

TABLE OF CONTENTS

1 Conducted output power2

2 Frequency stability5

3 Peak-to-Average Ratio.....6

4 Occupied bandwidth.....9

5 Band edge.....16

6 Out-of-band emissions21

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Conducted output power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5	23755	1	#0	QPSK	22.83	-6	-8.15	14.68	34.77	PASS
Band17	5	23755	1	#Mid	QPSK	22.86	-6	-8.15	14.71	34.77	PASS
Band17	5	23755	1	#Max	QPSK	22.83	-6	-8.15	14.68	34.77	PASS
Band17	5	23755	12	#0	QPSK	22.50	-6	-8.15	14.35	34.77	PASS
Band17	5	23755	12	#Mid	QPSK	22.51	-6	-8.15	14.36	34.77	PASS
Band17	5	23755	12	#Max	QPSK	22.37	-6	-8.15	14.22	34.77	PASS
Band17	5	23755	25	#0	QPSK	22.52	-6	-8.15	14.37	34.77	PASS
Band17	5	23755	1	#0	QAM16	22.14	-6	-8.15	13.99	34.77	PASS
Band17	5	23755	1	#Mid	QAM16	22.02	-6	-8.15	13.87	34.77	PASS
Band17	5	23755	1	#Max	QAM16	21.99	-6	-8.15	13.84	34.77	PASS
Band17	5	23755	12	#0	QAM16	21.29	-6	-8.15	13.14	34.77	PASS
Band17	5	23755	12	#Mid	QAM16	21.24	-6	-8.15	13.09	34.77	PASS
Band17	5	23755	12	#Max	QAM16	21.78	-6	-8.15	13.63	34.77	PASS
Band17	5	23755	25	#0	QAM16	21.47	-6	-8.15	13.32	34.77	PASS
Band17	5	23790	1	#0	QPSK	22.83	-6	-8.15	14.68	34.77	PASS
Band17	5	23790	1	#Mid	QPSK	22.80	-6	-8.15	14.65	34.77	PASS
Band17	5	23790	1	#Max	QPSK	22.80	-6	-8.15	14.65	34.77	PASS
Band17	5	23790	12	#0	QPSK	22.37	-6	-8.15	14.22	34.77	PASS
Band17	5	23790	12	#Mid	QPSK	22.42	-6	-8.15	14.27	34.77	PASS
Band17	5	23790	12	#Max	QPSK	22.47	-6	-8.15	14.32	34.77	PASS
Band17	5	23790	25	#0	QPSK	22.37	-6	-8.15	14.22	34.77	PASS
Band17	5	23790	1	#0	QAM16	22.40	-6	-8.15	14.25	34.77	PASS
Band17	5	23790	1	#Mid	QAM16	22.47	-6	-8.15	14.32	34.77	PASS
Band17	5	23790	1	#Max	QAM16	22.39	-6	-8.15	14.24	34.77	PASS
Band17	5	23790	12	#0	QAM16	21.77	-6	-8.15	13.62	34.77	PASS
Band17	5	23790	12	#Mid	QAM16	21.39	-6	-8.15	13.24	34.77	PASS
Band17	5	23790	12	#Max	QAM16	21.30	-6	-8.15	13.15	34.77	PASS
Band17	5	23790	25	#0	QAM16	21.28	-6	-8.15	13.13	34.77	PASS
Band17	5	23825	1	#0	QPSK	22.89	-6	-8.15	14.74	34.77	PASS
Band17	5	23825	1	#Mid	QPSK	22.81	-6	-8.15	14.66	34.77	PASS
Band17	5	23825	1	#Max	QPSK	22.72	-6	-8.15	14.57	34.77	PASS
Band17	5	23825	12	#0	QPSK	22.44	-6	-8.15	14.29	34.77	PASS
Band17	5	23825	12	#Mid	QPSK	22.27	-6	-8.15	14.12	34.77	PASS
Band17	5	23825	12	#Max	QPSK	22.22	-6	-8.15	14.07	34.77	PASS
Band17	5	23825	25	#0	QPSK	22.41	-6	-8.15	14.26	34.77	PASS
Band17	5	23825	1	#0	QAM16	22.50	-6	-8.15	14.35	34.77	PASS
Band17	5	23825	1	#Mid	QAM16	22.43	-6	-8.15	14.28	34.77	PASS

Band17	5	23825	1	#Max	QAM16	22.40	-6	-8.15	14.25	34.77	PASS
Band17	5	23825	12	#0	QAM16	21.26	-6	-8.15	13.11	34.77	PASS
Band17	5	23825	12	#Mid	QAM16	21.70	-6	-8.15	13.55	34.77	PASS
Band17	5	23825	12	#Max	QAM16	21.68	-6	-8.15	13.53	34.77	PASS
Band17	5	23825	25	#0	QAM16	21.98	-6	-8.15	13.83	34.77	PASS
Band17	10	23780	1	#0	QPSK	23.03	-6	-8.15	14.88	34.77	PASS
Band17	10	23780	1	#Mid	QPSK	22.84	-6	-8.15	14.69	34.77	PASS
Band17	10	23780	1	#Max	QPSK	22.83	-6	-8.15	14.68	34.77	PASS
Band17	10	23780	25	#0	QPSK	22.54	-6	-8.15	14.39	34.77	PASS
Band17	10	23780	25	#Mid	QPSK	22.32	-6	-8.15	14.17	34.77	PASS
Band17	10	23780	25	#Max	QPSK	22.47	-6	-8.15	14.32	34.77	PASS
Band17	10	23780	50	#0	QPSK	22.48	-6	-8.15	14.33	34.77	PASS
Band17	10	23780	1	#0	QAM16	23.45	-6	-8.15	15.3	34.77	PASS
Band17	10	23780	1	#Mid	QAM16	23.40	-6	-8.15	15.25	34.77	PASS
Band17	10	23780	1	#Max	QAM16	23.40	-6	-8.15	15.25	34.77	PASS
Band17	10	23780	25	#0	QAM16	21.32	-6	-8.15	13.17	34.77	PASS
Band17	10	23780	25	#Mid	QAM16	21.70	-6	-8.15	13.55	34.77	PASS
Band17	10	23780	25	#Max	QAM16	21.39	-6	-8.15	13.24	34.77	PASS
Band17	10	23780	50	#0	QAM16	21.73	-6	-8.15	13.58	34.77	PASS
Band17	10	23790	1	#0	QPSK	23.04	-6	-8.15	14.89	34.77	PASS
Band17	10	23790	1	#Mid	QPSK	23.01	-6	-8.15	14.86	34.77	PASS
Band17	10	23790	1	#Max	QPSK	22.86	-6	-8.15	14.71	34.77	PASS
Band17	10	23790	25	#0	QPSK	22.35	-6	-8.15	14.2	34.77	PASS
Band17	10	23790	25	#Mid	QPSK	22.40	-6	-8.15	14.25	34.77	PASS
Band17	10	23790	25	#Max	QPSK	22.47	-6	-8.15	14.32	34.77	PASS
Band17	10	23790	50	#0	QPSK	22.35	-6	-8.15	14.2	34.77	PASS
Band17	10	23790	1	#0	QAM16	22.47	-6	-8.15	14.32	34.77	PASS
Band17	10	23790	1	#Mid	QAM16	22.46	-6	-8.15	14.31	34.77	PASS
Band17	10	23790	1	#Max	QAM16	22.33	-6	-8.15	14.18	34.77	PASS
Band17	10	23790	25	#0	QAM16	21.86	-6	-8.15	13.71	34.77	PASS
Band17	10	23790	25	#Mid	QAM16	21.45	-6	-8.15	13.3	34.77	PASS
Band17	10	23790	25	#Max	QAM16	21.42	-6	-8.15	13.27	34.77	PASS
Band17	10	23790	50	#0	QAM16	21.45	-6	-8.15	13.3	34.77	PASS
Band17	10	23800	1	#0	QPSK	22.94	-6	-8.15	14.79	34.77	PASS
Band17	10	23800	1	#Mid	QPSK	22.93	-6	-8.15	14.78	34.77	PASS
Band17	10	23800	1	#Max	QPSK	22.82	-6	-8.15	14.67	34.77	PASS
Band17	10	23800	25	#0	QPSK	22.38	-6	-8.15	14.23	34.77	PASS
Band17	10	23800	25	#Mid	QPSK	22.28	-6	-8.15	14.13	34.77	PASS
Band17	10	23800	25	#Max	QPSK	22.26	-6	-8.15	14.11	34.77	PASS
Band17	10	23800	50	#0	QPSK	22.32	-6	-8.15	14.17	34.77	PASS
Band17	10	23800	1	#0	QAM16	22.27	-6	-8.15	14.12	34.77	PASS
Band17	10	23800	1	#Mid	QAM16	22.30	-6	-8.15	14.15	34.77	PASS
Band17	10	23800	1	#Max	QAM16	22.21	-6	-8.15	14.06	34.77	PASS
Band17	10	23800	25	#0	QAM16	21.89	-6	-8.15	13.74	34.77	PASS

Band17	10	23800	25	#Mid	QAM16	21.37	-6	-8.15	13.22	34.77	PASS
Band17	10	23800	25	#Max	QAM16	21.82	-6	-8.15	13.67	34.77	PASS
Band17	10	23800	50	#0	QAM16	21.40	-6	-8.15	13.25	34.77	PASS

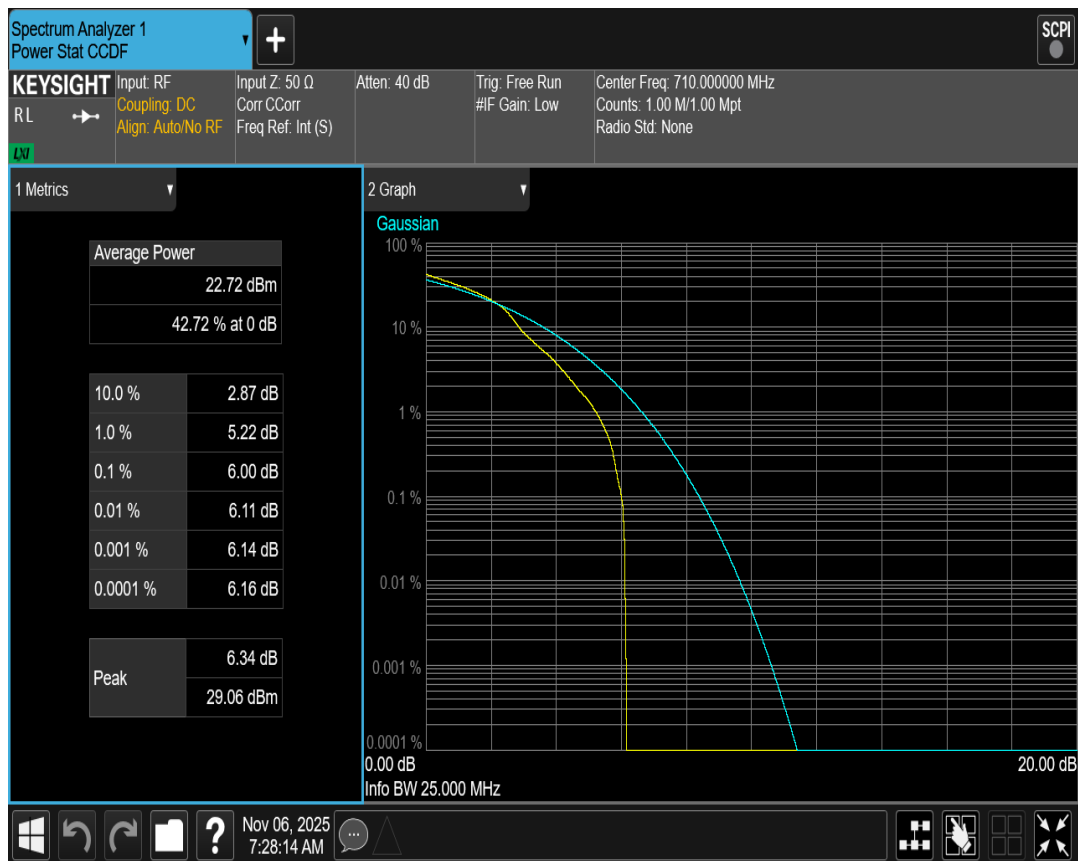
2 Frequency stability

<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	2.07	0.003	-2.5	2.5	PASS
Band17	10	23780	50	#0	QAM16	0.78	0.001	-2.5	2.5	PASS
Band17	10	23790	50	#0	QPSK	-5.52	-0.008	-2.5	2.5	PASS
Band17	10	23790	50	#0	QAM16	-6.03	-0.008	-2.5	2.5	PASS
Band17	10	23800	50	#0	QPSK	4.04	0.006	-2.5	2.5	PASS
Band17	10	23800	50	#0	QAM16	1.88	0.003	-2.5	2.5	PASS

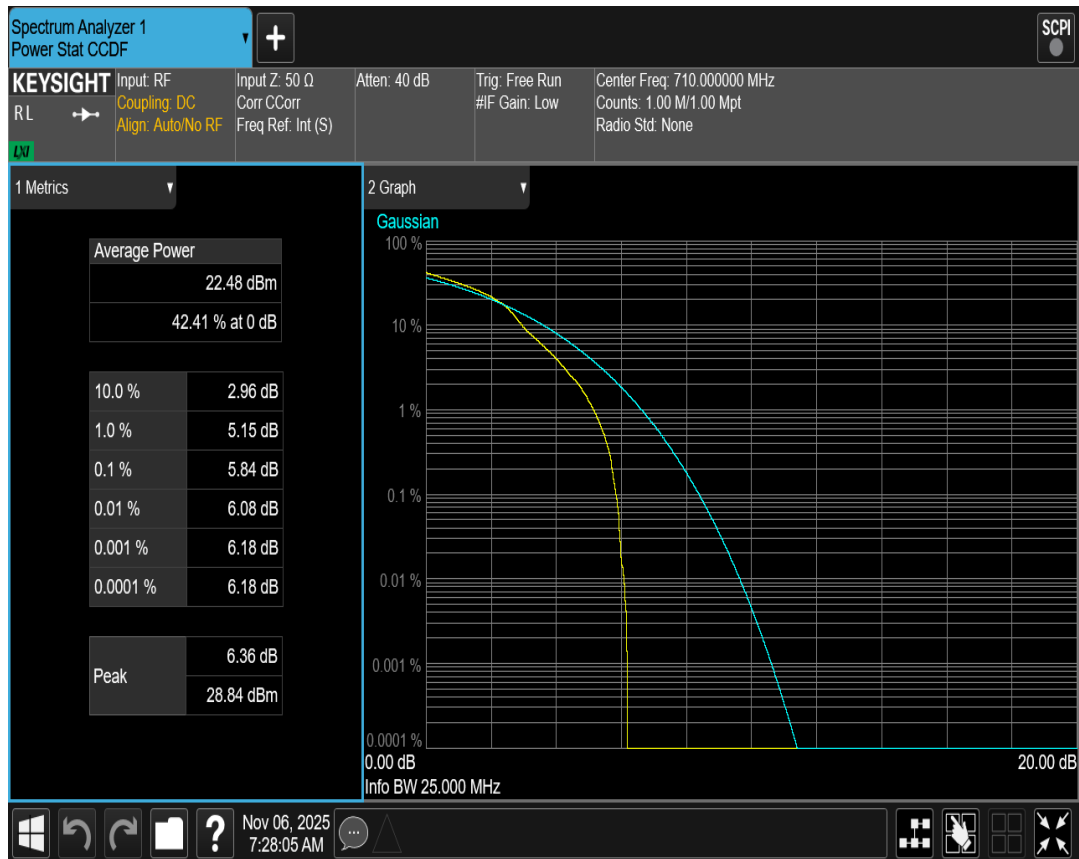
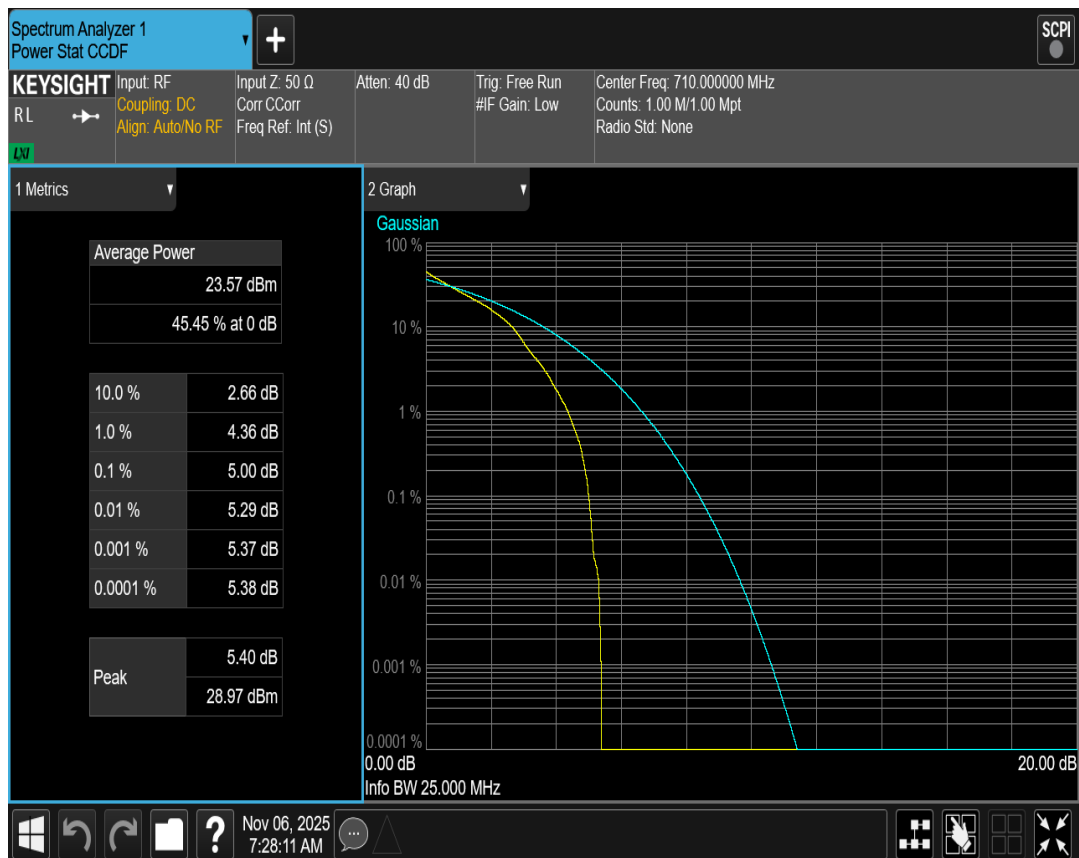
3 Peak-to-Average Ratio

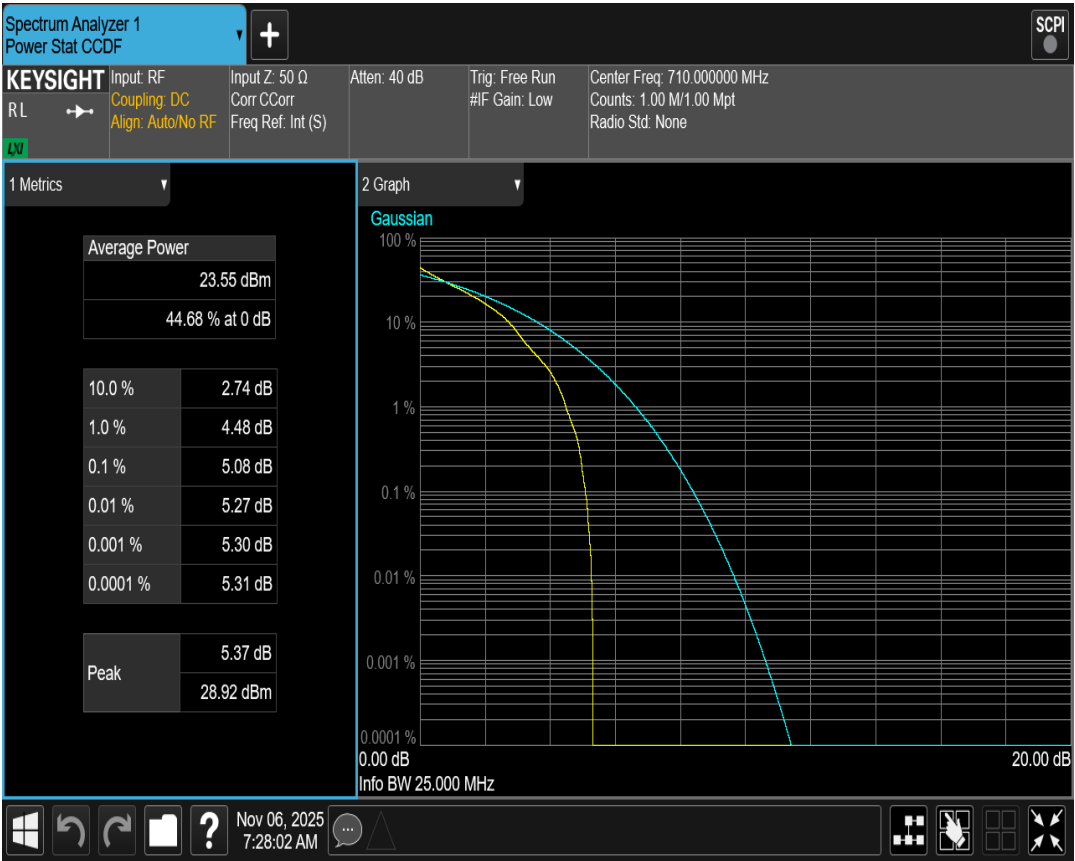
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band17	5	23790	1	#0	QPSK	5.08	13	PASS
Band17	5	23790	1	#0	QAM16	5.84	13	PASS
Band17	10	23790	1	#0	QPSK	5.00	13	PASS
Band17	10	23790	1	#0	QAM16	6.00	13	PASS

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



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

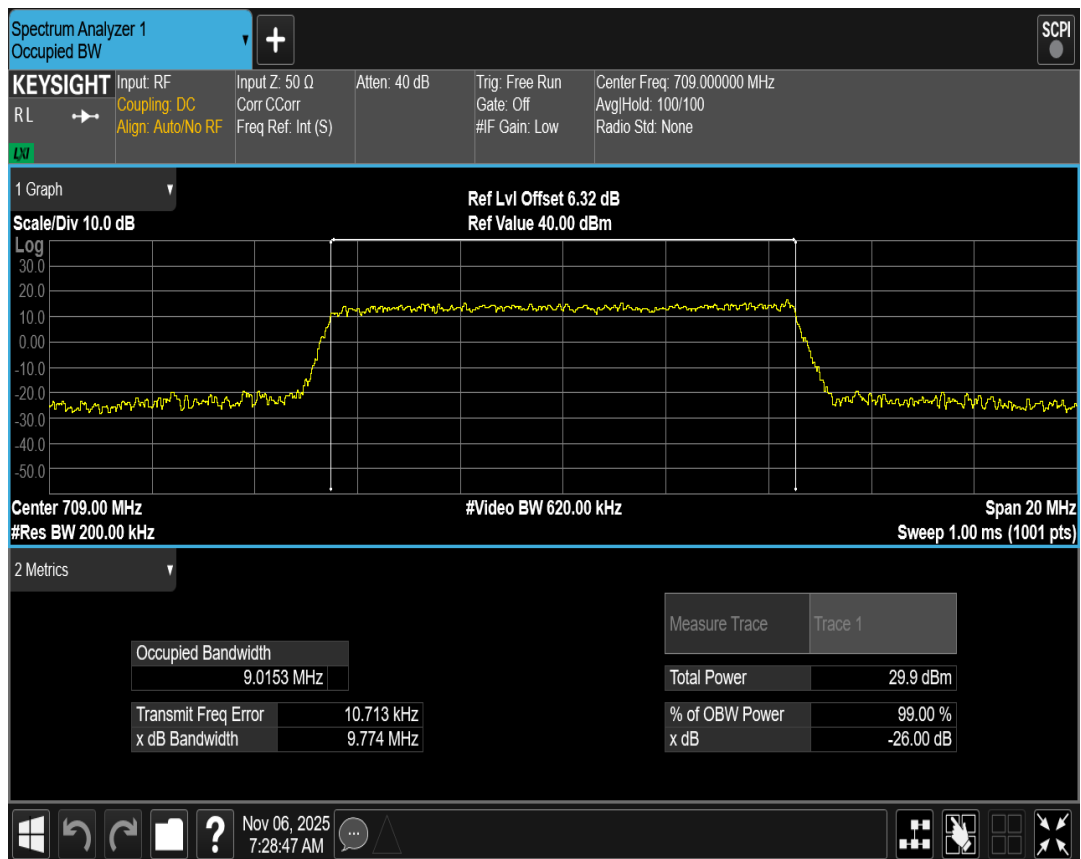
**Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0****Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0**



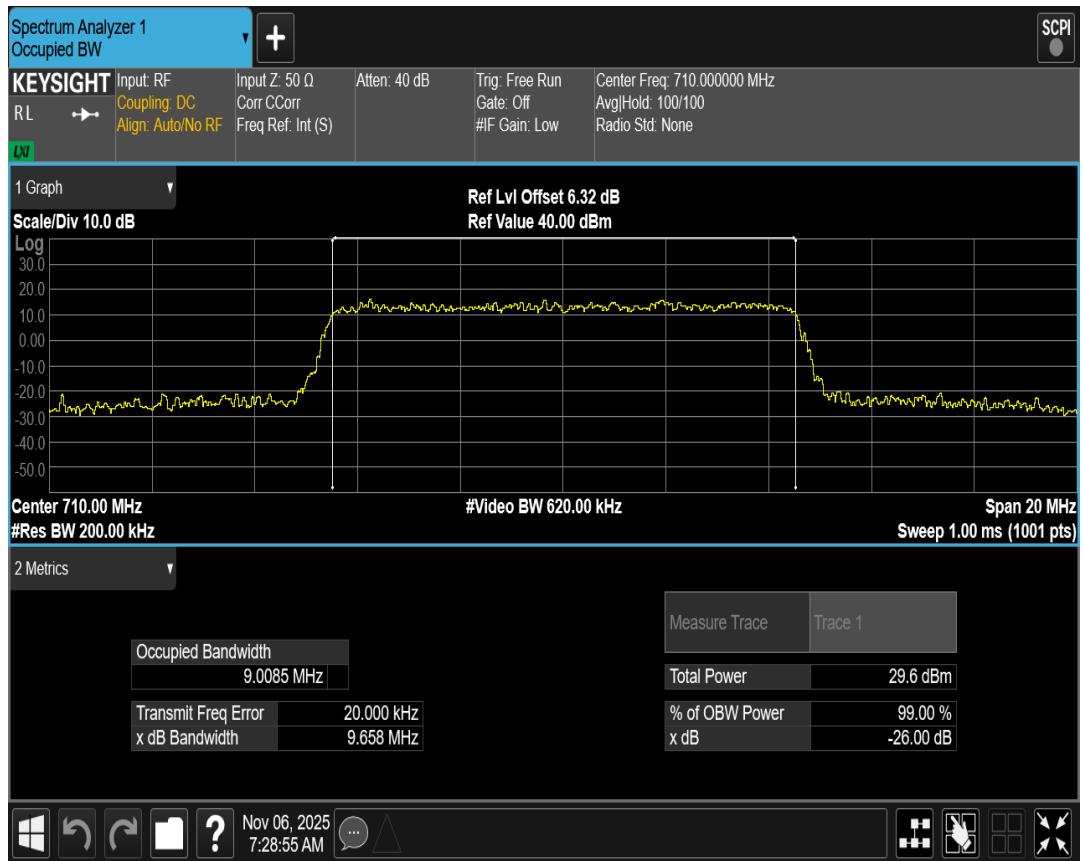
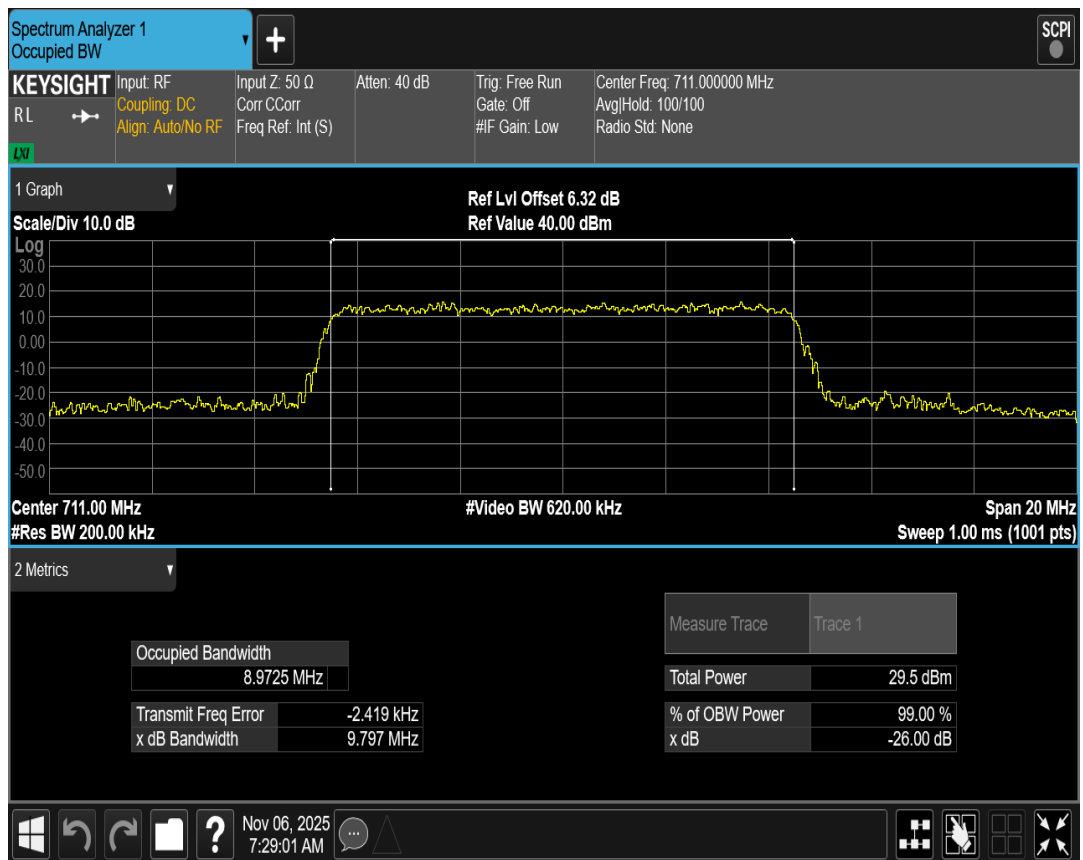
4 Occupied bandwidth

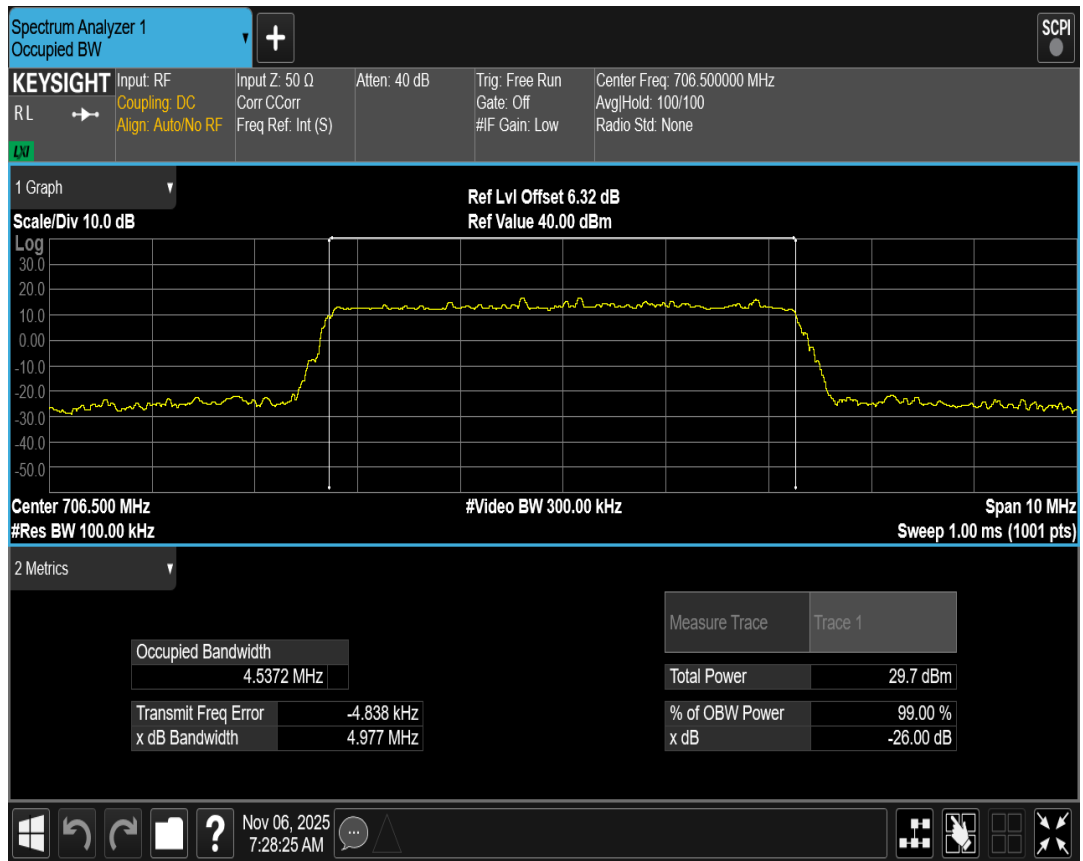
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band17	5	23755	25	#0	QPSK	4.521	4.960	PASS
Band17	5	23755	25	#0	QAM16	4.537	4.977	PASS
Band17	5	23790	25	#0	QPSK	4.519	4.955	PASS
Band17	5	23790	25	#0	QAM16	4.505	4.954	PASS
Band17	5	23825	25	#0	QPSK	4.508	4.944	PASS
Band17	5	23825	25	#0	QAM16	4.528	4.944	PASS
Band17	10	23780	50	#0	QPSK	8.991	9.868	PASS
Band17	10	23780	50	#0	QAM16	9.015	9.774	PASS
Band17	10	23790	50	#0	QPSK	8.969	9.739	PASS
Band17	10	23790	50	#0	QAM16	9.009	9.658	PASS
Band17	10	23800	50	#0	QPSK	8.996	9.742	PASS
Band17	10	23800	50	#0	QAM16	8.972	9.797	PASS

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

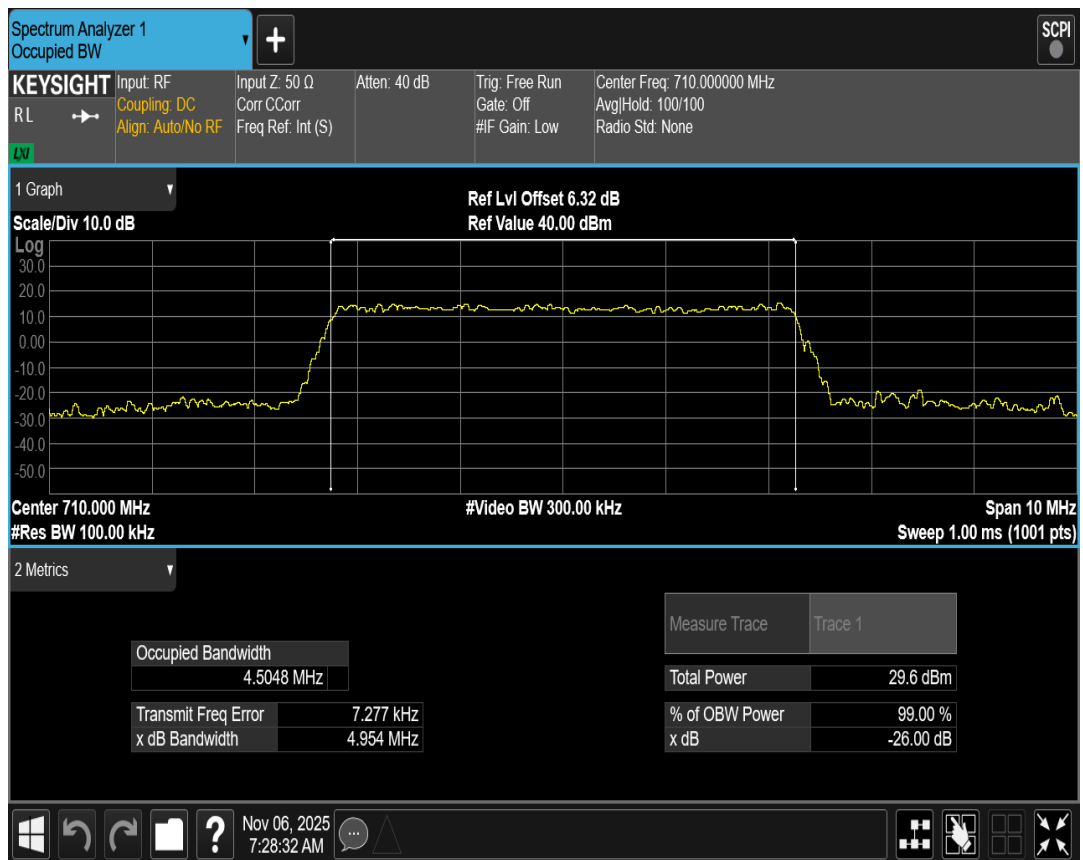


Band17 QAM16 BW=10MHz Channel=23790 RB Size=50 Position=#0

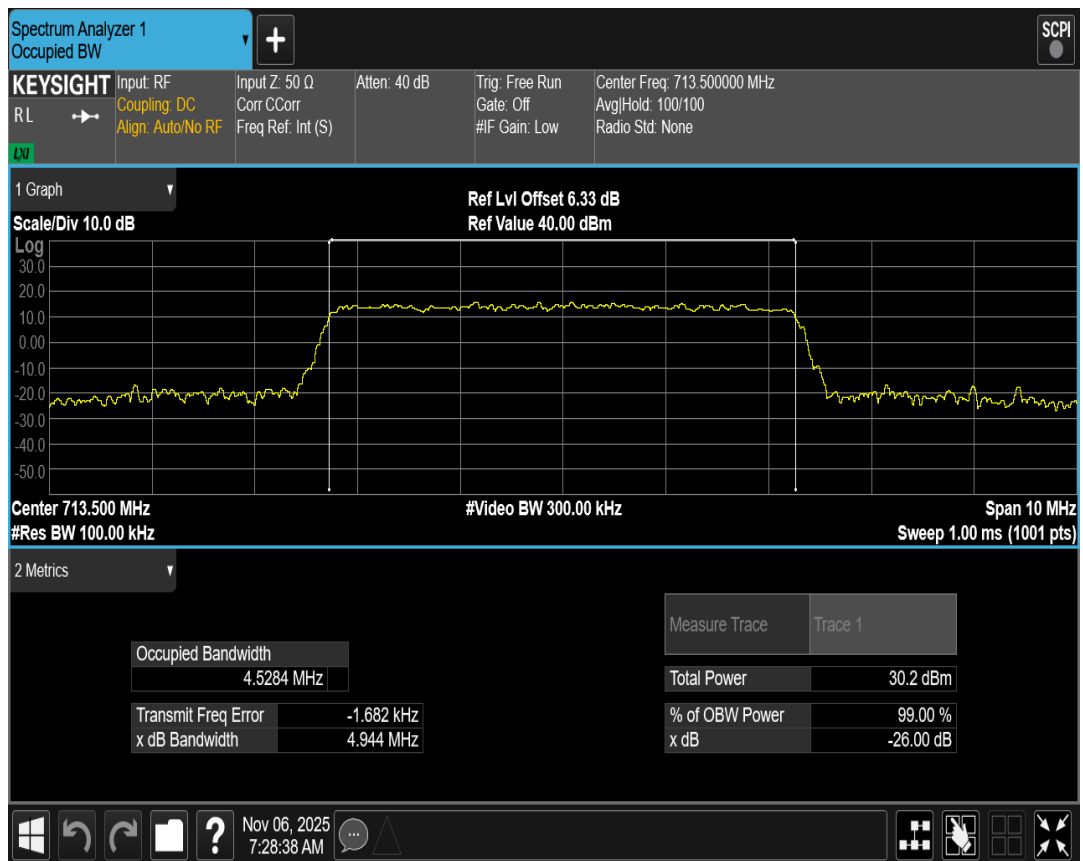
**Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0****Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0**



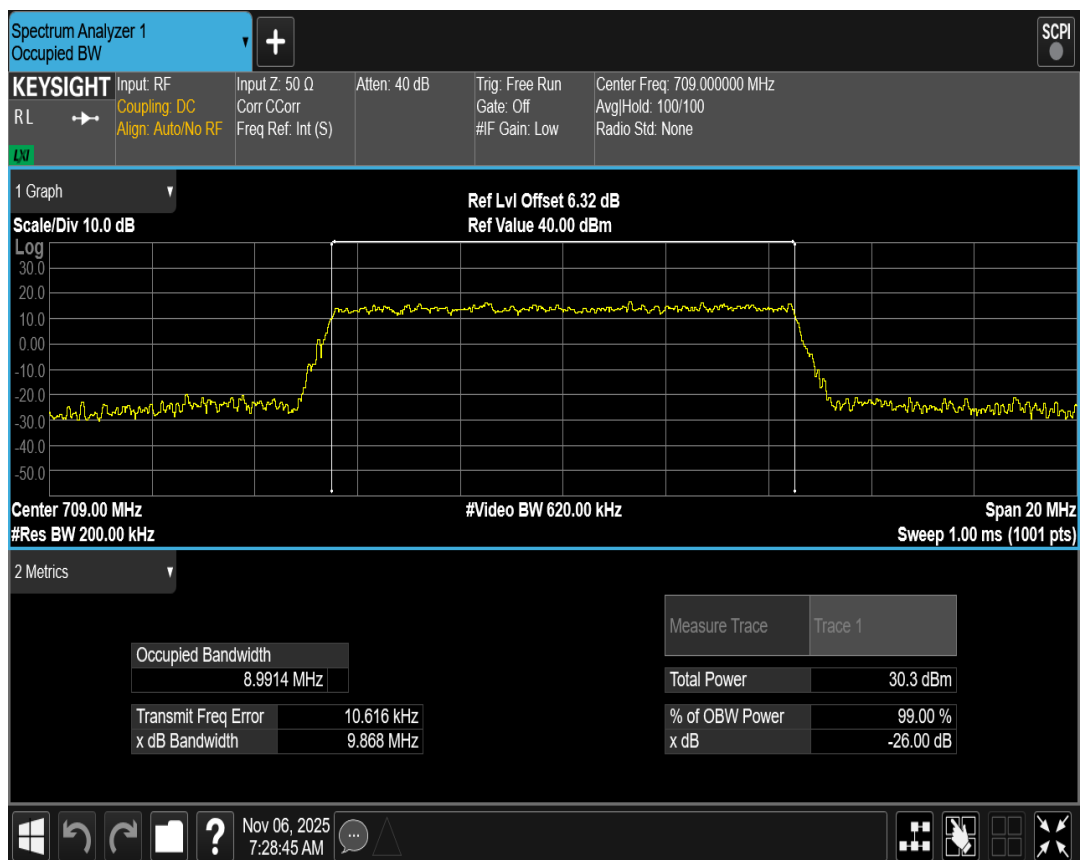
Band17 QAM16 BW=5MHz Channel=23790 RB Size=25 Position=#0



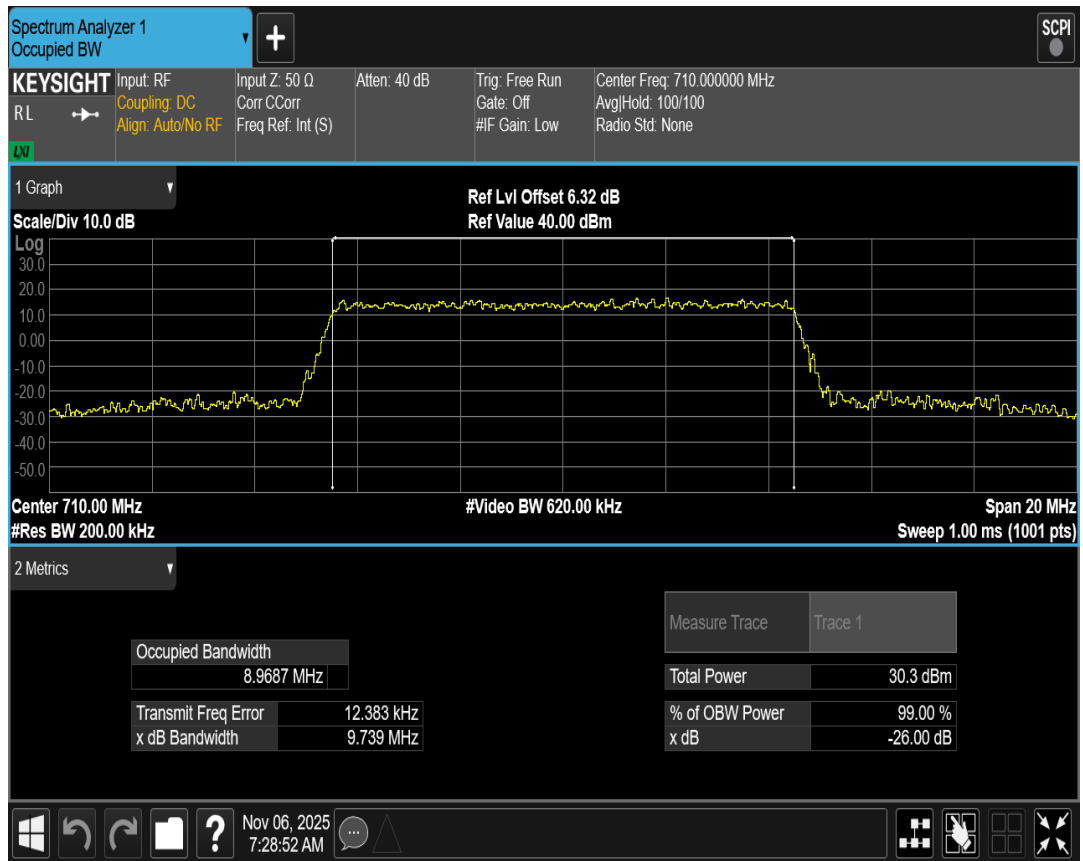
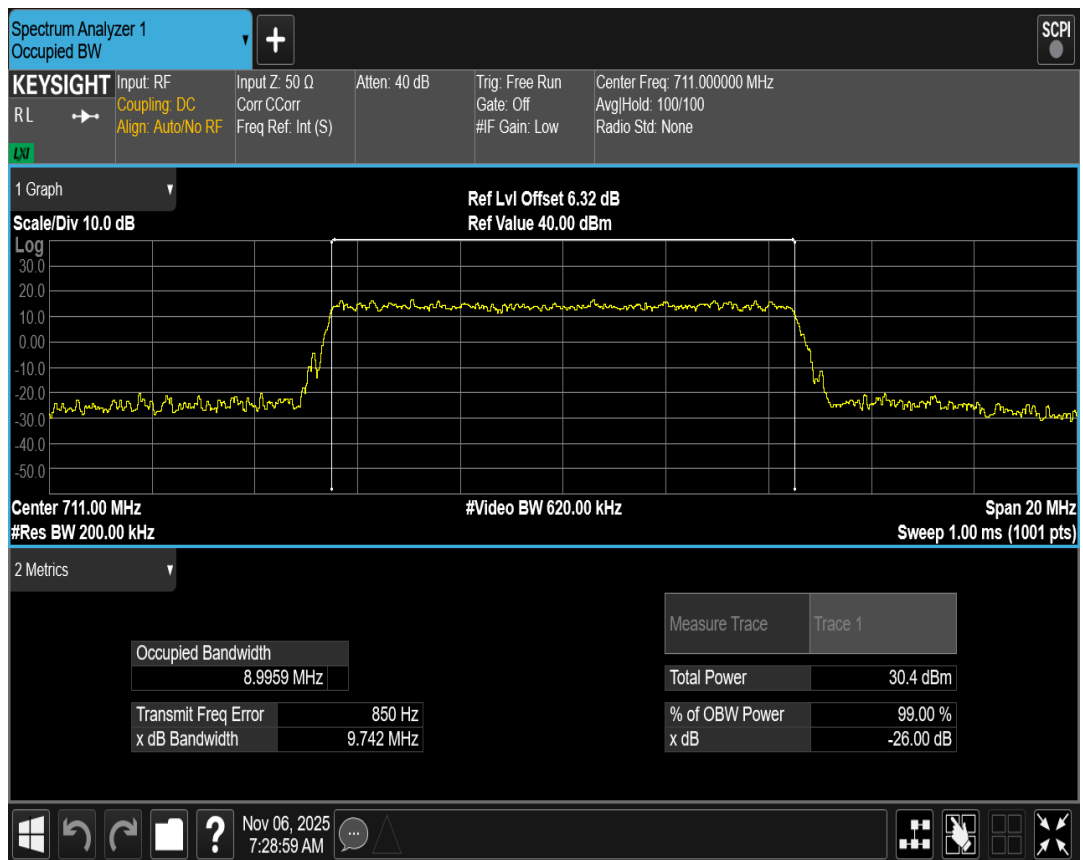
Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0

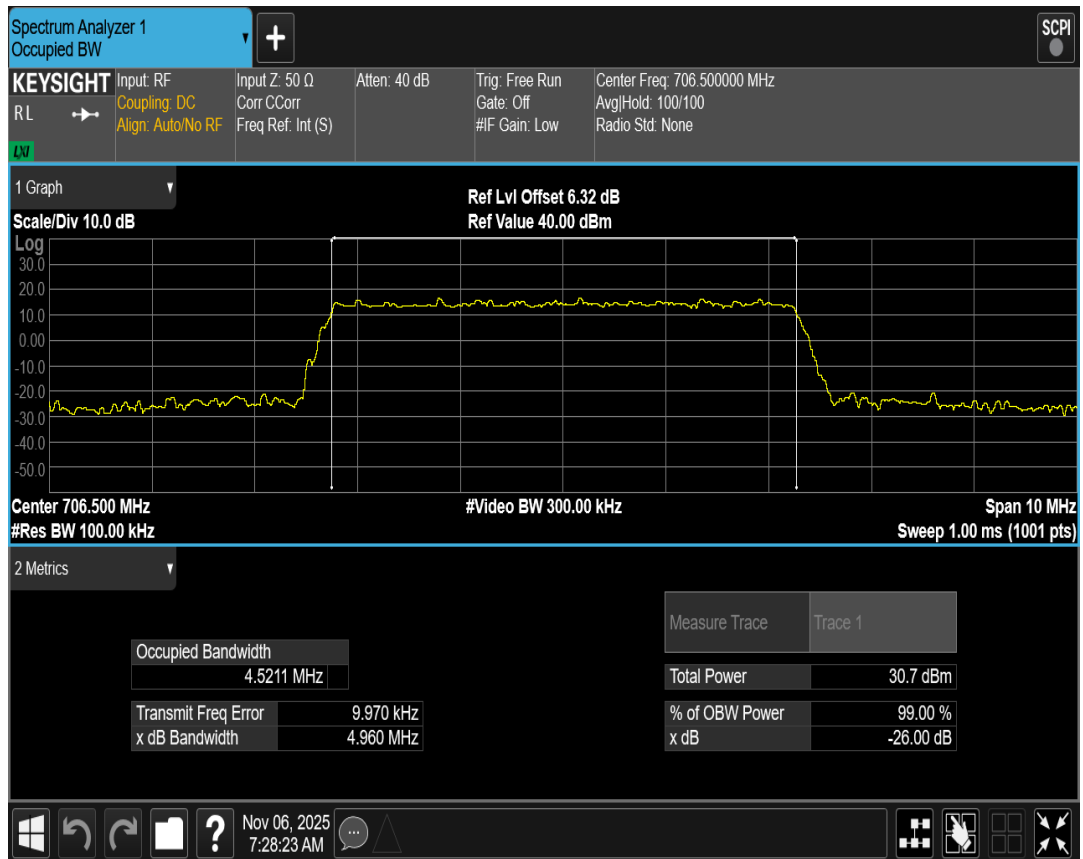
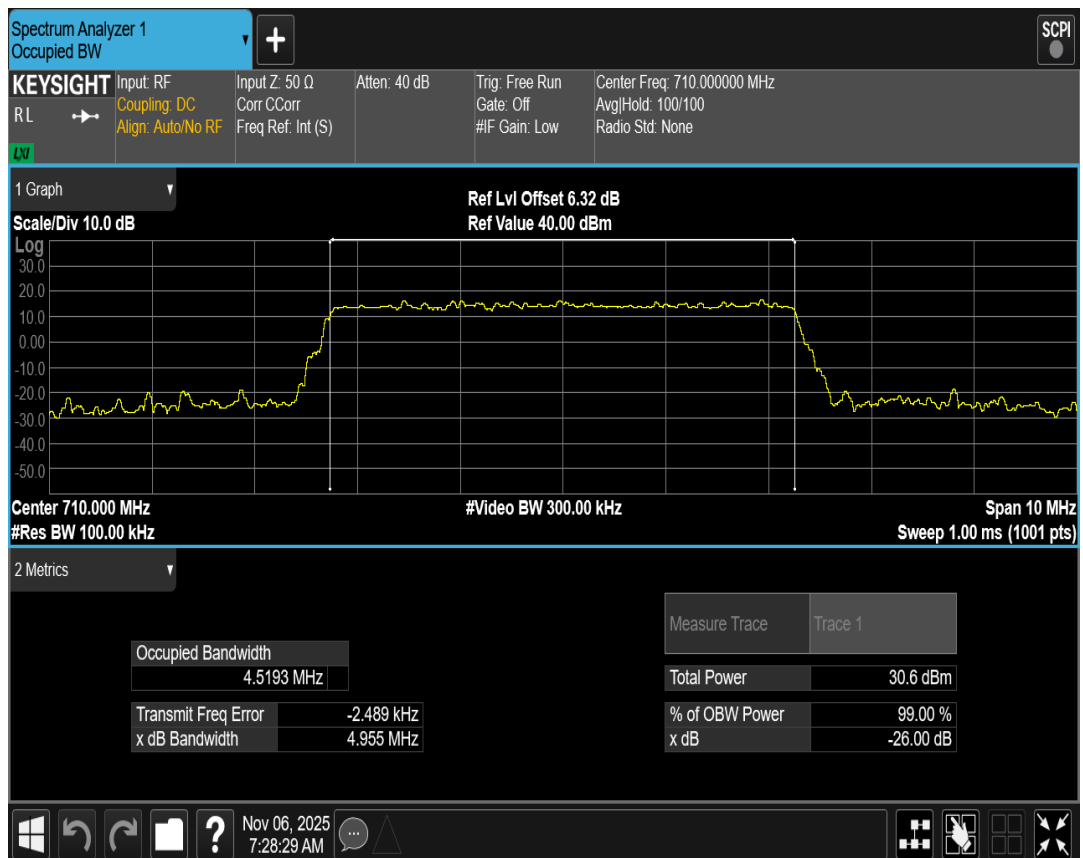


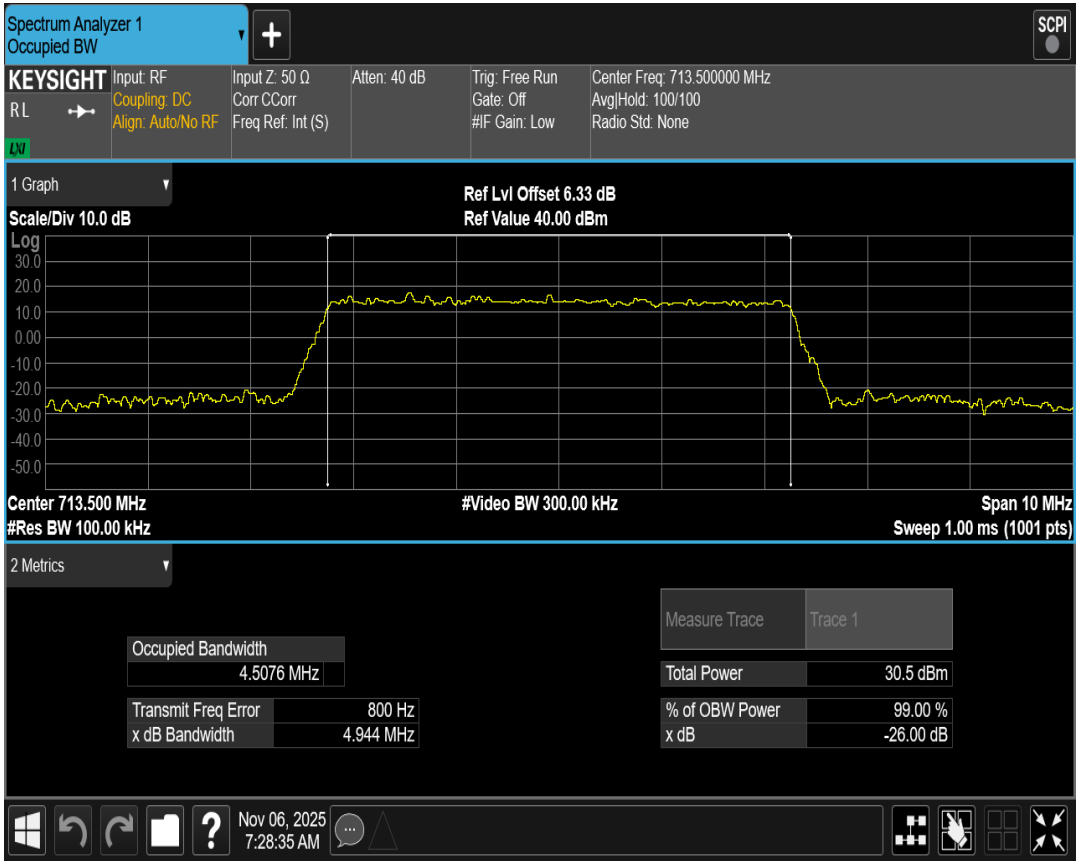
Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



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

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

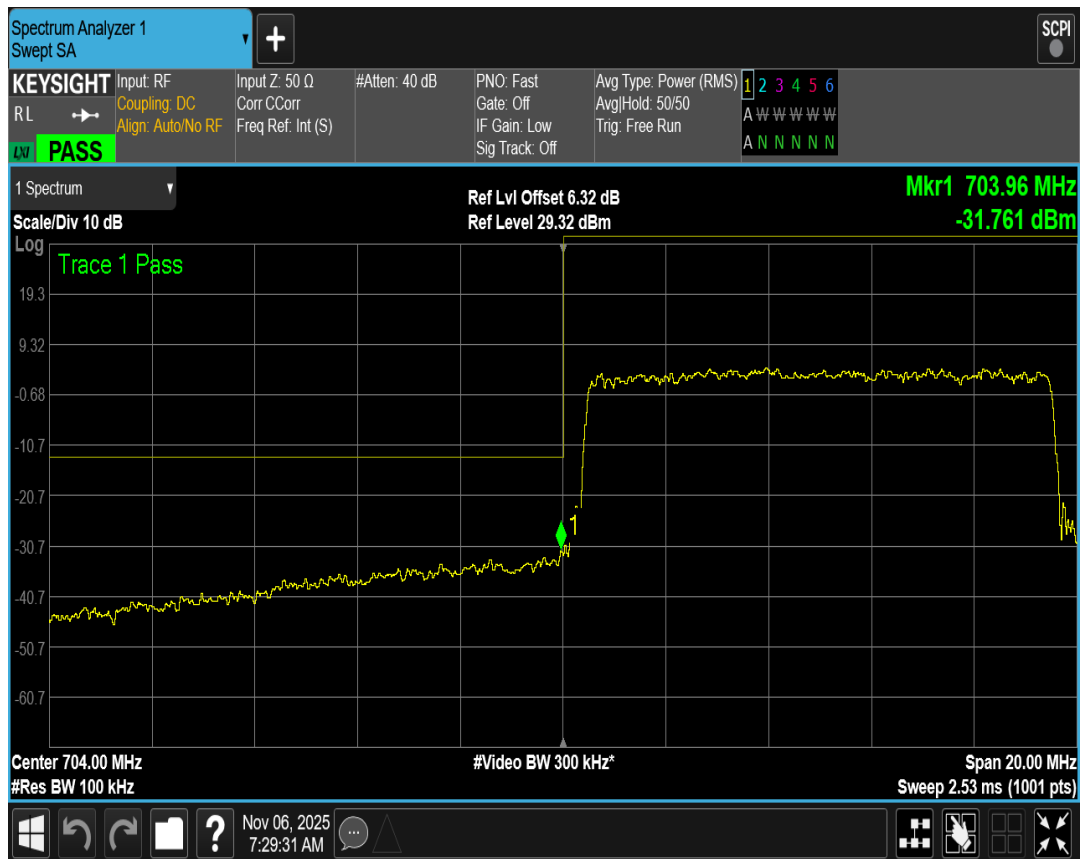
**Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0****Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0**



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	-28.89	-13	PASS
Band17	5	23755	25	#0	QAM16	704.00	-28.96	-13	PASS
Band17	5	23825	25	#0	QPSK	716.00	-31.24	-13	PASS
Band17	5	23825	25	#0	QAM16	716.02	-30.57	-13	PASS
Band17	10	23780	50	#0	QPSK	703.96	-33.88	-13	PASS
Band17	10	23780	50	#0	QAM16	703.96	-31.76	-13	PASS
Band17	10	23800	50	#0	QPSK	716.00	-30.70	-13	PASS
Band17	10	23800	50	#0	QAM16	716.02	-30.38	-13	PASS

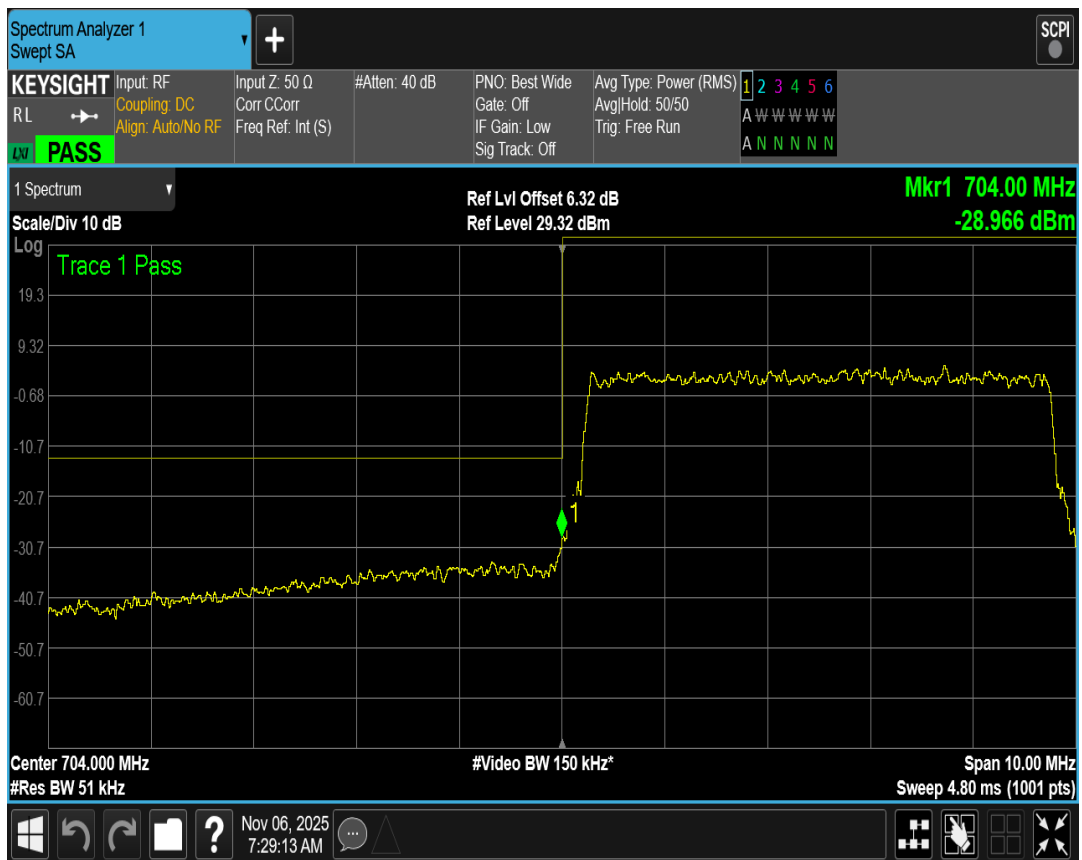
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



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



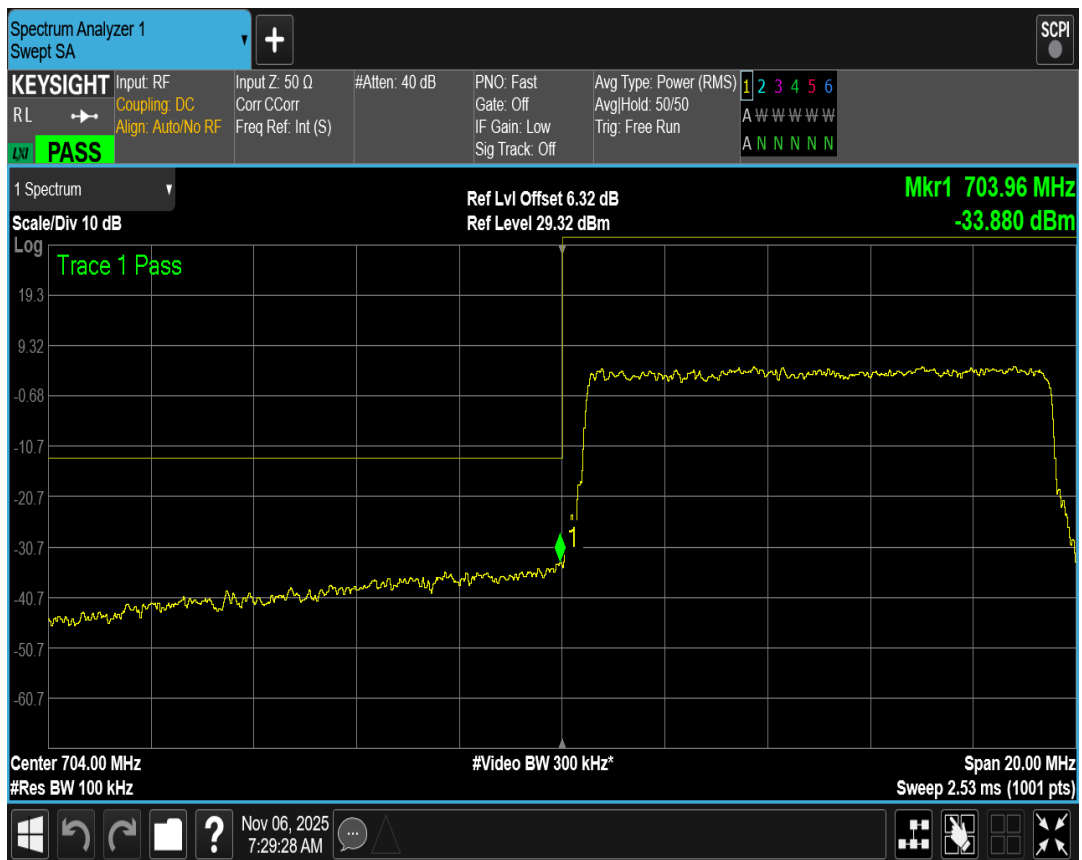
Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0



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



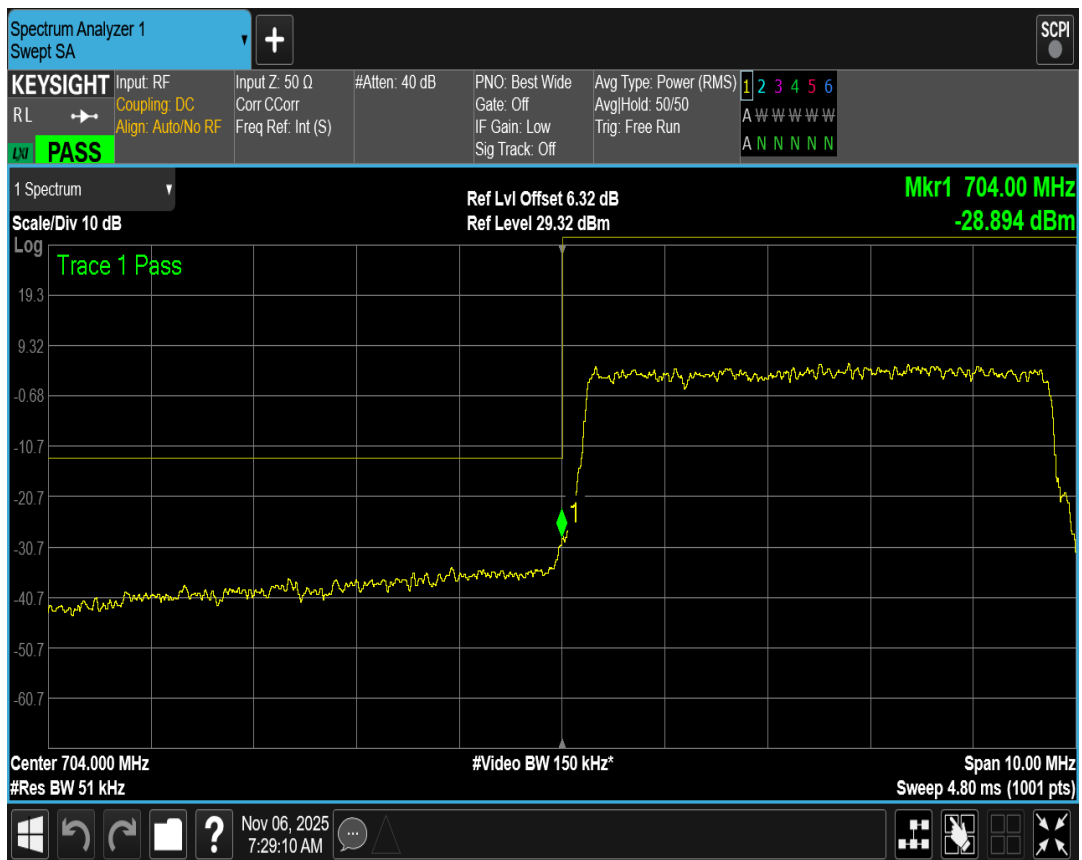
Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



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



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



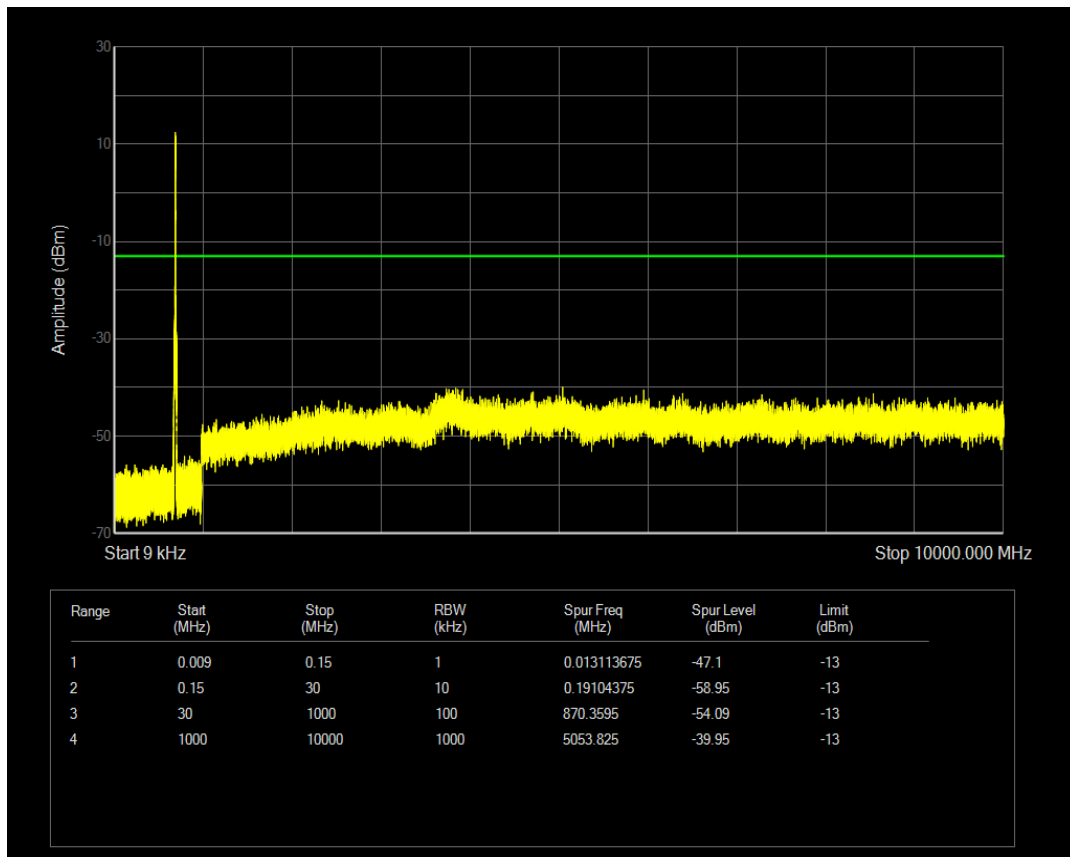
Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0



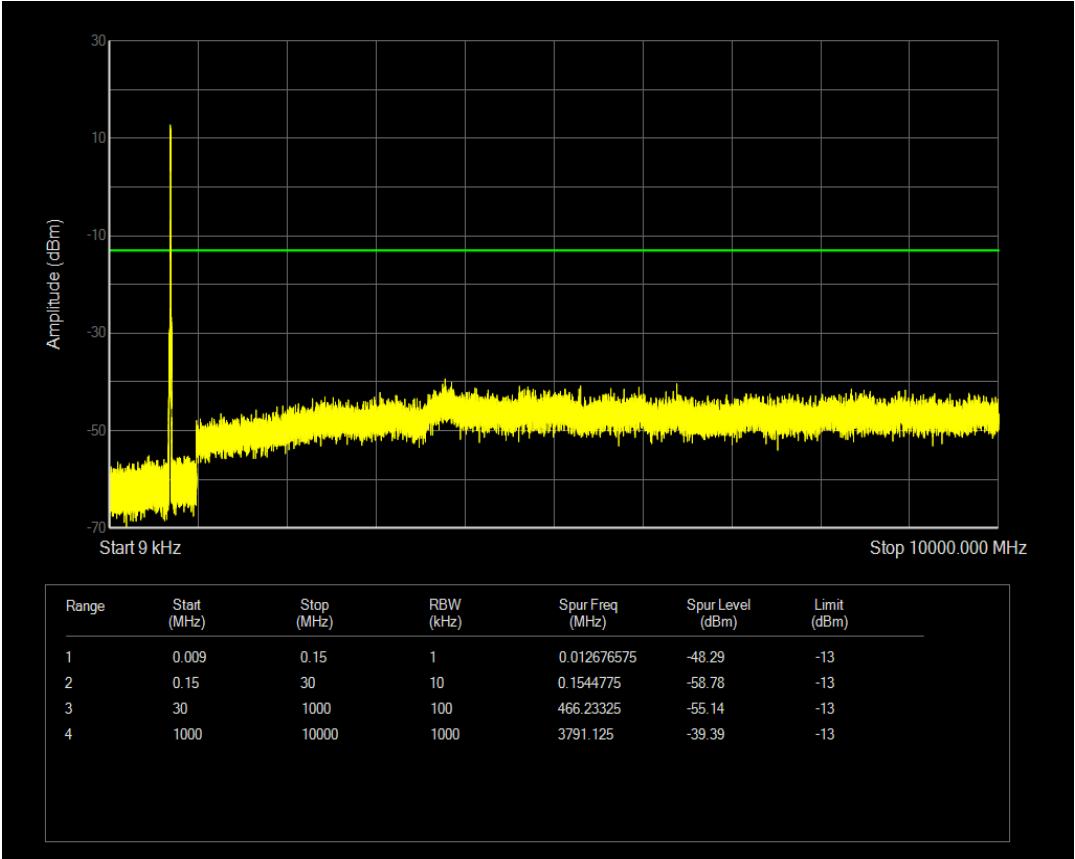
6 Out-of-band emissions

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	3772.00	-40.05	-13	PASS
Band17	5	23755	25	#0	QAM16	9322.08	-40.28	-13	PASS
Band17	5	23825	25	#0	QPSK	3714.18	-40.21	-13	PASS
Band17	5	23825	25	#0	QAM16	4666.83	-40.22	-13	PASS
Band17	10	23780	50	#0	QPSK	3836.80	-40.36	-13	PASS
Band17	10	23780	50	#0	QAM16	5053.83	-39.95	-13	PASS
Band17	10	23800	50	#0	QPSK	3760.98	-39.85	-13	PASS
Band17	10	23800	50	#0	QAM16	3791.13	-39.39	-13	PASS

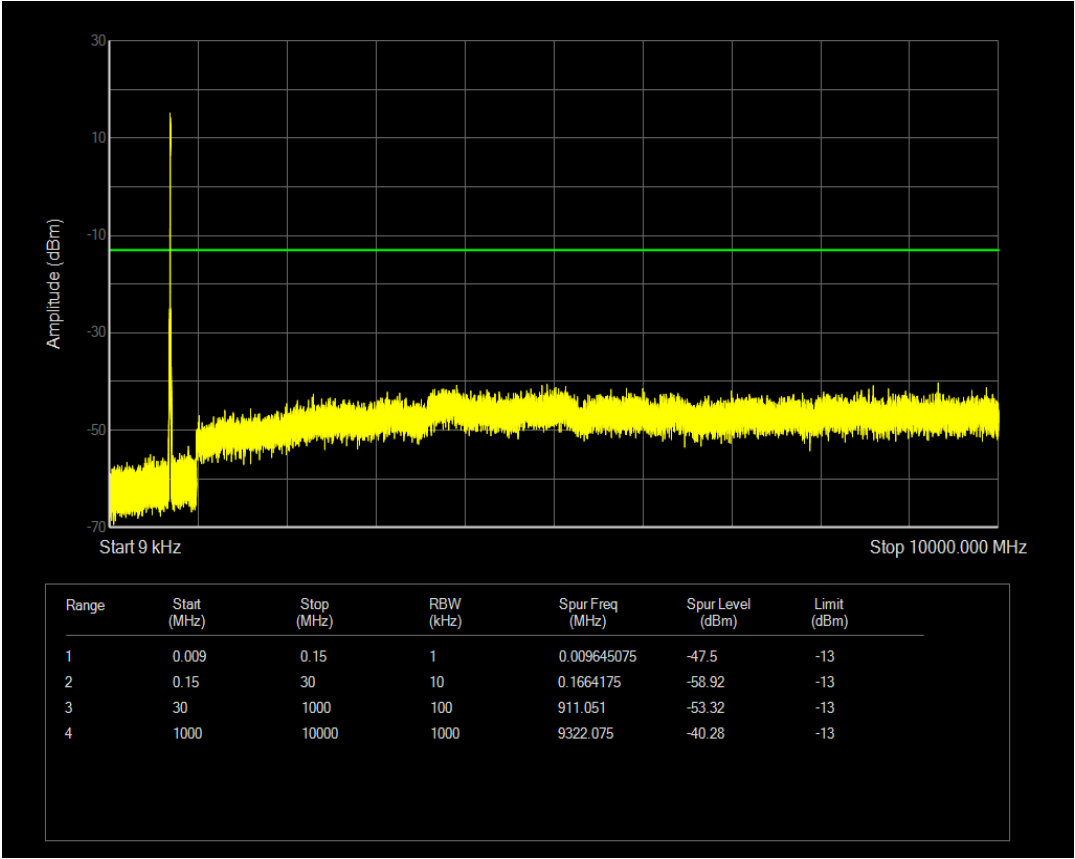
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



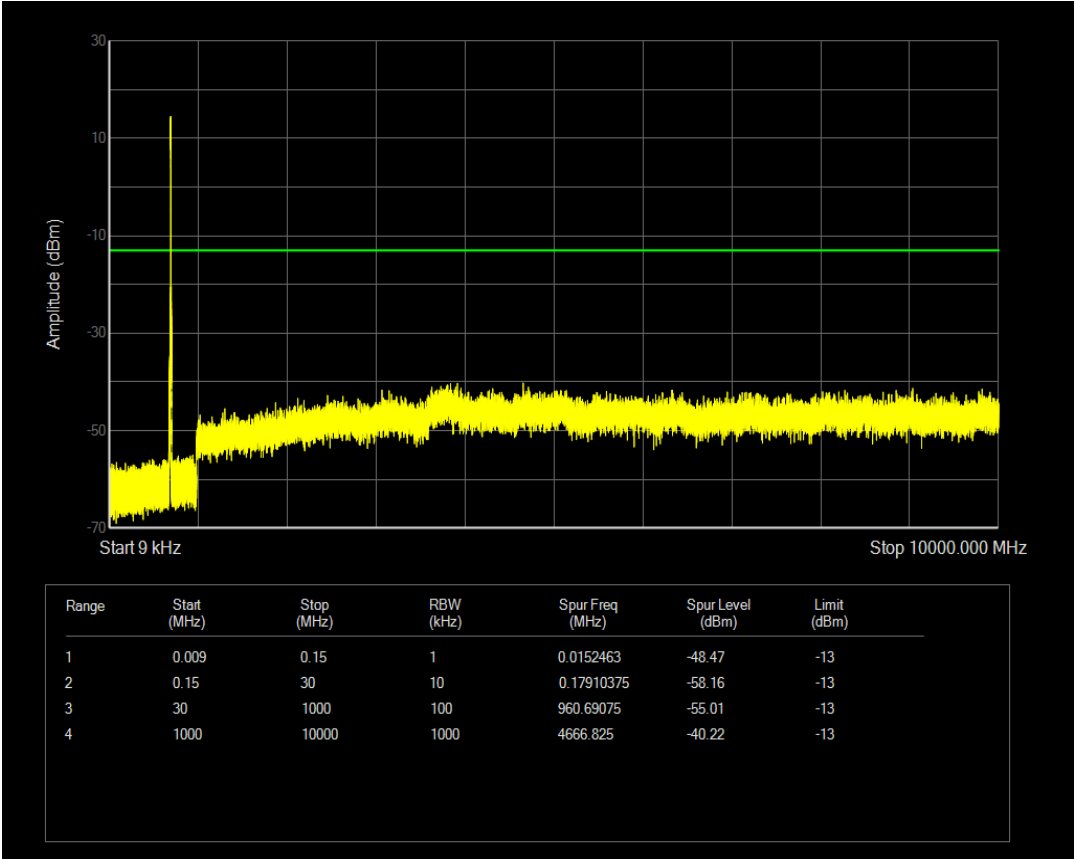
Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0



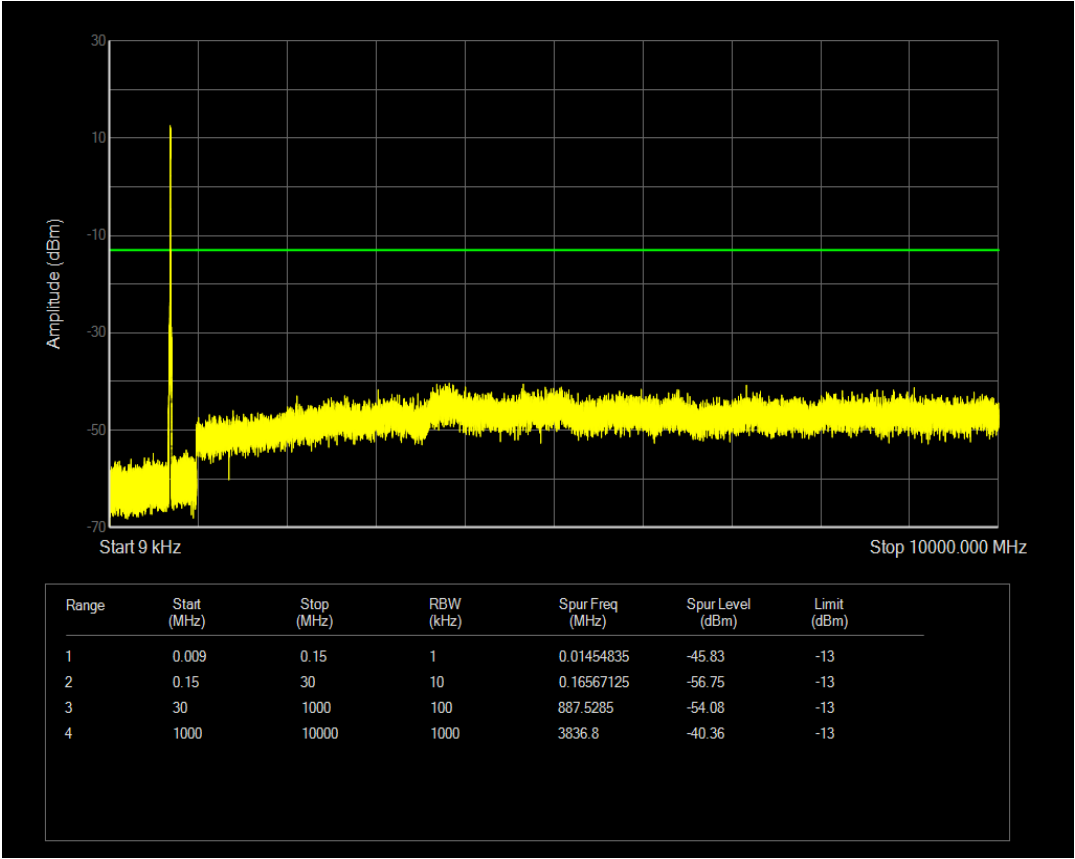
Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0



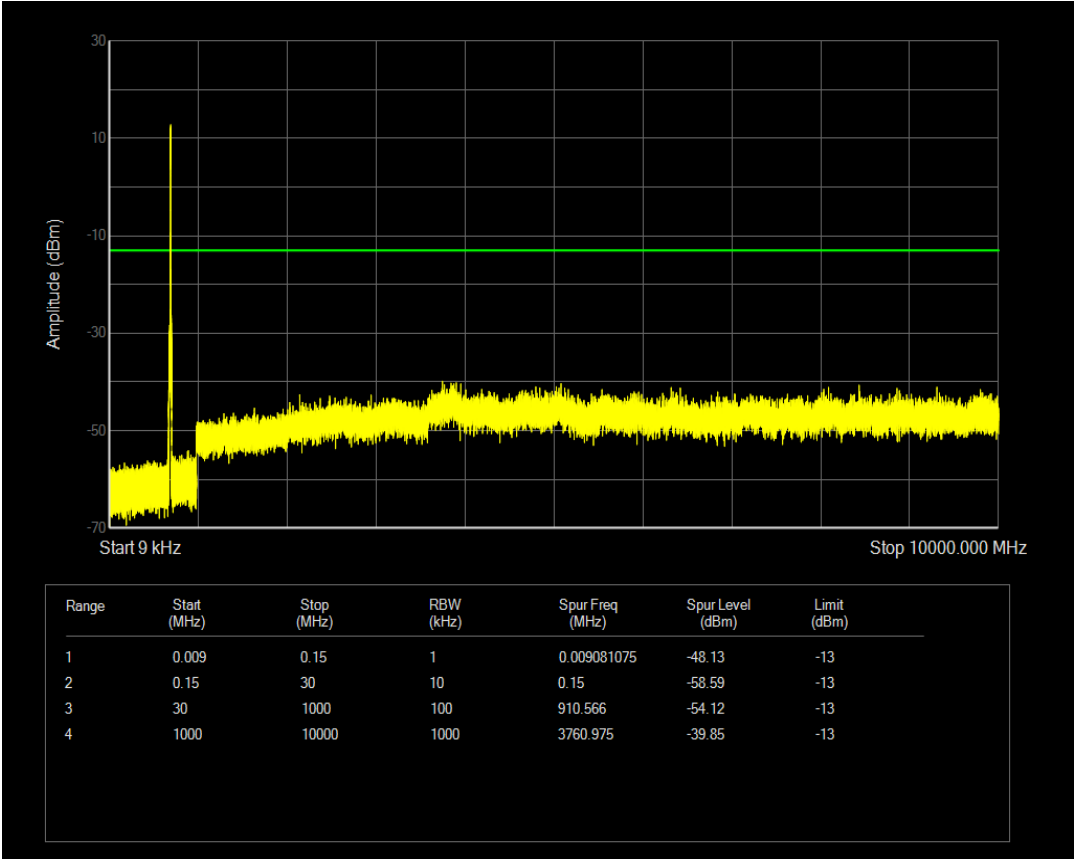
Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0



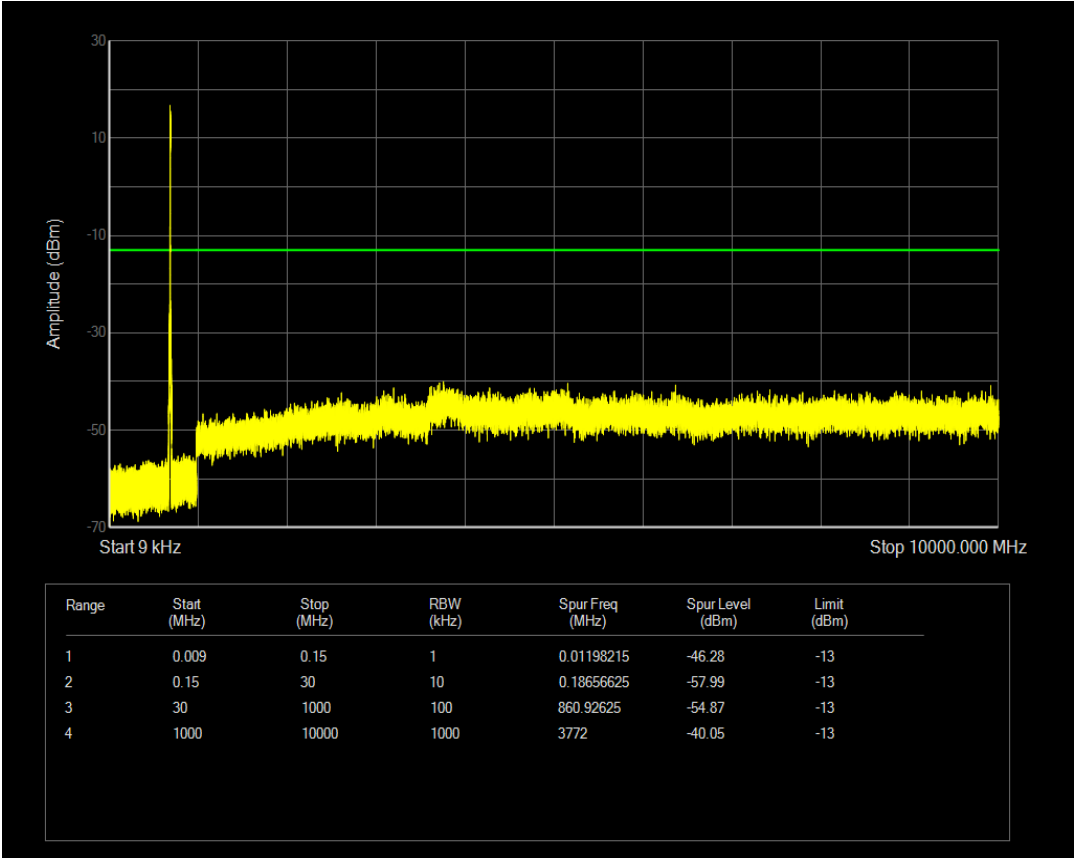
Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



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



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



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

