

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band13	5	23205	1	#0	QPSK	23.43	-0.91	20.37	PASS
Band13	5	23205	1	#Mid	QPSK	23.54	-0.91	20.48	PASS
Band13	5	23205	1	#Max	QPSK	23.36	-0.91	20.30	PASS
Band13	5	23205	12	#0	QPSK	22.48	-0.91	19.42	PASS
Band13	5	23205	12	#Mid	QPSK	22.49	-0.91	19.43	PASS
Band13	5	23205	12	#Max	QPSK	22.38	-0.91	19.32	PASS
Band13	5	23205	25	#0	QPSK	22.43	-0.91	19.37	PASS
Band13	5	23205	1	#0	16QAM	22.62	-0.91	19.56	PASS
Band13	5	23205	1	#Mid	16QAM	22.83	-0.91	19.77	PASS
Band13	5	23205	1	#Max	16QAM	22.64	-0.91	19.58	PASS
Band13	5	23205	12	#0	16QAM	21.49	-0.91	18.43	PASS
Band13	5	23205	12	#Mid	16QAM	21.48	-0.91	18.42	PASS
Band13	5	23205	12	#Max	16QAM	21.36	-0.91	18.30	PASS
Band13	5	23205	25	#0	16QAM	21.46	-0.91	18.40	PASS
Band13	5	23230	1	#0	QPSK	23.41	-0.91	20.35	PASS
Band13	5	23230	1	#Mid	QPSK	23.50	-0.91	20.44	PASS
Band13	5	23230	1	#Max	QPSK	23.31	-0.91	20.25	PASS
Band13	5	23230	12	#0	QPSK	22.44	-0.91	19.38	PASS
Band13	5	23230	12	#Mid	QPSK	22.48	-0.91	19.42	PASS
Band13	5	23230	12	#Max	QPSK	22.42	-0.91	19.36	PASS
Band13	5	23230	25	#0	QPSK	22.44	-0.91	19.38	PASS
Band13	5	23230	1	#0	16QAM	22.78	-0.91	19.72	PASS
Band13	5	23230	1	#Mid	16QAM	22.77	-0.91	19.71	PASS
Band13	5	23230	1	#Max	16QAM	22.57	-0.91	19.51	PASS
Band13	5	23230	12	#0	16QAM	21.44	-0.91	18.38	PASS
Band13	5	23230	12	#Mid	16QAM	21.50	-0.91	18.44	PASS
Band13	5	23230	12	#Max	16QAM	21.42	-0.91	18.36	PASS
Band13	5	23230	25	#0	16QAM	21.47	-0.91	18.41	PASS
Band13	5	23255	1	#0	QPSK	23.38	-0.91	20.32	PASS
Band13	5	23255	1	#Mid	QPSK	23.45	-0.91	20.39	PASS
Band13	5	23255	1	#Max	QPSK	23.26	-0.91	20.20	PASS
Band13	5	23255	12	#0	QPSK	22.36	-0.91	19.30	PASS
Band13	5	23255	12	#Mid	QPSK	22.42	-0.91	19.36	PASS
Band13	5	23255	12	#Max	QPSK	22.41	-0.91	19.35	PASS
Band13	5	23255	25	#0	QPSK	22.38	-0.91	19.32	PASS
Band13	5	23255	1	#0	16QAM	22.69	-0.91	19.63	PASS
Band13	5	23255	1	#Mid	16QAM	22.70	-0.91	19.64	PASS
Band13	5	23255	1	#Max	16QAM	22.58	-0.91	19.52	PASS

Band13	5	23255	12	#0	16QAM	21.35	-0.91	18.29	PASS
Band13	5	23255	12	#Mid	16QAM	21.43	-0.91	18.37	PASS
Band13	5	23255	12	#Max	16QAM	21.44	-0.91	18.38	PASS
Band13	5	23255	25	#0	16QAM	21.42	-0.91	18.36	PASS
Band13	10	23230	1	#0	QPSK	23.53	-0.91	20.47	PASS
Band13	10	23230	1	#Mid	QPSK	23.53	-0.91	20.47	PASS
Band13	10	23230	1	#Max	QPSK	23.37	-0.91	20.31	PASS
Band13	10	23230	25	#0	QPSK	22.51	-0.91	19.45	PASS
Band13	10	23230	25	#Mid	QPSK	22.50	-0.91	19.44	PASS
Band13	10	23230	25	#Max	QPSK	22.47	-0.91	19.41	PASS
Band13	10	23230	50	#0	QPSK	22.53	-0.91	19.47	PASS
Band13	10	23230	1	#0	16QAM	22.85	-0.91	19.79	PASS
Band13	10	23230	1	#Mid	16QAM	22.85	-0.91	19.79	PASS
Band13	10	23230	1	#Max	16QAM	22.60	-0.91	19.54	PASS
Band13	10	23230	25	#0	16QAM	21.51	-0.91	18.45	PASS
Band13	10	23230	25	#Mid	16QAM	21.54	-0.91	18.48	PASS
Band13	10	23230	25	#Max	16QAM	21.49	-0.91	18.43	PASS
Band13	10	23230	50	#0	16QAM	21.56	-0.91	18.50	PASS

2 Frequency stability

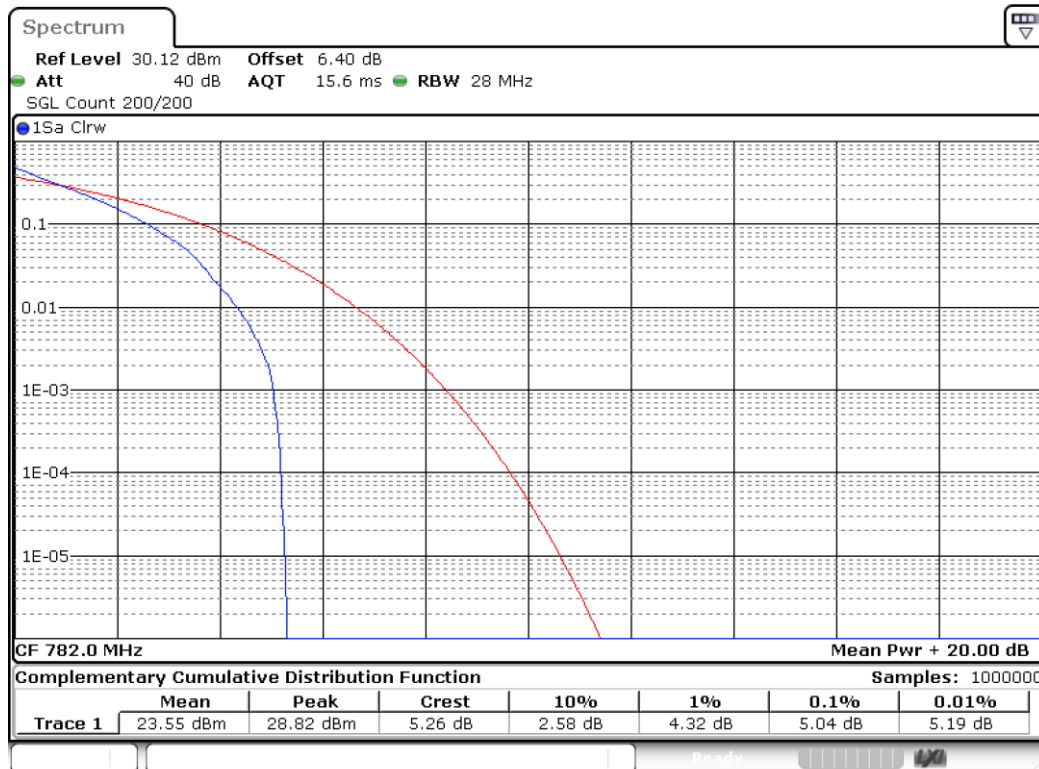
Band	Voltage [Vdc]	Temperature (°C)	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band13	VL	NT	5	23205	25	#0	QPSK	34.84	0.044695	±2.5	PASS
Band13	VN	NT	5	23205	25	#0	QPSK	-16.31	-0.020924	±2.5	PASS
Band13	VH	NT	5	23205	25	#0	QPSK	42.40	0.054394	±2.5	PASS
Band13	VL	NT	5	23230	25	#0	QPSK	37.54	0.048005	±2.5	PASS
Band13	VN	NT	5	23230	25	#0	QPSK	6.03	0.007711	±2.5	PASS
Band13	VH	NT	5	23230	25	#0	QPSK	44.94	0.057468	±2.5	PASS
Band13	VL	NT	5	23255	25	#0	QPSK	-4.59	-0.005851	±2.5	PASS
Band13	VN	NT	5	23255	25	#0	QPSK	-16.03	-0.020433	±2.5	PASS
Band13	VH	NT	5	23255	25	#0	QPSK	-44.48	-0.056699	±2.5	PASS
Band13	VL	NT	5	23205	25	#0	16QAM	-30.56	-0.039205	±2.5	PASS
Band13	VN	NT	5	23205	25	#0	16QAM	-25.31	-0.032470	±2.5	PASS
Band13	VH	NT	5	23205	25	#0	16QAM	-33.32	-0.042745	±2.5	PASS
Band13	VL	NT	5	23230	25	#0	16QAM	-20.43	-0.026125	±2.5	PASS
Band13	VN	NT	5	23230	25	#0	16QAM	-2.26	-0.002890	±2.5	PASS
Band13	VH	NT	5	23230	25	#0	16QAM	-41.83	-0.053491	±2.5	PASS
Band13	VL	NT	5	23255	25	#0	16QAM	-44.15	-0.056278	±2.5	PASS
Band13	VN	NT	5	23255	25	#0	16QAM	-3.40	-0.004334	±2.5	PASS
Band13	VH	NT	5	23255	25	#0	16QAM	-26.71	-0.034047	±2.5	PASS
Band13	NV	-30	5	23205	25	#0	QPSK	33.37	0.042809	±2.5	PASS

Band13	NV	-20	5	23205	25	#0	QPSK	22.03	0.028262	±2.5	PASS
Band13	NV	0	5	23205	25	#0	QPSK	10.62	0.013624	±2.5	PASS
Band13	NV	10	5	23205	25	#0	QPSK	-3.49	-0.004477	±2.5	PASS
Band13	NV	20	5	23205	25	#0	QPSK	-11.70	-0.015010	±2.5	PASS
Band13	NV	-30	5	23230	25	#0	QPSK	13.22	0.016905	±2.5	PASS
Band13	NV	-20	5	23230	25	#0	QPSK	27.08	0.034629	±2.5	PASS
Band13	NV	0	5	23230	25	#0	QPSK	13.37	0.017097	±2.5	PASS
Band13	NV	10	5	23230	25	#0	QPSK	49.21	0.062928	±2.5	PASS
Band13	NV	20	5	23230	25	#0	QPSK	23.75	0.030371	±2.5	PASS
Band13	NV	-30	5	23255	25	#0	QPSK	-32.15	-0.040982	±2.5	PASS
Band13	NV	-20	5	23255	25	#0	QPSK	-15.93	-0.020306	±2.5	PASS
Band13	NV	0	5	23255	25	#0	QPSK	-42.74	-0.054481	±2.5	PASS
Band13	NV	10	5	23255	25	#0	QPSK	-13.48	-0.017183	±2.5	PASS
Band13	NV	20	5	23255	25	#0	QPSK	-36.07	-0.045978	±2.5	PASS
Band13	NV	-30	5	23205	25	#0	16QAM	-17.53	-0.022489	±2.5	PASS
Band13	NV	-20	5	23205	25	#0	16QAM	-50.65	-0.064978	±2.5	PASS
Band13	NV	0	5	23205	25	#0	16QAM	-25.51	-0.032726	±2.5	PASS
Band13	NV	10	5	23205	25	#0	16QAM	-51.85	-0.066517	±2.5	PASS
Band13	NV	20	5	23205	25	#0	16QAM	-14.02	-0.017986	±2.5	PASS
Band13	NV	-30	5	23230	25	#0	16QAM	-54.04	-0.069105	±2.5	PASS
Band13	NV	-20	5	23230	25	#0	16QAM	-9.78	-0.012506	±2.5	PASS
Band13	NV	0	5	23230	25	#0	16QAM	-12.54	-0.016036	±2.5	PASS
Band13	NV	10	5	23230	25	#0	16QAM	-19.25	-0.024616	±2.5	PASS
Band13	NV	20	5	23230	25	#0	16QAM	-18.85	-0.024105	±2.5	PASS
Band13	NV	-30	5	23255	25	#0	16QAM	-3.60	-0.004589	±2.5	PASS
Band13	NV	-20	5	23255	25	#0	16QAM	-26.63	-0.033945	±2.5	PASS
Band13	NV	0	5	23255	25	#0	16QAM	-50.14	-0.063913	±2.5	PASS
Band13	NV	10	5	23255	25	#0	16QAM	-18.54	-0.023633	±2.5	PASS
Band13	NV	20	5	23255	25	#0	16QAM	-38.73	-0.049369	±2.5	PASS

3 Peak-to-Average Ratio

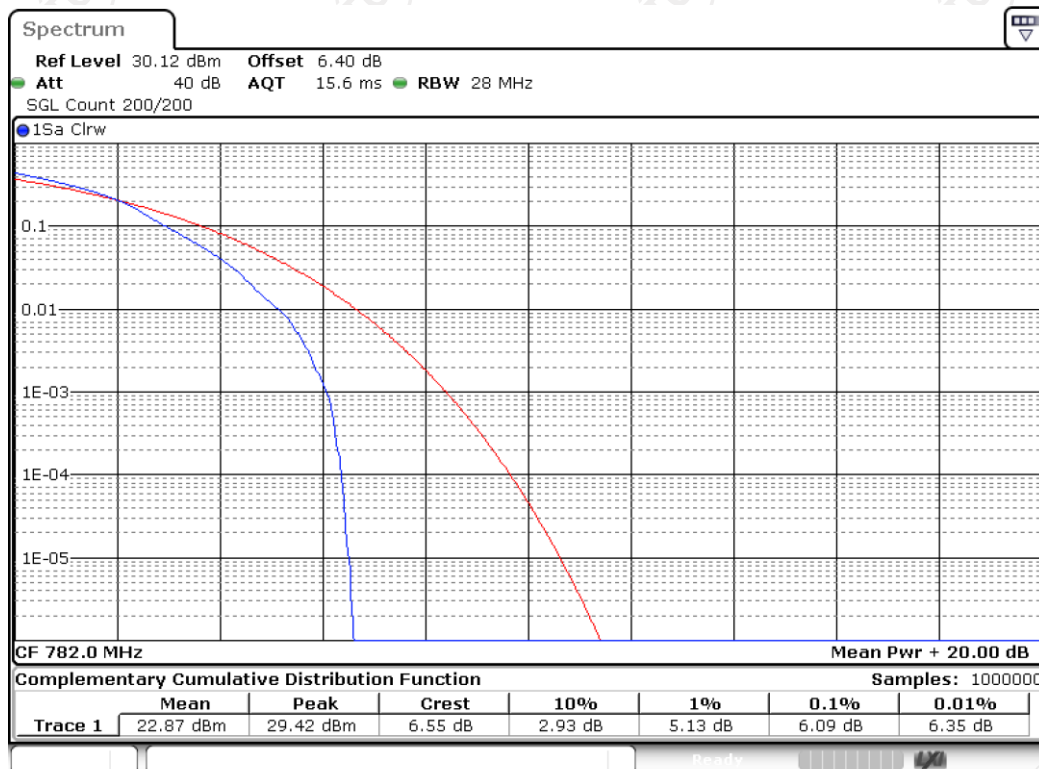
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band13	5	23205	1	#0	QPSK	4.61	13	PASS
Band13	5	23205	1	#0	16QAM	5.59	13	PASS
Band13	5	23230	1	#0	QPSK	5.04	13	PASS
Band13	5	23230	1	#0	16QAM	6.09	13	PASS
Band13	5	23255	1	#0	QPSK	5.30	13	PASS
Band13	5	23255	1	#0	16QAM	6.49	13	PASS
Band13	10	23230	1	#0	QPSK	4.58	13	PASS
Band13	10	23230	1	#0	16QAM	5.54	13	PASS

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



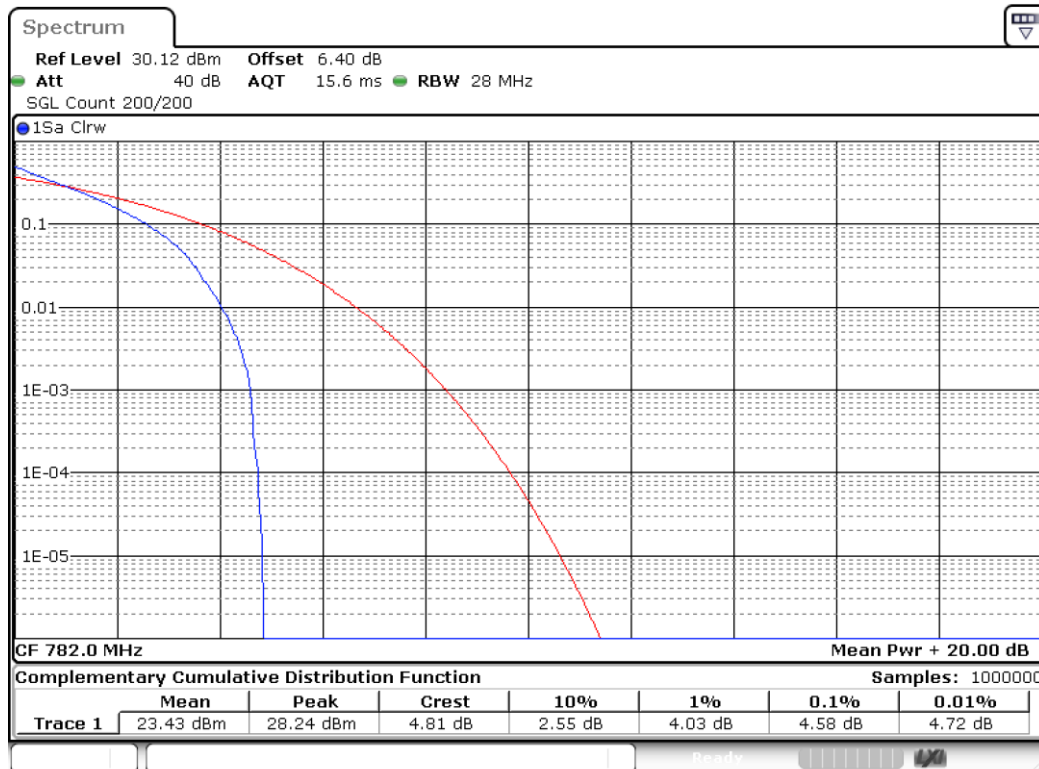
Date: 7.JUN.2023 11:15:22

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



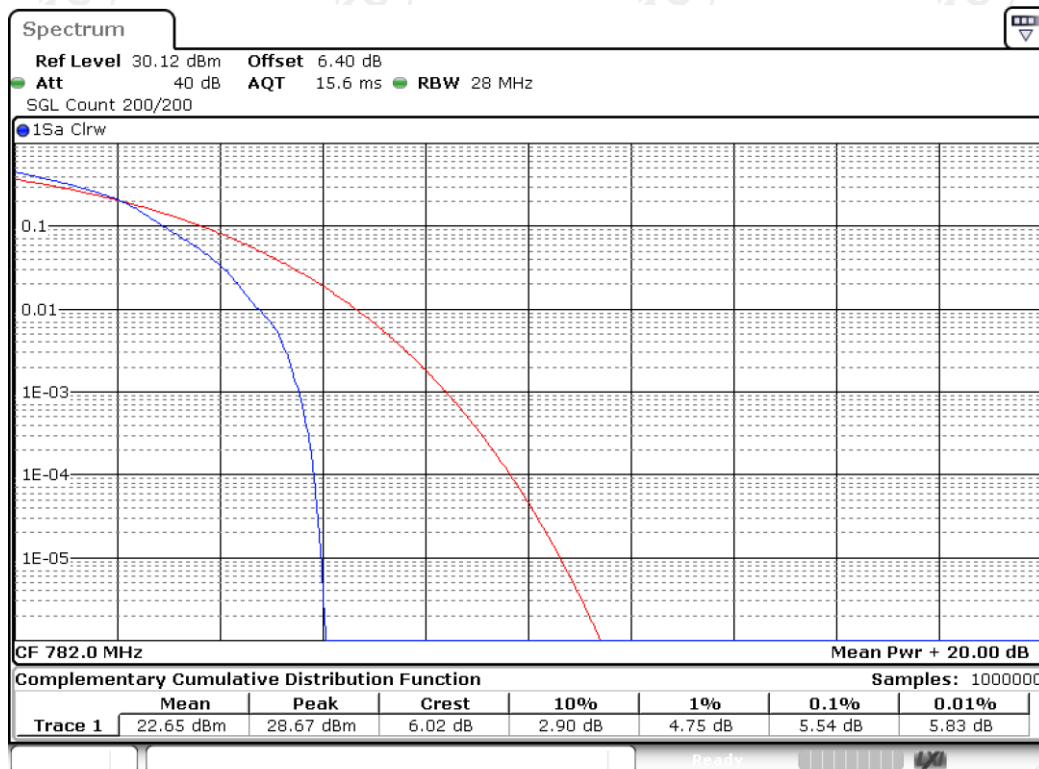
Date: 7.JUN.2023 11:15:50

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



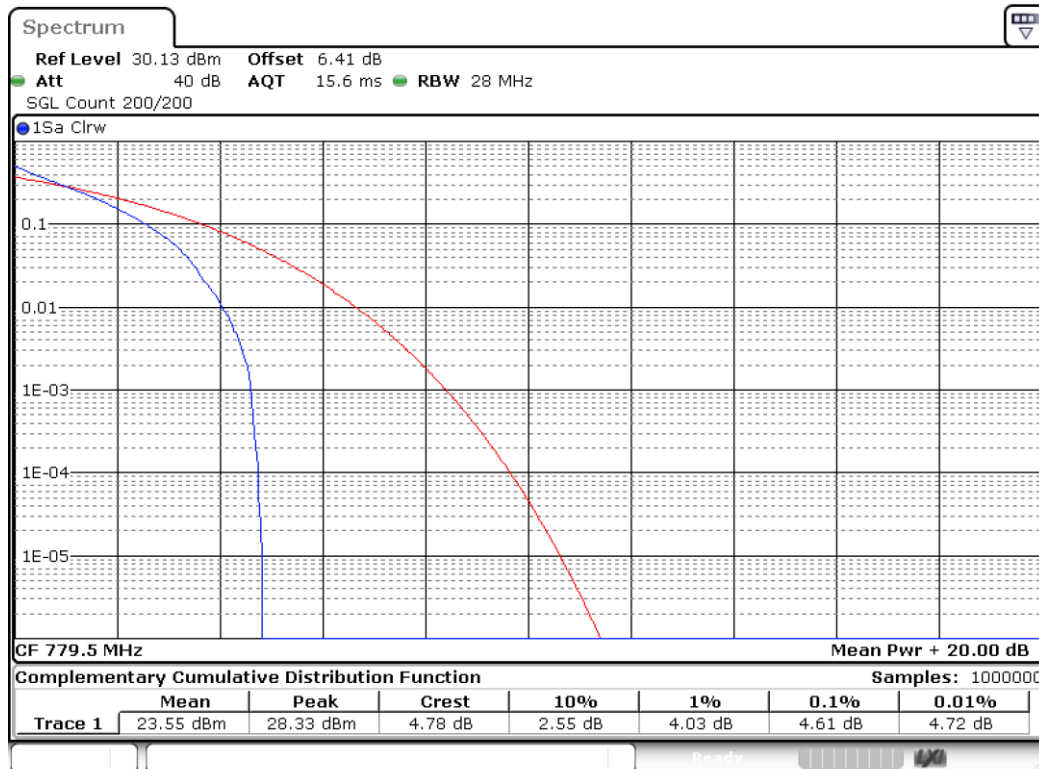
Date: 7.JUN.2023 11:17:13

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



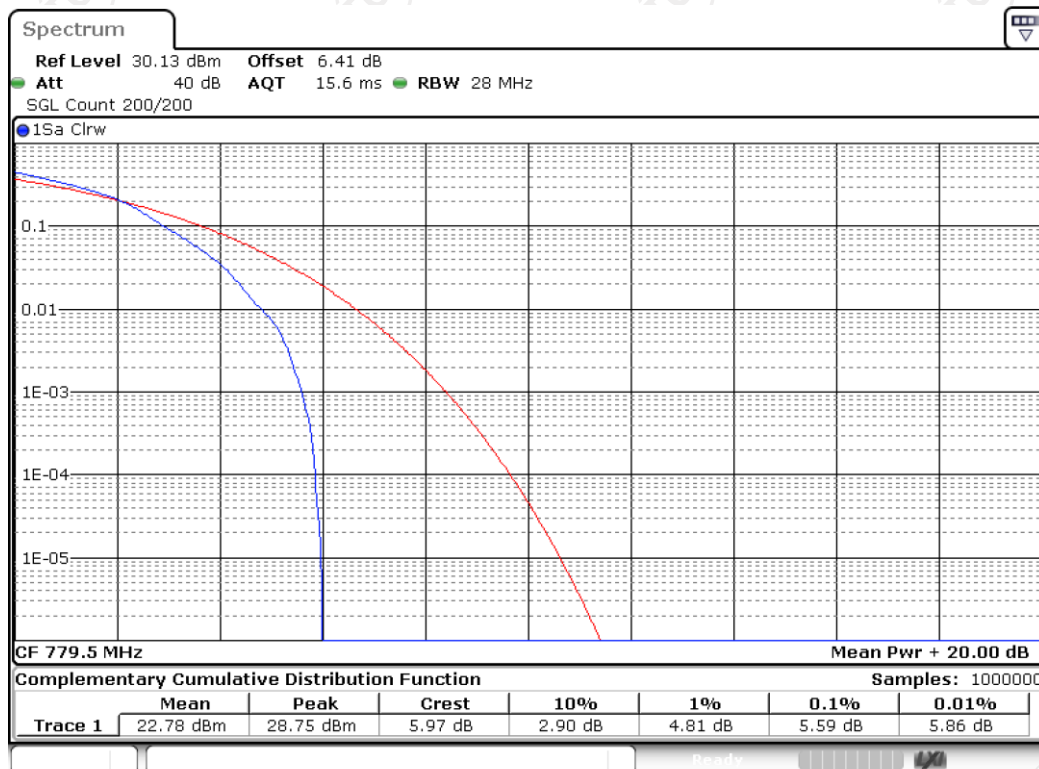
Date: 7.JUN.2023 11:17:40

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



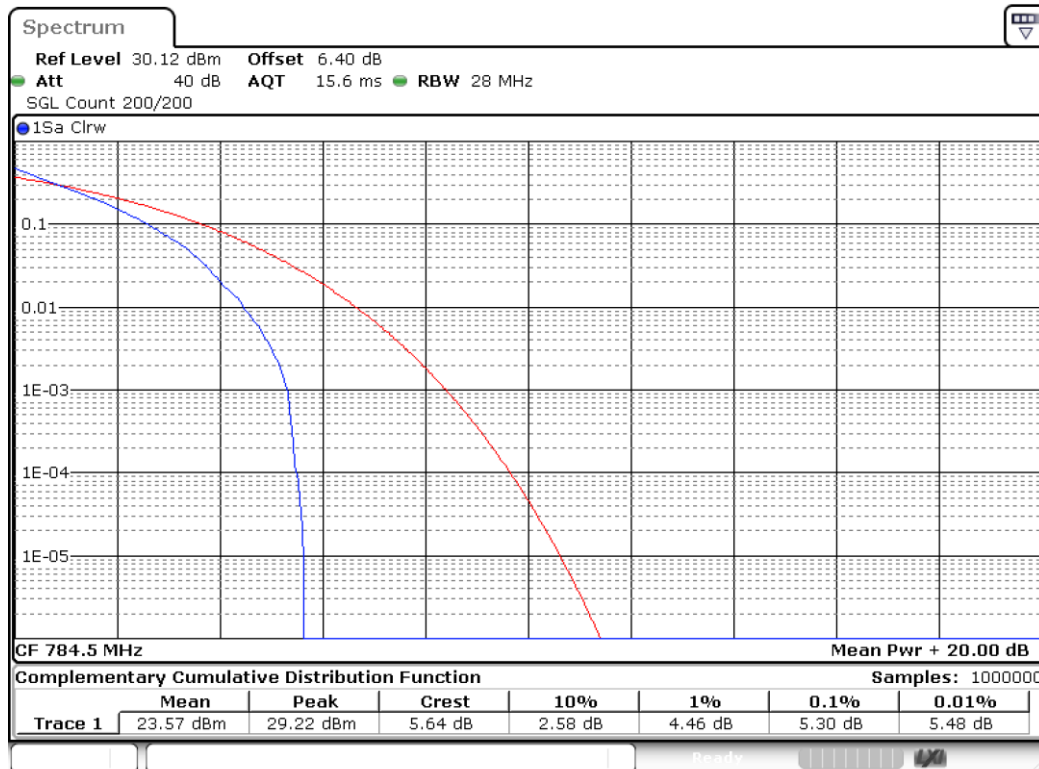
Date: 7.JUN.2023 11:14:27

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



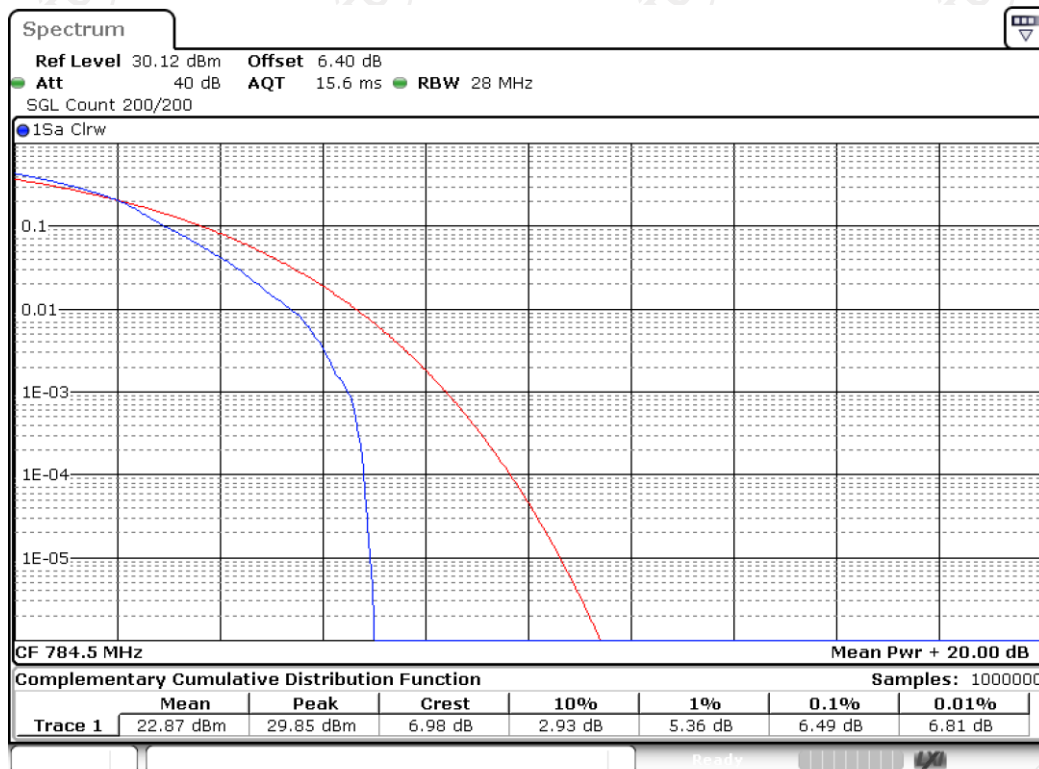
Date: 7.JUN.2023 11:14:55

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



Date: 7.JUN.2023 11:16:17

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

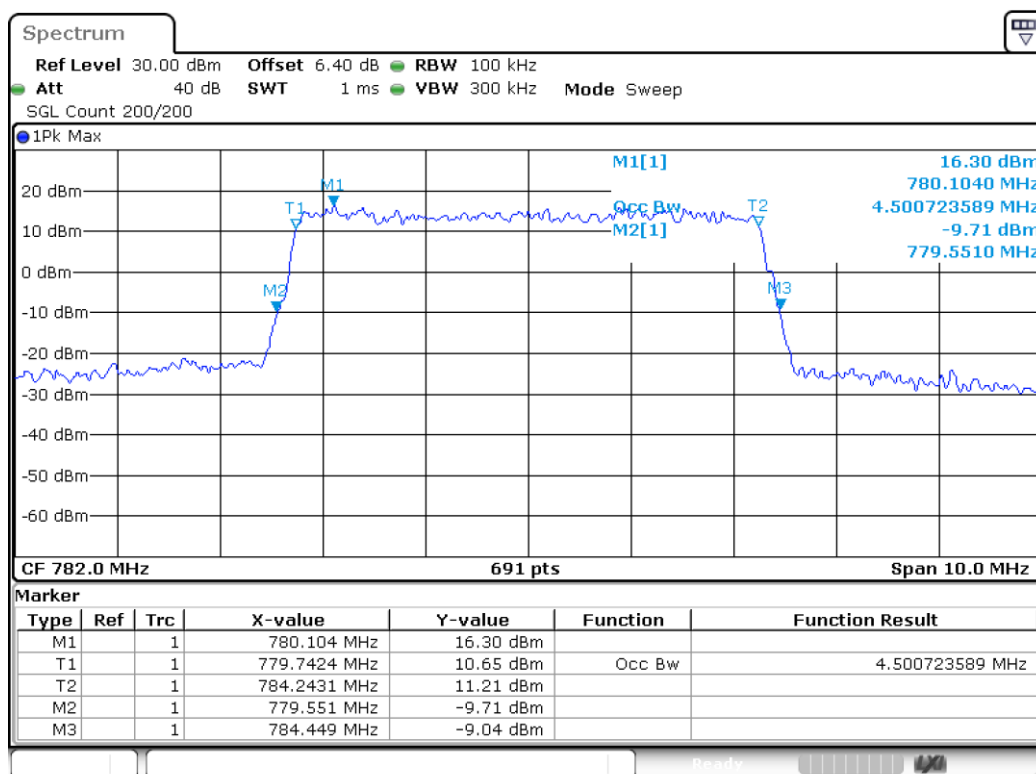


Date: 7.JUN.2023 11:16:45

4 Occupied bandwidth

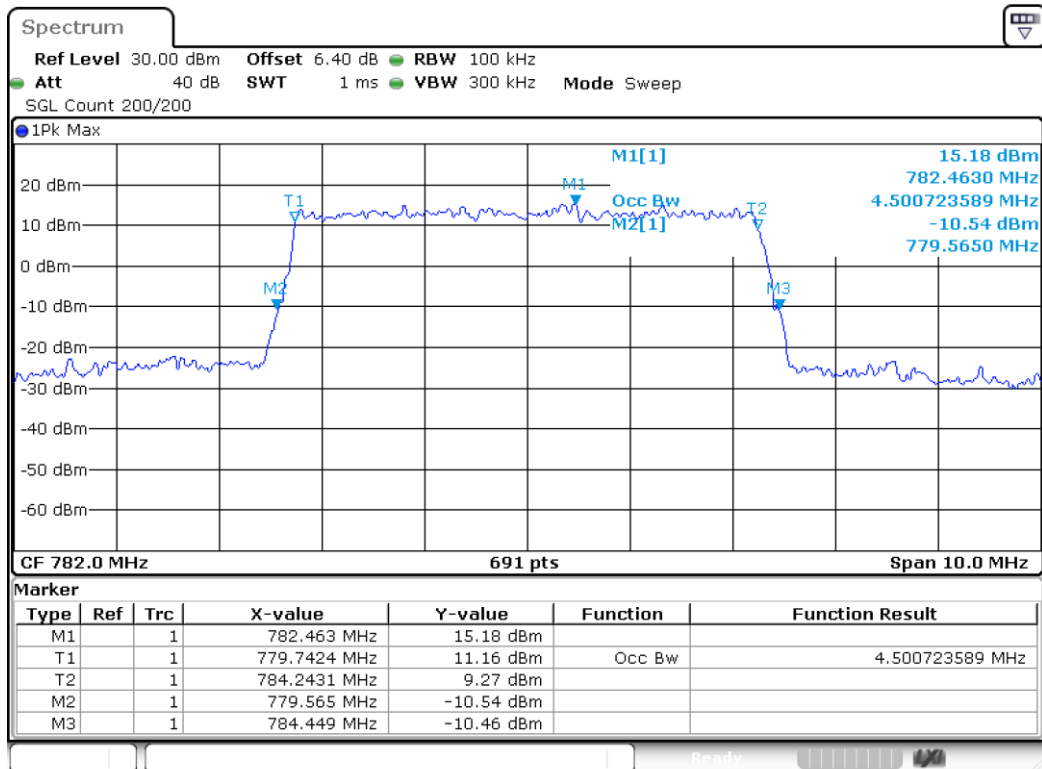
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.501	4.913	PASS
Band13	5	23205	25	#0	16QAM	4.486	4.870	PASS
Band13	5	23230	25	#0	QPSK	4.501	4.899	PASS
Band13	5	23230	25	#0	16QAM	4.501	4.884	PASS
Band13	5	23255	25	#0	QPSK	4.501	4.884	PASS
Band13	5	23255	25	#0	16QAM	4.486	4.841	PASS
Band13	10	23230	50	#0	QPSK	8.973	9.710	PASS
Band13	10	23230	50	#0	16QAM	8.973	9.623	PASS

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



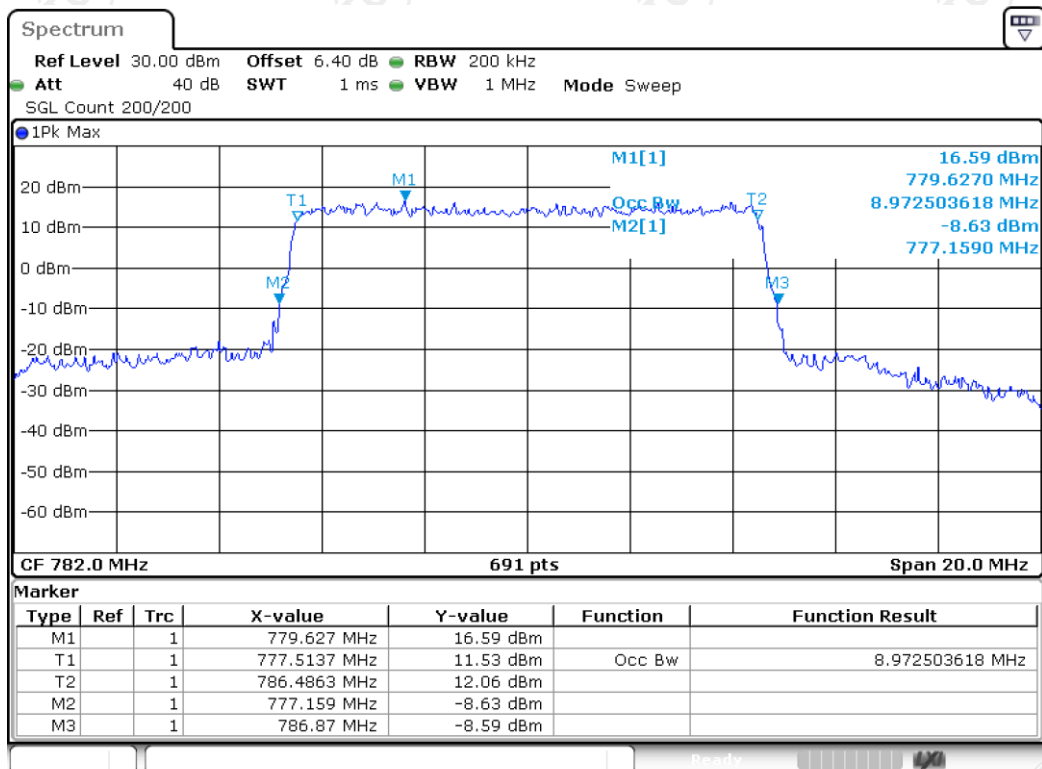
Date: 7.JUN.2023 11:18:06

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



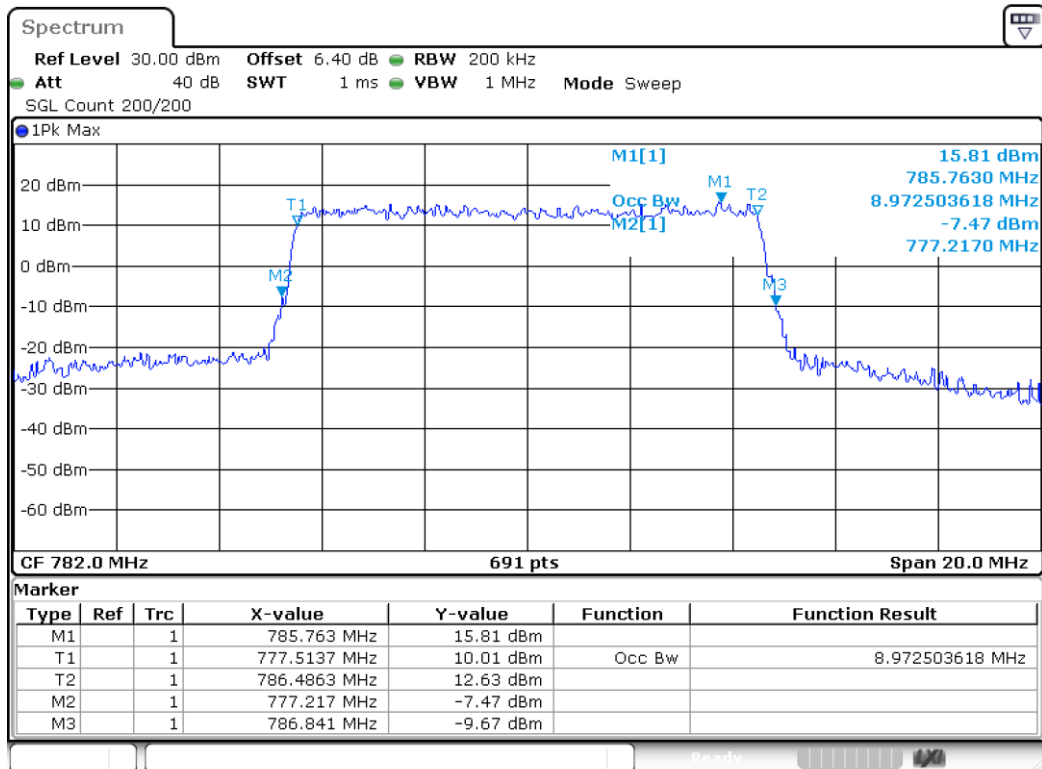
Date: 7.JUN.2023 11:18:11

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



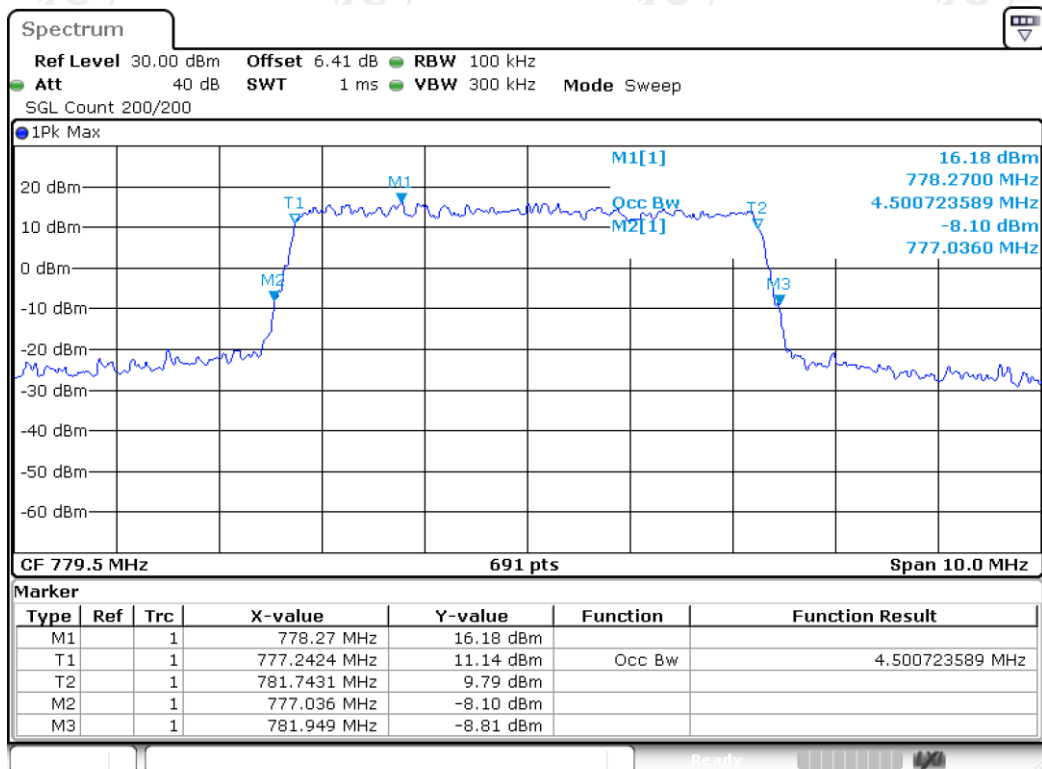
Date: 7.JUN.2023 11:18:29

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



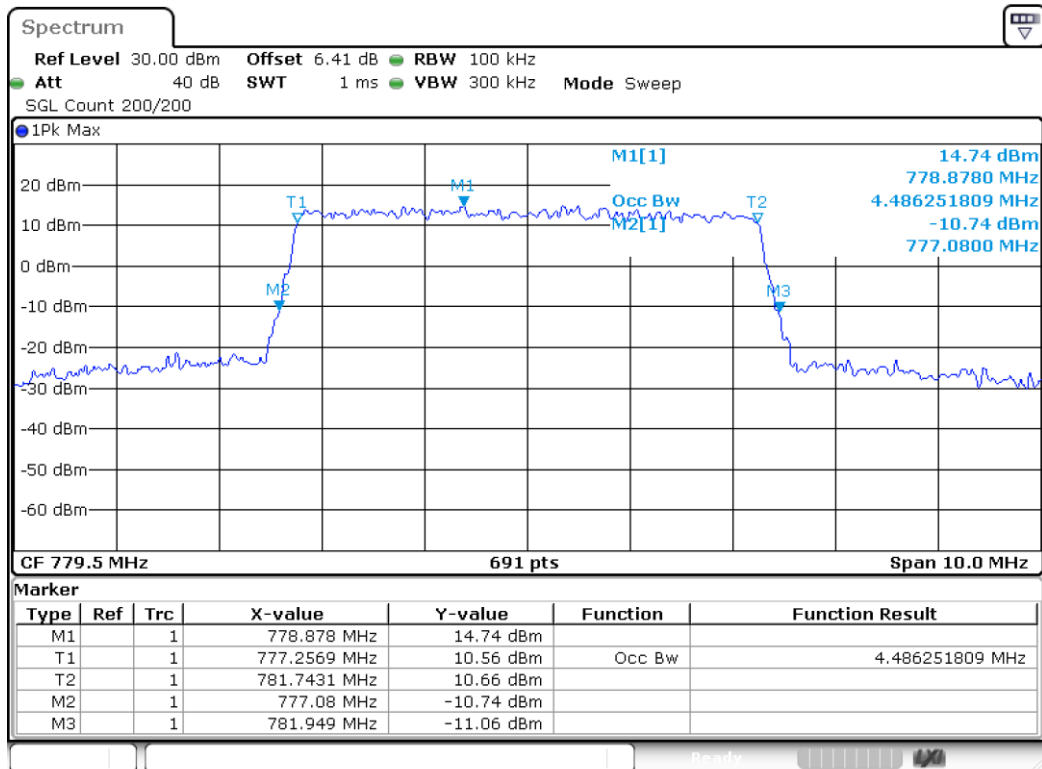
Date: 7.JUN.2023 11:18:36

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



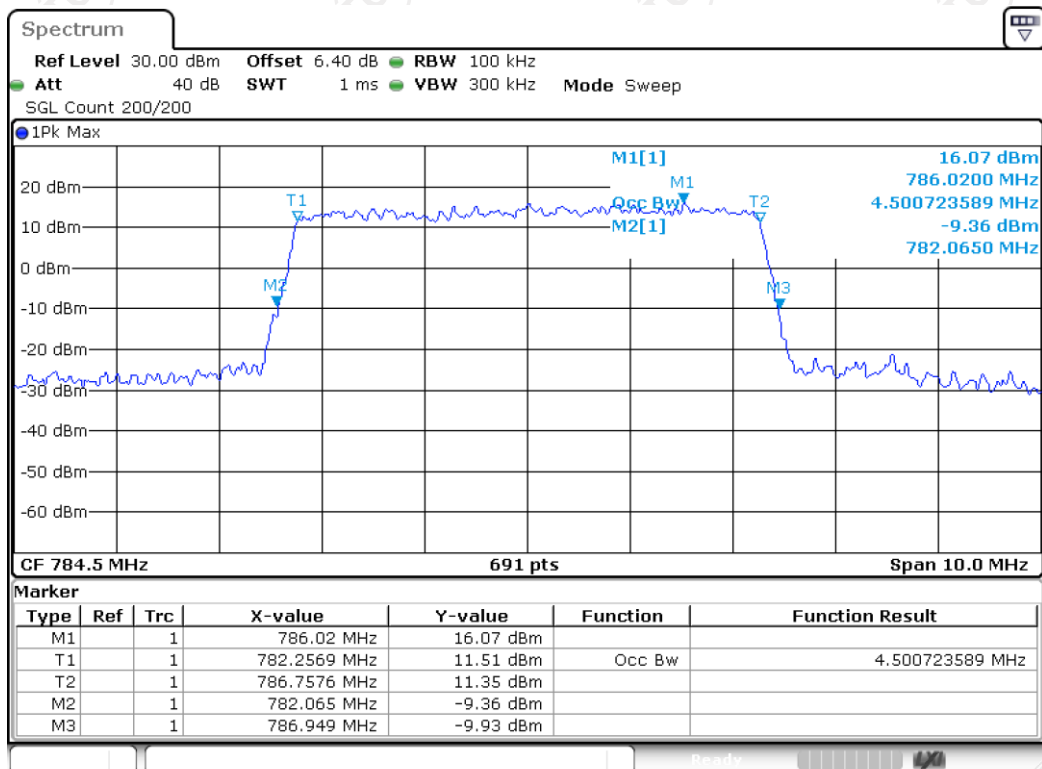
Date: 7.JUN.2023 11:17:54

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



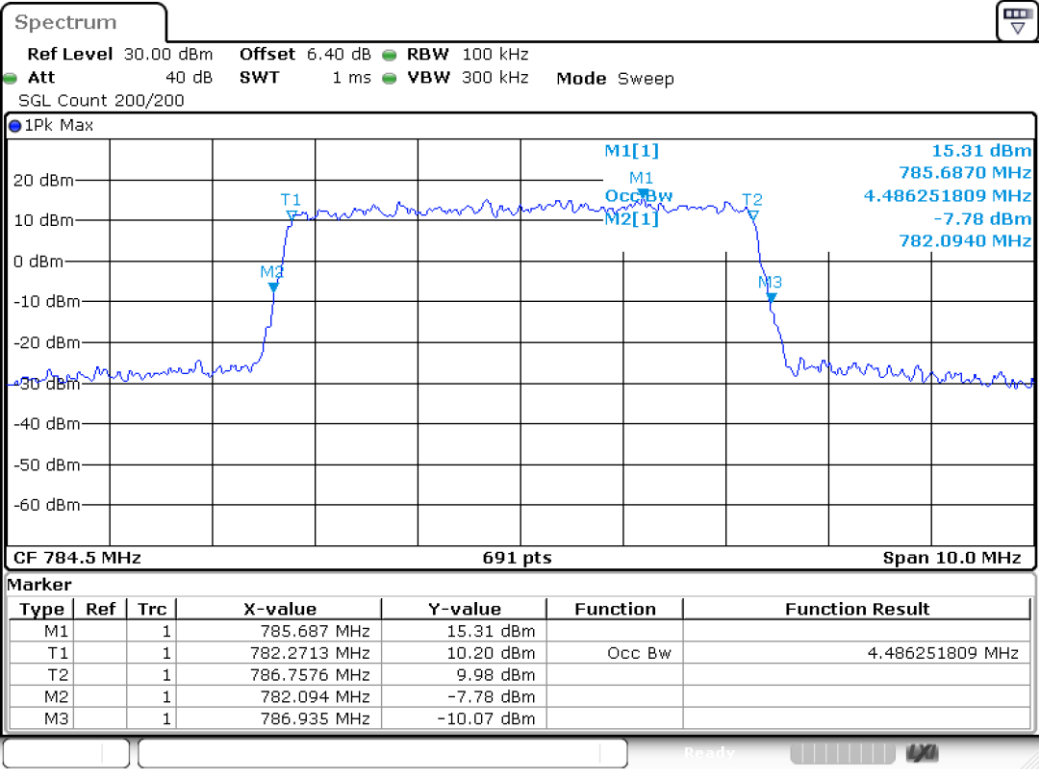
Date: 7.JUN.2023 11:18:00

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



Date: 7.JUN.2023 11:18:17

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

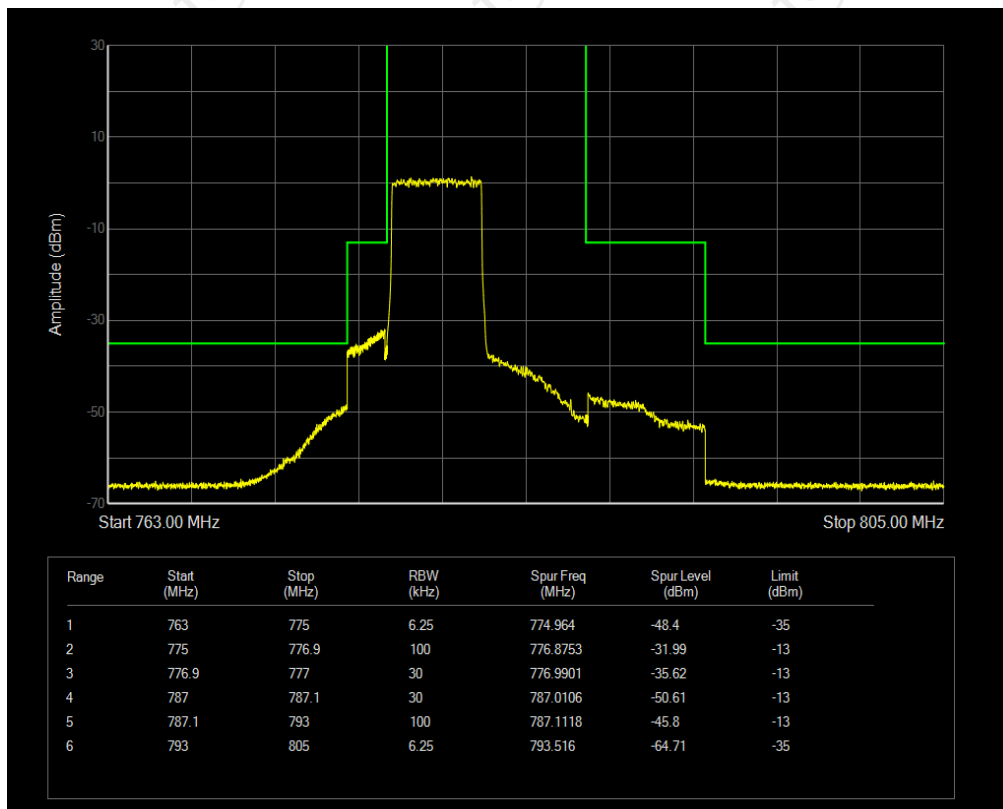


Date: 7.JUN.2023 11:18:22

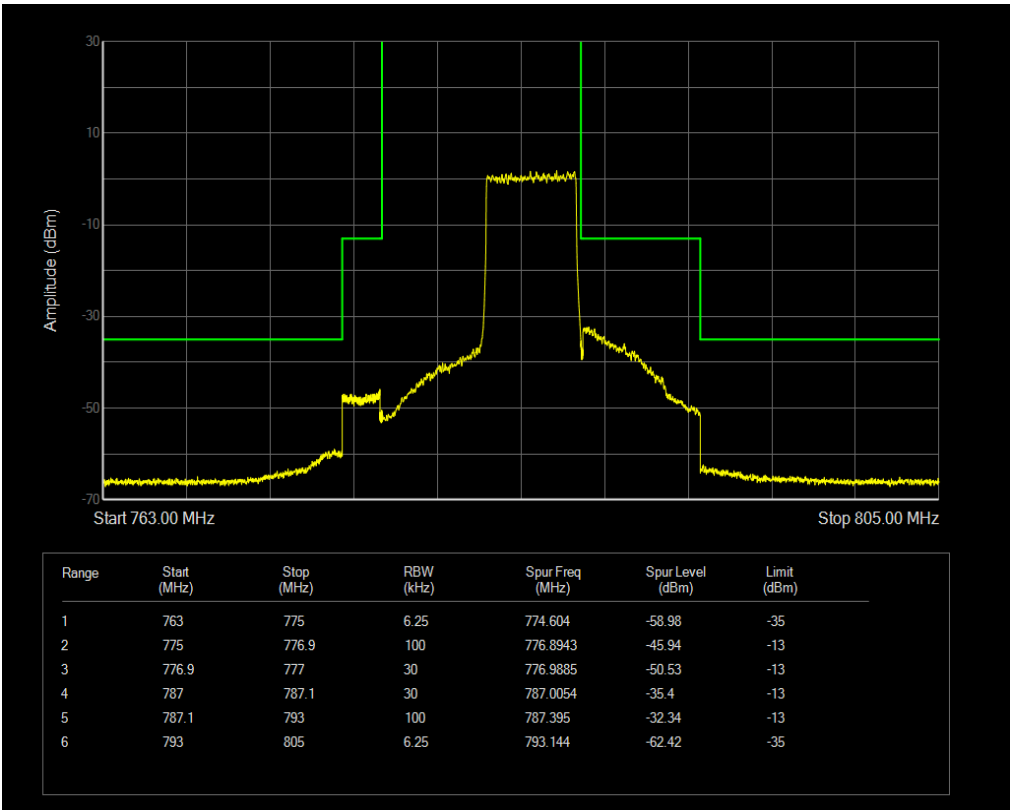
5 Band edge

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	774.96	-48.40	-35	PASS
Band13	5	23205	25	#0	16QAM	774.83	-48.61	-35	PASS
Band13	5	23255	25	#0	QPSK	787.40	-32.34	-13	PASS
Band13	5	23255	25	#0	16QAM	787.25	-33.03	-13	PASS
Band13	10	23230	50	#0	QPSK	774.95	-48.71	-35	PASS
Band13	10	23230	50	#0	16QAM	774.89	-49.31	-35	PASS

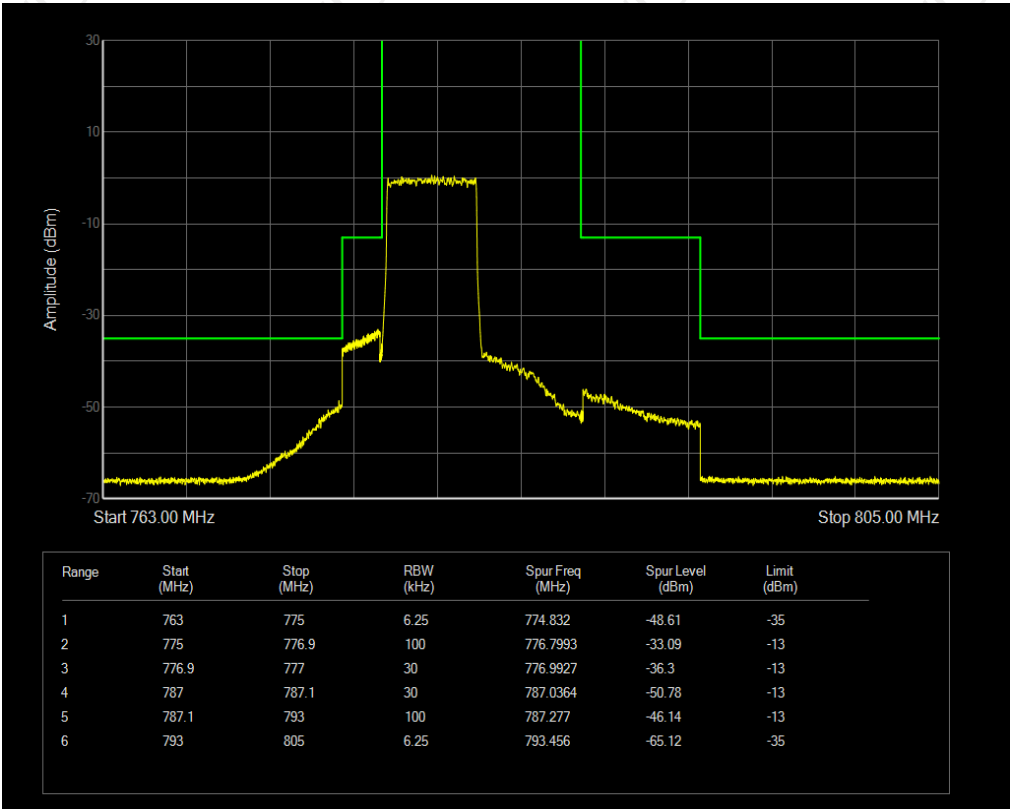
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



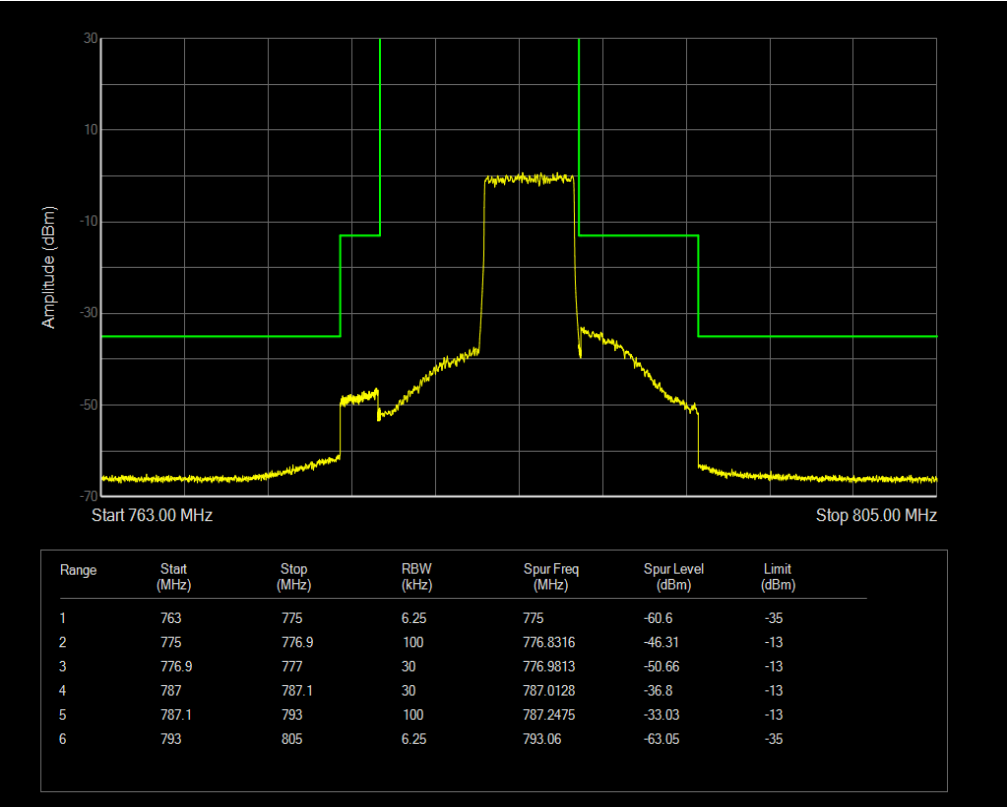
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



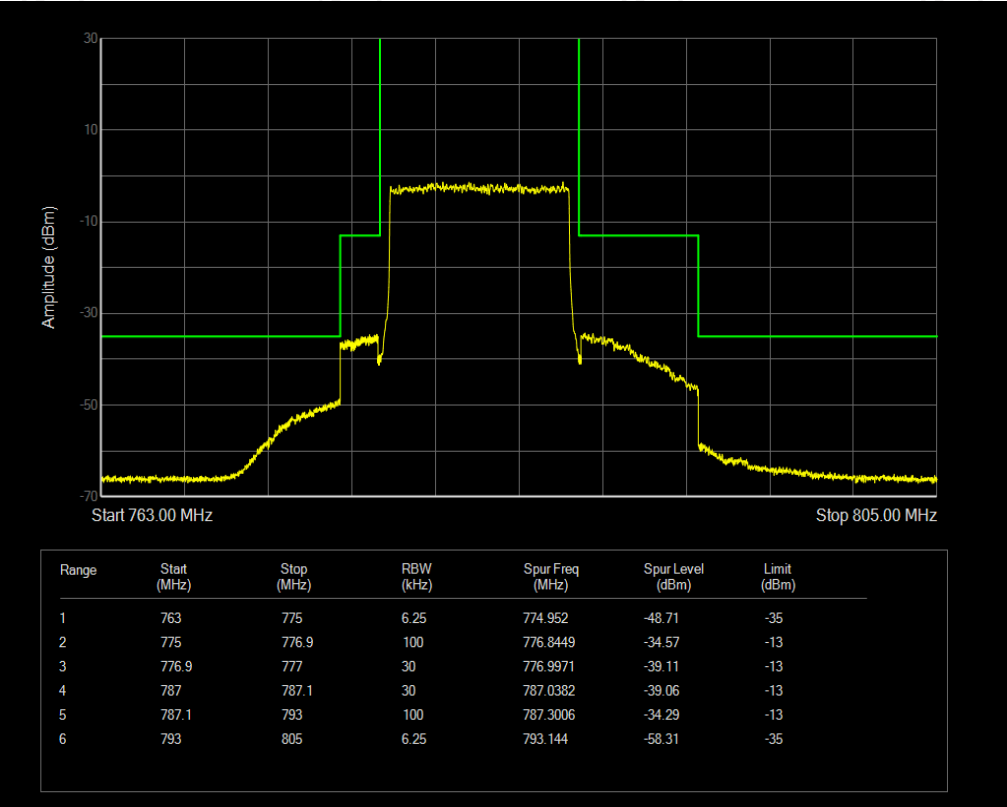
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



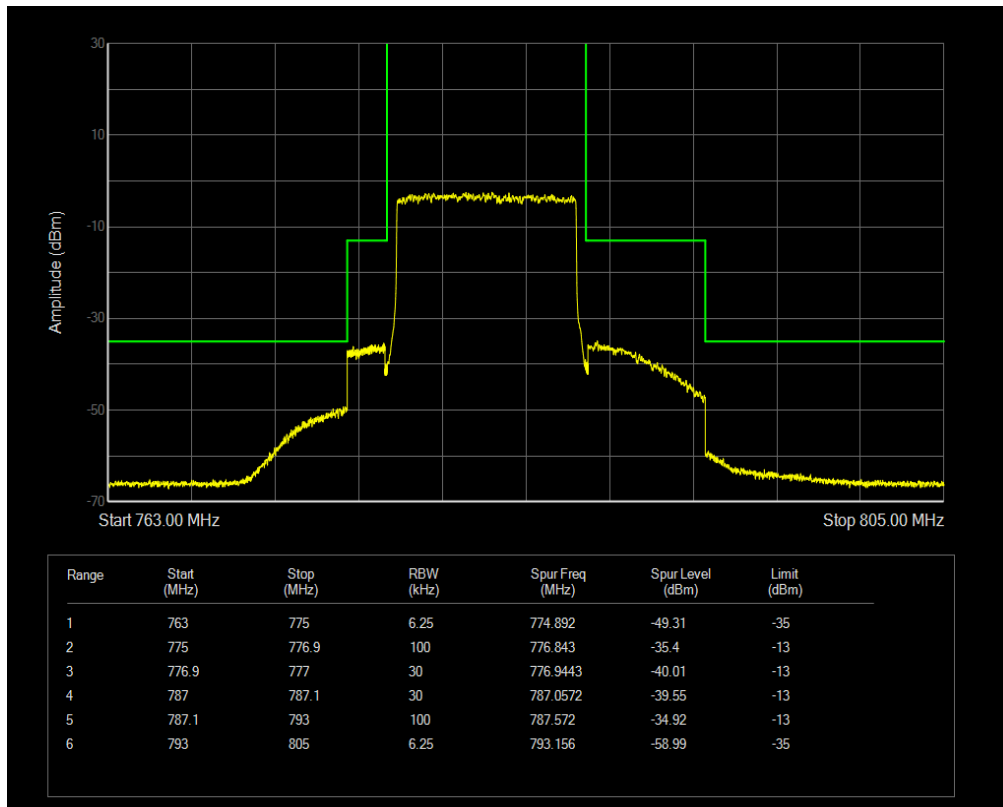
Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



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



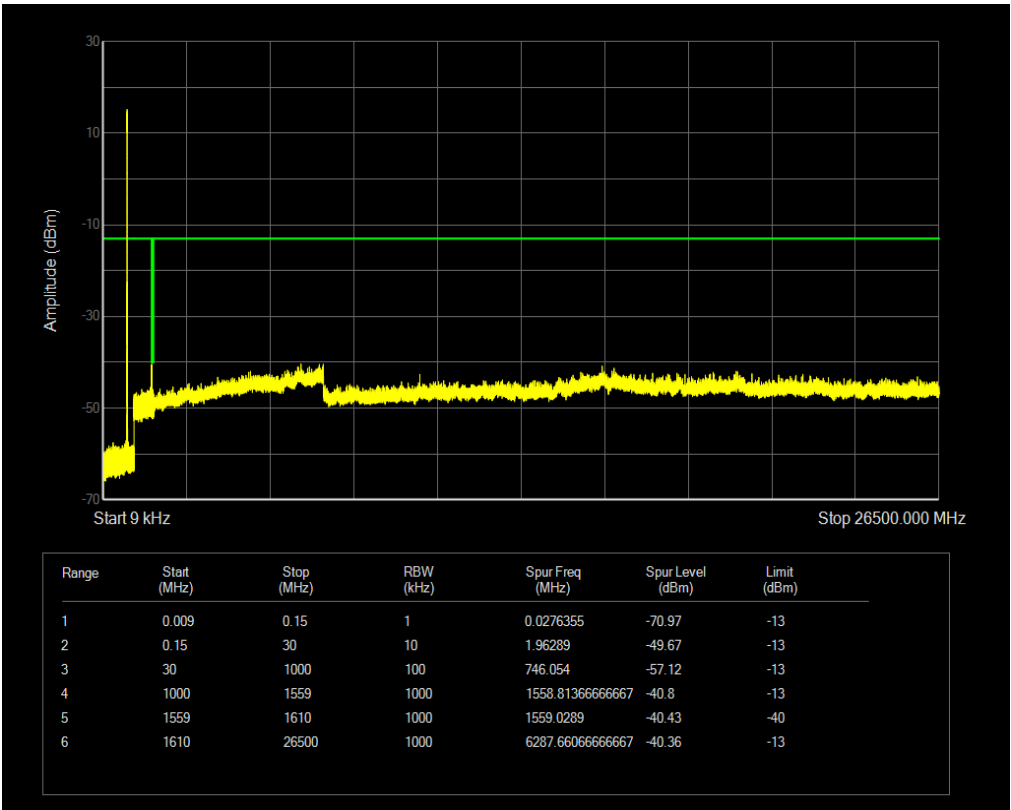
Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



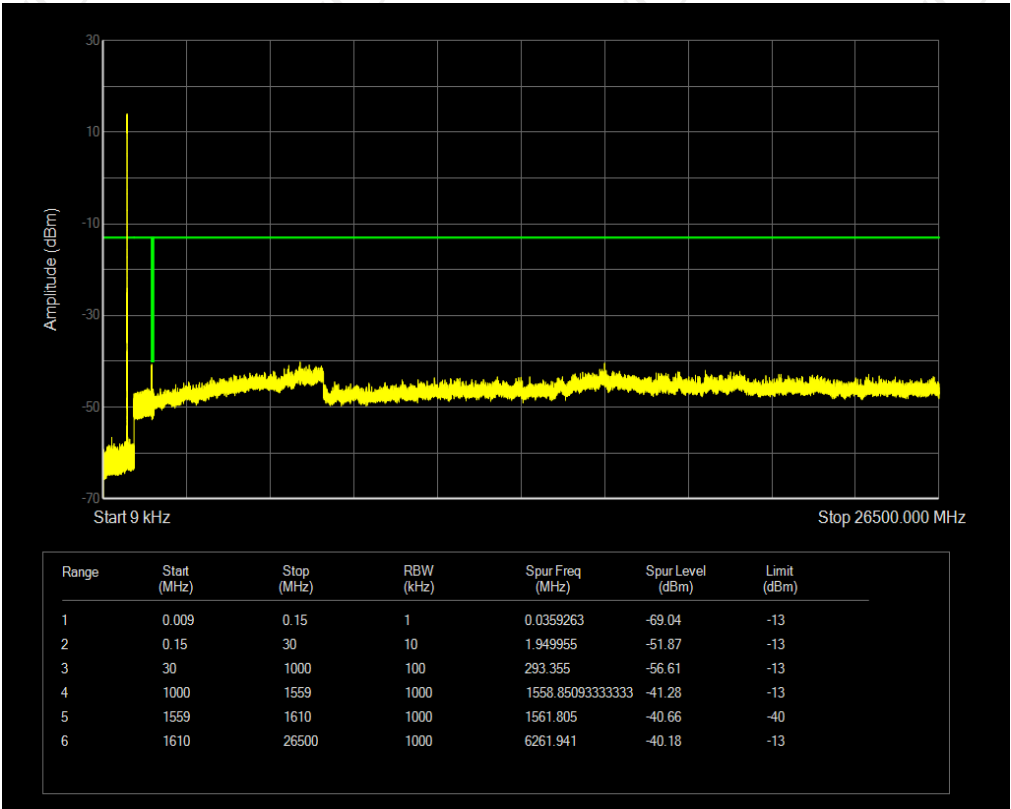
6 Out-of-band emissions

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	1559.03	-40.43	-40	PASS
Band13	5	23205	25	#0	16QAM	1561.81	-40.66	-40	PASS
Band13	5	23255	25	#0	QPSK	1568.88	-42.27	-40	PASS
Band13	5	23255	25	#0	16QAM	1569.60	-42.23	-40	PASS
Band13	10	23230	50	#0	QPSK	1563.93	-41.26	-40	PASS
Band13	10	23230	50	#0	16QAM	1566.80	-42.20	-40	PASS

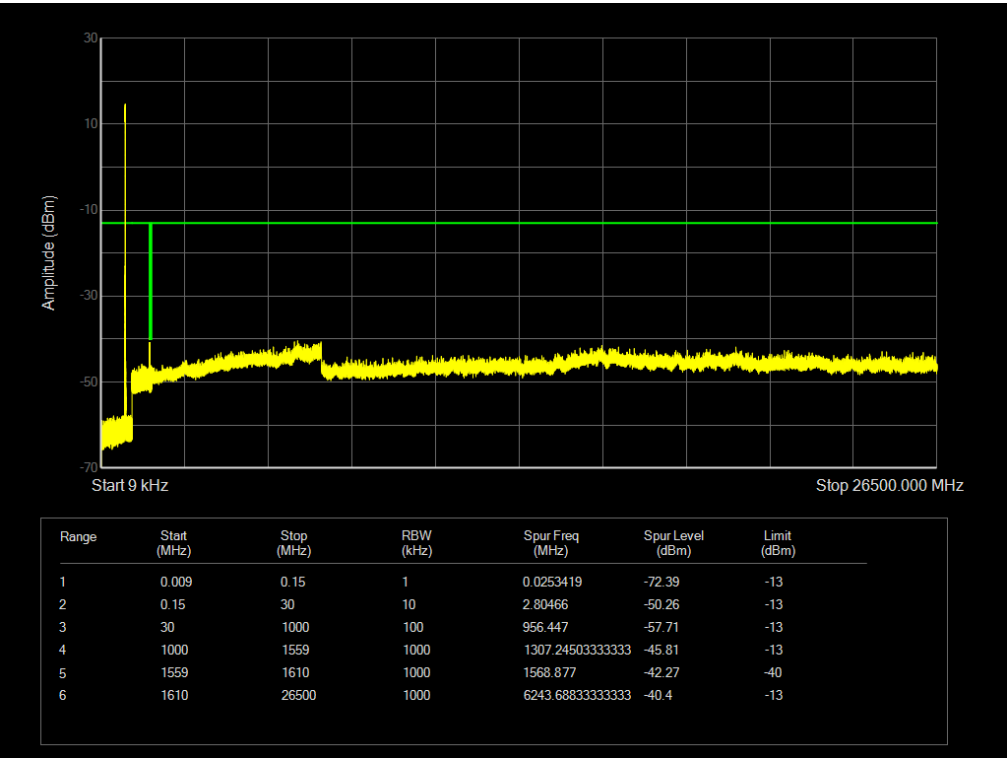
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



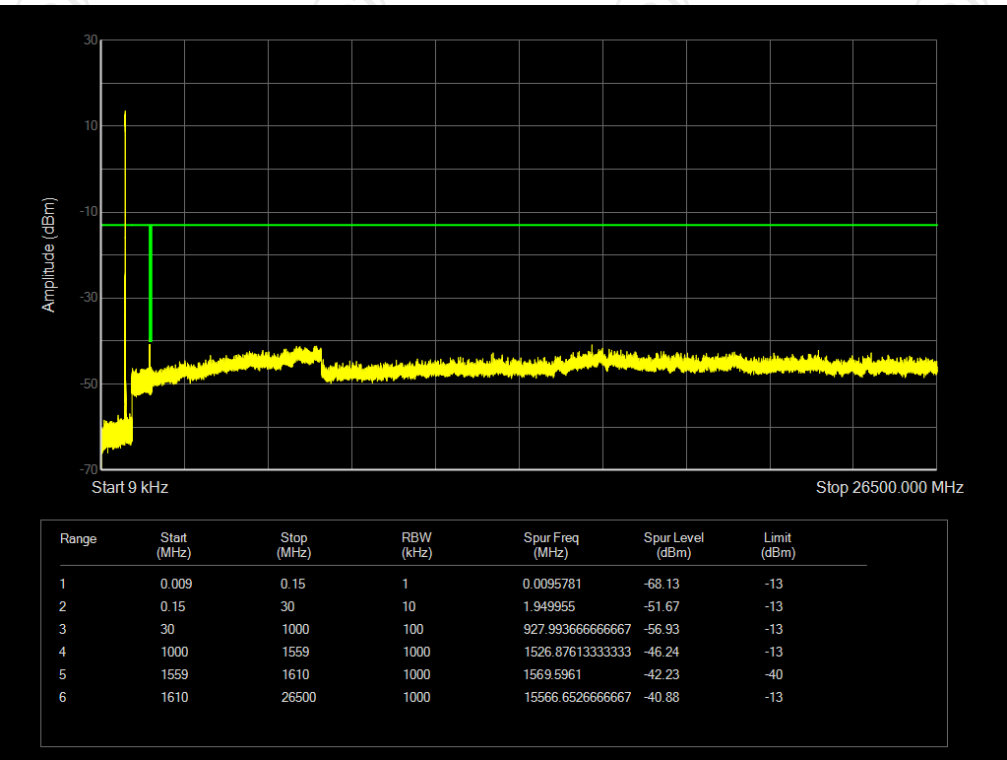
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



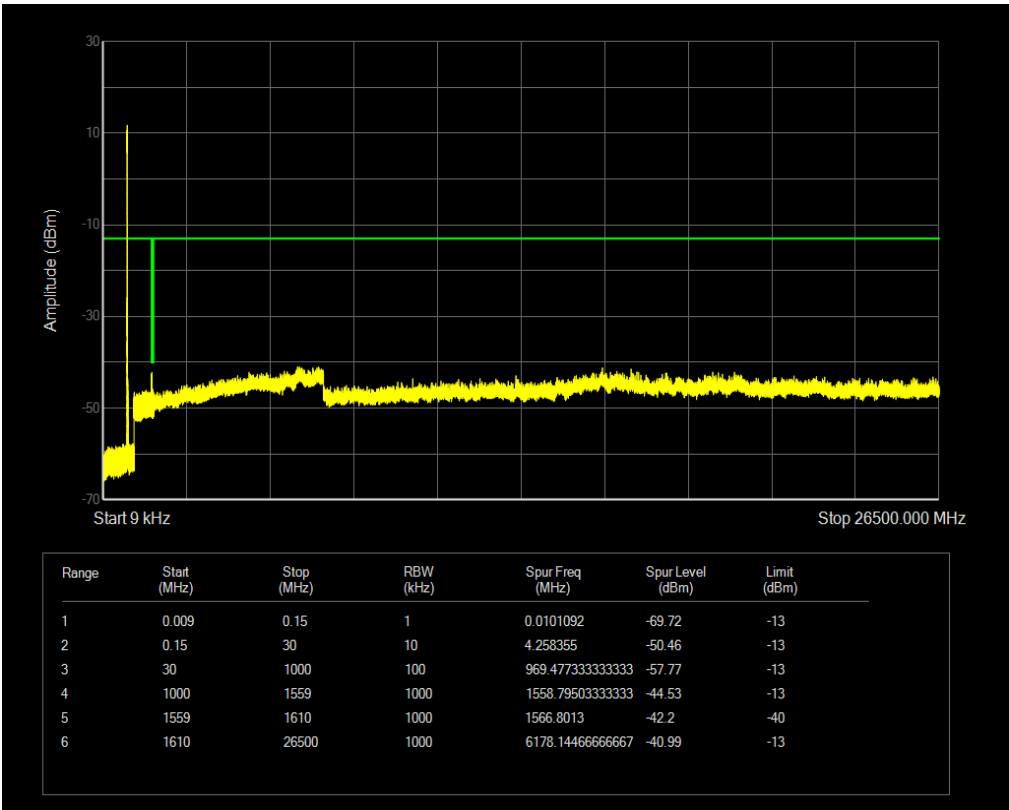
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



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



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



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

