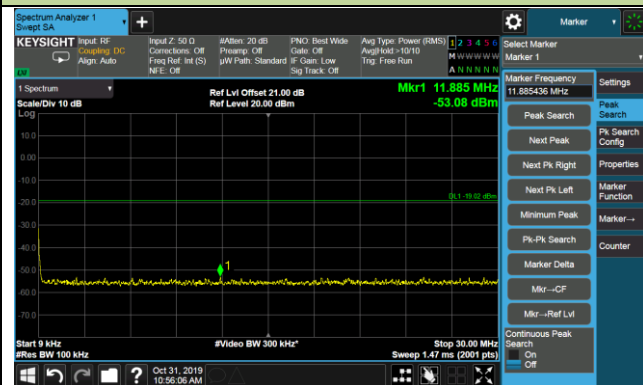


30MHz ~ 27.0GHz

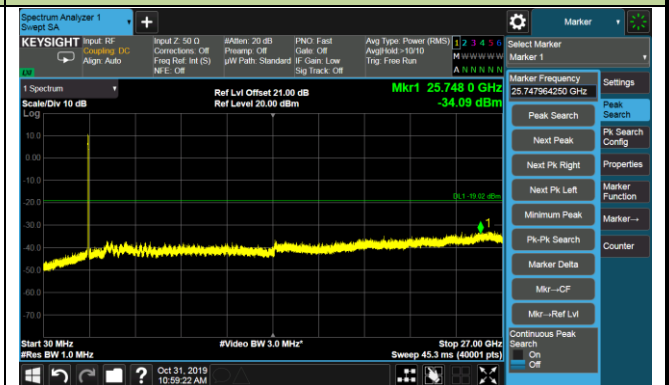


2660.0MHz

9kHz ~ 30MHz



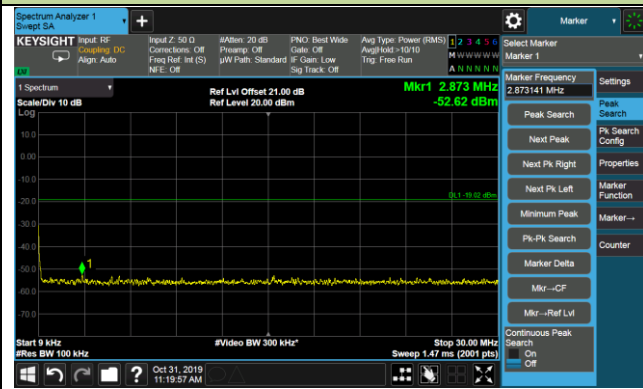
30MHz ~ 27.0GHz



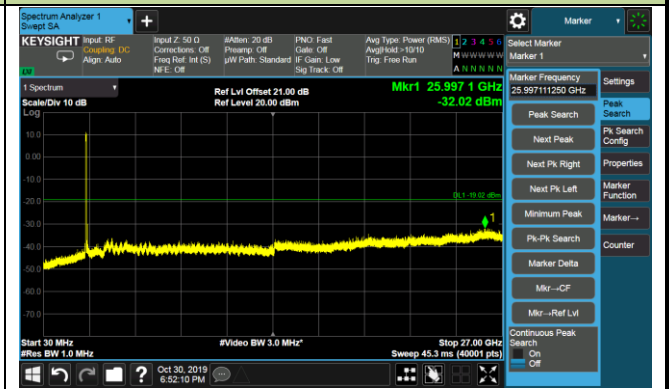
Conducted Spurious Emissions - Ant 2 (256QAM)

2526.0MHz

9kHz ~ 30MHz



30MHz ~ 27.0GHz

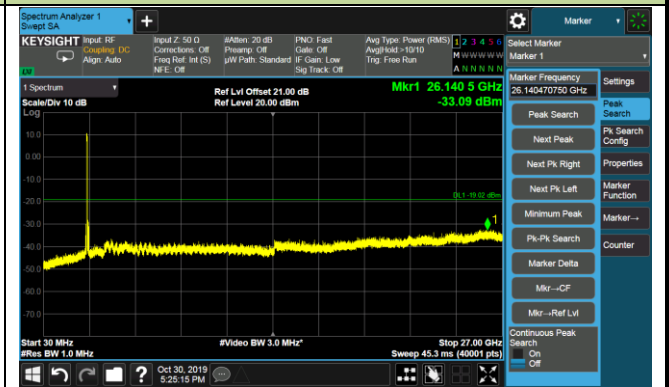


2593.0MHz

9kHz ~ 30MHz



30MHz ~ 27.0GHz



2660.0MHz

9kHz ~ 30MHz



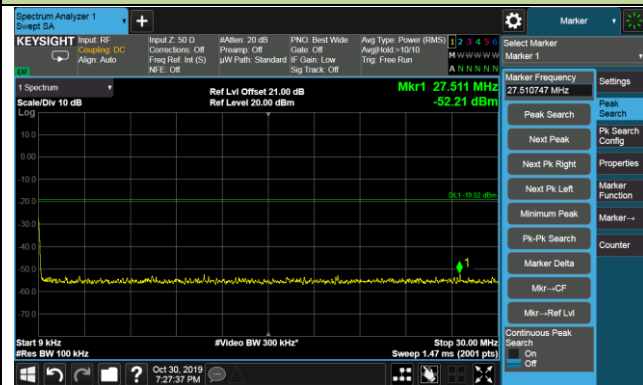
30MHz ~ 27.0GHz



Conducted Spurious Emissions - Ant 3 (QPSK)

2526.0MHz

9kHz ~ 30MHz

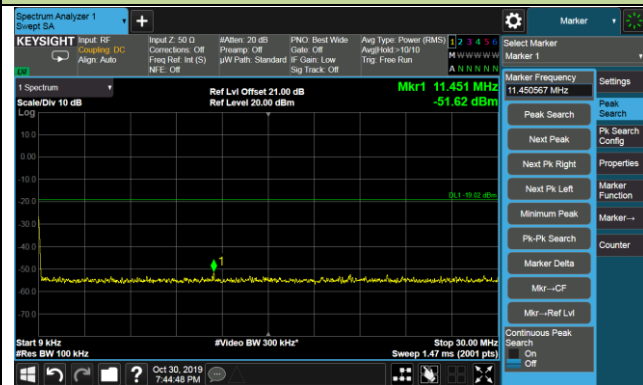


30MHz ~ 27.0GHz



2593.0MHz

9kHz ~ 30MHz

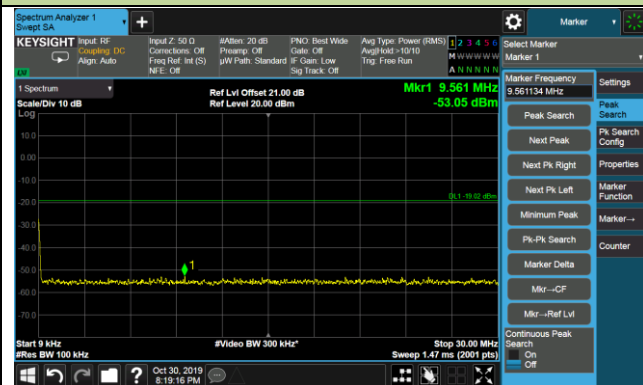


30MHz ~ 27.0GHz

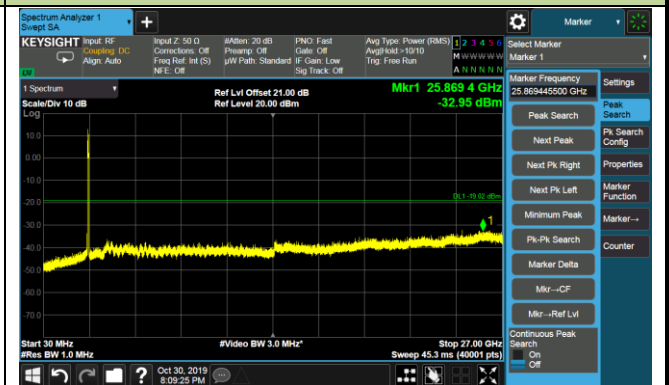


2660.0MHz

9kHz ~ 30MHz



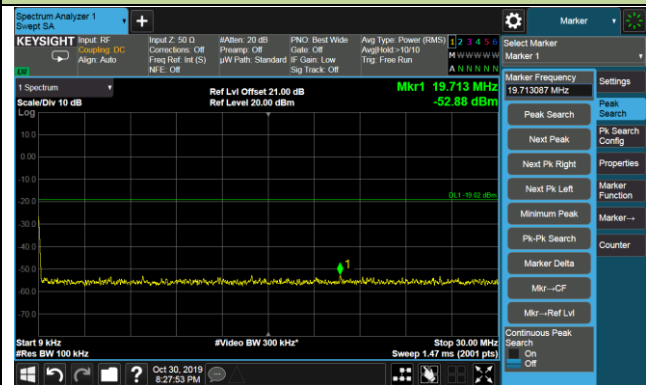
30MHz ~ 27.0GHz



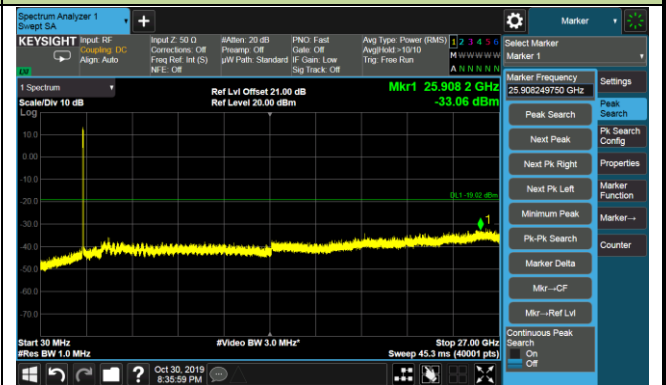
Conducted Spurious Emissions - Ant 3 (16QAM)

2526.0MHz

9kHz ~ 30MHz

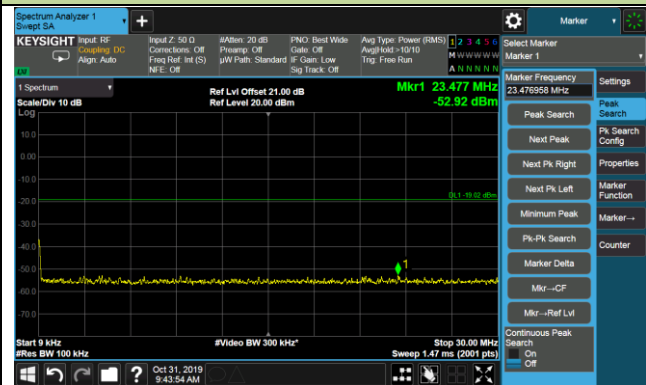


30MHz ~ 27.0GHz

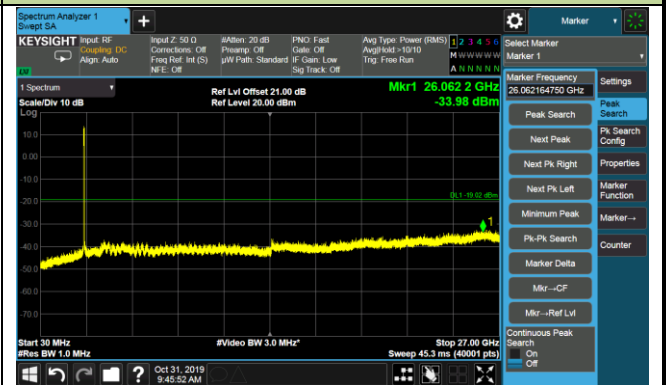


2593.0MHz

9kHz ~ 30MHz

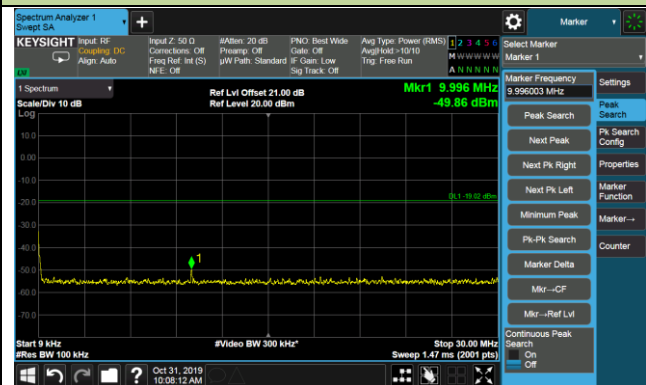


30MHz ~ 27.0GHz



2660.0MHz

9kHz ~ 30MHz



30MHz ~ 27.0GHz



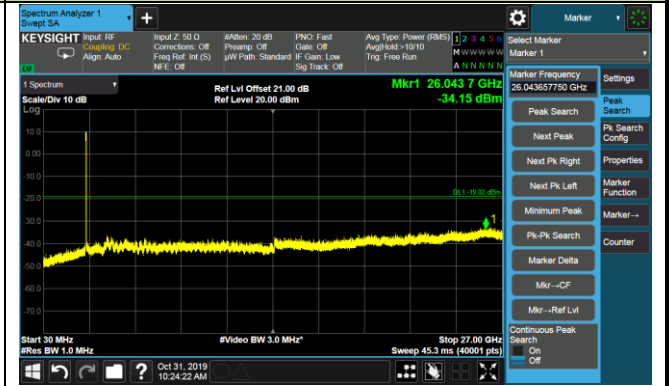
Conducted Spurious Emissions - Ant 3 (64QAM)

2526.0MHz

9kHz ~ 30MHz

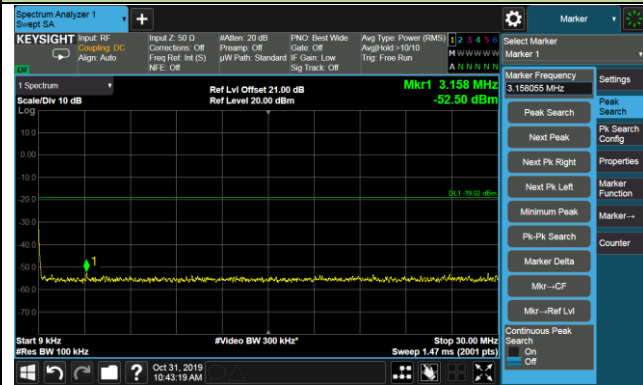


30MHz ~ 27.0GHz

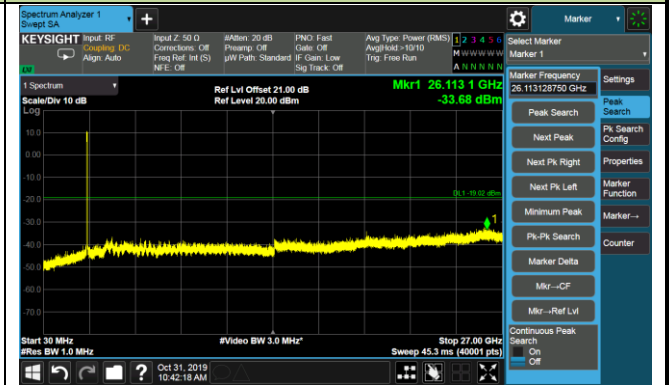


2593.0MHz

9kHz ~ 30MHz



30MHz ~ 27.0GHz

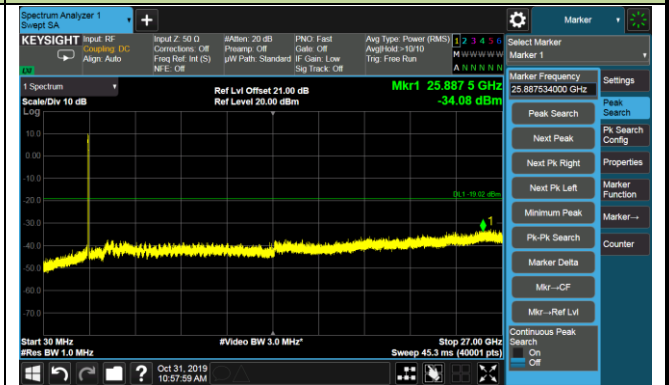


2660.0MHz

9kHz ~ 30MHz



30MHz ~ 27.0GHz

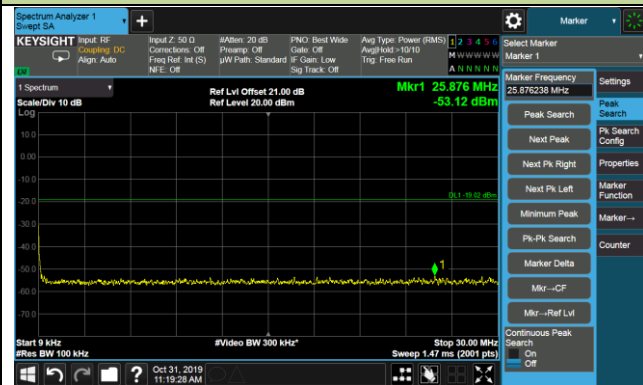


Conducted Spurious Emissions - Ant 3 (256QAM)

2526.0MHz

9kHz ~ 30MHz

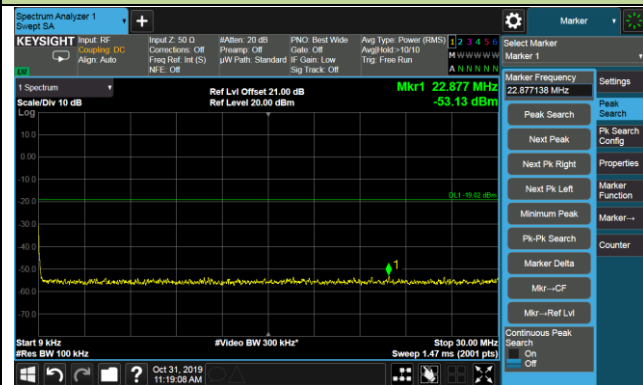
30MHz ~ 27.0GHz



2593.0MHz

9kHz ~ 30MHz

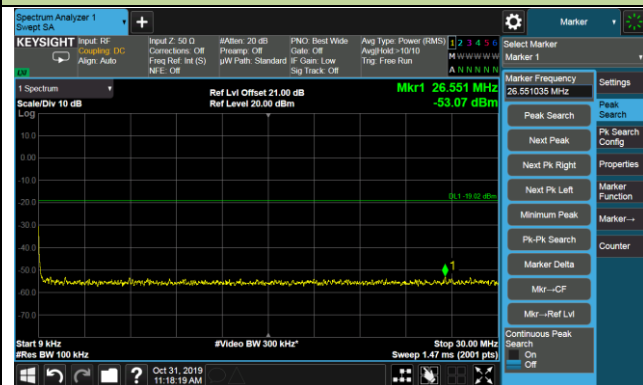
30MHz ~ 27.0GHz



2660.0MHz

9kHz ~ 30MHz

30MHz ~ 27.0GHz



6.8. Radiated Spurious Emissions Measurements

6.8.1. Test Limit

Out of band emissions: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm.

E (dB μ V/m) = EIRP (dBm) - $20 \log D$ + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dB μ V/m.

6.8.2. Test Procedure Used

KDB 971168 D01v03r01 - Section 5.8 & 7

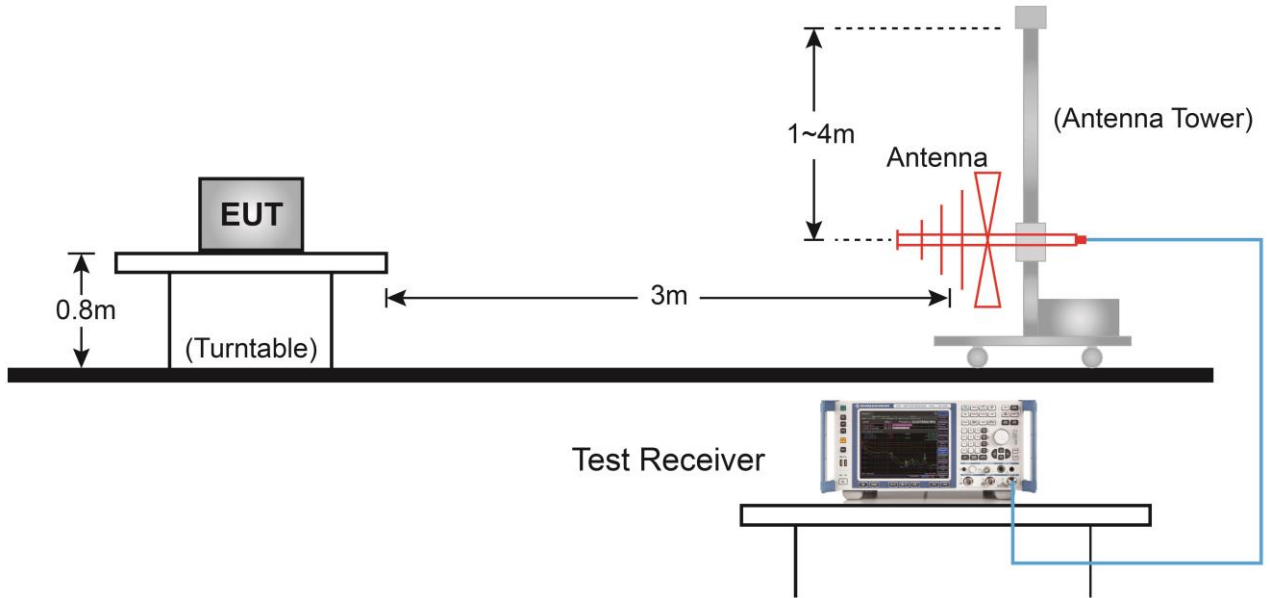
ANSI C63.26-2015 - Section 5.2.7 & 5.5

6.8.3. Test Setting

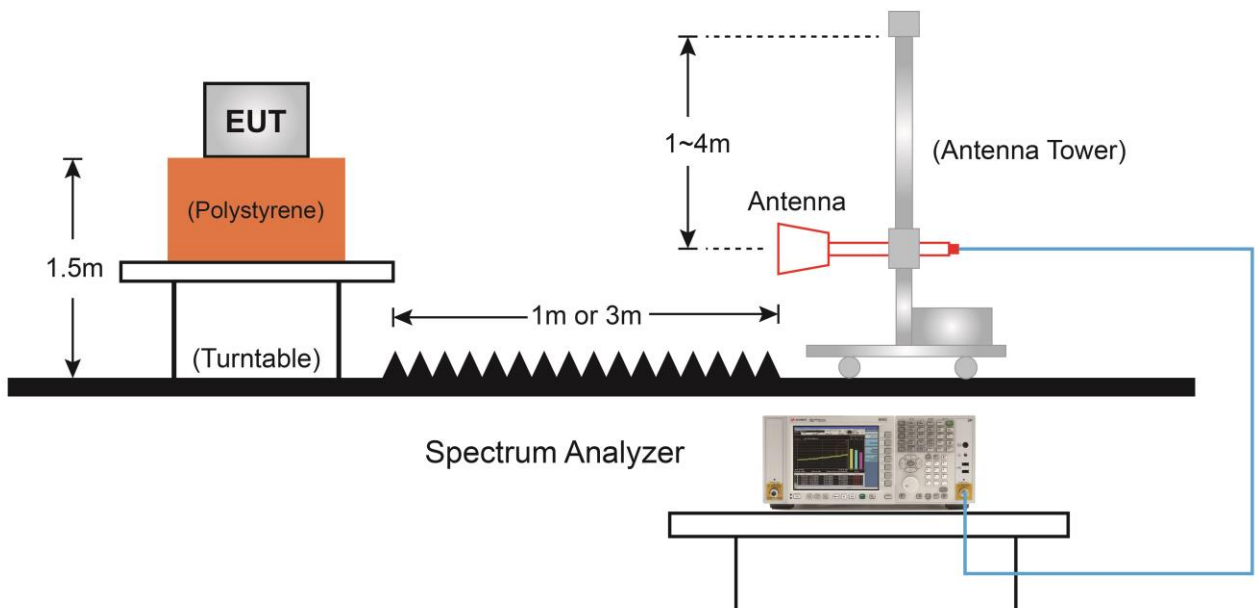
1. RBW = 100kHz or 1MHz
2. VBW $\geq 3 \times$ RBW
3. Sweep time $\geq 10 \times$ (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

6.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.8.5. Test Result

Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/30
Test Item	External Antenna, 5G NR Band n41_QPSK, BW = 100MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2546.0MHz)							
120.2	16.8	16.9	33.7	82.2	-48.5	Peak	Horizontal
168.2	17.0	16.3	33.3	82.2	-48.9	Peak	Horizontal
7596.0	40.7	11.8	52.5	82.2	-29.7	Peak	Horizontal
10486.0	39.9	16.8	56.7	82.2	-25.5	Peak	Horizontal
127.0	16.8	16.3	33.1	82.2	-49.1	Peak	Vertical
169.7	18.9	16.3	35.2	82.2	-47.0	Peak	Vertical
5819.5	41.1	5.1	46.2	82.2	-36.0	Peak	Vertical
6661.0	40.0	8.6	48.6	82.2	-33.6	Peak	Vertical
Middle Channel (2593.0MHz)							
120.7	16.8	16.9	33.7	82.2	-48.5	Peak	Horizontal
187.1	15.9	18.3	34.2	82.2	-48.0	Peak	Horizontal
5020.5	42.2	3.6	45.8	82.2	-36.4	Peak	Horizontal
9338.5	41.0	13.7	54.7	82.2	-27.5	Peak	Horizontal
127.0	16.5	16.3	32.8	82.2	-49.4	Peak	Vertical
168.2	18.7	16.3	35.0	82.2	-47.2	Peak	Vertical
5309.5	41.5	3.7	45.2	82.2	-37.0	Peak	Vertical
7587.5	38.9	11.8	50.7	82.2	-31.5	Peak	Vertical
Top Channel (2640.0MHz)							
119.7	16.5	17.0	33.5	82.2	-48.7	Peak	Horizontal
169.2	18.2	16.3	34.5	82.2	-47.7	Peak	Horizontal
5046.0	41.5	3.6	45.1	82.2	-37.1	Peak	Horizontal
9092.0	39.2	13.8	53.0	82.2	-29.2	Peak	Horizontal
125.5	16.6	16.4	33.0	82.2	-49.2	Peak	Vertical
169.2	19.0	16.3	35.3	82.2	-46.9	Peak	Vertical
5828.0	41.3	5.1	46.4	82.2	-35.8	Peak	Vertical
9398.0	40.1	13.7	53.8	82.2	-28.4	Peak	Vertical

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

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

Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/30
Test Item	External Antenna, 5G NR Band n41_16QAM, BW = 100MHz		

Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2546.0MHz)							
5692.0	42.5	4.6	47.1	82.2	-35.1	Peak	Horizontal
10715.5	38.1	17.2	55.3	82.2	-26.9	Peak	Horizontal
182.8	19.9	17.7	37.6	82.2	-44.6	Peak	Horizontal
309.4	13.1	21.8	34.9	82.2	-47.3	Peak	Horizontal
8208.0	39.3	12.3	51.6	82.2	-30.6	Peak	Vertical
10860.0	38.4	17.4	55.8	82.2	-26.4	Peak	Vertical
131.4	16.2	15.9	32.1	82.2	-50.1	Peak	Vertical
168.2	20.3	16.3	36.6	82.2	-45.6	Peak	Vertical
Middle Channel (2593.0MHz)							
8123.0	38.6	12.3	50.9	82.2	-31.3	Peak	Horizontal
10188.5	39.1	15.9	55.0	82.2	-27.2	Peak	Horizontal
194.9	18.9	18.8	37.7	82.2	-44.5	Peak	Horizontal
311.8	11.9	21.9	33.8	82.2	-48.4	Peak	Horizontal
8701.0	39.1	13.0	52.1	82.2	-30.1	Peak	Vertical
9687.0	39.3	14.2	53.5	82.2	-28.7	Peak	Vertical
131.4	16.3	15.9	32.2	82.2	-50.0	Peak	Vertical
169.7	21.1	16.3	37.4	82.2	-44.8	Peak	Vertical
Top Channel (2640.0MHz)							
9432.0	39.5	13.6	53.1	82.2	-29.1	Peak	Horizontal
14328.0	36.1	20.8	56.9	82.2	-25.3	Peak	Horizontal
182.3	21.5	17.6	39.1	82.2	-43.1	Peak	Horizontal
307.9	12.1	21.7	33.8	82.2	-48.4	Peak	Horizontal
10486.0	37.4	16.8	54.2	82.2	-28.0	Peak	Vertical
14370.5	35.3	20.8	56.1	82.2	-26.1	Peak	Vertical
126.0	15.6	16.4	32.0	82.2	-50.2	Peak	Vertical
169.7	21.4	16.3	37.7	82.2	-44.5	Peak	Vertical

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

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



Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/30
Test Item	External Antenna, 5G NR Band n41_64QAM, BW = 100MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2546.0MHz)							
7604.5	39.7	11.8	51.5	82.2	-30.7	Peak	Horizontal
10384.0	39.4	16.5	55.9	82.2	-26.3	Peak	Horizontal
124.6	15.8	16.5	32.3	82.2	-49.9	Peak	Horizontal
194.9	19.2	18.8	38.0	82.2	-44.2	Peak	Horizontal
8063.5	38.9	12.3	51.2	82.2	-31.0	Peak	Vertical
11208.5	37.7	17.8	55.5	82.2	-26.7	Peak	Vertical
131.9	16.4	15.9	32.3	82.2	-49.9	Peak	Vertical
174.0	20.7	16.7	37.4	82.2	-44.8	Peak	Vertical
Middle Channel (2593.0MHz)							
8369.5	38.5	12.4	50.9	82.2	-31.3	Peak	Horizontal
11489.0	37.2	18.0	55.2	82.2	-27.0	Peak	Horizontal
182.3	20.3	17.6	37.9	82.2	-44.3	Peak	Horizontal
307.4	12.1	21.7	33.8	82.2	-48.4	Peak	Horizontal
7562.0	37.8	11.8	49.6	82.2	-32.6	Peak	Vertical
10834.5	37.3	17.3	54.6	82.2	-27.6	Peak	Vertical
131.9	16.9	15.9	32.8	82.2	-49.4	Peak	Vertical
169.7	21.0	16.3	37.3	82.2	-44.9	Peak	Vertical
Top Channel (2640.0MHz)							
12560.0	37.2	18.0	55.2	82.2	-27.0	Peak	Horizontal
14489.5	36.2	20.7	56.9	82.2	-25.3	Peak	Horizontal
122.2	16.6	16.7	33.3	82.2	-48.9	Peak	Horizontal
182.8	20.2	17.7	37.9	82.2	-44.3	Peak	Horizontal
10401.0	38.0	16.6	54.6	82.2	-27.6	Peak	Vertical
14294.0	36.2	20.8	57.0	82.2	-25.2	Peak	Vertical
129.4	15.8	16.0	31.8	82.2	-50.4	Peak	Vertical
169.7	21.2	16.3	37.5	82.2	-44.7	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/30
Test Item	External Antenna, 5G NR Band n41_256QAM, BW = 100MHz		

Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2546.0MHz)							
7570.5	40.7	11.8	52.5	82.2	-29.7	Peak	Horizontal
9908.0	39.3	15.0	54.3	82.2	-27.9	Peak	Horizontal
181.8	19.9	17.5	37.4	82.2	-44.8	Peak	Horizontal
310.3	12.4	21.8	34.2	82.2	-48.0	Peak	Horizontal
8012.5	38.9	12.2	51.1	82.2	-31.1	Peak	Vertical
10868.5	38.8	17.4	56.2	82.2	-26.0	Peak	Vertical
130.4	16.1	16.0	32.1	82.2	-50.1	Peak	Vertical
174.5	20.3	16.8	37.1	82.2	-45.1	Peak	Vertical
Middle Channel (2593.0MHz)							
10545.5	38.0	16.9	54.9	82.2	-27.3	Peak	Horizontal
14311.0	36.3	20.8	57.1	82.2	-25.1	Peak	Horizontal
182.3	20.2	17.6	37.8	82.2	-44.4	Peak	Horizontal
306.9	12.5	21.7	34.2	82.2	-48.0	Peak	Horizontal
10996.0	37.9	17.6	55.5	82.2	-26.7	Peak	Vertical
14481.0	36.4	20.7	57.1	82.2	-25.1	Peak	Vertical
131.4	16.4	15.9	32.3	82.2	-49.9	Peak	Vertical
169.7	22.0	16.3	38.3	82.2	-43.9	Peak	Vertical
Top Channel (2640.0MHz)							
8004.0	39.6	12.2	51.8	82.2	-30.4	Peak	Horizontal
10741.0	37.7	17.2	54.9	82.2	-27.3	Peak	Horizontal
182.3	20.5	17.6	38.1	82.2	-44.1	Peak	Horizontal
369.5	10.2	23.7	33.9	82.2	-48.3	Peak	Horizontal
8106.0	38.9	12.3	51.2	82.2	-31.0	Peak	Vertical
10579.5	37.5	17.0	54.5	82.2	-27.7	Peak	Vertical
124.1	15.6	16.6	32.2	82.2	-50.0	Peak	Vertical
168.7	20.7	16.3	37.0	82.2	-45.2	Peak	Vertical

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

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

Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/29
Test Item	External Antenna, 5G NR Band n41_QPSK, BW = 60MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2526.0MHz)							
120.7	16.9	16.9	33.8	82.2	-48.4	PK	Horizontal
169.2	17.2	16.3	33.5	82.2	-48.7	PK	Horizontal
6329.5	41.5	7.0	48.5	82.2	-33.7	PK	Horizontal
11404.0	38.8	18.0	56.8	82.2	-25.4	PK	Horizontal
127.5	16.9	16.2	33.1	82.2	-49.1	PK	Vertical
168.7	19.5	16.3	35.8	82.2	-46.4	PK	Vertical
5930.0	41.4	5.5	46.9	82.2	-35.3	PK	Vertical
8148.5	39.5	12.3	51.8	82.2	-30.4	PK	Vertical
Middle Channel (2593.0MHz)							
125.1	17.8	16.5	34.3	82.2	-47.9	PK	Horizontal
168.2	17.2	16.3	33.5	82.2	-48.7	PK	Horizontal
8021.0	37.9	12.2	50.1	82.2	-32.1	PK	Horizontal
9092.0	38.3	13.8	52.1	82.2	-30.1	PK	Horizontal
161.9	19.2	16.2	35.4	82.2	-46.8	PK	Vertical
169.2	18.9	16.3	35.2	82.2	-47.0	PK	Vertical
8233.5	37.8	12.3	50.1	82.2	-32.1	PK	Vertical
9423.5	39.8	13.6	53.4	82.2	-28.8	PK	Vertical
Top Channel (2660.0MHz)							
115.8	15.8	17.7	33.5	82.2	-48.7	PK	Horizontal
169.7	17.1	16.3	33.4	82.2	-48.8	PK	Horizontal
8029.5	37.8	12.2	50.0	82.2	-32.2	PK	Horizontal
9423.5	39.3	13.6	52.9	82.2	-29.3	PK	Horizontal
123.1	16.5	16.6	33.1	82.2	-49.1	PK	Vertical
161.9	19.2	16.2	35.4	82.2	-46.8	PK	Vertical
8114.5	37.7	12.3	50.0	82.2	-32.2	PK	Vertical
10945.0	38.0	17.5	55.5	82.2	-26.7	PK	Vertical

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

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



Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/29
Test Item	External Antenna, 5G NR Band n41_16QAM, BW = 60MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2526.0MHz)							
7587.5	38.8	11.8	50.6	82.2	-31.6	PK	Horizontal
11446.5	37.4	18.0	55.4	82.2	-26.8	PK	Horizontal
181.8	20.2	17.5	37.7	82.2	-44.5	PK	Horizontal
308.4	13.2	21.7	34.9	82.2	-47.3	PK	Horizontal
11735.5	37.3	17.9	55.2	82.2	-27.0	PK	Vertical
14294.0	36.8	20.8	57.6	82.2	-24.6	PK	Vertical
130.9	16.3	15.9	32.2	82.2	-50.0	PK	Vertical
175.0	20.4	16.8	37.2	82.2	-45.0	PK	Vertical
Middle Channel (2593.0MHz)							
8106.0	38.9	12.3	51.2	82.2	-31.0	PK	Horizontal
10970.5	37.4	17.5	54.9	82.2	-27.3	PK	Horizontal
196.4	19.7	18.9	38.6	82.2	-43.6	PK	Horizontal
326.3	10.8	22.5	33.3	82.2	-48.9	PK	Horizontal
7315.5	38.1	11.3	49.4	82.2	-32.8	PK	Vertical
9296.0	39.4	13.7	53.1	82.2	-29.1	PK	Vertical
125.1	15.8	16.5	32.3	82.2	-49.9	PK	Vertical
170.2	20.8	16.4	37.2	82.2	-45.0	PK	Vertical
Top Channel (2660.0MHz)							
10945.0	37.2	17.5	54.7	82.2	-27.5	PK	Horizontal
13520.5	35.3	20.5	55.8	82.2	-26.4	PK	Horizontal
182.3	20.3	17.6	37.9	82.2	-44.3	PK	Horizontal
308.9	11.7	21.8	33.5	82.2	-48.7	PK	Horizontal
8046.5	39.5	12.3	51.8	82.2	-30.4	PK	Vertical
10953.5	37.7	17.5	55.2	82.2	-27.0	PK	Vertical
129.9	16.1	16.0	32.1	82.2	-50.1	PK	Vertical
170.2	21.3	16.4	37.7	82.2	-44.5	PK	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)



Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/29
Test Item	External Antenna, 5G NR Band n41_64QAM, BW = 60MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2526.0MHz)							
7528.0	39.2	11.7	50.9	82.2	-31.3	PK	Horizontal
11480.5	37.6	18.0	55.6	82.2	-26.6	PK	Horizontal
194.9	19.3	18.8	38.1	82.2	-44.1	PK	Horizontal
311.3	11.7	21.9	33.6	82.2	-48.6	PK	Horizontal
7859.5	38.3	12.1	50.4	82.2	-31.8	PK	Vertical
14464.0	36.3	20.7	57.0	82.2	-25.2	PK	Vertical
130.9	15.6	15.9	31.5	82.2	-50.7	PK	Vertical
168.7	20.2	16.3	36.5	82.2	-45.7	PK	Vertical
Middle Channel (2593.0MHz)							
7256.0	38.3	11.2	49.5	82.2	-32.7	PK	Horizontal
9423.5	39.8	13.6	53.4	82.2	-28.8	PK	Horizontal
195.9	19.2	18.9	38.1	82.2	-44.1	PK	Horizontal
309.8	11.7	21.8	33.5	82.2	-48.7	PK	Horizontal
8114.5	38.7	12.3	51.0	82.2	-31.2	PK	Vertical
10554.0	37.5	16.9	54.4	82.2	-27.8	PK	Vertical
130.9	16.3	15.9	32.2	82.2	-50.0	PK	Vertical
169.7	20.6	16.3	36.9	82.2	-45.3	PK	Vertical
Top Channel (2660.0MHz)							
8854.0	38.6	13.4	52.0	82.2	-30.2	PK	Horizontal
11438.0	37.3	18.0	55.3	82.2	-26.9	PK	Horizontal
198.3	18.9	18.9	37.8	82.2	-44.4	PK	Horizontal
331.7	9.2	22.7	31.9	82.2	-50.3	PK	Horizontal
9721.0	40.2	14.3	54.5	82.2	-27.7	PK	Vertical
11132.0	37.8	17.7	55.5	82.2	-26.7	PK	Vertical
130.9	16.1	15.9	32.0	82.2	-50.2	PK	Vertical
176.0	20.7	16.9	37.6	82.2	-44.6	PK	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Peter Xu
Test Site	AC1	Test Date	2019/11/29
Test Item	External Antenna, 5G NR Band n41_256QAM, BW = 60MHz		

Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2526.0MHz)							
7570.5	39.6	11.8	51.4	82.2	-30.8	PK	Horizontal
13486.5	35.6	20.4	56.0	82.2	-26.2	PK	Horizontal
182.3	20.0	17.6	37.6	82.2	-44.6	PK	Horizontal
306.9	12.1	21.7	33.8	82.2	-48.4	PK	Horizontal
7256.0	38.9	11.2	50.1	82.2	-32.1	PK	Vertical
10868.5	38.0	17.4	55.4	82.2	-26.8	PK	Vertical
131.4	15.9	15.9	31.8	82.2	-50.4	PK	Vertical
169.2	20.9	16.3	37.2	82.2	-45.0	PK	Vertical
Middle Channel (2593.0MHz)							
8913.5	38.6	13.6	52.2	82.2	-30.0	PK	Horizontal
10894.0	37.6	17.4	55.0	82.2	-27.2	PK	Horizontal
182.3	20.2	17.6	37.8	82.2	-44.4	PK	Horizontal
309.8	12.0	21.8	33.8	82.2	-48.4	PK	Horizontal
9228.0	38.6	13.7	52.3	82.2	-29.9	PK	Vertical
10970.5	37.2	17.5	54.7	82.2	-27.5	PK	Vertical
132.3	16.2	15.9	32.1	82.2	-50.1	PK	Vertical
170.2	20.8	16.4	37.2	82.2	-45.0	PK	Vertical
Top Channel (2660.0MHz)							
10418.0	38.3	16.6	54.9	82.2	-27.3	PK	Horizontal
13605.5	36.0	20.6	56.6	82.2	-25.6	PK	Horizontal
195.9	18.7	18.9	37.6	82.2	-44.6	PK	Horizontal
303.1	12.9	21.5	34.4	82.2	-47.8	PK	Horizontal
7409.0	39.2	11.5	50.7	82.2	-31.5	PK	Vertical
11506.0	37.7	18.0	55.7	82.2	-26.5	PK	Vertical
131.4	16.3	15.9	32.2	82.2	-50.0	PK	Vertical
169.7	21.2	16.3	37.5	82.2	-44.7	PK	Vertical

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

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

7. CONCLUSION

The data collected relate only the item(s) tested and show that the unit is compliance with FCC Rules.

————— The End —————