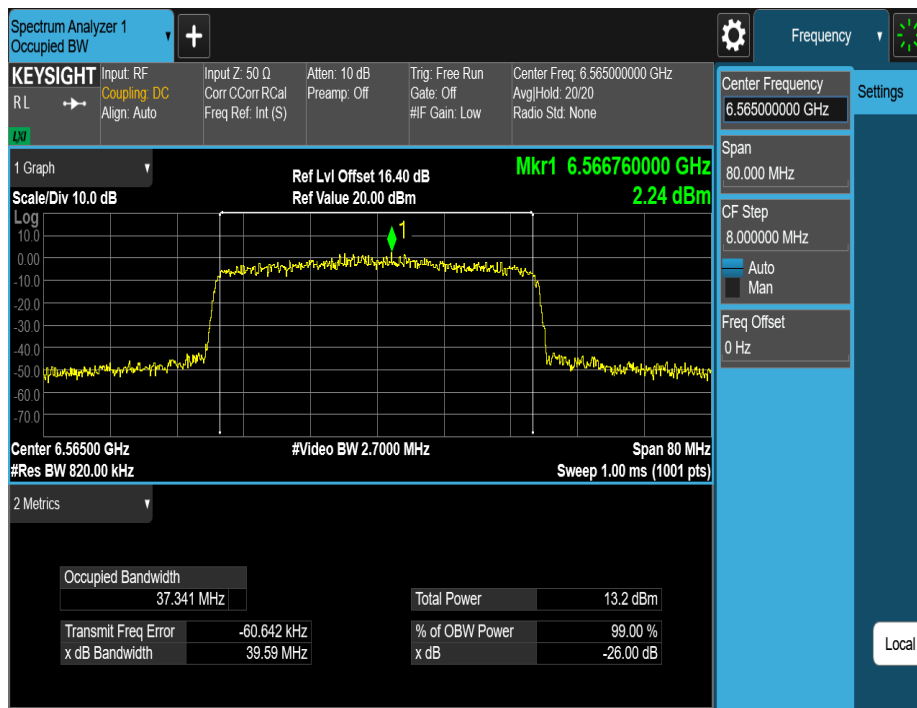


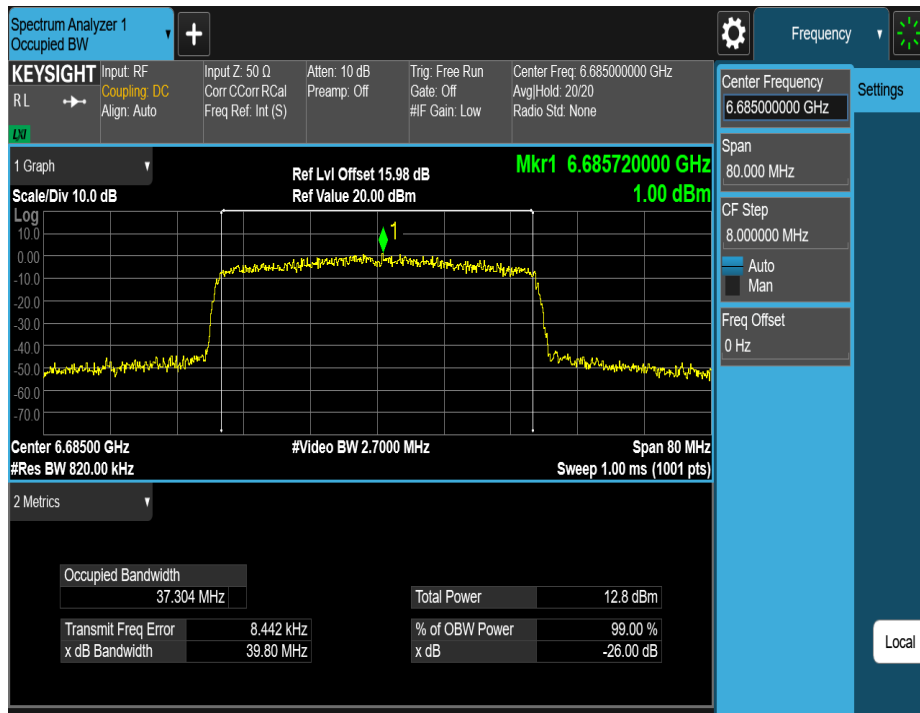
11AX40MIMO_Ant1_6565



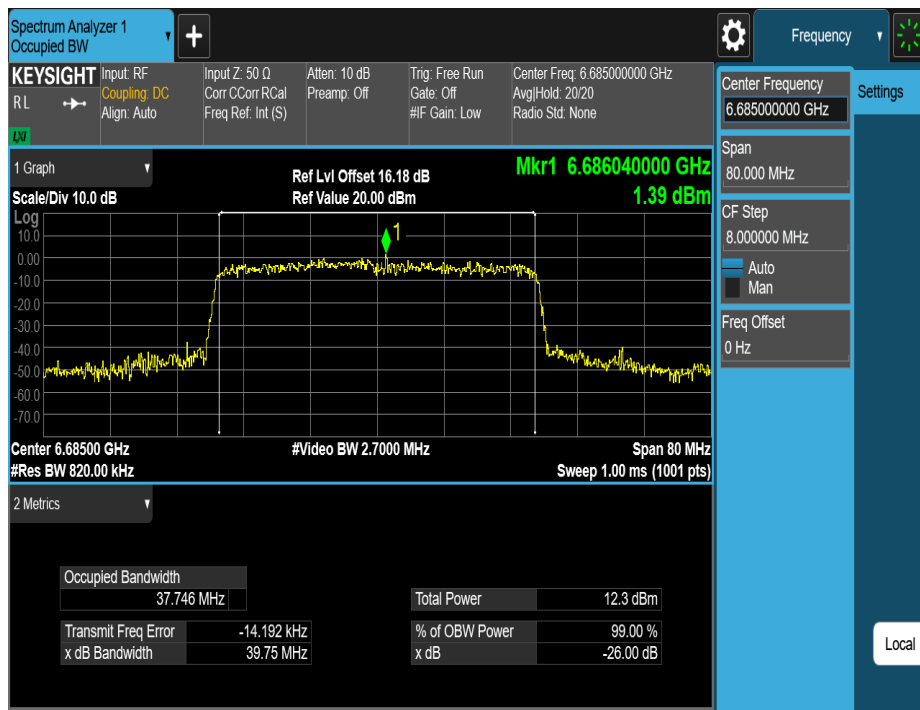
11AX40MIMO_Ant2_6565



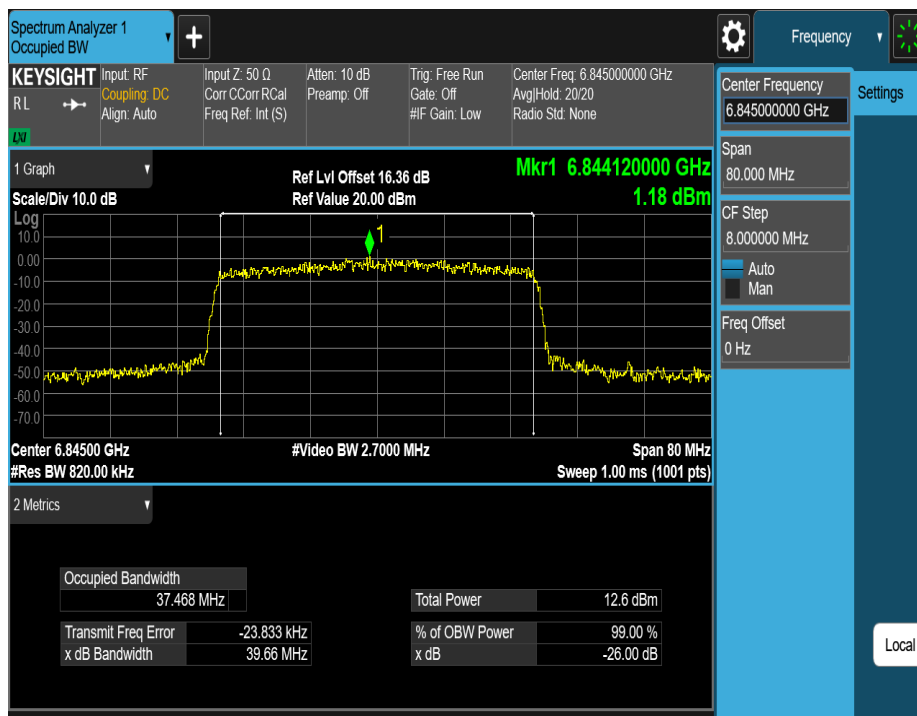
11AX40MIMO_Ant1_6685



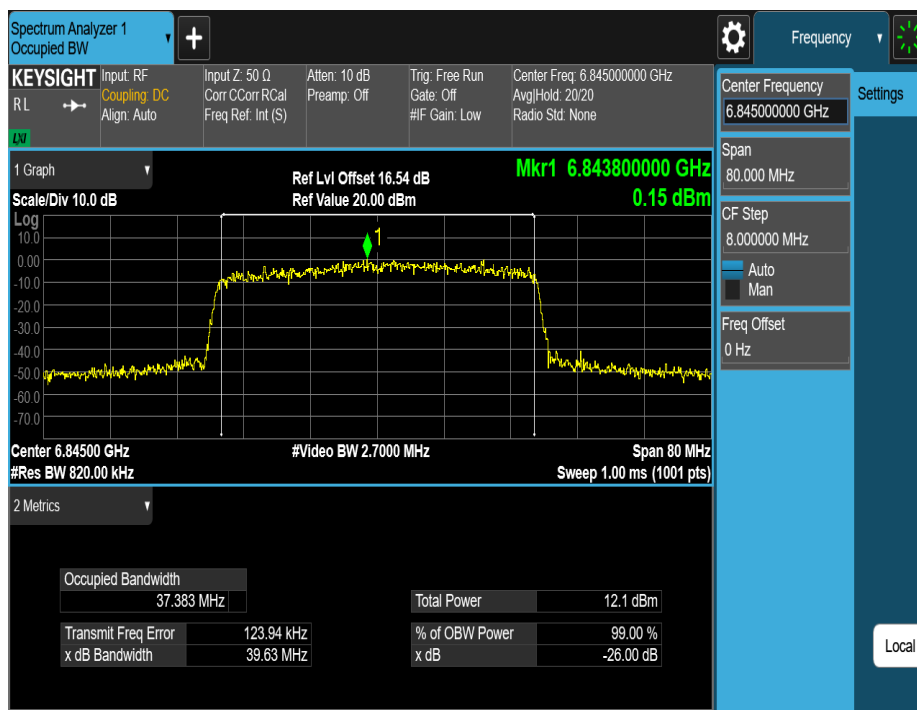
11AX40MIMO_Ant2_6685



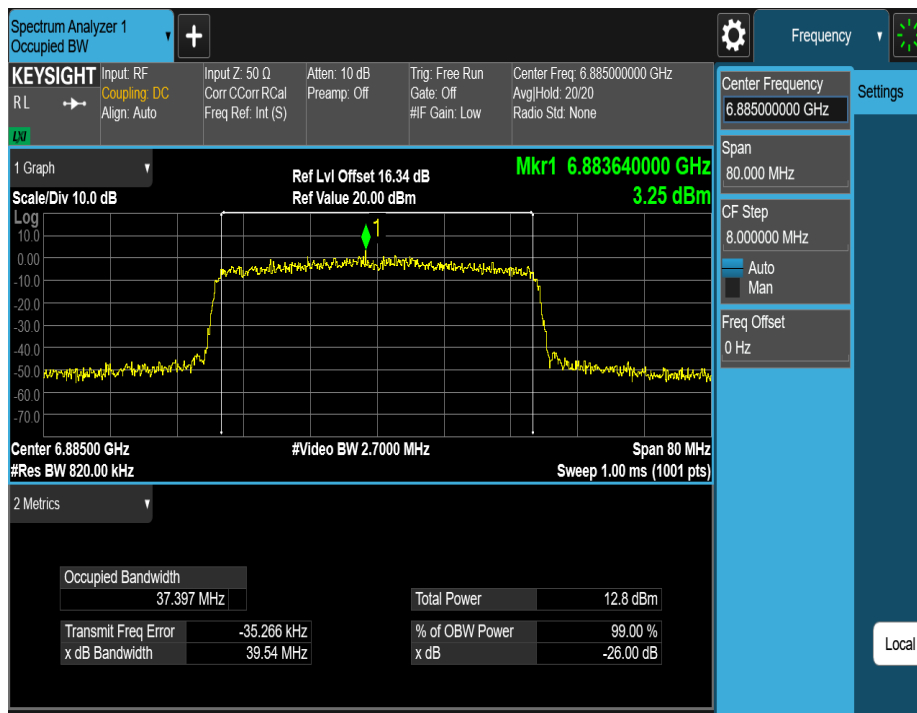
11AX40MIMO_Ant1_6845



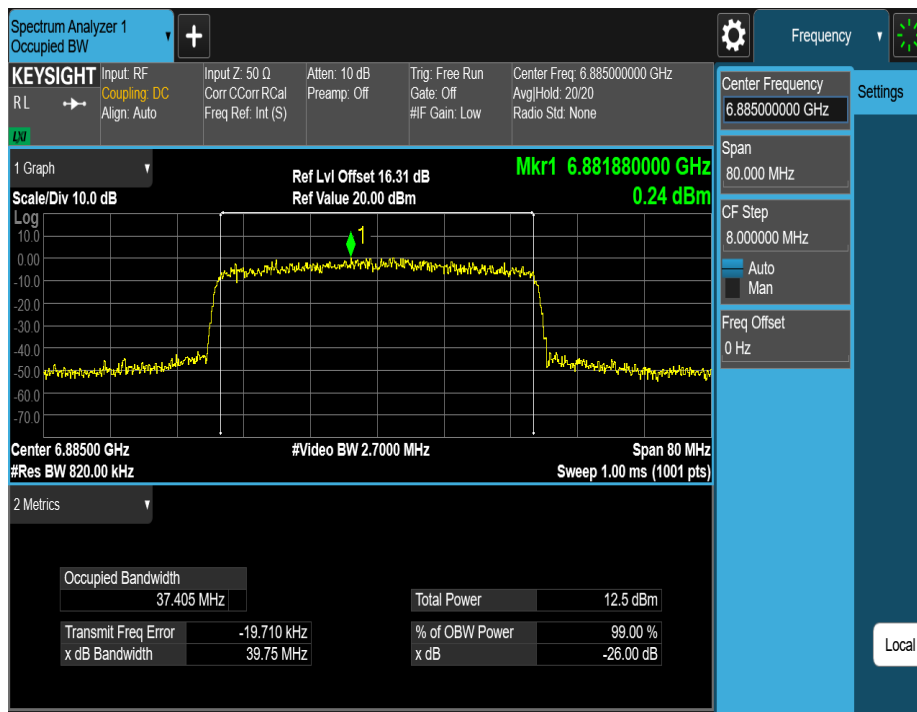
11AX40MIMO_Ant2_6845

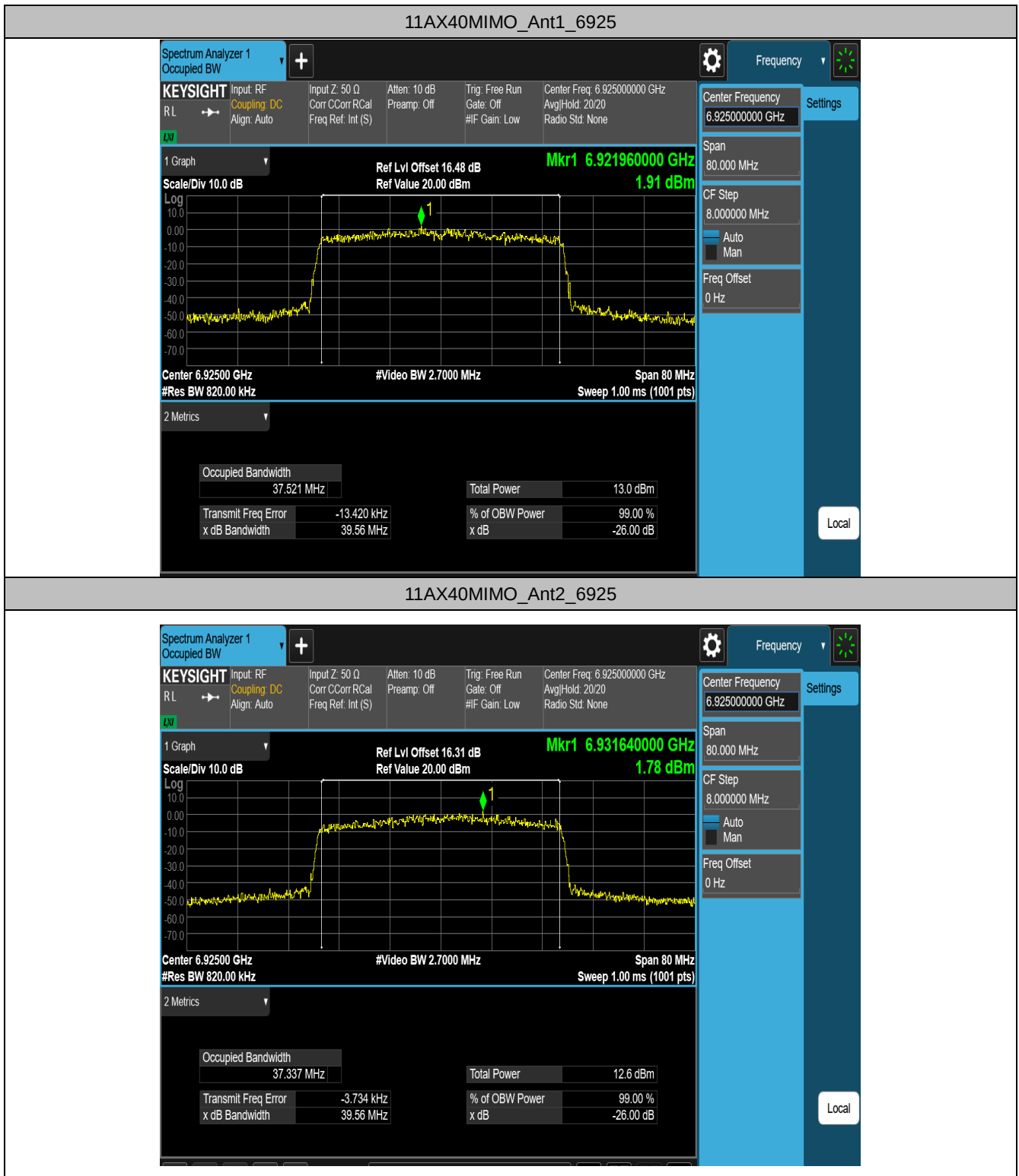


11AX40MIMO_Ant1_6885

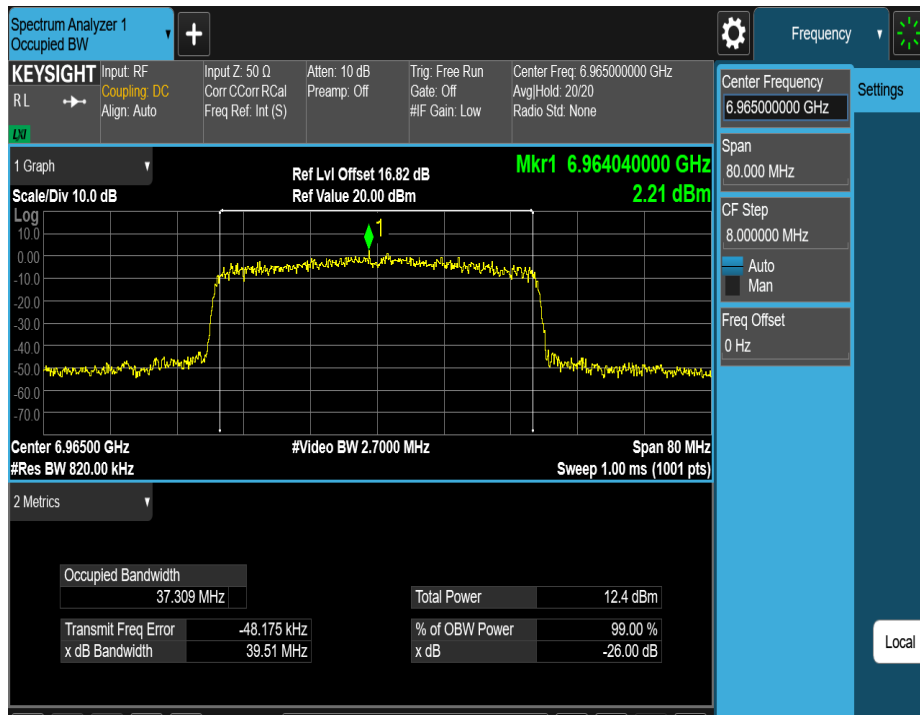


11AX40MIMO_Ant2_6885

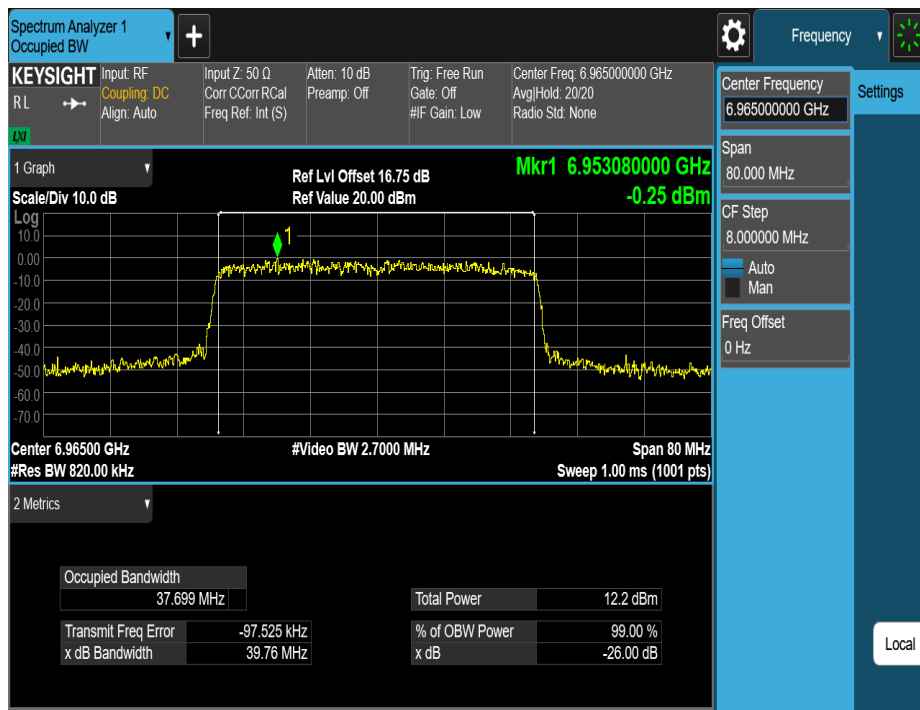




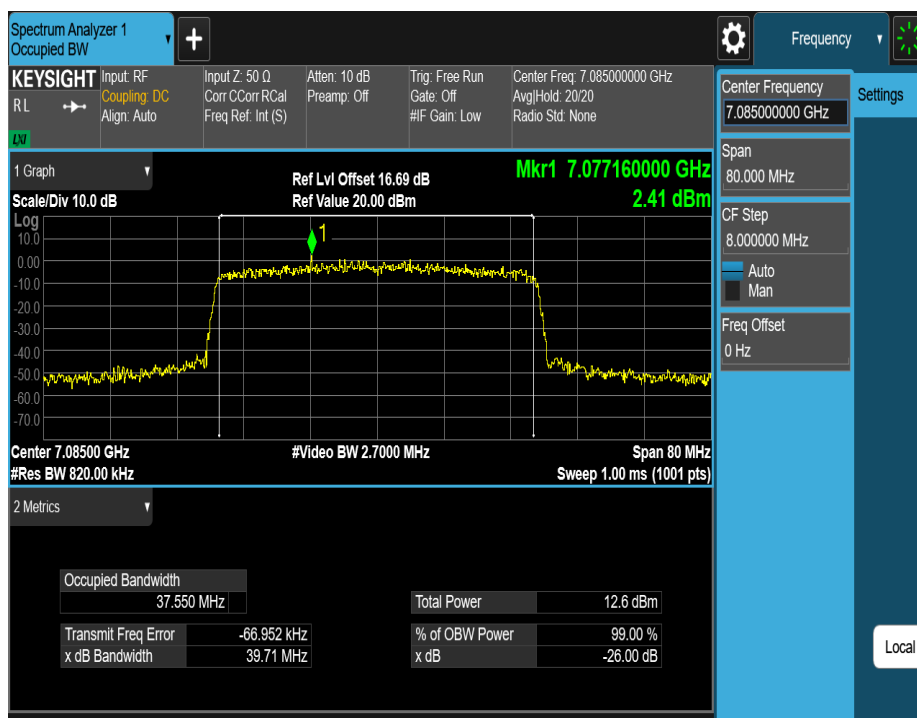
11AX40MIMO_Ant1_6965



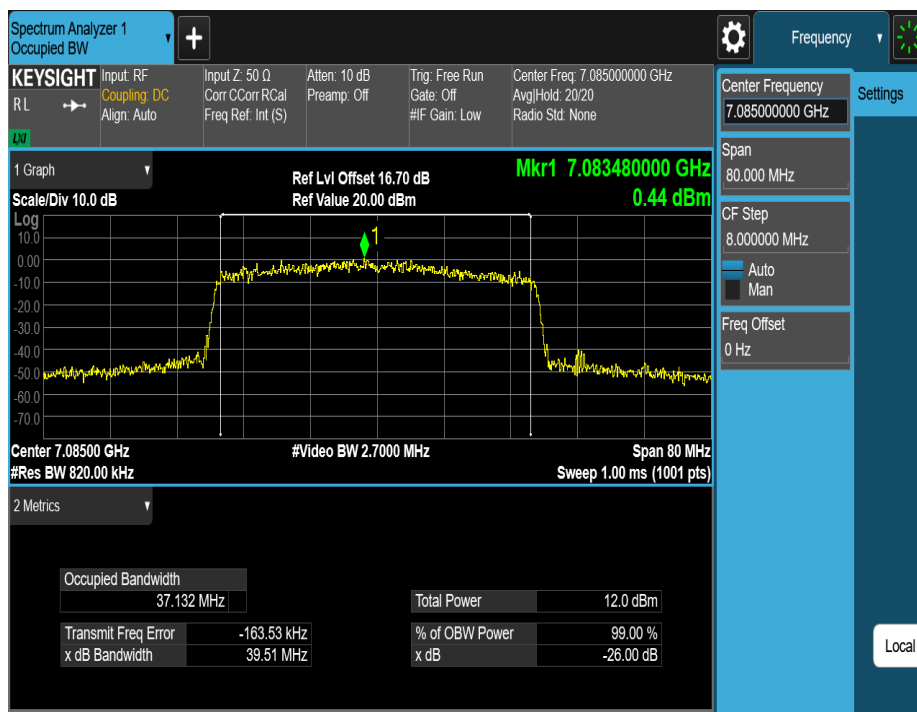
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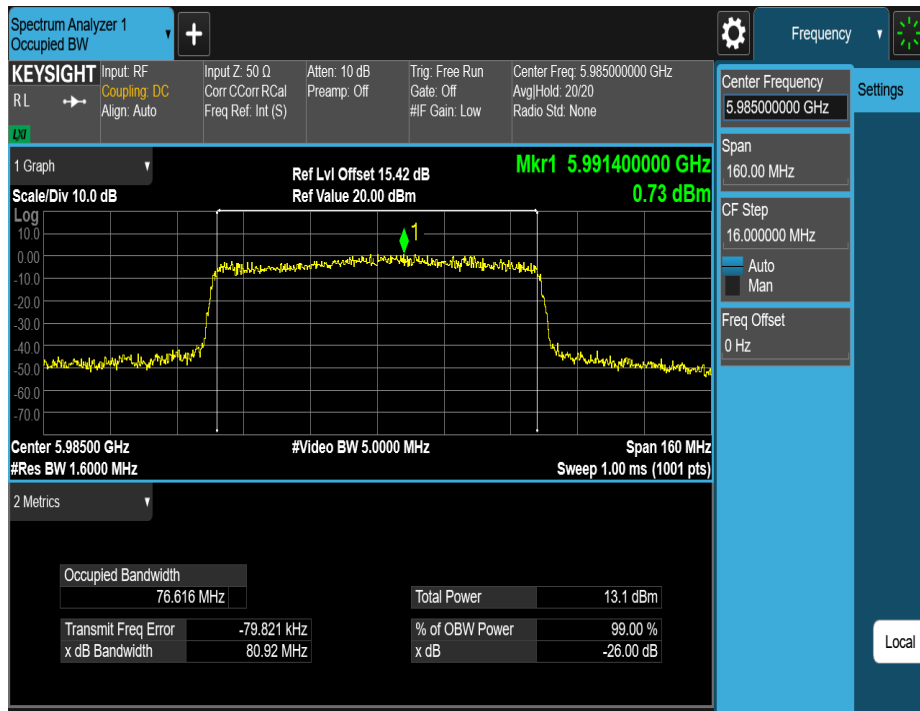
11AX40MIMO_Ant1_7085



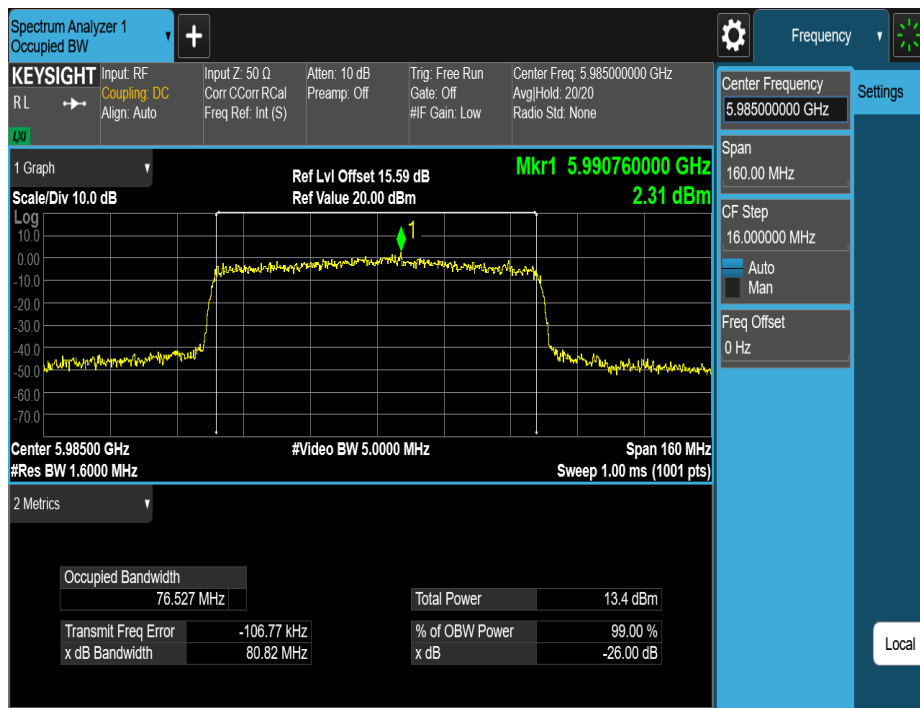
11AX40MIMO_Ant2_7085



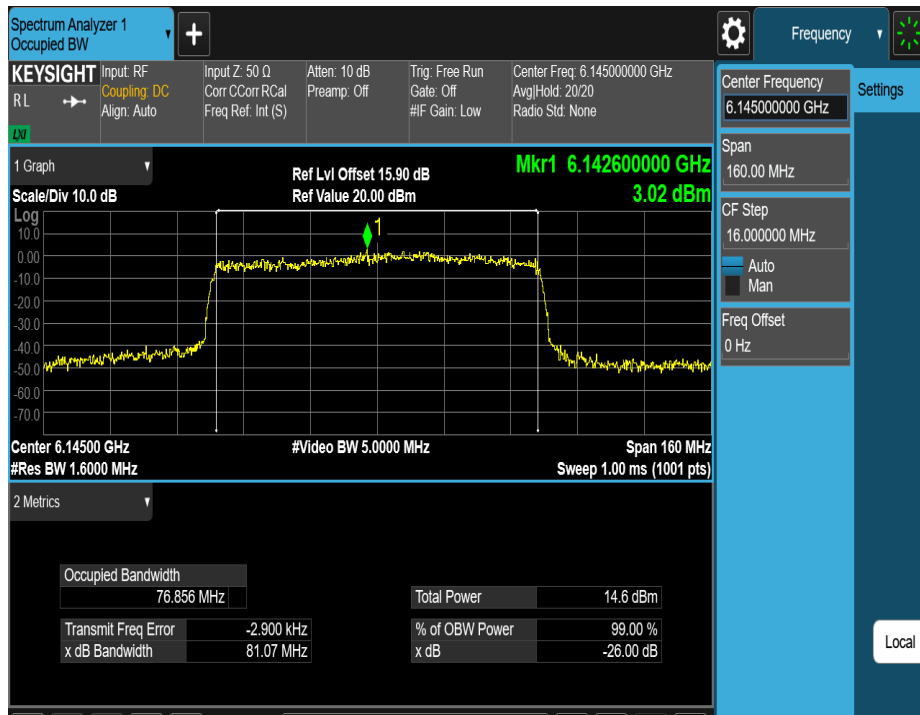
11AX80MIMO_Ant1_5985



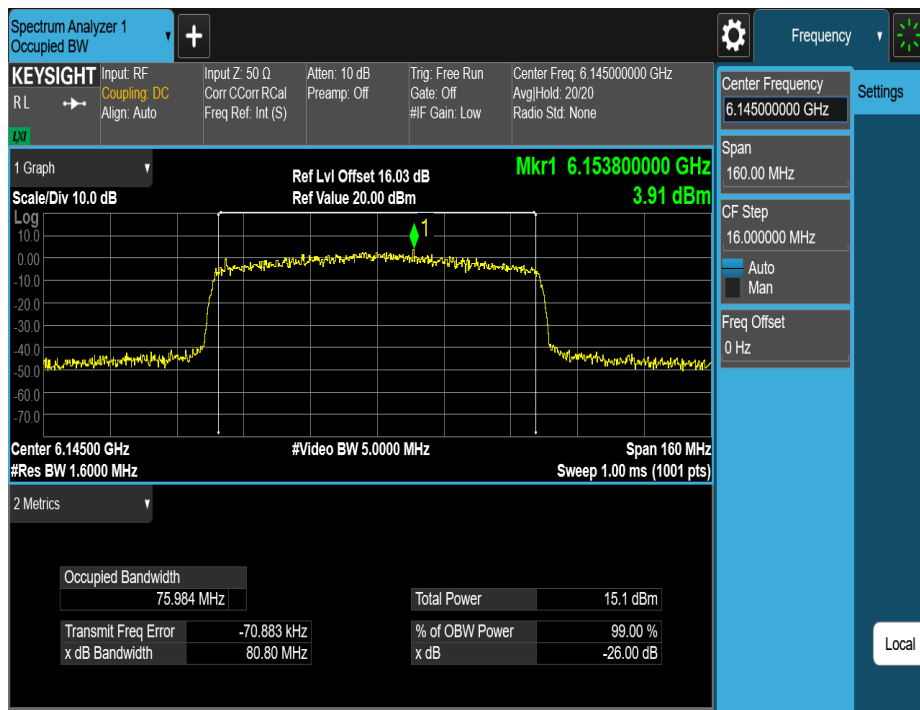
11AX80MIMO_Ant2_5985



11AX80MIMO_Ant1_6145



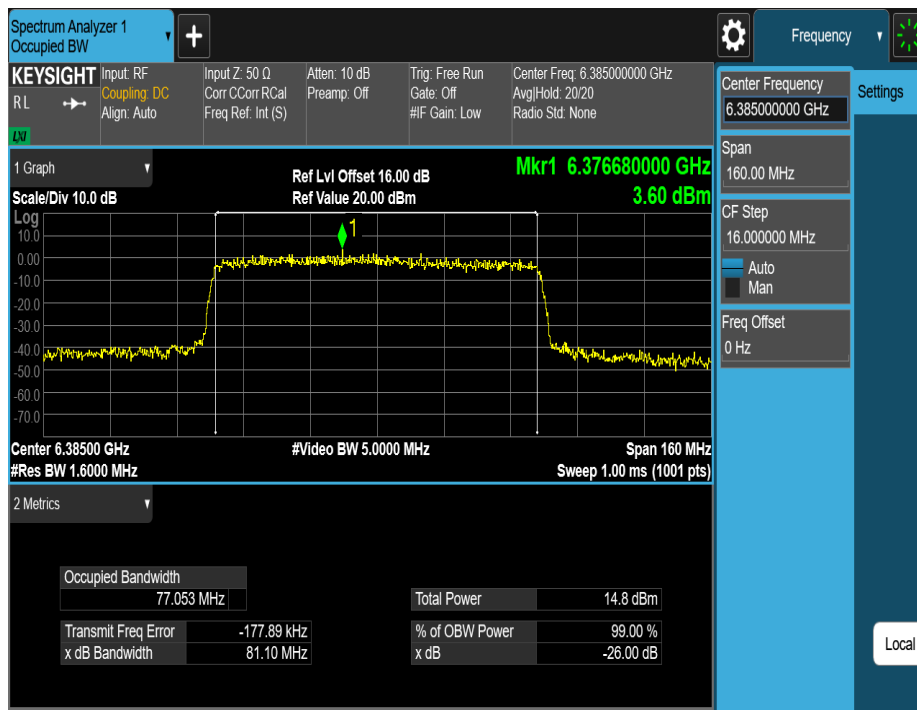
11AX80MIMO_Ant2_6145



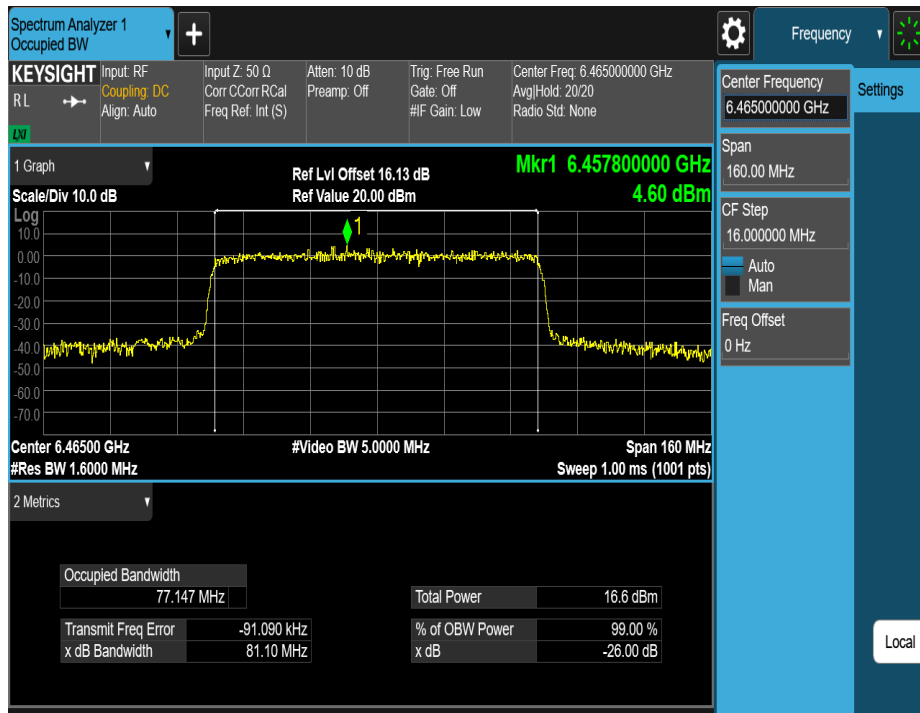
11AX80MIMO_Ant1_6385



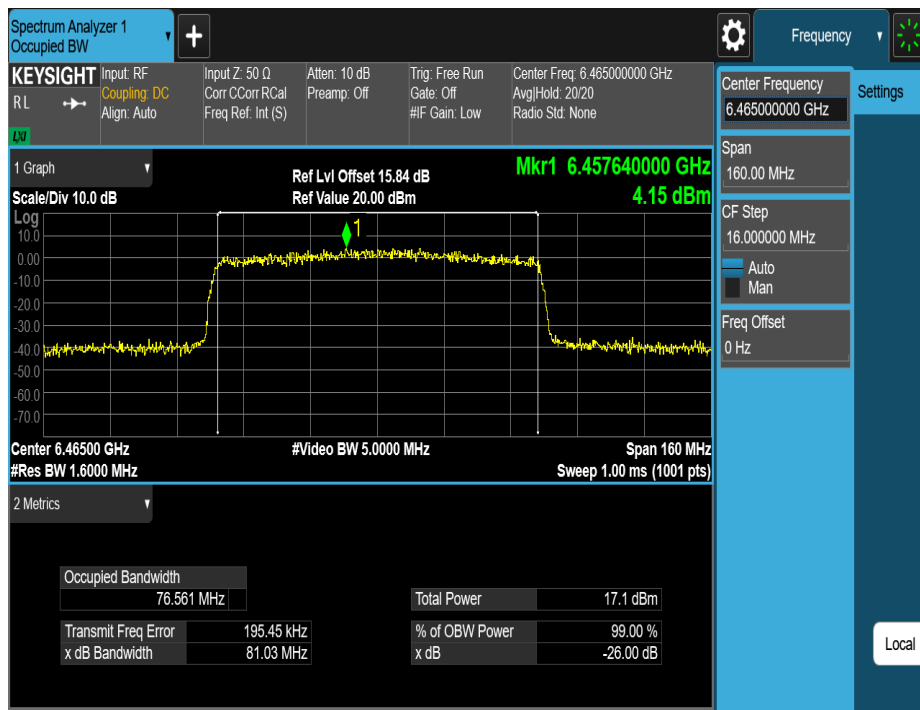
11AX80MIMO_Ant2_6385



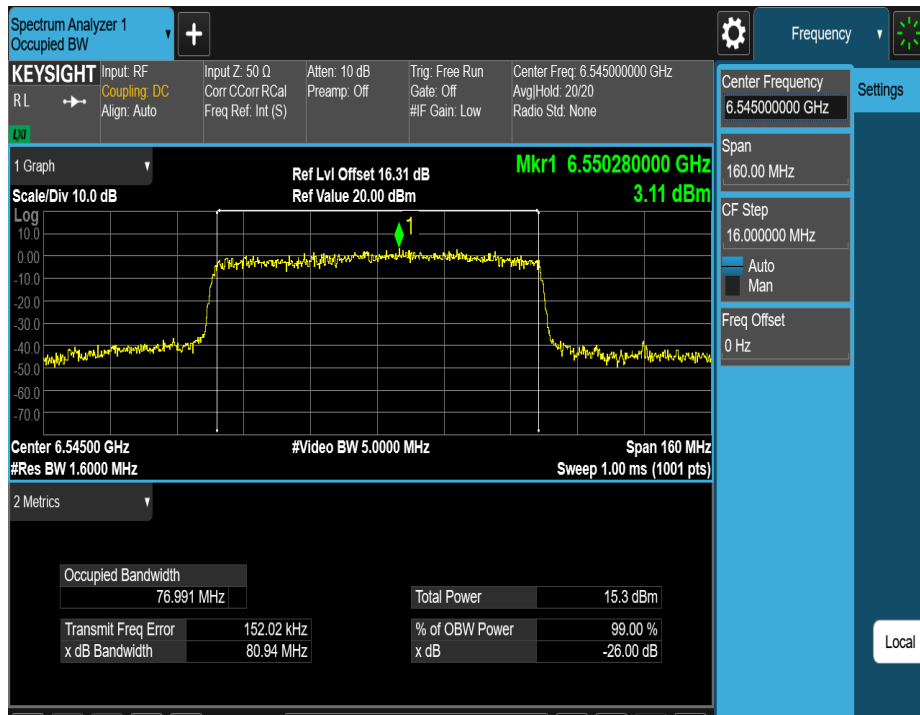
11AX80MIMO_Ant1_6465



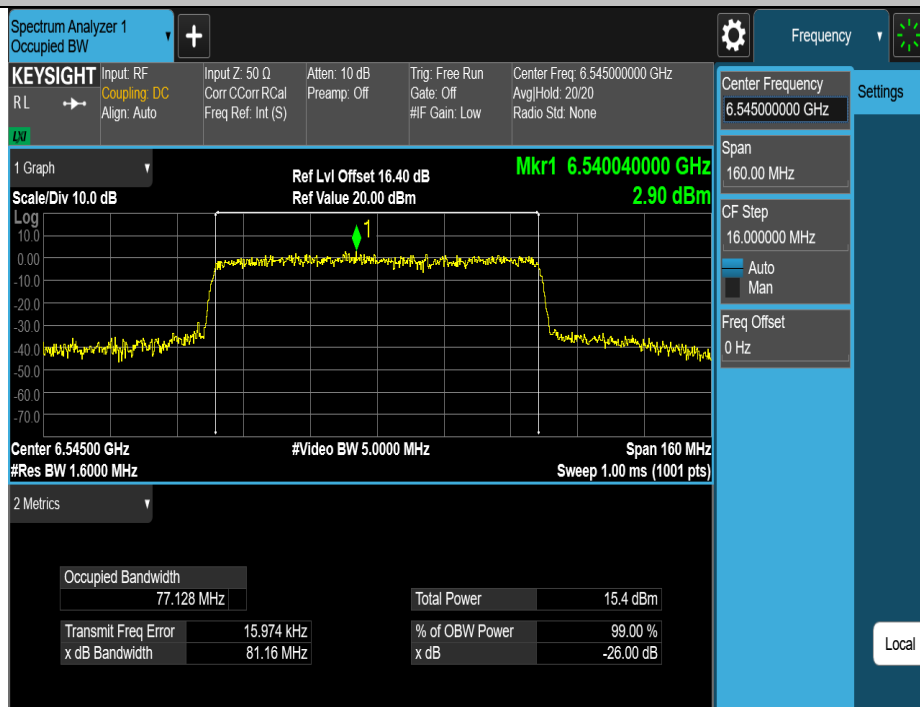
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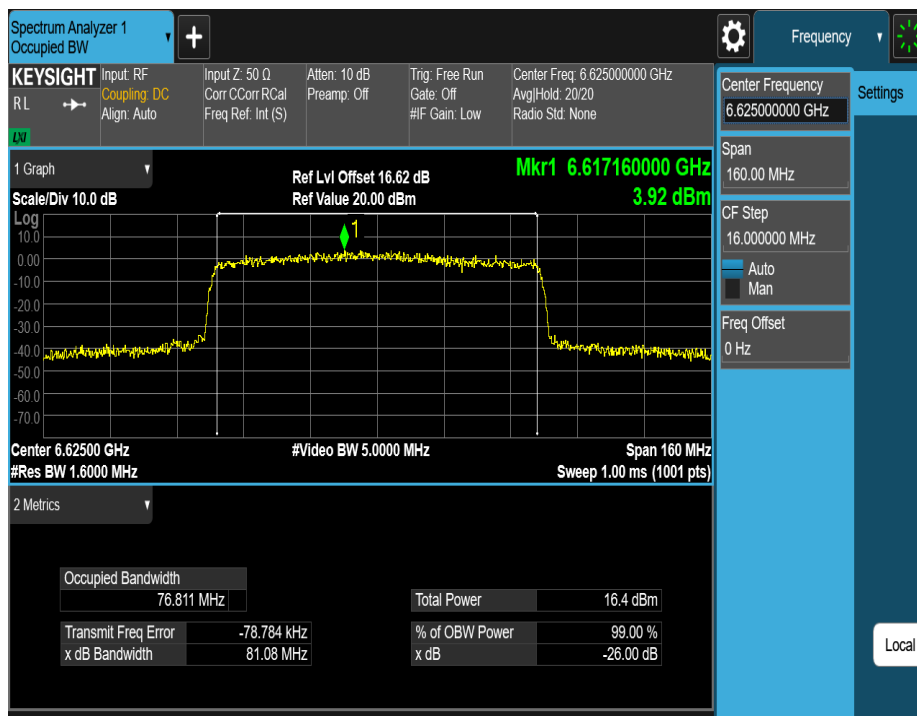
11AX80MIMO_Ant1_6545



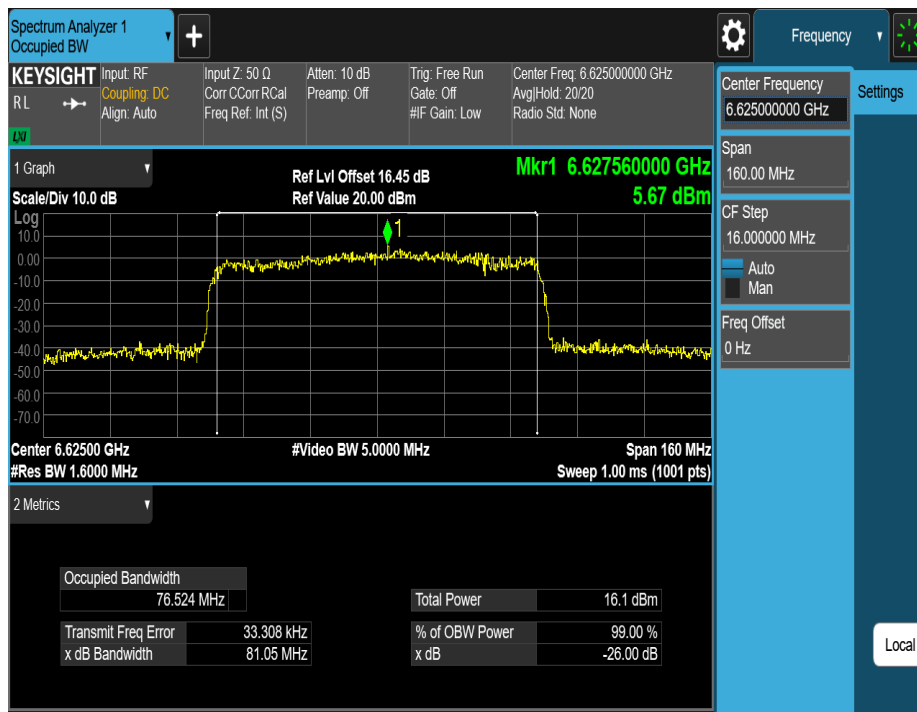
11AX80MIMO_Ant2_6545



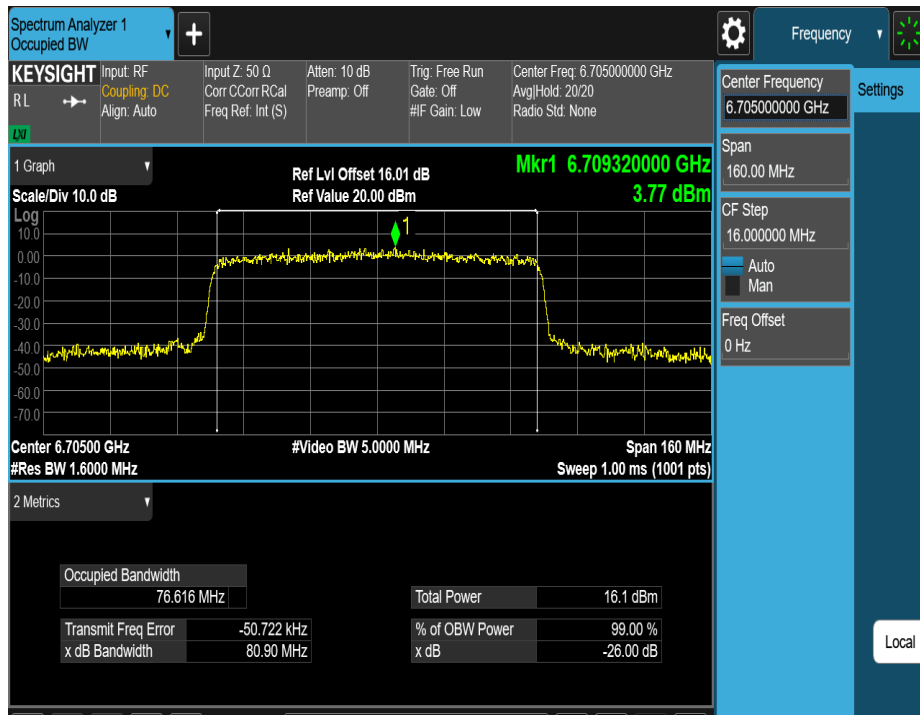
11AX80MIMO_Ant1_6625



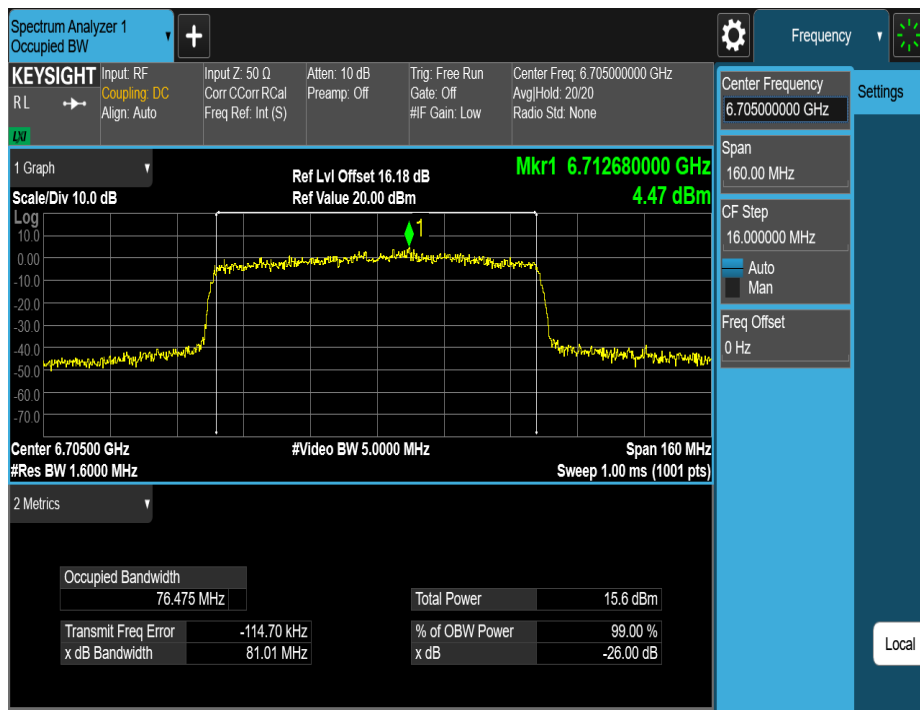
11AX80MIMO_Ant2_6625



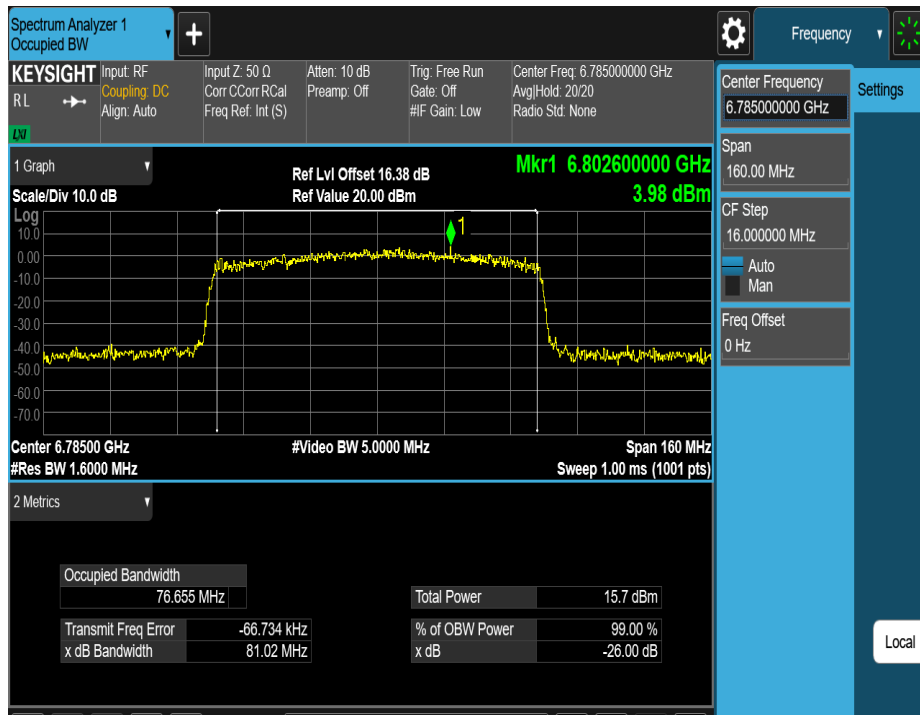
11AX80MIMO_Ant1_6705



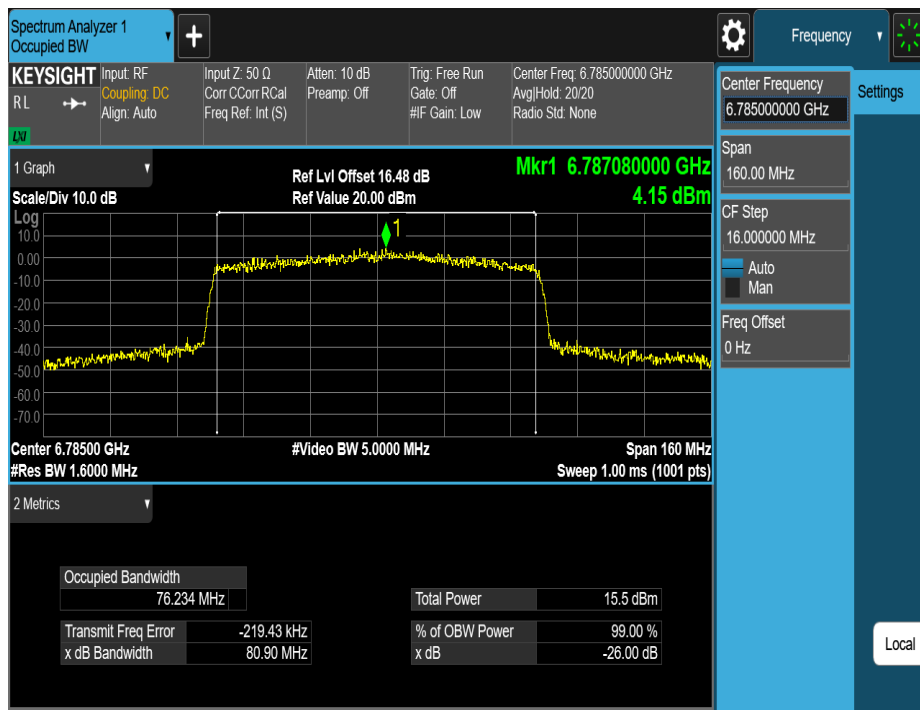
11AX80MIMO_Ant2_6705



11AX80MIMO_Ant1_6785



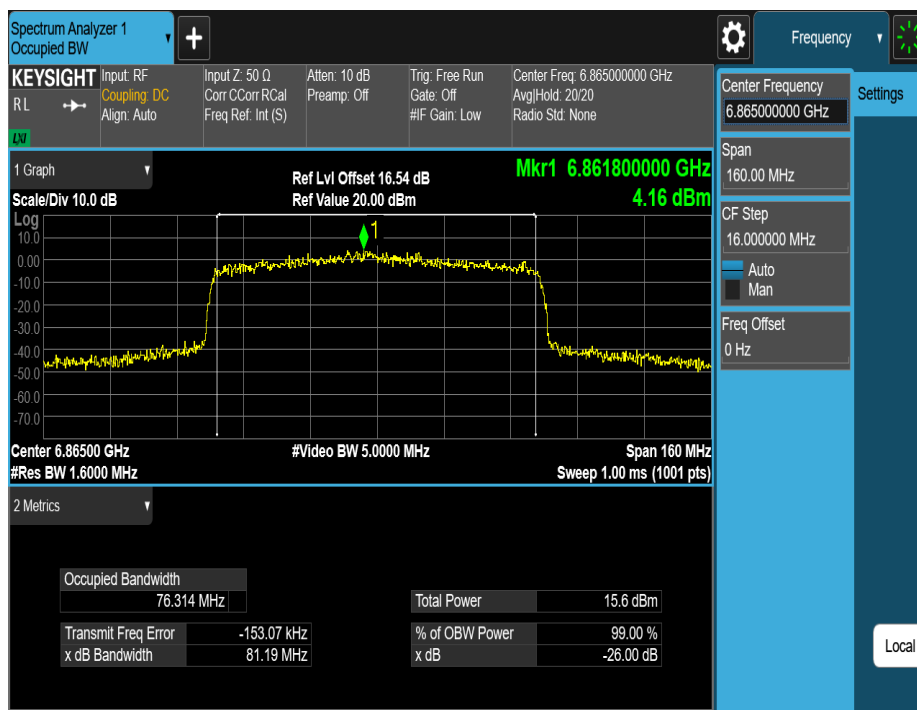
11AX80MIMO_Ant2_6785



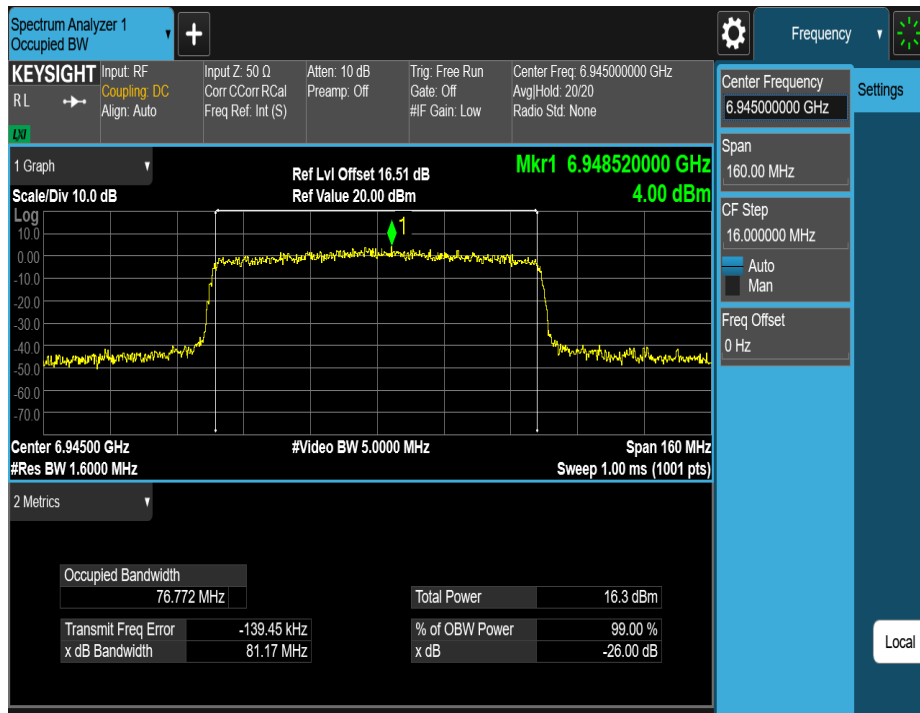
11AX80MIMO_Ant1_6865



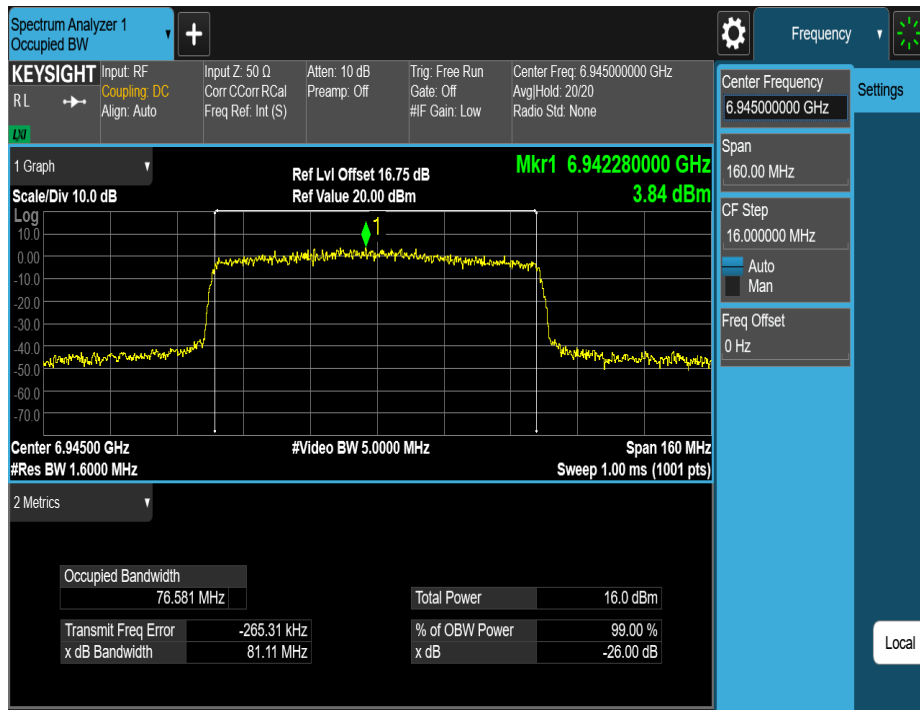
11AX80MIMO_Ant2_6865



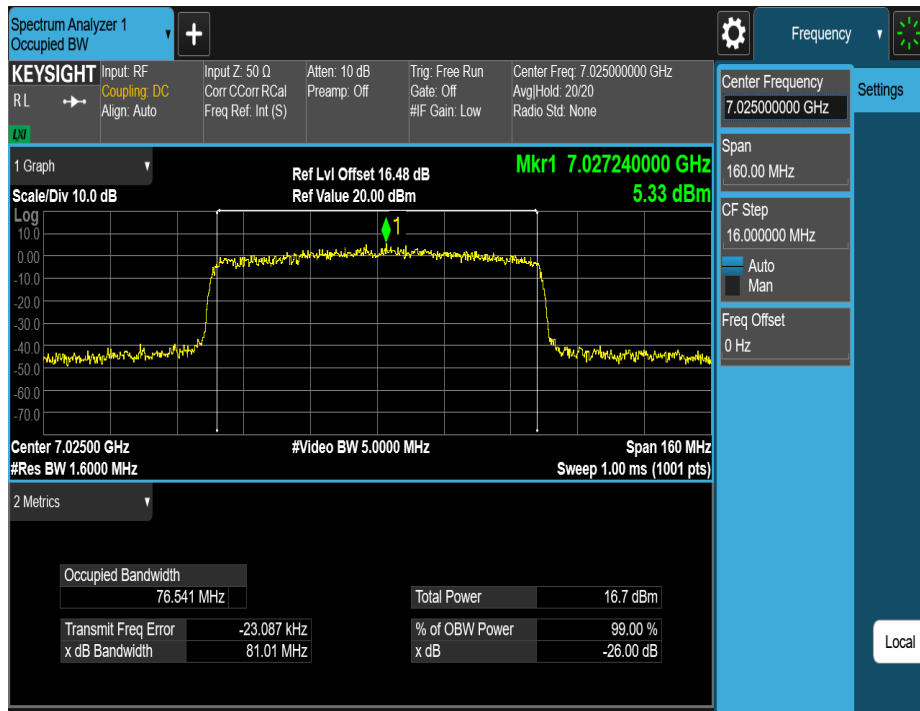
11AX80MIMO_Ant1_6945



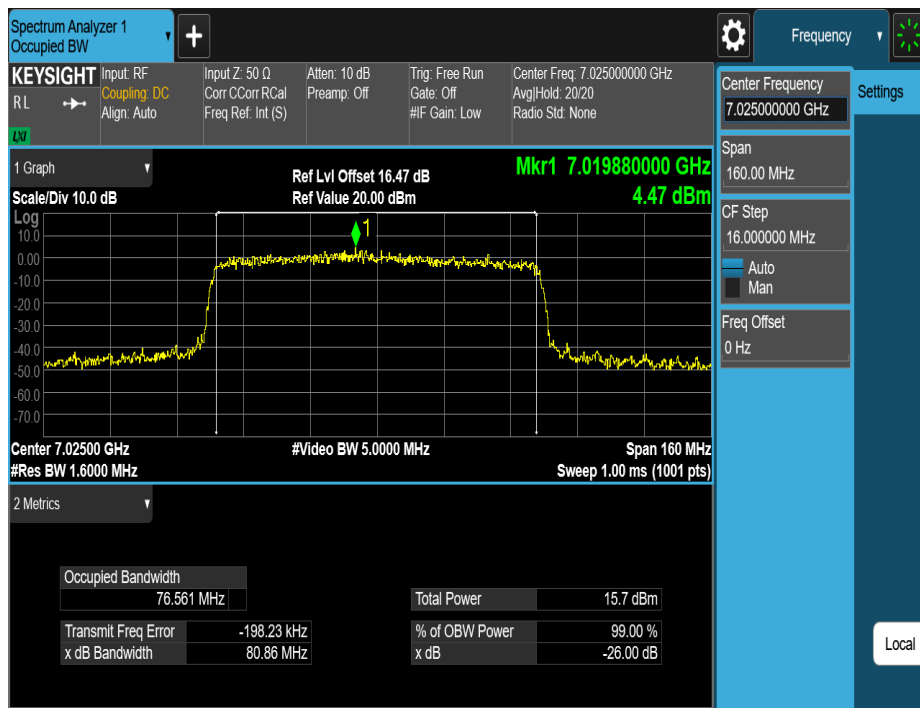
11AX80MIMO_Ant2_6945



11AX80MIMO_Ant1_7025



11AX80MIMO_Ant2_7025



3.2 Transmitter power

3.2.1 Limit

The following limits shall apply to low-power client devices:

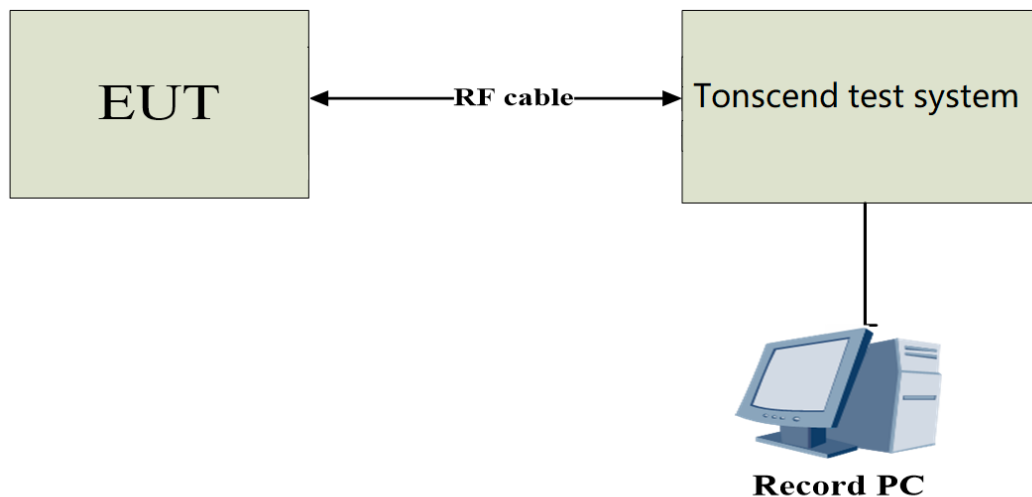
- the maximum e.i.r.p. spectral density shall not exceed -1 dBm/MHz and
- the maximum e.i.r.p. over the 5925-7125 MHz frequency band shall not exceed 24 dBm.

3.2.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

- The EUT was directly connected to the Tonscent test system.
- Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

3.2.3 Test Setup



3.2.4 Test Result

Test Mode	Antenna	Frequency [MHz]	Max. Conducted Output Power [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20MIMO	Ant1	5955	-1.31	3.60	2.29	≤24	PASS
11AX20MIMO	Ant2	5955	-1.22	3.50	2.28	≤24	PASS
11AX20MIMO	total	5955	1.75	6.56	8.31	≤24	PASS
11AX20MIMO	Ant1	6175	-2.57	3.60	1.03	≤24	PASS
11AX20MIMO	Ant2	6175	-1.95	3.50	1.55	≤24	PASS
11AX20MIMO	total	6175	0.76	6.56	7.32	≤24	PASS
11AX20MIMO	Ant1	6415	-1.67	3.60	1.93	≤24	PASS
11AX20MIMO	Ant2	6415	-2.53	3.50	0.97	≤24	PASS
11AX20MIMO	total	6415	0.93	6.56	7.49	≤24	PASS
11AX20MIMO	Ant1	6435	-2.61	3.60	0.99	≤24	PASS
11AX20MIMO	Ant2	6435	-2.51	3.50	0.99	≤24	PASS
11AX20MIMO	total	6435	0.45	6.56	7.01	≤24	PASS
11AX20MIMO	Ant1	6475	-2.02	3.60	1.58	≤24	PASS
11AX20MIMO	Ant2	6475	-2.74	3.50	0.76	≤24	PASS
11AX20MIMO	total	6475	0.65	6.56	7.21	≤24	PASS
11AX20MIMO	Ant1	6515	-1.68	3.60	1.92	≤24	PASS
11AX20MIMO	Ant2	6515	-2.10	3.50	1.40	≤24	PASS
11AX20MIMO	total	6515	1.13	6.56	7.69	≤24	PASS
11AX20MIMO	Ant1	6535	-2.21	3.60	1.39	≤24	PASS
11AX20MIMO	Ant2	6535	-2.60	3.50	0.90	≤24	PASS
11AX20MIMO	total	6535	0.61	6.56	7.17	≤24	PASS
11AX20MIMO	Ant1	6695	-2.55	3.60	1.05	≤24	PASS
11AX20MIMO	Ant2	6695	-2.28	3.50	1.22	≤24	PASS
11AX20MIMO	total	6695	0.60	6.56	7.16	≤24	PASS
11AX20MIMO	Ant1	6855	-3.34	3.60	0.26	≤24	PASS
11AX20MIMO	Ant2	6855	-2.03	3.50	1.47	≤24	PASS
11AX20MIMO	total	6855	0.37	6.56	6.93	≤24	PASS
11AX20MIMO	Ant1	6875	-2.59	3.60	1.01	≤24	PASS
11AX20MIMO	Ant2	6875	-0.85	3.50	2.65	≤24	PASS
11AX20MIMO	total	6875	1.38	6.56	7.94	≤24	PASS
11AX20MIMO	Ant1	6895	-2.84	3.60	0.76	≤24	PASS
11AX20MIMO	Ant2	6895	-0.48	3.50	3.02	≤24	PASS
11AX20MIMO	total	6895	1.51	6.56	8.07	≤24	PASS
11AX20MIMO	Ant1	6995	-2.23	3.60	1.37	≤24	PASS
11AX20MIMO	Ant2	6995	-0.86	3.50	2.64	≤24	PASS
11AX20MIMO	total	6995	1.52	6.56	8.08	≤24	PASS

11AX20MIMO	Ant1	7095	-3.29	3.60	0.31	≤24	PASS
11AX20MIMO	Ant2	7095	-1.28	3.50	2.22	≤24	PASS
11AX20MIMO	total	7095	0.84	6.56	7.40	≤24	PASS
11AX20MIMO	Ant1	7115	-2.51	3.60	1.09	≤24	PASS
11AX20MIMO	Ant2	7115	-1.19	3.50	2.31	≤24	PASS
11AX20MIMO	total	7115	1.21	6.56	7.77	≤24	PASS
11AX40MIMO	Ant1	5965	0.31	3.60	3.91	≤24	PASS
11AX40MIMO	Ant2	5965	-0.46	3.50	3.04	≤24	PASS
11AX40MIMO	total	5965	2.95	6.56	9.51	≤24	PASS
11AX40MIMO	Ant1	6165	-0.53	3.60	3.07	≤24	PASS
11AX40MIMO	Ant2	6165	-0.15	3.50	3.35	≤24	PASS
11AX40MIMO	total	6165	2.67	6.56	9.23	≤24	PASS
11AX40MIMO	Ant1	6405	-0.47	3.60	3.13	≤24	PASS
11AX40MIMO	Ant2	6405	-0.52	3.50	2.98	≤24	PASS
11AX40MIMO	total	6405	2.52	6.56	9.08	≤24	PASS
11AX40MIMO	Ant1	6445	-0.21	3.60	3.39	≤24	PASS
11AX40MIMO	Ant2	6445	-0.28	3.50	3.22	≤24	PASS
11AX40MIMO	total	6445	2.77	6.56	9.33	≤24	PASS
11AX40MIMO	Ant1	6485	-0.91	3.60	2.69	≤24	PASS
11AX40MIMO	Ant2	6485	0.16	3.50	3.66	≤24	PASS
11AX40MIMO	total	6485	2.67	6.56	9.23	≤24	PASS
11AX40MIMO	Ant1	6525	-0.39	3.60	3.21	≤24	PASS
11AX40MIMO	Ant2	6525	-0.28	3.50	3.22	≤24	PASS
11AX40MIMO	total	6525	2.68	6.56	9.24	≤24	PASS
11AX40MIMO	Ant1	6565	0.67	3.60	4.27	≤24	PASS
11AX40MIMO	Ant2	6565	0.40	3.50	3.90	≤24	PASS
11AX40MIMO	total	6565	3.55	6.56	10.11	≤24	PASS
11AX40MIMO	Ant1	6685	-0.53	3.60	3.07	≤24	PASS
11AX40MIMO	Ant2	6685	0.33	3.50	3.83	≤24	PASS
11AX40MIMO	total	6685	2.93	6.56	9.49	≤24	PASS
11AX40MIMO	Ant1	6845	-1.07	3.60	2.53	≤24	PASS
11AX40MIMO	Ant2	6845	-0.43	3.50	3.07	≤24	PASS
11AX40MIMO	total	6845	2.27	6.56	8.83	≤24	PASS
11AX40MIMO	Ant1	6885	-0.54	3.60	3.06	≤24	PASS
11AX40MIMO	Ant2	6885	-0.10	3.50	3.40	≤24	PASS
11AX40MIMO	total	6885	2.70	6.56	9.26	≤24	PASS
11AX40MIMO	Ant1	6925	0.07	3.60	3.67	≤24	PASS
11AX40MIMO	Ant2	6925	-0.16	3.50	3.34	≤24	PASS
11AX40MIMO	total	6925	2.97	6.56	9.53	≤24	PASS
11AX40MIMO	Ant1	6965	0.01	3.60	3.61	≤24	PASS
11AX40MIMO	Ant2	6965	0.28	3.50	3.78	≤24	PASS
11AX40MIMO	total	6965	3.16	6.56	9.72	≤24	PASS

11AX40MIMO	Ant1	7085	-0.28	3.60	3.32	≤24	PASS
11AX40MIMO	Ant2	7085	0.53	3.50	4.03	≤24	PASS
11AX40MIMO	total	7085	3.15	6.56	9.71	≤24	PASS
11AX80MIMO	Ant1	5985	3.38	3.60	6.98	≤24	PASS
11AX80MIMO	Ant2	5985	2.99	3.50	6.49	≤24	PASS
11AX80MIMO	total	5985	6.20	6.56	12.76	≤24	PASS
11AX80MIMO	Ant1	6145	3.11	3.60	6.71	≤24	PASS
11AX80MIMO	Ant2	6145	3.25	3.50	6.75	≤24	PASS
11AX80MIMO	total	6145	6.19	6.56	12.75	≤24	PASS
11AX80MIMO	Ant1	6385	3.66	3.60	7.26	≤24	PASS
11AX80MIMO	Ant2	6385	3.30	3.50	6.80	≤24	PASS
11AX80MIMO	total	6385	6.49	6.56	13.05	≤24	PASS
11AX80MIMO	Ant1	6465	3.68	3.60	7.28	≤24	PASS
11AX80MIMO	Ant2	6465	3.12	3.50	6.62	≤24	PASS
11AX80MIMO	total	6465	6.42	6.56	12.98	≤24	PASS
11AX80MIMO	Ant1	6545	3.17	3.60	6.77	≤24	PASS
11AX80MIMO	Ant2	6545	3.68	3.50	7.18	≤24	PASS
11AX80MIMO	total	6545	6.44	6.56	13.00	≤24	PASS
11AX80MIMO	Ant1	6625	2.70	3.60	6.30	≤24	PASS
11AX80MIMO	Ant2	6625	2.92	3.50	6.42	≤24	PASS
11AX80MIMO	total	6625	5.82	6.56	12.38	≤24	PASS
11AX80MIMO	Ant1	6705	2.68	3.60	6.28	≤24	PASS
11AX80MIMO	Ant2	6705	3.44	3.50	6.94	≤24	PASS
11AX80MIMO	total	6705	6.09	6.56	12.65	≤24	PASS
11AX80MIMO	Ant1	6785	2.85	3.60	6.45	≤24	PASS
11AX80MIMO	Ant2	6785	3.44	3.50	6.94	≤24	PASS
11AX80MIMO	total	6785	6.17	6.56	12.73	≤24	PASS
11AX80MIMO	Ant1	6865	2.61	3.60	6.21	≤24	PASS
11AX80MIMO	Ant2	6865	3.39	3.50	6.89	≤24	PASS
11AX80MIMO	total	6865	6.03	6.56	12.59	≤24	PASS
11AX80MIMO	Ant1	6945	2.63	3.60	6.23	≤24	PASS
11AX80MIMO	Ant2	6945	3.57	3.50	7.07	≤24	PASS
11AX80MIMO	total	6945	6.14	6.56	12.70	≤24	PASS
11AX80MIMO	Ant1	7025	2.80	3.60	6.40	≤24	PASS
11AX80MIMO	Ant2	7025	3.14	3.50	6.64	≤24	PASS
11AX80MIMO	total	7025	5.98	6.56	12.54	≤24	PASS

Note: All parameters have been taken into account, including antenna gain and duty cycle calculation coefficients.

Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi

If transmit signals are correlated, then Directional gain = $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

[Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

Directional gain = $10 \log[(10^{3.6/20} + 10^{3.5/20})^2 / N_{ANT}]$ dBi=6.56 dBi

3.3 Power Spectral Density Measurement

3.3.1 Limit

The following limits shall apply to standard client devices:

- a. the maximum e.i.r.p. spectral density shall not exceed -1dBm/MHz.

3.3.2 Test Procedure

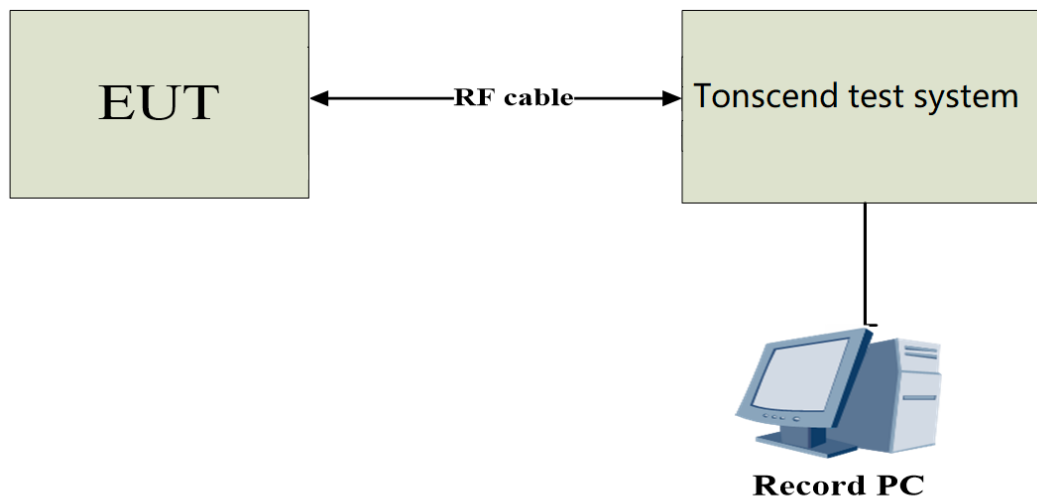
Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

The EUT was directly connected to the tonscend test system

3.3.3 Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add $10 \cdot \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \cdot \log(1/0.25) = 6 \text{ dB}$ if the duty cycle is 25 percent

3.3.4 Test Setup



3.3.5 Result

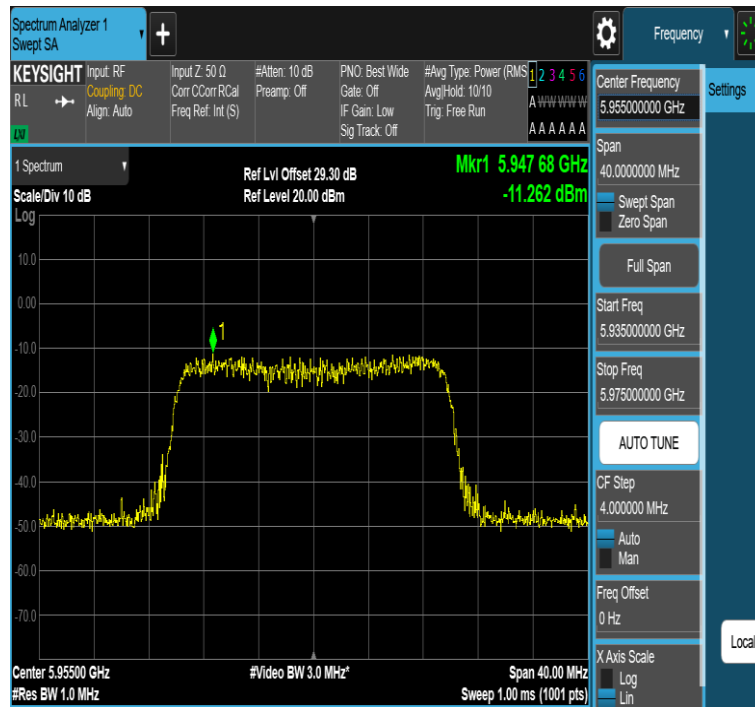
Test Mode	Antenna	Channel	The conducted e.i.r.p. spectral density [dBm/MHz]	Gain [dBi]	The maximum e.i.r.p. spectral density [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20MIMO	Ant1	5955	-11.26	3.60	-7.66	≤-1	PASS
11AX20MIMO	Ant2	5955	-10.64	3.50	-7.14	≤-1	PASS
11AX20MIMO	total	5955	-7.93	6.56	-1.37	≤-1	PASS
11AX20MIMO	Ant1	6175	-11.10	3.60	-7.50	≤-1	PASS
11AX20MIMO	Ant2	6175	-11.74	3.50	-8.24	≤-1	PASS
11AX20MIMO	total	6175	-8.40	6.56	-1.84	≤-1	PASS
11AX20MIMO	Ant1	6415	-10.27	3.60	-6.67	≤-1	PASS
11AX20MIMO	Ant2	6415	-11.87	3.50	-8.37	≤-1	PASS
11AX20MIMO	total	6415	-7.99	6.56	-1.43	≤-1	PASS
11AX20MIMO	Ant2	6435	-11.35	3.60	-7.75	≤-1	PASS
11AX20MIMO	total	6435	-8.40	3.50	-4.9	≤-1	PASS
11AX20MIMO	Ant1	6435	-11.48	6.56	-4.92	≤-1	PASS
11AX20MIMO	Ant1	6475	-10.1	3.60	-6.50	≤-1	PASS
11AX20MIMO	Ant2	6475	-12.39	3.50	-8.89	≤-1	PASS
11AX20MIMO	total	6475	-8.09	6.56	-1.53	≤-1	PASS
11AX20MIMO	Ant1	6515	-11.93	3.60	-8.33	≤-1	PASS
11AX20MIMO	Ant2	6515	-10.97	3.50	-7.47	≤-1	PASS
11AX20MIMO	total	6515	-8.41	6.56	-1.85	≤-1	PASS
11AX20MIMO	Ant1	6535	-11.21	3.60	-7.61	≤-1	PASS
11AX20MIMO	Ant2	6535	-11.65	3.50	-8.15	≤-1	PASS
11AX20MIMO	total	6535	-8.41	6.56	-1.85	≤-1	PASS
11AX20MIMO	Ant1	6695	-10.91	3.60	-7.31	≤-1	PASS
11AX20MIMO	Ant2	6695	-11.11	3.50	-7.61	≤-1	PASS
11AX20MIMO	total	6695	-8.00	6.56	-1.44	≤-1	PASS
11AX20MIMO	Ant1	6855	-12.54	3.60	-8.94	≤-1	PASS
11AX20MIMO	Ant2	6855	-9.97	3.50	-6.47	≤-1	PASS
11AX20MIMO	total	6855	-8.06	6.56	-1.50	≤-1	PASS
11AX20MIMO	Ant1	6875	-11.71	3.60	-8.11	≤-1	PASS
11AX20MIMO	Ant2	6875	-10.27	3.50	-6.77	≤-1	PASS
11AX20MIMO	total	6875	-7.92	6.56	-1.36	≤-1	PASS
11AX20MIMO	Ant2	6895	-10.30	3.60	-6.70	≤-1	PASS
11AX20MIMO	total	6895	-7.90	3.50	-4.4	≤-1	PASS
11AX20MIMO	Ant1	6895	-11.62	6.56	-5.06	≤-1	PASS
11AX20MIMO	Ant1	6995	-11.36	3.60	-7.76	≤-1	PASS
11AX20MIMO	Ant2	6995	-10.44	3.50	-6.94	≤-1	PASS
11AX20MIMO	total	6995	-7.87	6.56	-1.31	≤-1	PASS

11AX20MIMO	Ant1	7095	-12.06	3.60	-8.46	≤-1	PASS
11AX20MIMO	Ant2	7095	-10.17	3.50	-6.67	≤-1	PASS
11AX20MIMO	total	7095	-8.00	6.56	-1.44	≤-1	PASS
11AX20MIMO	Ant1	7115	-5.26	3.60	-1.66	≤-1	PASS
11AX20MIMO	Ant2	7115	-6.13	3.50	-2.63	≤-1	PASS
11AX20MIMO	total	7115	-2.66	6.56	3.9	≤-1	PASS
11AX40MIMO	Ant1	5965	-10.64	3.60	-7.04	≤-1	PASS
11AX40MIMO	Ant2	5965	-11.41	3.50	-7.91	≤-1	PASS
11AX40MIMO	total	5965	-8.00	6.56	-1.44	≤-1	PASS
11AX40MIMO	Ant1	6165	-10.87	3.60	-7.27	≤-1	PASS
11AX40MIMO	Ant2	6165	-10.79	3.50	-7.29	≤-1	PASS
11AX40MIMO	total	6165	-7.82	6.56	-1.26	≤-1	PASS
11AX40MIMO	Ant1	6405	-11.26	3.60	-7.66	≤-1	PASS
11AX40MIMO	Ant2	6405	-11.36	3.50	-7.86	≤-1	PASS
11AX40MIMO	total	6405	-8.30	6.56	-1.74	≤-1	PASS
11AX40MIMO	Ant1	6445	-10.71	3.60	-7.11	≤-1	PASS
11AX40MIMO	Ant2	6445	-11.51	3.50	-8.01	≤-1	PASS
11AX40MIMO	total	6445	-8.08	6.56	-1.52	≤-1	PASS
11AX40MIMO	Ant1	6485	-11.36	3.60	-7.76	≤-1	PASS
11AX40MIMO	Ant2	6485	-10.85	3.50	-7.35	≤-1	PASS
11AX40MIMO	total	6485	-8.09	6.56	-1.53	≤-1	PASS
11AX40MIMO	Ant1	6525	-12.93	3.60	-9.33	≤-1	PASS
11AX40MIMO	Ant2	6525	-10.64	3.50	-7.14	≤-1	PASS
11AX40MIMO	total	6525	-8.63	6.56	-2.07	≤-1	PASS
11AX40MIMO	Ant1	6565	-10.84	3.60	-7.24	≤-1	PASS
11AX40MIMO	Ant2	6565	-11.02	3.50	-7.52	≤-1	PASS
11AX40MIMO	total	6565	-7.92	6.56	-1.36	≤-1	PASS
11AX40MIMO	Ant1	6685	-11.84	3.60	-8.24	≤-1	PASS
11AX40MIMO	Ant2	6685	-11.19	3.50	-7.69	≤-1	PASS
11AX40MIMO	total	6685	-8.49	6.56	-1.93	≤-1	PASS
11AX40MIMO	Ant1	6845	-11.73	3.60	-8.13	≤-1	PASS
11AX40MIMO	Ant2	6845	-11.96	3.50	-8.46	≤-1	PASS
11AX40MIMO	total	6845	-8.83	6.56	-2.27	≤-1	PASS
11AX40MIMO	Ant1	6885	-10.14	3.60	-6.54	≤-1	PASS
11AX40MIMO	Ant2	6885	-11.51	3.50	-8.01	≤-1	PASS
11AX40MIMO	total	6885	-7.76	6.56	-1.2	≤-1	PASS
11AX40MIMO	Ant1	6925	-12.01	3.60	-8.41	≤-1	PASS
11AX40MIMO	Ant2	6925	-10.84	3.50	-7.34	≤-1	PASS
11AX40MIMO	total	6925	-8.38	6.56	-1.82	≤-1	PASS
11AX40MIMO	Ant1	6965	-11.35	3.60	-7.75	≤-1	PASS
11AX40MIMO	Ant2	6965	-11.24	3.50	-7.74	≤-1	PASS
11AX40MIMO	total	6965	-8.28	6.56	-1.72	≤-1	PASS

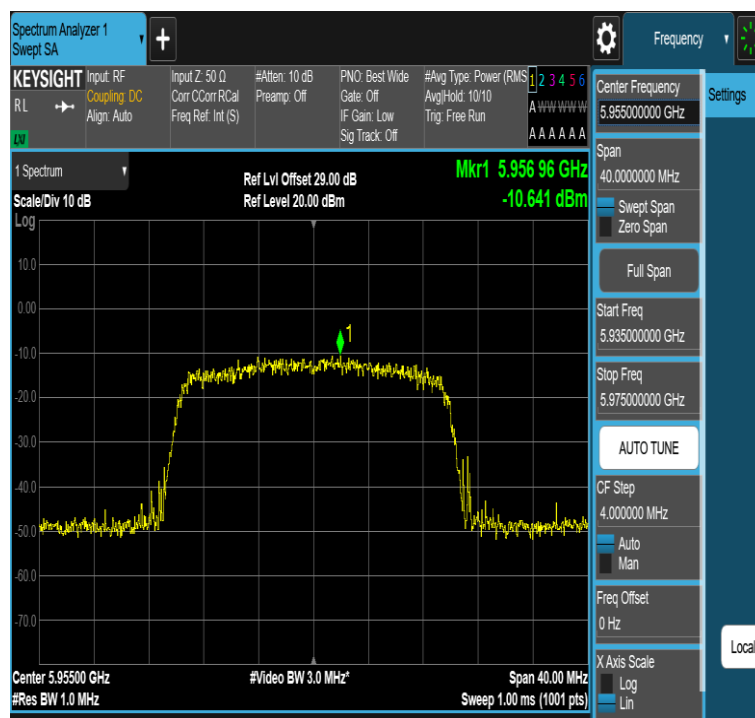
11AX40MIMO	Ant2	7085	-11.32	3.60	-7.72	≤-1	PASS
11AX40MIMO	total	7085	-7.66	3.50	-4.16	≤-1	PASS
11AX40MIMO	Ant1	7085	-10.1	6.56	-3.54	≤-1	PASS
11AX80MIMO	Ant1	5985	-11.39	3.60	-7.79	≤-1	PASS
11AX80MIMO	Ant2	5985	-10.85	3.50	-7.35	≤-1	PASS
11AX80MIMO	total	5985	-8.10	6.56	-1.54	≤-1	PASS
11AX80MIMO	Ant1	6145	-11.16	3.60	-7.56	≤-1	PASS
11AX80MIMO	Ant2	6145	-10.86	3.50	-7.36	≤-1	PASS
11AX80MIMO	total	6145	-8.00	6.56	-1.44	≤-1	PASS
11AX80MIMO	Ant1	6385	-10.32	3.60	-6.72	≤-1	PASS
11AX80MIMO	Ant2	6385	-11.65	3.50	-8.15	≤-1	PASS
11AX80MIMO	total	6385	-7.92	6.56	-1.36	≤-1	PASS
11AX80MIMO	Ant2	6465	-10.63	3.60	-7.03	≤-1	PASS
11AX80MIMO	total	6465	-7.78	3.50	-4.28	≤-1	PASS
11AX80MIMO	Ant1	6465	-10.96	6.56	-4.4	≤-1	PASS
11AX80MIMO	Ant1	6545	-10.63	3.60	-7.03	≤-1	PASS
11AX80MIMO	Ant2	6545	-10.83	3.50	-7.33	≤-1	PASS
11AX80MIMO	total	6545	-7.72	6.56	-1.16	≤-1	PASS
11AX80MIMO	Ant1	6625	-11.26	3.60	-7.66	≤-1	PASS
11AX80MIMO	Ant2	6625	-10.6	3.50	-7.1	≤-1	PASS
11AX80MIMO	total	6625	-7.91	6.56	-1.35	≤-1	PASS
11AX80MIMO	Ant1	6705	-10.88	3.60	-7.28	≤-1	PASS
11AX80MIMO	Ant2	6705	-10.58	3.50	-7.08	≤-1	PASS
11AX80MIMO	total	6705	-7.72	6.56	-1.16	≤-1	PASS
11AX80MIMO	Ant1	6785	-10.81	3.60	-7.21	≤-1	PASS
11AX80MIMO	Ant2	6785	-11.55	3.50	-8.05	≤-1	PASS
11AX80MIMO	total	6785	-8.15	6.56	-1.59	≤-1	PASS
11AX80MIMO	Ant1	6865	-10.71	3.60	-7.11	≤-1	PASS
11AX80MIMO	Ant2	6865	-11.54	3.50	-8.04	≤-1	PASS
11AX80MIMO	total	6865	-8.09	6.56	-1.53	≤-1	PASS
11AX80MIMO	Ant1	6945	-11.47	3.60	-7.87	≤-1	PASS
11AX80MIMO	total	6945	-8.17	3.50	-4.67	≤-1	PASS
11AX80MIMO	Ant2	6945	-10.91	6.56	-4.35	≤-1	PASS
11AX80MIMO	Ant1	7025	-10.92	3.60	-7.32	≤-1	PASS
11AX80MIMO	Ant2	7025	-11.1	3.50	-7.6	≤-1	PASS
11AX80MIMO	total	7025	-8.00	6.56	-1.44	≤-1	PASS

Note: The Duty Cycle Factor is compensated in the graph.

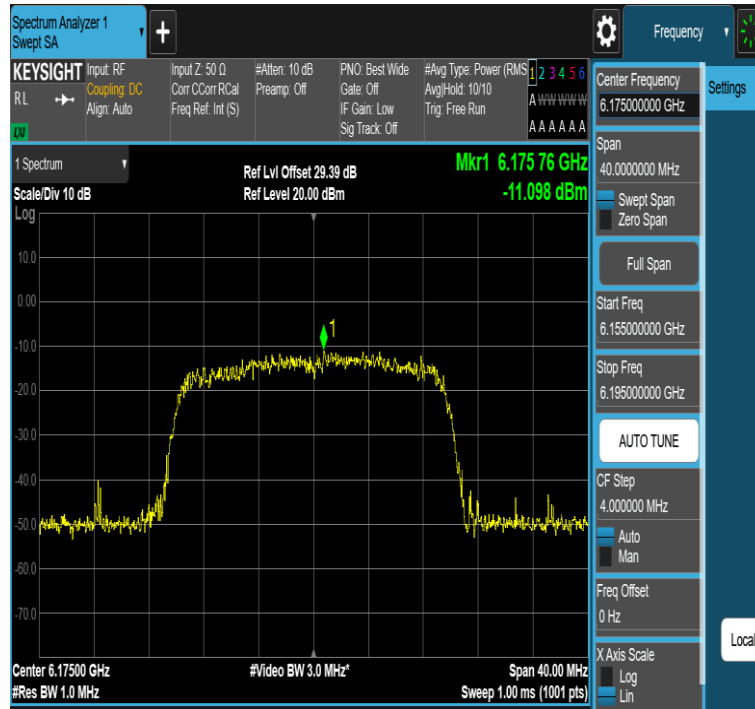
Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi
If transmit signals are correlated, then Directional gain = $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi
[Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]
Directional gain = $10 \log[(10^{3.6/20} + 10^{3.5/20})^2 / N_{ANT}]$ dBi=6.56 dBi



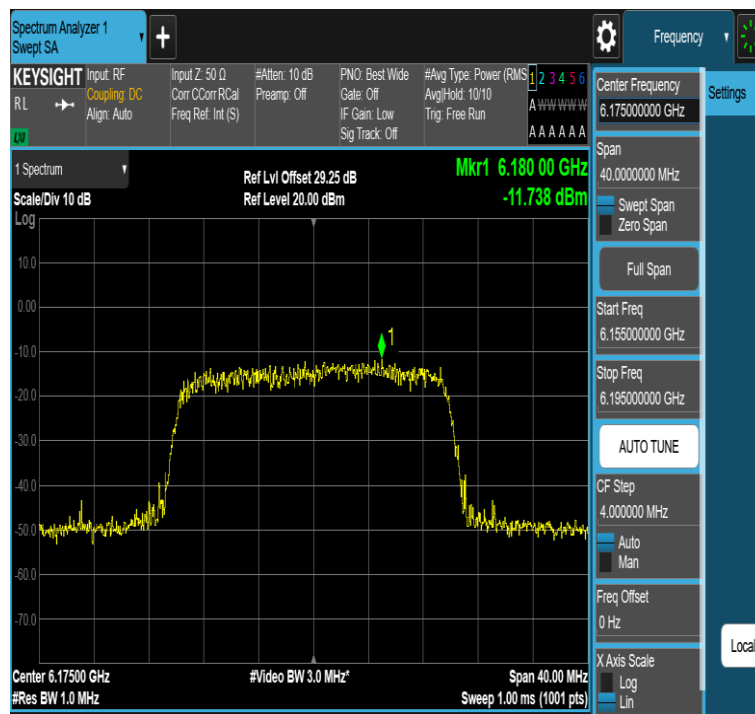
11AX20MIMO-Ant1-5955



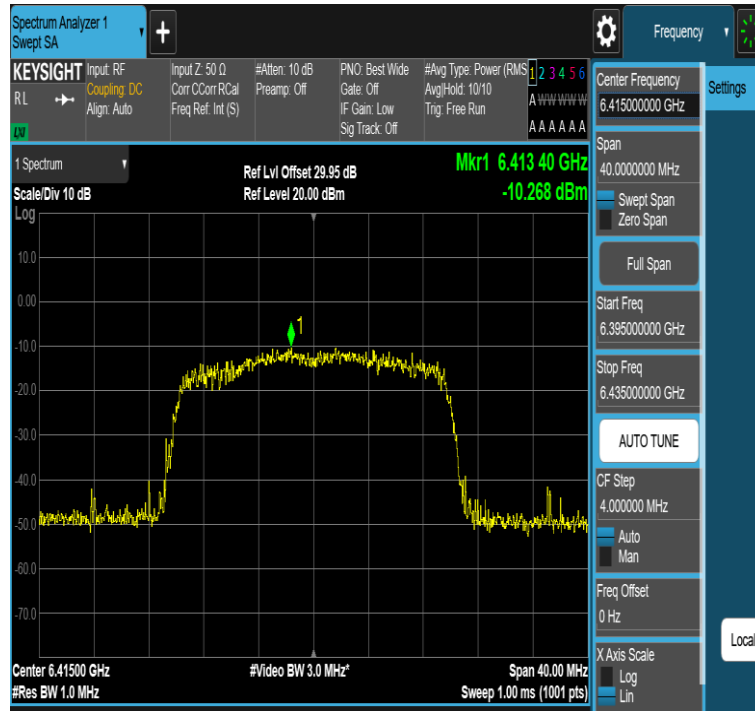
11AX20MIMO-Ant2-5955



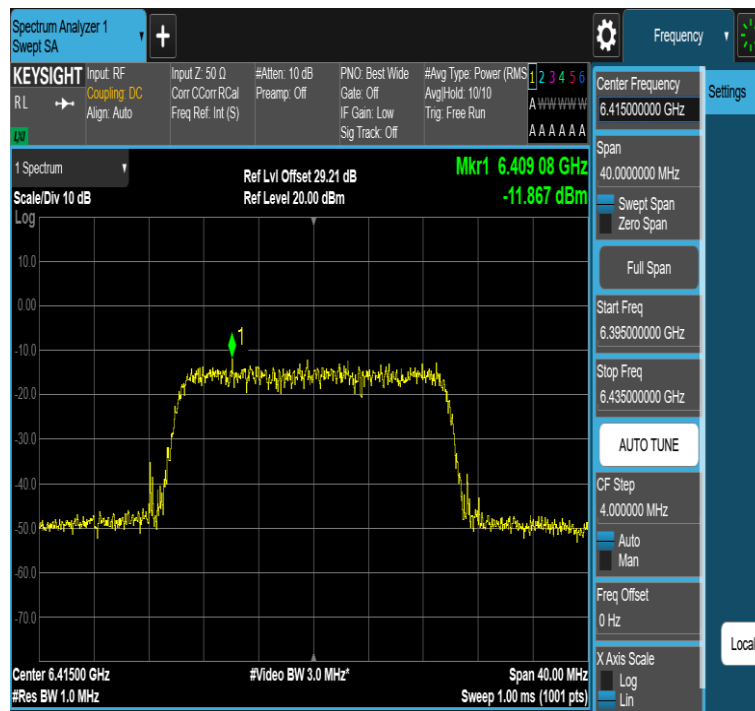
11AX20MIMO-Ant1-6175



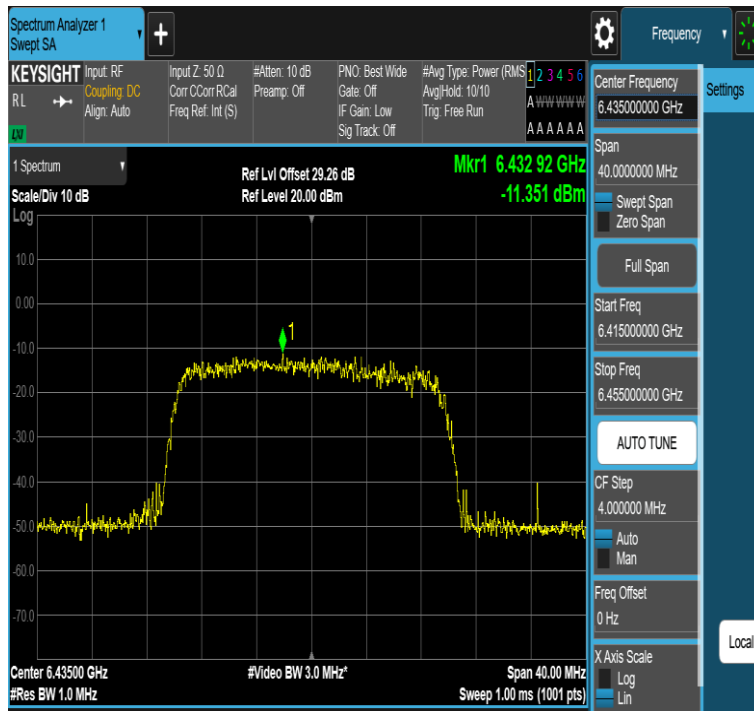
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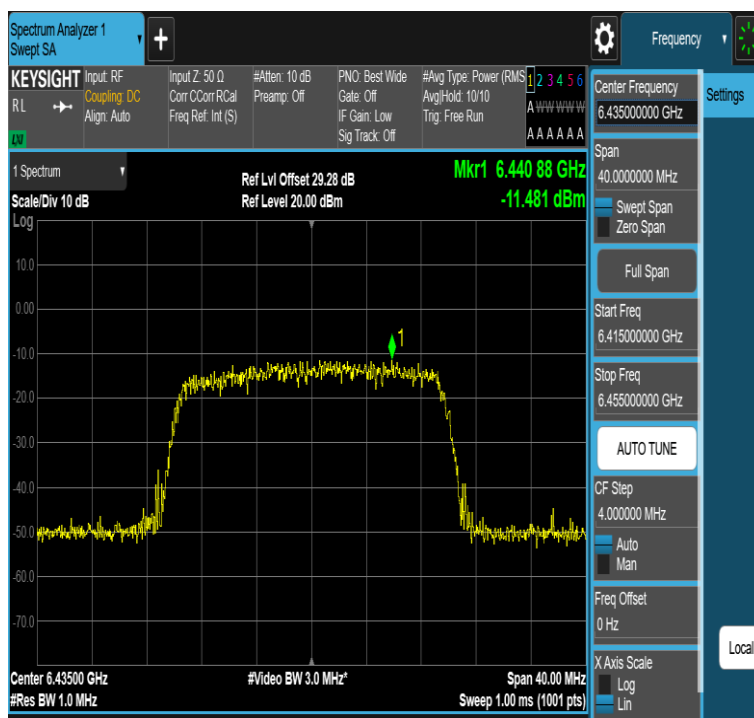
11AX20MIMO-Ant1-6415



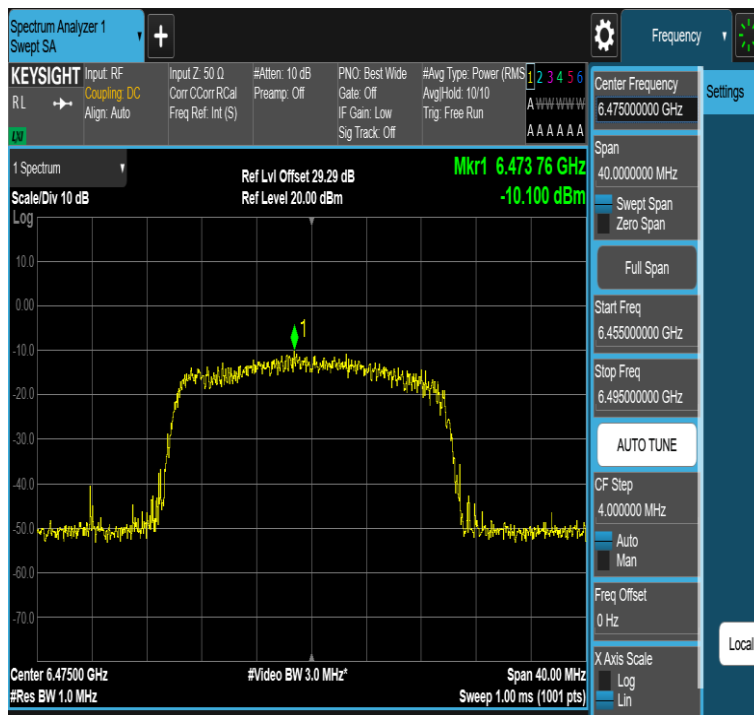
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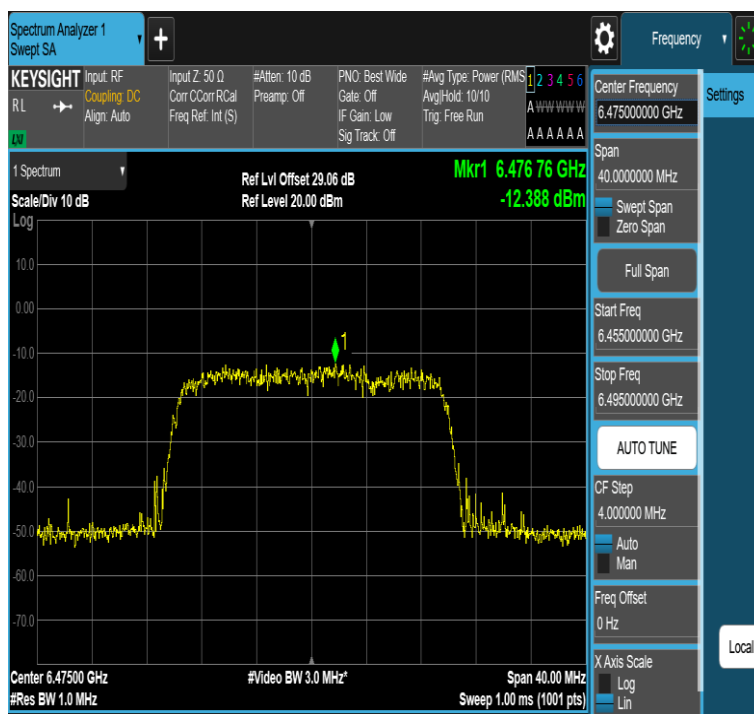
11AX20MIMO-Ant2-6435



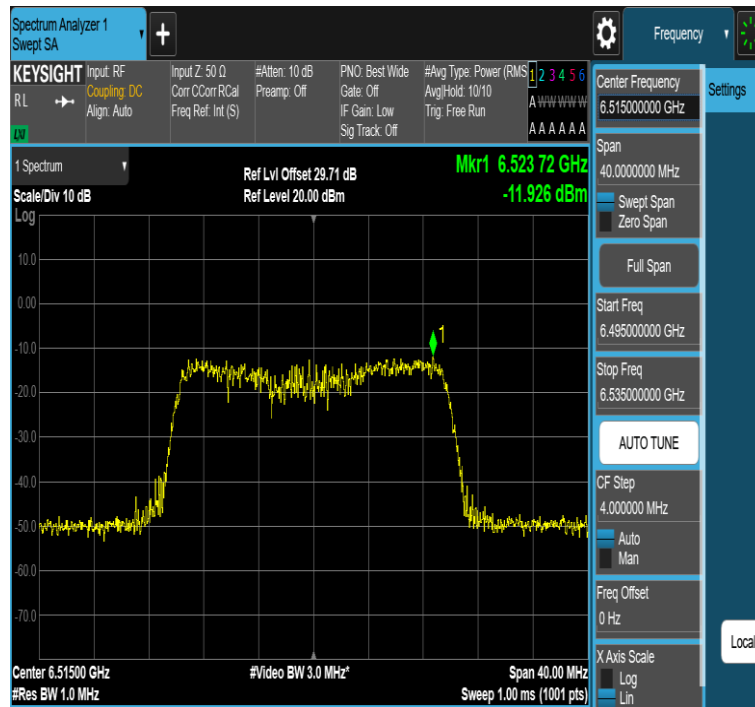
11AX20MIMO-Ant1-6435



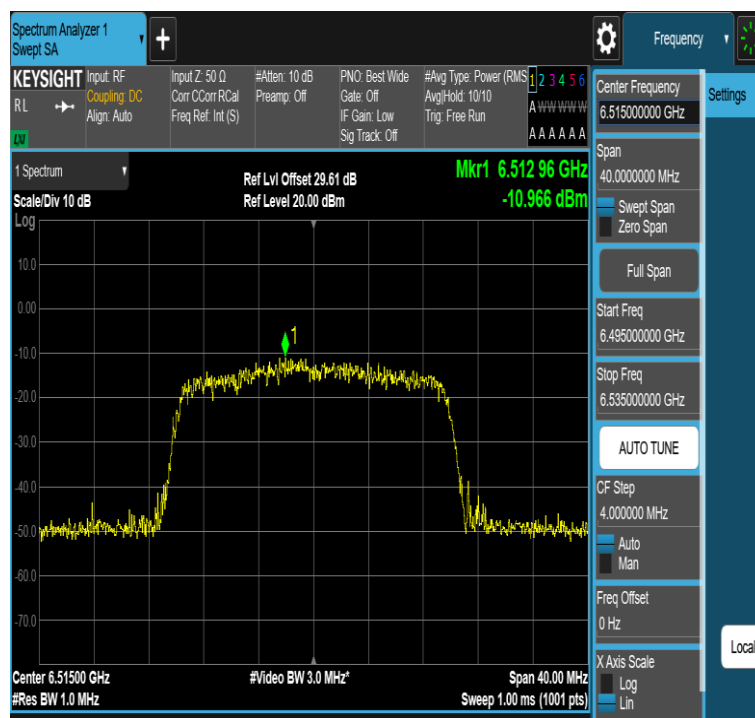
11AX20MIMO-Ant1-6475



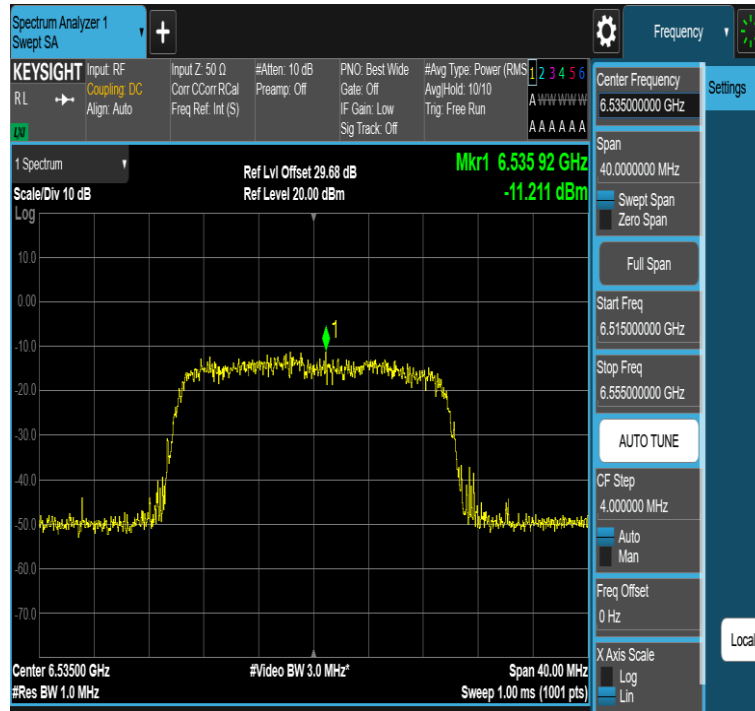
11AX20MIMO-Ant2-6475



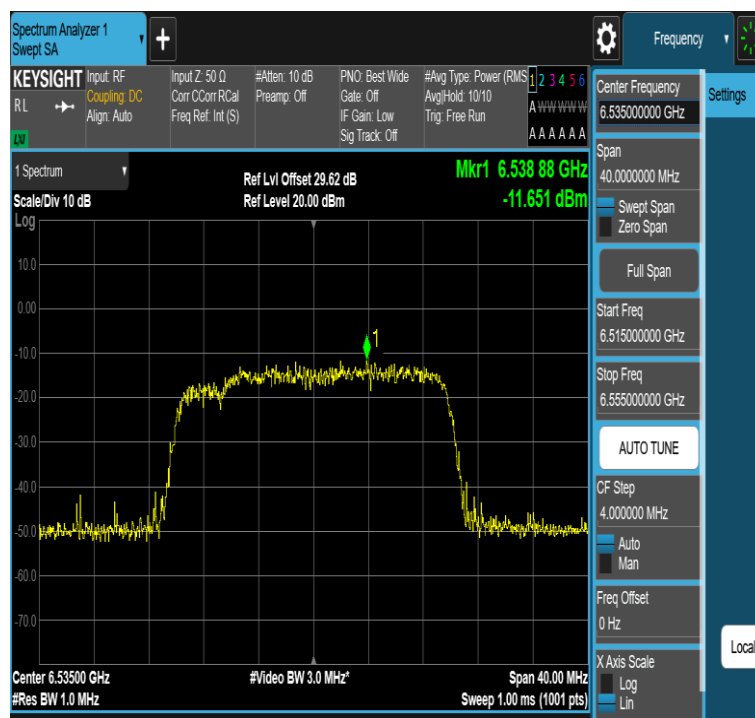
11AX20MIMO-Ant1-6515



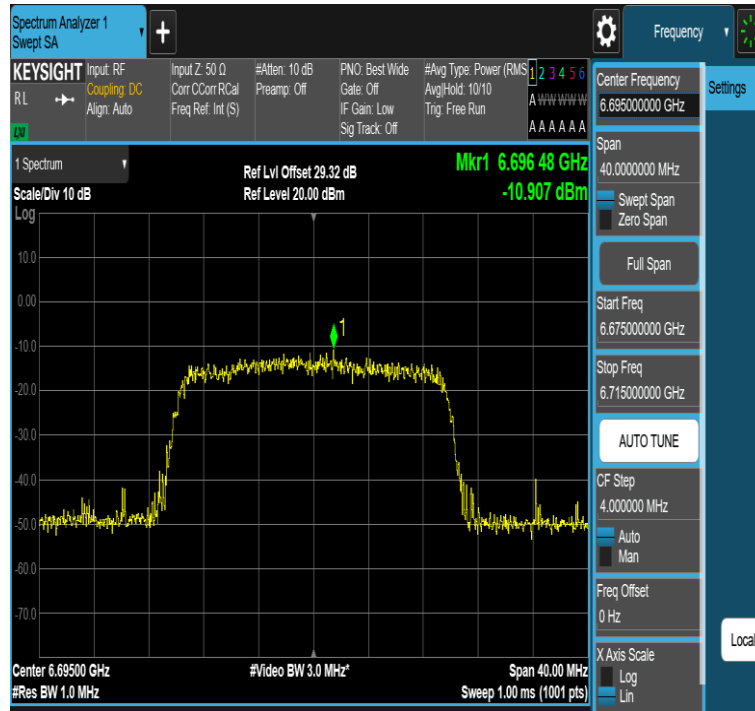
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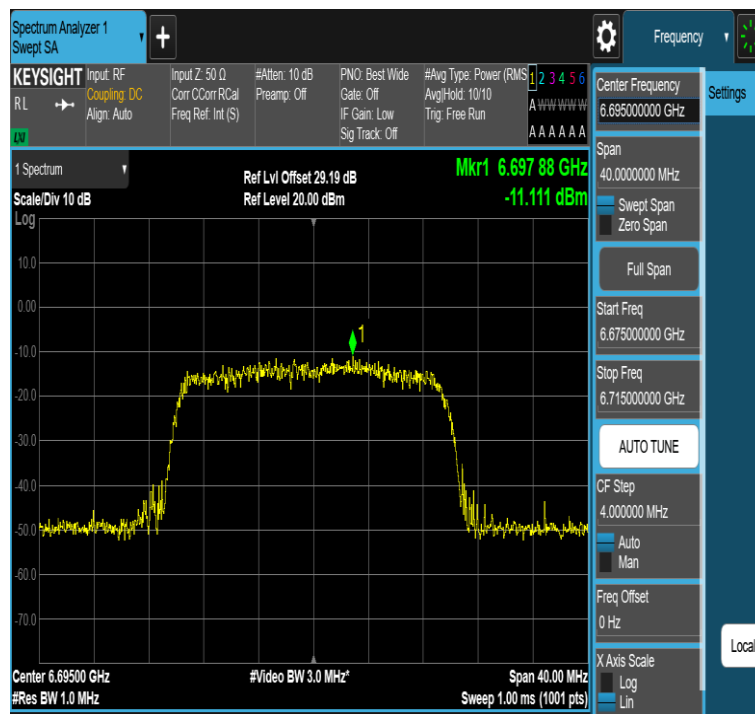
11AX20MIMO-Ant1-6535



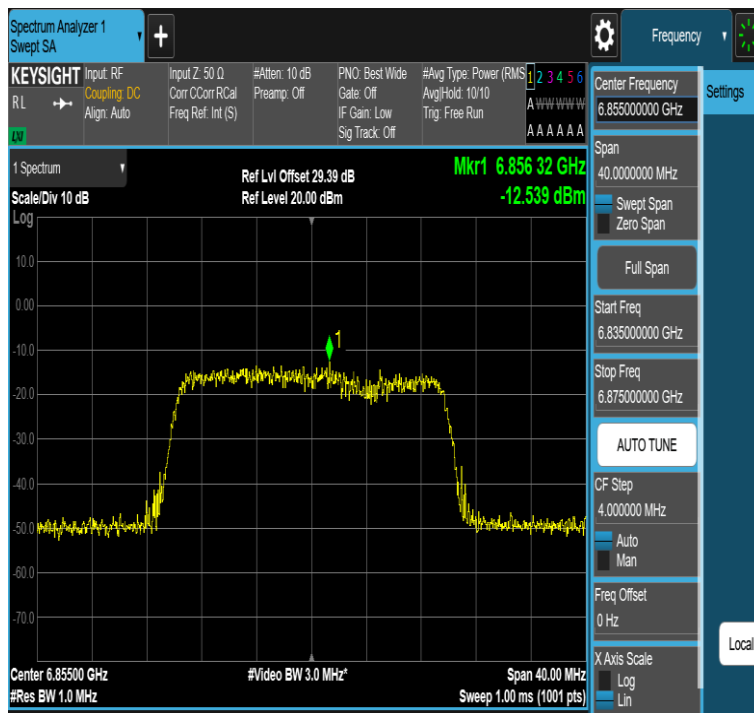
11AX20MIMO-Ant2-6535



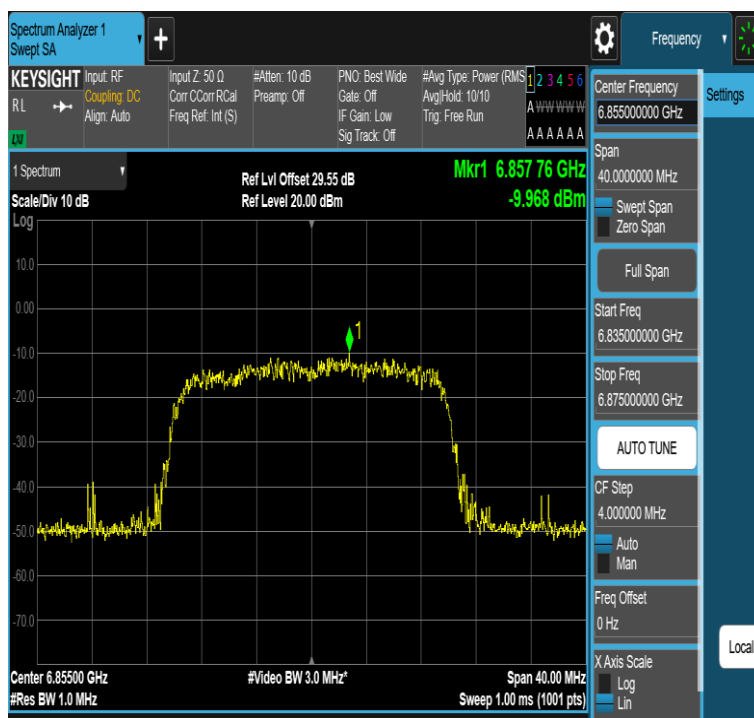
11AX20MIMO-Ant1-6695



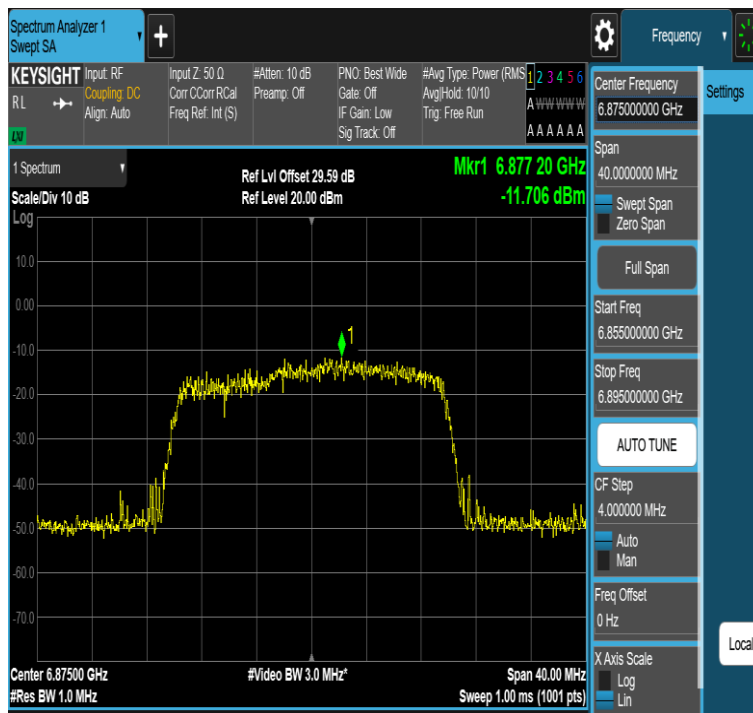
11AX20MIMO-Ant2-6695



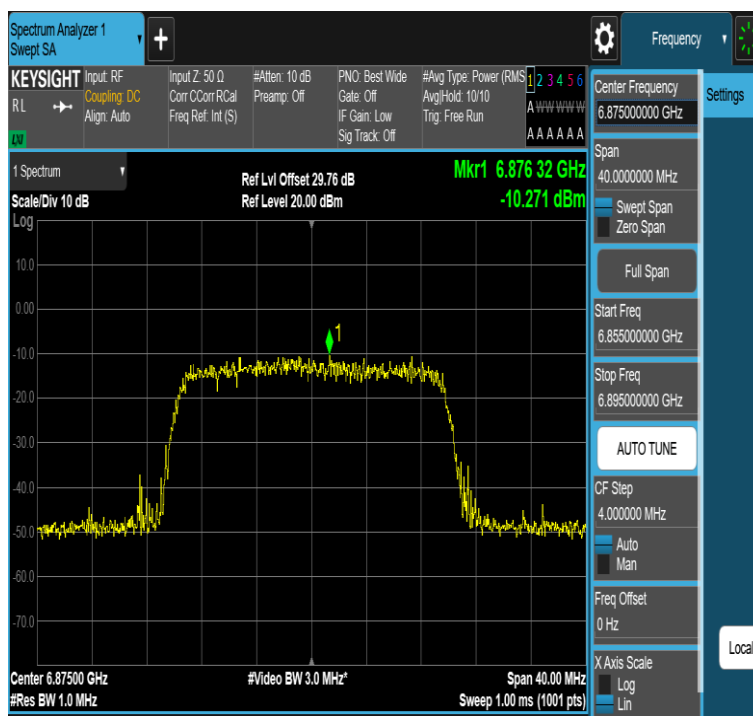
11AX20MIMO-Ant1-6855



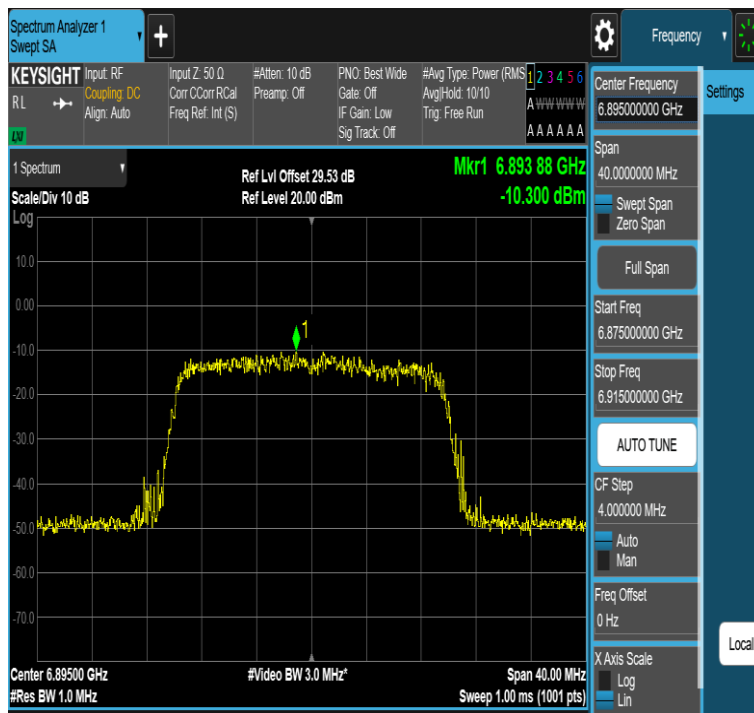
11AX20MIMO-Ant2-6855



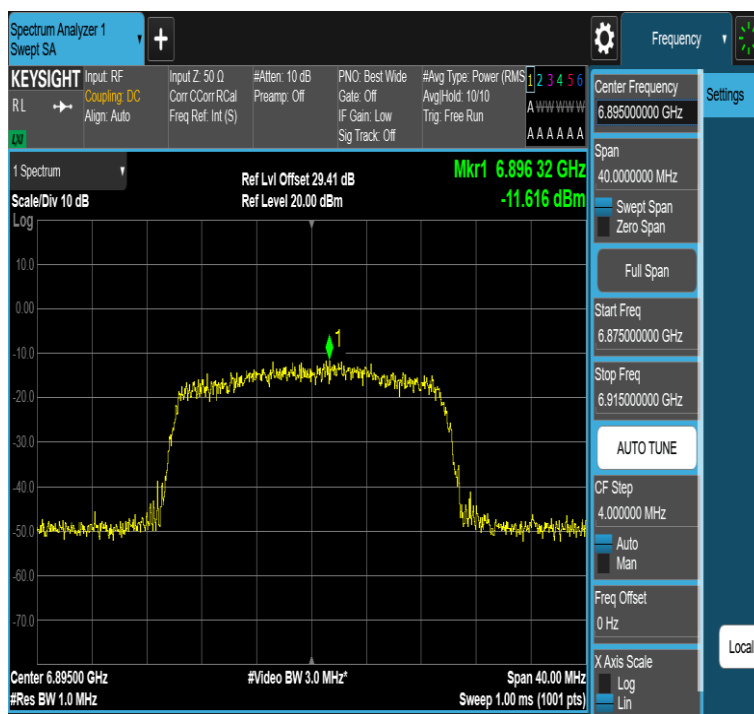
11AX20MIMO-Ant1-6875



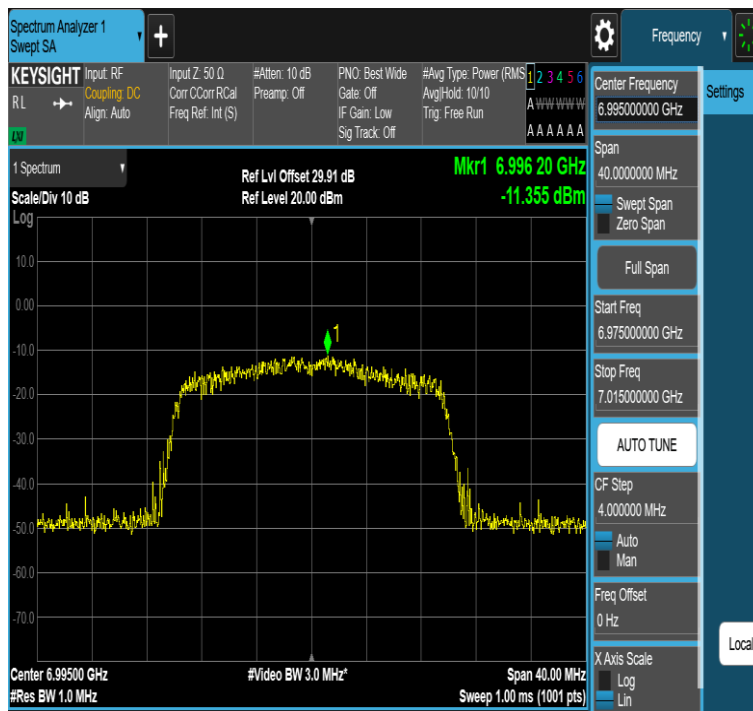
11AX20MIMO-Ant2-6875



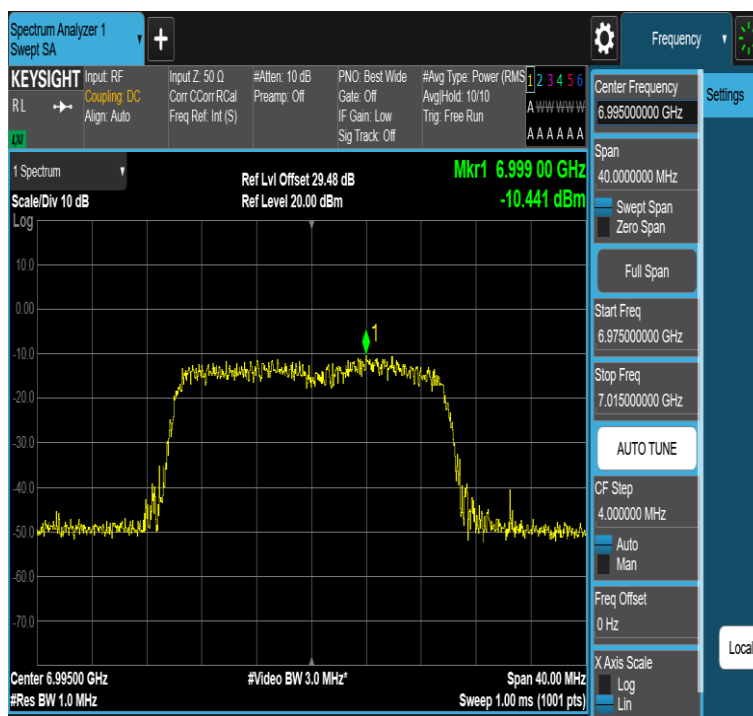
11AX20MIMO-Ant2-6895



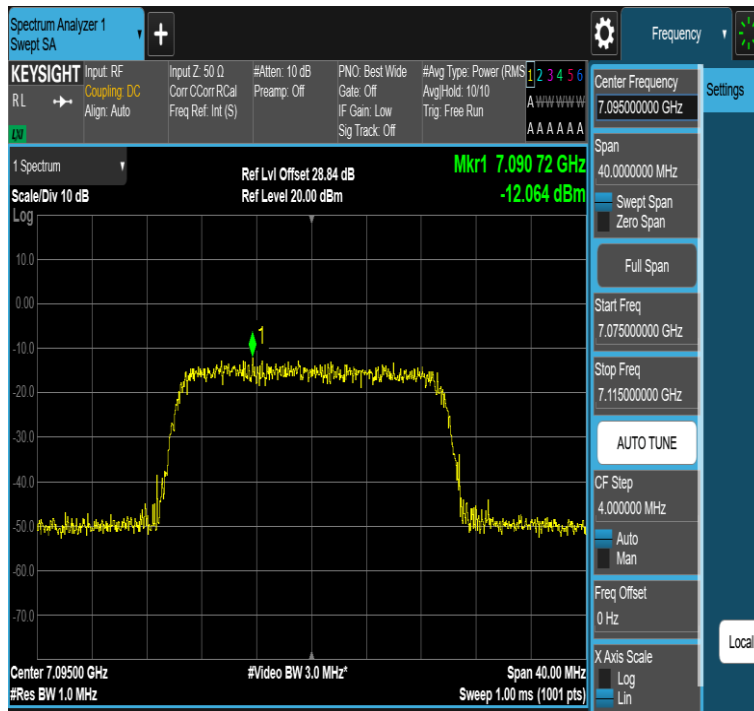
11AX20MIMO-Ant1-6895



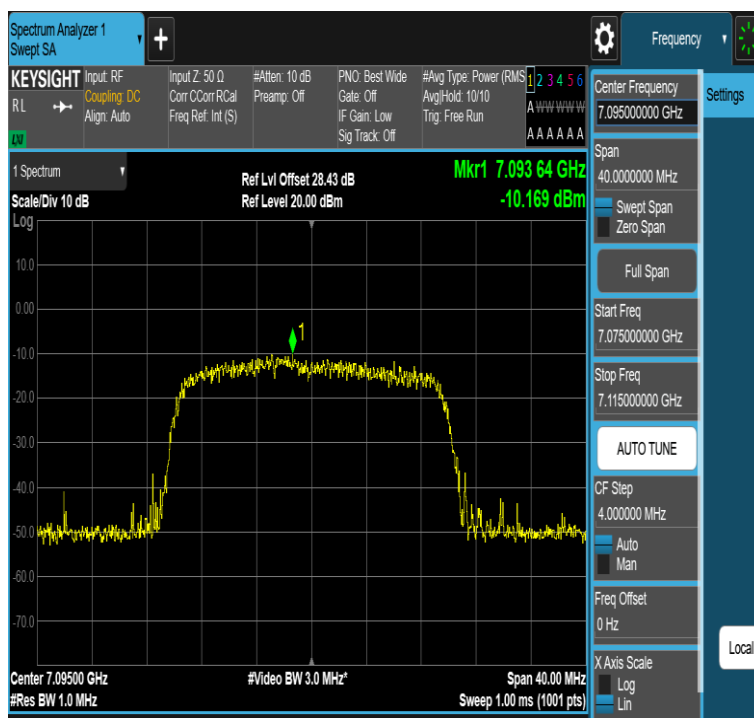
11AX20MIMO-Ant1-6995



11AX20MIMO-Ant2-6995



11AX20MIMO-Ant1-7095



11AX20MIMO-Ant2-7095