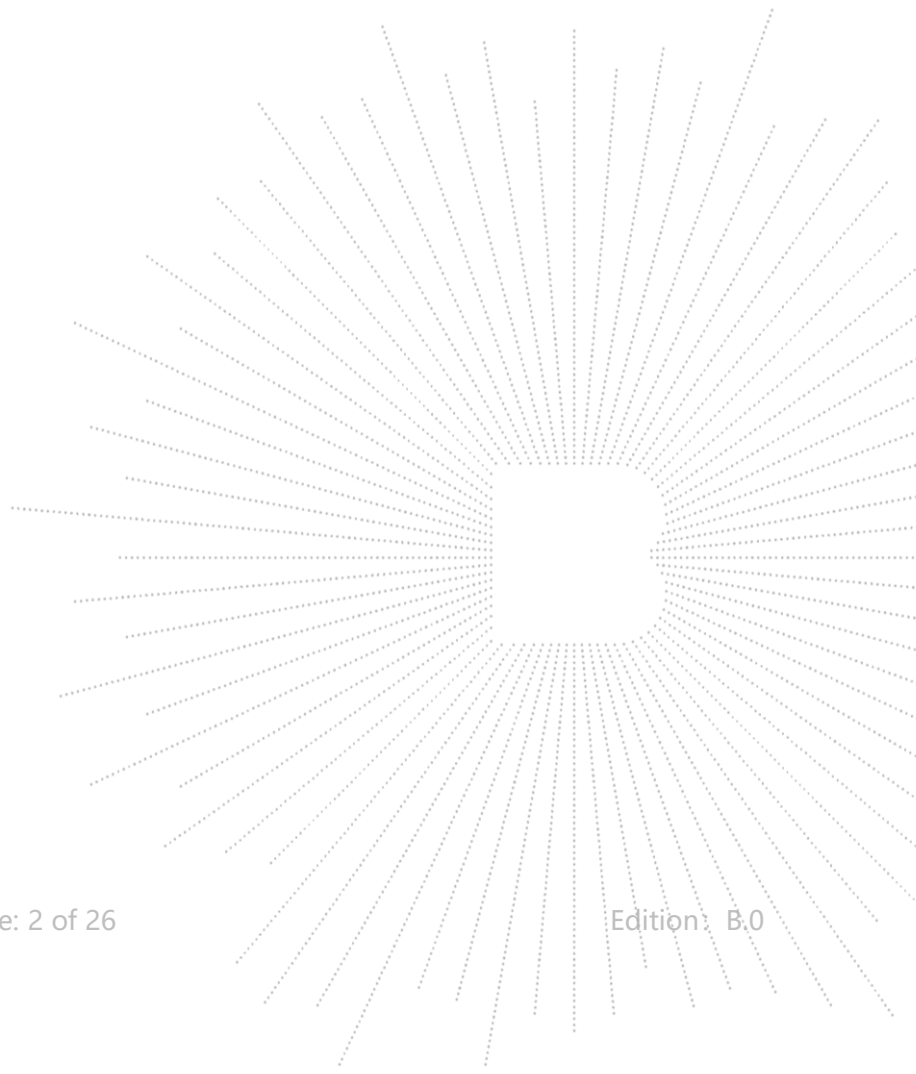


## Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band13	5	23205	1	#0	QPSK	23.22	PASS
Band13	5	23205	1	#Mid	QPSK	23.41	PASS
Band13	5	23205	1	#Max	QPSK	23.22	PASS
Band13	5	23205	12	#0	QPSK	22.36	PASS
Band13	5	23205	12	#Mid	QPSK	22.36	PASS
Band13	5	23205	12	#Max	QPSK	22.34	PASS
Band13	5	23205	25	#0	QPSK	22.34	PASS
Band13	5	23205	1	#0	16QAM	22.02	PASS
Band13	5	23205	1	#Mid	16QAM	22.26	PASS
Band13	5	23205	1	#Max	16QAM	21.92	PASS
Band13	5	23205	12	#0	16QAM	21.29	PASS
Band13	5	23205	12	#Mid	16QAM	21.27	PASS
Band13	5	23205	12	#Max	16QAM	21.21	PASS
Band13	5	23205	25	#0	16QAM	21.36	PASS
Band13	5	23230	1	#0	QPSK	23.21	PASS
Band13	5	23230	1	#Mid	QPSK	23.66	PASS
Band13	5	23230	1	#Max	QPSK	23.38	PASS
Band13	5	23230	12	#0	QPSK	22.34	PASS
Band13	5	23230	12	#Mid	QPSK	22.37	PASS
Band13	5	23230	12	#Max	QPSK	22.30	PASS
Band13	5	23230	25	#0	QPSK	22.33	PASS
Band13	5	23230	1	#0	16QAM	22.03	PASS
Band13	5	23230	1	#Mid	16QAM	22.11	PASS
Band13	5	23230	1	#Max	16QAM	22.04	PASS
Band13	5	23230	12	#0	16QAM	21.04	PASS
Band13	5	23230	12	#Mid	16QAM	21.12	PASS
Band13	5	23230	12	#Max	16QAM	21.06	PASS
Band13	5	23230	25	#0	16QAM	21.32	PASS
Band13	5	23255	1	#0	QPSK	23.22	PASS
Band13	5	23255	1	#Mid	QPSK	23.66	PASS
Band13	5	23255	1	#Max	QPSK	23.32	PASS
Band13	5	23255	12	#0	QPSK	22.32	PASS
Band13	5	23255	12	#Mid	QPSK	22.47	PASS
Band13	5	23255	12	#Max	QPSK	22.46	PASS
Band13	5	23255	25	#0	QPSK	22.50	PASS
Band13	5	23255	1	#0	16QAM	21.88	PASS
Band13	5	23255	1	#Mid	16QAM	22.57	PASS
Band13	5	23255	1	#Max	16QAM	22.06	PASS
Band13	5	23255	12	#0	16QAM	21.48	PASS
Band13	5	23255	12	#Mid	16QAM	21.58	PASS

Band13	5	23255	12	#Max	16QAM	21.58	PASS
Band13	5	23255	25	#0	16QAM	21.42	PASS
Band13	10	23230	1	#0	QPSK	23.37	PASS
Band13	10	23230	1	#Mid	QPSK	23.55	PASS
Band13	10	23230	1	#Max	QPSK	23.55	PASS
Band13	10	23230	25	#0	QPSK	22.28	PASS
Band13	10	23230	25	#Mid	QPSK	22.33	PASS
Band13	10	23230	25	#Max	QPSK	22.46	PASS
Band13	10	23230	50	#0	QPSK	22.41	PASS
Band13	10	23230	1	#0	16QAM	22.18	PASS
Band13	10	23230	1	#Mid	16QAM	22.21	PASS
Band13	10	23230	1	#Max	16QAM	22.43	PASS
Band13	10	23230	25	#0	16QAM	21.32	PASS
Band13	10	23230	25	#Mid	16QAM	21.26	PASS
Band13	10	23230	25	#Max	16QAM	21.38	PASS
Band13	10	23230	50	#0	16QAM	21.32	PASS



**Appendix 2. Frequency stability**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 13	5	23205	25	#0	QPSK	LV	NT	-1.82	-0.02	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	NT	-2.52	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	HV	NT	-2.16	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	LV	NT	-1.42	-0.02	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	NV	NT	-2.33	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	HV	NT	-2.22	-0.03	-2.5	2.5	PASS
Band 13	5	23230	25	#0	QPSK	LV	NT	-1.30	-0.02	-2.5	2.5	PASS
Band 13	5	23230	25	#0	QPSK	NV	NT	-0.74	-0.01	-2.5	2.5	PASS
Band 13	5	23230	25	#0	QPSK	HV	NT	-1.49	-0.02	-2.5	2.5	PASS
Band 13	5	23230	25	#0	16QAM	LV	NT	-1.57	-0.02	-2.5	2.5	PASS
Band 13	5	23230	25	#0	16QAM	NV	NT	-1.83	-0.02	-2.5	2.5	PASS
Band 13	5	23230	25	#0	16QAM	HV	NT	-0.93	-0.01	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	LV	NT	-0.83	-0.01	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	NT	-0.31	0.00	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	HV	NT	-0.90	-0.01	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	LV	NT	-0.83	-0.01	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	NT	-0.50	-0.01	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	HV	NT	-0.49	-0.01	-2.5	2.5	PASS

Band 13	10	23230	50	#0	QPSK	LV	NT	-1.89	-0.02	-2.5	2.5	PASS
Band 13	10	23230	50	#0	QPSK	NV	NT	-1.36	-0.02	-2.5	2.5	PASS
Band 13	10	23230	50	#0	QPSK	HV	NT	-0.59	-0.01	-2.5	2.5	PASS
Band 13	10	23230	50	#0	16QAM	LV	NT	-0.99	-0.01	-2.5	2.5	PASS
Band 13	10	23230	50	#0	16QAM	NV	NT	-1.85	-0.02	-2.5	2.5	PASS
Band 13	10	23230	50	#0	16QAM	HV	NT	-1.33	-0.02	-2.5	2.5	PASS

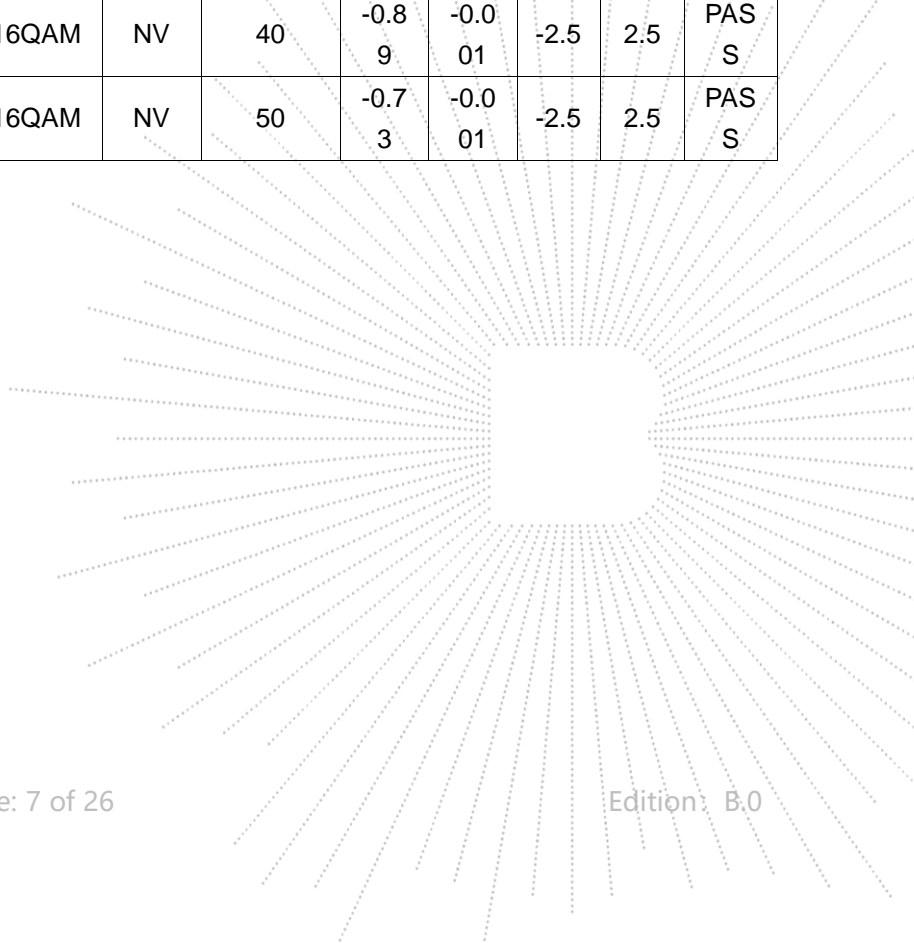
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band 13	5	23205	25	#0	QPSK	NV	-30	-1.83	-0.02	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	-20	-2.13	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	-10	-2.65	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	0	-2.09	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	10	-2.35	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	20	-1.75	-0.02	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	30	-2.09	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	40	-2.53	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	QPSK	NV	50	-2.26	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	NV	-30	-1.90	-0.02	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	NV	-20	-2.20	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	NV	-10	-2.40	-0.03	-2.5	2.5	PASS
Band 13	5	23205	25	#0	16QAM	NV	0	-1.44	-0.02	-2.5	2.5	PASS

Band 13	5	23205	25	#0	16QAM	NV	10	-1.9 3	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23205	25	#0	16QAM	NV	20	-1.7 9	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23205	25	#0	16QAM	NV	30	-2.3 5	-0.0 03	-2.5	2.5	PAS S
Band 13	5	23205	25	#0	16QAM	NV	40	-2.5 7	-0.0 03	-2.5	2.5	PAS S
Band 13	5	23205	25	#0	16QAM	NV	50	-1.7 3	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	-30	-1.1 9	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	-20	-0.9 0	-0.0 01	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	-10	-1.6 3	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	0	-0.4 6	-0.0 01	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	10	-0.8 2	-0.0 01	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	20	-1.1 4	-0.0 01	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	30	-1.4 3	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	40	-1.9 7	-0.0 03	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	QPSK	NV	50	-1.8 9	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	-30	-1.3 6	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	-20	-1.0 2	-0.0 01	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	-10	-1.3 4	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	0	-1.6 3	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	10	-1.8 0	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	20	-0.9 3	-0.0 01	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	30	-1.4 0	-0.0 02	-2.5	2.5	PAS S
Band 13	5	23230	25	#0	16QAM	NV	40	-0.8 3	-0.0 01	-2.5	2.5	PAS S

Band 13	5	23230	25	#0	16QAM	NV	50	-1.07	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	-30	-0.74	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	-20	-0.79	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	-10	-1.14	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	0	-0.90	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	10	-1.30	-0.002	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	20	0.14	0.000	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	30	0.07	0.000	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	40	-0.86	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	QPSK	NV	50	-0.76	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	-30	-1.07	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	-20	-0.60	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	-10	-0.59	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	0	-0.29	0.000	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	10	-1.17	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	20	-1.36	-0.002	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	30	0.07	0.000	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	40	-1.10	-0.001	-2.5	2.5	PASS
Band 13	5	23255	25	#0	16QAM	NV	50	0.19	0.000	-2.5	2.5	PASS
Band 13	10	23230	50	#0	QPSK	NV	-30	-1.43	-0.002	-2.5	2.5	PASS
Band 13	10	23230	50	#0	QPSK	NV	-20	-1.77	-0.002	-2.5	2.5	PASS
Band 13	10	23230	50	#0	QPSK	NV	-10	-1.26	-0.002	-2.5	2.5	PASS



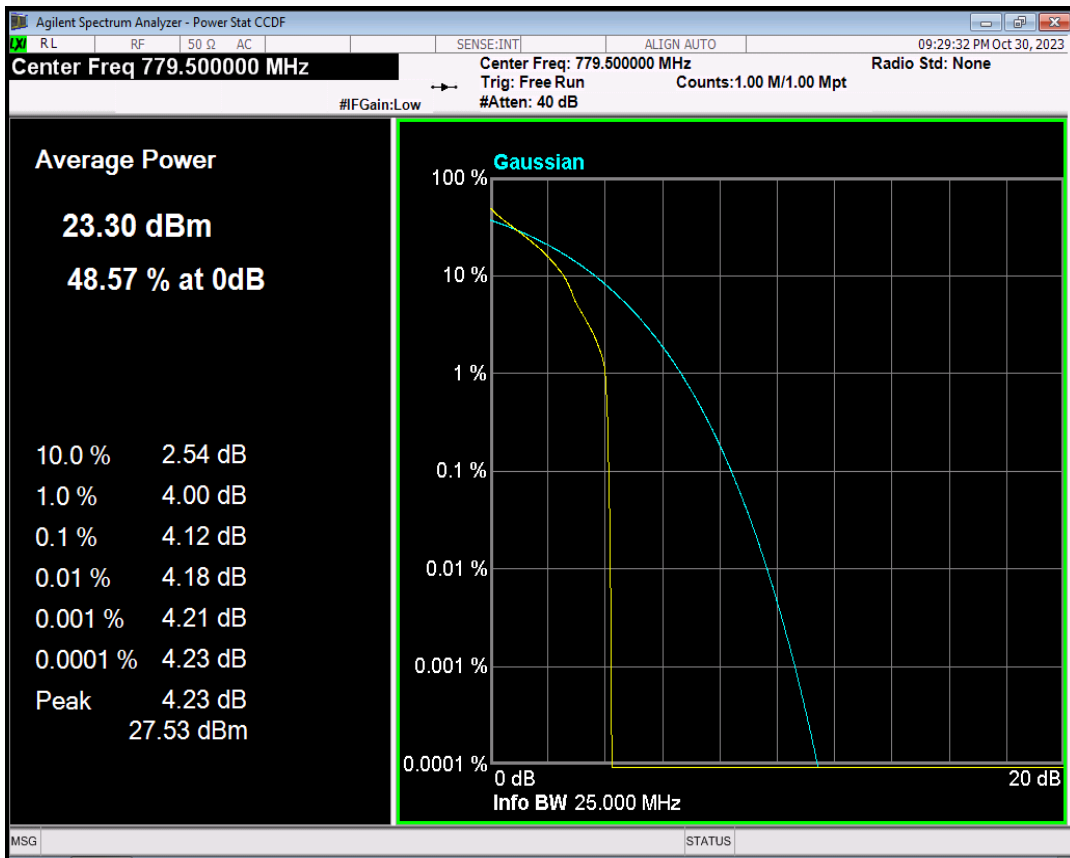
Band 13	10	23230	50	#0	QPSK	NV	0	-1.0 0	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	QPSK	NV	10	-1.0 3	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	QPSK	NV	20	-1.3 2	-0.0 02	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	QPSK	NV	30	-1.1 3	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	QPSK	NV	40	-1.6 7	-0.0 02	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	QPSK	NV	50	-0.7 6	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	-30	-1.1 4	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	-20	-1.3 0	-0.0 02	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	-10	-0.7 9	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	0	-1.5 9	-0.0 02	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	10	-1.4 2	-0.0 02	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	20	-0.8 0	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	30	-0.4 6	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	40	-0.8 9	-0.0 01	-2.5	2.5	PAS S
Band 13	10	23230	50	#0	16QAM	NV	50	-0.7 3	-0.0 01	-2.5	2.5	PAS S



### Appendix 3. Peak-to-Average Ratio

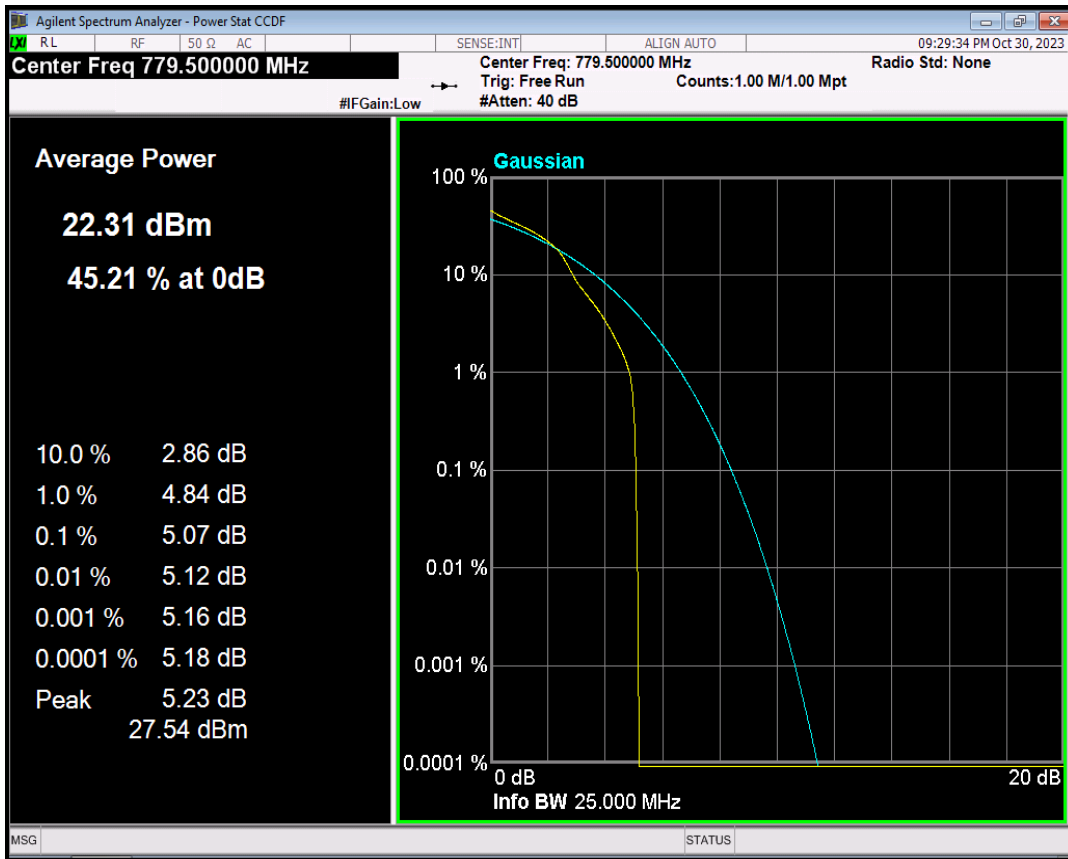
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band13	5	23205	1	#0	QPSK	4.12	13	PASS
Band13	5	23205	1	#0	16QAM	5.07	13	PASS
Band13	5	23230	1	#0	QPSK	4.40	13	PASS
Band13	5	23230	1	#0	16QAM	5.26	13	PASS
Band13	5	23255	1	#0	QPSK	4.35	13	PASS
Band13	5	23255	1	#0	16QAM	5.30	13	PASS
Band13	10	23230	1	#0	QPSK	4.08	13	PASS
Band13	10	23230	1	#0	16QAM	5.00	13	PASS

Band13 QPSK BW=5MHz Channel=23205 RB Size=1 Position=#0

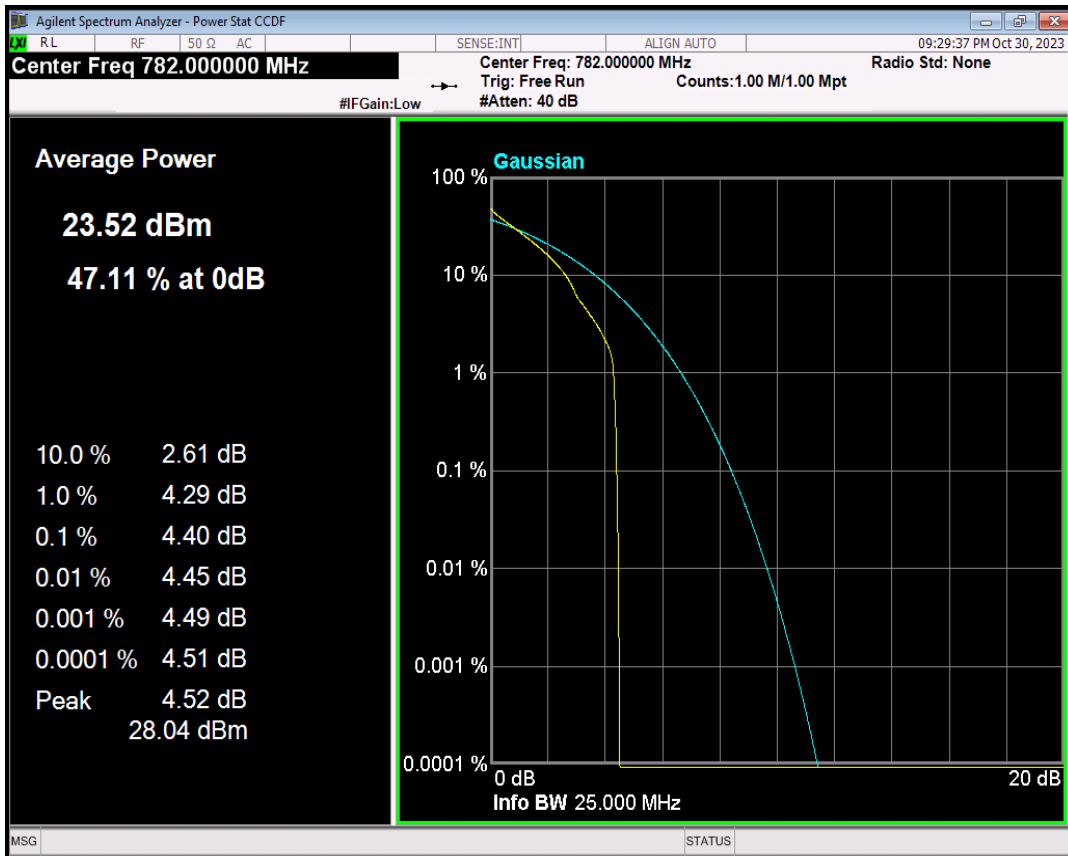




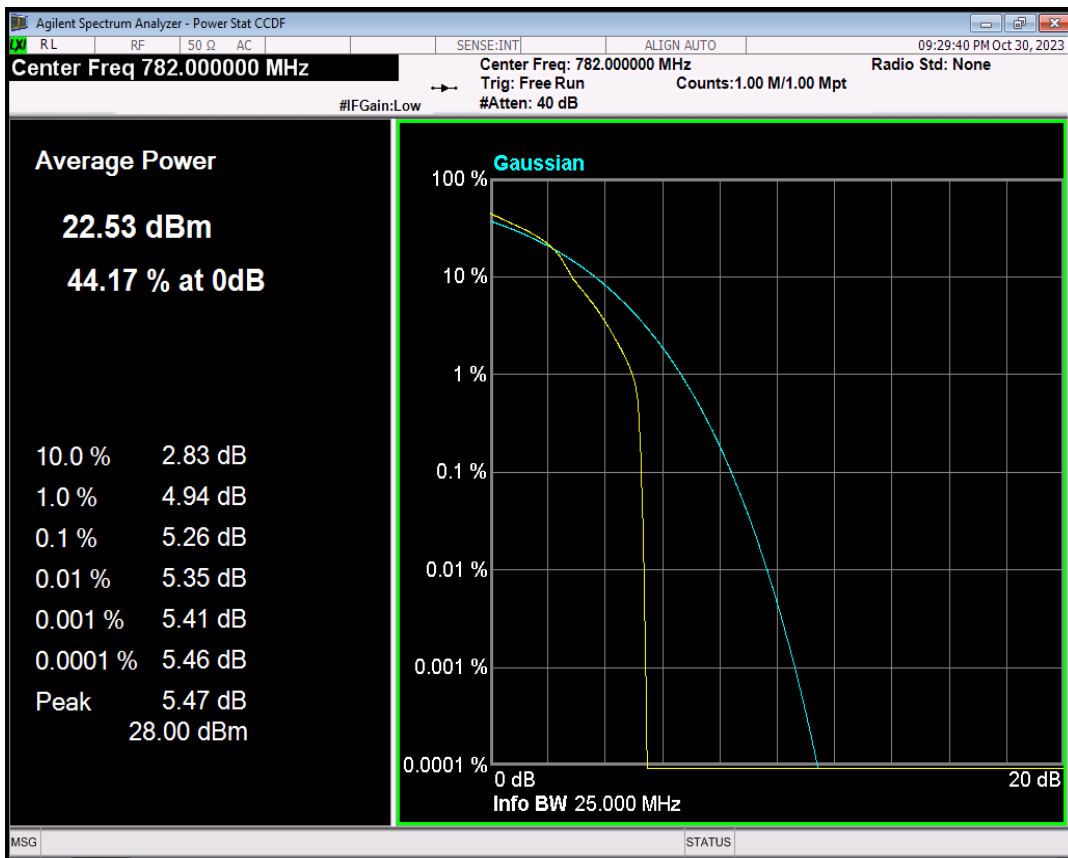
Band13 16QAM BW=5MHz Channel=23205 RB Size=1 Position=#0



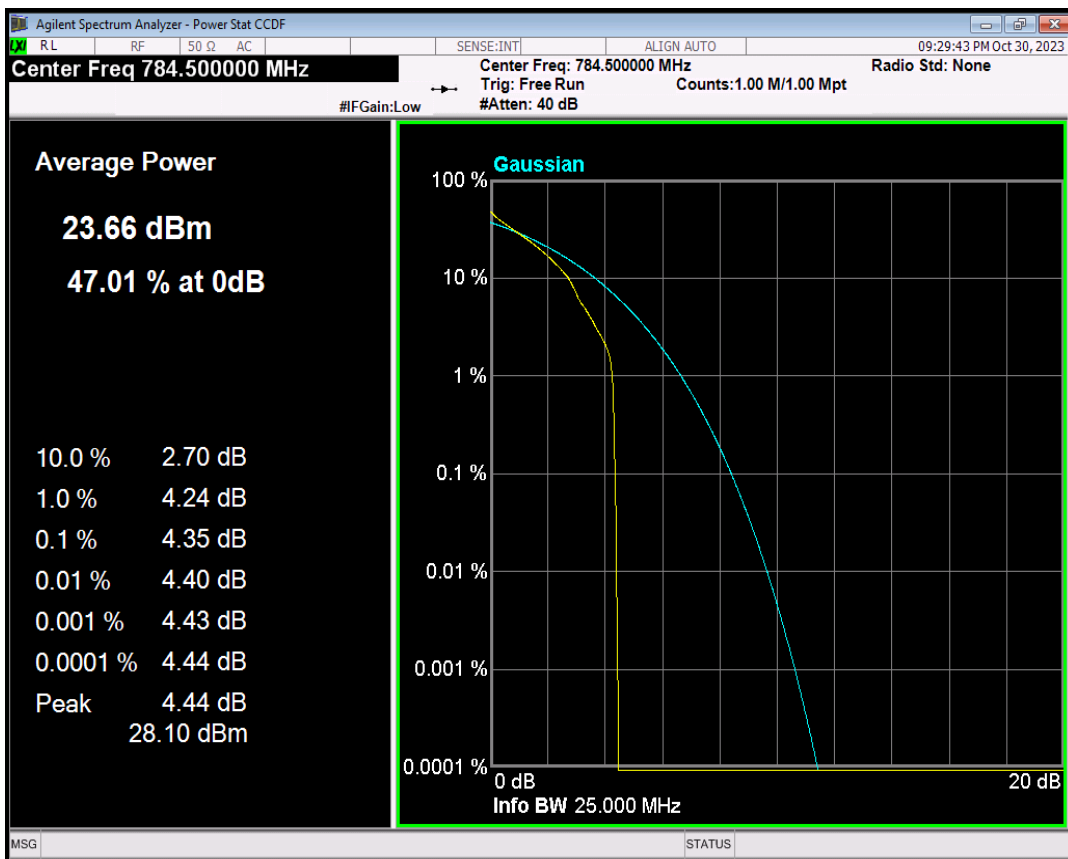
Band13 QPSK BW=5MHz Channel=23230 RB Size=1 Position=#0



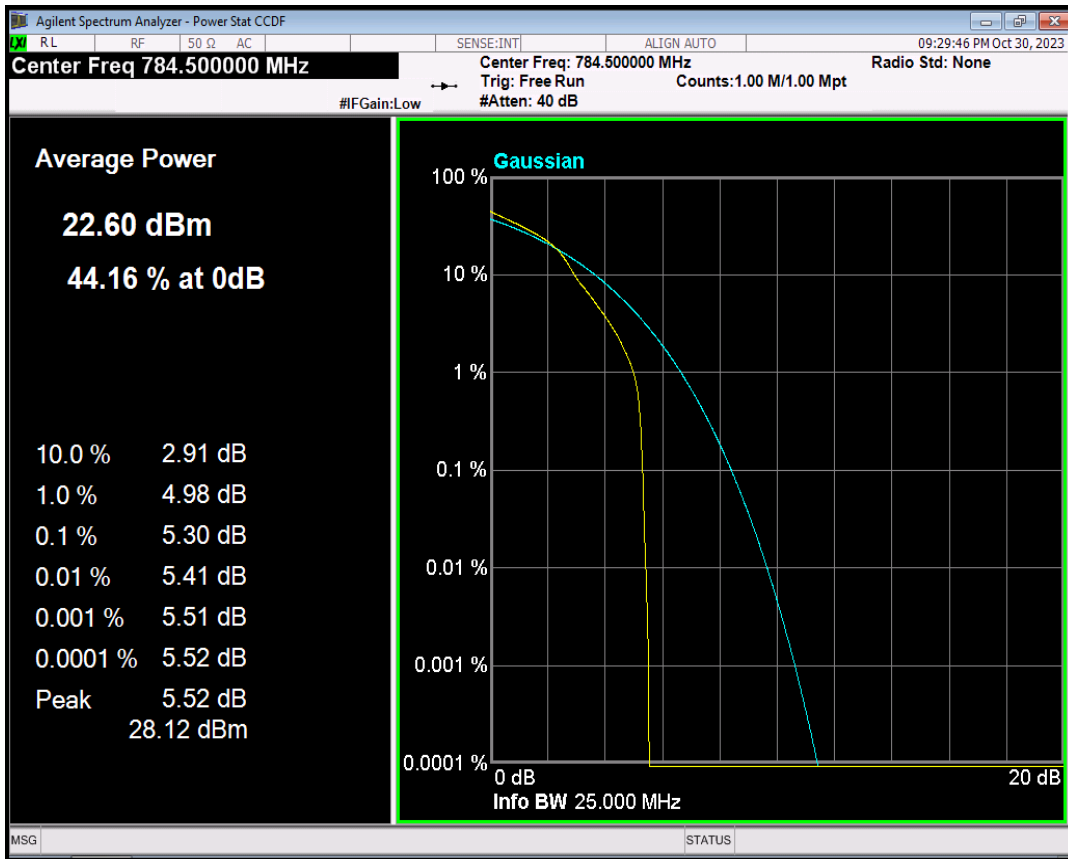
Band13 16QAM BW=5MHz Channel=23230 RB Size=1 Position=#0



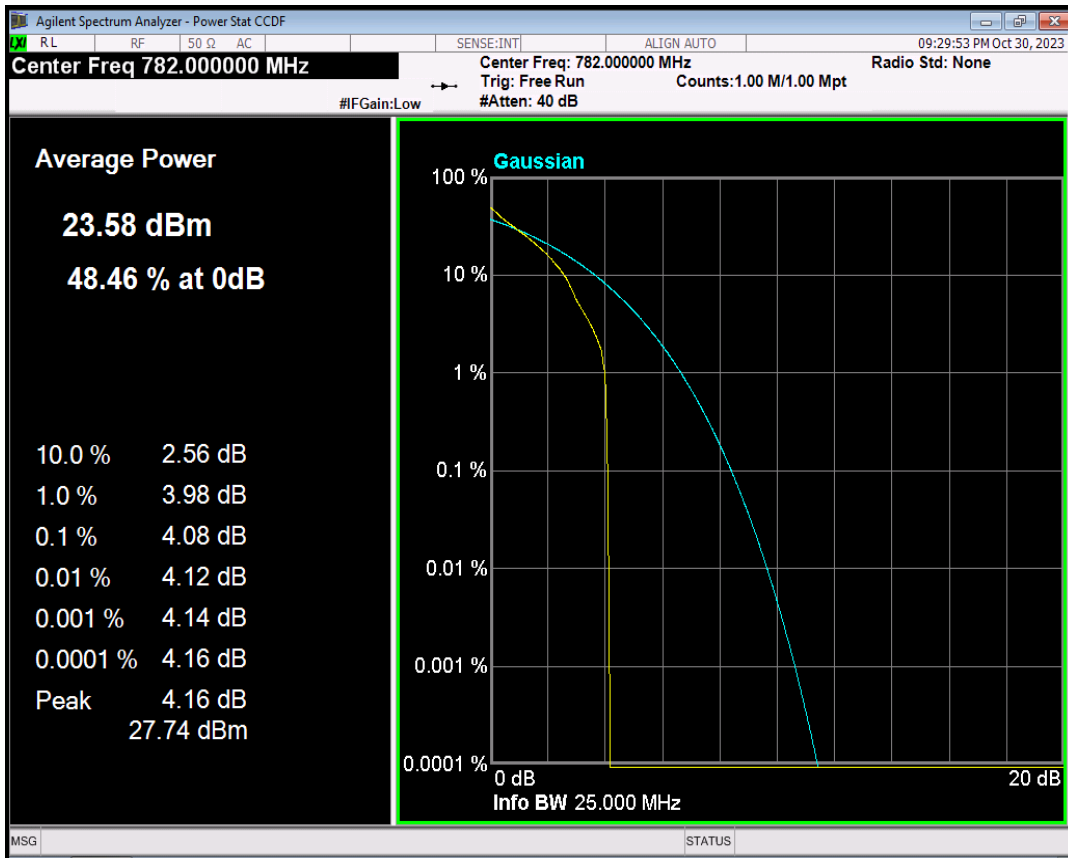
Band13 QPSK BW=5MHz Channel=23255 RB Size=1 Position=#0



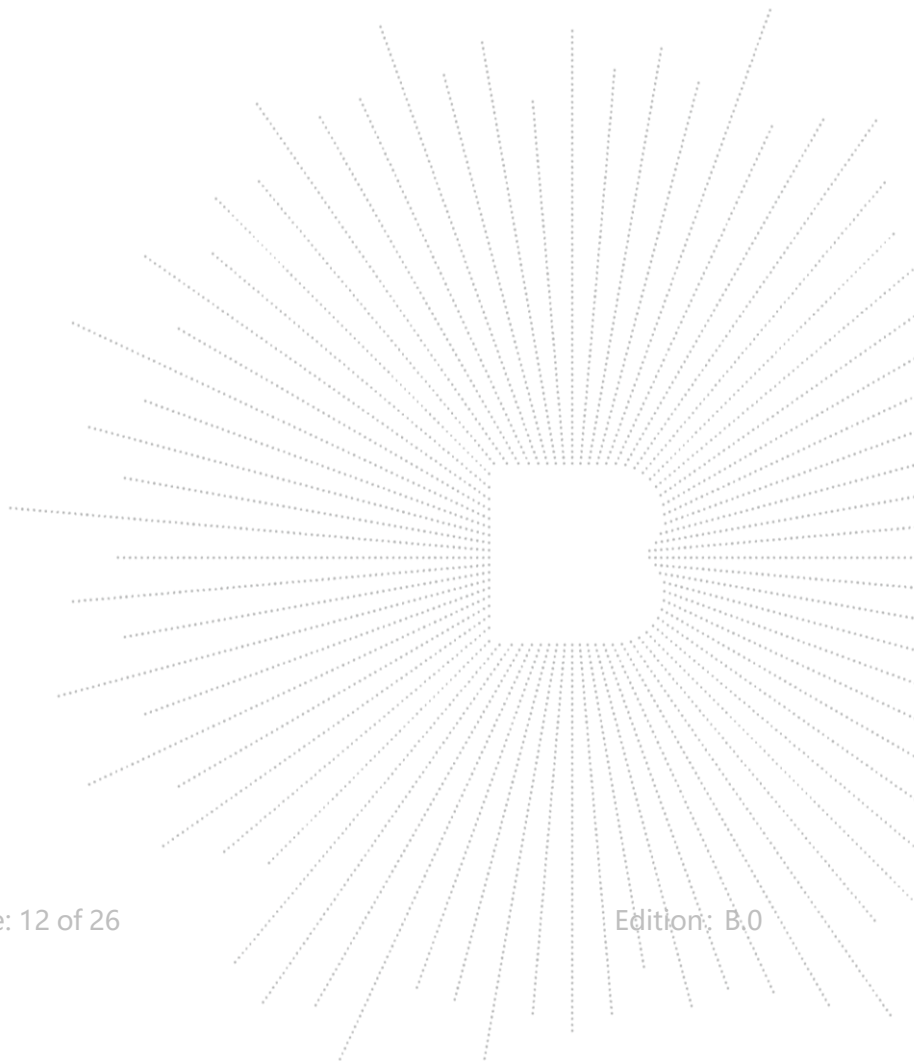
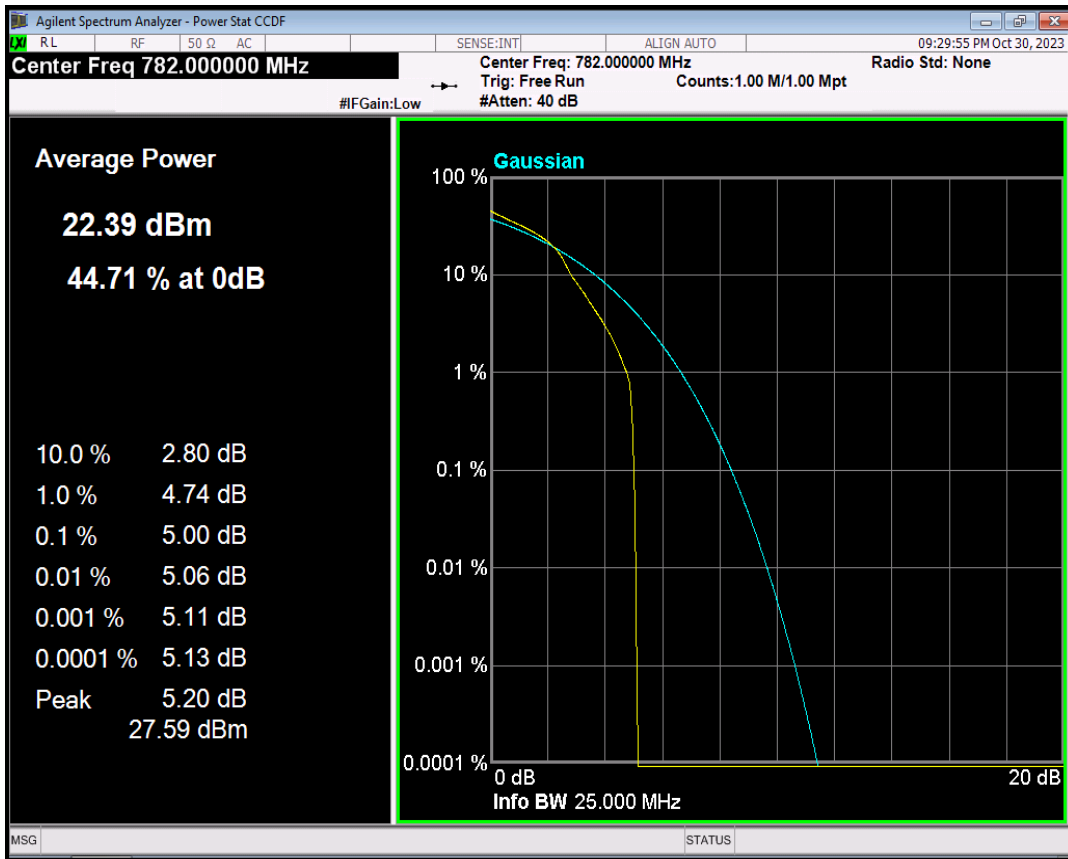
Band13 16QAM BW=5MHz Channel=23255 RB Size=1 Position=#0



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



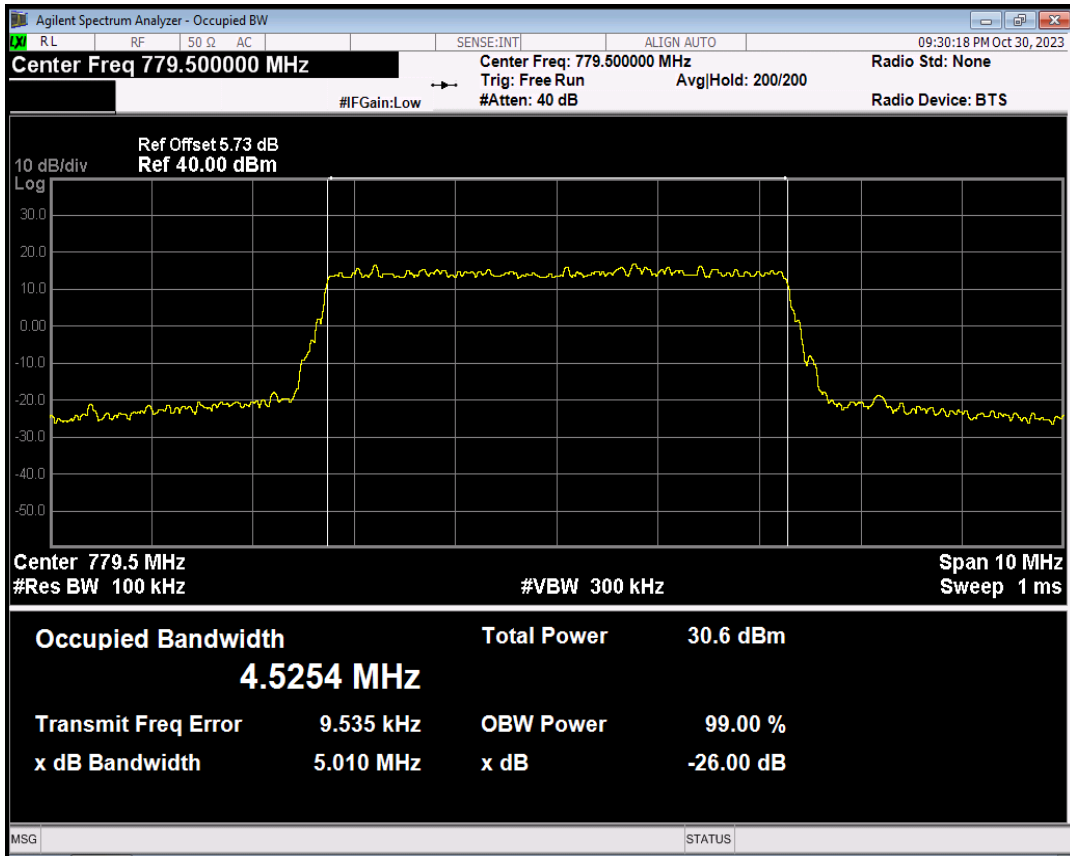
Band13 16QAM BW=10MHz Channel=23230 RB Size=1 Position=#0



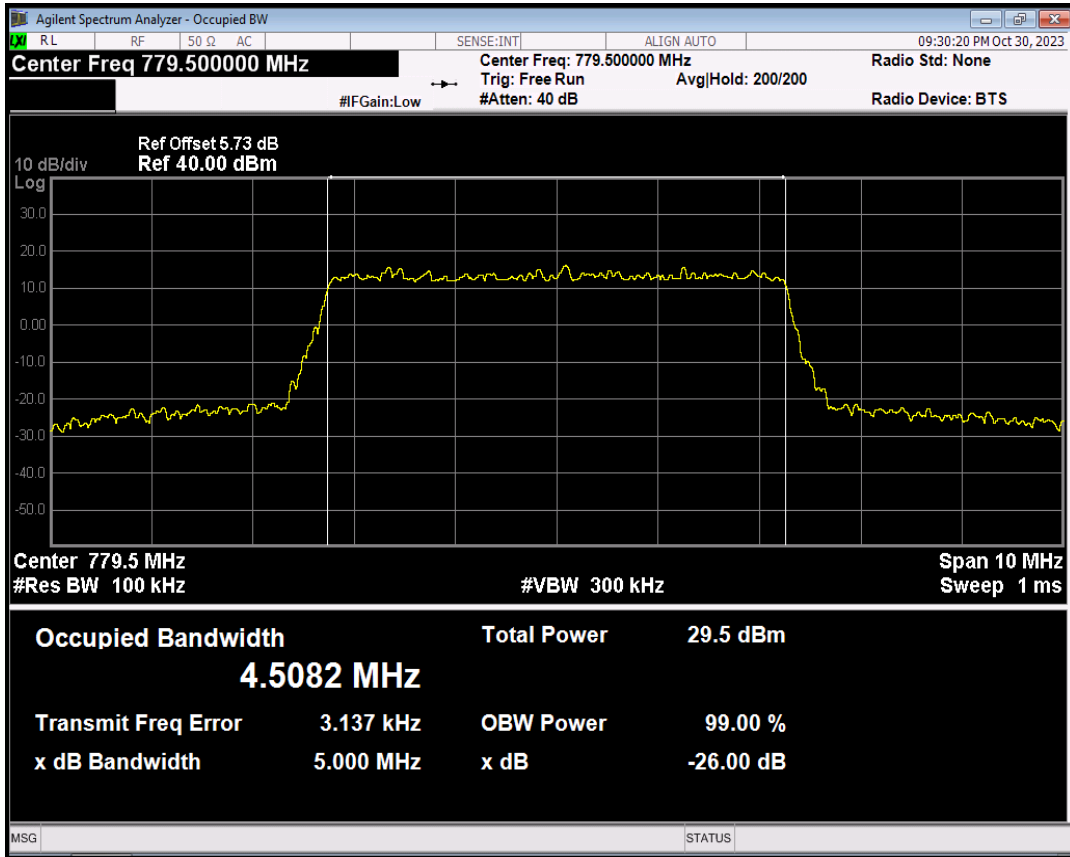
**Appendix 4. Occupied bandwidth**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.525	5.010	PASS
Band13	5	23205	25	#0	16QAM	4.508	5.000	PASS
Band13	5	23230	25	#0	QPSK	4.520	4.982	PASS
Band13	5	23230	25	#0	16QAM	4.517	4.977	PASS
Band13	5	23255	25	#0	QPSK	4.499	4.932	PASS
Band13	5	23255	25	#0	16QAM	4.498	4.926	PASS
Band13	10	23230	50	#0	QPSK	8.969	9.720	PASS
Band13	10	23230	50	#0	16QAM	8.947	9.644	PASS

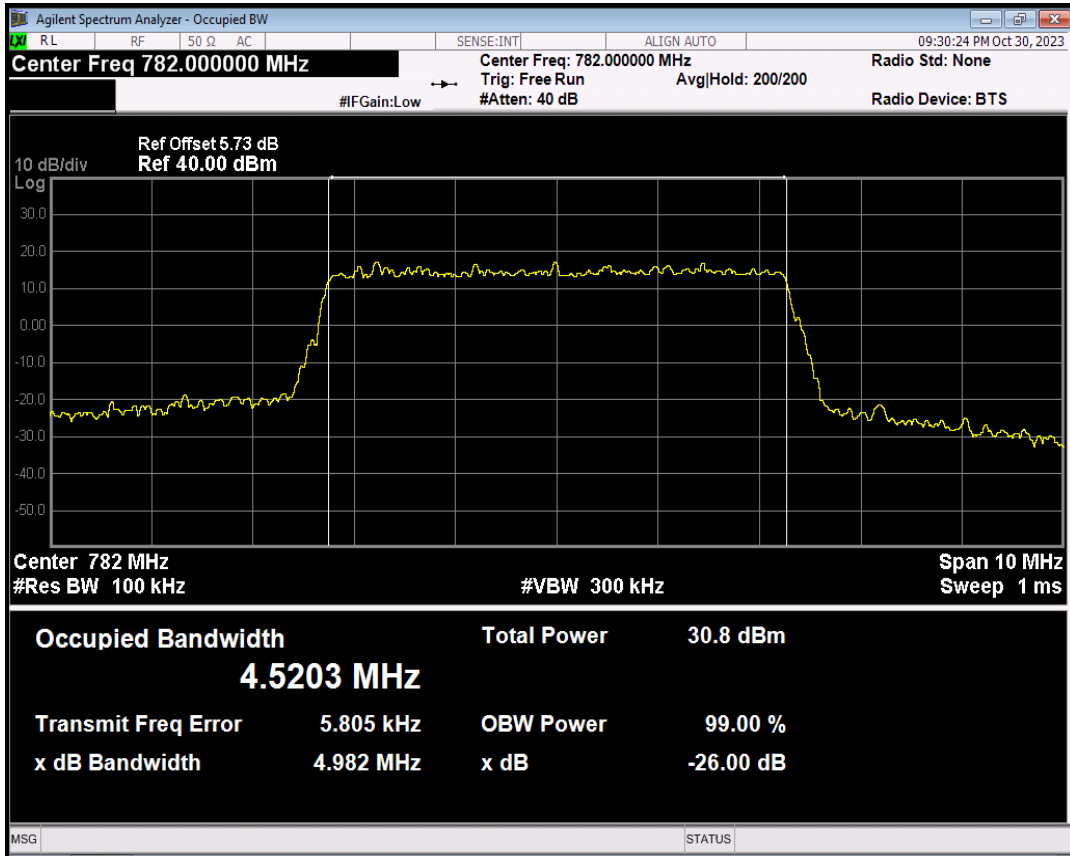
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0

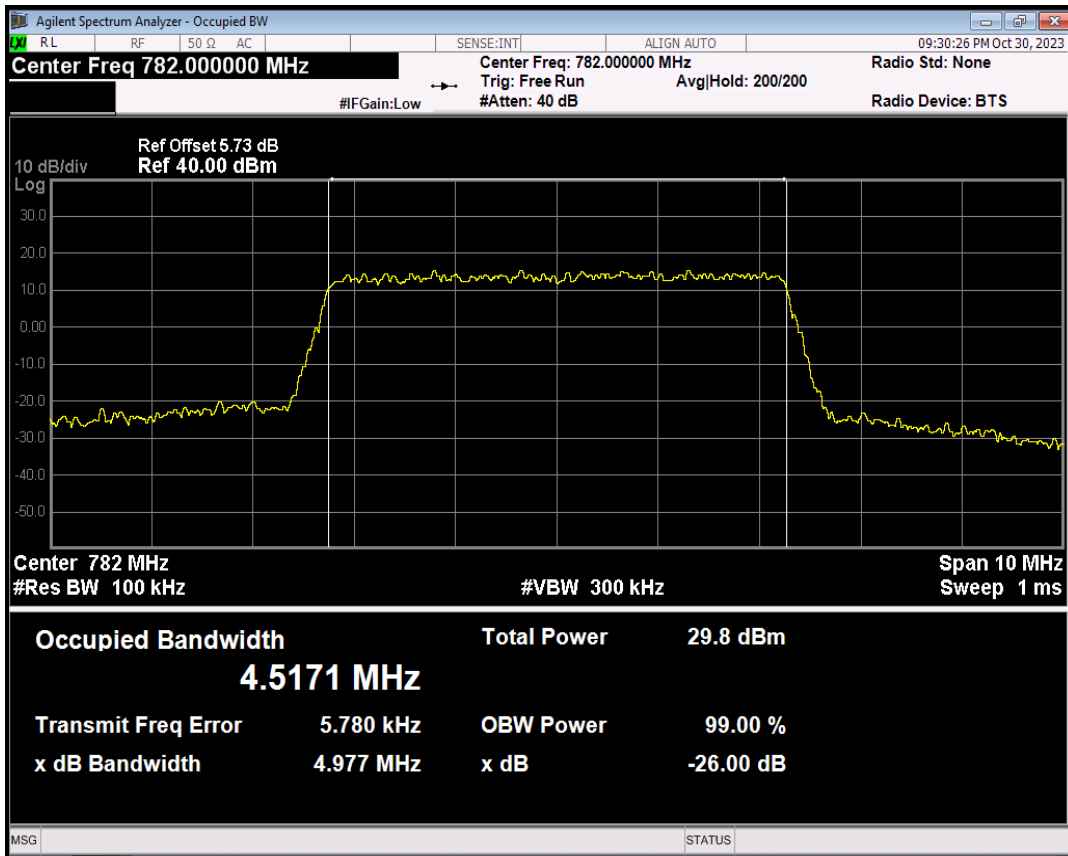


Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0

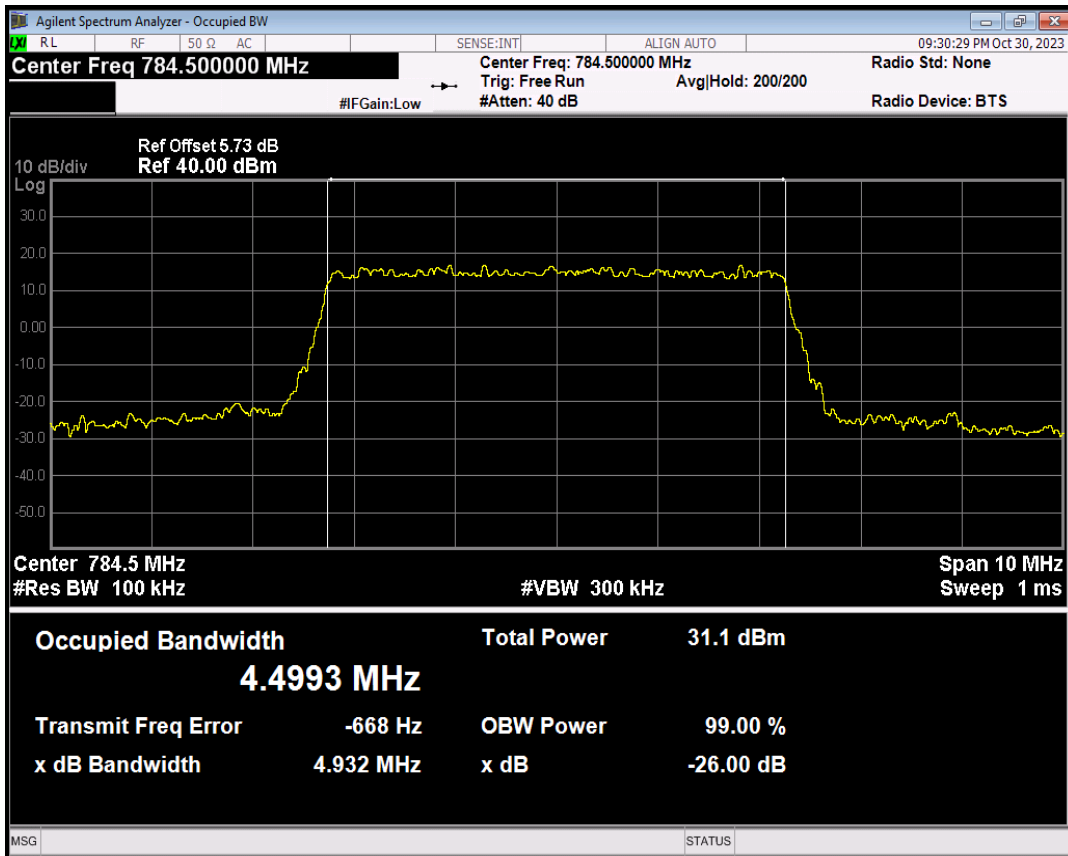




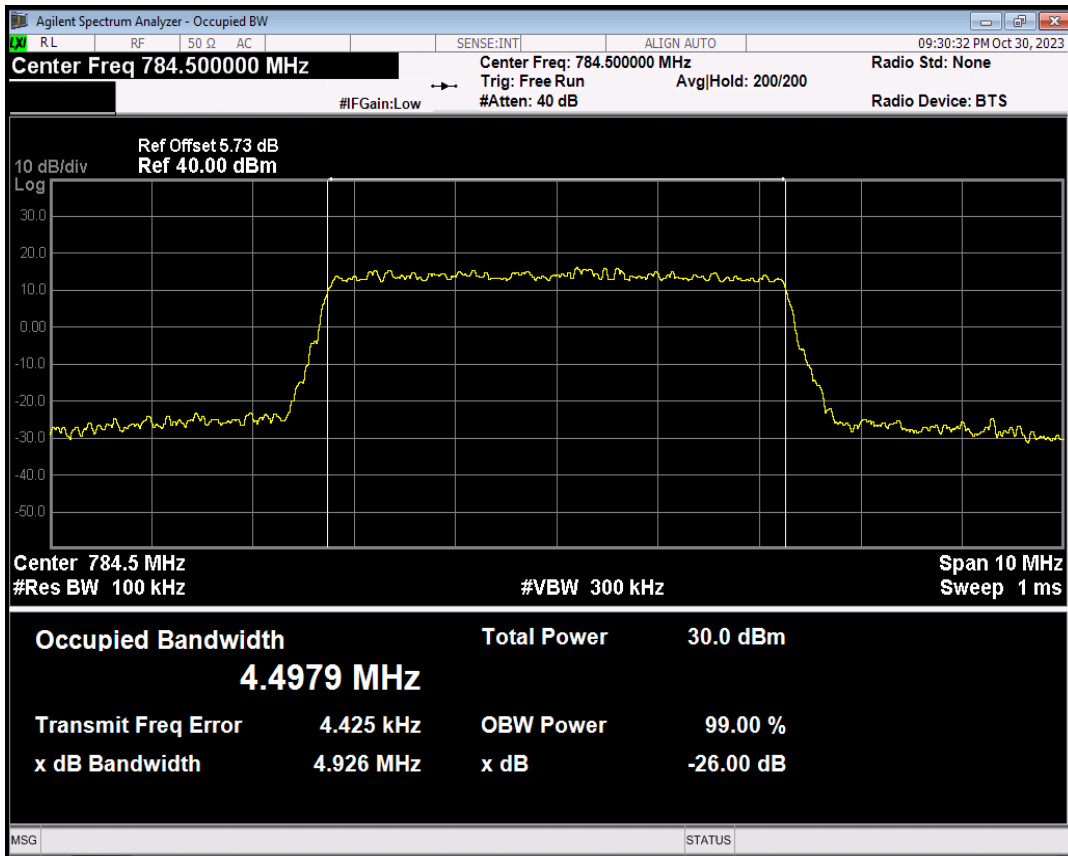
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



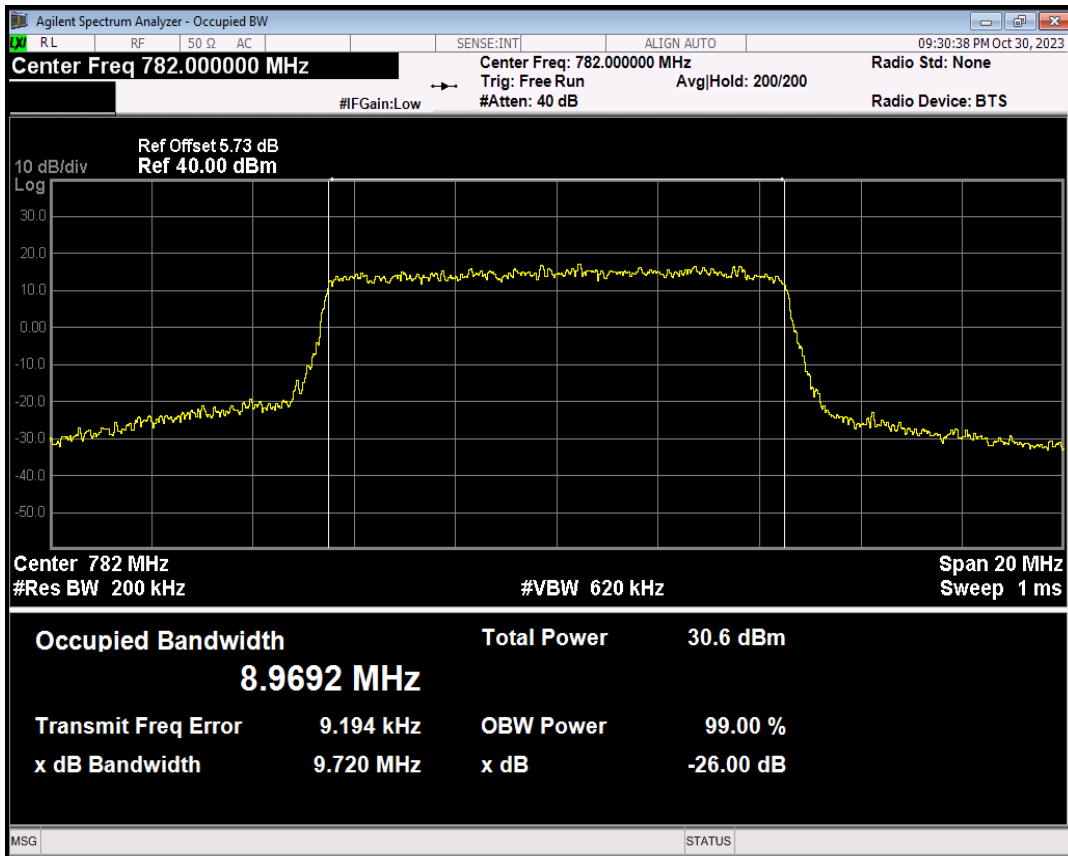
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



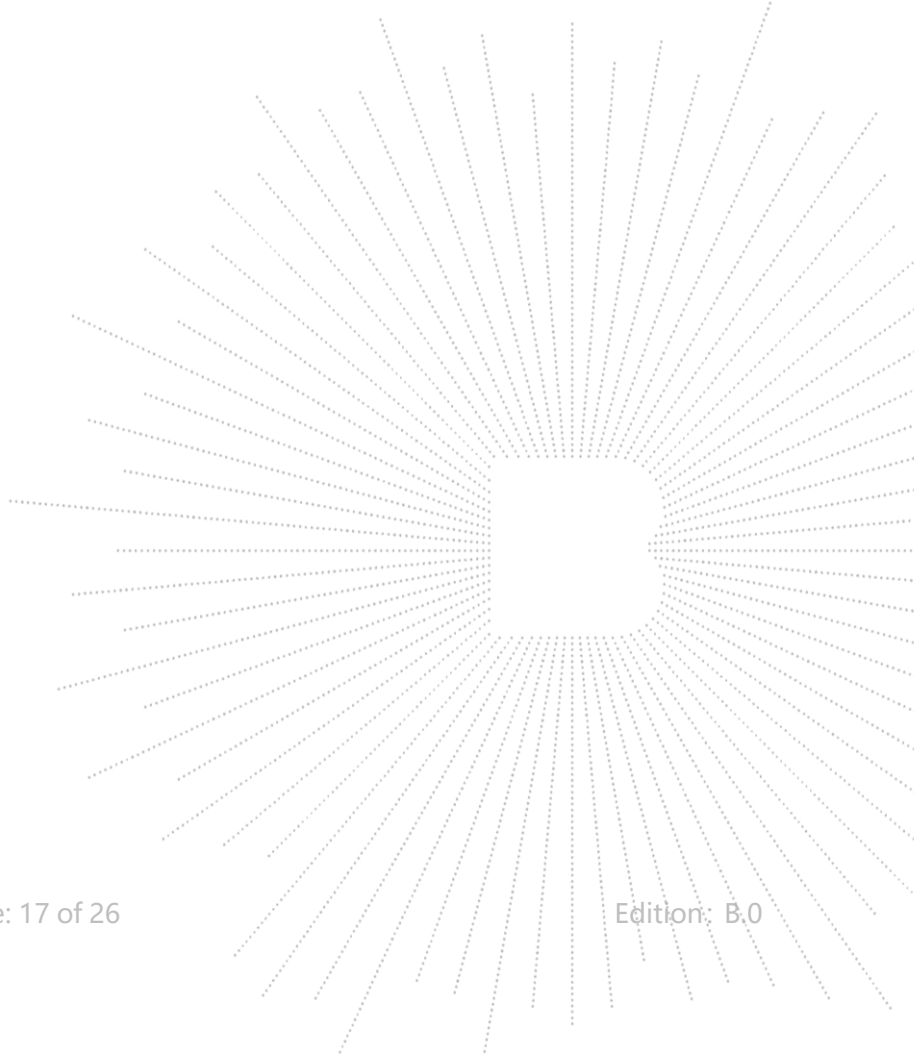
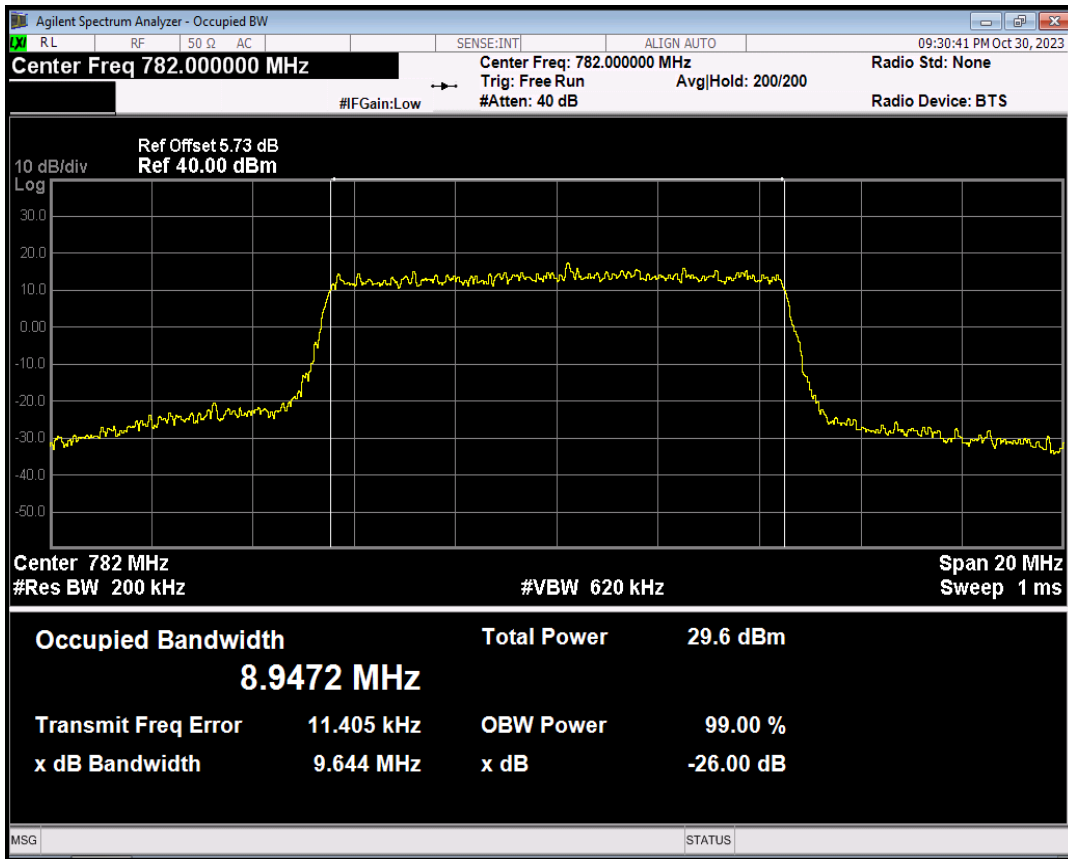
Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



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



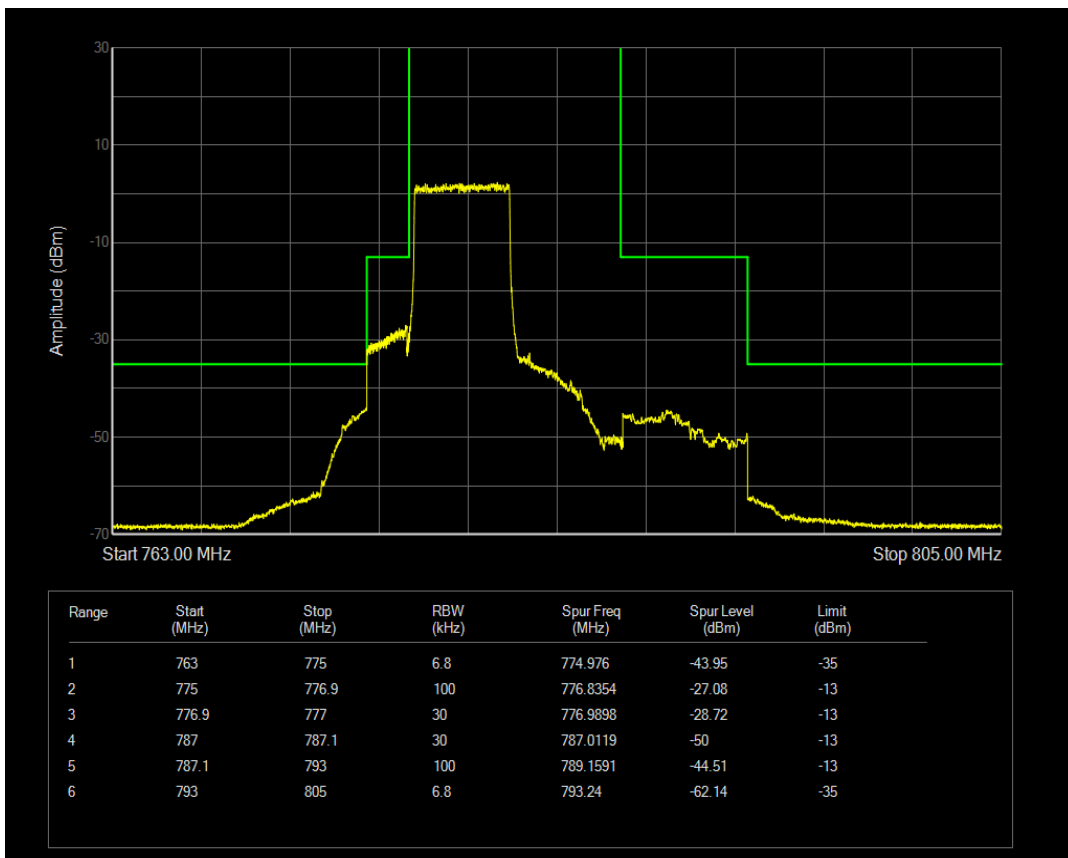
Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



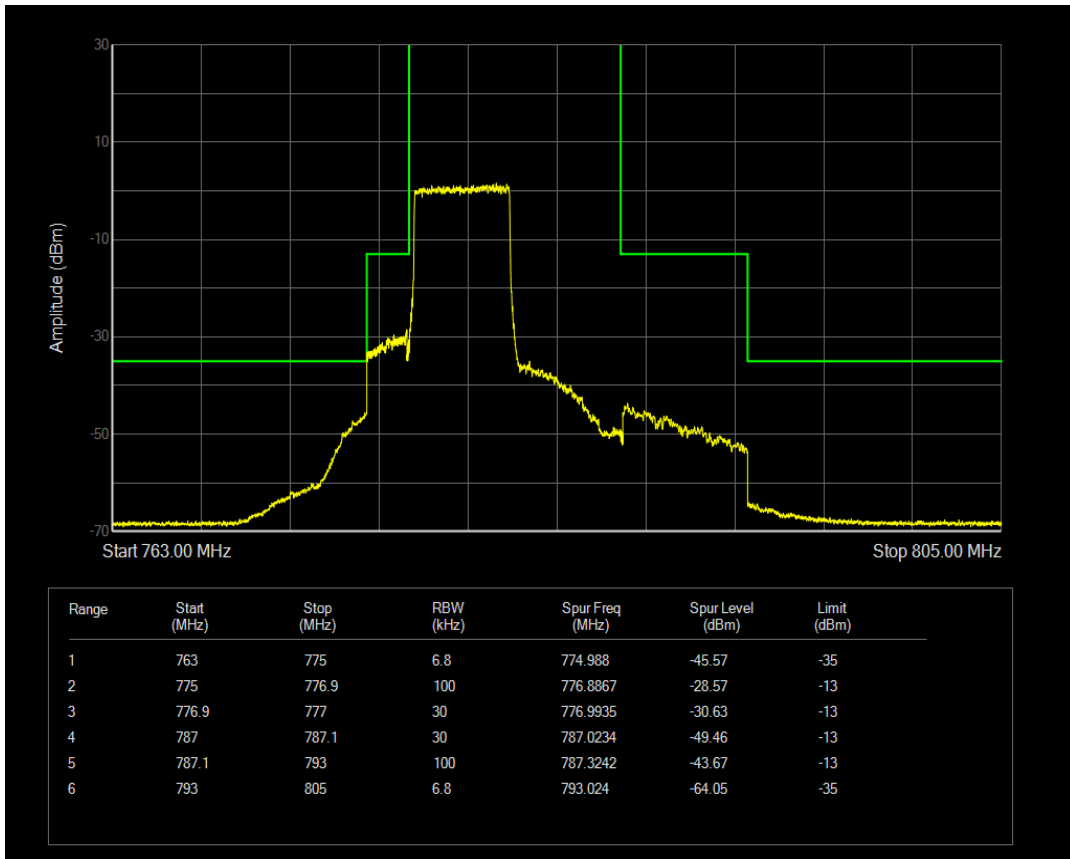
### Appendix 5. Band edge

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	774.98	-43.95	-35	PASS
Band13	5	23205	25	#0	16QAM	774.99	-45.57	-35	PASS
Band13	5	23255	25	#0	QPSK	787.11	-28.65	-13	PASS
Band13	5	23255	25	#0	16QAM	787.00	-30.78	-13	PASS
Band13	10	23230	50	#0	QPSK	774.94	-45.64	-35	PASS
Band13	10	23230	50	#0	16QAM	774.77	-47.12	-35	PASS

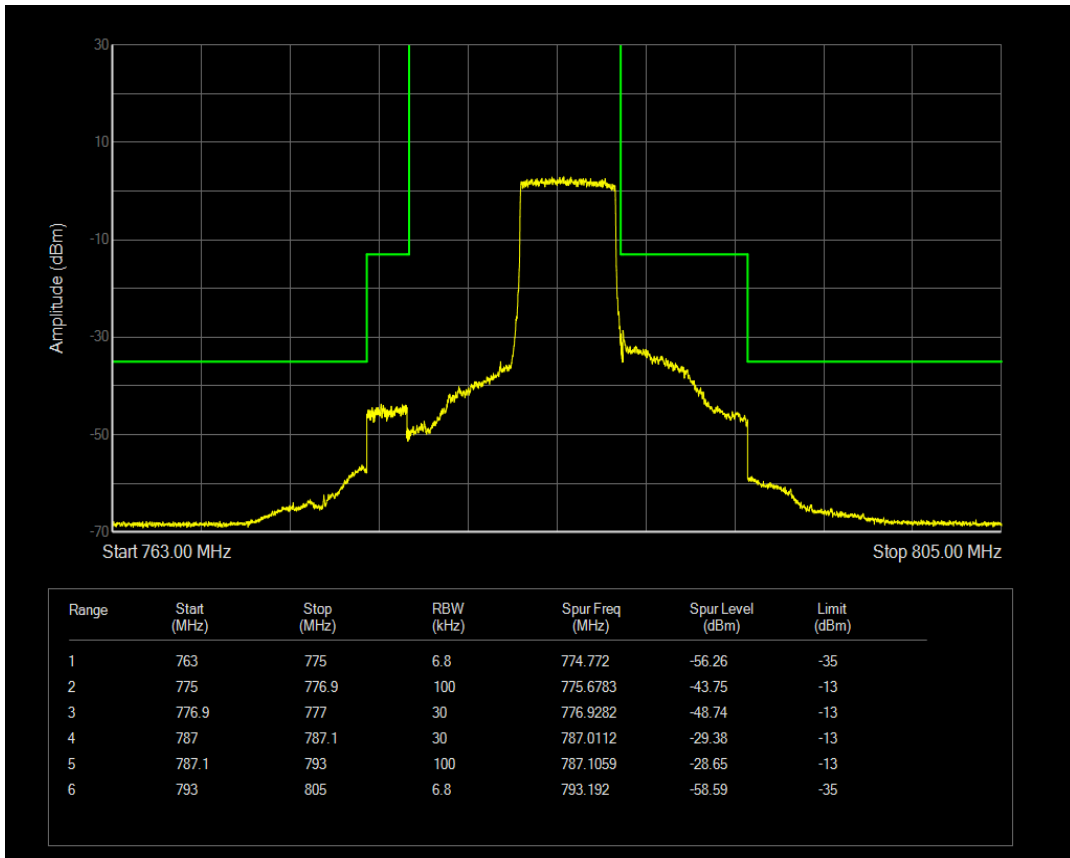
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



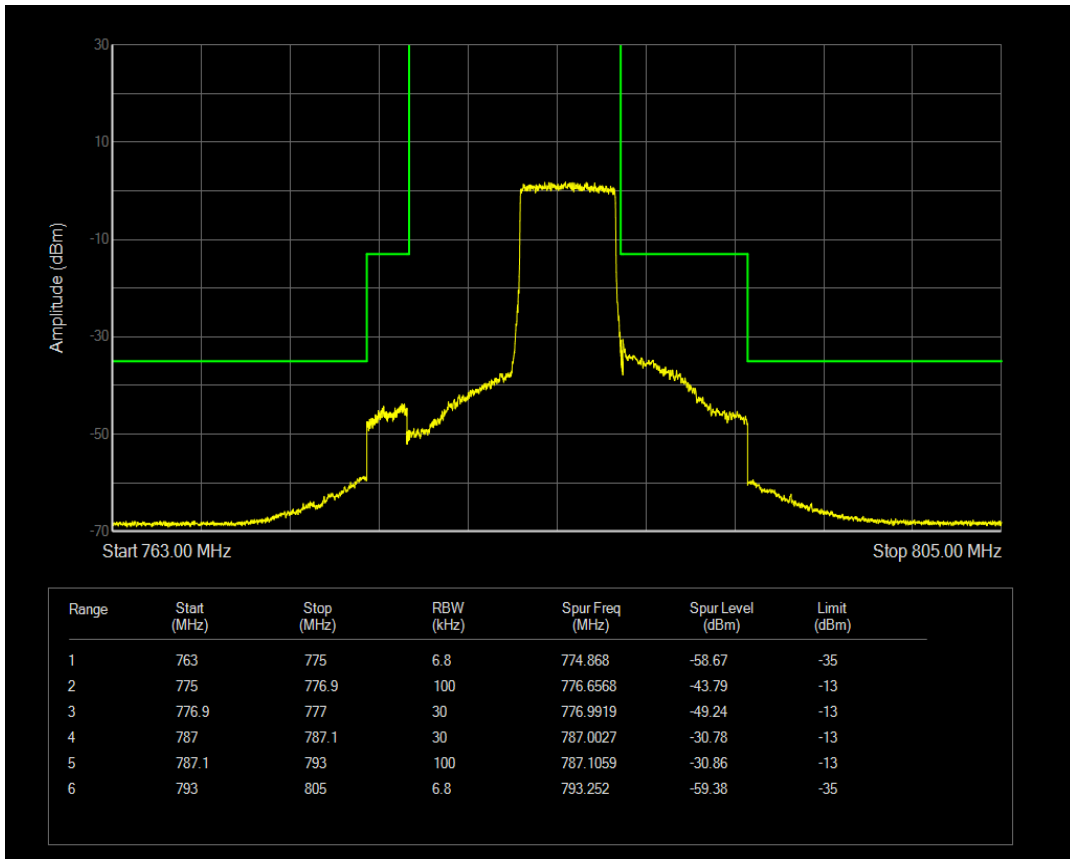
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



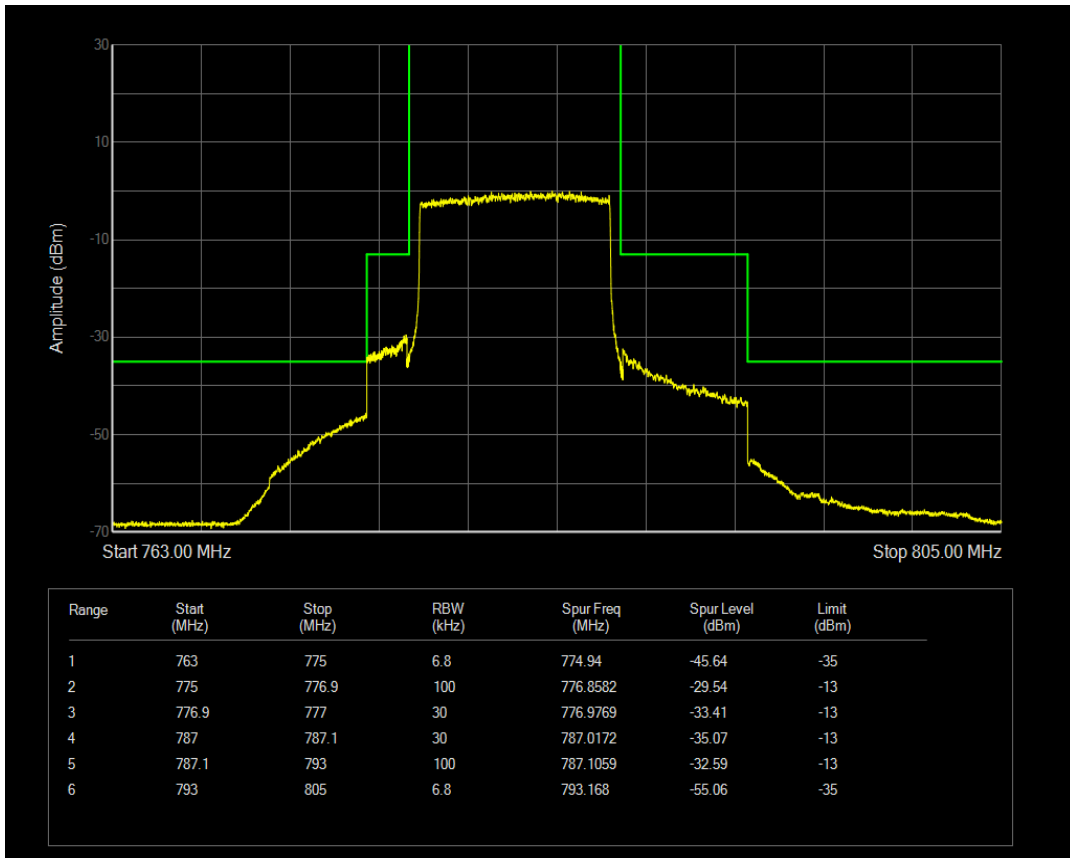
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0

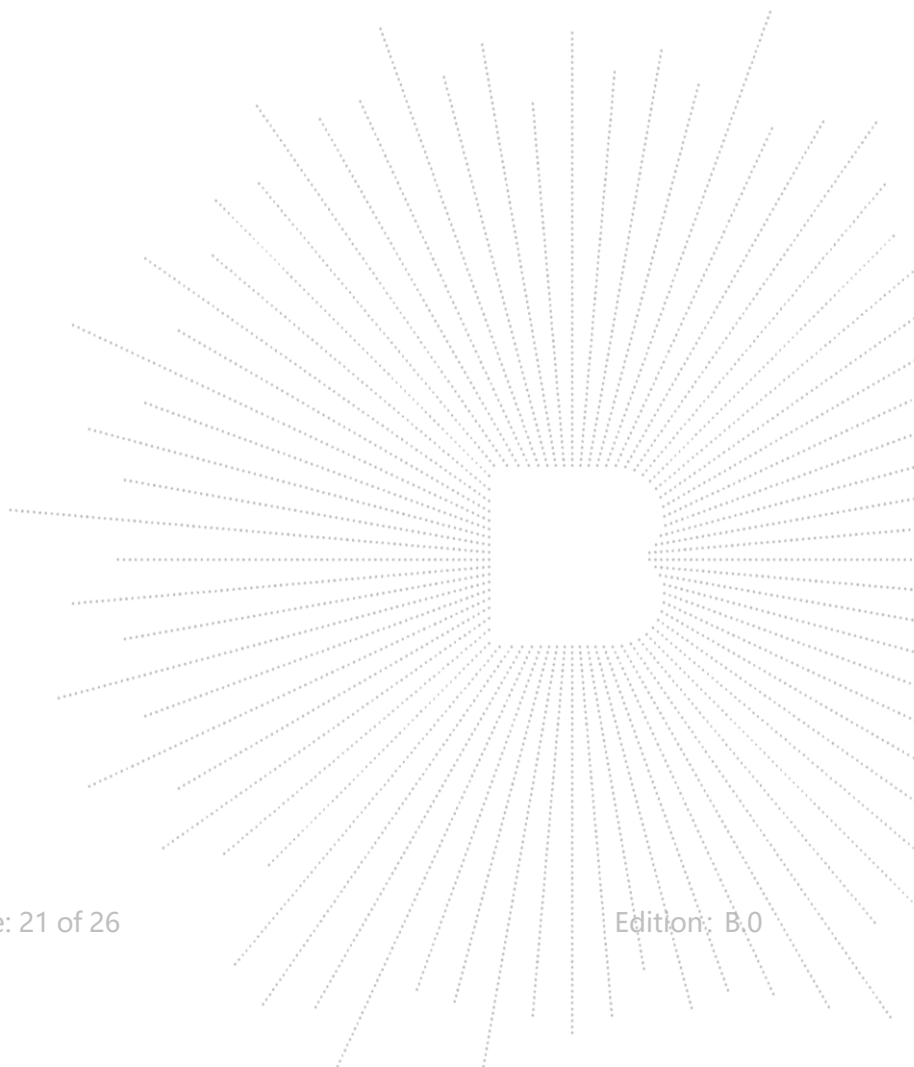
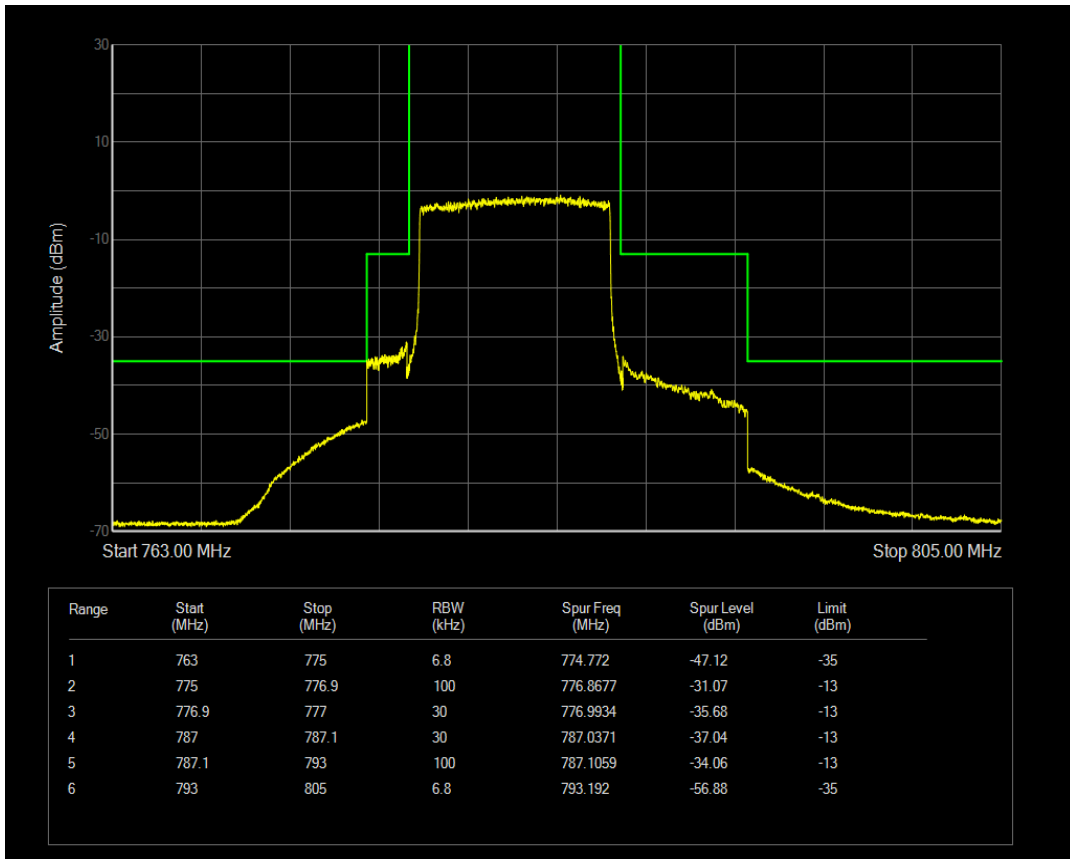


Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0





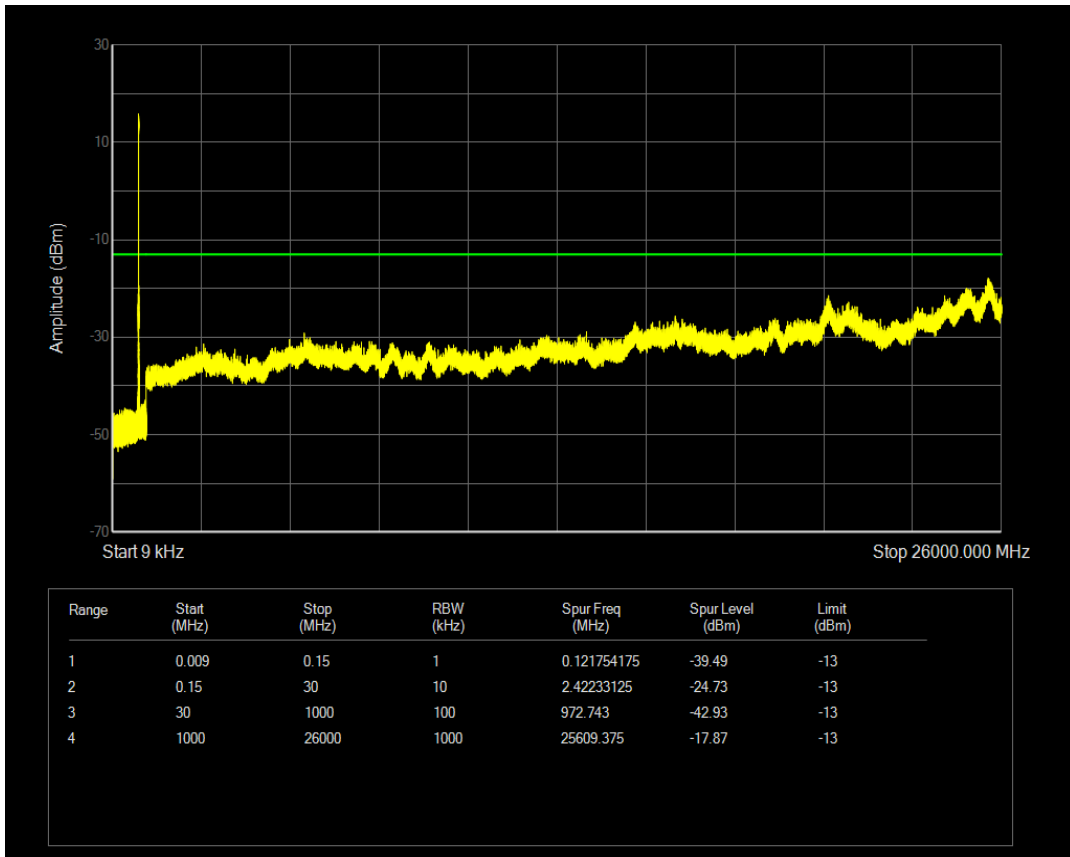
Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



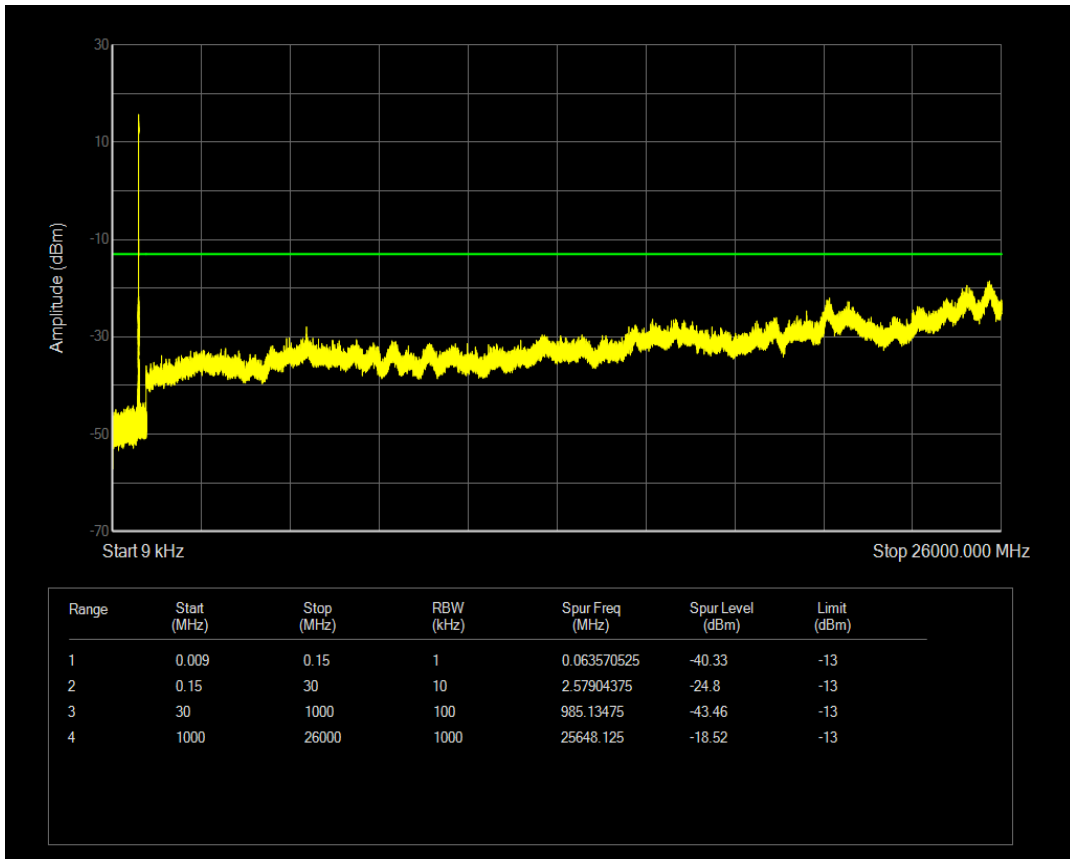
**Appendix 6. Out-of-band emissions**

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	25609.38	-17.87	-13	PASS
Band13	5	23205	25	#0	16QAM	25648.13	-18.52	-13	PASS
Band13	5	23230	25	#0	QPSK	25626.88	-18.08	-13	PASS
Band13	5	23230	25	#0	16QAM	25638.75	-18.55	-13	PASS
Band13	5	23255	25	#0	QPSK	25620.63	-18.49	-13	PASS
Band13	5	23255	25	#0	16QAM	25636.25	-17.54	-13	PASS
Band13	10	23230	50	#0	QPSK	25576.88	-18.57	-13	PASS
Band13	10	23230	50	#0	16QAM	25658.13	-18.53	-13	PASS

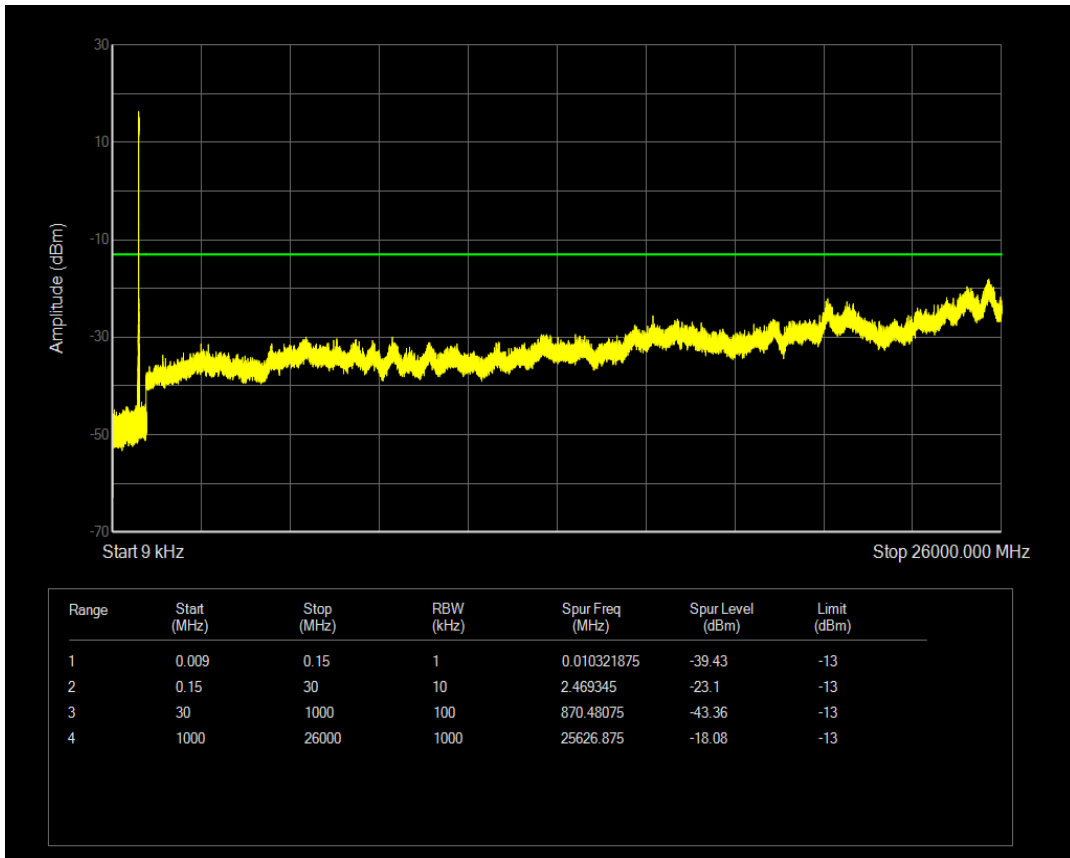
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



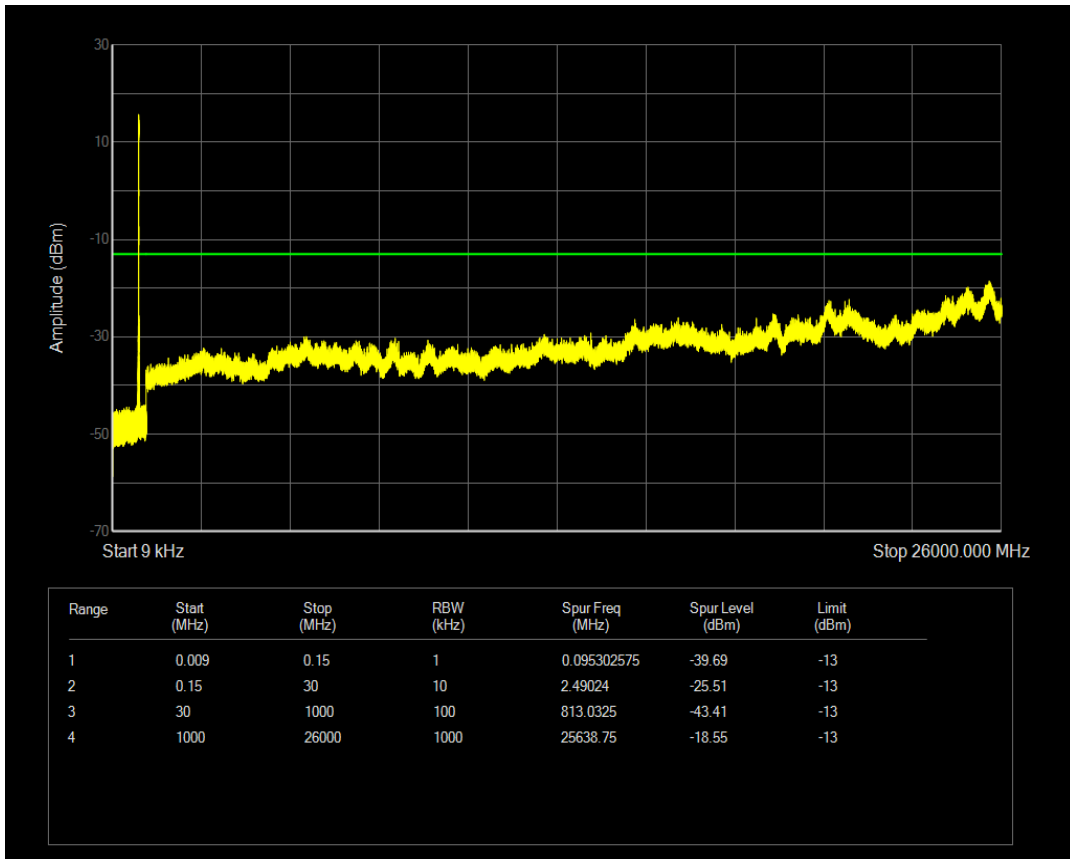
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



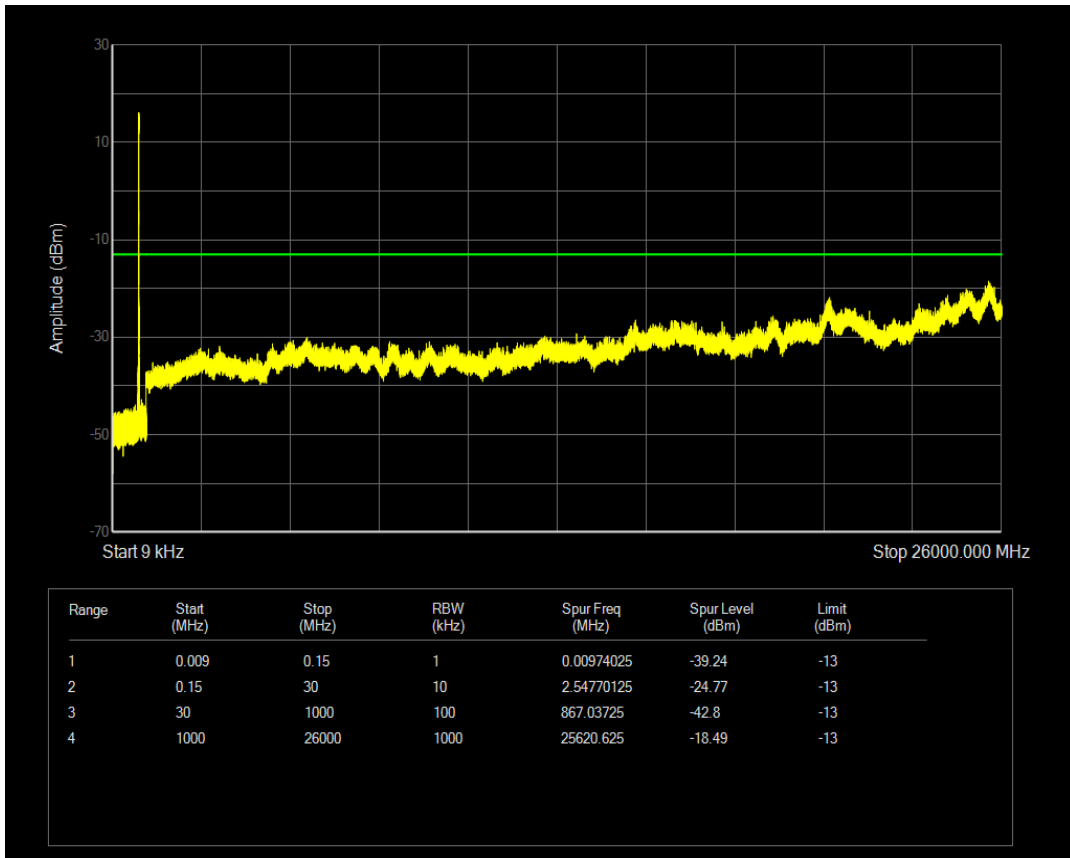
Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



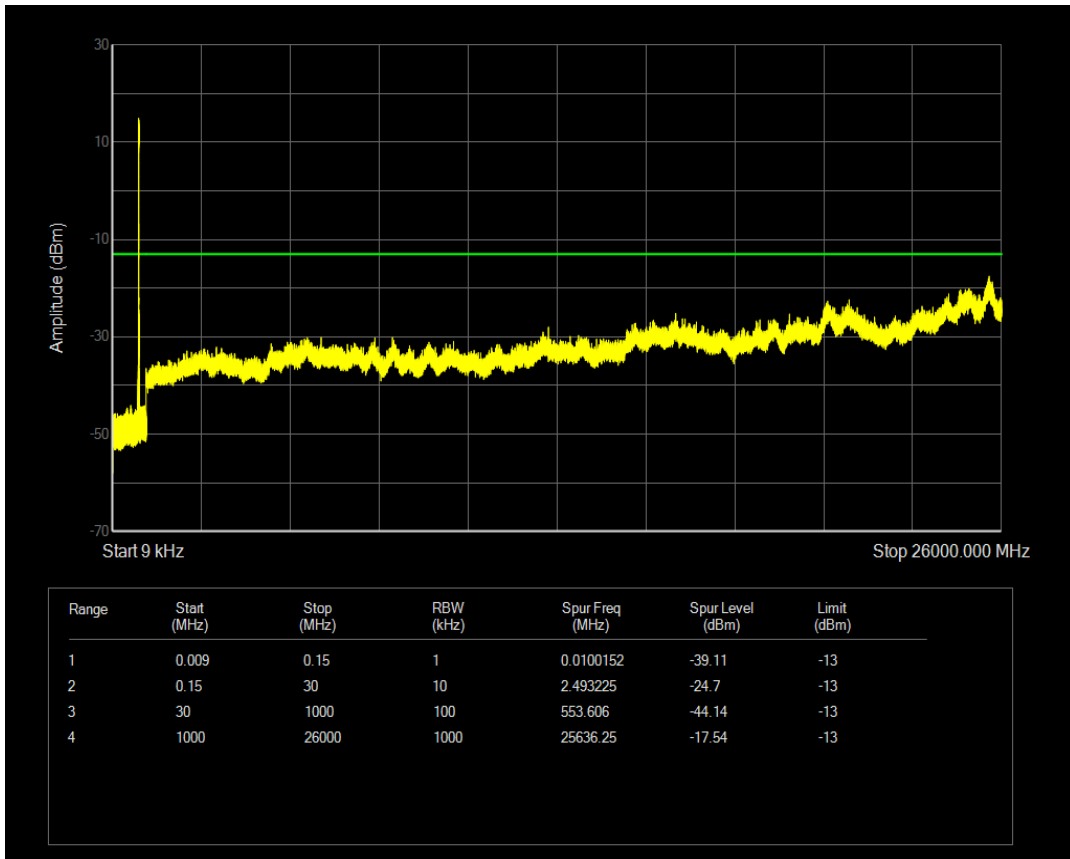
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



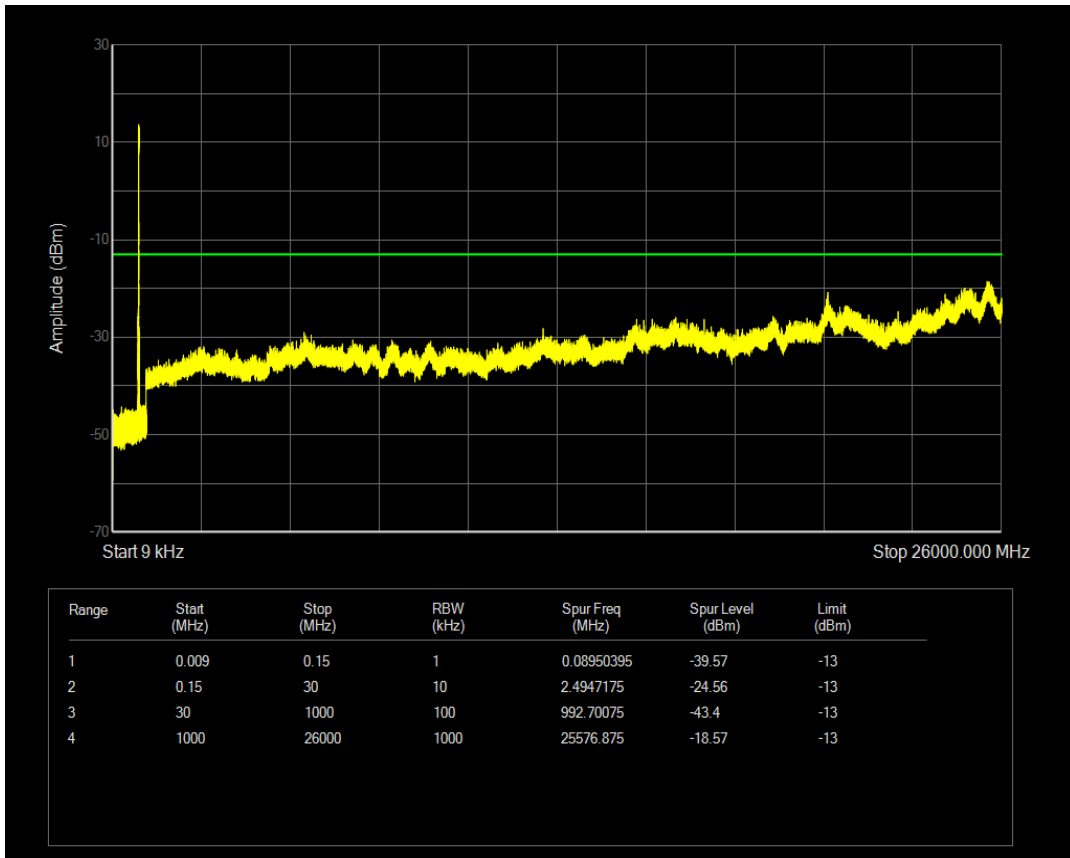
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



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



Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0

