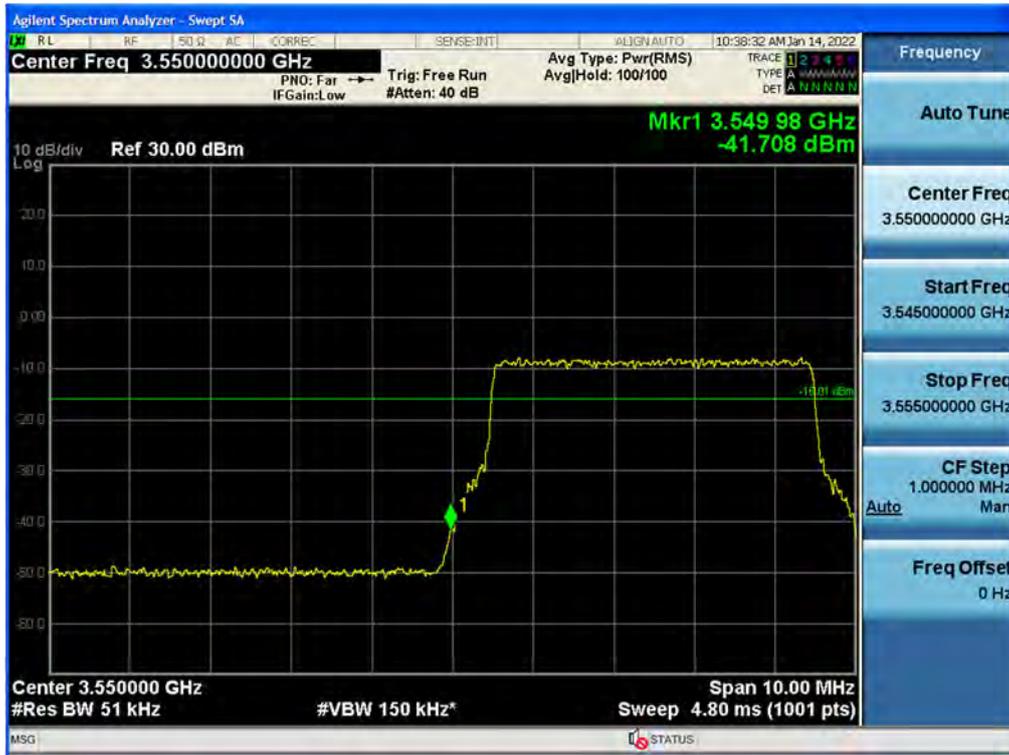


Antenna 0 / CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)] / Non-Contiguous / 256QAM / Low Left



Antenna 0 / CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)] / Non-Contiguous / 64QAM / High Right



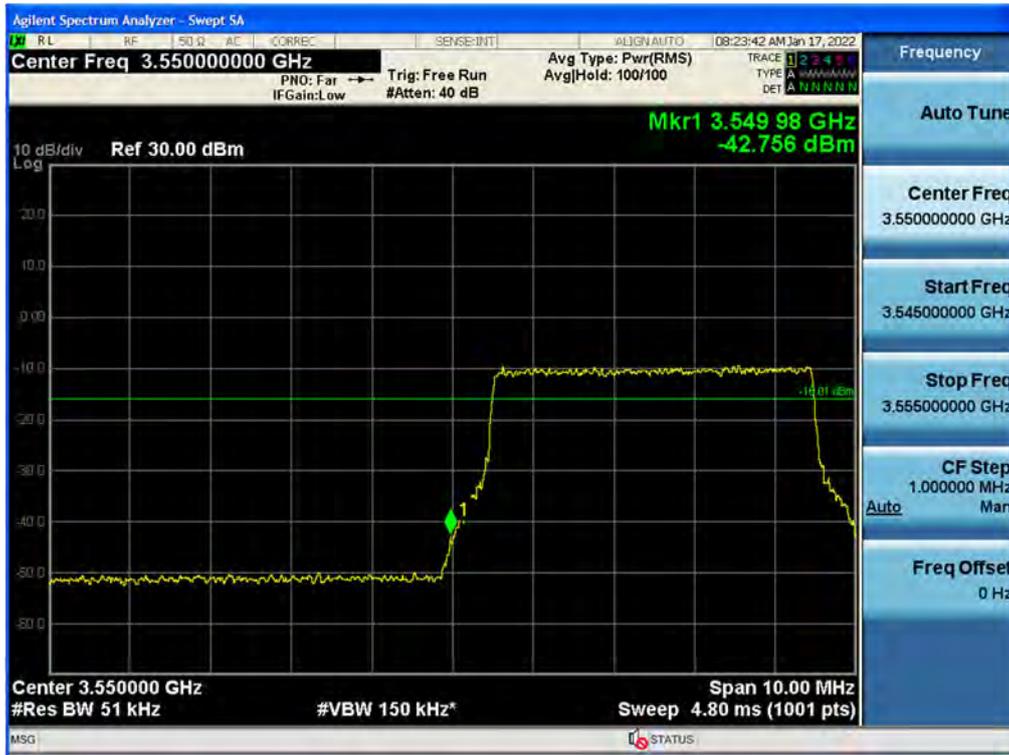
Antenna 0 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)] / Non-Contiguous / 256QAM / Low Left



Antenna 1 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)] / Non-Contiguous / 256QAM / High Right



Antenna 1 / CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)] / Non-Contiguous / 16QAM / Low Left



Antenna 0 / CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)] / Non-Contiguous / 256QAM / High Right



Antenna 0 / CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)] / Non-Contiguous / 256QAM / Low Left



Antenna 1 / CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)] / Non-Contiguous / QPSK / High Right



5.5. SPURIOUS UNWANTED EMISSIONS

Test Requirements:

§ 2.1051 Measurements required: Spurious emissions at antenna terminals.

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

96.41(e) General radio requirement: 3.5 GHz Emissions and Interference Limits.

(1) General protection levels.

- (i) Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.
- (ii) Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

(2) Additional protection levels.

Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

(3) Measurement procedure.

- (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, a resolution bandwidth of no less than one percent of the fundamental emission bandwidth may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the

measured power is integrated over the full reference bandwidth (i.e., 1 MHz or 1 percent of emission bandwidth, as specified). The fundamental emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

- (ii) When measuring unwanted emissions to demonstrate compliance with the limits, the CBSD and End User Device nominal carrier frequency/channel shall be adjusted as close to the licensee's authorized frequency block edges, both upper and lower, as the design permits.
 - (iii) Compliance with emission limits shall be demonstrated using either average (RMS)-detected or peak-detected power measurement techniques.
- (4) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

Test Procedures:

The measurement is performed in accordance with Section 5.7.4 of ANSI C63.26.

5.7.4 Spurious unwanted emission measurements

- a) Set the spectrum analyzer start frequency to the lowest frequency generated by the EUT, without going below 9 kHz, and the stop frequency to the lower frequency covered by the measurements previously performed in 5.7.3. As an alternative, the stop frequency can be set to the value specified in 5.1.1, depending on the EUT operating range, if the resulting plot can clearly demonstrate compliance for all frequencies not addressed by the out-of-band emissions measurements performed as per 5.7.3.
- b) When using an average power (rms) detector, ensure that the number of points in the sweep $\geq 2 \times (\text{span} / \text{RBW})$. This may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the spectrum analyzer capabilities. This requirement does not apply to peak-detected power measurements. When average power is specified by the applicable regulation, a peak-detector can be utilized for preliminary measurements to accommodate wider frequency spans. Any emissions found in the preliminary measurement to exceed the applicable limit(s) shall be further examined using a power averaging (rms) detector with the minimum number of measurement points as defined above.
- c) The sweep time should be set to auto-couple for performing peak-detector measurements. For measurements that use a power averaging (rms) detector, the sweep time shall be set as described for out-of-band emissions measurements in item d) of 5.7.3.
- d) Identify and measure the Highest spurious emission levels in each frequency range. It is not necessary to re-measure the out-of-band emissions as a part of this test. Record the frequencies and amplitudes corresponding to the measured emissions and capture the data plots.
- e) Repeat step b) through step d) for the upper spurious emission frequency range if not already captured by a wide span measurement performed as per the alternative provided in step a). The upper frequency for this measurement is defined in 5.1.1 as a function of the EUT operating range.
- f) Compare the results with the corresponding limit in the applicable regulation.
- g) The test report shall include the data plots of the measuring instrument display and the measured data.

Note:

1. In 9 kHz to 30 MHz band, RBW narrower than reference bandwidth is used. So following correction factor is applied.
 - $10 \log [(reference\ bandwidth)/(resolution\ bandwidth)]$
 - : 9 kHz to 150 kHz applied 1 kHz RBW, $10 \log (1\ kHz / 1\ MHz) = -30\ dB$
 - : 150 kHz to 30 MHz applied 10 kHz RBW, $10 \log (10\ kHz / 1\ MHz) = -20\ dB$
2. Due to MIMO operations, a correction has been added to the limit according to KDB 662911 D01 v02r01.
 - 2Tx MIMO correction: $10 \log(N_{ANT}) = 10 \log(2) = 3.01\ dB$
 - From Channel Edge to Channel Edge $\pm 10\ MHz$, $-13\ dBm/MHz - 10 * \log(2) = -16.01\ dBm/MHz$
 - From Channel Edge $\pm 10\ MHz$ to 3 530 or 3 720 MHz, $-25\ dBm/MHz - 10 * \log(2) = -28.01\ dBm/MHz$
 - For the rest, $-40\ dBm/MHz - 10 * \log(2) = -43.01\ dBm/MHz$
3. The results of the Spurious Unwanted Emissions shown below the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.
4. All power supply of operation were investigated and the worst case configuration results are reported.
 - Mode: 48 V; 1.5 A / 57 V; 1.3 A(PoE)
 - Worst case: 48 V; 1.5 A

Test Results:
Tabular Data of Spurious Unwanted Emissions
**CBRS LTE 5 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	Low Edge - 10 MHz ~ Low Edge	High Edge ~ High Edge + 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.473	-58.312	-52.320	-47.587	-47.080	-51.979	-51.294	-54.073	-47.834
	Middle	-45.665	-59.716	-51.702	-45.252	-45.877	-51.499	-53.568	-54.362	-48.926
	High	-45.337	-60.365	-52.171	-45.157	-46.572	-52.832	-56.187	-54.097	-48.217
16QAM	Low	-45.652	-58.405	-52.499	-47.558	-46.870	-52.342	-51.252	-54.223	-48.353
	Middle	-44.652	-60.121	-52.323	-45.169	-45.588	-49.873	-53.402	-54.114	-49.233
	High	-45.564	-59.247	-52.377	-45.358	-46.487	-52.760	-55.888	-53.906	-48.307
64QAM	Low	-45.653	-57.862	-52.074	-47.725	-46.310	-52.025	-51.128	-54.592	-48.891
	Middle	-45.336	-61.140	-52.179	-45.239	-45.921	-50.972	-54.008	-53.610	-49.095
	High	-45.932	-59.519	-52.434	-45.164	-46.282	-53.080	-56.224	-53.932	-48.250
256QAM	Low	-45.929	-58.368	-51.690	-47.624	-47.103	-51.899	-51.080	-54.280	-47.749
	Middle	-45.434	-59.656	-52.591	-45.227	-46.044	-51.200	-53.616	-54.061	-47.285
	High	-45.556	-60.335	-52.711	-45.210	-46.459	-52.893	-56.505	-54.310	-49.200
1024QAM	Low	-44.827	-58.509	-51.053	-47.514	-46.944	-52.016	-51.094	-54.416	-49.428
	Middle	-44.784	-59.633	-51.990	-45.204	-45.575	-51.747	-53.769	-53.862	-49.852
	High	-44.980	-60.157	-52.147	-45.062	-46.463	-53.245	-56.265	-54.036	-48.987

Test Result for Output Port 1

Mod.	Cannel	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	Low Edge - 10 MHz ~ Low Edge	High Edge ~ High Edge + 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.074	-56.041	-52.307	-47.627	-46.139	-49.163	-50.998	-54.810	-49.040
	Middle	-46.067	-60.793	-51.862	-45.410	-45.575	-48.909	-53.547	-54.188	-49.400
	High	-45.140	-59.414	-52.024	-45.039	-45.155	-49.069	-54.875	-54.723	-49.183
16QAM	Low	-45.052	-57.415	-52.293	-47.182	-45.953	-48.766	-51.017	-54.229	-48.043
	Middle	-45.431	-59.643	-52.190	-45.155	-45.736	-48.529	-53.350	-54.471	-46.939
	High	-44.622	-58.602	-51.962	-45.366	-45.450	-48.075	-54.507	-54.566	-49.297
64QAM	Low	-44.538	-57.121	-52.105	-47.554	-46.105	-48.998	-50.050	-54.390	-49.695
	Middle	-45.917	-59.686	-52.076	-45.199	-45.745	-48.662	-53.454	-53.853	-47.873
	High	-45.935	-58.198	-52.023	-45.358	-45.212	-49.198	-54.517	-54.792	-48.143
256QAM	Low	-46.183	-59.154	-52.136	-47.641	-47.334	-57.526	-50.457	-54.742	-49.430
	Middle	-46.162	-60.287	-51.679	-45.379	-45.323	-48.269	-53.414	-54.362	-48.753
	High	-46.605	-59.510	-51.570	-45.254	-45.406	-49.318	-54.641	-54.473	-48.317
1024QAM	Low	-45.220	-58.223	-52.036	-47.416	-46.065	-49.643	-51.497	-53.922	-48.537
	Middle	-45.408	-59.724	-52.762	-45.189	-45.750	-48.661	-53.398	-54.327	-49.807
	High	-45.266	-59.618	-52.096	-45.217	-45.108	-49.074	-54.476	-54.306	-48.791

**CBRS LTE 10 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.980	-55.231	-51.558	-47.417	-52.864	-54.439	-48.591
	Middle	-44.876	-56.228	-52.475	-45.215	-52.370	-54.341	-47.331
	High	-45.672	-68.809	-51.949	-45.045	-55.095	-53.800	-47.914
16QAM	Low	-44.864	-54.585	-51.554	-47.610	-52.899	-54.344	-48.984
	Middle	-45.096	-57.745	-51.567	-45.181	-52.837	-54.638	-48.581
	High	-45.633	-56.735	-51.705	-45.475	-54.881	-53.760	-47.816
64QAM	Low	-45.021	-54.132	-51.656	-47.504	-52.808	-54.457	-48.974
	Middle	-44.925	-56.490	-52.400	-45.235	-52.397	-54.399	-47.863
	High	-46.156	-56.822	-52.402	-45.175	-54.586	-53.902	-48.351
256QAM	Low	-45.443	-55.782	-52.090	-47.486	-52.897	-54.350	-48.694
	Middle	-44.930	-57.151	-51.718	-45.265	-52.388	-54.240	-48.434
	High	-46.530	-56.153	-51.964	-45.382	-54.321	-53.512	-48.058
1024QAM	Low	-45.097	-53.670	-52.374	-47.664	-52.678	-53.747	-48.795
	Middle	-45.422	-57.848	-52.075	-44.934	-52.771	-54.790	-48.040
	High	-46.017	-55.918	-51.876	-45.101	-53.839	-53.745	-48.509

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.339	-55.059	-52.176	-46.879	-49.819	-54.265	-48.753
	Middle	-45.921	-56.303	-51.752	-45.116	-49.243	-54.606	-48.925
	High	-44.419	-56.191	-52.047	-44.897	-51.834	-54.565	-47.923
16QAM	Low	-44.647	-55.011	-52.209	-46.902	-50.665	-54.572	-49.062
	Middle	-44.465	-56.287	-52.073	-45.191	-48.884	-54.312	-49.153
	High	-45.088	-55.031	-51.826	-45.435	-51.789	-54.600	-48.324
64QAM	Low	-45.016	-54.012	-51.983	-46.740	-50.114	-54.513	-48.226
	Middle	-45.861	-57.222	-52.559	-45.111	-49.035	-54.223	-49.188
	High	-45.456	-56.579	-52.070	-45.275	-51.947	-54.526	-47.850
256QAM	Low	-45.073	-55.780	-51.718	-46.555	-50.004	-54.919	-48.416
	Middle	-45.080	-55.158	-52.273	-45.159	-48.877	-54.392	-48.057
	High	-44.303	-56.573	-52.513	-45.292	-51.910	-54.866	-48.105
1024QAM	Low	-45.254	-55.728	-51.570	-46.480	-50.294	-54.463	-48.183
	Middle	-44.706	-55.144	-51.416	-45.111	-49.112	-54.142	-48.632
	High	-44.232	-56.376	-51.740	-45.306	-51.822	-54.712	-47.699

**CBRS LTE 15 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.895	-51.967	-52.479	-43.869	-45.110	-54.353	-47.603
	Middle	-44.983	-56.378	-51.984	-45.459	-47.172	-54.106	-48.280
	High	-44.553	-54.202	-52.285	-41.635	-47.358	-53.897	-48.201
16QAM	Low	-44.957	-51.583	-52.379	-44.834	-49.350	-54.298	-47.911
	Middle	-44.979	-55.809	-52.125	-45.353	-42.810	-53.874	-48.030
	High	-44.703	-55.463	-51.434	-43.238	-47.715	-53.389	-48.616
64QAM	Low	-45.743	-52.072	-52.268	-45.869	-49.011	-54.808	-48.427
	Middle	-44.787	-54.109	-52.119	-45.002	-49.084	-54.441	-47.746
	High	-46.571	-55.675	-51.383	-42.965	-48.173	-54.560	-47.678
256QAM	Low	-44.776	-52.729	-52.032	-46.178	-47.628	-54.280	-47.952
	Middle	-46.094	-55.909	-52.061	-45.215	-48.170	-54.472	-48.037
	High	-46.110	-54.328	-52.214	-43.974	-47.841	-54.241	-47.588
1024QAM	Low	-45.473	-52.917	-52.030	-44.491	-47.259	-53.961	-48.713
	Middle	-46.149	-54.043	-51.833	-45.349	-47.848	-54.343	-48.267
	High	-46.256	-55.814	-52.272	-44.265	-48.965	-53.952	-47.799

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.633	-53.816	-52.174	-45.727	-50.270	-54.542	-47.972
	Middle	-45.648	-54.090	-52.179	-45.175	-48.244	-54.294	-47.970
	High	-44.532	-54.928	-52.191	-44.141	-47.072	-54.299	-47.398
16QAM	Low	-44.409	-54.393	-51.932	-44.535	-49.061	-53.950	-48.369
	Middle	-45.678	-55.284	-51.713	-45.230	-48.512	-54.146	-47.166
	High	-44.753	-55.102	-51.142	-44.437	-48.745	-54.548	-48.553
64QAM	Low	-45.655	-53.822	-51.579	-46.754	-50.191	-54.018	-47.118
	Middle	-44.940	-55.680	-51.744	-44.865	-48.282	-54.693	-46.533
	High	-44.639	-55.270	-52.249	-43.970	-48.387	-53.917	-48.087
256QAM	Low	-45.278	-53.252	-52.100	-46.595	-49.879	-54.415	-47.736
	Middle	-44.814	-54.450	-52.086	-45.138	-47.652	-53.846	-46.996
	High	-44.647	-53.661	-51.769	-44.005	-46.700	-53.381	-47.425
1024QAM	Low	-44.845	-53.761	-52.371	-45.776	-49.732	-54.429	-48.333
	Middle	-44.589	-53.267	-51.632	-44.189	-47.394	-54.665	-47.690
	High	-46.063	-55.542	-50.835	-43.865	-48.790	-53.758	-48.200

**CBRS LTE 20 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.736	-51.939	-52.228	-38.703	-39.904	-54.293	-48.380
	Middle	-44.532	-54.082	-52.250	-40.576	-41.250	-54.372	-47.628
	High	-44.902	-52.722	-51.889	-35.272	-39.394	-54.034	-47.024
16QAM	Low	-45.873	-52.450	-52.165	-39.815	-40.270	-54.197	-47.028
	Middle	-44.904	-54.616	-51.600	-38.990	-39.744	-53.638	-47.757
	High	-44.892	-52.748	-52.088	-35.784	-38.944	-54.484	-48.337
64QAM	Low	-44.474	-52.455	-52.439	-39.642	-36.873	-54.425	-47.943
	Middle	-44.676	-52.227	-52.069	-39.798	-41.671	-54.245	-47.445
	High	-45.536	-53.087	-51.827	-35.885	-39.997	-54.081	-48.265
256QAM	Low	-44.822	-51.737	-52.266	-36.483	-38.625	-54.415	-47.814
	Middle	-45.130	-54.085	-51.759	-40.147	-41.781	-54.167	-47.304
	High	-44.086	-54.180	-51.741	-33.830	-37.062	-53.740	-47.708
1024QAM	Low	-46.188	-52.893	-52.321	-38.026	-39.404	-54.415	-48.639
	Middle	-44.357	-54.647	-52.326	-42.368	-41.729	-54.667	-46.310
	High	-45.162	-54.103	-52.257	-33.677	-37.593	-54.219	-47.926

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.055	-52.492	-51.795	-39.508	-42.686	-54.403	-48.124
	Middle	-44.466	-54.777	-52.346	-39.945	-40.165	-53.700	-47.809
	High	-44.351	-53.269	-51.316	-36.411	-39.062	-54.366	-47.862
16QAM	Low	-44.379	-52.841	-52.074	-39.974	-41.873	-53.902	-47.108
	Middle	-44.306	-55.346	-52.635	-40.360	-43.825	-54.647	-48.462
	High	-45.323	-54.502	-52.058	-39.226	-41.645	-54.553	-47.001
64QAM	Low	-44.232	-51.449	-51.860	-40.318	-41.741	-54.506	-47.209
	Middle	-46.004	-54.700	-51.109	-39.872	-40.795	-54.051	-47.903
	High	-46.203	-53.906	-52.007	-38.268	-39.944	-54.304	-48.412
256QAM	Low	-44.298	-52.719	-52.218	-40.499	-41.636	-53.972	-48.161
	Middle	-44.018	-54.793	-51.977	-41.022	-42.472	-54.276	-48.514
	High	-44.509	-53.161	-52.149	-37.679	-38.528	-54.112	-47.843
1024QAM	Low	-44.398	-52.869	-52.187	-41.100	-45.032	-54.291	-46.215
	Middle	-45.666	-54.248	-51.163	-41.097	-43.355	-54.466	-47.423
	High	-45.357	-54.568	-52.055	-37.064	-37.860	-54.628	-47.548

**CBRS NR 10 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-53.481	-62.498	-52.126	-47.340	-51.027	-54.394	-48.202
	Middle	-52.865	-64.979	-52.528	-45.436	-50.938	-53.873	-46.720
	High	-53.419	-64.010	-51.933	-41.913	-46.650	-53.983	-48.429
16QAM	Low	-52.457	-63.095	-50.933	-46.705	-48.308	-54.816	-48.313
	Middle	-53.244	-65.102	-52.539	-44.860	-50.791	-54.111	-48.185
	High	-53.324	-64.701	-51.487	-44.157	-49.007	-53.720	-47.219
64QAM	Low	-53.382	-63.059	-51.688	-46.998	-51.868	-54.373	-48.060
	Middle	-50.833	-64.518	-52.059	-45.146	-48.475	-54.238	-47.614
	High	-53.387	-64.307	-51.570	-44.151	-49.805	-54.726	-46.370
256QAM	Low	-53.753	-62.732	-51.447	-47.393	-52.610	-54.396	-47.633
	Middle	-53.331	-64.197	-52.186	-45.265	-50.856	-54.208	-47.759
	High	-52.844	-63.879	-52.086	-45.295	-51.087	-54.306	-47.887

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.834	-60.905	-52.699	-46.906	-50.577	-48.866	-47.352
	Middle	-45.045	-64.459	-51.768	-45.338	-48.755	-48.273	-48.224
	High	-45.271	-63.572	-51.694	-45.538	-51.902	-48.584	-48.052
16QAM	Low	-45.477	-61.493	-52.446	-47.860	-49.952	-48.095	-47.644
	Middle	-44.127	-62.750	-52.107	-45.354	-48.845	-48.517	-47.970
	High	-47.161	-63.231	-52.024	-45.155	-51.920	-48.253	-47.310
64QAM	Low	-45.785	-56.172	-51.900	-46.840	-51.948	-47.901	-48.772
	Middle	-46.090	-64.139	-52.157	-44.997	-50.050	-48.373	-48.079
	High	-45.326	-63.972	-51.577	-45.354	-53.088	-47.914	-45.742
256QAM	Low	-45.611	-62.125	-52.594	-47.298	-51.412	-47.921	-47.653
	Middle	-44.438	-64.085	-52.034	-45.399	-50.347	-48.423	-47.648
	High	-45.501	-63.808	-51.904	-45.454	-52.921	-48.817	-46.725

**CBRS NR 20 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-53.016	-58.690	-51.666	-47.328	-44.875	-54.552	-47.513
	Middle	-53.972	-59.541	-51.223	-43.017	-44.225	-54.234	-46.704
	High	-52.046	-60.270	-52.141	-41.407	-28.925	-54.283	-47.518
16QAM	Low	-51.932	-58.071	-52.124	-47.510	-44.774	-54.663	-48.432
	Middle	-53.866	-59.203	-52.123	-41.636	-45.381	-54.354	-47.648
	High	-52.000	-60.581	-51.963	-41.630	-29.411	-54.707	-48.629
64QAM	Low	-53.189	-58.406	-51.583	-47.544	-45.284	-54.594	-47.844
	Middle	-51.855	-61.504	-51.610	-42.862	-45.335	-54.234	-46.730
	High	-53.277	-59.887	-52.098	-42.050	-29.964	-54.392	-48.454
256QAM	Low	-53.344	-59.918	-51.543	-47.594	-45.126	-54.092	-46.944
	Middle	-53.291	-61.206	-51.838	-42.976	-44.828	-54.592	-48.654
	High	-52.070	-61.321	-52.255	-41.973	-29.470	-54.097	-47.469

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.015	-60.384	-51.617	-41.047	-50.156	-47.955	-47.888
	Middle	-44.747	-60.892	-52.319	-46.415	-51.221	-48.781	-46.129
	High	-45.512	-61.723	-52.042	-43.996	-41.583	-47.978	-48.422
16QAM	Low	-44.234	-59.761	-52.143	-41.497	-49.895	-48.105	-46.893
	Middle	-45.046	-61.588	-52.289	-46.040	-50.668	-48.295	-45.404
	High	-44.925	-60.796	-51.770	-44.930	-39.670	-48.628	-47.682
64QAM	Low	-46.011	-61.273	-51.919	-42.419	-49.655	-48.321	-47.941
	Middle	-46.016	-63.055	-52.357	-46.553	-50.168	-48.304	-48.060
	High	-45.298	-62.555	-52.172	-43.894	-42.243	-47.787	-47.700
256QAM	Low	-44.321	-56.063	-51.825	-42.044	-50.307	-48.312	-47.956
	Middle	-47.059	-62.740	-51.728	-46.387	-50.544	-48.166	-48.271
	High	-44.219	-62.124	-52.193	-45.257	-41.226	-48.127	-47.257

**CBRS NR 30 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-53.074	-58.798	-49.626	-45.765	-47.437	-54.135	-47.328
	Middle	-51.976	-61.631	-51.474	-43.653	-46.342	-54.550	-47.487
	High	-53.132	-59.800	-51.479	-43.759	-31.700	-54.707	-47.467
16QAM	Low	-53.986	-59.558	-51.299	-46.040	-47.774	-54.279	-47.541
	Middle	-52.818	-60.564	-52.070	-43.409	-46.402	-54.103	-47.029
	High	-52.434	-60.034	-52.019	-43.464	-29.940	-54.996	-48.236
64QAM	Low	-52.816	-59.962	-51.310	-46.253	-46.389	-54.110	-46.536
	Middle	-52.666	-62.107	-51.992	-44.035	-46.246	-54.235	-47.109
	High	-52.448	-61.622	-52.165	-43.516	-30.550	-54.328	-45.593
256QAM	Low	-53.013	-59.669	-51.517	-46.586	-48.165	-54.910	-47.612
	Middle	-53.018	-62.145	-52.083	-44.023	-47.140	-54.490	-47.920
	High	-52.528	-60.332	-51.922	-43.796	-30.549	-54.454	-47.652

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.010	-57.198	-52.011	-36.235	-49.127	-47.885	-47.889
	Middle	-45.130	-59.417	-51.771	-45.935	-51.250	-48.218	-47.492
	High	-45.817	-58.774	-51.601	-43.641	-35.554	-48.569	-46.621
16QAM	Low	-45.962	-59.170	-52.206	-37.786	-50.195	-48.417	-48.009
	Middle	-45.010	-59.510	-52.031	-45.949	-51.574	-48.246	-47.771
	High	-46.578	-59.947	-51.848	-43.821	-34.861	-48.225	-47.983
64QAM	Low	-44.773	-58.511	-52.051	-37.914	-49.387	-47.044	-47.444
	Middle	-44.660	-60.305	-52.142	-45.998	-51.040	-47.847	-48.121
	High	-44.576	-58.364	-51.984	-42.904	-33.264	-48.099	-47.413
256QAM	Low	-45.734	-60.097	-52.114	-39.099	-50.093	-48.301	-48.236
	Middle	-46.226	-61.607	-51.839	-46.200	-51.367	-48.540	-45.593
	High	-45.346	-59.393	-51.589	-44.104	-36.072	-48.255	-47.704

**CBRS NR 40 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.078	-59.736	-46.734	-44.489	-49.056	-54.488	-46.805
	Middle	-45.340	-61.313	-52.184	-44.147	-40.019	-53.938	-47.829
	High	-45.407	-58.110	-51.977	-43.206	-33.151	-54.382	-47.314
16QAM	Low	-45.897	-62.982	-51.808	-47.345	-53.044	-54.506	-46.686
	Middle	-45.678	-60.777	-52.662	-45.173	-40.748	-54.054	-47.974
	High	-46.332	-59.469	-51.668	-44.504	-31.767	-54.742	-47.711
64QAM	Low	-46.190	-59.037	-46.562	-43.925	-46.579	-54.116	-47.531
	Middle	-44.458	-62.167	-52.164	-43.511	-35.889	-54.175	-47.679
	High	-46.057	-60.024	-52.046	-43.873	-31.850	-54.598	-47.781
256QAM	Low	-45.324	-59.785	-47.487	-43.596	-46.833	-54.387	-47.363
	Middle	-45.561	-60.286	-52.290	-42.986	-36.589	-53.812	-47.739
	High	-45.344	-60.156	-52.367	-43.988	-33.591	-54.542	-48.116

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.698	-58.927	-52.545	-46.098	-52.763	-48.375	-48.047
	Middle	-44.961	-60.870	-52.297	-47.259	-53.946	-47.285	-47.841
	High	-45.222	-59.223	-52.496	-45.097	-43.888	-47.577	-47.690
16QAM	Low	-46.563	-57.365	-51.705	-41.179	-51.398	-48.391	-46.990
	Middle	-46.327	-61.097	-52.244	-46.749	-52.656	-48.280	-45.803
	High	-46.452	-59.546	-51.591	-45.199	-41.679	-48.343	-47.688
64QAM	Low	-47.845	-59.697	-52.366	-37.949	-48.978	-48.161	-46.771
	Middle	-45.911	-59.540	-51.875	-46.648	-51.625	-48.492	-47.926
	High	-48.884	-60.006	-52.582	-44.947	-37.409	-47.859	-47.496
256QAM	Low	-48.967	-58.856	-52.374	-39.114	-49.054	-48.329	-48.153
	Middle	-49.201	-60.438	-52.216	-46.775	-52.636	-48.153	-47.896
	High	-49.217	-59.439	-51.870	-44.273	-38.322	-47.998	-47.032

**CBRS NR 50 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-51.686	-52.156	-49.517	-40.891	-	-40.358	-38.508	-39.199	-48.705	-46.920
	Middle	-51.434	-64.721	-49.291	-41.928	-38.239	-39.484	-38.954	-38.481	-48.141	-47.645
	High	-52.196	-66.342	-48.640	-42.433	-38.375	-	-37.471	-38.599	-48.523	-47.082
16QAM	Low	-50.678	-52.261	-49.392	-41.251	-	-40.143	-38.481	-39.056	-48.851	-46.179
	Middle	-51.156	-63.982	-48.988	-42.359	-38.827	-40.175	-38.798	-37.893	-48.907	-46.984
	High	-50.592	-66.164	-49.233	-42.333	-38.372	-	-38.413	-38.394	-48.454	-46.855
64QAM	Low	-51.908	-52.444	-48.146	-40.884	-	-39.779	-38.406	-38.662	-48.285	-47.205
	Middle	-51.212	-65.200	-49.273	-41.846	-38.258	-39.454	-38.499	-38.430	-47.627	-47.384
	High	-53.067	-63.224	-49.046	-41.979	-38.520	-	-36.822	-38.484	-48.027	-46.906
256QAM	Low	-52.655	-51.683	-49.295	-41.521	-	-40.241	-38.994	-38.022	-48.206	-46.564
	Middle	-50.189	-63.503	-49.143	-41.447	-38.479	-39.899	-39.416	-38.675	-48.318	-47.125
	High	-53.108	-61.230	-48.695	-42.380	-37.474	-	-37.918	-38.270	-49.080	-47.046

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-50.369	-66.719	-49.123	-45.806	-	-39.903	-39.201	-38.790	-48.794	-46.936
	Middle	-51.474	-63.948	-49.210	-42.099	-38.167	-39.806	-39.792	-38.714	-48.955	-47.578
	High	-53.494	-61.696	-49.044	-42.162	-38.136	-	-37.024	-37.935	-48.684	-46.738
16QAM	Low	-48.602	-63.899	-49.925	-46.083	-	-40.224	-40.004	-38.492	-49.018	-47.575
	Middle	-50.994	-63.156	-49.258	-42.469	-38.878	-39.876	-39.965	-39.016	-48.957	-46.676
	High	-53.367	-63.264	-49.606	-41.958	-38.519	-	-37.548	-38.922	-48.619	-47.362
64QAM	Low	-49.903	-65.342	-49.481	-46.264	-	-39.971	-39.904	-39.239	-47.953	-47.037
	Middle	-52.033	-62.729	-47.517	-41.168	-38.944	-39.592	-40.177	-37.983	-48.129	-47.110
	High	-53.904	-64.381	-48.431	-41.401	-38.708	-	-38.606	-38.426	-47.934	-46.925
256QAM	Low	-50.221	-62.590	-49.839	-46.345	-	-40.063	-39.393	-38.287	-48.763	-47.576
	Middle	-51.811	-64.949	-48.637	-42.022	-39.114	-39.386	-38.605	-38.800	-48.424	-47.820
	High	-52.910	-62.584	-49.154	-42.248	-38.433	-	-37.907	-38.617	-47.900	-46.248

**CBRS NR 60 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-52.890	-63.257	-49.134	-40.957	-	-40.767	-39.383	-38.625	-48.727	-46.811
	Middle	-52.331	-62.191	-49.175	-41.439	-38.806	-39.904	-39.765	-38.394	-48.399	-47.161
	High	-52.792	-63.187	-49.255	-41.063	-38.205	-	-39.174	-38.672	-48.369	-47.003
16QAM	Low	-53.237	-62.493	-48.226	-40.817	-	-37.772	-39.222	-39.040	-49.178	-46.974
	Middle	-51.856	-62.738	-48.282	-42.284	-39.062	-39.207	-39.127	-38.866	-48.897	-46.839
	High	-51.637	-62.453	-49.189	-41.932	-38.698	-	-39.409	-38.350	-48.197	-46.825
64QAM	Low	-53.197	-64.322	-48.662	-41.147	-	-40.551	-39.363	-38.723	-49.222	-46.815
	Middle	-52.268	-64.057	-49.622	-42.223	-38.624	-39.921	-38.924	-38.988	-48.801	-46.993
	High	-52.108	-63.679	-48.073	-41.064	-38.402	-	-38.717	-39.551	-48.548	-46.505
256QAM	Low	-53.214	-65.769	-48.671	-41.467	-	-39.567	-38.546	-38.594	-48.537	-46.705
	Middle	-51.329	-62.793	-49.711	-42.062	-39.194	-39.396	-39.330	-39.142	-48.844	-46.863
	High	-52.118	-61.564	-49.011	-41.410	-39.123	-	-40.304	-38.548	-48.442	-46.066

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-53.590	-64.318	-49.354	-41.114	-	-39.651	-39.213	-39.385	-49.081	-47.417
	Middle	-52.294	-65.936	-48.961	-41.336	-39.427	-39.709	-39.369	-39.356	-48.993	-46.779
	High	-51.475	-64.523	-49.591	-42.309	-38.707	-	-39.326	-38.953	-49.250	-47.437
16QAM	Low	-53.498	-60.981	-49.525	-41.019	-	-40.398	-39.089	-38.683	-48.306	-47.262
	Middle	-51.941	-64.855	-49.608	-41.926	-39.032	-39.669	-38.890	-37.859	-48.006	-47.880
	High	-50.992	-63.659	-49.332	-41.400	-39.231	-	-38.882	-38.822	-48.795	-46.573
64QAM	Low	-53.125	-64.661	-49.530	-40.896	-	-40.118	-39.922	-39.104	-48.418	-46.587
	Middle	-51.540	-62.521	-49.280	-41.573	-39.057	-39.672	-38.955	-39.762	-48.404	-46.090
	High	-50.791	-63.872	-48.898	-41.615	-38.619	-	-39.999	-39.113	-49.516	-46.766
256QAM	Low	-53.268	-65.065	-50.026	-41.168	-	-39.878	-39.455	-39.437	-49.099	-45.929
	Middle	-51.956	-60.830	-49.536	-41.660	-38.381	-40.297	-38.407	-38.289	-49.331	-47.578
	High	-50.132	-63.105	-47.855	-41.714	-39.005	-	-39.474	-39.782	-49.093	-47.239

**CBRS NR 80 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-50.142	-63.641	-48.621	-41.239	-	-40.011	-39.731	-38.362	-49.058	-47.156
	Middle	-50.086	-62.878	-49.362	-40.912	-38.137	-39.913	-38.875	-38.513	-48.221	-47.630
	High	-50.651	-64.578	-49.297	-41.517	-38.983	-	-38.503	-37.250	-49.089	-47.409
16QAM	Low	-50.608	-63.865	-48.713	-40.678	-	-40.015	-39.717	-40.114	-49.099	-46.129
	Middle	-50.845	-65.640	-48.131	-41.479	-38.328	-39.878	-39.600	-39.384	-48.933	-46.725
	High	-50.716	-59.573	-48.547	-42.108	-39.418	-	-38.158	-38.050	-49.173	-47.480
64QAM	Low	-51.252	-61.684	-49.967	-40.970	-	-39.948	-39.922	-39.447	-49.511	-46.668
	Middle	-50.517	-63.677	-49.845	-41.415	-39.326	-39.855	-38.988	-38.640	-49.700	-46.814
	High	-50.472	-63.984	-49.417	-41.781	-38.909	-	-38.402	-39.013	-49.450	-47.811
256QAM	Low	-51.212	-61.631	-48.664	-41.457	-	-39.913	-39.468	-39.251	-47.499	-47.193
	Middle	-50.450	-63.086	-49.074	-40.626	-39.071	-39.847	-38.434	-38.217	-49.375	-46.994
	High	-50.957	-64.055	-48.796	-42.167	-39.517	-	-37.474	-39.483	-48.347	-47.328

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-50.894	-66.244	-48.602	-40.623	-	-40.444	-39.937	-38.855	-49.145	-46.742
	Middle	-51.482	-65.213	-48.676	-41.408	-38.562	-39.919	-39.452	-39.447	-48.458	-46.860
	High	-50.124	-66.470	-49.340	-41.541	-37.742	-	-38.164	-39.383	-48.766	-47.627
16QAM	Low	-50.628	-62.637	-48.727	-41.084	-	-39.956	-38.630	-39.769	-48.884	-47.378
	Middle	-50.727	-61.497	-48.940	-39.844	-39.153	-40.157	-38.460	-38.940	-48.834	-46.996
	High	-50.454	-63.319	-49.181	-42.251	-38.902	-	-38.738	-38.508	-48.581	-46.381
64QAM	Low	-51.299	-62.493	-49.851	-41.580	-	-39.759	-39.492	-38.713	-49.165	-47.568
	Middle	-49.680	-61.846	-47.651	-40.346	-38.377	-40.236	-38.882	-38.938	-48.867	-47.042
	High	-50.767	-61.242	-48.562	-41.450	-39.041	-	-37.648	-38.519	-48.790	-47.154
256QAM	Low	-50.192	-65.921	-49.383	-41.143	-	-40.034	-39.144	-39.071	-47.838	-47.608
	Middle	-50.715	-63.995	-48.317	-41.001	-38.996	-40.018	-38.999	-39.252	-49.368	-47.188
	High	-51.093	-63.370	-48.725	-42.213	-38.934	-	-38.355	-38.420	-48.836	-47.496

**CBRS NR 100 MHz 1 Carrier
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-50.890	-63.582	-48.891	-40.641	-	-39.727	-39.584	-39.310	-48.227	-46.206
	Middle	-56.203	-61.996	-48.739	-41.557	-39.525	-39.814	-38.156	-38.525	-48.181	-47.258
	High	-52.044	-62.236	-49.614	-40.576	-38.559	-	-37.661	-38.601	-47.184	-47.194
16QAM	Low	-51.056	-61.859	-47.385	-39.308	-	-40.032	-38.634	-39.452	-48.972	-46.669
	Middle	-55.872	-61.447	-49.604	-40.949	-38.879	-39.957	-37.924	-38.264	-48.625	-46.916
	High	-53.077	-61.180	-48.737	-40.817	-38.234	-	-38.077	-38.934	-47.874	-47.098
64QAM	Low	-50.825	-63.585	-49.568	-40.490	-	-39.542	-38.269	-38.708	-48.318	-46.998
	Middle	-51.943	-62.624	-49.877	-41.957	-38.968	-39.573	-38.012	-37.988	-49.171	-46.846
	High	-54.097	-60.806	-49.457	-40.811	-38.559	-	-38.397	-38.340	-47.863	-47.404
256QAM	Low	-49.659	-63.044	-48.591	-40.618	-	-39.847	-39.223	-39.581	-48.545	-47.157
	Middle	-49.035	-62.886	-48.153	-41.661	-39.026	-39.508	-36.615	-37.820	-47.894	-47.021
	High	-55.367	-57.632	-49.237	-41.113	-38.276	-	-37.494	-37.955	-47.074	-46.726

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-55.969	-62.704	-49.664	-40.805	-	-39.465	-37.936	-37.864	-48.529	-46.697
	Middle	-51.951	-62.940	-49.518	-41.684	-38.997	-39.747	-37.689	-37.677	-49.198	-46.148
	High	-49.054	-61.623	-49.677	-42.196	-38.093	-	-37.448	-38.268	-48.987	-47.372
16QAM	Low	-50.944	-63.080	-49.678	-40.921	-	-39.774	-39.350	-38.903	-48.817	-47.661
	Middle	-52.021	-62.588	-48.344	-41.315	-39.423	-39.770	-38.009	-37.625	-48.589	-47.209
	High	-51.995	-62.237	-48.730	-40.975	-38.130	-	-37.534	-38.536	-48.645	-46.410
64QAM	Low	-50.430	-64.325	-49.332	-40.627	-	-39.979	-38.739	-38.754	-48.526	-47.085
	Middle	-51.993	-61.957	-48.805	-41.388	-38.924	-39.809	-37.206	-37.756	-48.383	-47.337
	High	-49.114	-62.428	-49.056	-41.673	-39.040	-	-38.017	-37.749	-48.418	-46.212
256QAM	Low	-50.259	-64.073	-48.792	-40.608	-	-39.245	-38.841	-39.132	-49.014	-46.618
	Middle	-47.235	-63.978	-49.170	-40.897	-38.001	-40.283	-38.557	-36.967	-48.970	-46.568
	High	-48.982	-63.615	-48.210	-42.166	-38.287	-	-38.226	-38.749	-48.618	-47.075

Tabular Data of RF Contiguous

 CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]
 Test Result for Output Port 0

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-49.388	-62.871	-49.338	-40.656	-	-40.270	-38.506	-37.793	-48.819	-46.023
	Middle	-52.596	-64.179	-48.465	-41.759	-38.923	-40.720	-37.971	-38.096	-48.956	-47.398
	High	-53.477	-62.885	-49.104	-42.015	-40.608	-	-38.326	-37.703	-48.623	-46.547
16QAM	Low	-49.593	-62.499	-48.673	-41.046	-	-39.680	-38.850	-38.322	-47.347	-46.661
	Middle	-49.443	-62.500	-48.163	-41.447	-40.190	-40.717	-38.539	-38.247	-48.174	-46.913
	High	-51.222	-62.770	-48.905	-41.814	-40.422	-	-39.138	-38.496	-49.261	-46.234
64QAM	Low	-49.781	-63.701	-49.829	-41.268	-	-39.568	-38.370	-37.998	-48.723	-47.422
	Middle	-49.544	-64.046	-48.614	-41.093	-39.522	-40.749	-38.013	-38.840	-49.028	-46.687
	High	-52.876	-61.443	-49.164	-42.346	-40.613	-	-38.306	-38.787	-48.655	-46.963
256QAM	Low	-47.129	-62.359	-49.282	-41.159	-	-41.511	-38.245	-37.923	-48.947	-45.927
	Middle	-49.584	-61.625	-48.746	-41.634	-40.024	-40.211	-37.793	-38.626	-49.292	-47.648
	High	-52.636	-62.241	-49.398	-40.566	-41.293	-	-38.022	-39.219	-48.441	-46.912

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-49.543	-62.250	-48.641	-40.856	-	-40.472	-38.589	-38.032	-48.094	-46.812
	Middle	-52.450	-65.000	-48.584	-42.103	-39.914	-40.938	-38.484	-38.235	-48.971	-47.728
	High	-52.935	-65.016	-49.516	-41.772	-40.747	-	-37.703	-38.664	-48.585	-46.836
16QAM	Low	-52.451	-63.369	-49.095	-41.493	-	-38.982	-38.316	-37.344	-49.098	-47.204
	Middle	-49.679	-63.757	-48.208	-42.327	-39.976	-40.878	-39.110	-37.673	-48.814	-46.911
	High	-53.370	-62.944	-48.754	-41.632	-37.506	-	-37.970	-38.704	-49.256	-47.017
64QAM	Low	-49.594	-62.152	-49.452	-40.996	-	-41.288	-38.426	-38.493	-47.467	-47.493
	Middle	-52.711	-63.000	-49.287	-41.758	-40.001	-40.590	-37.915	-37.345	-48.747	-46.932
	High	-52.443	-64.650	-48.461	-41.369	-41.221	-	-38.355	-37.482	-48.063	-47.148
256QAM	Low	-52.715	-61.939	-48.902	-41.098	-	-40.889	-38.850	-38.456	-49.181	-47.034
	Middle	-49.778	-63.000	-49.308	-42.350	-39.997	-40.590	-37.885	-38.370	-48.630	-47.434
	High	-52.068	-62.746	-49.320	-42.120	-40.715	-	-40.180	-37.257	-48.436	-47.532

Note: 1C: 1 Carrier, 2C: 2 Carrier

**CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]
Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-54.471	-65.773	-49.388	-41.367	-	-40.302	-38.102	-38.637	-48.969	-47.052
	Middle	-54.618	-66.858	-49.440	-41.567	-39.570	-39.792	-37.776	-38.246	-47.706	-46.331
	High	-54.855	-62.800	-49.292	-41.949	-40.409	-	-38.396	-37.960	-48.787	-47.057
16QAM	Low	-54.668	-65.465	-49.151	-40.737	-	-39.435	-38.641	-37.940	-47.564	-47.294
	Middle	-54.723	-67.406	-49.983	-41.565	-39.335	-40.741	-39.016	-38.586	-49.105	-47.594
	High	-54.614	-64.766	-49.028	-40.576	-40.625	-	-38.660	-39.001	-49.830	-47.233
64QAM	Low	-54.630	-63.984	-47.965	-40.998	-	-40.166	-39.088	-38.480	-48.993	-46.749
	Middle	-54.495	-65.077	-48.949	-41.460	-39.979	-40.365	-38.641	-37.925	-48.618	-47.272
	High	-54.720	-66.418	-48.737	-40.917	-40.523	-	-38.618	-38.806	-49.191	-47.429
256QAM	Low	-54.653	-66.816	-47.854	-41.478	-	-40.043	-39.179	-38.222	-47.434	-46.966
	Middle	-54.897	-67.113	-49.380	-41.297	-39.833	-40.379	-37.234	-38.392	-49.521	-47.058
	High	-53.652	-66.960	-49.254	-41.668	-40.387	-	-38.074	-38.248	-49.429	-47.119

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-54.714	-67.472	-49.406	-41.318	-	-40.100	-38.809	-38.184	-48.916	-47.607
	Middle	-54.979	-64.970	-49.515	-41.132	-40.168	-39.673	-37.844	-38.494	-49.142	-47.130
	High	-54.058	-66.297	-48.689	-41.861	-39.692	-	-38.022	-38.547	-47.836	-46.678
16QAM	Low	-54.273	-65.727	-49.528	-40.157	-	-39.619	-38.540	-38.238	-48.563	-46.218
	Middle	-54.916	-66.981	-48.987	-41.693	-39.857	-40.435	-38.374	-38.129	-48.348	-47.096
	High	-53.884	-65.030	-49.250	-42.073	-40.006	-	-38.558	-38.539	-49.327	-47.103
64QAM	Low	-54.537	-66.607	-49.023	-41.408	-	-39.739	-39.142	-38.944	-49.122	-47.347
	Middle	-54.515	-66.135	-48.592	-41.381	-39.683	-40.596	-38.045	-38.409	-48.283	-47.215
	High	-54.256	-67.273	-48.803	-41.666	-39.887	-	-37.889	-39.390	-48.693	-46.820
256QAM	Low	-54.678	-66.856	-49.184	-41.786	-	-40.636	-39.106	-38.160	-48.922	-47.112
	Middle	-54.730	-62.537	-49.351	-41.010	-39.880	-40.857	-37.820	-38.359	-49.299	-45.949
	High	-54.942	-66.653	-49.366	-42.087	-40.599	-	-38.239	-37.591	-49.575	-47.341

Note: 1C: 1 Carrier, 2C: 2 Carrier

**CBRS LTE(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.908	-56.695	-52.220	-36.185	-38.224	-54.621	-47.841
	Middle	-48.420	-58.625	-52.281	-31.363	-30.434	-55.079	-47.690
	High	-46.845	-57.166	-52.167	-30.654	-29.104	-54.725	-48.047
16QAM	Low	-45.855	-56.399	-51.343	-31.437	-31.390	-54.503	-45.803
	Middle	-47.985	-59.232	-51.759	-30.409	-29.592	-54.256	-47.688
	High	-47.712	-57.630	-51.964	-30.144	-29.676	-54.130	-46.990
64QAM	Low	-48.101	-56.814	-51.401	-30.708	-29.752	-54.077	-47.926
	Middle	-49.140	-58.883	-52.360	-30.433	-29.855	-54.848	-47.496
	High	-47.155	-58.035	-51.902	-30.368	-29.435	-54.310	-46.771
256QAM	Low	-47.837	-56.329	-51.823	-29.457	-30.161	-54.020	-47.896
	Middle	-46.428	-58.500	-50.441	-30.325	-29.991	-54.473	-47.032
	High	-48.177	-57.795	-52.229	-29.608	-29.947	-53.651	-48.153
1024QAM	Low	-48.785	-56.268	-52.249	-30.273	-29.451	-54.366	-47.812
	Middle	-48.638	-58.967	-52.439	-31.562	-29.977	-54.404	-47.271
	High	-49.242	-57.847	-52.117	-29.577	-30.050	-54.358	-47.288

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-48.584	-56.194	-51.014	-31.433	-32.849	-54.534	-47.096
	Middle	-49.415	-58.572	-52.355	-31.910	-31.866	-54.478	-47.491
	High	-48.967	-57.427	-52.354	-29.371	-29.033	-54.360	-48.010
16QAM	Low	-47.162	-56.945	-52.221	-32.212	-32.528	-54.510	-47.516
	Middle	-49.120	-58.095	-52.142	-31.690	-32.471	-54.580	-47.062
	High	-46.768	-57.668	-52.010	-29.114	-29.924	-54.033	-48.056
64QAM	Low	-47.548	-55.265	-52.115	-31.064	-30.728	-53.514	-46.741
	Middle	-49.472	-56.876	-51.360	-32.128	-31.813	-54.459	-47.601
	High	-48.530	-58.095	-52.486	-29.279	-29.760	-54.810	-46.742
256QAM	Low	-49.546	-57.708	-52.020	-32.215	-32.276	-54.370	-48.541
	Middle	-48.339	-58.561	-52.106	-31.649	-30.698	-54.247	-47.568
	High	-48.408	-57.803	-52.378	-29.703	-30.029	-54.648	-46.866
1024QAM	Low	-47.215	-56.420	-52.101	-31.348	-32.900	-54.311	-46.557
	Middle	-47.512	-58.667	-51.549	-31.986	-32.010	-54.644	-47.841
	High	-47.614	-57.809	-52.040	-29.779	-29.230	-54.737	-47.381

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS LTE(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-46.549	-58.876	-50.570	-30.338	-30.089	-54.488	-47.487
	Middle	-48.396	-57.019	-52.126	-29.435	-32.585	-54.443	-47.328
	High	-47.641	-47.630	-51.305	-44.910	-37.372	-54.667	-47.467
16QAM	Low	-45.951	-57.345	-49.473	-32.527	-31.814	-54.711	-47.029
	Middle	-47.377	-58.416	-51.958	-30.767	-34.600	-54.630	-47.541
	High	-47.759	-55.761	-52.279	-29.241	-35.782	-54.334	-48.236
64QAM	Low	-47.931	-58.141	-51.306	-30.344	-30.031	-54.536	-47.109
	Middle	-49.441	-59.247	-51.949	-29.637	-33.144	-53.805	-46.536
	High	-45.362	-48.012	-51.850	-44.771	-39.192	-54.040	-45.593
256QAM	Low	-46.324	-56.151	-46.284	-31.289	-30.323	-54.043	-47.920
	Middle	-46.665	-59.524	-51.794	-29.065	-32.556	-54.322	-47.612
	High	-48.844	-47.346	-51.949	-45.386	-38.342	-54.447	-47.652
1024QAM	Low	-47.166	-58.298	-48.203	-30.356	-29.525	-54.629	-46.057
	Middle	-47.818	-58.553	-51.930	-29.625	-32.207	-53.996	-46.919
	High	-47.074	-47.558	-51.550	-45.173	-38.545	-54.287	-46.650

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.173	-56.640	-52.321	-31.586	-32.105	-54.270	-46.421
	Middle	-46.843	-58.893	-51.826	-29.040	-33.307	-54.468	-47.949
	High	-49.150	-48.044	-52.244	-44.357	-32.420	-53.789	-46.434
16QAM	Low	-46.563	-57.694	-51.347	-32.619	-32.827	-54.441	-47.422
	Middle	-48.452	-58.160	-51.865	-31.963	-37.842	-54.758	-46.717
	High	-46.055	-60.628	-51.943	-29.037	-35.951	-53.951	-46.106
64QAM	Low	-45.690	-56.890	-50.528	-32.054	-32.367	-53.916	-47.047
	Middle	-48.347	-59.667	-51.424	-29.165	-33.373	-54.844	-46.959
	High	-47.498	-45.676	-51.877	-44.487	-34.025	-53.613	-47.450
256QAM	Low	-47.840	-57.601	-50.632	-32.354	-31.821	-54.223	-47.580
	Middle	-46.966	-59.484	-51.307	-29.519	-33.636	-54.059	-47.381
	High	-49.126	-47.491	-52.126	-44.262	-34.135	-54.047	-47.972
1024QAM	Low	-46.549	-55.845	-51.100	-32.595	-32.194	-54.467	-46.839
	Middle	-48.012	-59.800	-51.600	-29.066	-32.148	-54.552	-47.655
	High	-46.742	-47.449	-51.900	-44.446	-34.860	-53.992	-46.085

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.949	-49.064	-52.265	-	-38.798	-45.833	-46.733
	Middle	-45.778	-48.946	-51.979	-39.712	-39.093	-45.800	-48.313
	High	-44.583	-48.782	-52.297	-38.682	-	-45.882	-46.609
16QAM	Low	-45.144	-48.970	-51.506	-	-29.824	-46.019	-46.226
	Middle	-46.463	-47.496	-51.805	-29.848	-30.052	-45.957	-47.793
	High	-44.236	-49.178	-52.201	-29.728	-	-45.585	-47.088
64QAM	Low	-45.118	-49.100	-52.049	-	-39.082	-45.720	-46.990
	Middle	-44.800	-49.370	-52.393	-39.888	-38.607	-45.783	-47.520
	High	-44.954	-49.276	-52.261	-38.705	-	-45.807	-47.820
256QAM	Low	-44.473	-48.922	-52.020	-	-38.890	-45.534	-47.817
	Middle	-45.675	-49.006	-52.358	-40.256	-39.374	-45.813	-46.416
	High	-45.934	-48.903	-51.664	-38.388	-	-45.707	-47.125
1024QAM	Low	-45.303	-48.086	-52.385	-	-39.021	-45.914	-47.080
	Middle	-45.948	-48.923	-52.484	-39.884	-39.315	-45.920	-47.319
	High	-45.804	-48.925	-52.421	-38.659	-	-46.106	-47.228

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.677	-48.999	-52.645	-	-43.021	-45.589	-47.514
	Middle	-45.455	-48.959	-51.585	-43.364	-43.744	-46.015	-48.181
	High	-44.633	-49.042	-52.320	-41.737	-	-46.421	-46.232
16QAM	Low	-45.350	-48.953	-48.958	-	-32.893	-46.065	-46.399
	Middle	-45.384	-48.352	-52.252	-32.942	-31.378	-45.190	-47.334
	High	-45.115	-49.175	-51.638	-30.174	-	-45.670	-47.014
64QAM	Low	-44.604	-49.206	-51.758	-	-43.062	-46.327	-47.041
	Middle	-45.784	-49.106	-52.449	-43.523	-43.294	-45.834	-47.463
	High	-45.570	-48.485	-51.848	-41.712	-	-46.340	-46.359
256QAM	Low	-46.038	-49.079	-52.495	-	-42.959	-45.831	-47.211
	Middle	-45.996	-48.190	-51.701	-43.184	-43.853	-45.658	-46.885
	High	-45.946	-49.195	-52.029	-41.610	-	-46.321	-47.032
1024QAM	Low	-44.389	-48.818	-51.476	-	-42.864	-46.166	-46.810
	Middle	-44.594	-49.129	-51.926	-43.569	-43.966	-46.128	-45.343
	High	-45.581	-49.206	-51.882	-41.602	-	-46.130	-47.442

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.742	-48.798	-45.236	-30.897	-29.872	-53.384	-46.981
	Middle	-45.834	-49.281	-51.575	-29.920	-29.188	-54.573	-46.838
	High	-45.500	-48.430	-52.211	-30.470	-36.704	-51.402	-47.960
16QAM	Low	-44.056	-48.062	-44.431	-32.322	-29.711	-54.301	-47.011
	Middle	-45.011	-49.045	-51.996	-30.068	-31.070	-53.839	-47.527
	High	-45.519	-49.115	-52.322	-30.316	-36.896	-53.053	-47.619
64QAM	Low	-44.917	-49.153	-47.004	-29.444	-31.393	-54.444	-47.216
	Middle	-45.420	-48.983	-52.069	-29.519	-29.766	-54.558	-47.609
	High	-45.593	-49.254	-52.235	-30.356	-36.505	-54.222	-46.422
256QAM	Low	-44.869	-49.039	-44.510	-30.826	-31.317	-54.452	-47.260
	Middle	-44.596	-48.930	-52.598	-29.955	-29.022	-54.298	-46.417
	High	-44.612	-48.735	-52.167	-29.698	-36.588	-51.872	-47.954

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.253	-48.936	-48.624	-33.302	-30.303	-54.329	-47.127
	Middle	-45.241	-48.484	-52.080	-30.472	-31.836	-54.269	-47.836
	High	-44.579	-48.983	-52.322	-31.759	-35.382	-54.527	-47.621
16QAM	Low	-44.555	-48.363	-50.053	-47.334	-35.020	-54.472	-47.749
	Middle	-45.049	-48.314	-52.011	-31.889	-32.517	-54.701	-47.353
	High	-44.717	-49.006	-52.018	-32.009	-35.275	-52.646	-47.117
64QAM	Low	-44.940	-49.057	-48.192	-32.971	-32.672	-54.358	-47.938
	Middle	-44.673	-49.037	-52.615	-31.557	-30.885	-54.197	-46.823
	High	-45.631	-49.240	-51.830	-32.471	-36.790	-54.148	-46.734
256QAM	Low	-47.080	-48.882	-50.024	-33.600	-29.385	-54.563	-47.309
	Middle	-44.227	-48.484	-51.713	-31.584	-31.790	-54.703	-47.293
	High	-45.654	-48.670	-51.816	-31.733	-36.533	-53.619	-47.586

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.122	-49.346	-49.391	-	-31.263	-54.087	-47.829
	Middle	-44.100	-49.136	-52.009	-38.519	-33.331	-53.685	-47.314
	High	-44.066	-49.002	-52.028	-34.867	-	-53.672	-46.805
16QAM	Low	-46.720	-48.460	-49.576	-	-32.577	-54.590	-47.974
	Middle	-45.354	-49.043	-52.261	-38.436	-34.122	-54.427	-47.711
	High	-45.825	-49.307	-52.227	-34.397	-	-54.236	-46.686
64QAM	Low	-45.593	-49.177	-51.351	-	-30.258	-54.604	-47.679
	Middle	-45.770	-48.430	-52.267	-39.708	-34.619	-54.286	-47.781
	High	-44.309	-48.919	-52.432	-35.060	-	-54.005	-47.531
256QAM	Low	-45.252	-49.164	-51.262	-	-30.060	-54.362	-47.739
	Middle	-46.873	-48.827	-51.786	-38.536	-34.801	-54.080	-48.116
	High	-44.781	-48.569	-52.343	-33.919	-	-53.216	-47.363

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.175	-48.710	-49.385	-	-29.499	-54.358	-47.663
	Middle	-44.212	-49.134	-52.185	-35.741	-29.864	-54.220	-47.116
	High	-46.886	-49.353	-52.210	-30.839	-	-54.661	-46.102
16QAM	Low	-45.746	-48.726	-45.904	-	-31.960	-54.359	-47.060
	Middle	-45.991	-48.623	-52.428	-35.513	-29.884	-54.108	-47.337
	High	-45.205	-48.879	-52.726	-30.775	-	-54.022	-48.129
64QAM	Low	-44.470	-48.491	-49.119	-	-31.034	-53.957	-46.988
	Middle	-44.867	-49.298	-52.011	-36.180	-30.090	-54.436	-45.968
	High	-46.288	-48.896	-52.162	-30.642	-	-53.756	-48.243
256QAM	Low	-45.718	-48.518	-45.766	-	-29.797	-53.855	-47.273
	Middle	-46.317	-48.494	-52.208	-35.818	-30.503	-54.386	-47.958
	High	-44.175	-48.688	-52.046	-29.032	-	-54.530	-47.380

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	Low Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.485	-48.950	-48.784	-	-34.273	-54.605	-47.492
	Middle	-45.232	-48.453	-48.004	-42.459	-37.012	-53.750	-47.889
	High	-45.651	-49.280	-52.450	-32.444	-	-54.426	-46.621
16QAM	Low	-45.201	-48.815	-48.657	-	-33.312	-54.322	-47.771
	Middle	-45.319	-49.067	-49.468	-42.708	-36.984	-54.264	-48.009
	High	-44.954	-49.333	-51.888	-30.844	-	-54.093	-47.983
64QAM	Low	-45.455	-49.036	-50.347	-	-34.457	-54.498	-47.906
	Middle	-44.629	-49.240	-50.237	-42.480	-36.963	-54.367	-46.943
	High	-44.594	-49.123	-52.161	-32.833	-	-54.518	-47.413
256QAM	Low	-44.848	-49.385	-50.625	-	-34.300	-54.912	-48.121
	Middle	-44.893	-48.654	-51.988	-42.423	-36.822	-54.117	-47.444
	High	-44.179	-48.837	-51.860	-32.461	-	-53.039	-47.704

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	Low Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.522	-49.201	-48.543	-	-31.052	-54.472	-45.819
	Middle	-45.263	-48.551	-47.215	-39.441	-31.453	-51.727	-48.107
	High	-44.271	-48.816	-52.244	-29.495	-	-52.655	-48.044
16QAM	Low	-45.846	-48.363	-45.402	-	-31.853	-54.387	-47.280
	Middle	-44.247	-48.503	-49.773	-41.066	-33.057	-54.422	-47.692
	High	-45.268	-48.551	-51.052	-30.117	-	-53.325	-48.462
64QAM	Low	-45.750	-48.446	-47.026	-	-31.707	-53.403	-47.545
	Middle	-45.273	-48.641	-48.499	-39.549	-31.904	-51.303	-47.474
	High	-45.100	-49.098	-51.897	-29.480	-	-52.418	-47.323
256QAM	Low	-44.399	-48.629	-47.519	-	-31.317	-54.143	-47.915
	Middle	-45.821	-48.957	-45.689	-39.058	-31.323	-52.528	-47.986
	High	-45.665	-49.028	-50.034	-29.980	-	-52.703	-47.776

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR(60 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) [5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-54.542	-67.025	-48.967	-41.264	-	-40.018	-38.593	-38.285	-49.107	-47.057
	Middle	-54.493	-66.938	-49.783	-40.982	-39.616	-40.173	-38.600	-38.153	-49.249	-47.601
	High	-54.182	-63.918	-49.164	-41.817	-38.110	-	-38.543	-38.588	-48.139	-46.608
16QAM	Low	-53.948	-63.738	-49.238	-40.695	-	-39.576	-38.334	-38.968	-48.611	-47.753
	Middle	-54.370	-65.347	-49.656	-41.007	-39.095	-39.627	-39.007	-39.275	-49.010	-47.272
	High	-53.585	-66.752	-47.986	-42.778	-39.057	-	-38.515	-38.399	-48.407	-47.315
64QAM	Low	-53.957	-65.820	-47.730	-41.091	-	-39.929	-38.555	-38.477	-49.333	-47.587
	Middle	-54.762	-66.787	-49.121	-41.671	-39.246	-40.040	-37.472	-38.257	-48.119	-47.039
	High	-53.799	-66.856	-50.025	-41.540	-37.749	-	-38.158	-38.413	-48.688	-45.992
256QAM	Low	-54.003	-67.099	-49.584	-41.694	-	-39.593	-38.609	-38.440	-49.025	-46.868
	Middle	-54.417	-66.826	-49.662	-41.478	-39.272	-39.857	-38.429	-38.172	-49.062	-46.960
	High	-54.569	-65.797	-48.504	-41.592	-38.081	-	-38.357	-38.607	-49.140	-46.859

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-53.954	-64.239	-49.593	-41.283	-	-39.430	-39.176	-38.209	-48.045	-46.874
	Middle	-53.610	-65.828	-49.446	-41.770	-38.789	-40.187	-38.362	-38.385	-48.925	-46.957
	High	-53.721	-65.893	-50.087	-42.010	-39.196	-	-38.390	-38.066	-48.296	-47.492
16QAM	Low	-53.769	-65.755	-48.267	-41.482	-	-39.484	-37.639	-38.262	-49.044	-47.392
	Middle	-54.341	-67.109	-48.758	-41.091	-39.140	-39.900	-38.047	-39.395	-48.904	-45.647
	High	-54.178	-65.450	-48.575	-41.836	-38.599	-	-39.388	-38.846	-49.143	-47.251
64QAM	Low	-54.167	-67.122	-48.744	-42.050	-	-40.025	-38.853	-38.304	-49.516	-46.935
	Middle	-54.557	-66.568	-48.610	-40.654	-39.133	-40.180	-37.486	-38.809	-48.539	-47.314
	High	-54.259	-64.034	-49.860	-41.880	-38.988	-	-37.283	-37.624	-48.679	-47.953
256QAM	Low	-54.418	-66.015	-49.252	-40.628	-	-39.720	-38.781	-39.071	-48.805	-47.006
	Middle	-54.315	-65.772	-49.356	-41.298	-38.675	-40.006	-37.839	-38.575	-48.385	-46.889
	High	-54.269	-66.253	-49.770	-42.028	-38.898	-	-37.969	-38.366	-49.129	-46.980

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR 60 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C [5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-52.772	-64.120	-48.251	-41.190	-	-39.930	-38.118	-38.303	-48.672	-46.708
	Middle	-52.431	-64.325	-49.296	-41.198	-38.926	-39.146	-37.881	-37.467	-48.413	-47.126
	High	-52.489	-65.997	-48.702	-41.976	-38.260	-	-36.874	-38.089	-48.750	-46.276
16QAM	Low	-52.594	-65.932	-49.815	-41.076	-	-39.374	-37.978	-37.689	-49.002	-47.202
	Middle	-53.353	-66.525	-49.565	-41.918	-38.624	-40.136	-37.834	-37.399	-47.538	-47.133
	High	-52.646	-63.616	-48.962	-41.135	-38.506	-	-37.994	-38.503	-49.227	-46.996
64QAM	Low	-52.698	-65.038	-48.525	-40.261	-	-39.496	-38.281	-38.751	-47.834	-46.264
	Middle	-52.966	-64.130	-48.564	-41.128	-38.831	-39.735	-38.008	-36.618	-49.064	-46.701
	High	-52.879	-66.765	-48.457	-41.464	-38.806	-	-37.980	-37.926	-48.544	-46.547
256QAM	Low	-52.824	-62.457	-49.672	-40.945	-	-39.757	-38.233	-38.222	-49.094	-47.221
	Middle	-52.330	-59.415	-50.052	-41.210	-38.884	-39.610	-37.456	-36.899	-48.262	-46.811
	High	-52.728	-66.564	-49.874	-41.149	-38.595	-	-37.436	-37.970	-47.554	-46.567

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)									
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 3 550 MHz	3 550 MHz ~ Low Edge - 1 MHz	High Edge + 1 MHz ~ 3 700 MHz	3 700 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-53.081	-66.697	-49.437	-41.266	-	-40.019	-37.864	-37.620	-48.399	-47.101
	Middle	-53.110	-59.276	-49.767	-41.590	-39.159	-39.789	-38.145	-38.318	-48.665	-47.472
	High	-52.596	-67.479	-49.360	-41.192	-37.824	-	-37.976	-38.257	-47.996	-46.839
16QAM	Low	-52.475	-66.501	-49.202	-41.343	-	-40.034	-38.511	-38.536	-48.698	-46.630
	Middle	-52.615	-67.088	-48.878	-40.944	-38.605	-39.470	-37.853	-37.982	-48.719	-47.091
	High	-52.503	-63.992	-48.856	-40.862	-38.366	-	-37.532	-37.985	-48.425	-47.816
64QAM	Low	-53.152	-59.719	-48.836	-40.023	-	-39.082	-38.234	-37.871	-46.981	-47.167
	Middle	-52.922	-67.107	-48.283	-41.575	-38.850	-39.891	-36.968	-38.357	-48.921	-47.200
	High	-52.544	-64.874	-48.782	-41.790	-38.877	-	-37.725	-37.846	-48.447	-47.533
256QAM	Low	-52.688	-61.127	-48.907	-41.374	-	-39.027	-37.418	-37.769	-49.328	-46.940
	Middle	-52.503	-66.349	-49.272	-41.711	-39.157	-39.748	-38.046	-38.184	-48.591	-47.296
	High	-52.940	-66.347	-48.810	-41.291	-38.426	-	-37.611	-37.745	-48.561	-46.937

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.052	-48.874	-50.297	-39.864	-33.899	-48.110	-47.355
	Middle	-44.963	-49.080	-52.481	-36.186	-38.802	-47.382	-46.757
	High	-45.396	-48.865	-52.498	-32.850	-37.288	-48.004	-47.008
16QAM	Low	-45.253	-48.777	-51.353	-37.788	-33.808	-47.959	-47.654
	Middle	-45.403	-48.518	-51.983	-35.300	-36.650	-47.918	-46.125
	High	-45.017	-48.706	-51.250	-33.800	-37.253	-48.419	-47.815
64QAM	Low	-45.763	-48.790	-51.714	-39.613	-32.051	-47.978	-48.462
	Middle	-45.617	-49.006	-51.921	-36.242	-36.000	-48.102	-47.359
	High	-45.236	-49.070	-51.769	-32.682	-35.129	-48.641	-47.775
256QAM	Low	-46.280	-48.921	-51.464	-40.229	-34.070	-47.893	-47.155
	Middle	-44.270	-49.094	-51.923	-34.944	-36.707	-47.964	-46.149
	High	-45.550	-48.982	-52.393	-32.043	-34.869	-48.266	-47.811

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.513	-49.089	-51.649	-45.328	-42.088	-47.990	-48.134
	Middle	-44.771	-48.828	-52.423	-43.920	-42.949	-48.262	-47.751
	High	-46.028	-48.662	-51.754	-39.916	-44.290	-48.327	-46.900
16QAM	Low	-46.199	-48.860	-52.008	-44.322	-40.644	-47.857	-47.430
	Middle	-44.446	-49.120	-52.550	-43.141	-44.017	-48.457	-46.114
	High	-44.756	-49.441	-52.395	-39.951	-45.446	-48.223	-47.226
64QAM	Low	-44.908	-48.893	-51.612	-44.123	-41.544	-47.579	-46.532
	Middle	-46.362	-48.281	-52.258	-42.397	-42.788	-48.563	-46.219
	High	-45.307	-48.983	-52.042	-40.806	-45.744	-48.537	-48.075
256QAM	Low	-45.897	-49.073	-52.294	-45.823	-42.605	-48.218	-47.554
	Middle	-45.478	-48.913	-51.823	-43.419	-44.555	-47.874	-47.894
	High	-44.362	-48.852	-52.415	-38.707	-45.951	-48.170	-46.845

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C [5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.480	-49.198	-51.743	-	-36.734	-47.838	-47.930
	Middle	-45.441	-48.621	-51.793	-35.828	-36.573	-48.555	-47.943
	High	-45.154	-48.573	-52.194	-35.095	-	-48.063	-48.343
16QAM	Low	-45.581	-49.044	-51.593	-	-36.783	-47.589	-47.126
	Middle	-45.726	-49.221	-52.000	-36.713	-36.594	-48.165	-47.667
	High	-44.755	-48.476	-51.726	-35.217	-	-48.320	-47.608
64QAM	Low	-45.538	-48.824	-52.289	-	-36.449	-48.159	-47.828
	Middle	-46.588	-49.330	-51.316	-36.501	-35.815	-48.188	-48.156
	High	-44.332	-49.018	-52.437	-34.762	-	-48.119	-47.904
256QAM	Low	-45.600	-49.026	-52.082	-	-36.258	-48.002	-47.468
	Middle	-44.708	-48.705	-51.421	-36.059	-36.790	-48.440	-48.019
	High	-45.656	-48.837	-52.224	-35.046	-	-47.491	-47.497

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-46.031	-48.602	-51.676	-	-41.621	-47.483	-48.059
	Middle	-45.281	-48.866	-51.625	-41.273	-42.378	-48.431	-47.379
	High	-44.947	-49.085	-51.154	-40.177	-	-48.197	-46.618
16QAM	Low	-46.604	-49.272	-51.560	-	-40.918	-48.032	-47.561
	Middle	-44.136	-49.178	-52.029	-41.860	-42.274	-48.215	-47.729
	High	-44.737	-49.101	-51.533	-39.737	-	-48.053	-47.801
64QAM	Low	-45.240	-49.187	-51.583	-	-41.030	-48.325	-47.781
	Middle	-45.129	-49.221	-51.504	-40.429	-42.031	-48.063	-47.795
	High	-45.251	-48.904	-51.970	-40.794	-	-48.315	-47.770
256QAM	Low	-44.514	-48.768	-52.137	-	-40.663	-47.989	-47.818
	Middle	-45.680	-49.272	-51.999	-41.120	-42.483	-48.395	-47.273
	High	-45.562	-49.173	-52.019	-40.185	-	-47.591	-48.001

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-44.720	-49.075	-51.803	-	-35.960	-48.004	-48.193
	Middle	-46.907	-49.377	-52.332	-36.125	-42.463	-48.338	-47.664
	High	-45.141	-49.150	-52.248	-35.818	-	-47.881	-47.758
16QAM	Low	-46.191	-48.819	-49.696	-	-36.993	-47.866	-48.136
	Middle	-45.669	-49.160	-51.951	-36.818	-42.850	-47.851	-47.838
	High	-46.794	-49.058	-52.342	-35.579	-	-47.865	-46.646
64QAM	Low	-45.531	-48.931	-50.024	-	-36.588	-48.255	-47.853
	Middle	-45.698	-49.233	-52.213	-34.710	-40.769	-48.182	-46.827
	High	-45.542	-48.963	-51.126	-35.026	-	-48.332	-46.714
256QAM	Low	-46.941	-48.631	-52.069	-	-36.475	-48.405	-47.870
	Middle	-45.042	-48.935	-52.355	-36.842	-43.094	-48.533	-47.214
	High	-45.460	-49.059	-51.691	-34.990	-	-48.280	-46.576

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.948	-49.263	-51.417	-	-41.677	-48.494	-47.891
	Middle	-46.335	-48.829	-52.192	-40.806	-46.392	-48.191	-48.191
	High	-45.698	-48.511	-52.512	-40.488	-	-47.978	-46.966
16QAM	Low	-45.448	-48.644	-52.073	-	-41.932	-48.501	-47.684
	Middle	-45.528	-49.045	-51.822	-42.035	-46.717	-48.050	-47.027
	High	-44.610	-49.155	-52.006	-40.895	-	-48.135	-47.999
64QAM	Low	-44.488	-48.741	-52.290	-	-41.800	-48.327	-47.023
	Middle	-45.518	-48.580	-52.130	-41.927	-46.857	-48.506	-47.664
	High	-44.681	-48.998	-51.827	-40.087	-	-48.135	-47.367
256QAM	Low	-44.720	-49.299	-52.138	-	-41.190	-48.404	-46.077
	Middle	-45.028	-48.907	-51.821	-41.897	-45.965	-48.521	-47.473
	High	-45.405	-48.950	-51.709	-40.982	-	-48.217	-47.368

Note: 1C: 1 Carrier, 5C: 5 Carrier

**CBRS NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]
 Test Result for Output Port 0**

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.020	-48.971	-52.219	-	-37.782	-48.411	-47.379
	Middle	-45.253	-49.364	-52.406	-38.028	-44.592	-48.151	-47.315
	High	-44.820	-48.510	-51.800	-37.013	-	-48.450	-46.065
16QAM	Low	-45.557	-48.995	-49.084	-	-36.457	-47.613	-47.967
	Middle	-45.156	-49.071	-52.185	-38.743	-44.964	-48.406	-47.110
	High	-45.381	-46.502	-52.248	-36.547	-	-47.582	-47.142
64QAM	Low	-45.545	-49.029	-52.003	-	-37.456	-47.686	-47.740
	Middle	-44.961	-48.628	-51.784	-38.130	-44.958	-48.629	-47.962
	High	-45.767	-49.054	-52.180	-36.852	-	-47.832	-47.919
256QAM	Low	-44.701	-49.137	-51.230	-	-37.895	-47.714	-48.005
	Middle	-46.102	-49.229	-52.227	-39.175	-44.866	-48.451	-46.902
	High	-45.856	-48.440	-51.241	-36.112	-	-48.078	-47.212

Test Result for Output Port 1

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ Low Edge - 10 MHz	High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
QPSK	Low	-45.567	-48.858	-51.550	-	-42.139	-48.495	-47.708
	Middle	-45.410	-48.993	-52.388	-42.728	-48.766	-48.007	-47.914
	High	-44.620	-49.147	-52.237	-36.659	-	-48.199	-46.821
16QAM	Low	-45.742	-48.866	-52.272	-	-42.537	-47.431	-47.125
	Middle	-45.743	-49.208	-52.115	-42.830	-48.938	-48.086	-47.747
	High	-45.391	-48.946	-51.600	-36.389	-	-47.380	-47.353
64QAM	Low	-44.844	-48.702	-52.213	-	-42.634	-48.302	-47.573
	Middle	-45.506	-47.823	-52.233	-42.985	-49.225	-48.175	-45.320
	High	-45.109	-48.990	-52.234	-35.990	-	-48.466	-47.587
256QAM	Low	-46.555	-48.982	-52.177	-	-42.243	-47.970	-47.752
	Middle	-44.256	-48.861	-52.090	-42.733	-49.385	-48.256	-47.342
	High	-45.658	-48.694	-52.643	-37.110	-	-48.175	-47.772

Note: 1C: 1 Carrier, 5C: 5 Carrier

Tabular Data of RF Non-Contiguous

CBRS NR(10 MHz 1C + 60 MHz 1C)[2C]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-52.457	-66.380	-49.305	-40.675	-40.759	-38.270	-38.301	-48.941	-46.634
	16QAM	-52.196	-63.269	-48.943	-40.402	-40.601	-38.536	-39.568	-48.174	-47.627
	64QAM	-52.310	-63.330	-49.274	-39.607	-40.994	-37.977	-37.431	-48.066	-46.614
	256QAM	-50.968	-64.521	-48.414	-40.665	-41.687	-38.267	-38.030	-48.844	-46.175
1	QPSK	-47.420	-62.235	-48.793	-39.851	-40.562	-38.388	-38.532	-48.703	-45.665
	16QAM	-46.950	-60.878	-49.126	-40.731	-40.678	-38.091	-37.927	-49.034	-47.349
	64QAM	-49.010	-65.741	-49.083	-40.015	-41.403	-37.610	-38.502	-48.879	-47.356
	256QAM	-48.944	-62.740	-49.597	-40.305	-41.333	-37.099	-38.312	-48.134	-47.092

Note: 1C: 1 Carrier, 2C: 2 Carrier

CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-48.506	-60.329	-48.802	-40.998	-41.050	-37.574	-38.489	-48.967	-46.527
	16QAM	-48.884	-63.301	-48.243	-40.963	-37.803	-38.039	-38.056	-48.784	-47.996
	64QAM	-49.395	-64.690	-48.007	-41.182	-41.240	-38.232	-37.637	-48.894	-47.224
	256QAM	-49.936	-63.432	-48.399	-41.751	-40.416	-38.031	-37.267	-47.650	-47.347
1	QPSK	-48.770	-64.451	-50.277	-41.095	-40.854	-38.063	-38.029	-49.507	-46.982
	16QAM	-48.010	-65.912	-49.434	-41.136	-37.847	-37.545	-38.562	-49.441	-46.117
	64QAM	-48.975	-61.952	-48.643	-40.724	-41.041	-37.890	-38.416	-48.751	-46.724
	256QAM	-48.636	-65.962	-48.100	-40.971	-40.176	-37.908	-38.556	-48.544	-47.215

Note: 1C: 1 Carrier, 2C: 2 Carrier

CBRS NR(10 MHz 1C + 80 MHz 1C)[2C]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-49.746	-66.164	-48.269	-41.204	-37.283	-38.351	-38.244	-48.939	-47.713
	16QAM	-49.452	-59.809	-48.918	-40.537	-40.597	-38.081	-38.434	-48.633	-47.747
	64QAM	-48.025	-62.150	-49.279	-40.564	-40.953	-38.366	-38.676	-49.024	-45.438
	256QAM	-47.221	-63.054	-49.166	-41.612	-40.882	-38.192	-38.476	-48.467	-47.772
1	QPSK	-49.013	-64.402	-48.995	-40.451	-40.163	-37.311	-37.678	-48.327	-47.006
	16QAM	-48.112	-65.692	-49.262	-41.843	-40.801	-37.905	-38.133	-49.074	-47.710
	64QAM	-49.884	-61.684	-49.430	-40.263	-40.589	-38.483	-37.806	-48.662	-47.054
	256QAM	-48.733	-63.070	-47.728	-40.883	-40.425	-38.108	-38.563	-48.411	-47.120

Note: 1C: 1 Carrier, 2C: 2 Carrier

CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-50.104	-65.578	-48.152	-40.872	-39.294	-38.051	-38.514	-48.870	-46.499
	16QAM	-50.181	-62.660	-48.879	-41.278	-40.359	-38.332	-38.912	-48.844	-46.701
	64QAM	-49.818	-63.195	-47.577	-40.365	-40.854	-38.548	-38.624	-48.938	-45.953
	256QAM	-48.418	-62.708	-49.317	-40.594	-40.199	-37.937	-38.332	-48.947	-47.308
1	QPSK	-48.855	-65.386	-48.984	-40.959	-40.695	-38.684	-38.395	-48.600	-45.717
	16QAM	-47.681	-63.414	-48.910	-41.235	-38.895	-38.431	-38.697	-48.864	-46.531
	64QAM	-50.051	-62.754	-48.765	-40.895	-40.652	-38.931	-38.473	-48.007	-47.770
	256QAM	-50.718	-66.070	-47.640	-41.347	-40.989	-38.571	-37.898	-49.417	-47.120

Note: 1C: 1 Carrier, 2C: 2 Carrier

CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)][5C(1C+4C)]

Port	Mod	Measured Level (dBm)							
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.132	-48.855	-51.968	-33.474	-38.000	-33.754	-45.904	-47.989
	16QAM	-44.566	-48.865	-52.442	-32.639	-38.816	-34.363	-45.261	-48.014
	64QAM	-45.252	-48.808	-51.868	-35.066	-37.796	-34.637	-45.704	-47.734
	256QAM	-45.048	-48.725	-52.313	-34.154	-38.591	-35.697	-46.322	-47.536
	1024QAM	-46.318	-49.295	-52.478	-35.266	-38.651	-35.505	-45.271	-47.198
1	QPSK	-44.488	-49.030	-52.043	-37.093	-38.696	-38.995	-45.942	-46.665
	16QAM	-45.766	-48.769	-52.248	-36.332	-38.477	-39.112	-45.849	-48.084
	64QAM	-44.750	-48.786	-51.158	-37.014	-38.437	-39.651	-45.864	-47.735
	256QAM	-44.418	-48.809	-52.491	-37.494	-38.553	-40.052	-45.730	-47.561
	1024QAM	-46.407	-48.663	-52.313	-35.910	-38.698	-39.611	-45.742	-47.957

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE[(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)]

Port	Mod	Measured Level (dBm)							
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.671	-49.569	-52.527	-34.189	-38.000	-33.091	-46.149	-48.048
	16QAM	-45.359	-49.231	-51.531	-34.012	-38.816	-32.714	-46.052	-47.586
	64QAM	-44.936	-49.241	-51.924	-33.478	-37.796	-32.305	-46.205	-47.820
	256QAM	-45.007	-49.489	-52.492	-33.091	-38.591	-32.939	-46.206	-47.893
	1024QAM	-46.570	-49.231	-52.112	-33.040	-38.651	-32.556	-46.501	-47.109
1	QPSK	-45.477	-48.713	-52.126	-40.039	-38.696	-36.906	-46.489	-46.926
	16QAM	-44.288	-49.222	-52.094	-39.986	-38.477	-37.302	-46.679	-47.258
	64QAM	-45.031	-49.954	-52.050	-40.120	-38.437	-37.408	-46.242	-48.067
	256QAM	-45.627	-48.986	-51.386	-40.662	-38.553	-37.398	-46.398	-45.981
	1024QAM	-44.019	-48.875	-52.665	-40.664	-38.698	-37.993	-46.224	-47.573

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 20 MHz 1C)][5C(1C+4C)]

Port	Mod	Measured Level (dBm)							
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.364	-49.017	-52.173	-35.400	-39.246	-46.087	-47.218	-45.364
	16QAM	-45.612	-48.798	-52.206	-36.521	-38.325	-46.217	-47.335	-45.612
	64QAM	-46.512	-49.022	-50.138	-36.367	-38.134	-45.686	-48.001	-46.512
	256QAM	-46.815	-48.102	-52.059	-36.484	-39.052	-46.172	-47.709	-46.815
	1024QAM	-45.468	-49.034	-52.142	-35.637	-39.347	-46.042	-47.621	-45.468
1	QPSK	-44.884	-48.833	-52.343	-40.143	-38.822	-46.191	-47.692	-44.884
	16QAM	-45.821	-48.723	-52.207	-39.108	-38.649	-45.288	-47.852	-45.821
	64QAM	-46.512	-49.011	-51.941	-39.425	-38.740	-46.005	-47.748	-46.512
	256QAM	-45.049	-48.664	-52.491	-40.010	-39.661	-45.823	-46.363	-45.049
	1024QAM	-45.748	-49.183	-52.507	-39.599	-39.260	-46.585	-47.329	-45.748

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE[(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)]

Port	Mod	Measured Level (dBm)							
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.022	-48.538	-51.720	-32.588	-46.151	-45.677	-46.151	-45.022
	16QAM	-44.505	-49.229	-51.722	-32.870	-46.951	-45.727	-46.951	-44.505
	64QAM	-44.413	-48.397	-51.068	-32.399	-47.926	-45.843	-47.926	-44.413
	256QAM	-45.465	-49.037	-51.916	-31.937	-46.958	-46.038	-46.958	-45.465
	1024QAM	-45.147	-49.179	-51.614	-31.111	-47.761	-46.274	-47.761	-45.147
1	QPSK	-45.696	-48.747	-51.790	-34.461	-47.605	-45.468	-47.605	-45.696
	16QAM	-45.278	-49.009	-51.713	-34.156	-47.667	-45.303	-47.667	-45.278
	64QAM	-45.001	-48.640	-52.105	-35.193	-47.965	-46.350	-47.965	-45.001
	256QAM	-45.451	-49.079	-51.830	-35.742	-46.318	-45.601	-46.318	-45.451
	1024QAM	-44.804	-48.660	-51.945	-34.716	-47.938	-45.747	-47.938	-44.804

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][5C(1C+4C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-44.464	-48.829	-51.837	-43.467	-48.004	-47.771
	16QAM	-45.190	-49.015	-52.174	-43.413	-47.972	-47.283
	64QAM	-44.203	-48.684	-52.066	-43.897	-48.261	-47.990
	256QAM	-44.590	-49.197	-51.304	-43.861	-48.338	-47.802
	1024QAM	-45.843	-48.177	-51.462	-44.108	-48.275	-47.645
1	QPSK	-46.108	-48.816	-51.908	-43.888	-48.237	-47.568
	16QAM	-44.765	-49.295	-51.477	-44.080	-47.933	-45.257
	64QAM	-45.565	-48.799	-52.288	-43.495	-48.515	-47.498
	256QAM	-45.161	-48.825	-52.291	-43.969	-48.052	-48.043
	1024QAM	-45.783	-48.411	-52.146	-43.783	-48.568	-47.158

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-44.450	-48.558	-50.383	-42.999	-47.424	-47.515
	16QAM	-46.268	-49.301	-52.123	-36.094	-47.824	-47.035
	64QAM	-46.113	-48.965	-50.948	-43.547	-48.272	-47.674
	256QAM	-44.501	-48.780	-51.746	-43.519	-47.748	-46.354
	1024QAM	-46.103	-47.730	-51.862	-43.455	-47.989	-46.438
1	QPSK	-46.062	-48.998	-52.308	-42.952	-48.394	-47.119
	16QAM	-45.036	-49.026	-51.785	-37.048	-47.381	-47.666
	64QAM	-44.906	-49.011	-51.097	-43.473	-48.289	-47.475
	256QAM	-44.594	-48.890	-51.738	-43.559	-48.513	-47.981
	1024QAM	-44.470	-49.074	-51.474	-43.760	-48.027	-47.962

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

Port	Mod	Measured Level (dBm)							
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.951	-48.444	-45.726	-30.215	-38.258	-31.172	-53.699	-46.486
	16QAM	-44.900	-48.322	-49.537	-32.320	-37.226	-32.150	-52.385	-47.574
	64QAM	-45.340	-48.931	-47.057	-32.194	-36.894	-32.313	-53.098	-46.760
	256QAM	-44.132	-48.438	-47.642	-32.235	-38.844	-31.495	-50.748	-47.083
1	QPSK	-46.162	-49.251	-47.311	-31.068	-38.321	-32.107	-54.118	-47.805
	16QAM	-46.150	-48.896	-44.928	-30.519	-37.785	-32.432	-54.214	-47.641
	64QAM	-45.761	-48.699	-44.397	-31.067	-38.005	-32.253	-53.981	-47.415
	256QAM	-44.270	-49.180	-44.263	-31.215	-38.501	-32.642	-54.159	-48.450

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

Port	Mod	Measured Level (dBm)							
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.125	-48.642	-51.371	-29.765	-41.209	-29.939	-49.723	-47.439
	16QAM	-45.563	-48.553	-45.407	-30.979	-40.797	-29.629	-49.693	-47.748
	64QAM	-43.818	-48.819	-45.417	-29.975	-41.125	-29.798	-50.733	-47.682
	256QAM	-45.997	-48.848	-44.943	-30.618	-41.393	-29.561	-51.275	-48.183
1	QPSK	-46.287	-48.529	-46.188	-29.916	-41.197	-29.384	-49.259	-48.107
	16QAM	-46.108	-48.526	-45.134	-29.192	-40.680	-29.065	-47.941	-46.689
	64QAM	-44.502	-48.007	-45.608	-30.058	-42.065	-29.194	-46.577	-47.127
	256QAM	-45.223	-48.228	-44.400	-29.316	-41.875	-29.606	-48.663	-48.463

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 40 MHz 1C)][5C(1C+4C)]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-44.870	-47.848	-51.075	-40.234	-40.320	-47.890	-46.896
	16QAM	-44.135	-48.851	-50.339	-39.579	-40.254	-48.049	-46.451
	64QAM	-45.345	-49.326	-51.697	-39.620	-39.158	-47.820	-47.372
	256QAM	-46.151	-48.900	-52.361	-39.239	-38.120	-48.180	-47.414
1	QPSK	-44.857	-48.959	-51.495	-44.168	-40.125	-47.833	-47.466
	16QAM	-44.523	-48.796	-51.792	-44.269	-40.209	-48.360	-47.509
	64QAM	-45.539	-48.991	-51.587	-44.234	-39.866	-48.151	-48.088
	256QAM	-44.162	-49.041	-52.087	-44.431	-40.308	-47.450	-47.112

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.774	-48.958	-51.696	-40.950	-43.904	-48.484	-47.697
	16QAM	-46.178	-48.650	-51.459	-40.532	-43.069	-48.396	-48.210
	64QAM	-44.641	-49.144	-52.071	-40.749	-43.716	-47.863	-48.142
	256QAM	-45.351	-49.136	-51.743	-40.878	-42.985	-47.986	-48.027
1	QPSK	-45.711	-49.218	-51.873	-43.753	-43.398	-48.157	-47.800
	16QAM	-44.506	-48.577	-52.367	-43.428	-43.099	-48.201	-46.982
	64QAM	-44.948	-48.846	-51.390	-43.666	-42.901	-47.943	-48.032
	256QAM	-46.008	-48.774	-52.097	-43.525	-43.831	-48.309	-47.810

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 30 MHz 1C + 40 MHz 1C)][5C(1C+4C)]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.514	-49.198	-52.299	-41.866	-41.668	-48.117	-47.295
	16QAM	-45.810	-49.099	-52.120	-41.977	-41.440	-47.886	-46.906
	64QAM	-45.704	-49.424	-52.341	-41.354	-41.951	-47.744	-47.582
	256QAM	-44.538	-48.892	-52.221	-42.154	-41.609	-48.325	-47.766
1	QPSK	-45.282	-48.775	-52.093	-45.410	-41.899	-47.392	-46.772
	16QAM	-44.596	-49.452	-50.909	-45.349	-40.723	-48.247	-47.268
	64QAM	-45.718	-49.207	-51.789	-45.303	-41.627	-48.389	-47.611
	256QAM	-44.418	-48.879	-51.551	-45.133	-41.320	-48.447	-47.224

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.415	-48.879	-51.178	-41.245	-41.735	-48.386	-46.748
	16QAM	-44.716	-49.338	-51.239	-41.884	-42.644	-47.942	-46.456
	64QAM	-45.727	-48.983	-52.459	-41.126	-42.070	-48.412	-45.741
	256QAM	-45.119	-48.959	-51.780	-41.704	-40.998	-48.255	-47.027
1	QPSK	-45.031	-48.307	-52.032	-45.519	-42.359	-48.138	-47.316
	16QAM	-45.367	-48.975	-52.370	-45.468	-41.984	-47.910	-46.118
	64QAM	-45.635	-49.061	-51.624	-45.425	-42.423	-47.999	-46.910
	256QAM	-44.662	-48.666	-51.983	-45.643	-42.550	-48.153	-46.531

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[60 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-49.151	-65.204	-50.037	-41.556	-41.093	-38.310	-37.384	-49.040	-45.271
	16QAM	-49.510	-61.917	-50.112	-40.660	-40.292	-38.468	-38.410	-49.338	-47.208
	64QAM	-49.252	-60.878	-47.943	-41.021	-40.512	-38.369	-38.083	-48.894	-47.281
	256QAM	-50.241	-65.320	-49.970	-40.676	-41.021	-38.670	-38.011	-48.342	-46.829
1	QPSK	-49.202	-65.148	-49.413	-40.381	-41.689	-37.458	-37.334	-49.189	-47.609
	16QAM	-49.446	-66.024	-48.661	-40.701	-41.191	-37.859	-37.916	-49.495	-46.505
	64QAM	-49.321	-64.713	-48.422	-40.977	-41.265	-37.809	-38.611	-49.201	-46.411
	256QAM	-50.776	-64.629	-48.802	-41.229	-41.064	-38.502	-39.280	-49.480	-46.819

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 60 MHz 1C][5C(4C+1C)]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-47.423	-58.690	-49.599	-40.142	-40.731	-38.594	-38.373	-49.243	-46.966
	16QAM	-45.924	-57.890	-48.107	-39.972	-41.535	-38.230	-37.750	-47.565	-46.901
	64QAM	-45.418	-59.413	-48.990	-39.890	-40.484	-37.938	-38.263	-48.053	-47.147
	256QAM	-47.984	-57.716	-48.781	-40.081	-37.904	-38.054	-39.031	-48.980	-47.185
1	QPSK	-47.490	-57.811	-48.954	-40.283	-40.666	-38.767	-38.589	-48.841	-47.376
	16QAM	-45.938	-62.188	-49.436	-40.774	-40.587	-38.294	-38.860	-48.229	-46.357
	64QAM	-48.017	-57.357	-49.190	-39.957	-40.603	-38.434	-38.529	-48.880	-46.765
	256QAM	-46.717	-59.493	-49.210	-39.606	-40.840	-38.825	-37.967	-49.101	-46.854

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS NR 60 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.413	-58.553	-49.587	-40.948	-41.180	-38.243	-38.509	-48.581	-47.306
	16QAM	-49.116	-58.917	-49.554	-41.055	-41.418	-38.348	-37.961	-48.729	-46.628
	64QAM	-45.432	-59.384	-48.327	-39.641	-38.908	-37.923	-38.161	-48.632	-46.391
	256QAM	-48.099	-60.843	-49.640	-41.077	-38.245	-37.580	-38.298	-48.203	-46.887
1	QPSK	-46.680	-60.105	-48.845	-39.959	-40.694	-37.993	-38.528	-48.821	-46.403
	16QAM	-48.600	-60.048	-48.902	-40.255	-40.470	-37.945	-37.886	-48.235	-47.392
	64QAM	-47.434	-60.062	-49.123	-40.823	-41.341	-37.950	-38.895	-48.149	-47.411
	256QAM	-45.003	-61.007	-48.025	-40.603	-40.877	-38.399	-38.416	-48.143	-47.054

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS (LTE 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + NR 60 MHz 1C [5C(4C+1C)]

Port	Mod.	Measured Level (dBm)								
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 1 MHz	1 st High Edge + 1 MHz ~ 2 nd Low Edge -1 MHz	2 nd High Edge + 1 MHz ~ 3 710 MHz	3 710 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-48.520	-58.638	-49.870	-40.541	-37.799	-37.748	-38.173	-48.311	-46.767
	16QAM	-46.994	-60.752	-48.862	-40.338	-41.115	-38.130	-39.101	-49.226	-47.538
	64QAM	-46.190	-58.837	-48.082	-40.427	-41.219	-38.412	-38.623	-48.355	-47.434
	256QAM	-48.543	-59.716	-48.213	-40.220	-41.418	-36.895	-38.834	-48.736	-45.335
1	QPSK	-47.407	-58.026	-48.092	-40.309	-41.038	-38.388	-38.379	-49.186	-47.333
	16QAM	-48.402	-59.806	-49.368	-40.430	-41.181	-38.409	-38.529	-47.921	-47.246
	64QAM	-48.310	-59.645	-49.731	-40.365	-41.360	-38.351	-38.005	-48.143	-47.418
	256QAM	-47.733	-59.186	-49.497	-40.615	-40.862	-38.588	-36.876	-49.112	-46.653

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) [5C(1C+4C)]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	1 st High Edge + 10 MHz ~ 3720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.876	-48.820	-51.525	-36.700	-37.036	-48.346	-47.880
	16QAM	-46.022	-49.210	-52.413	-36.261	-38.389	-47.862	-48.058
	64QAM	-45.887	-49.159	-49.902	-36.618	-37.654	-48.006	-47.434
	256QAM	-45.806	-48.538	-52.027	-34.508	-37.885	-48.177	-48.354
1	QPSK	-45.208	-49.186	-52.642	-40.524	-46.069	-47.898	-47.481
	16QAM	-45.178	-48.529	-51.388	-39.381	-45.832	-47.543	-47.275
	64QAM	-45.189	-48.772	-51.537	-40.878	-46.135	-48.026	-47.882
	256QAM	-45.392	-48.805	-51.808	-40.941	-45.869	-48.178	-48.215

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]

Port	Mod	Measured Level (dBm)						
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	1 st High Edge + 10 MHz ~ 2 nd Low Edge - 10 MHz	2 nd High Edge + 10 MHz ~ 3 720 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.408	-48.106	-50.051	-35.146	-33.505	-48.123	-48.133
	16QAM	-44.382	-48.897	-50.784	-35.692	-34.035	-48.342	-47.743
	64QAM	-45.541	-48.972	-50.887	-35.250	-33.726	-48.237	-47.122
	256QAM	-45.079	-48.530	-51.825	-34.963	-33.118	-47.657	-47.670
1	QPSK	-45.014	-49.020	-51.941	-43.555	-38.413	-48.160	-47.784
	16QAM	-45.630	-48.859	-52.018	-42.724	-38.680	-48.221	-47.328
	64QAM	-44.573	-48.651	-51.150	-41.694	-39.490	-48.048	-46.768
	256QAM	-45.222	-49.052	-51.826	-42.953	-38.706	-48.226	-47.840

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE 5 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.526	-49.136	-52.403	-41.445	-48.743	-47.827
	16QAM	-44.754	-48.906	-52.036	-40.840	-48.573	-47.883
	64QAM	-45.600	-48.235	-51.070	-41.516	-48.225	-47.470
	256QAM	-46.320	-48.723	-52.167	-41.596	-48.344	-47.160
1	QPSK	-46.224	-48.231	-51.370	-44.307	-48.132	-48.303
	16QAM	-44.751	-48.960	-51.899	-44.043	-48.295	-47.917
	64QAM	-44.947	-48.962	-52.304	-44.233	-47.999	-47.661
	256QAM	-44.524	-48.786	-51.649	-44.388	-47.852	-46.836

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.312	-49.275	-48.042	-39.906	-48.378	-47.792
	16QAM	-45.739	-48.775	-51.748	-40.004	-48.234	-47.903
	64QAM	-45.847	-49.104	-51.213	-39.780	-48.330	-47.219
	256QAM	-45.435	-49.230	-49.519	-40.112	-48.464	-47.235
1	QPSK	-45.015	-48.866	-52.190	-43.953	-48.267	-47.897
	16QAM	-45.629	-49.236	-52.073	-44.739	-48.656	-47.839
	64QAM	-45.052	-48.779	-52.158	-44.514	-48.457	-47.165
	256QAM	-44.617	-49.274	-51.920	-44.717	-48.163	-47.549

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-46.199	-49.160	-51.450	-39.959	-48.205	-47.381
	16QAM	-44.151	-48.786	-52.012	-40.225	-47.961	-47.763
	64QAM	-45.363	-49.265	-51.619	-40.541	-48.344	-47.567
	256QAM	-44.234	-49.108	-51.799	-40.140	-48.139	-47.131
1	QPSK	-45.210	-49.159	-52.442	-44.100	-48.608	-46.369
	16QAM	-45.201	-49.107	-52.421	-44.567	-48.311	-47.216
	64QAM	-45.708	-48.656	-52.388	-44.099	-48.368	-47.767
	256QAM	-45.559	-48.750	-52.254	-44.124	-48.444	-47.142

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.115	-48.962	-50.779	-38.232	-48.175	-47.996
	16QAM	-45.638	-49.265	-50.363	-39.163	-48.079	-47.994
	64QAM	-45.880	-49.209	-50.476	-38.565	-47.644	-47.776
	256QAM	-44.765	-48.466	-51.360	-38.839	-48.580	-47.336
1	QPSK	-44.627	-48.876	-52.473	-42.939	-48.128	-48.001
	16QAM	-45.996	-49.123	-50.986	-42.971	-47.766	-47.827
	64QAM	-45.511	-48.785	-51.617	-43.205	-48.027	-46.389
	256QAM	-44.924	-48.584	-52.354	-43.038	-47.912	-47.834

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.086	-48.743	-52.229	-42.994	-48.242	-46.644
	16QAM	-44.590	-49.367	-51.706	-43.218	-48.130	-45.456
	64QAM	-46.008	-49.329	-51.702	-42.885	-48.361	-47.638
	256QAM	-44.928	-49.100	-52.066	-43.633	-48.365	-47.564
1	QPSK	-45.937	-49.003	-52.431	-44.596	-48.433	-48.150
	16QAM	-44.964	-48.370	-52.306	-44.916	-47.779	-47.225
	64QAM	-45.537	-48.770	-52.393	-44.851	-48.101	-47.876
	256QAM	-46.631	-49.176	-52.242	-45.013	-48.500	-47.761

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

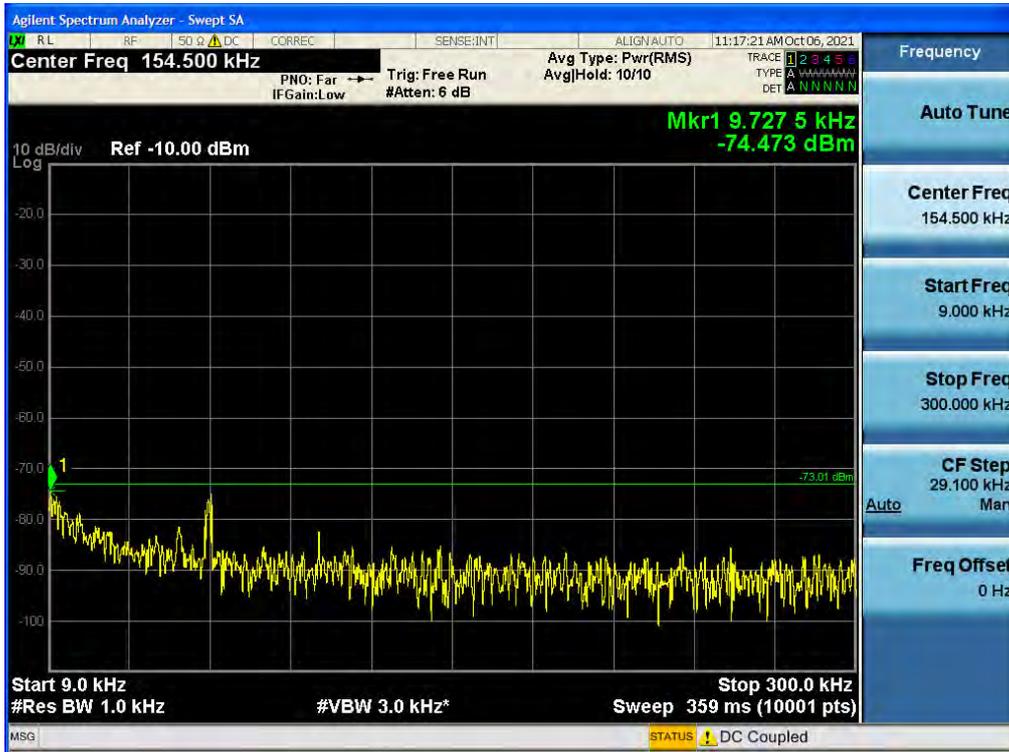
CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]

Port	Mod	Measured Level (dBm)					
		9 kHz ~ 300 kHz	300 kHz ~ 30 MHz	30 MHz ~ 3 530 MHz	3 530 MHz ~ 1 st Low Edge - 10 MHz	3 720 MHz ~ 18 GHz	18 GHz ~ 40 GHz
0	QPSK	-45.463	-48.804	-51.853	-42.132	-48.506	-47.478
	16QAM	-45.608	-48.952	-52.220	-41.801	-47.537	-46.311
	64QAM	-45.369	-49.134	-51.786	-41.519	-48.381	-46.005
	256QAM	-45.337	-48.766	-52.163	-41.406	-48.743	-47.121
1	QPSK	-45.533	-49.487	-52.077	-46.133	-48.507	-47.322
	16QAM	-46.909	-48.952	-51.968	-46.091	-48.245	-47.862
	64QAM	-44.933	-48.614	-52.321	-46.032	-48.323	-46.787
	256QAM	-44.554	-49.278	-52.012	-46.127	-47.978	-46.675

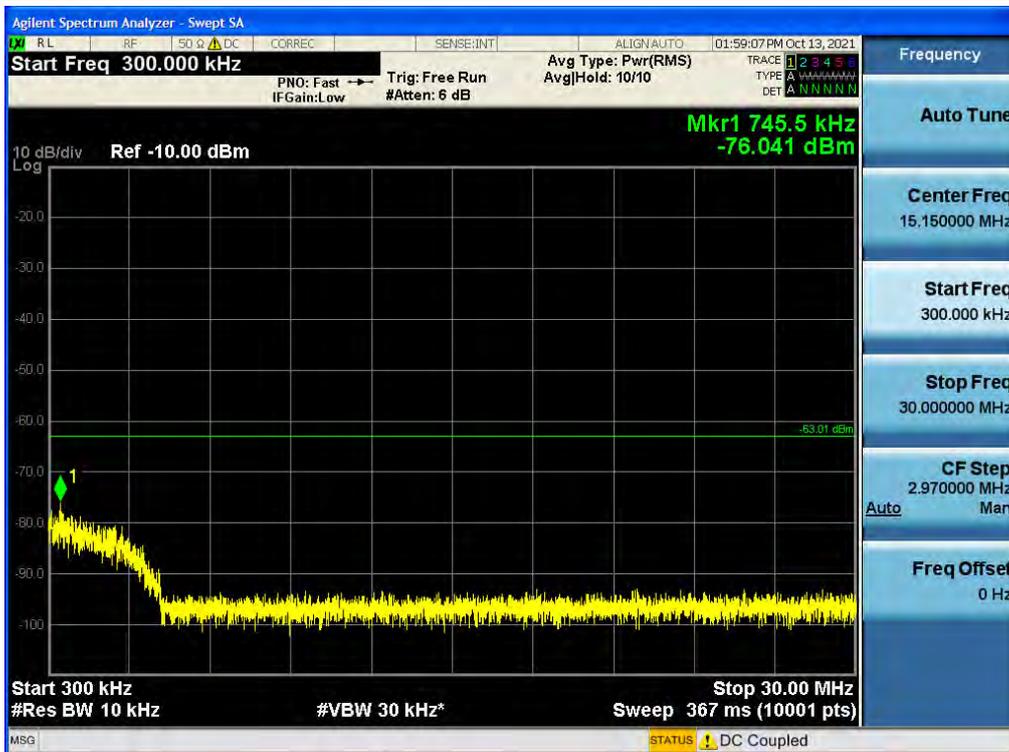
Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

Plot Data of Spurious Unwanted Emissions

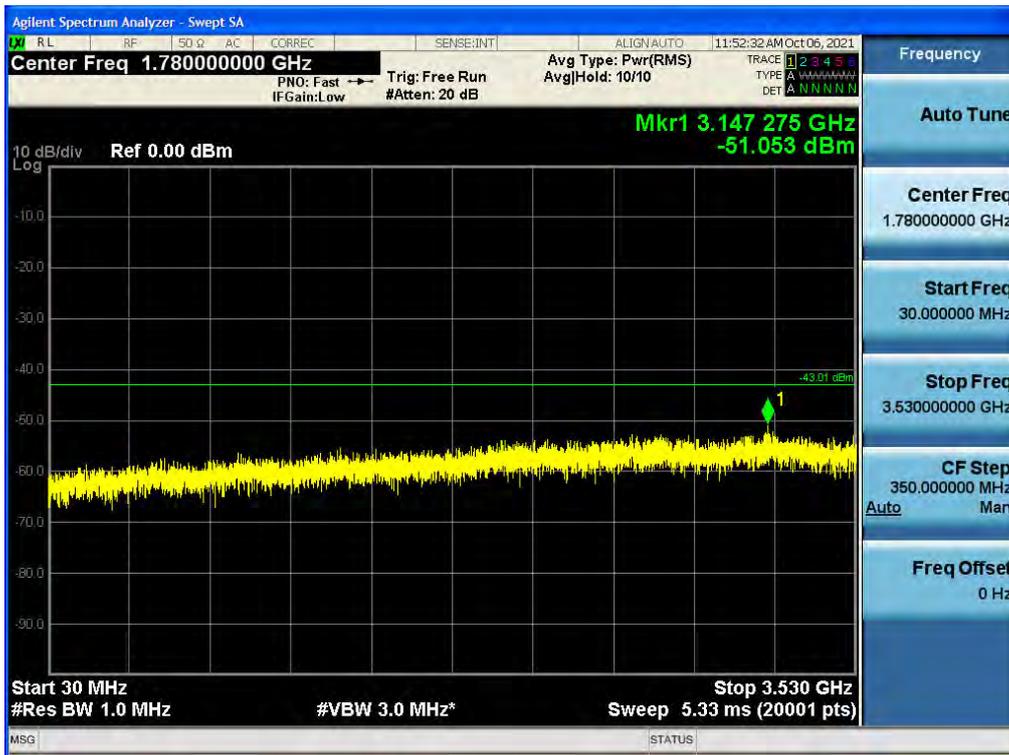
Antenna 0 / 9 kHz ~ 300 kHz / CBRS LTE 5 MHz 1 Carrier / QPSK / Low



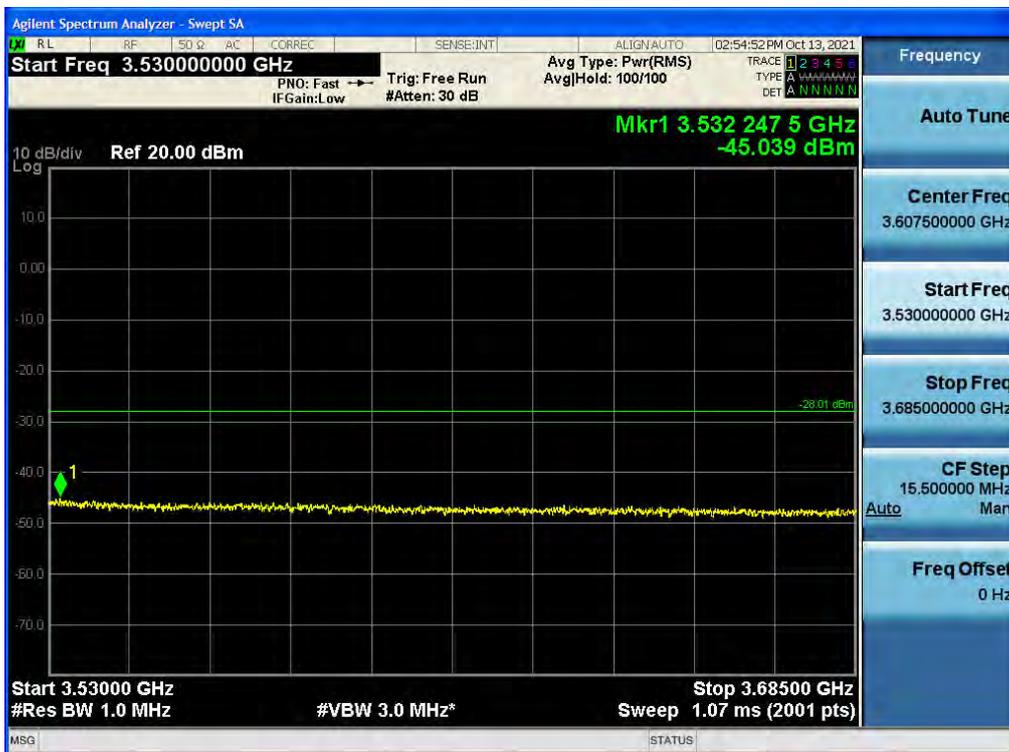
Antenna 1 / 300 kHz ~ 30 MHz / CBRS LTE 5 MHz 1 Carrier / QPSK / Low



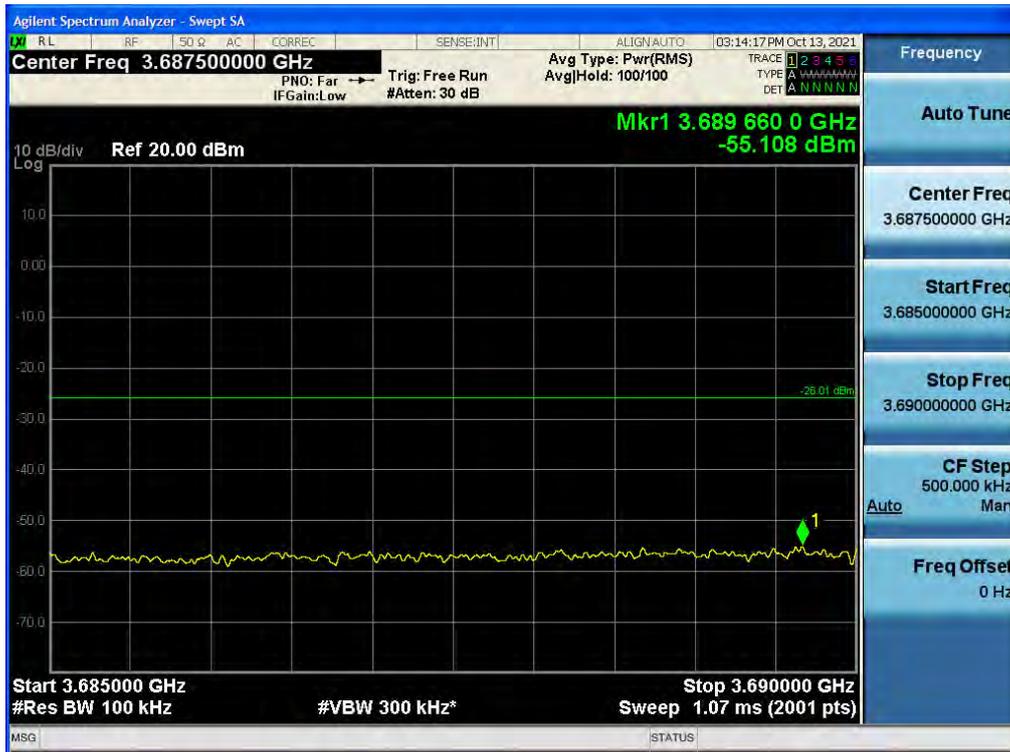
Antenna 0 / 30 MHz ~ 3530 MHz / CBRS LTE 5 MHz 1 Carrier / 1024QAM / Low



Antenna 1 / 3530 MHz ~ Low Edge - 10 MHz / CBRS LTE 5 MHz 1 Carrier / QPSK / High



Antenna 1 / Low Edge - 10 MHz ~ Low Edge / CBRS LTE 5 MHz 1 Carrier / 1024QAM / High



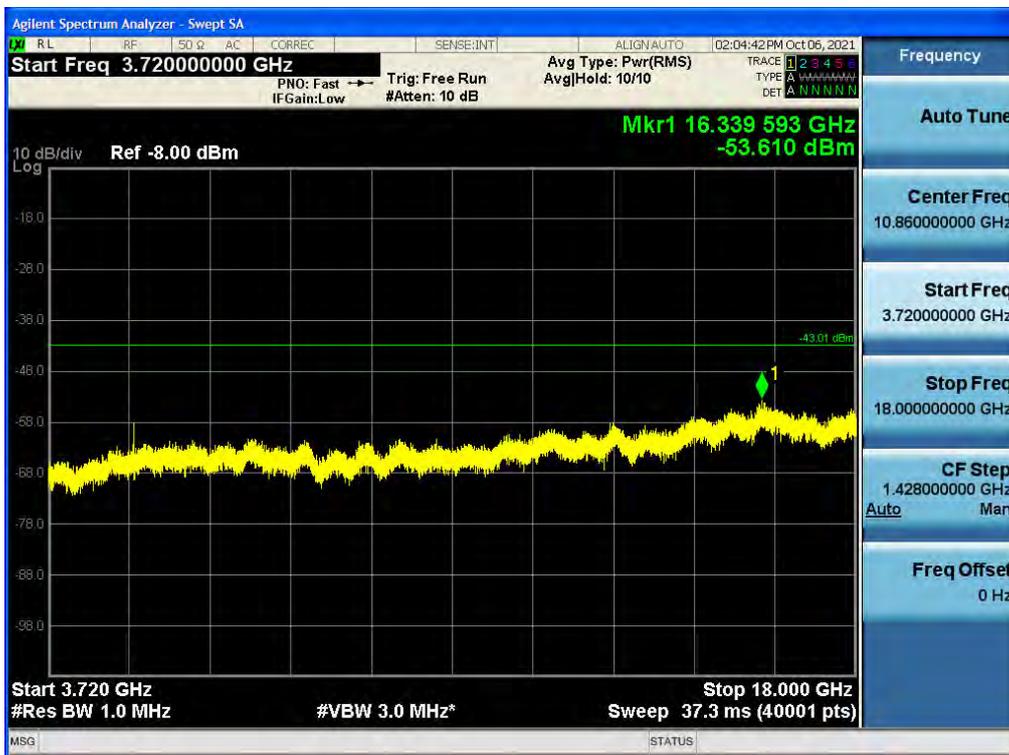
Antenna 1 / High Edge ~ High Edge + 10 MHz / CBRS LTE 5 MHz 1 Carrier / 16QAM / High



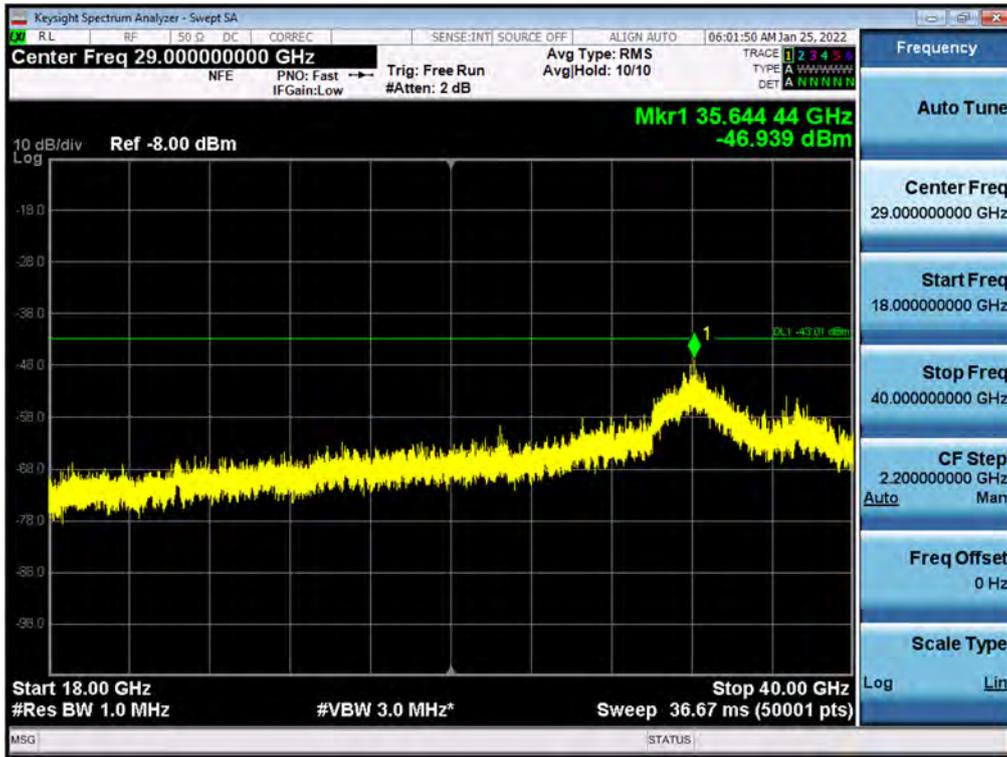
Antenna 1 / High Edge + 10 MHz ~ 3720 MHz / CBRS LTE 5 MHz 1 Carrier / 64QAM / Low



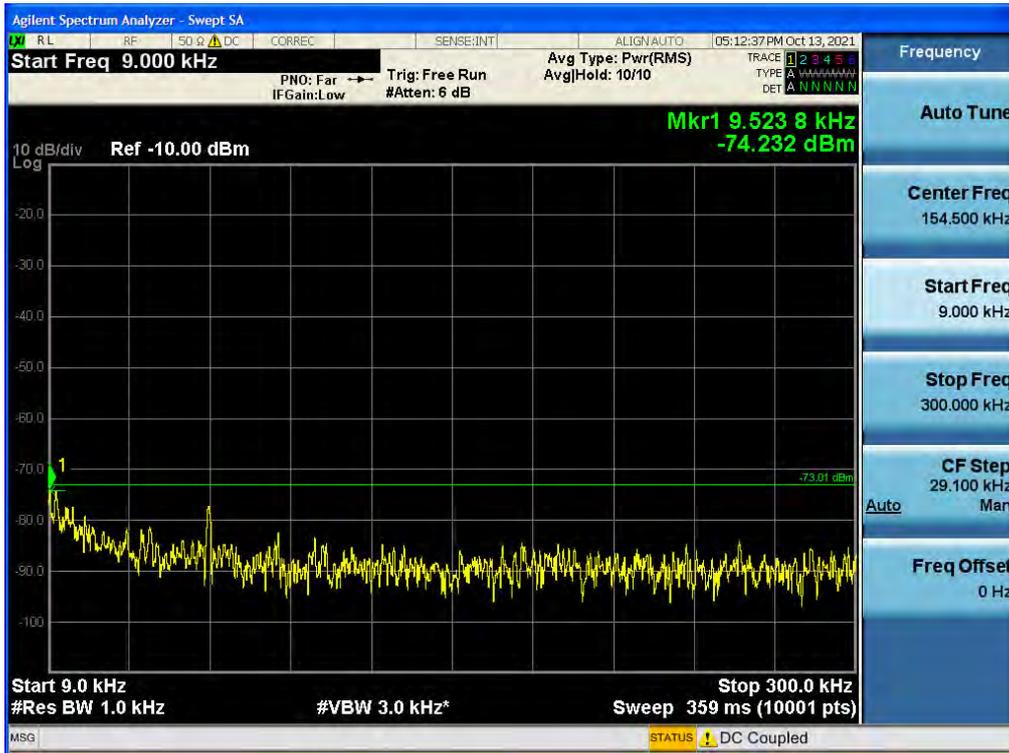
Antenna 0 / 3720 MHz ~ 18 GHz / CBRS LTE 5 MHz 1 Carrier / 64QAM / Middle



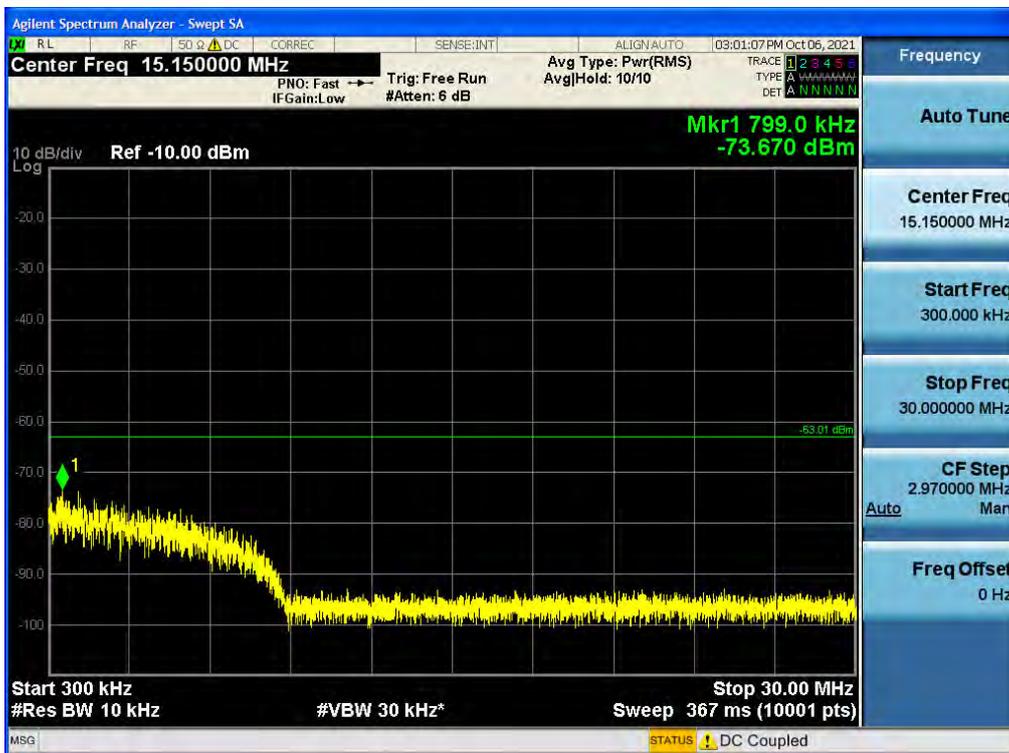
Antenna 1 / 18 GHz ~ 40 GHz / CBRS LTE 5 MHz 1 Carrier / 16QAM / Middle



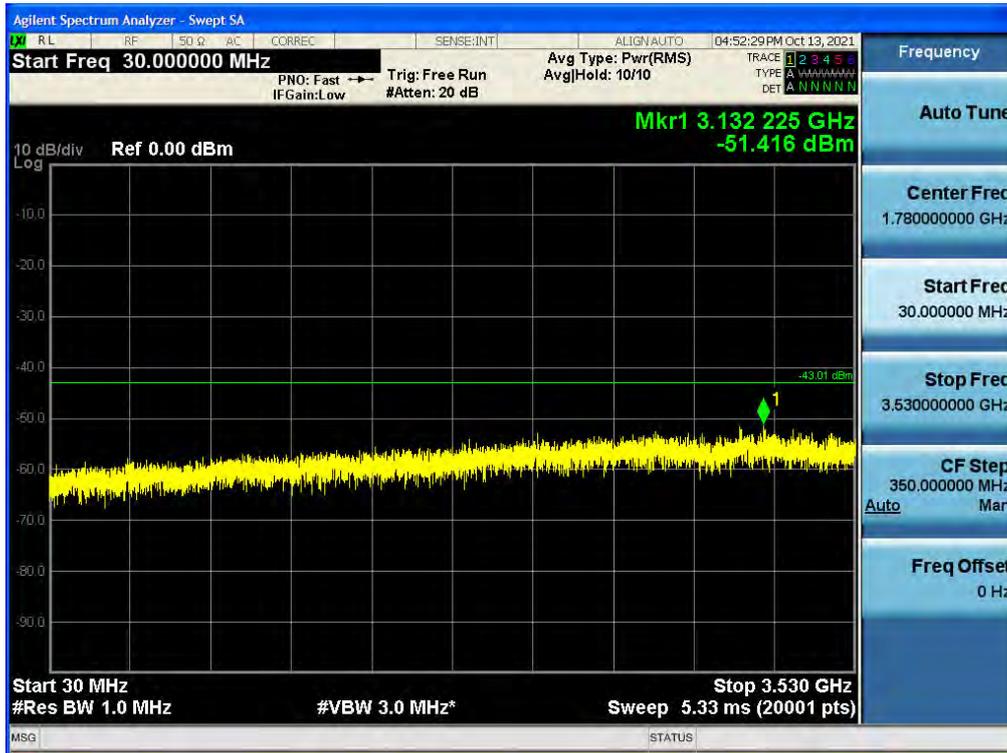
Antenna 1 / 9 kHz ~ 300 kHz / CBRS LTE 10 MHz 1 Carrier / 1024QAM / High



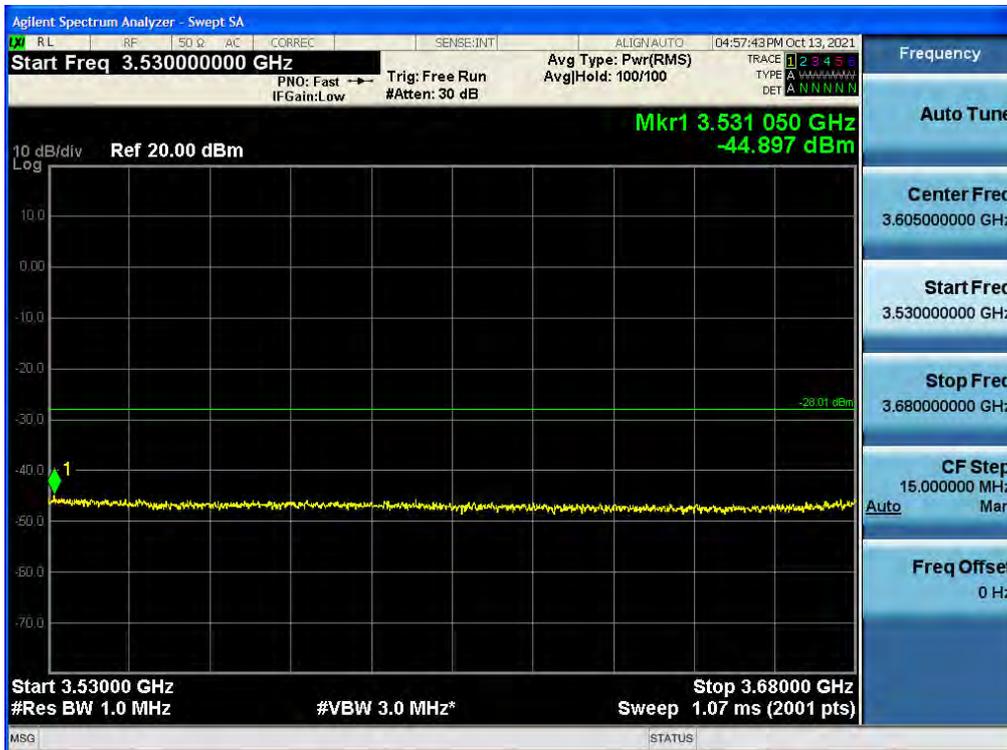
Antenna 0 / 300 kHz ~ 30 MHz / CBRS LTE 10 MHz 1 Carrier / 1024QAM / Low



Antenna 1 / 30 MHz ~ 3530 MHz / CBRS LTE 10 MHz 1 Carrier / 1024QAM / Middle



Antenna 1 / 3530 MHz ~ Low Edge - 10 MHz / CBRS LTE 10 MHz 1 Carrier / QPSK / High



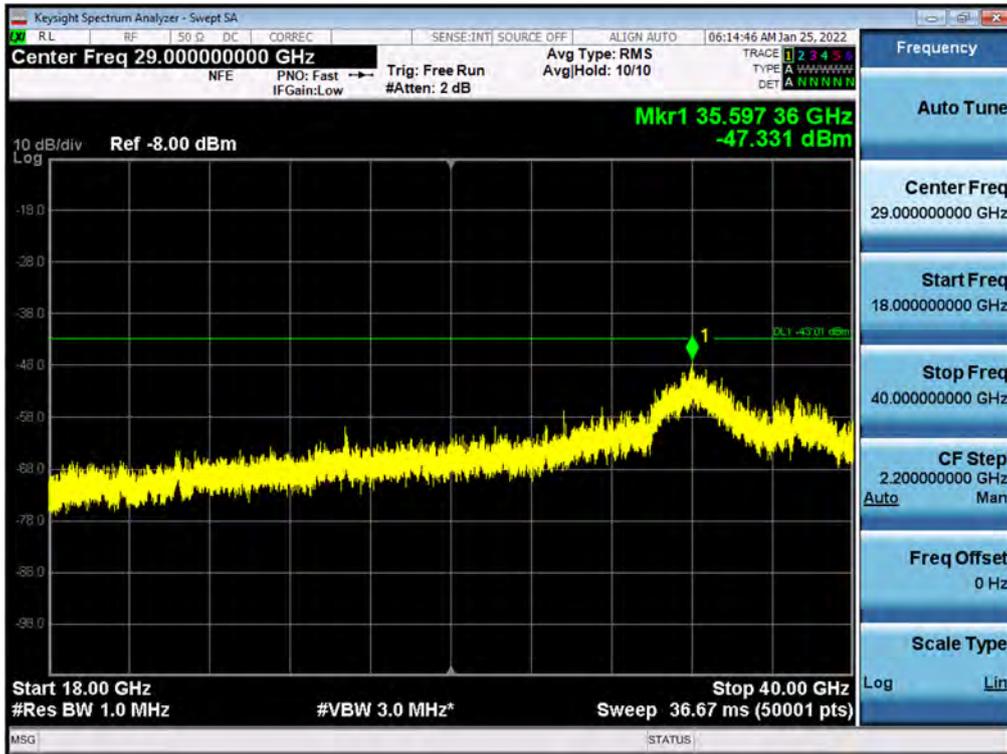
Antenna 1 / High Edge + 10 MHz ~ 3720 MHz / CBRS LTE 10 MHz 1 Carrier / 256QAM / Middle



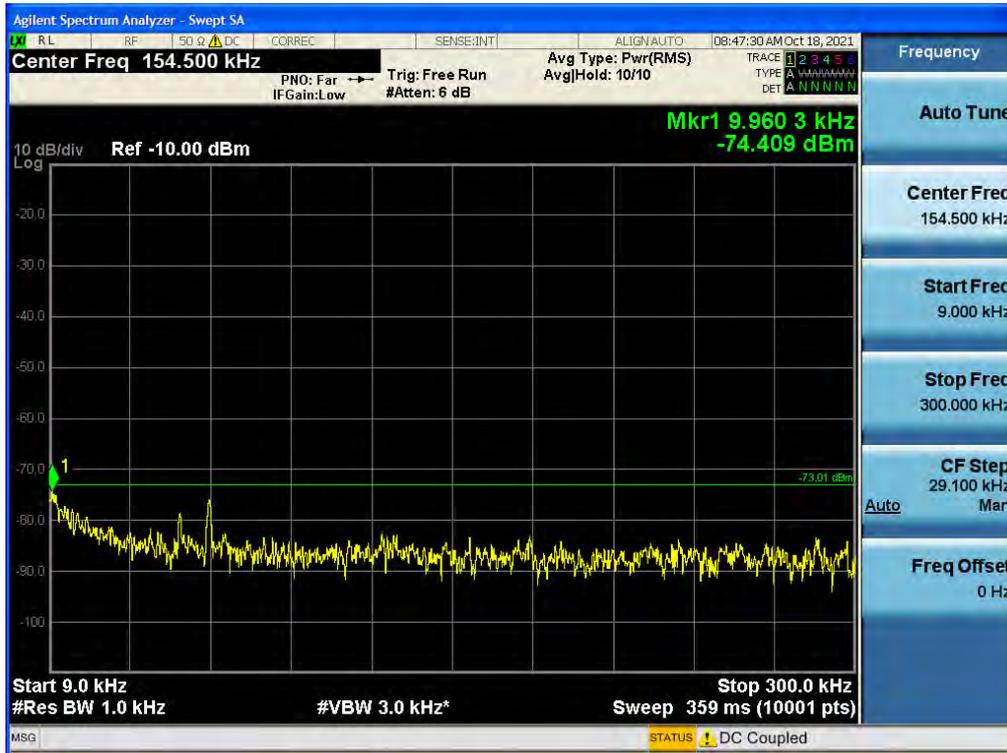
Antenna 0 / 3720 MHz ~ 18 GHz / CBRS LTE 10 MHz 1 Carrier / 256QAM / High



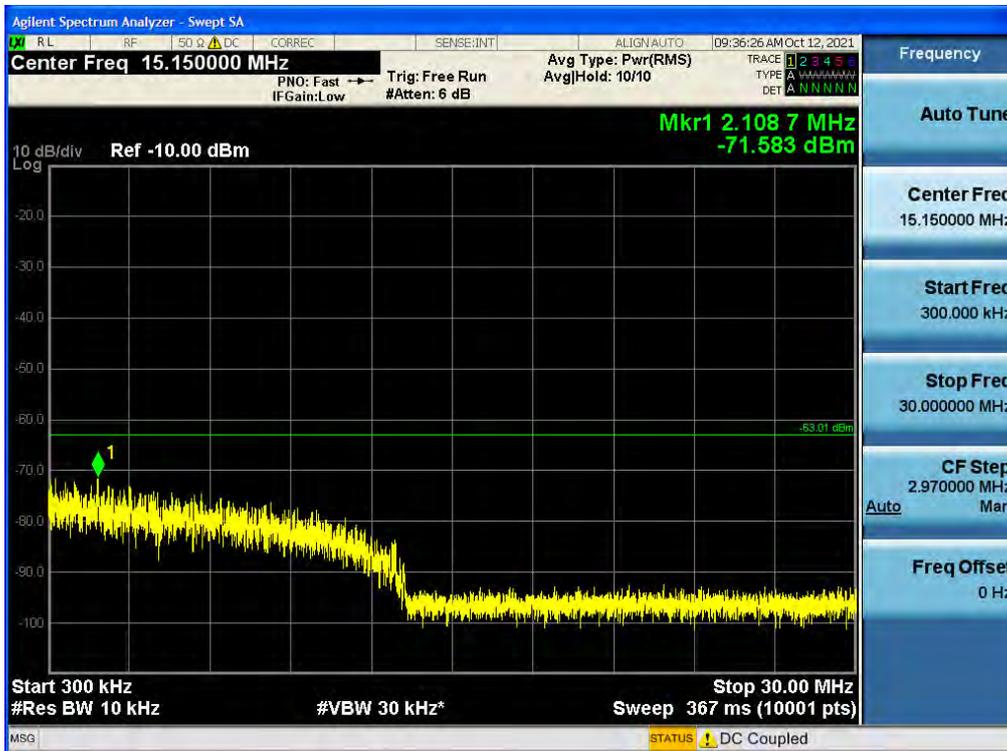
Antenna 0 / 18 GHz ~ 40 GHz / CBRS LTE 10 MHz 1 Carrier / QPSK / Middle



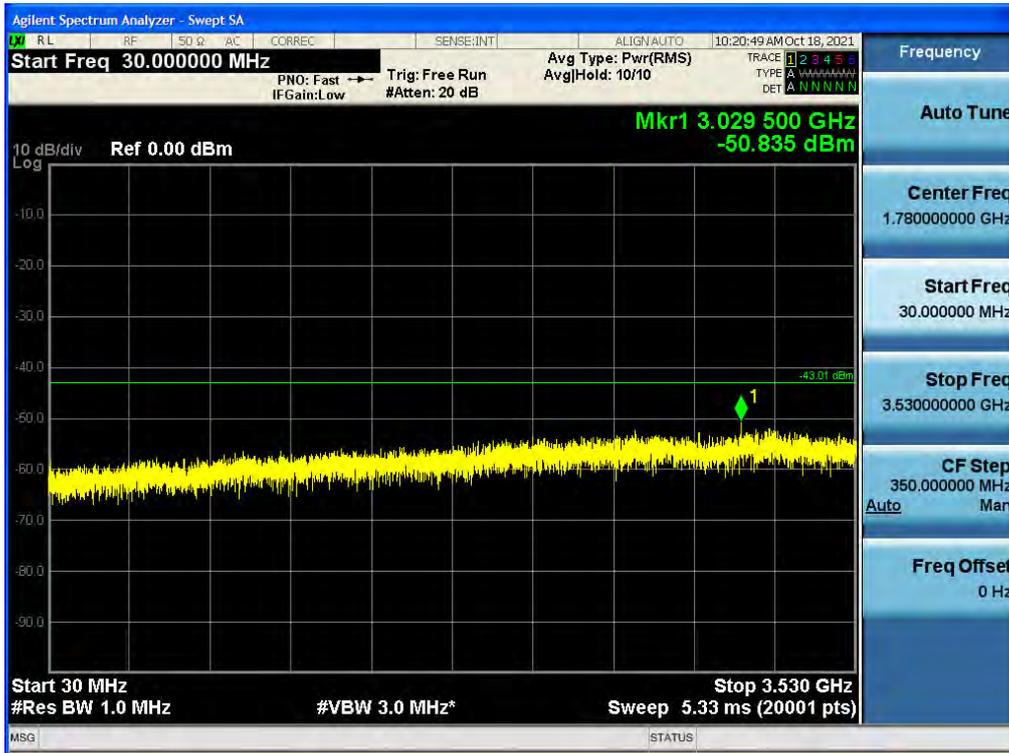
Antenna 1 / 9 kHz ~ 300 kHz / CBRS LTE 15 MHz 1 Carrier / 16QAM / Low



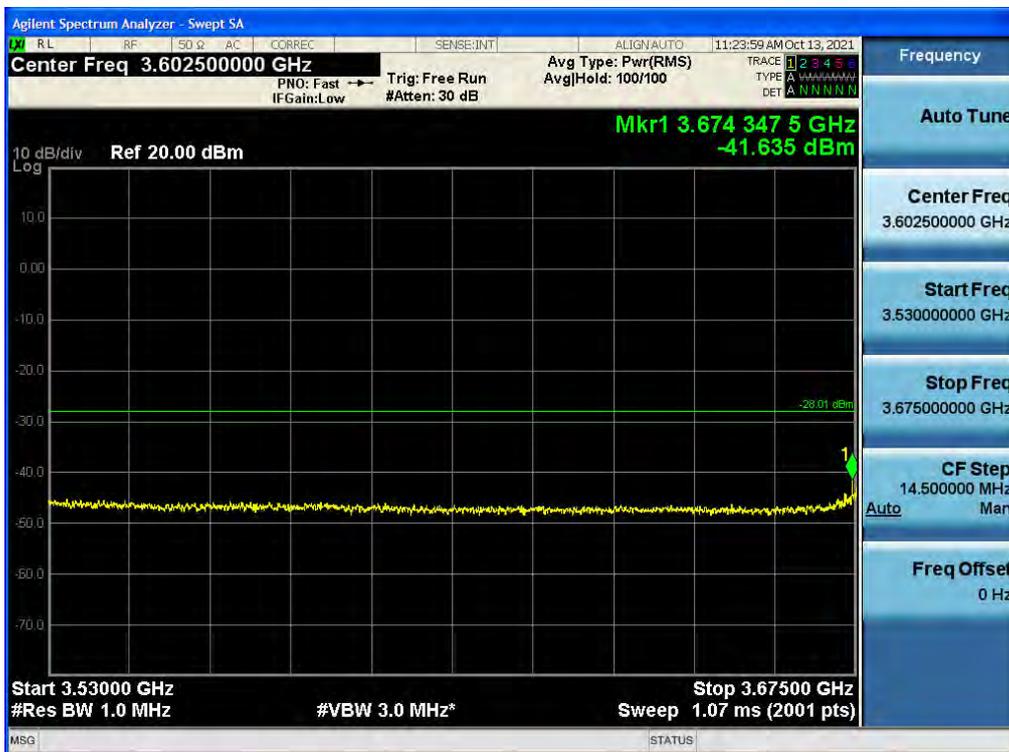
Antenna 0 / 300 kHz ~ 30 MHz / CBRS LTE 15 MHz 1 Carrier / 16QAM / Low



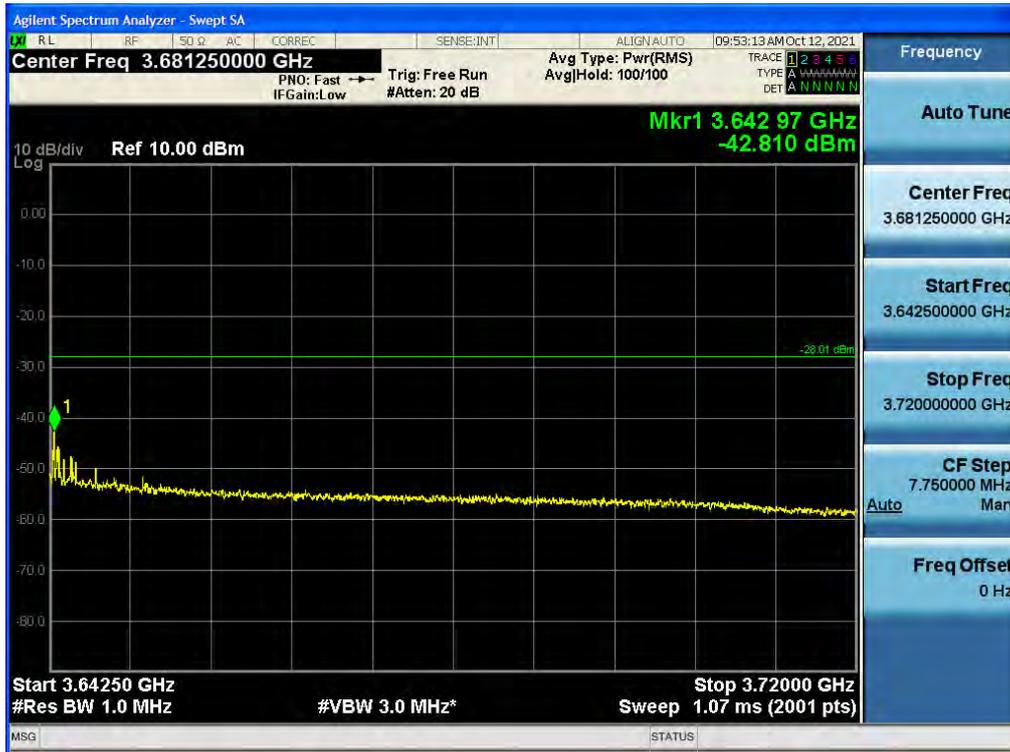
Antenna 1 / 30 MHz ~ 3530 MHz / CBRS LTE 15 MHz 1 Carrier / 1024QAM / High



Antenna 0 / 3530 MHz ~ Low Edge - 10 MHz / CBRS LTE 15 MHz 1 Carrier / QPSK / High



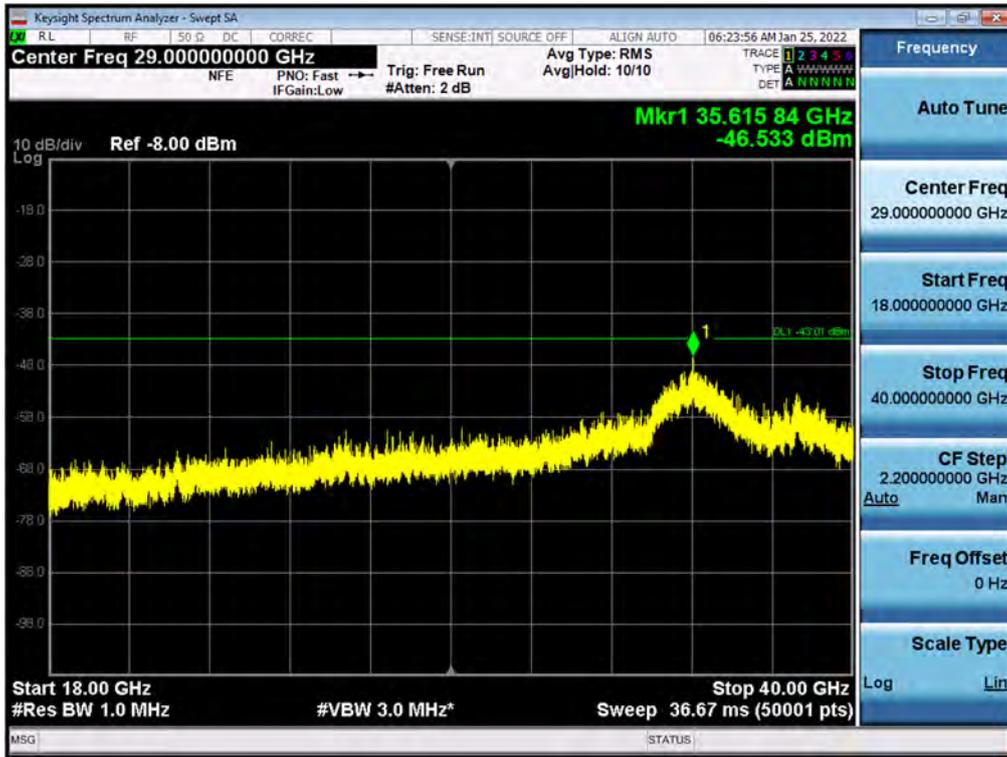
Antenna 0 / High Edge + 10 MHz ~ 3720 MHz / CBRS LTE 15 MHz 1 Carrier / 16QAM / Middle



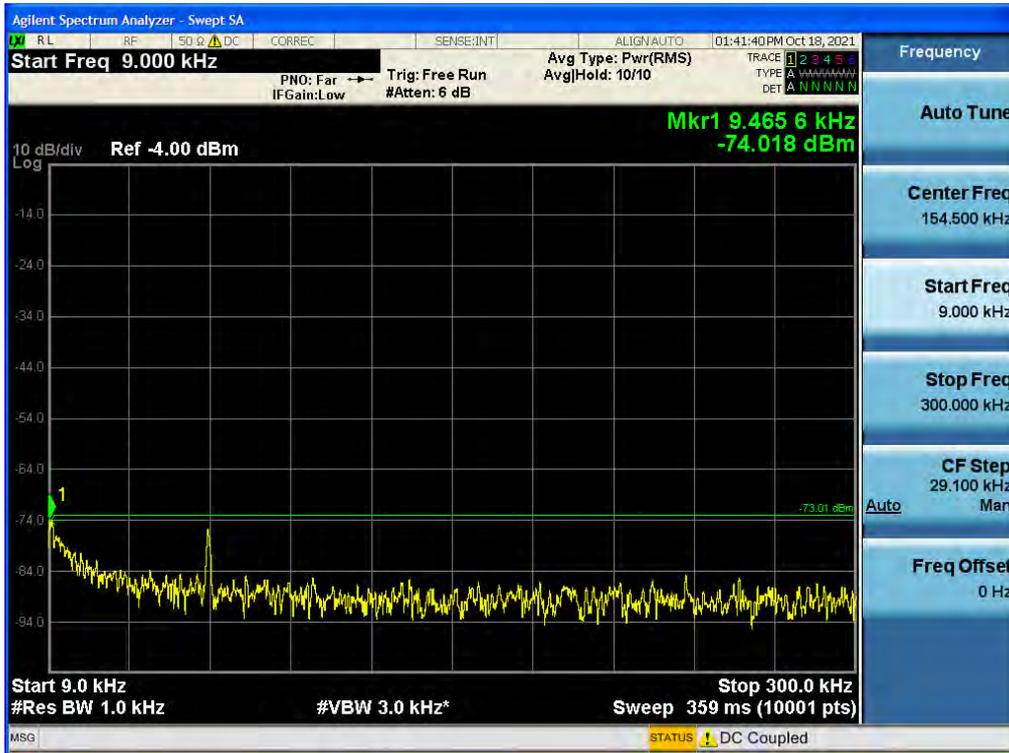
Antenna 1 / 3720 MHz ~ 18 GHz / CBRS LTE 15 MHz 1 Carrier / 256QAM / High



Antenna 1 / 18 GHz ~ 40 GHz / CBRS LTE 15 MHz 1 Carrier / 64QAM / Middle



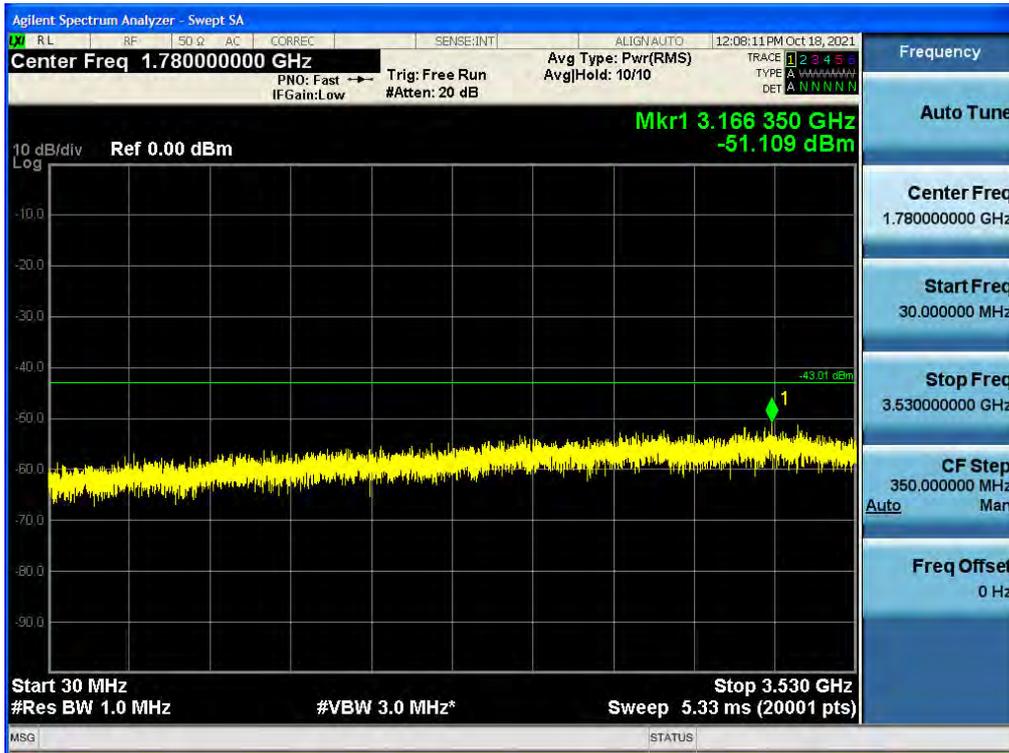
Antenna 1 / 9 kHz ~ 300 kHz / CBRS LTE 20 MHz 1 Carrier / 256QAM / Middle



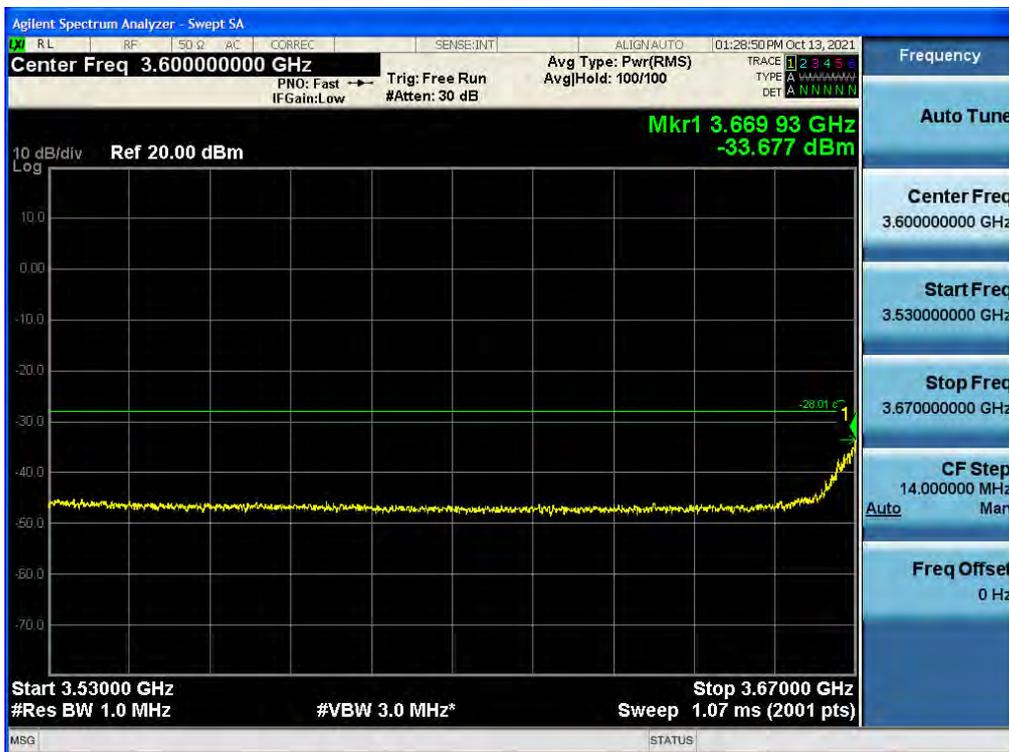
Antenna 1 / 300 kHz ~ 30 MHz / CBRS LTE 20 MHz 1 Carrier / 64QAM / Low



Antenna 1 / 30 MHz ~ 3530 MHz / CBRS LTE 20 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / 3530 MHz ~ Low Edge - 10 MHz / CBRS LTE 20 MHz 1 Carrier / 1024QAM / High



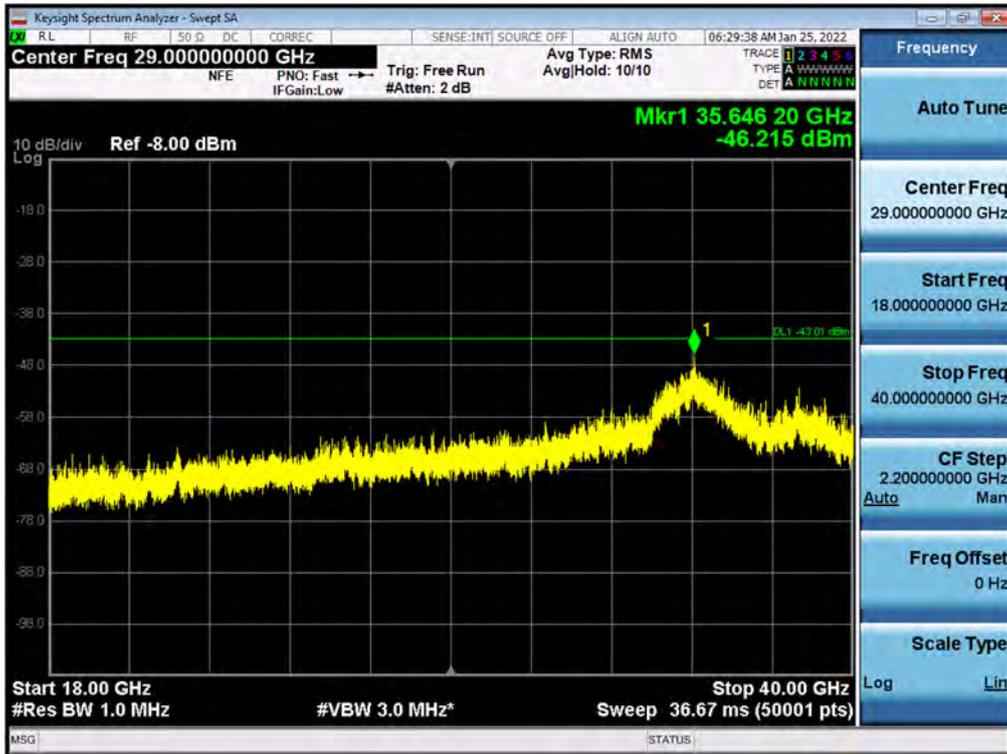
Antenna 0 / High Edge + 10 MHz ~ 3720 MHz / CBRS LTE 20 MHz 1 Carrier / 64QAM / Low



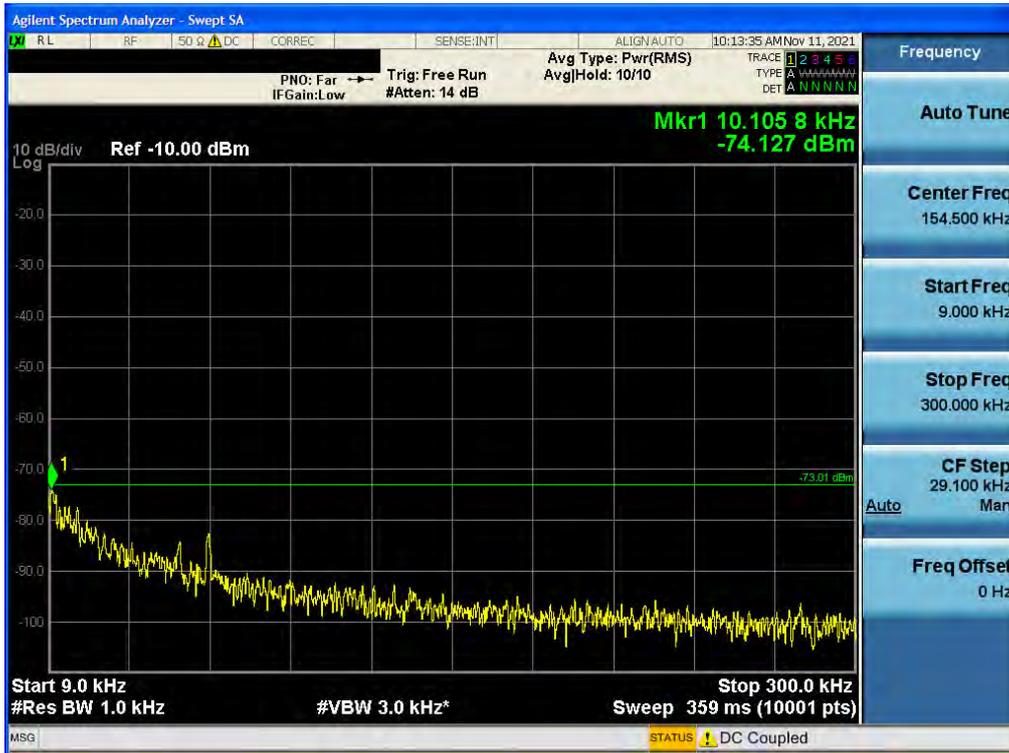
Antenna 0 / 3720 MHz ~ 18 GHz / CBRS LTE 20 MHz 1 Carrier / 16QAM / Middle



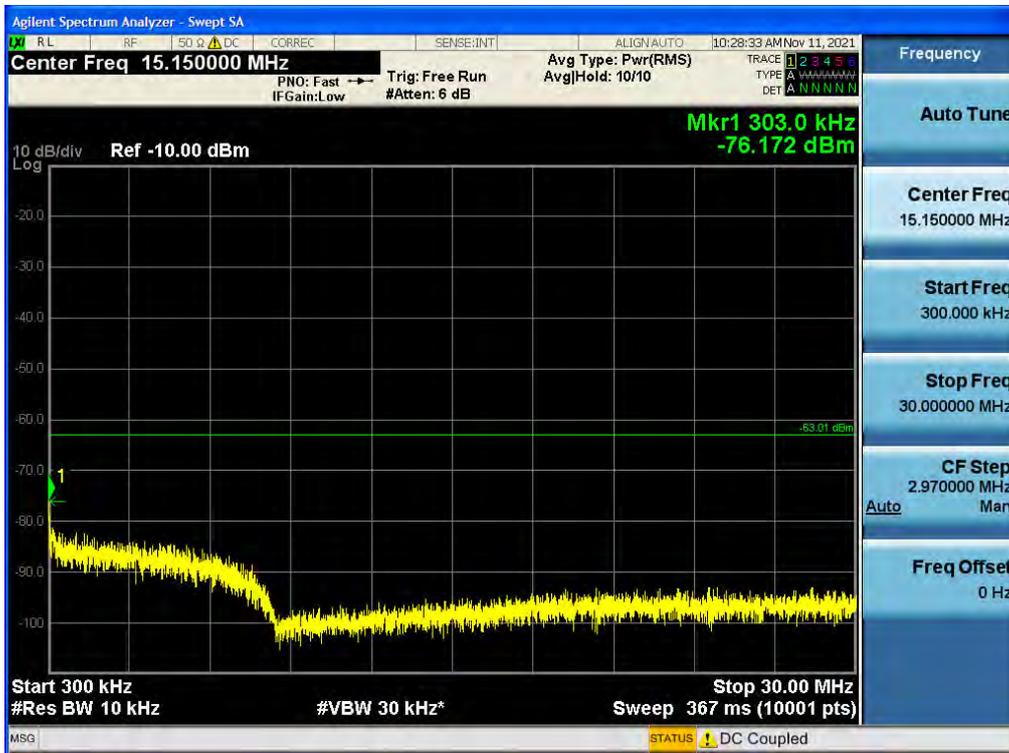
Antenna 1 / 18 GHz ~ 40 GHz / CBRS LTE 20 MHz 1 Carrier / 1024QAM / Low



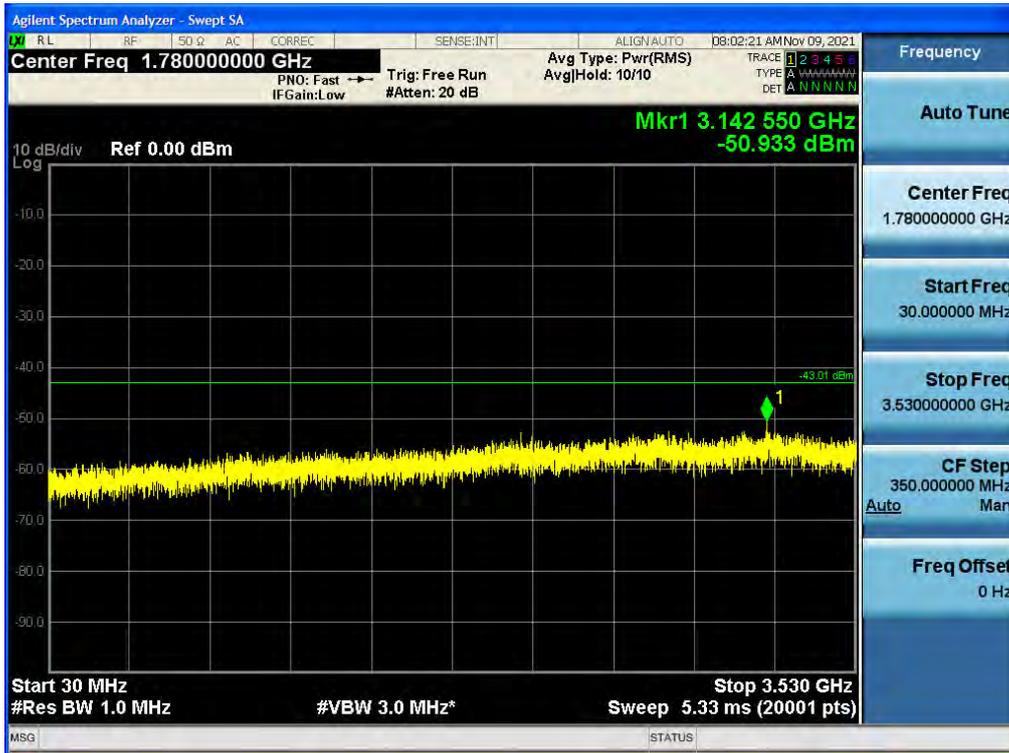
Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 10 MHz 1 Carrier / 16QAM / Middle



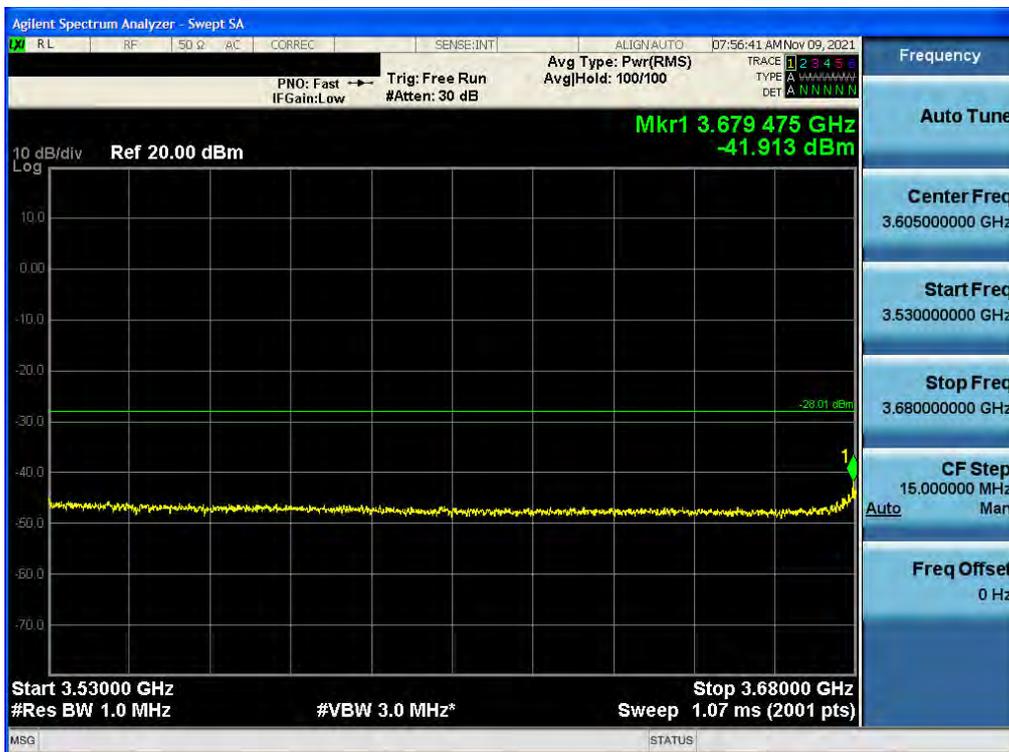
Antenna 1 / 300 kHz ~ 30 MHz / CBRS NR 10 MHz 1 Carrier / 64QAM / Low



Antenna 0 / 30 MHz ~ 3530 MHz / CBRS NR 10 MHz 1 Carrier / 16QAM / Low



Antenna 0 / 3530 MHz ~ Low Edge - 10 MHz / CBRS NR 10 MHz 1 Carrier / QPSK / High



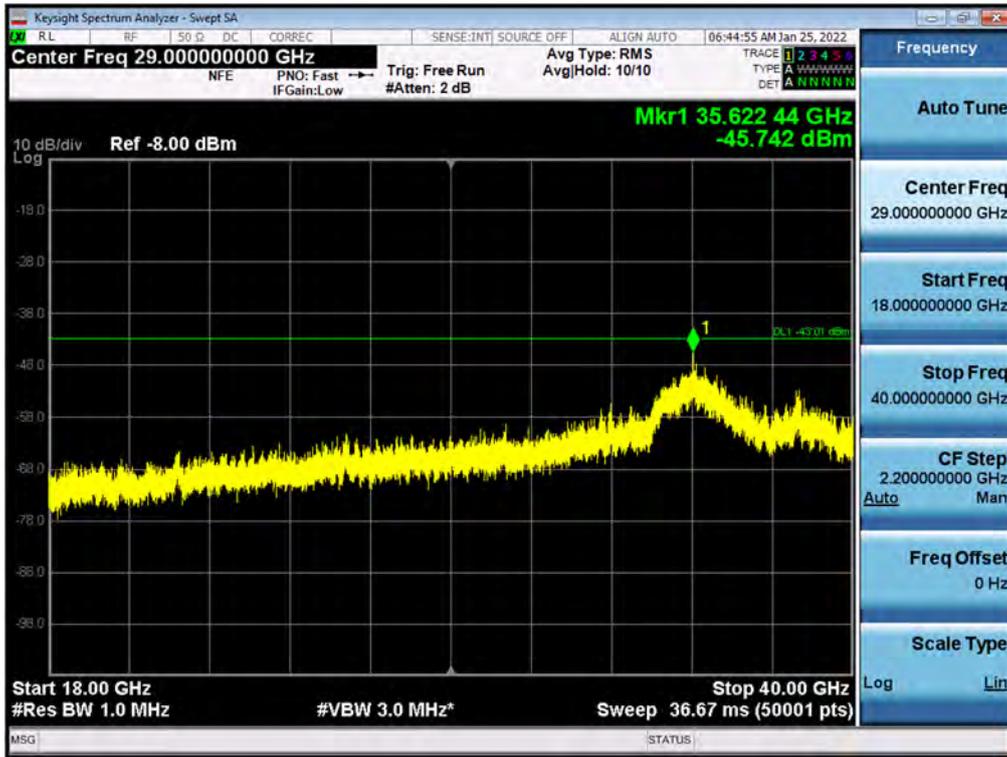
Antenna 0 / High Edge + 10 MHz ~ 3720 MHz / CBRS NR 10 MHz 1 Carrier / QPSK / High



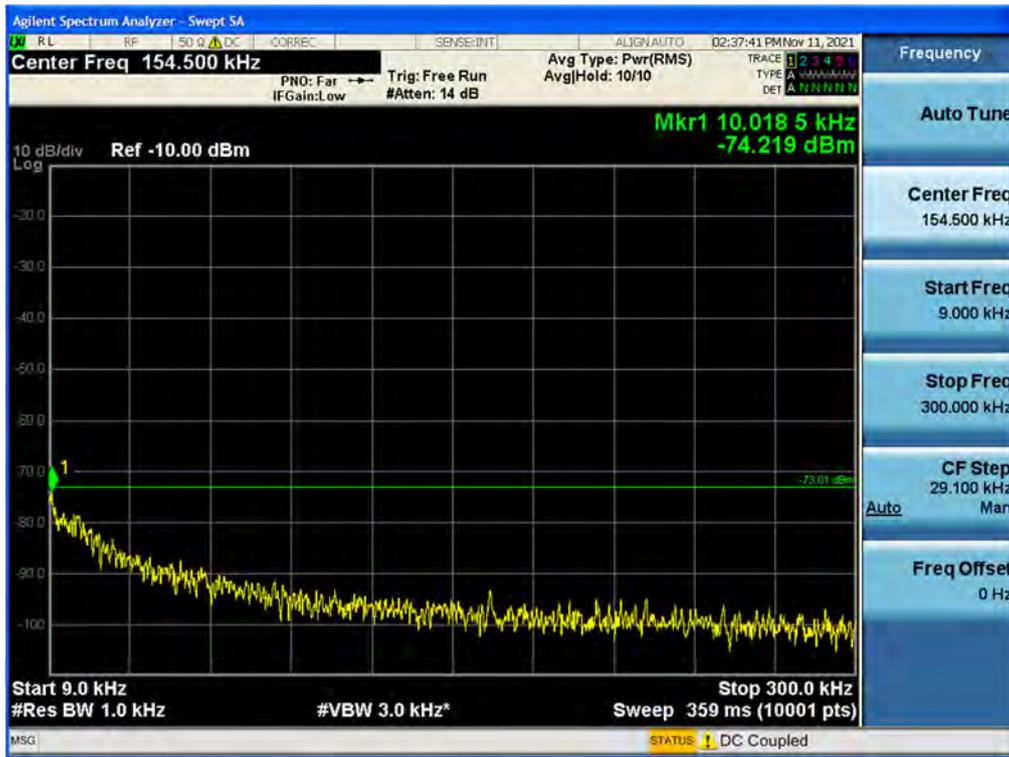
Antenna 1 / 3720 MHz ~ 18 GHz / CBRS NR 10 MHz 1 Carrier / 64QAM / Low



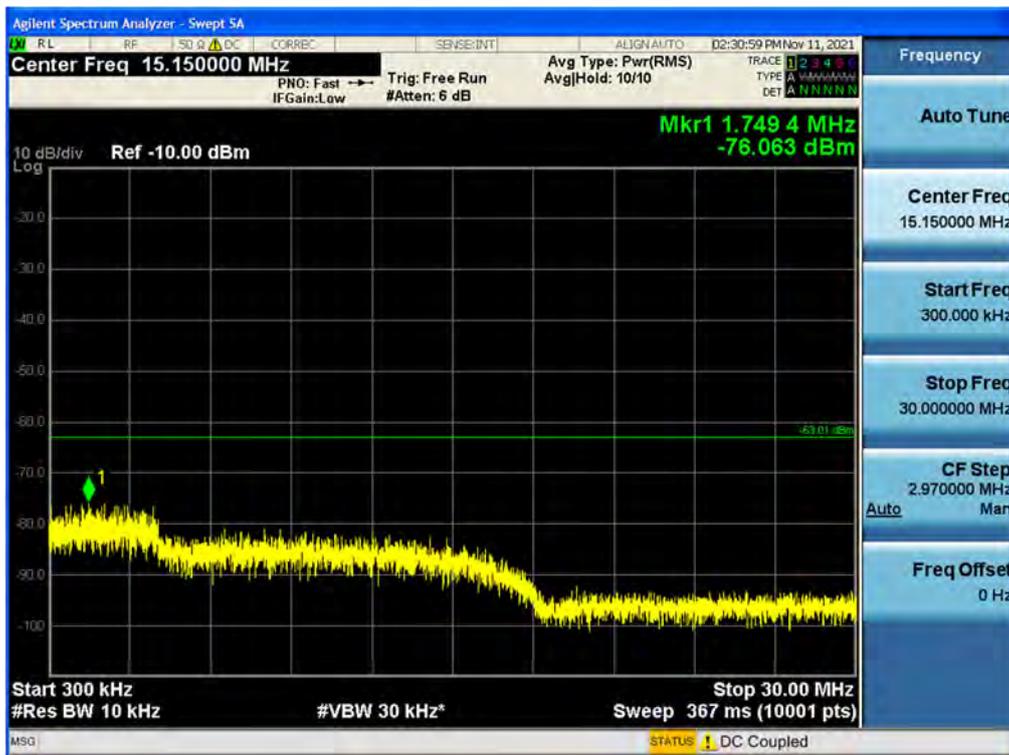
Antenna 1 / 18 GHz ~ 40 GHz / CBRS NR 10 MHz 1 Carrier / 64QAM / High



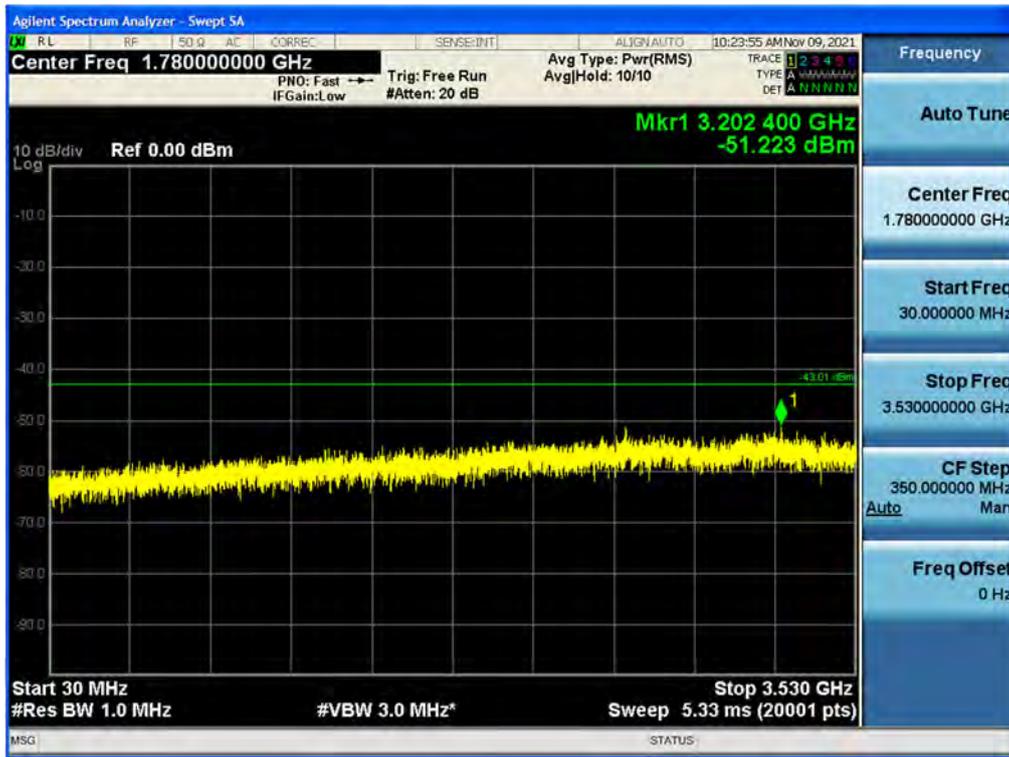
Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 20 MHz 1 Carrier / 256QAM / High



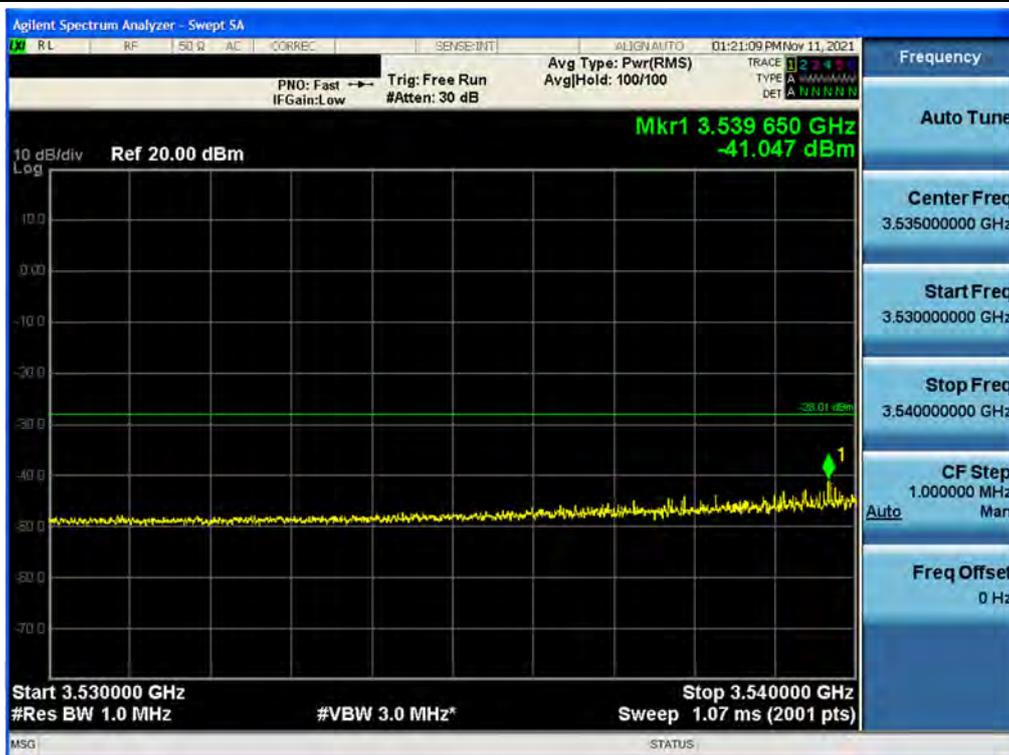
Antenna 1 / 300 kHz ~ 30 MHz / CBRS NR 20 MHz 1 Carrier / 256QAM / Low



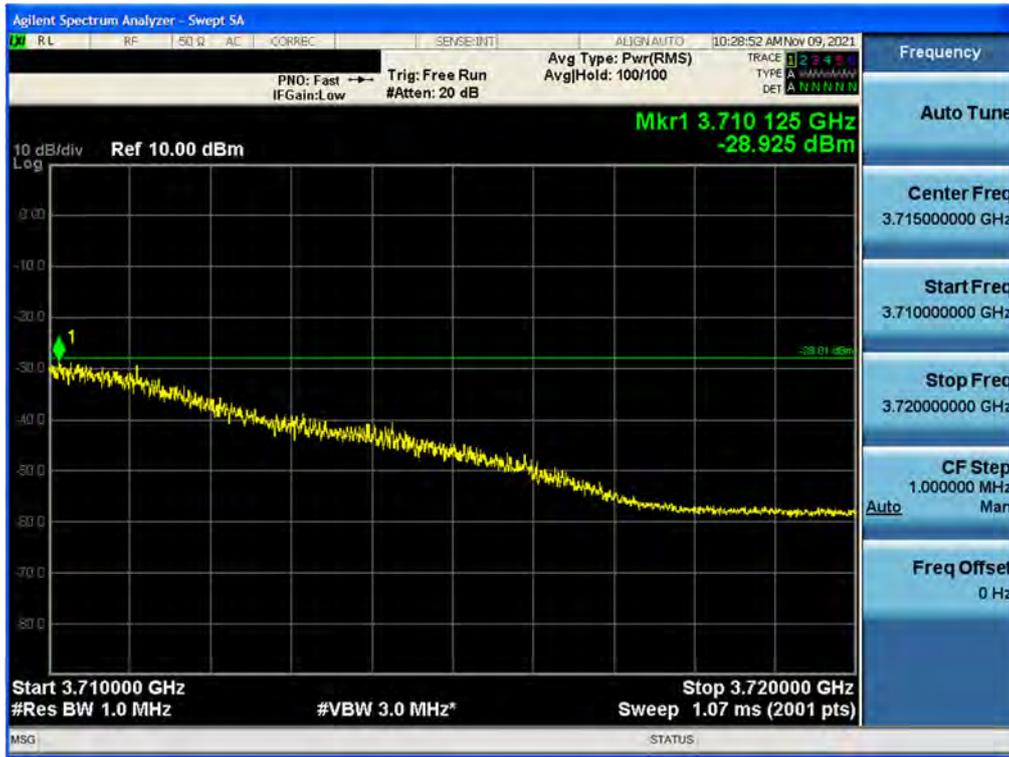
Antenna 0 / 30 MHz ~ 3530 MHz / CBRS NR 20 MHz 1 Carrier / QPSK / Middle



Antenna 1 / 3530 MHz ~ Low Edge - 10 MHz / CBRS NR 20 MHz 1 Carrier / QPSK / Low



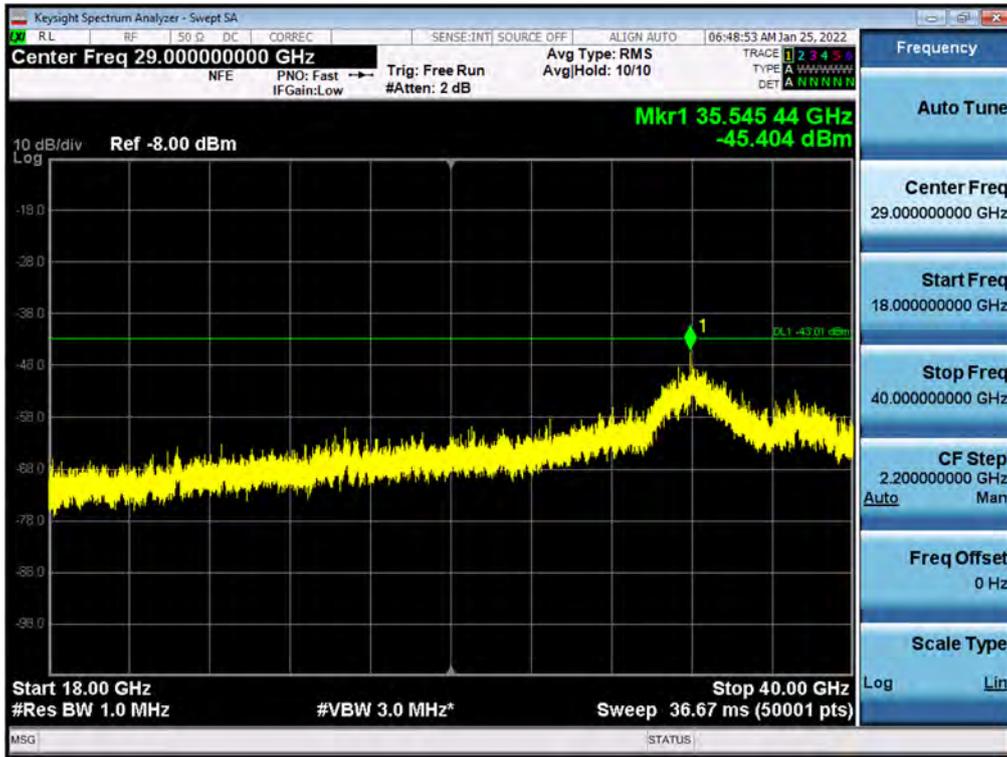
Antenna 0 / High Edge + 10 MHz ~ 3720 MHz / CBRS NR 20 MHz 1 Carrier / QPSK / High



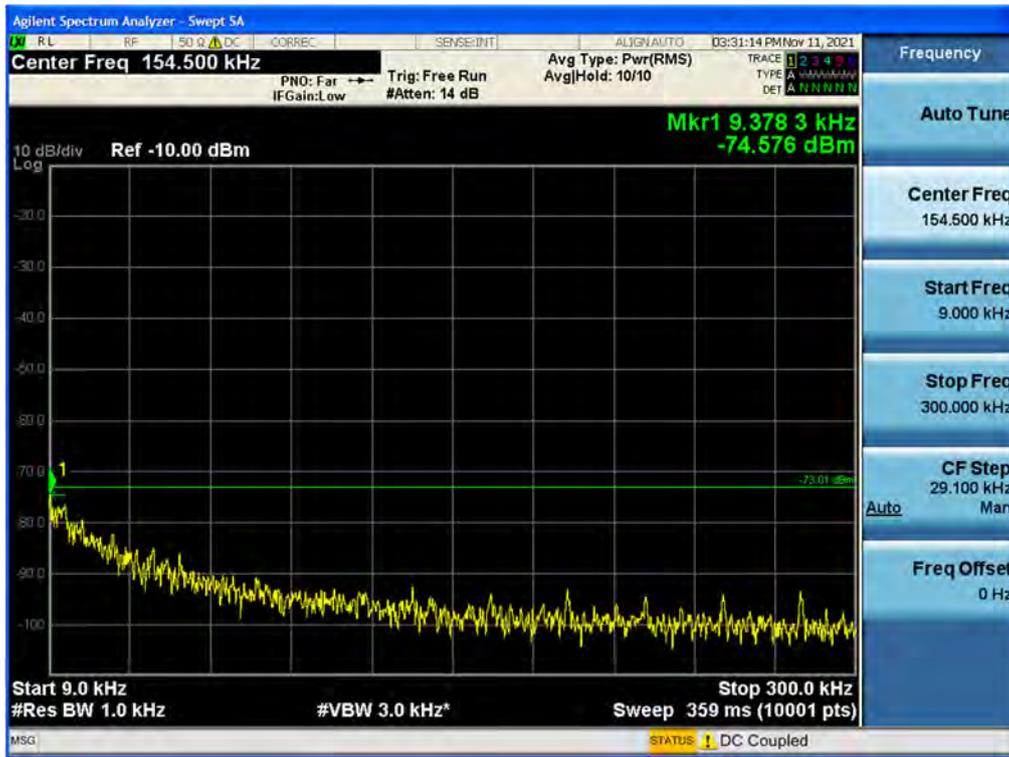
Antenna 1 / 3720 MHz ~ 18 GHz / CBRS NR 20 MHz 1 Carrier / 64QAM / High



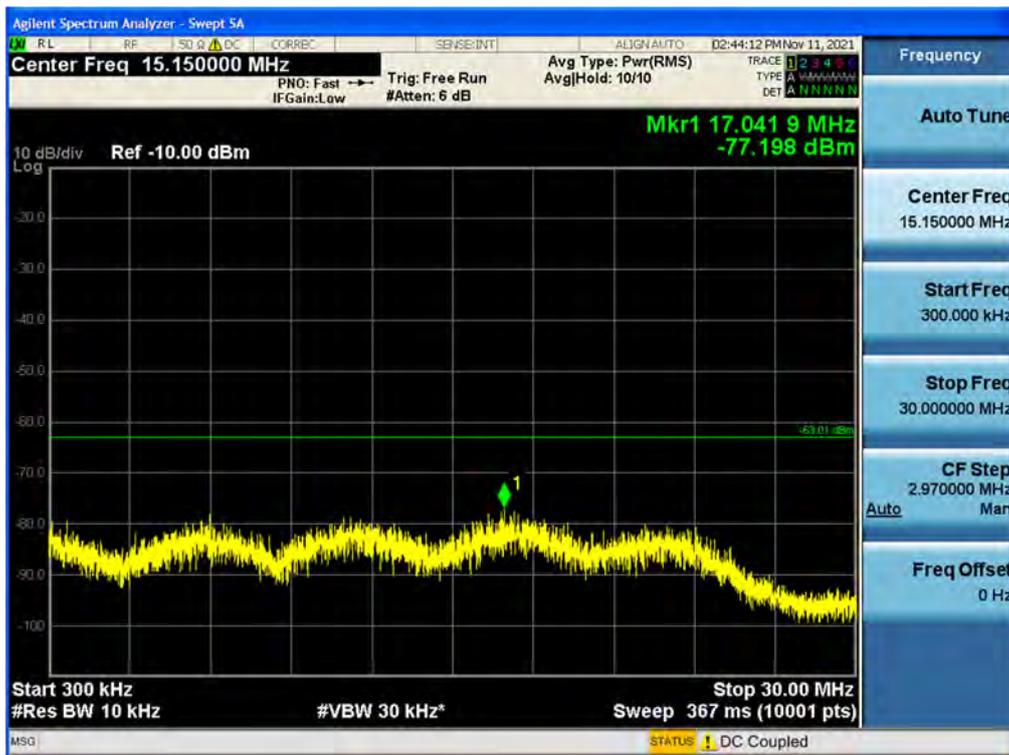
Antenna 1 / 18 GHz ~ 40 GHz / CBRs NR 20 MHz 1 Carrier / 16QAM / Middle



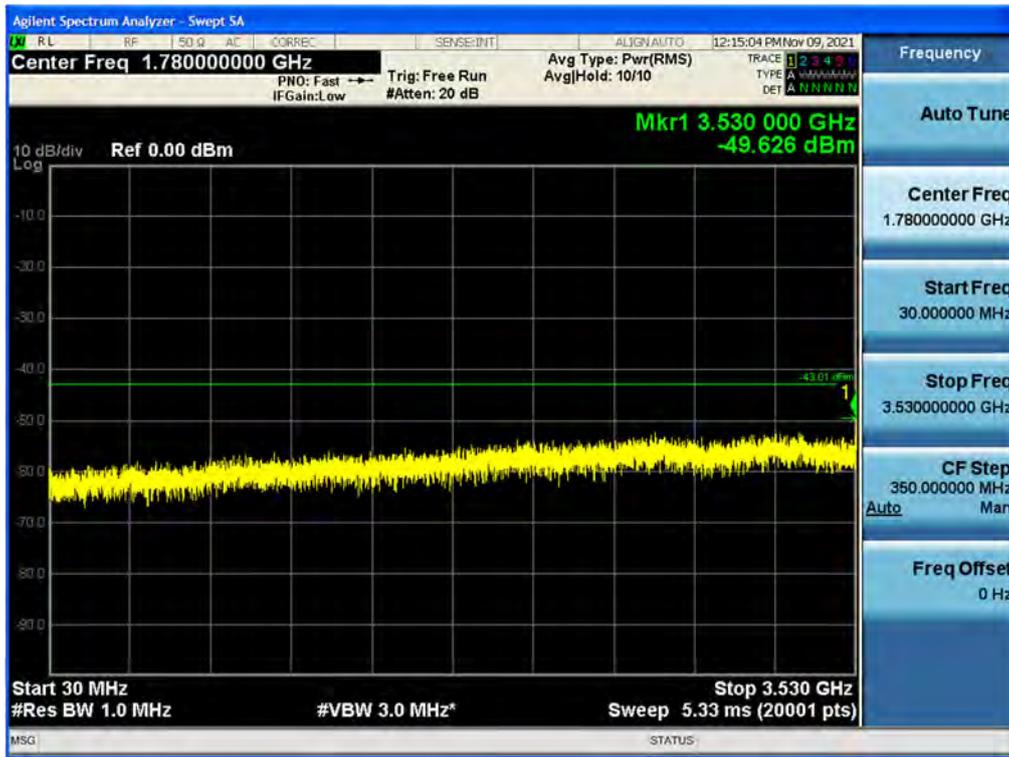
Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 30 MHz 1 Carrier / 64QAM / High



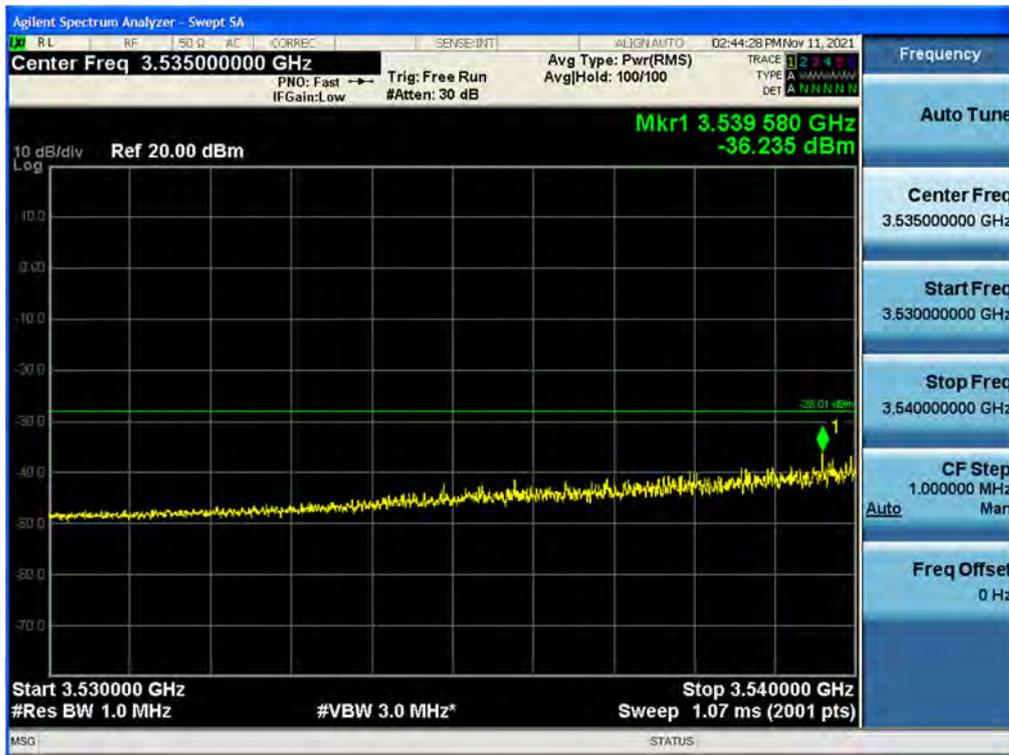
Antenna 1 / 300 kHz ~ 30 MHz / CBRS NR 30 MHz 1 Carrier / QPSK / Low



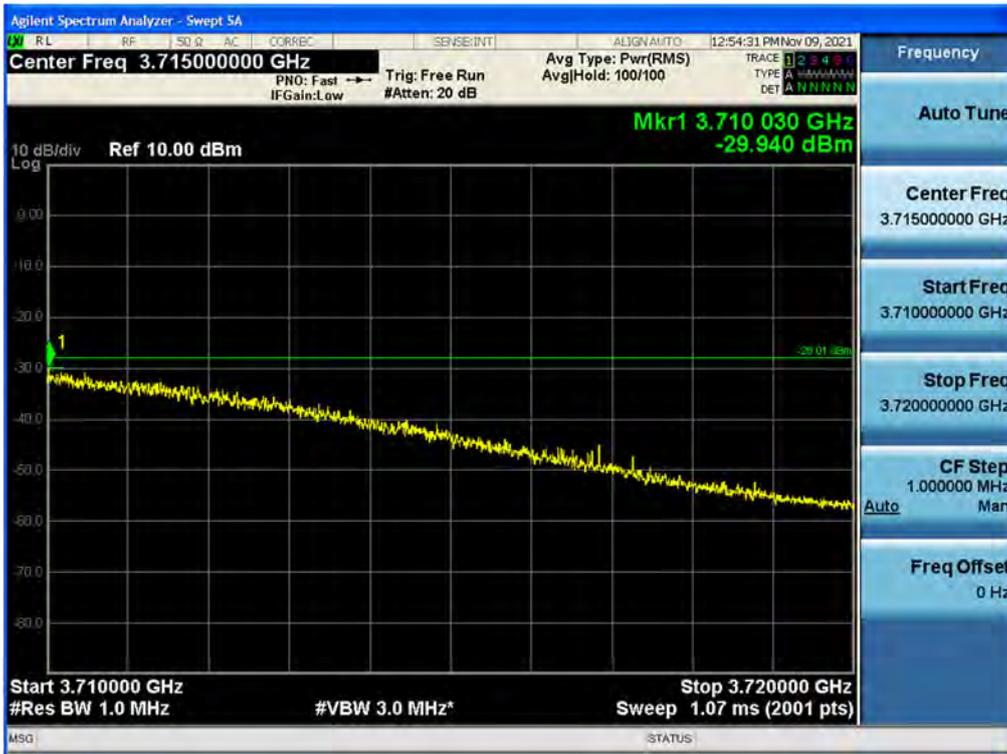
Antenna 0 / 30 MHz ~ 3530 MHz / CBRS NR 30 MHz 1 Carrier / QPSK / Low



Antenna 1 / 3530 MHz ~ Low Edge - 10 MHz / CBRS NR 30 MHz 1 Carrier / QPSK / Low



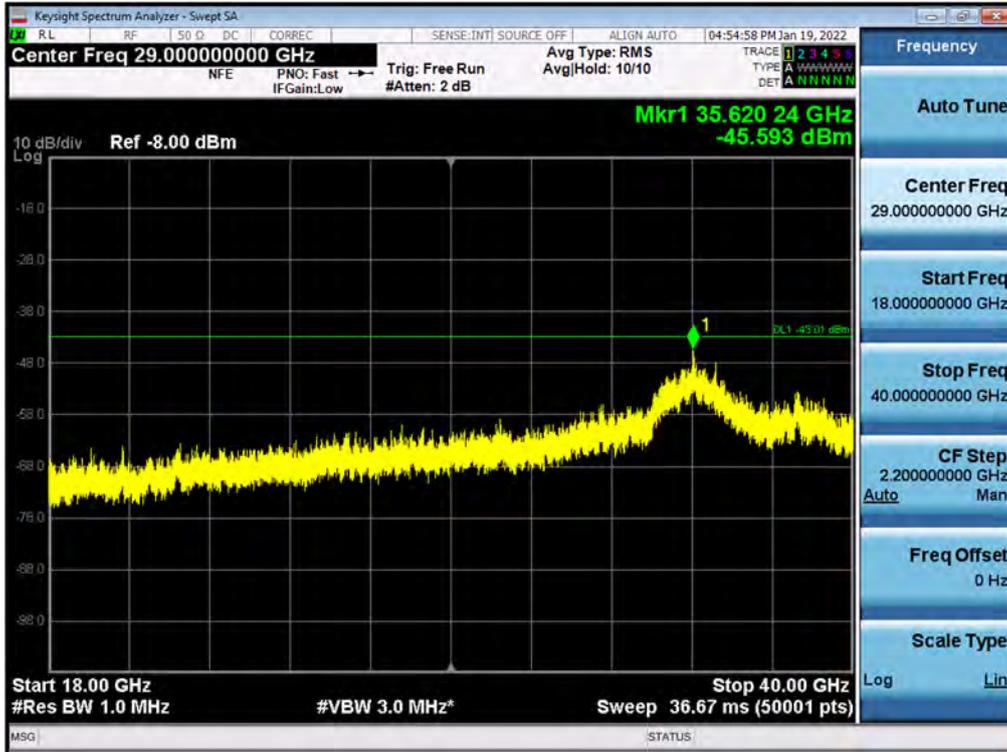
Antenna 0 / High Edge + 10 MHz ~ 3720 MHz / CBRS NR 30 MHz 1 Carrier / 16QAM / High



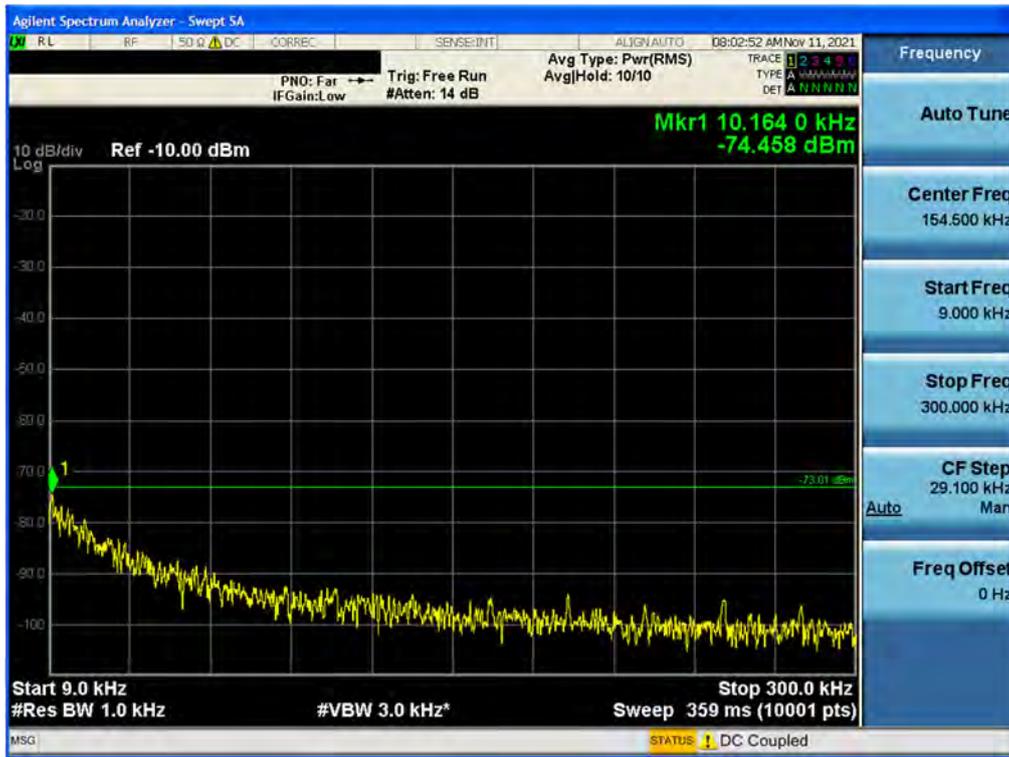
Antenna 1 / 3720 MHz ~ 18 GHz / CBRS NR 30 MHz 1 Carrier / 64QAM / Low



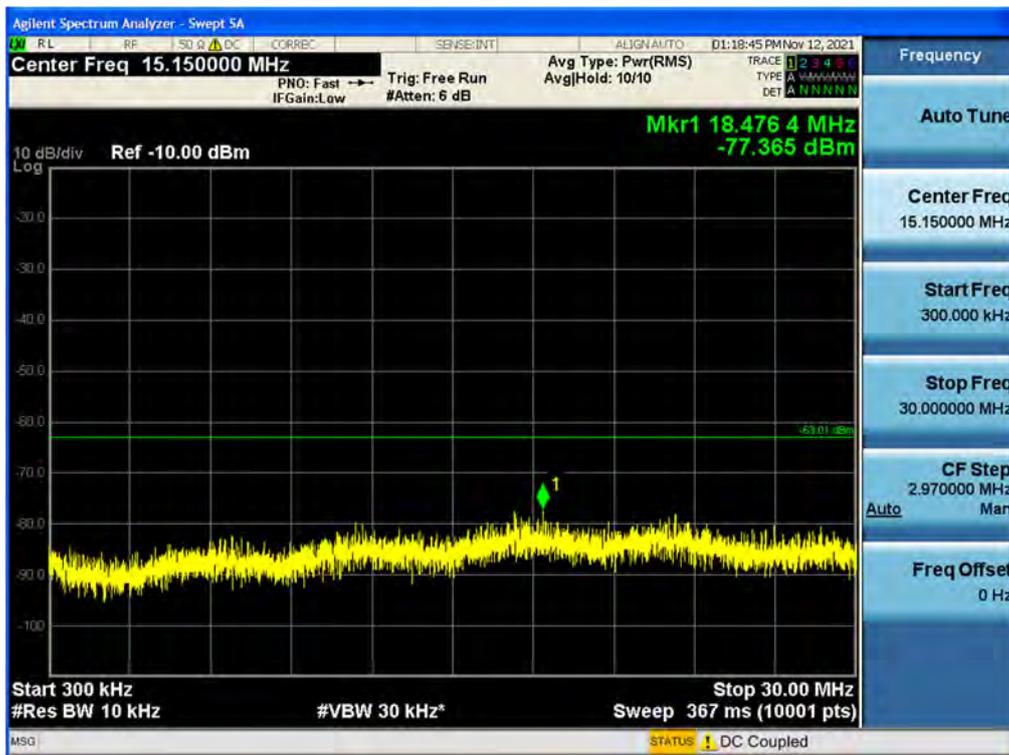
Antenna 0 / 18 GHz ~ 40 GHz / CBRS NR 30 MHz 1 Carrier / 64QAM / High



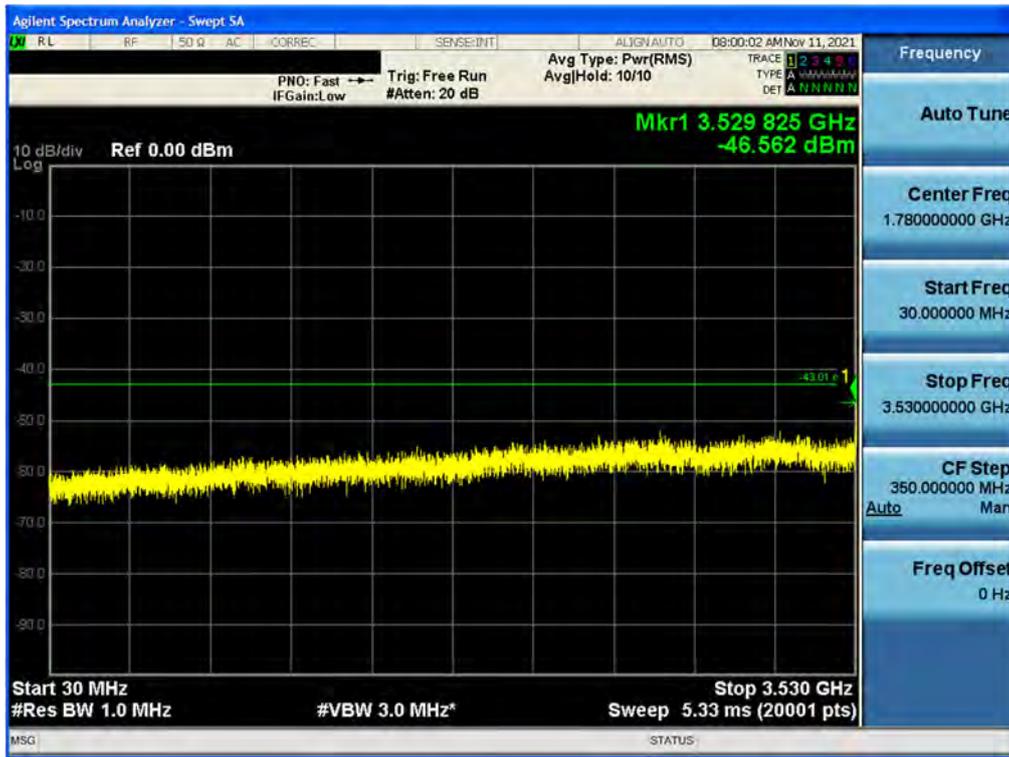
Antenna 0 / 9 kHz ~ 300 kHz / CBRS NR 40 MHz 1 Carrier / 64QAM / Middle



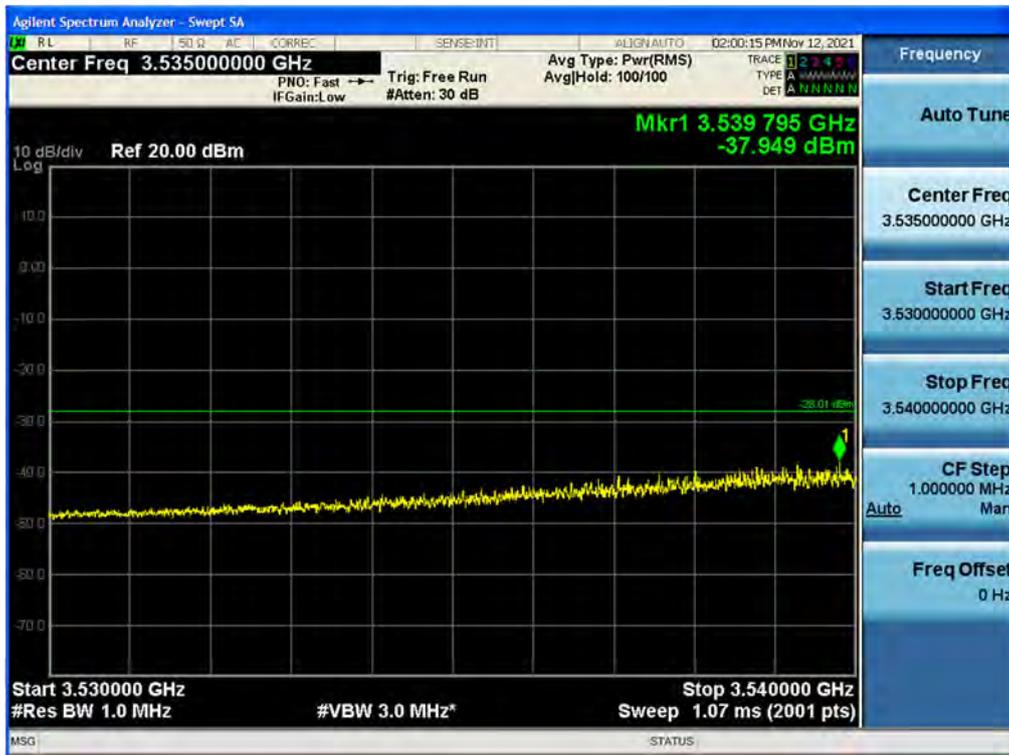
Antenna 1 / 300 kHz ~ 30 MHz / CBRS NR 40 MHz 1 Carrier / 16QAM / Low



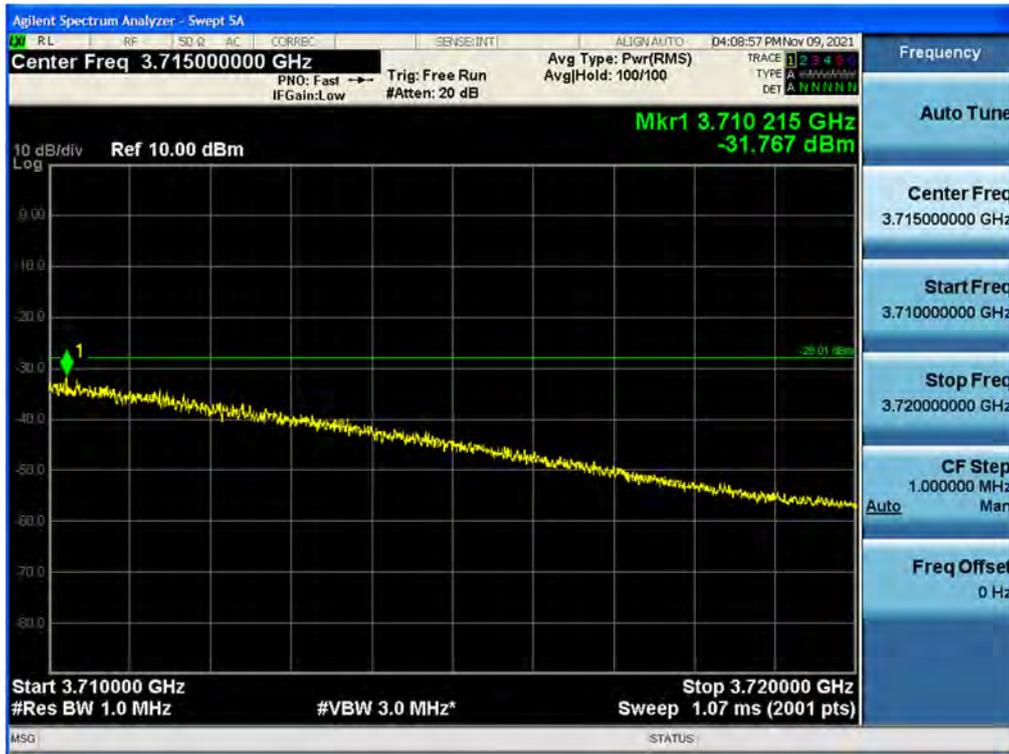
Antenna 0 / 30 MHz ~ 3530 MHz / CBRS NR 40 MHz 1 Carrier / 64QAM / Low



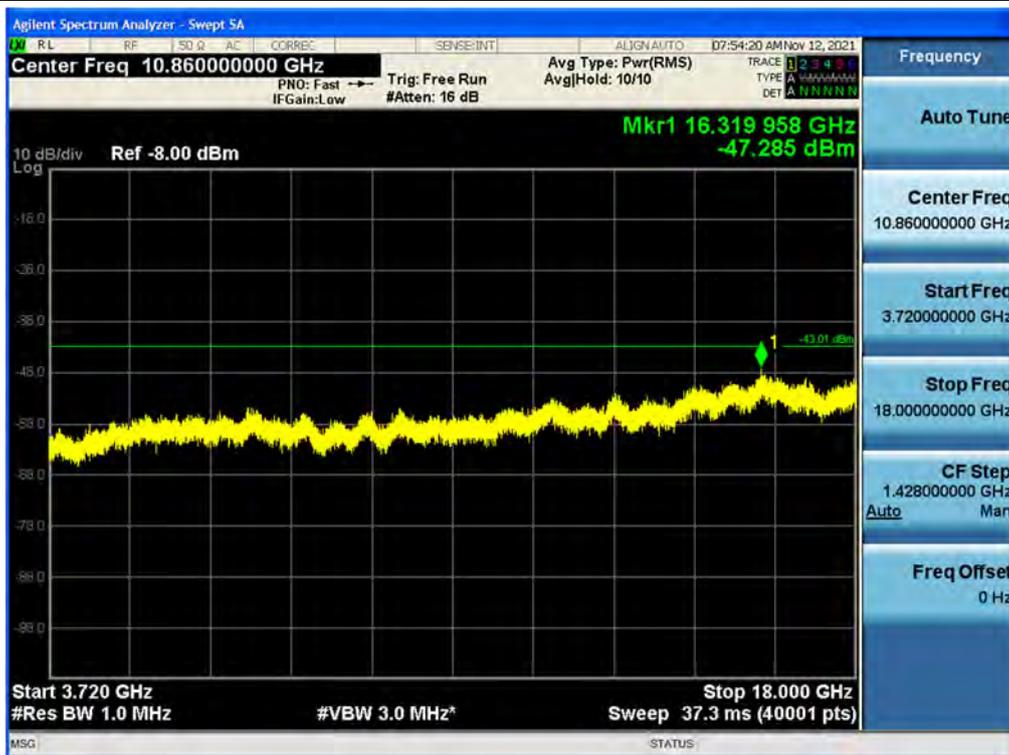
Antenna 1 / 3530 MHz ~ Low Edge - 10 MHz / CBRS NR 40 MHz 1 Carrier / 64QAM / Low



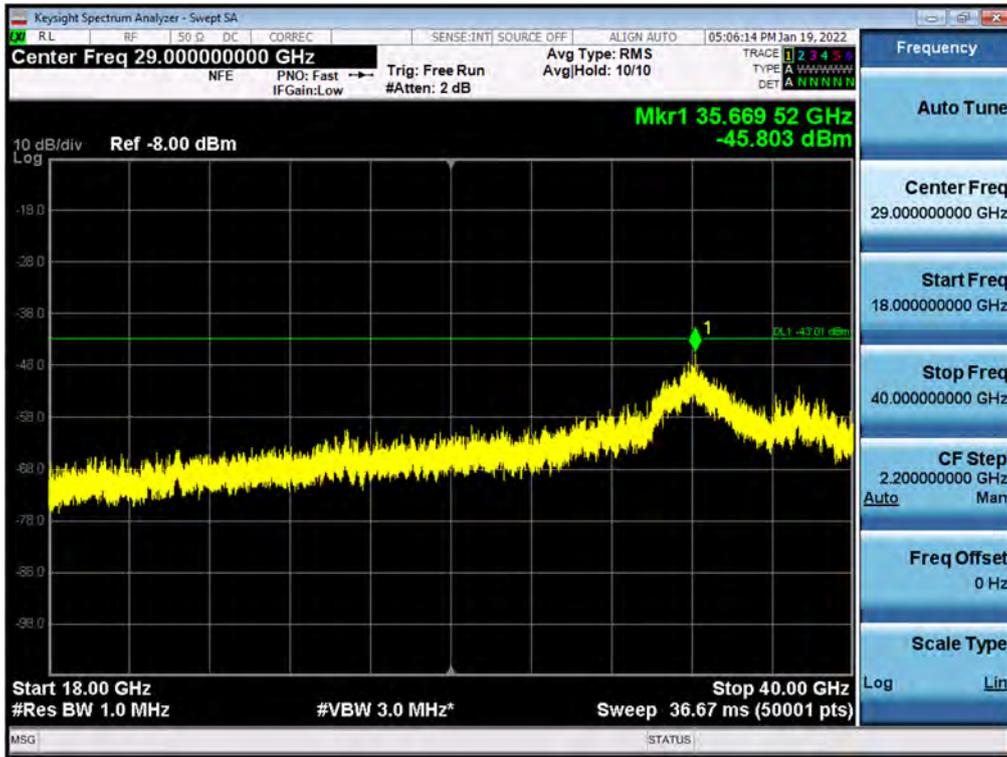
Antenna 0 / High Edge + 10 MHz ~ 3720 MHz / CBRS NR 40 MHz 1 Carrier / 16QAM / High



Antenna 1 / 3720 MHz ~ 18 GHz / CBRS NR 40 MHz 1 Carrier / QPSK / Middle



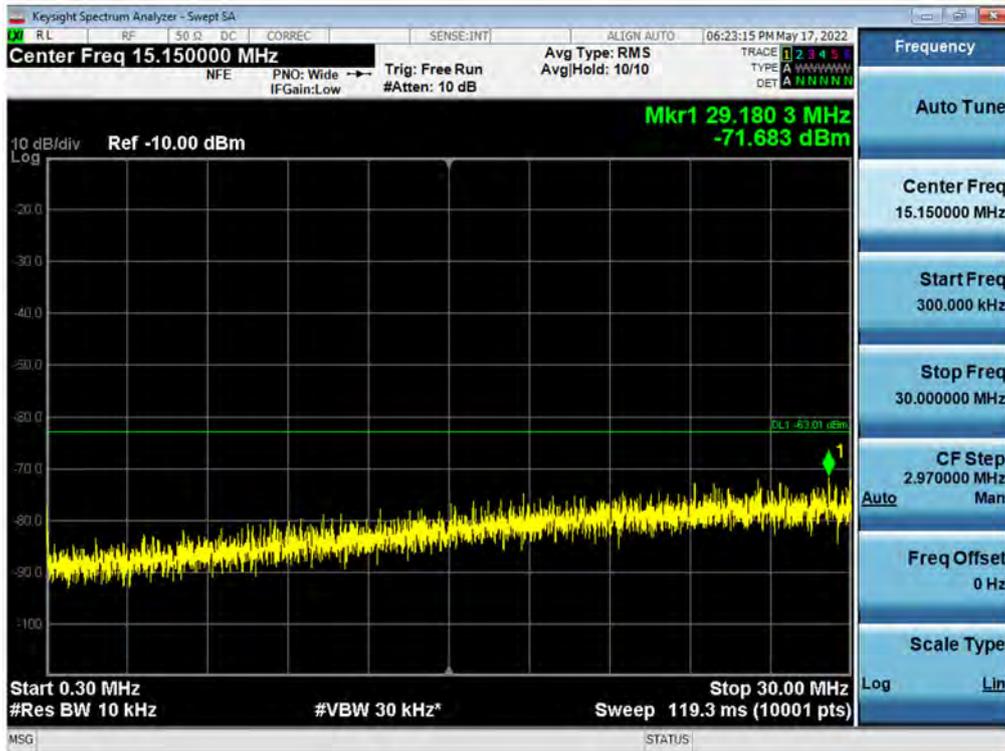
Antenna 1 / 18 GHz ~ 40 GHz / CBRs NR 40 MHz 1 Carrier / 16QAM / Middle

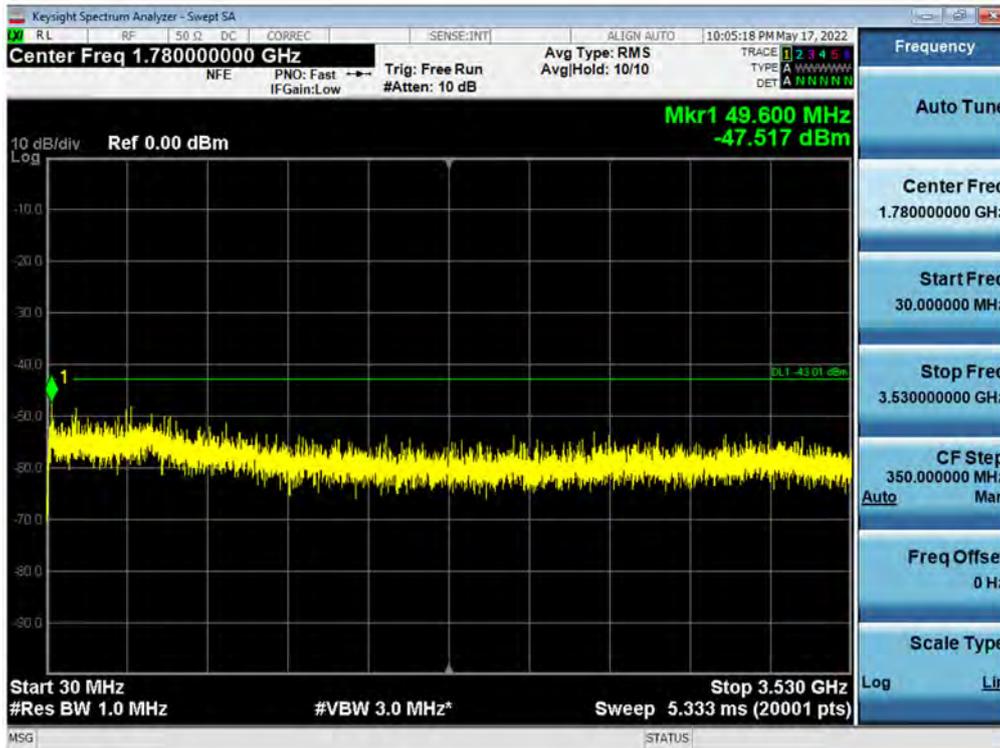
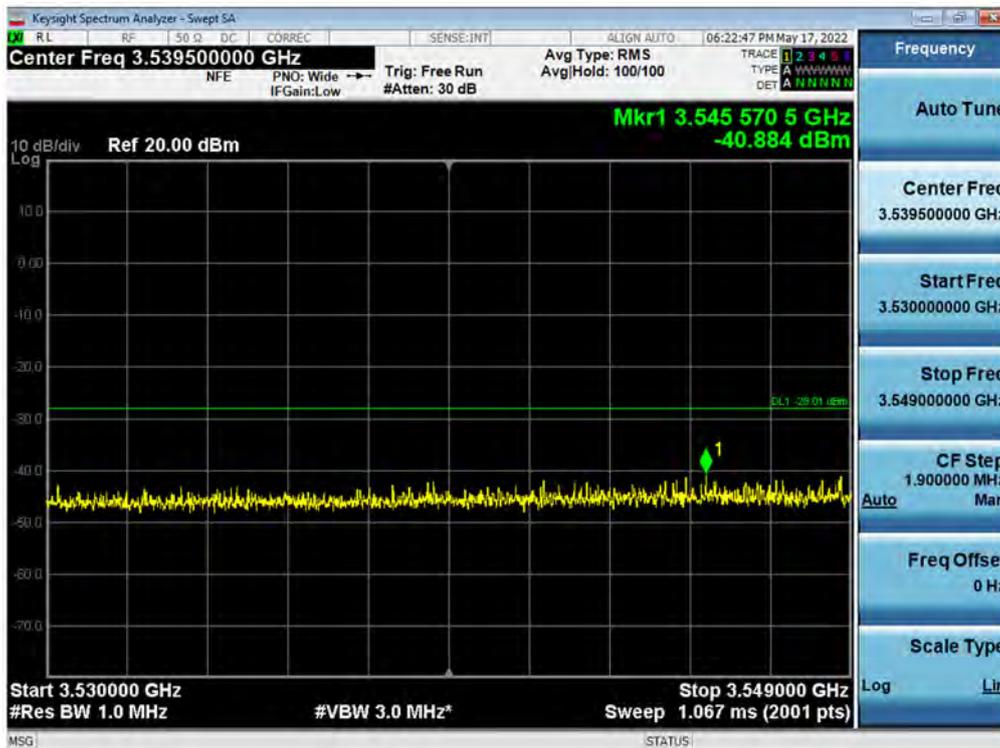


Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 50 MHz 1 Carrier / 16QAM / Low

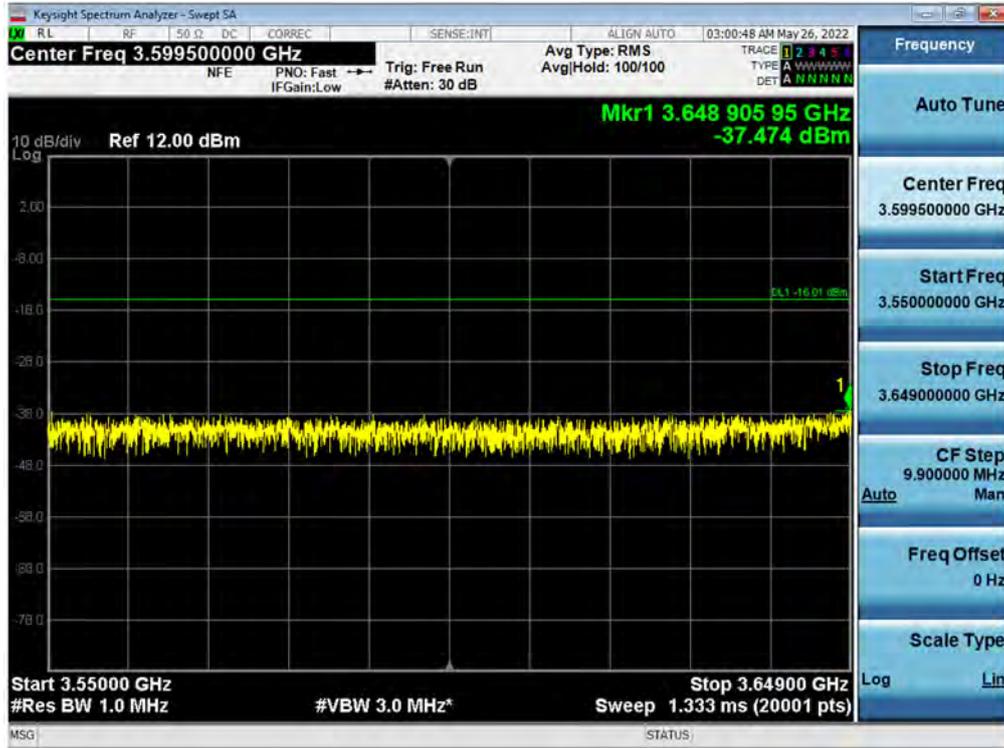


Antenna 0 / 300 kHz ~ 30 MHz / CBRS NR 50 MHz 1 Carrier / 256QAM / Low

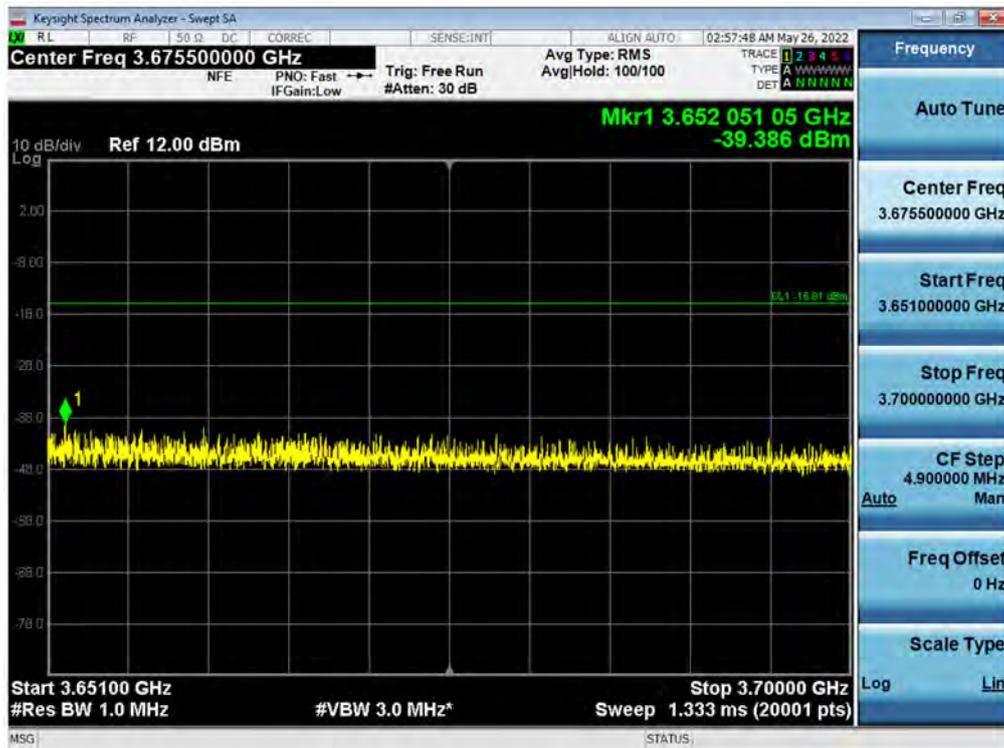


Antenna 1 / 30 MHz ~ 3 530 MHz / CBRS NR 50 MHz 1 Carrier / 64QAM / Middle

Antenna 0 / 3 530 MHz ~ 3 550 MHz / CBRS NR 50 MHz 1 Carrier / 64QAM / Low


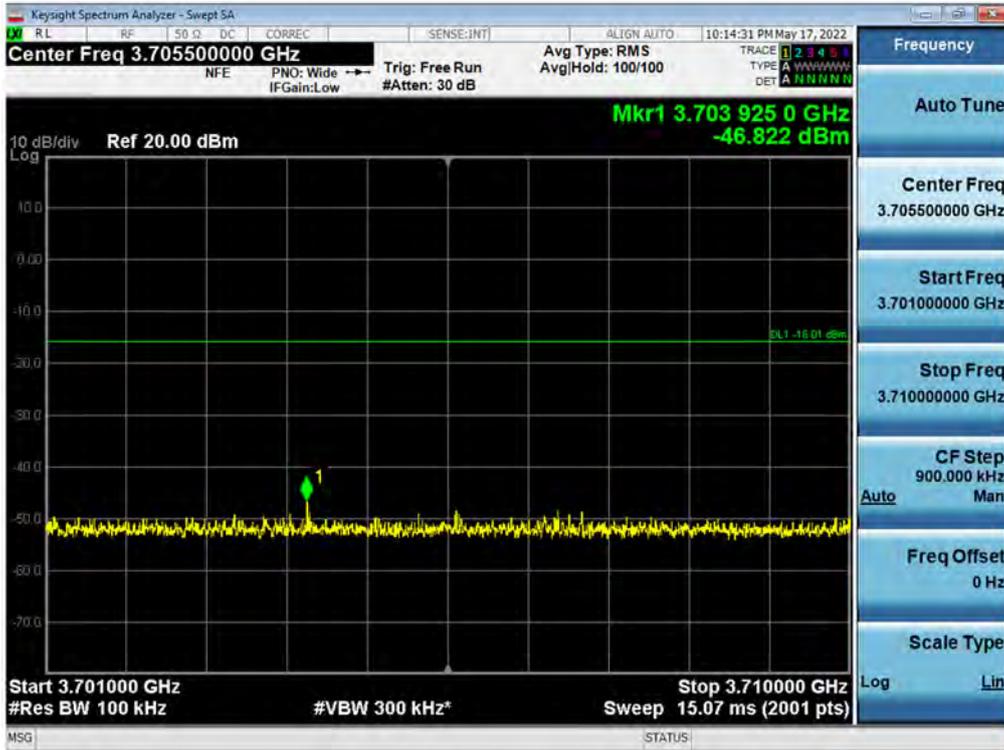
Antenna 0 / 3 550 MHz ~ Low Edge - 1 MHz / CBRS NR 50 MHz 1 Carrier / 256QAM / High



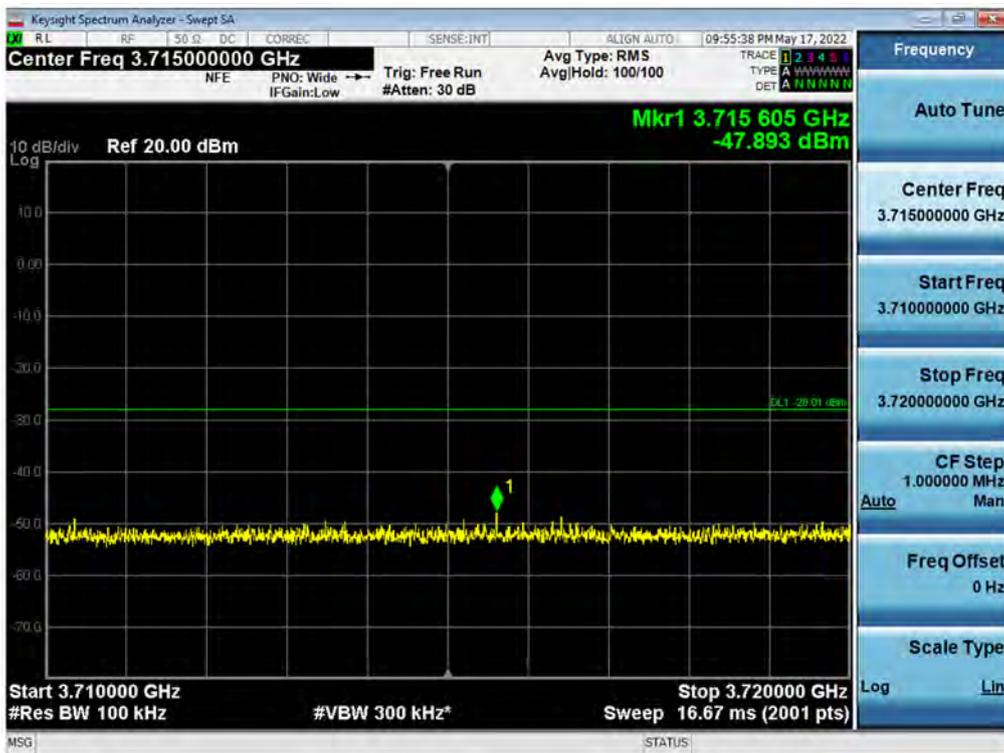
Antenna 1 / High Edge + 1 MHz ~ 3 700 MHz / CBRS NR 50 MHz 1 Carrier / 256QAM / Middle



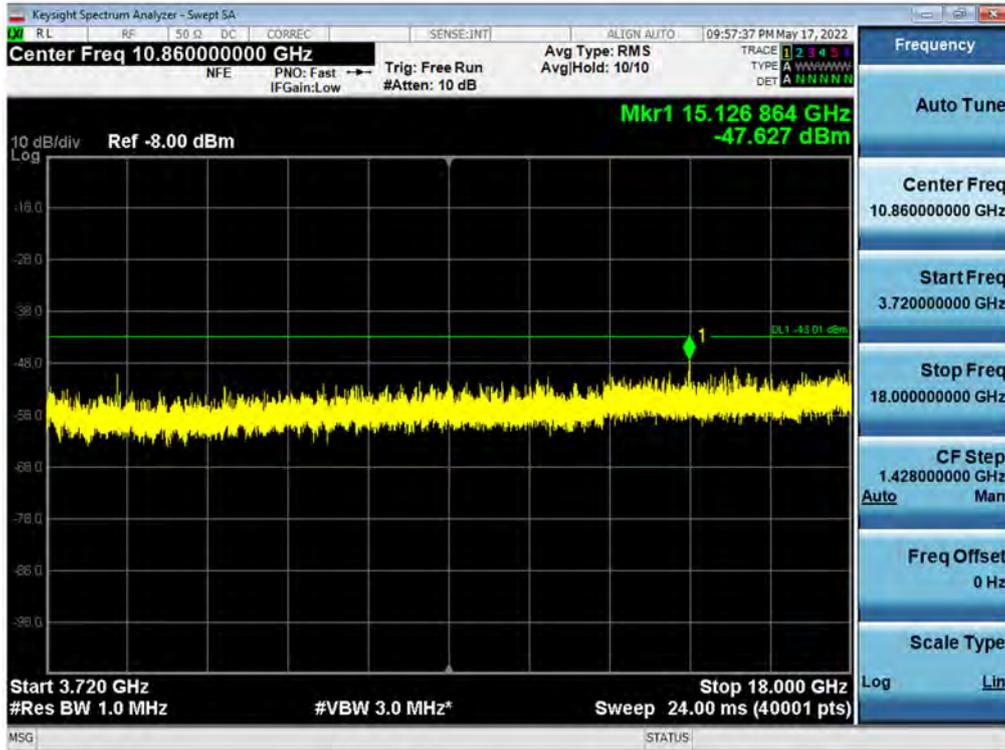
Antenna 0 / 3 700 MHz ~ 3710 MHz / CBRS NR 50 MHz 1 Carrier / 64QAM / High



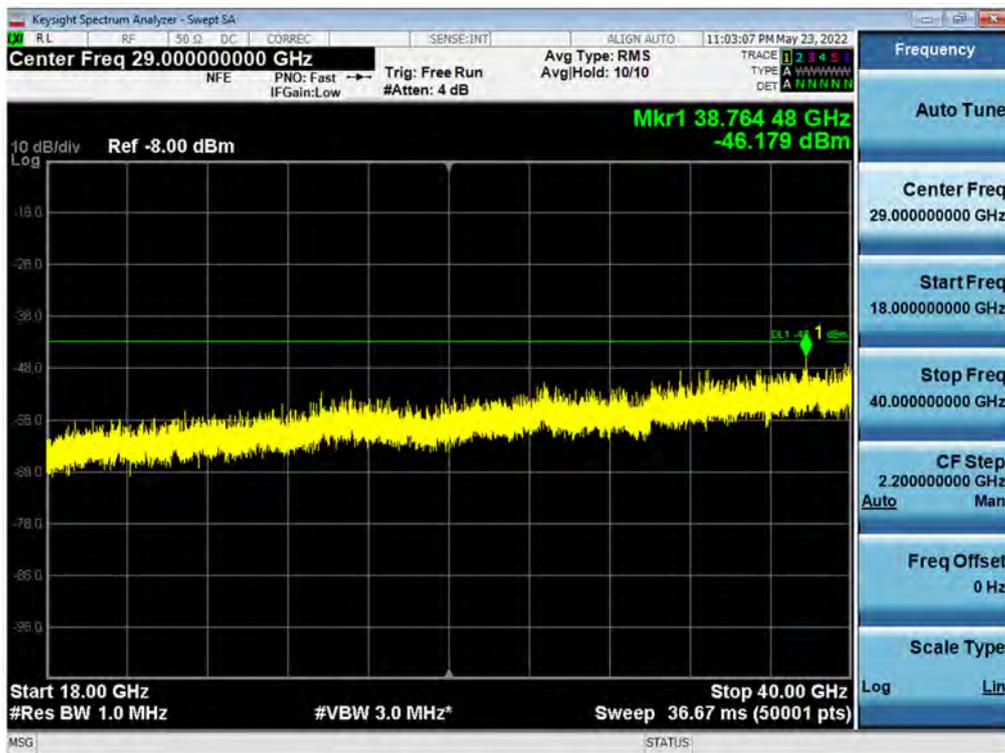
Antenna 0 / 3 710 MHz ~ 3 720 MHz / CBRS NR 50 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / 3 720 MHz ~ 18 GHz / CBRS NR 50 MHz 1 Carrier / 64QAM / Middle



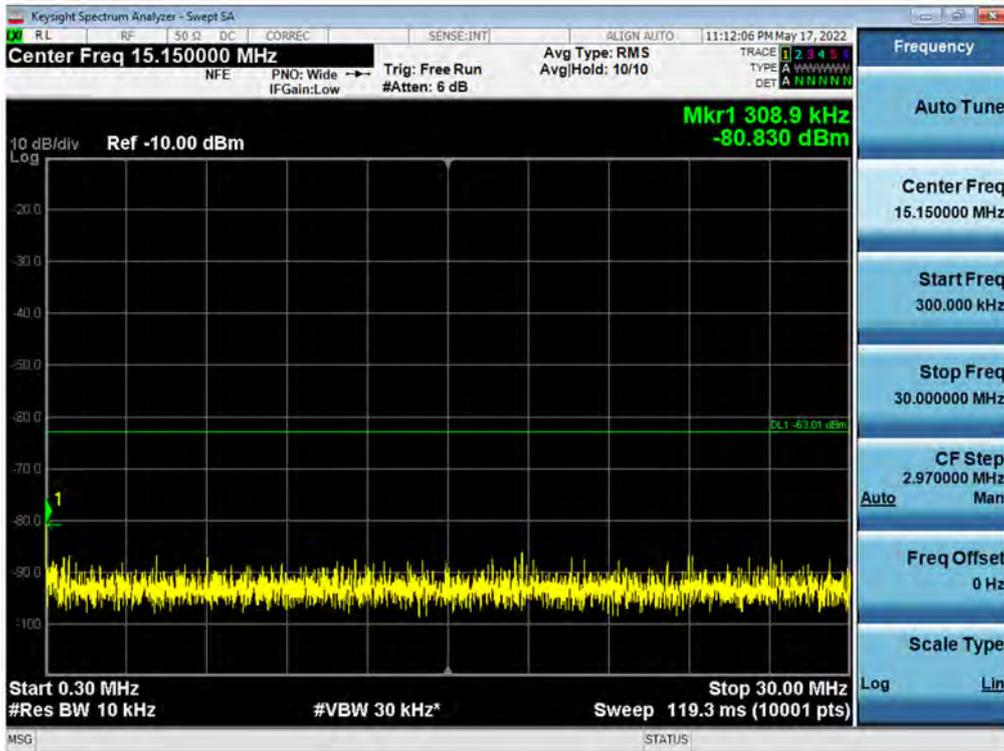
Antenna 0 / 18 GHz ~ 40 GHz / CBRS NR 50 MHz 1 Carrier / 16QAM / Low



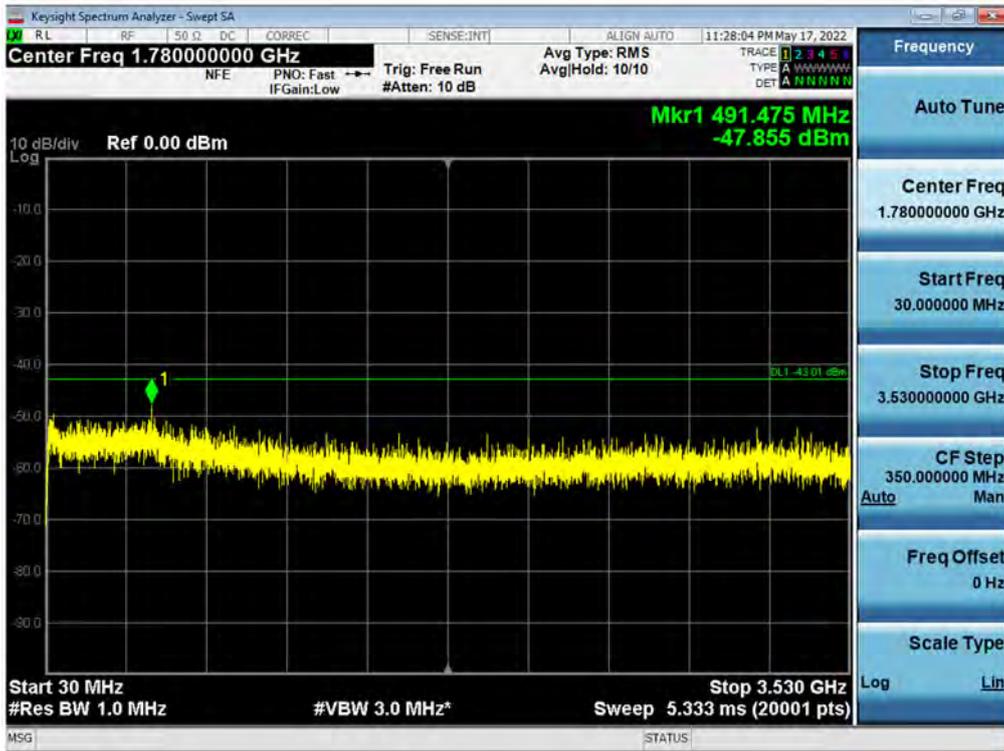
Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 60 MHz 1 Carrier / 256QAM / High



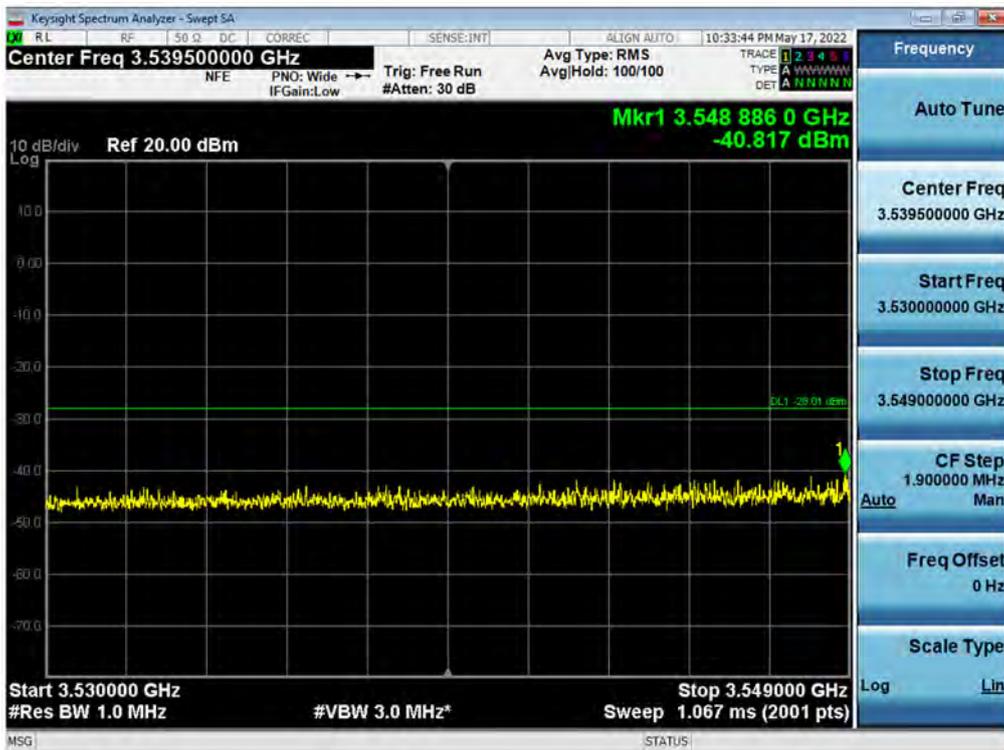
Antenna 1 / 300 kHz ~ 30 MHz / CBRS NR 60 MHz 1 Carrier / 256QAM / Middle



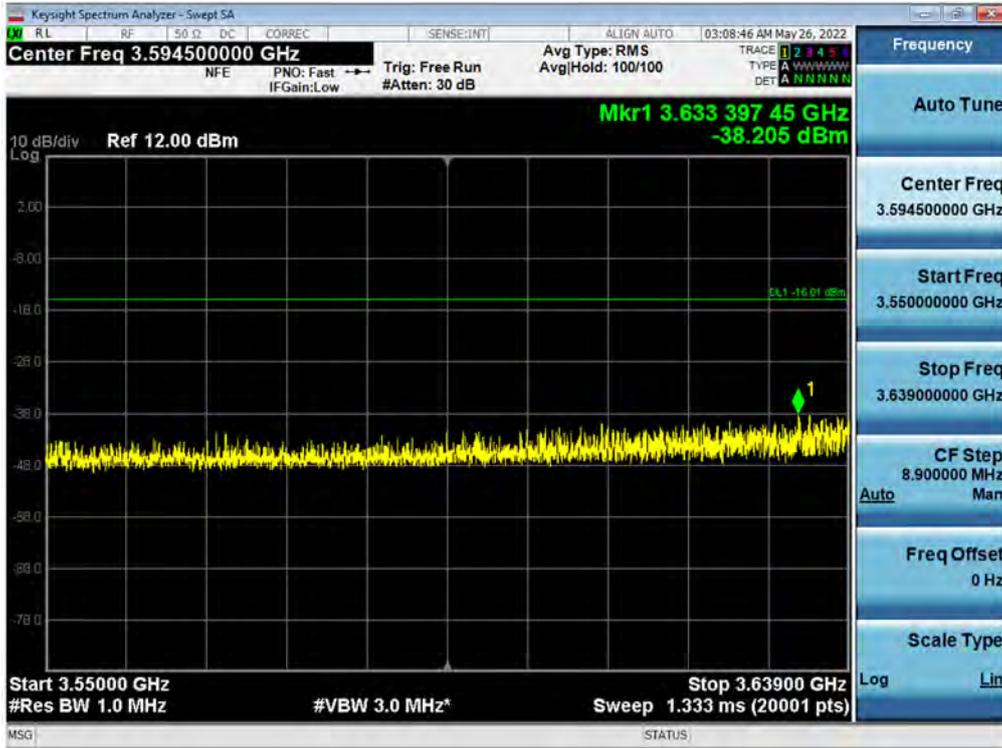
Antenna 1 / 30 MHz ~ 3 530 MHz / CBRS NR 60 MHz 1 Carrier / 256QAM / High



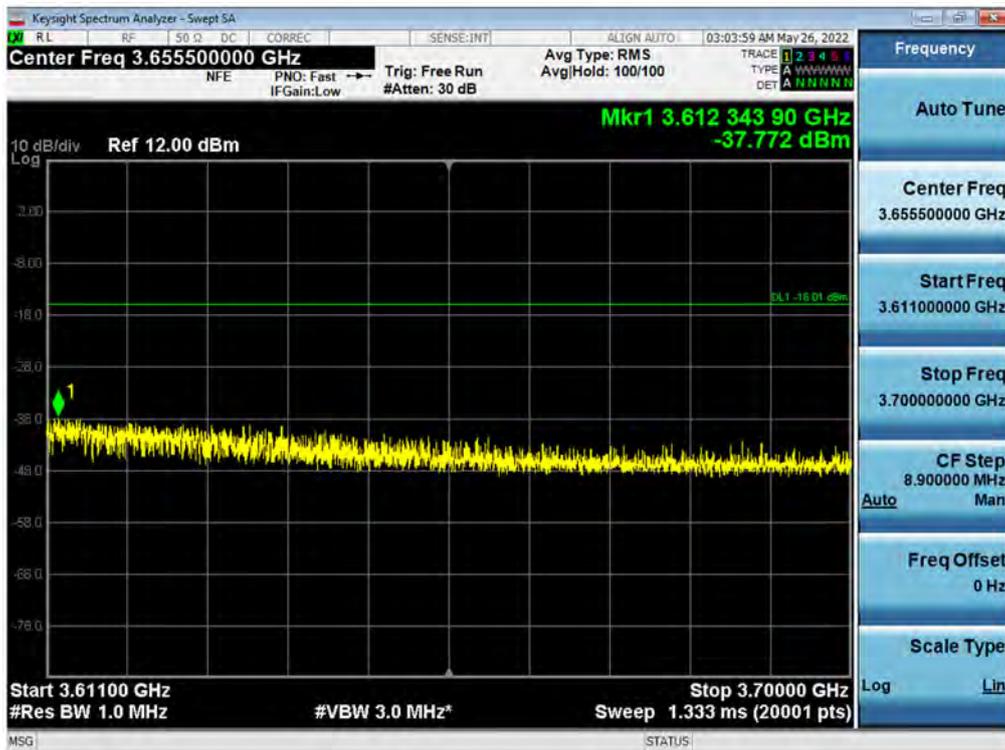
Antenna 0 / 3 530 MHz ~ 3 550 MHz / CBRS NR 60 MHz 1 Carrier / 16QAM / Low



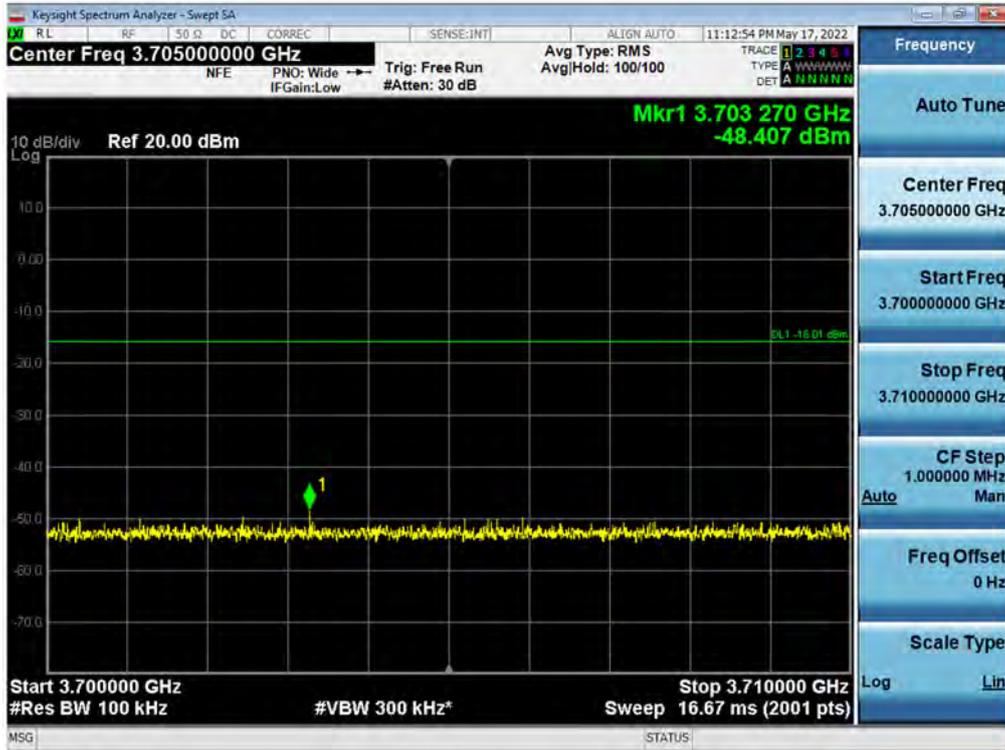
Antenna 0 / 3 550 MHz ~ Low Edge - 1 MHz / CBRS NR 60 MHz 1 Carrier / QPSK / High



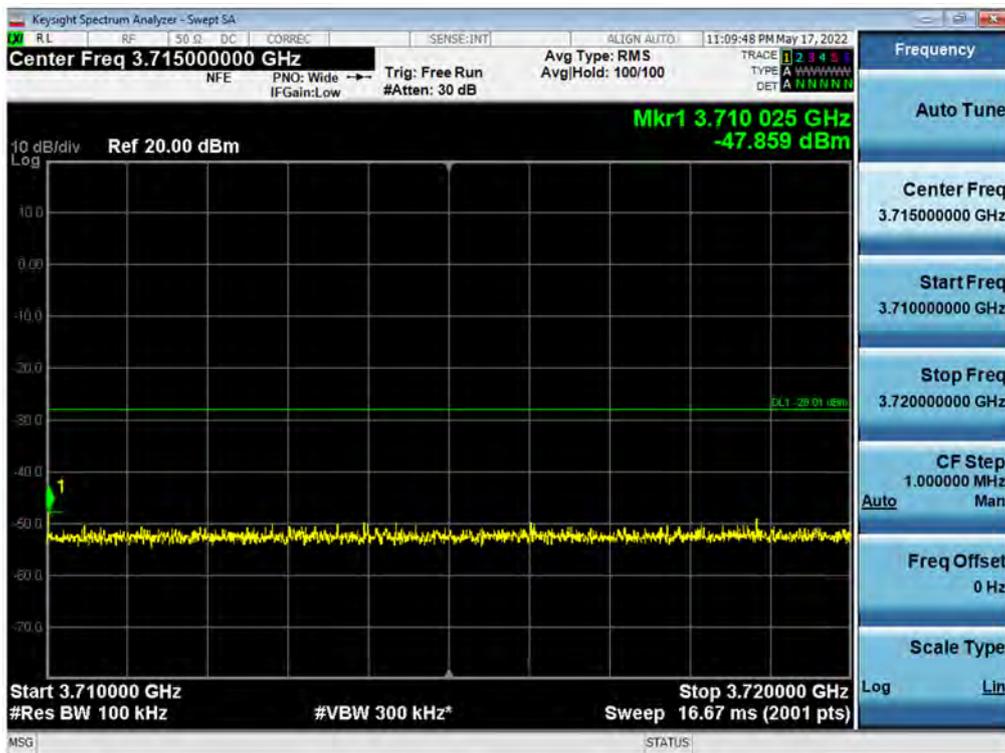
Antenna 0 / High Edge + 1 MHz ~ 3 700 MHz / CBRS NR 60 MHz 1 Carrier / 16QAM / Low



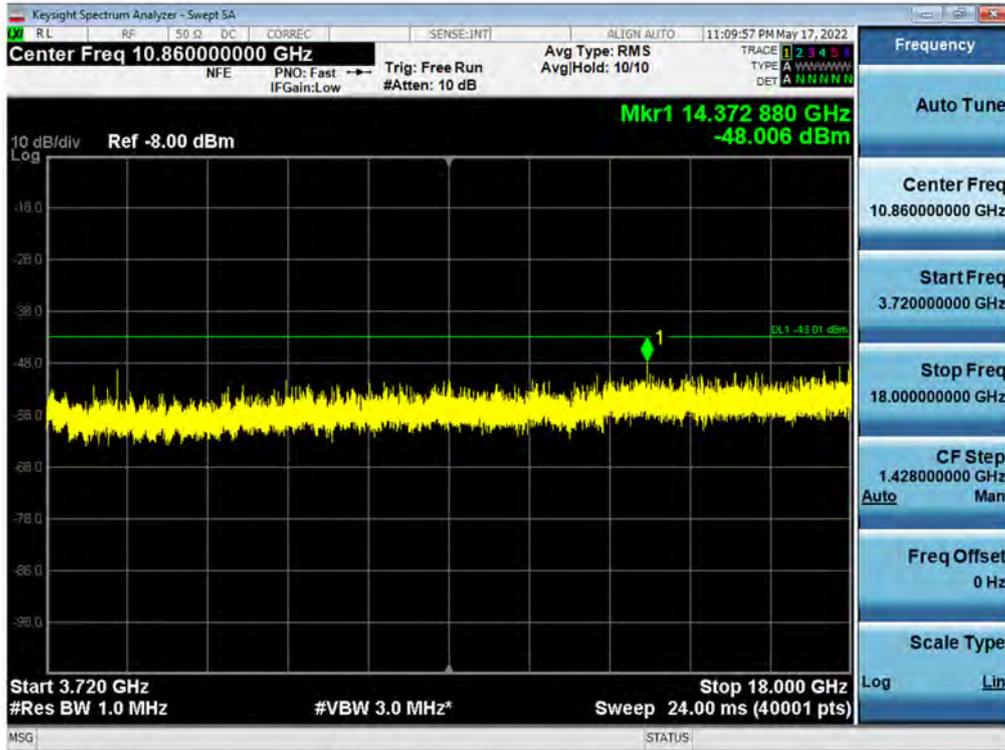
Antenna 1 / 3 700 MHz ~ 3 710 MHz / CBRS NR 60 MHz 1 Carrier / 256QAM / Middle



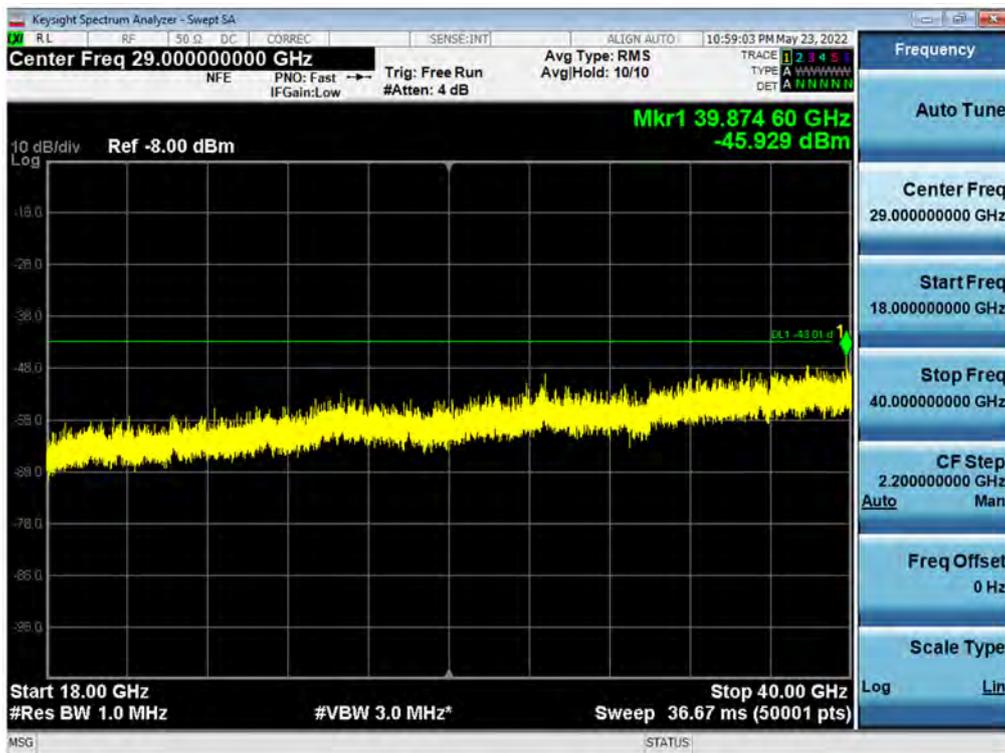
Antenna 1 / 3 710 MHz ~ 3 720 MHz / CBRS NR 60 MHz 1 Carrier / 16QAM / Middle



Antenna 1 / 3 720 MHz ~ 18 GHz / CBRS NR 60 MHz 1 Carrier / 16QAM / Middle



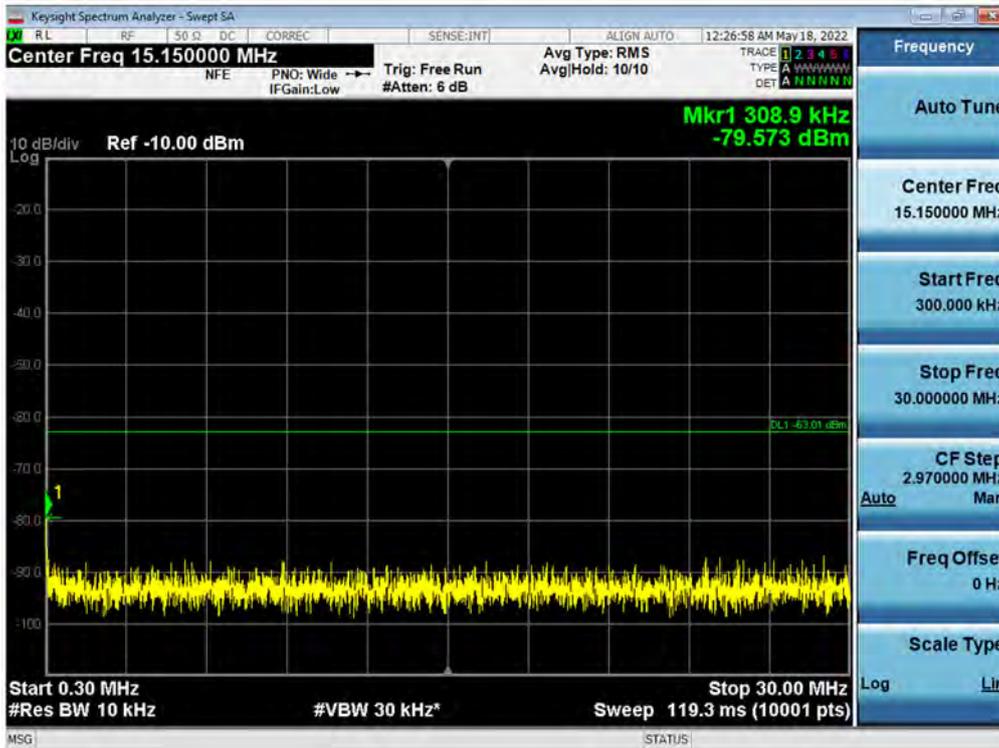
Antenna 1 / 18 GHz ~ 40 GHz / CBRS NR 60 MHz 1 Carrier / 256QAM / Low



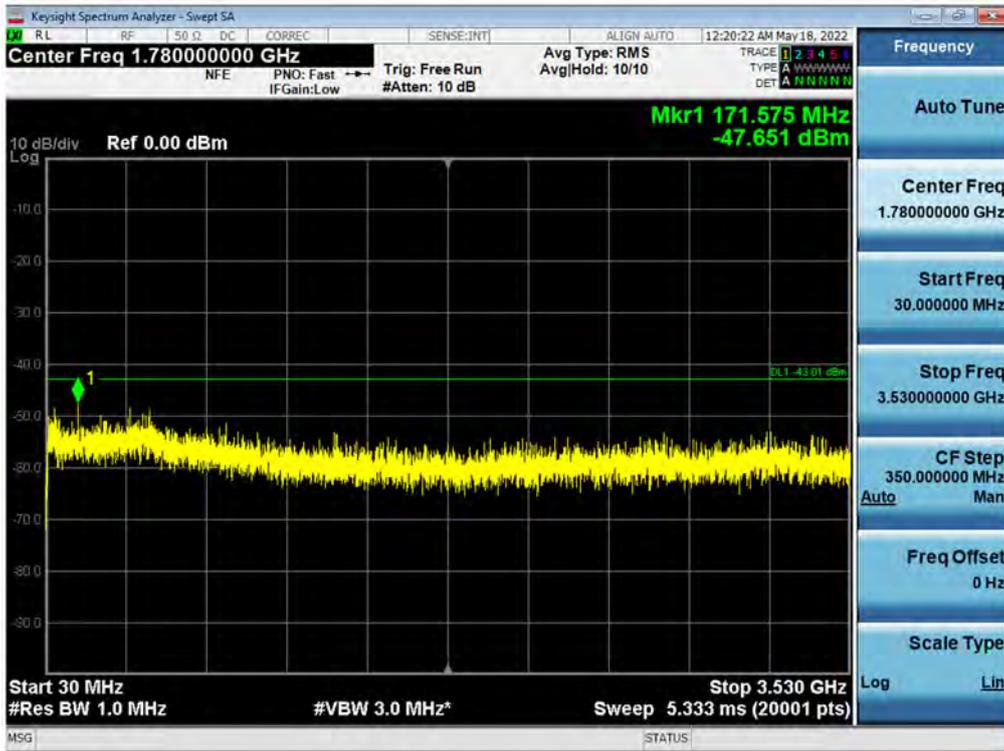
Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 80 MHz 1 Carrier / 64QAM / Middle



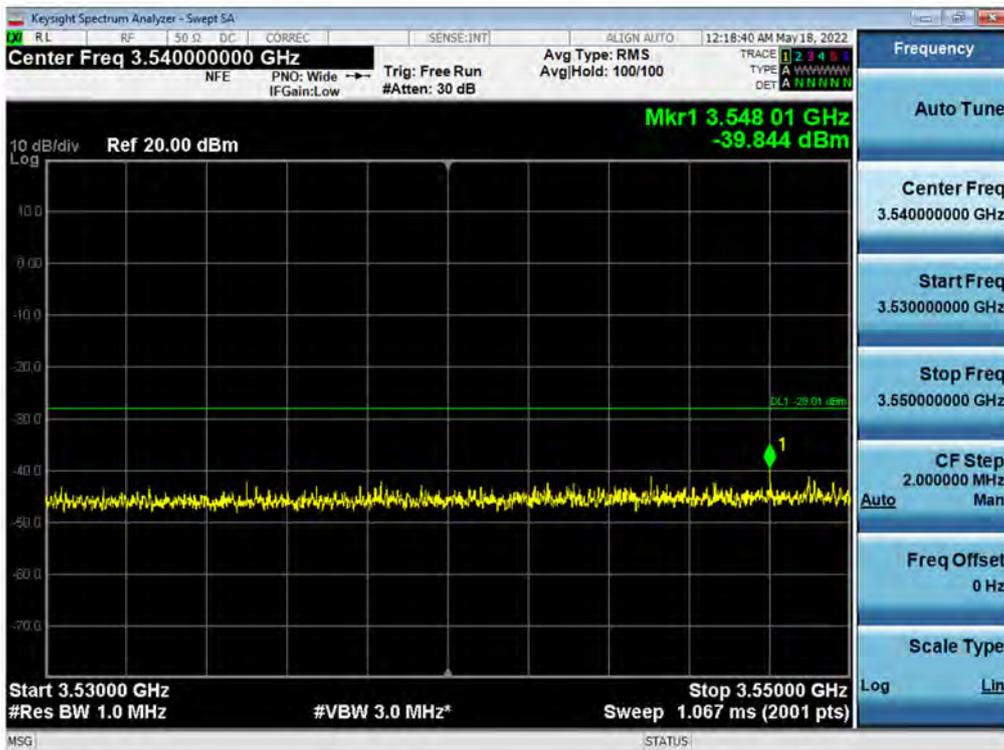
Antenna 0 / 300 kHz ~ 30 MHz / CBRS NR 80 MHz 1 Carrier / 16QAM / High



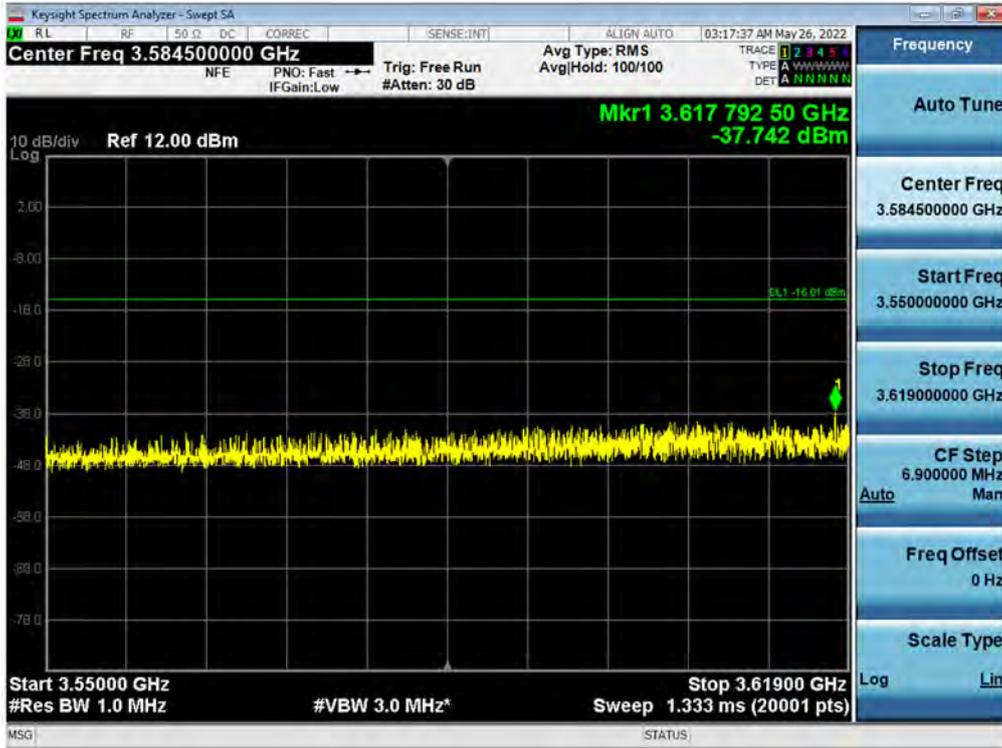
Antenna 1 / 30 MHz ~ 3 530 MHz / CBRS NR 80 MHz 1 Carrier / 64QAM / Middle



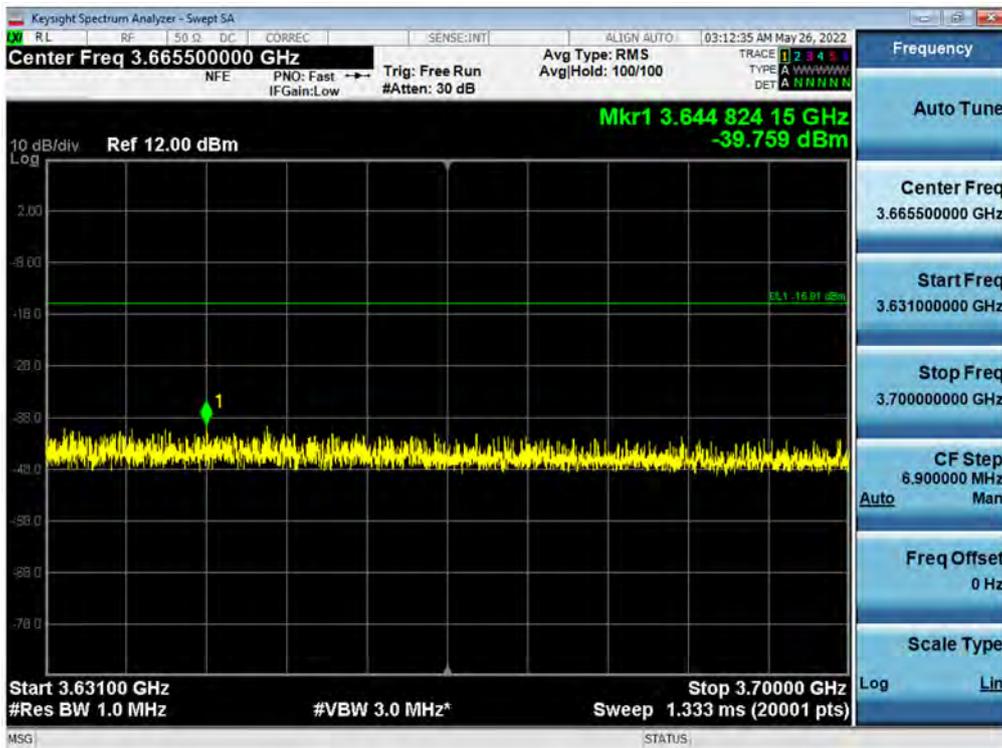
Antenna 1 / 3 530 MHz ~ 3 550 MHz / CBRS NR 80 MHz 1 Carrier / 16QAM / Middle



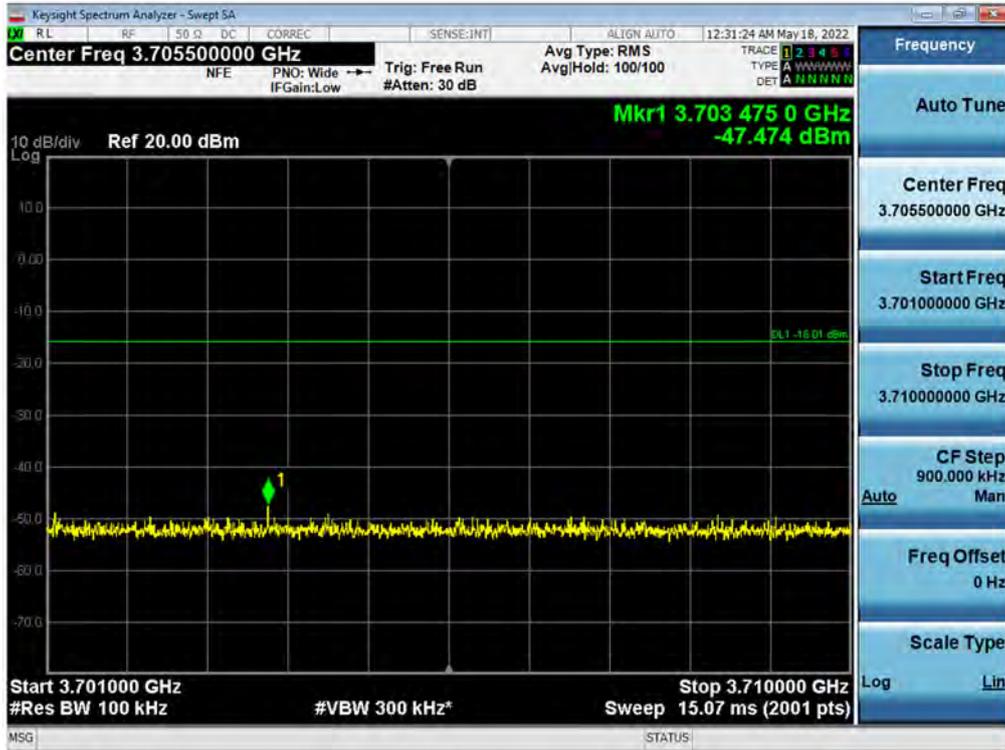
Antenna 1 / 3 550 MHz ~ Low Edge - 1 MHz / CBRS NR 80 MHz 1 Carrier / QPSK / High



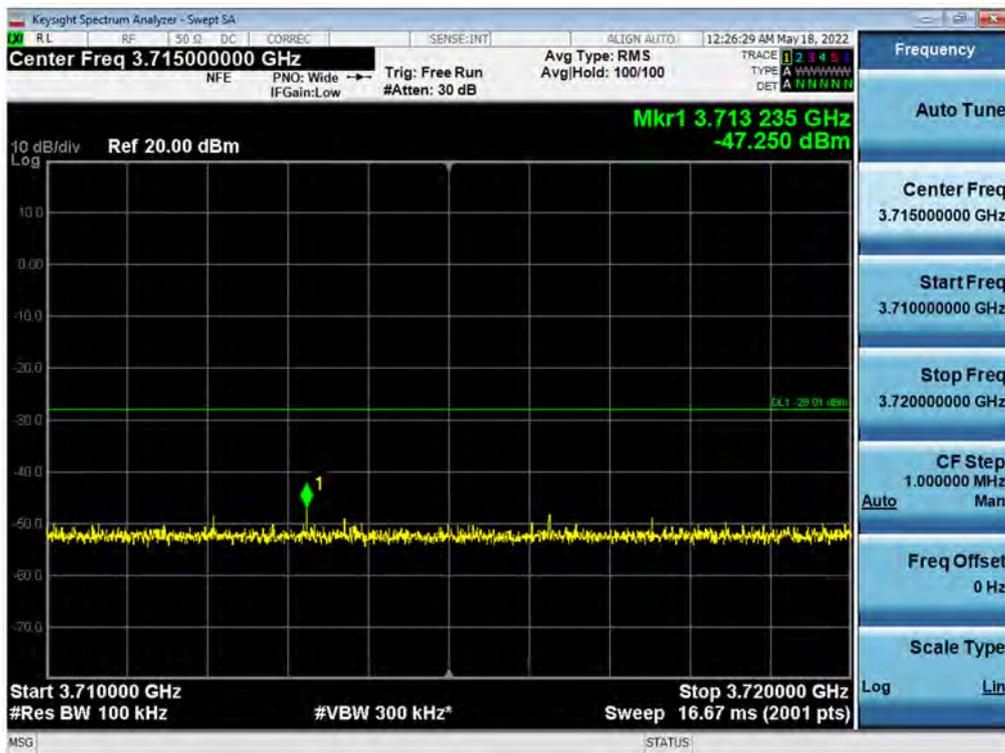
Antenna 1 / High Edge + 1 MHz ~ 3 700 MHz / CBRS NR 80 MHz 1 Carrier / 64QAM / Low



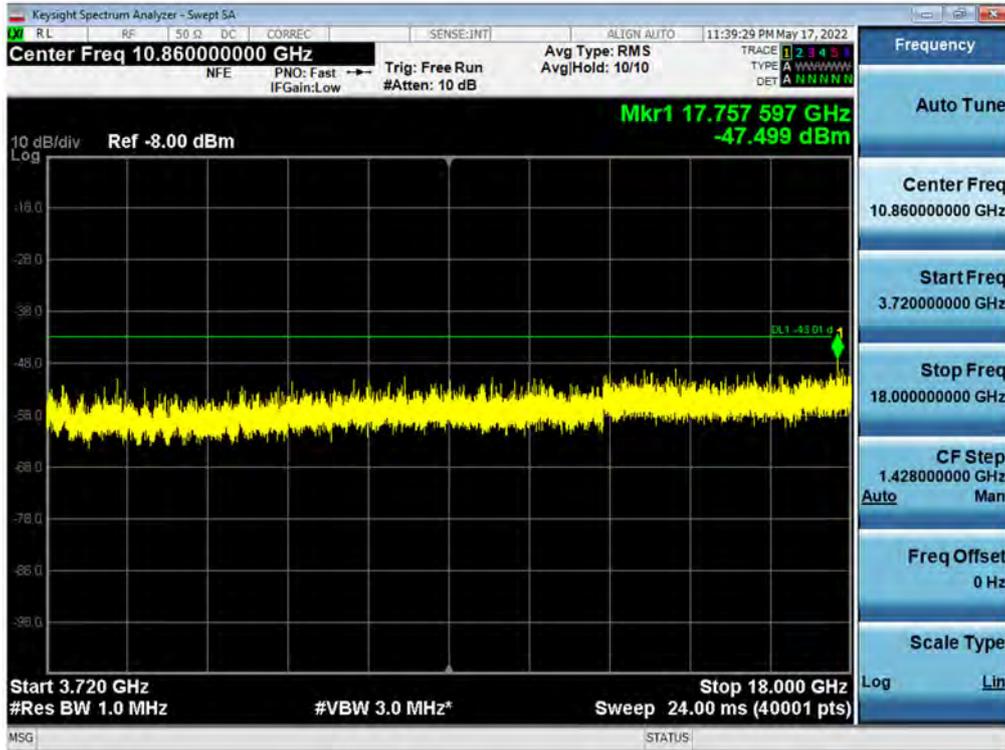
Antenna 0 / 3 700 MHz ~ 3 710 MHz / CBRS NR 80 MHz 1 Carrier / 256QAM / High



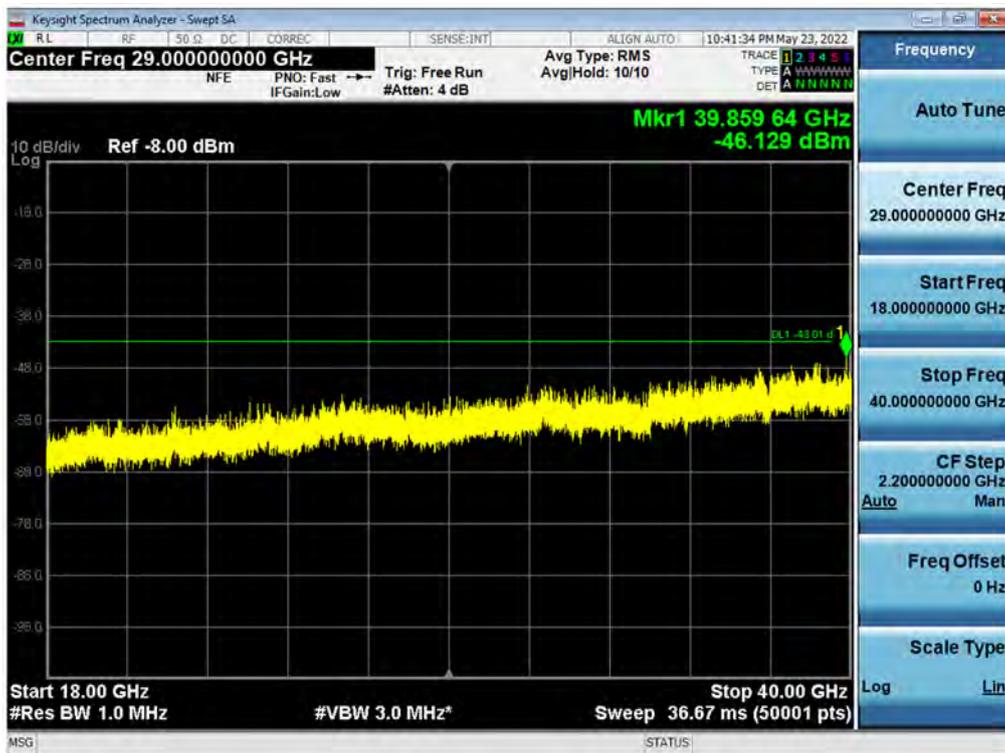
Antenna 0 / 3 710 MHz ~ 3 720 MHz / CBRS NR 80 MHz 1 Carrier / QPSK / High



Antenna 0 / 3 720 MHz ~ 18 GHz / CBRS NR 80 MHz 1 Carrier / 256QAM / Low



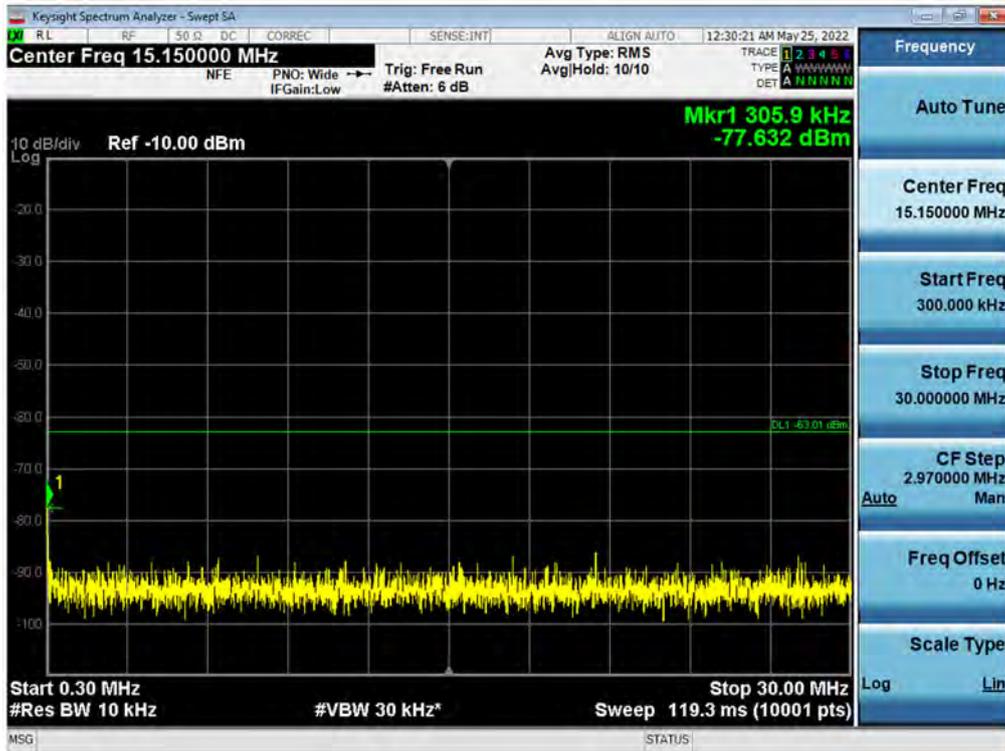
Antenna 0 / 18 GHz ~ 40 GHz / CBRS NR 80 MHz 1 Carrier / 16QAM / Low



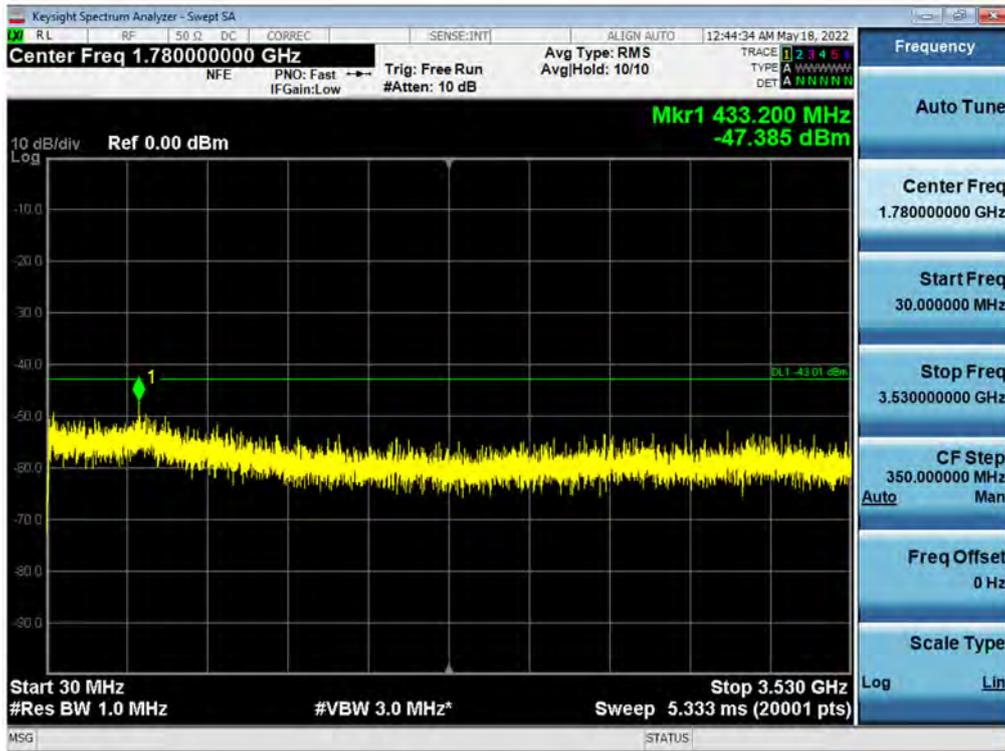
Antenna 1 / 9 kHz ~ 300 kHz / CBRS NR 100 MHz 1 Carrier / 256QAM / Middle



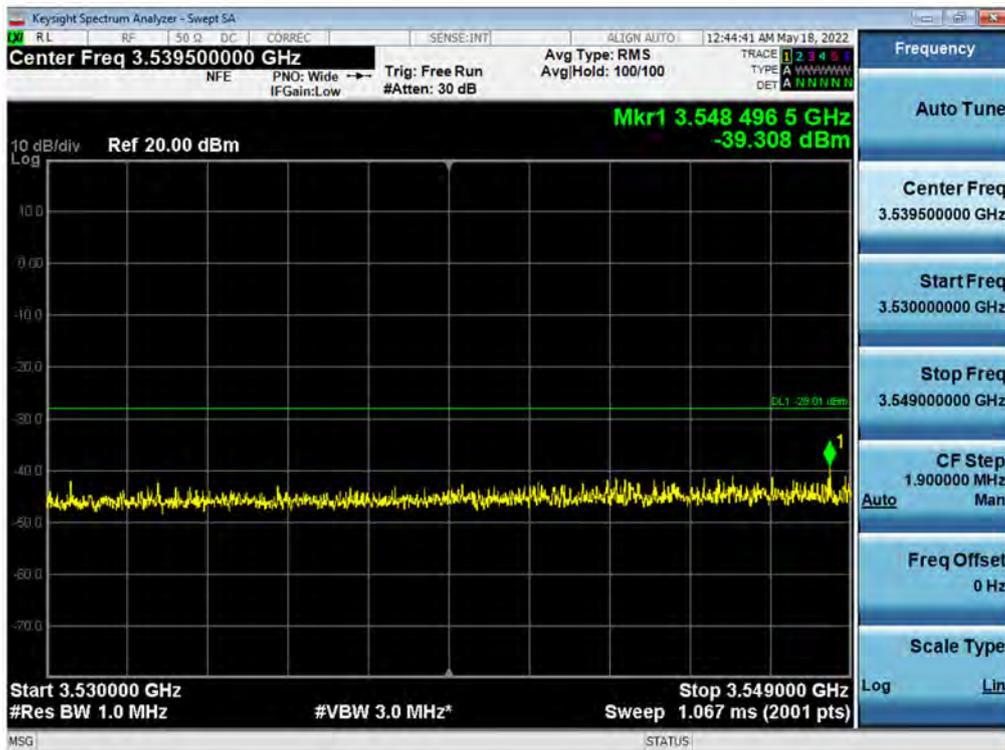
Antenna 0 / 300 kHz ~ 30 MHz / CBRS NR 100 MHz 1 Carrier / 256QAM / High



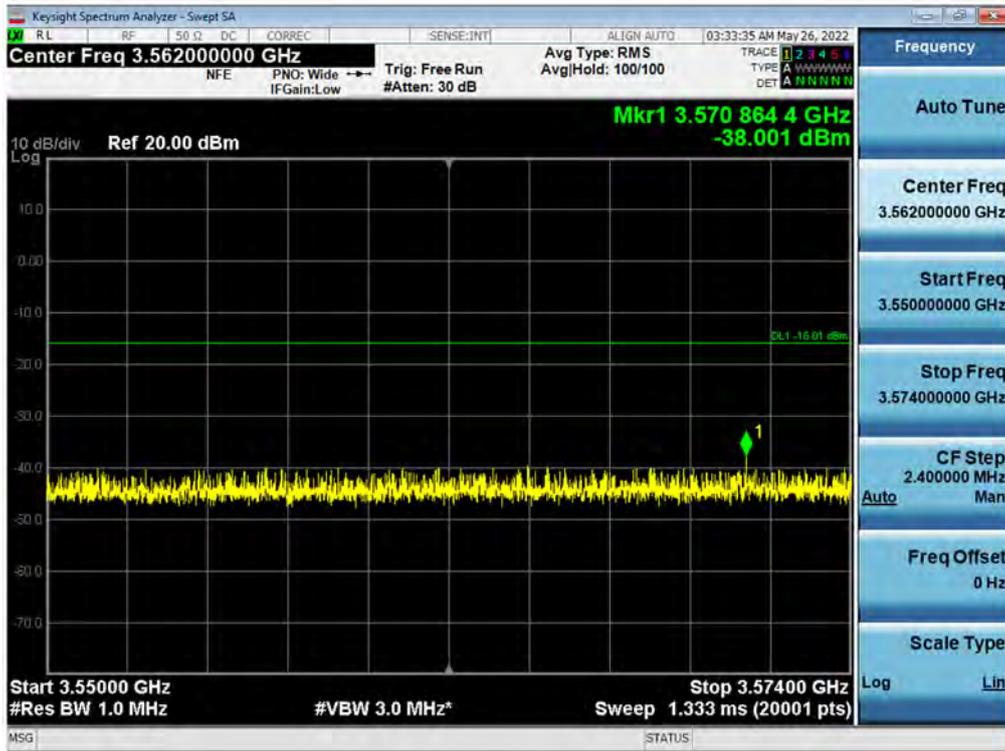
Antenna 0 / 30 MHz ~ 3 530 MHz / CBRS NR 100 MHz 1 Carrier / 16QAM / Low



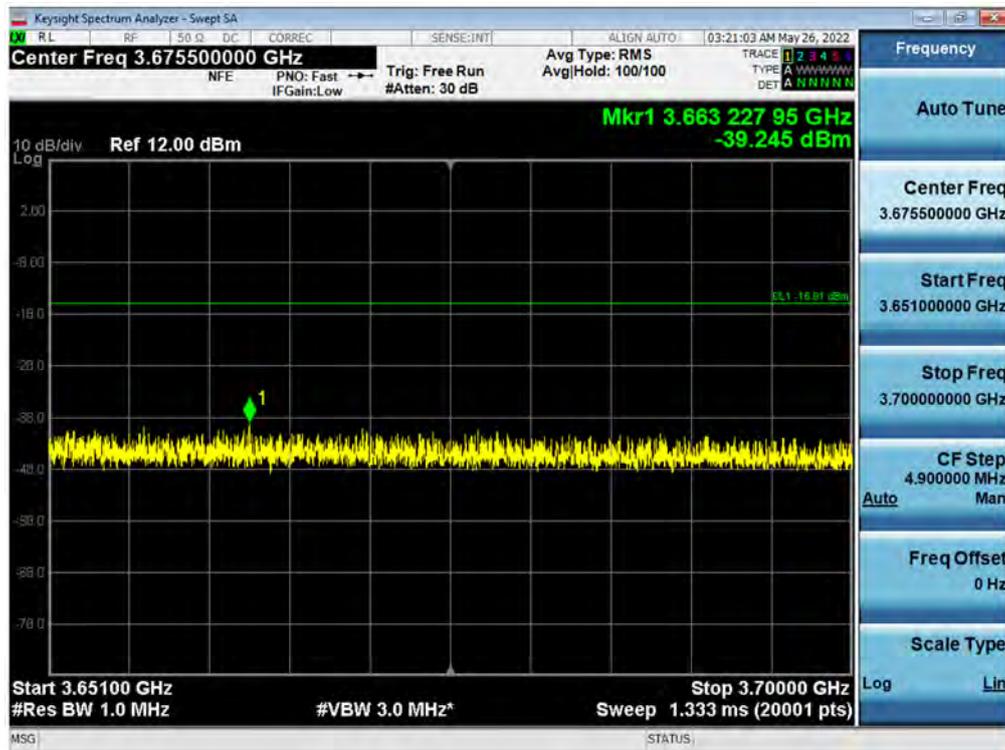
Antenna 0 / 3 530 MHz ~ 3 550 MHz / CBRS NR 100 MHz 1 Carrier / 16QAM / Low



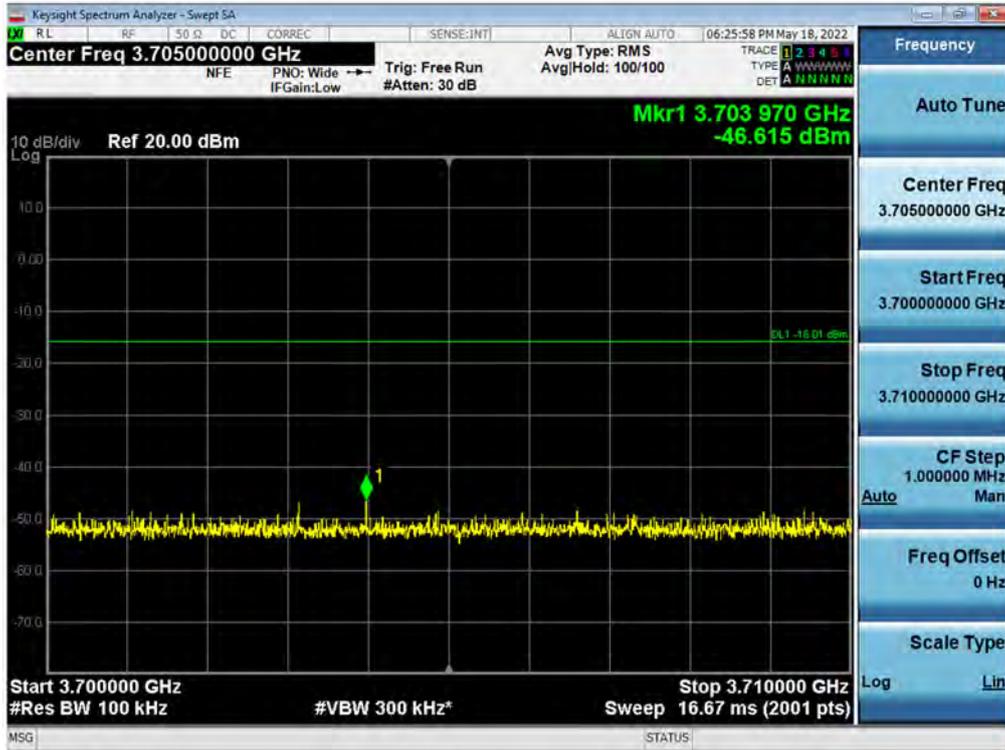
Antenna 1 / 3 550 MHz ~ Low Edge - 1 MHz / CBRS NR 100 MHz 1 Carrier / 256QAM / Middle



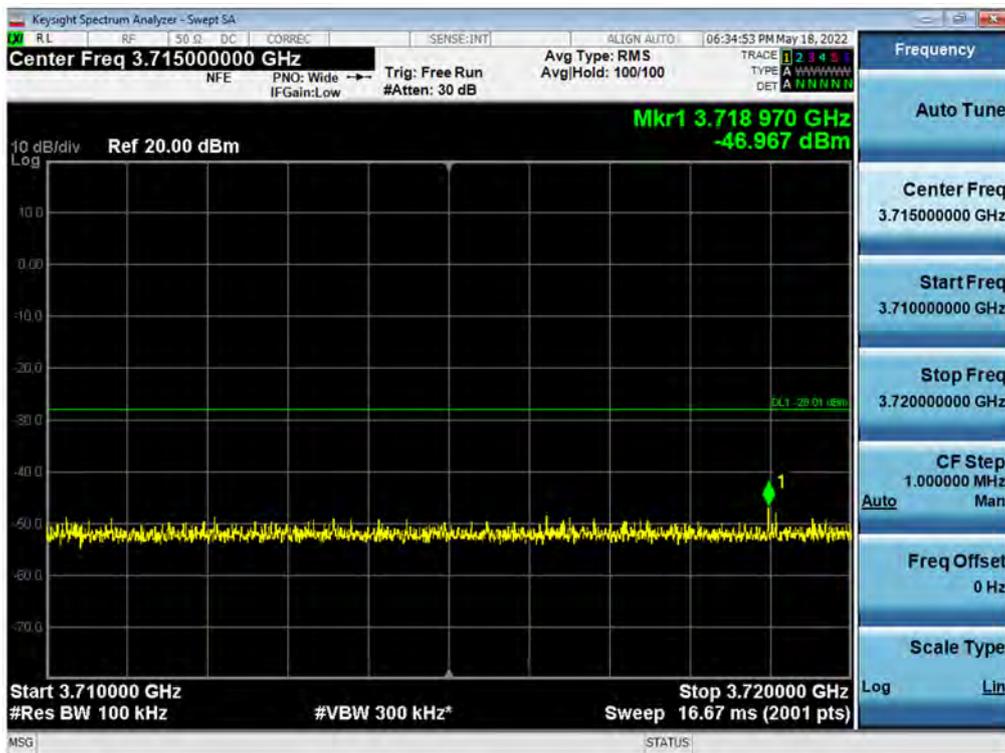
Antenna 1 / High Edge + 1 MHz ~ 3 700 MHz / CBRS NR 100 MHz 1 Carrier / 256QAM / Low



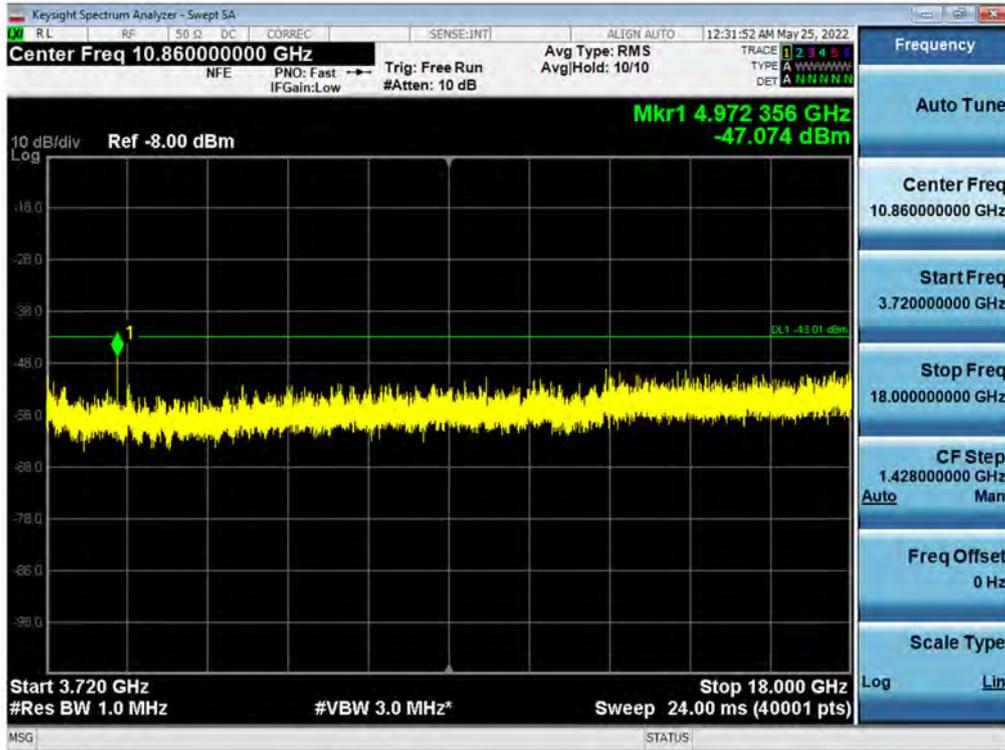
Antenna 0 / 3 700 MHz ~ 3 710 MHz / CBRS NR 100 MHz 1 Carrier / 256QAM / Middle



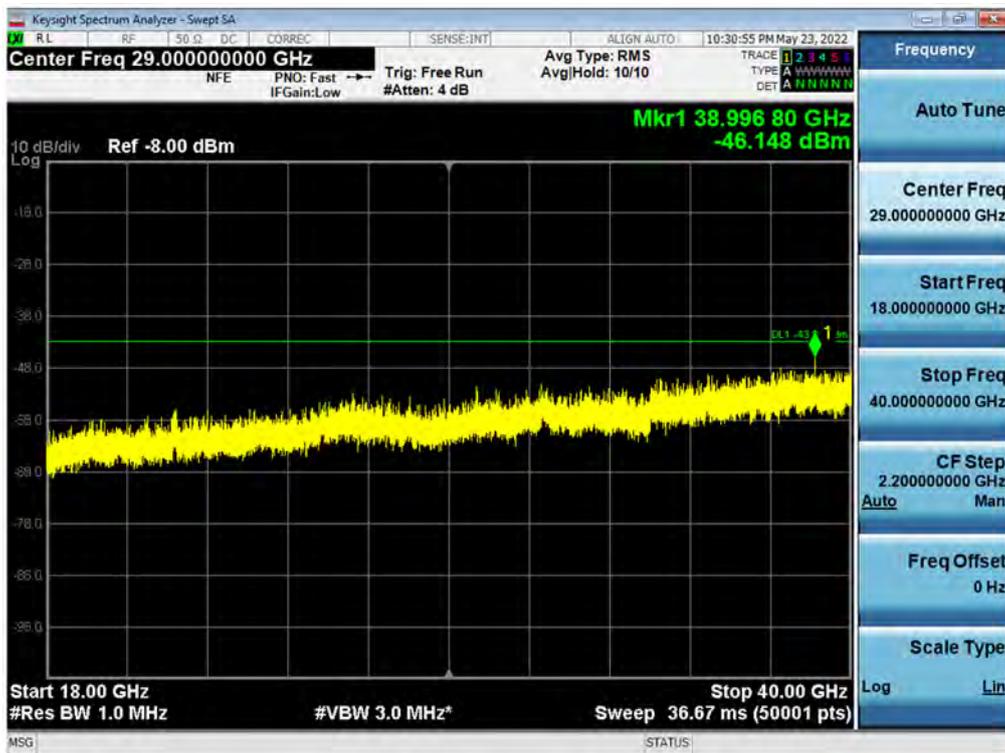
Antenna 1 / 3 710 MHz ~ 3 720 MHz / CBRS NR 100 MHz 1 Carrier / 256QAM / Middle



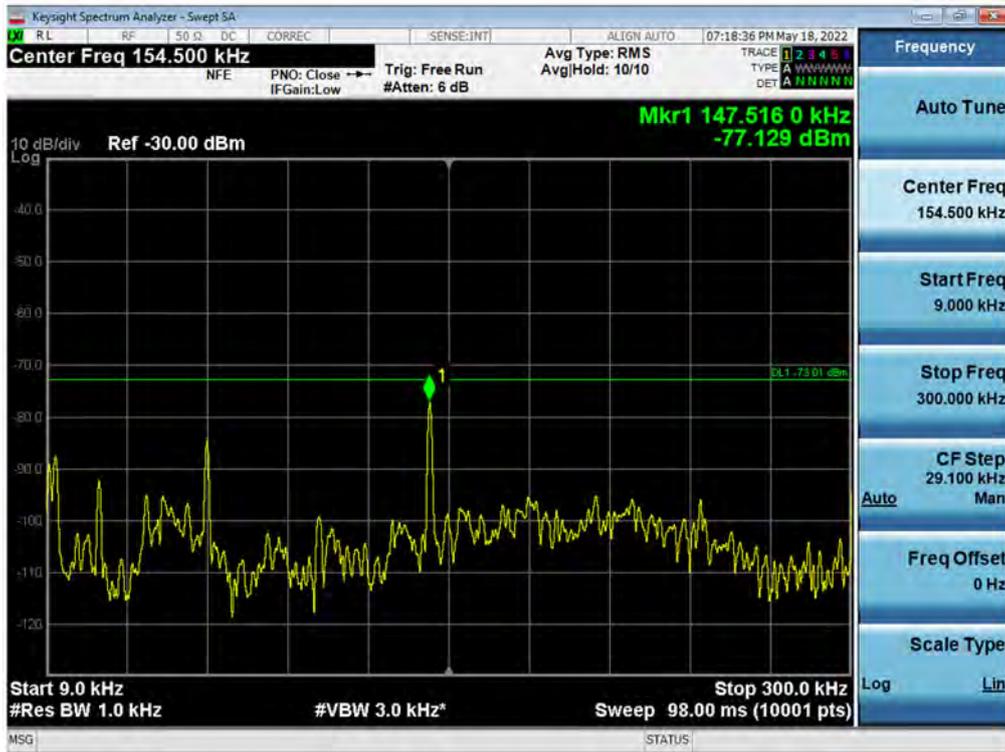
Antenna 0 / 3 720 MHz ~ 18 GHz / CBRS NR 100 MHz 1 Carrier / 256QAM / High



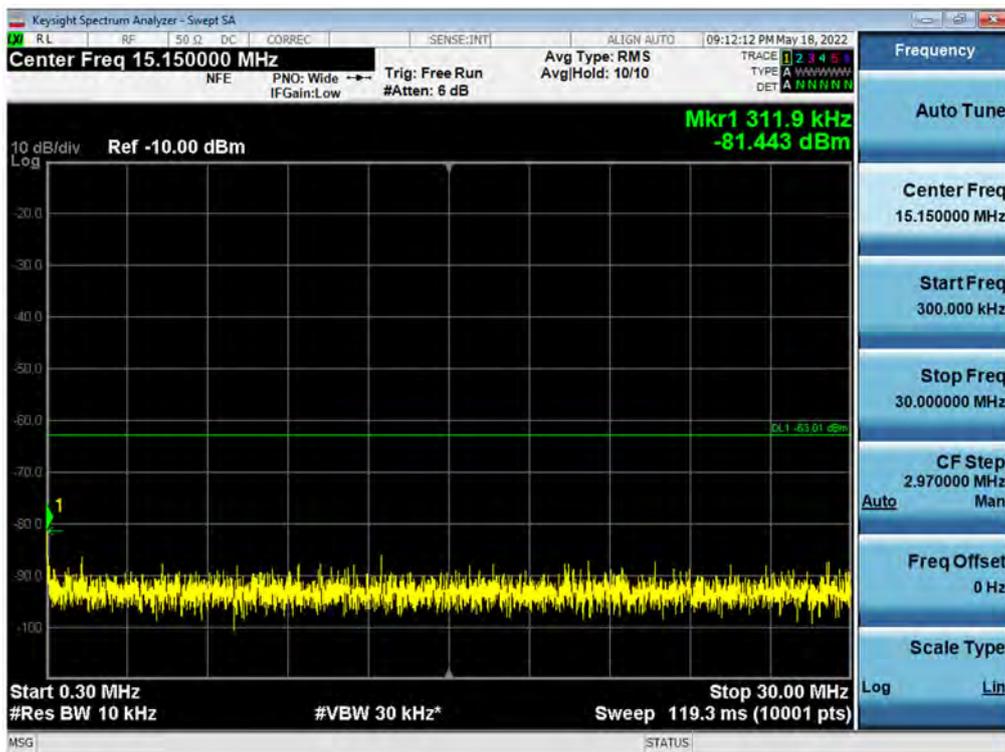
Antenna 1 / 18 GHz ~ 40 GHz / CBRS NR 100 MHz 1 Carrier / QPSK / Middle



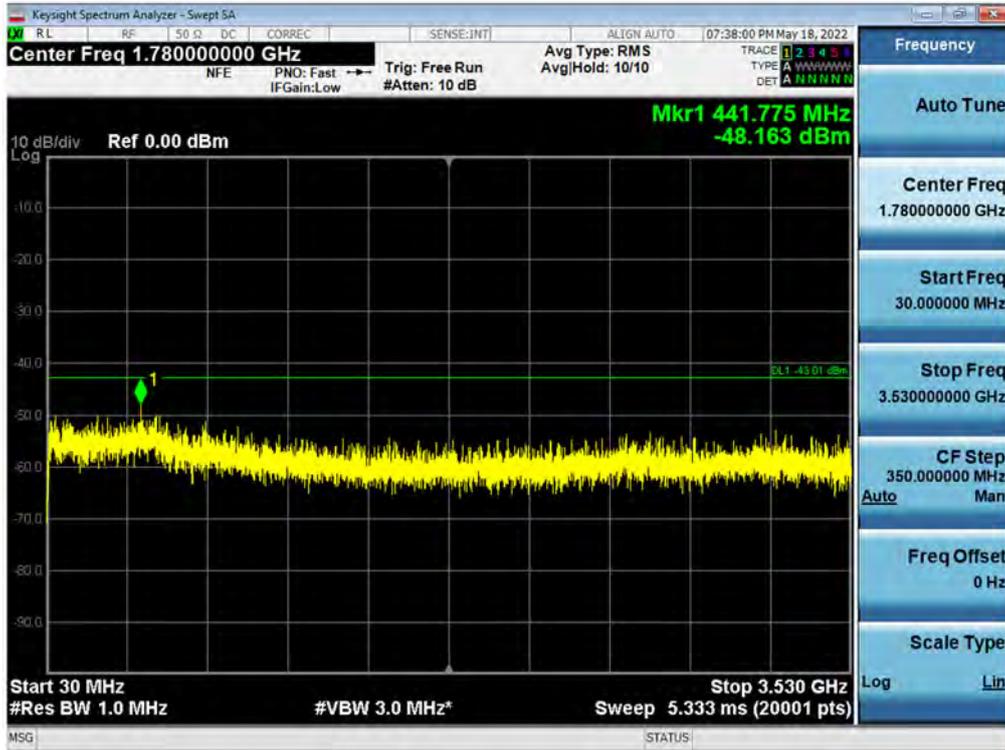
Antenna 0 / 9 kHz ~ 300 kHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / Low



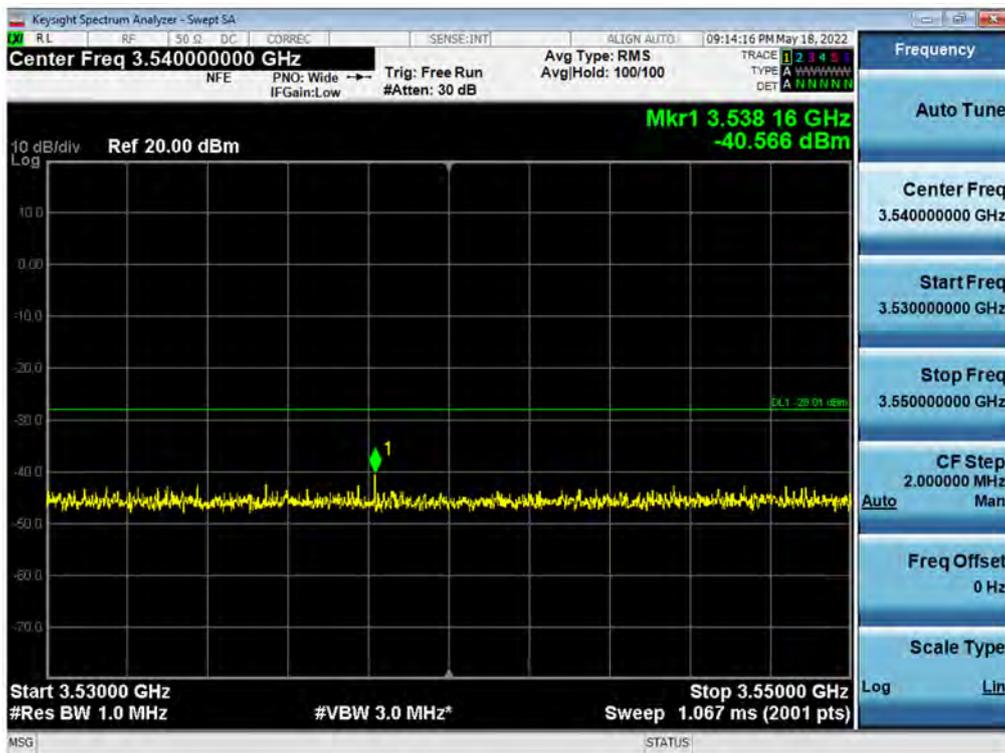
Antenna 0 / 300 kHz ~ 30 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 64QAM / High



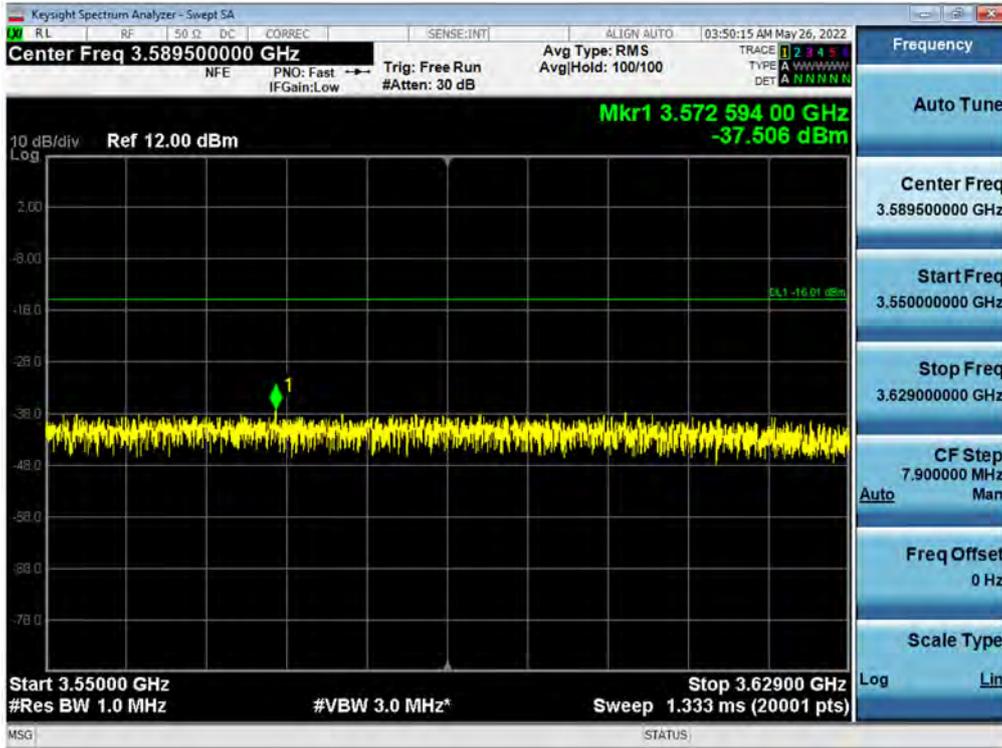
Antenna 0 / 30 MHz ~ 3 530 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / Middle



Antenna 0 / 3 530 MHz ~ 3 550 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / High



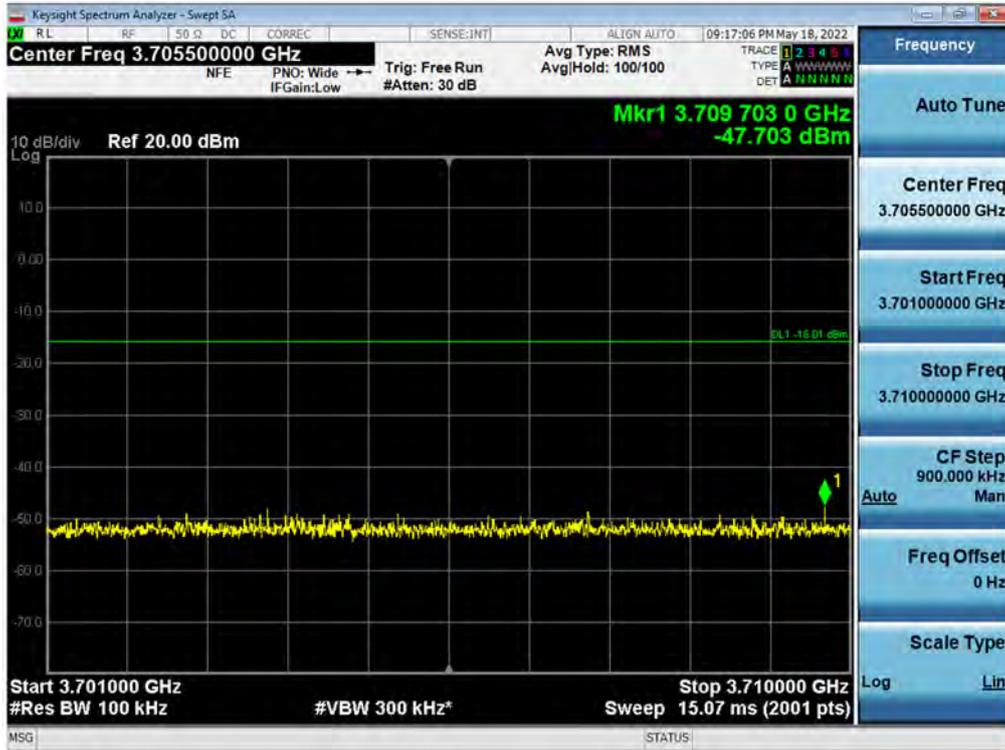
Antenna 1 / 3 550 MHz ~ Low Edge - 1 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / High



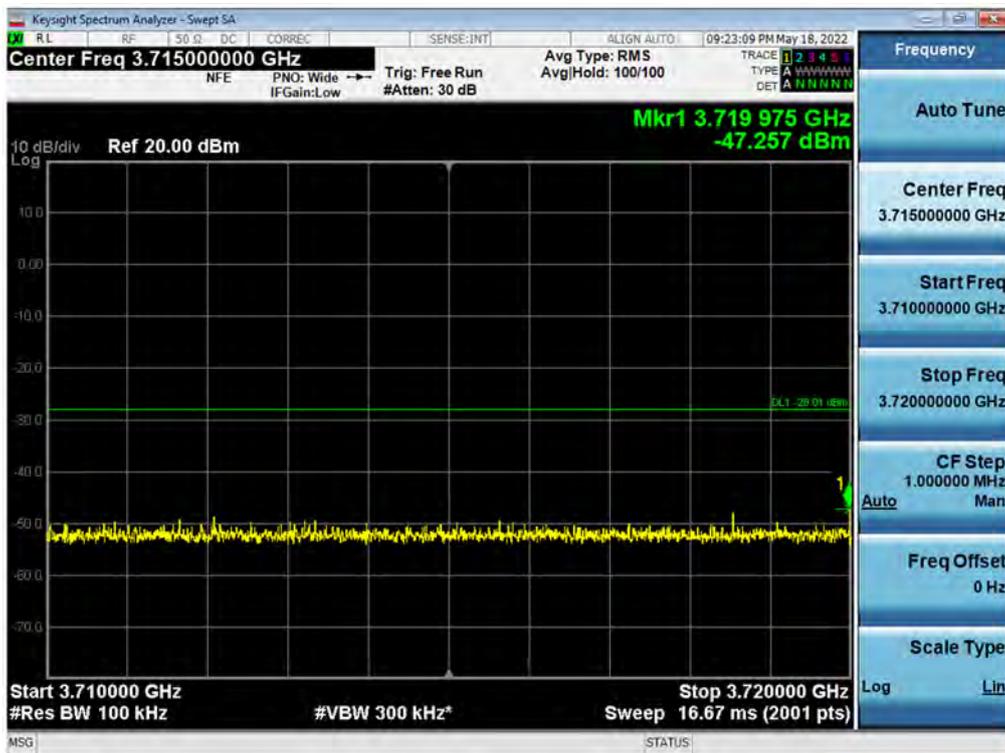
Antenna 1 / High Edge + 1 MHz ~ 3 700 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / Low

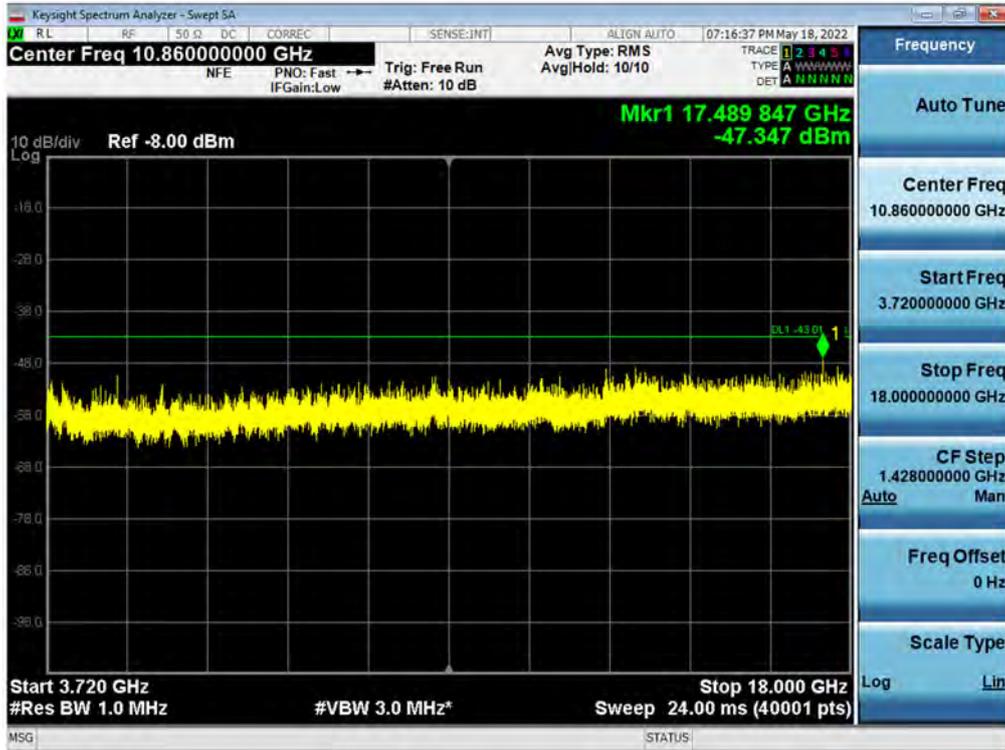
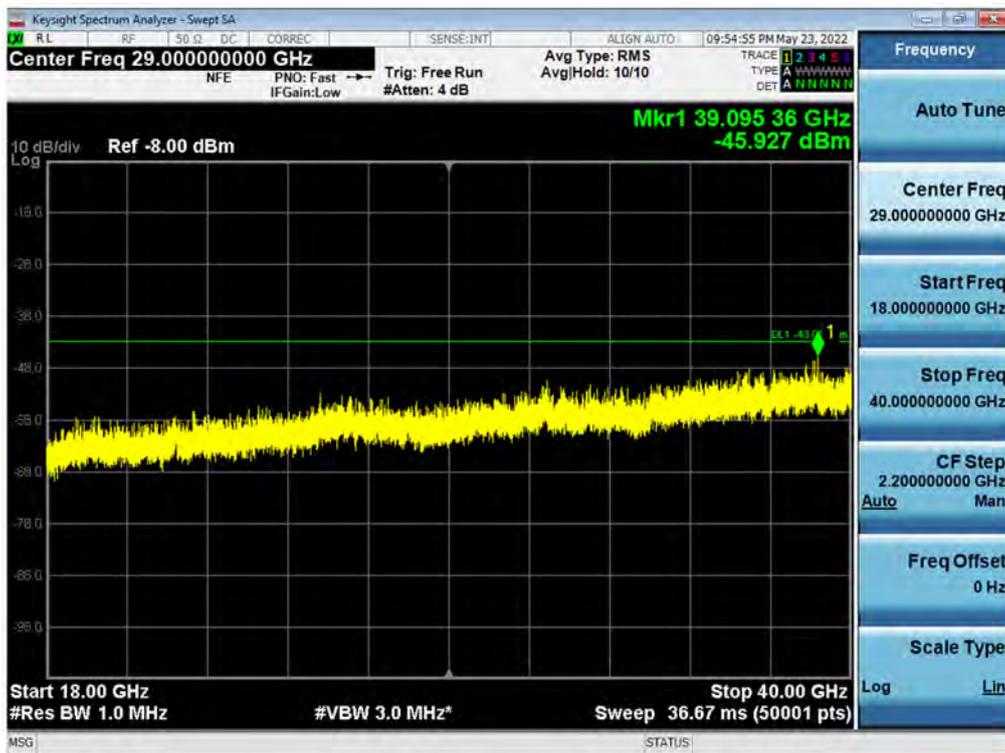


Antenna 1 / 3 700 MHz ~ 3710 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / QPSK / High

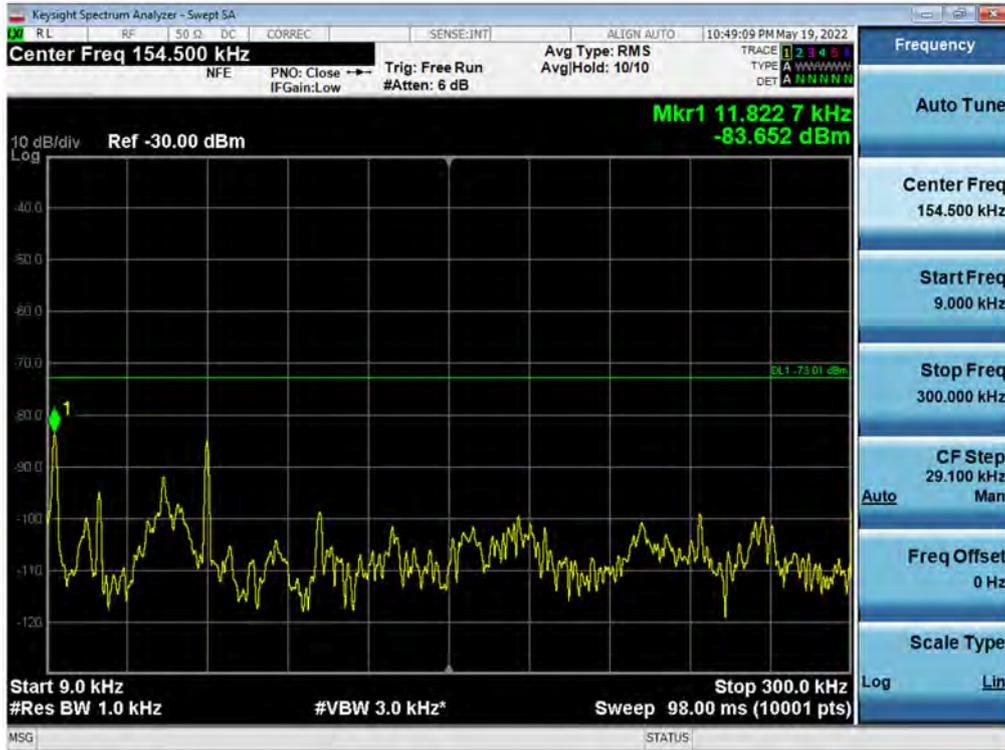


Antenna 1 / 3 710 MHz ~ 3 720 MHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / High

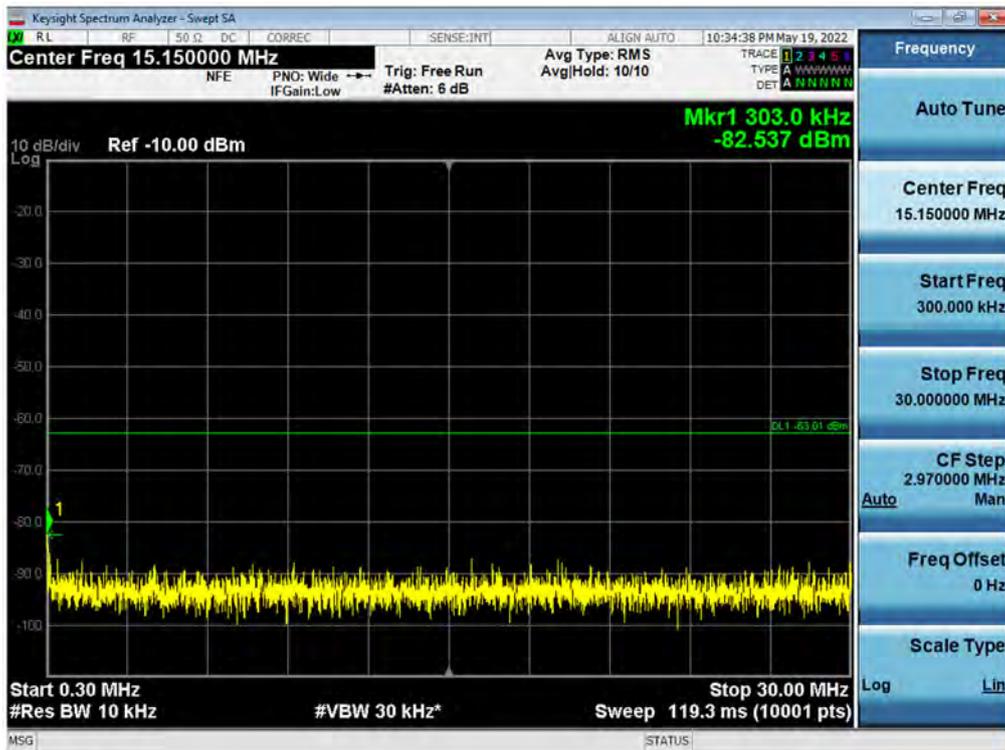


Antenna 0 / 3 720 MHz ~ 18 GHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / Low

Antenna 0 / 18 GHz ~ 40 GHz / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / Low


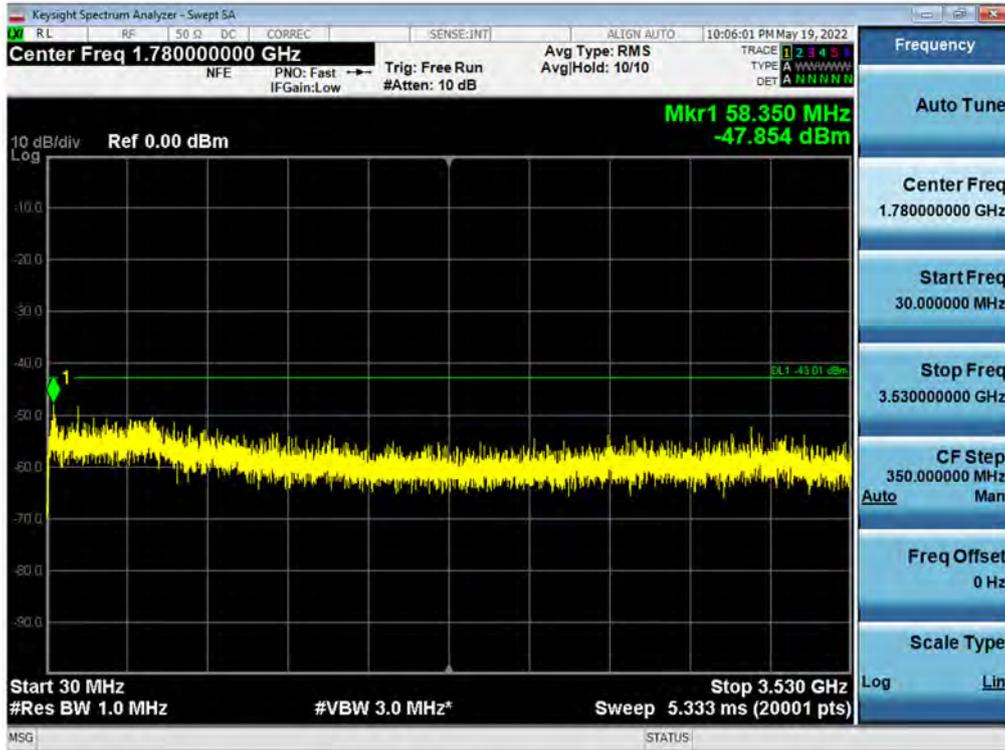
Antenna 0 / 9 kHz ~ 300 kHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / High



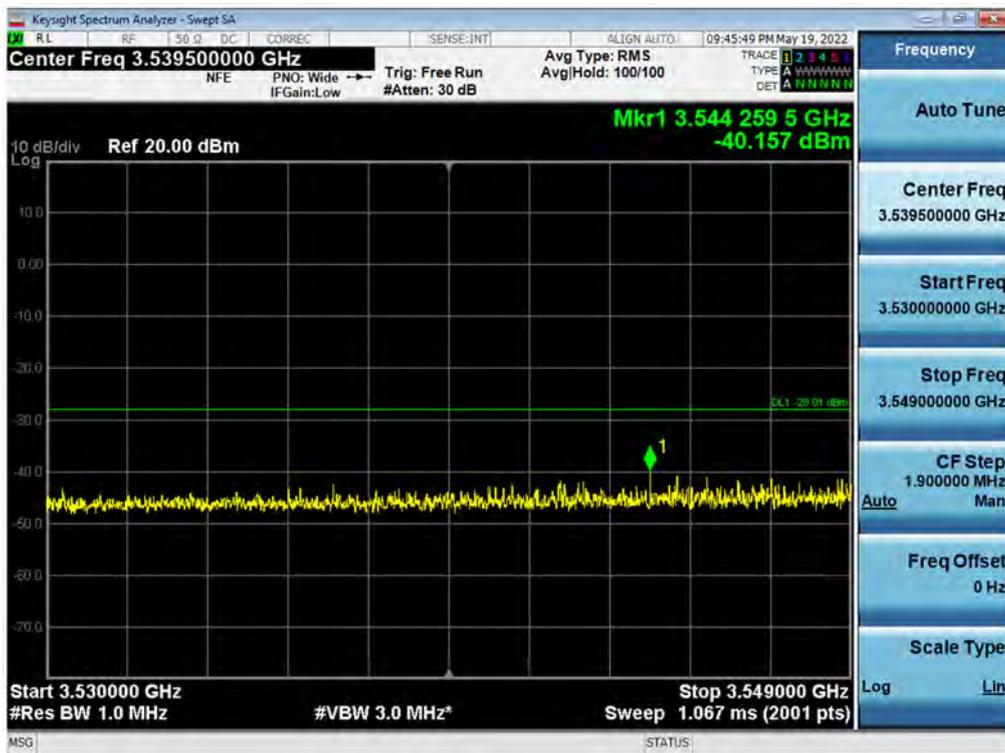
Antenna 1 / 300 kHz ~ 30 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / Middle



Antenna 0 / 30 MHz ~ 3 530 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / Low



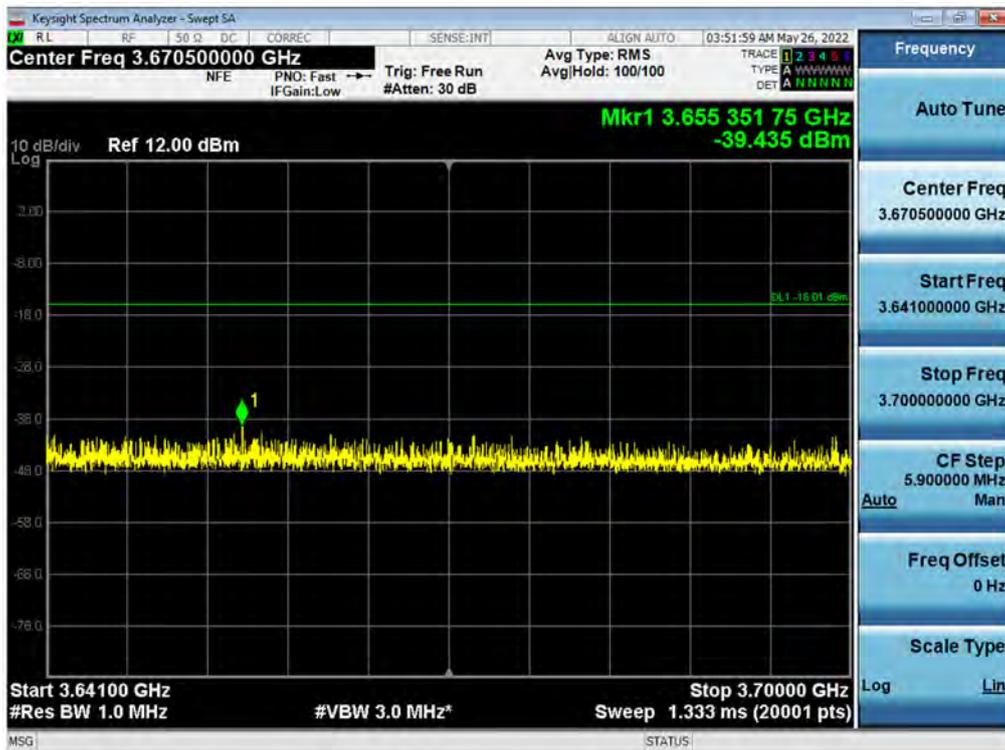
Antenna 1 / 3 530 MHz ~ 3 550 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / Low



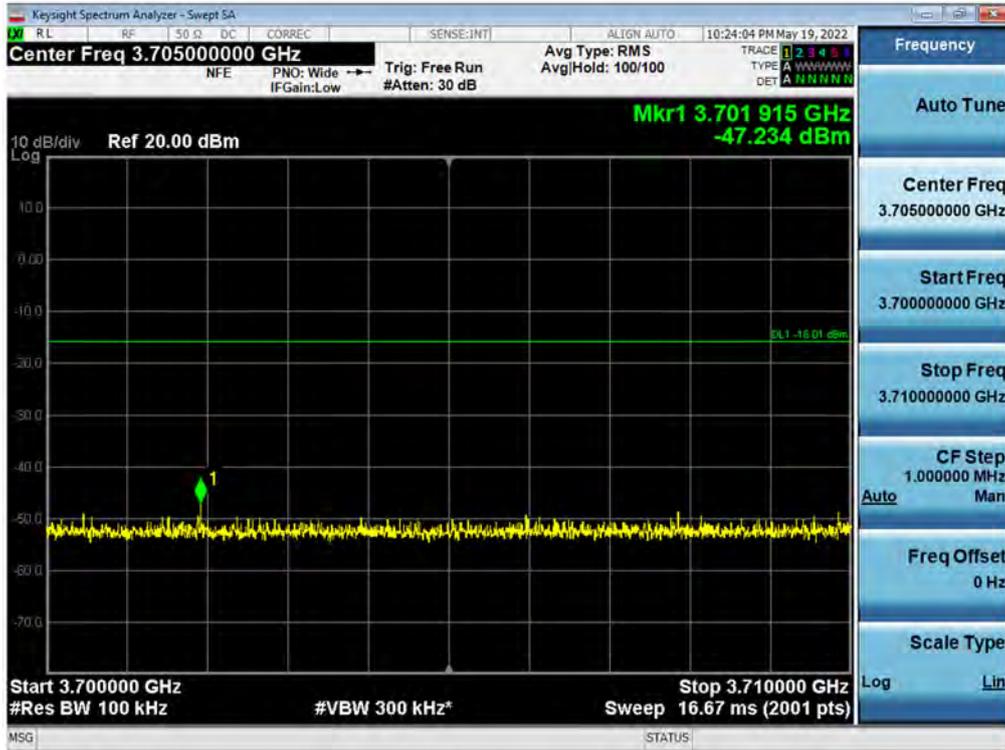
Antenna 0 / 3 550 MHz ~ Low Edge - 1 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / Middle



Antenna 0 / High Edge + 1 MHz ~ 3 700 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 16QAM / Low



Antenna 0 / 3 700 MHz ~ 3 710 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / Middle



Antenna 1 / 3 710 MHz ~ 3720 MHz / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / High

