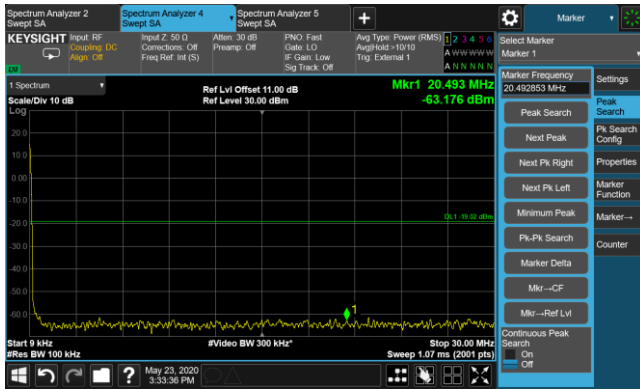


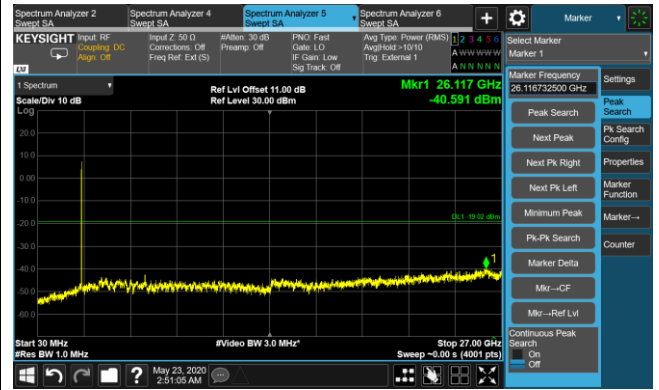
Conducted Spurious Emissions - Ant 1 (QPSK)

Bottom Channel

9kHz ~ 30MHz

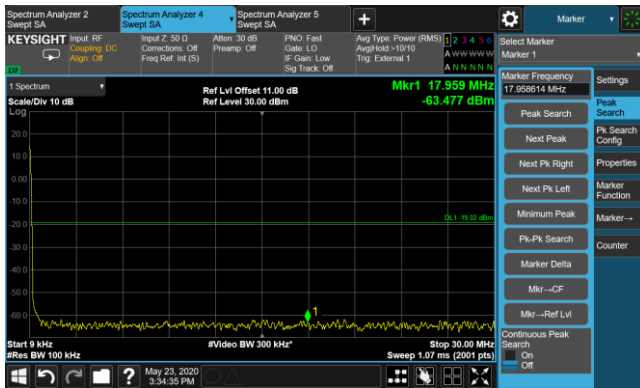


30MHz ~ 27.0GHz

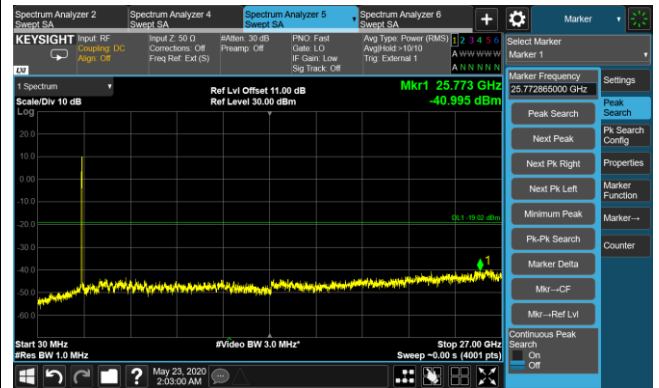


Middle Channel

9kHz ~ 30MHz

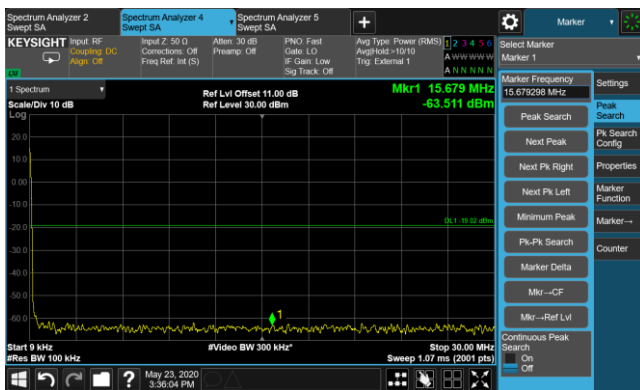


30MHz ~ 27.0GHz

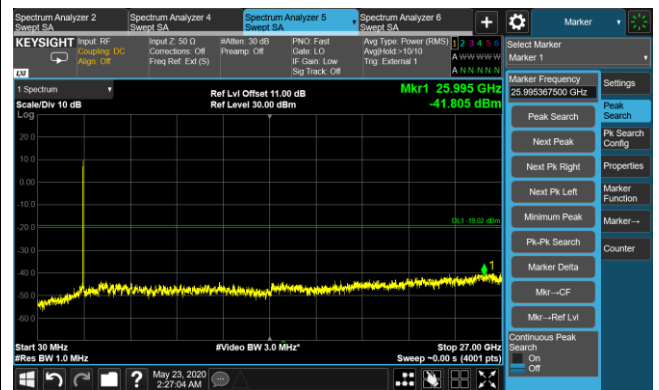


Top Channel

9kHz ~ 30MHz



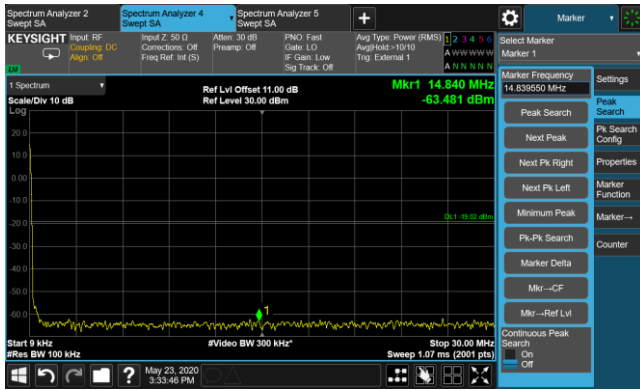
30MHz ~ 27.0GHz



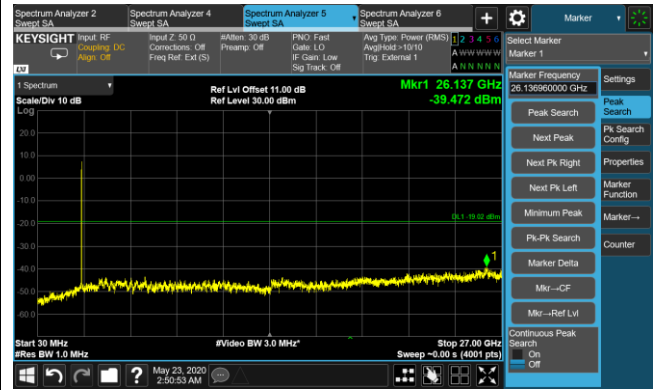
Conducted Spurious Emissions - Ant 2 (QPSK)

Bottom Channel

9kHz ~ 30MHz

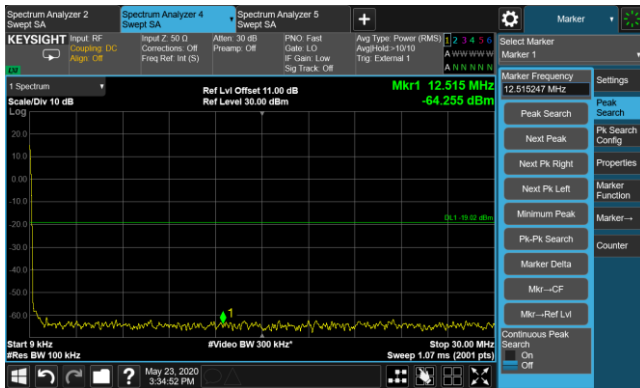


30MHz ~ 27.0GHz

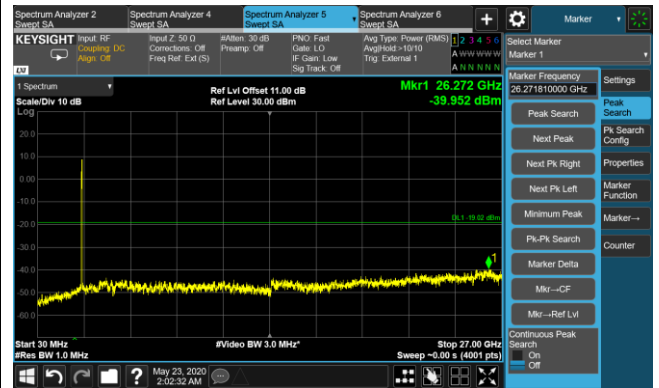


Middle Channel

9kHz ~ 30MHz

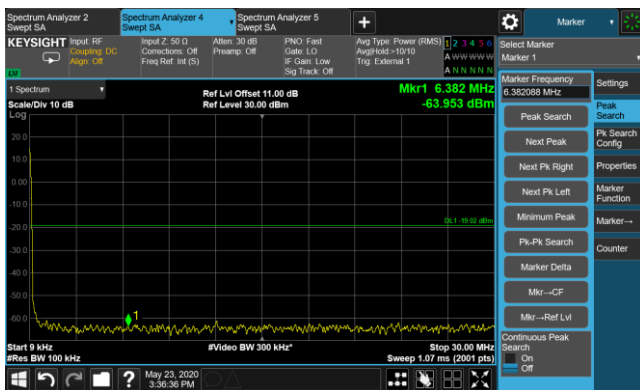


30MHz ~ 27.0GHz

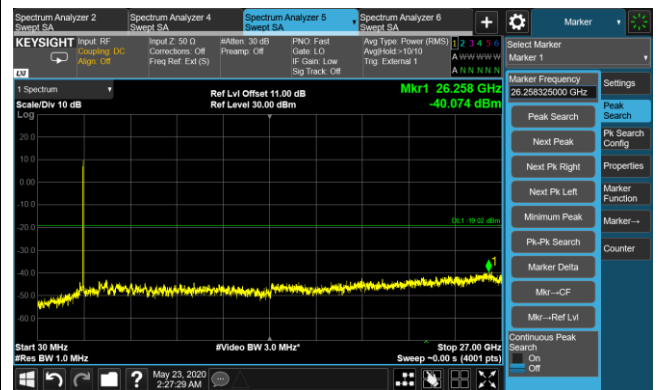


Top Channel

9kHz ~ 30MHz



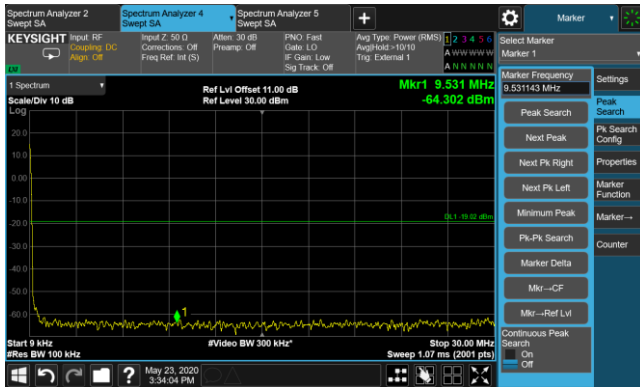
30MHz ~ 27.0GHz



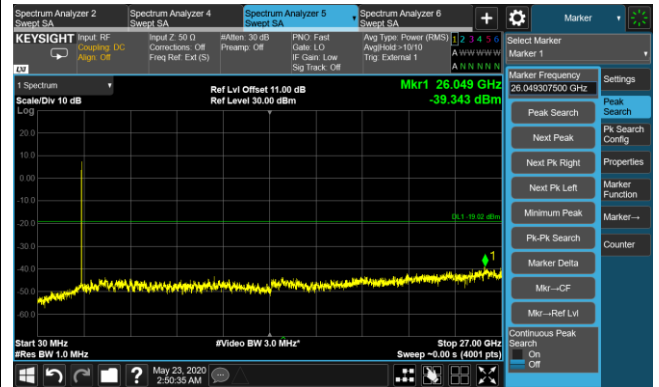
Conducted Spurious Emissions - Ant 3 (QPSK)

Bottom Channel

9kHz ~ 30MHz

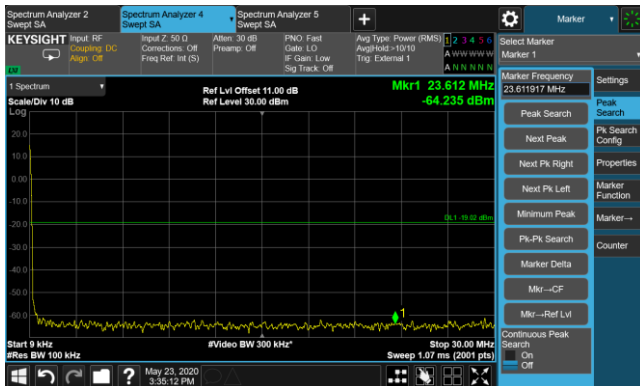


30MHz ~ 27.0GHz

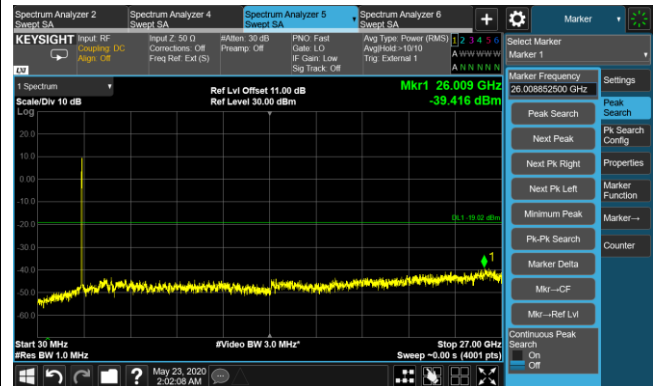


Middle Channel

9kHz ~ 30MHz

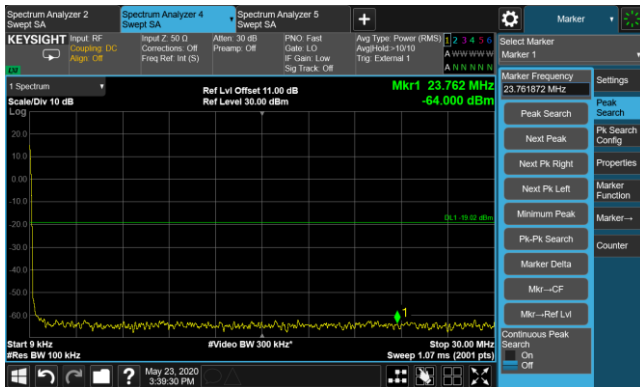


30MHz ~ 27.0GHz

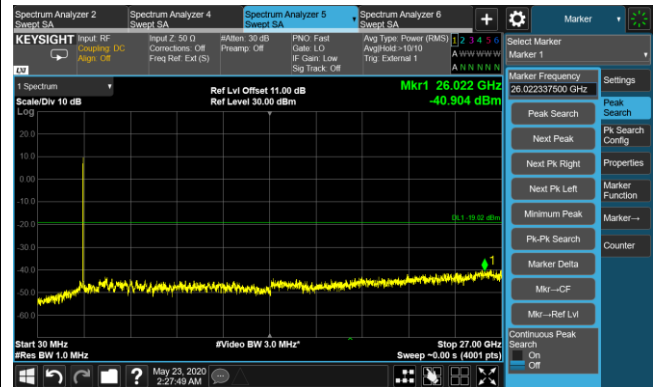


Top Channel

9kHz ~ 30MHz



30MHz ~ 27.0GHz



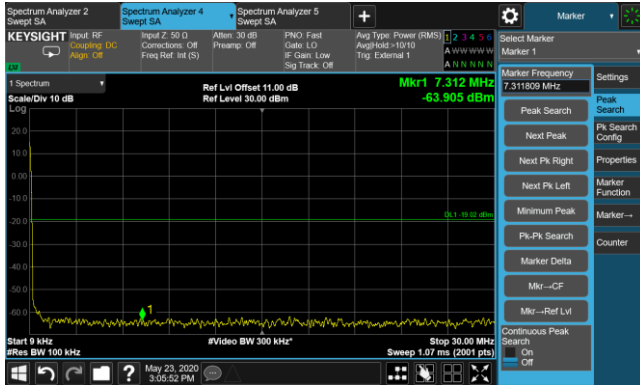
Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Larry Yan
Test Site	SR2	Test Date	2019/05/21 ~ 2019/05/22
Test Item	Conducted Spurious Emissions, 20+20+20MHz Bandwidth		

Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)				Limit (dBm)	Result
			Ant 0	Ant 1	Ant 2	Ant 3		
QPSK								
Bottom	20+20+20	0.009 ~ 30	-63.91	-64.50	-64.54	-62.70	≤ -19.02	Pass
		30 ~ 27000	-42.82	-40.59	-39.28	-38.73	≤ -19.02	Pass
Middle	20+20+20	0.009 ~ 30	-62.63	-63.56	-63.80	-64.66	≤ -19.02	Pass
		30 ~ 27000	-38.72	-39.21	-39.30	-39.95	≤ -19.02	Pass
Top	20+20+20	0.009 ~ 30	-63.19	-64.56	-63.41	-62.08	≤ -19.02	Pass
		30 ~ 27000	-38.29	-39.18	-39.27	-38.93	≤ -19.02	Pass

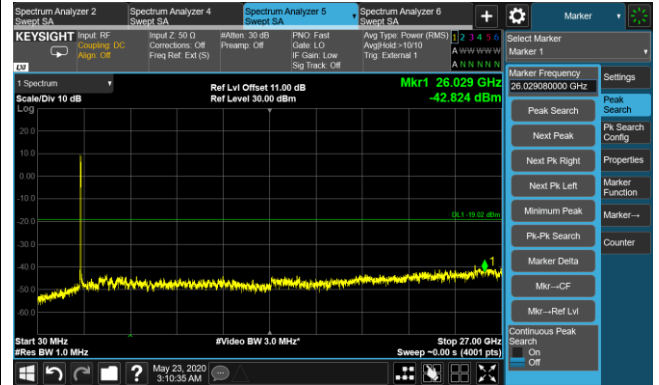
Conducted Spurious Emissions - Ant 0 (QPSK)

Bottom Channel

9kHz ~ 30MHz

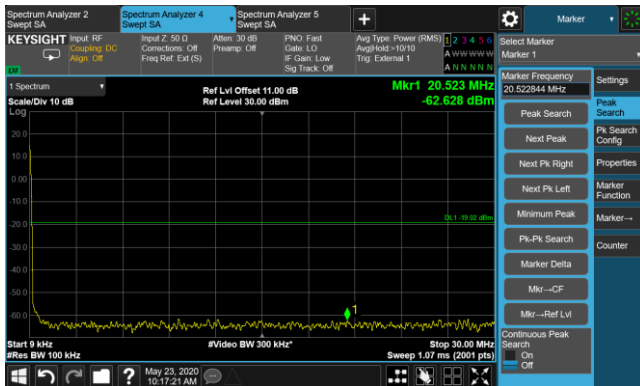


30MHz ~ 27.0GHz

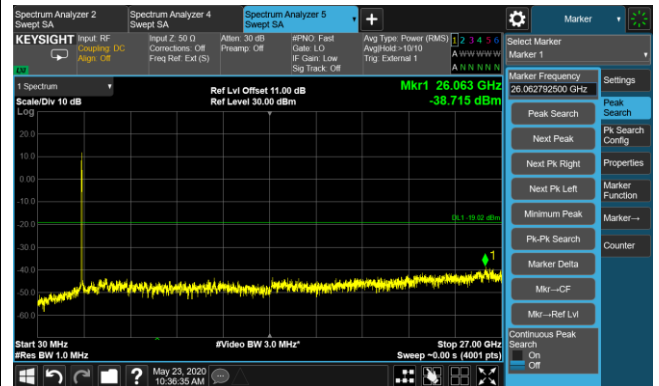


Middle Channel

9kHz ~ 30MHz

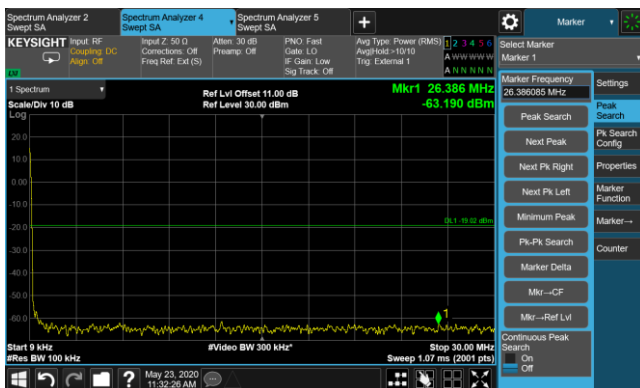


30MHz ~ 27.0GHz

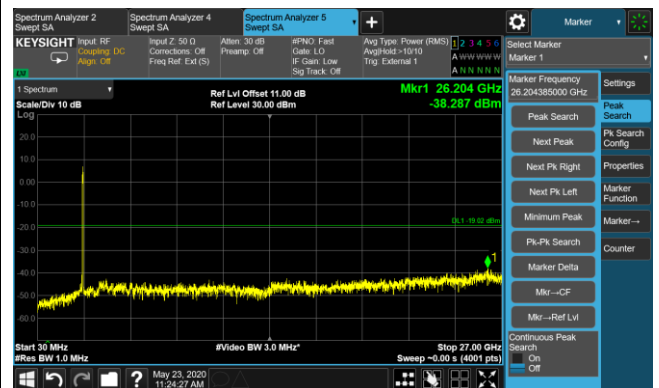


Top Channel

9kHz ~ 30MHz



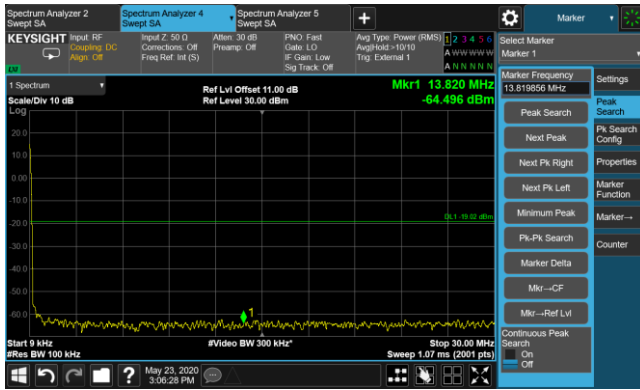
30MHz ~ 27.0GHz



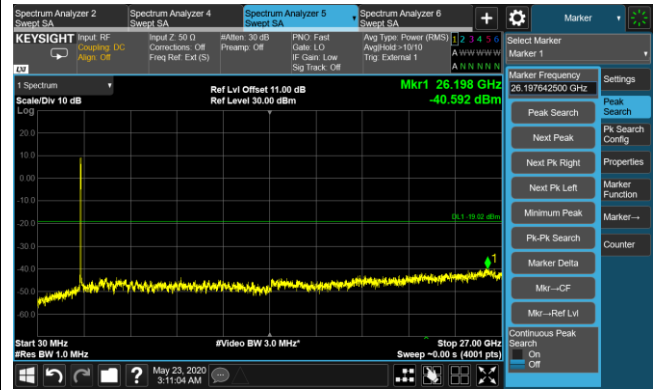
Conducted Spurious Emissions - Ant 1 (QPSK)

Bottom Channel

9kHz ~ 30MHz

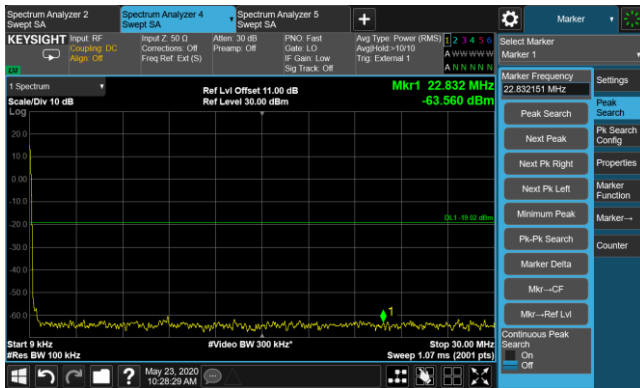


30MHz ~ 27.0GHz

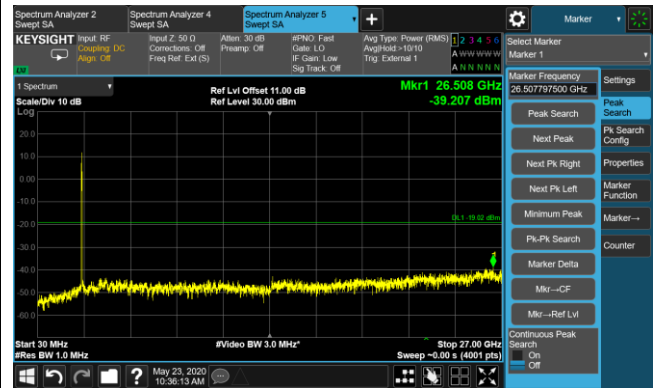


Middle Channel

9kHz ~ 30MHz

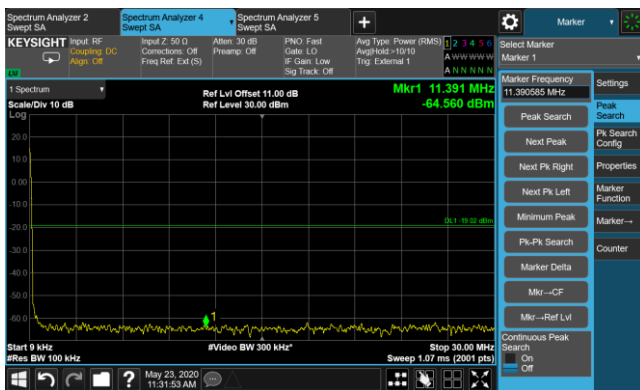


30MHz ~ 27.0GHz

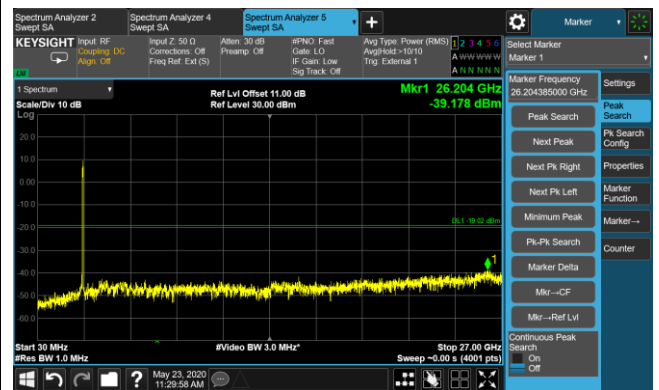


Top Channel

9kHz ~ 30MHz



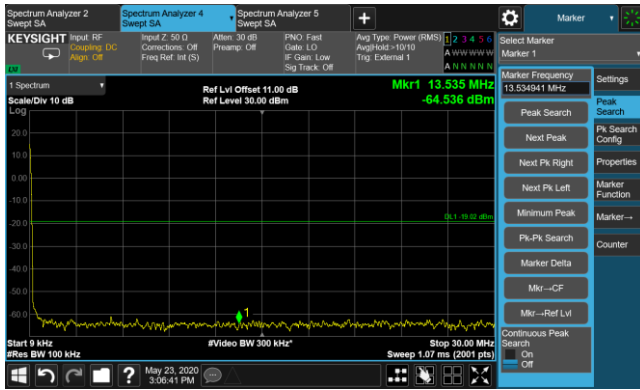
30MHz ~ 27.0GHz



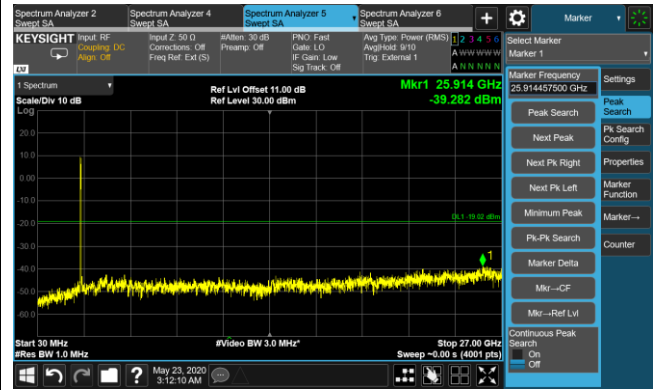
Conducted Spurious Emissions - Ant 2 (QPSK)

Bottom Channel

9kHz ~ 30MHz

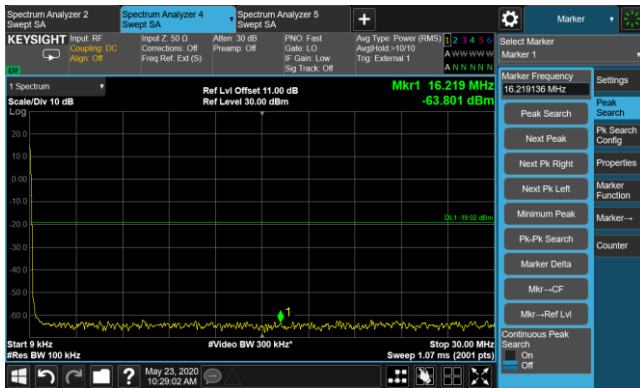


30MHz ~ 27.0GHz

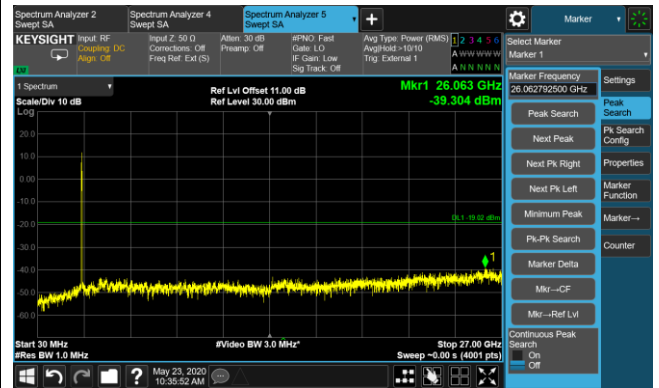


Middle Channel

9kHz ~ 30MHz

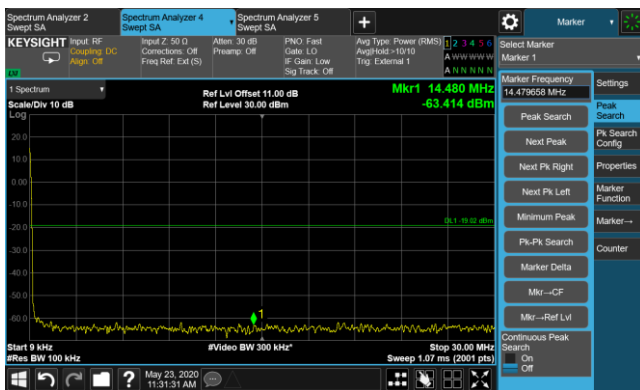


30MHz ~ 27.0GHz

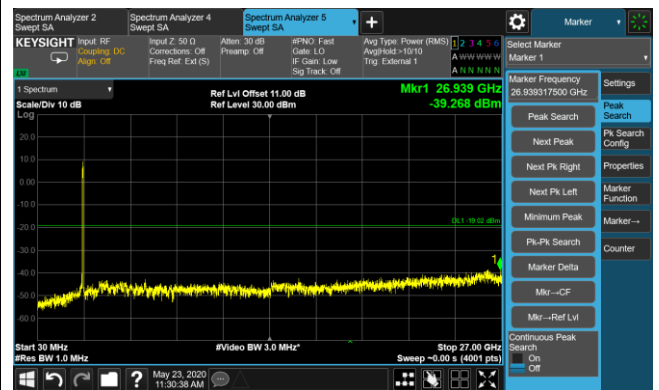


Top Channel

9kHz ~ 30MHz



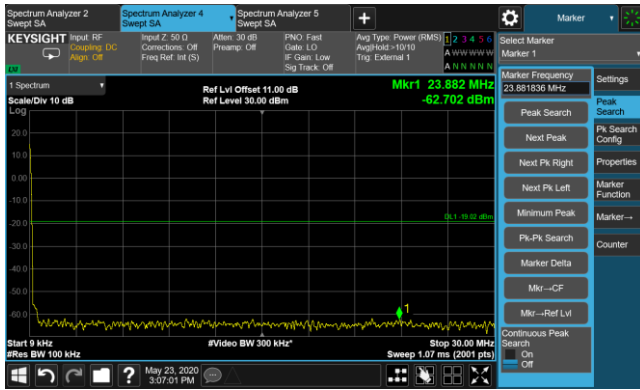
30MHz ~ 27.0GHz



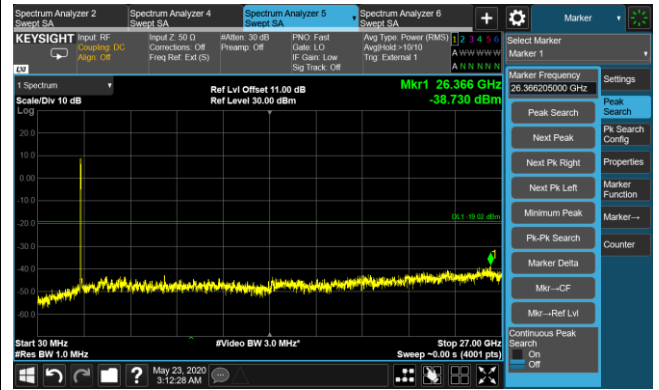
Conducted Spurious Emissions - Ant 3 (QPSK)

Bottom Channel

9kHz ~ 30MHz

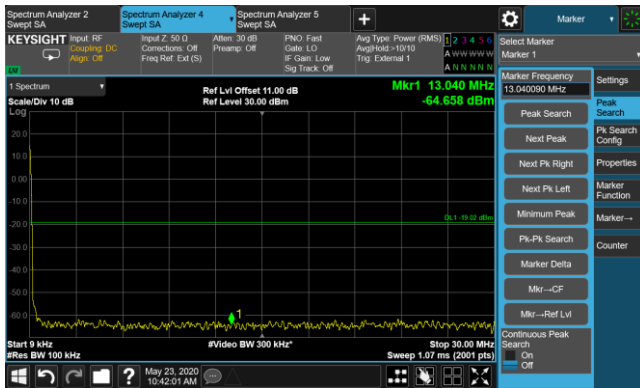


30MHz ~ 27.0GHz

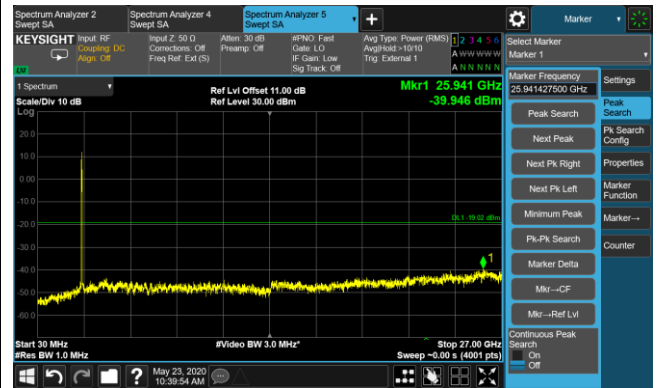


Middle Channel

9kHz ~ 30MHz

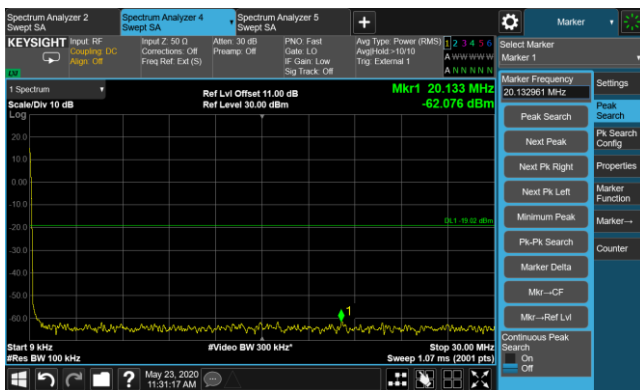


30MHz ~ 27.0GHz

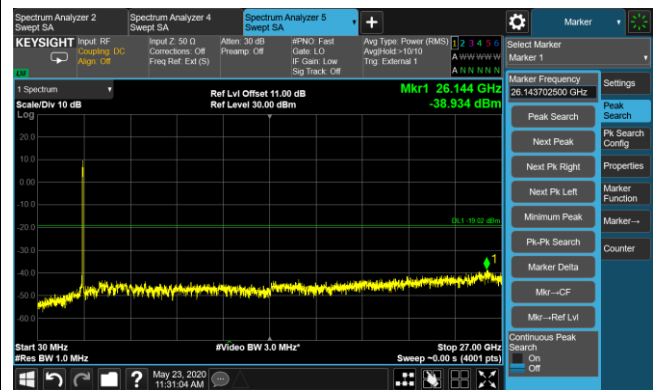


Top Channel

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

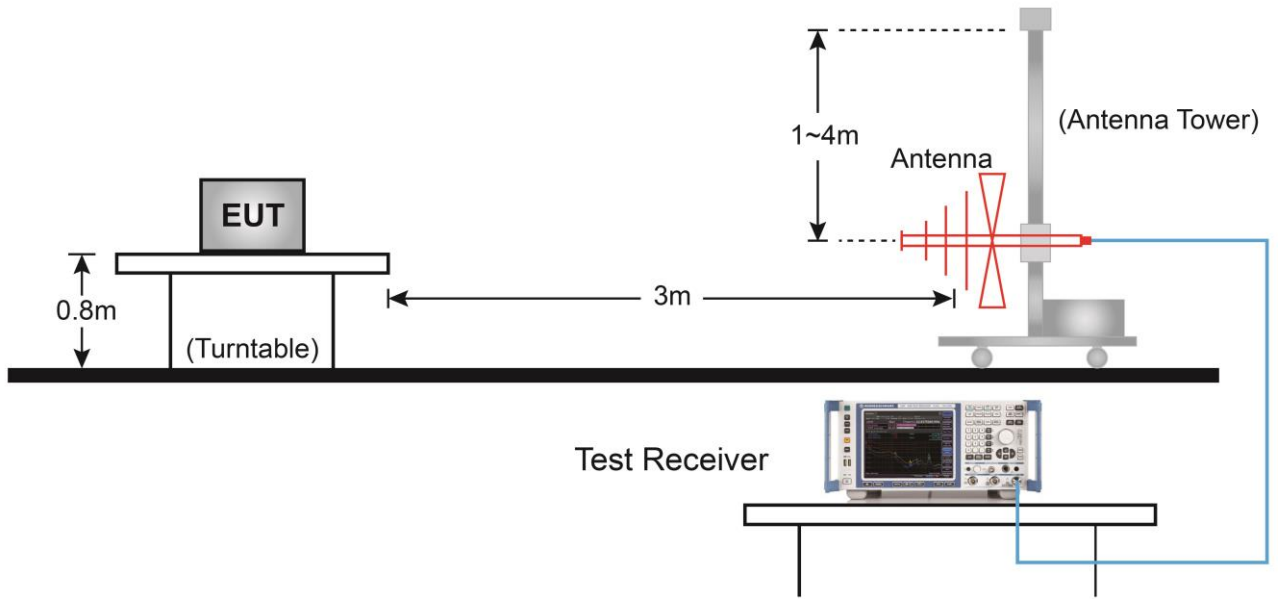
ANSI C63.26-2015 - Section 5.2.7 & 5.5

6.8.3. Test Setting

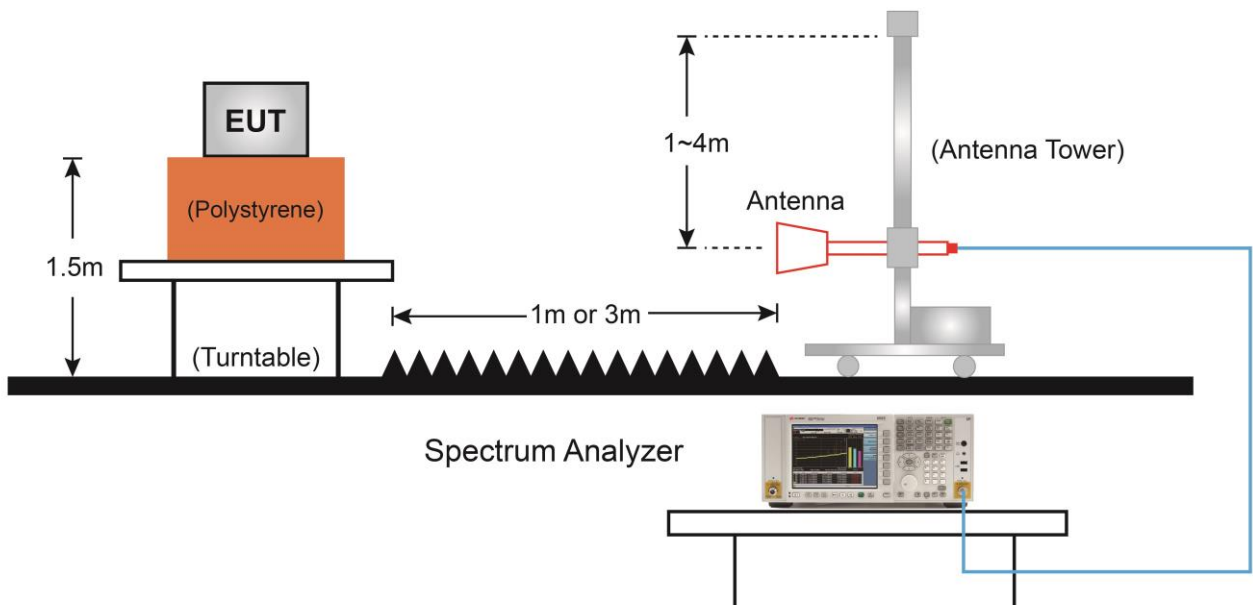
1. RBW = 100kHz or 1MHz
2. VBW \geq 3*RBW
3. Sweep time \geq 10 \times (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_QPSK, BW = 20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0MHz)							
125.06	17.13	16.46	33.59	82.20	-48.61	Peak	Horizontal
186.66	14.74	18.24	32.98	82.20	-49.22	Peak	Horizontal
7536.50	42.26	11.78	54.04	82.20	-28.16	Peak	Horizontal
11089.50	35.44	17.90	53.34	82.20	-28.86	Peak	Horizontal
148.83	17.39	15.73	33.12	82.20	-49.08	Peak	Vertical
322.94	10.68	22.33	33.01	82.20	-49.19	Peak	Vertical
7536.50	42.00	11.78	53.78	82.20	-28.42	Peak	Vertical
10868.50	35.49	17.59	53.08	82.20	-29.12	Peak	Vertical
Middle Channel (2595.0MHz)							
123.61	17.72	16.60	34.32	82.20	-47.88	Peak	Horizontal
193.45	13.51	18.80	32.31	82.20	-49.89	Peak	Horizontal
8012.50	35.78	12.53	48.31	82.20	-33.89	Peak	Horizontal
11285.00	34.98	18.16	53.14	82.20	-29.06	Peak	Horizontal
128.94	15.77	16.09	31.86	82.20	-50.34	Peak	Vertical
195.87	13.03	18.85	31.88	82.20	-50.32	Peak	Vertical
7961.50	36.70	12.47	49.17	82.20	-33.03	Peak	Vertical
10919.50	35.64	17.67	53.31	82.20	-28.89	Peak	Vertical
Top Channel (2680.0MHz)							
125.55	18.46	16.41	34.87	82.20	-47.33	Peak	Horizontal
187.14	13.57	18.31	31.88	82.20	-50.32	Peak	Horizontal
8012.50	36.35	12.53	48.88	82.20	-33.32	Peak	Horizontal
10970.50	35.85	17.74	53.59	82.20	-28.61	Peak	Horizontal
131.85	16.06	15.88	31.94	82.20	-50.26	Peak	Vertical
196.84	13.03	18.88	31.91	82.20	-50.29	Peak	Vertical
8089.00	36.48	12.52	49.00	82.20	-33.20	Peak	Vertical
10936.50	36.28	17.69	53.97	82.20	-28.23	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_16QAM, BW = 20MHz		

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 (2506.0MHz)							
124.09	8.58	25.26	33.84	82.20	-48.36	Peak	Horizontal
188.60	5.49	25.51	31.00	82.20	-51.20	Peak	Horizontal
8055.00	35.94	12.52	48.46	82.20	-33.74	Peak	Horizontal
11242.50	34.24	18.11	52.35	82.20	-29.85	Peak	Horizontal
131.37	16.61	15.91	32.52	82.20	-49.68	Peak	Vertical
197.81	13.37	18.90	32.27	82.20	-49.93	Peak	Vertical
8089.00	35.98	12.52	48.50	82.20	-33.70	Peak	Vertical
11446.50	34.30	18.38	52.68	82.20	-29.52	Peak	Vertical
Middle Channel (2595.0MHz)							
123.61	17.80	16.60	34.40	82.20	-47.80	Peak	Horizontal
190.54	13.73	18.73	32.46	82.20	-49.74	Peak	Horizontal
8072.00	36.46	12.52	48.98	82.20	-33.22	Peak	Horizontal
10851.50	35.42	17.57	52.99	82.20	-29.21	Peak	Horizontal
130.40	16.51	15.97	32.48	82.20	-49.72	Peak	Vertical
316.64	8.78	22.08	30.86	82.20	-51.34	Peak	Vertical
8055.00	36.16	12.52	48.68	82.20	-33.52	Peak	Vertical
10860.00	35.11	17.58	52.69	82.20	-29.51	Peak	Vertical
Top Channel (2680.0MHz)							
125.55	17.60	16.41	34.01	82.20	-48.19	Peak	Horizontal
191.51	13.22	18.75	31.97	82.20	-50.23	Peak	Horizontal
8743.50	36.91	13.05	49.96	82.20	-32.24	Peak	Horizontal
10953.50	35.59	17.71	53.30	82.20	-28.90	Peak	Horizontal
129.43	15.55	16.04	31.59	82.20	-50.61	Peak	Vertical
197.33	12.13	18.89	31.02	82.20	-51.18	Peak	Vertical
7978.50	36.87	12.49	49.36	82.20	-32.84	Peak	Vertical
10919.50	35.35	17.67	53.02	82.20	-29.18	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_64QAM, BW = 20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0MHz)							
120.70	16.96	16.88	33.84	82.20	-48.36	Peak	Horizontal
191.99	12.80	18.76	31.56	82.20	-50.64	Peak	Horizontal
8063.50	36.85	12.52	49.37	82.20	-32.83	Peak	Horizontal
11412.50	34.78	18.33	53.11	82.20	-29.09	Peak	Horizontal
149.80	14.70	15.77	30.47	82.20	-51.73	Peak	Vertical
226.91	8.33	19.61	27.94	82.20	-54.26	Peak	Vertical
7936.00	36.85	12.43	49.28	82.20	-32.92	Peak	Vertical
11497.50	35.28	18.44	53.72	82.20	-28.48	Peak	Vertical
Middle Channel (2595.0MHz)							
123.61	17.80	16.60	34.40	82.20	-47.80	Peak	Horizontal
190.54	13.73	18.73	32.46	82.20	-49.74	Peak	Horizontal
8072.00	36.46	12.52	48.98	82.20	-33.22	Peak	Horizontal
10851.50	35.42	17.57	52.99	82.20	-29.21	Peak	Horizontal
130.40	16.51	15.97	32.48	82.20	-49.72	Peak	Vertical
316.64	8.78	22.08	30.86	82.20	-51.34	Peak	Vertical
8055.00	36.16	12.52	48.68	82.20	-33.52	Peak	Vertical
10860.00	35.11	17.58	52.69	82.20	-29.51	Peak	Vertical
Top Channel (2680.0MHz)							
131.85	18.31	15.88	34.19	82.20	-48.01	Peak	Horizontal
193.93	13.03	18.81	31.84	82.20	-50.36	Peak	Horizontal
8029.50	36.89	12.53	49.42	82.20	-32.78	Peak	Horizontal
11523.00	35.07	18.42	53.49	82.20	-28.71	Peak	Horizontal
131.85	18.31	15.88	34.19	82.20	-48.01	Peak	Vertical
320.03	9.01	22.21	31.22	82.20	-50.98	Peak	Vertical
8684.00	36.66	12.91	49.57	82.20	-32.63	Peak	Vertical
10953.50	35.25	17.71	52.96	82.20	-29.24	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_256QAM, BW = 20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0MHz)							
123.61	17.72	16.60	34.32	82.20	-47.88	Peak	Horizontal
193.45	13.51	18.80	32.31	82.20	-49.89	Peak	Horizontal
8012.50	35.78	12.53	48.31	82.20	-33.89	Peak	Horizontal
11285.00	34.98	18.16	53.14	82.20	-29.06	Peak	Horizontal
128.94	15.77	16.09	31.86	82.20	-50.34	Peak	Vertical
195.87	13.03	18.85	31.88	82.20	-50.32	Peak	Vertical
7961.50	36.70	12.47	49.17	82.20	-33.03	Peak	Vertical
10919.50	35.64	17.67	53.31	82.20	-28.89	Peak	Vertical
Middle Channel (2595.0MHz)							
123.61	17.22	16.60	33.82	82.20	-48.38	Peak	Horizontal
191.51	12.55	18.75	31.30	82.20	-50.90	Peak	Horizontal
8692.50	37.82	12.93	50.75	82.20	-31.45	Peak	Horizontal
11438.00	34.66	18.37	53.03	82.20	-29.17	Peak	Horizontal
129.43	16.56	16.04	32.60	82.20	-49.60	Peak	Vertical
320.03	9.81	22.21	32.02	82.20	-50.18	Peak	Vertical
8089.00	36.16	12.52	48.68	82.20	-33.52	Peak	Vertical
10979.00	35.45	17.75	53.20	82.20	-29.00	Peak	Vertical
Top Channel (2680.0MHz)							
131.37	17.17	15.91	33.08	82.20	-49.12	Peak	Horizontal
186.17	13.14	18.17	31.31	82.20	-50.89	Peak	Horizontal
8114.50	35.83	12.51	48.34	82.20	-33.86	Peak	Horizontal
10571.00	35.96	17.17	53.13	82.20	-29.07	Peak	Horizontal
128.94	16.60	16.09	32.69	82.20	-49.51	Peak	Vertical
318.58	9.92	22.15	32.07	82.20	-50.13	Peak	Vertical
8106.00	36.54	12.51	49.05	82.20	-33.15	Peak	Vertical
10630.50	35.85	17.26	53.11	82.20	-29.09	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_QPSK, BW = 20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0MHz)							
124.09	17.50	16.55	34.05	82.20	-48.15	Peak	Horizontal
194.42	12.57	18.82	31.39	82.20	-50.81	Peak	Horizontal
8063.50	36.51	12.52	49.03	82.20	-33.17	Peak	Horizontal
11489.00	34.21	18.44	52.65	82.20	-29.55	Peak	Horizontal
123.12	14.33	16.65	30.98	82.20	-51.22	Peak	Vertical
221.58	11.20	19.16	30.36	82.20	-51.84	Peak	Vertical
8692.50	37.33	12.93	50.26	82.20	-31.94	Peak	Vertical
10877.00	36.66	17.61	54.27	82.20	-27.93	Peak	Vertical
Middle Channel (2585.0+2605.0MHz)							
125.55	18.04	16.41	34.45	82.20	-47.75	Peak	Horizontal
193.45	12.71	18.80	31.51	82.20	-50.69	Peak	Horizontal
7961.50	36.29	12.47	48.76	82.20	-33.44	Peak	Horizontal
10749.50	35.90	17.42	53.32	82.20	-28.88	Peak	Horizontal
128.94	16.70	16.09	32.79	82.20	-49.41	Peak	Vertical
321.00	9.16	22.25	31.41	82.20	-50.79	Peak	Vertical
8004.00	35.84	12.53	48.37	82.20	-33.83	Peak	Vertical
10877.00	35.46	17.61	53.07	82.20	-29.13	Peak	Vertical
Top Channel (2660.0+2680.0MHz)							
123.61	16.83	16.60	33.43	82.20	-48.77	Peak	Horizontal
193.93	12.30	18.81	31.11	82.20	-51.09	Peak	Horizontal
8063.50	36.05	12.52	48.57	82.20	-33.63	Peak	Horizontal
11098.00	35.18	17.91	53.09	82.20	-29.11	Peak	Horizontal
128.94	17.34	16.09	33.43	82.20	-48.77	Peak	Vertical
320.03	9.75	22.21	31.96	82.20	-50.24	Peak	Vertical
8097.50	37.17	12.52	49.69	82.20	-32.51	Peak	Vertical
10936.50	35.40	17.69	53.09	82.20	-29.11	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_16QAM, BW = 20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0MHz)							
125.55	17.43	16.41	33.84	82.20	-48.36	Peak	Horizontal
193.93	12.83	18.81	31.64	82.20	-50.56	Peak	Horizontal
8038.00	35.47	12.52	47.99	82.20	-34.21	Peak	Horizontal
11004.50	34.26	17.79	52.05	82.20	-30.15	Peak	Horizontal
129.91	16.93	15.99	32.92	82.20	-49.28	Peak	Vertical
318.58	9.01	22.15	31.16	82.20	-51.04	Peak	Vertical
8429.00	37.05	12.47	49.52	82.20	-32.68	Peak	Vertical
10902.50	35.63	17.64	53.27	82.20	-28.93	Peak	Vertical
Middle Channel (2585.0+2605.0MHz)							
130.40	16.94	15.97	32.91	82.20	-49.29	Peak	Horizontal
193.45	13.57	18.80	32.37	82.20	-49.83	Peak	Horizontal
8004.00	35.93	12.53	48.46	82.20	-33.74	Peak	Horizontal
10664.50	36.58	17.30	53.88	82.20	-28.32	Peak	Horizontal
129.43	17.19	16.04	33.23	82.20	-48.97	Peak	Vertical
316.15	8.96	22.06	31.02	82.20	-51.18	Peak	Vertical
7961.50	36.66	12.47	49.13	82.20	-33.07	Peak	Vertical
10630.50	36.68	17.26	53.94	82.20	-28.26	Peak	Vertical
Top Channel (2660.0+2680.0MHz)							
125.55	17.35	16.41	33.76	82.20	-48.44	Peak	Horizontal
193.45	12.57	18.80	31.37	82.20	-50.83	Peak	Horizontal
8021.00	36.34	12.53	48.87	82.20	-33.33	Peak	Horizontal
11047.00	35.96	17.84	53.80	82.20	-28.40	Peak	Horizontal
128.94	17.68	16.09	33.77	82.20	-48.43	Peak	Vertical
197.33	13.39	18.89	32.28	82.20	-49.92	Peak	Vertical
8140.00	36.97	12.51	49.48	82.20	-32.72	Peak	Vertical
10945.00	35.56	17.70	53.26	82.20	-28.94	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_64QAM, BW = 20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0MHz)							
123.12	17.40	16.65	34.05	82.20	-48.15	Peak	Horizontal
192.96	13.60	18.78	32.38	82.20	-49.82	Peak	Horizontal
7528.00	38.40	11.76	50.16	82.20	-32.04	Peak	Horizontal
10945.00	35.36	17.70	53.06	82.20	-29.14	Peak	Horizontal
128.94	16.90	16.09	32.99	82.20	-49.21	Peak	Vertical
319.06	8.96	22.17	31.13	82.20	-51.07	Peak	Vertical
7919.00	37.45	12.40	49.85	82.20	-32.35	Peak	Vertical
10936.50	34.97	17.69	52.66	82.20	-29.54	Peak	Vertical
Middle Channel (2585.0+2605.0MHz)							
132.34	17.91	15.86	33.77	82.20	-48.43	Peak	Horizontal
193.45	11.82	18.80	30.62	82.20	-51.58	Peak	Horizontal
8191.00	37.11	12.50	49.61	82.20	-32.59	Peak	Horizontal
10945.00	35.79	17.70	53.49	82.20	-28.71	Peak	Horizontal
129.91	17.10	15.99	33.09	82.20	-49.11	Peak	Vertical
320.03	10.59	22.21	32.80	82.20	-49.40	Peak	Vertical
8097.50	36.76	12.52	49.28	82.20	-32.92	Peak	Vertical
10902.50	35.50	17.64	53.14	82.20	-29.06	Peak	Vertical
Top Channel (2660.0+2680.0MHz)							
124.09	17.31	16.55	33.86	82.20	-48.34	Peak	Horizontal
193.45	13.64	18.80	32.44	82.20	-49.76	Peak	Horizontal
7936.00	36.75	12.43	49.18	82.20	-33.02	Peak	Horizontal
10877.00	35.36	17.61	52.97	82.20	-29.23	Peak	Horizontal
129.91	16.95	15.99	32.94	82.20	-49.26	Peak	Vertical
314.70	9.58	22.00	31.58	82.20	-50.62	Peak	Vertical
8046.50	36.62	12.52	49.14	82.20	-33.06	Peak	Vertical
11106.50	35.64	17.92	53.56	82.20	-28.64	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	Kevin Ker
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_256QAM, BW = 20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0MHz)							
125.06	17.86	16.46	34.32	82.20	-47.88	Peak	Horizontal
193.45	12.93	18.80	31.73	82.20	-50.47	Peak	Horizontal
7596.00	37.20	11.87	49.07	82.20	-33.13	Peak	Horizontal
11013.00	35.55	17.80	53.35	82.20	-28.85	Peak	Horizontal
129.91	18.09	15.99	34.08	82.20	-48.12	Peak	Vertical
320.52	10.54	22.23	32.77	82.20	-49.43	Peak	Vertical
8021.00	36.74	12.53	49.27	82.20	-32.93	Peak	Vertical
10783.50	36.06	17.47	53.53	82.20	-28.67	Peak	Vertical
Middle Channel (2585.0+2605.0MHz)							
125.06	17.92	16.46	34.38	82.20	-47.82	Peak	Horizontal
193.93	12.56	18.81	31.37	82.20	-50.83	Peak	Horizontal
7477.00	37.14	11.65	48.79	82.20	-33.41	Peak	Horizontal
10953.50	35.39	17.71	53.10	82.20	-29.10	Peak	Horizontal
128.94	18.25	16.09	34.34	82.20	-47.86	Peak	Vertical
321.00	9.38	22.25	31.63	82.20	-50.57	Peak	Vertical
8174.00	36.63	12.50	49.13	82.20	-33.07	Peak	Vertical
10996.00	35.96	17.78	53.74	82.20	-28.46	Peak	Vertical
Top Channel (2660.0+2680.0MHz)							
124.58	18.28	16.50	34.78	82.20	-47.42	Peak	Horizontal
192.96	13.89	18.78	32.67	82.20	-49.53	Peak	Horizontal
8097.50	37.33	12.52	49.85	82.20	-32.35	Peak	Horizontal
11055.50	35.15	17.86	53.01	82.20	-29.19	Peak	Horizontal
129.91	17.56	15.99	33.55	82.20	-48.65	Peak	Vertical
319.06	10.59	22.17	32.76	82.20	-49.44	Peak	Vertical
8038.00	36.20	12.52	48.72	82.20	-33.48	Peak	Vertical
11004.50	36.02	17.79	53.81	82.20	-28.39	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	
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_QPSK, BW = 20+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0+2546.0MHz)							
126.03	18.58	16.36	34.94	82.20	-47.26	Peak	Horizontal
192.48	13.20	18.77	31.97	82.20	-50.23	Peak	Horizontal
7596.00	36.80	11.87	48.67	82.20	-33.53	Peak	Horizontal
11642.00	31.93	18.27	50.20	82.20	-32.00	Peak	Horizontal
129.91	18.34	15.99	34.33	82.20	-47.87	Peak	Vertical
197.33	13.08	18.89	31.97	82.20	-50.23	Peak	Vertical
7587.50	37.26	11.86	49.12	82.20	-33.08	Peak	Vertical
14285.50	31.94	21.43	53.37	82.20	-28.83	Peak	Vertical
Middle Channel (2575.0+2595.0+2615.0MHz)							
124.58	18.17	16.50	34.67	82.20	-47.53	Peak	Horizontal
192.48	14.46	18.77	33.23	82.20	-48.97	Peak	Horizontal
7179.50	34.44	10.81	45.25	82.20	-36.95	Peak	Horizontal
13835.00	31.99	21.20	53.19	82.20	-29.01	Peak	Horizontal
128.46	18.47	16.13	34.60	82.20	-47.60	Peak	Vertical
196.84	13.47	18.88	32.35	82.20	-49.85	Peak	Vertical
7502.50	33.65	11.72	45.37	82.20	-36.83	Peak	Vertical
14200.50	32.24	21.46	53.70	82.20	-28.50	Peak	Vertical
Top Channel (2640.0+2660.0+2680.0MHz)							
132.34	18.58	15.86	34.44	82.20	-47.76	Peak	Horizontal
194.90	12.46	18.83	31.29	82.20	-50.91	Peak	Horizontal
11021.50	29.99	17.81	47.80	82.20	-34.40	Peak	Horizontal
14311.00	32.85	21.42	54.27	82.20	-27.93	Peak	Horizontal
128.46	17.07	16.13	33.20	82.20	-49.00	Peak	Vertical
197.33	13.41	18.89	32.30	82.20	-49.90	Peak	Vertical
10341.50	31.49	16.53	48.02	82.20	-34.18	Peak	Vertical
14319.50	32.13	21.42	53.55	82.20	-28.65	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	
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_16QAM, BW = 20+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0+2546.0MHz)							
126.03	18.58	16.36	34.94	82.20	-47.26	Peak	Horizontal
192.48	13.20	18.77	31.97	82.20	-50.23	Peak	Horizontal
7596.00	36.80	11.87	48.67	82.20	-33.53	Peak	Horizontal
11642.00	31.93	18.27	50.20	82.20	-32.00	Peak	Horizontal
129.91	18.34	15.99	34.33	82.20	-47.87	Peak	Vertical
197.33	13.08	18.89	31.97	82.20	-50.23	Peak	Vertical
7587.50	37.26	11.86	49.12	82.20	-33.08	Peak	Vertical
14285.50	31.94	21.43	53.37	82.20	-28.83	Peak	Vertical
Middle Channel (2575.0+2595.0+2615.0MHz)							
131.85	18.50	15.88	34.38	82.20	-47.82	Peak	Horizontal
191.99	12.66	18.76	31.42	82.20	-50.78	Peak	Horizontal
8021.00	32.24	12.53	44.77	82.20	-37.43	Peak	Horizontal
14268.50	32.11	21.43	53.54	82.20	-28.66	Peak	Horizontal
127.97	18.07	16.18	34.25	82.20	-47.95	Peak	Vertical
197.33	13.58	18.89	32.47	82.20	-49.73	Peak	Vertical
8114.50	34.10	12.51	46.61	82.20	-35.59	Peak	Vertical
13903.00	32.08	21.33	53.41	82.20	-28.79	Peak	Vertical
Top Channel (2640.0+2660.0+2680.0MHz)							
124.58	18.33	16.50	34.83	82.20	-47.37	Peak	Horizontal
194.42	12.14	18.82	30.96	82.20	-51.24	Peak	Horizontal
10902.50	30.67	17.64	48.31	82.20	-33.89	Peak	Horizontal
13835.00	32.39	21.20	53.59	82.20	-28.61	Peak	Horizontal
129.43	18.11	16.04	34.15	82.20	-48.05	Peak	Vertical
196.84	12.67	18.88	31.55	82.20	-50.65	Peak	Vertical
10197.00	28.44	16.03	44.47	82.20	-37.73	Peak	Vertical
13928.50	32.45	21.38	53.83	82.20	-28.37	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	
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_64QAM, BW = 20+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0+2546.0MHz)							
125.06	17.56	16.46	34.02	82.20	-48.18	Peak	Horizontal
193.45	12.97	18.80	31.77	82.20	-50.43	Peak	Horizontal
11582.50	31.04	18.35	49.39	82.20	-32.81	Peak	Horizontal
14302.50	32.80	21.42	54.22	82.20	-27.98	Peak	Horizontal
197.33	13.10	18.89	31.99	82.20	-50.21	Peak	Vertical
319.06	9.73	22.17	31.90	82.20	-50.30	Peak	Vertical
7587.50	36.46	11.86	48.32	82.20	-33.88	Peak	Vertical
14370.50	33.03	21.40	54.43	82.20	-27.77	Peak	Vertical
Middle Channel (2575.0+2595.0+2615.0MHz)							
131.85	19.42	15.88	35.30	82.20	-46.90	Peak	Horizontal
192.96	12.75	18.78	31.53	82.20	-50.67	Peak	Horizontal
8556.50	31.03	12.60	43.63	82.20	-38.57	Peak	Horizontal
14260.00	32.92	21.43	54.35	82.20	-27.85	Peak	Horizontal
128.94	17.68	16.09	33.77	82.20	-48.43	Peak	Vertical
319.55	9.67	22.19	31.86	82.20	-50.34	Peak	Vertical
7723.50	32.76	12.08	44.84	82.20	-37.36	Peak	Vertical
13877.50	31.90	21.28	53.18	82.20	-29.02	Peak	Vertical
Top Channel (2640.0+2660.0+2680.0MHz)							
131.85	18.48	15.88	34.36	82.20	-47.84	Peak	Horizontal
193.45	12.89	18.80	31.69	82.20	-50.51	Peak	Horizontal
11693.00	31.52	18.21	49.73	82.20	-32.47	Peak	Horizontal
14362.00	32.54	21.40	53.94	82.20	-28.26	Peak	Horizontal
129.43	17.39	16.04	33.43	82.20	-48.77	Peak	Vertical
314.70	10.61	22.00	32.61	82.20	-49.59	Peak	Vertical
9610.50	32.42	14.63	47.05	82.20	-35.15	Peak	Vertical
13750.00	30.95	21.04	51.99	82.20	-30.21	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	
Test Site	AC1	Test Date	2020/05/15 ~ 2020/05/16
Test Item	LTE Band 41_256QAM, BW = 20+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel (2506.0+2526.0+2546.0MHz)							
126.03	17.97	16.36	34.33	82.20	-47.87	Peak	Horizontal
192.96	13.76	18.78	32.54	82.20	-49.66	Peak	Horizontal
7587.50	36.13	11.55	47.68	82.20	-34.52	Peak	Horizontal
14260.00	31.05	22.23	53.28	82.20	-28.92	Peak	Horizontal
130.88	18.21	15.94	34.15	82.20	-48.05	Peak	Vertical
196.84	13.06	18.88	31.94	82.20	-50.26	Peak	Vertical
7587.50	36.50	11.86	48.36	82.20	-33.84	Peak	Vertical
14362.00	32.17	21.40	53.57	82.20	-28.63	Peak	Vertical
Middle Channel (2575.0+2595.0+2615.0MHz)							
131.85	18.17	15.88	34.05	82.20	-48.15	Peak	Horizontal
192.48	12.99	18.77	31.76	82.20	-50.44	Peak	Horizontal
10163.00	31.22	15.92	47.14	82.20	-35.06	Peak	Horizontal
13911.50	32.23	21.35	53.58	82.20	-28.62	Peak	Horizontal
129.91	19.04	15.99	35.03	82.20	-47.17	Peak	Vertical
313.73	10.91	21.96	32.87	82.20	-49.33	Peak	Vertical
10409.50	30.88	16.76	47.64	82.20	-34.56	Peak	Vertical
13835.00	32.62	21.20	53.82	82.20	-28.38	Peak	Vertical
Top Channel (2640.0+2660.0+2680.0MHz)							
132.34	18.44	15.86	34.30	82.20	-47.90	Peak	Horizontal
192.48	12.75	18.77	31.52	82.20	-50.68	Peak	Horizontal
9831.50	31.79	15.04	46.83	82.20	-35.37	Peak	Horizontal
13826.50	32.10	21.19	53.29	82.20	-28.91	Peak	Horizontal
129.43	17.45	16.04	33.49	82.20	-48.71	Peak	Vertical
196.84	13.84	18.88	32.72	82.20	-49.48	Peak	Vertical
10877.00	30.40	17.61	48.01	82.20	-34.19	Peak	Vertical
13877.50	32.34	21.28	53.62	82.20	-28.58	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)

7. CONCLUSION

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

The End