

TABLE OF CONTENTS

1 Conducted output power2

2 Frequency stability5

3 Peak-to-Average Ratio6

4 Occupied bandwidth9

5 Band edge16

6 Out-of-band emissions21

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5	23755	1	#0	QPSK	18.53	-4.16	-2.15	12.22	34.77	PASS
Band17	5	23755	1	#Mid	QPSK	18.39	-4.16	-2.15	12.08	34.77	PASS
Band17	5	23755	1	#Max	QPSK	18.55	-4.16	-2.15	12.24	34.77	PASS
Band17	5	23755	12	#0	QPSK	17.49	-4.16	-2.15	11.18	34.77	PASS
Band17	5	23755	12	#Mid	QPSK	17.46	-4.16	-2.15	11.15	34.77	PASS
Band17	5	23755	12	#Max	QPSK	17.46	-4.16	-2.15	11.15	34.77	PASS
Band17	5	23755	25	#0	QPSK	17.56	-4.16	-2.15	11.25	34.77	PASS
Band17	5	23755	1	#0	QAM16	17.59	-4.16	-2.15	11.28	34.77	PASS
Band17	5	23755	1	#Mid	QAM16	17.16	-4.16	-2.15	10.85	34.77	PASS
Band17	5	23755	1	#Max	QAM16	18.08	-4.16	-2.15	11.77	34.77	PASS
Band17	5	23755	12	#0	QAM16	16.79	-4.16	-2.15	10.48	34.77	PASS
Band17	5	23755	12	#Mid	QAM16	16.78	-4.16	-2.15	10.47	34.77	PASS
Band17	5	23755	12	#Max	QAM16	16.79	-4.16	-2.15	10.48	34.77	PASS
Band17	5	23755	25	#0	QAM16	16.93	-4.16	-2.15	10.62	34.77	PASS
Band17	5	23790	1	#0	QPSK	18.31	-4.16	-2.15	12.00	34.77	PASS
Band17	5	23790	1	#Mid	QPSK	19.36	-4.16	-2.15	13.05	34.77	PASS
Band17	5	23790	1	#Max	QPSK	18.51	-4.16	-2.15	12.20	34.77	PASS
Band17	5	23790	12	#0	QPSK	17.93	-4.16	-2.15	11.62	34.77	PASS
Band17	5	23790	12	#Mid	QPSK	18.38	-4.16	-2.15	12.07	34.77	PASS
Band17	5	23790	12	#Max	QPSK	17.64	-4.16	-2.15	11.33	34.77	PASS
Band17	5	23790	25	#0	QPSK	17.85	-4.16	-2.15	11.54	34.77	PASS
Band17	5	23790	1	#0	QAM16	17.71	-4.16	-2.15	11.40	34.77	PASS
Band17	5	23790	1	#Mid	QAM16	18.87	-4.16	-2.15	12.56	34.77	PASS
Band17	5	23790	1	#Max	QAM16	17.82	-4.16	-2.15	11.51	34.77	PASS
Band17	5	23790	12	#0	QAM16	17.07	-4.16	-2.15	10.76	34.77	PASS
Band17	5	23790	12	#Mid	QAM16	17.50	-4.16	-2.15	11.19	34.77	PASS
Band17	5	23790	12	#Max	QAM16	16.78	-4.16	-2.15	10.47	34.77	PASS
Band17	5	23790	25	#0	QAM16	16.87	-4.16	-2.15	10.56	34.77	PASS
Band17	5	23825	1	#0	QPSK	18.61	-4.16	-2.15	12.30	34.77	PASS
Band17	5	23825	1	#Mid	QPSK	18.66	-4.16	-2.15	12.35	34.77	PASS
Band17	5	23825	1	#Max	QPSK	18.79	-4.16	-2.15	12.48	34.77	PASS
Band17	5	23825	12	#0	QPSK	17.58	-4.16	-2.15	11.27	34.77	PASS
Band17	5	23825	12	#Mid	QPSK	17.71	-4.16	-2.15	11.40	34.77	PASS
Band17	5	23825	12	#Max	QPSK	17.76	-4.16	-2.15	11.45	34.77	PASS
Band17	5	23825	25	#0	QPSK	17.81	-4.16	-2.15	11.50	34.77	PASS
Band17	5	23825	1	#0	QAM16	17.69	-4.16	-2.15	11.38	34.77	PASS
Band17	5	23825	1	#Mid	QAM16	17.88	-4.16	-2.15	11.57	34.77	PASS

Band17	5	23825	1	#Max	QAM16	18.31	-4.16	-2.15	12.00	34.77	PASS
Band17	5	23825	12	#0	QAM16	16.88	-4.16	-2.15	10.57	34.77	PASS
Band17	5	23825	12	#Mid	QAM16	16.62	-4.16	-2.15	10.31	34.77	PASS
Band17	5	23825	12	#Max	QAM16	16.64	-4.16	-2.15	10.33	34.77	PASS
Band17	5	23825	25	#0	QAM16	16.78	-4.16	-2.15	10.47	34.77	PASS
Band17	10	23780	1	#0	QPSK	18.59	-4.16	-2.15	12.28	34.77	PASS
Band17	10	23780	1	#Mid	QPSK	18.97	-4.16	-2.15	12.66	34.77	PASS
Band17	10	23780	1	#Max	QPSK	18.69	-4.16	-2.15	12.38	34.77	PASS
Band17	10	23780	25	#0	QPSK	17.60	-4.16	-2.15	11.29	34.77	PASS
Band17	10	23780	25	#Mid	QPSK	17.83	-4.16	-2.15	11.52	34.77	PASS
Band17	10	23780	25	#Max	QPSK	17.71	-4.16	-2.15	11.40	34.77	PASS
Band17	10	23780	50	#0	QPSK	17.59	-4.16	-2.15	11.28	34.77	PASS
Band17	10	23780	1	#0	QAM16	18.96	-4.16	-2.15	12.65	34.77	PASS
Band17	10	23780	1	#Mid	QAM16	18.53	-4.16	-2.15	12.22	34.77	PASS
Band17	10	23780	1	#Max	QAM16	18.71	-4.16	-2.15	12.40	34.77	PASS
Band17	10	23780	25	#0	QAM16	16.74	-4.16	-2.15	10.43	34.77	PASS
Band17	10	23780	25	#Mid	QAM16	16.92	-4.16	-2.15	10.61	34.77	PASS
Band17	10	23780	25	#Max	QAM16	16.80	-4.16	-2.15	10.49	34.77	PASS
Band17	10	23780	50	#0	QAM16	16.87	-4.16	-2.15	10.56	34.77	PASS
Band17	10	23790	1	#0	QPSK	18.54	-4.16	-2.15	12.23	34.77	PASS
Band17	10	23790	1	#Mid	QPSK	19.34	-4.16	-2.15	13.03	34.77	PASS
Band17	10	23790	1	#Max	QPSK	18.81	-4.16	-2.15	12.50	34.77	PASS
Band17	10	23790	25	#0	QPSK	17.58	-4.16	-2.15	11.27	34.77	PASS
Band17	10	23790	25	#Mid	QPSK	17.96	-4.16	-2.15	11.65	34.77	PASS
Band17	10	23790	25	#Max	QPSK	17.51	-4.16	-2.15	11.20	34.77	PASS
Band17	10	23790	50	#0	QPSK	17.94	-4.16	-2.15	11.63	34.77	PASS
Band17	10	23790	1	#0	QAM16	17.61	-4.16	-2.15	11.30	34.77	PASS
Band17	10	23790	1	#Mid	QAM16	18.68	-4.16	-2.15	12.37	34.77	PASS
Band17	10	23790	1	#Max	QAM16	17.85	-4.16	-2.15	11.54	34.77	PASS
Band17	10	23790	25	#0	QAM16	16.92	-4.16	-2.15	10.61	34.77	PASS
Band17	10	23790	25	#Mid	QAM16	17.02	-4.16	-2.15	10.71	34.77	PASS
Band17	10	23790	25	#Max	QAM16	16.98	-4.16	-2.15	10.67	34.77	PASS
Band17	10	23790	50	#0	QAM16	16.97	-4.16	-2.15	10.66	34.77	PASS
Band17	10	23800	1	#0	QPSK	18.80	-4.16	-2.15	12.49	34.77	PASS
Band17	10	23800	1	#Mid	QPSK	18.82	-4.16	-2.15	12.51	34.77	PASS
Band17	10	23800	1	#Max	QPSK	19.01	-4.16	-2.15	12.70	34.77	PASS
Band17	10	23800	25	#0	QPSK	17.72	-4.16	-2.15	11.41	34.77	PASS
Band17	10	23800	25	#Mid	QPSK	17.86	-4.16	-2.15	11.55	34.77	PASS
Band17	10	23800	25	#Max	QPSK	17.69	-4.16	-2.15	11.38	34.77	PASS
Band17	10	23800	50	#0	QPSK	17.91	-4.16	-2.15	11.60	34.77	PASS
Band17	10	23800	1	#0	QAM16	17.56	-4.16	-2.15	11.25	34.77	PASS
Band17	10	23800	1	#Mid	QAM16	17.95	-4.16	-2.15	11.64	34.77	PASS
Band17	10	23800	1	#Max	QAM16	18.16	-4.16	-2.15	11.85	34.77	PASS
Band17	10	23800	25	#0	QAM16	16.89	-4.16	-2.15	10.58	34.77	PASS

Band17	10	23800	25	#Mid	QAM16	16.94	-4.16	-2.15	10.63	34.77	PASS
Band17	10	23800	25	#Max	QAM16	16.69	-4.16	-2.15	10.38	34.77	PASS
Band17	10	23800	50	#0	QAM16	16.99	-4.16	-2.15	10.68	34.77	PASS

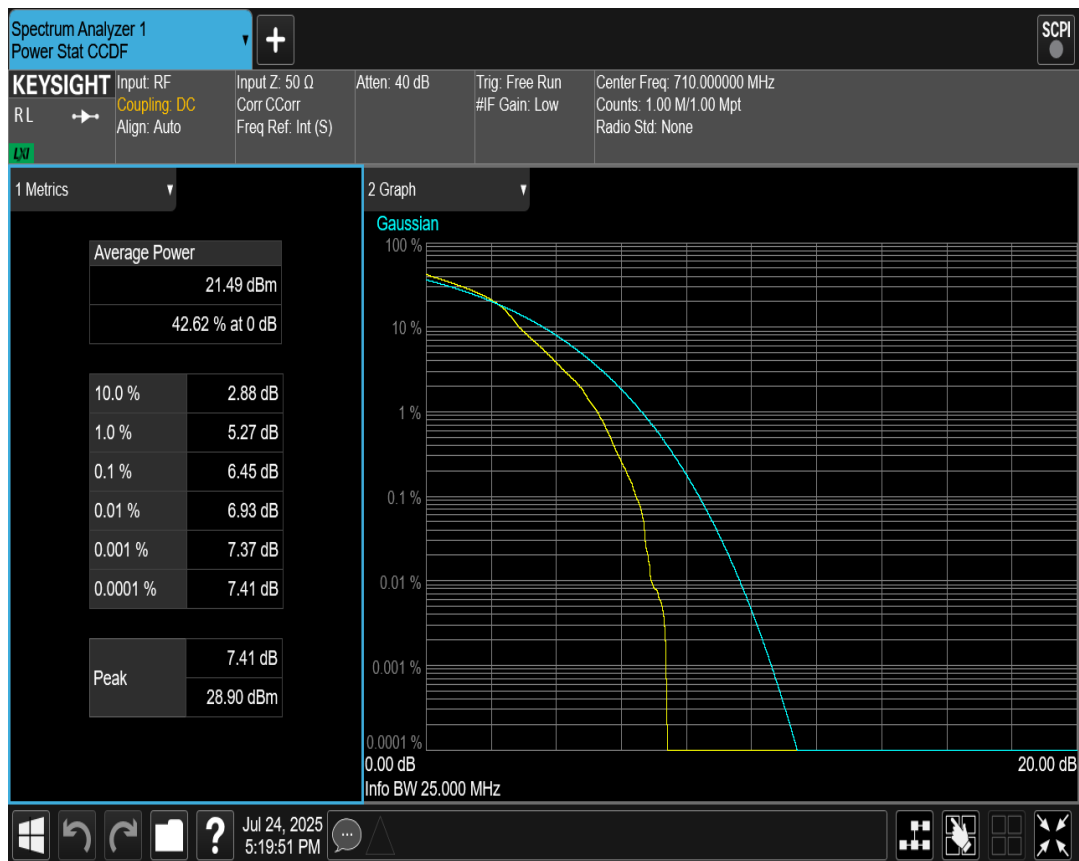
2 Frequency stability

<i>Band</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Size</i>	<i>RB Position</i>	<i>Modulation</i>	<i>Result(Hz)</i>	<i>Result (ppm)</i>	<i>Low Limit (ppm)</i>	<i>high Limit (ppm)</i>	<i>Verdict</i>
Band17	10	23780	50	#0	QPSK	-9.51	-0.013	-2.5	2.5	PASS
Band17	10	23780	50	#0	QAM16	-10.19	-0.014	-2.5	2.5	PASS
Band17	10	23790	50	#0	QPSK	-9.28	-0.013	-2.5	2.5	PASS
Band17	10	23790	50	#0	QAM16	-9.25	-0.013	-2.5	2.5	PASS
Band17	10	23800	50	#0	QPSK	-6.95	-0.010	-2.5	2.5	PASS
Band17	10	23800	50	#0	QAM16	-6.82	-0.010	-2.5	2.5	PASS

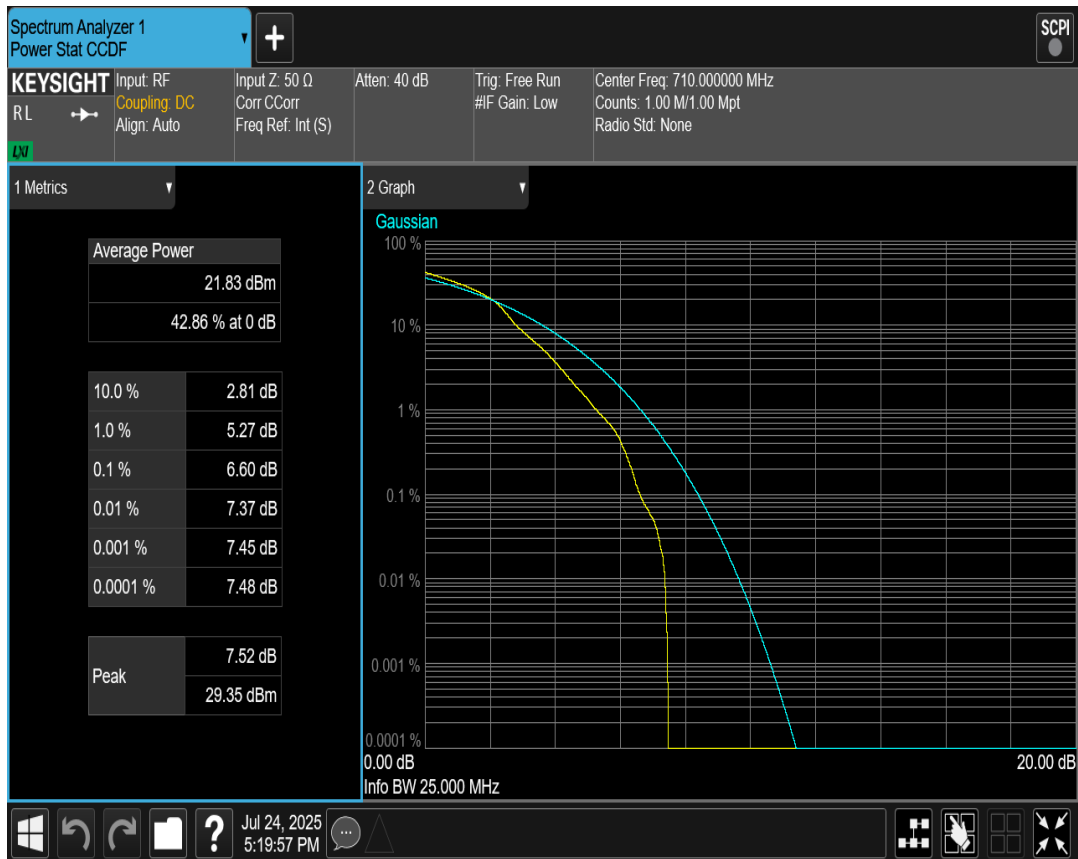
3 Peak-to-Average Ratio

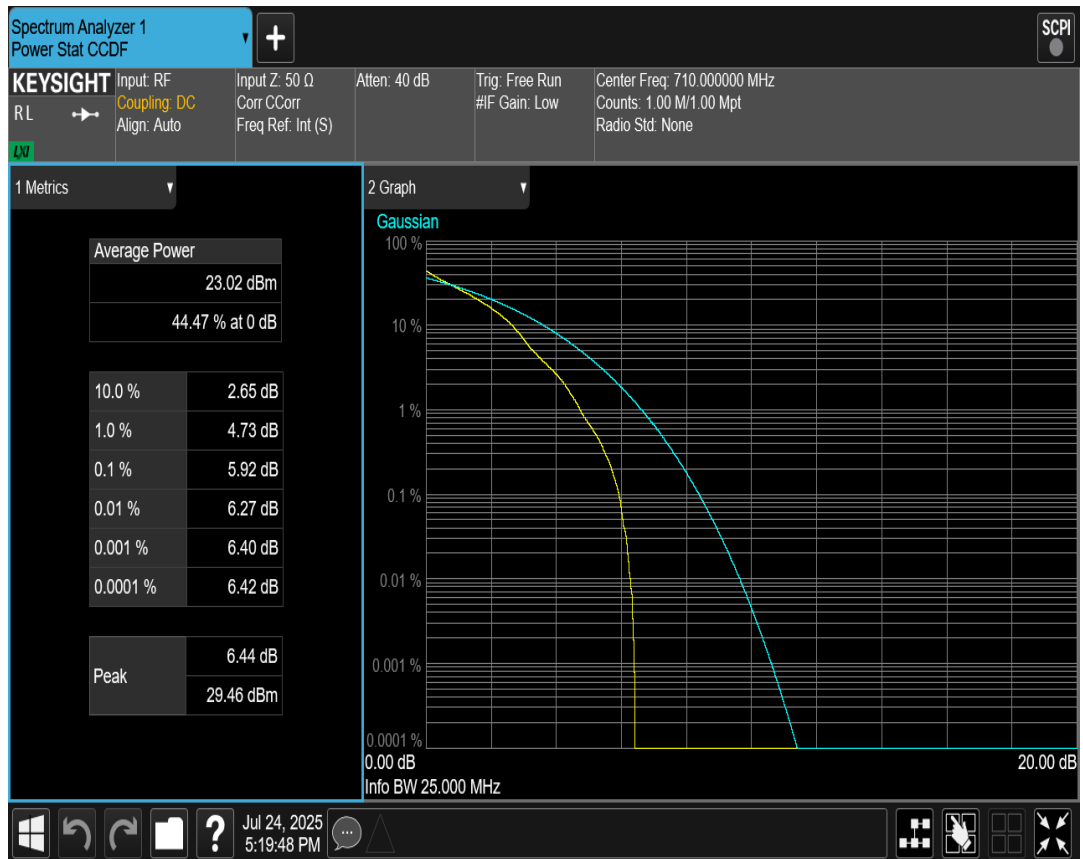
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band17	5	23790	1	#0	QPSK	5.92	13	PASS
Band17	5	23790	1	#0	QAM16	6.45	13	PASS
Band17	10	23790	1	#0	QPSK	5.92	13	PASS
Band17	10	23790	1	#0	QAM16	6.60	13	PASS

Band17 QAM16 BW=5MHz Channel=23790 RB Size=1 Position=#0



Band17 QAM16 BW=10MHz Channel=23790 RB Size=1 Position=#0

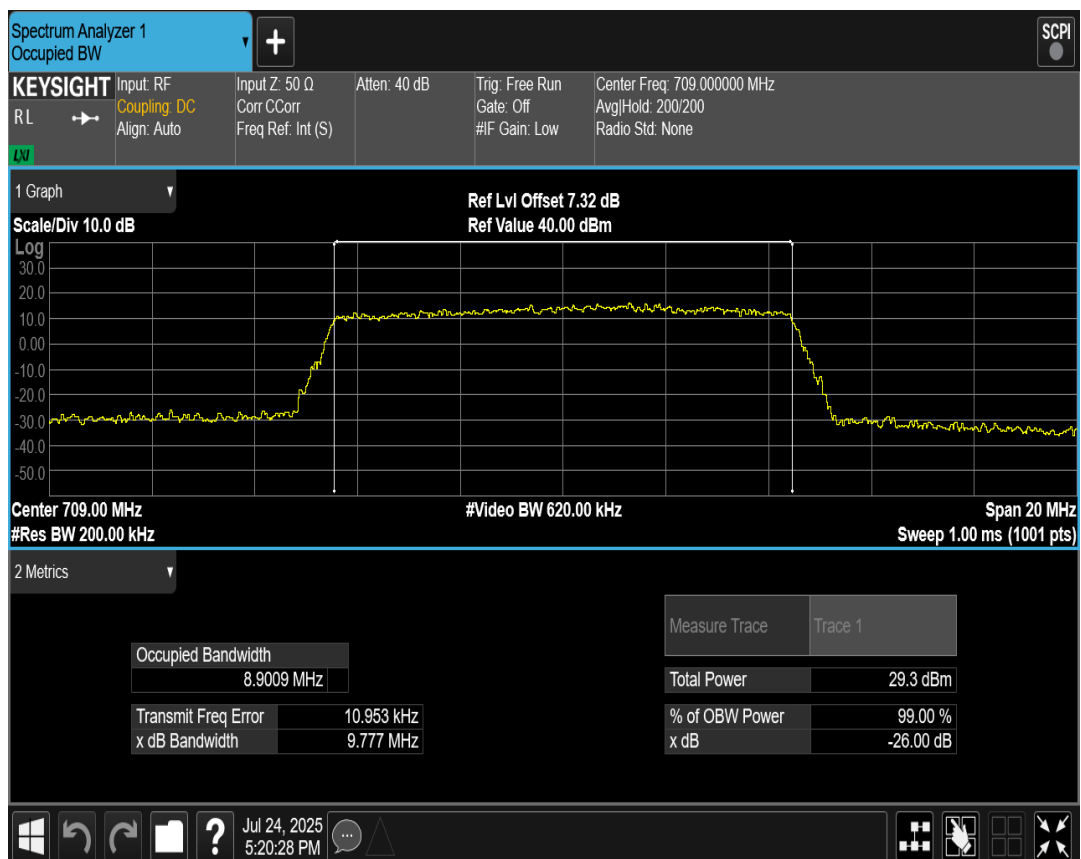
**Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0****Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0**



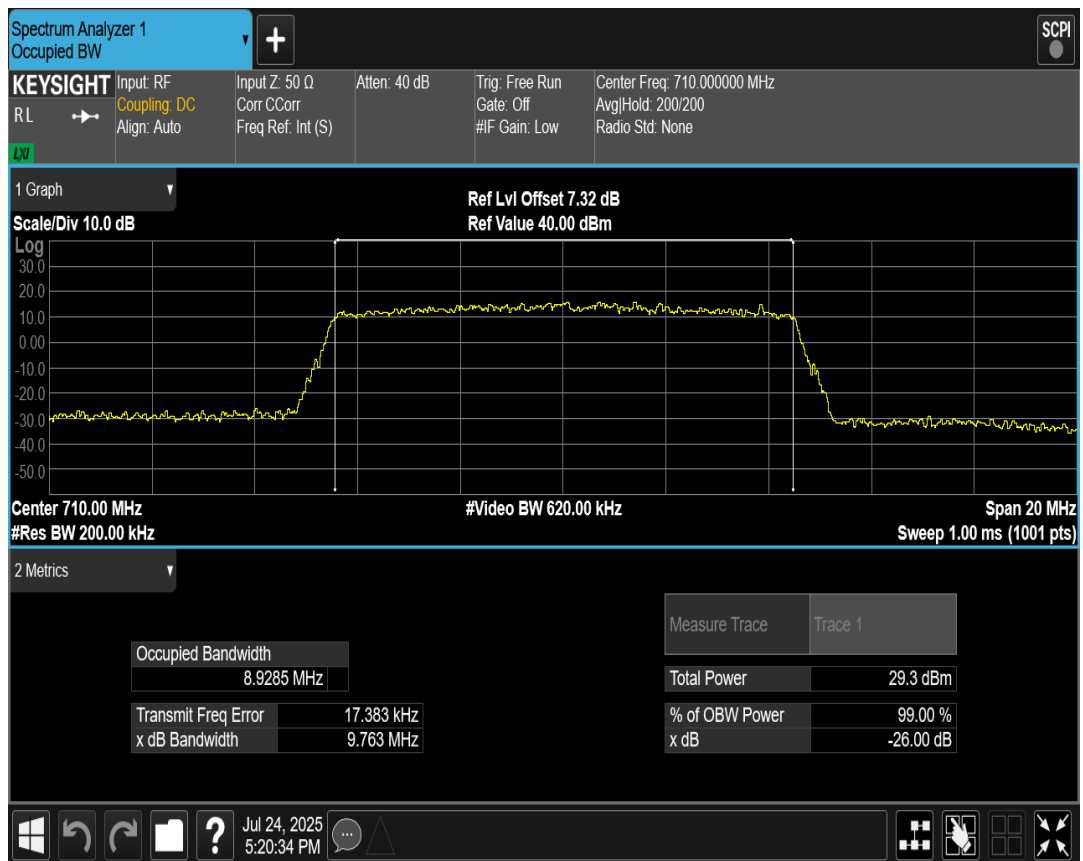
4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band17	5	23755	25	#0	QPSK	4.527	4.950	PASS
Band17	5	23755	25	#0	QAM16	4.497	4.968	PASS
Band17	5	23790	25	#0	QPSK	4.503	4.921	PASS
Band17	5	23790	25	#0	QAM16	4.498	4.928	PASS
Band17	5	23825	25	#0	QPSK	4.510	4.990	PASS
Band17	5	23825	25	#0	QAM16	4.544	4.990	PASS
Band17	10	23780	50	#0	QPSK	8.907	9.630	PASS
Band17	10	23780	50	#0	QAM16	8.901	9.777	PASS
Band17	10	23790	50	#0	QPSK	8.907	9.725	PASS
Band17	10	23790	50	#0	QAM16	8.929	9.763	PASS
Band17	10	23800	50	#0	QPSK	8.942	9.754	PASS
Band17	10	23800	50	#0	QAM16	8.966	9.783	PASS

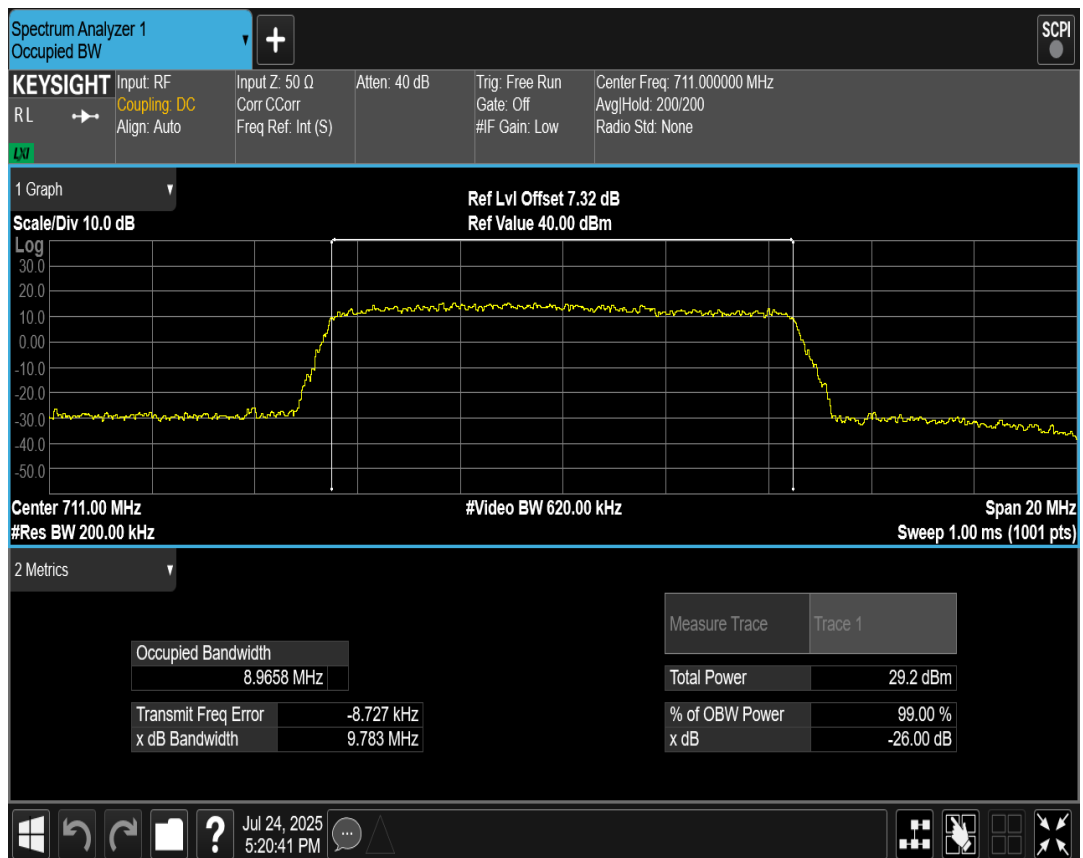
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



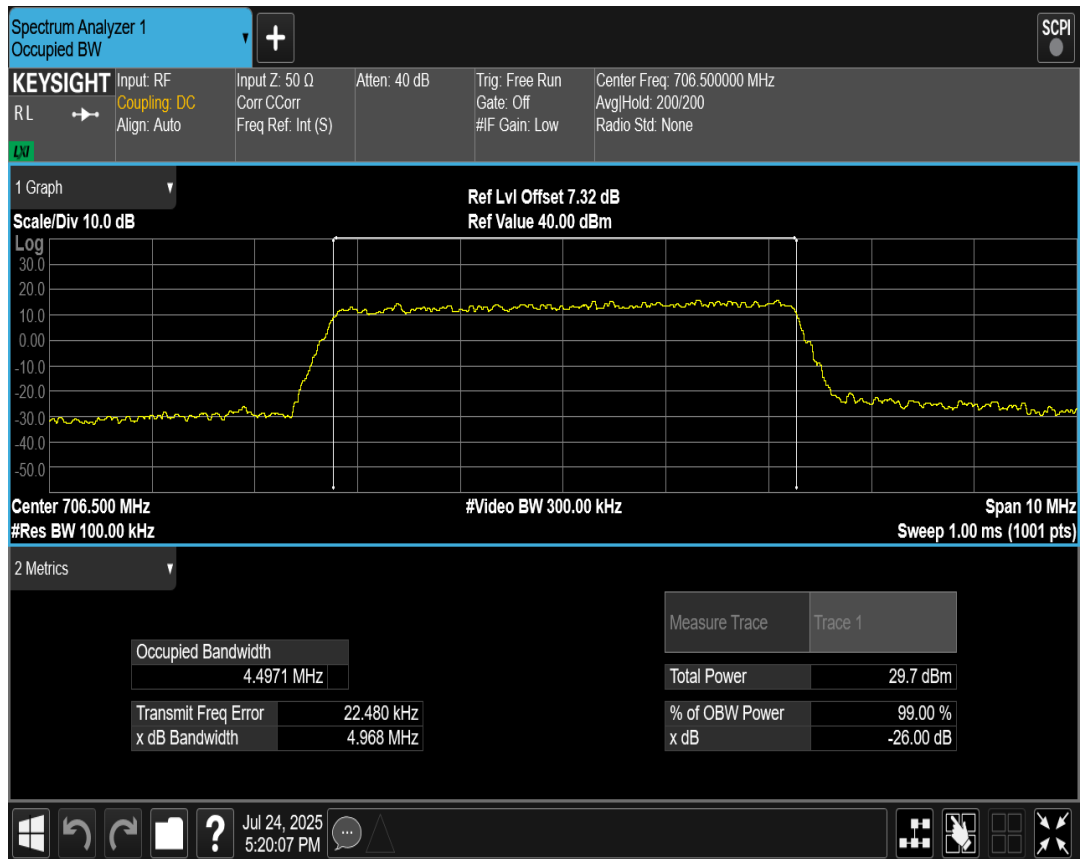
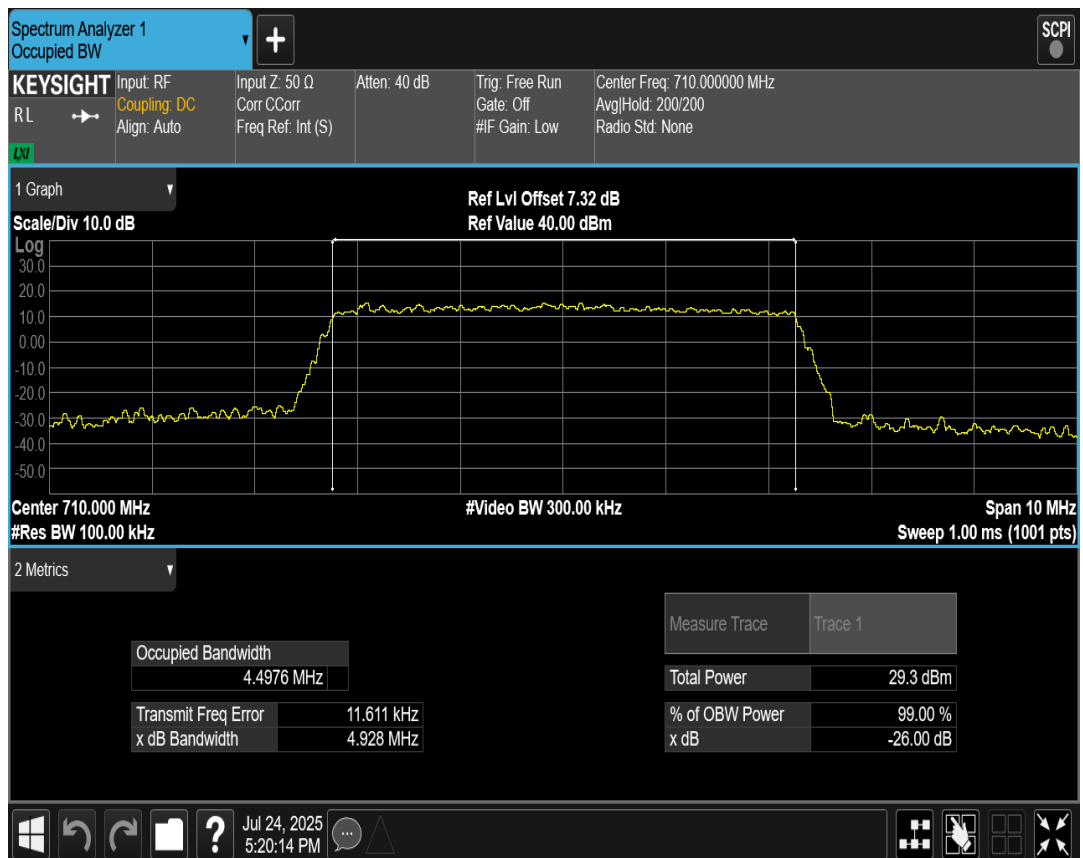
Band17 QAM16 BW=10MHz Channel=23790 RB Size=50 Position=#0

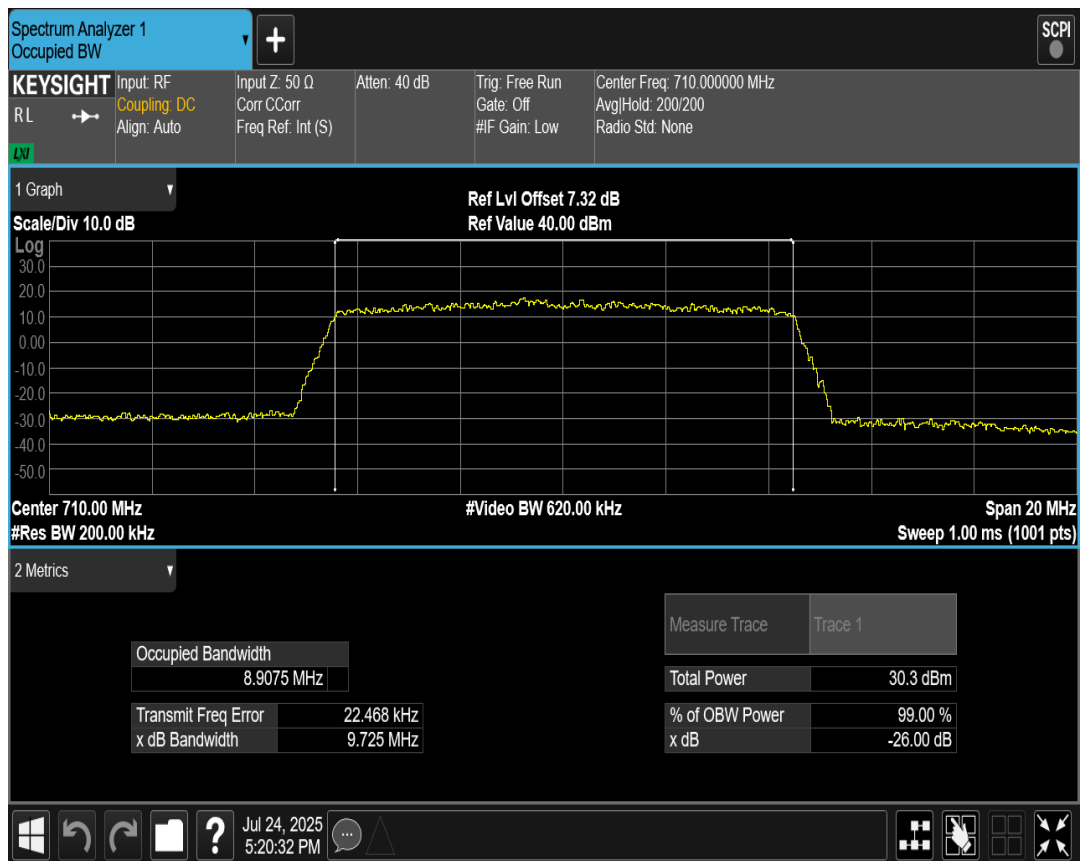
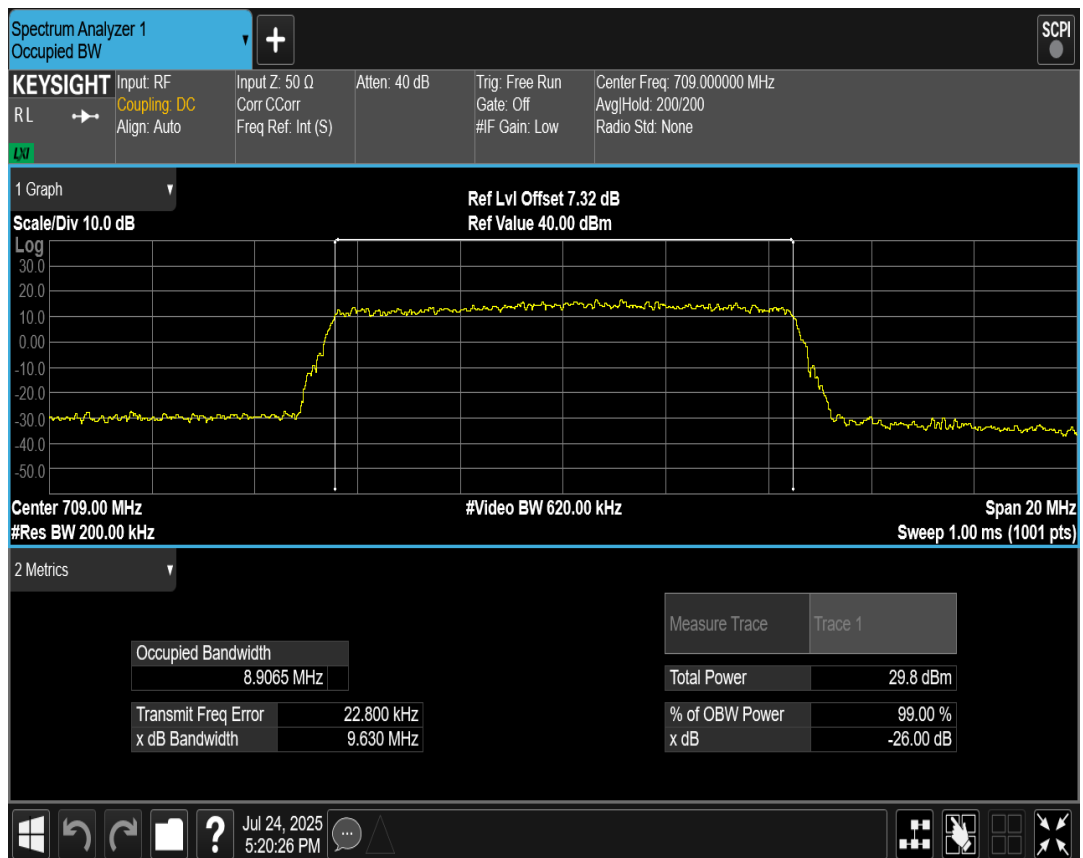


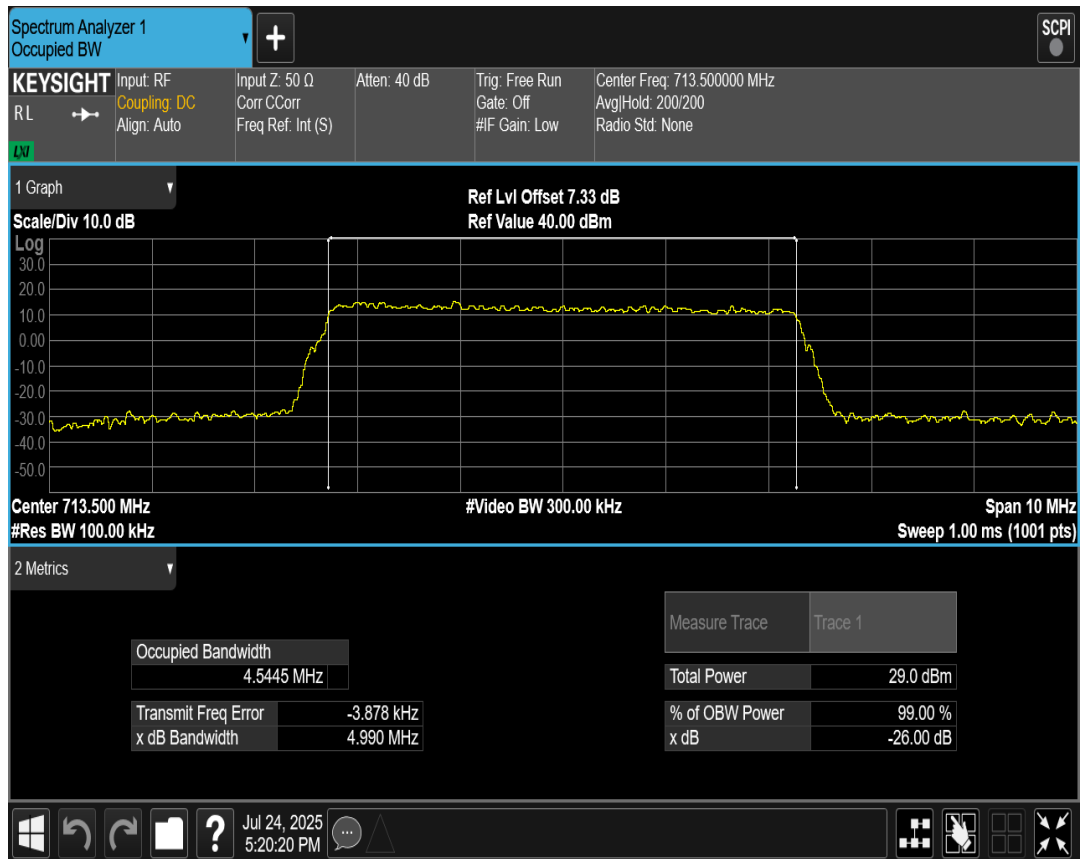
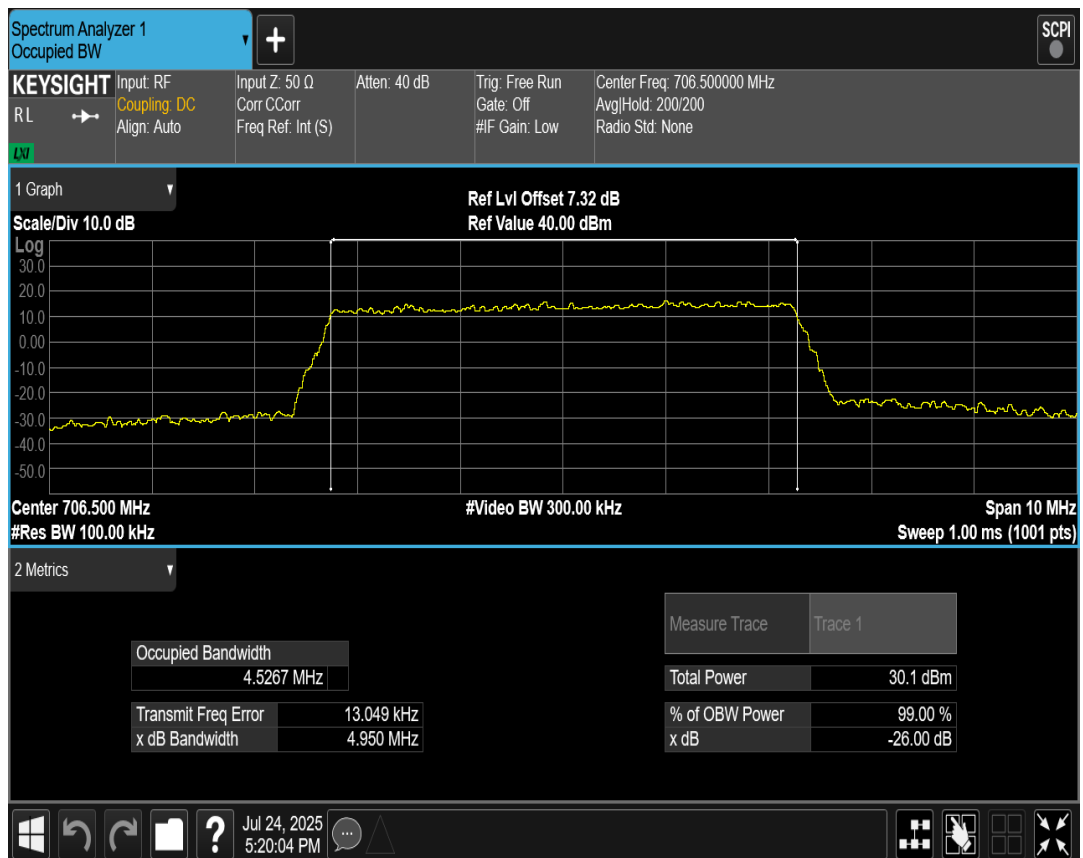
Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0

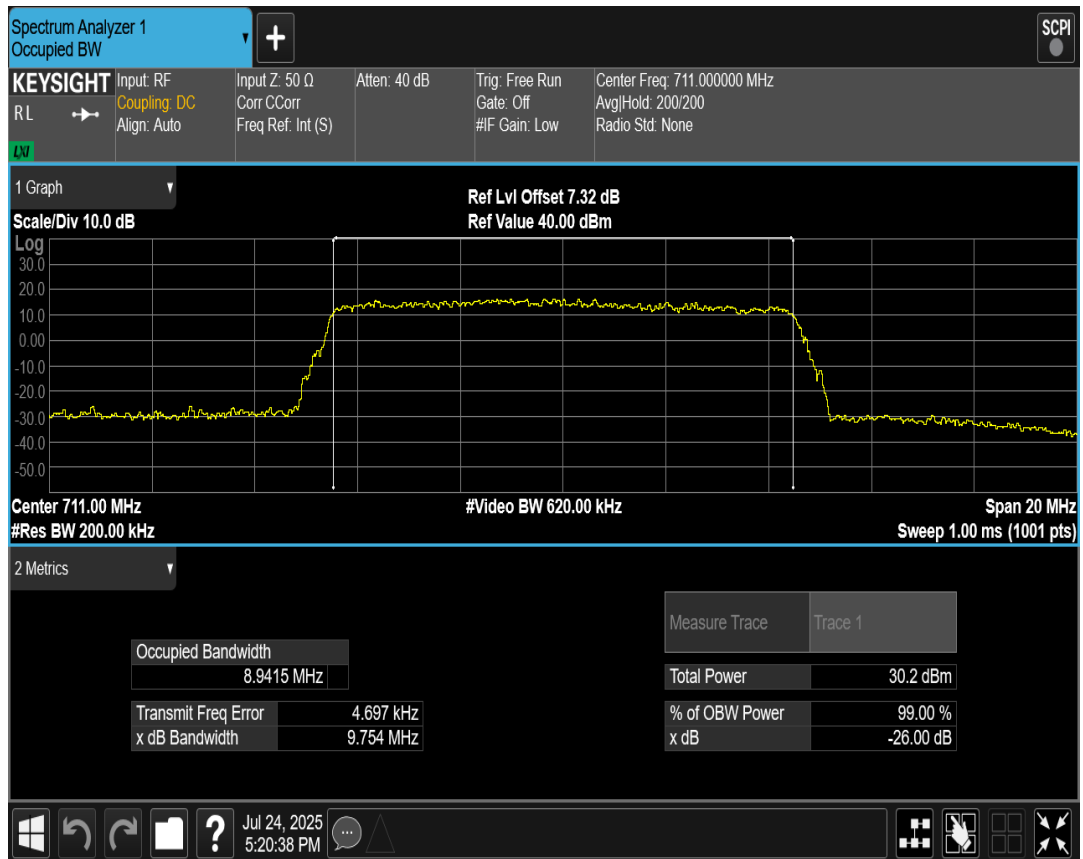


Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0

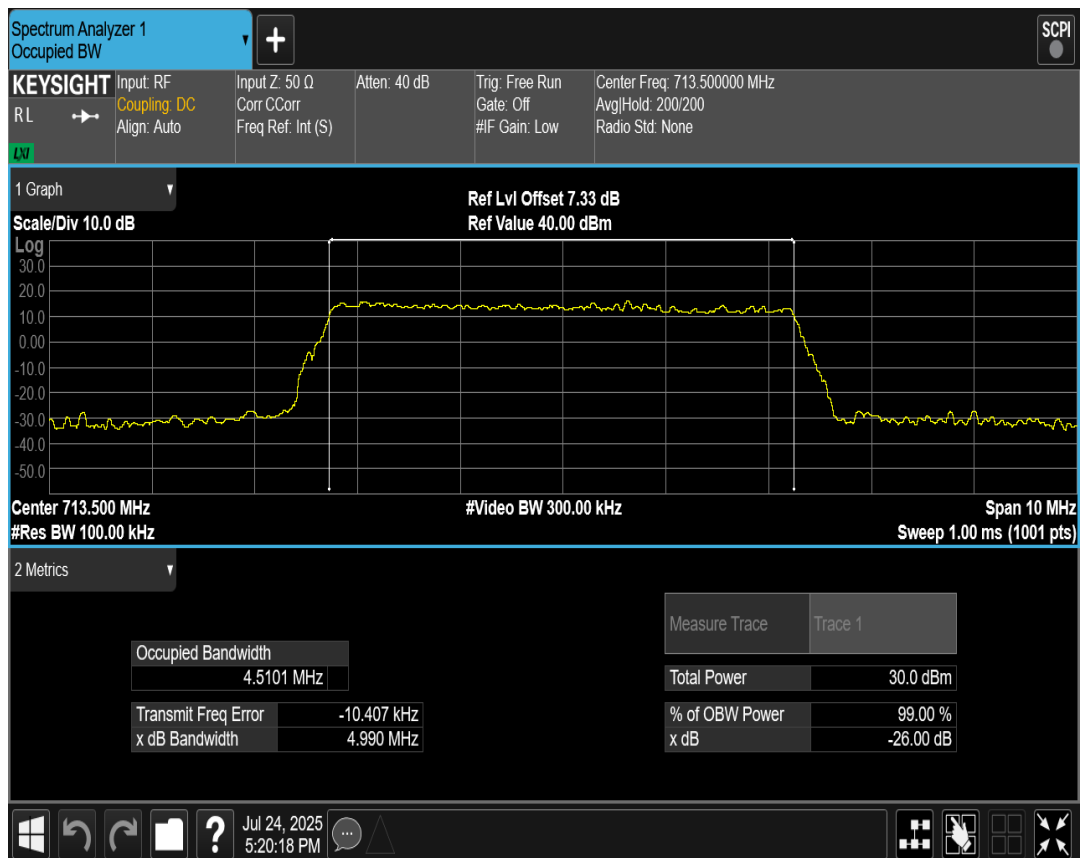
**Band17 QAM16 BW=5MHz Channel=23790 RB Size=25 Position=#0****Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0**

**Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0****Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0**

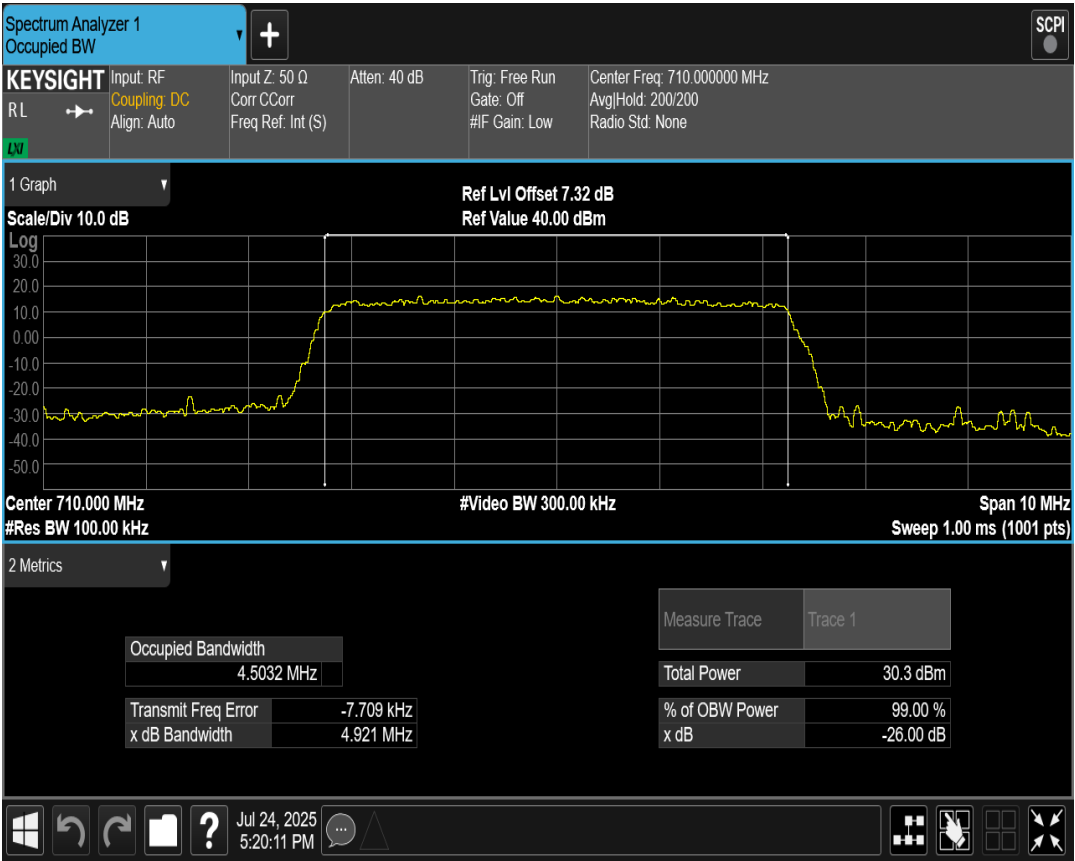
**Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0****Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0**



Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0



Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0



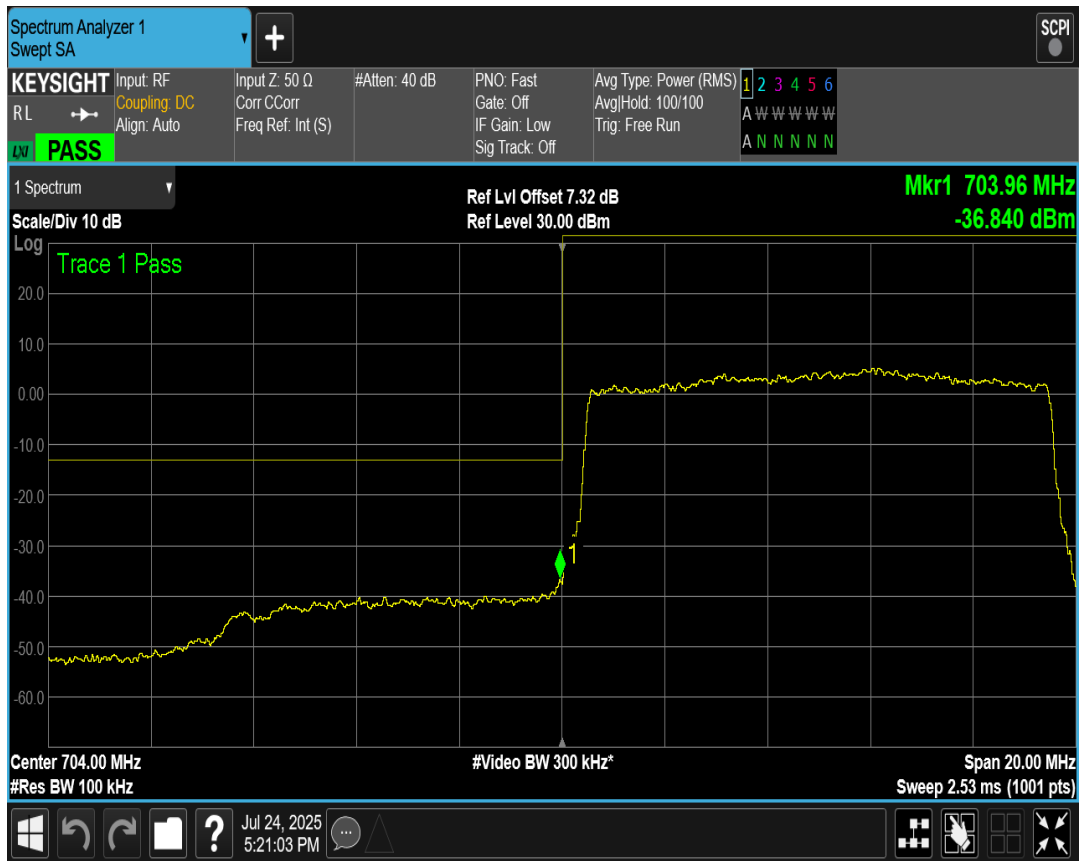
5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QPSK	704.00	-32.40	-13	PASS
Band17	5	23755	25	#0	QAM16	704.00	-32.38	-13	PASS
Band17	5	23825	25	#0	QPSK	716.00	-33.77	-13	PASS
Band17	5	23825	25	#0	QAM16	716.00	-33.50	-13	PASS
Band17	10	23780	50	#0	QPSK	703.96	-36.83	-13	PASS
Band17	10	23780	50	#0	QAM16	704.00	-35.54	-13	PASS
Band17	10	23800	50	#0	QPSK	716.00	-36.37	-13	PASS
Band17	10	23800	50	#0	QAM16	716.02	-36.70	-13	PASS

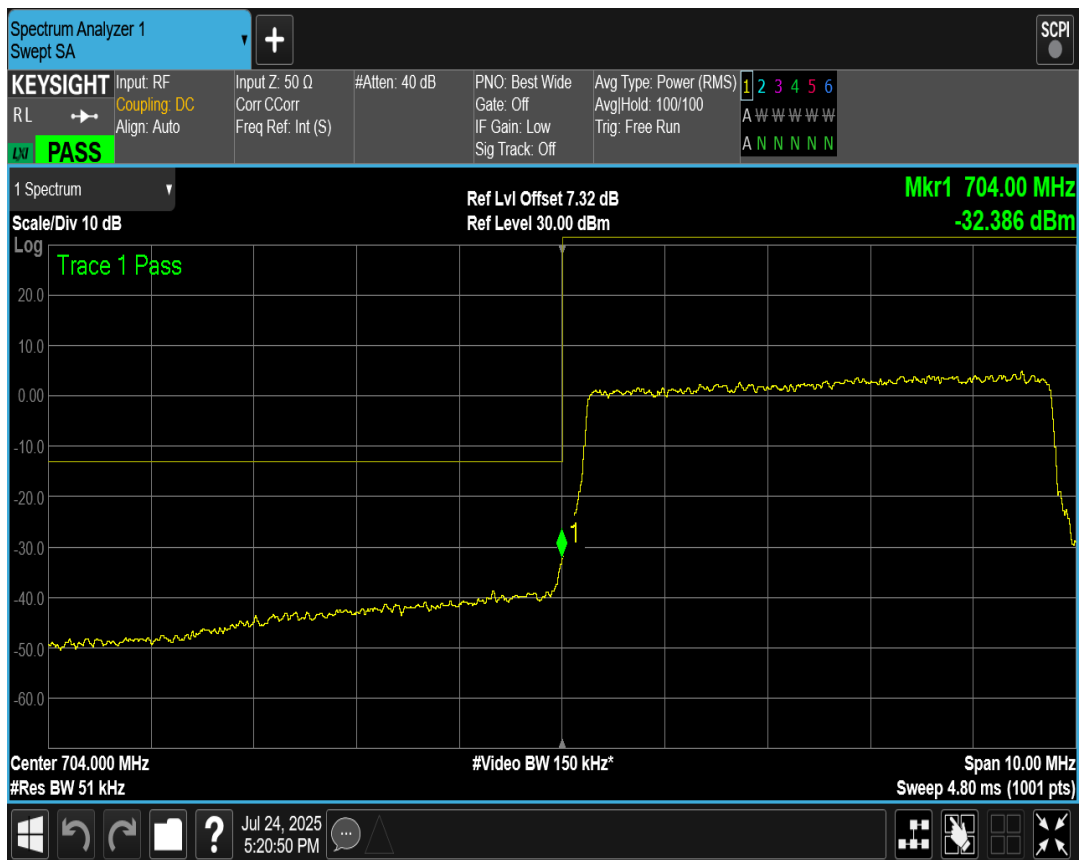
Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0



Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0



Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



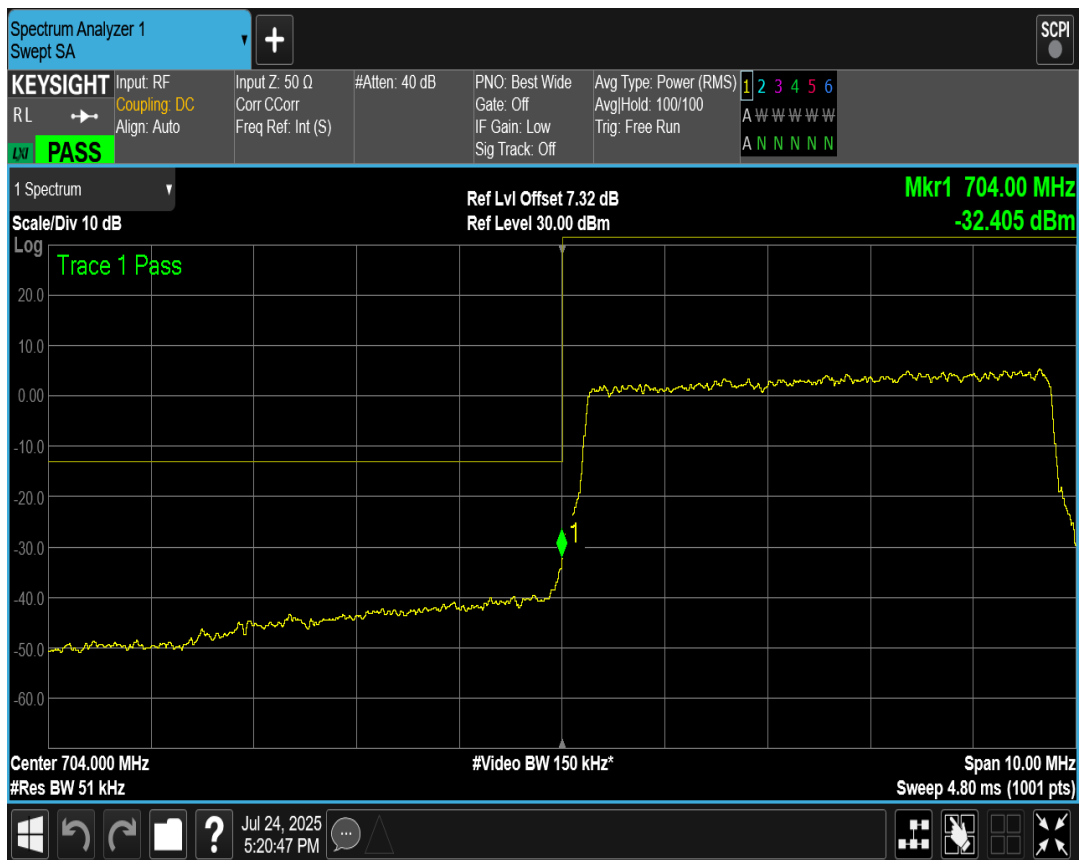
Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0



Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0



Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



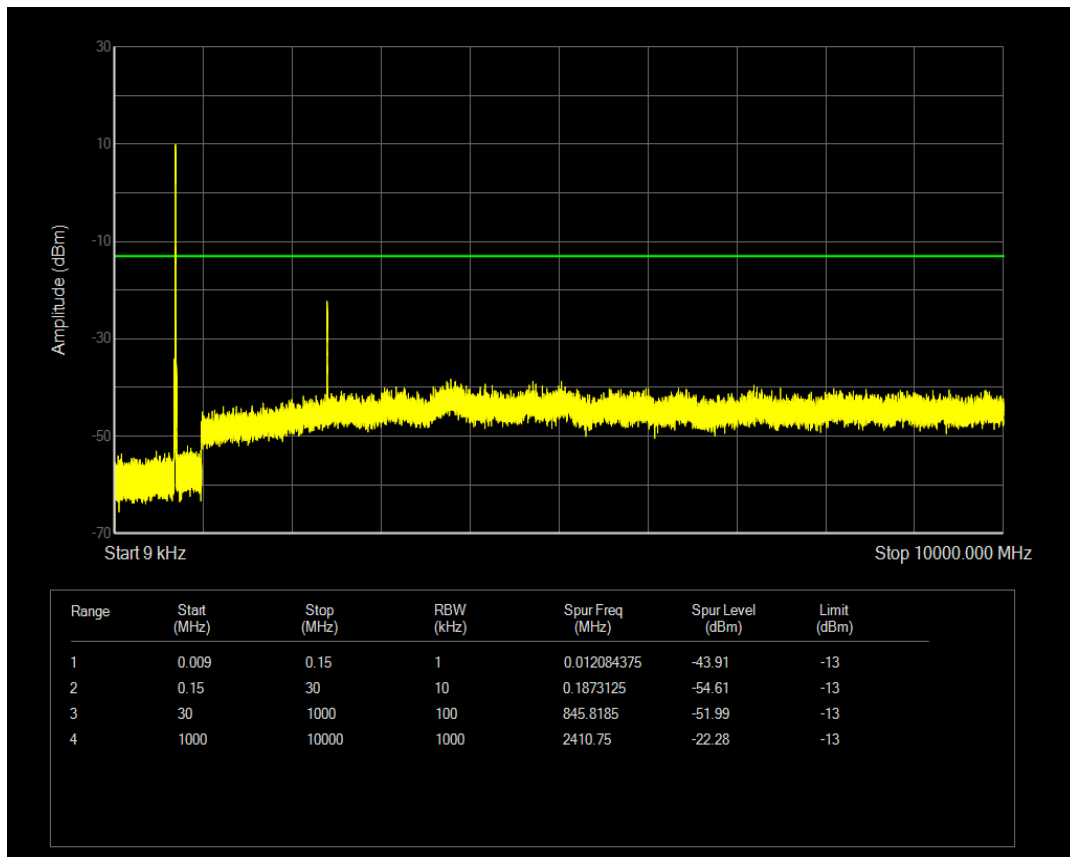
Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0



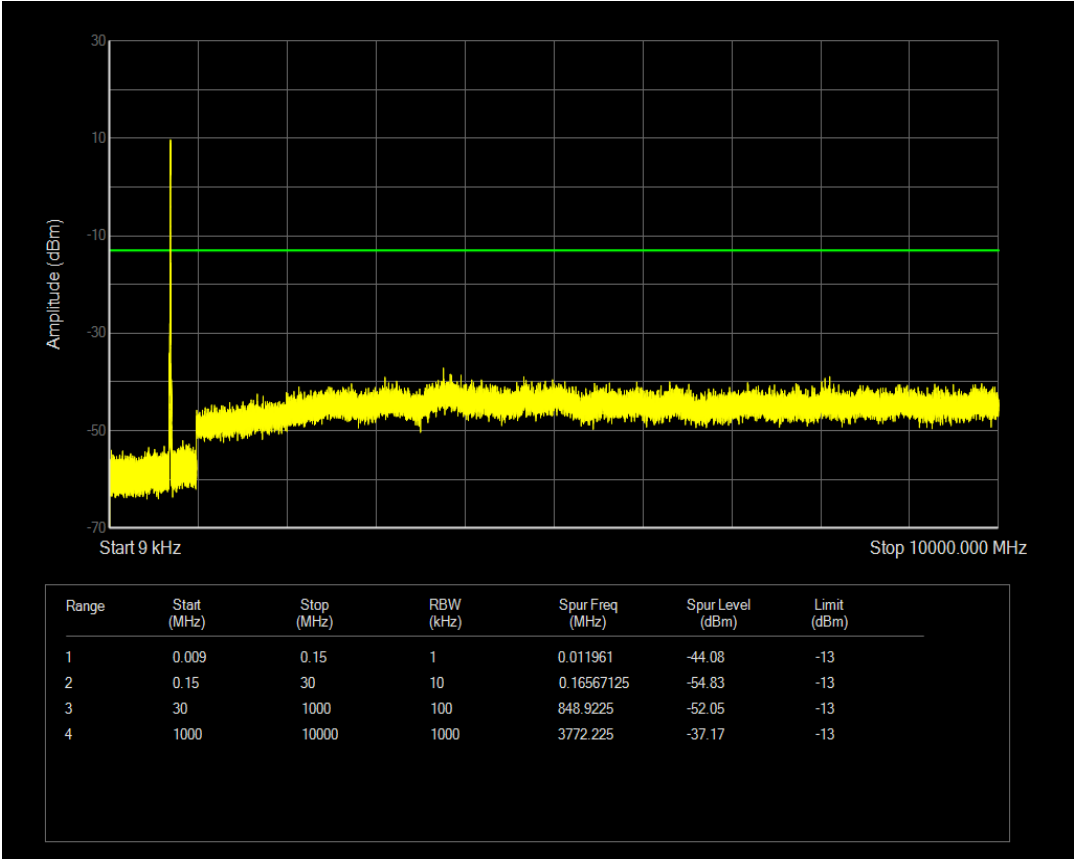
6 Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QPSK	2409.85	-25.64	-13	PASS
Band17	5	23755	25	#0	QAM16	2414.13	-27.23	-13	PASS
Band17	5	23825	25	#0	QPSK	2410.30	-26.15	-13	PASS
Band17	5	23825	25	#0	QAM16	2410.75	-21.49	-13	PASS
Band17	10	23780	50	#0	QPSK	2411.20	-23.02	-13	PASS
Band17	10	23780	50	#0	QAM16	3772.23	-37.17	-13	PASS
Band17	10	23800	50	#0	QPSK	3758.73	-38.57	-13	PASS
Band17	10	23800	50	#0	QAM16	2410.75	-22.28	-13	PASS

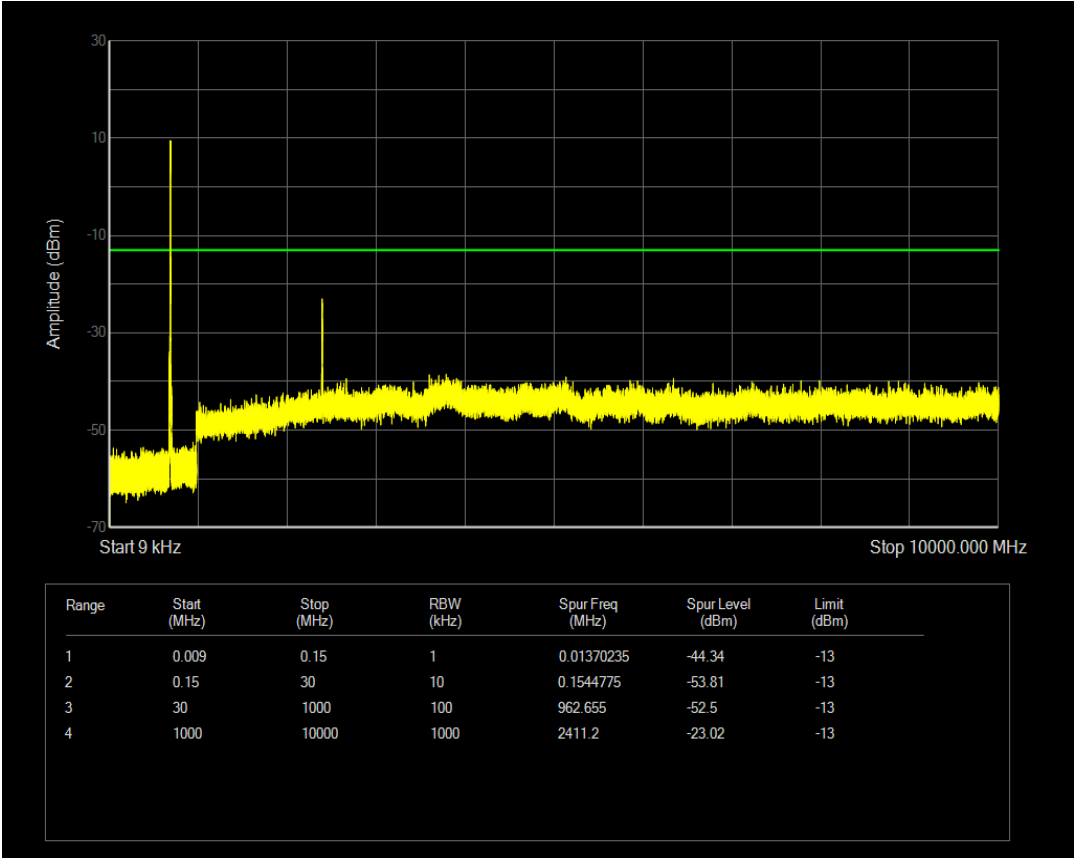
Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0



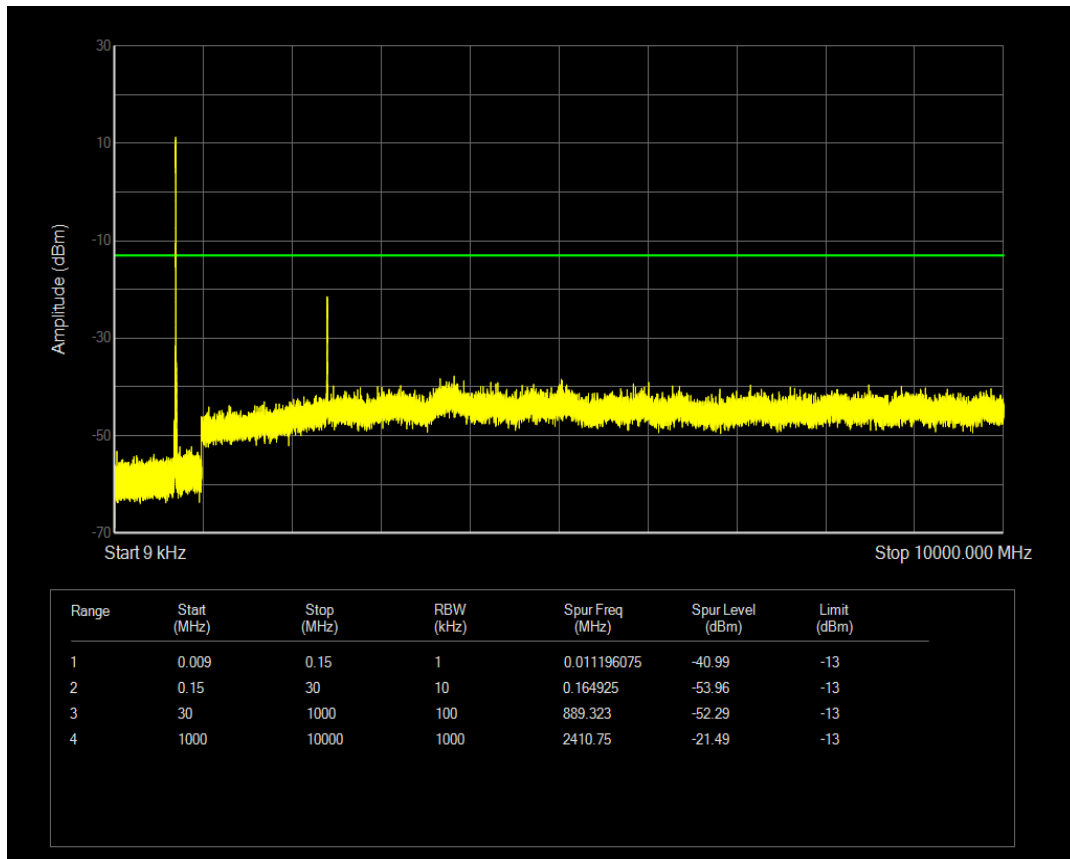
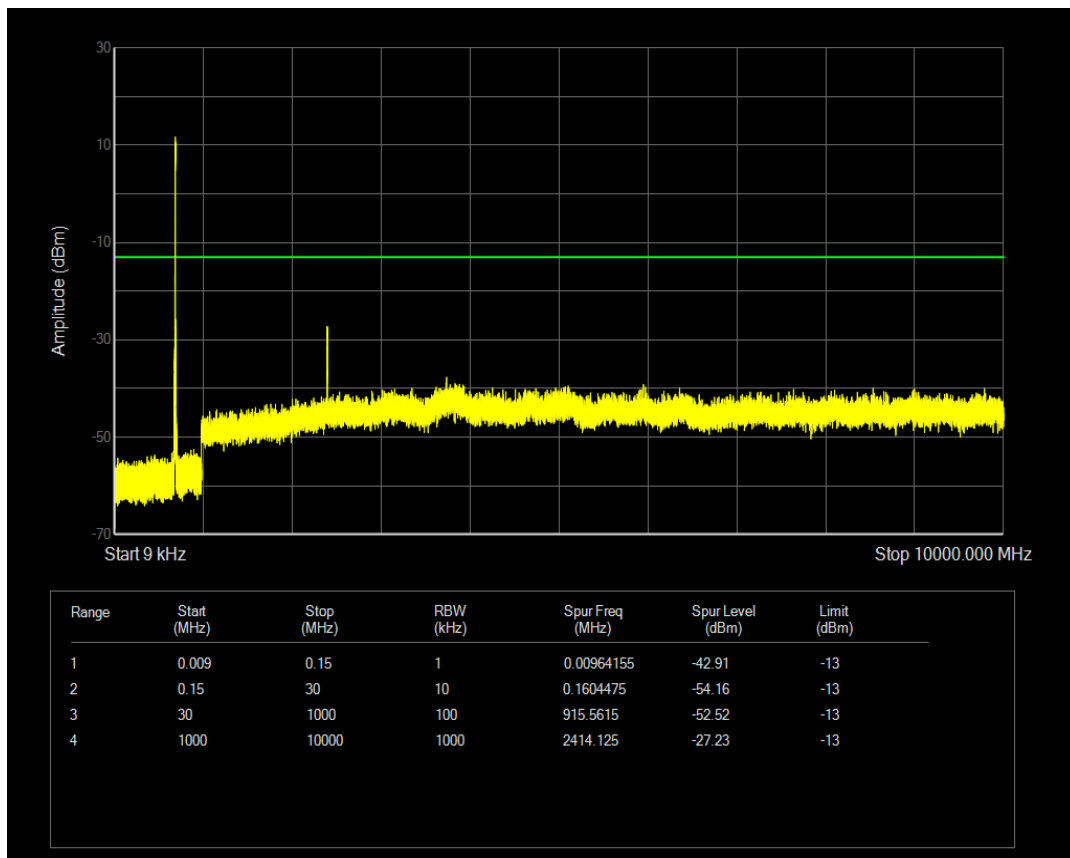
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0

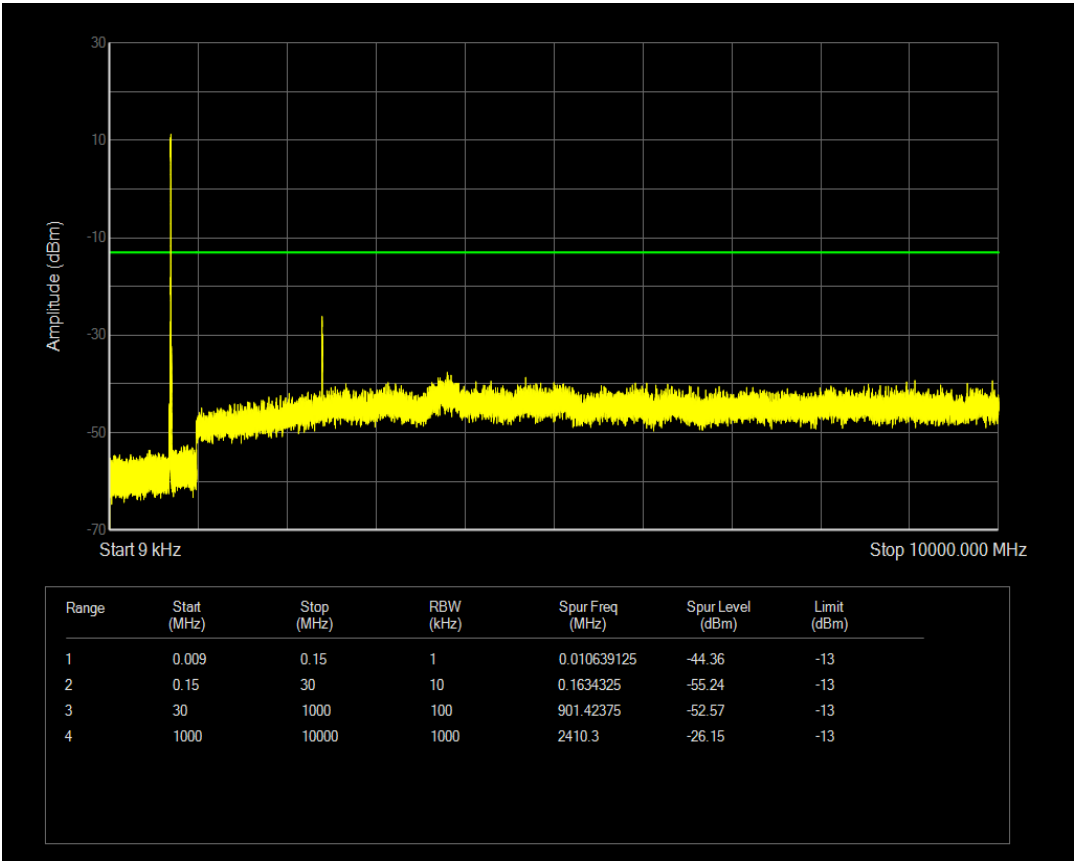


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

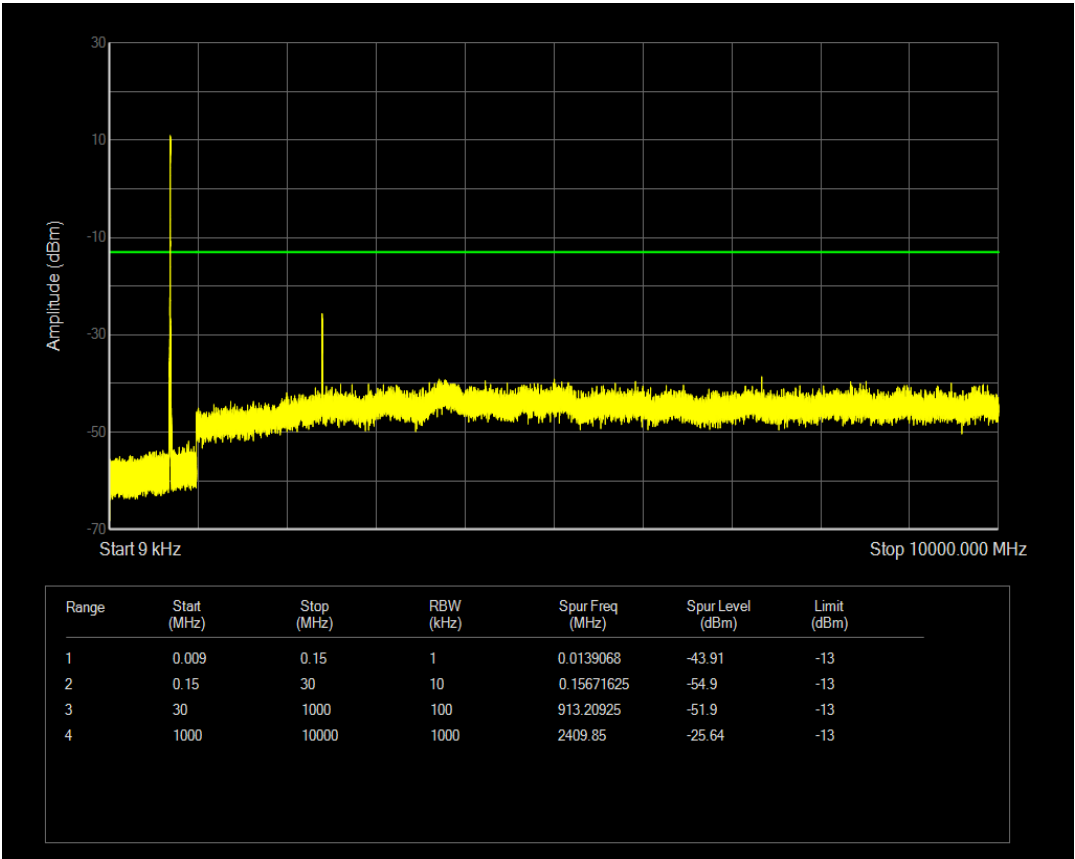


Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0

**Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0****Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0**



Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0

