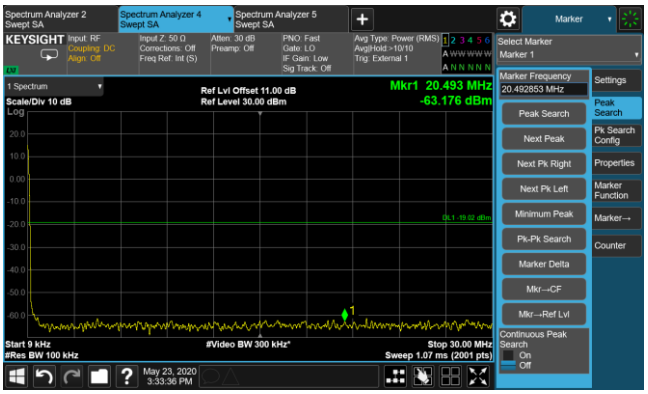
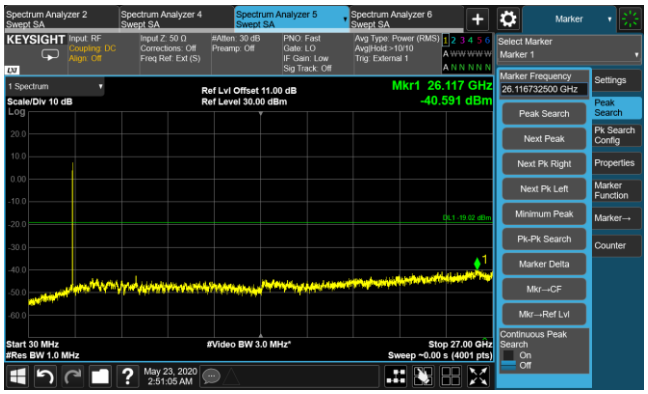
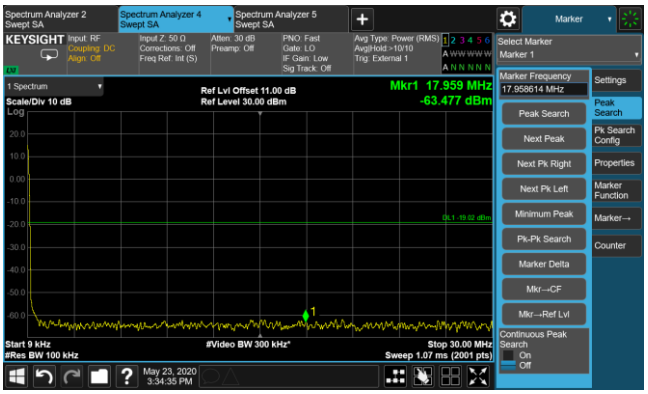
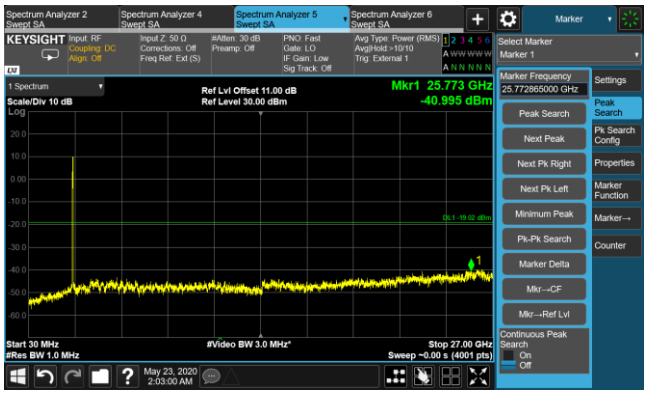
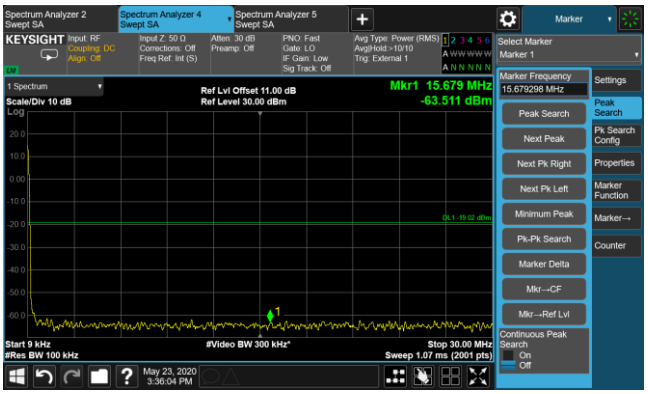
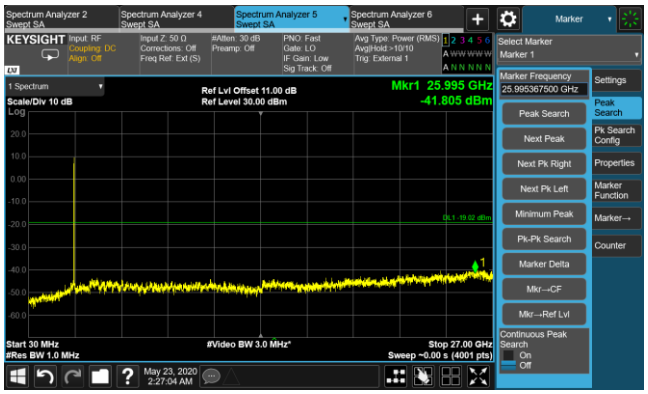
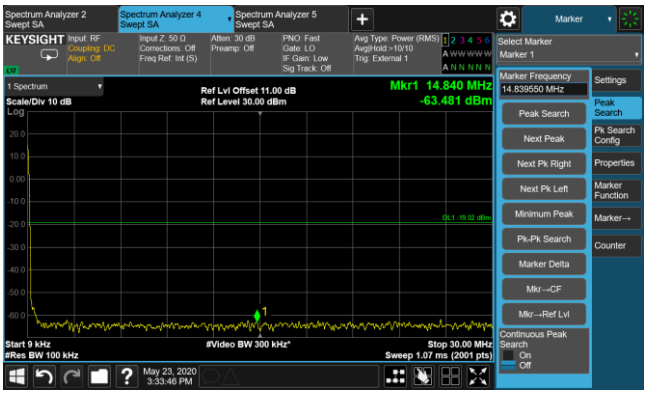
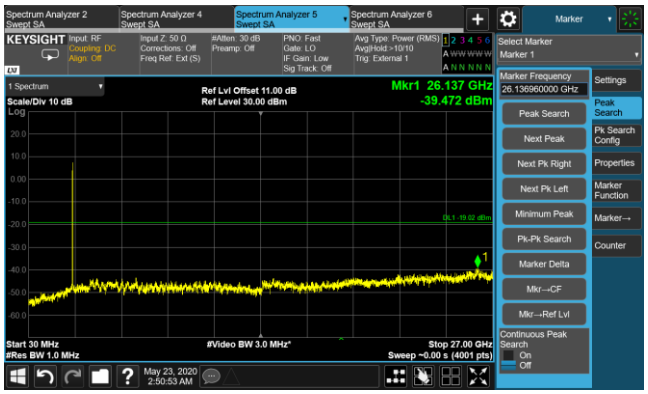
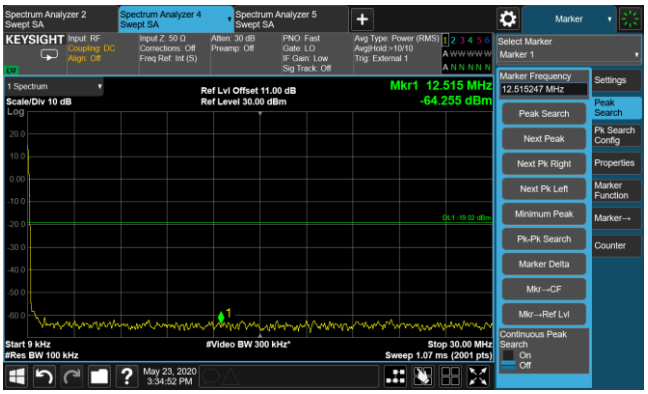
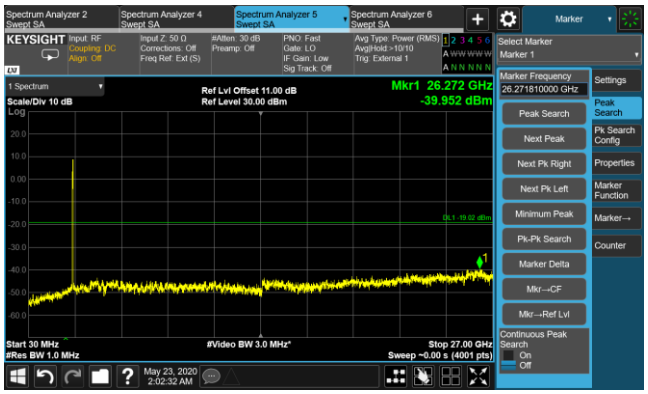
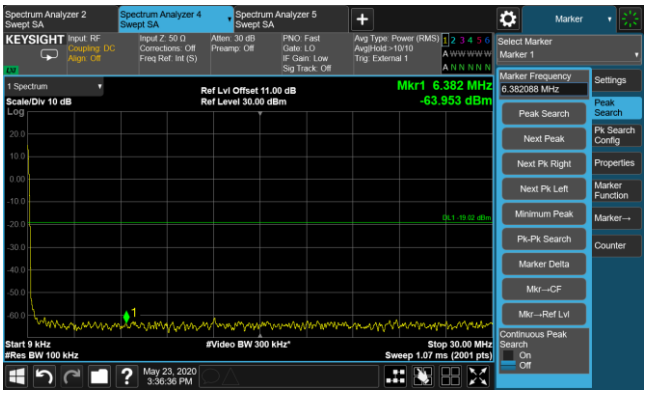
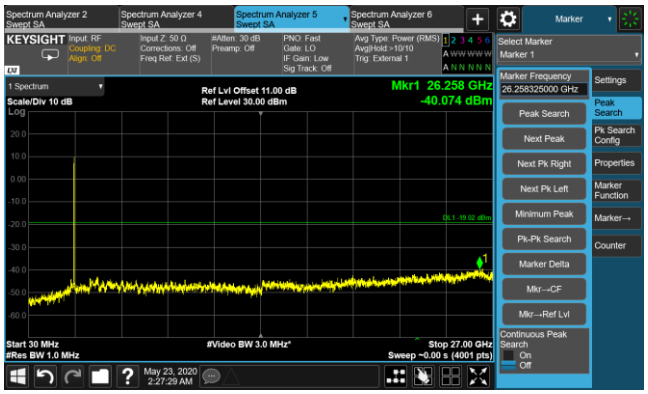
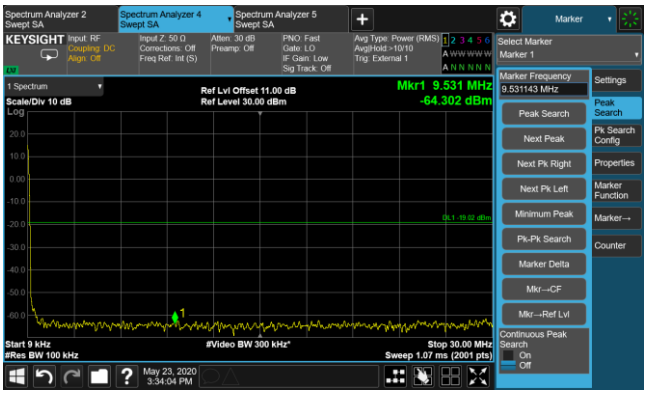
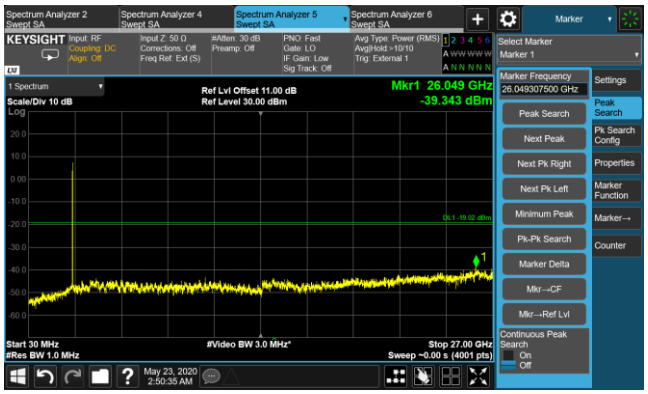
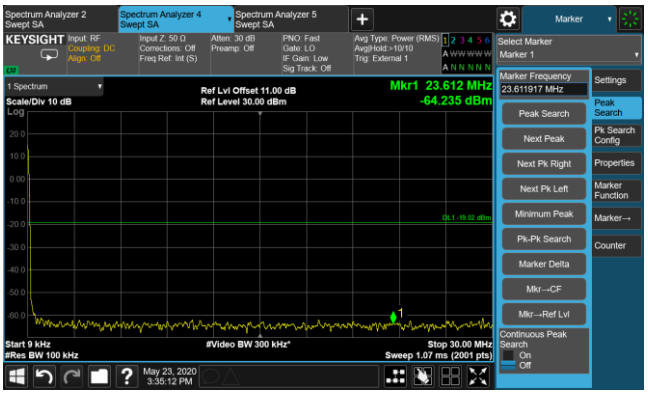
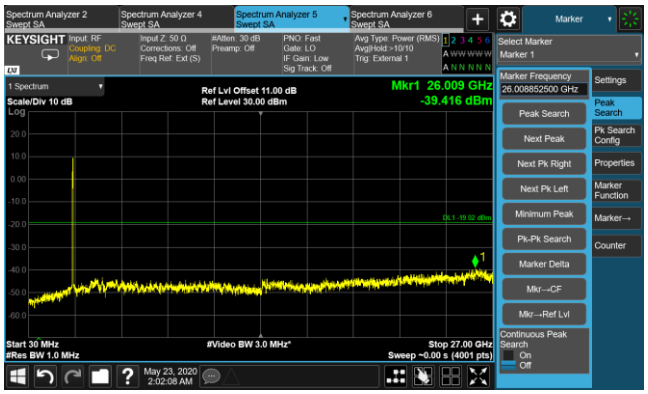
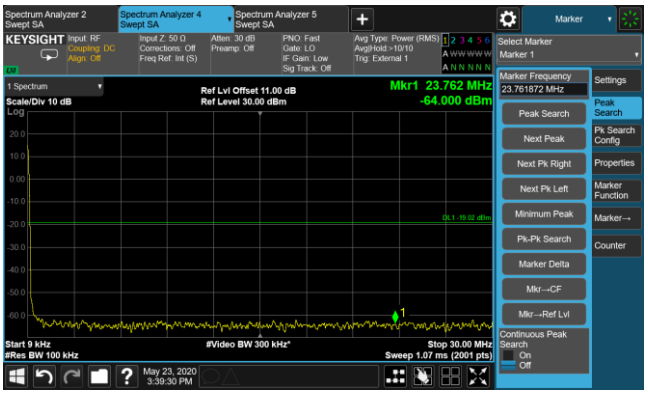
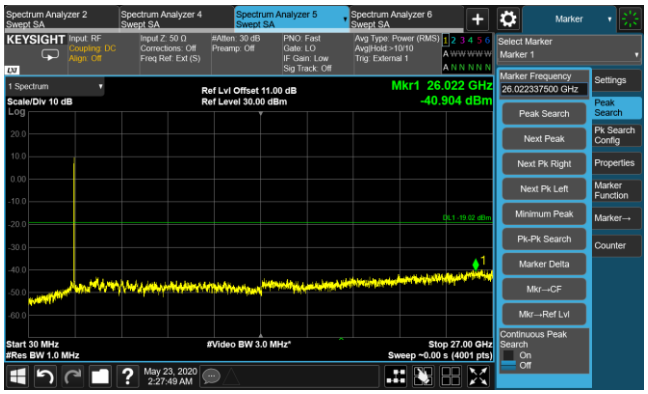
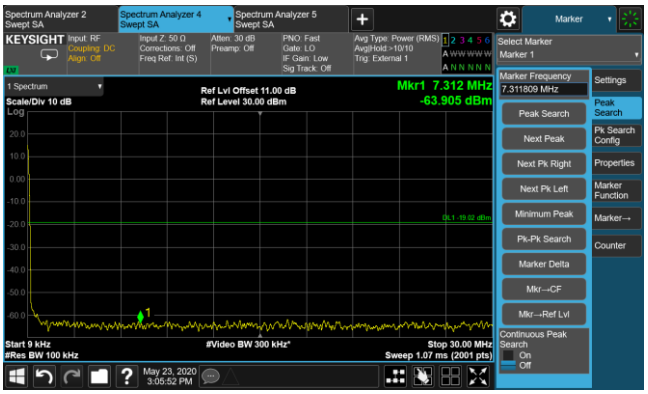
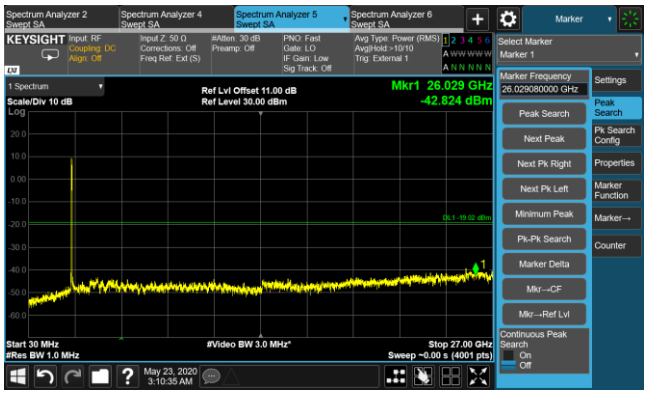
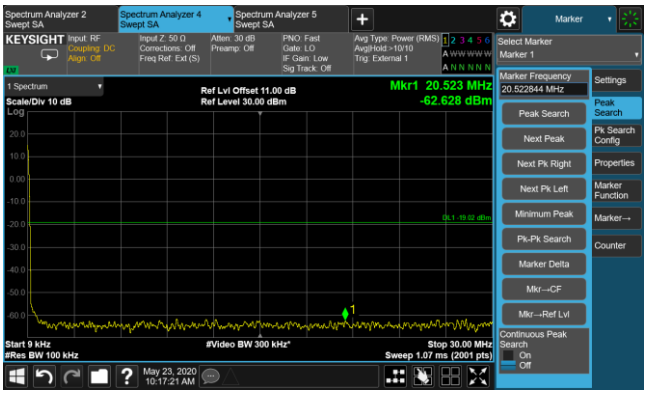
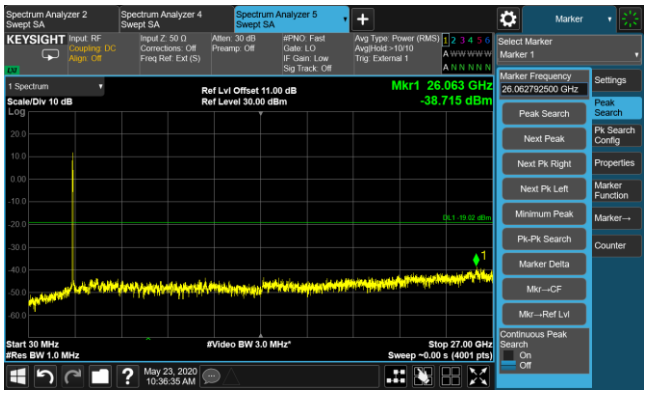
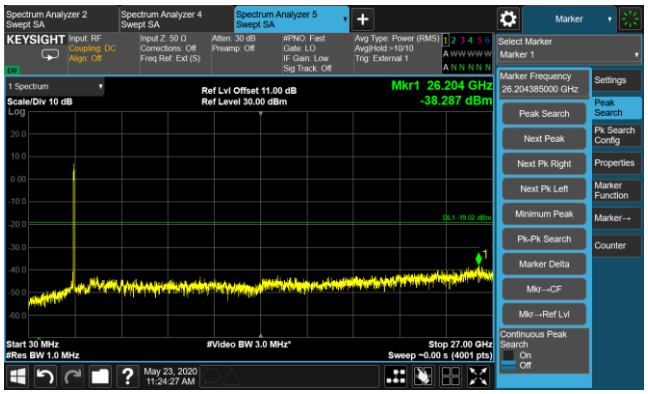
Conducted Spurious Emissions - Ant 1 (QPSK)	
Bottom Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	
Middle Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	
Top Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	

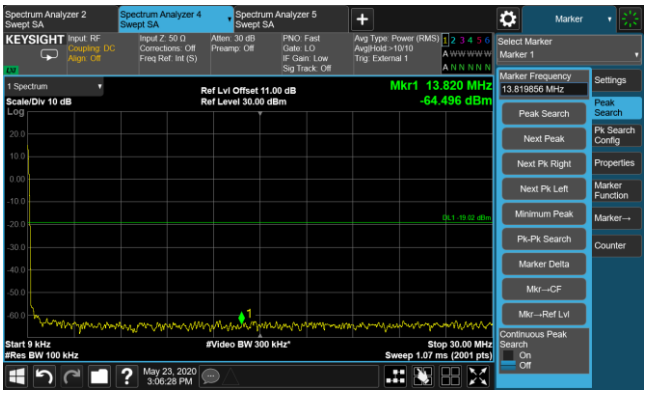
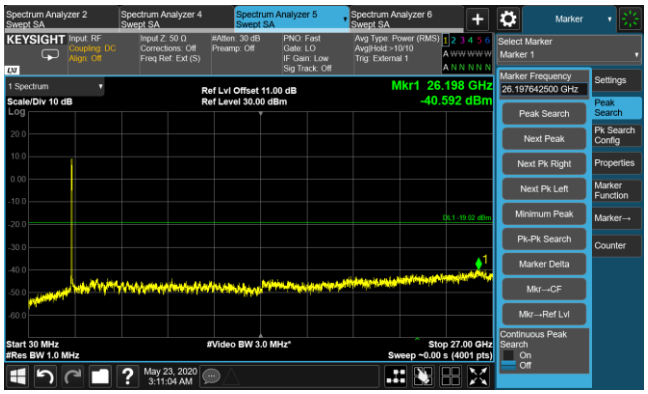
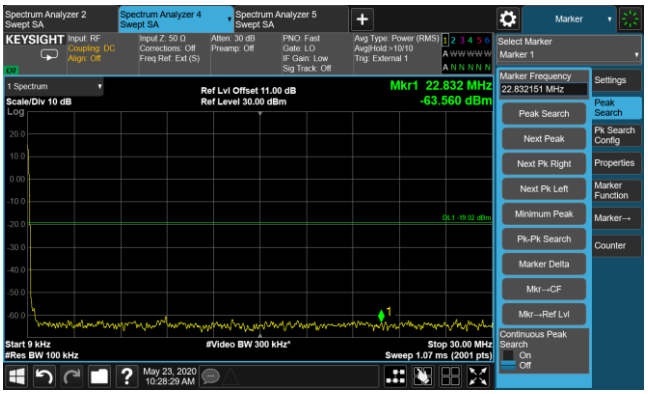
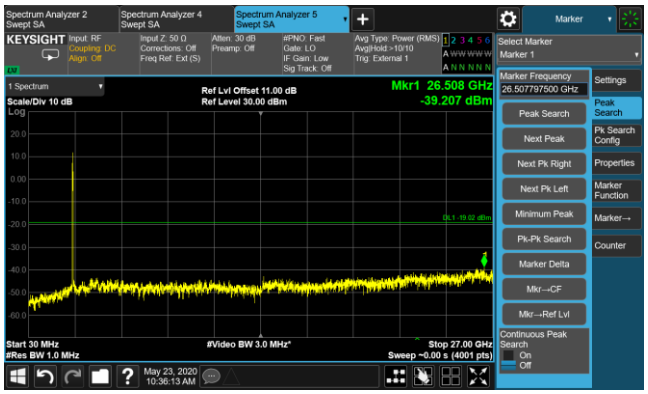
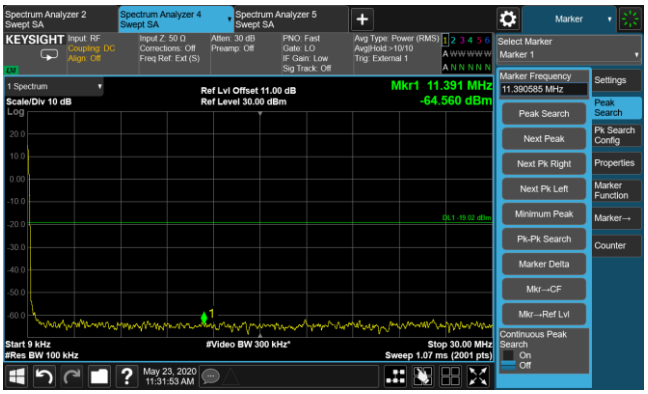
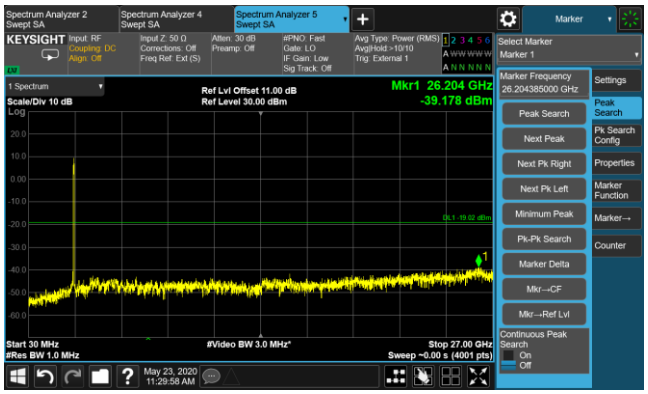
Conducted Spurious Emissions - Ant 2 (QPSK)	
Bottom Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	
Middle Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	
Top Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	

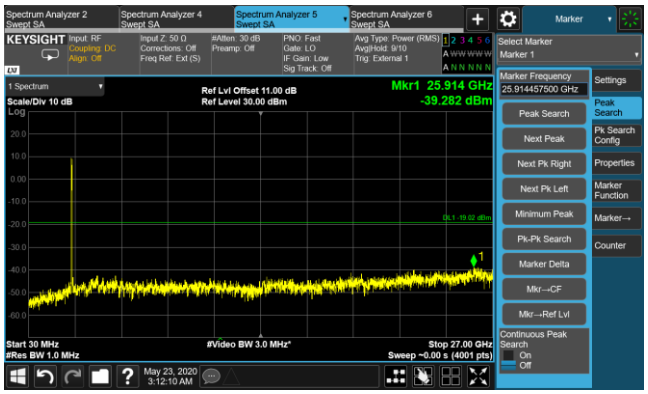
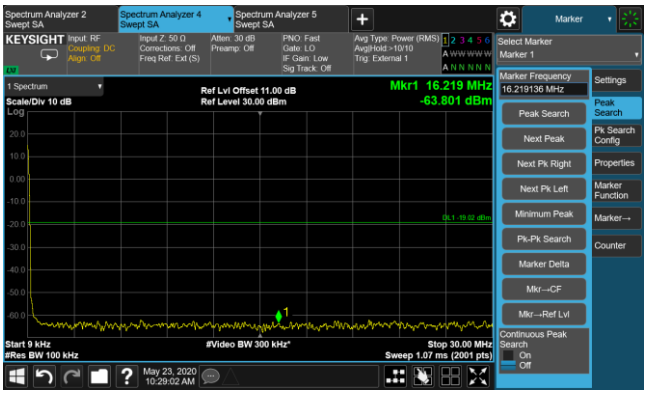
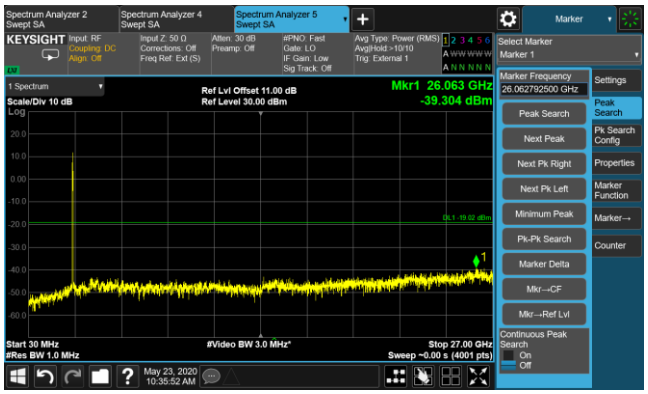
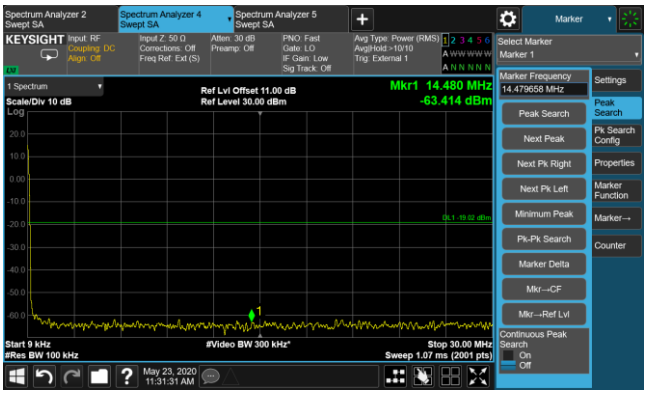
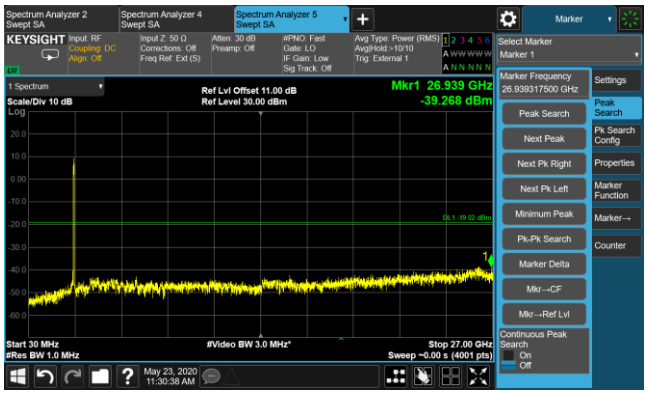
Conducted Spurious Emissions - Ant 3 (QPSK)	
Bottom Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	
Middle Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	
Top Channel	
9kHz ~ 30MHz	30MHz ~ 27.0GHz
	

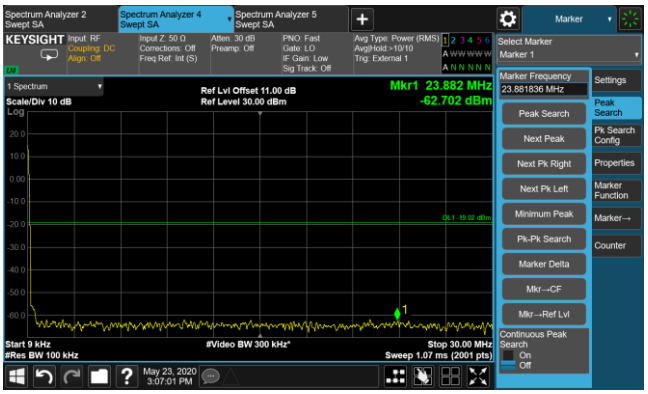
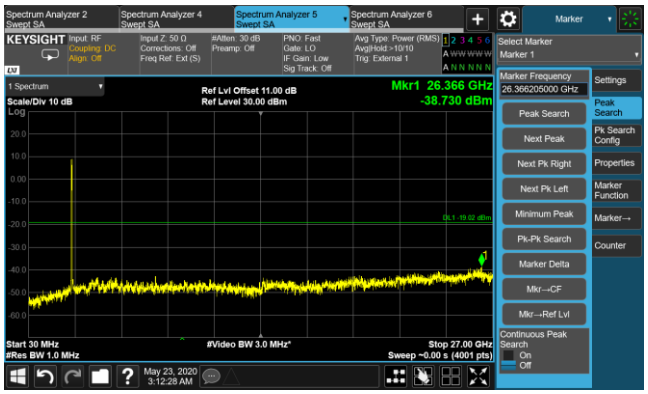
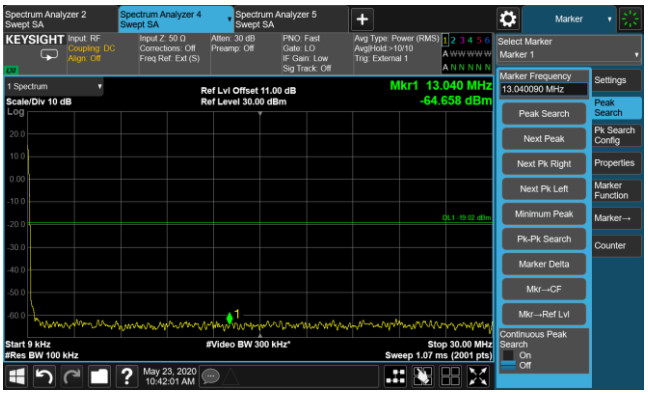
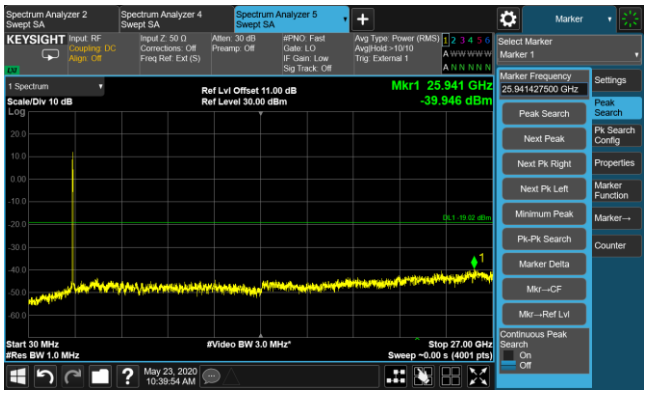
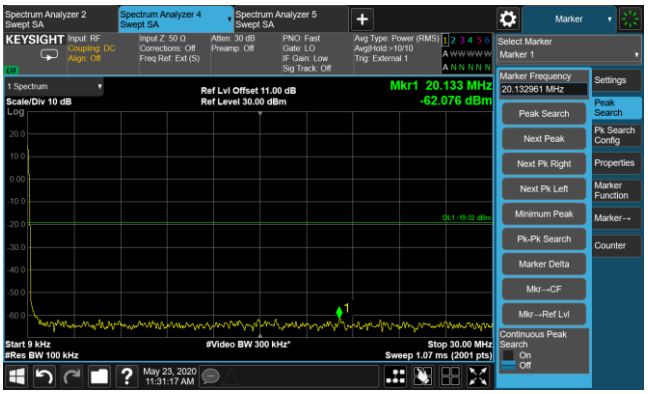
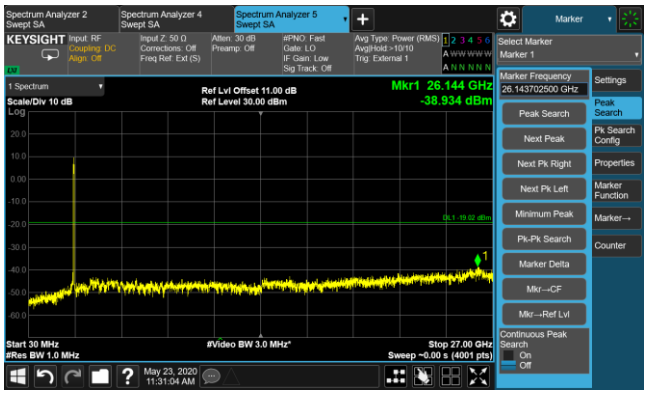
Product	AirScale Indoor Radio ASiR 5G-pRRH	Test Engineer	Larry Yan
Test Site	SR2	Test Date	2019/05/21 ~ 2019/05/22
Test Item	Conducted Spurious Emissions, 20+20+20MHz Bandwidth		

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

6.8.2. Test Procedure Used

KDB 971168 D01v03r01 - Section 5.8 & 7

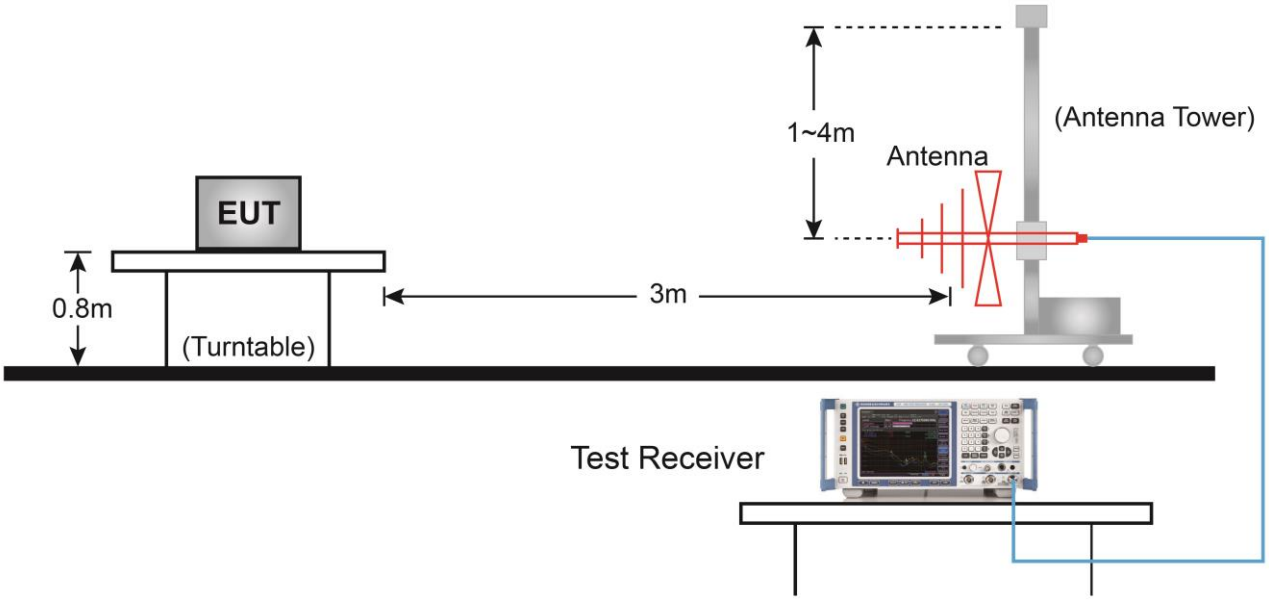
ANSI C63.26-2015 - Section 5.2.7 & 5.5

6.8.3. Test Setting

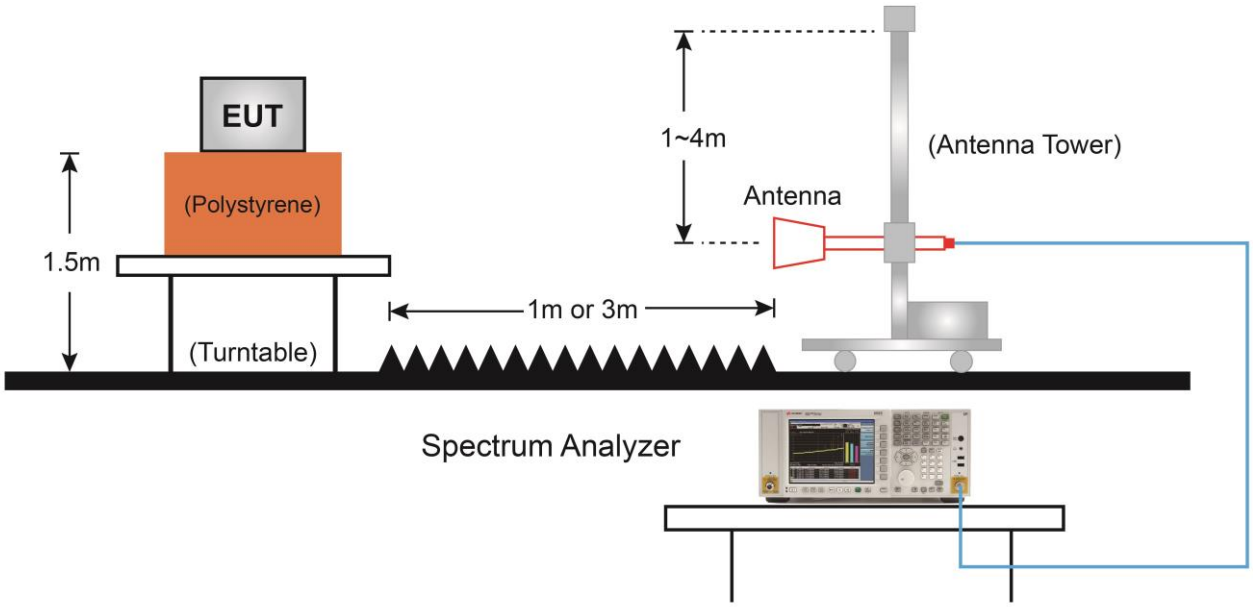
1. RBW = 100kHz or 1MHz
2. VBW ≥ 3*RBW
3. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

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							
123.61	18.77	16.60	35.37	82.20	-46.83	Peak	Horizontal
506.27	4.97	25.92	30.89	82.20	-51.31	Peak	Horizontal
8080.50	37.86	12.52	50.38	82.20	-31.82	Peak	Horizontal
10962.00	36.22	17.73	53.95	82.20	-28.25	Peak	Horizontal
124.58	16.19	16.50	32.69	82.20	-49.51	Peak	Vertical
309.85	7.60	21.80	29.40	82.20	-52.80	Peak	Vertical
8072.00	36.74	12.52	49.26	82.20	-32.94	Peak	Vertical
10554.00	36.55	17.15	53.70	82.20	-28.50	Peak	Vertical
Middle Channel							
124.09	18.78	16.55	35.33	82.20	-46.87	Peak	Horizontal
493.18	5.79	25.69	31.48	82.20	-50.72	Peak	Horizontal
7451.50	37.63	11.58	49.21	82.20	-32.99	Peak	Horizontal
10885.50	36.08	17.62	53.70	82.20	-28.50	Peak	Horizontal
123.61	16.04	16.60	32.64	82.20	-49.56	Peak	Vertical
383.08	5.36	23.91	29.27	82.20	-52.93	Peak	Vertical
7494.00	36.60	11.70	48.30	82.20	-33.90	Peak	Vertical
11013.00	36.41	17.80	54.21	82.20	-27.99	Peak	Vertical
Top Channel							
124.58	19.18	16.50	35.68	82.20	-46.52	Peak	Horizontal
507.73	6.02	25.94	31.96	82.20	-50.24	Peak	Horizontal
8038.00	36.22	12.52	48.74	82.20	-33.46	Peak	Horizontal
11089.50	35.98	17.90	53.88	82.20	-28.32	Peak	Horizontal
123.12	16.43	16.65	33.08	82.20	-49.12	Peak	Vertical
492.69	2.73	25.68	28.41	82.20	-53.79	Peak	Vertical
8038.00	37.63	12.52	50.15	82.20	-32.05	Peak	Vertical
10885.50	36.16	17.62	53.78	82.20	-28.42	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
125.06	19.08	16.46	35.54	82.20	-46.66	Peak	Horizontal
502.39	4.87	25.86	30.73	82.20	-51.47	Peak	Horizontal
8114.50	37.15	12.51	49.66	82.20	-32.54	Peak	Horizontal
11514.50	35.91	18.43	54.34	82.20	-27.86	Peak	Horizontal
124.09	16.22	16.55	32.77	82.20	-49.43	Peak	Vertical
491.72	3.66	25.67	29.33	82.20	-52.87	Peak	Vertical
8038.00	37.69	12.52	50.21	82.20	-31.99	Peak	Vertical
11140.50	35.18	17.97	53.15	82.20	-29.05	Peak	Vertical
Middle Channel							
124.09	18.93	16.55	35.48	82.20	-46.72	Peak	Horizontal
507.73	4.37	25.94	30.31	82.20	-51.89	Peak	Horizontal
8097.50	37.13	12.52	49.65	82.20	-32.55	Peak	Horizontal
11446.50	36.38	18.38	54.76	82.20	-27.44	Peak	Horizontal
123.61	16.13	16.60	32.73	82.20	-49.47	Peak	Vertical
492.69	2.78	25.68	28.46	82.20	-53.74	Peak	Vertical
7961.50	36.48	12.47	48.95	82.20	-33.25	Peak	Vertical
10868.50	35.13	17.59	52.72	82.20	-29.48	Peak	Vertical
Top Channel							
123.61	18.51	16.60	35.11	82.20	-47.09	Peak	Horizontal
506.27	4.94	25.92	30.86	82.20	-51.34	Peak	Horizontal
7961.50	36.48	12.47	48.95	82.20	-33.25	Peak	Horizontal
10868.50	35.13	17.59	52.72	82.20	-29.48	Peak	Horizontal
123.61	16.42	16.60	33.02	82.20	-49.18	Peak	Vertical
209.94	11.96	18.61	30.57	82.20	-51.63	Peak	Vertical
8658.50	37.02	12.84	49.86	82.20	-32.34	Peak	Vertical
14294.00	36.20	21.42	57.62	82.20	-24.58	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)

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							
124.58	19.10	16.50	35.60	82.20	-46.60	Peak	Horizontal
492.21	5.79	25.67	31.46	82.20	-50.74	Peak	Horizontal
8709.50	38.90	12.97	51.87	82.20	-30.33	Peak	Horizontal
10945.00	36.55	17.70	54.25	82.20	-27.95	Peak	Horizontal
123.12	16.44	16.65	33.09	82.20	-49.11	Peak	Vertical
311.79	6.96	21.88	28.84	82.20	-53.36	Peak	Vertical
10877.00	35.71	17.61	53.32	82.20	-28.88	Peak	Vertical
14379.00	34.44	21.40	55.84	82.20	-26.36	Peak	Vertical
Middle Channel							
125.06	18.56	16.46	35.02	82.20	-47.18	Peak	Horizontal
492.69	5.66	25.68	31.34	82.20	-50.86	Peak	Horizontal
8097.50	37.03	12.52	49.55	82.20	-32.65	Peak	Horizontal
14481.00	34.66	21.36	56.02	82.20	-26.18	Peak	Horizontal
123.61	16.15	16.60	32.75	82.20	-49.45	Peak	Vertical
258.44	8.95	20.57	29.52	82.20	-52.68	Peak	Vertical
8913.50	36.39	13.47	49.86	82.20	-32.34	Peak	Vertical
11497.50	35.12	18.44	53.56	82.20	-28.64	Peak	Vertical
Top Channel							
125.06	18.62	16.46	35.08	82.20	-47.12	Peak	Horizontal
308.39	6.71	21.74	28.45	82.20	-53.75	Peak	Horizontal
8063.50	36.84	12.52	49.36	82.20	-32.84	Peak	Horizontal
10953.50	36.14	17.71	53.85	82.20	-28.35	Peak	Horizontal
124.58	16.00	16.50	32.50	82.20	-49.70	Peak	Vertical
208.97	11.65	18.63	30.28	82.20	-51.92	Peak	Vertical
8106.00	37.01	12.51	49.52	82.20	-32.68	Peak	Vertical
11608.00	35.51	18.31	53.82	82.20	-28.38	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							
124.58	18.81	16.50	35.31	82.20	-46.89	Peak	Horizontal
511.61	5.74	26.00	31.74	82.20	-50.46	Peak	Horizontal
8080.50	36.79	12.52	49.31	82.20	-32.89	Peak	Horizontal
11489.00	34.95	18.44	53.39	82.20	-28.81	Peak	Horizontal
124.09	16.19	16.55	32.74	82.20	-49.46	Peak	Vertical
309.36	7.56	21.78	29.34	82.20	-52.86	Peak	Vertical
8701.00	37.74	12.95	50.69	82.20	-31.51	Peak	Vertical
10962.00	35.61	17.73	53.34	82.20	-28.86	Peak	Vertical
Middle Channel							
124.58	18.39	16.50	34.89	82.20	-47.31	Peak	Horizontal
492.69	5.15	25.68	30.83	82.20	-51.37	Peak	Horizontal
8021.00	36.51	12.53	49.04	82.20	-33.16	Peak	Horizontal
11089.50	35.69	17.90	53.59	82.20	-28.61	Peak	Horizontal
123.61	15.11	16.60	31.71	82.20	-50.49	Peak	Vertical
494.63	2.83	25.72	28.55	82.20	-53.65	Peak	Vertical
8046.50	37.20	12.52	49.72	82.20	-32.48	Peak	Vertical
11684.50	35.13	18.22	53.35	82.20	-28.85	Peak	Vertical
Top Channel							
123.12	18.61	16.65	35.26	82.20	-46.94	Peak	Horizontal
492.69	4.92	25.68	30.60	82.20	-51.60	Peak	Horizontal
7961.50	36.68	12.47	49.15	82.20	-33.05	Peak	Horizontal
10817.50	35.53	17.52	53.05	82.20	-29.15	Peak	Horizontal
123.61	15.90	16.60	32.50	82.20	-49.70	Peak	Vertical
310.82	8.06	21.84	29.90	82.20	-52.30	Peak	Vertical
8055.00	36.59	12.52	49.11	82.20	-33.09	Peak	Vertical
11021.50	35.38	17.81	53.19	82.20	-29.01	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							
122.15	20.41	16.74	37.15	82.20	-45.05	Peak	Horizontal
296.75	6.04	21.36	27.40	82.20	-54.80	Peak	Horizontal
7961.50	37.11	12.47	49.58	82.20	-32.62	Peak	Horizontal
11480.50	34.28	18.42	52.70	82.20	-29.50	Peak	Horizontal
122.64	15.56	16.69	32.25	82.20	-49.95	Peak	Vertical
318.58	7.32	22.15	29.47	82.20	-52.73	Peak	Vertical
7596.00	36.29	11.87	48.16	82.20	-34.04	Peak	Vertical
11506.00	35.17	18.44	53.61	82.20	-28.59	Peak	Vertical
Middle Channel							
123.12	19.66	16.65	36.31	82.20	-45.89	Peak	Horizontal
310.33	4.58	21.82	26.40	82.20	-55.80	Peak	Horizontal
8140.00	36.55	12.51	49.06	82.20	-33.14	Peak	Horizontal
11438.00	34.38	18.37	52.75	82.20	-29.45	Peak	Horizontal
124.09	15.97	16.55	32.52	82.20	-49.68	Peak	Vertical
308.88	7.89	21.76	29.65	82.20	-52.55	Peak	Vertical
8080.50	36.41	12.52	48.93	82.20	-33.27	Peak	Vertical
10902.50	35.42	17.64	53.06	82.20	-29.14	Peak	Vertical
Top Channel							
124.58	18.91	16.50	35.41	82.20	-46.79	Peak	Horizontal
492.69	4.09	25.68	29.77	82.20	-52.43	Peak	Horizontal
7936.00	36.81	12.43	49.24	82.20	-32.96	Peak	Horizontal
10877.00	35.97	17.61	53.58	82.20	-28.62	Peak	Horizontal
125.06	16.34	16.46	32.80	82.20	-49.40	Peak	Vertical
383.08	5.01	23.91	28.92	82.20	-53.28	Peak	Vertical
8131.50	35.66	12.51	48.17	82.20	-34.03	Peak	Vertical
11038.50	35.06	17.83	52.89	82.20	-29.31	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							
123.61	20.71	16.60	37.31	82.20	-44.89	Peak	Horizontal
321.00	3.83	22.25	26.08	82.20	-56.12	Peak	Horizontal
8131.50	37.25	12.51	49.76	82.20	-32.44	Peak	Horizontal
11446.50	35.22	18.38	53.60	82.20	-28.60	Peak	Horizontal
148.34	16.49	15.72	32.21	82.20	-49.99	Peak	Vertical
313.73	8.94	21.96	30.90	82.20	-51.30	Peak	Vertical
7944.50	36.65	12.44	49.09	82.20	-33.11	Peak	Vertical
10902.50	35.96	17.64	53.60	82.20	-28.60	Peak	Vertical
Middle Channel							
122.64	19.51	16.69	36.20	82.20	-46.00	Peak	Horizontal
309.85	5.13	21.80	26.93	82.20	-55.27	Peak	Horizontal
8106.00	36.77	12.51	49.28	82.20	-32.92	Peak	Horizontal
10520.00	35.27	17.10	52.37	82.20	-29.83	Peak	Horizontal
125.06	16.69	16.46	33.15	82.20	-49.05	Peak	Vertical
308.88	7.16	21.76	28.92	82.20	-53.28	Peak	Vertical
7460.00	36.45	11.60	48.05	82.20	-34.15	Peak	Vertical
10868.50	35.38	17.59	52.97	82.20	-29.23	Peak	Vertical
Top Channel							
123.61	19.17	16.60	35.77	82.20	-46.43	Peak	Horizontal
507.73	4.12	25.94	30.06	82.20	-52.14	Peak	Horizontal
7528.00	36.29	11.76	48.05	82.20	-34.15	Peak	Horizontal
10945.00	35.62	17.70	53.32	82.20	-28.88	Peak	Horizontal
122.64	16.11	16.69	32.80	82.20	-49.40	Peak	Vertical
381.14	5.34	23.89	29.23	82.20	-52.97	Peak	Vertical
8021.00	36.37	12.53	48.90	82.20	-33.30	Peak	Vertical
11514.50	34.57	18.43	53.00	82.20	-29.20	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							
123.61	20.30	16.60	36.90	82.20	-45.30	Peak	Horizontal
294.81	5.28	21.33	26.61	82.20	-55.59	Peak	Horizontal
8089.00	36.41	12.52	48.93	82.20	-33.27	Peak	Horizontal
10902.50	35.96	17.64	53.60	82.20	-28.60	Peak	Horizontal
123.12	15.66	16.65	32.31	82.20	-49.89	Peak	Vertical
313.24	9.69	21.94	31.63	82.20	-50.57	Peak	Vertical
8046.50	36.75	12.52	49.27	82.20	-32.93	Peak	Vertical
11132.00	35.39	17.96	53.35	82.20	-28.85	Peak	Vertical
Middle Channel							
122.64	19.22	16.69	35.91	82.20	-46.29	Peak	Horizontal
507.73	4.59	25.94	30.53	82.20	-51.67	Peak	Horizontal
7944.50	36.55	12.44	48.99	82.20	-33.21	Peak	Horizontal
11506.00	35.09	18.44	53.53	82.20	-28.67	Peak	Horizontal
123.61	15.94	16.60	32.54	82.20	-49.66	Peak	Vertical
315.67	7.64	22.04	29.68	82.20	-52.52	Peak	Vertical
8046.50	36.13	12.52	48.65	82.20	-33.55	Peak	Vertical
11166.00	34.49	18.00	52.49	82.20	-29.71	Peak	Vertical
Top Channel							
124.58	19.13	16.50	35.63	82.20	-46.57	Peak	Horizontal
494.15	5.68	25.71	31.39	82.20	-50.81	Peak	Horizontal
8089.00	36.49	12.52	49.01	82.20	-33.19	Peak	Horizontal
10928.00	35.59	17.68	53.27	82.20	-28.93	Peak	Horizontal
125.55	16.43	16.41	32.84	82.20	-49.36	Peak	Vertical
308.39	7.46	21.74	29.20	82.20	-53.00	Peak	Vertical
7664.00	36.17	11.98	48.15	82.20	-34.05	Peak	Vertical
10596.50	35.20	17.21	52.41	82.20	-29.79	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							
124.09	19.18	16.55	35.73	82.20	-46.47	Peak	Horizontal
299.18	5.20	21.39	26.59	82.20	-55.61	Peak	Horizontal
8012.50	36.20	12.53	48.73	82.20	-33.47	Peak	Horizontal
11514.50	34.95	18.43	53.38	82.20	-28.82	Peak	Horizontal
124.58	17.07	16.50	33.57	82.20	-48.63	Peak	Vertical
312.76	7.83	21.92	29.75	82.20	-52.45	Peak	Vertical
8029.50	36.18	12.53	48.71	82.20	-33.49	Peak	Vertical
10596.50	36.29	17.21	53.50	82.20	-28.70	Peak	Vertical
Middle Channel							
124.58	19.76	16.50	36.26	82.20	-45.94	Peak	Horizontal
494.15	4.40	25.71	30.11	82.20	-52.09	Peak	Horizontal
8055.00	35.83	12.52	48.35	82.20	-33.85	Peak	Horizontal
10639.00	36.05	17.27	53.32	82.20	-28.88	Peak	Horizontal
124.09	16.29	16.55	32.84	82.20	-49.36	Peak	Vertical
307.42	7.71	21.70	29.41	82.20	-52.79	Peak	Vertical
8046.50	35.87	12.52	48.39	82.20	-33.81	Peak	Vertical
11531.50	34.66	18.41	53.07	82.20	-29.13	Peak	Vertical
Top Channel							
124.58	19.22	16.50	35.72	82.20	-46.48	Peak	Horizontal
504.33	4.41	25.89	30.30	82.20	-51.90	Peak	Horizontal
8089.00	36.13	12.52	48.65	82.20	-33.55	Peak	Horizontal
11234.00	34.61	18.09	52.70	82.20	-29.50	Peak	Horizontal
124.58	16.40	16.50	32.90	82.20	-49.30	Peak	Vertical
380.66	4.95	23.88	28.83	82.20	-53.37	Peak	Vertical
8089.00	36.35	12.52	48.87	82.20	-33.33	Peak	Vertical
11404.00	34.78	18.32	53.10	82.20	-29.10	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+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
124.09	20.71	16.55	37.26	82.20	-44.94	Peak	Horizontal
317.12	4.24	22.10	26.34	82.20	-55.86	Peak	Horizontal
7613.00	38.61	11.90	50.51	82.20	-31.69	Peak	Horizontal
11004.50	35.51	17.79	53.30	82.20	-28.90	Peak	Horizontal
123.12	15.23	16.65	31.88	82.20	-50.32	Peak	Vertical
321.00	7.55	22.25	29.80	82.20	-52.40	Peak	Vertical
7613.00	38.29	11.90	50.19	82.20	-32.01	Peak	Vertical
10868.50	35.10	17.59	52.69	82.20	-29.51	Peak	Vertical
Middle Channel							
123.61	19.34	16.60	35.94	82.20	-46.26	Peak	Horizontal
296.27	5.86	21.35	27.21	82.20	-54.99	Peak	Horizontal
8123.00	36.49	12.51	49.00	82.20	-33.20	Peak	Horizontal
10894.00	35.46	17.63	53.09	82.20	-29.11	Peak	Horizontal
123.61	15.47	16.60	32.07	82.20	-50.13	Peak	Vertical
320.52	7.71	22.23	29.94	82.20	-52.26	Peak	Vertical
8820.00	38.32	13.24	51.56	82.20	-30.64	Peak	Vertical
11616.50	34.39	18.30	52.69	82.20	-29.51	Peak	Vertical
Top Channel							
124.09	20.25	16.55	36.80	82.20	-45.40	Peak	Horizontal
494.63	4.41	25.72	30.13	82.20	-52.07	Peak	Horizontal
8080.50	36.64	12.52	49.16	82.20	-33.04	Peak	Horizontal
10596.50	36.53	17.21	53.74	82.20	-28.46	Peak	Horizontal
161.92	15.58	16.16	31.74	82.20	-50.46	Peak	Vertical
305.00	8.62	21.60	30.22	82.20	-51.98	Peak	Vertical
7936.00	35.98	12.43	48.41	82.20	-33.79	Peak	Vertical
10953.50	35.77	17.71	53.48	82.20	-28.72	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+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
125.06	20.10	16.46	36.56	82.20	-45.64	Peak	Horizontal
491.24	4.74	25.66	30.40	82.20	-51.80	Peak	Horizontal
7613.00	38.12	11.90	50.02	82.20	-32.18	Peak	Horizontal
10877.00	35.67	17.61	53.28	82.20	-28.92	Peak	Horizontal
124.58	17.01	16.50	33.51	82.20	-48.69	Peak	Vertical
222.55	11.30	19.24	30.54	82.20	-51.66	Peak	Vertical
7587.50	38.03	11.86	49.89	82.20	-32.31	Peak	Vertical
11438.00	34.39	18.37	52.76	82.20	-29.44	Peak	Vertical
Middle Channel							
123.12	19.71	16.65	36.36	82.20	-45.84	Peak	Horizontal
473.78	3.82	25.33	29.15	82.20	-53.05	Peak	Horizontal
8080.50	37.14	12.52	49.66	82.20	-32.54	Peak	Horizontal
11514.50	35.00	18.43	53.43	82.20	-28.77	Peak	Horizontal
161.44	15.54	16.15	31.69	82.20	-50.51	Peak	Vertical
319.55	7.93	22.19	30.12	82.20	-52.08	Peak	Vertical
7970.00	36.42	12.48	48.90	82.20	-33.30	Peak	Vertical
11506.00	34.58	18.44	53.02	82.20	-29.18	Peak	Vertical
Top Channel							
124.58	20.13	16.50	36.63	82.20	-45.57	Peak	Horizontal
491.24	5.17	25.66	30.83	82.20	-51.37	Peak	Horizontal
8063.50	37.48	12.52	50.00	82.20	-32.20	Peak	Horizontal
12228.50	35.16	17.86	53.02	82.20	-29.18	Peak	Horizontal
53.28	11.15	21.14	32.29	82.20	-49.91	Peak	Vertical
321.49	10.89	22.27	33.16	82.20	-49.04	Peak	Vertical
8692.50	38.04	12.93	50.97	82.20	-31.23	Peak	Vertical
11480.50	34.58	18.42	53.00	82.20	-29.20	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+20+20MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
125.06	20.18	16.46	36.64	82.20	-45.56	Peak	Horizontal
503.36	4.08	25.87	29.95	82.20	-52.25	Peak	Horizontal
7587.50	37.87	11.86	49.73	82.20	-32.47	Peak	Horizontal
10554.00	36.50	17.15	53.65	82.20	-28.55	Peak	Horizontal
123.61	15.41	16.60	32.01	82.20	-50.19	Peak	Vertical
312.27	6.81	21.90	28.71	82.20	-53.49	Peak	Vertical
7596.00	37.77	11.87	49.64	82.20	-32.56	Peak	Vertical
10970.50	35.29	17.74	53.03	82.20	-29.17	Peak	Vertical
Middle Channel							
125.06	20.06	16.46	36.52	82.20	-45.68	Peak	Horizontal
294.81	5.26	21.33	26.59	82.20	-55.61	Peak	Horizontal
8046.50	36.43	12.52	48.95	82.20	-33.25	Peak	Horizontal
10868.50	36.62	17.59	54.21	82.20	-27.99	Peak	Horizontal
159.98	15.37	16.12	31.49	82.20	-50.71	Peak	Vertical
299.66	7.34	21.39	28.73	82.20	-53.47	Peak	Vertical
7970.00	36.66	12.48	49.14	82.20	-33.06	Peak	Vertical
10953.50	35.58	17.71	53.29	82.20	-28.91	Peak	Vertical
Top Channel							
124.58	20.13	16.50	36.63	82.20	-45.57	Peak	Horizontal
491.24	5.17	25.66	30.83	82.20	-51.37	Peak	Horizontal
8063.50	37.48	12.52	50.00	82.20	-32.20	Peak	Horizontal
12228.50	35.16	17.86	53.02	82.20	-29.18	Peak	Horizontal
53.28	11.15	21.14	32.29	82.20	-49.91	Peak	Vertical
321.49	10.89	22.27	33.16	82.20	-49.04	Peak	Vertical
8692.50	38.04	12.93	50.97	82.20	-31.23	Peak	Vertical
11480.50	34.58	18.42	53.00	82.20	-29.20	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+20+20MHz		

Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
125.06	20.73	16.46	37.19	82.20	-45.01	Peak	Horizontal
308.39	4.83	21.74	26.57	82.20	-55.63	Peak	Horizontal
7613.00	38.57	11.90	50.47	82.20	-31.73	Peak	Horizontal
10953.50	35.27	17.71	52.98	82.20	-29.22	Peak	Horizontal
123.61	15.51	16.60	32.11	82.20	-50.09	Peak	Vertical
313.73	7.48	21.96	29.44	82.20	-52.76	Peak	Vertical
7604.50	37.71	11.89	49.60	82.20	-32.60	Peak	Vertical
10715.50	36.10	17.38	53.48	82.20	-28.72	Peak	Vertical
Middle Channel							
124.09	20.07	16.55	36.62	82.20	-45.58	Peak	Horizontal
305.48	4.95	21.62	26.57	82.20	-55.63	Peak	Horizontal
7944.50	36.81	12.44	49.25	82.20	-32.95	Peak	Horizontal
10877.00	35.70	17.61	53.31	82.20	-28.89	Peak	Horizontal
123.61	15.60	16.60	32.20	82.20	-50.00	Peak	Vertical
227.88	11.26	19.69	30.95	82.20	-51.25	Peak	Vertical
8080.50	36.44	12.52	48.96	82.20	-33.24	Peak	Vertical
10970.50	35.58	17.74	53.32	82.20	-28.88	Peak	Vertical
Top Channel							
123.12	19.99	16.65	36.64	82.20	-45.56	Peak	Horizontal
493.66	4.95	25.70	30.65	82.20	-51.55	Peak	Horizontal
8063.50	36.17	12.52	48.69	82.20	-33.51	Peak	Horizontal
12169.00	35.79	17.85	53.64	82.20	-28.56	Peak	Horizontal
145.43	18.03	15.62	33.65	82.20	-48.55	Peak	Vertical
313.73	9.04	21.96	31.00	82.20	-51.20	Peak	Vertical
8760.50	37.18	13.09	50.27	82.20	-31.93	Peak	Vertical
10928.00	36.03	17.68	53.71	82.20	-28.49	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