

01. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dB)	ERP (dBm)	Verdict
Band13	5	23205	1	#0	QPSK	23.76	3.31	24.92	PASS
Band13	5	23205	1	#Mid	QPSK	24.19	3.31	25.35	PASS
Band13	5	23205	1	#Max	QPSK	24.08	3.31	25.24	PASS
Band13	5	23205	12	#0	QPSK	23.77	3.31	24.93	PASS
Band13	5	23205	12	#Mid	QPSK	23.69	3.31	24.85	PASS
Band13	5	23205	12	#Max	QPSK	23.49	3.31	24.65	PASS
Band13	5	23205	25	#0	QPSK	23.59	3.31	24.75	PASS
Band13	5	23205	1	#0	16QAM	23.62	3.31	24.78	PASS
Band13	5	23205	1	#Mid	16QAM	23.45	3.31	24.61	PASS
Band13	5	23205	1	#Max	16QAM	23.07	3.31	24.23	PASS
Band13	5	23205	12	#0	16QAM	22.79	3.31	23.95	PASS
Band13	5	23205	12	#Mid	16QAM	22.54	3.31	23.70	PASS
Band13	5	23205	12	#Max	16QAM	22.20	3.31	23.36	PASS
Band13	5	23205	25	#0	16QAM	22.52	3.31	23.68	PASS
Band13	5	23230	1	#0	QPSK	24.43	3.31	25.59	PASS
Band13	5	23230	1	#Mid	QPSK	23.77	3.31	24.93	PASS
Band13	5	23230	1	#Max	QPSK	23.77	3.31	24.93	PASS
Band13	5	23230	12	#0	QPSK	23.42	3.31	24.58	PASS
Band13	5	23230	12	#Mid	QPSK	23.19	3.31	24.35	PASS
Band13	5	23230	12	#Max	QPSK	23.21	3.31	24.37	PASS
Band13	5	23230	25	#0	QPSK	23.20	3.31	24.36	PASS
Band13	5	23230	1	#0	16QAM	23.71	3.31	24.87	PASS
Band13	5	23230	1	#Mid	16QAM	22.90	3.31	24.06	PASS
Band13	5	23230	1	#Max	16QAM	22.90	3.31	24.06	PASS
Band13	5	23230	12	#0	16QAM	22.23	3.31	23.39	PASS
Band13	5	23230	12	#Mid	16QAM	22.06	3.31	23.22	PASS
Band13	5	23230	12	#Max	16QAM	22.09	3.31	23.25	PASS
Band13	5	23230	25	#0	16QAM	22.07	3.31	23.23	PASS
Band13	5	23255	1	#0	QPSK	23.95	3.31	25.11	PASS
Band13	5	23255	1	#Mid	QPSK	23.50	3.31	24.66	PASS
Band13	5	23255	1	#Max	QPSK	23.05	3.31	24.21	PASS
Band13	5	23255	12	#0	QPSK	23.19	3.31	24.35	PASS
Band13	5	23255	12	#Mid	QPSK	22.95	3.31	24.11	PASS
Band13	5	23255	12	#Max	QPSK	22.70	3.31	23.86	PASS
Band13	5	23255	25	#0	QPSK	22.96	3.31	24.12	PASS
Band13	5	23255	1	#0	16QAM	23.12	3.31	24.28	PASS
Band13	5	23255	1	#Mid	16QAM	22.76	3.31	23.92	PASS
Band13	5	23255	1	#Max	16QAM	22.34	3.31	23.50	PASS
Band13	5	23255	12	#0	16QAM	22.09	3.31	23.25	PASS

Band13	5	23255	12	#Mid	16QAM	21.85	3.31	23.01	PASS
Band13	5	23255	12	#Max	16QAM	21.60	3.31	22.76	PASS
Band13	5	23255	25	#0	16QAM	21.86	3.31	23.02	PASS
Band13	10	23230	1	#0	QPSK	23.44	3.31	24.60	PASS
Band13	10	23230	1	#Mid	QPSK	23.46	3.31	24.62	PASS
Band13	10	23230	1	#Max	QPSK	23.41	3.31	24.57	PASS
Band13	10	23230	25	#0	QPSK	23.66	3.31	24.82	PASS
Band13	10	23230	25	#Mid	QPSK	23.20	3.31	24.36	PASS
Band13	10	23230	25	#Max	QPSK	23.06	3.31	24.22	PASS
Band13	10	23230	50	#0	QPSK	23.08	3.31	24.24	PASS
Band13	10	23230	1	#0	16QAM	23.60	3.31	24.76	PASS
Band13	10	23230	1	#Mid	16QAM	22.67	3.31	23.83	PASS
Band13	10	23230	1	#Max	16QAM	22.83	3.31	23.99	PASS
Band13	10	23230	25	#0	16QAM	22.60	3.31	23.76	PASS
Band13	10	23230	25	#Mid	16QAM	21.83	3.31	22.99	PASS
Band13	10	23230	25	#Max	16QAM	21.72	3.31	22.88	PASS
Band13	10	23230	50	#0	16QAM	21.72	3.31	22.88	PASS

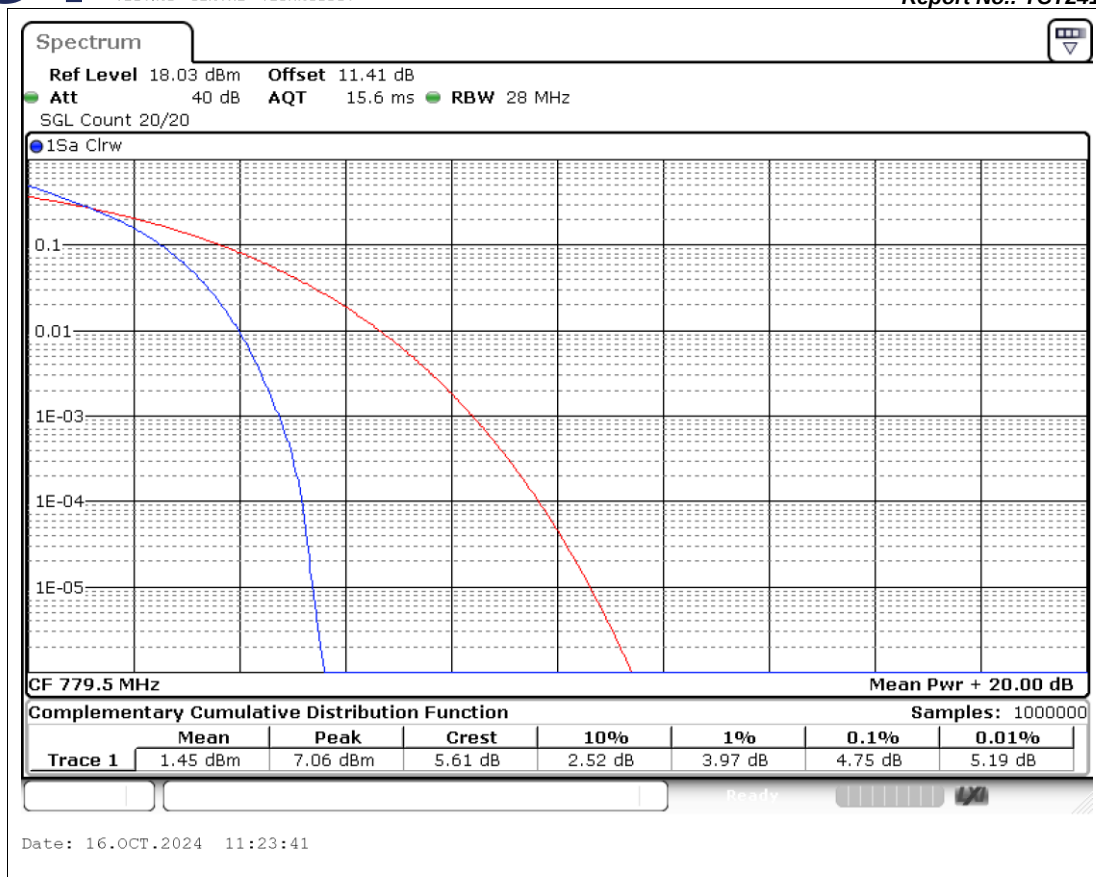
02. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band13	5	23205	25	#0	QPSK	VL	NT	-3.50	-0.004	±2.5	PASS
Band13	5	23205	25	#0	QPSK	VN	NT	-2.40	-0.003	±2.5	PASS
Band13	5	23205	25	#0	QPSK	VH	NT	-2.00	-0.003	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	-30	-3.40	-0.004	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	-20	-3.20	-0.004	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	-10	0.30	0.000	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	0	-1.50	-0.002	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	10	-0.90	-0.001	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	20	0.10	0.000	±2.5	PASS
Band13	5	23205	25	#0	16QAM	VL	NT	-1.80	-0.002	±2.5	PASS
Band13	5	23205	25	#0	16QAM	VN	NT	-2.70	-0.003	±2.5	PASS
Band13	5	23205	25	#0	16QAM	VH	NT	-4.30	-0.006	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	-30	-0.90	-0.001	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	-20	-1.20	-0.002	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	-10	-1.30	-0.002	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	0	-2.20	-0.003	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	10	-0.90	-0.001	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	20	-0.70	-0.001	±2.5	PASS
Band13	5	23230	25	#0	QPSK	VL	NT	-1.60	-0.002	±2.5	PASS
Band13	5	23230	25	#0	QPSK	VN	NT	-1.60	-0.002	±2.5	PASS
Band13	5	23230	25	#0	QPSK	VH	NT	-0.20	0.000	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	-30	1.70	0.002	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	-20	1.00	0.001	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	-10	1.40	0.002	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	0	-2.40	-0.003	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	10	-2.40	-0.003	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	20	-2.30	-0.003	±2.5	PASS
Band13	5	23230	25	#0	16QAM	VL	NT	-2.50	-0.003	±2.5	PASS
Band13	5	23230	25	#0	16QAM	VN	NT	-0.80	-0.001	±2.5	PASS
Band13	5	23230	25	#0	16QAM	VH	NT	-1.20	-0.002	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	-30	1.60	0.002	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	-20	-0.20	0.000	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	-10	0.00	0.000	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	0	-0.30	0.000	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	10	1.40	0.002	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	20	-2.50	-0.003	±2.5	PASS
Band13	5	23255	25	#0	QPSK	VL	NT	1.10	0.001	±2.5	PASS
Band13	5	23255	25	#0	QPSK	VN	NT	0.80	0.001	±2.5	PASS
Band13	5	23255	25	#0	QPSK	VH	NT	-0.60	-0.001	±2.5	PASS

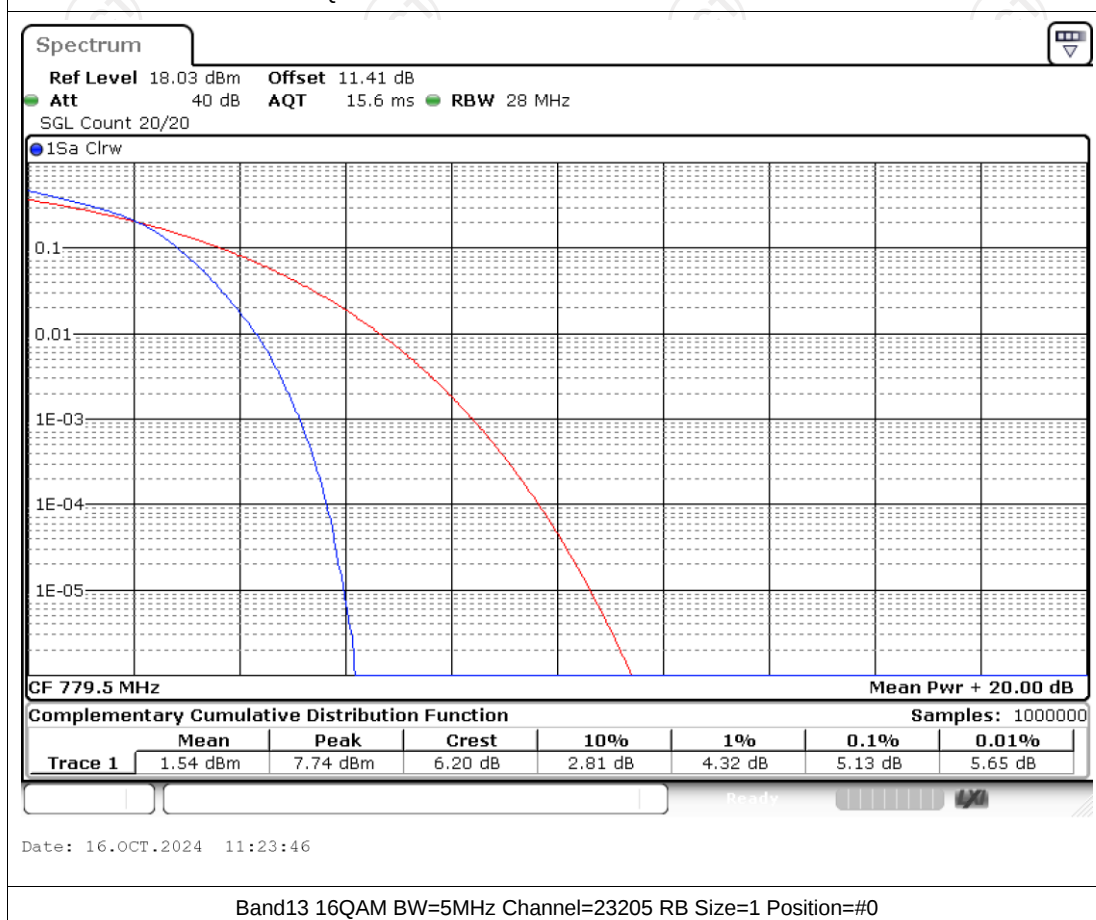
Band13	5	23255	25	#0	QPSK	NV	-30	-2.70	-0.003	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	-20	1.30	0.002	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	-10	0.80	0.001	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	0	-2.20	-0.003	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	10	-2.30	-0.003	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	20	-2.40	-0.003	±2.5	PASS
Band13	5	23255	25	#0	16QAM	VL	NT	1.60	0.002	±2.5	PASS
Band13	5	23255	25	#0	16QAM	VN	NT	1.40	0.002	±2.5	PASS
Band13	5	23255	25	#0	16QAM	VH	NT	0.30	0.000	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	-30	0.10	0.000	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	-20	-2.80	-0.004	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	-10	-1.10	-0.001	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	0	-2.40	-0.003	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	10	1.70	0.002	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	20	-1.20	-0.002	±2.5	PASS

03. 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	4.75	13	PASS
Band13	5	23205	1	#0	16QAM	5.13	13	PASS
Band13	5	23230	1	#0	QPSK	4.90	13	PASS
Band13	5	23230	1	#0	16QAM	5.80	13	PASS
Band13	5	23255	1	#0	QPSK	5.22	13	PASS
Band13	5	23255	1	#0	16QAM	6.14	13	PASS
Band13	10	23230	1	#0	QPSK	4.93	13	PASS
Band13	10	23230	1	#0	16QAM	5.33	13	PASS



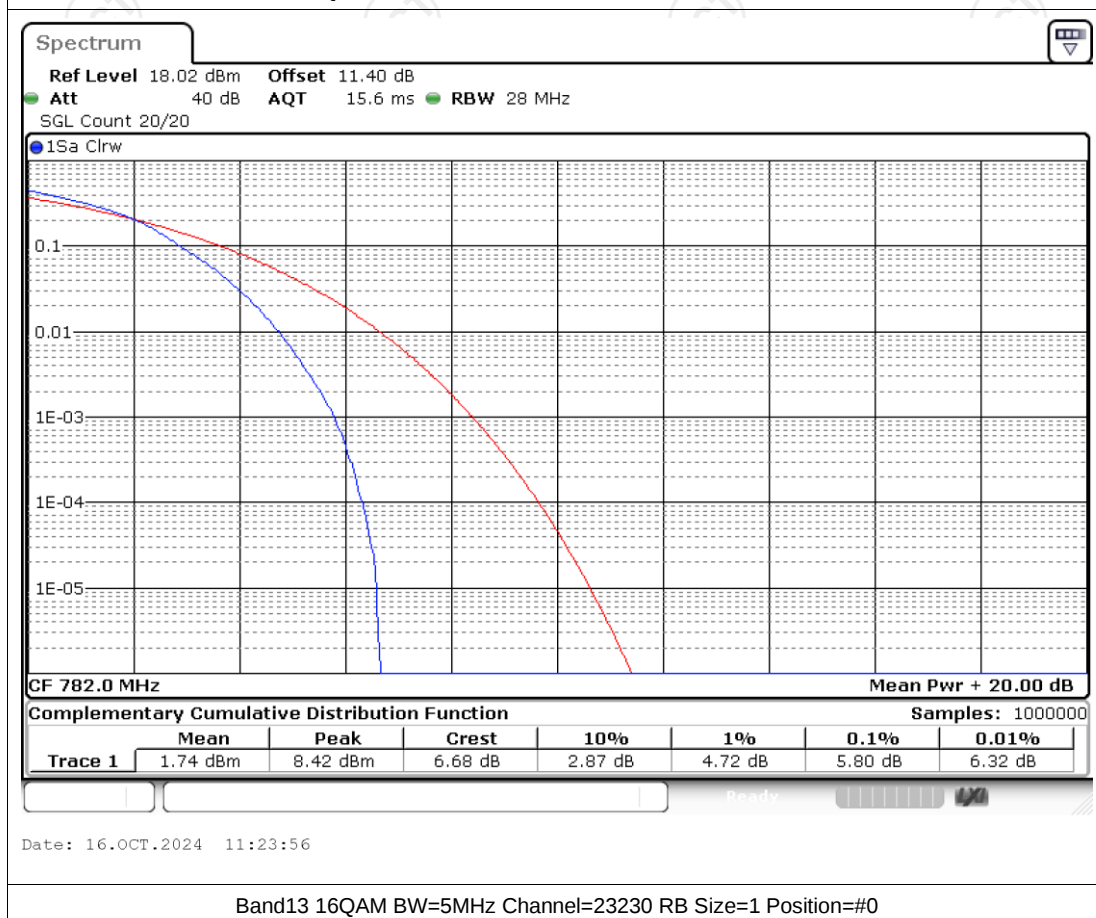
Band13 QPSK BW=5MHz Channel=23205 RB Size=1 Position=#0



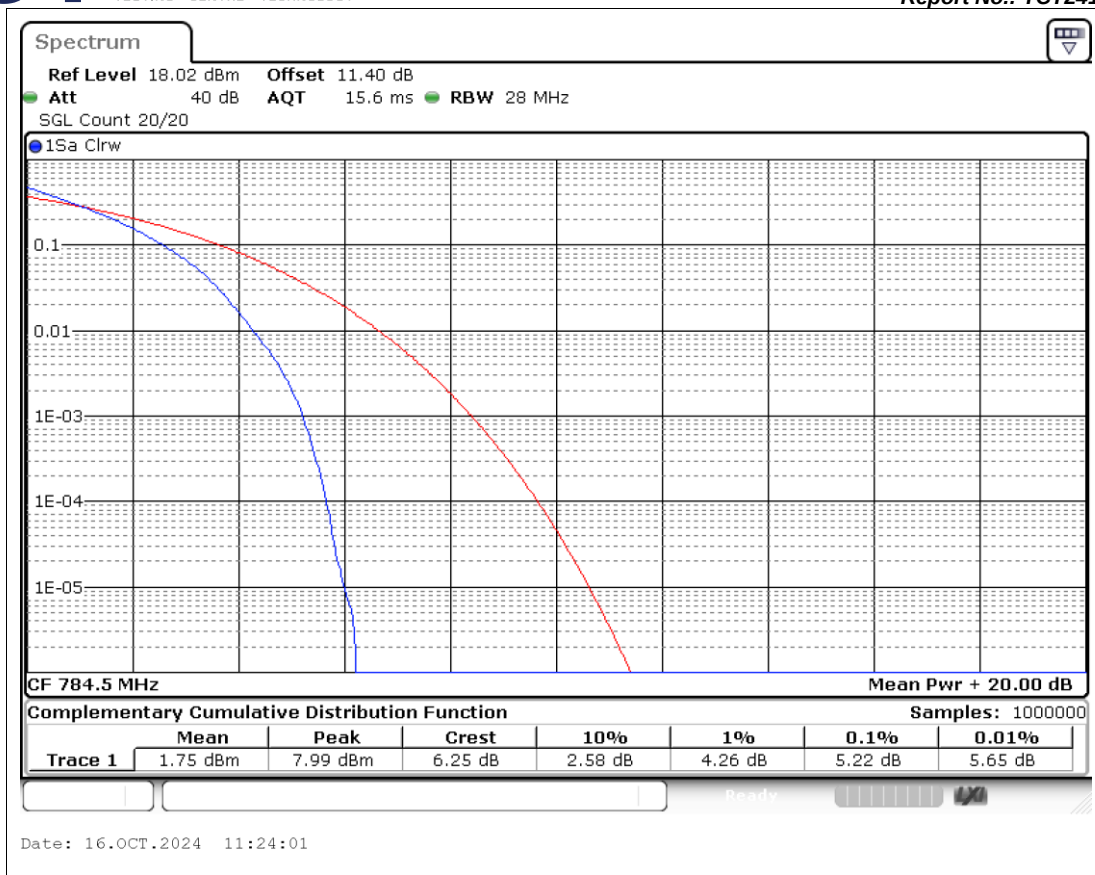
Band13 16QAM BW=5MHz Channel=23205 RB Size=1 Position=#0



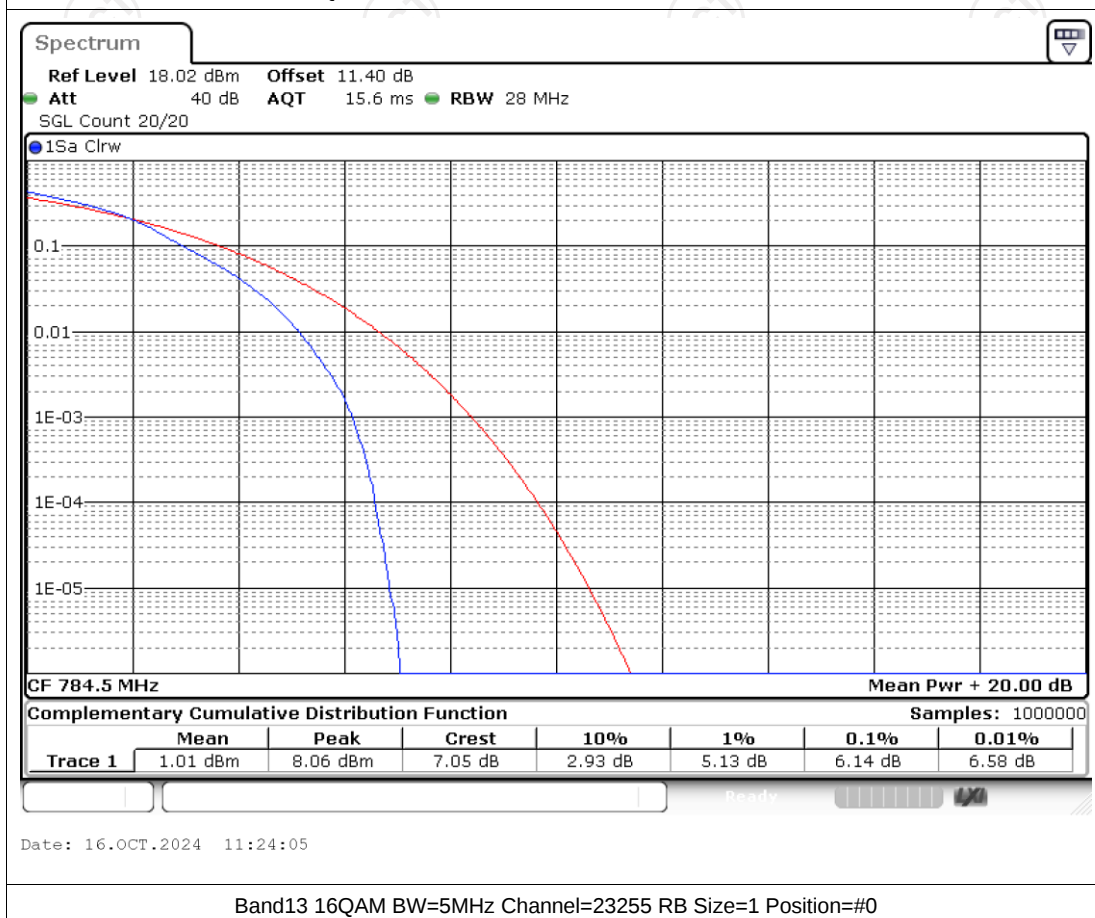
Band13 QPSK BW=5MHz Channel=23230 RB Size=1 Position=#0



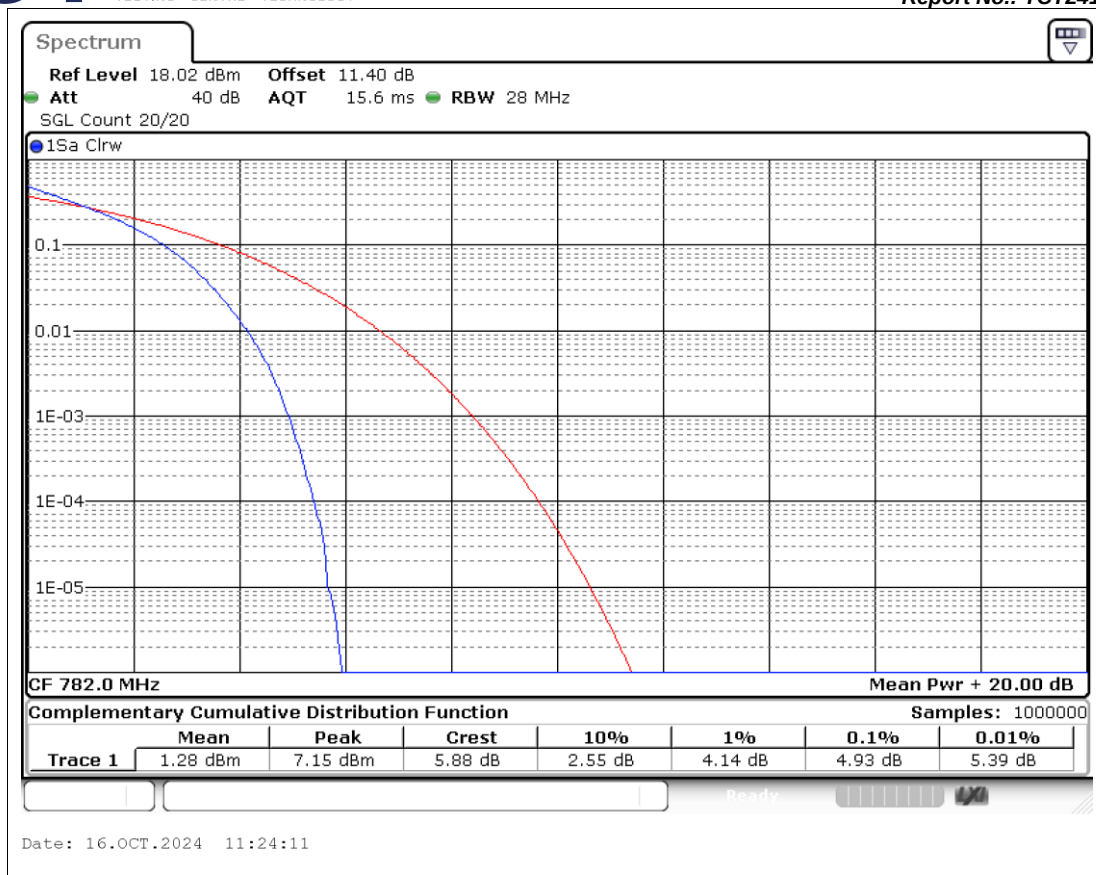
Band13 16QAM BW=5MHz Channel=23230 RB Size=1 Position=#0



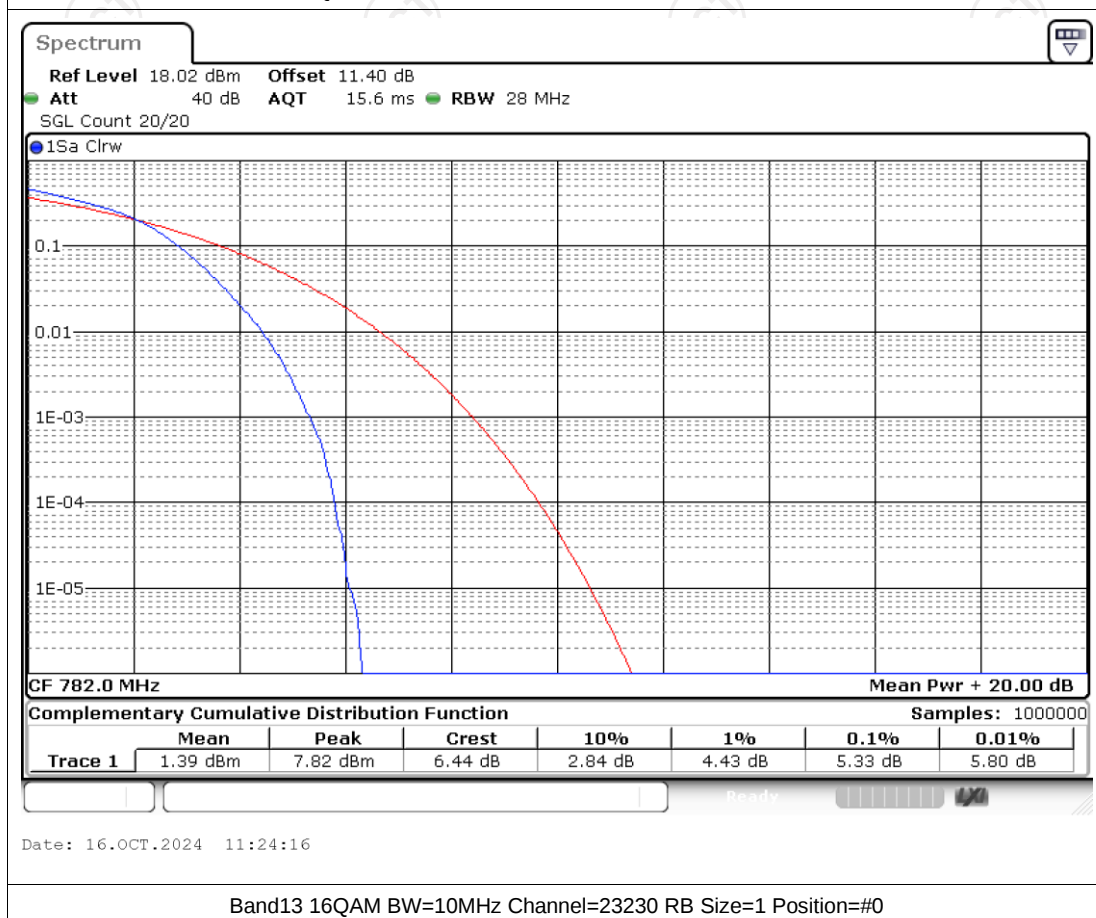
Band13 QPSK BW=5MHz Channel=23255 RB Size=1 Position=#0



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



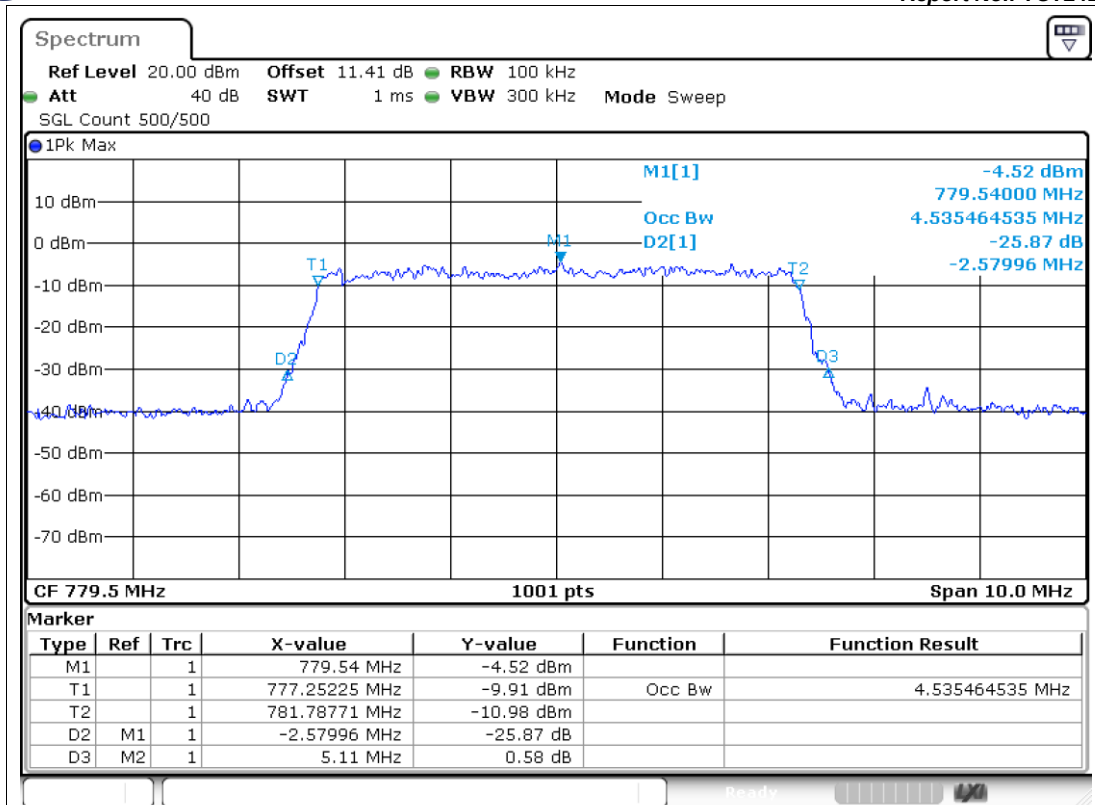
Band13 QPSK BW=10MHz Channel=23230 RB Size=1 Position=#0



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

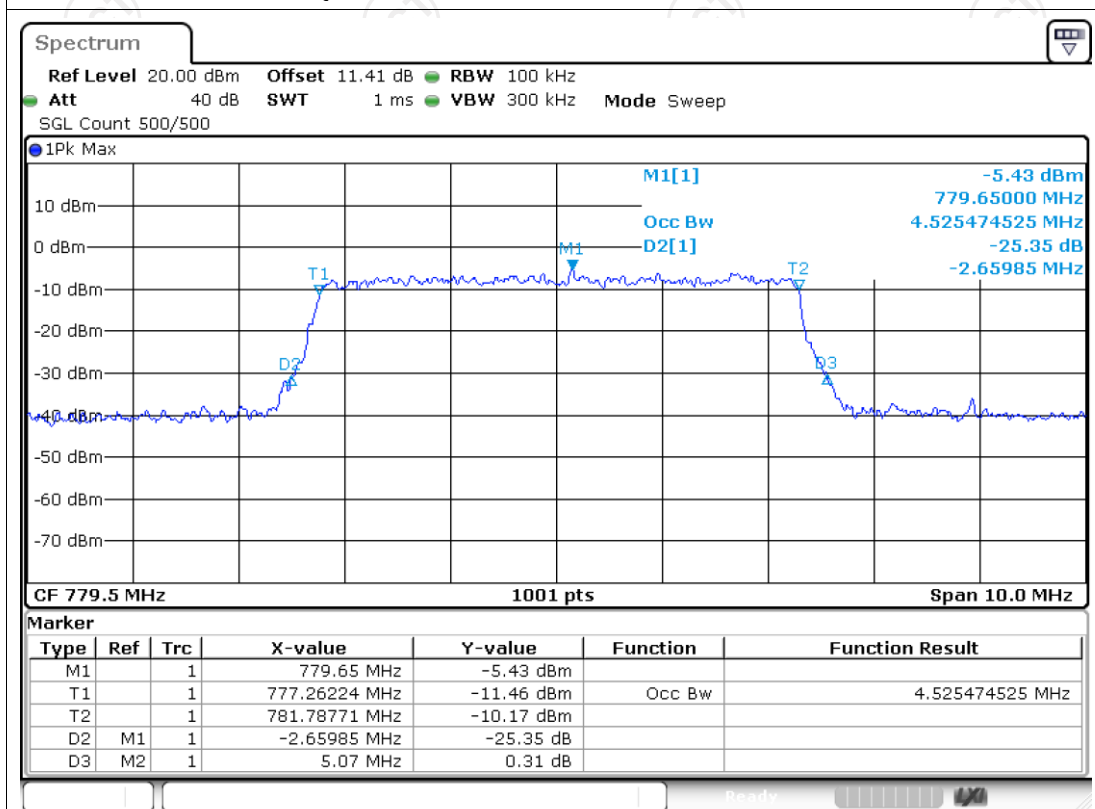
04. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.535	5.110	PASS
Band13	5	23205	25	#0	16QAM	4.525	5.070	PASS
Band13	5	23230	25	#0	QPSK	4.535	5.140	PASS
Band13	5	23230	25	#0	16QAM	4.525	5.090	PASS
Band13	5	23255	25	#0	QPSK	4.515	5.060	PASS
Band13	5	23255	25	#0	16QAM	4.525	5.130	PASS
Band13	10	23230	50	#0	QPSK	8.991	10.060	PASS
Band13	10	23230	50	#0	16QAM	9.031	10.220	PASS



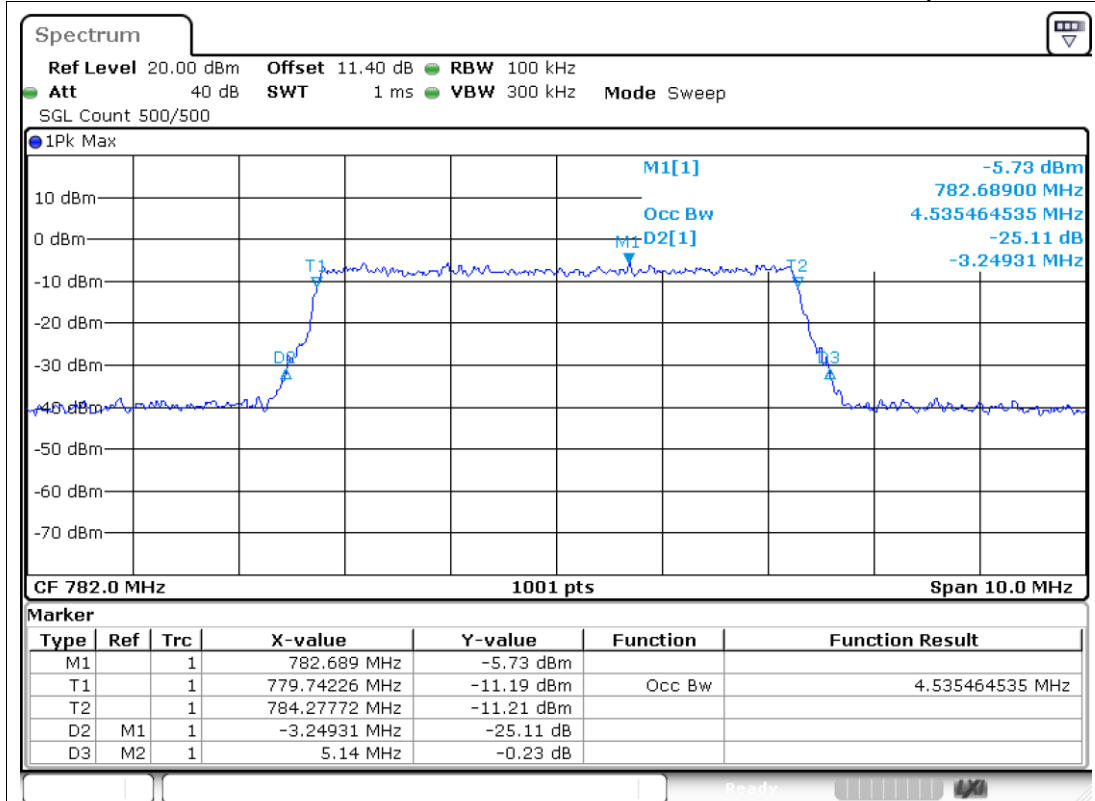
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Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



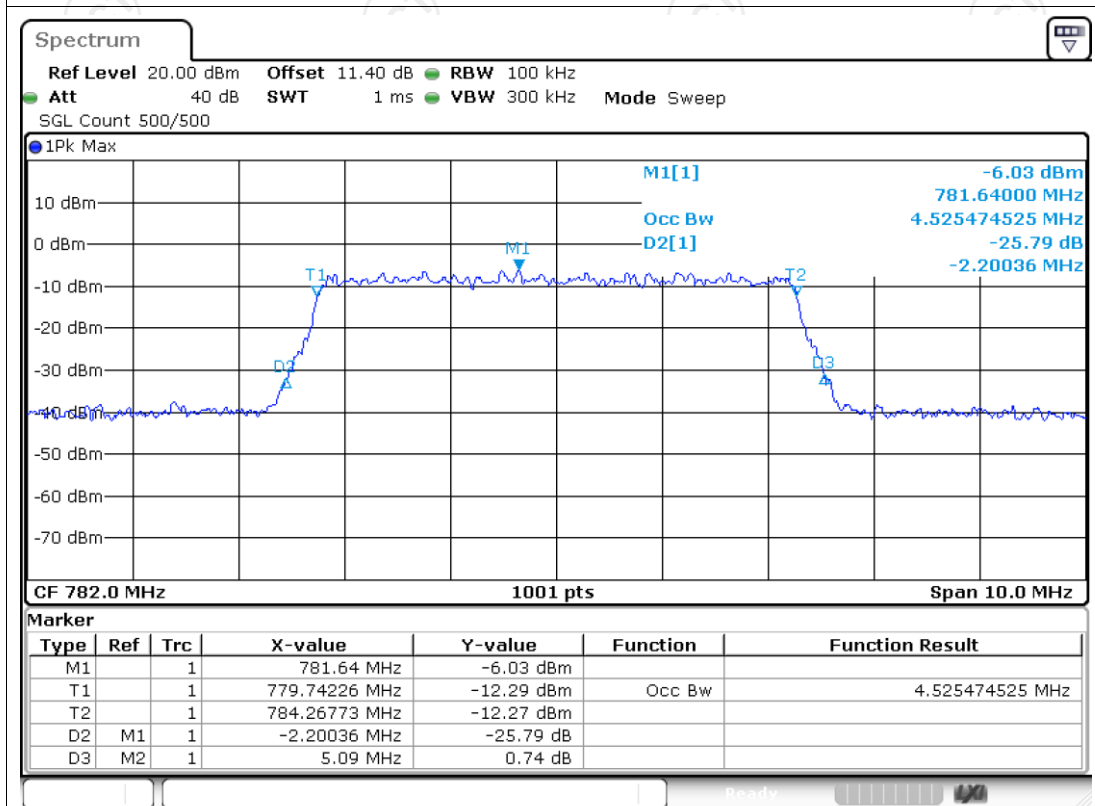
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Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



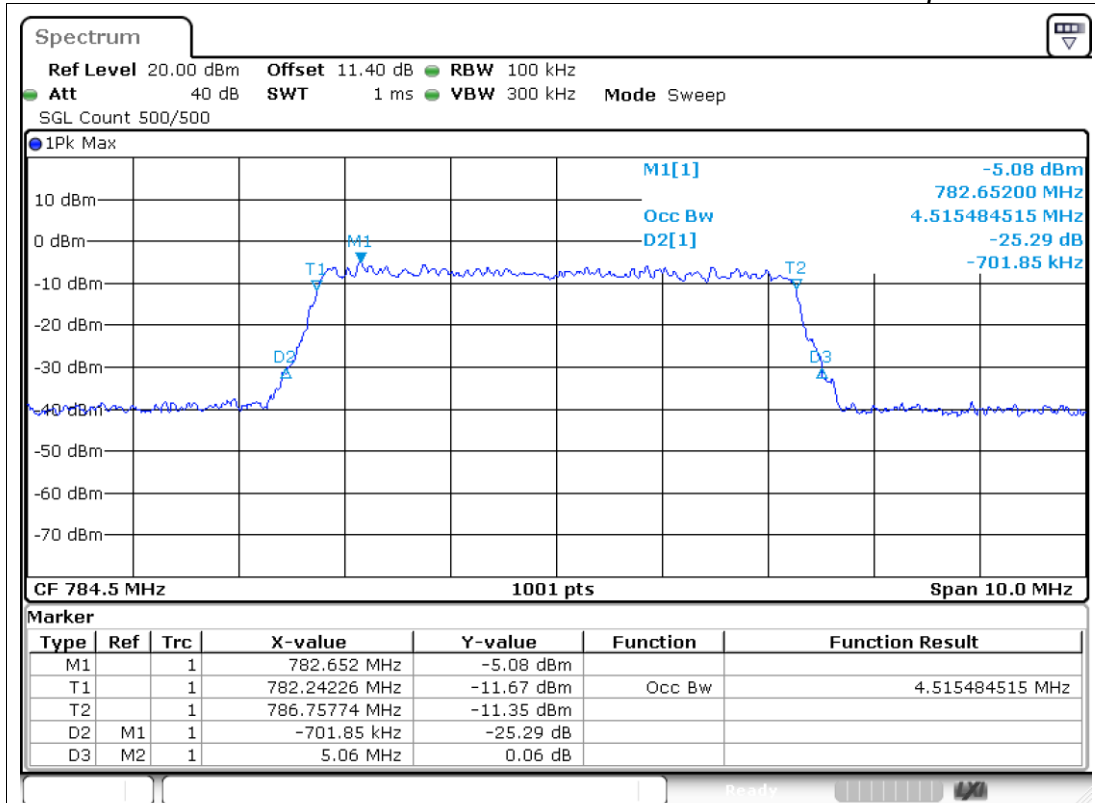
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Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



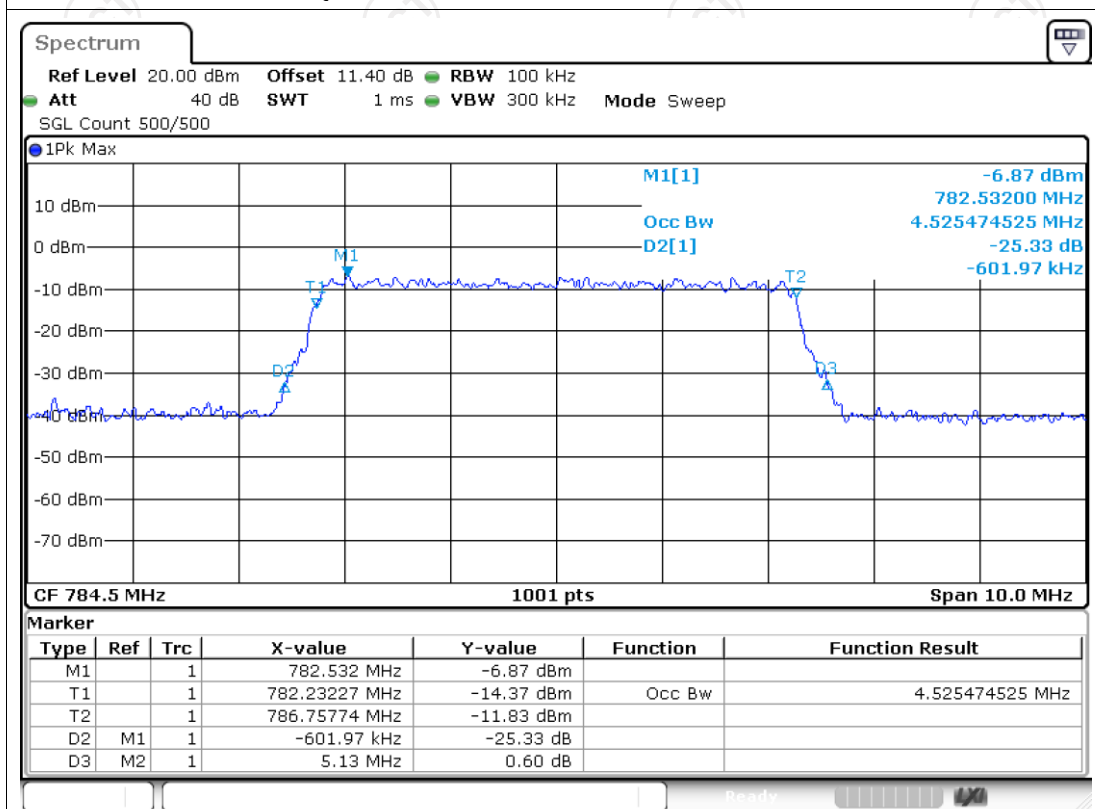
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Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



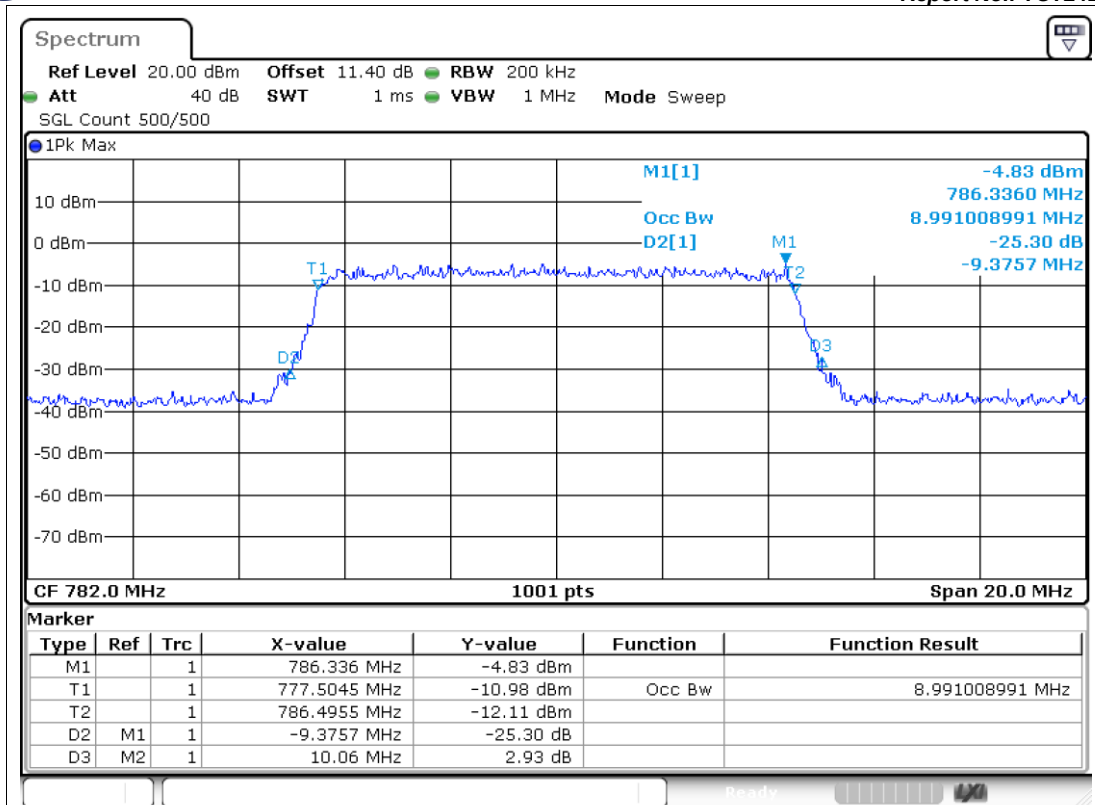
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Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



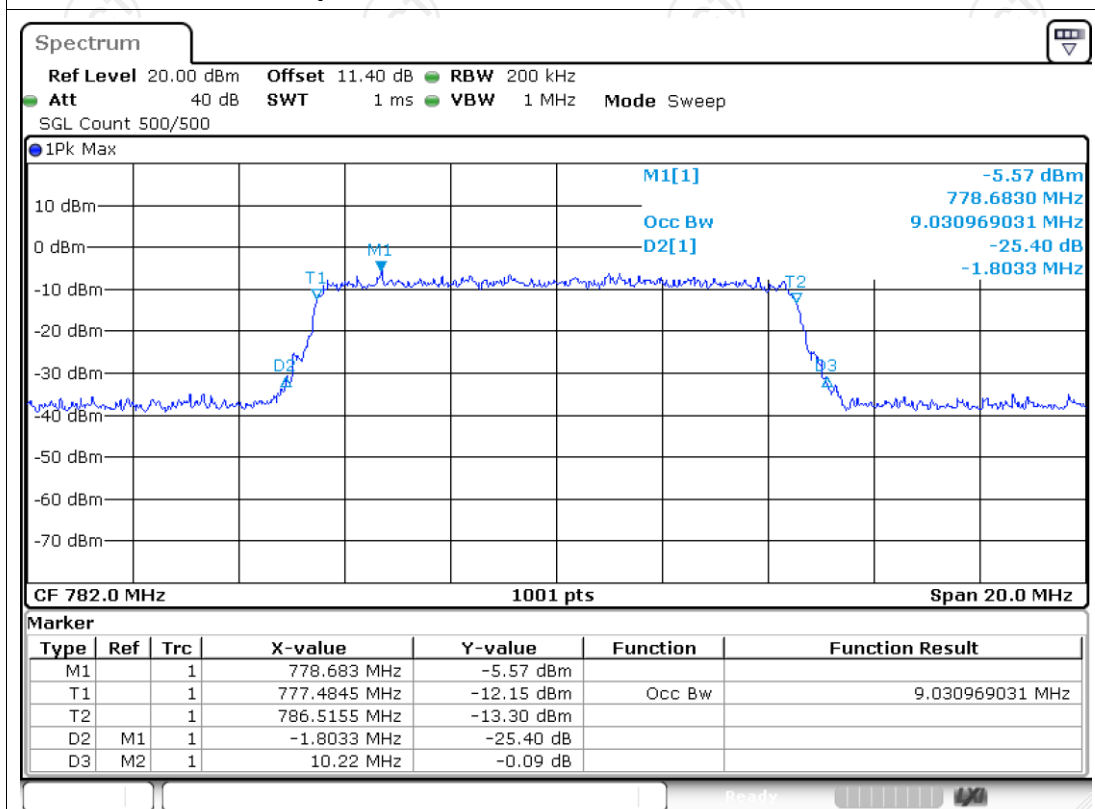
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Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



Date: 16.OCT.2024 11:25:18

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



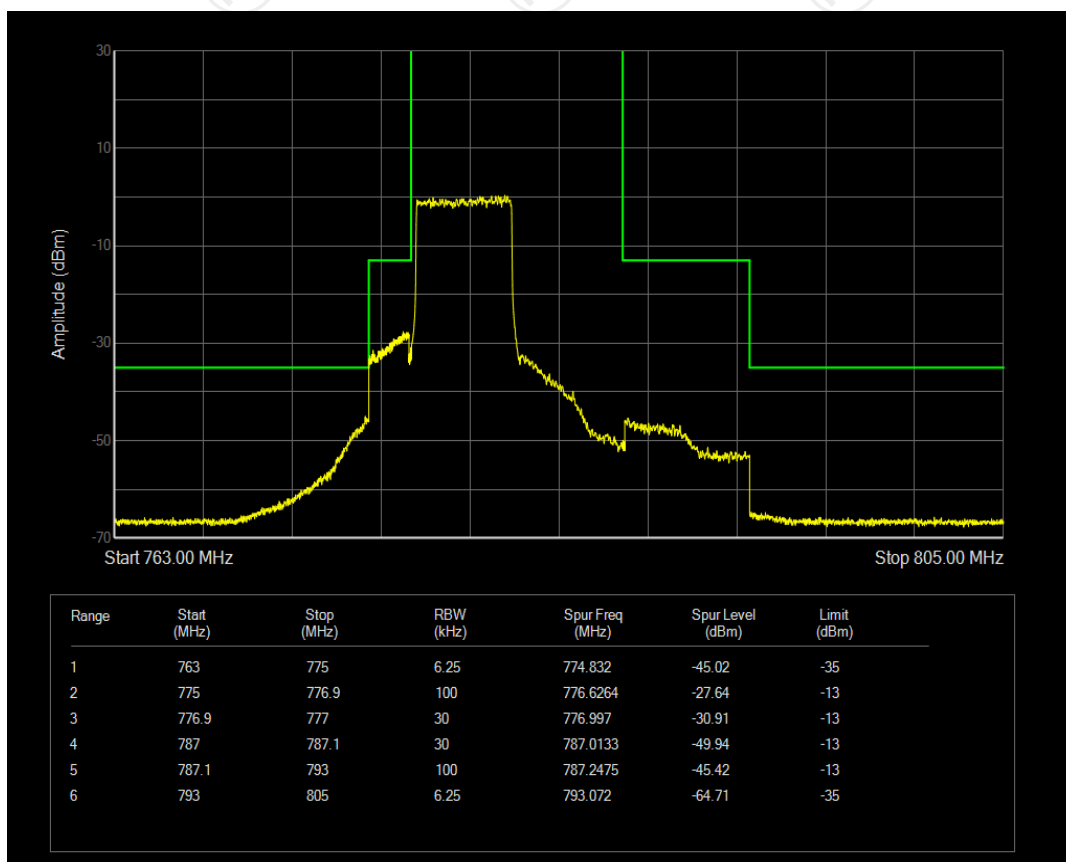
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Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0

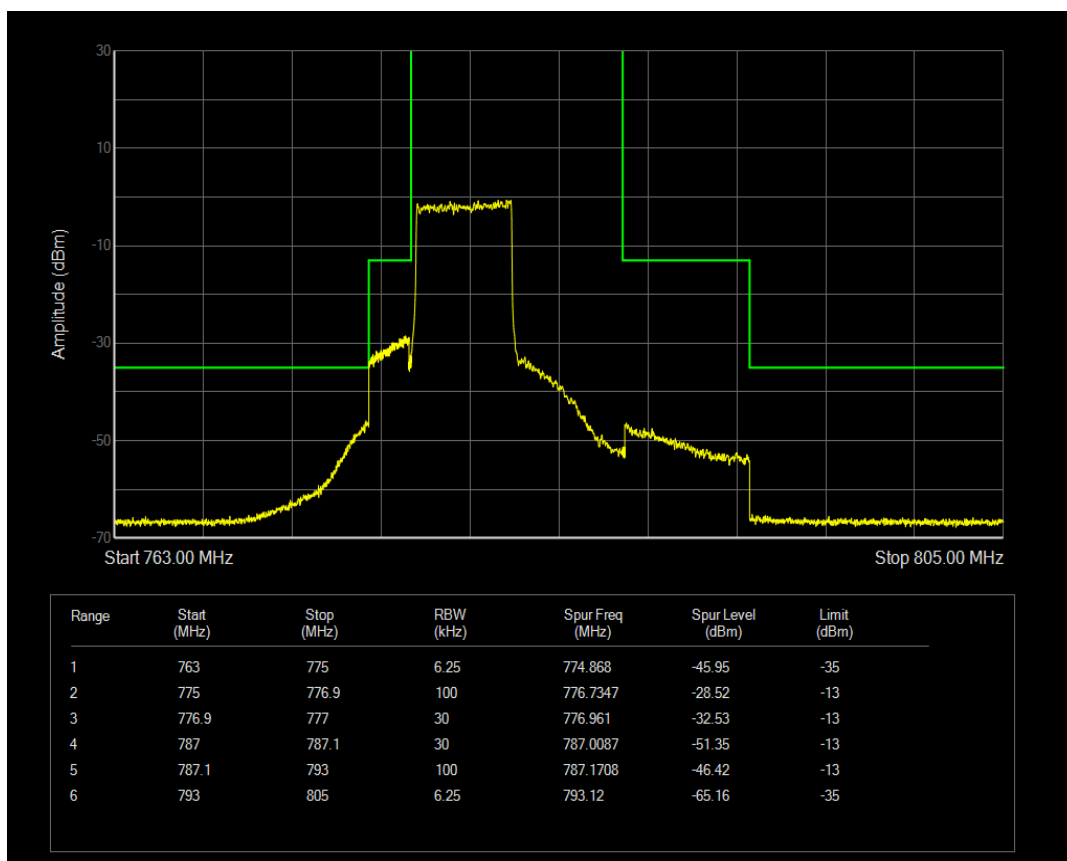
05. Band edge

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	774.83	-45.02	-35	PASS
Band13	5	23205	25	#0	16QAM	774.87	-45.95	-35	PASS
Band13	5	23255	25	#0	QPSK	787.24	-29.49	-13	PASS
Band13	5	23255	25	#0	16QAM	787.21	-30.23	-13	PASS
Band13	10	23230	50	#0	QPSK	774.95	-48.64	-35	PASS
Band13	10	23230	50	#0	16QAM	774.96	-49.19	-35	PASS

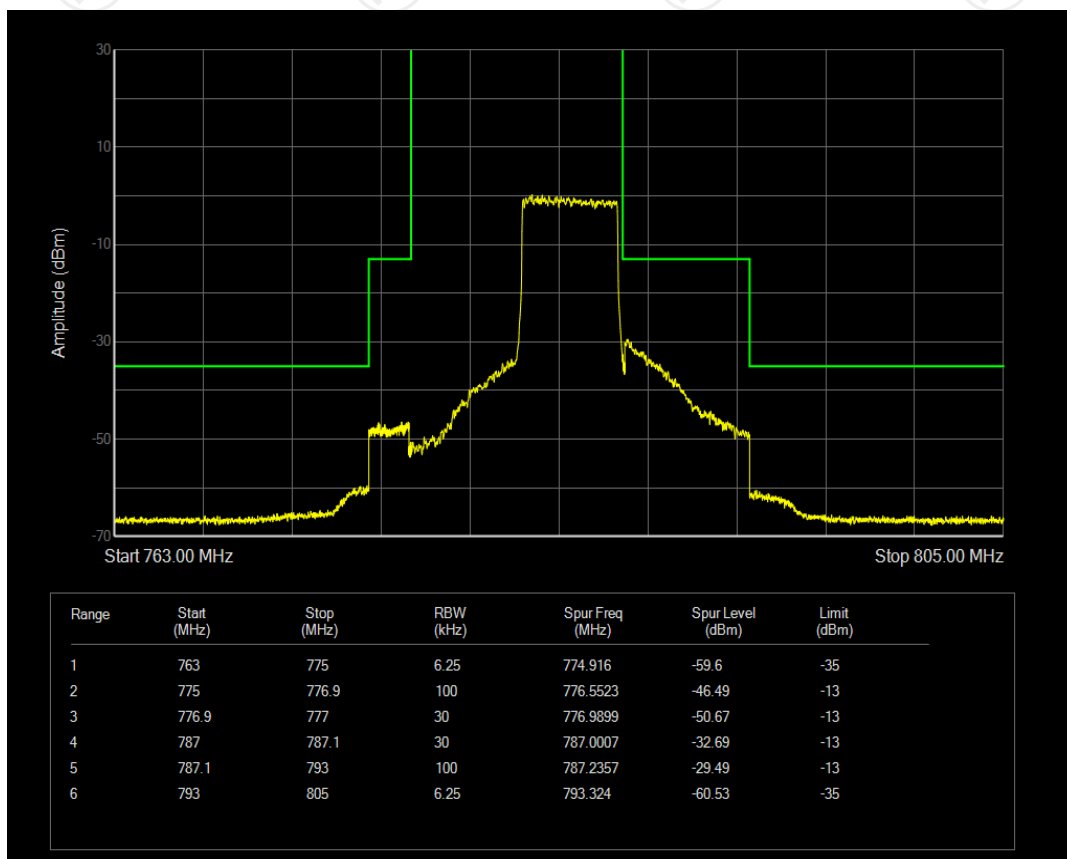
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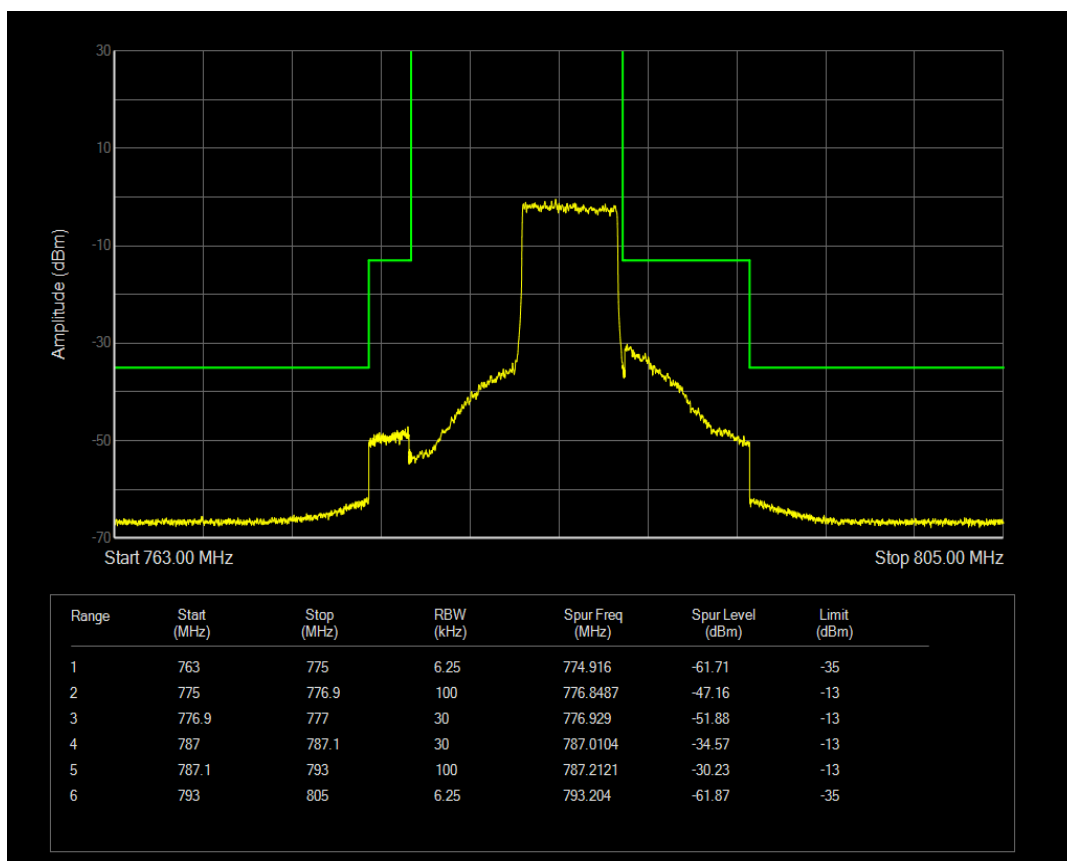
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



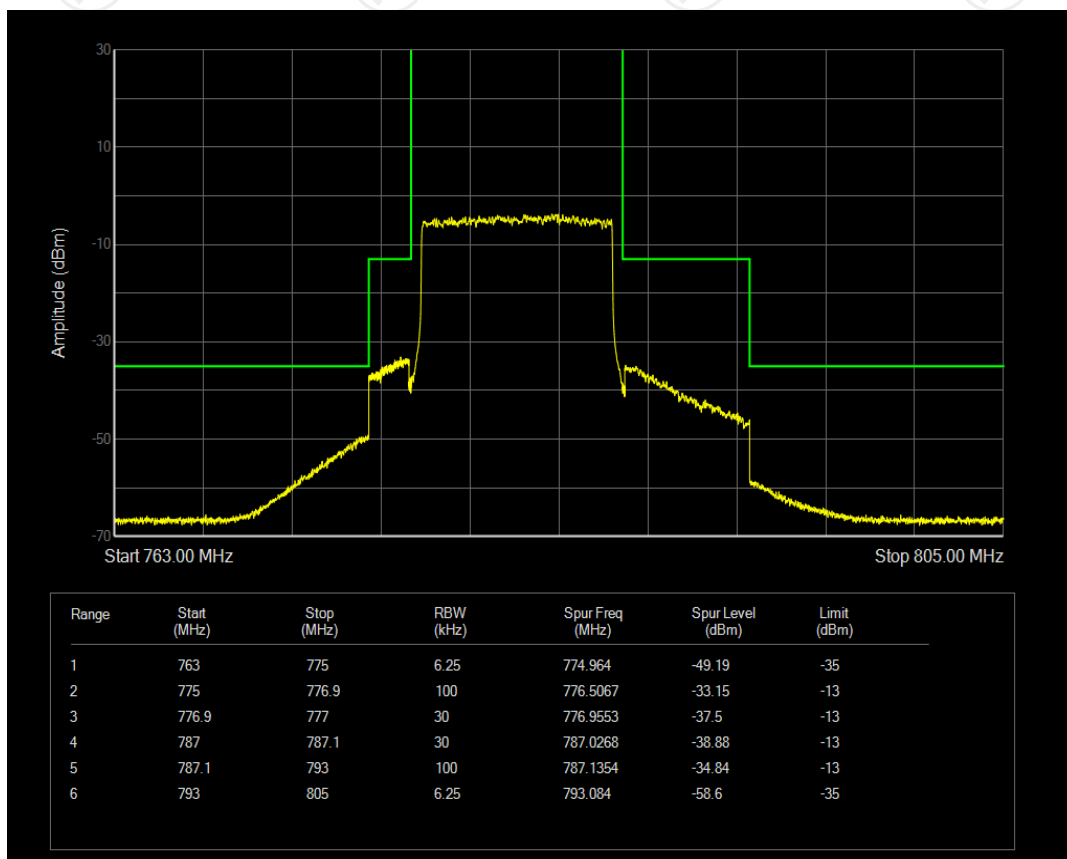
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



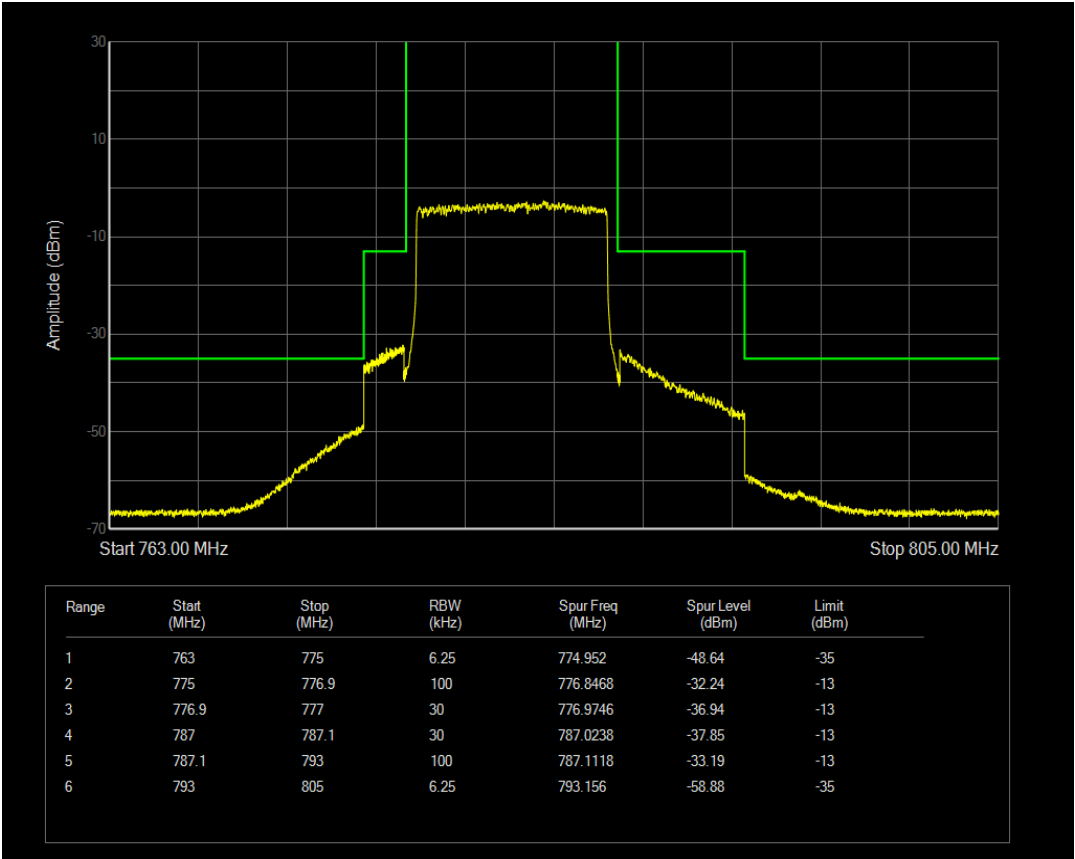
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Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



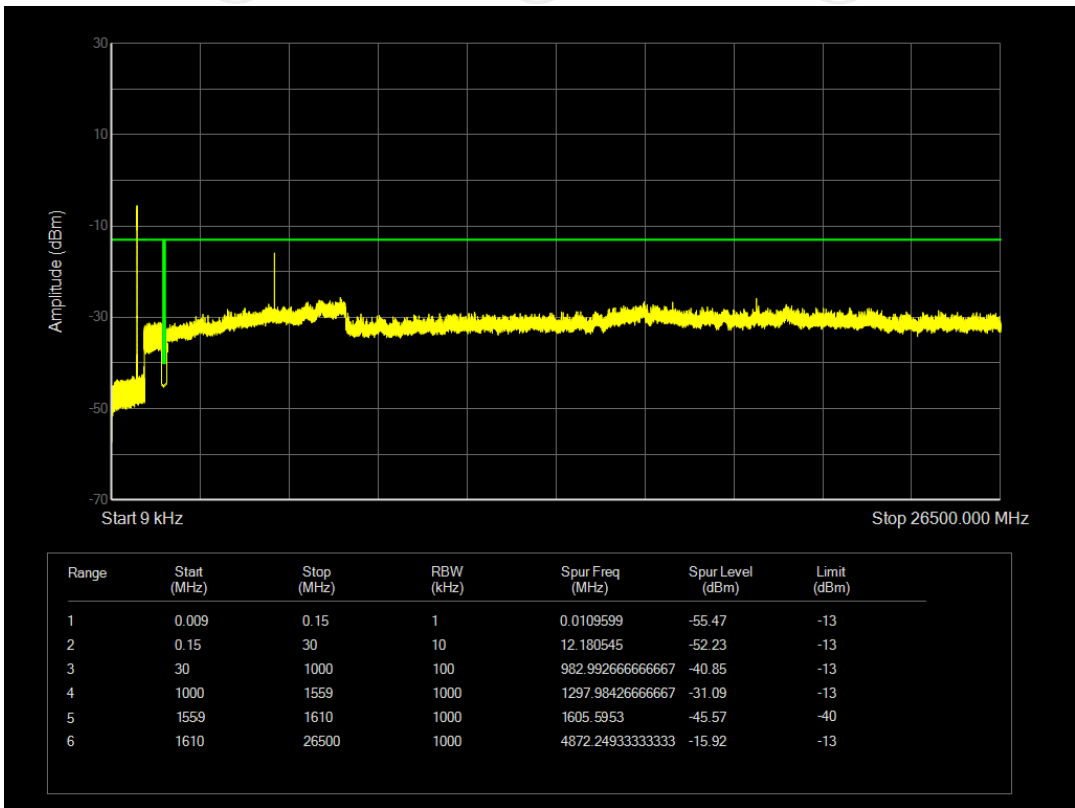
Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



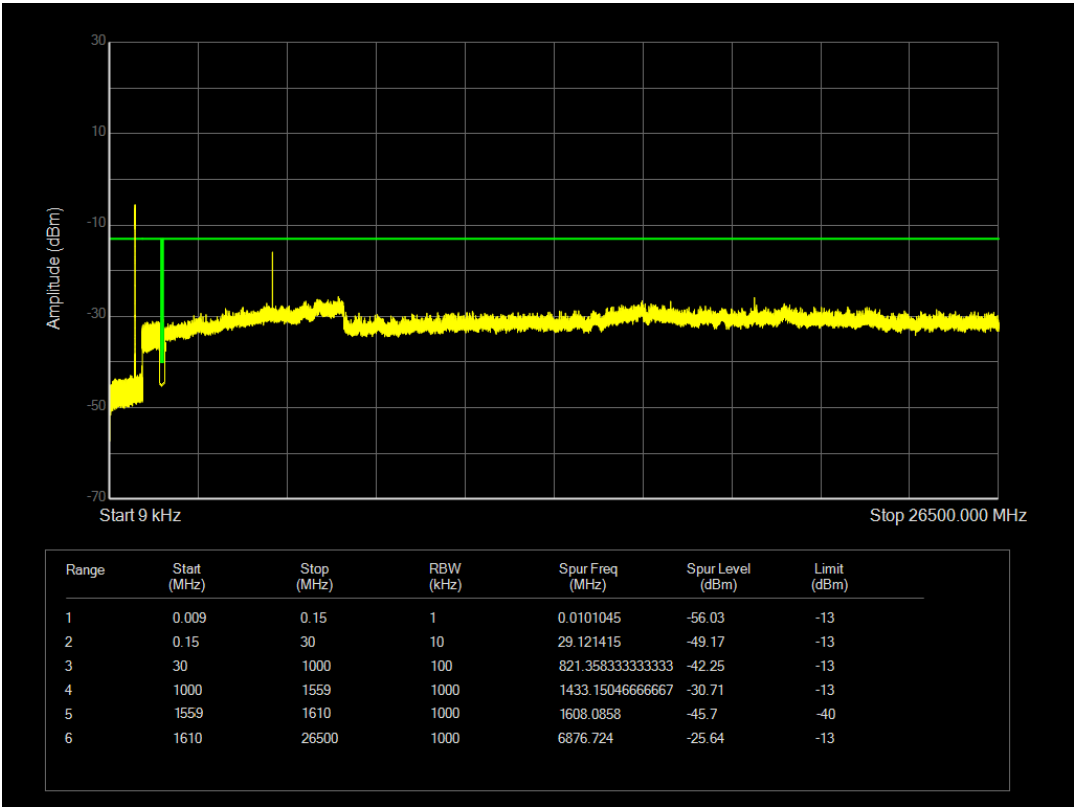
06. Out-of-band emissions

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	1605.60	-45.57	-40	PASS
Band13	5	23205	25	#0	16QAM	1608.09	-45.70	-40	PASS
Band13	5	23255	25	#0	QPSK	1587.42	-45.99	-40	PASS
Band13	5	23255	25	#0	16QAM	1598.90	-45.57	-40	PASS
Band13	10	23230	50	#0	QPSK	1592.71	-45.06	-40	PASS
Band13	10	23230	50	#0	16QAM	1572.58	-45.19	-40	PASS

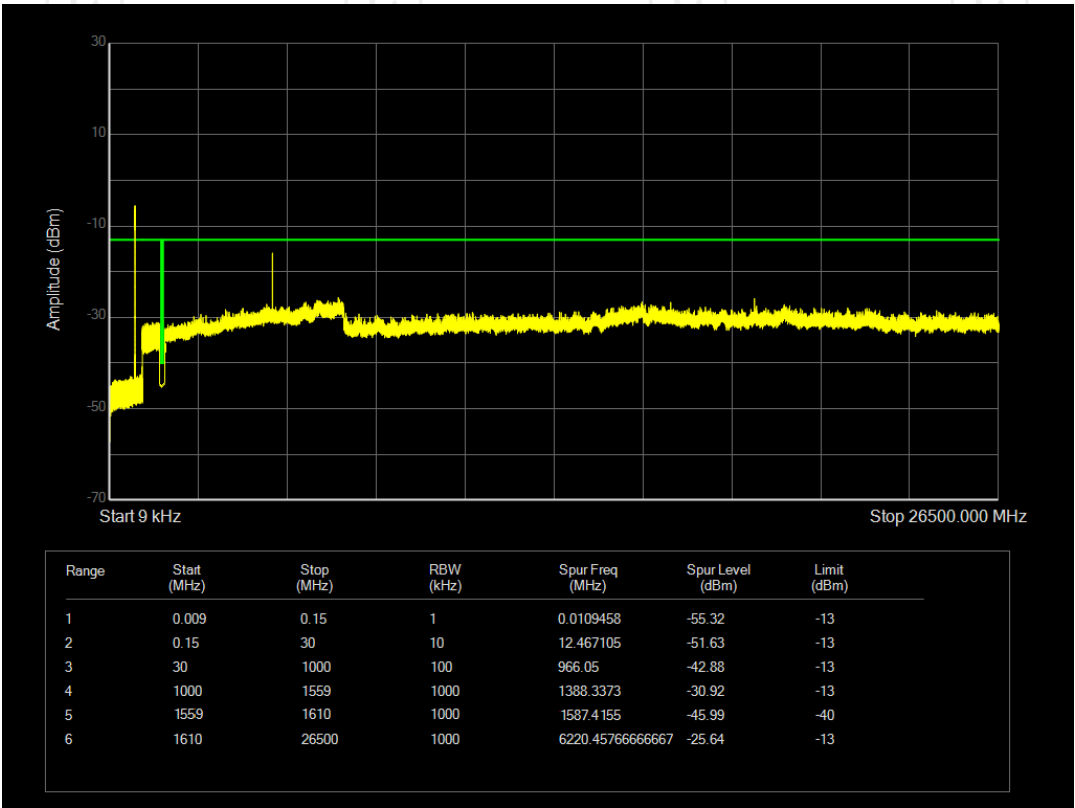
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



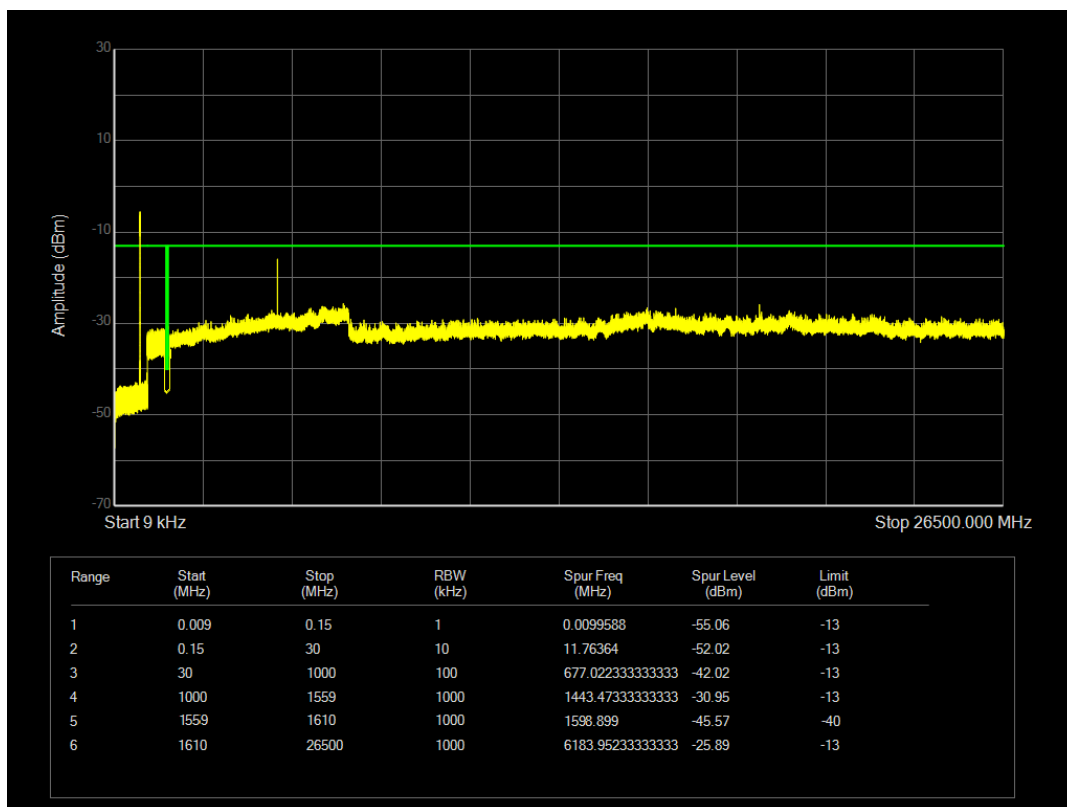
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



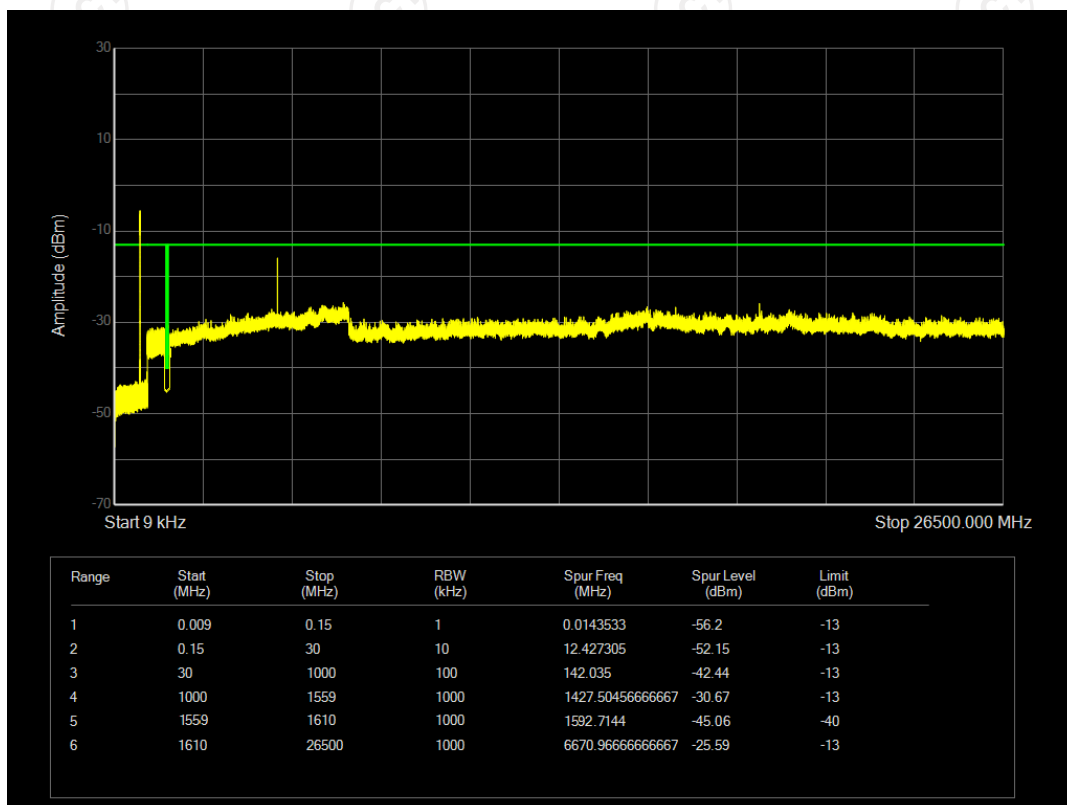
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Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



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



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

