

Appendix for Band 13

Report No.: BCTC2504497774-5E

Applicant: Shenzhen Baseus Technology Co., Ltd.

Product Name: Mifi Power bank

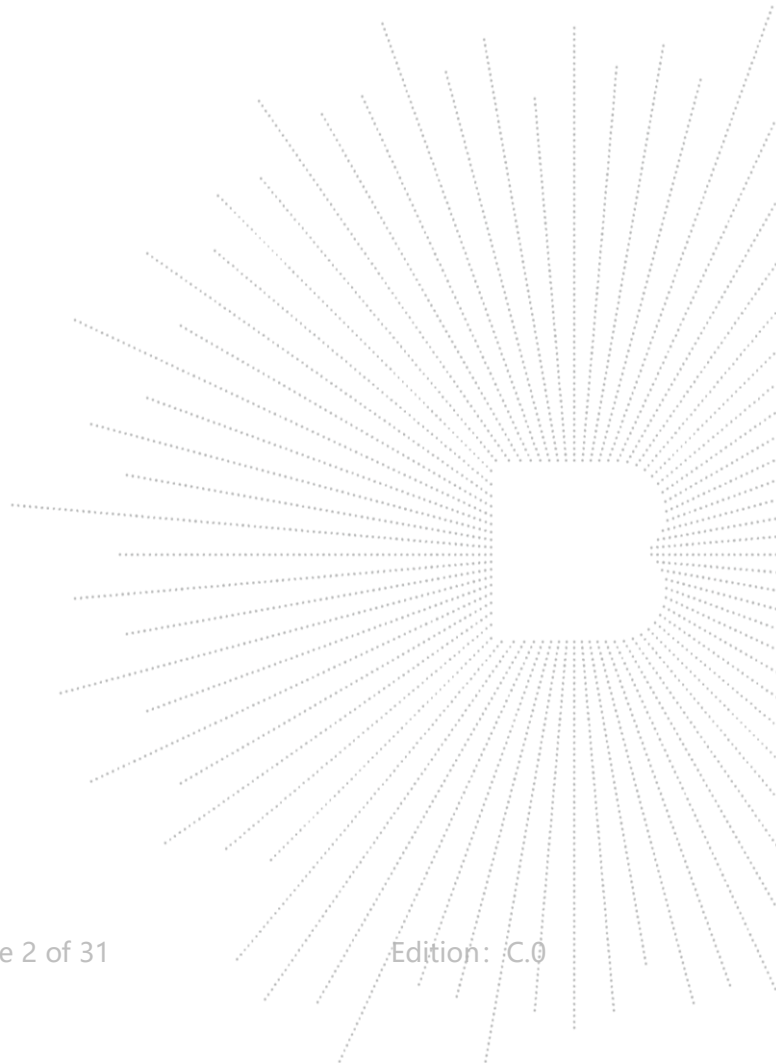
Test Model: PPMF-2067

Tested Date: 2025-04-27 to 2025-08-26

Shenzhen BCTC Testing Co., Ltd.

Contents

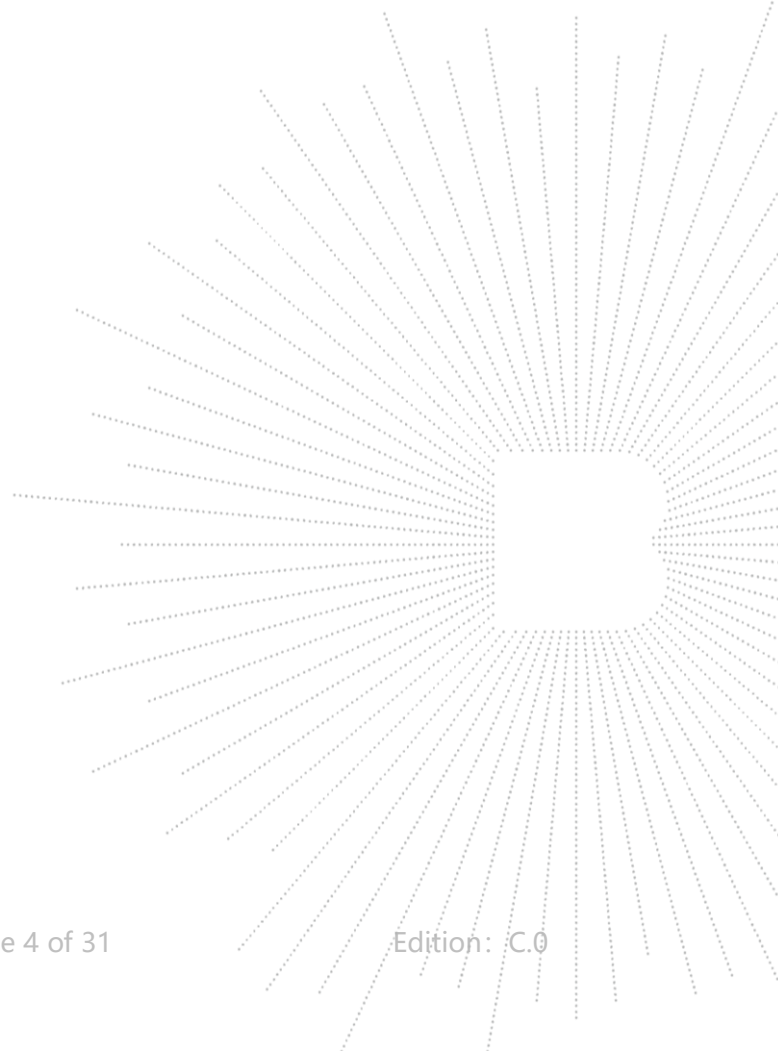
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Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
NVNT	Band13	5	23205	1	#0	QPSK	25.08	-1.92	21.01	PASS
NVNT	Band13	5	23205	1	#Mid	QPSK	25.02	-1.92	20.95	PASS
NVNT	Band13	5	23205	1	#Max	QPSK	24.98	-1.92	20.91	PASS
NVNT	Band13	5	23205	12	#0	QPSK	23.92	-1.92	19.85	PASS
NVNT	Band13	5	23205	12	#Mid	QPSK	23.94	-1.92	19.87	PASS
NVNT	Band13	5	23205	12	#Max	QPSK	23.88	-1.92	19.81	PASS
NVNT	Band13	5	23205	25	#0	QPSK	23.96	-1.92	19.89	PASS
NVNT	Band13	5	23205	1	#0	16QAM	23.83	-1.92	19.76	PASS
NVNT	Band13	5	23205	1	#Mid	16QAM	23.73	-1.92	19.66	PASS
NVNT	Band13	5	23205	1	#Max	16QAM	23.74	-1.92	19.67	PASS
NVNT	Band13	5	23205	12	#0	16QAM	22.80	-1.92	18.73	PASS
NVNT	Band13	5	23205	12	#Mid	16QAM	22.81	-1.92	18.74	PASS
NVNT	Band13	5	23205	12	#Max	16QAM	22.81	-1.92	18.74	PASS
NVNT	Band13	5	23205	25	#0	16QAM	22.92	-1.92	18.85	PASS
NVNT	Band13	5	23230	1	#0	QPSK	24.70	-1.92	20.63	PASS
NVNT	Band13	5	23230	1	#Mid	QPSK	24.61	-1.92	20.54	PASS
NVNT	Band13	5	23230	1	#Max	QPSK	24.62	-1.92	20.55	PASS
NVNT	Band13	5	23230	12	#0	QPSK	23.94	-1.92	19.87	PASS
NVNT	Band13	5	23230	12	#Mid	QPSK	23.88	-1.92	19.81	PASS
NVNT	Band13	5	23230	12	#Max	QPSK	23.98	-1.92	19.91	PASS
NVNT	Band13	5	23230	25	#0	QPSK	23.81	-1.92	19.74	PASS
NVNT	Band13	5	23230	1	#0	16QAM	24.51	-1.92	20.44	PASS
NVNT	Band13	5	23230	1	#Mid	16QAM	24.42	-1.92	20.35	PASS
NVNT	Band13	5	23230	1	#Max	16QAM	24.34	-1.92	20.27	PASS
NVNT	Band13	5	23230	12	#0	16QAM	22.91	-1.92	18.84	PASS
NVNT	Band13	5	23230	12	#Mid	16QAM	22.88	-1.92	18.81	PASS
NVNT	Band13	5	23230	12	#Max	16QAM	22.92	-1.92	18.85	PASS
NVNT	Band13	5	23230	25	#0	16QAM	22.93	-1.92	18.86	PASS
NVNT	Band13	5	23255	1	#0	QPSK	24.70	-1.92	20.63	PASS
NVNT	Band13	5	23255	1	#Mid	QPSK	24.77	-1.92	20.70	PASS
NVNT	Band13	5	23255	1	#Max	QPSK	24.74	-1.92	20.67	PASS
NVNT	Band13	5	23255	12	#0	QPSK	23.98	-1.92	19.91	PASS
NVNT	Band13	5	23255	12	#Mid	QPSK	23.78	-1.92	19.71	PASS
NVNT	Band13	5	23255	12	#Max	QPSK	23.94	-1.92	19.87	PASS
NVNT	Band13	5	23255	25	#0	QPSK	23.78	-1.92	19.71	PASS

NVNT	Band13	5	23255	1	#0	16QAM	24.17	-1.92	20.10	PASS
NVNT	Band13	5	23255	1	#Mid	16QAM	24.05	-1.92	19.98	PASS
NVNT	Band13	5	23255	1	#Max	16QAM	24.07	-1.92	20.00	PASS
NVNT	Band13	5	23255	12	#0	16QAM	22.73	-1.92	18.66	PASS
NVNT	Band13	5	23255	12	#Mid	16QAM	22.80	-1.92	18.73	PASS
NVNT	Band13	5	23255	12	#Max	16QAM	22.66	-1.92	18.59	PASS
NVNT	Band13	5	23255	25	#0	16QAM	22.89	-1.92	18.82	PASS
NVNT	Band13	10	23230	1	#0	QPSK	24.90	-1.92	20.83	PASS
NVNT	Band13	10	23230	1	#Mid	QPSK	24.80	-1.92	20.73	PASS
NVNT	Band13	10	23230	1	#Max	QPSK	24.73	-1.92	20.66	PASS
NVNT	Band13	10	23230	25	#0	QPSK	23.93	-1.92	19.86	PASS
NVNT	Band13	10	23230	25	#Mid	QPSK	23.80	-1.92	19.73	PASS
NVNT	Band13	10	23230	25	#Max	QPSK	23.87	-1.92	19.80	PASS
NVNT	Band13	10	23230	50	#0	QPSK	23.86	-1.92	19.79	PASS
NVNT	Band13	10	23230	1	#0	16QAM	24.92	-1.92	20.85	PASS
NVNT	Band13	10	23230	1	#Mid	16QAM	24.86	-1.92	20.79	PASS
NVNT	Band13	10	23230	1	#Max	16QAM	24.67	-1.92	20.60	PASS
NVNT	Band13	10	23230	25	#0	16QAM	22.89	-1.92	18.82	PASS
NVNT	Band13	10	23230	25	#Mid	16QAM	22.90	-1.92	18.83	PASS
NVNT	Band13	10	23230	25	#Max	16QAM	22.90	-1.92	18.83	PASS
NVNT	Band13	10	23230	50	#0	16QAM	22.95	-1.92	18.88	PASS



Appendix 2.Frequency stability

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band13	5	23205	25	#0	QPSK	LV	NT	26.68	0.034	PASS
NVNT	Band13	5	23205	25	#0	QPSK	NV	NT	2.85	0.004	PASS
NVNT	Band13	5	23205	25	#0	QPSK	HV	NT	-9.30	-0.012	PASS
NVNT	Band13	5	23205	25	#0	16QAM	LV	NT	-16.24	-0.021	PASS
NVNT	Band13	5	23205	25	#0	16QAM	NV	NT	-15.21	-0.020	PASS
NVNT	Band13	5	23205	25	#0	16QAM	HV	NT	-13.15	-0.017	PASS
NVNT	Band13	5	23230	25	#0	QPSK	LV	NT	15.01	0.019	PASS
NVNT	Band13	5	23230	25	#0	QPSK	NV	NT	12.23	0.016	PASS
NVNT	Band13	5	23230	25	#0	QPSK	HV	NT	11.16	0.014	PASS
NVNT	Band13	5	23230	25	#0	16QAM	LV	NT	9.57	0.012	PASS
NVNT	Band13	5	23230	25	#0	16QAM	NV	NT	9.94	0.013	PASS
NVNT	Band13	5	23230	25	#0	16QAM	HV	NT	13.22	0.017	PASS
NVNT	Band13	5	23255	25	#0	QPSK	LV	NT	14.98	0.019	PASS
NVNT	Band13	5	23255	25	#0	QPSK	NV	NT	14.46	0.018	PASS
NVNT	Band13	5	23255	25	#0	QPSK	HV	NT	7.42	0.009	PASS
NVNT	Band13	5	23255	25	#0	16QAM	LV	NT	4.91	0.006	PASS
NVNT	Band13	5	23255	25	#0	16QAM	NV	NT	6.92	0.009	PASS
NVNT	Band13	5	23255	25	#0	16QAM	HV	NT	10.00	0.013	PASS
NVNT	Band13	10	23230	50	#0	QPSK	LV	NT	29.21	0.037	PASS

NVNT	Band1 3	10	23230	50	#0	QPSK	NV	NT	-1.39	-0.002	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	HV	NT	-11.73	-0.015	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	LV	NT	-7.71	-0.010	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	NT	-3.23	-0.004	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	HV	NT	5.16	0.007	PASS

Conditio n	Band	Bandwidt h (MHz)	UL Channe l	RB Siz e	RB Positio n	Modulatio n	Voltag e (Vdc)	Temperatu e (C)	Resul t (Hz)	Resul t (ppm)	Verdic t
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	-30	-24.73	-0.032	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	-20	-24.16	-0.031	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	0	-10.00	-0.013	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	10	-30.34	-0.039	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	20	-37.57	-0.048	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	30	-39.07	-0.050	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	40	-38.82	-0.050	PASS
NVNT	Band1 3	5	23205	25	#0	QPSK	NV	50	-37.48	-0.048	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	-30	-36.03	-0.046	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	-20	-33.95	-0.044	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	0	-32.83	-0.042	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	10	-38.61	-0.050	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	20	-46.38	-0.059	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	30	-46.75	-0.060	PASS
NVNT	Band1 3	5	23205	25	#0	16QAM	NV	40	-1.49	-0.002	PASS

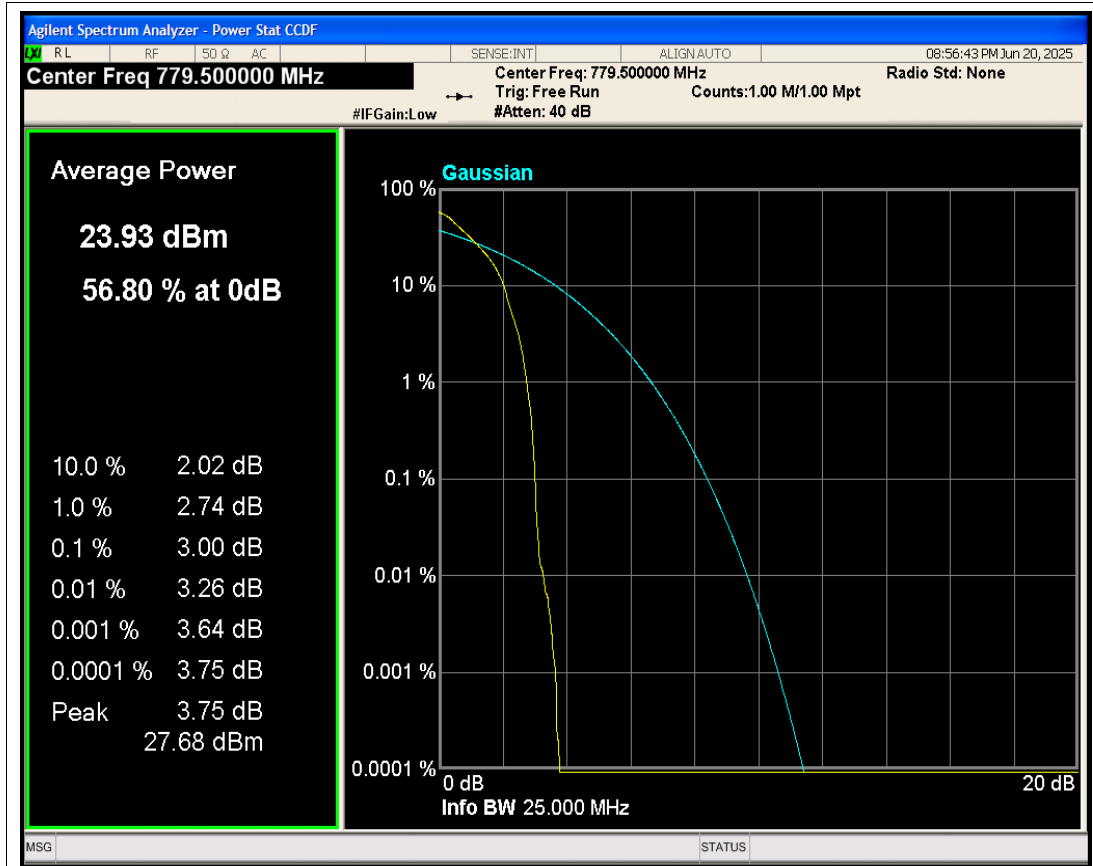
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NVNT	Band1 3	5	23205	25	#0	16QAM	NV	50	-6.27	-0.008	PASS
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NVNT	Band1 3	5	23230	25	#0	QPSK	NV	-20	-8.33	-0.011	PASS
NVNT	Band1 3	5	23230	25	#0	QPSK	NV	0	-16.35	-0.021	PASS
NVNT	Band1 3	5	23230	25	#0	QPSK	NV	10	-19.76	-0.025	PASS
NVNT	Band1 3	5	23230	25	#0	QPSK	NV	20	-19.24	-0.025	PASS
NVNT	Band1 3	5	23230	25	#0	QPSK	NV	30	-18.00	-0.023	PASS
NVNT	Band1 3	5	23230	25	#0	QPSK	NV	40	-14.88	-0.019	PASS
NVNT	Band1 3	5	23230	25	#0	QPSK	NV	50	-12.85	-0.016	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	-30	-10.40	-0.013	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	-20	-9.40	-0.012	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	0	-9.28	-0.012	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	10	-15.25	-0.020	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	20	-21.26	-0.027	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	30	-26.28	-0.034	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	40	-30.07	-0.038	PASS
NVNT	Band1 3	5	23230	25	#0	16QAM	NV	50	-34.03	-0.044	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	-30	12.86	0.016	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	-20	3.23	0.004	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	0	-6.61	-0.008	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	10	-13.09	-0.017	PASS

NVNT	Band1 3	5	23255	25	#0	QPSK	NV	20	-15.42	-0.020	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	30	-19.70	-0.025	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	40	-22.85	-0.029	PASS
NVNT	Band1 3	5	23255	25	#0	QPSK	NV	50	-23.26	-0.030	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	-30	-26.64	-0.034	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	-20	-29.25	-0.037	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	0	-33.13	-0.042	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	10	-34.76	-0.044	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	20	-36.54	-0.047	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	30	-41.69	-0.053	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	40	-46.94	-0.060	PASS
NVNT	Band1 3	5	23255	25	#0	16QAM	NV	50	-47.29	-0.060	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	-30	18.88	0.024	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	-20	-20.44	-0.026	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	0	-38.78	-0.050	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	10	-37.98	-0.049	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	20	-25.91	-0.033	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	30	-13.99	-0.018	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	40	-4.89	-0.006	PASS
NVNT	Band1 3	10	23230	50	#0	QPSK	NV	50	3.23	0.004	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	-30	10.57	0.014	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	-20	17.28	0.022	PASS

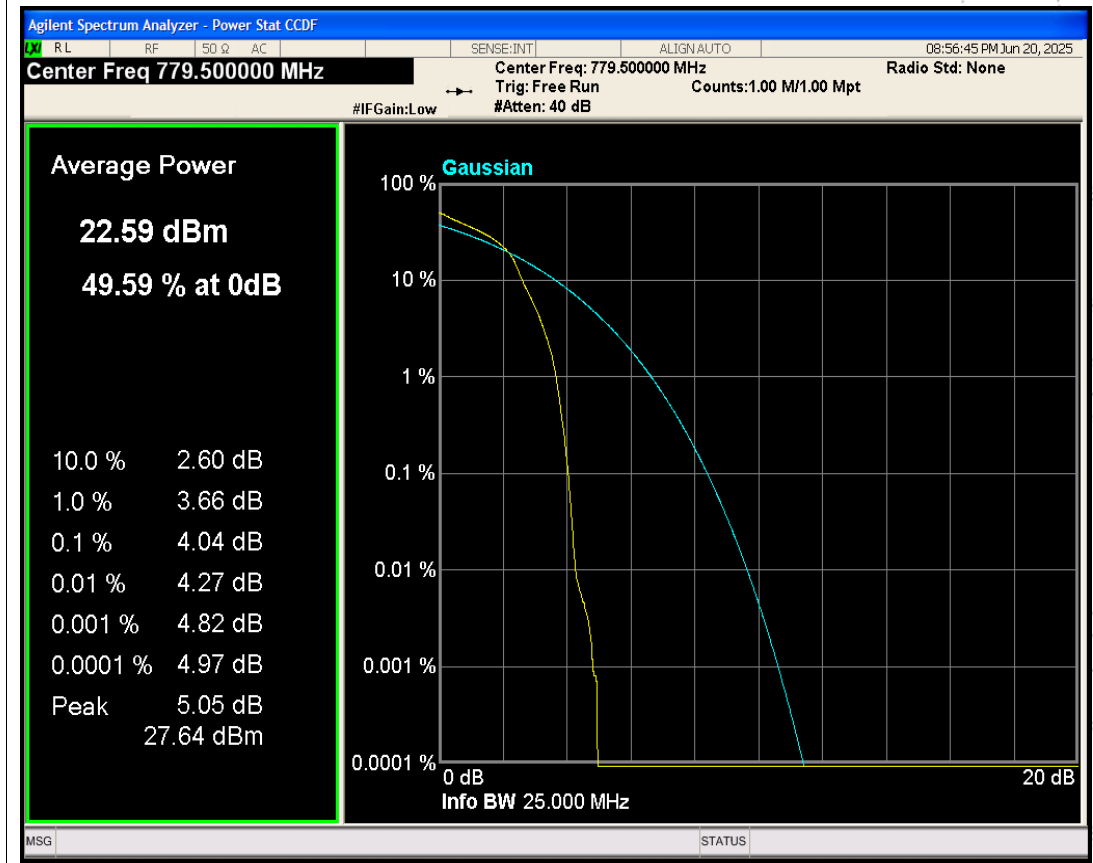
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NVNT	Band1 3	10	23230	50	#0	16QAM	NV	0	19.41	0.025	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	10	15.03	0.019	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	20	10.06	0.013	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	30	3.42	0.004	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	40	-2.70	-0.003	PASS
NVNT	Band1 3	10	23230	50	#0	16QAM	NV	50	-6.41	-0.008	PASS

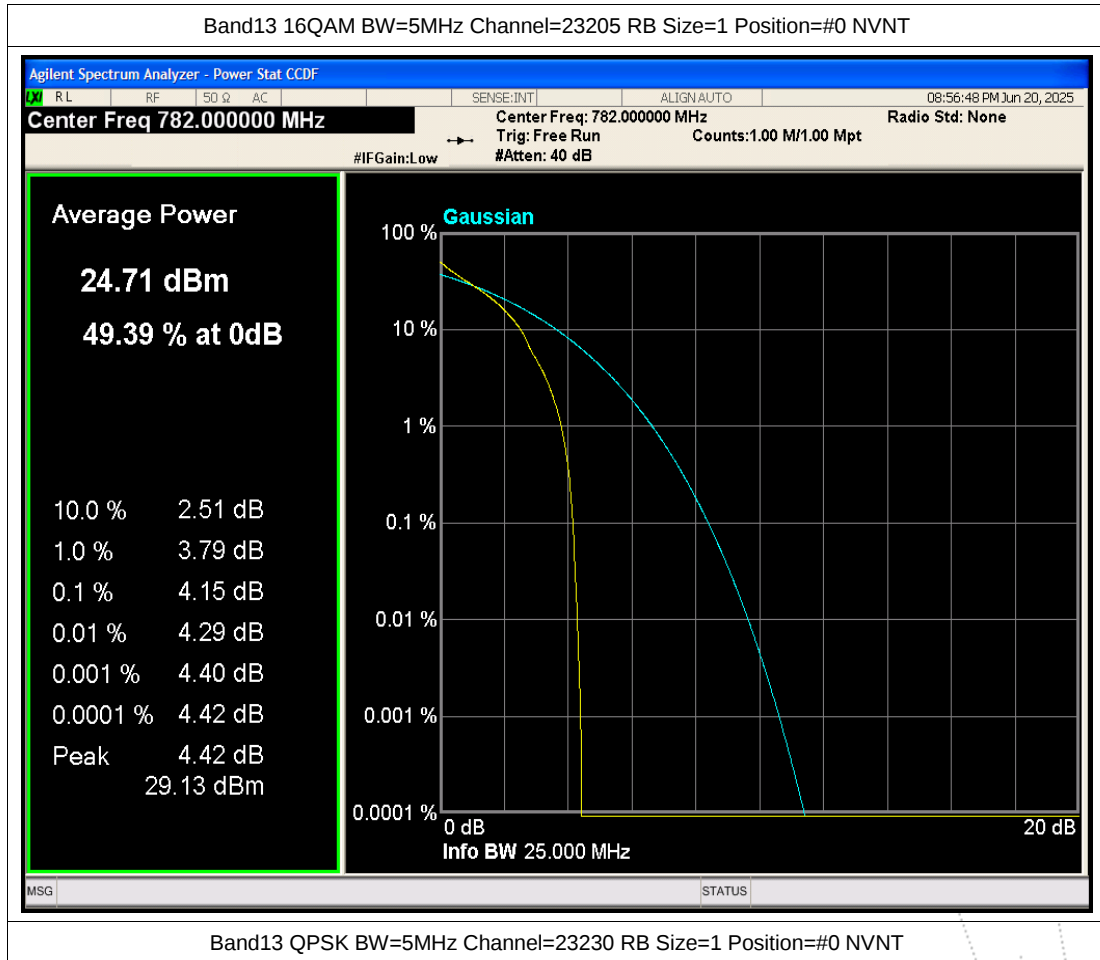
Appendix 3. Peak-to-Average Ratio

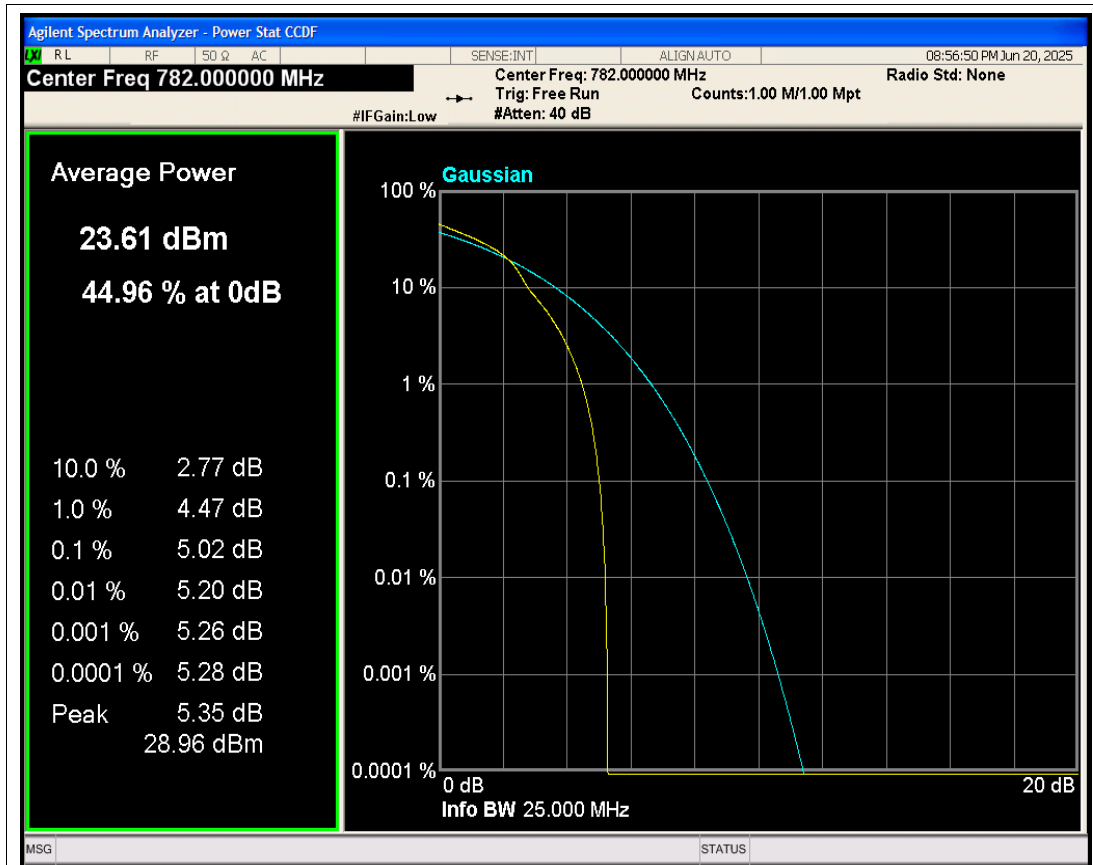
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band13	5	23205	1	#0	QPSK	3.00	13	PASS
NVNT	Band13	5	23205	1	#0	16QAM	4.04	13	PASS
NVNT	Band13	5	23230	1	#0	QPSK	4.15	13	PASS
NVNT	Band13	5	23230	1	#0	16QAM	5.02	13	PASS
NVNT	Band13	5	23255	1	#0	QPSK	3.01	13	PASS
NVNT	Band13	5	23255	1	#0	16QAM	3.94	13	PASS
NVNT	Band13	10	23230	1	#0	QPSK	3.02	13	PASS
NVNT	Band13	10	23230	1	#0	16QAM	3.81	13	PASS



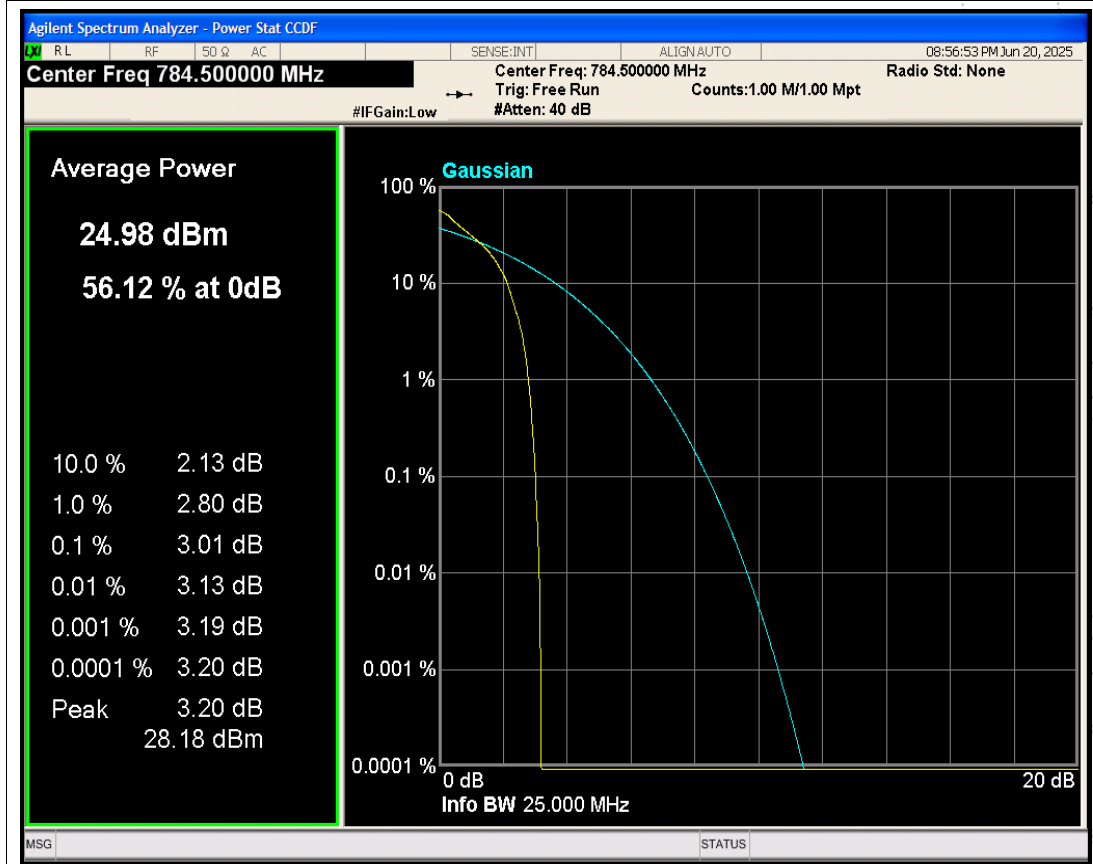
Band13 QPSK BW=5MHz Channel=23205 RB Size=1 Position=#0 NVNT

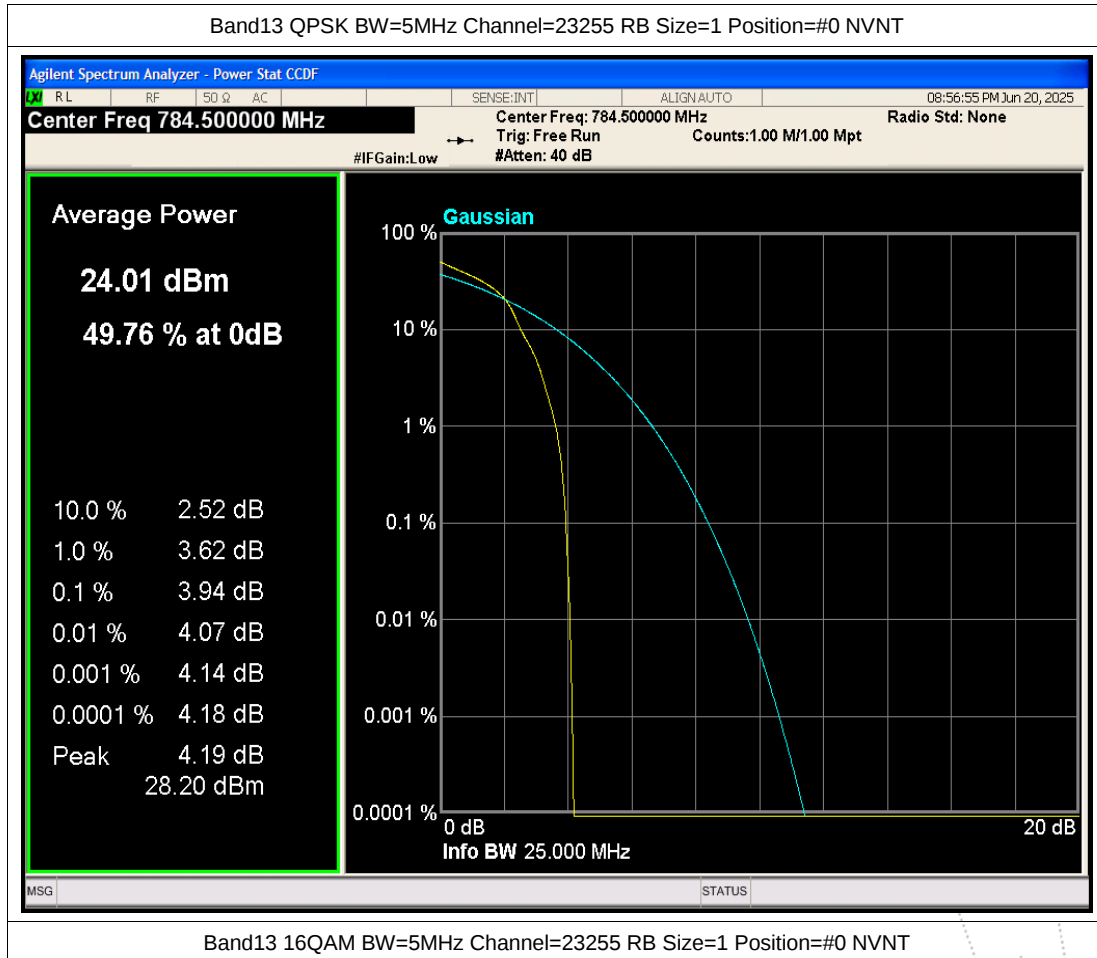


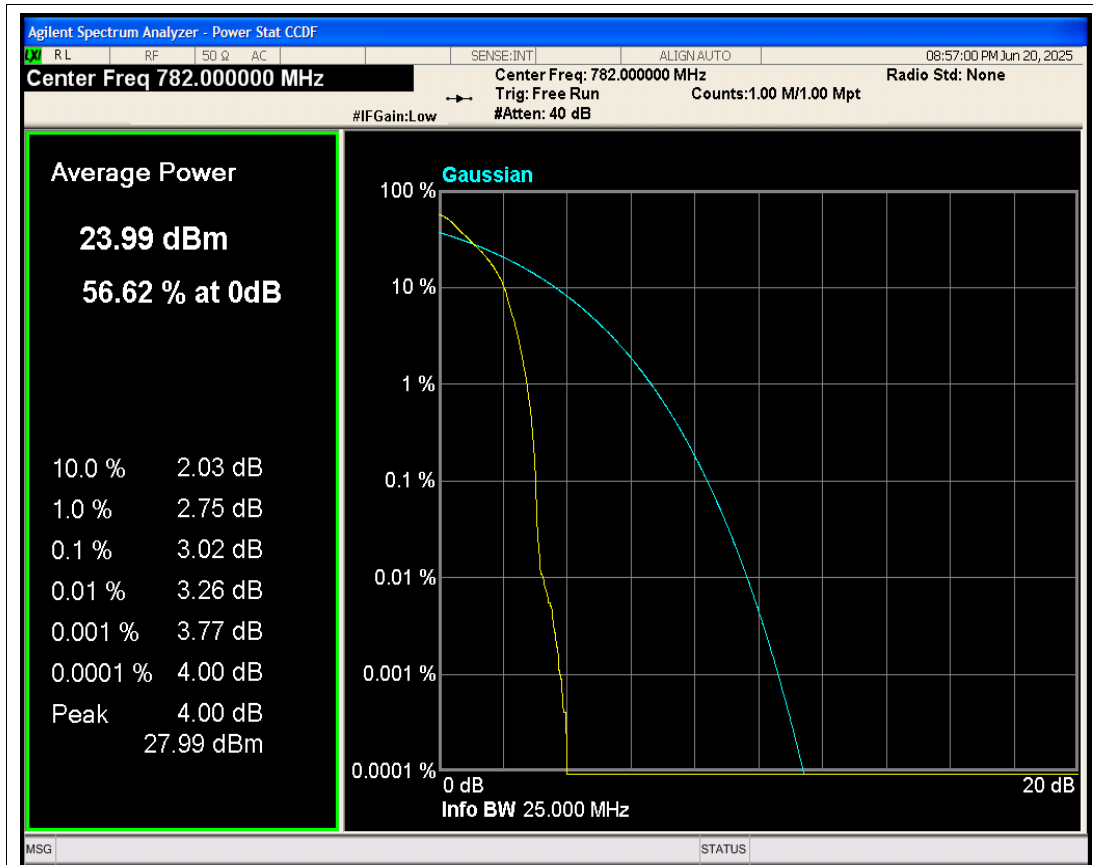




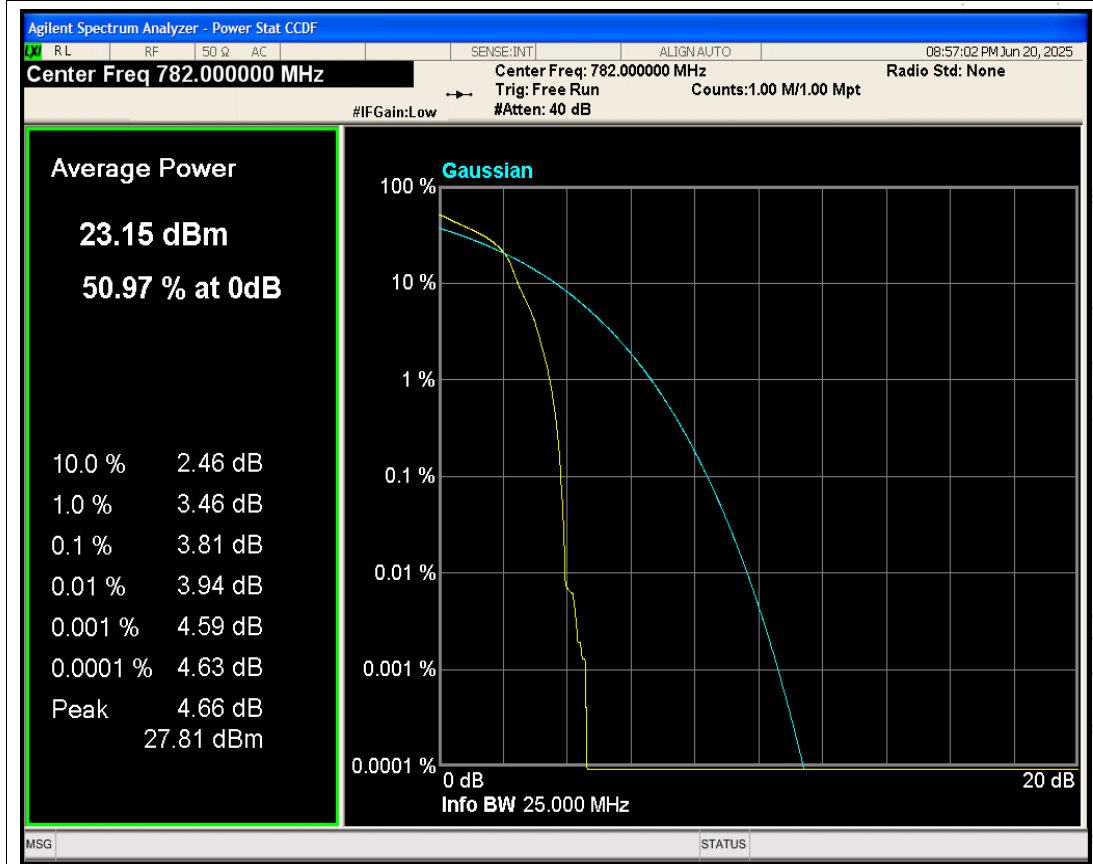
Band13 16QAM BW=5MHz Channel=23230 RB Size=1 Position=#0 NVNT







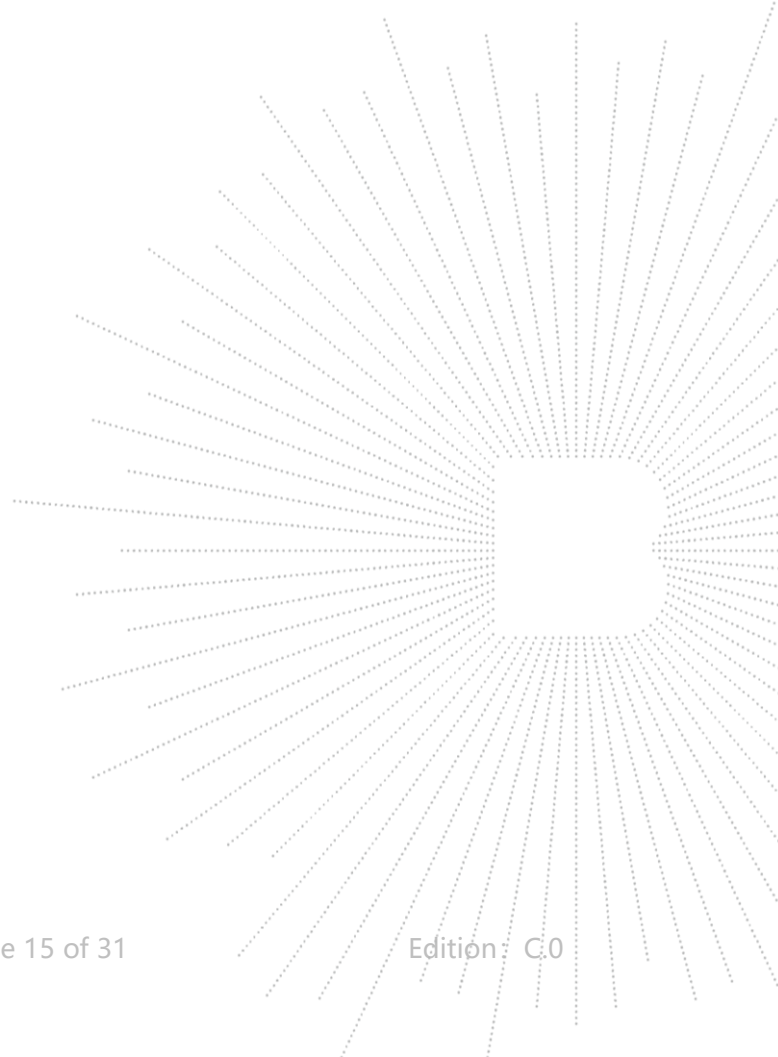
Band13 QPSK BW=10MHz Channel=23230 RB Size=1 Position=#0 NVNT

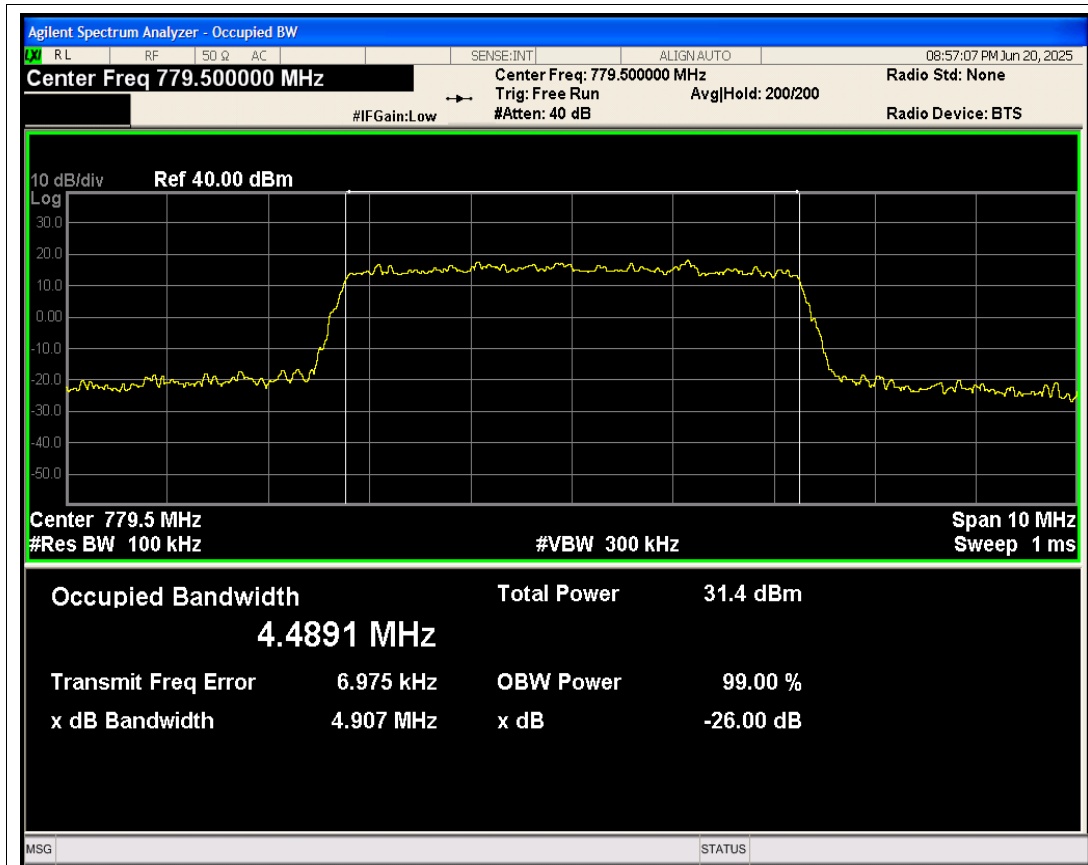


Band13 16QAM BW=10MHz Channel=23230 RB Size=1 Position=#0 NVNT

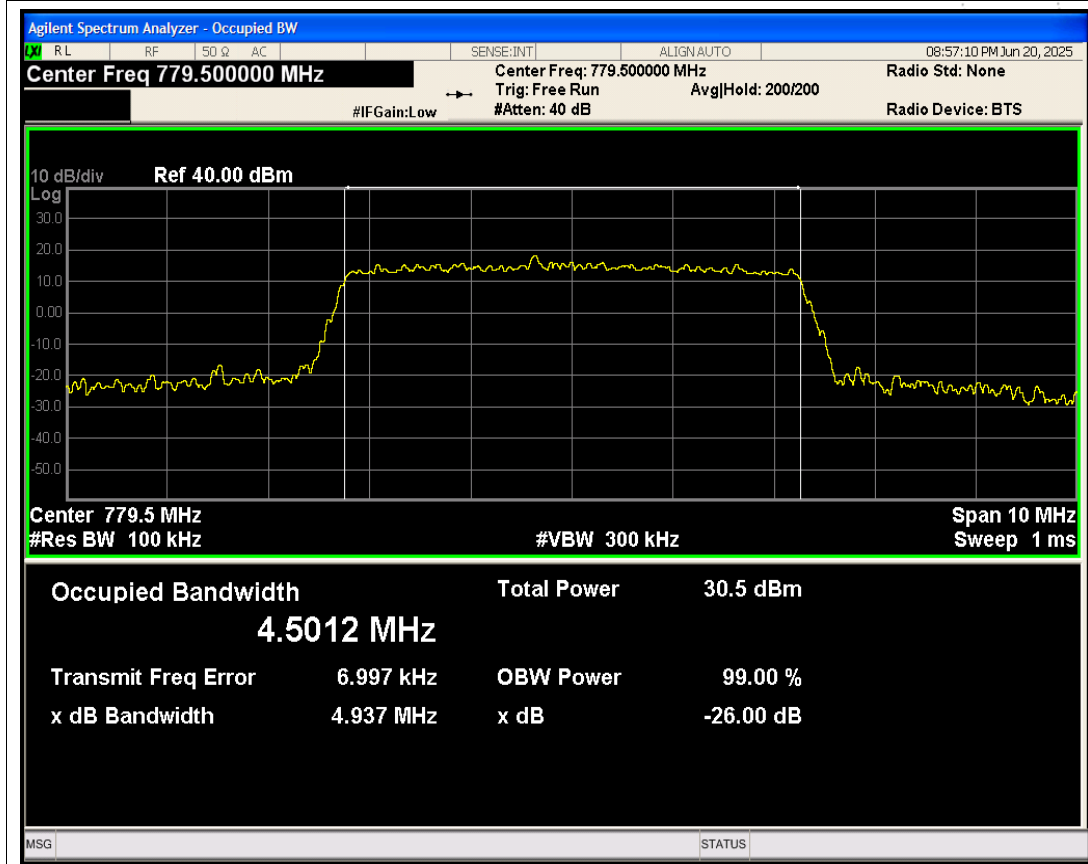
Appendix 4.Occupied bandwidth

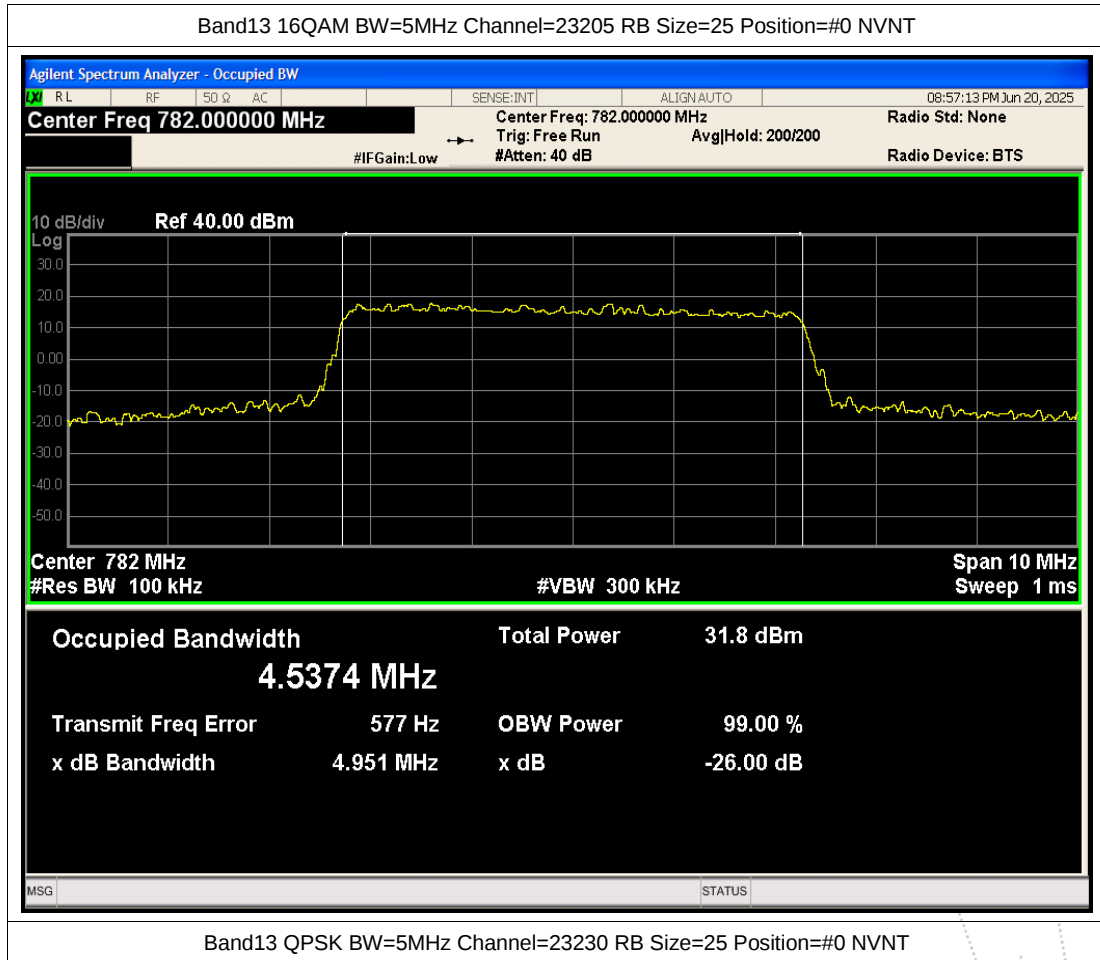
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band13	5	23205	25	#0	QPSK	4.489	4.907	PASS
NVNT	Band13	5	23205	25	#0	16QAM	4.501	4.937	PASS
NVNT	Band13	5	23230	25	#0	QPSK	4.537	4.951	PASS
NVNT	Band13	5	23230	25	#0	16QAM	4.522	4.974	PASS
NVNT	Band13	5	23255	25	#0	QPSK	4.624	8.784	PASS
NVNT	Band13	5	23255	25	#0	16QAM	4.612	9.395	PASS
NVNT	Band13	10	23230	50	#0	QPSK	9.033	10.221	PASS
NVNT	Band13	10	23230	50	#0	16QAM	9.029	9.838	PASS

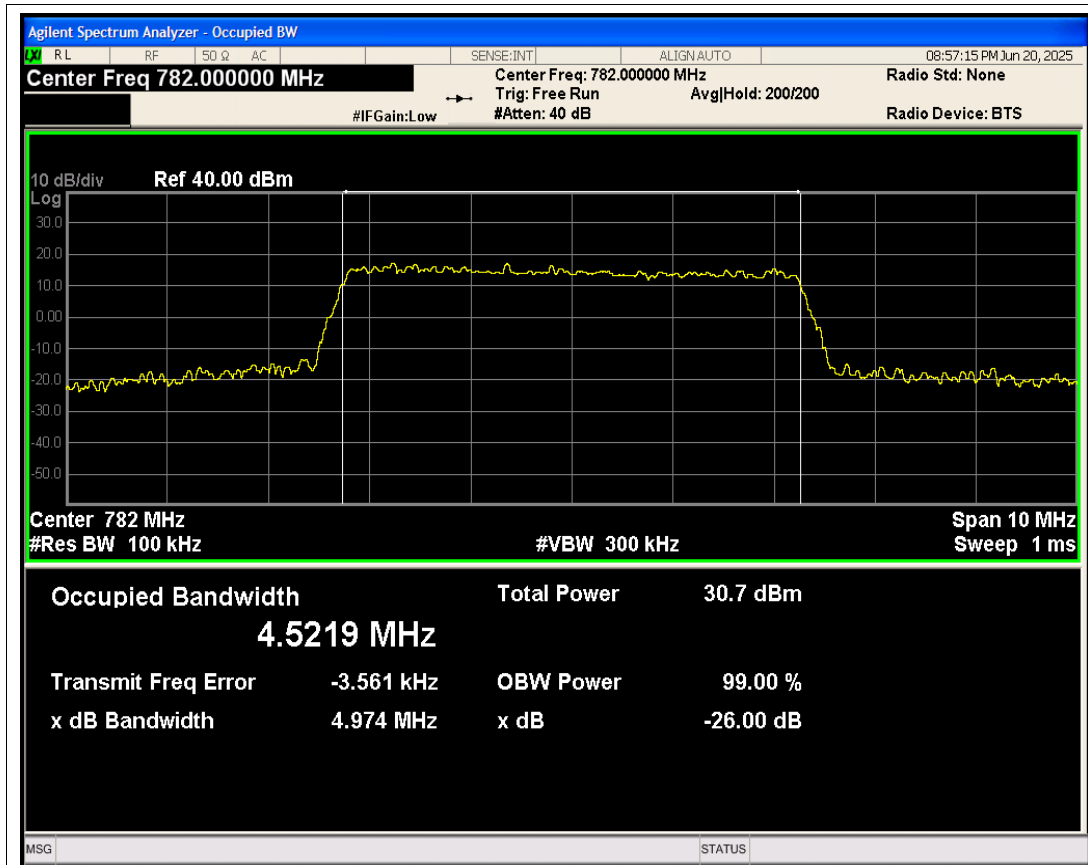




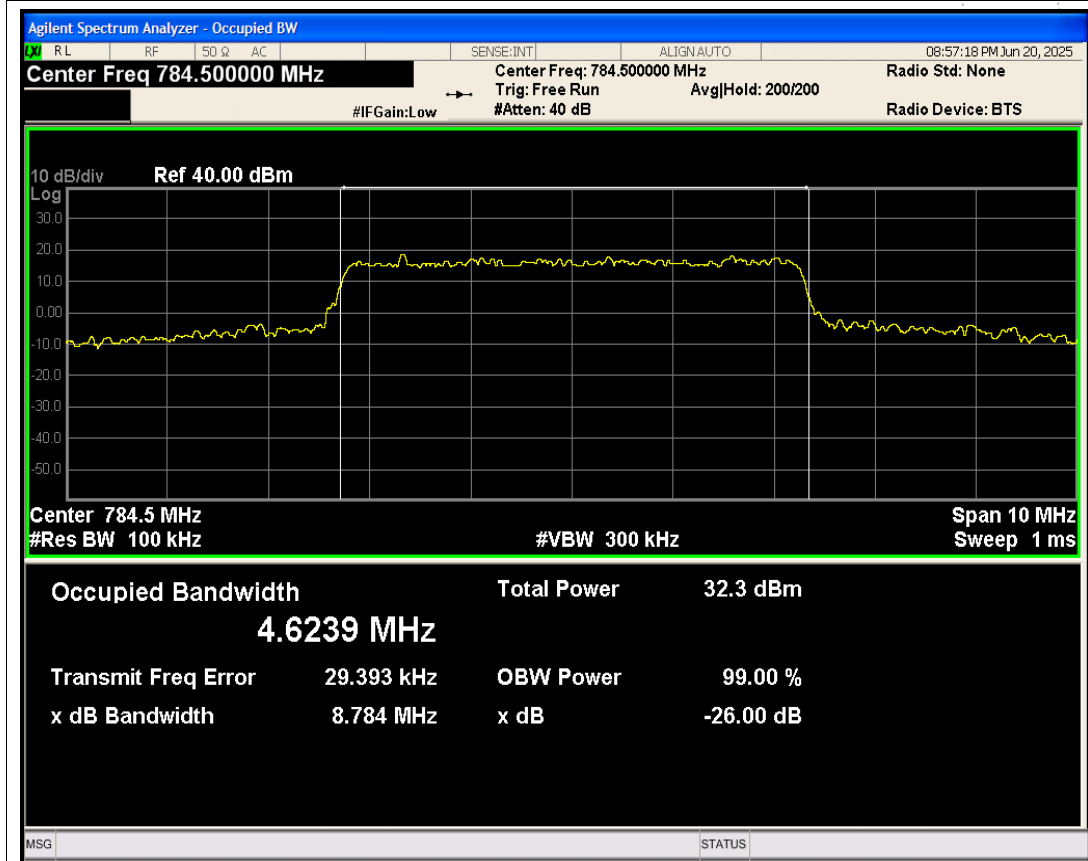
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0 NVNT

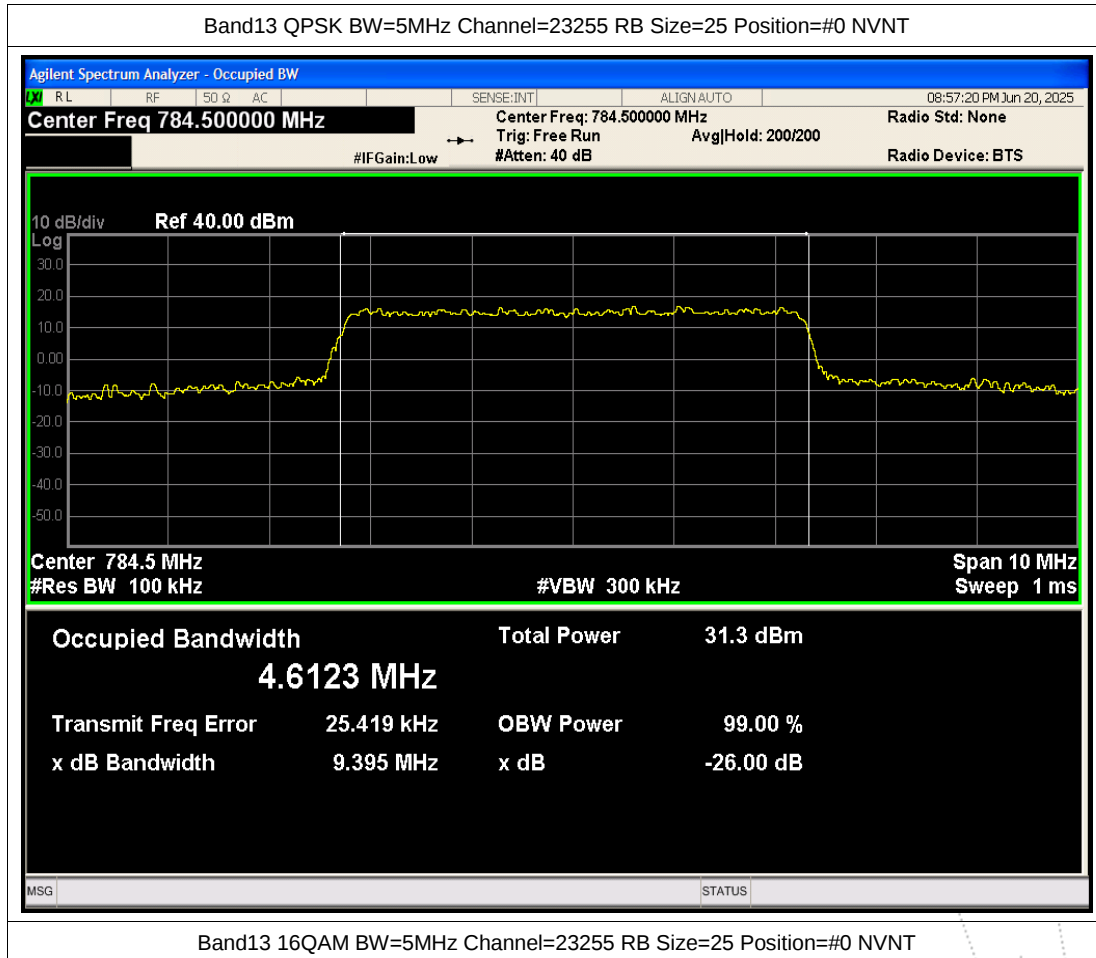


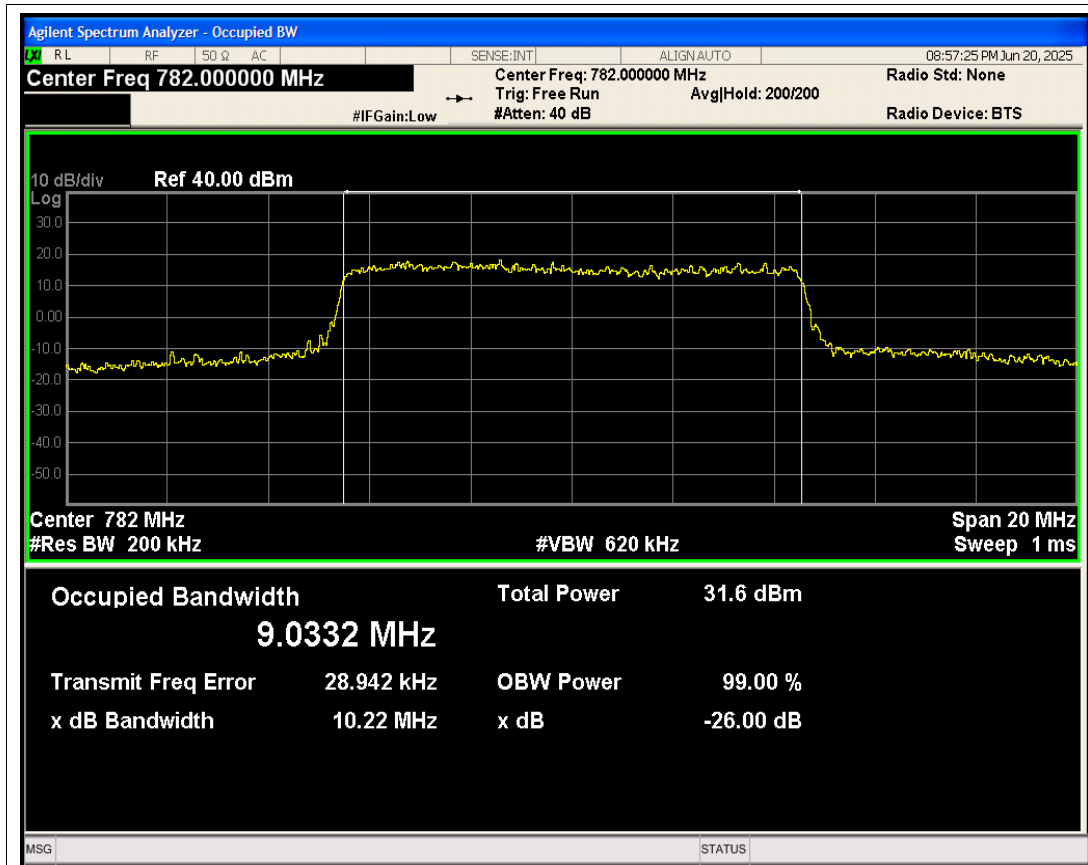




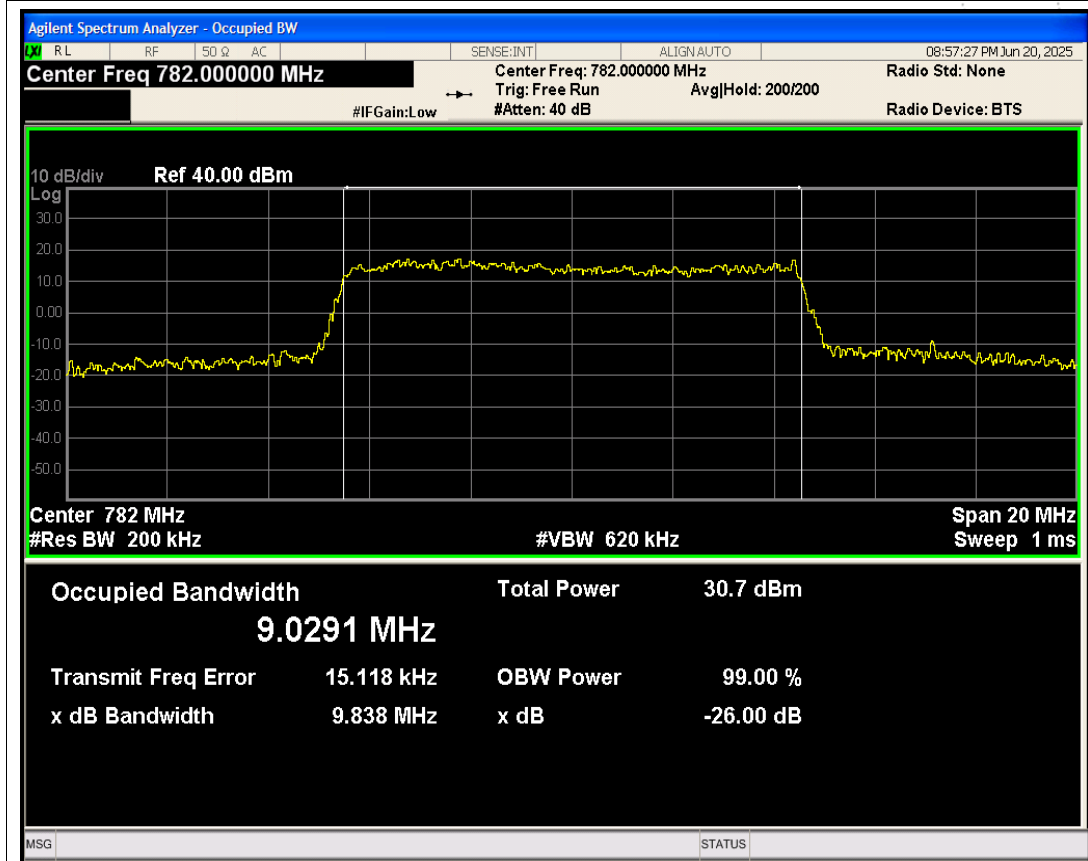
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0 NVNT





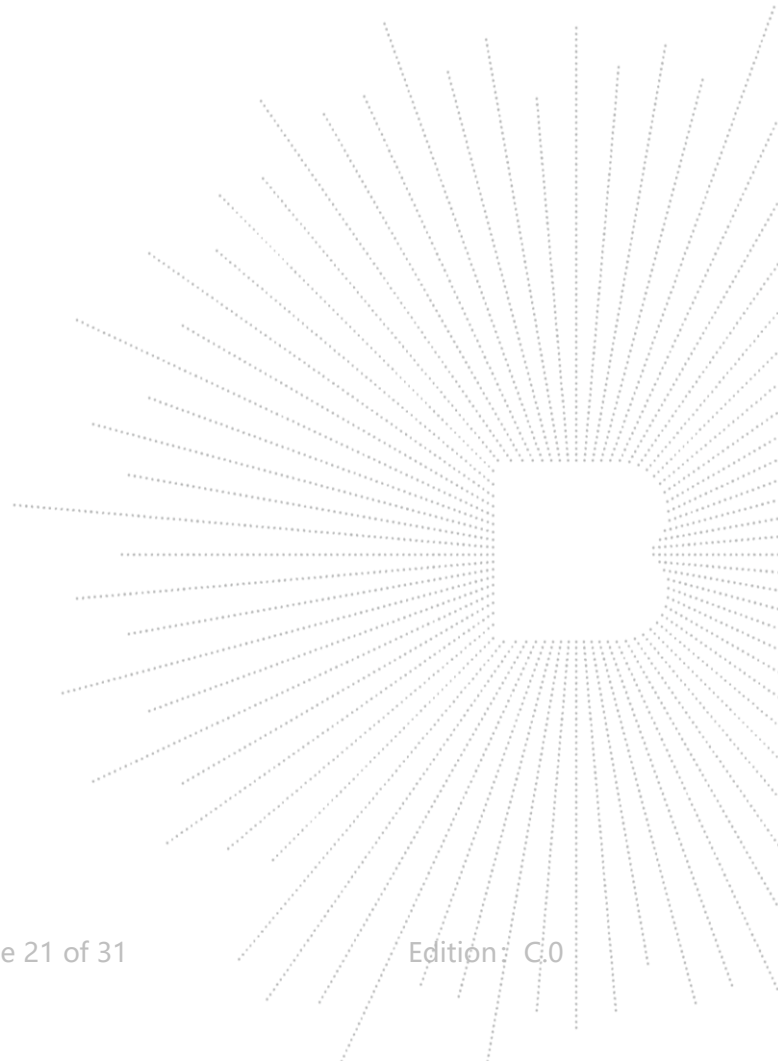


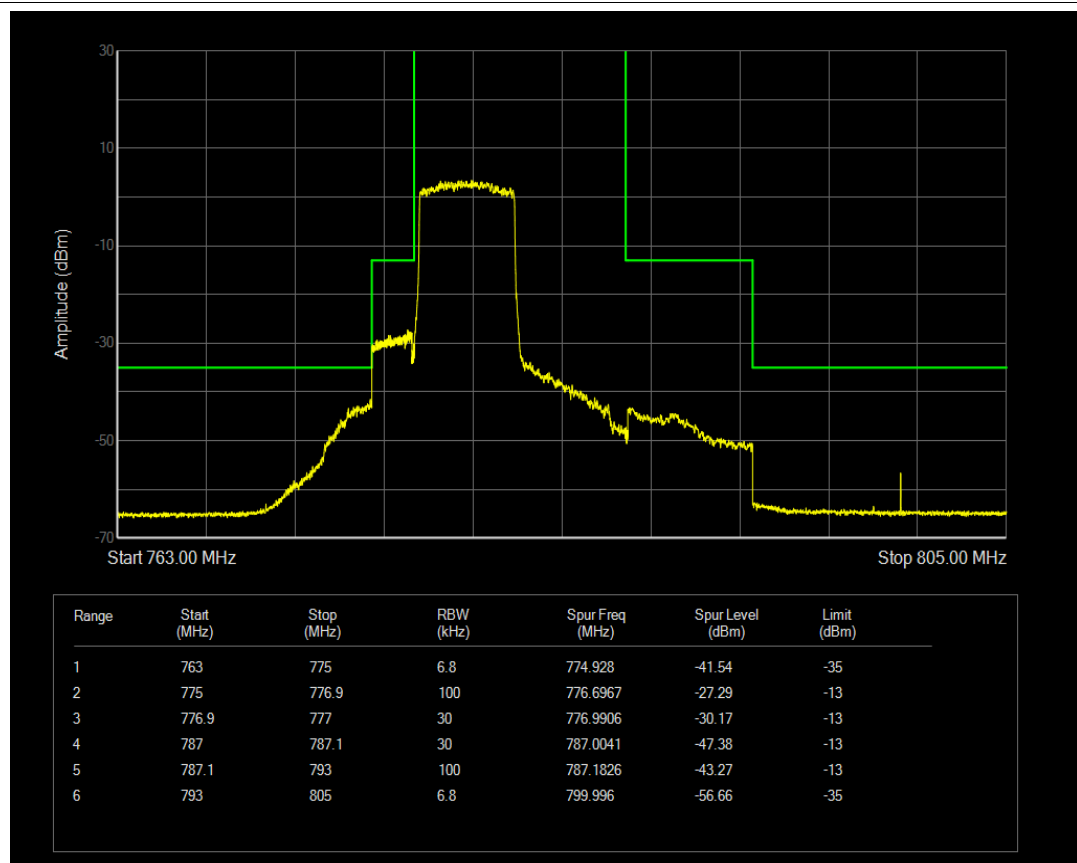
Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0 NVNT



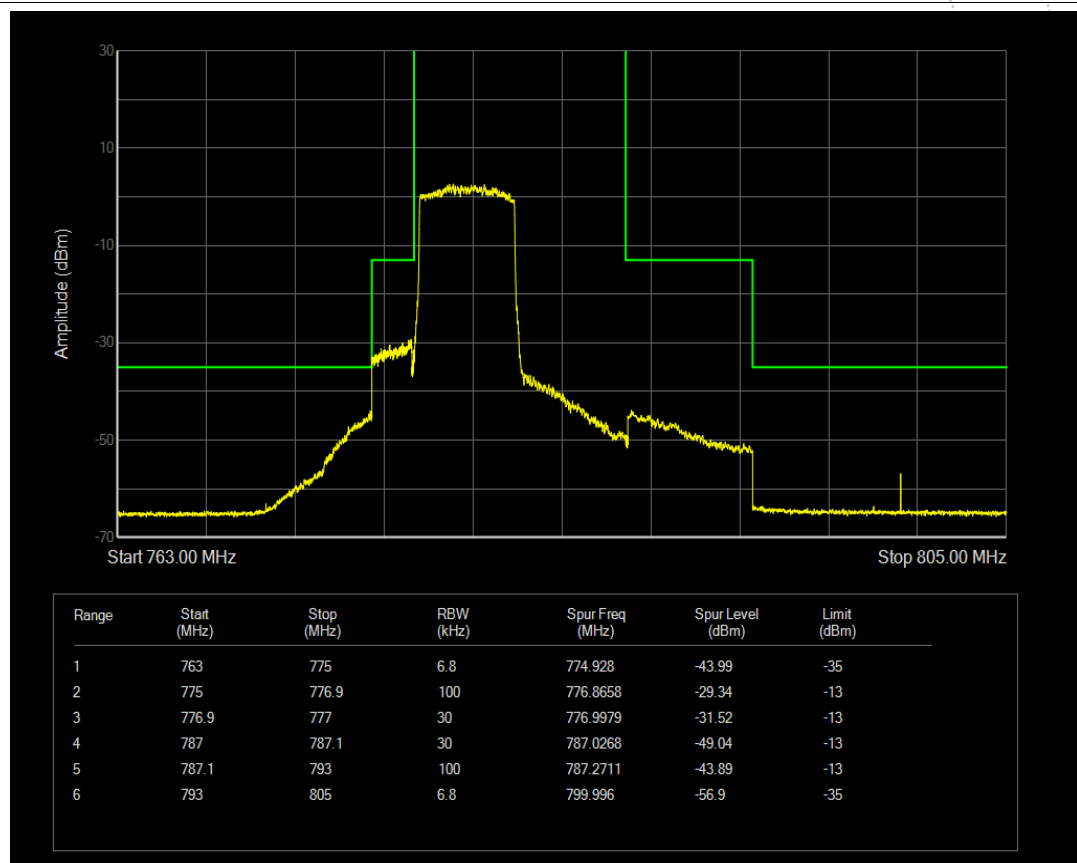
Appendix 5.Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band13	5	23205	25	#0	QPSK	774.93	-41.54	-35	PASS
NVNT	Band13	5	23205	25	#0	16QAM	774.93	-43.99	-35	PASS
NVNT	Band13	5	23255	25	#0	QPSK	787.32	-14.57	-13	PASS
NVNT	Band13	5	23255	25	#0	16QAM	787.32	-14.57	-13	PASS
NVNT	Band13	10	23230	50	#0	QPSK	774.29	-36.58	-35	PASS
NVNT	Band13	10	23230	50	#0	16QAM	774.76	-39.07	-35	PASS

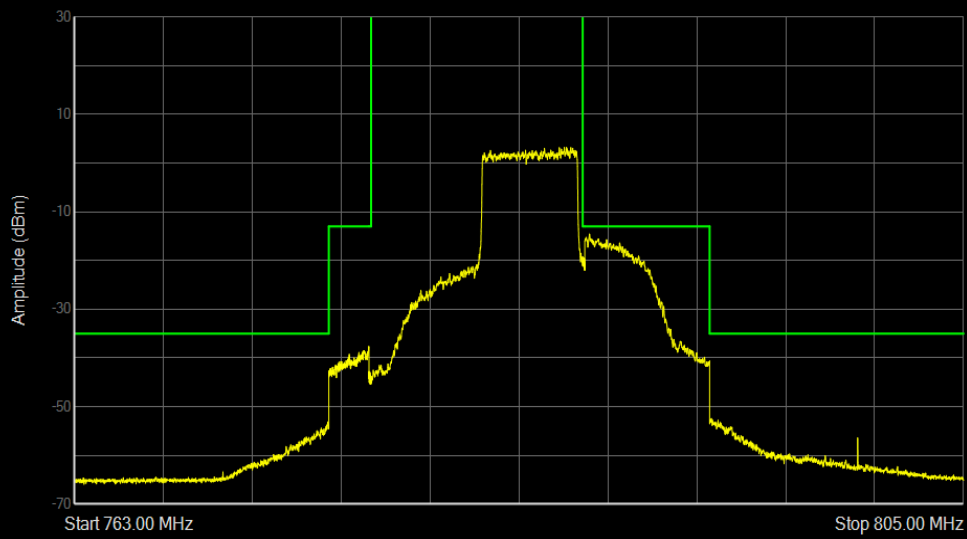




Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0 NVNT

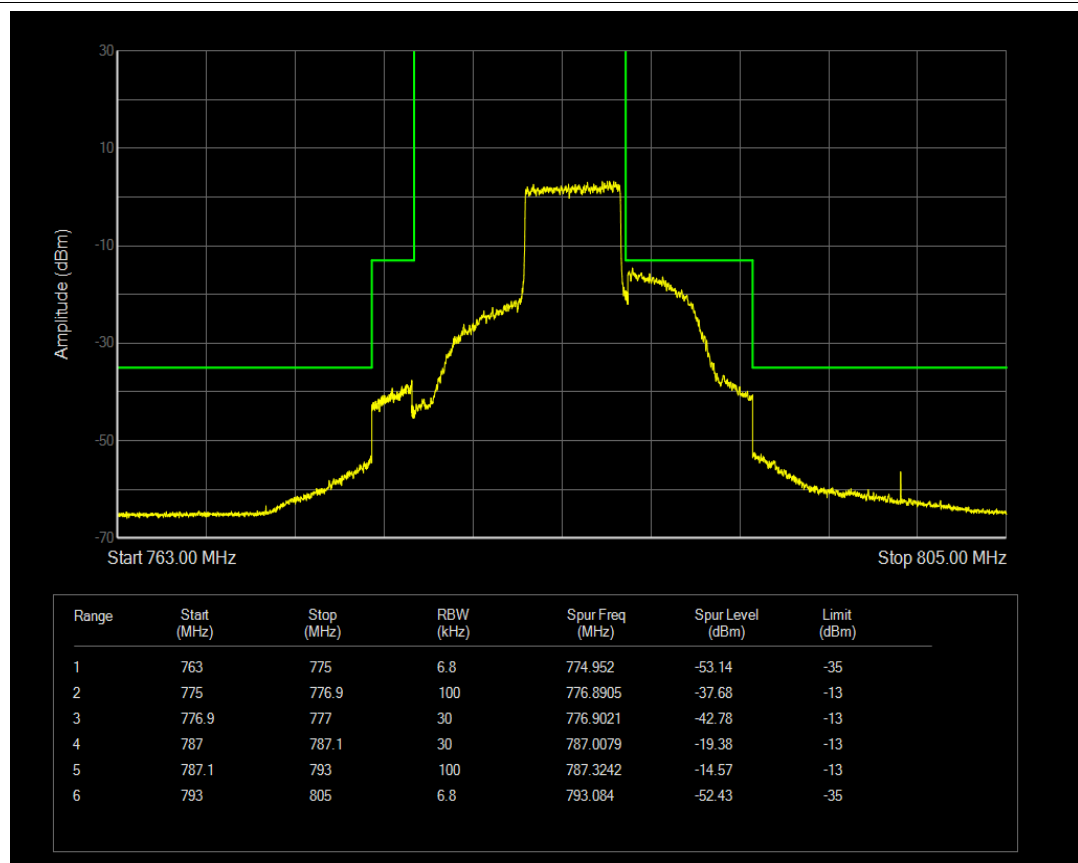


Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0 NVNT

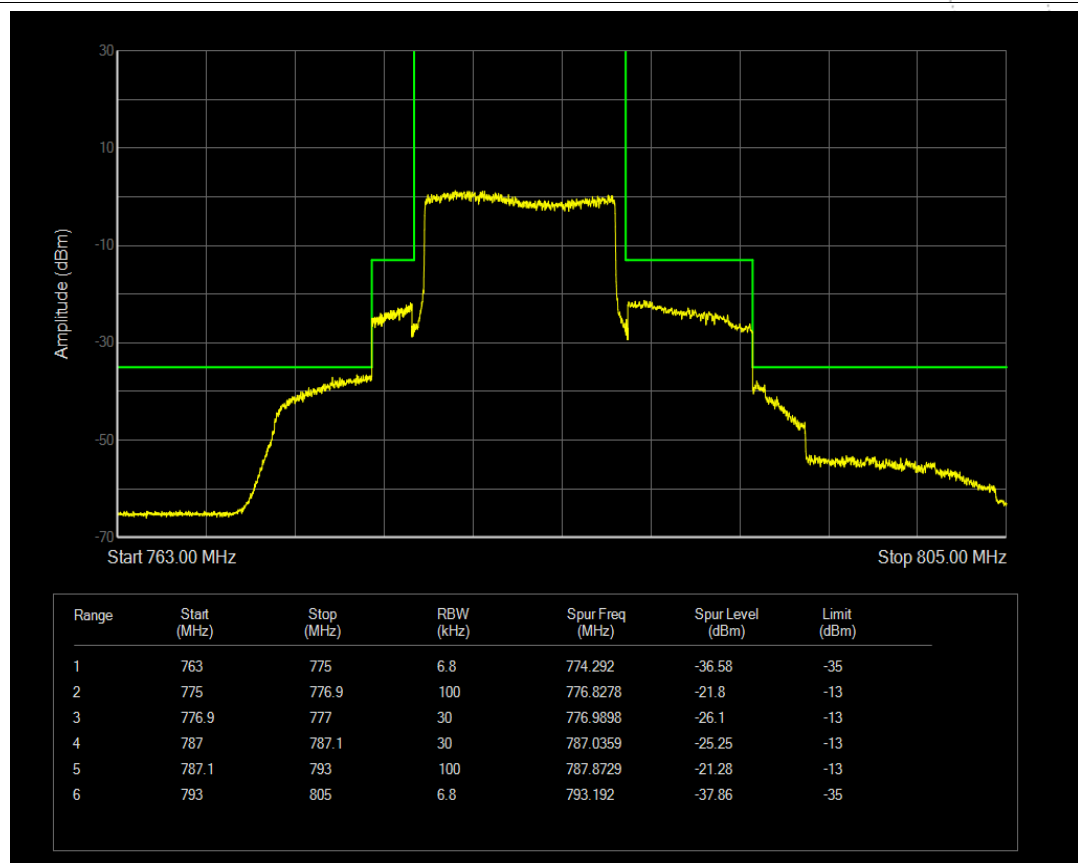


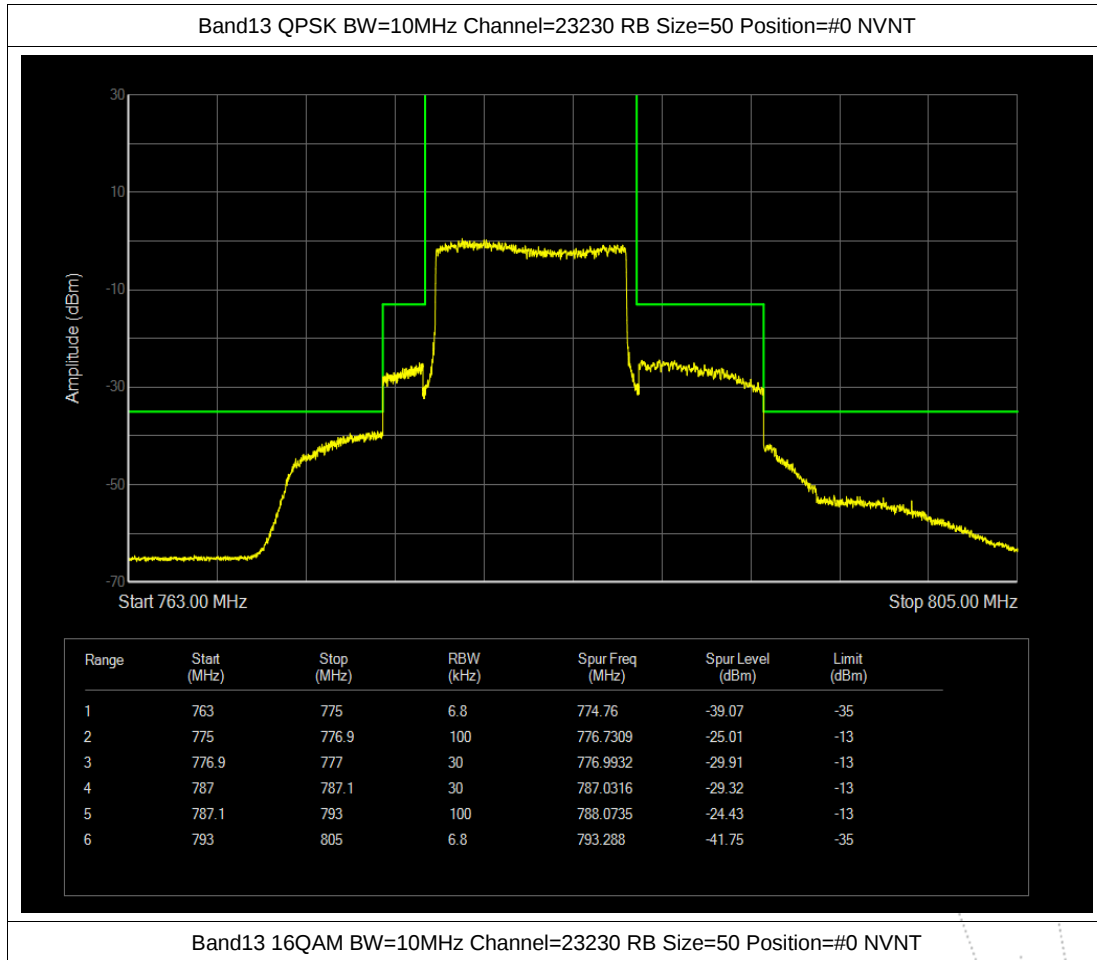
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	763	775	6.8	774.952	-53.14	-35
2	775	776.9	100	776.8905	-37.68	-13
3	776.9	777	30	776.9021	-42.78	-13
4	787	787.1	30	787.0079	-19.38	-13
5	787.1	793	100	787.3242	-14.57	-13
6	793	805	6.8	793.084	-52.43	-35

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



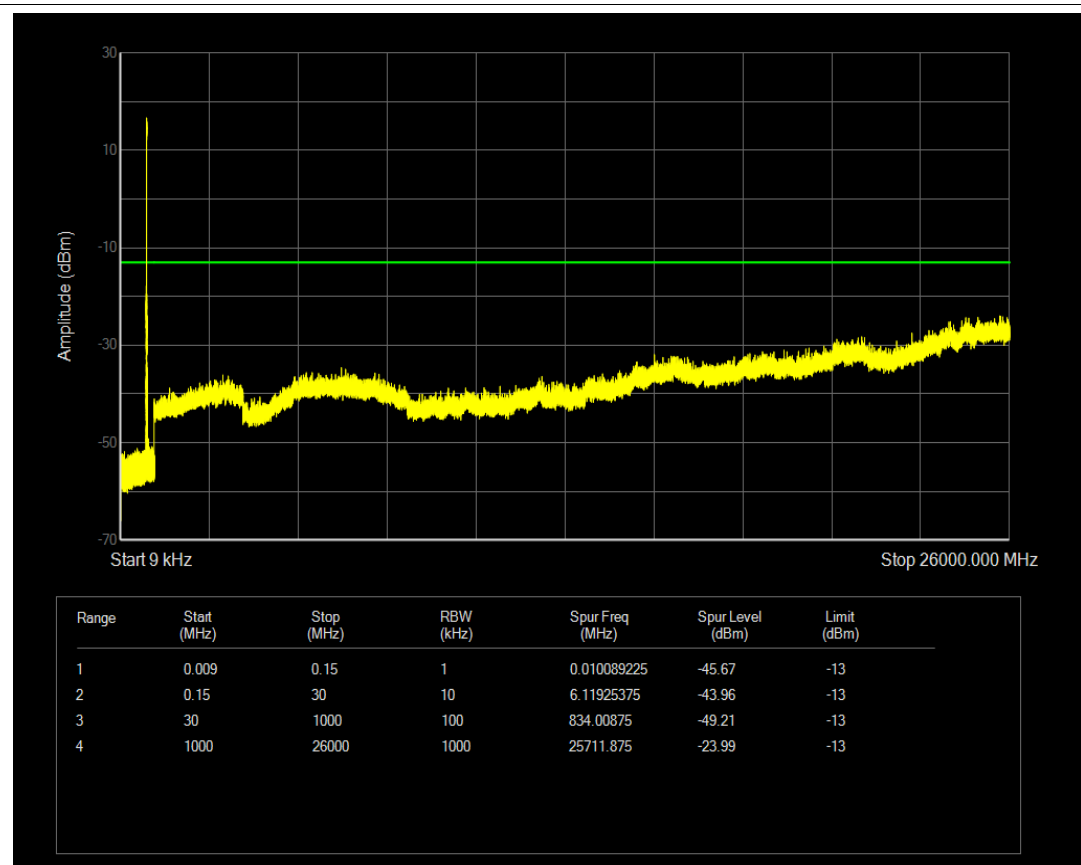
Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0 NVNT



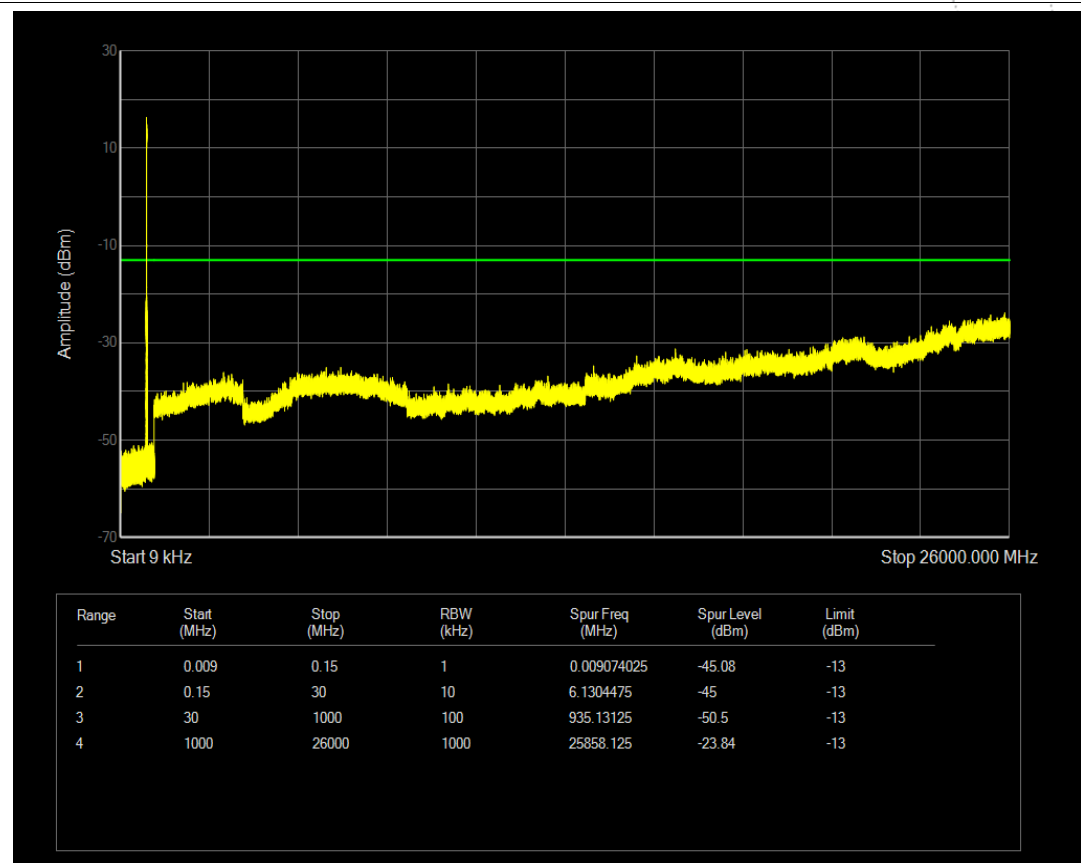


Appendix 6.Out-of-band emissions

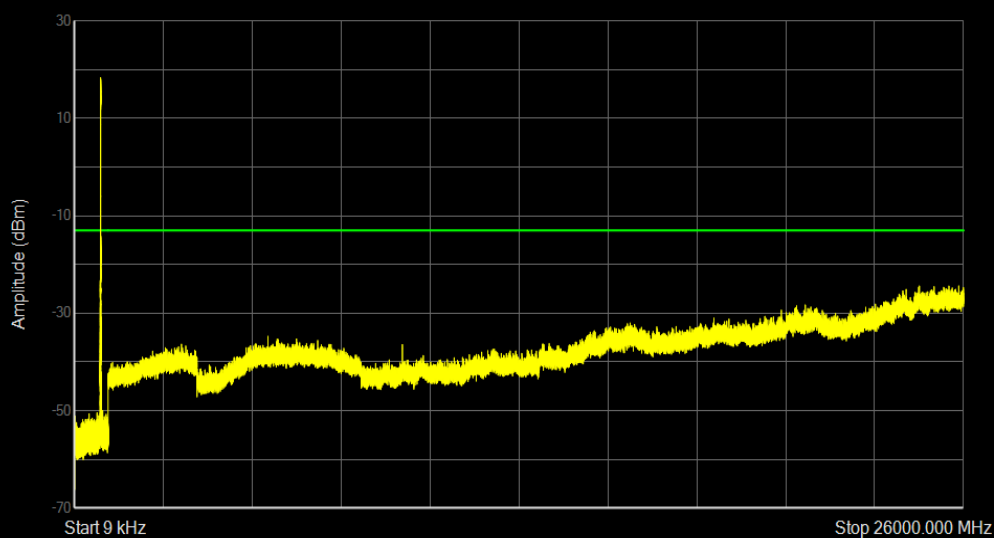
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band13	5	23205	25	#0	QPSK	25711.88	-23.99	-13	PASS
NVNT	Band13	5	23205	25	#0	16QAM	25858.13	-23.84	-13	PASS
NVNT	Band13	5	23230	25	#0	QPSK	25858.75	-24.40	-13	PASS
NVNT	Band13	5	23230	25	#0	16QAM	24691.88	-24.16	-13	PASS
NVNT	Band13	5	23255	25	#0	QPSK	25493.13	-23.68	-13	PASS
NVNT	Band13	5	23255	25	#0	16QAM	24290.63	-23.89	-13	PASS
NVNT	Band13	10	23230	50	#0	QPSK	25758.13	-24.01	-13	PASS
NVNT	Band13	10	23230	50	#0	16QAM	25378.13	-23.39	-13	PASS



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

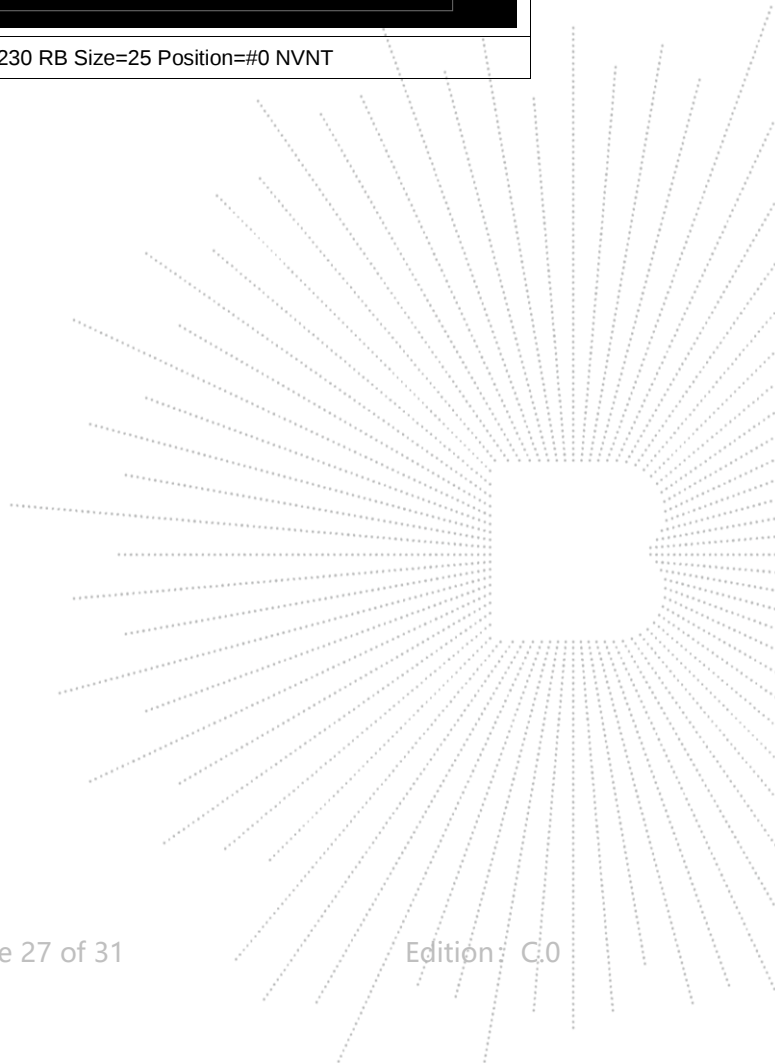


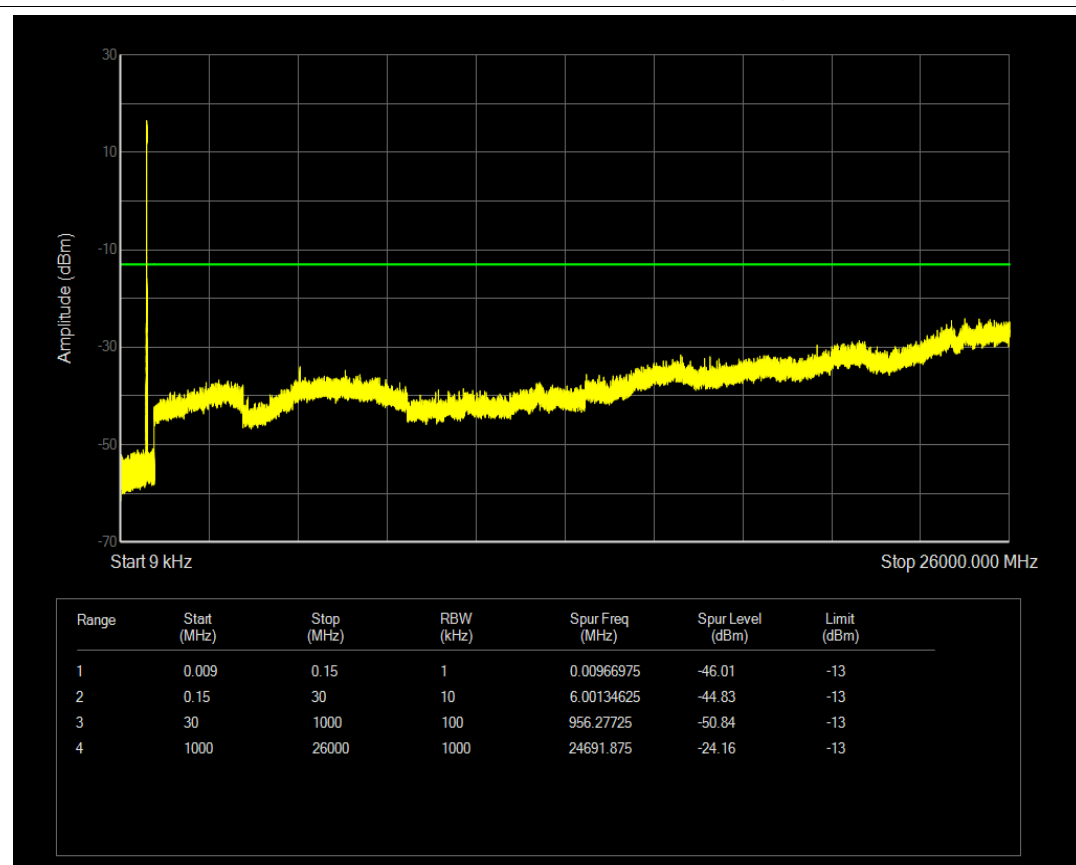
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0 NVNT



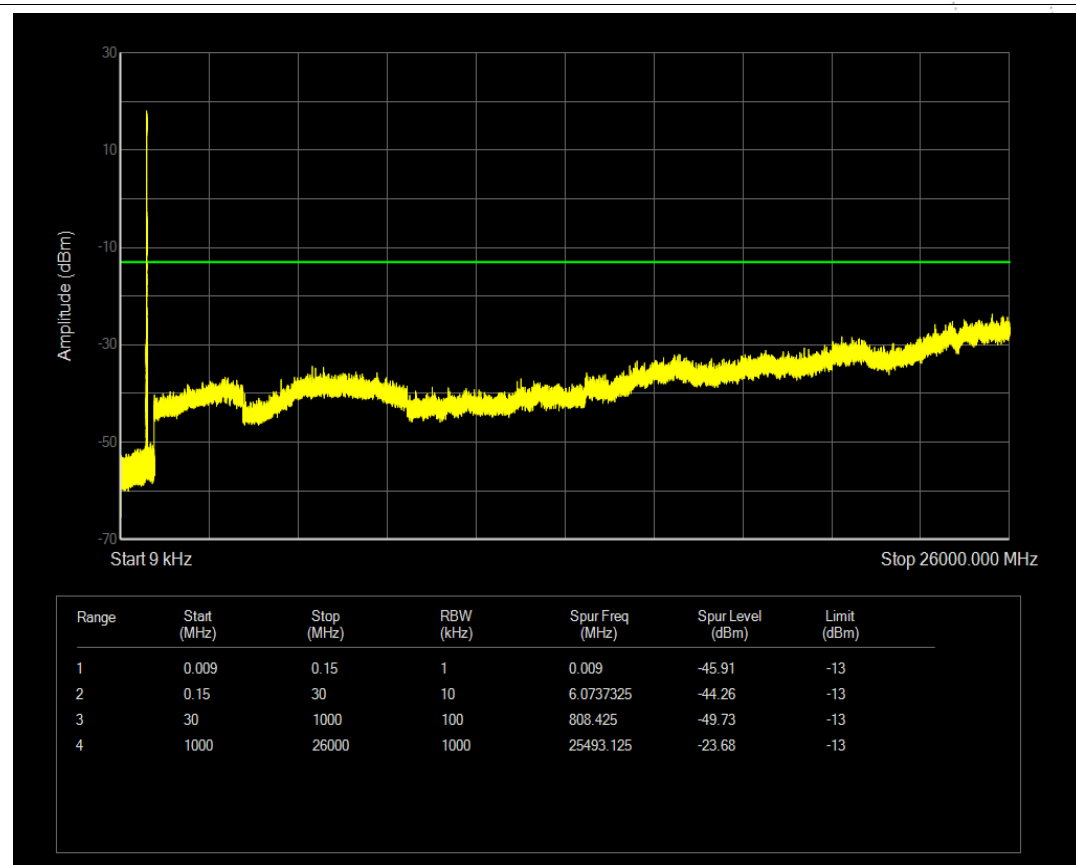
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-46.97	-13
2	0.15	30	10	6.0856725	-44.9	-13
3	30	1000	100	842.1325	-49.97	-13
4	1000	26000	1000	25858.75	-24.4	-13

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

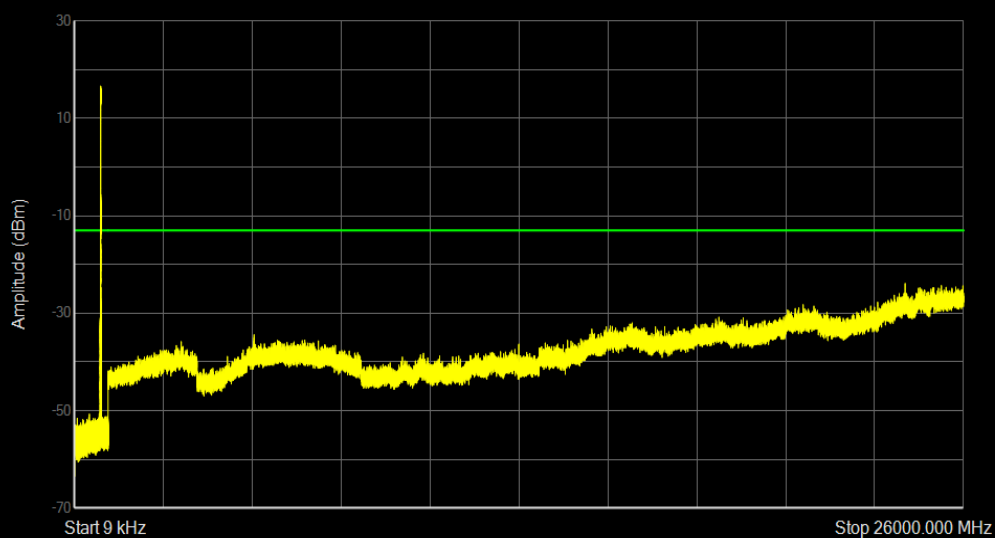




Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0 NVNT

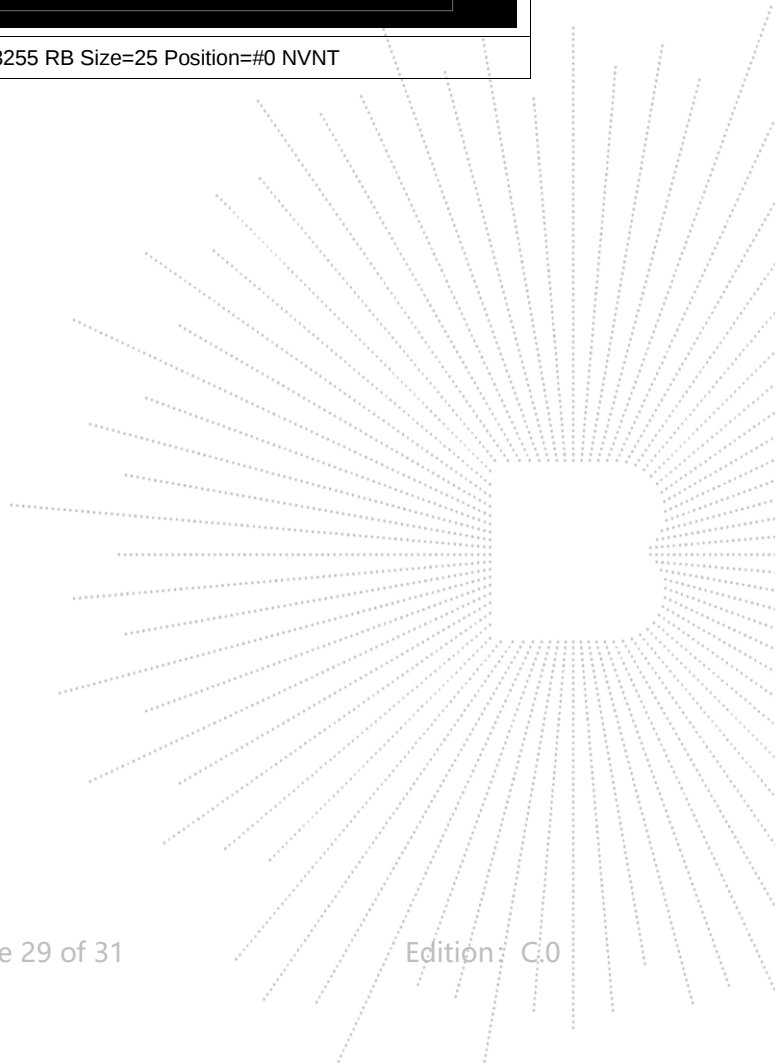


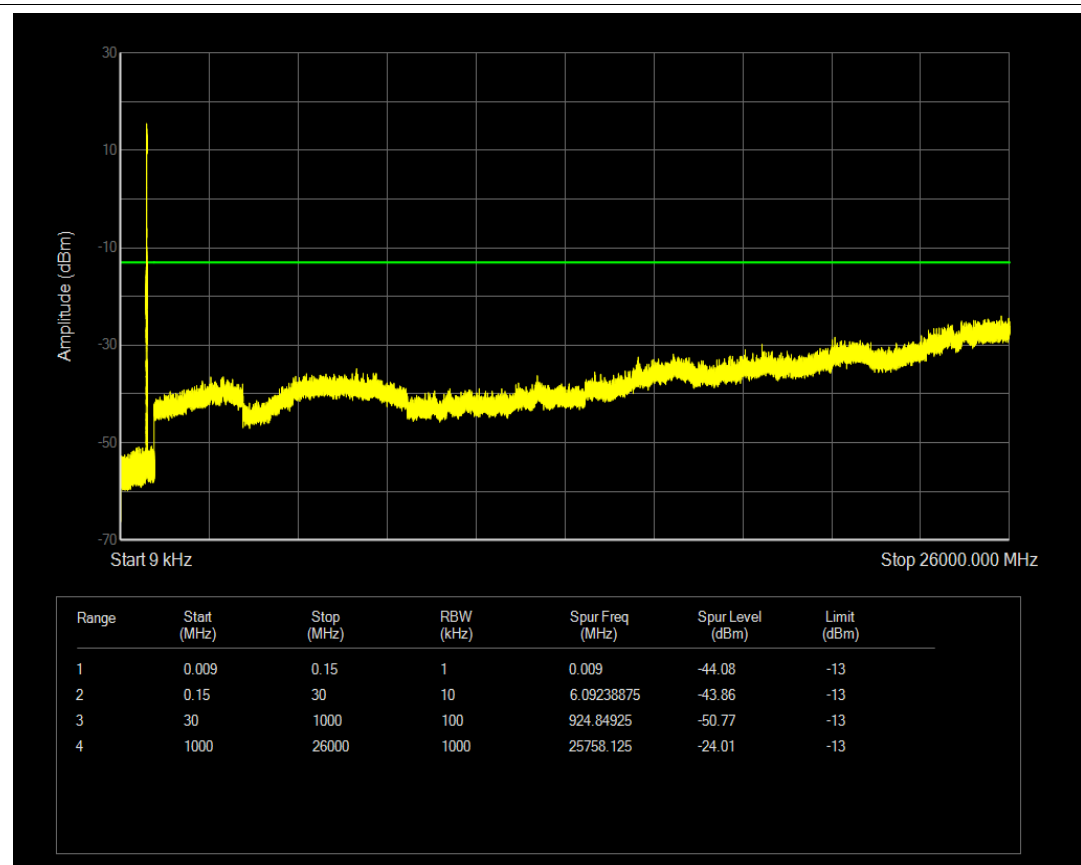
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0 NVNT



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11794365	-46.77	-13
2	0.15	30	10	6.1214925	-44.9	-13
3	30	1000	100	743.5805	-50.66	-13
4	1000	26000	1000	24290.625	-23.89	-13

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





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

