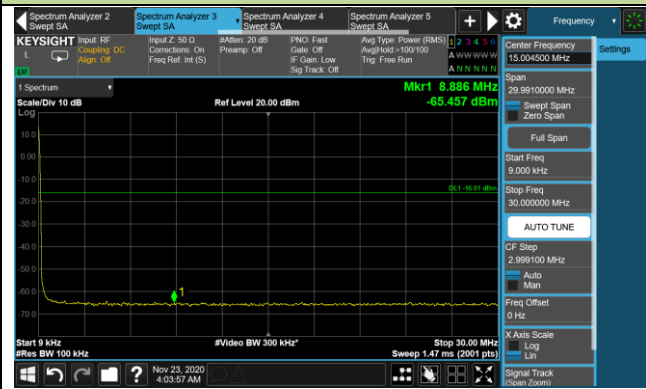


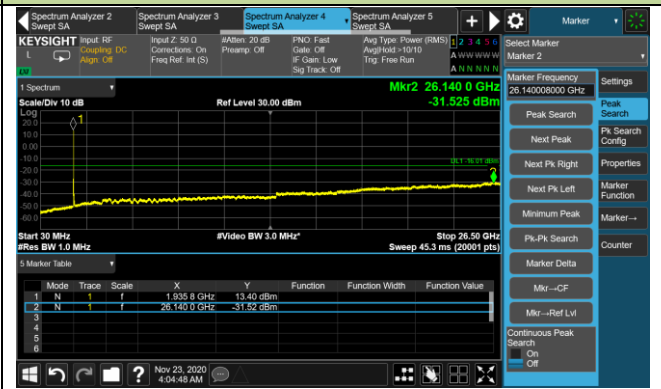
10MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

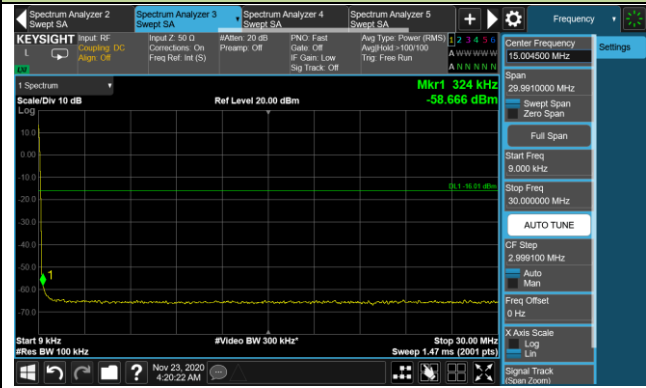


30MHz ~ 27.0GHz

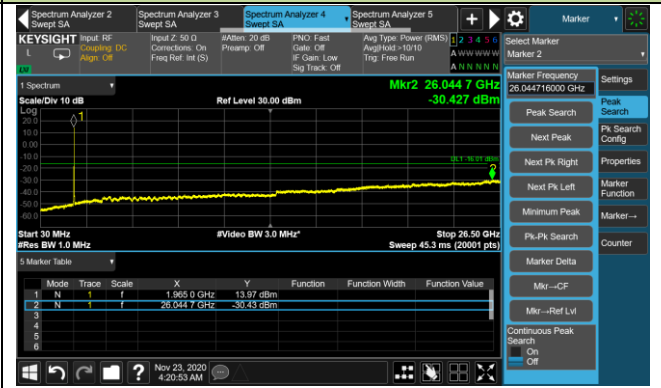


Middle Channel

9kHz ~ 30MHz

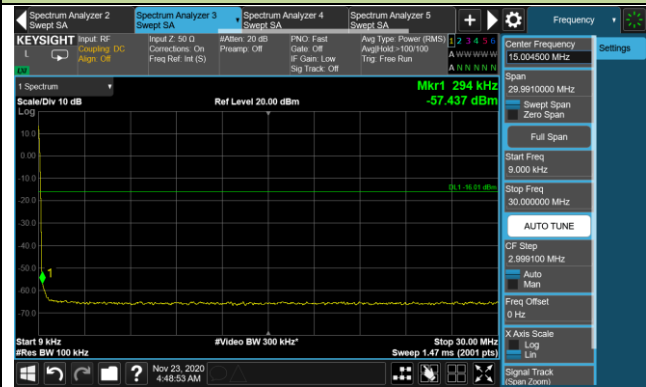


30MHz ~ 27.0GHz

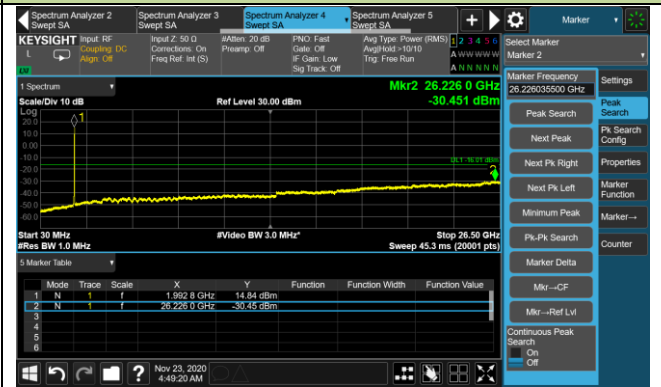


Top Channel

9kHz ~ 30MHz



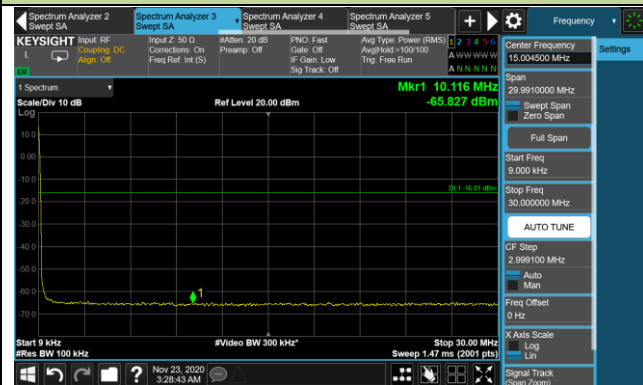
30MHz ~ 27.0GHz



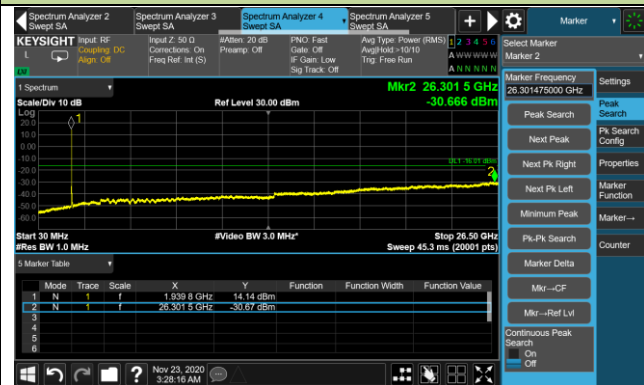
15MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

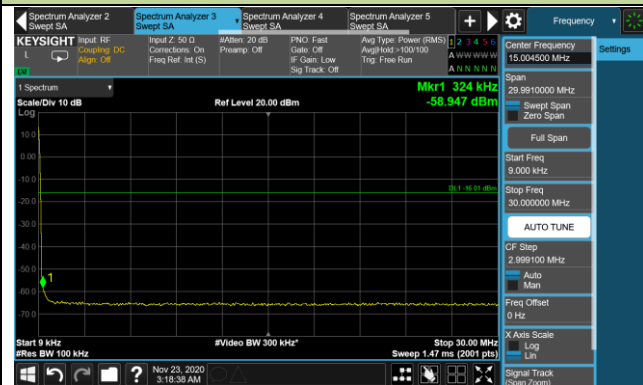


30MHz ~ 27.0GHz

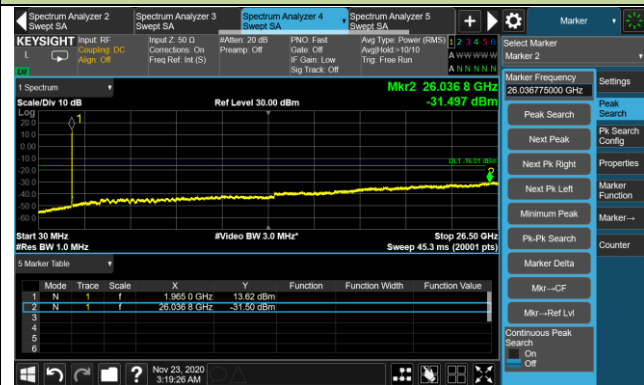


Middle Channel

9kHz ~ 30MHz

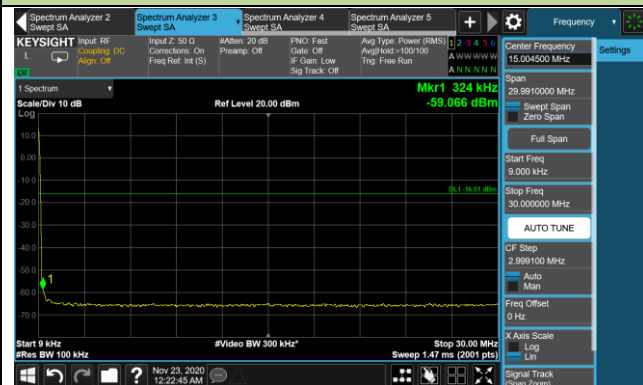


30MHz ~ 27.0GHz

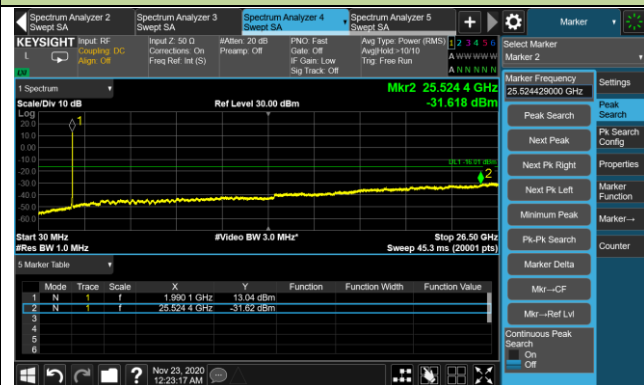


Top Channel

9kHz ~ 30MHz



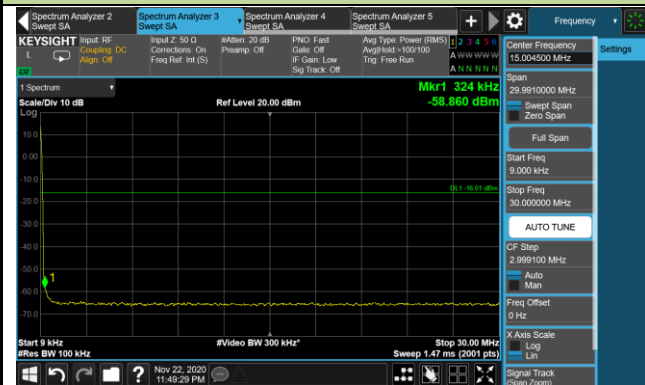
30MHz ~ 27.0GHz



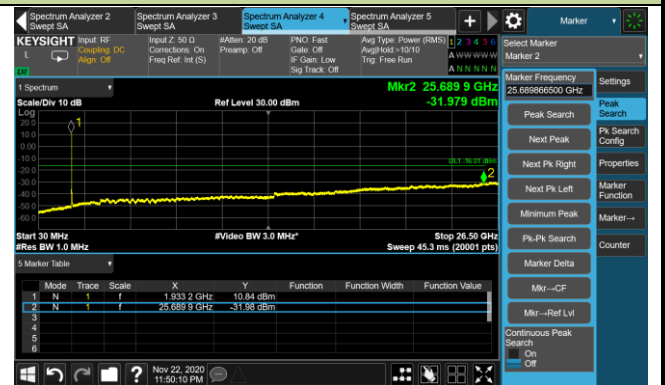
20MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

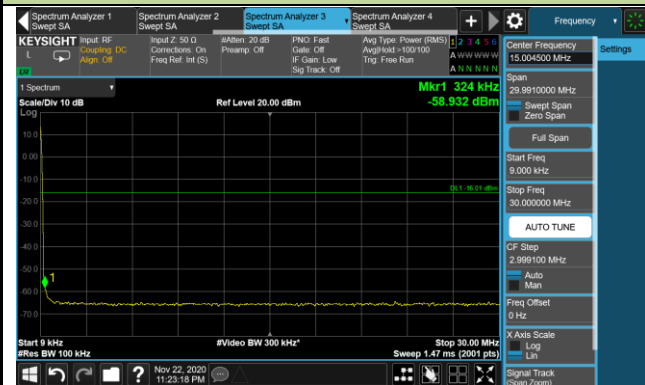


30MHz ~ 27.0GHz

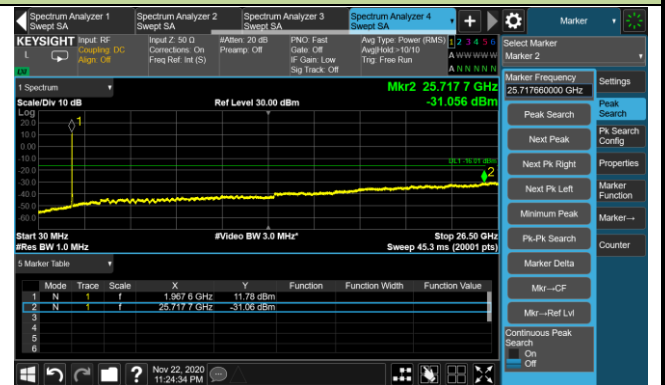


Middle Channel

9kHz ~ 30MHz

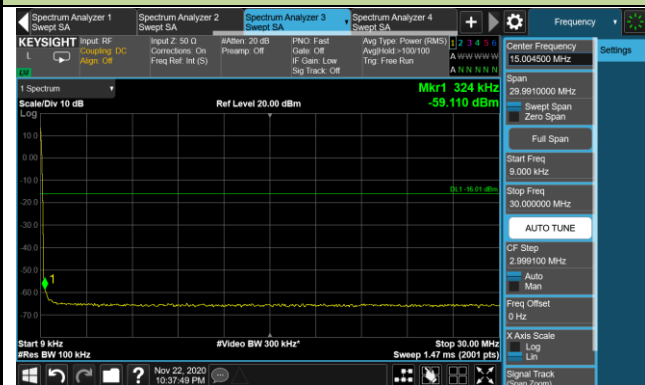


30MHz ~ 27.0GHz

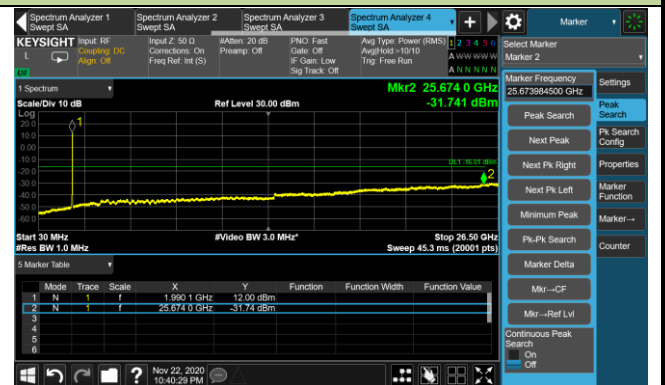


Top Channel

9kHz ~ 30MHz



30MHz ~ 27.0GHz



Product	AirScale Indoor Radio ASiR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2020/11/17 ~ 2020/12/30
Test Configuration	n66, QPSK		

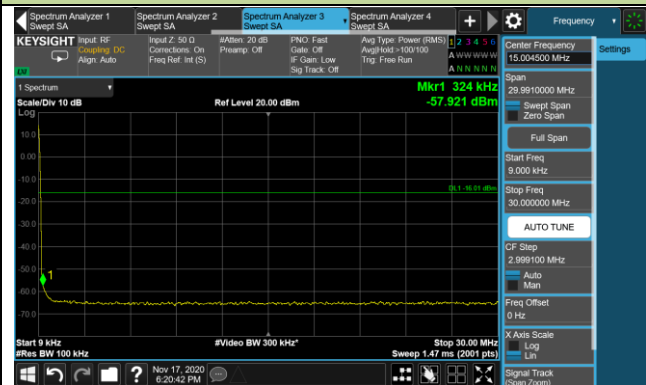
Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
2112.5	5	0.009 ~ 30	-57.921	≤ -16.01	Pass
		30 ~ 27000	-29.996	≤ -16.01	Pass
2145.0	5	0.009 ~ 30	-59.030	≤ -16.01	Pass
		30 ~ 27000	-30.353	≤ -16.01	Pass
2177.5	5	0.009 ~ 30	-59.109	≤ -16.01	Pass
		30 ~ 27000	-30.913	≤ -16.01	Pass
2115.0	10	0.009 ~ 30	-65.061	≤ -16.01	Pass
		30 ~ 27000	-30.884	≤ -16.01	Pass
2145.0	10	0.009 ~ 30	-58.434	≤ -16.01	Pass
		30 ~ 27000	-31.715	≤ -16.01	Pass
2175.0	10	0.009 ~ 30	-58.782	≤ -16.01	Pass
		30 ~ 27000	-31.452	≤ -16.01	Pass
2117.5	15	0.009 ~ 30	-65.477	≤ -16.01	Pass
		30 ~ 27000	-30.612	≤ -16.01	Pass
2145.0	15	0.009 ~ 30	-62.035	≤ -16.01	Pass
		30 ~ 27000	-30.794	≤ -16.01	Pass
2172.5	15	0.009 ~ 30	-63.910	≤ -16.01	Pass
		30 ~ 27000	-30.172	≤ -16.01	Pass
2120	20	0.009 ~ 30	-58.851	≤ -16.01	Pass
		30 ~ 27000	-30.850	≤ -16.01	Pass
2145.0	20	0.009 ~ 30	-63.680	≤ -16.01	Pass
		30 ~ 27000	-30.337	≤ -16.01	Pass
2170.0	20	0.009 ~ 30	-65.435	≤ -16.01	Pass
		30 ~ 27000	-29.911	≤ -16.01	Pass

Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
2112.5 + 2117.5	5 + 5	0.009 ~ 30	-52.627	≤ -16.01	Pass
		30 ~ 27000	-29.622	≤ -16.01	Pass
2140.0 + 2145.0	5 + 5	0.009 ~ 30	-52.953	≤ -16.01	Pass
		30 ~ 27000	-29.172	≤ -16.01	Pass
2172.5 + 2177.5	5 + 5	0.009 ~ 30	-52.902	≤ -16.01	Pass
		30 ~ 27000	-29.137	≤ -16.01	Pass
2115.0 + 2125.0	10 + 10	0.009 ~ 30	-52.303	≤ -16.01	Pass
		30 ~ 27000	-29.978	≤ -16.01	Pass
2135.0 + 2145.0	10 + 10	0.009 ~ 30	-53.770	≤ -16.01	Pass
		30 ~ 27000	-29.804	≤ -16.01	Pass
2165.0 + 2175.0	10 + 10	0.009 ~ 30	-52.962	≤ -16.01	Pass
		30 ~ 27000	-29.403	≤ -16.01	Pass
2117.5 + 2132.5	15 + 15	0.009 ~ 30	-51.769	≤ -16.01	Pass
		30 ~ 27000	-29.072	≤ -16.01	Pass
2130.0 + 2145.0	15 + 15	0.009 ~ 30	-63.620	≤ -16.01	Pass
		30 ~ 27000	-31.242	≤ -16.01	Pass
2157.5 + 2172.5	15 + 15	0.009 ~ 30	-62.721	≤ -16.01	Pass
		30 ~ 27000	-30.744	≤ -16.01	Pass
2120.0 + 2140.0	20 + 20	0.009 ~ 30	-64.162	≤ -16.01	Pass
		30 ~ 27000	-30.396	≤ -16.01	Pass
2125.0 + 2145.0	20 + 20	0.009 ~ 30	-64.071	≤ -16.01	Pass
		30 ~ 27000	-30.649	≤ -16.01	Pass
2150.0 + 2170.0	20 + 20	0.009 ~ 30	-63.824	≤ -16.01	Pass
		30 ~ 27000	-30.446	≤ -16.01	Pass

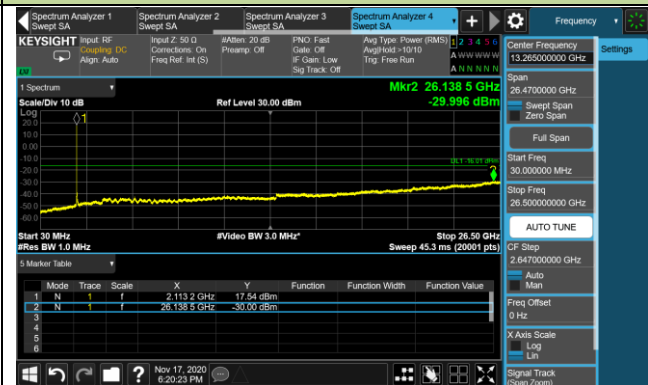
5MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

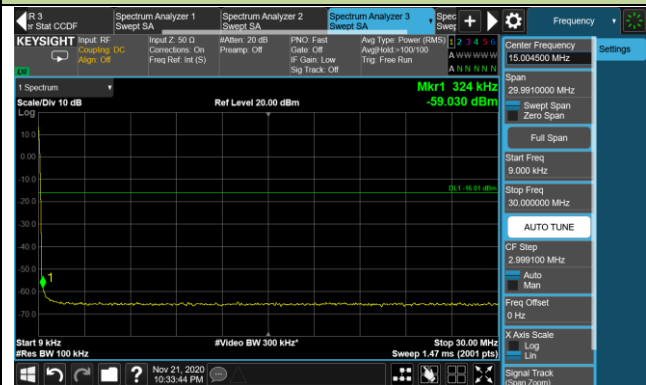


30MHz ~ 27.0GHz

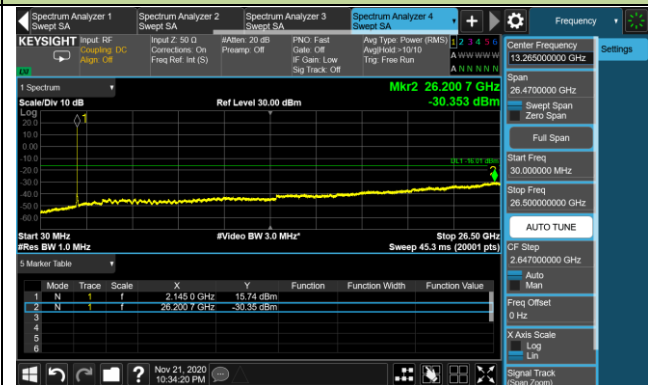


Middle Channel

9kHz ~ 30MHz

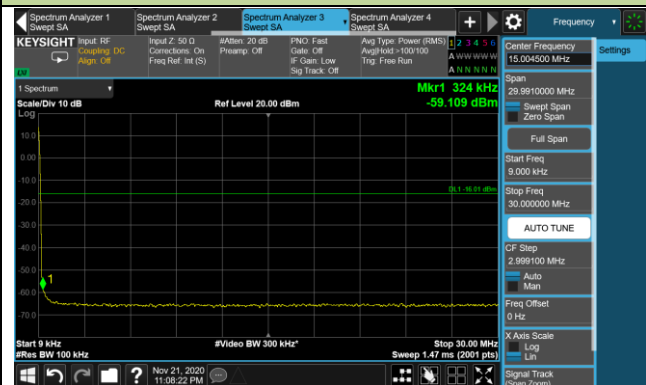


30MHz ~ 27.0GHz

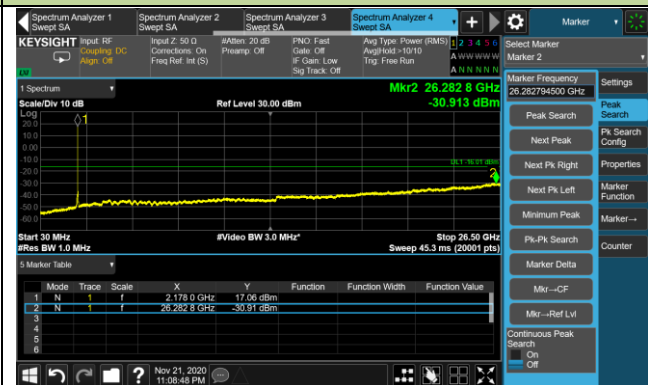


Top Channel

9kHz ~ 30MHz



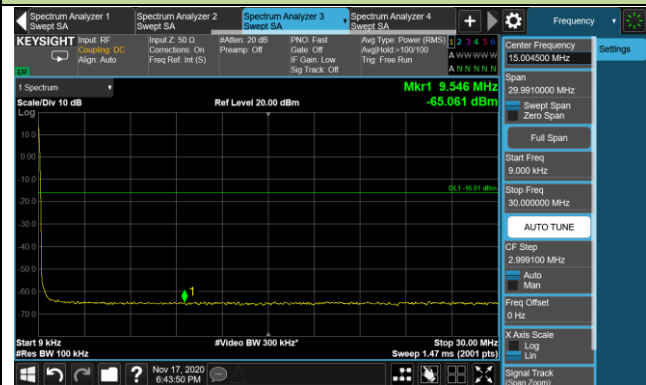
30MHz ~ 27.0GHz



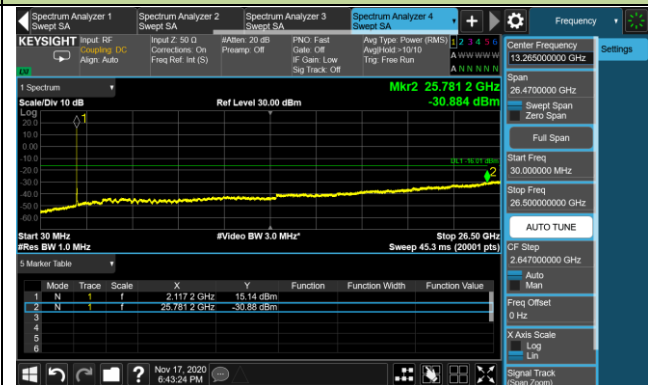
10MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

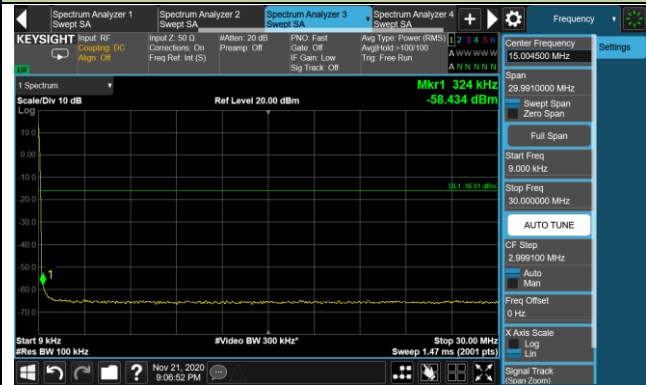


30MHz ~ 27.0GHz

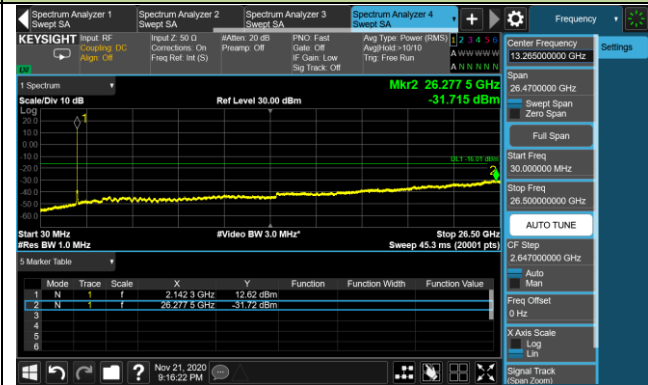


Middle Channel

9kHz ~ 30MHz

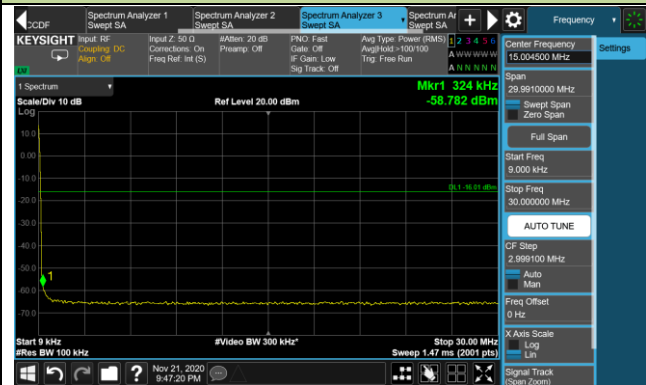


30MHz ~ 27.0GHz

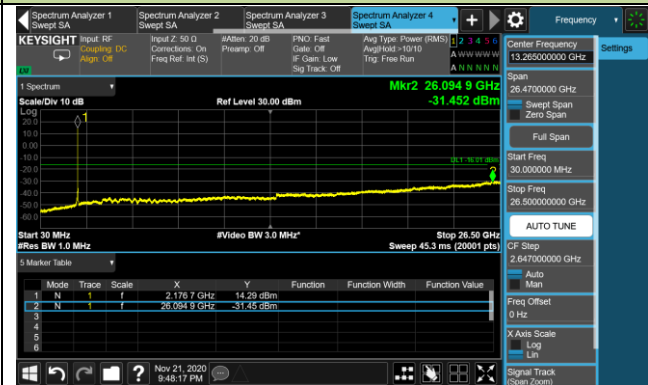


Top Channel

9kHz ~ 30MHz



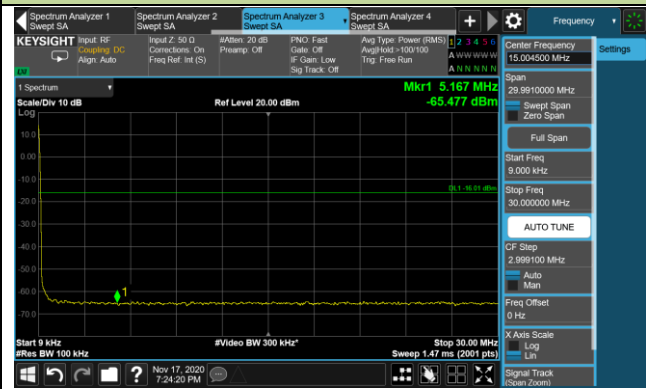
30MHz ~ 27.0GHz



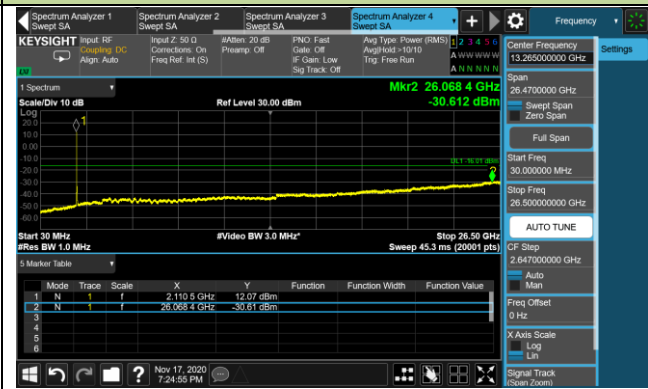
15MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

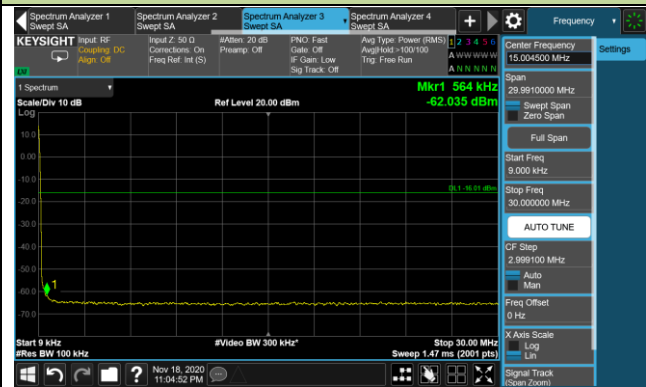


30MHz ~ 27.0GHz

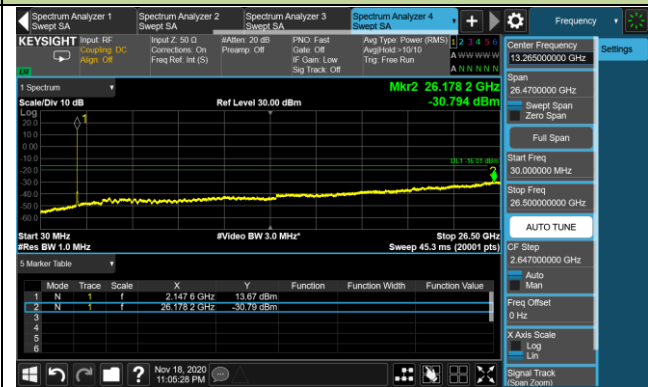


Middle Channel

9kHz ~ 30MHz

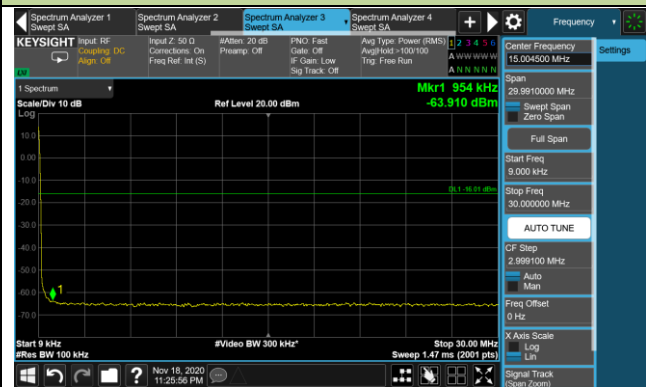


30MHz ~ 27.0GHz

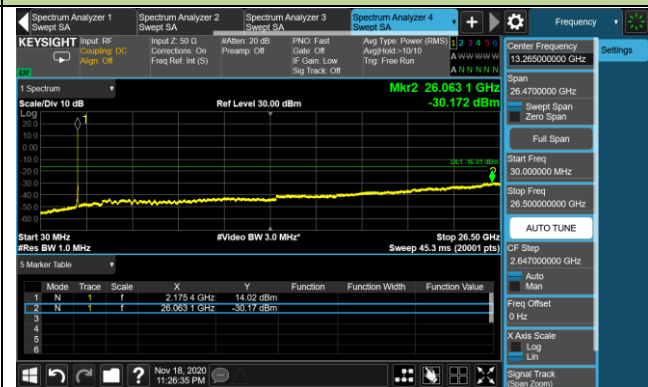


Top Channel

9kHz ~ 30MHz



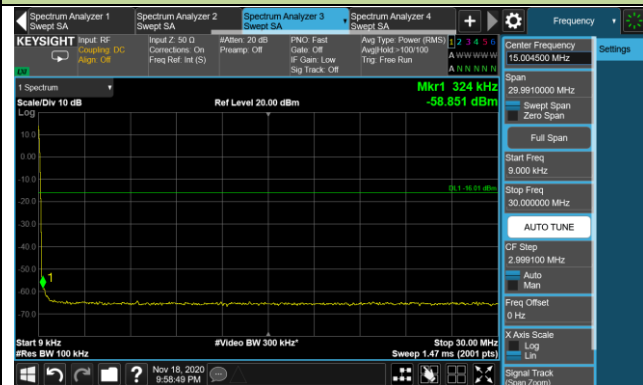
30MHz ~ 27.0GHz



20MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

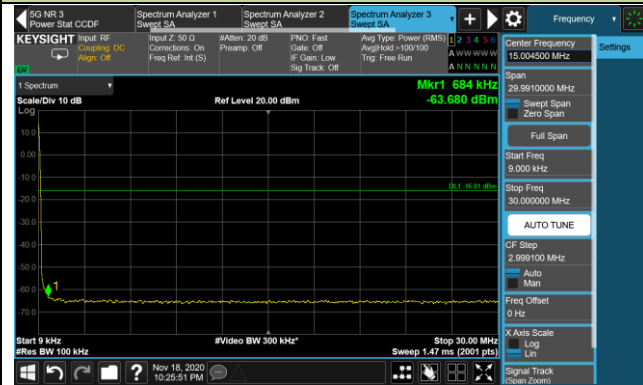


30MHz ~ 27.0GHz



Middle Channel

9kHz ~ 30MHz

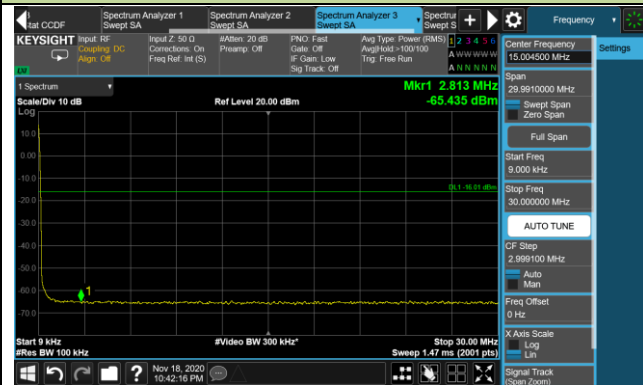


30MHz ~ 27.0GHz



Top Channel

9kHz ~ 30MHz



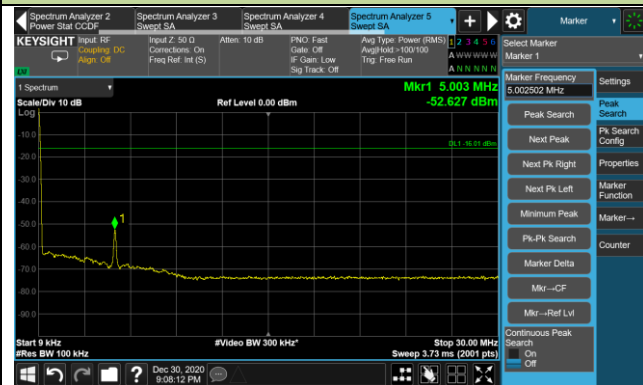
30MHz ~ 27.0GHz



5 + 5MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

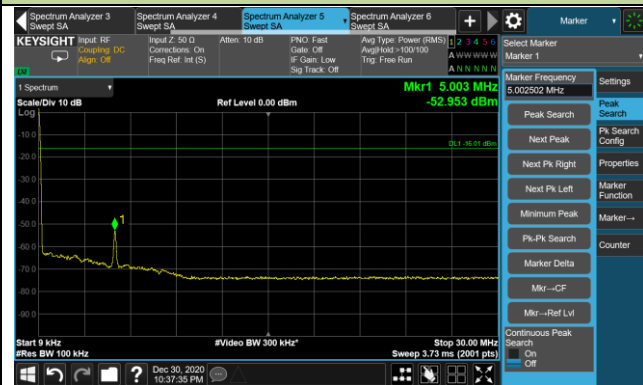


30MHz ~ 27.0GHz



Middle Channel

9kHz ~ 30MHz

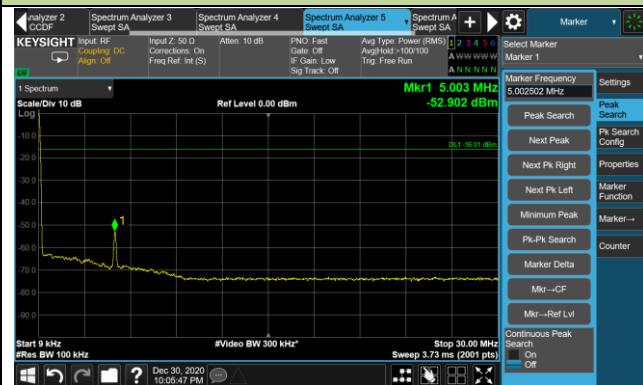


30MHz ~ 27.0GHz

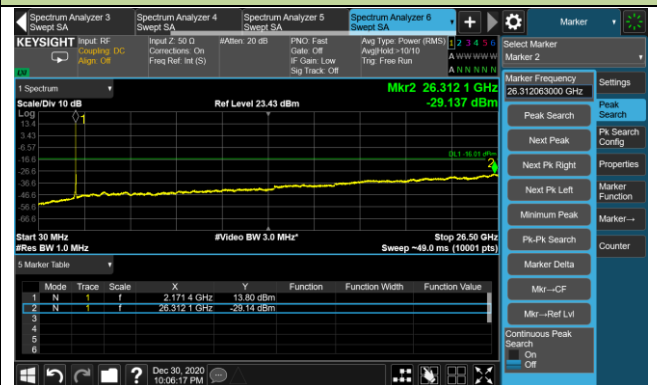


Top Channel

9kHz ~ 30MHz



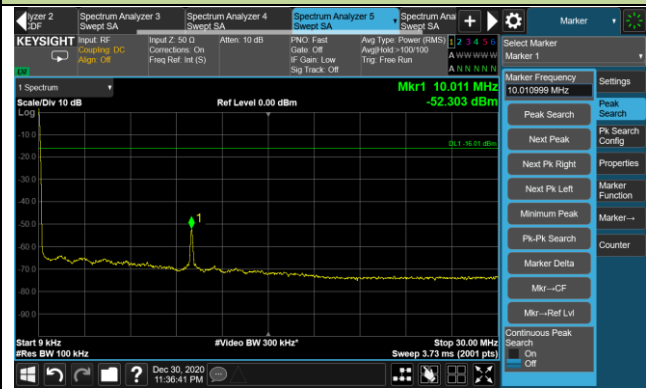
30MHz ~ 27.0GHz



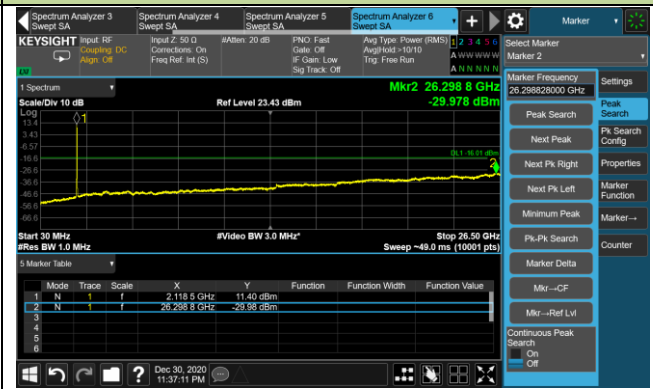
10 + 10MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

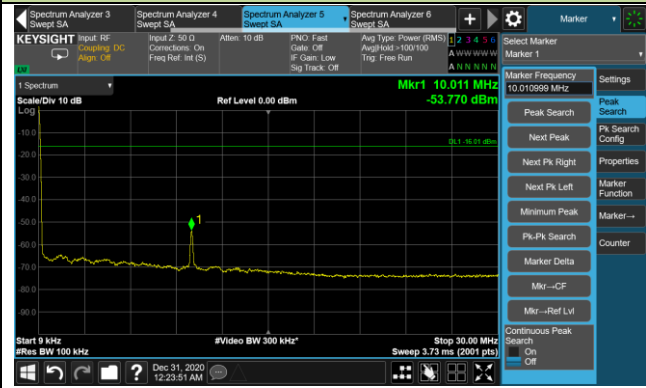


30MHz ~ 27.0GHz

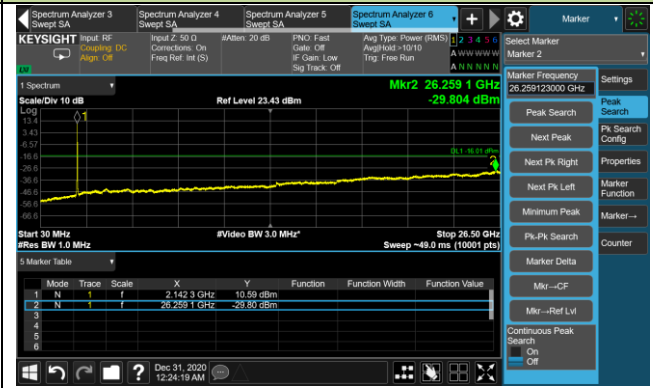


Middle Channel

9kHz ~ 30MHz



30MHz ~ 27.0GHz

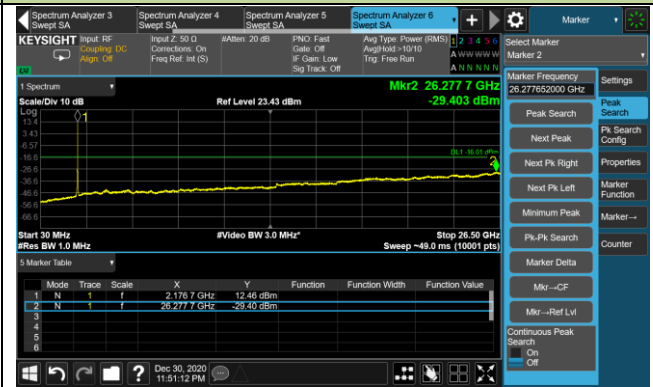


Top Channel

9kHz ~ 30MHz



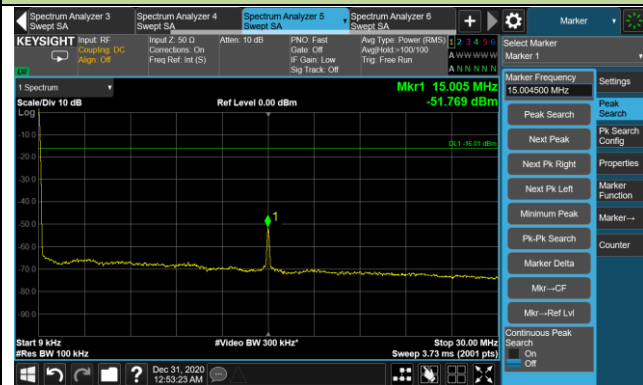
30MHz ~ 27.0GHz



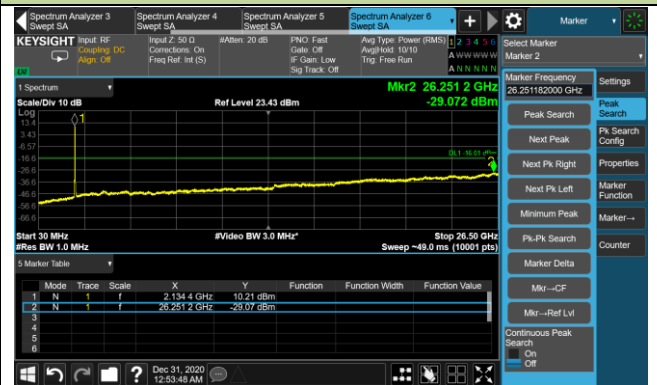
15 + 15MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

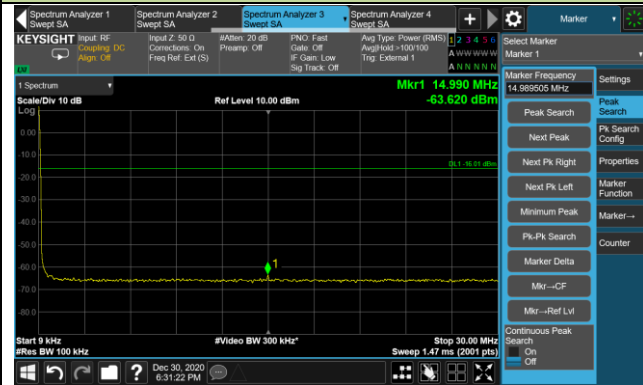


30MHz ~ 27.0GHz



Middle Channel

9kHz ~ 30MHz

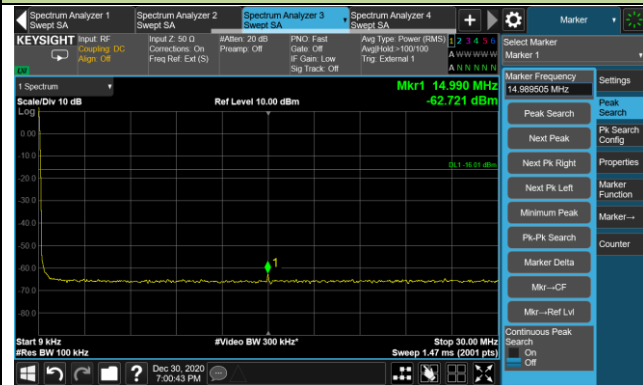


30MHz ~ 27.0GHz



Top Channel

9kHz ~ 30MHz



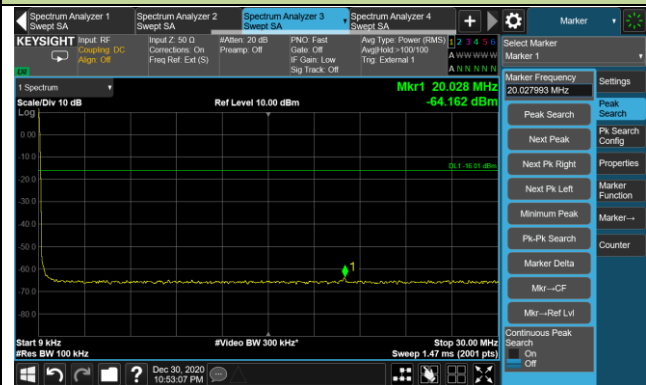
30MHz ~ 27.0GHz



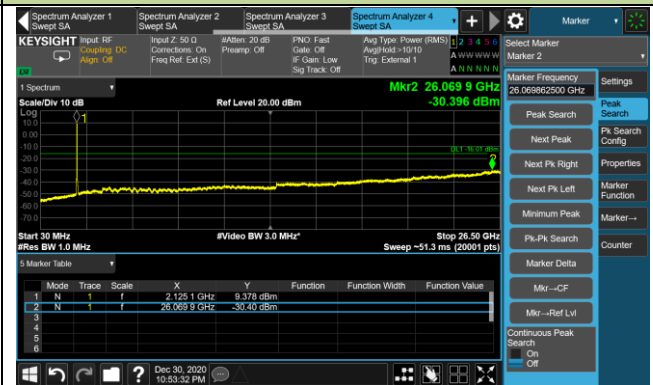
20 + 20MHz Channel Bandwidth

Bottom Channel

9kHz ~ 30MHz

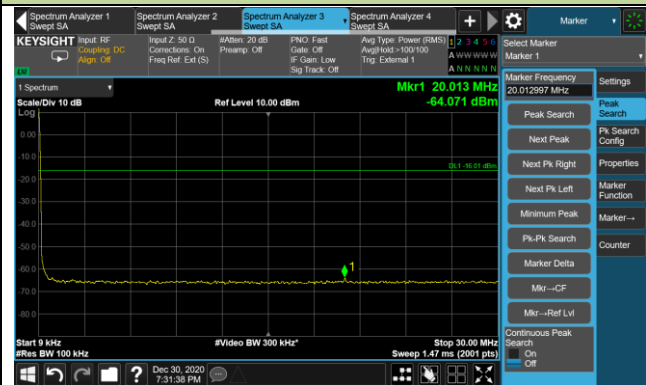


30MHz ~ 27.0GHz

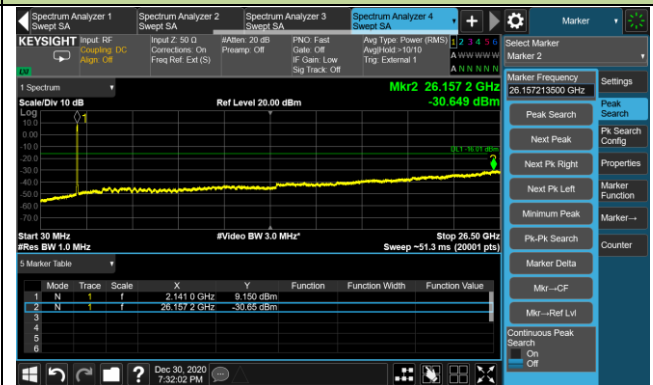


Middle Channel

9kHz ~ 30MHz

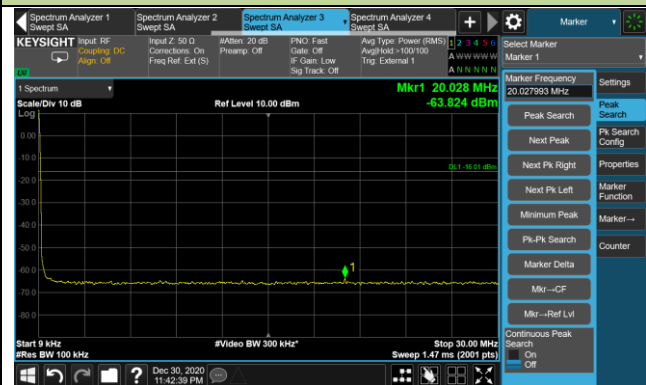


30MHz ~ 27.0GHz

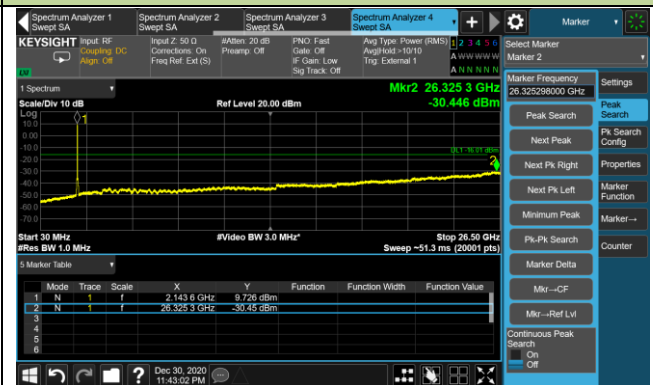


Top Channel

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

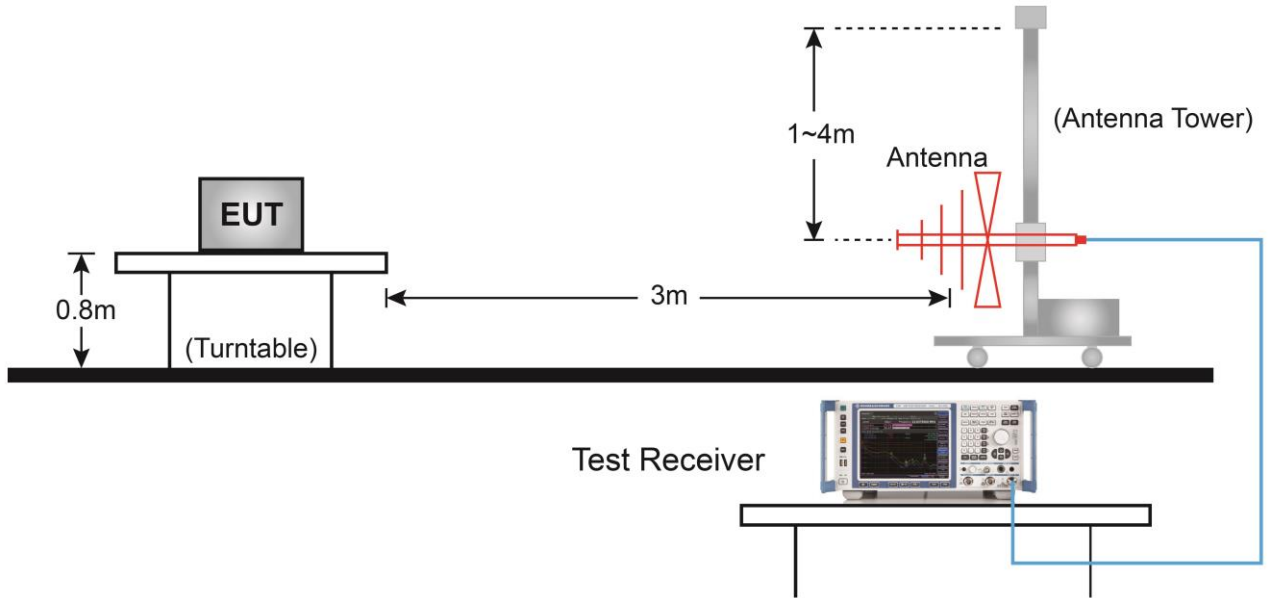
ANSI C63.26-2015 - Section 5.2.7 & 5.5

6.8.3. Test Setting

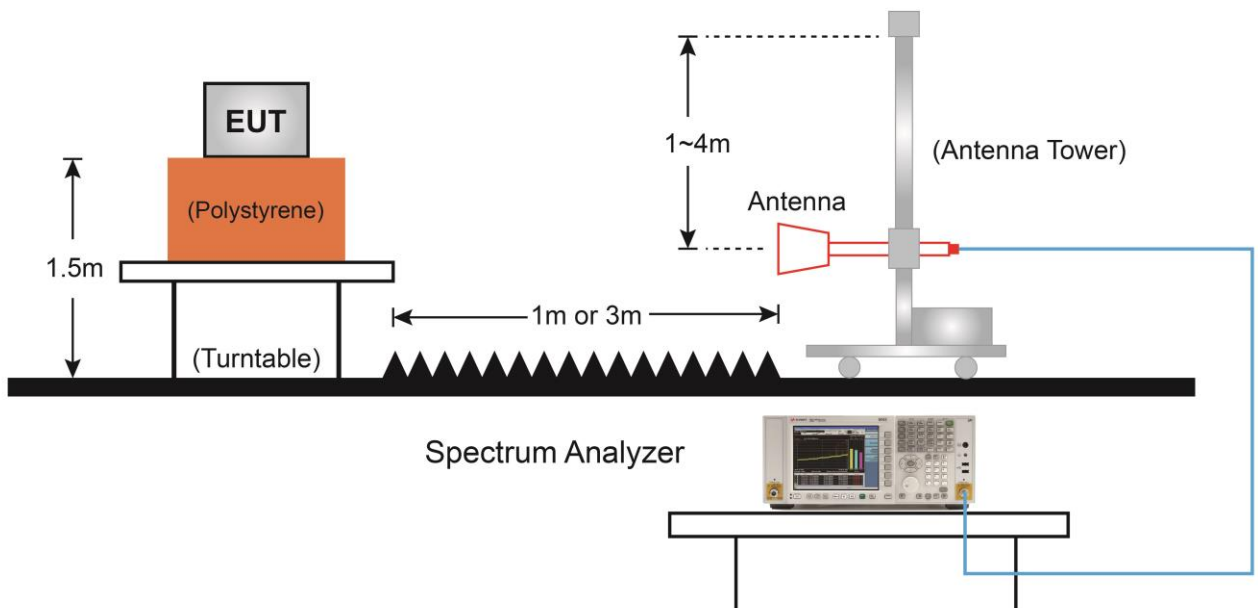
1. RBW = 100kHz or 1MHz
2. VBW \geq 3*RBW
3. Sweep time \geq 10 \times (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

6.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.8.5. Test Result

Product	AirScale Indoor Radio ASiR-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n25 (Single Carrier), QPSK, BW = 5MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
344.77	19.17	23.22	42.39	82.30	-39.91	Peak	Horizontal
404.91	16.11	24.23	40.34	82.30	-41.96	Peak	Horizontal
163.86	16.82	16.21	33.03	82.30	-49.27	Peak	Vertical
351.56	18.47	23.45	41.92	82.30	-40.38	Peak	Vertical
7647.00	34.30	11.95	46.25	82.30	-36.05	Peak	Horizontal
9661.50	39.39	14.72	54.11	82.30	-28.19	Peak	Horizontal
5063.00	39.58	3.82	43.40	82.30	-38.90	Peak	Vertical
7630.00	33.97	11.93	45.90	82.30	-36.40	Peak	Vertical
Middle Channel							
347.19	19.25	23.32	42.57	82.30	-39.73	Peak	Horizontal
409.27	16.04	24.30	40.34	82.30	-41.96	Peak	Horizontal
166.77	16.49	16.28	32.77	82.30	-49.53	Peak	Vertical
349.13	18.69	23.40	42.09	82.30	-40.21	Peak	Vertical
6355.00	36.55	7.46	44.01	82.30	-38.29	Peak	Horizontal
7604.50	33.91	11.89	45.80	82.30	-36.50	Peak	Horizontal
5471.00	37.24	4.24	41.48	82.30	-40.82	Peak	Vertical
7604.50	33.91	11.89	45.80	82.30	-36.50	Peak	Vertical
Top Channel							
344.28	19.27	23.20	42.47	82.30	-39.83	Peak	Horizontal
402.48	16.98	24.20	41.18	82.30	-41.12	Peak	Horizontal
164.83	18.65	16.23	34.88	82.30	-47.42	Peak	Vertical
347.68	18.25	23.34	41.59	82.30	-40.71	Peak	Vertical
8174.00	34.61	12.50	47.11	82.30	-35.19	Peak	Horizontal
11956.50	41.92	17.87	59.79	82.30	-22.51	Peak	Horizontal
7579.00	35.94	11.84	47.78	82.30	-34.52	Peak	Vertical
11956.50	43.40	17.87	61.27	82.30	-21.03	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n25 (Single Carrier), QPSK, BW = 10MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
347.68	18.87	23.34	42.21	82.30	-40.09	Peak	Horizontal
406.85	15.88	24.26	40.14	82.30	-42.16	Peak	Horizontal
165.32	17.57	16.24	33.81	82.30	-48.49	Peak	Vertical
348.16	18.03	23.36	41.39	82.30	-40.91	Peak	Vertical
7145.50	37.86	10.71	48.57	82.30	-33.73	Peak	Horizontal
9678.50	41.11	14.76	55.87	82.30	-26.43	Peak	Horizontal
6465.50	36.15	7.94	44.09	82.30	-38.21	Peak	Vertical
7672.50	35.24	12.00	47.24	82.30	-35.06	Peak	Vertical
Middle Channel							
344.28	18.32	23.20	41.52	82.30	-40.78	Peak	Horizontal
413.64	16.24	24.36	40.60	82.30	-41.70	Peak	Horizontal
164.83	17.04	16.23	33.27	82.30	-49.03	Peak	Vertical
352.04	18.10	23.46	41.56	82.30	-40.74	Peak	Vertical
7800.00	33.02	12.20	45.22	82.30	-37.08	Peak	Horizontal
9814.50	37.94	15.01	52.95	82.30	-29.35	Peak	Horizontal
7808.50	34.14	12.22	46.36	82.30	-35.94	Peak	Vertical
11786.50	36.90	18.09	54.99	82.30	-27.31	Peak	Vertical
Top Channel							
347.19	19.47	23.32	42.79	82.30	-39.51	Peak	Horizontal
402.48	15.96	24.20	40.16	82.30	-42.14	Peak	Horizontal
163.38	18.25	16.20	34.45	82.30	-47.85	Peak	Vertical
352.53	18.23	23.47	41.70	82.30	-40.60	Peak	Vertical
4629.50	41.38	2.86	44.24	82.30	-38.06	Peak	Horizontal
7230.50	36.81	10.95	47.76	82.30	-34.54	Peak	Horizontal
7919.00	34.88	12.40	47.28	82.30	-35.02	Peak	Vertical
11939.50	38.09	17.90	55.99	82.30	-26.31	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n25 (Single Carrier), QPSK, BW = 15MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
365.14	18.28	23.65	41.93	82.30	-40.37	Peak	Horizontal
411.21	15.51	24.32	39.83	82.30	-42.47	Peak	Horizontal
163.38	16.16	16.20	32.36	82.30	-49.94	Peak	Vertical
350.10	18.16	23.43	41.59	82.30	-40.71	Peak	Vertical
7740.50	33.94	12.11	46.05	82.30	-36.25	Peak	Horizontal
9670.00	39.50	14.74	54.24	82.30	-28.06	Peak	Horizontal
4799.50	40.72	3.27	43.99	82.30	-38.31	Peak	Vertical
7043.50	36.60	10.42	47.02	82.30	-35.28	Peak	Vertical
Middle Channel							
115.36	10.43	17.77	28.20	82.30	-54.10	Peak	Horizontal
363.20	18.89	23.62	42.51	82.30	-39.79	Peak	Horizontal
165.80	17.33	16.25	33.58	82.30	-48.72	Peak	Vertical
350.10	18.16	23.43	41.59	82.30	-40.71	Peak	Vertical
5454.00	37.89	4.22	42.11	82.30	-40.19	Peak	Horizontal
6525.00	36.87	8.21	45.08	82.30	-37.22	Peak	Horizontal
6525.00	36.87	8.21	45.08	82.30	-37.22	Peak	Vertical
7740.50	35.00	12.11	47.11	82.30	-35.19	Peak	Vertical
Top Channel							
351.56	18.26	23.45	41.71	82.30	-40.59	Peak	Horizontal
418.00	15.58	24.42	40.00	82.30	-42.30	Peak	Horizontal
165.32	18.00	16.24	34.24	82.30	-48.06	Peak	Vertical
347.68	18.09	23.34	41.43	82.30	-40.87	Peak	Vertical
7579.00	37.23	11.84	49.07	82.30	-33.23	Peak	Horizontal
9933.50	37.63	15.24	52.87	82.30	-29.43	Peak	Horizontal
4884.50	37.81	3.47	41.28	82.30	-41.02	Peak	Vertical
7111.50	36.02	10.62	46.64	82.30	-35.66	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n25 (Single Carrier), QPSK, 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							
161.92	13.18	16.16	29.34	82.30	-52.96	Peak	Horizontal
365.14	17.79	23.65	41.44	82.30	-40.86	Peak	Horizontal
164.35	16.18	16.22	32.40	82.30	-49.90	Peak	Vertical
350.10	18.15	23.43	41.58	82.30	-40.72	Peak	Vertical
6763.00	35.21	9.26	44.47	82.30	-37.83	Peak	Horizontal
8973.00	36.54	13.61	50.15	82.30	-32.15	Peak	Horizontal
5751.50	39.95	5.08	45.03	82.30	-37.27	Peak	Vertical
7434.50	34.97	11.53	46.50	82.30	-35.80	Peak	Vertical
Middle Channel							
112.94	10.01	18.19	28.20	82.30	-54.10	Peak	Horizontal
367.08	17.62	23.68	41.30	82.30	-41.00	Peak	Horizontal
161.44	18.15	16.15	34.30	82.30	-48.00	Peak	Vertical
349.62	18.31	23.41	41.72	82.30	-40.58	Peak	Vertical
5972.50	37.82	5.80	43.62	82.30	-38.68	Peak	Horizontal
7893.50	35.29	12.36	47.65	82.30	-34.65	Peak	Horizontal
6423.00	36.54	7.75	44.29	82.30	-38.01	Peak	Vertical
8004.00	35.10	12.53	47.63	82.30	-34.67	Peak	Vertical
Top Channel							
362.71	19.12	23.62	42.74	82.30	-39.56	Peak	Horizontal
416.06	15.30	24.39	39.69	82.30	-42.61	Peak	Horizontal
164.35	17.94	16.22	34.16	82.30	-48.14	Peak	Vertical
346.22	18.34	23.28	41.62	82.30	-40.68	Peak	Vertical
7273.00	38.75	11.07	49.82	82.30	-32.48	Peak	Horizontal
11565.50	33.70	18.37	52.07	82.30	-30.23	Peak	Horizontal
6576.00	38.67	8.43	47.10	82.30	-35.20	Peak	Vertical
7842.50	34.74	12.27	47.01	82.30	-35.29	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n66 (Single Carrier), QPSK, BW = 5MHz		

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							
362.23	18.77	23.61	42.38	82.30	-39.92	Peak	Horizontal
411.70	15.00	24.33	39.33	82.30	-42.97	Peak	Horizontal
163.38	17.40	16.20	33.60	82.30	-48.70	Peak	Vertical
346.22	17.58	23.28	40.86	82.30	-41.44	Peak	Vertical
6287.00	36.84	7.16	44.00	82.30	-38.30	Peak	Horizontal
8454.50	40.61	12.46	53.07	82.30	-29.23	Peak	Horizontal
5505.00	37.99	4.29	42.28	82.30	-40.02	Peak	Vertical
8029.50	36.83	12.53	49.36	82.30	-32.94	Peak	Vertical
Middle Channel							
111.97	12.43	18.36	30.79	82.30	-51.51	Peak	Horizontal
363.20	18.57	23.62	42.19	82.30	-40.11	Peak	Horizontal
162.41	16.27	16.18	32.45	82.30	-49.85	Peak	Vertical
351.56	17.96	23.45	41.41	82.30	-40.89	Peak	Vertical
6644.00	34.55	8.73	43.28	82.30	-39.02	Peak	Horizontal
8582.00	40.20	12.66	52.86	82.30	-29.44	Peak	Horizontal
6057.50	36.44	6.14	42.58	82.30	-39.72	Peak	Vertical
8276.00	34.76	12.49	47.25	82.30	-35.05	Peak	Vertical
Top Channel							
115.36	9.51	17.77	27.28	82.30	-55.02	Peak	Horizontal
361.26	19.18	23.59	42.77	82.30	-39.53	Peak	Horizontal
163.38	17.05	16.20	33.25	82.30	-49.05	Peak	Vertical
350.10	17.99	23.43	41.42	82.30	-40.88	Peak	Vertical
6159.50	37.91	6.59	44.50	82.30	-37.80	Peak	Horizontal
8709.50	40.91	12.97	53.88	82.30	-28.42	Peak	Horizontal
5241.50	37.96	4.00	41.96	82.30	-40.34	Peak	Vertical
7443.00	35.18	11.55	46.73	82.30	-35.57	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n66 (Single Carrier), QPSK, BW = 10MHz		

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							
361.26	18.80	23.59	42.39	82.30	-39.91	Peak	Horizontal
409.27	15.05	24.30	39.35	82.30	-42.95	Peak	Horizontal
165.80	17.76	16.25	34.01	82.30	-48.29	Peak	Vertical
355.44	17.41	23.51	40.92	82.30	-41.38	Peak	Vertical
7171.00	35.91	10.78	46.69	82.30	-35.61	Peak	Horizontal
8046.50	37.46	12.52	49.98	82.30	-32.32	Peak	Horizontal
6754.50	35.66	9.22	44.88	82.30	-37.42	Peak	Vertical
9772.00	35.50	14.93	50.43	82.30	-31.87	Peak	Vertical
Middle Channel							
357.38	18.63	23.54	42.17	82.30	-40.13	Peak	Horizontal
409.27	15.45	24.30	39.75	82.30	-42.55	Peak	Horizontal
165.32	16.02	16.24	32.26	82.30	-50.04	Peak	Vertical
355.44	17.17	23.51	40.68	82.30	-41.62	Peak	Vertical
6329.50	37.73	7.34	45.07	82.30	-37.23	Peak	Horizontal
9024.00	35.02	13.72	48.74	82.30	-33.56	Peak	Horizontal
5836.50	36.71	5.36	42.07	82.30	-40.23	Peak	Vertical
7613.00	34.35	11.90	46.25	82.30	-36.05	Peak	Vertical
Top Channel							
114.39	10.09	17.94	28.03	82.30	-54.27	Peak	Horizontal
363.68	18.67	23.63	42.30	82.30	-40.00	Peak	Horizontal
163.38	17.29	16.20	33.49	82.30	-48.81	Peak	Vertical
355.44	17.64	23.51	41.15	82.30	-41.15	Peak	Vertical
5530.50	38.16	4.37	42.53	82.30	-39.77	Peak	Horizontal
7366.50	34.38	11.34	45.72	82.30	-36.58	Peak	Horizontal
6193.50	39.08	6.74	45.82	82.30	-36.48	Peak	Vertical
8497.00	35.04	12.46	47.50	82.30	-34.80	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n66 (Single Carrier), QPSK, BW = 15MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
360.29	19.08	23.58	42.66	82.30	-39.64	Peak	Horizontal
404.91	15.52	24.23	39.75	82.30	-42.55	Peak	Horizontal
161.92	17.39	16.16	33.55	82.30	-48.75	Peak	Vertical
350.59	18.35	23.44	41.79	82.30	-40.51	Peak	Vertical
6567.50	38.57	8.39	46.96	82.30	-35.34	Peak	Horizontal
9466.00	35.82	14.37	50.19	82.30	-32.11	Peak	Horizontal
7298.50	35.11	11.14	46.25	82.30	-36.05	Peak	Vertical
9466.00	35.82	14.37	50.19	82.30	-32.11	Peak	Vertical
Middle Channel							
363.20	18.86	23.62	42.48	82.30	-39.82	Peak	Horizontal
411.70	15.62	24.33	39.95	82.30	-42.35	Peak	Horizontal
165.32	16.35	16.24	32.59	82.30	-49.71	Peak	Vertical
353.01	17.87	23.47	41.34	82.30	-40.96	Peak	Vertical
5530.50	40.04	4.37	44.41	82.30	-37.89	Peak	Horizontal
7953.00	35.85	12.45	48.30	82.30	-34.00	Peak	Horizontal
5292.50	38.16	4.05	42.21	82.30	-40.09	Peak	Vertical
6737.50	35.97	9.14	45.11	82.30	-37.19	Peak	Vertical
Top Channel							
345.74	19.19	23.26	42.45	82.30	-39.85	Peak	Horizontal
415.09	15.30	24.38	39.68	82.30	-42.62	Peak	Horizontal
164.83	15.45	16.23	31.68	82.30	-50.62	Peak	Vertical
352.04	17.69	23.46	41.15	82.30	-41.15	Peak	Vertical
9457.50	36.43	14.36	50.79	82.30	-31.51	Peak	Horizontal
11208.50	33.32	18.06	51.38	82.30	-30.92	Peak	Horizontal
7434.50	35.64	11.53	47.17	82.30	-35.13	Peak	Vertical
9024.00	35.02	13.72	48.74	82.30	-33.56	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/12/07
Test Configuration	n66 (Single Carrier), QPSK, 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							
337.98	18.19	22.94	41.13	82.30	-41.17	Peak	Horizontal
406.85	15.11	24.26	39.37	82.30	-42.93	Peak	Horizontal
165.32	16.74	16.24	32.98	82.30	-49.32	Peak	Vertical
353.50	17.25	23.48	40.73	82.30	-41.57	Peak	Vertical
4485.00	39.83	2.50	42.33	82.30	-39.97	Peak	Horizontal
5530.50	39.33	4.37	43.70	82.30	-38.60	Peak	Horizontal
5530.50	39.33	4.37	43.70	82.30	-38.60	Peak	Vertical
6559.00	37.29	8.36	45.65	82.30	-36.65	Peak	Vertical
Middle Channel							
113.42	10.73	18.11	28.84	82.30	-53.46	Peak	Horizontal
363.20	18.67	23.62	42.29	82.30	-40.01	Peak	Horizontal
164.35	16.98	16.22	33.20	82.30	-49.10	Peak	Vertical
347.68	17.51	23.34	40.85	82.30	-41.45	Peak	Vertical
6822.50	35.33	9.52	44.85	82.30	-37.45	Peak	Horizontal
9032.50	35.08	13.73	48.81	82.30	-33.49	Peak	Horizontal
6023.50	37.11	5.99	43.10	82.30	-39.20	Peak	Vertical
7358.00	35.00	11.31	46.31	82.30	-35.99	Peak	Vertical
Top Channel							
162.41	13.05	16.18	29.23	82.30	-53.07	Peak	Horizontal
361.74	18.96	23.60	42.56	82.30	-39.74	Peak	Horizontal
163.38	17.15	16.20	33.35	82.30	-48.95	Peak	Vertical
350.59	18.23	23.44	41.67	82.30	-40.63	Peak	Vertical
4094.00	39.98	1.19	41.17	82.30	-41.13	Peak	Horizontal
5734.50	38.66	5.03	43.69	82.30	-38.61	Peak	Horizontal
6542.00	39.59	8.28	47.87	82.30	-34.43	Peak	Vertical
8055.00	36.20	12.52	48.72	82.30	-33.58	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/01/12
Test Configuration	n66 (Multi Carrier), QPSK, BW = 5 + 5MHz		

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							
389.87	19.02	24.01	43.03	82.30	-39.27	Peak	Horizontal
602.30	2.82	27.54	30.36	82.30	-51.94	Peak	Horizontal
346.22	15.39	23.28	38.67	82.30	-43.63	Peak	Vertical
575.14	5.49	27.06	32.55	82.30	-49.75	Peak	Vertical
5743.00	45.61	5.06	50.67	82.30	-31.63	Peak	Horizontal
8463.00	46.52	12.46	58.98	82.30	-23.32	Peak	Horizontal
5743.00	42.96	5.06	48.02	82.30	-34.28	Peak	Vertical
10486.00	36.37	17.02	53.39	82.30	-28.91	Peak	Vertical
Middle Channel							
389.87	19.14	24.01	43.15	82.30	-39.15	Peak	Horizontal
635.28	1.96	28.07	30.03	82.30	-52.27	Peak	Horizontal
343.31	15.15	23.16	38.31	82.30	-43.99	Peak	Vertical
575.14	5.13	27.06	32.19	82.30	-50.11	Peak	Vertical
5743.00	42.21	5.06	47.27	82.30	-35.03	Peak	Horizontal
8599.00	41.10	12.70	53.80	82.30	-28.50	Peak	Horizontal
5743.00	42.88	5.06	47.94	82.30	-34.36	Peak	Vertical
10537.00	35.15	17.12	52.27	82.30	-30.03	Peak	Vertical
Top Channel							
389.87	19.14	24.01	43.15	82.30	-39.15	Peak	Horizontal
575.14	2.47	27.06	29.53	82.30	-52.77	Peak	Horizontal
343.31	15.15	23.16	38.31	82.30	-43.99	Peak	Vertical
575.14	5.13	27.06	32.19	82.30	-50.11	Peak	Vertical
5743.00	39.88	5.06	44.94	82.30	-37.36	Peak	Horizontal
8701.00	42.16	12.95	55.11	82.30	-27.19	Peak	Horizontal
5743.00	41.34	5.06	46.40	82.30	-35.90	Peak	Vertical
8701.00	37.98	12.95	50.93	82.30	-31.37	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/01/12
Test Configuration	n66 (Multi Carrier), QPSK, BW = 10 + 10MHz		

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							
391.81	19.05	24.04	43.09	82.30	-39.21	Peak	Horizontal
624.61	2.95	27.90	30.85	82.30	-51.45	Peak	Horizontal
347.19	14.71	23.32	38.03	82.30	-44.27	Peak	Vertical
575.14	5.08	27.06	32.14	82.30	-50.16	Peak	Vertical
5743.00	41.34	5.06	46.40	82.30	-35.90	Peak	Horizontal
9500.00	37.07	14.42	51.49	82.30	-30.81	Peak	Horizontal
5743.00	42.33	5.06	47.39	82.30	-34.91	Peak	Vertical
9415.00	36.93	14.29	51.22	82.30	-31.08	Peak	Vertical
Middle Channel							
388.90	18.96	24.00	42.96	82.30	-39.34	Peak	Horizontal
575.14	3.67	27.06	30.73	82.30	-51.57	Peak	Horizontal
345.25	14.86	23.24	38.10	82.30	-44.20	Peak	Vertical
575.14	5.95	27.06	33.01	82.30	-49.29	Peak	Vertical
5777.00	40.10	5.17	45.27	82.30	-37.03	Peak	Horizontal
9449.00	36.57	14.34	50.91	82.30	-31.39	Peak	Horizontal
5760.00	42.56	5.11	47.67	82.30	-34.63	Peak	Vertical
9755.00	36.81	14.90	51.71	82.30	-30.59	Peak	Vertical
Top Channel							
389.87	19.38	24.01	43.39	82.30	-38.91	Peak	Horizontal
575.14	2.94	27.06	30.00	82.30	-52.30	Peak	Horizontal
345.25	15.39	23.24	38.63	82.30	-43.67	Peak	Vertical
575.14	5.72	27.06	32.78	82.30	-49.52	Peak	Vertical
5777.00	41.13	5.17	46.30	82.30	-36.00	Peak	Horizontal
8684.00	37.94	12.91	50.85	82.30	-31.45	Peak	Horizontal
5777.00	41.48	5.17	46.65	82.30	-35.65	Peak	Vertical
9772.00	36.33	14.93	51.26	82.30	-31.04	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/01/12
Test Configuration	n66 (Multi Carrier), QPSK, BW = 15 + 15MHz		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Bottom Channel							
390.84	19.64	24.03	43.67	82.30	-38.63	Peak	Horizontal
734.22	3.52	29.62	33.14	82.30	-49.16	Peak	Horizontal
361.74	14.72	23.60	38.32	82.30	-43.98	Peak	Vertical
575.14	4.75	27.06	31.81	82.30	-50.49	Peak	Vertical
5726.00	39.64	5.00	44.64	82.30	-37.66	Peak	Horizontal
10486.00	35.02	17.02	52.04	82.30	-30.26	Peak	Horizontal
7477.00	37.08	11.65	48.73	82.30	-33.57	Peak	Vertical
10877.00	34.48	17.61	52.09	82.30	-30.21	Peak	Vertical
Middle Channel							
391.81	19.25	24.04	43.29	82.30	-39.01	Peak	Horizontal
753.62	2.72	29.85	32.57	82.30	-49.73	Peak	Horizontal
356.89	14.70	23.53	38.23	82.30	-44.07	Peak	Vertical
575.14	5.61	27.06	32.67	82.30	-49.63	Peak	Vertical
8582.00	36.22	12.66	48.88	82.30	-33.42	Peak	Horizontal
10962.00	35.08	17.73	52.81	82.30	-29.49	Peak	Horizontal
7120.00	37.66	10.64	48.30	82.30	-34.00	Peak	Vertical
10384.00	36.07	16.67	52.74	82.30	-29.56	Peak	Vertical
Top Channel							
389.87	19.34	24.01	43.35	82.30	-38.95	Peak	Horizontal
724.52	2.67	29.51	32.18	82.30	-50.12	Peak	Horizontal
347.19	14.76	23.32	38.08	82.30	-44.22	Peak	Vertical
575.14	5.31	27.06	32.37	82.30	-49.93	Peak	Vertical
7239.00	37.79	10.98	48.77	82.30	-33.53	Peak	Horizontal
10520.00	35.42	17.10	52.52	82.30	-29.78	Peak	Horizontal
6355.00	37.65	7.46	45.11	82.30	-37.19	Peak	Vertical
9500.00	37.64	14.42	52.06	82.30	-30.24	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-pRRH	Test Engineer	Kevin Ker
Test Site	AC1	Test Date	2020/01/12
Test Configuration	n66 (Multi Carrier), QPSK, BW = 20 + 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							
391.81	19.78	24.04	43.82	82.30	-38.48	Peak	Horizontal
705.12	2.61	29.28	31.89	82.30	-50.41	Peak	Horizontal
375.32	14.72	23.80	38.52	82.30	-43.78	Peak	Vertical
575.14	5.77	27.06	32.83	82.30	-49.47	Peak	Vertical
5743.00	41.75	5.06	46.81	82.30	-35.49	Peak	Horizontal
9857.00	36.06	15.09	51.15	82.30	-31.15	Peak	Horizontal
5760.00	40.18	5.11	45.29	82.30	-37.01	Peak	Vertical
11047.00	34.75	17.84	52.59	82.30	-29.71	Peak	Vertical
Middle Channel							
389.87	19.64	24.01	43.65	82.30	-38.65	Peak	Horizontal
979.63	4.20	32.23	36.43	82.30	-45.87	Peak	Horizontal
407.33	13.82	24.27	38.09	82.30	-44.21	Peak	Vertical
575.14	6.42	27.06	33.48	82.30	-48.82	Peak	Vertical
7120.00	37.15	10.64	47.79	82.30	-34.51	Peak	Horizontal
10588.00	35.58	17.19	52.77	82.30	-29.53	Peak	Horizontal
6423.00	37.92	7.75	45.67	82.30	-36.63	Peak	Vertical
10639.00	35.47	17.27	52.74	82.30	-29.56	Peak	Vertical
Top Channel							
389.87	20.29	24.01	44.30	82.30	-38.00	Peak	Horizontal
756.53	2.61	29.87	32.48	82.30	-49.82	Peak	Horizontal
385.99	15.08	23.96	39.04	82.30	-43.26	Peak	Vertical
575.14	5.44	27.06	32.50	82.30	-49.80	Peak	Vertical
7120.00	36.81	10.64	47.45	82.30	-34.85	Peak	Horizontal
10877.00	35.65	17.61	53.26	82.30	-29.04	Peak	Horizontal
7239.00	38.47	10.98	49.45	82.30	-32.85	Peak	Vertical
10843.00	35.02	17.56	52.58	82.30	-29.72	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)

7. CONCLUSION

The data collected relate only the item(s) tested and show that the **AirScale Indoor Radio ASiR-pRRH** is compliance with FCC Rules.

The End