

TABLE OF CONTENTS

1 Conducted output power2

2 Frequency stability4

3 Peak-to-Average Ratio5

4 Occupied bandwidth8

5 Band edge13

6 Out-of-band emissions17

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
Band13	5	23205	1	#0	QPSK	23.66	-5.77	-7.92	15.74	34.77	PASS
Band13	5	23205	1	#Mid	QPSK	23.67	-5.77	-7.92	15.75	34.77	PASS
Band13	5	23205	1	#Max	QPSK	23.63	-5.77	-7.92	15.71	34.77	PASS
Band13	5	23205	12	#0	QPSK	22.67	-5.77	-7.92	14.75	34.77	PASS
Band13	5	23205	12	#Mid	QPSK	22.64	-5.77	-7.92	14.72	34.77	PASS
Band13	5	23205	12	#Max	QPSK	22.63	-5.77	-7.92	14.71	34.77	PASS
Band13	5	23205	25	#0	QPSK	22.71	-5.77	-7.92	14.79	34.77	PASS
Band13	5	23205	1	#0	QAM16	23.21	-5.77	-7.92	15.29	34.77	PASS
Band13	5	23205	1	#Mid	QAM16	23.21	-5.77	-7.92	15.29	34.77	PASS
Band13	5	23205	1	#Max	QAM16	23.17	-5.77	-7.92	15.25	34.77	PASS
Band13	5	23205	12	#0	QAM16	21.67	-5.77	-7.92	13.75	34.77	PASS
Band13	5	23205	12	#Mid	QAM16	21.65	-5.77	-7.92	13.73	34.77	PASS
Band13	5	23205	12	#Max	QAM16	21.61	-5.77	-7.92	13.69	34.77	PASS
Band13	5	23205	25	#0	QAM16	21.64	-5.77	-7.92	13.72	34.77	PASS
Band13	5	23230	1	#0	QPSK	23.65	-5.77	-7.92	15.73	34.77	PASS
Band13	5	23230	1	#Mid	QPSK	23.64	-5.77	-7.92	15.72	34.77	PASS
Band13	5	23230	1	#Max	QPSK	23.57	-5.77	-7.92	15.65	34.77	PASS
Band13	5	23230	12	#0	QPSK	22.66	-5.77	-7.92	14.74	34.77	PASS
Band13	5	23230	12	#Mid	QPSK	22.63	-5.77	-7.92	14.71	34.77	PASS
Band13	5	23230	12	#Max	QPSK	22.59	-5.77	-7.92	14.67	34.77	PASS
Band13	5	23230	25	#0	QPSK	22.68	-5.77	-7.92	14.76	34.77	PASS
Band13	5	23230	1	#0	QAM16	23.09	-5.77	-7.92	15.17	34.77	PASS
Band13	5	23230	1	#Mid	QAM16	23.03	-5.77	-7.92	15.11	34.77	PASS
Band13	5	23230	1	#Max	QAM16	23.03	-5.77	-7.92	15.11	34.77	PASS
Band13	5	23230	12	#0	QAM16	21.63	-5.77	-7.92	13.71	34.77	PASS
Band13	5	23230	12	#Mid	QAM16	21.61	-5.77	-7.92	13.69	34.77	PASS
Band13	5	23230	12	#Max	QAM16	21.58	-5.77	-7.92	13.66	34.77	PASS
Band13	5	23230	25	#0	QAM16	21.68	-5.77	-7.92	13.76	34.77	PASS
Band13	5	23255	1	#0	QPSK	23.57	-5.77	-7.92	15.65	34.77	PASS
Band13	5	23255	1	#Mid	QPSK	23.54	-5.77	-7.92	15.62	34.77	PASS
Band13	5	23255	1	#Max	QPSK	23.50	-5.77	-7.92	15.58	34.77	PASS
Band13	5	23255	12	#0	QPSK	22.62	-5.77	-7.92	14.7	34.77	PASS
Band13	5	23255	12	#Mid	QPSK	22.58	-5.77	-7.92	14.66	34.77	PASS
Band13	5	23255	12	#Max	QPSK	22.59	-5.77	-7.92	14.67	34.77	PASS
Band13	5	23255	25	#0	QPSK	22.63	-5.77	-7.92	14.71	34.77	PASS
Band13	5	23255	1	#0	QAM16	22.98	-5.77	-7.92	15.06	34.77	PASS
Band13	5	23255	1	#Mid	QAM16	22.92	-5.77	-7.92	15	34.77	PASS

Band13	5	23255	1	#Max	QAM16	22.95	-5.77	-7.92	15.03	34.77	PASS
Band13	5	23255	12	#0	QAM16	21.68	-5.77	-7.92	13.76	34.77	PASS
Band13	5	23255	12	#Mid	QAM16	21.64	-5.77	-7.92	13.72	34.77	PASS
Band13	5	23255	12	#Max	QAM16	21.66	-5.77	-7.92	13.74	34.77	PASS
Band13	5	23255	25	#0	QAM16	21.61	-5.77	-7.92	13.69	34.77	PASS
Band13	10	23230	1	#0	QPSK	23.75	-5.77	-7.92	15.83	34.77	PASS
Band13	10	23230	1	#Mid	QPSK	23.58	-5.77	-7.92	15.66	34.77	PASS
Band13	10	23230	1	#Max	QPSK	23.59	-5.77	-7.92	15.67	34.77	PASS
Band13	10	23230	25	#0	QPSK	22.69	-5.77	-7.92	14.77	34.77	PASS
Band13	10	23230	25	#Mid	QPSK	22.65	-5.77	-7.92	14.73	34.77	PASS
Band13	10	23230	25	#Max	QPSK	22.64	-5.77	-7.92	14.72	34.77	PASS
Band13	10	23230	50	#0	QPSK	22.68	-5.77	-7.92	14.76	34.77	PASS
Band13	10	23230	1	#0	QAM16	23.23	-5.77	-7.92	15.31	34.77	PASS
Band13	10	23230	1	#Mid	QAM16	23.05	-5.77	-7.92	15.13	34.77	PASS
Band13	10	23230	1	#Max	QAM16	23.11	-5.77	-7.92	15.19	34.77	PASS
Band13	10	23230	25	#0	QAM16	21.70	-5.77	-7.92	13.78	34.77	PASS
Band13	10	23230	25	#Mid	QAM16	21.63	-5.77	-7.92	13.71	34.77	PASS
Band13	10	23230	25	#Max	QAM16	21.66	-5.77	-7.92	13.74	34.77	PASS
Band13	10	23230	50	#0	QAM16	21.66	-5.77	-7.92	13.74	34.77	PASS

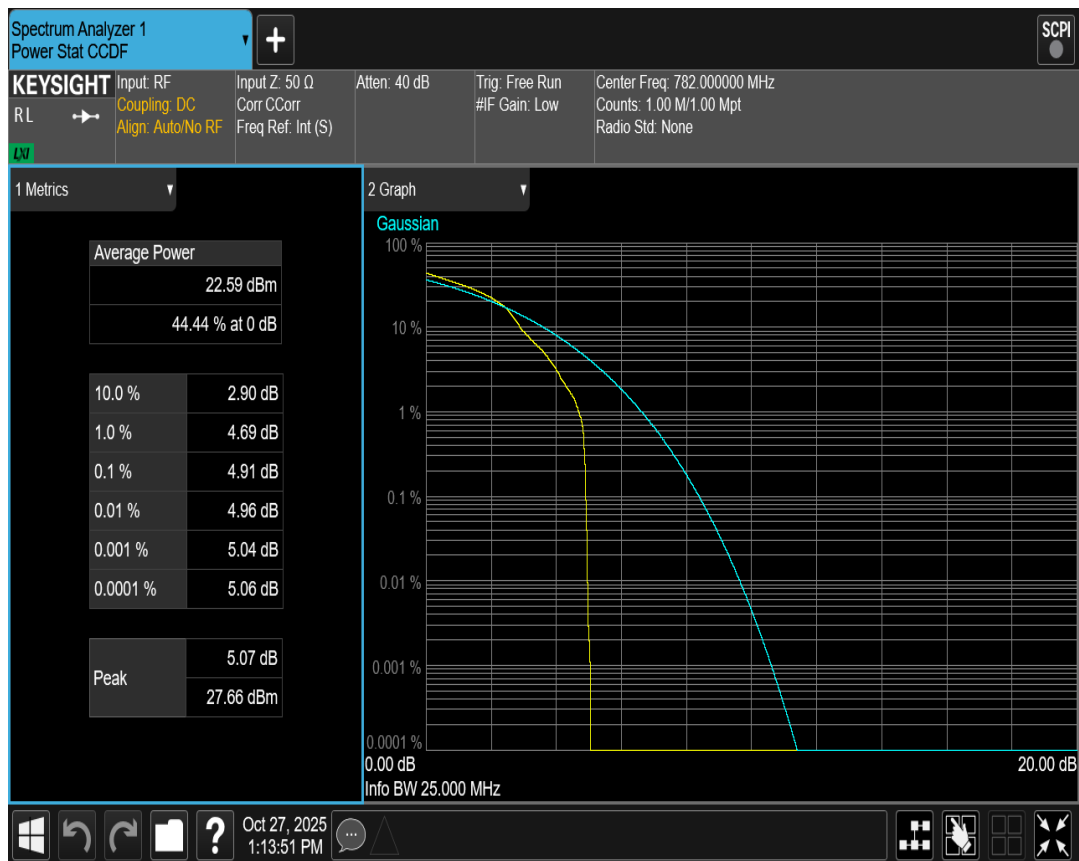
2 Frequency stability

<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>
Band13	10	23230	50	#0	QPSK	-4.72	-0.006	-2.5	2.5	PASS
Band13	10	23230	50	#0	QAM16	-0.70	-0.001	-2.5	2.5	PASS

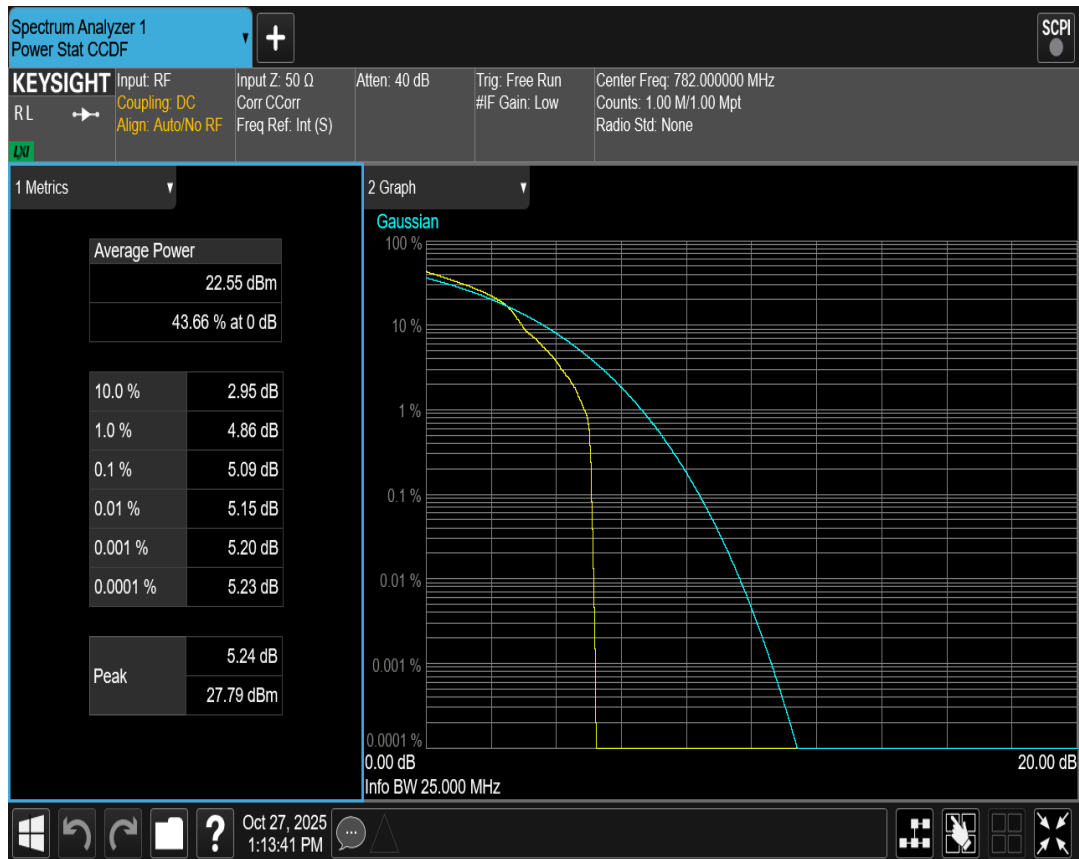
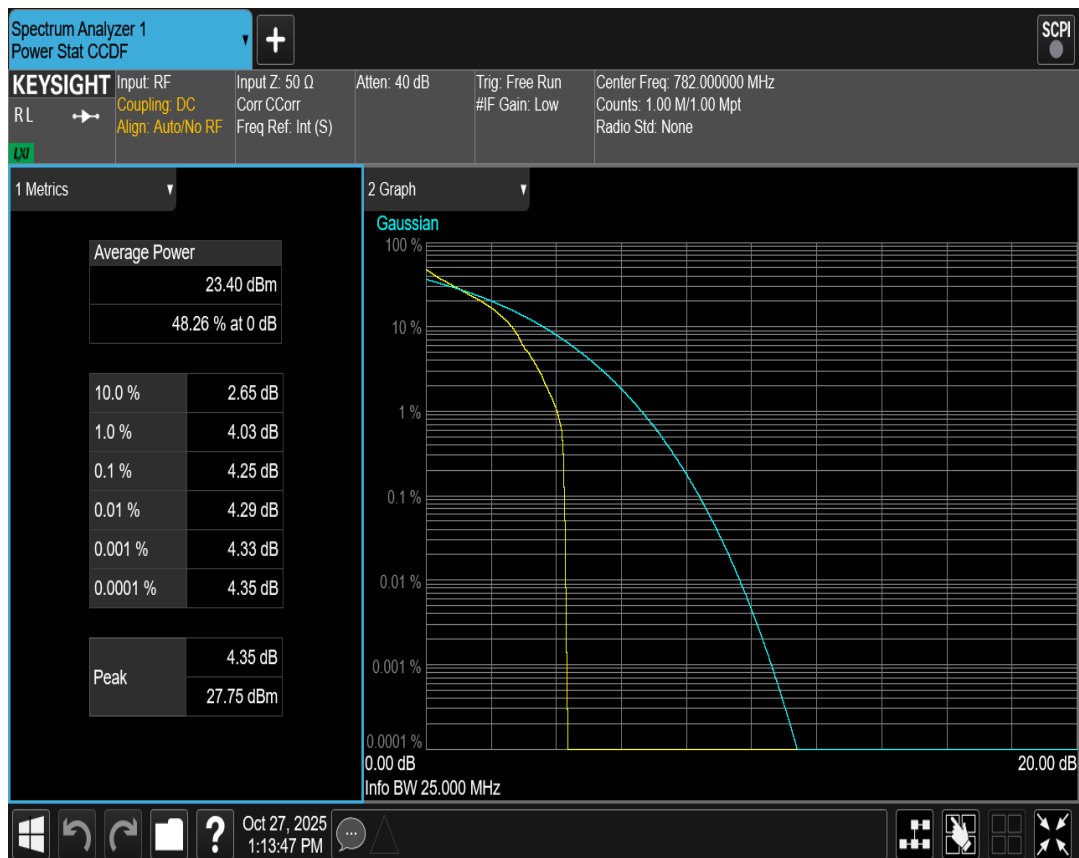
3 Peak-to-Average Ratio

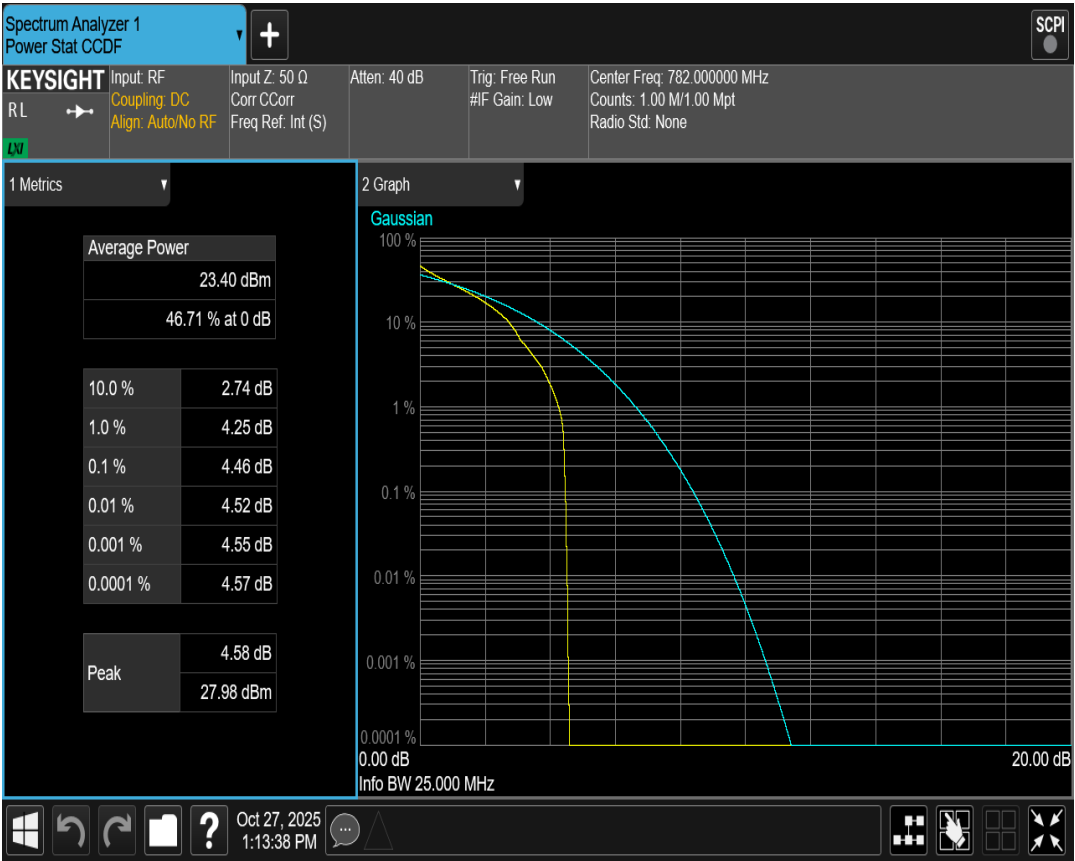
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band13	5	23230	1	#0	QPSK	4.46	13	PASS
Band13	5	23230	1	#0	QAM16	5.09	13	PASS
Band13	10	23230	1	#0	QPSK	4.25	13	PASS
Band13	10	23230	1	#0	QAM16	4.91	13	PASS

Band13 QAM16 BW=10MHz Channel=23230 RB Size=1 Position=#0



Band13 QAM16 BW=5MHz Channel=23230 RB Size=1 Position=#0

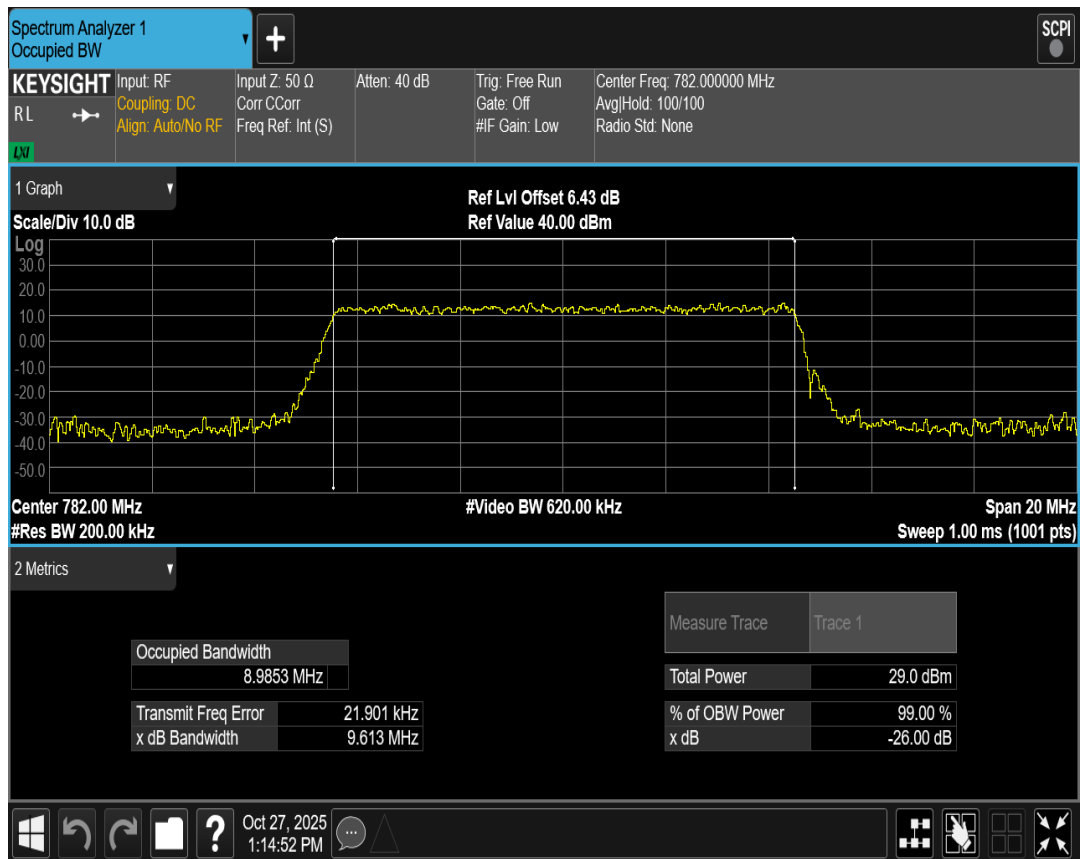
**Band13 QPSK BW=10MHz Channel=23230 RB Size=1 Position=#0****Band13 QPSK BW=5MHz Channel=23230 RB Size=1 Position=#0**



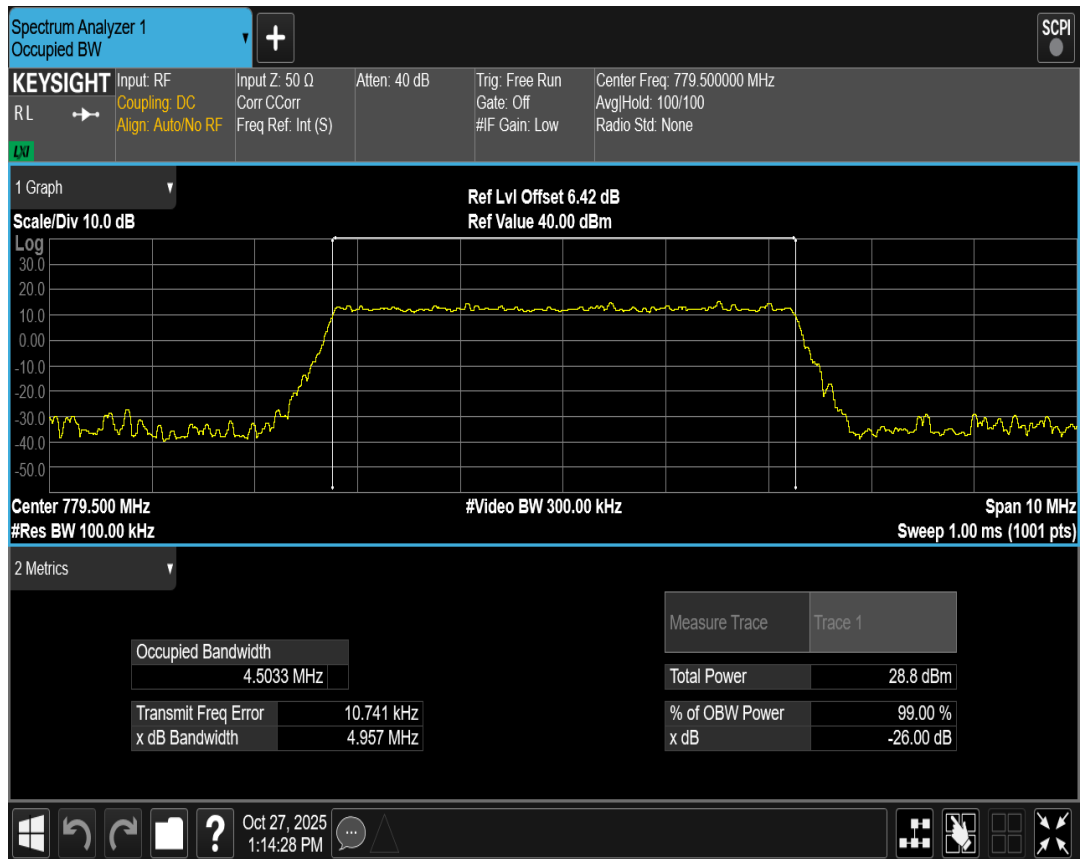
4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.493	4.906	PASS
Band13	5	23205	25	#0	QAM16	4.503	4.957	PASS
Band13	5	23230	25	#0	QPSK	4.506	4.862	PASS
Band13	5	23230	25	#0	QAM16	4.511	4.962	PASS
Band13	5	23255	25	#0	QPSK	4.501	4.921	PASS
Band13	5	23255	25	#0	QAM16	4.493	4.901	PASS
Band13	10	23230	50	#0	QPSK	8.997	9.638	PASS
Band13	10	23230	50	#0	QAM16	8.985	9.613	PASS

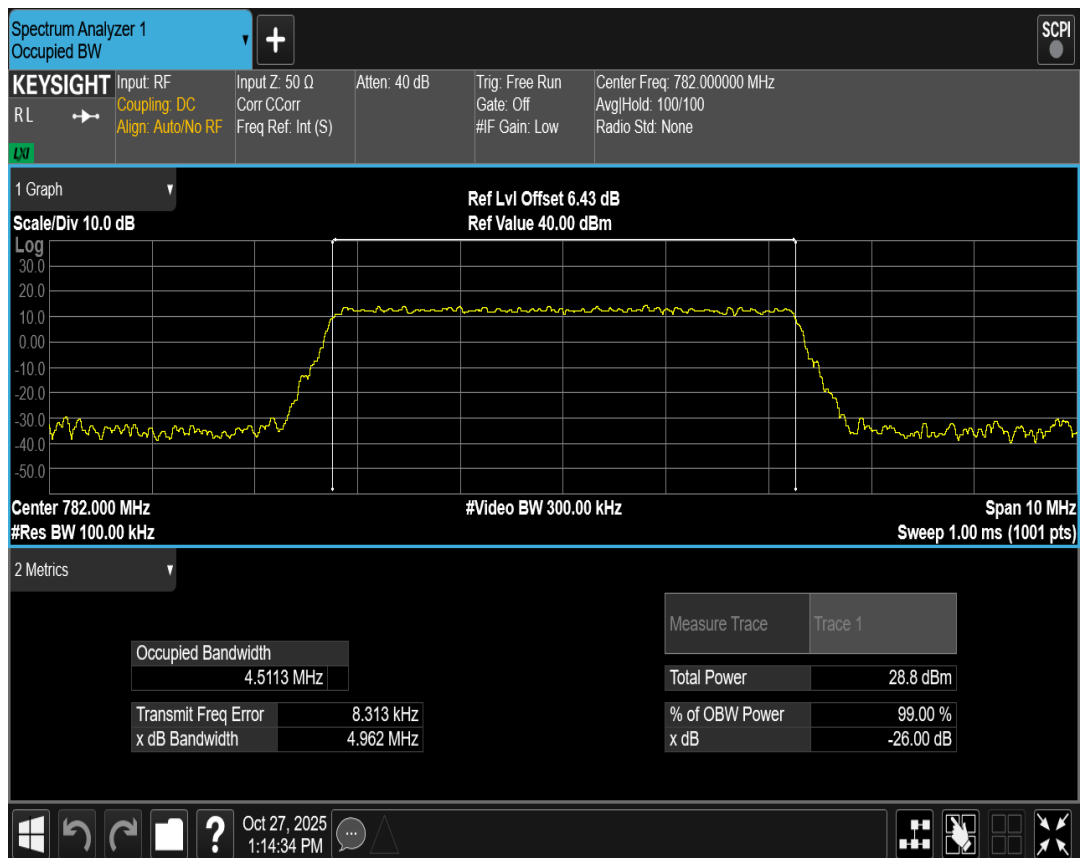
Band13 QAM16 BW=10MHz Channel=23230 RB Size=50 Position=#0



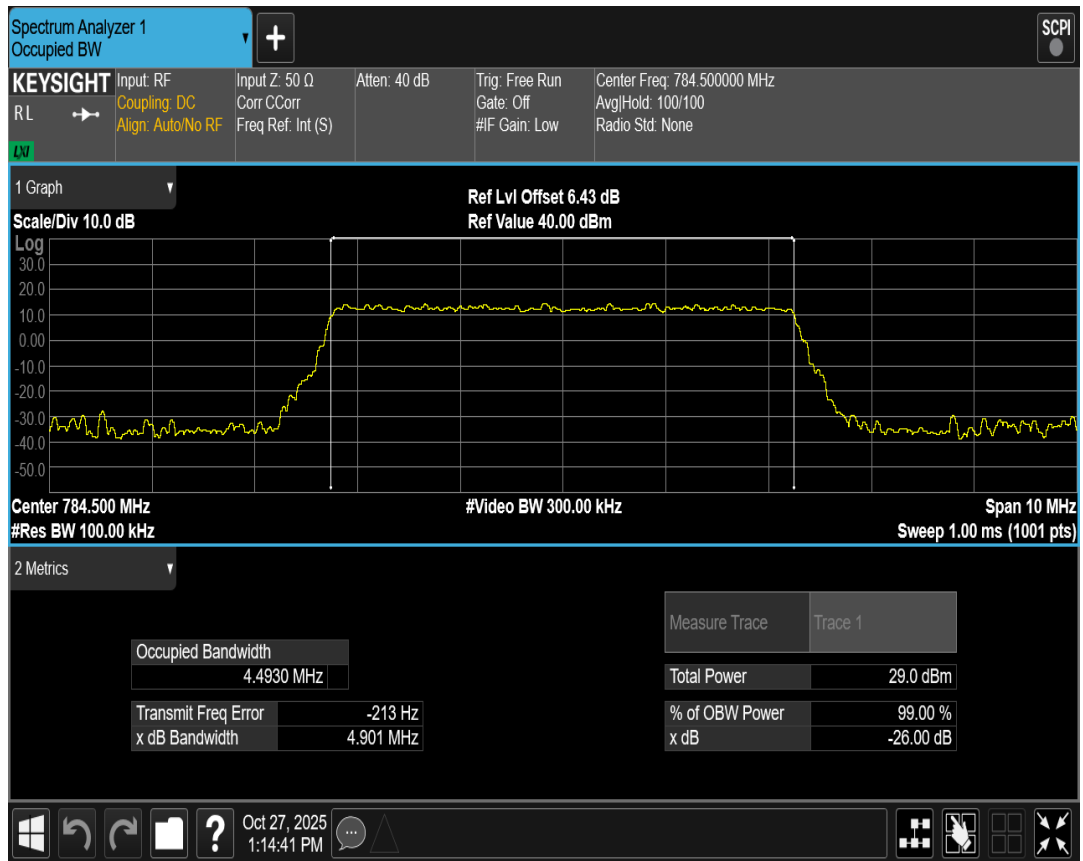
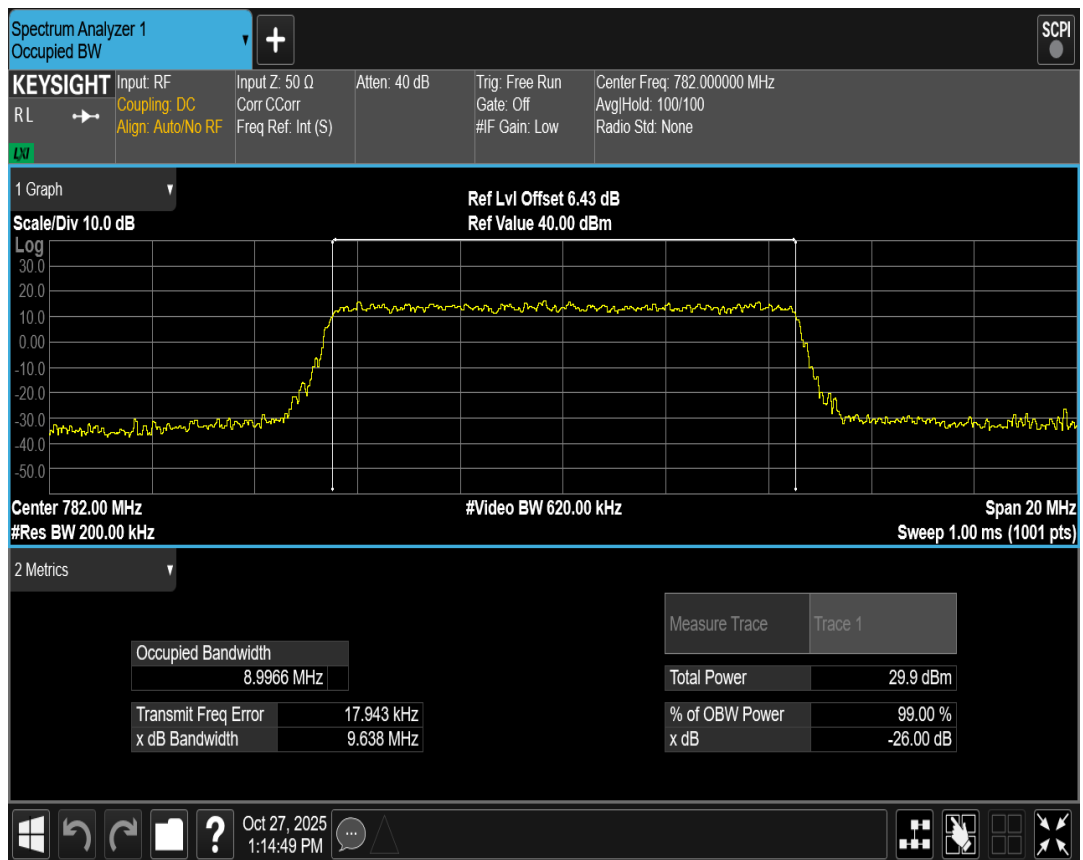
Band13 QAM16 BW=5MHz Channel=23205 RB Size=25 Position=#0

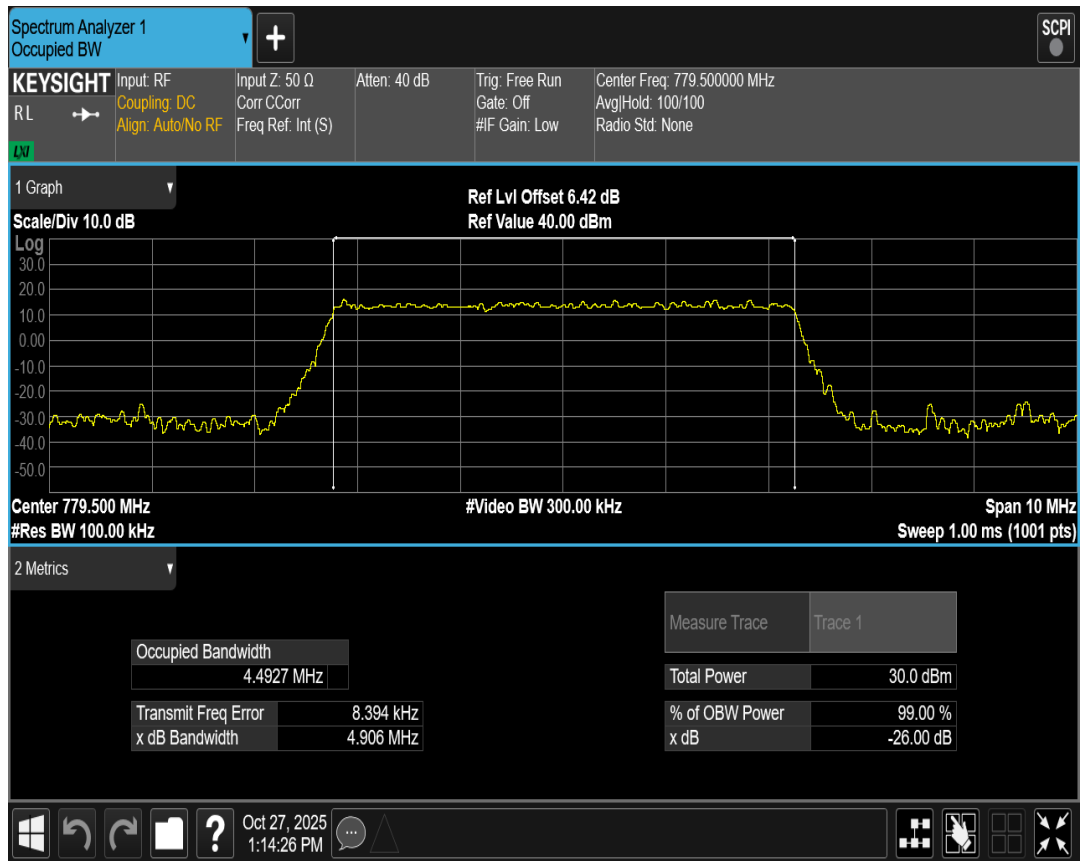
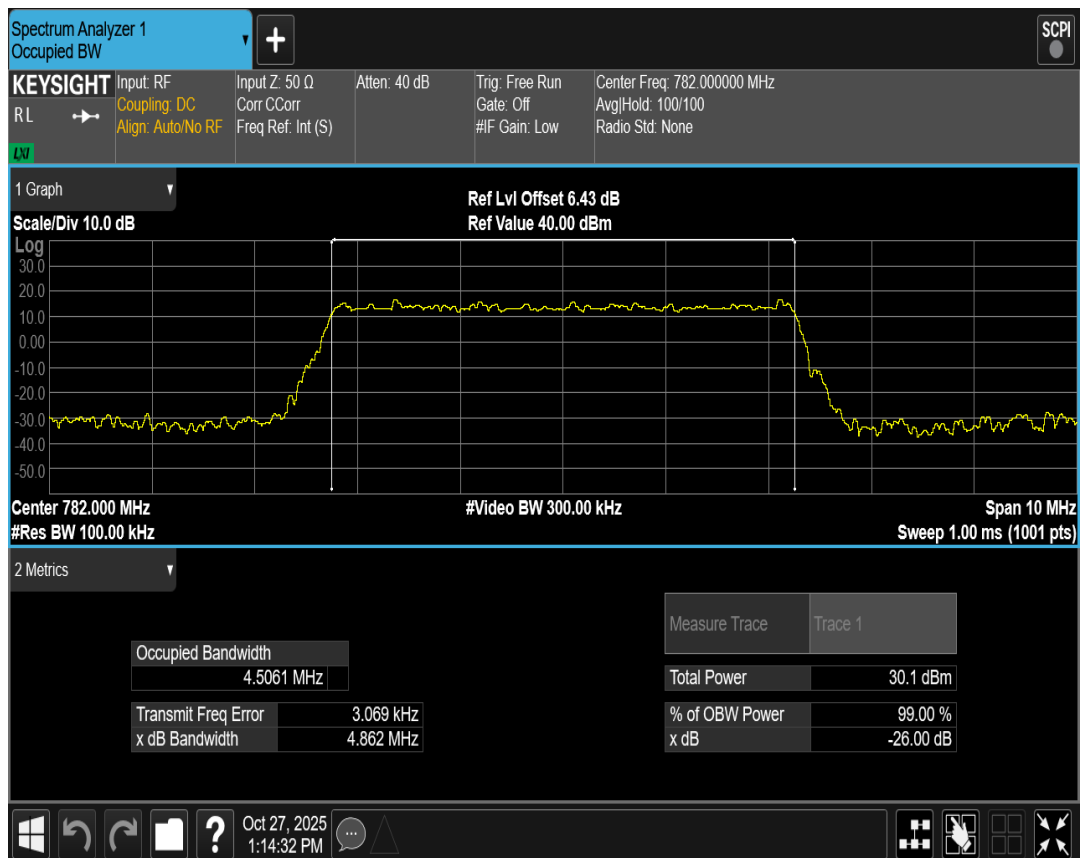


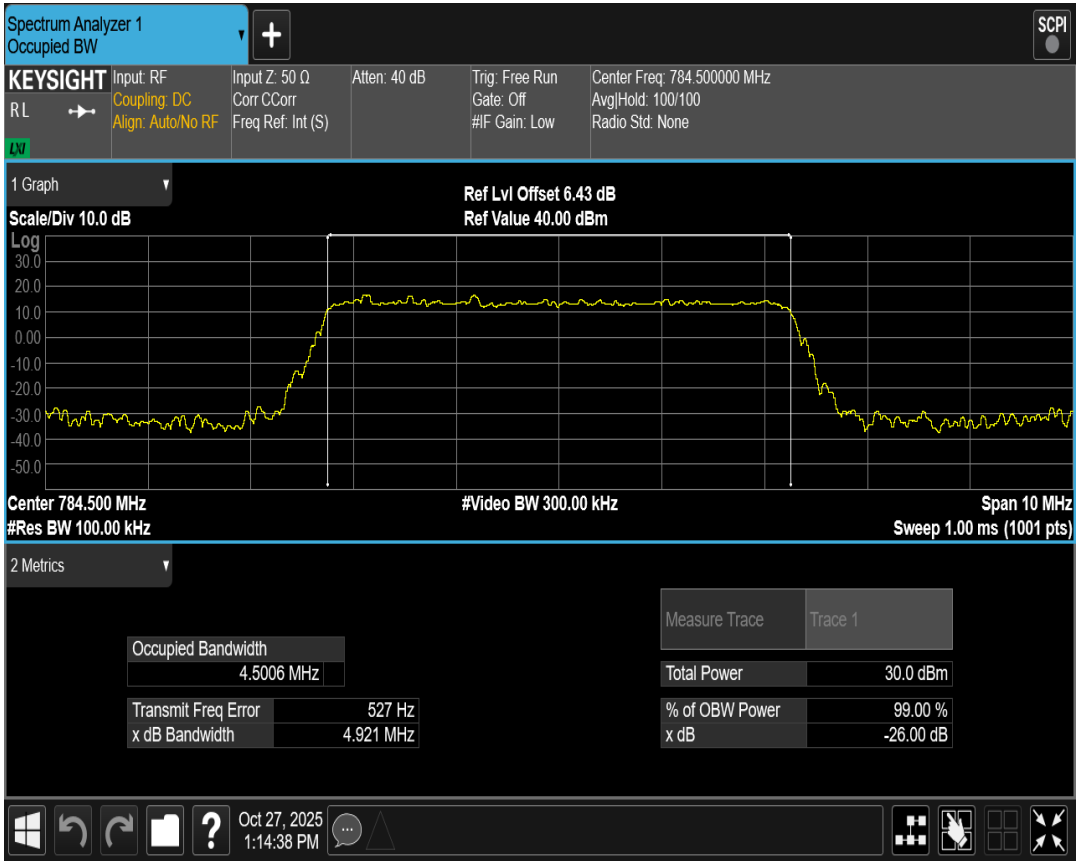
Band13 QAM16 BW=5MHz Channel=23230 RB Size=25 Position=#0



Band13 QAM16 BW=5MHz Channel=23255 RB Size=25 Position=#0

**Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0****Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0**

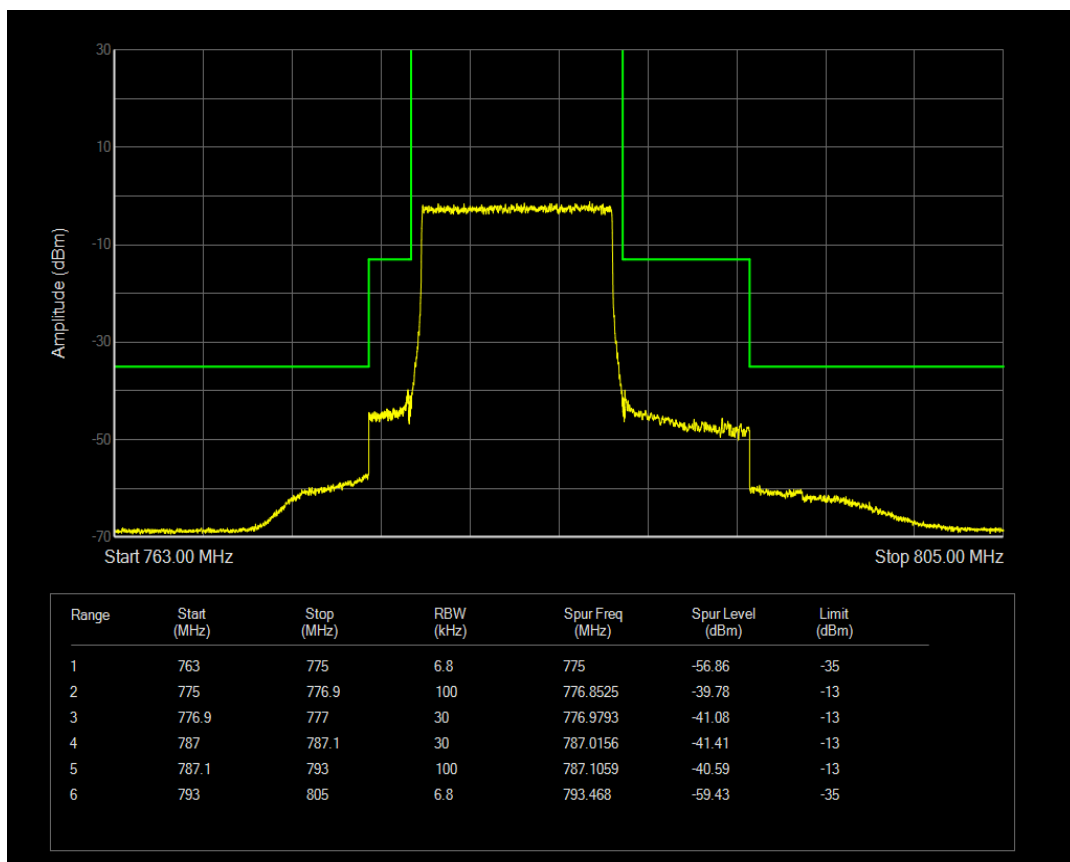
**Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0****Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0**



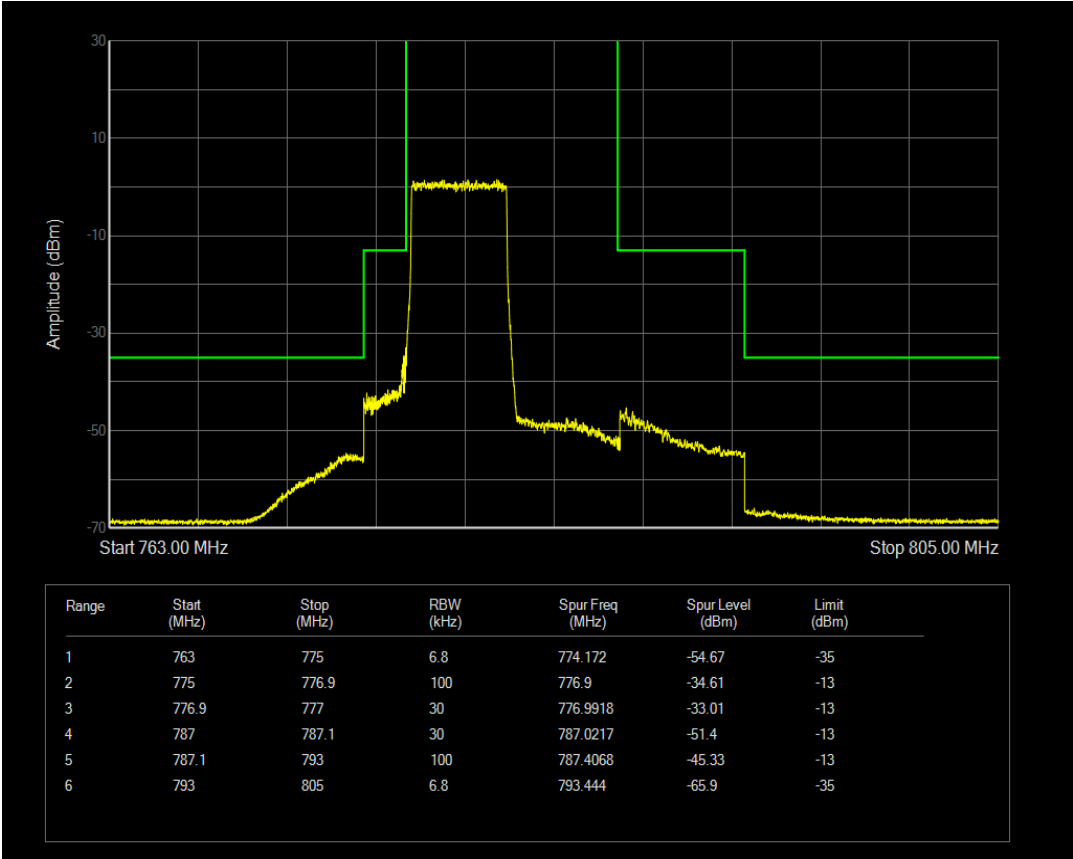
5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band13	5	23205	25	#0	QPSK	774.39	-52.09	-35	PASS
Band13	5	23205	25	#0	QAM16	774.17	-54.67	-35	PASS
Band13	5	23255	25	#0	QPSK	774.98	-62.82	-35	PASS
Band13	5	23255	25	#0	QAM16	787.00	-33.61	-13	PASS
Band13	10	23230	50	#0	QPSK	775.00	-56.04	-35	PASS
Band13	10	23230	50	#0	QAM16	775.00	-56.86	-35	PASS

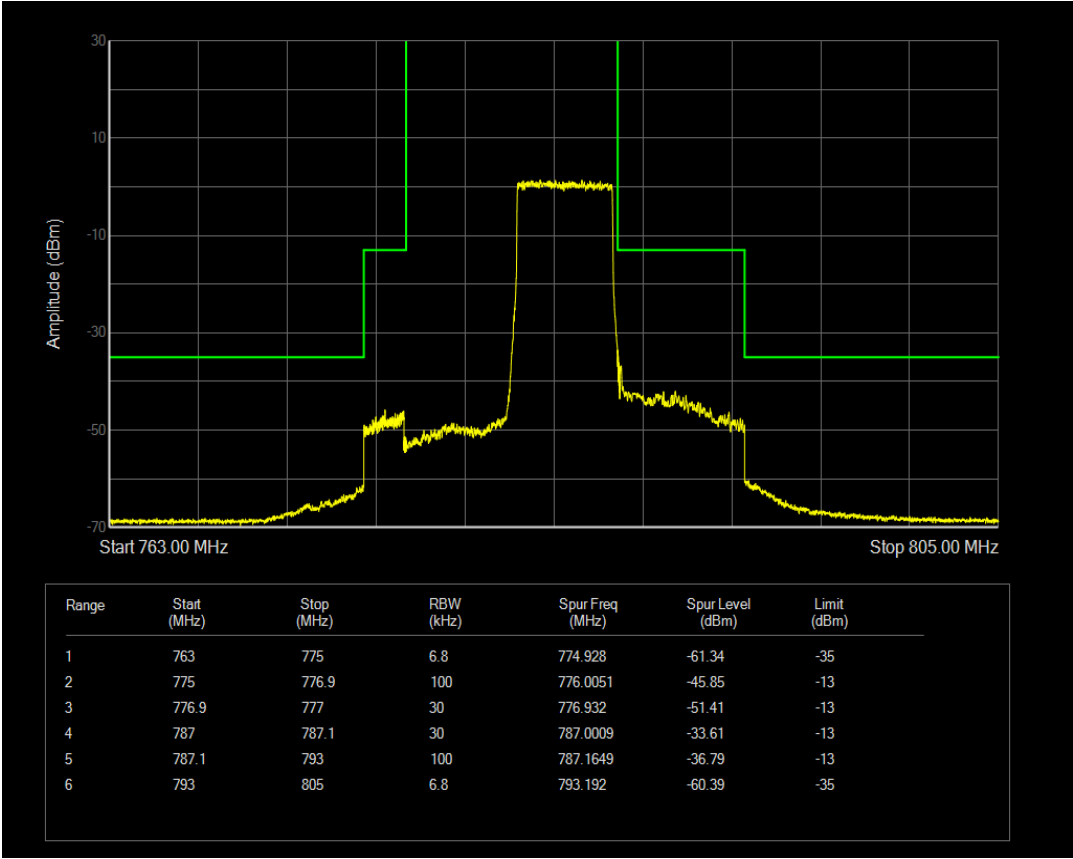
Band13 QAM16 BW=10MHz Channel=23230 RB Size=50 Position=#0



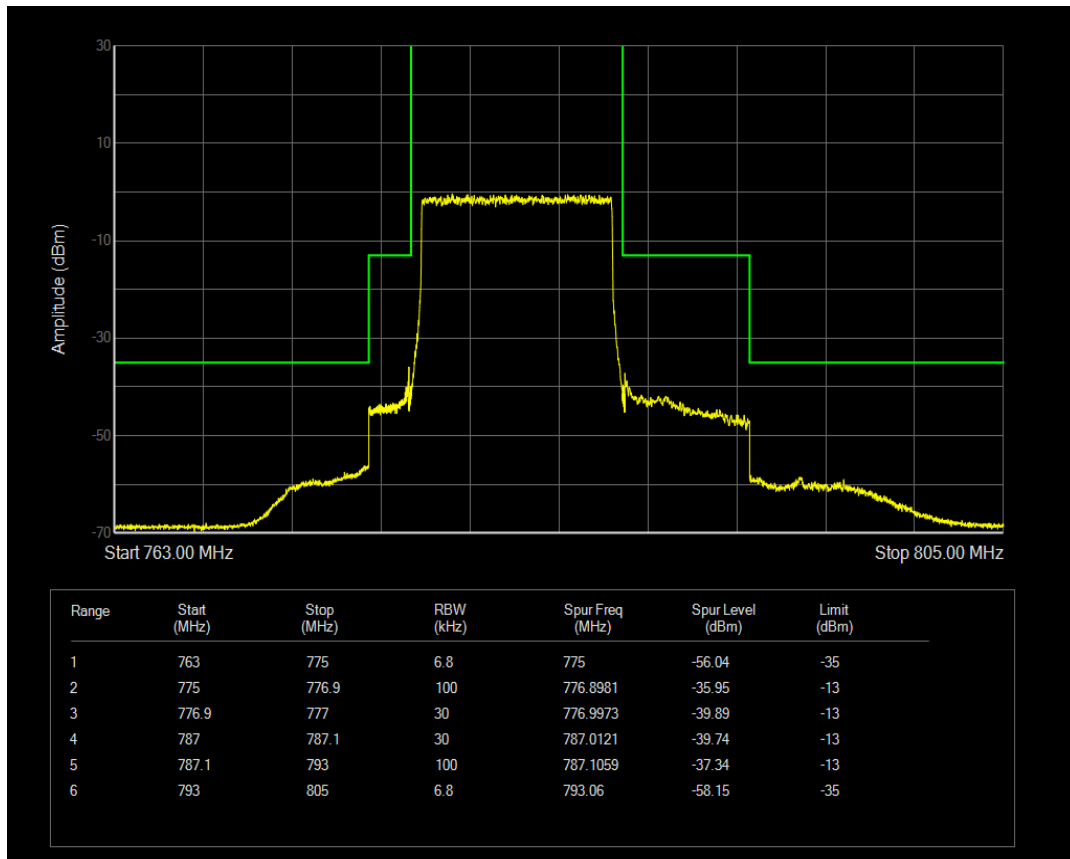
Band13 QAM16 BW=5MHz Channel=23205 RB Size=25 Position=#0



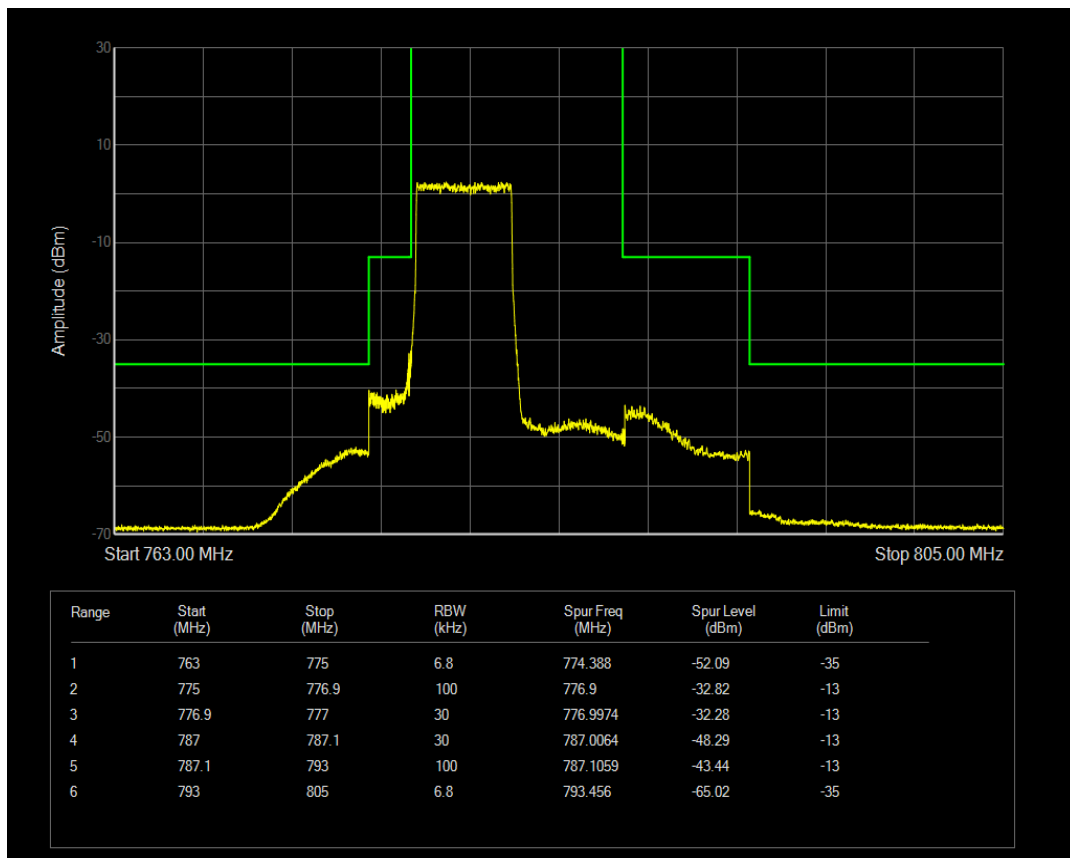
Band13 QAM16 BW=5MHz Channel=23255 RB Size=25 Position=#0



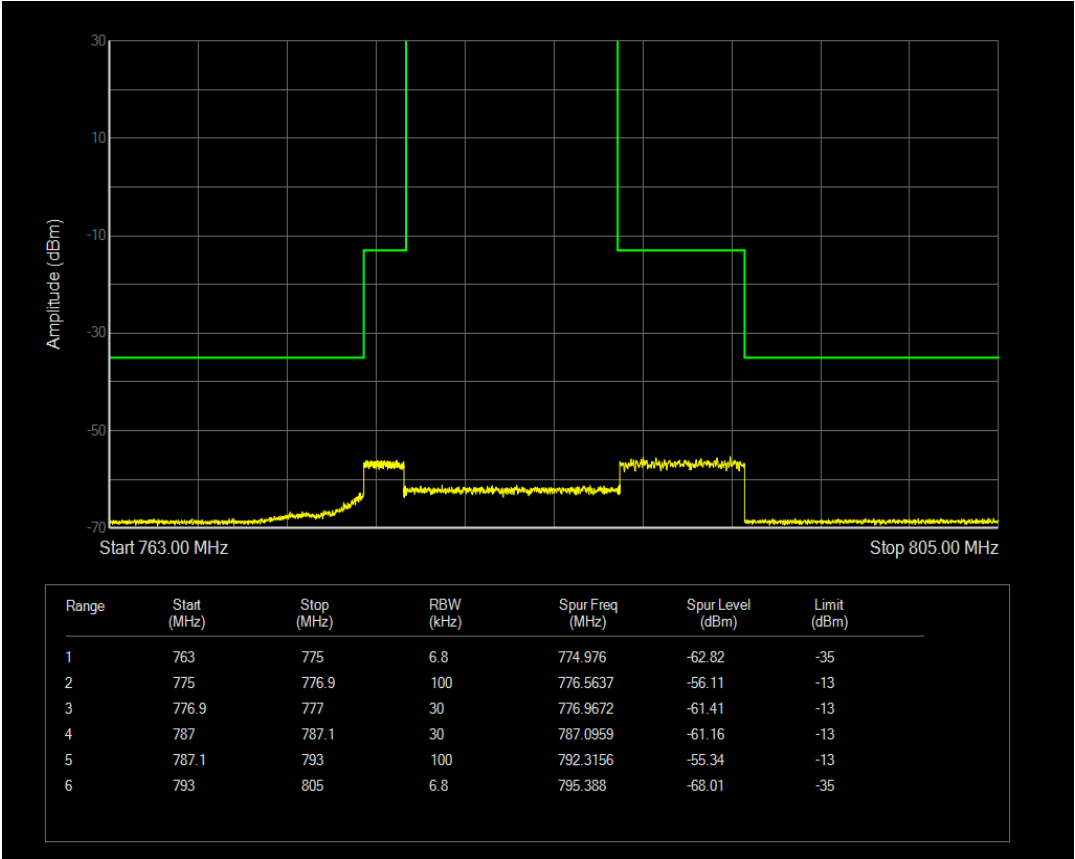
Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



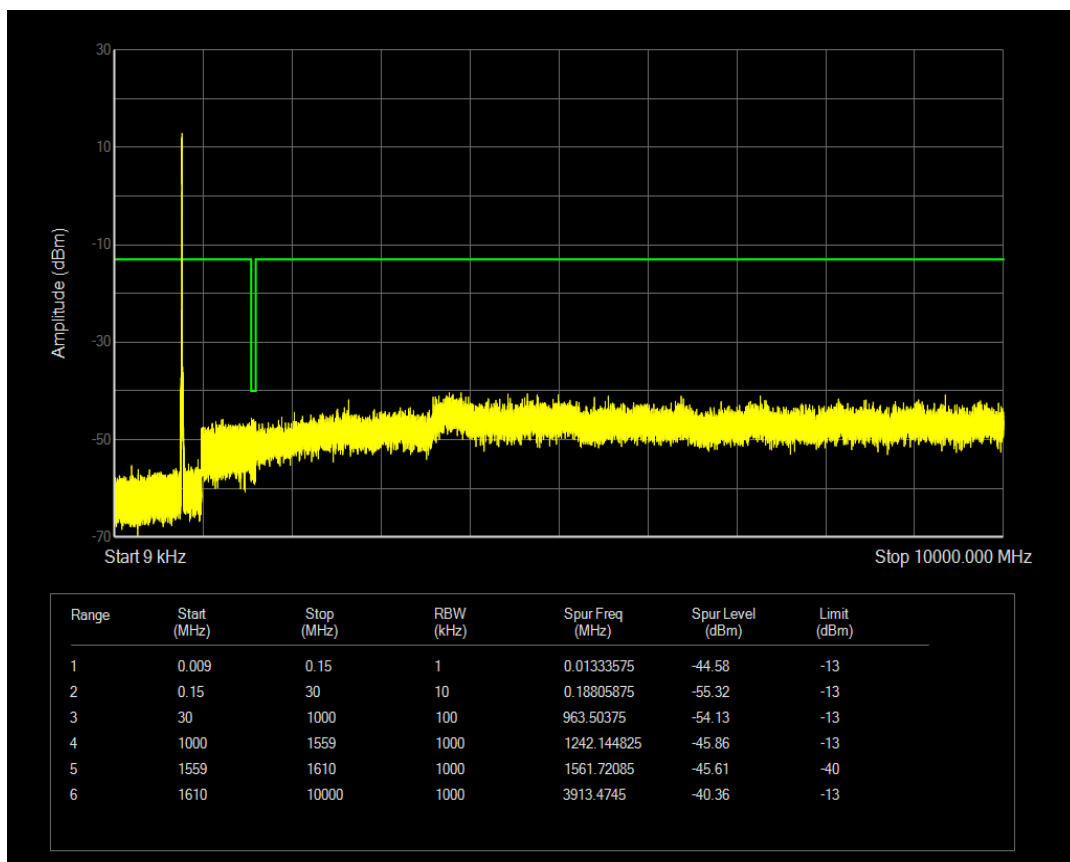
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



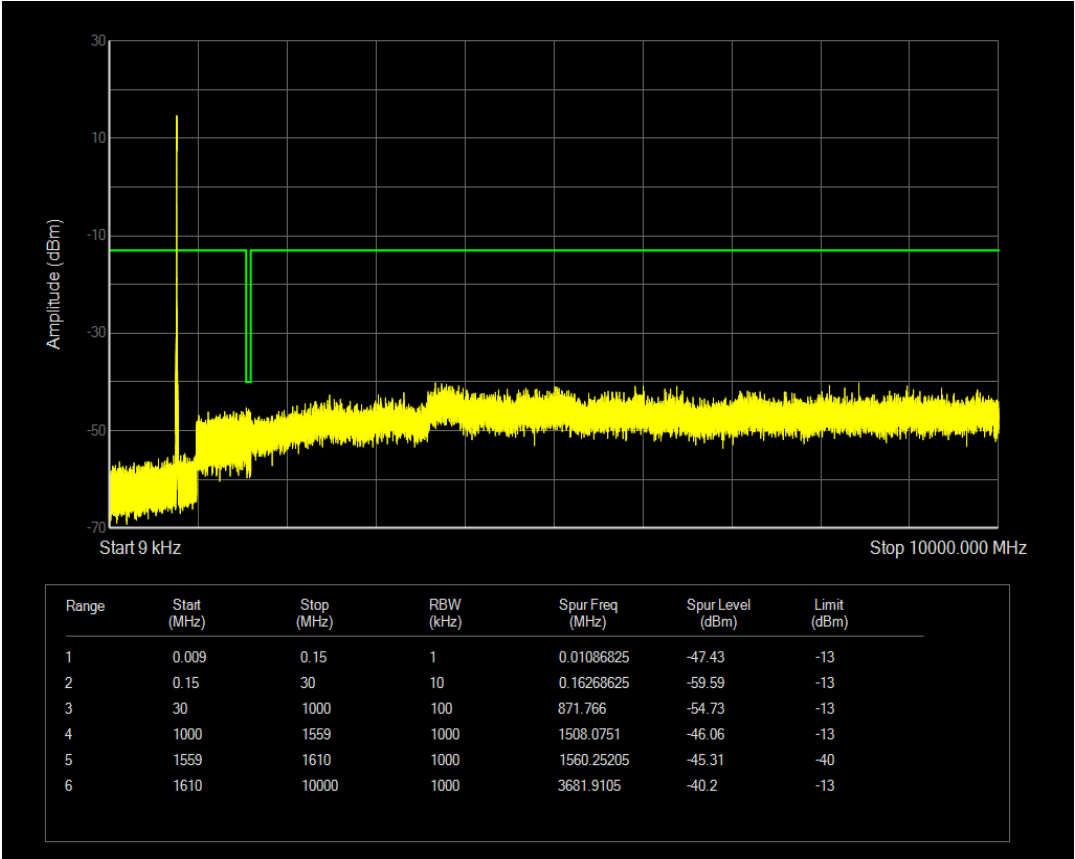
6 Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band13	5	23205	25	#0	QPSK	1581.93	-44.95	-40	PASS
Band13	5	23205	25	#0	QAM16	1560.25	-45.31	-40	PASS
Band13	5	23255	25	#0	QPSK	1571.27	-45.01	-40	PASS
Band13	5	23255	25	#0	QAM16	1568.70	-44.65	-40	PASS
Band13	10	23230	50	#0	QPSK	1568.09	-45.39	-40	PASS
Band13	10	23230	50	#0	QAM16	1561.72	-45.61	-40	PASS

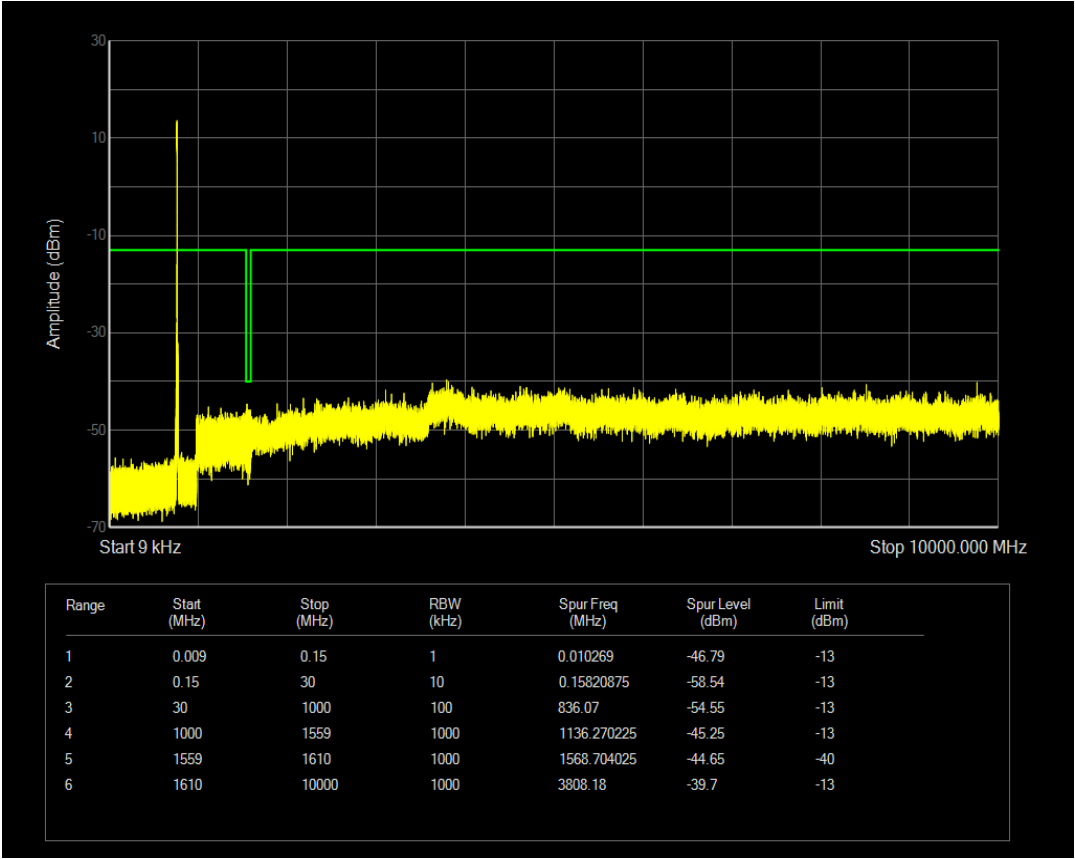
Band13 QAM16 BW=10MHz Channel=23230 RB Size=50 Position=#0



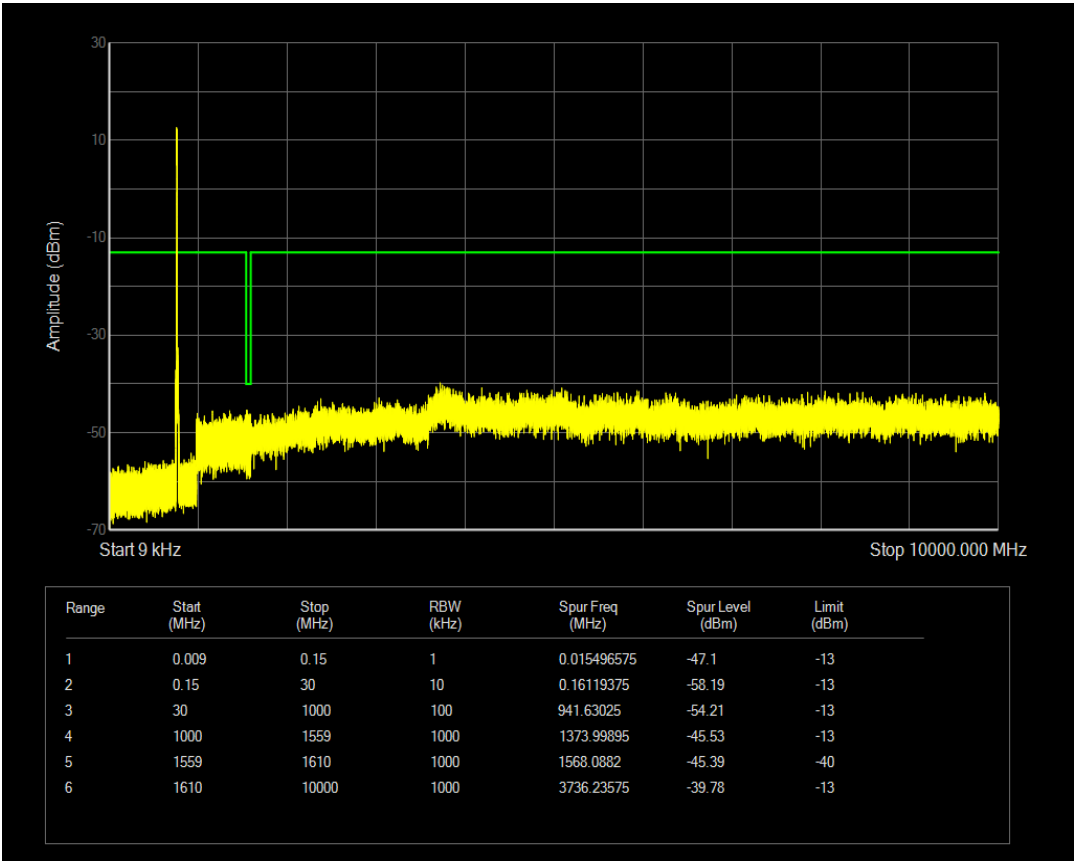
Band13 QAM16 BW=5MHz Channel=23205 RB Size=25 Position=#0



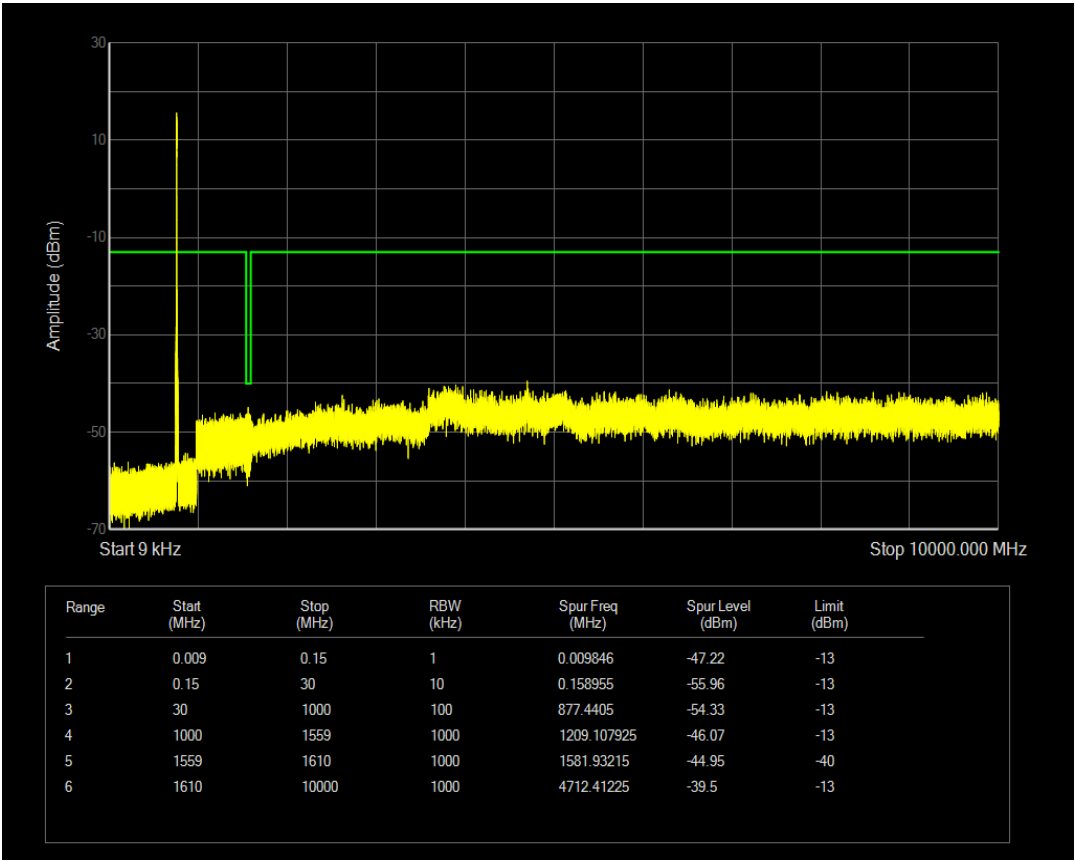
Band13 QAM16 BW=5MHz Channel=23255 RB Size=25 Position=#0



Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0

