

FCC ID: 2A4AS-2407A

Appendix for Band 13

Report No.: BCTC2408940416-5E

Applicant: EZTECH DIGITAL INC.

Product Name: IP Camera

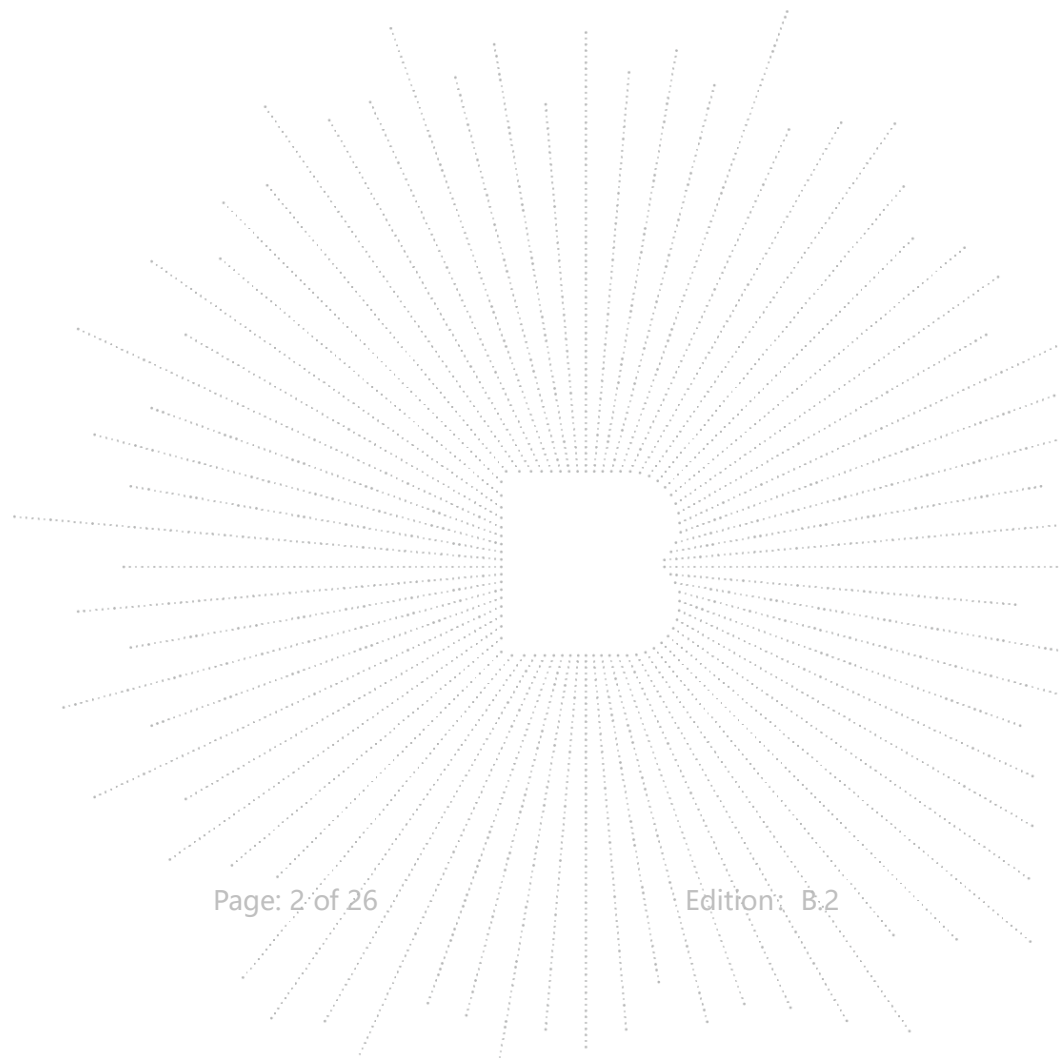
Test Model: Talon Pro

Tested Date: 2024-08-14 to 2024-11-26

Shenzhen BCTC Testing Co., Ltd.

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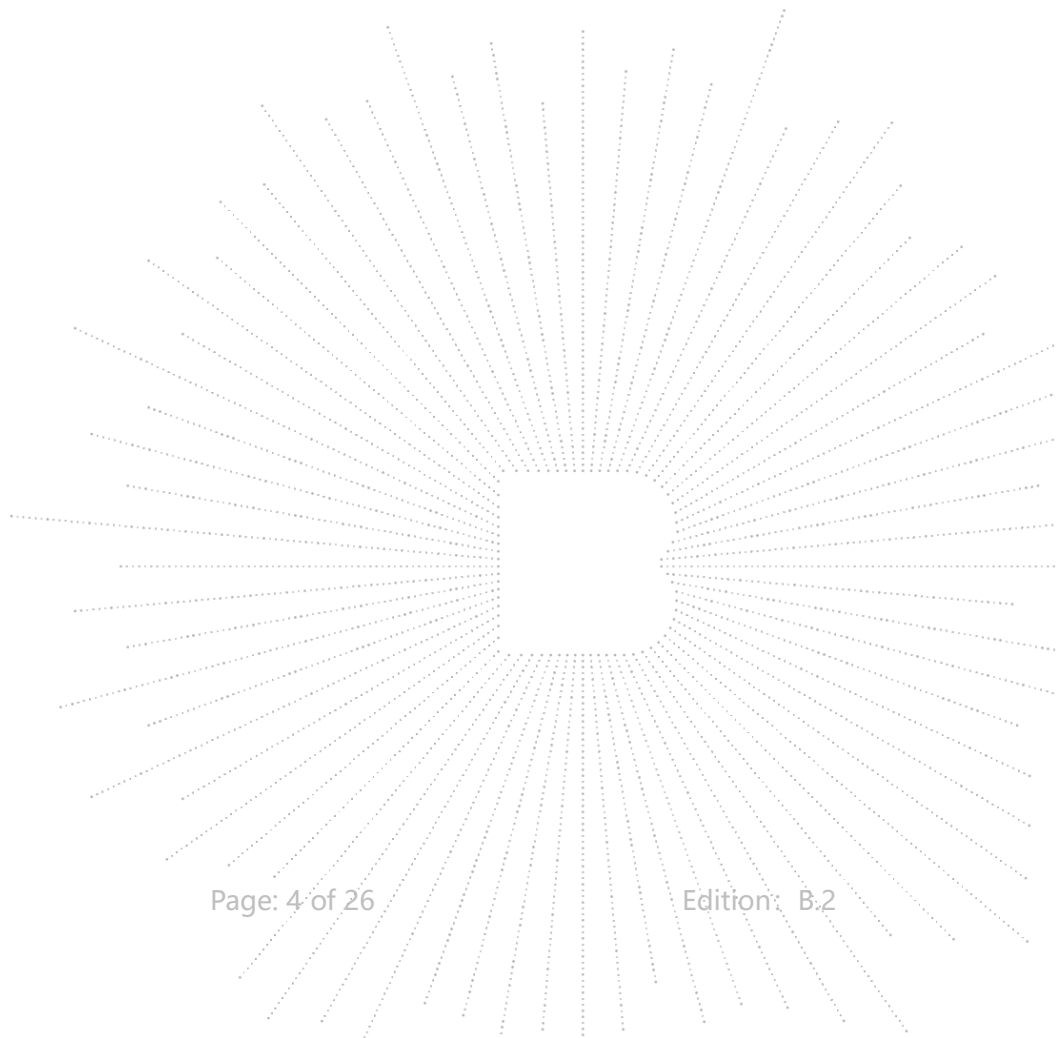
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Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band13	5	23205	1	#0	QPSK	23.14	-1.92	19.07	PASS
Band13	5	23205	1	#Mid	QPSK	23.19	-1.92	19.12	PASS
Band13	5	23205	1	#Max	QPSK	23.24	-1.92	19.17	PASS
Band13	5	23205	12	#0	QPSK	22.15	-1.92	18.08	PASS
Band13	5	23205	12	#Mid	QPSK	22.12	-1.92	18.05	PASS
Band13	5	23205	12	#Max	QPSK	22.05	-1.92	17.98	PASS
Band13	5	23205	25	#0	QPSK	22.10	-1.92	18.03	PASS
Band13	5	23205	1	#0	16QAM	22.24	-1.92	18.17	PASS
Band13	5	23205	1	#Mid	16QAM	22.27	-1.92	18.20	PASS
Band13	5	23205	1	#Max	16QAM	22.19	-1.92	18.12	PASS
Band13	5	23205	12	#0	16QAM	21.01	-1.92	16.94	PASS
Band13	5	23205	12	#Mid	16QAM	21.02	-1.92	16.95	PASS
Band13	5	23205	12	#Max	16QAM	21.04	-1.92	16.97	PASS
Band13	5	23205	25	#0	16QAM	21.00	-1.92	16.93	PASS
Band13	5	23230	1	#0	QPSK	23.10	-1.92	19.03	PASS
Band13	5	23230	1	#Mid	QPSK	23.13	-1.92	19.06	PASS
Band13	5	23230	1	#Max	QPSK	23.07	-1.92	19.00	PASS
Band13	5	23230	12	#0	QPSK	22.12	-1.92	18.05	PASS
Band13	5	23230	12	#Mid	QPSK	22.06	-1.92	17.99	PASS
Band13	5	23230	12	#Max	QPSK	22.08	-1.92	18.01	PASS
Band13	5	23230	25	#0	QPSK	22.04	-1.92	17.97	PASS
Band13	5	23230	1	#0	16QAM	22.26	-1.92	18.19	PASS
Band13	5	23230	1	#Mid	16QAM	22.11	-1.92	18.04	PASS
Band13	5	23230	1	#Max	16QAM	22.09	-1.92	18.02	PASS
Band13	5	23230	12	#0	16QAM	20.98	-1.92	16.91	PASS
Band13	5	23230	12	#Mid	16QAM	20.95	-1.92	16.88	PASS
Band13	5	23230	12	#Max	16QAM	21.06	-1.92	16.99	PASS
Band13	5	23230	25	#0	16QAM	21.07	-1.92	17.00	PASS
Band13	5	23255	1	#0	QPSK	22.91	-1.92	18.84	PASS
Band13	5	23255	1	#Mid	QPSK	22.79	-1.92	18.72	PASS
Band13	5	23255	1	#Max	QPSK	22.96	-1.92	18.89	PASS
Band13	5	23255	12	#0	QPSK	22.16	-1.92	18.09	PASS
Band13	5	23255	12	#Mid	QPSK	22.20	-1.92	18.13	PASS
Band13	5	23255	12	#Max	QPSK	22.19	-1.92	18.12	PASS
Band13	5	23255	25	#0	QPSK	22.15	-1.92	18.08	PASS
Band13	5	23255	1	#0	16QAM	22.06	-1.92	17.99	PASS

Band13	5	23255	1	#Mid	16QAM	22.08	-1.92	18.01	PASS
Band13	5	23255	1	#Max	16QAM	22.12	-1.92	18.05	PASS
Band13	5	23255	12	#0	16QAM	20.88	-1.92	16.81	PASS
Band13	5	23255	12	#Mid	16QAM	20.94	-1.92	16.87	PASS
Band13	5	23255	12	#Max	16QAM	20.92	-1.92	16.85	PASS
Band13	5	23255	25	#0	16QAM	21.10	-1.92	17.03	PASS
Band13	10	23230	1	#0	QPSK	23.07	-1.92	19.00	PASS
Band13	10	23230	1	#Mid	QPSK	23.07	-1.92	19.00	PASS
Band13	10	23230	1	#Max	QPSK	23.12	-1.92	19.05	PASS
Band13	10	23230	25	#0	QPSK	22.23	-1.92	18.16	PASS
Band13	10	23230	25	#Mid	QPSK	22.15	-1.92	18.08	PASS
Band13	10	23230	25	#Max	QPSK	22.12	-1.92	18.05	PASS
Band13	10	23230	50	#0	QPSK	22.15	-1.92	18.08	PASS
Band13	10	23230	1	#0	16QAM	22.55	-1.92	18.48	PASS
Band13	10	23230	1	#Mid	16QAM	22.47	-1.92	18.40	PASS
Band13	10	23230	1	#Max	16QAM	22.52	-1.92	18.45	PASS
Band13	10	23230	25	#0	16QAM	21.01	-1.92	16.94	PASS
Band13	10	23230	25	#Mid	16QAM	20.94	-1.92	16.87	PASS
Band13	10	23230	25	#Max	16QAM	21.00	-1.92	16.93	PASS
Band13	10	23230	50	#0	16QAM	21.02	-1.92	16.95	PASS



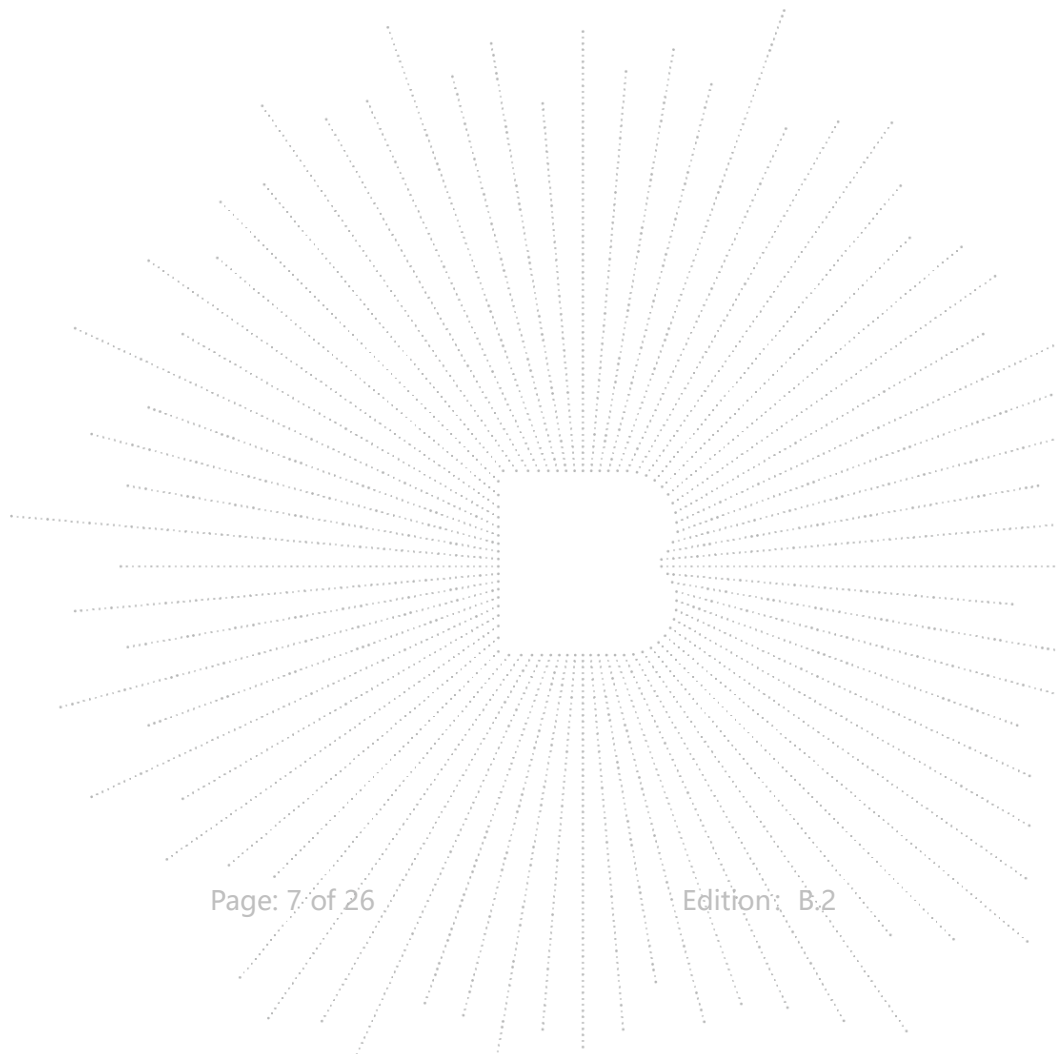
Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band13	5	23205	25	#0	QPSK	LV	NT	-1.30	-0.002	PASS
Band13	5	23205	25	#0	QPSK	NV	NT	-2.39	-0.003	PASS
Band13	5	23205	25	#0	QPSK	HV	NT	-2.12	-0.003	PASS
Band13	5	23205	25	#0	16QAM	LV	NT	-2.78	-0.004	PASS
Band13	5	23205	25	#0	16QAM	NV	NT	-2.22	-0.003	PASS
Band13	5	23205	25	#0	16QAM	HV	NT	-1.97	-0.003	PASS
Band13	5	23230	25	#0	QPSK	LV	NT	-0.80	-0.001	PASS
Band13	5	23230	25	#0	QPSK	NV	NT	-2.05	-0.003	PASS
Band13	5	23230	25	#0	QPSK	HV	NT	-1.04	-0.001	PASS
Band13	5	23230	25	#0	16QAM	LV	NT	-0.92	-0.001	PASS
Band13	5	23230	25	#0	16QAM	NV	NT	-1.24	-0.002	PASS
Band13	5	23230	25	#0	16QAM	HV	NT	-1.34	-0.002	PASS
Band13	5	23255	25	#0	QPSK	LV	NT	-1.20	-0.002	PASS
Band13	5	23255	25	#0	QPSK	NV	NT	-1.06	-0.001	PASS
Band13	5	23255	25	#0	QPSK	HV	NT	-1.02	-0.001	PASS
Band13	5	23255	25	#0	16QAM	LV	NT	-1.24	-0.002	PASS
Band13	5	23255	25	#0	16QAM	NV	NT	-0.76	-0.001	PASS
Band13	5	23255	25	#0	16QAM	HV	NT	-1.40	-0.002	PASS
Band13	10	23230	50	#0	QPSK	LV	NT	-1.06	-0.001	PASS
Band13	10	23230	50	#0	QPSK	NV	NT	-1.24	-0.002	PASS
Band13	10	23230	50	#0	QPSK	HV	NT	-1.57	-0.002	PASS
Band13	10	23230	50	#0	16QAM	LV	NT	-1.85	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	NT	-1.70	-0.002	PASS
Band13	10	23230	50	#0	16QAM	HV	NT	-1.47	-0.002	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band13	5	23205	25	#0	QPSK	NV	-30	-0.74	-0.001	PASS
Band13	5	23205	25	#0	QPSK	NV	-20	-0.90	-0.001	PASS
Band13	5	23205	25	#0	QPSK	NV	-10	-1.40	-0.002	PASS
Band13	5	23205	25	#0	QPSK	NV	0	-1.80	-0.002	PASS
Band13	5	23205	25	#0	QPSK	NV	10	-1.85	-0.002	PASS
Band13	5	23205	25	#0	QPSK	NV	20	-2.17	-0.003	PASS
Band13	5	23205	25	#0	QPSK	NV	30	-1.86	-0.002	PASS
Band13	5	23205	25	#0	QPSK	NV	40	-2.72	-0.003	PASS
Band13	5	23205	25	#0	QPSK	NV	50	-1.75	-0.002	PASS
Band13	5	23205	25	#0	16QAM	NV	-30	-2.49	-0.003	PASS
Band13	5	23205	25	#0	16QAM	NV	-20	-1.32	-0.002	PASS

Band13	5	23205	25	#0	16QAM	NV	-10	-1.52	-0.002	PASS
Band13	5	23205	25	#0	16QAM	NV	0	-0.73	-0.001	PASS
Band13	5	23205	25	#0	16QAM	NV	10	-1.82	-0.002	PASS
Band13	5	23205	25	#0	16QAM	NV	20	-2.15	-0.003	PASS
Band13	5	23205	25	#0	16QAM	NV	30	-0.62	-0.001	PASS
Band13	5	23205	25	#0	16QAM	NV	40	-1.33	-0.002	PASS
Band13	5	23205	25	#0	16QAM	NV	50	-1.07	-0.001	PASS
Band13	5	23230	25	#0	QPSK	NV	-30	-1.96	-0.003	PASS
Band13	5	23230	25	#0	QPSK	NV	-20	-0.36	0.000	PASS
Band13	5	23230	25	#0	QPSK	NV	-10	-0.73	-0.001	PASS
Band13	5	23230	25	#0	QPSK	NV	0	-0.66	-0.001	PASS
Band13	5	23230	25	#0	QPSK	NV	10	-1.32	-0.002	PASS
Band13	5	23230	25	#0	QPSK	NV	20	-1.56	-0.002	PASS
Band13	5	23230	25	#0	QPSK	NV	30	-0.79	-0.001	PASS
Band13	5	23230	25	#0	QPSK	NV	40	-1.37	-0.002	PASS
Band13	5	23230	25	#0	QPSK	NV	50	-1.33	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	-30	-2.07	-0.003	PASS
Band13	5	23230	25	#0	16QAM	NV	-20	-1.77	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	-10	-1.39	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	0	-1.29	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	10	-2.23	-0.003	PASS
Band13	5	23230	25	#0	16QAM	NV	20	-1.53	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	30	-1.62	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	40	-1.54	-0.002	PASS
Band13	5	23230	25	#0	16QAM	NV	50	-2.29	-0.003	PASS
Band13	5	23255	25	#0	QPSK	NV	-30	-0.76	-0.001	PASS
Band13	5	23255	25	#0	QPSK	NV	-20	-0.43	-0.001	PASS
Band13	5	23255	25	#0	QPSK	NV	-10	-0.39	0.000	PASS
Band13	5	23255	25	#0	QPSK	NV	0	0.04	0.000	PASS
Band13	5	23255	25	#0	QPSK	NV	10	0.23	0.000	PASS
Band13	5	23255	25	#0	QPSK	NV	20	0.23	0.000	PASS
Band13	5	23255	25	#0	QPSK	NV	30	0.92	0.001	PASS
Band13	5	23255	25	#0	QPSK	NV	40	-0.21	0.000	PASS
Band13	5	23255	25	#0	QPSK	NV	50	-1.32	-0.002	PASS
Band13	5	23255	25	#0	16QAM	NV	-30	-1.32	-0.002	PASS
Band13	5	23255	25	#0	16QAM	NV	-20	-0.62	-0.001	PASS
Band13	5	23255	25	#0	16QAM	NV	-10	-0.80	-0.001	PASS
Band13	5	23255	25	#0	16QAM	NV	0	-1.65	-0.002	PASS
Band13	5	23255	25	#0	16QAM	NV	10	1.04	0.001	PASS
Band13	5	23255	25	#0	16QAM	NV	20	-0.92	-0.001	PASS
Band13	5	23255	25	#0	16QAM	NV	30	-0.11	0.000	PASS
Band13	5	23255	25	#0	16QAM	NV	40	0.47	0.001	PASS
Band13	5	23255	25	#0	16QAM	NV	50	-1.04	-0.001	PASS

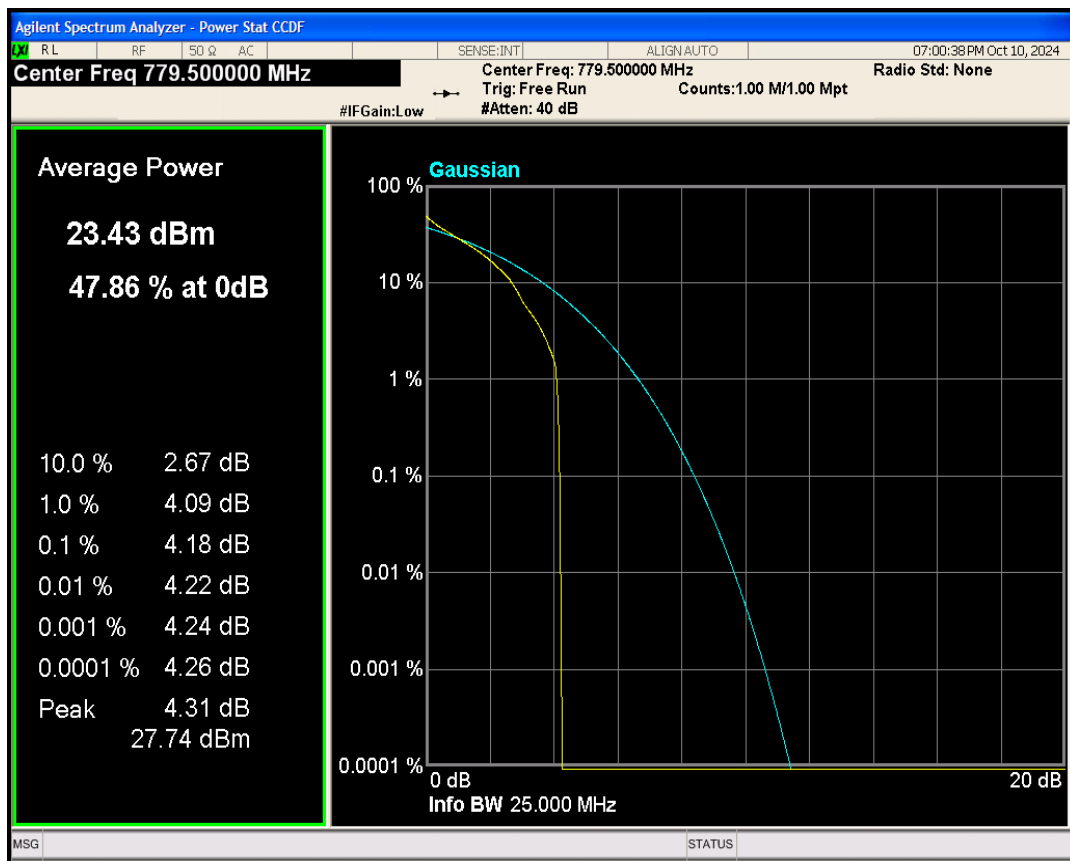
Band13	10	23230	50	#0	QPSK	NV	-30	-0.01	0.000	PASS
Band13	10	23230	50	#0	QPSK	NV	-20	-0.76	-0.001	PASS
Band13	10	23230	50	#0	QPSK	NV	-10	-0.14	0.000	PASS
Band13	10	23230	50	#0	QPSK	NV	0	-1.03	-0.001	PASS
Band13	10	23230	50	#0	QPSK	NV	10	-1.07	-0.001	PASS
Band13	10	23230	50	#0	QPSK	NV	20	-1.12	-0.001	PASS
Band13	10	23230	50	#0	QPSK	NV	30	-1.27	-0.002	PASS
Band13	10	23230	50	#0	QPSK	NV	40	-1.04	-0.001	PASS
Band13	10	23230	50	#0	QPSK	NV	50	-0.90	-0.001	PASS
Band13	10	23230	50	#0	16QAM	NV	-30	-1.36	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	-20	-1.79	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	-10	-1.29	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	0	-1.66	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	10	-1.85	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	20	-0.94	-0.001	PASS
Band13	10	23230	50	#0	16QAM	NV	30	-1.66	-0.002	PASS
Band13	10	23230	50	#0	16QAM	NV	40	-0.43	-0.001	PASS
Band13	10	23230	50	#0	16QAM	NV	50	-0.76	-0.001	PASS



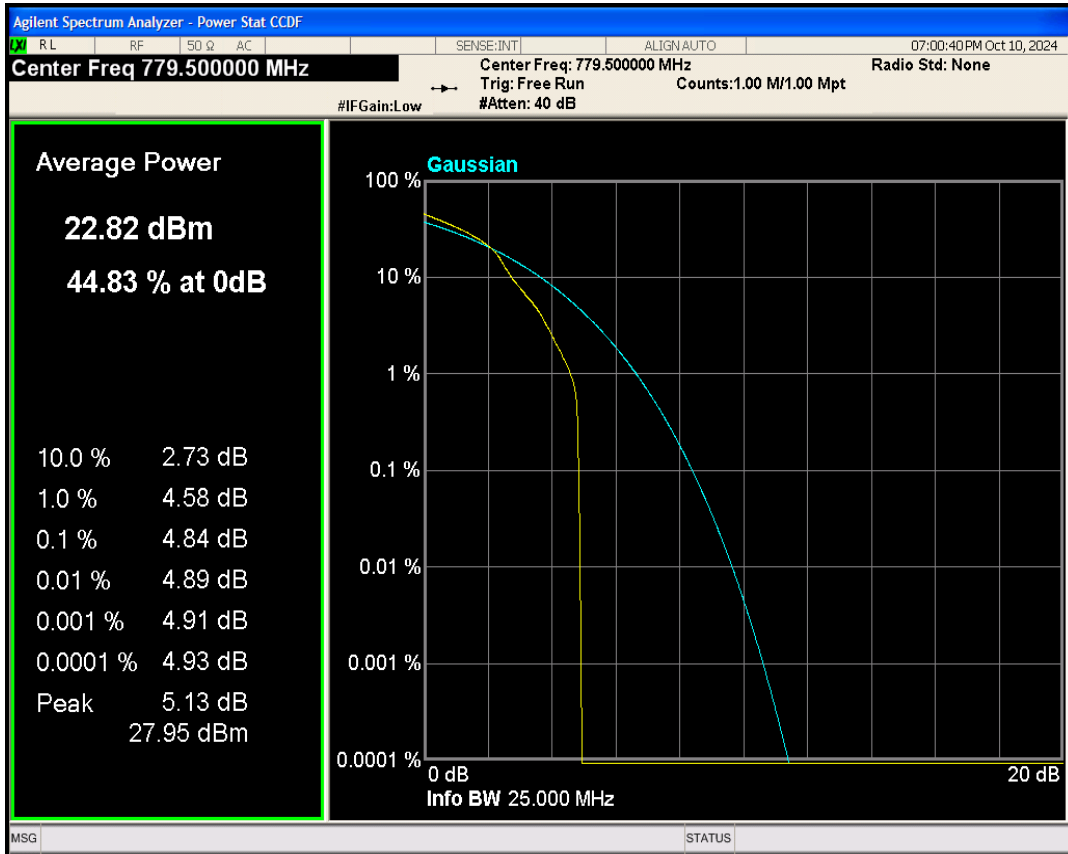
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band13	5	23205	1	#0	QPSK	4.18	13	PASS
Band13	5	23205	1	#0	16QAM	4.84	13	PASS
Band13	5	23230	1	#0	QPSK	4.51	13	PASS
Band13	5	23230	1	#0	16QAM	5.42	13	PASS
Band13	5	23255	1	#0	QPSK	4.48	13	PASS
Band13	5	23255	1	#0	16QAM	5.26	13	PASS
Band13	10	23230	1	#0	QPSK	4.16	13	PASS
Band13	10	23230	1	#0	16QAM	5.05	13	PASS

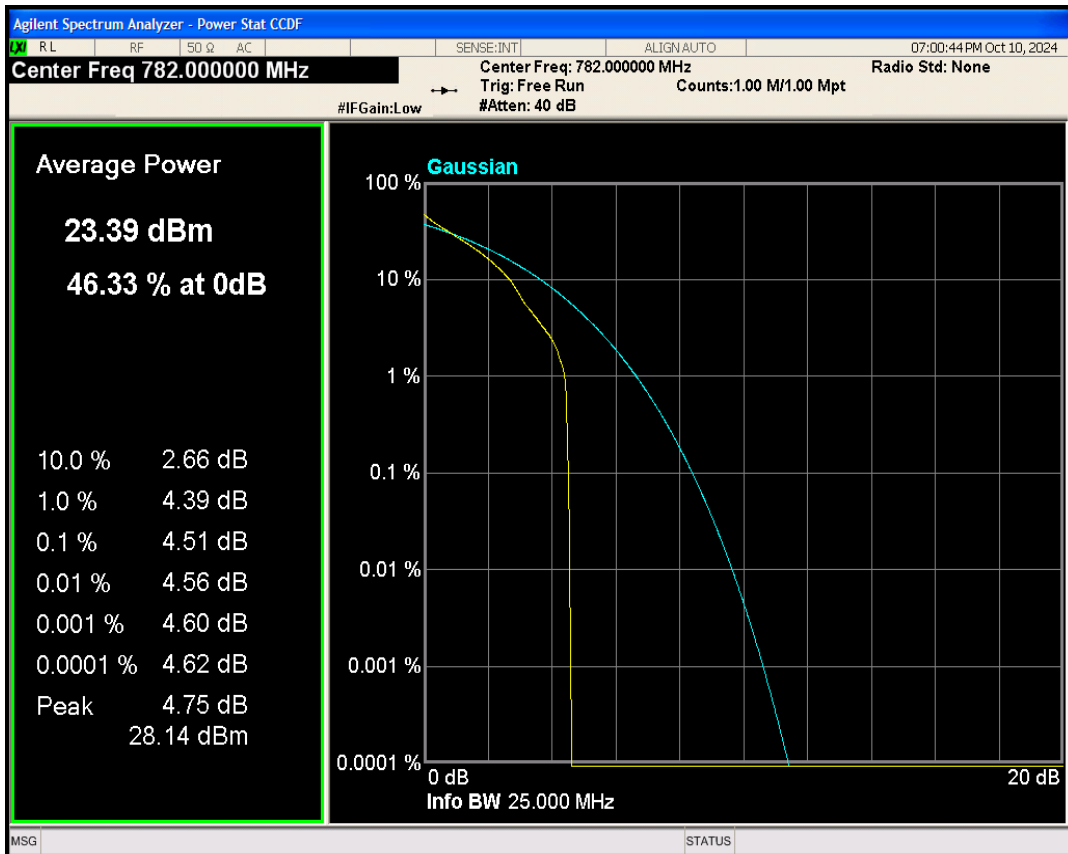
Band13 QPSK BW=5MHz Channel=23205 RB Size=1 Position=#0



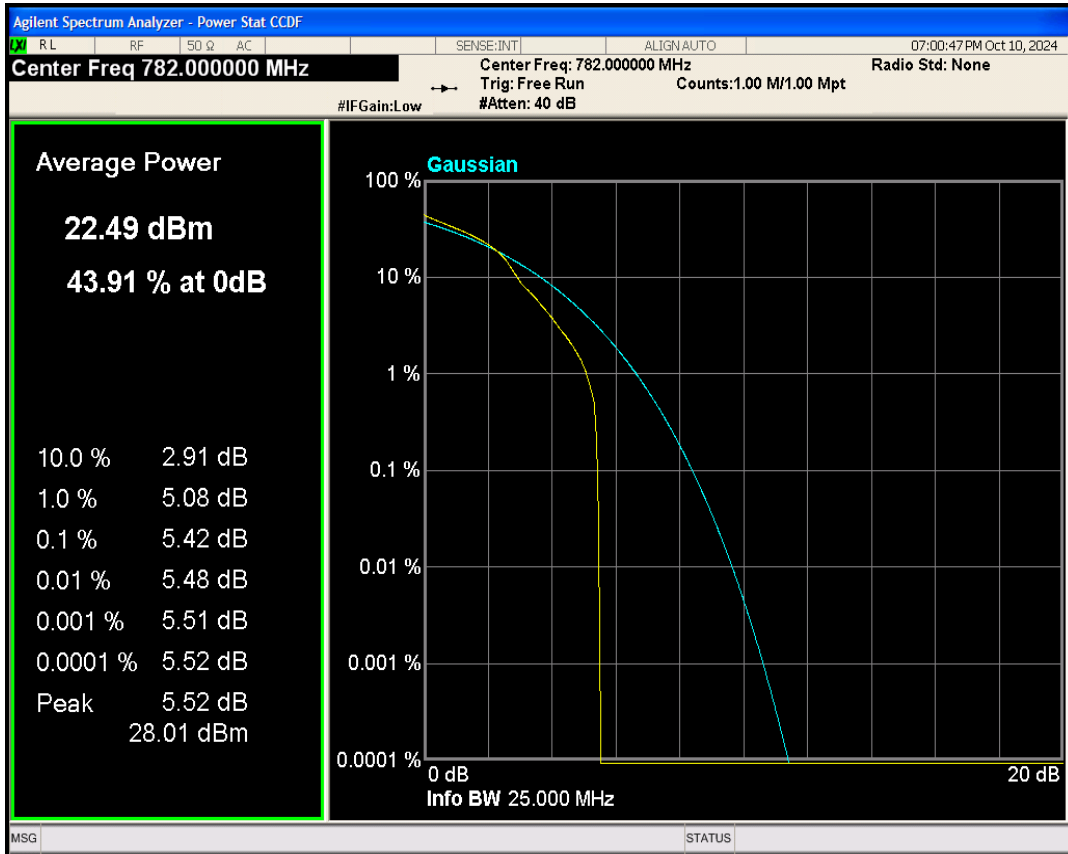
Band13 16QAM BW=5MHz Channel=23205 RB Size=1 Position=#0



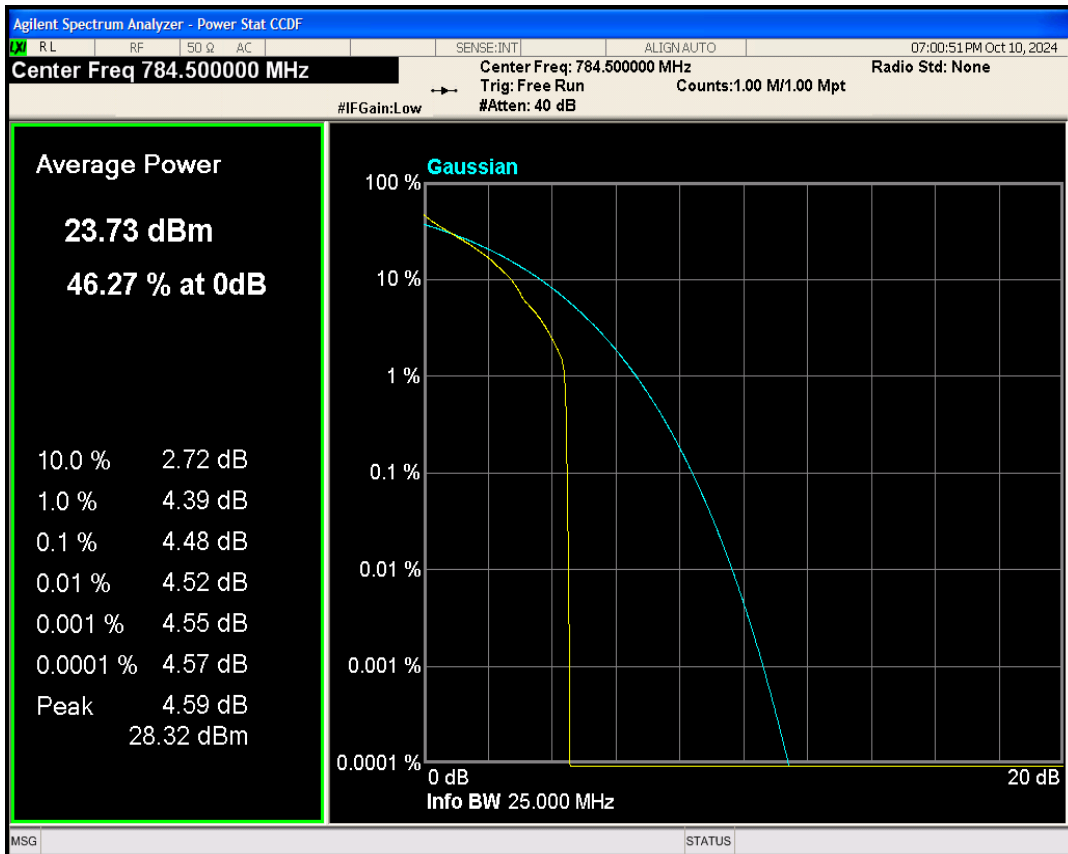
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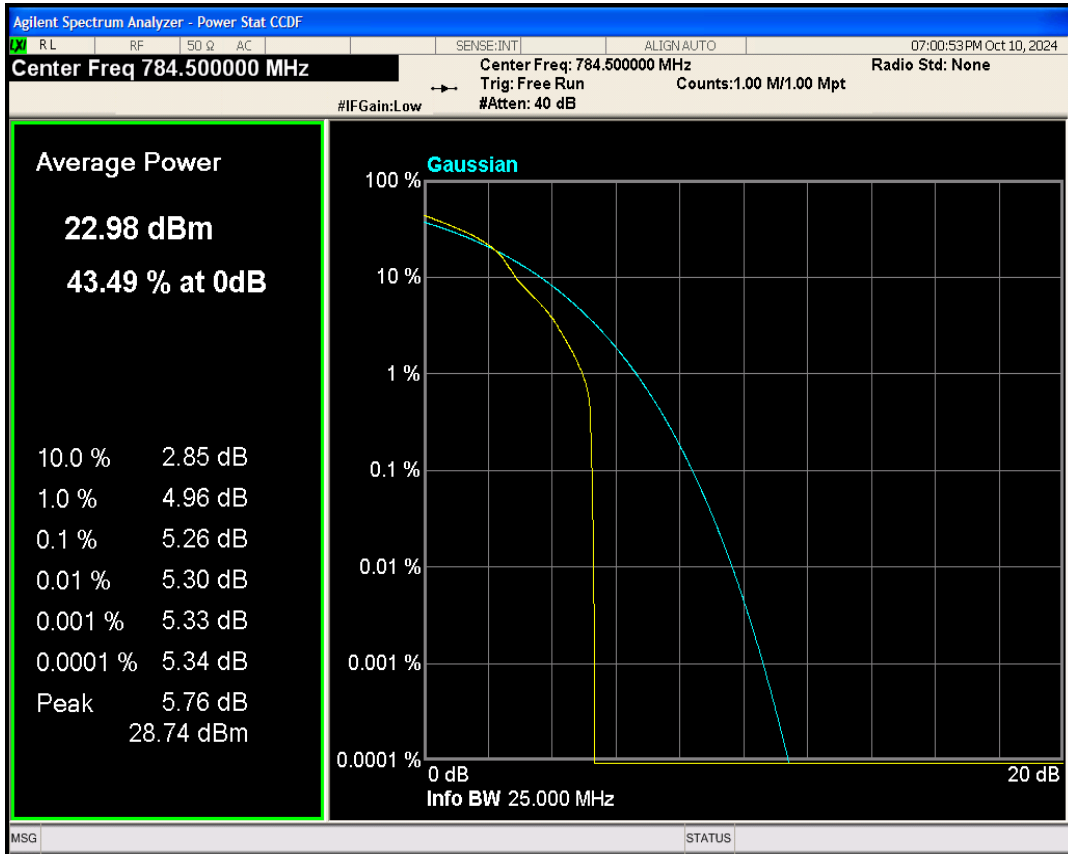
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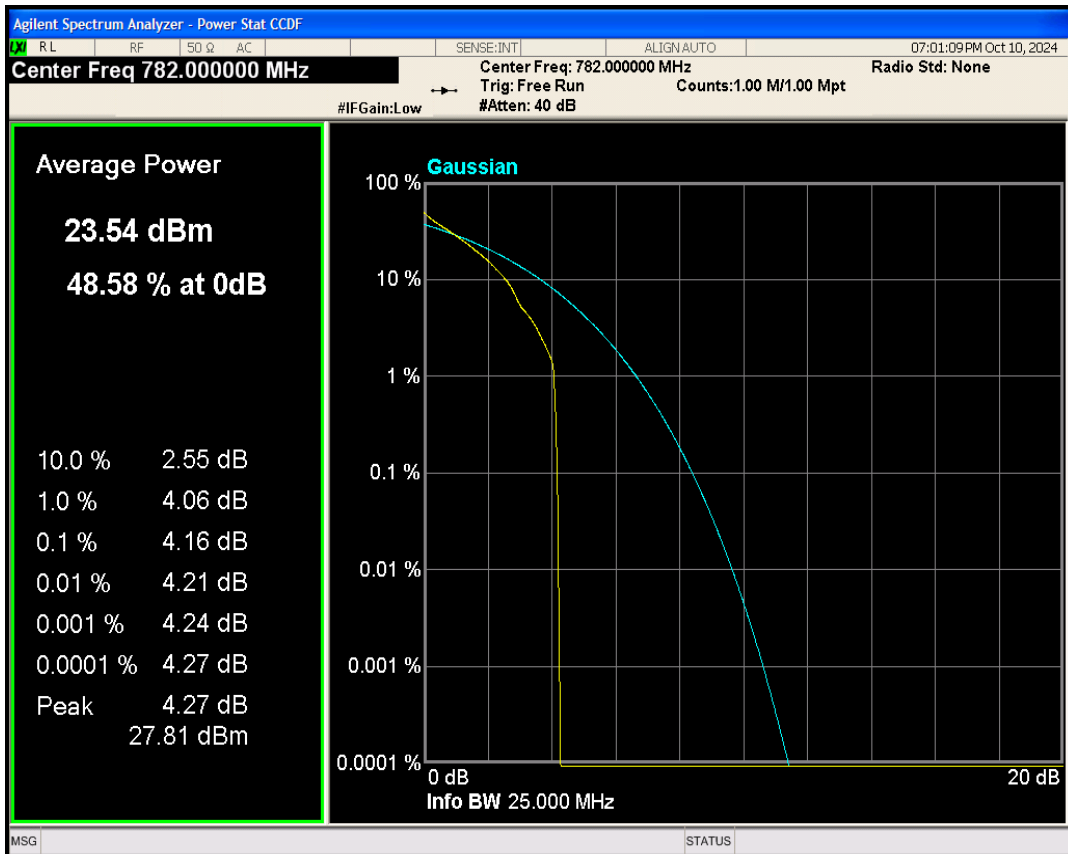
Band13 QPSK BW=5MHz Channel=23255 RB Size=1 Position=#0



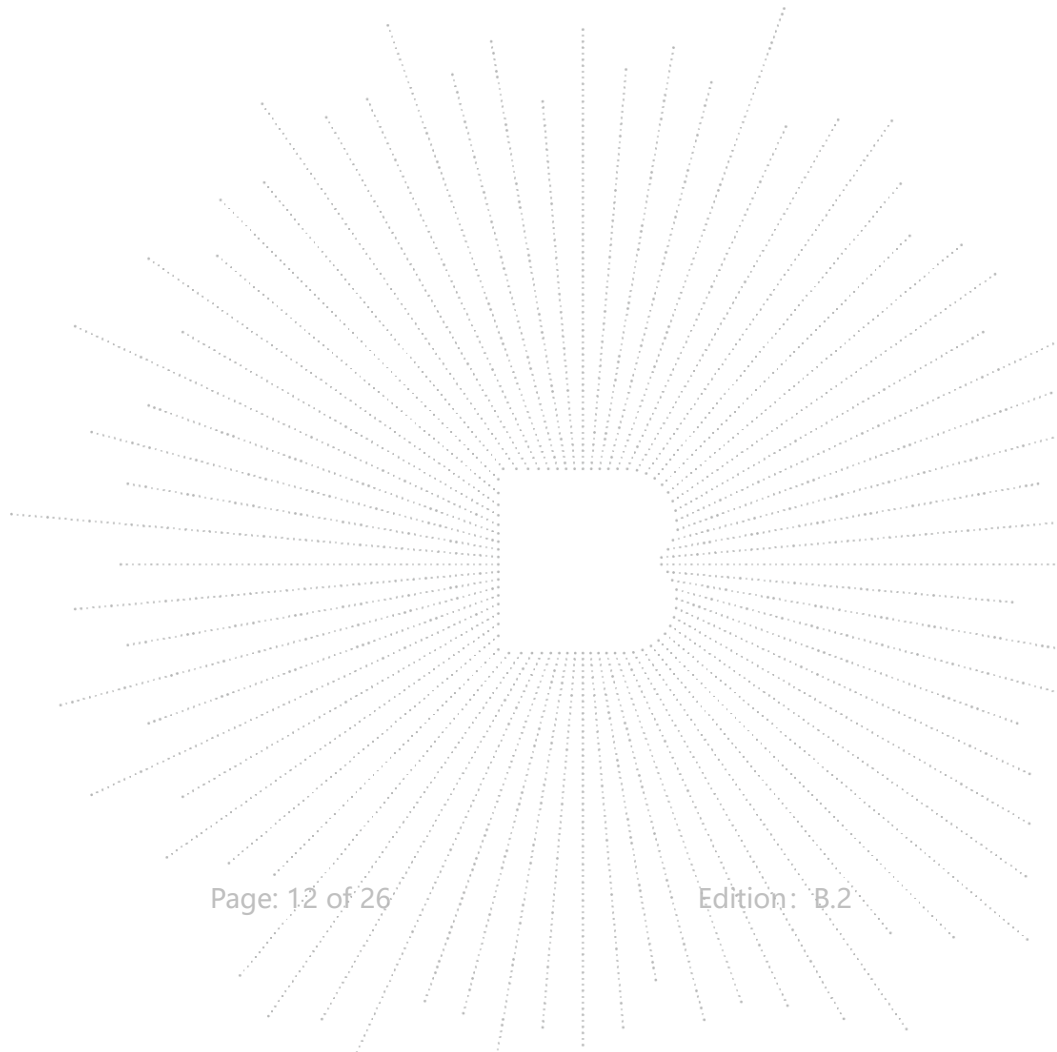
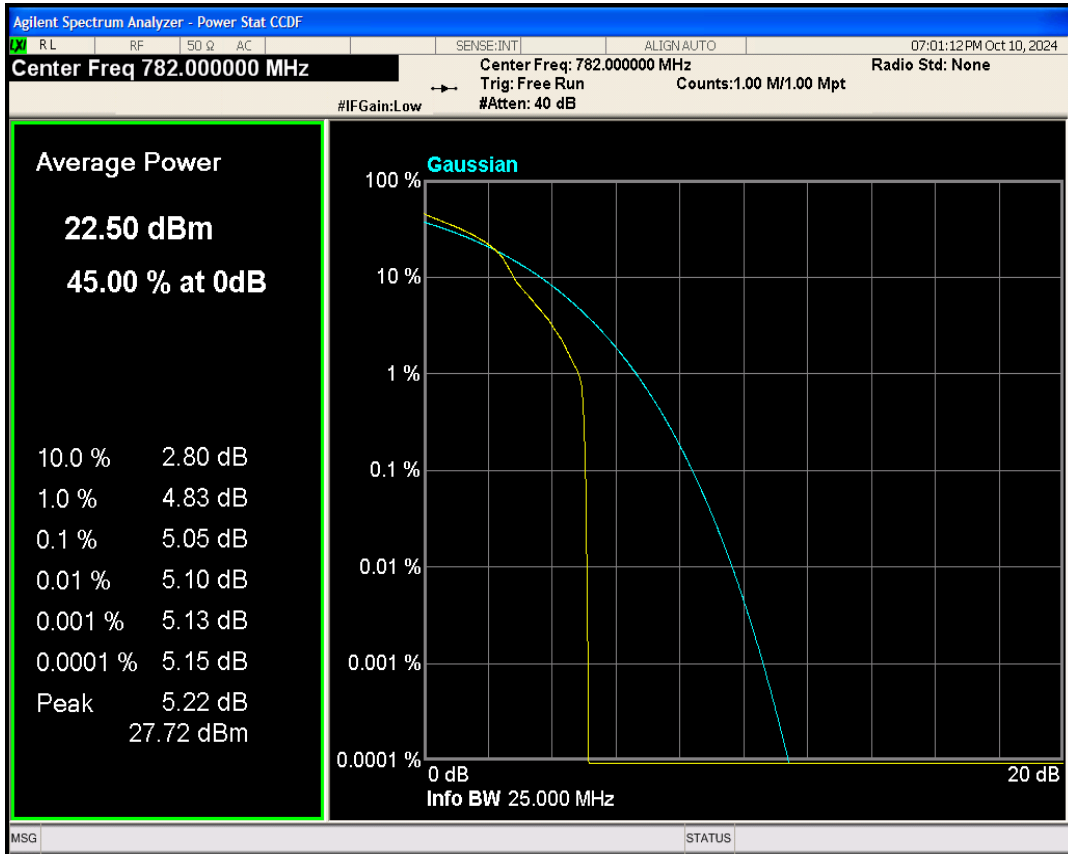
Band13 16QAM BW=5MHz Channel=23255 RB Size=1 Position=#0



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



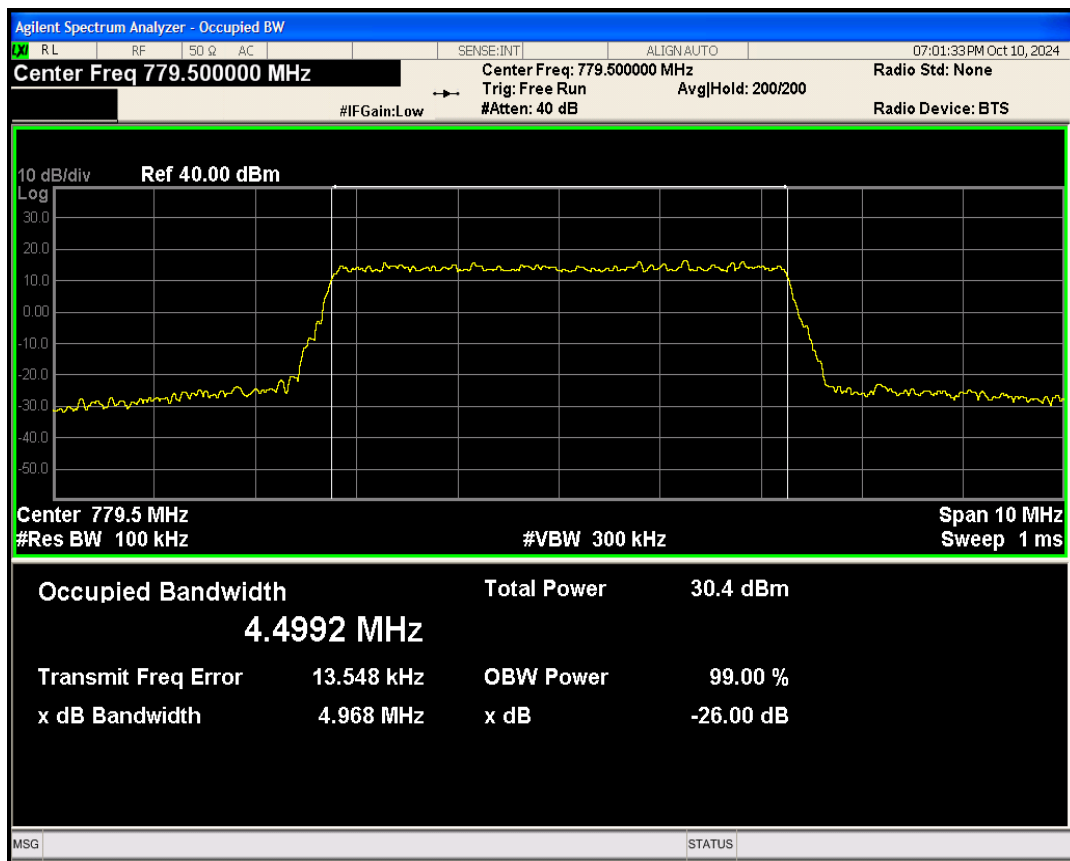
Band13 16QAM BW=10MHz Channel=23230 RB Size=1 Position=#0



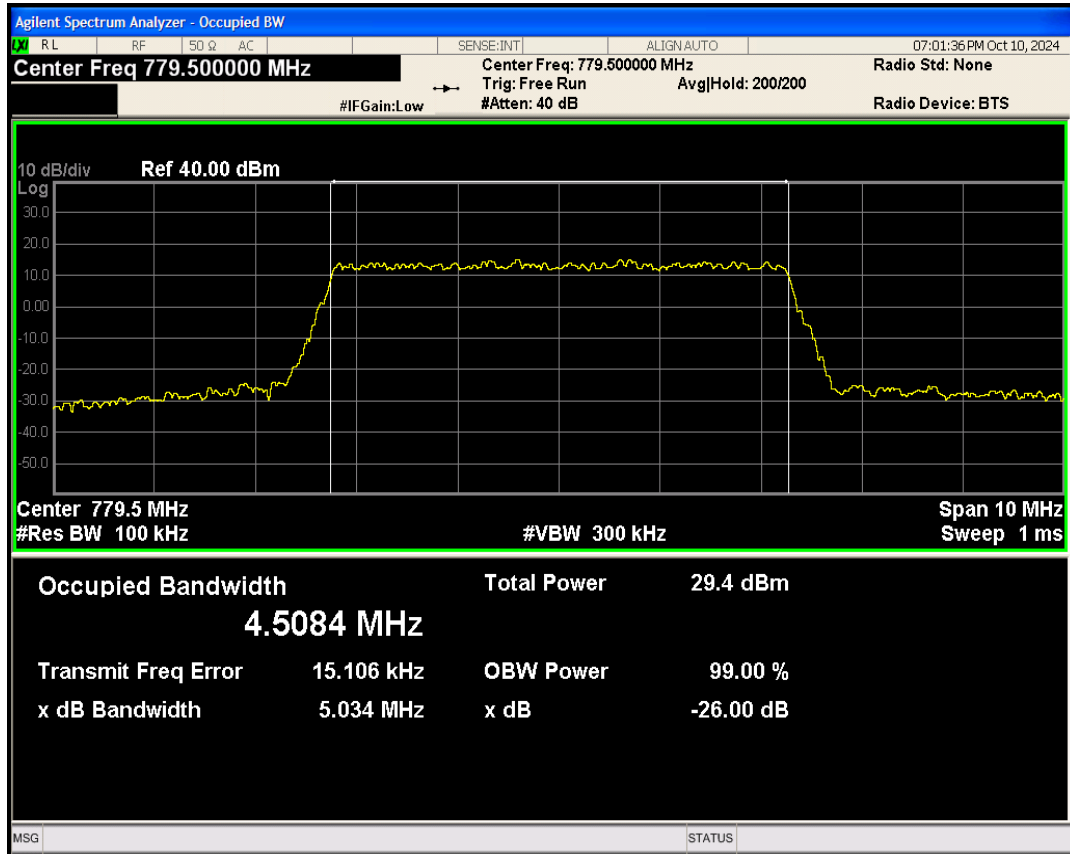
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.499	4.968	PASS
Band13	5	23205	25	#0	16QAM	4.508	5.034	PASS
Band13	5	23230	25	#0	QPSK	4.502	4.961	PASS
Band13	5	23230	25	#0	16QAM	4.520	4.956	PASS
Band13	5	23255	25	#0	QPSK	4.509	4.950	PASS
Band13	5	23255	25	#0	16QAM	4.507	4.924	PASS
Band13	10	23230	50	#0	QPSK	8.964	9.842	PASS
Band13	10	23230	50	#0	16QAM	8.943	9.799	PASS

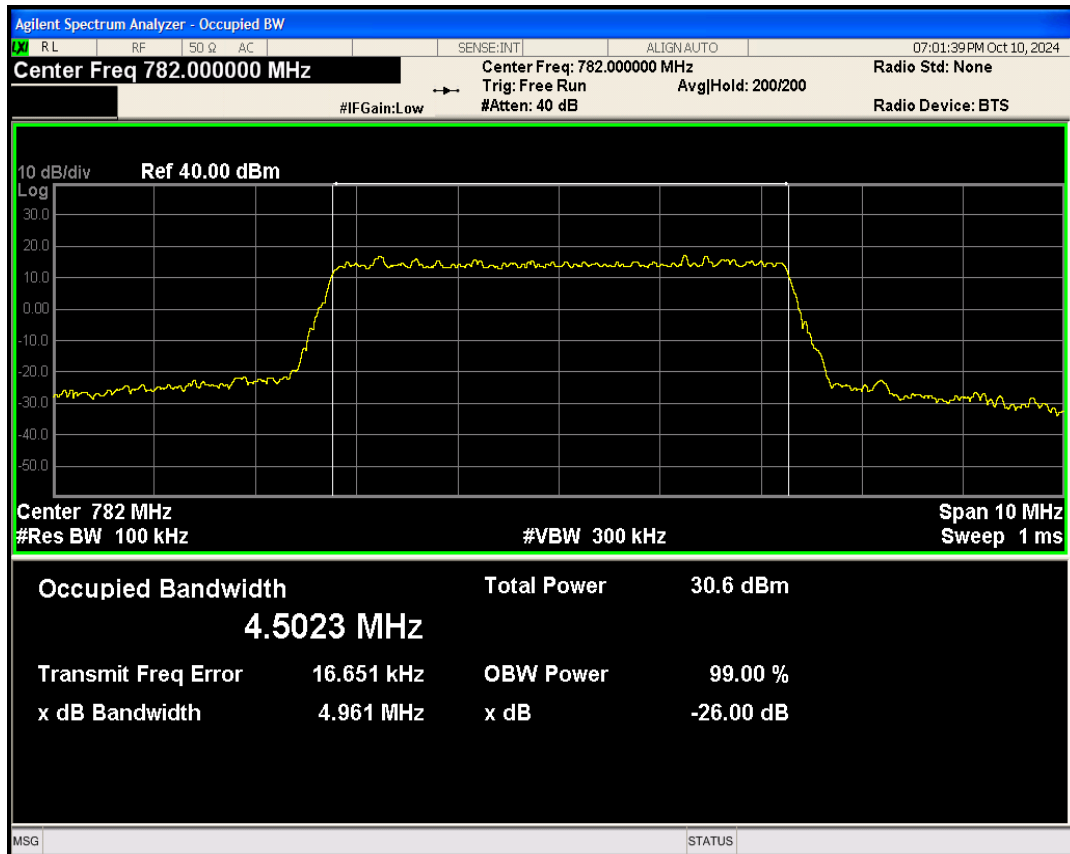
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



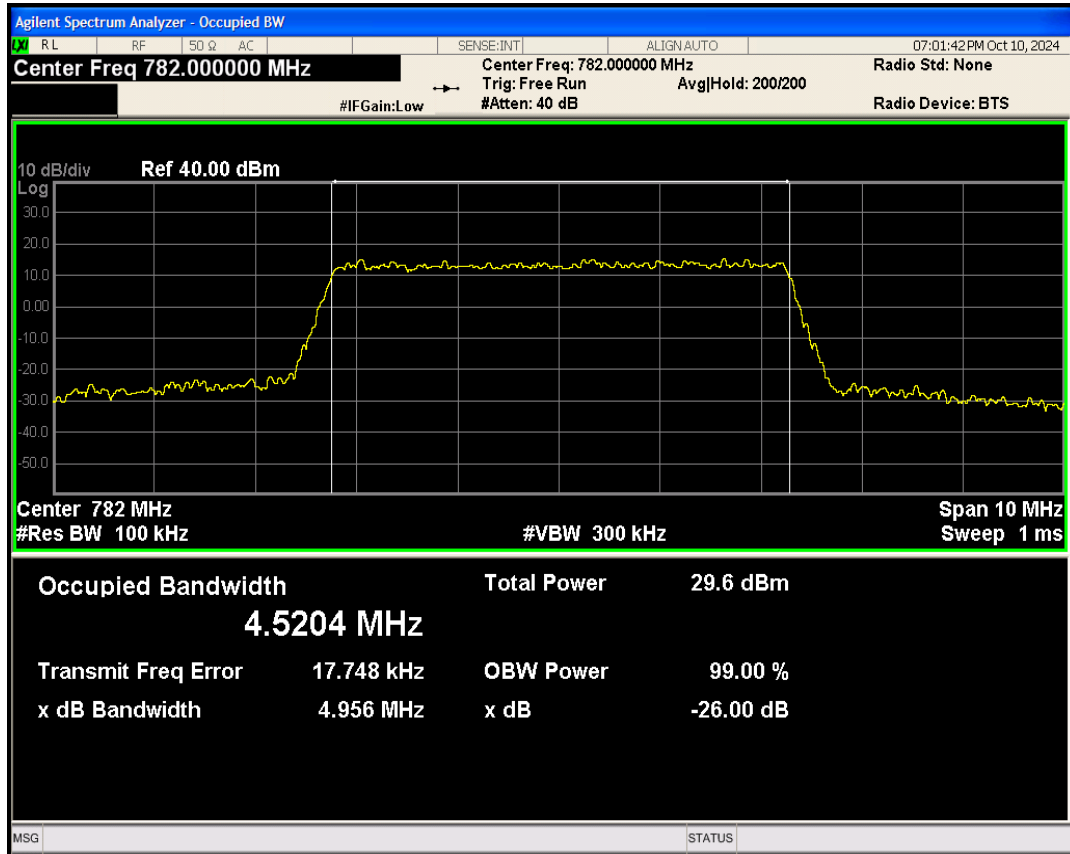
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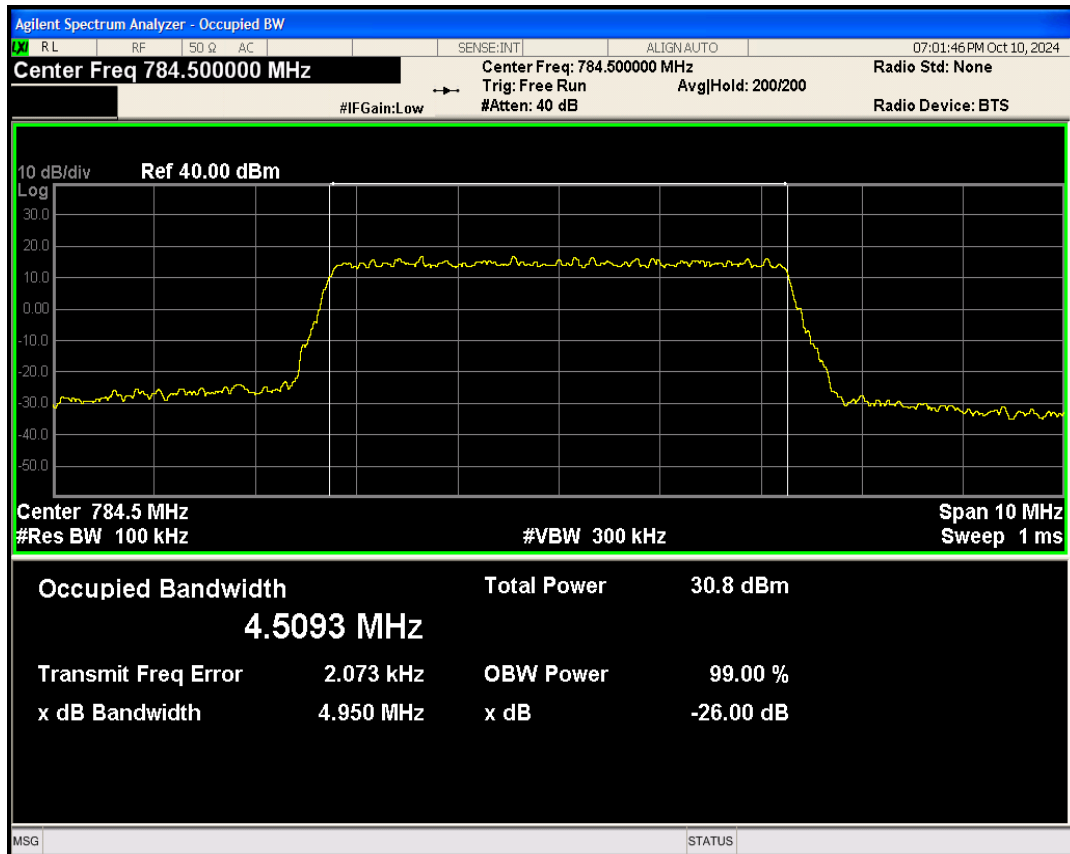
Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



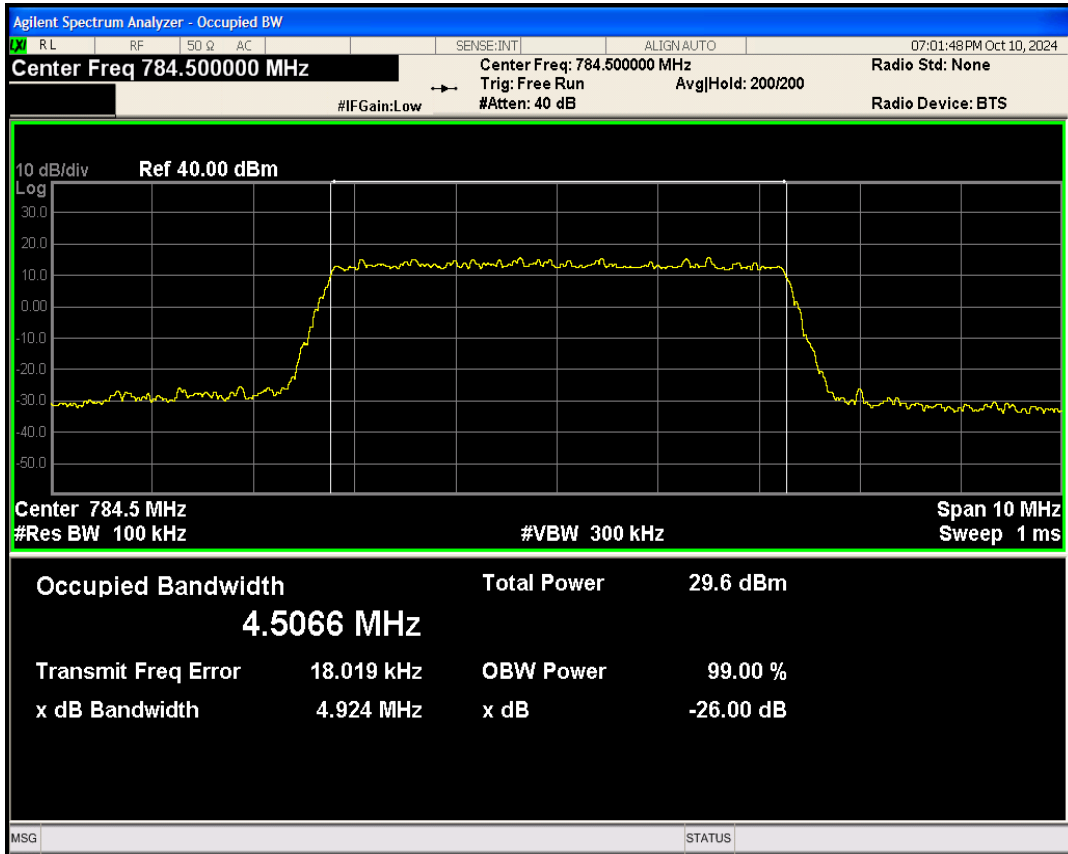
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



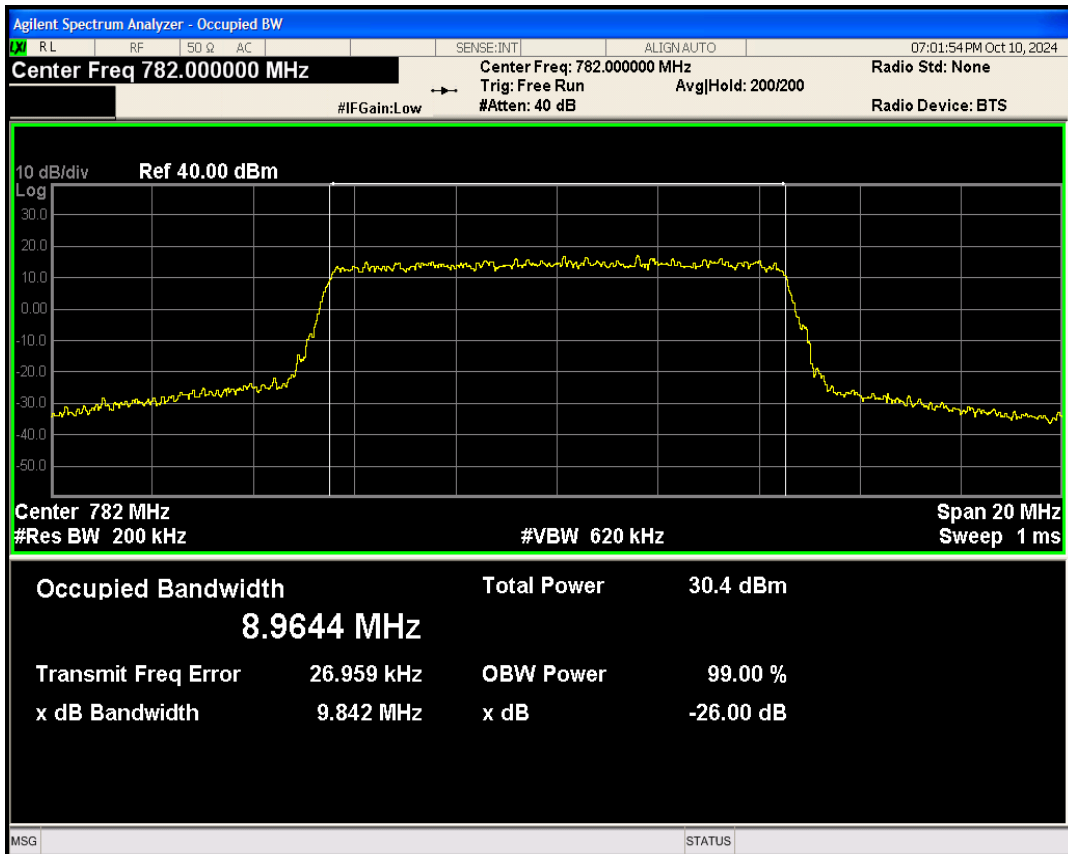
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



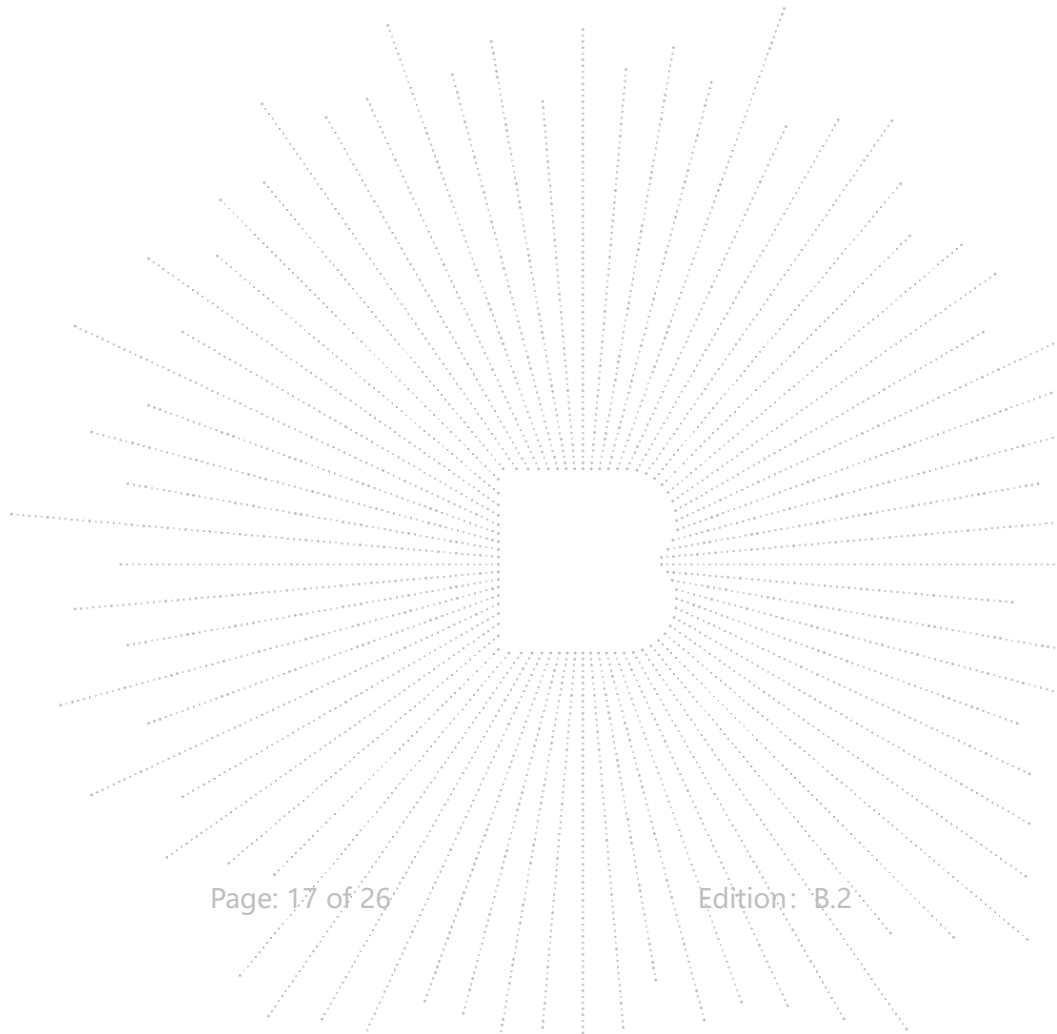
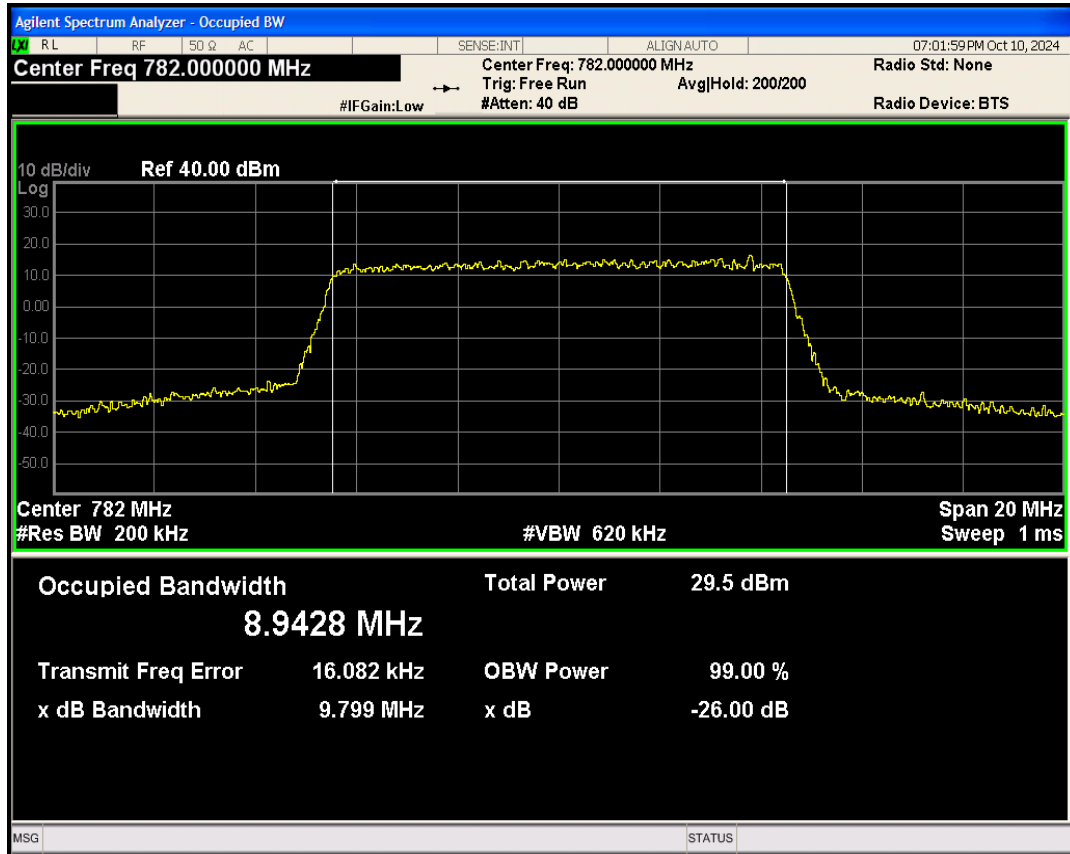
Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



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



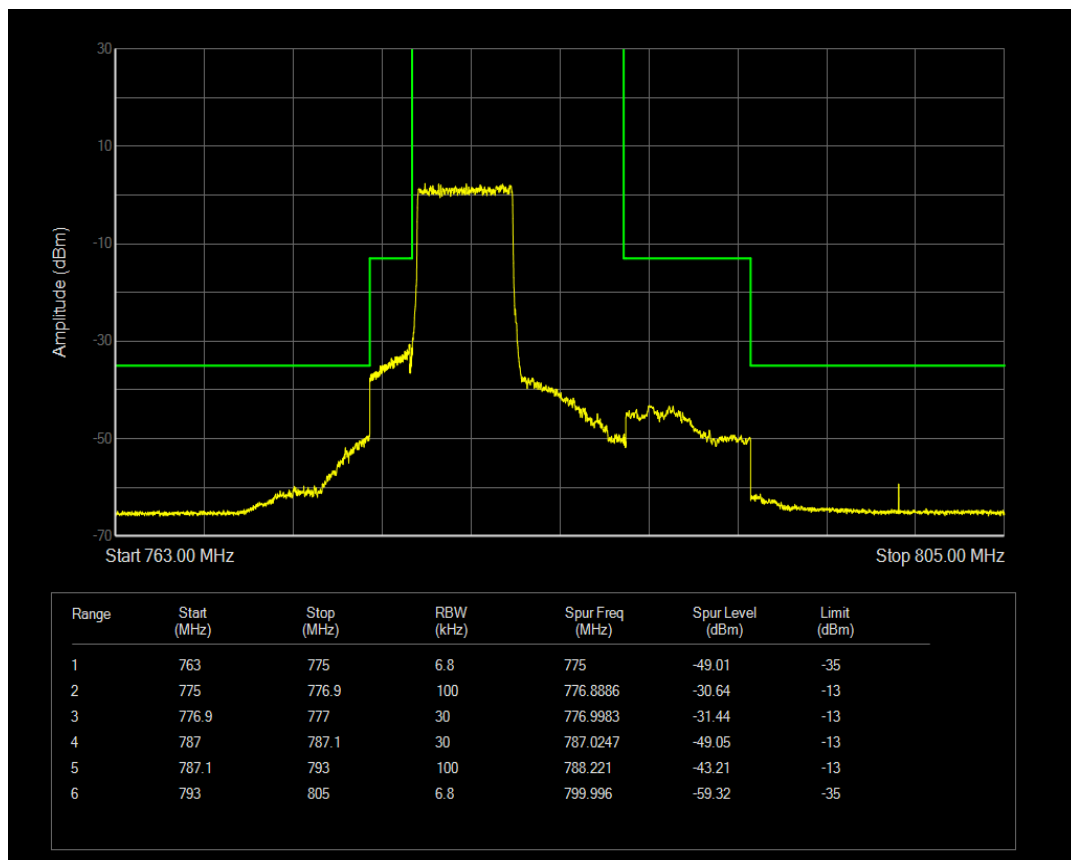
Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



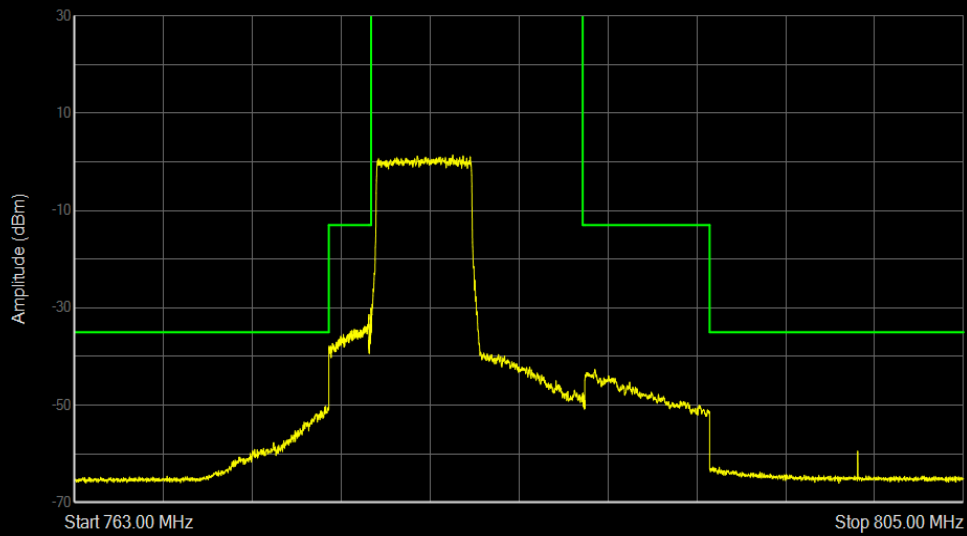
Appendix 5. Band edge

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	775.00	-49.01	-35	PASS
Band13	5	23205	25	#0	16QAM	774.86	-50.25	-35	PASS
Band13	5	23255	25	#0	QPSK	787.00	-30.82	-13	PASS
Band13	5	23255	25	#0	16QAM	787.00	-32.08	-13	PASS
Band13	10	23230	50	#0	QPSK	774.99	-49.56	-35	PASS
Band13	10	23230	50	#0	16QAM	774.87	-50.80	-35	PASS

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

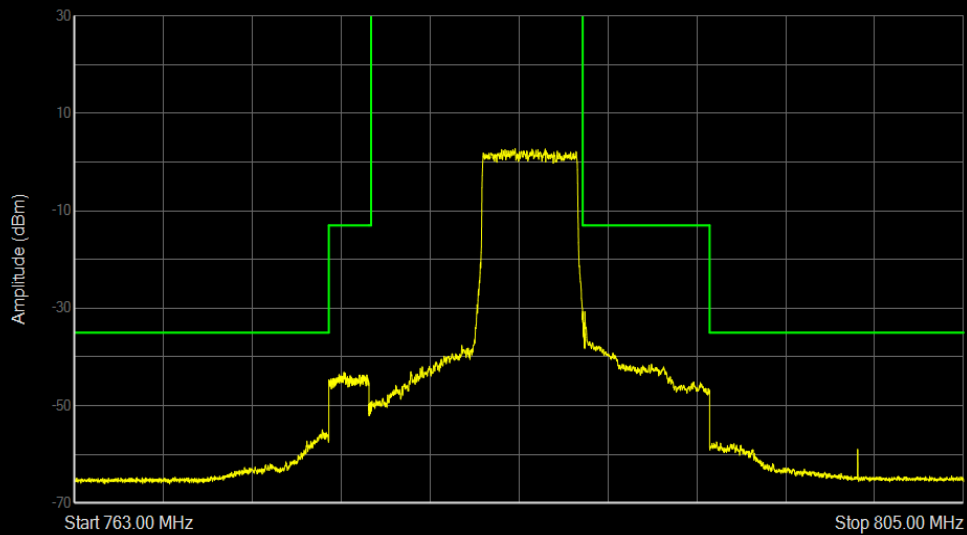


Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



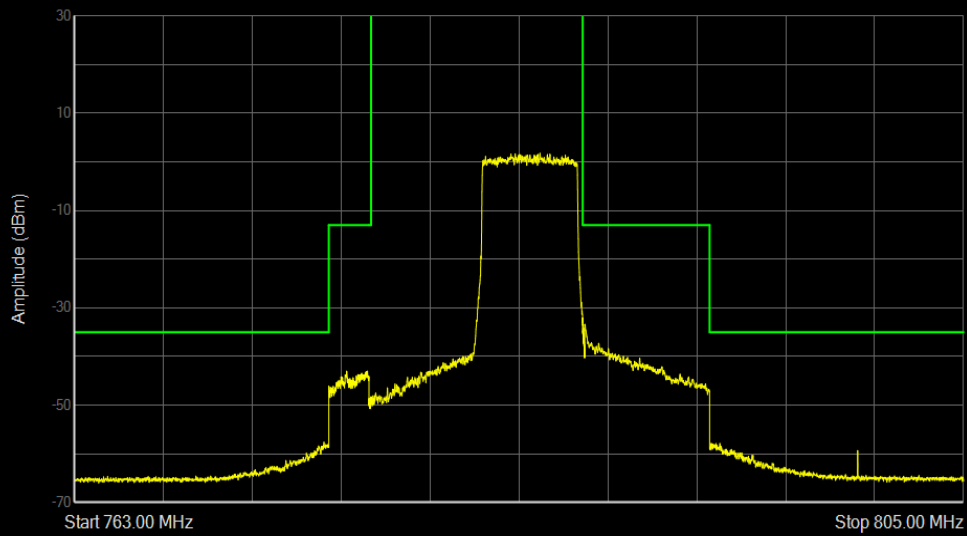
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	763	775	6.8	774.856	-50.25	-35
2	775	776.9	100	776.8981	-31.38	-13
3	776.9	777	30	776.9989	-30.11	-13
4	787	787.1	30	787.0048	-47.57	-13
5	787.1	793	100	787.5779	-42.68	-13
6	793	805	6.8	799.996	-59.46	-35

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



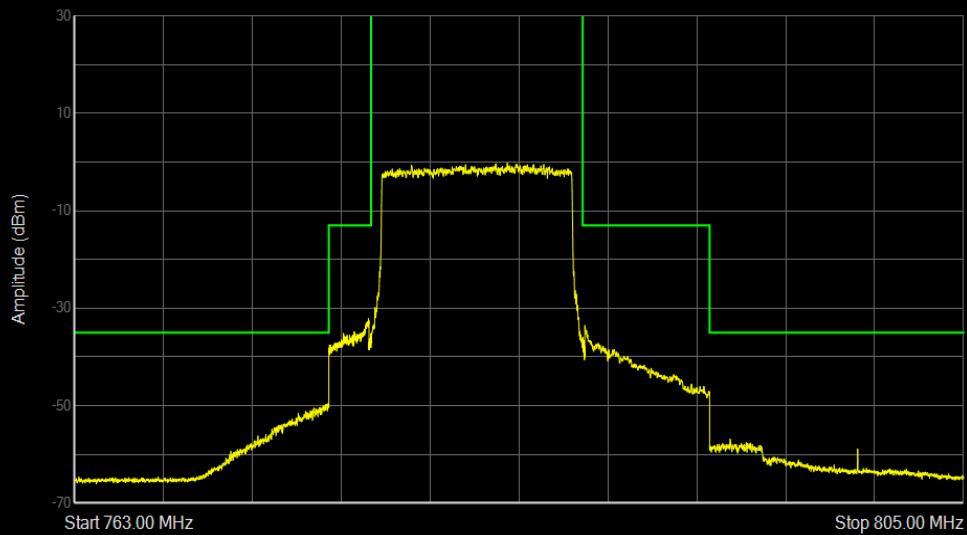
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	763	775	6.8	774.7	-54.96	-35
2	775	776.9	100	775.7182	-43.17	-13
3	776.9	777	30	776.9989	-49.34	-13
4	787	787.1	30	787.0001	-30.82	-13
5	787.1	793	100	787.1059	-31.35	-13
6	793	805	6.8	793.324	-57.45	-35

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



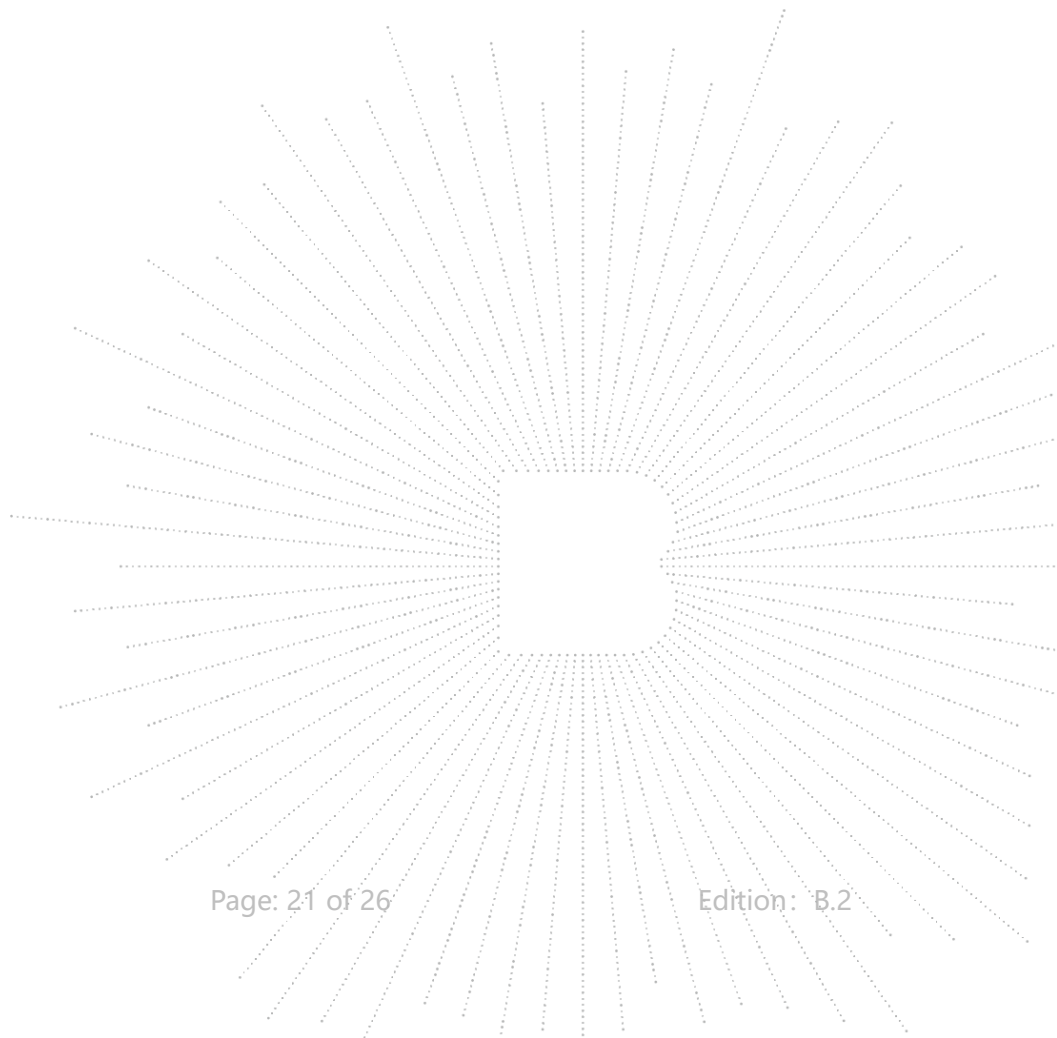
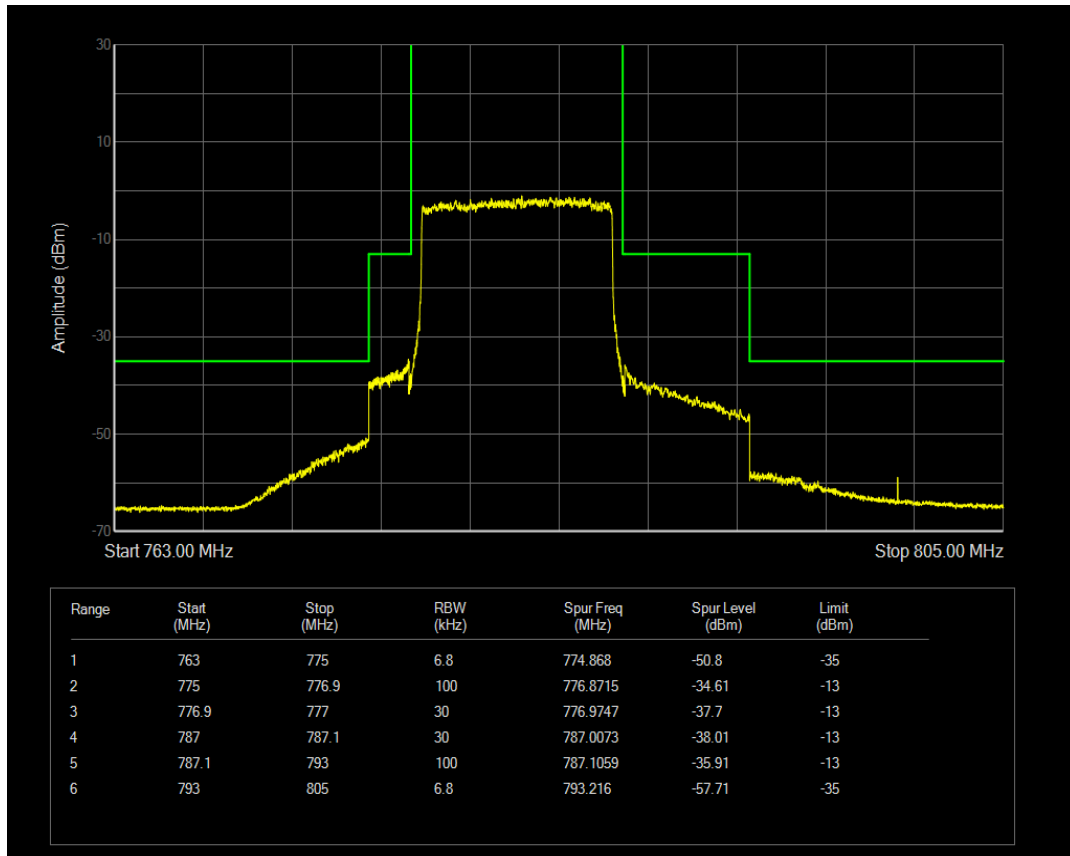
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	763	775	6.8	774.772	-57.61	-35
2	775	776.9	100	776.8297	-43.01	-13
3	776.9	777	30	776.9918	-48.32	-13
4	787	787.1	30	787.0036	-32.08	-13
5	787.1	793	100	787.1059	-33.38	-13
6	793	805	6.8	793.48	-57.86	-35

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	763	775	6.8	774.988	-49.56	-35
2	775	776.9	100	776.8753	-32.16	-13
3	776.9	777	30	776.9927	-35.26	-13
4	787	787.1	30	787.0077	-36.05	-13
5	787.1	793	100	787.1059	-33.8	-13
6	793	805	6.8	793.972	-56.86	-35

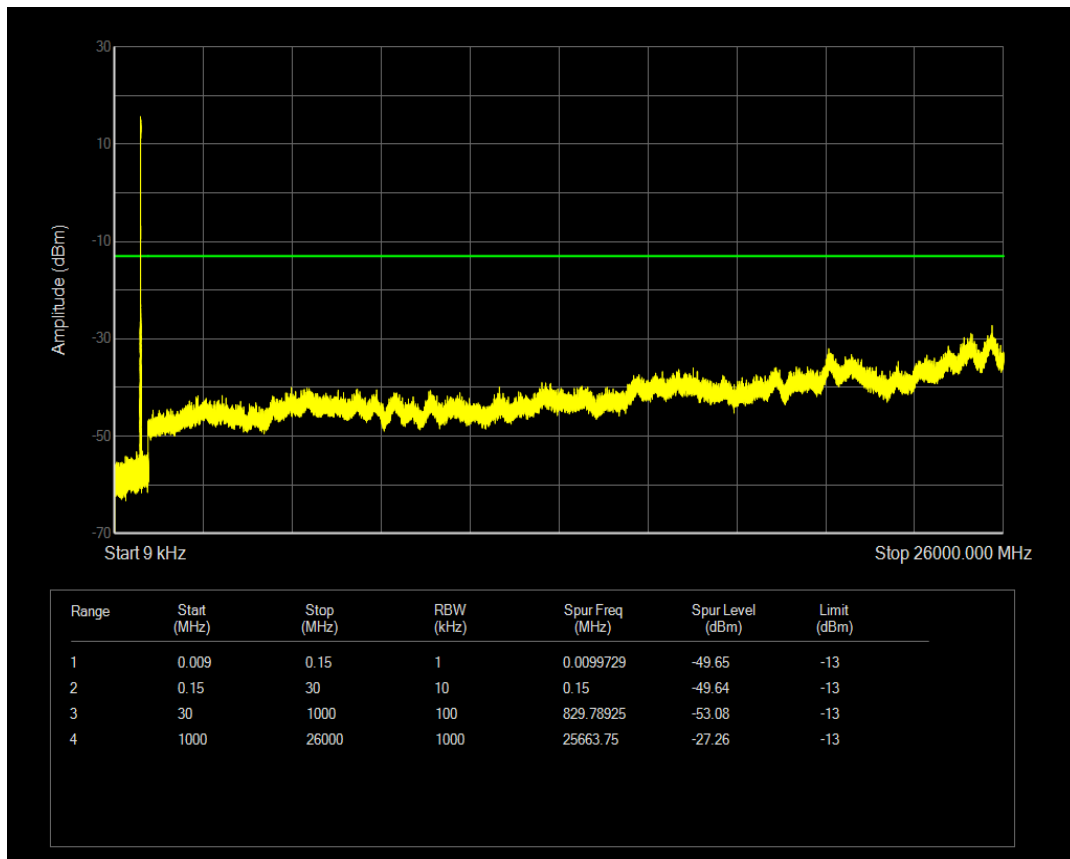
Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



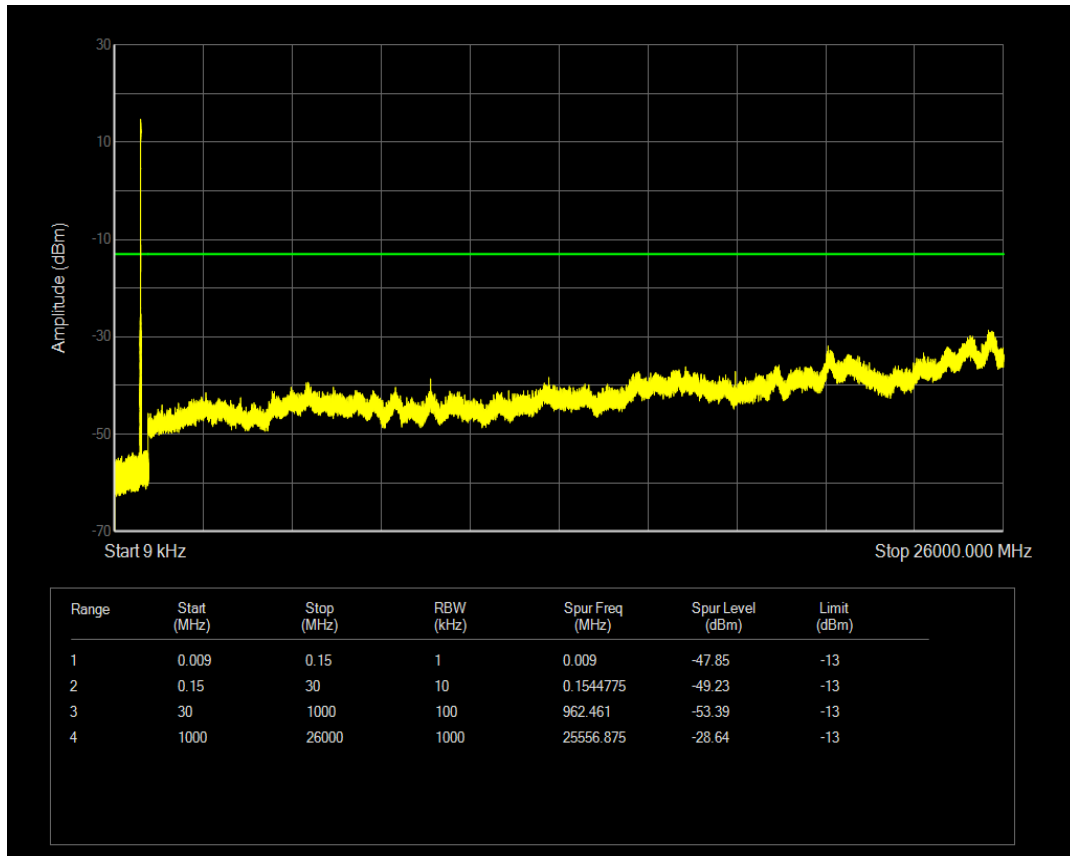
Appendix 6. Out-of-band emissions

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	25663.75	-27.26	-13	PASS
Band13	5	23205	25	#0	16QAM	25556.88	-28.64	-13	PASS
Band13	5	23230	25	#0	QPSK	25628.75	-27.43	-13	PASS
Band13	5	23230	25	#0	16QAM	25598.13	-27.65	-13	PASS
Band13	5	23255	25	#0	QPSK	25658.13	-28.43	-13	PASS
Band13	5	23255	25	#0	16QAM	25616.88	-28.20	-13	PASS
Band13	10	23230	50	#0	QPSK	25665.63	-28.69	-13	PASS
Band13	10	23230	50	#0	16QAM	25607.50	-28.45	-13	PASS

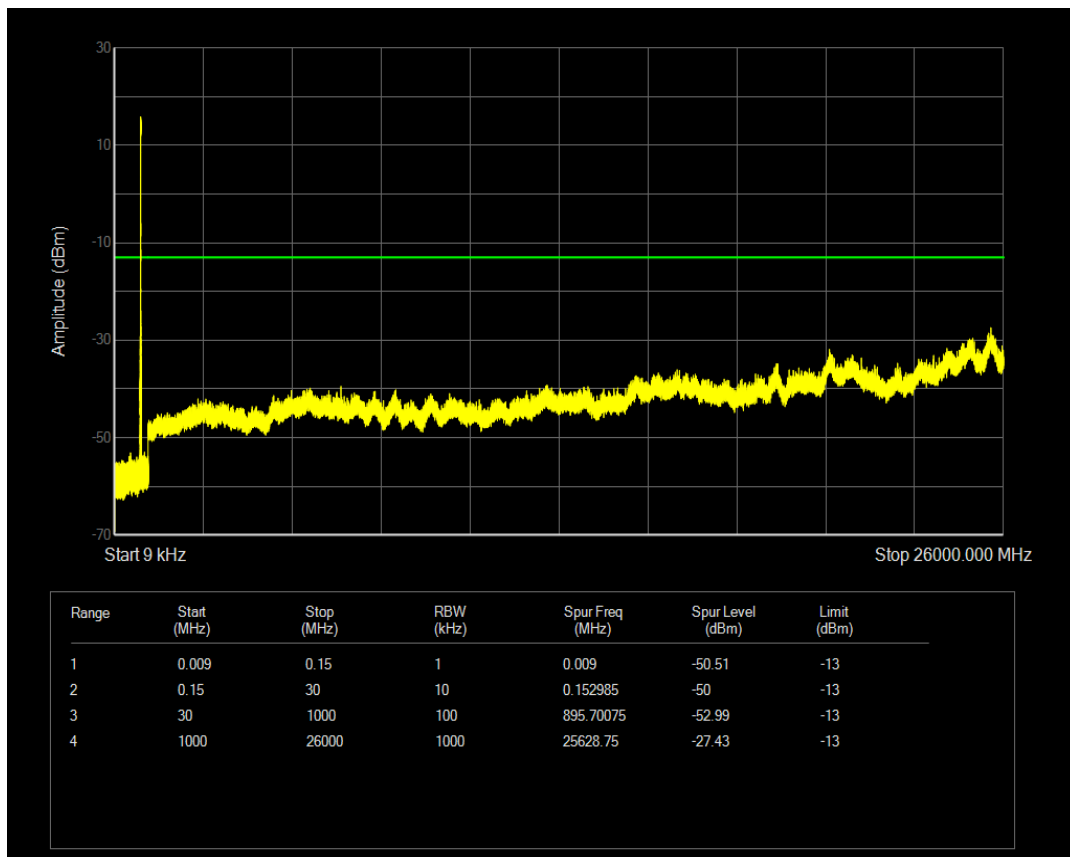
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



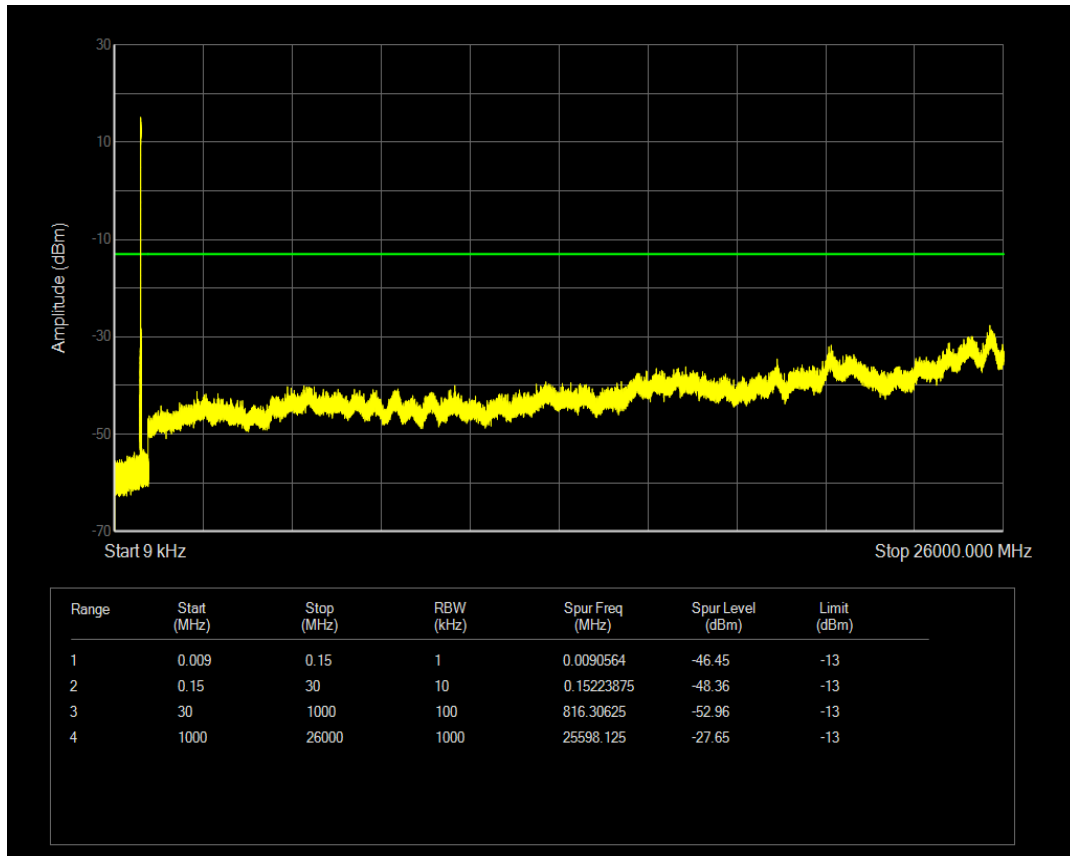
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



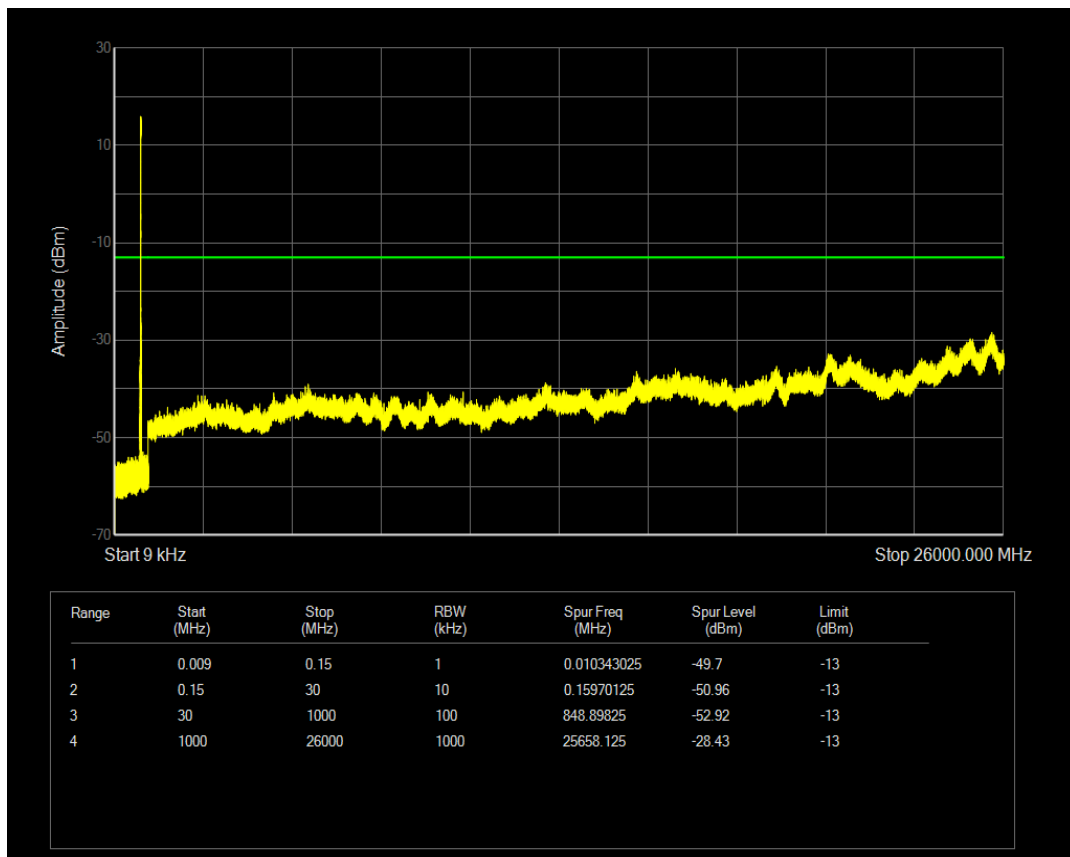
Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



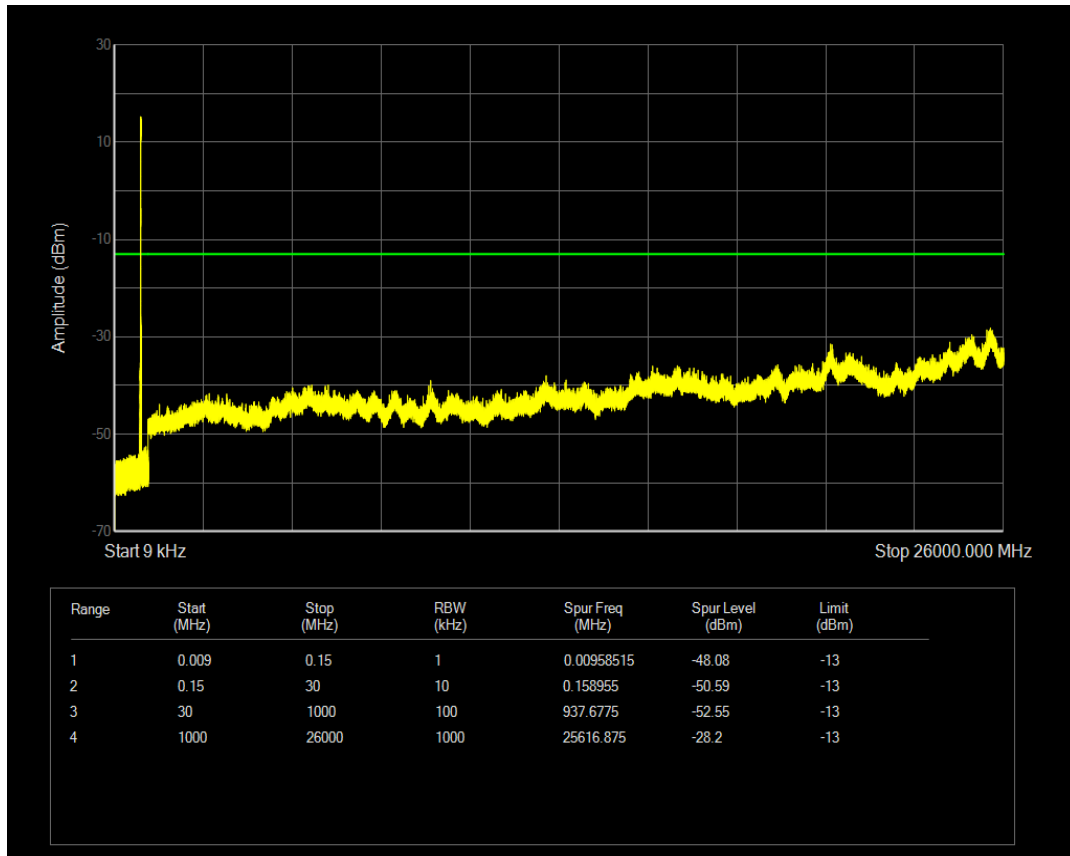
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



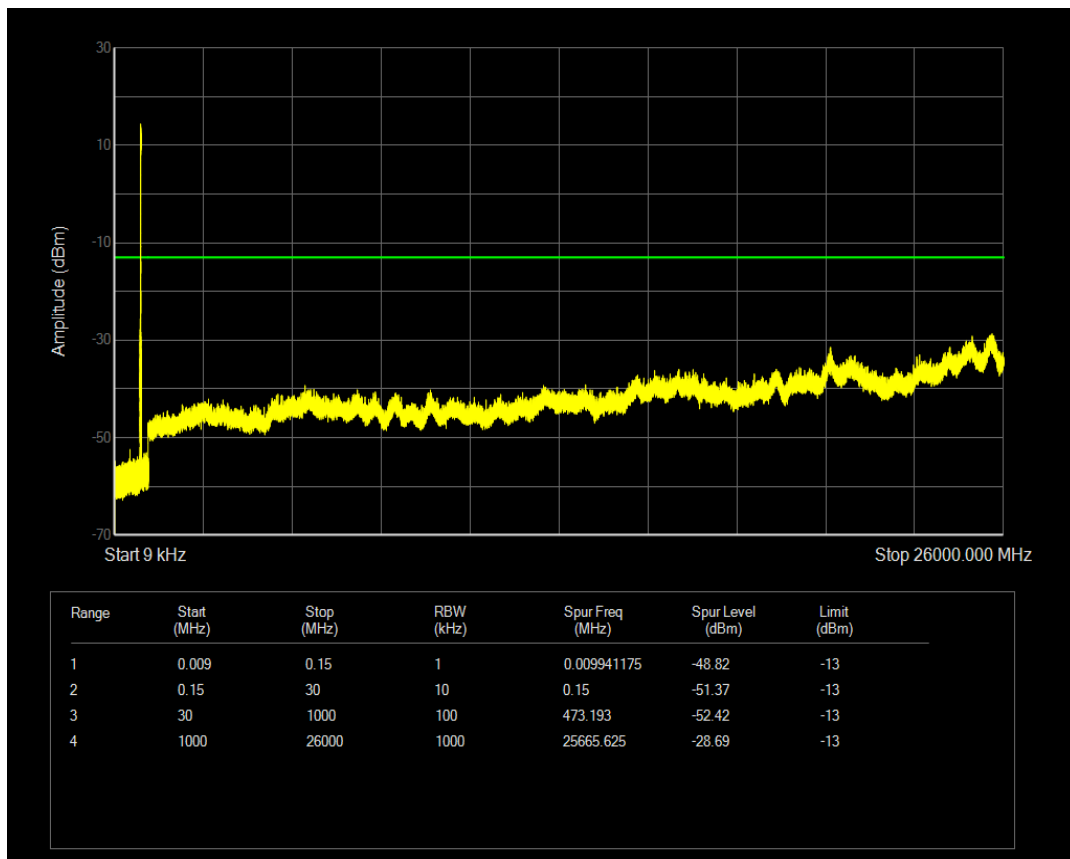
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



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

