

TABLE OF CONTENTS

1 Conducted output power	2
2 Frequency stability	5
3 Peak-to-Average Ratio	6
4 Occupied bandwidth	9
5 Band edge	16
6 Out-of-band emissions	21

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	23.31	-2.9	-5.05	18.26	34.77	PASS
Band17	5	23755	1	#Mid	QPSK	23.29	-2.9	-5.05	18.24	34.77	PASS
Band17	5	23755	1	#Max	QPSK	23.31	-2.9	-5.05	18.26	34.77	PASS
Band17	5	23755	12	#0	QPSK	22.41	-2.9	-5.05	17.36	34.77	PASS
Band17	5	23755	12	#Mid	QPSK	22.37	-2.9	-5.05	17.32	34.77	PASS
Band17	5	23755	12	#Max	QPSK	22.44	-2.9	-5.05	17.39	34.77	PASS
Band17	5	23755	25	#0	QPSK	22.41	-2.9	-5.05	17.36	34.77	PASS
Band17	5	23755	1	#0	QAM16	22.70	-2.9	-5.05	17.65	34.77	PASS
Band17	5	23755	1	#Mid	QAM16	22.61	-2.9	-5.05	17.56	34.77	PASS
Band17	5	23755	1	#Max	QAM16	22.62	-2.9	-5.05	17.57	34.77	PASS
Band17	5	23755	12	#0	QAM16	21.75	-2.9	-5.05	16.7	34.77	PASS
Band17	5	23755	12	#Mid	QAM16	21.66	-2.9	-5.05	16.61	34.77	PASS
Band17	5	23755	12	#Max	QAM16	21.70	-2.9	-5.05	16.65	34.77	PASS
Band17	5	23755	25	#0	QAM16	21.87	-2.9	-5.05	16.82	34.77	PASS
Band17	5	23790	1	#0	QPSK	23.19	-2.9	-5.05	18.14	34.77	PASS
Band17	5	23790	1	#Mid	QPSK	23.16	-2.9	-5.05	18.11	34.77	PASS
Band17	5	23790	1	#Max	QPSK	23.15	-2.9	-5.05	18.1	34.77	PASS
Band17	5	23790	12	#0	QPSK	22.32	-2.9	-5.05	17.27	34.77	PASS
Band17	5	23790	12	#Mid	QPSK	22.41	-2.9	-5.05	17.36	34.77	PASS
Band17	5	23790	12	#Max	QPSK	22.46	-2.9	-5.05	17.41	34.77	PASS
Band17	5	23790	25	#0	QPSK	22.39	-2.9	-5.05	17.34	34.77	PASS
Band17	5	23790	1	#0	QAM16	23.51	-2.9	-5.05	18.46	34.77	PASS
Band17	5	23790	1	#Mid	QAM16	23.45	-2.9	-5.05	18.4	34.77	PASS
Band17	5	23790	1	#Max	QAM16	23.47	-2.9	-5.05	18.42	34.77	PASS
Band17	5	23790	12	#0	QAM16	21.75	-2.9	-5.05	16.7	34.77	PASS
Band17	5	23790	12	#Mid	QAM16	21.76	-2.9	-5.05	16.71	34.77	PASS
Band17	5	23790	12	#Max	QAM16	21.41	-2.9	-5.05	16.36	34.77	PASS
Band17	5	23790	25	#0	QAM16	21.92	-2.9	-5.05	16.87	34.77	PASS
Band17	5	23825	1	#0	QPSK	23.37	-2.9	-5.05	18.32	34.77	PASS
Band17	5	23825	1	#Mid	QPSK	23.34	-2.9	-5.05	18.29	34.77	PASS
Band17	5	23825	1	#Max	QPSK	23.19	-2.9	-5.05	18.14	34.77	PASS
Band17	5	23825	12	#0	QPSK	22.48	-2.9	-5.05	17.43	34.77	PASS
Band17	5	23825	12	#Mid	QPSK	22.34	-2.9	-5.05	17.29	34.77	PASS
Band17	5	23825	12	#Max	QPSK	22.49	-2.9	-5.05	17.44	34.77	PASS
Band17	5	23825	25	#0	QPSK	22.35	-2.9	-5.05	17.3	34.77	PASS
Band17	5	23825	1	#0	QAM16	23.07	-2.9	-5.05	18.02	34.77	PASS
Band17	5	23825	1	#Mid	QAM16	23.05	-2.9	-5.05	18	34.77	PASS

Band17	5	23825	1	#Max	QAM16	22.98	-2.9	-5.05	17.93	34.77	PASS
Band17	5	23825	12	#0	QAM16	21.37	-2.9	-5.05	16.32	34.77	PASS
Band17	5	23825	12	#Mid	QAM16	21.70	-2.9	-5.05	16.65	34.77	PASS
Band17	5	23825	12	#Max	QAM16	21.63	-2.9	-5.05	16.58	34.77	PASS
Band17	5	23825	25	#0	QAM16	21.92	-2.9	-5.05	16.87	34.77	PASS
Band17	10	23780	1	#0	QPSK	23.38	-2.9	-5.05	18.33	34.77	PASS
Band17	10	23780	1	#Mid	QPSK	23.35	-2.9	-5.05	18.3	34.77	PASS
Band17	10	23780	1	#Max	QPSK	23.34	-2.9	-5.05	18.29	34.77	PASS
Band17	10	23780	25	#0	QPSK	22.26	-2.9	-5.05	17.21	34.77	PASS
Band17	10	23780	25	#Mid	QPSK	22.42	-2.9	-5.05	17.37	34.77	PASS
Band17	10	23780	25	#Max	QPSK	22.51	-2.9	-5.05	17.46	34.77	PASS
Band17	10	23780	50	#0	QPSK	22.48	-2.9	-5.05	17.43	34.77	PASS
Band17	10	23780	1	#0	QAM16	23.87	-2.9	-5.05	18.82	34.77	PASS
Band17	10	23780	1	#Mid	QAM16	23.85	-2.9	-5.05	18.8	34.77	PASS
Band17	10	23780	1	#Max	QAM16	23.75	-2.9	-5.05	18.7	34.77	PASS
Band17	10	23780	25	#0	QAM16	21.90	-2.9	-5.05	16.85	34.77	PASS
Band17	10	23780	25	#Mid	QAM16	21.87	-2.9	-5.05	16.82	34.77	PASS
Band17	10	23780	25	#Max	QAM16	21.47	-2.9	-5.05	16.42	34.77	PASS
Band17	10	23780	50	#0	QAM16	21.80	-2.9	-5.05	16.75	34.77	PASS
Band17	10	23790	1	#0	QPSK	23.43	-2.9	-5.05	18.38	34.77	PASS
Band17	10	23790	1	#Mid	QPSK	23.48	-2.9	-5.05	18.43	34.77	PASS
Band17	10	23790	1	#Max	QPSK	23.39	-2.9	-5.05	18.34	34.77	PASS
Band17	10	23790	25	#0	QPSK	22.45	-2.9	-5.05	17.4	34.77	PASS
Band17	10	23790	25	#Mid	QPSK	22.38	-2.9	-5.05	17.33	34.77	PASS
Band17	10	23790	25	#Max	QPSK	22.47	-2.9	-5.05	17.42	34.77	PASS
Band17	10	23790	50	#0	QPSK	22.47	-2.9	-5.05	17.42	34.77	PASS
Band17	10	23790	1	#0	QAM16	23.62	-2.9	-5.05	18.57	34.77	PASS
Band17	10	23790	1	#Mid	QAM16	23.55	-2.9	-5.05	18.5	34.77	PASS
Band17	10	23790	1	#Max	QAM16	23.55	-2.9	-5.05	18.5	34.77	PASS
Band17	10	23790	25	#0	QAM16	21.92	-2.9	-5.05	16.87	34.77	PASS
Band17	10	23790	25	#Mid	QAM16	21.87	-2.9	-5.05	16.82	34.77	PASS
Band17	10	23790	25	#Max	QAM16	21.46	-2.9	-5.05	16.41	34.77	PASS
Band17	10	23790	50	#0	QAM16	21.83	-2.9	-5.05	16.78	34.77	PASS
Band17	10	23800	1	#0	QPSK	23.36	-2.9	-5.05	18.31	34.77	PASS
Band17	10	23800	1	#Mid	QPSK	23.43	-2.9	-5.05	18.38	34.77	PASS
Band17	10	23800	1	#Max	QPSK	23.39	-2.9	-5.05	18.34	34.77	PASS
Band17	10	23800	25	#0	QPSK	22.37	-2.9	-5.05	17.32	34.77	PASS
Band17	10	23800	25	#Mid	QPSK	22.41	-2.9	-5.05	17.36	34.77	PASS
Band17	10	23800	25	#Max	QPSK	22.50	-2.9	-5.05	17.45	34.77	PASS
Band17	10	23800	50	#0	QPSK	22.32	-2.9	-5.05	17.27	34.77	PASS
Band17	10	23800	1	#0	QAM16	23.39	-2.9	-5.05	18.34	34.77	PASS
Band17	10	23800	1	#Mid	QAM16	23.38	-2.9	-5.05	18.33	34.77	PASS
Band17	10	23800	1	#Max	QAM16	23.33	-2.9	-5.05	18.28	34.77	PASS
Band17	10	23800	25	#0	QAM16	21.86	-2.9	-5.05	16.81	34.77	PASS

Band17	10	23800	25	#Mid	QAM16	21.82	-2.9	-5.05	16.77	34.77	PASS
Band17	10	23800	25	#Max	QAM16	21.84	-2.9	-5.05	16.79	34.77	PASS
Band17	10	23800	50	#0	QAM16	21.77	-2.9	-5.05	16.72	34.77	PASS

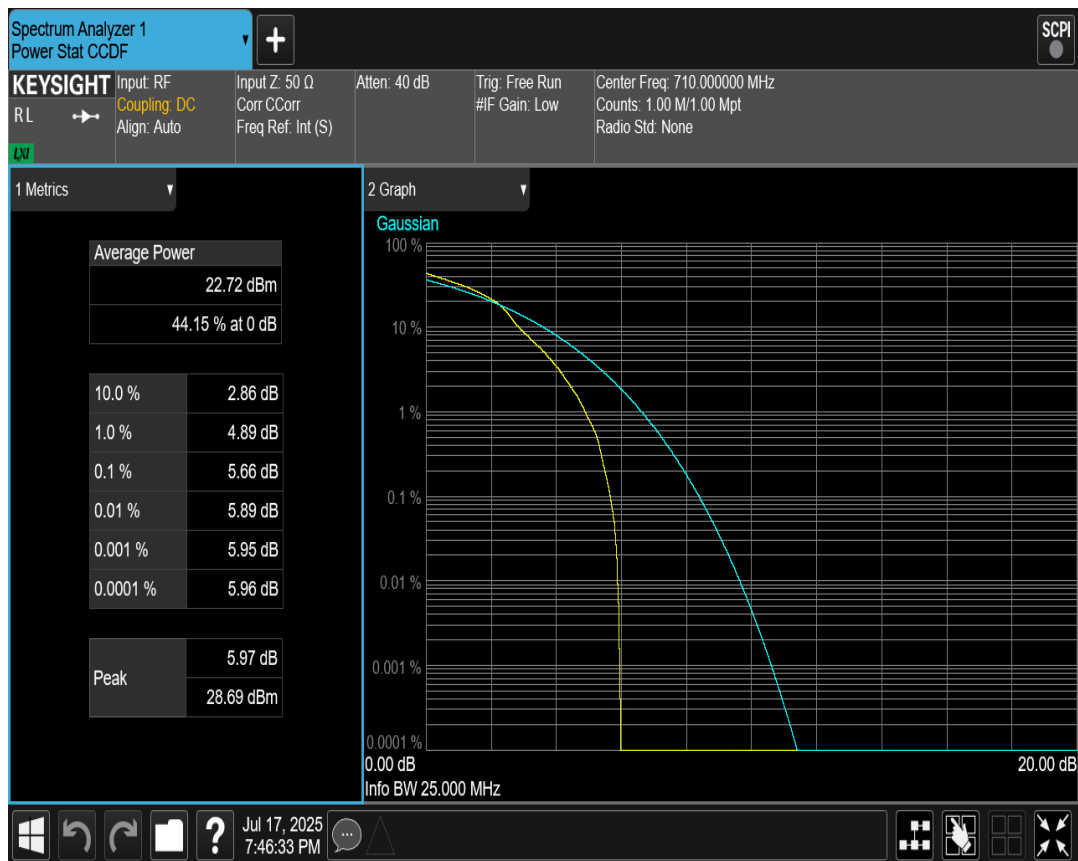
2 Frequency stability

<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	19.41	0.027	-2.5	2.5	PASS
Band17	10	23780	50	#0	QAM16	25.37	0.036	-2.5	2.5	PASS
Band17	10	23790	50	#0	QPSK	20.57	0.029	-2.5	2.5	PASS
Band17	10	23790	50	#0	QAM16	26.87	0.038	-2.5	2.5	PASS
Band17	10	23800	50	#0	QPSK	9.21	0.013	-2.5	2.5	PASS
Band17	10	23800	50	#0	QAM16	12.37	0.017	-2.5	2.5	PASS

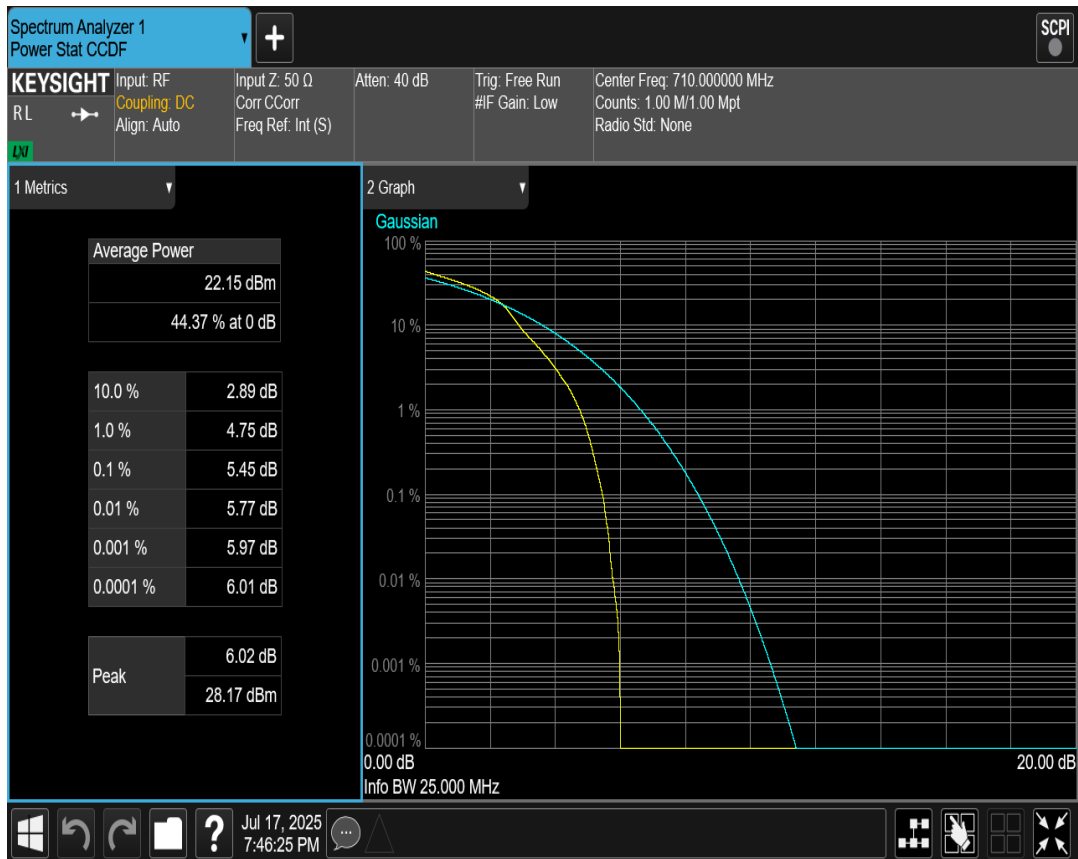
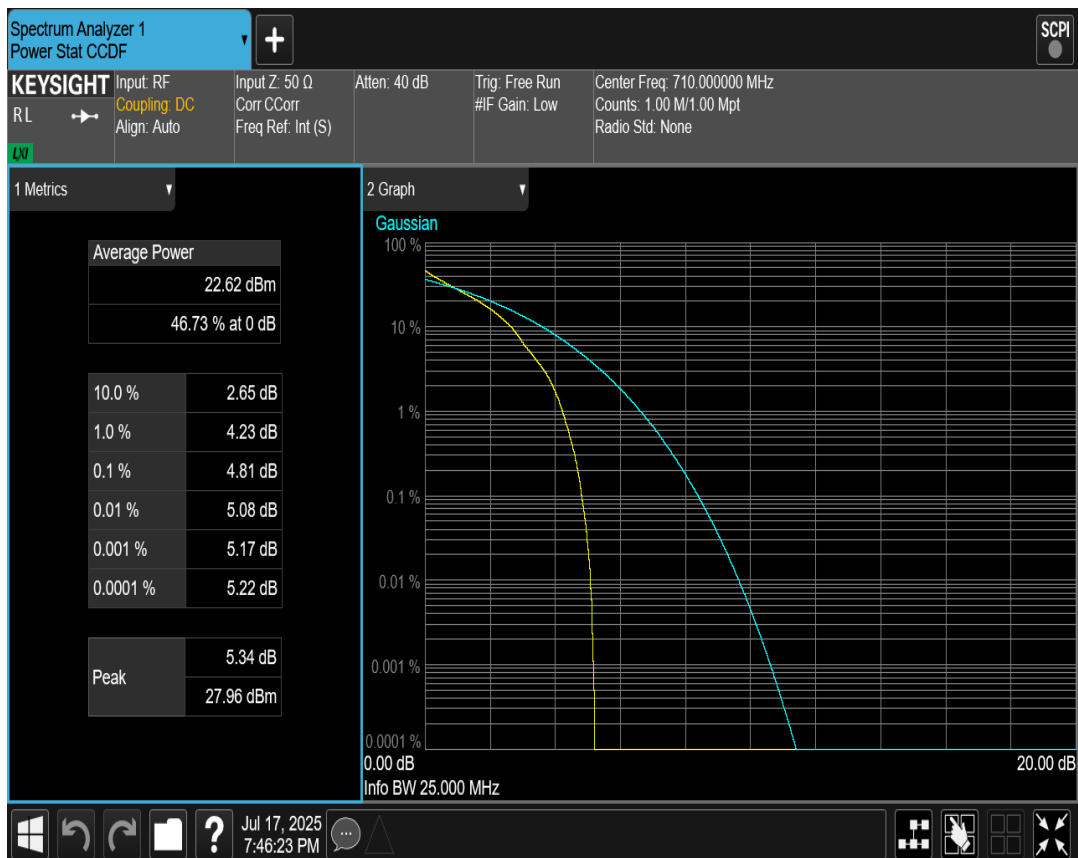
3 Peak-to-Average Ratio

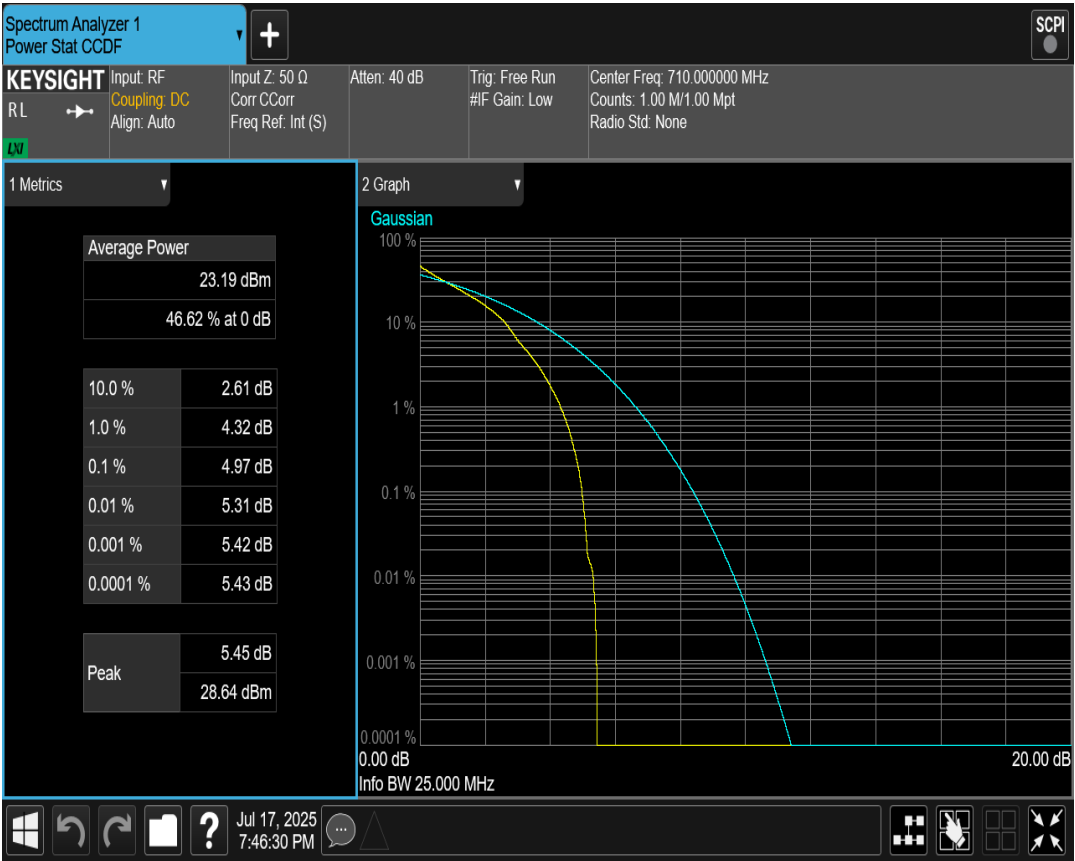
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band17	5	23790	1	#0	QPSK	4.81	13	PASS
Band17	5	23790	1	#0	QAM16	5.45	13	PASS
Band17	10	23790	1	#0	QPSK	4.97	13	PASS
Band17	10	23790	1	#0	QAM16	5.66	13	PASS

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



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

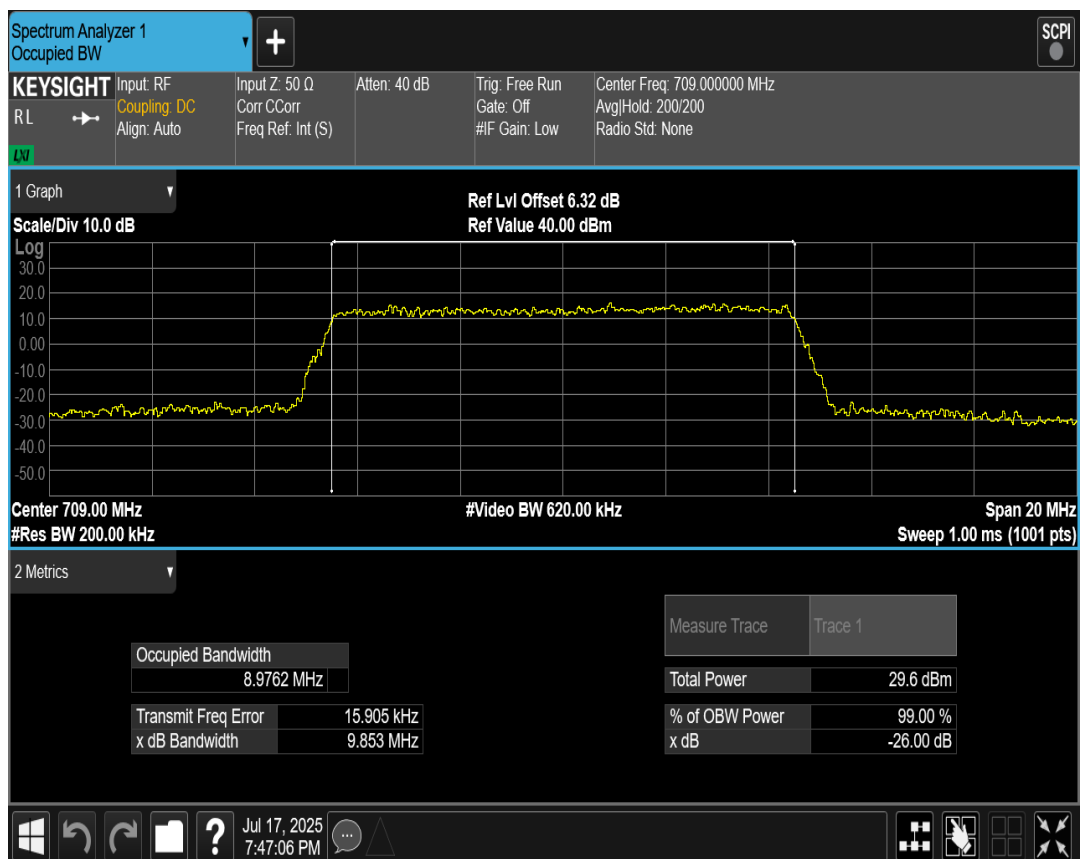
**Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0****Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0**



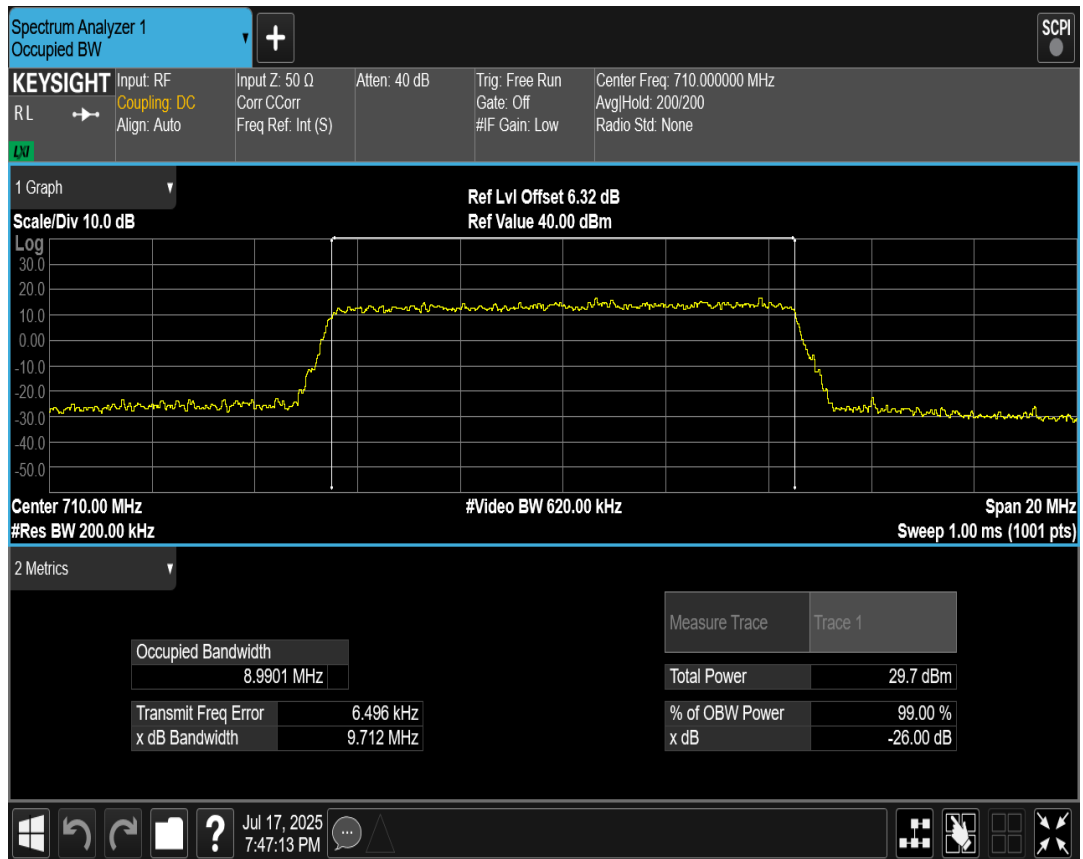
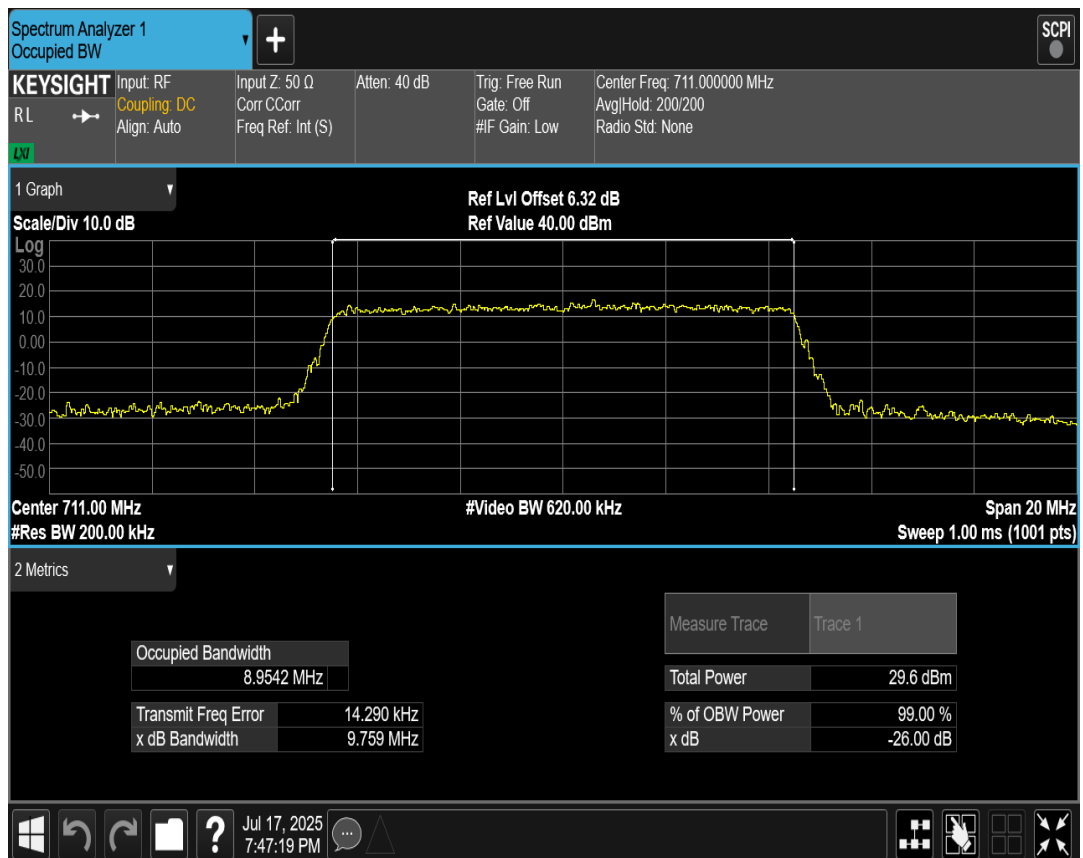
4 Occupied bandwidth

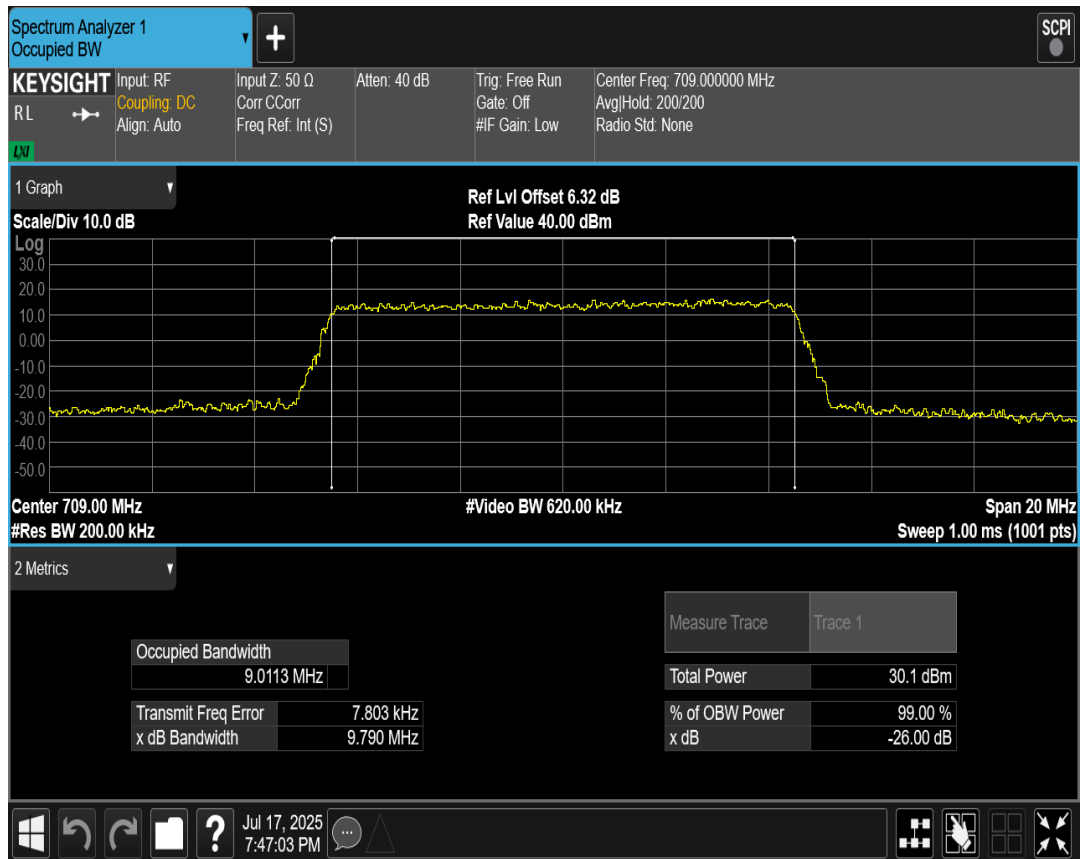
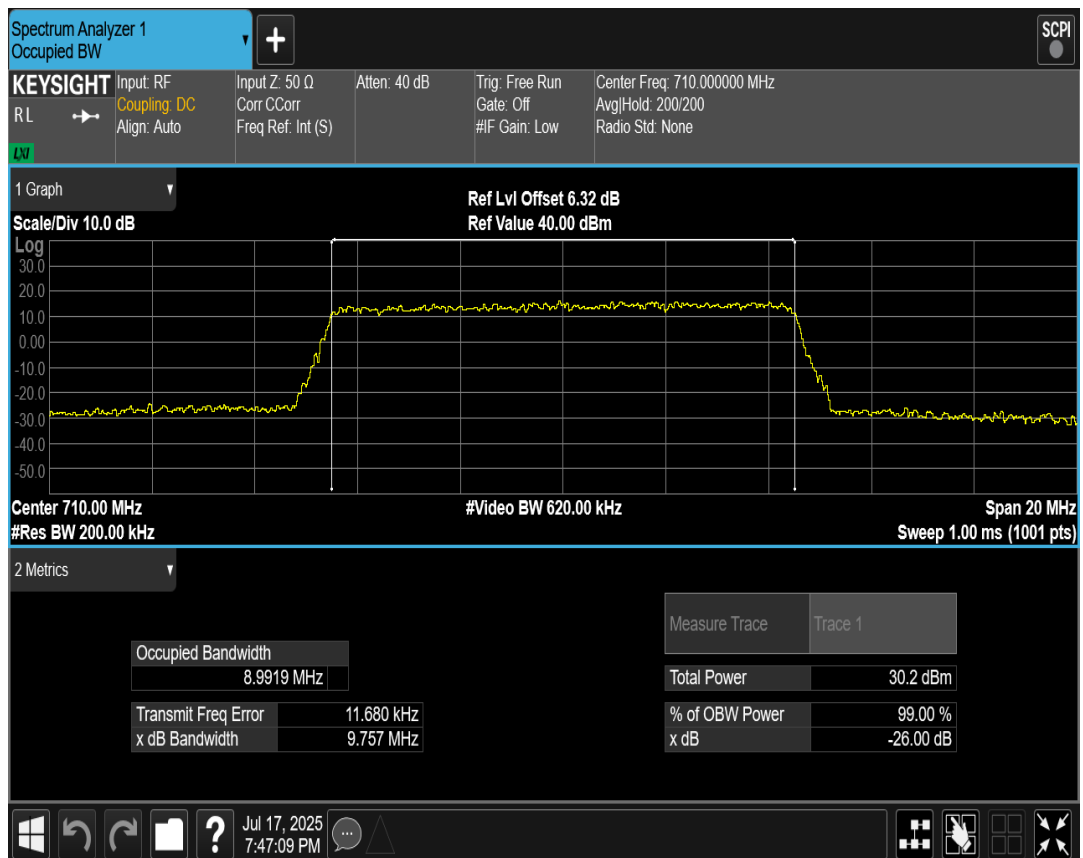
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band17	5	23755	25	#0	QPSK	4.529	4.929	PASS
Band17	5	23755	25	#0	QAM16	4.511	4.971	PASS
Band17	5	23790	25	#0	QPSK	4.510	4.920	PASS
Band17	5	23790	25	#0	QAM16	4.505	4.967	PASS
Band17	5	23825	25	#0	QPSK	4.501	4.929	PASS
Band17	5	23825	25	#0	QAM16	4.516	4.918	PASS
Band17	10	23780	50	#0	QPSK	9.011	9.790	PASS
Band17	10	23780	50	#0	QAM16	8.976	9.853	PASS
Band17	10	23790	50	#0	QPSK	8.992	9.757	PASS
Band17	10	23790	50	#0	QAM16	8.990	9.712	PASS
Band17	10	23800	50	#0	QPSK	9.018	9.763	PASS
Band17	10	23800	50	#0	QAM16	8.954	9.759	PASS

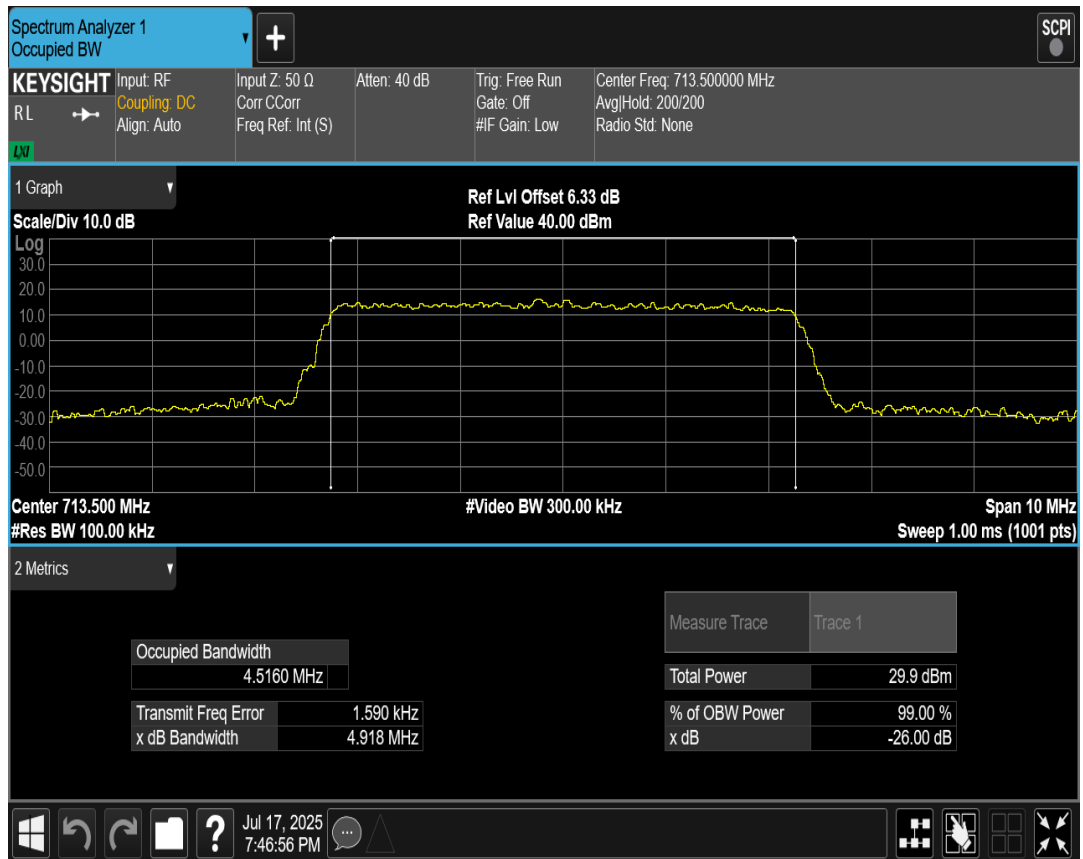
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



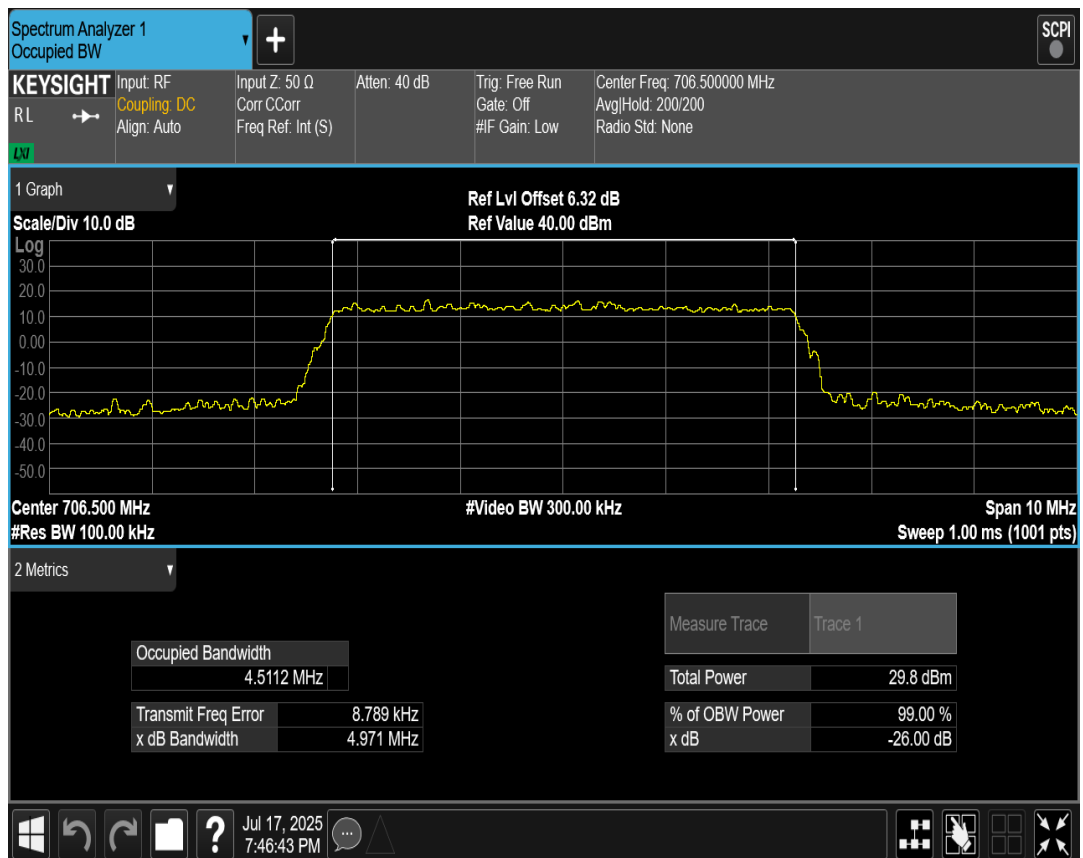
Band17 QAM16 BW=10MHz Channel=23790 RB Size=50 Position=#0

**Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0****Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0**

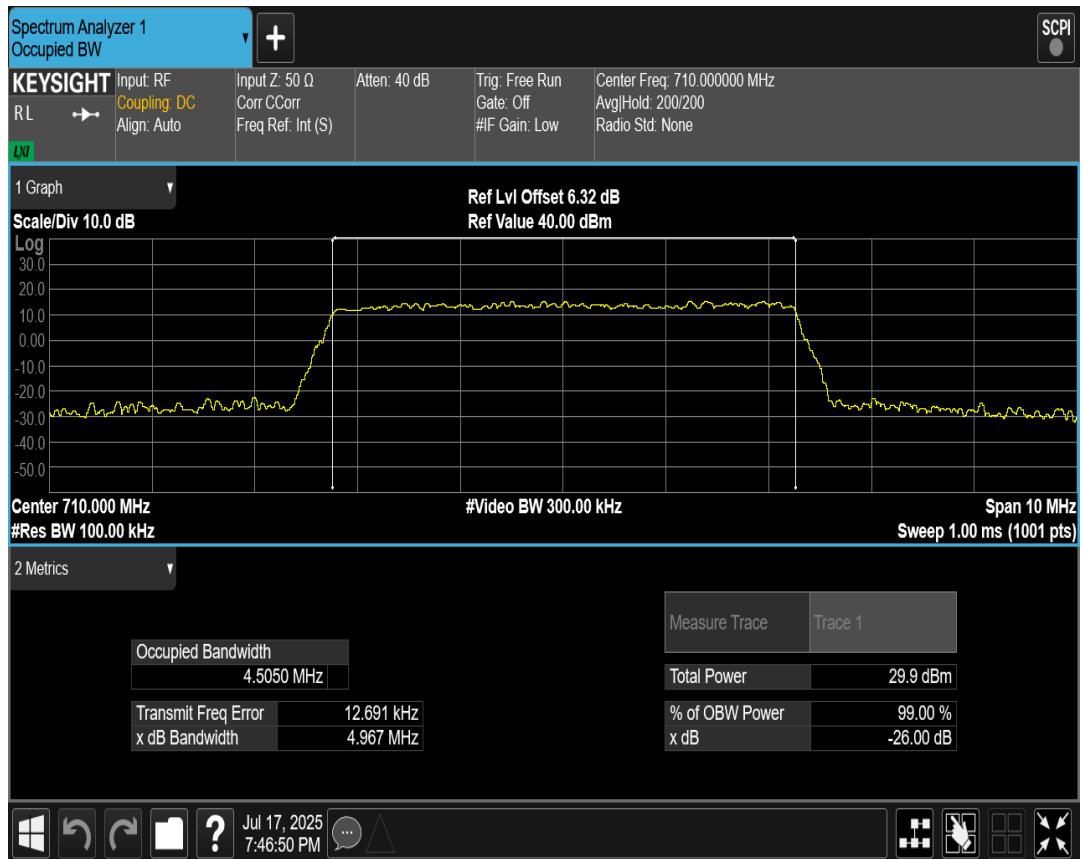
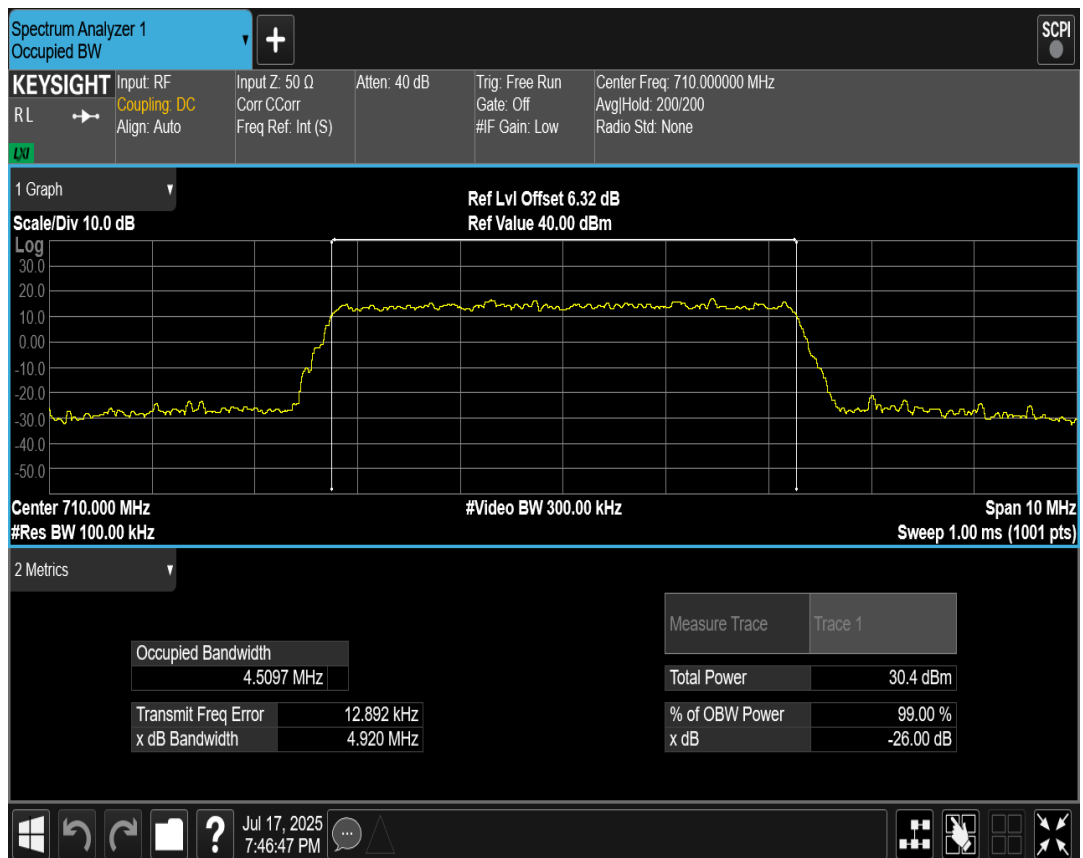
**Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0****Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0**

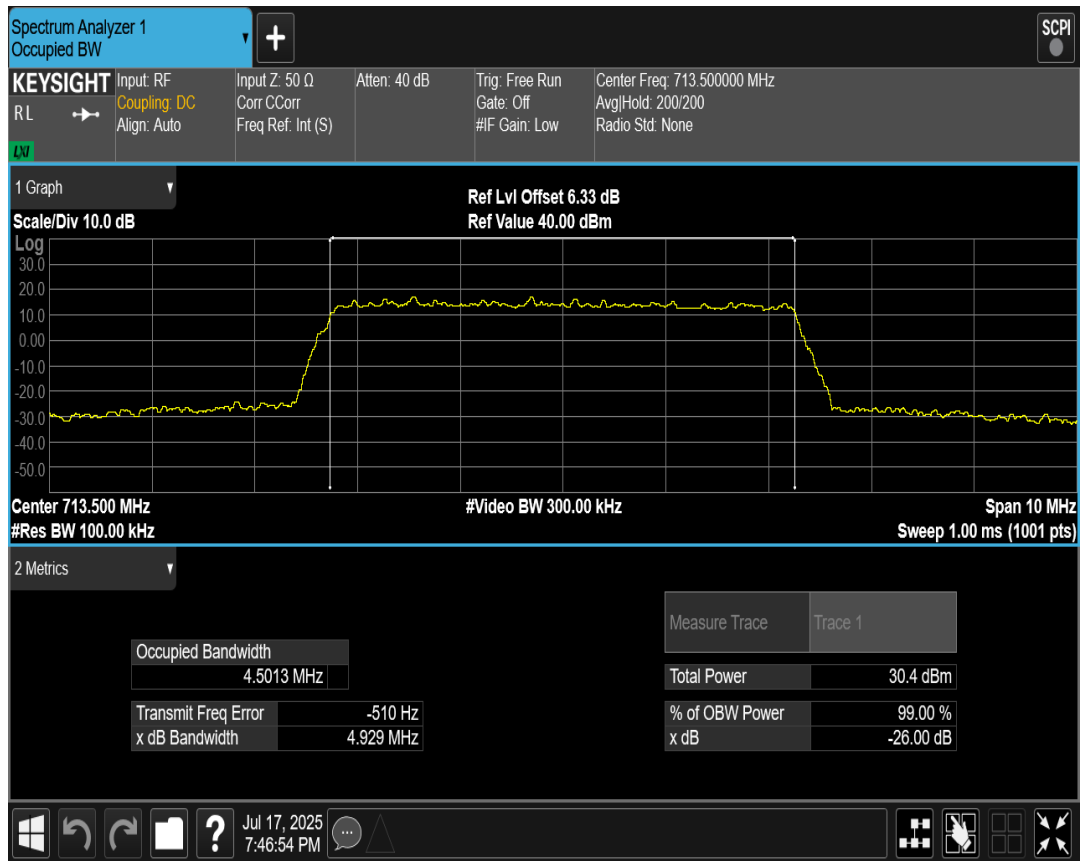
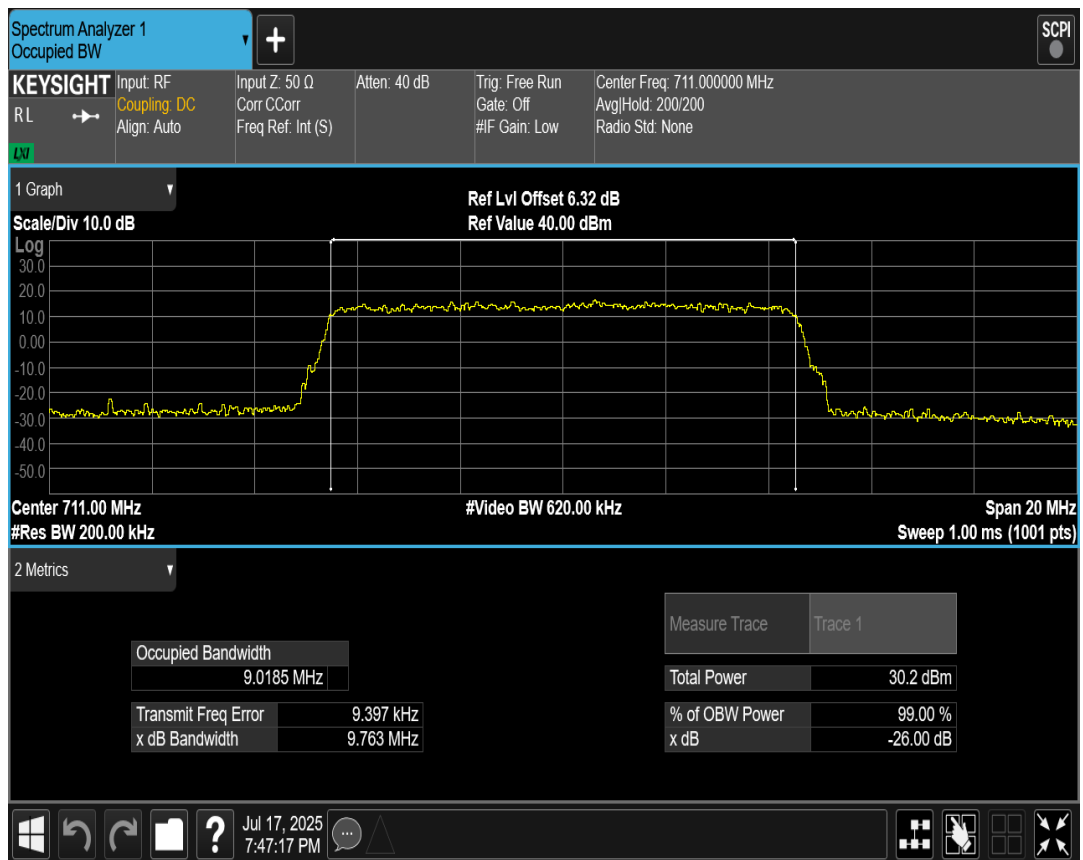


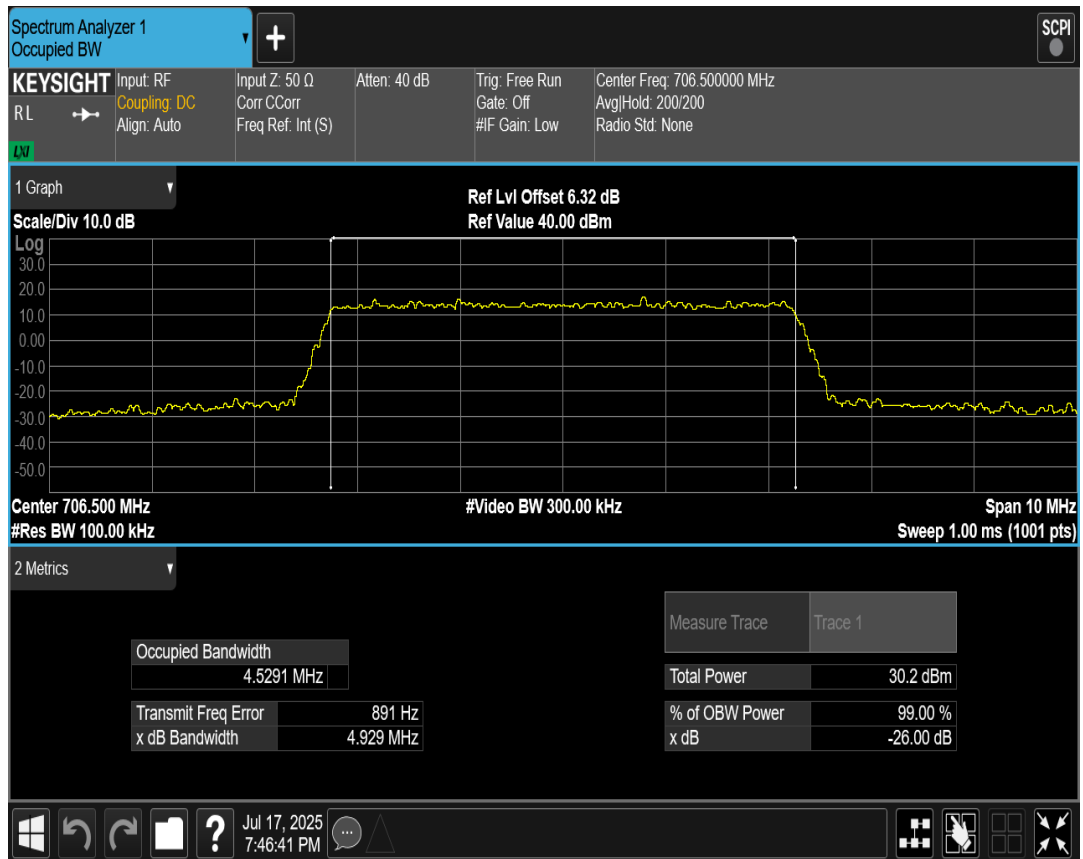
Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0



Band17 QAM16 BW=5MHz Channel=23790 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**

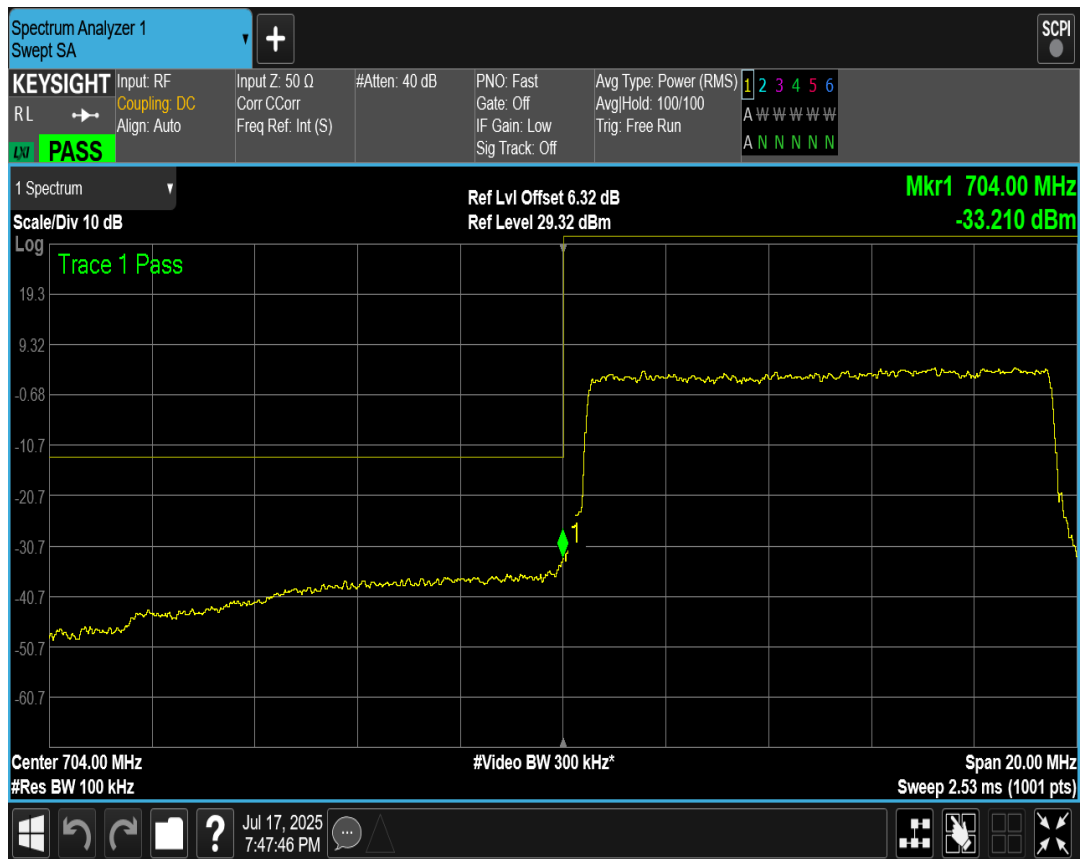
**Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0****Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0**



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	-29.85	-13	PASS
Band17	5	23755	25	#0	QAM16	704.00	-30.19	-13	PASS
Band17	5	23825	25	#0	QPSK	716.00	-30.44	-13	PASS
Band17	5	23825	25	#0	QAM16	716.00	-30.37	-13	PASS
Band17	10	23780	50	#0	QPSK	704.00	-33.20	-13	PASS
Band17	10	23780	50	#0	QAM16	703.96	-34.85	-13	PASS
Band17	10	23800	50	#0	QPSK	716.00	-34.35	-13	PASS
Band17	10	23800	50	#0	QAM16	716.02	-33.80	-13	PASS

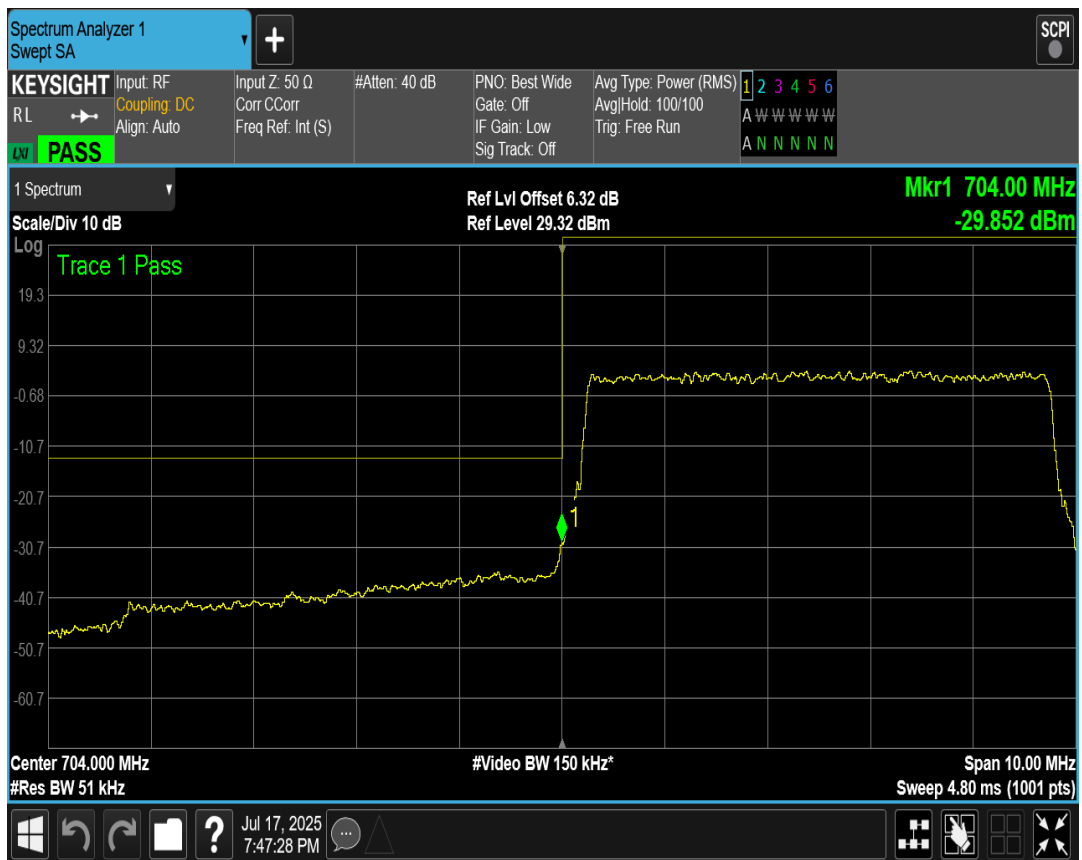
Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



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



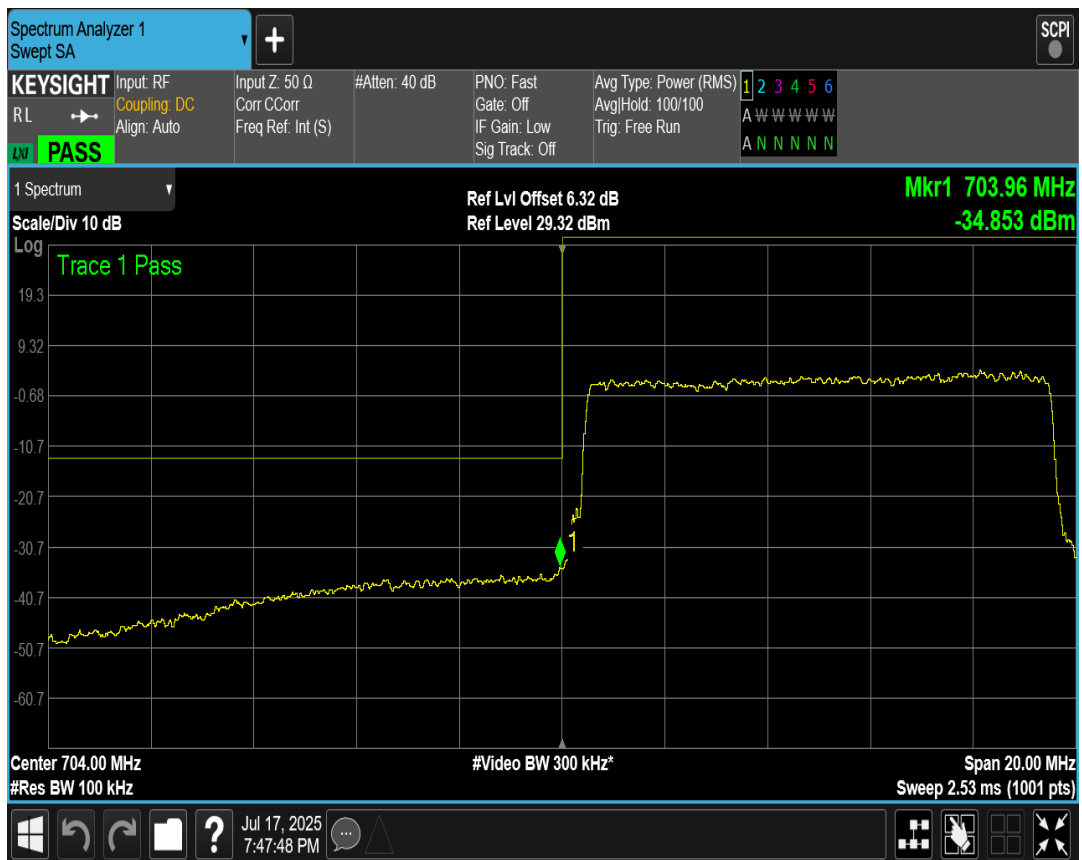
Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



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



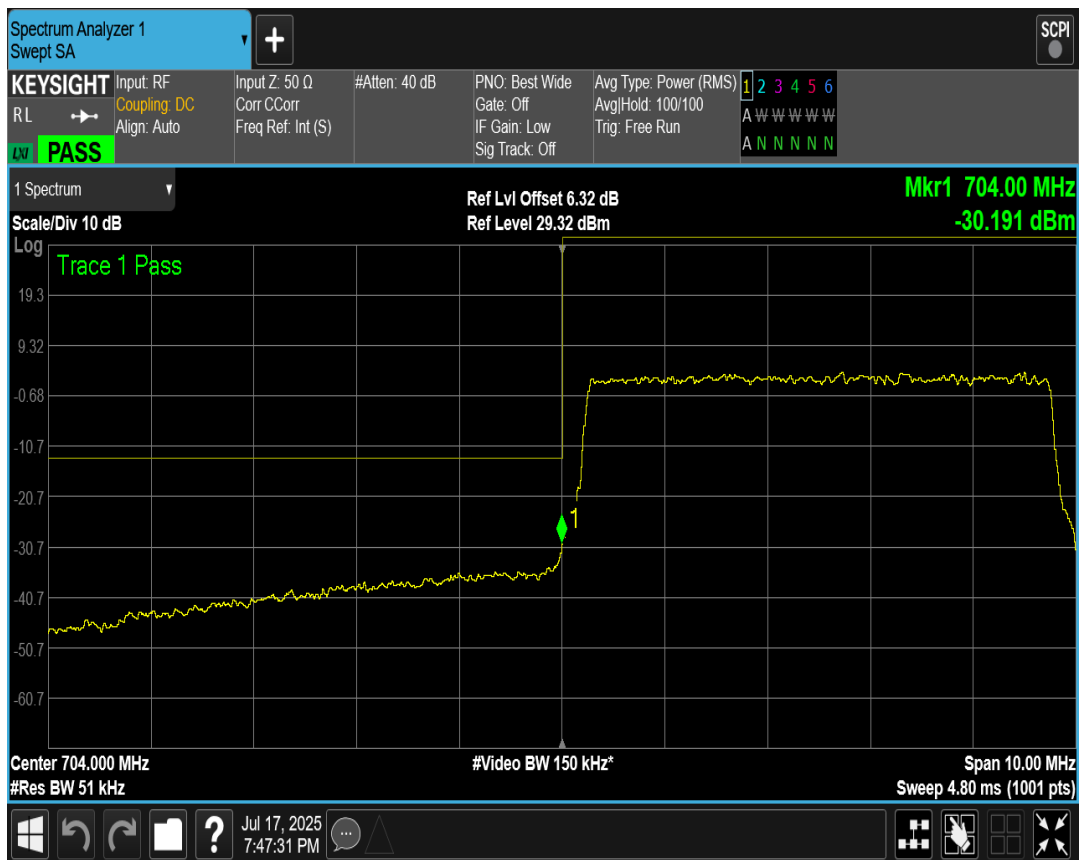
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



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



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

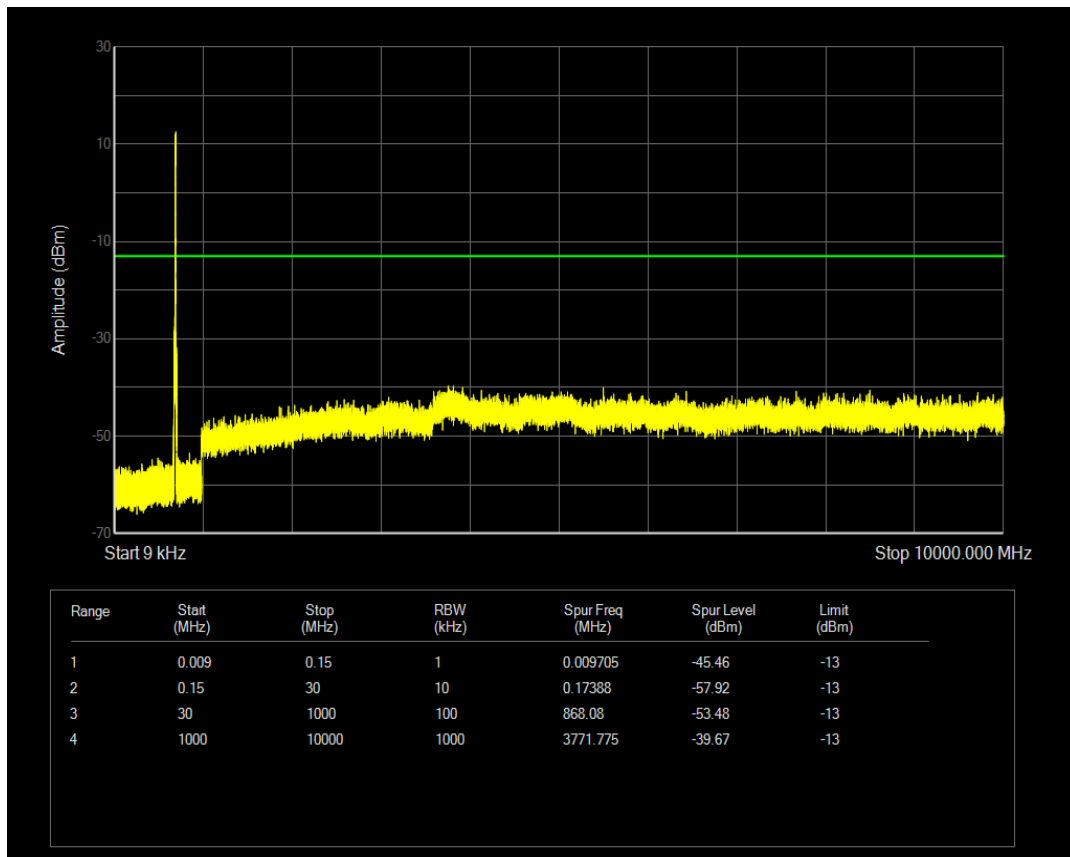


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

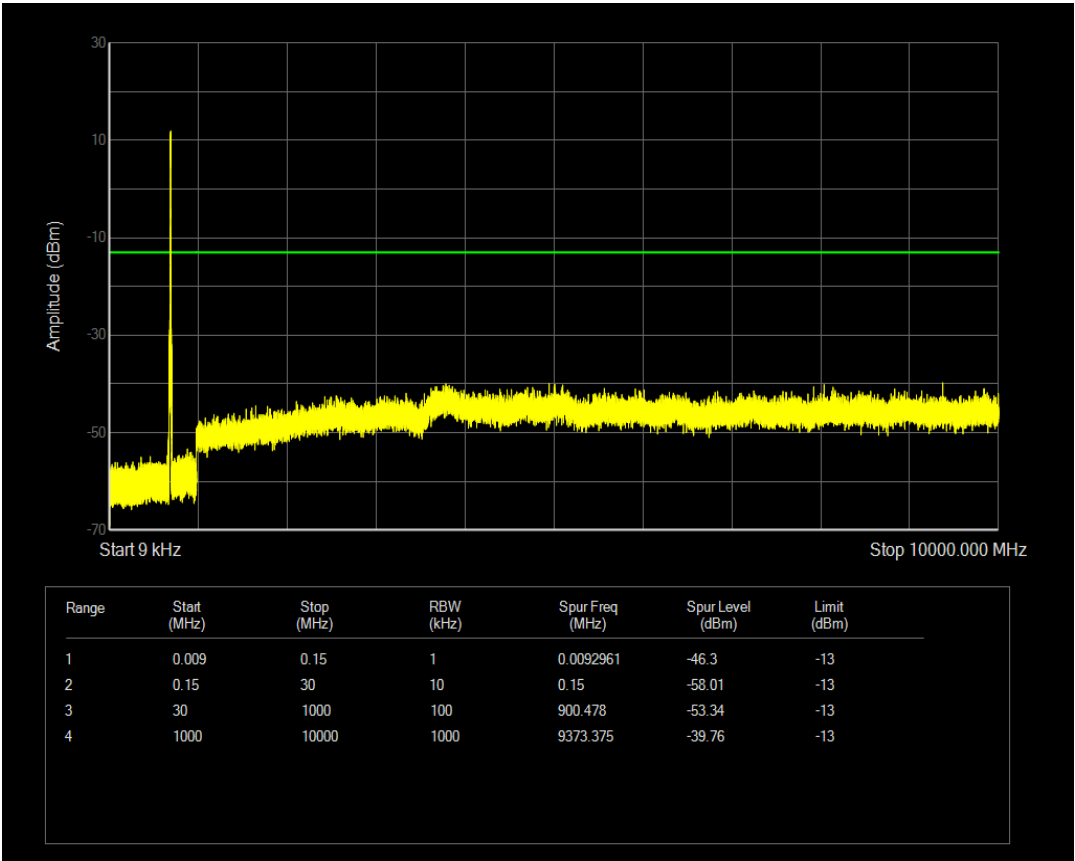
6 Out-of-band emissions

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	5130.78	-39.50	-13	PASS
Band17	5	23755	25	#0	QAM16	3819.03	-39.52	-13	PASS
Band17	5	23825	25	#0	QPSK	3843.10	-38.84	-13	PASS
Band17	5	23825	25	#0	QAM16	3877.08	-39.09	-13	PASS
Band17	10	23780	50	#0	QPSK	3826.68	-39.13	-13	PASS
Band17	10	23780	50	#0	QAM16	3771.78	-39.67	-13	PASS
Band17	10	23800	50	#0	QPSK	3884.05	-39.10	-13	PASS
Band17	10	23800	50	#0	QAM16	9373.38	-39.76	-13	PASS

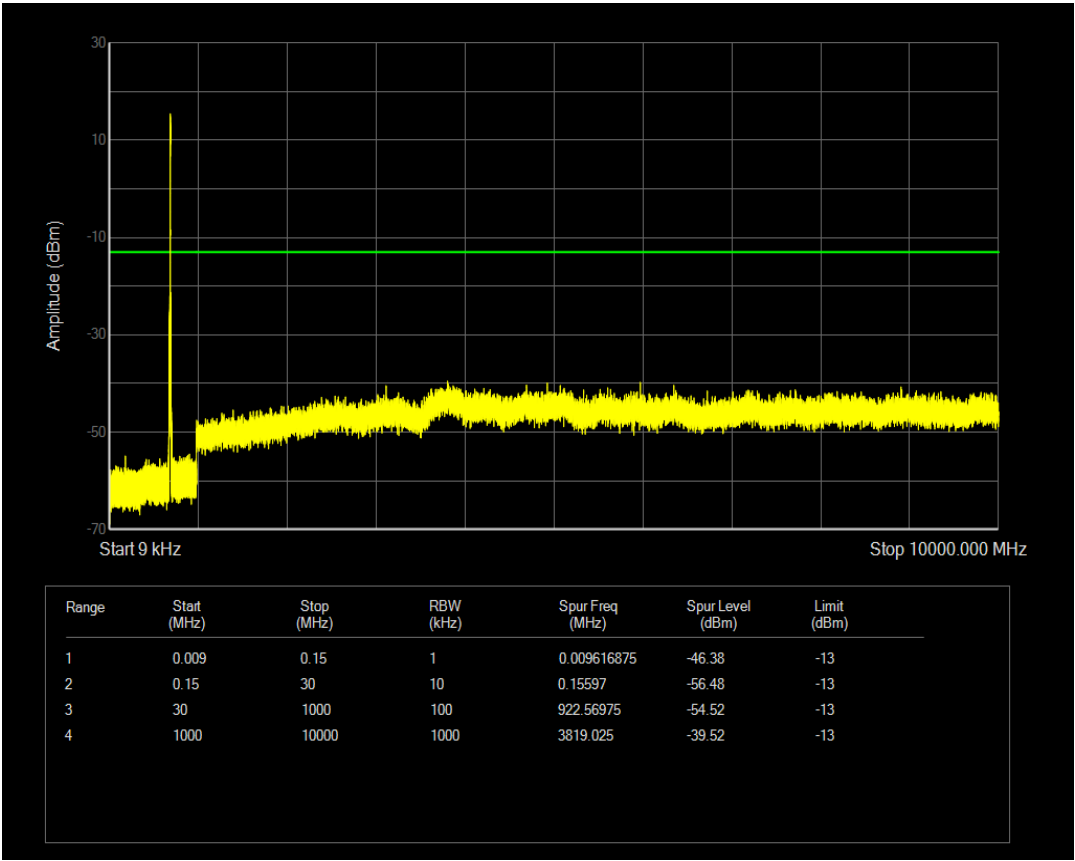
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



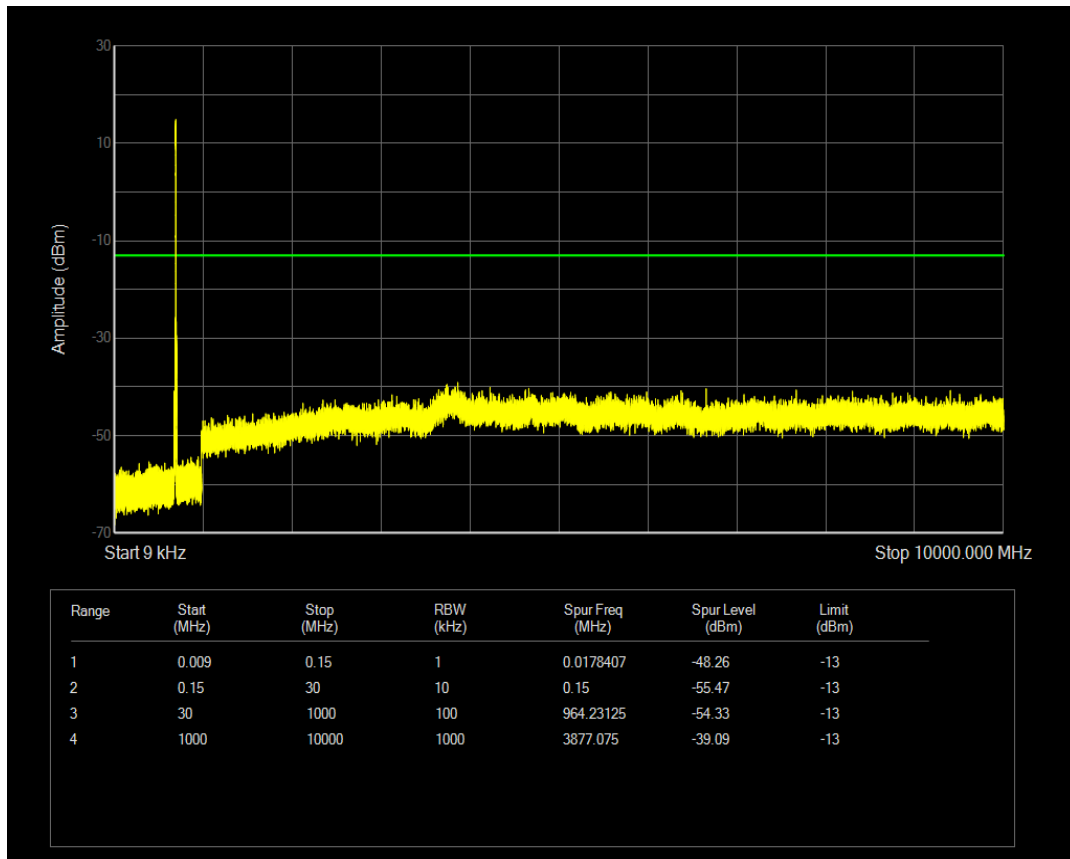
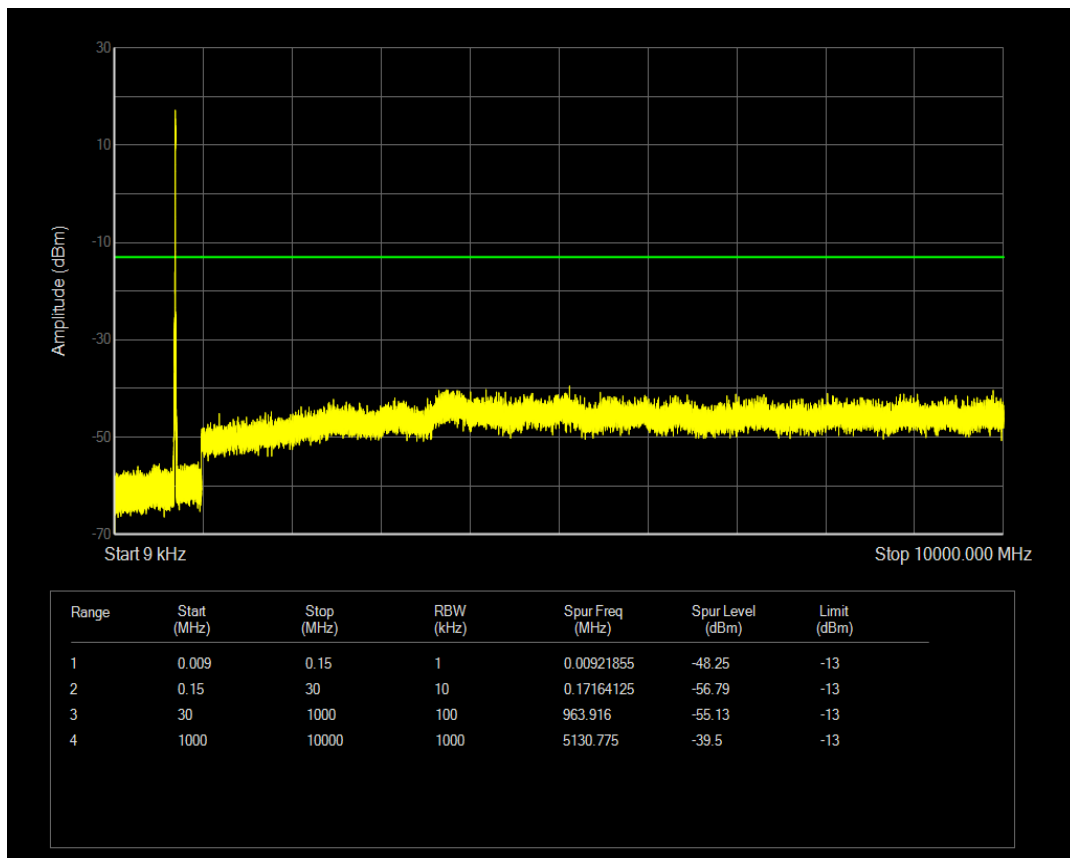
Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0

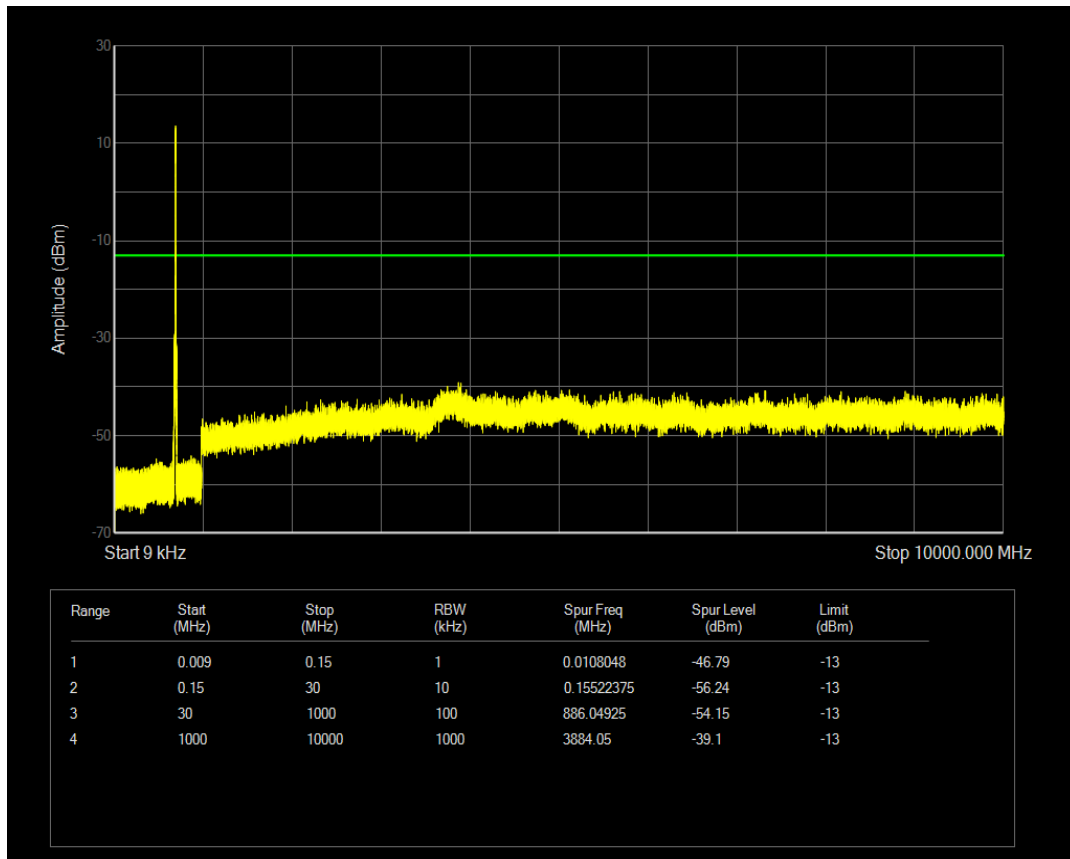
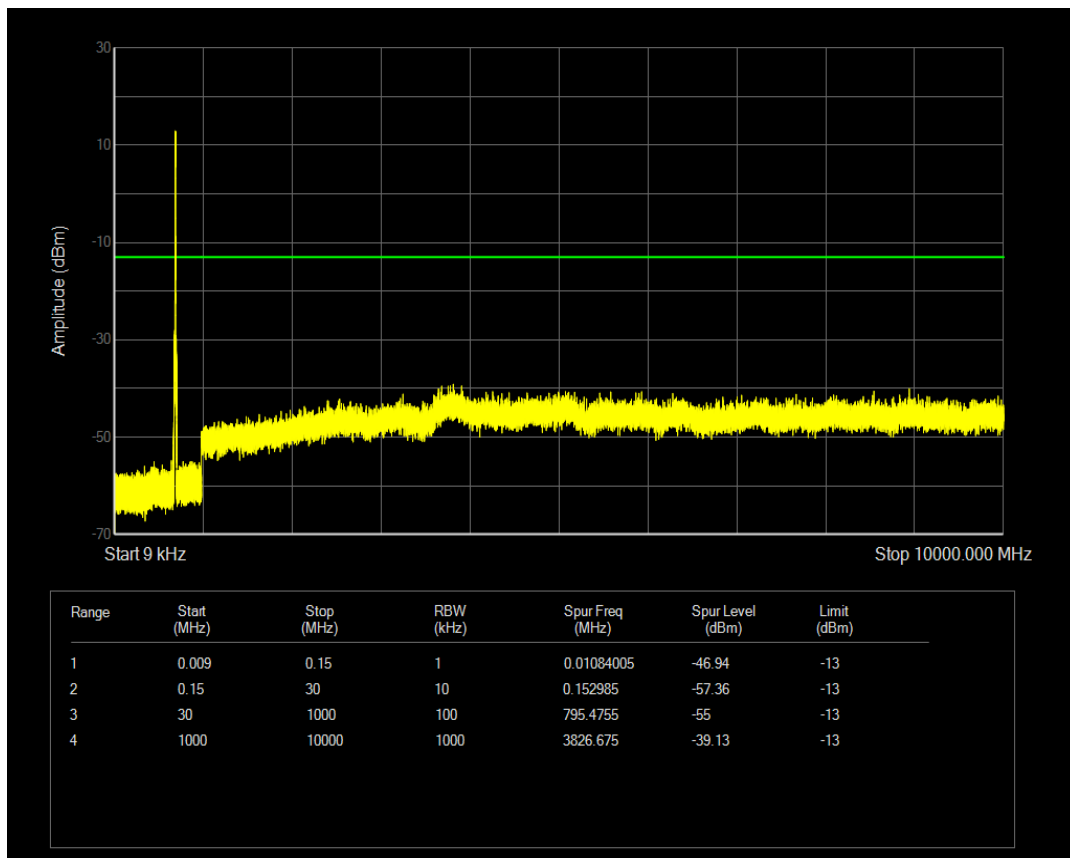


Band17 QAM16 BW=5MHz Channel=23755 RB Size=25 Position=#0



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

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

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

