

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	ERP (dBm)	Verdict
Band13	5	23205	1	#0	QPSK	22.30	-2.38	17.77	PASS
Band13	5	23205	1	#Mid	QPSK	22.42	-2.38	17.89	PASS
Band13	5	23205	1	#Max	QPSK	22.17	-2.38	17.64	PASS
Band13	5	23205	12	#0	QPSK	21.26	-2.38	16.73	PASS
Band13	5	23205	12	#Mid	QPSK	21.35	-2.38	16.82	PASS
Band13	5	23205	12	#Max	QPSK	21.34	-2.38	16.81	PASS
Band13	5	23205	25	#0	QPSK	21.30	-2.38	16.77	PASS
Band13	5	23205	1	#0	16QAM	21.66	-2.38	17.13	PASS
Band13	5	23205	1	#Mid	16QAM	21.85	-2.38	17.32	PASS
Band13	5	23205	1	#Max	16QAM	21.55	-2.38	17.02	PASS
Band13	5	23205	12	#0	16QAM	20.28	-2.38	15.75	PASS
Band13	5	23205	12	#Mid	16QAM	20.36	-2.38	15.83	PASS
Band13	5	23205	12	#Max	16QAM	20.39	-2.38	15.86	PASS
Band13	5	23205	25	#0	16QAM	20.30	-2.38	15.77	PASS
Band13	5	23230	1	#0	QPSK	22.34	-2.38	17.81	PASS
Band13	5	23230	1	#Mid	QPSK	22.32	-2.38	17.79	PASS
Band13	5	23230	1	#Max	QPSK	22.39	-2.38	17.86	PASS
Band13	5	23230	12	#0	QPSK	21.22	-2.38	16.69	PASS
Band13	5	23230	12	#Mid	QPSK	21.20	-2.38	16.67	PASS
Band13	5	23230	12	#Max	QPSK	21.26	-2.38	16.73	PASS
Band13	5	23230	25	#0	QPSK	21.20	-2.38	16.67	PASS
Band13	5	23230	1	#0	16QAM	21.70	-2.38	17.17	PASS
Band13	5	23230	1	#Mid	16QAM	22.06	-2.38	17.53	PASS
Band13	5	23230	1	#Max	16QAM	21.71	-2.38	17.18	PASS
Band13	5	23230	12	#0	16QAM	20.32	-2.38	15.79	PASS
Band13	5	23230	12	#Mid	16QAM	20.41	-2.38	15.88	PASS
Band13	5	23230	12	#Max	16QAM	20.36	-2.38	15.83	PASS
Band13	5	23230	25	#0	16QAM	20.26	-2.38	15.73	PASS
Band13	5	23255	1	#0	QPSK	22.33	-2.38	17.80	PASS
Band13	5	23255	1	#Mid	QPSK	22.25	-2.38	17.72	PASS
Band13	5	23255	1	#Max	QPSK	22.18	-2.38	17.65	PASS
Band13	5	23255	12	#0	QPSK	21.22	-2.38	16.69	PASS
Band13	5	23255	12	#Mid	QPSK	21.31	-2.38	16.78	PASS
Band13	5	23255	12	#Max	QPSK	21.31	-2.38	16.78	PASS
Band13	5	23255	25	#0	QPSK	21.16	-2.38	16.63	PASS
Band13	5	23255	1	#0	16QAM	21.66	-2.38	17.13	PASS
Band13	5	23255	1	#Mid	16QAM	21.72	-2.38	17.19	PASS
Band13	5	23255	1	#Max	16QAM	21.51	-2.38	16.98	PASS

Band13	5	23255	12	#0	16QAM	20.39	-2.38	15.86	PASS
Band13	5	23255	12	#Mid	16QAM	20.34	-2.38	15.81	PASS
Band13	5	23255	12	#Max	16QAM	20.38	-2.38	15.85	PASS
Band13	5	23255	25	#0	16QAM	20.19	-2.38	15.66	PASS
Band13	10	23230	1	#0	QPSK	22.24	-2.38	17.71	PASS
Band13	10	23230	1	#Mid	QPSK	22.22	-2.38	17.69	PASS
Band13	10	23230	1	#Max	QPSK	22.31	-2.38	17.78	PASS
Band13	10	23230	25	#0	QPSK	21.33	-2.38	16.80	PASS
Band13	10	23230	25	#Mid	QPSK	21.29	-2.38	16.76	PASS
Band13	10	23230	25	#Max	QPSK	21.31	-2.38	16.78	PASS
Band13	10	23230	50	#0	QPSK	21.31	-2.38	16.78	PASS
Band13	10	23230	1	#0	16QAM	21.53	-2.38	17.00	PASS
Band13	10	23230	1	#Mid	16QAM	21.50	-2.38	16.97	PASS
Band13	10	23230	1	#Max	16QAM	21.58	-2.38	17.05	PASS
Band13	10	23230	25	#0	16QAM	20.30	-2.38	15.77	PASS
Band13	10	23230	25	#Mid	16QAM	20.38	-2.38	15.85	PASS
Band13	10	23230	25	#Max	16QAM	20.37	-2.38	15.84	PASS
Band13	10	23230	50	#0	16QAM	20.29	-2.38	15.76	PASS

2 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	-0.40	-0.001	±2.5	PASS
Band13	5	23205	25	#0	QPSK	VN	NT	0.80	0.001	±2.5	PASS
Band13	5	23205	25	#0	QPSK	VH	NT	0.60	0.001	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	-30	-2.40	-0.003	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	-20	-1.40	-0.002	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	-10	-1.10	-0.001	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	0	-0.10	0.000	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	10	-1.80	-0.002	±2.5	PASS
Band13	5	23205	25	#0	QPSK	NV	20	-1.30	-0.002	±2.5	PASS
Band13	5	23205	25	#0	16QAM	VL	NT	0.30	0.000	±2.5	PASS
Band13	5	23205	25	#0	16QAM	VN	NT	0.20	0.000	±2.5	PASS
Band13	5	23205	25	#0	16QAM	VH	NT	1.60	0.002	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	-30	1.30	0.002	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	-20	0.30	0.000	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	-10	-0.30	0.000	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	0	0.40	0.001	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	10	-0.10	0.000	±2.5	PASS
Band13	5	23205	25	#0	16QAM	NV	20	0.80	0.001	±2.5	PASS
Band13	5	23230	25	#0	QPSK	VL	NT	5.20	0.007	±2.5	PASS
Band13	5	23230	25	#0	QPSK	VN	NT	2.10	0.003	±2.5	PASS

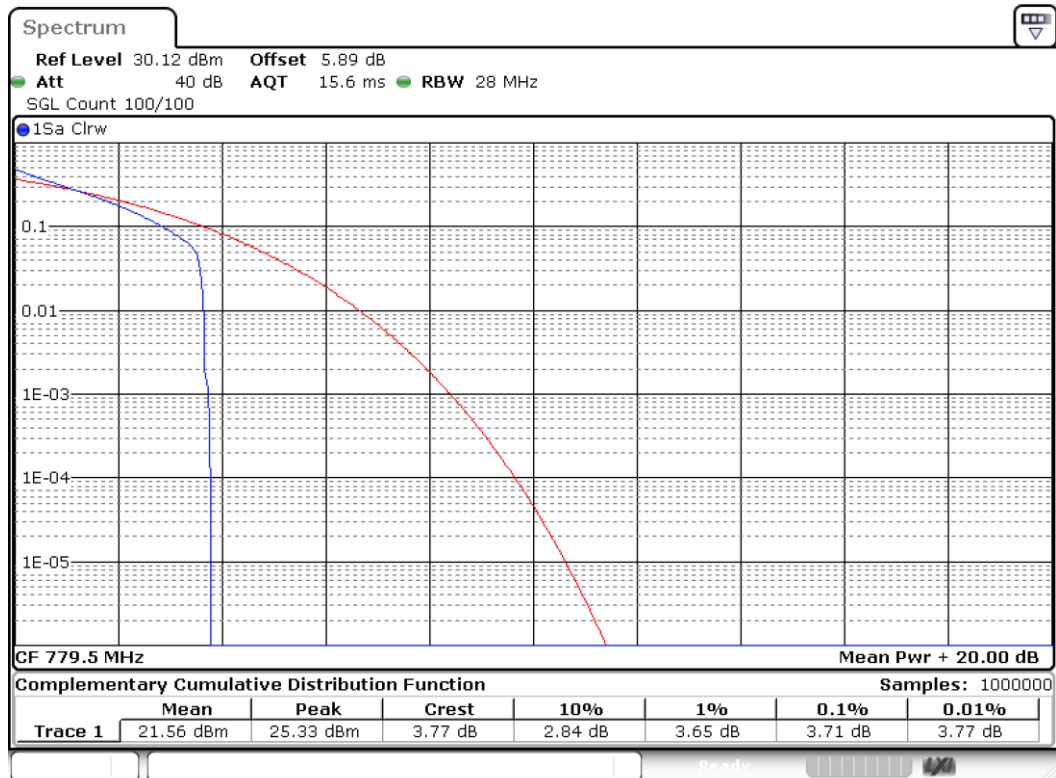
Band13	5	23230	25	#0	QPSK	VH	NT	3.70	0.005	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	-30	2.50	0.003	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	-20	1.50	0.002	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	-10	2.00	0.003	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	0	2.90	0.004	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	10	2.90	0.004	±2.5	PASS
Band13	5	23230	25	#0	QPSK	NV	20	3.80	0.005	±2.5	PASS
Band13	5	23230	25	#0	16QAM	VL	NT	1.50	0.002	±2.5	PASS
Band13	5	23230	25	#0	16QAM	VN	NT	1.70	0.002	±2.5	PASS
Band13	5	23230	25	#0	16QAM	VH	NT	2.70	0.003	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	-30	-1.10	-0.001	±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	1.20	0.002	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	0	0.00	0.000	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	10	-0.90	-0.001	±2.5	PASS
Band13	5	23230	25	#0	16QAM	NV	20	0.10	0.000	±2.5	PASS
Band13	5	23255	25	#0	QPSK	VL	NT	1.50	0.002	±2.5	PASS
Band13	5	23255	25	#0	QPSK	VN	NT	2.40	0.003	±2.5	PASS
Band13	5	23255	25	#0	QPSK	VH	NT	1.60	0.002	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	-30	2.90	0.004	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	-20	1.80	0.002	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	-10	0.70	0.001	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	0	1.90	0.002	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	10	1.90	0.002	±2.5	PASS
Band13	5	23255	25	#0	QPSK	NV	20	2.50	0.003	±2.5	PASS
Band13	5	23255	25	#0	16QAM	VL	NT	3.00	0.004	±2.5	PASS
Band13	5	23255	25	#0	16QAM	VN	NT	1.90	0.002	±2.5	PASS
Band13	5	23255	25	#0	16QAM	VH	NT	0.70	0.001	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	-30	-0.30	0.000	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	-20	1.30	0.002	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	-10	0.90	0.001	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	0	3.40	0.004	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	10	0.10	0.000	±2.5	PASS
Band13	5	23255	25	#0	16QAM	NV	20	1.80	0.002	±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	3.71	13	PASS
Band13	5	23205	1	#0	16QAM	5.07	13	PASS
Band13	5	23230	1	#0	QPSK	4.17	13	PASS
Band13	5	23230	1	#0	16QAM	5.65	13	PASS
Band13	5	23255	1	#0	QPSK	3.91	13	PASS

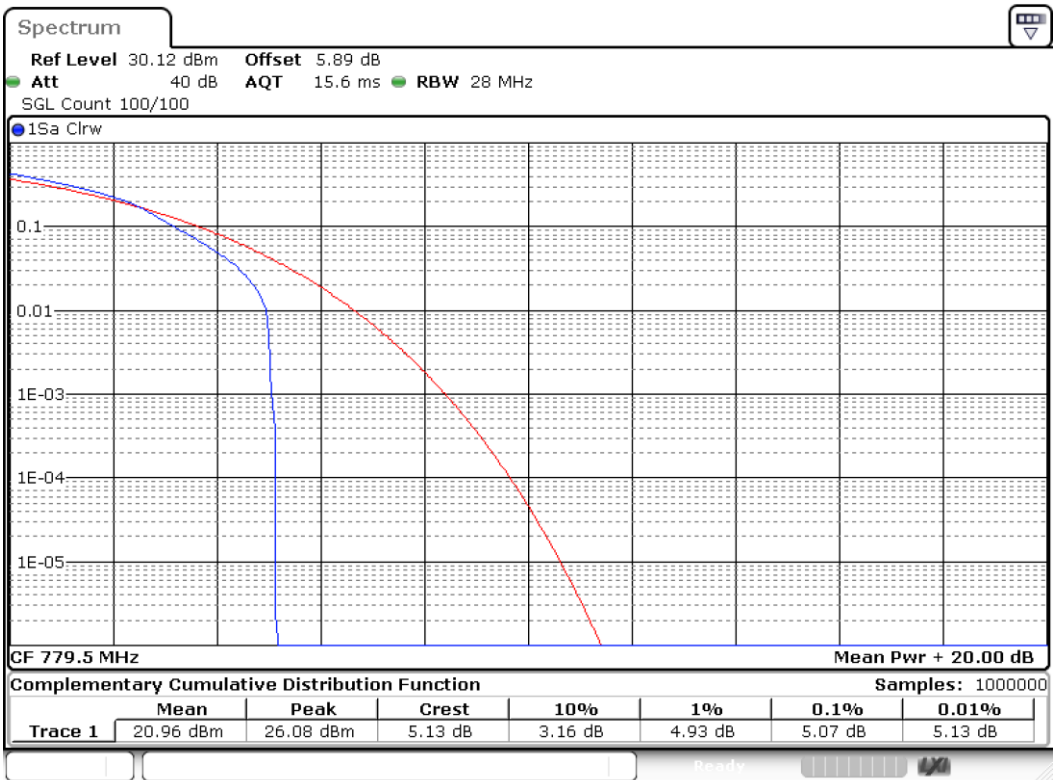
Band13	5	23255	1	#0	16QAM	5.48	13	PASS
Band13	10	23230	1	#0	QPSK	3.77	13	PASS
Band13	10	23230	1	#0	16QAM	5.25	13	PASS

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



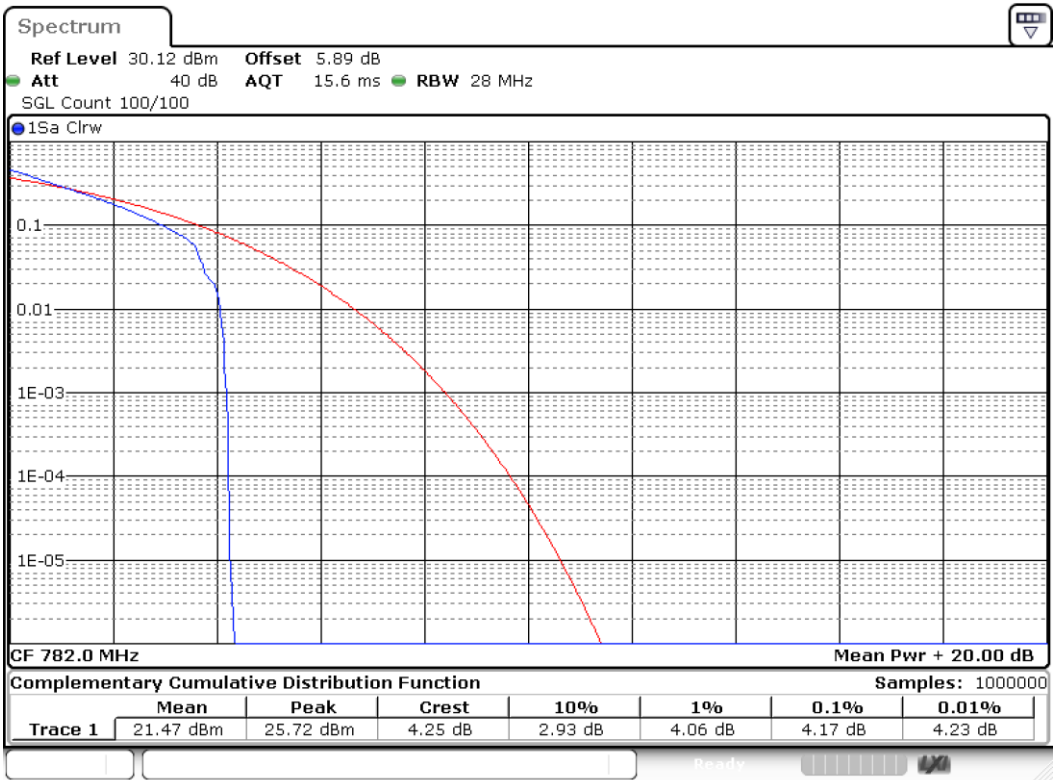
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Band13 16QAM BW=5MHz Channel=23205 RB Size=1 Position=#0



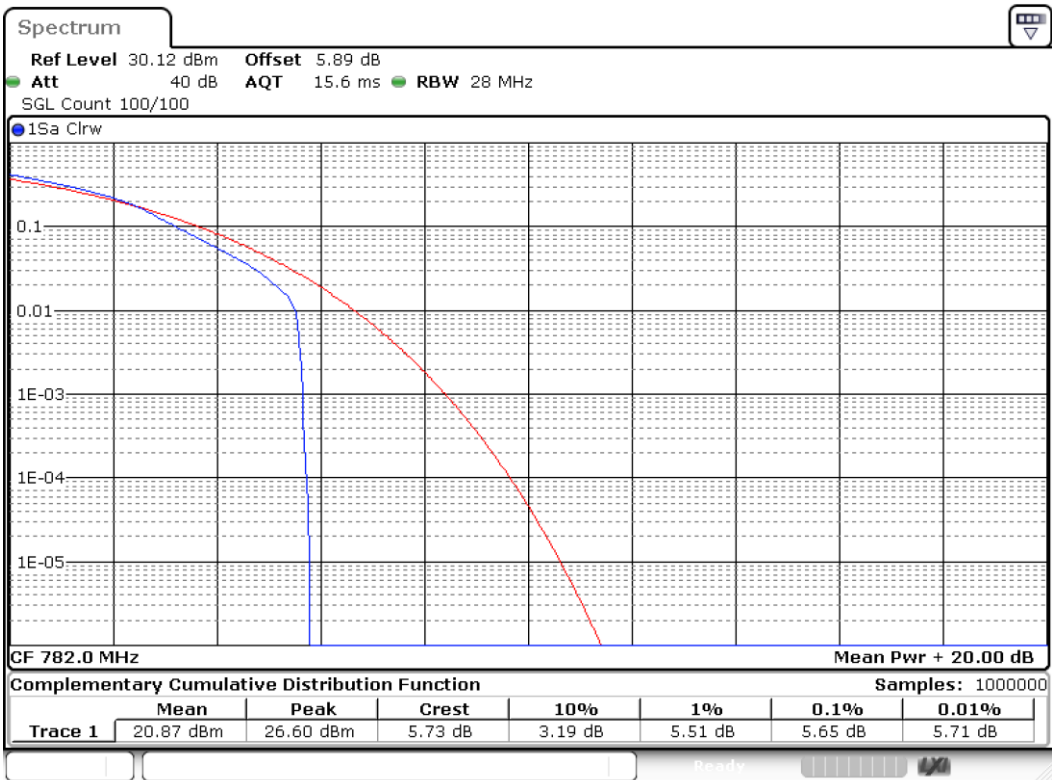
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Band13 QPSK BW=5MHz Channel=23230 RB Size=1 Position=#0



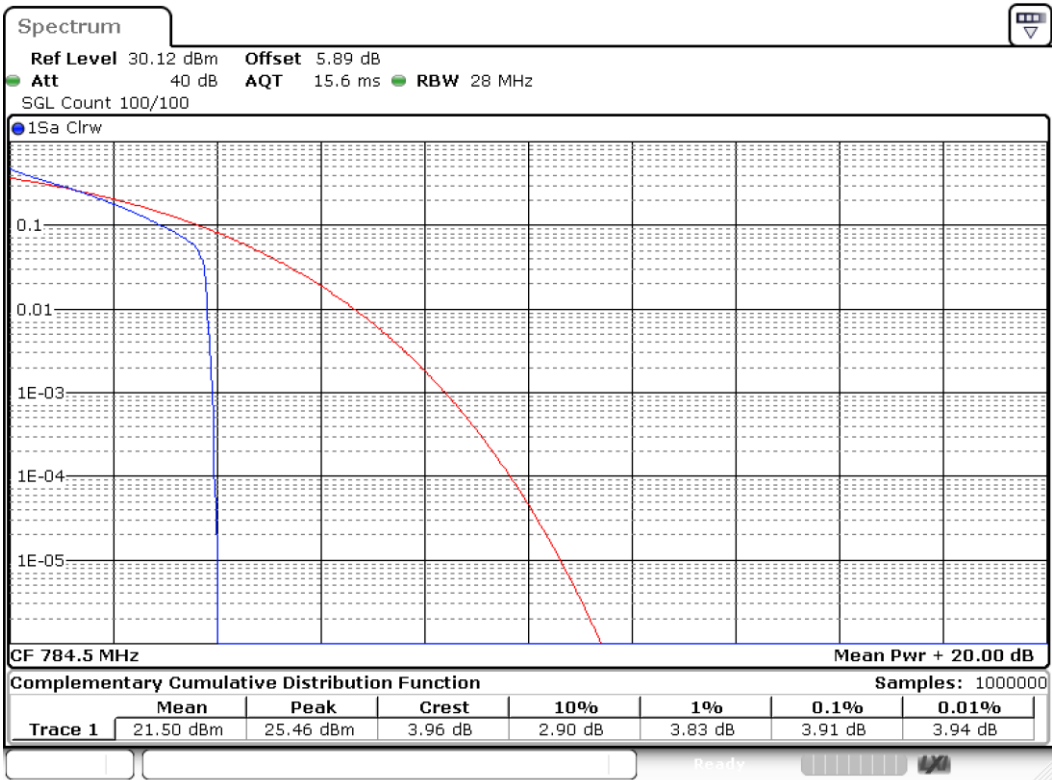
Date: 25.JUN.2024 10:29:39

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



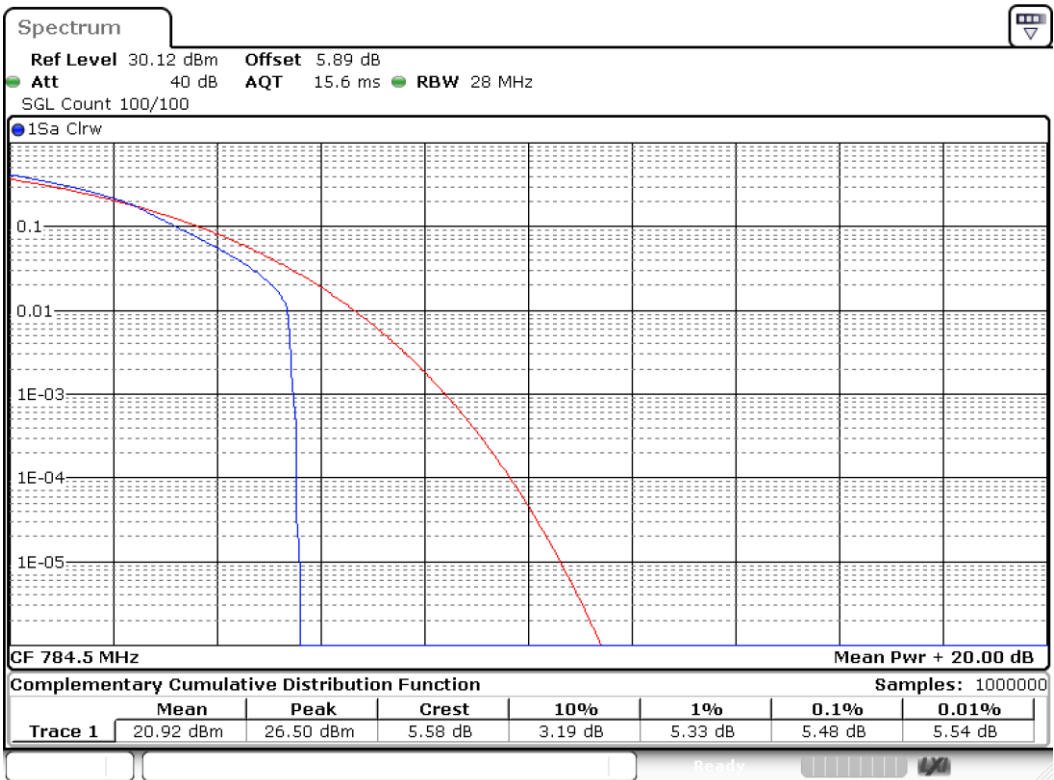
Date: 25.JUN.2024 10:29:46

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



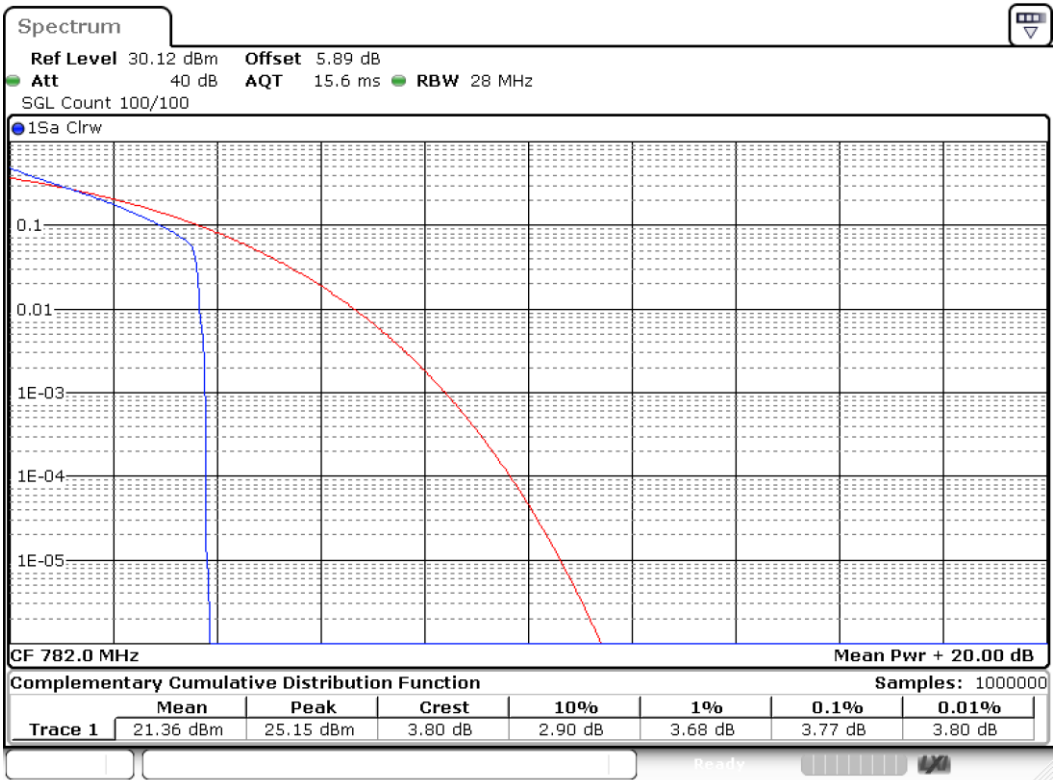
Date: 25.JUN.2024 10:29:52

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



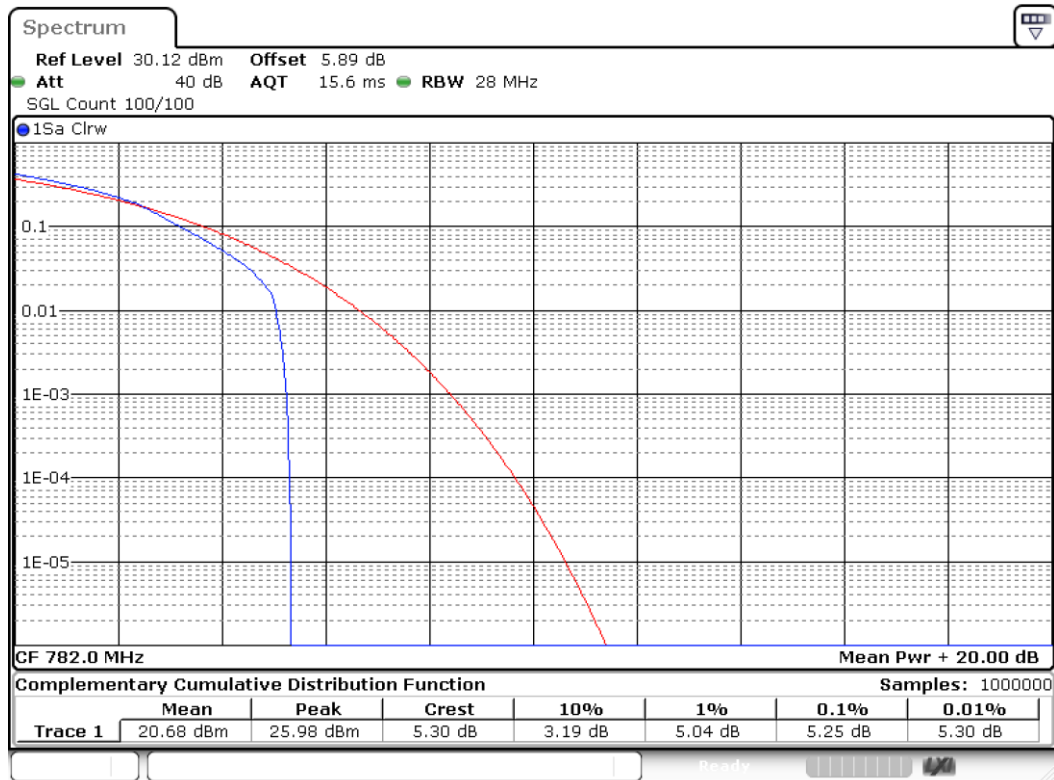
Date: 25.JUN.2024 10:29:58

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



Date: 25.JUN.2024 10:30:05

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

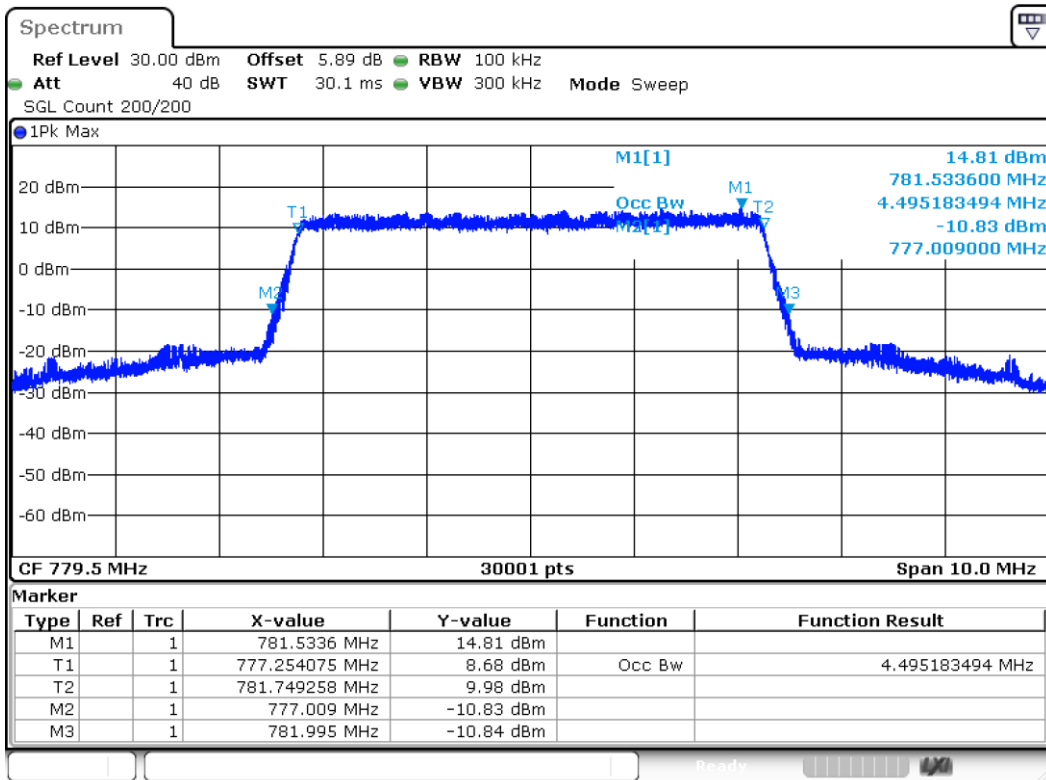


Date: 25.JUN.2024 10:30:12

4 Occupied bandwidth

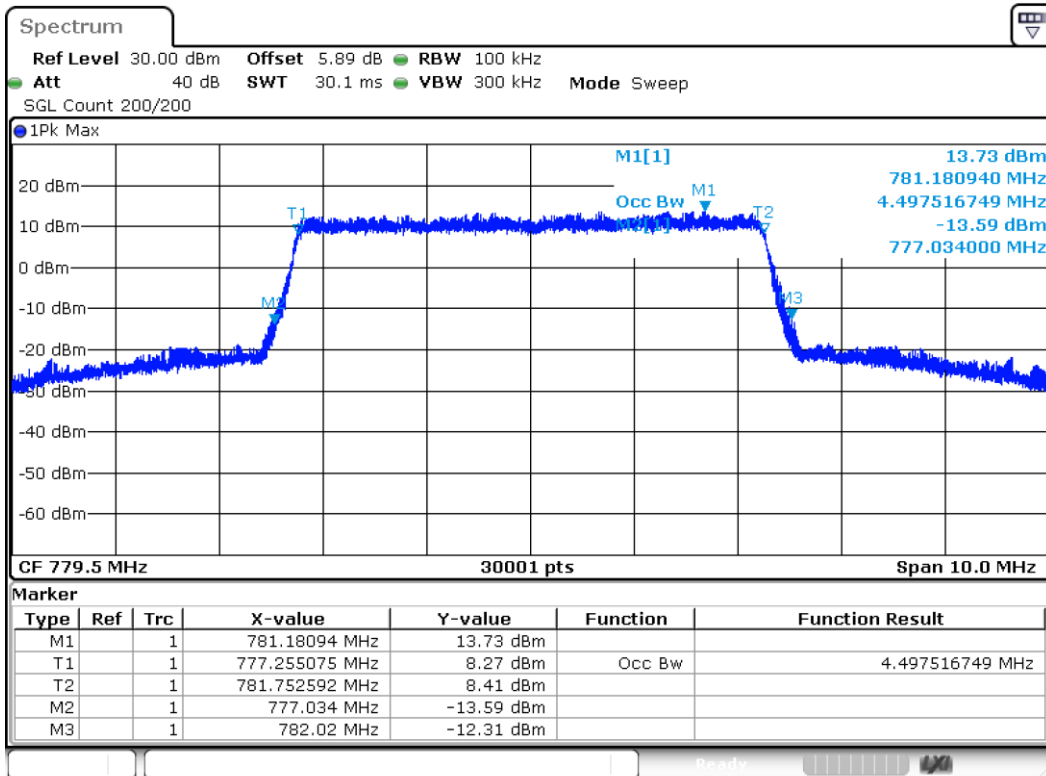
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.495	4.986	PASS
Band13	5	23205	25	#0	16QAM	4.498	4.985	PASS
Band13	5	23230	25	#0	QPSK	4.488	4.997	PASS
Band13	5	23230	25	#0	16QAM	4.493	4.977	PASS
Band13	5	23255	25	#0	QPSK	4.494	4.999	PASS
Band13	5	23255	25	#0	16QAM	4.490	4.976	PASS
Band13	10	23230	50	#0	QPSK	8.961	9.801	PASS
Band13	10	23230	50	#0	16QAM	8.941	9.762	PASS

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



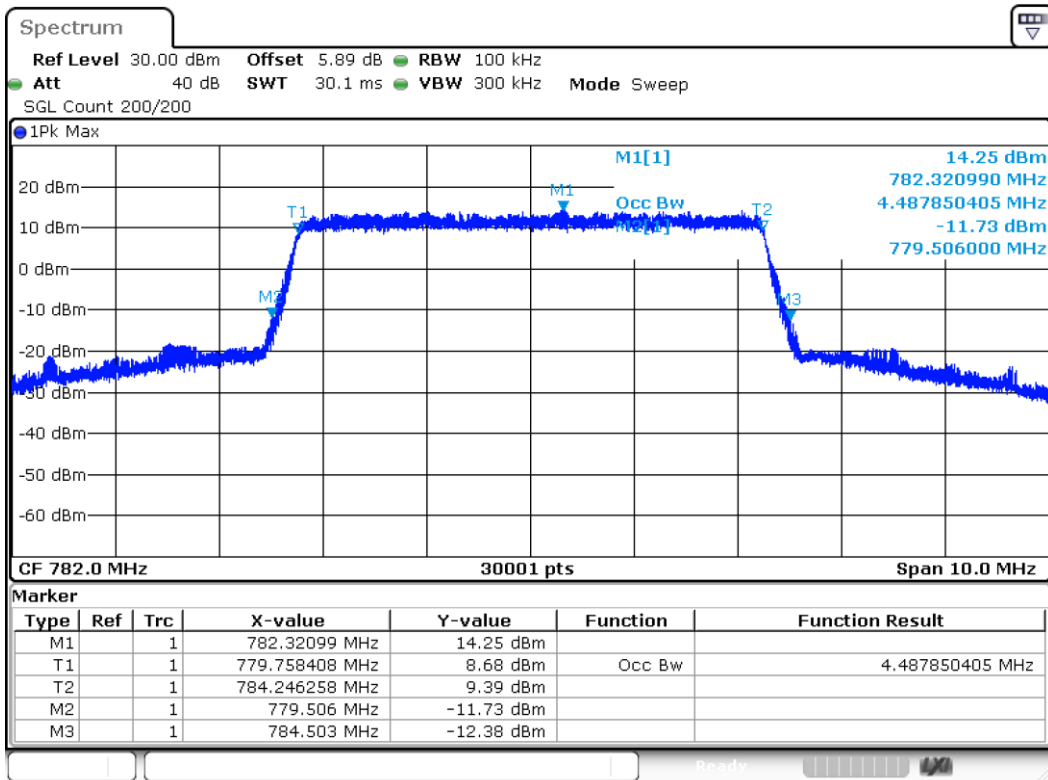
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Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



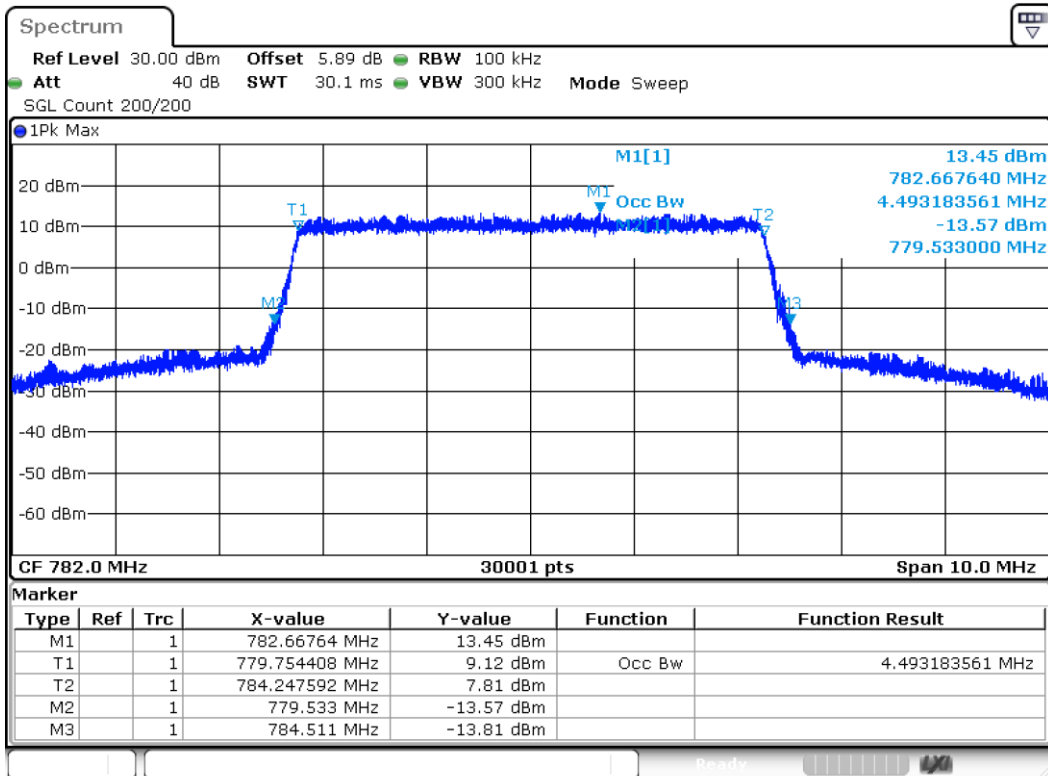
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Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



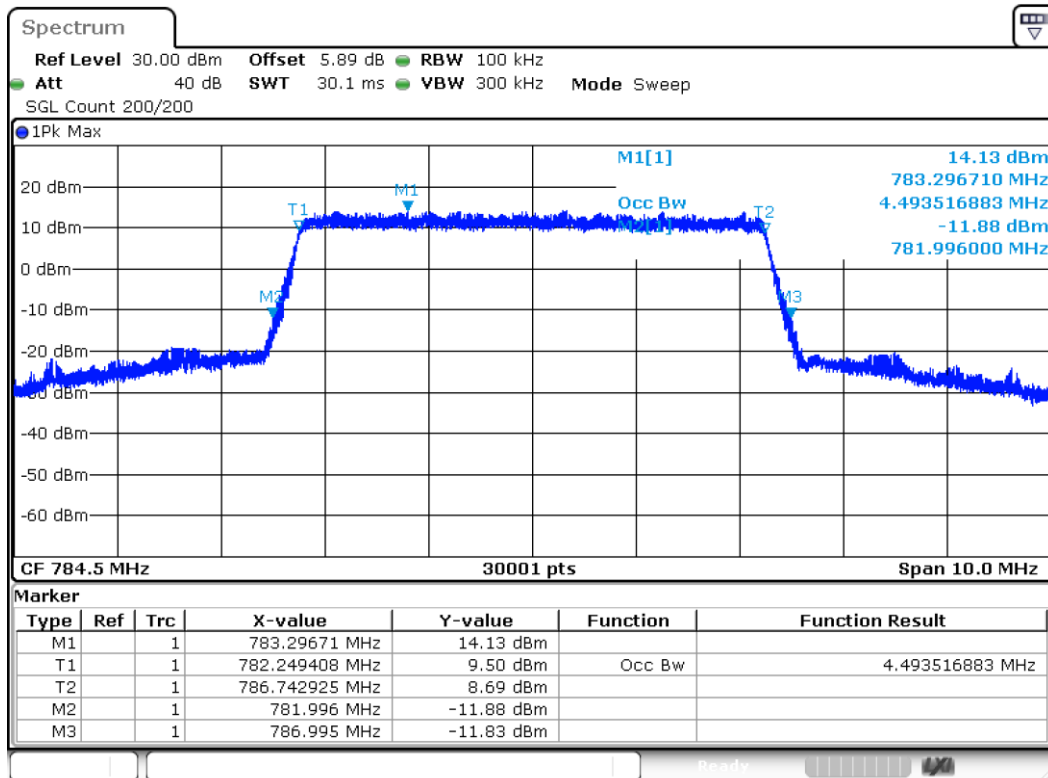
Date: 25.JUN.2024 10:31:13

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



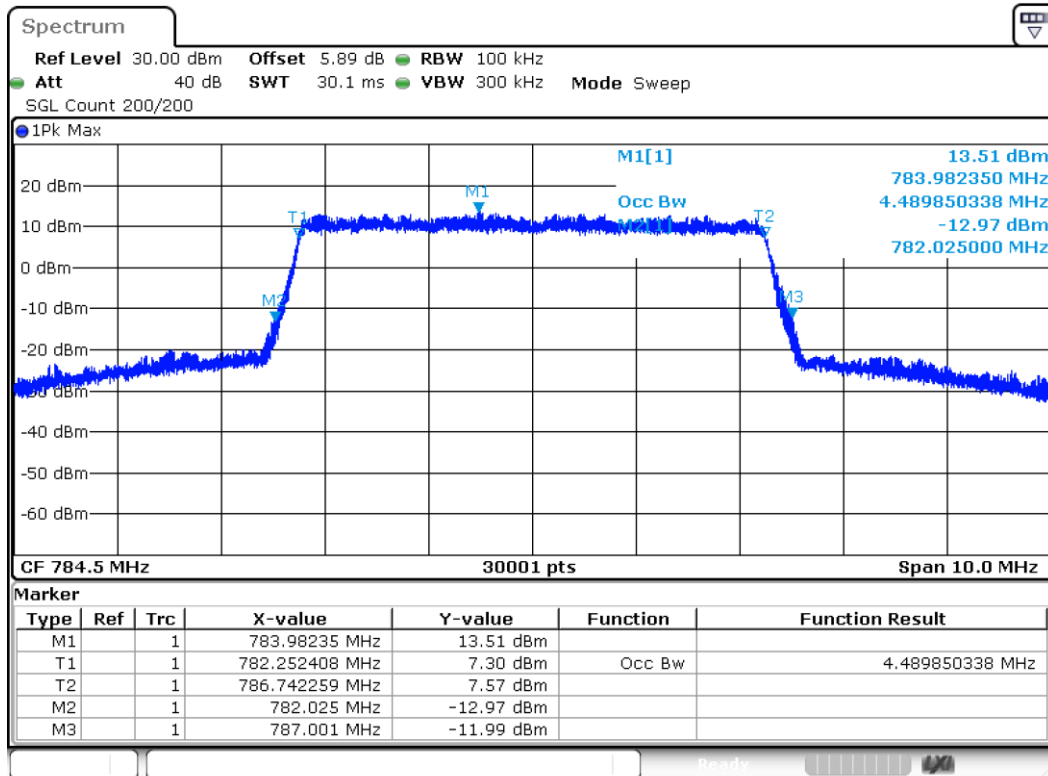
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Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



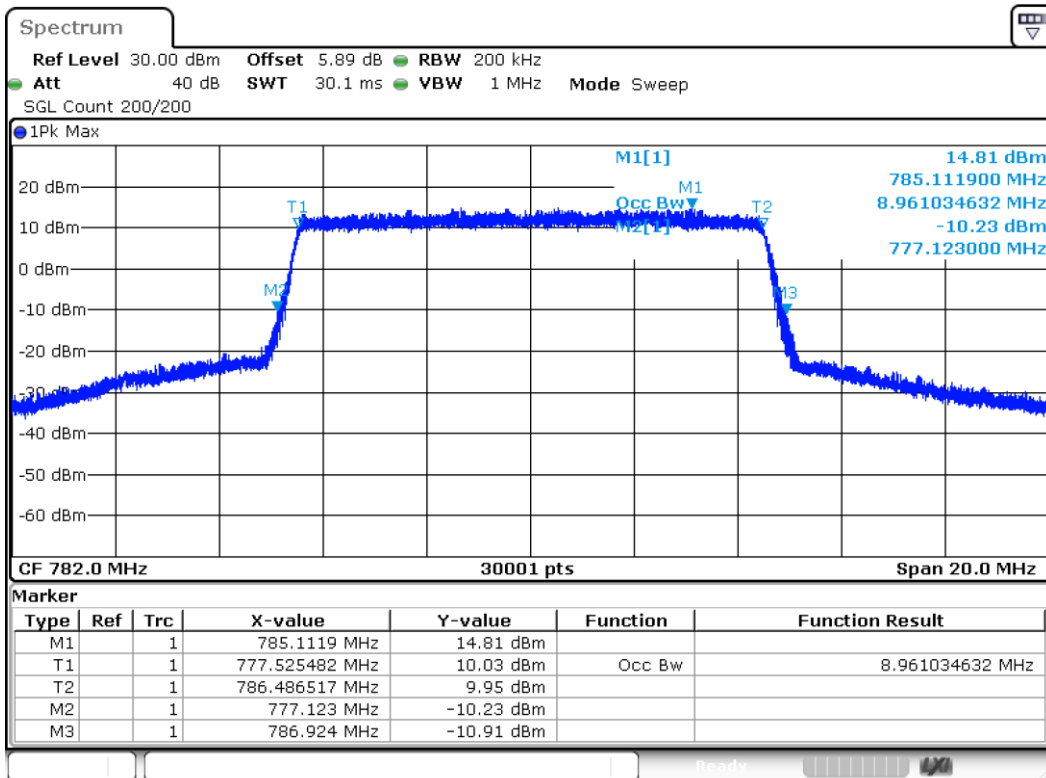
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Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



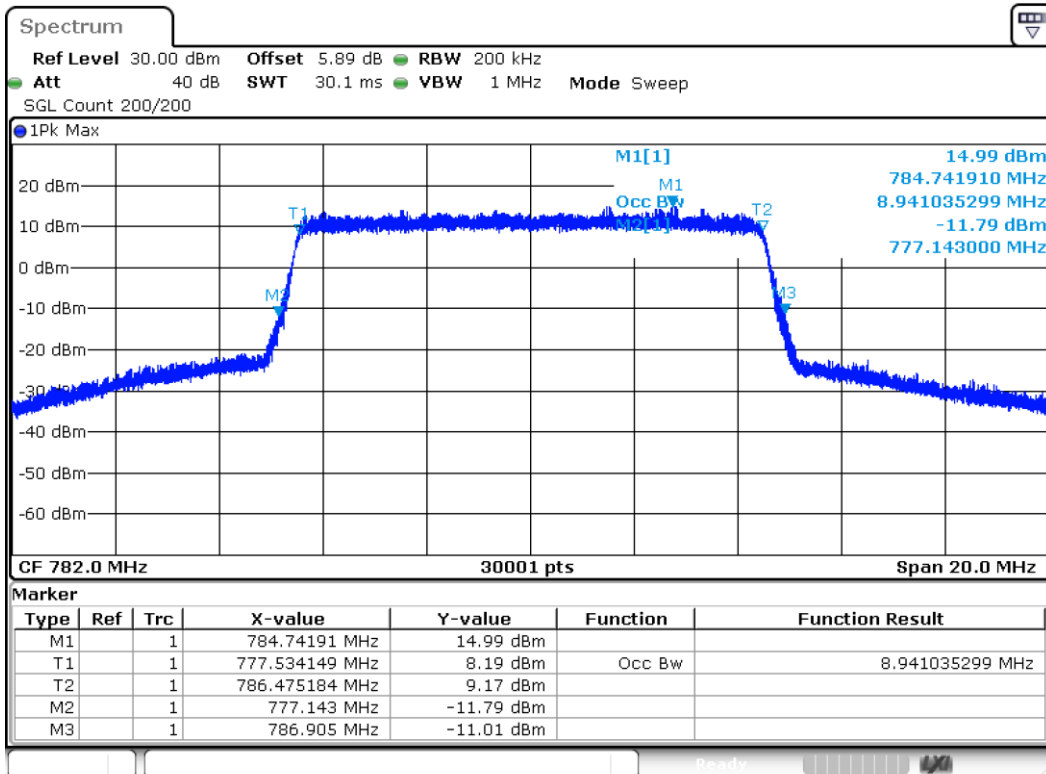
Date: 25.JUN.2024 10:32:04

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



Date: 25.JUN.2024 10:32:23

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

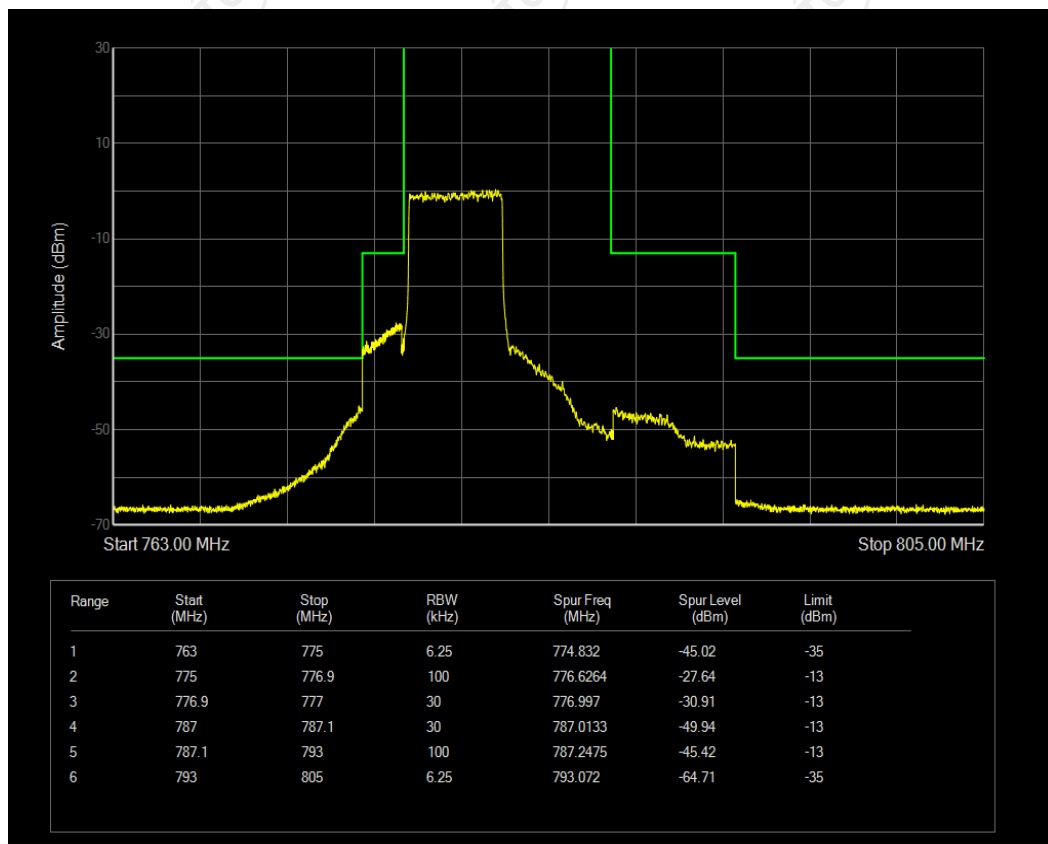


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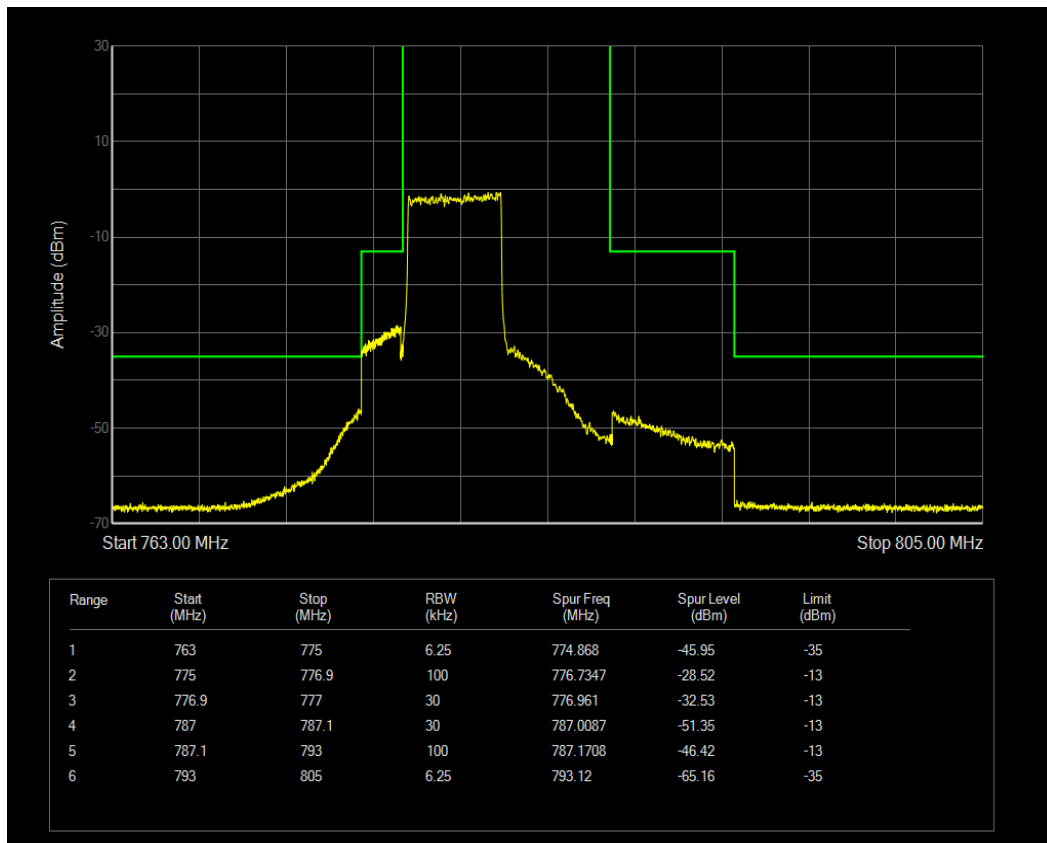
5 Band edge

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	774.83	-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

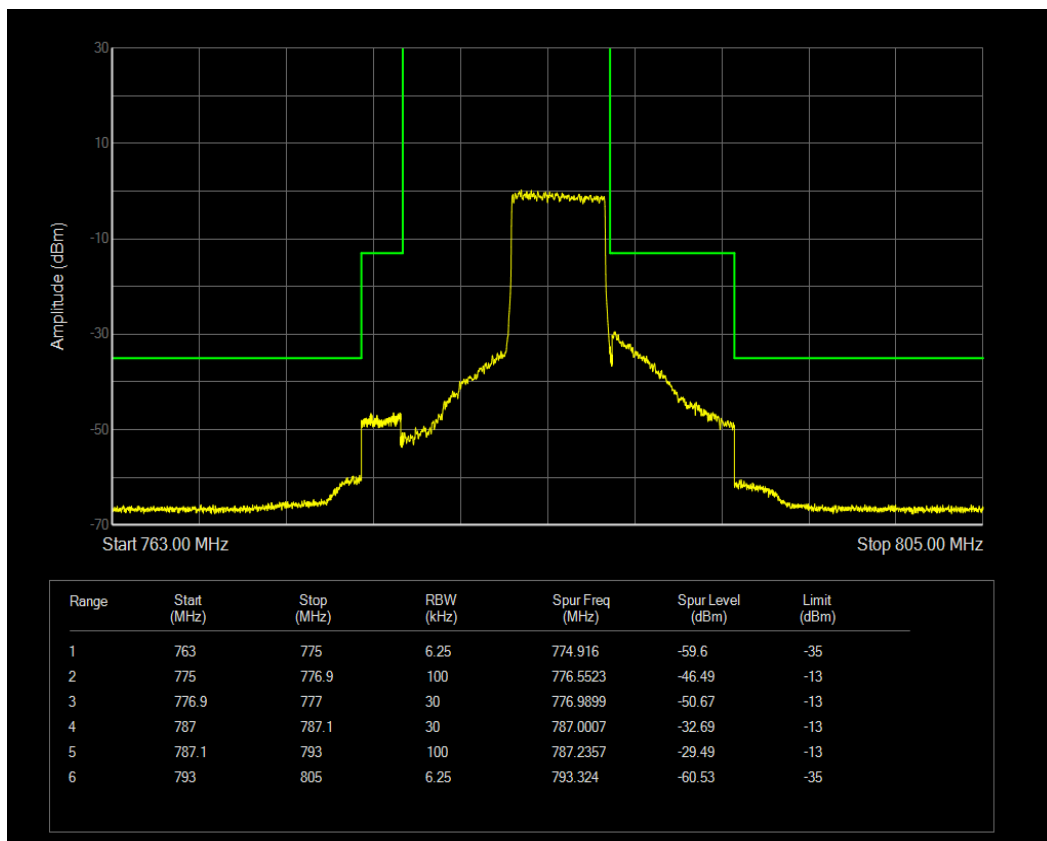
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



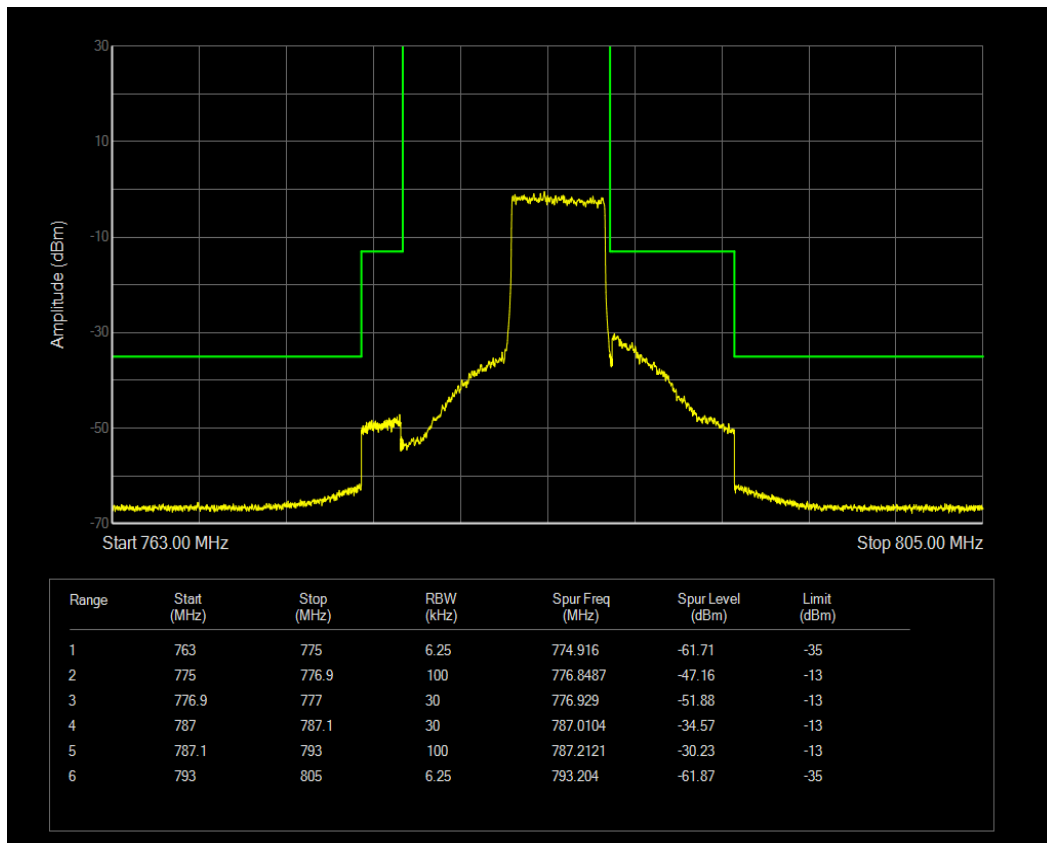
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



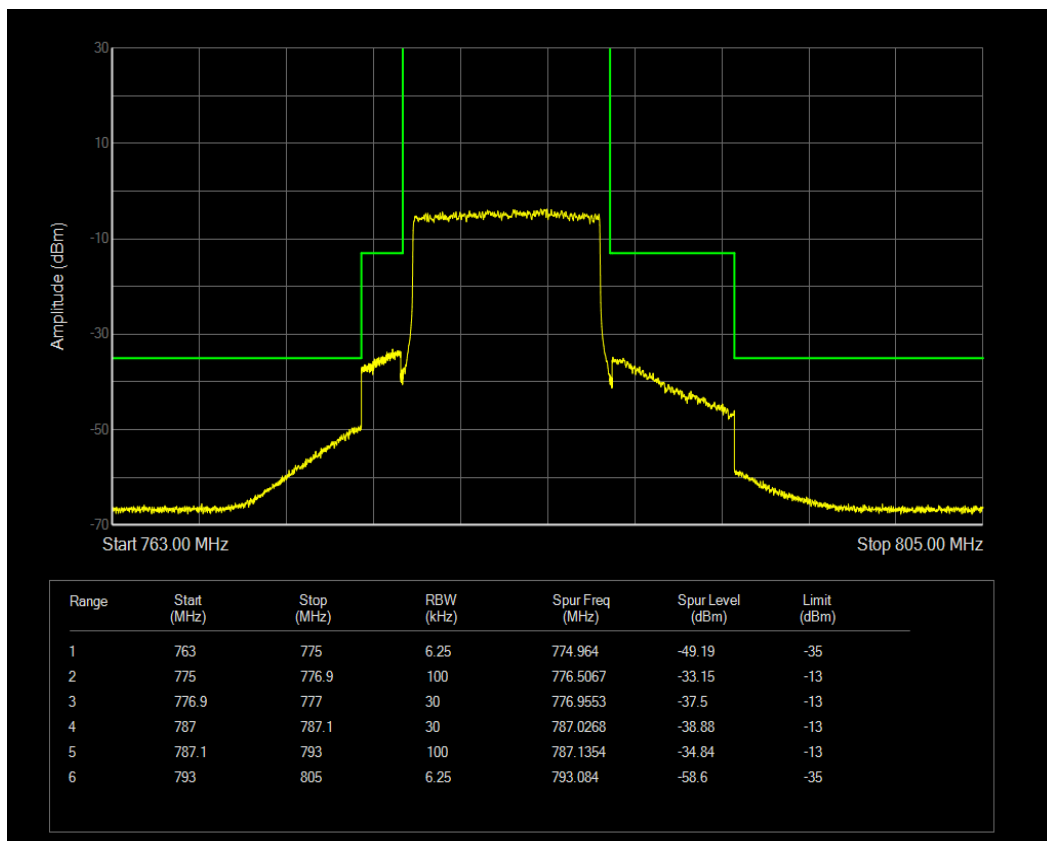
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



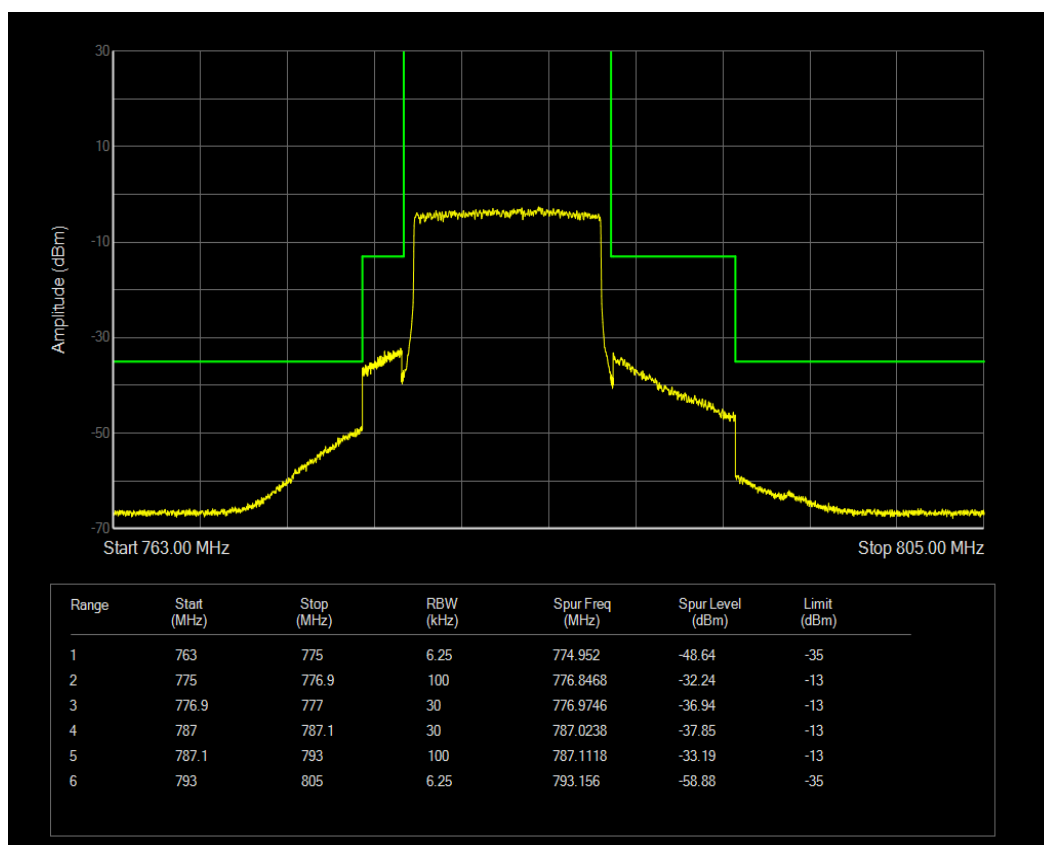
Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



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



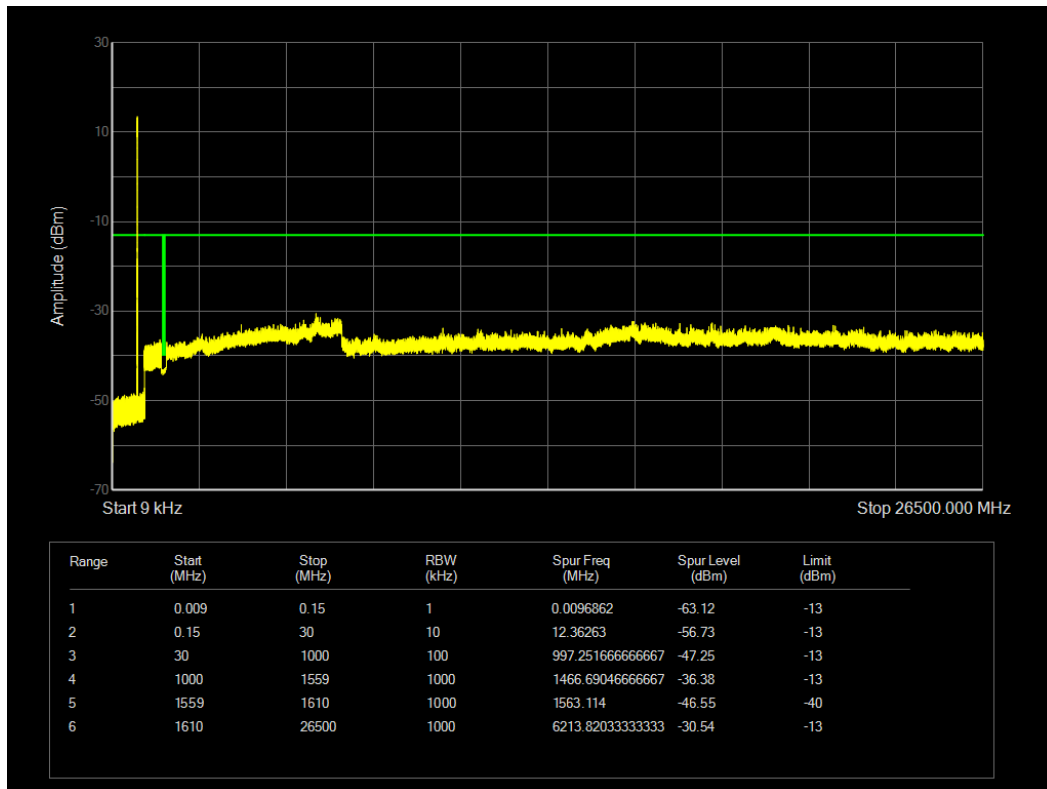
Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



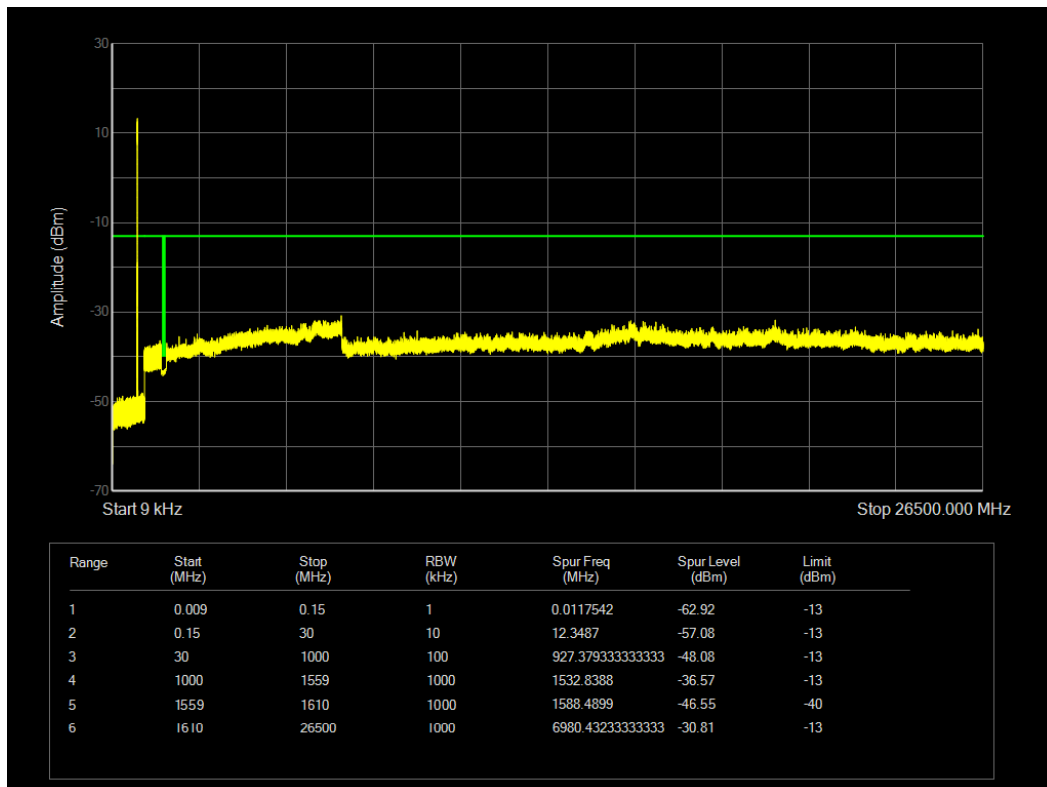
6 Out-of-band emissions

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	1563.11	-46.55	-40	PASS
Band13	5	23205	25	#0	16QAM	1588.49	-46.55	-40	PASS
Band13	5	23230	25	#0	QPSK	1560.20	-44.87	-40	PASS
Band13	5	23230	25	#0	16QAM	1559.98	-46.04	-40	PASS
Band13	5	23255	25	#0	QPSK	1587.14	-45.58	-40	PASS
Band13	5	23255	25	#0	16QAM	1597.63	-46.25	-40	PASS
Band13	10	23230	50	#0	QPSK	1591.51	-46.29	-40	PASS
Band13	10	23230	50	#0	16QAM	1583.65	-46.69	-40	PASS

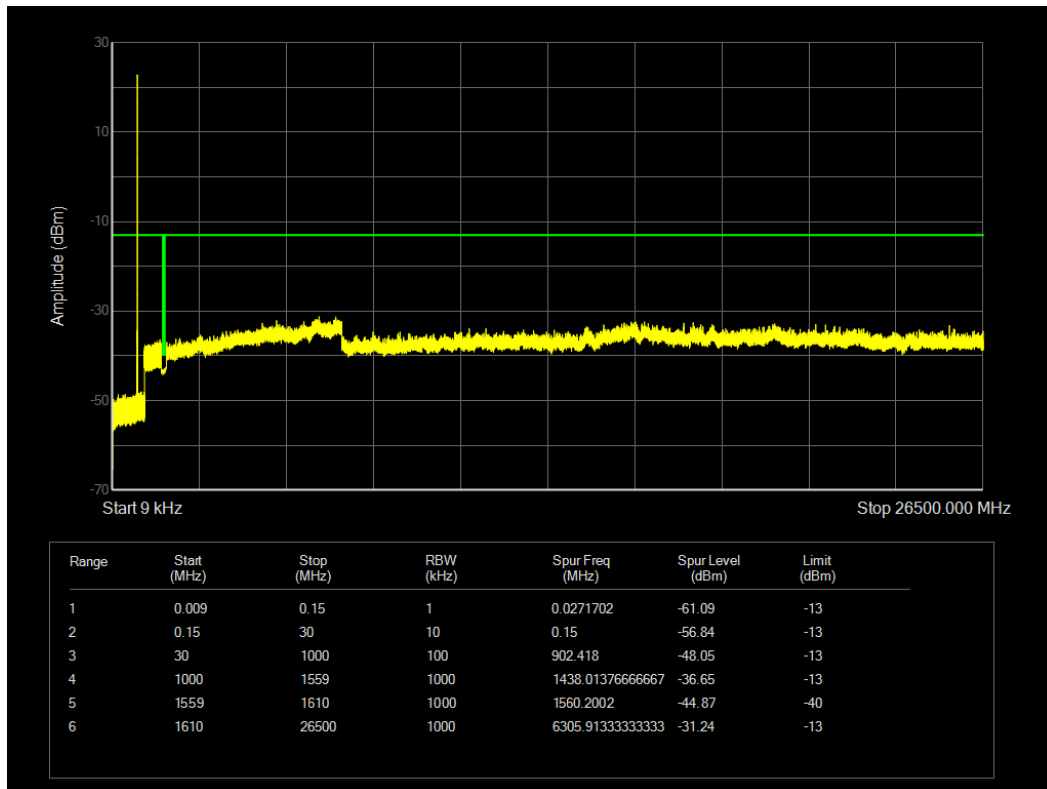
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



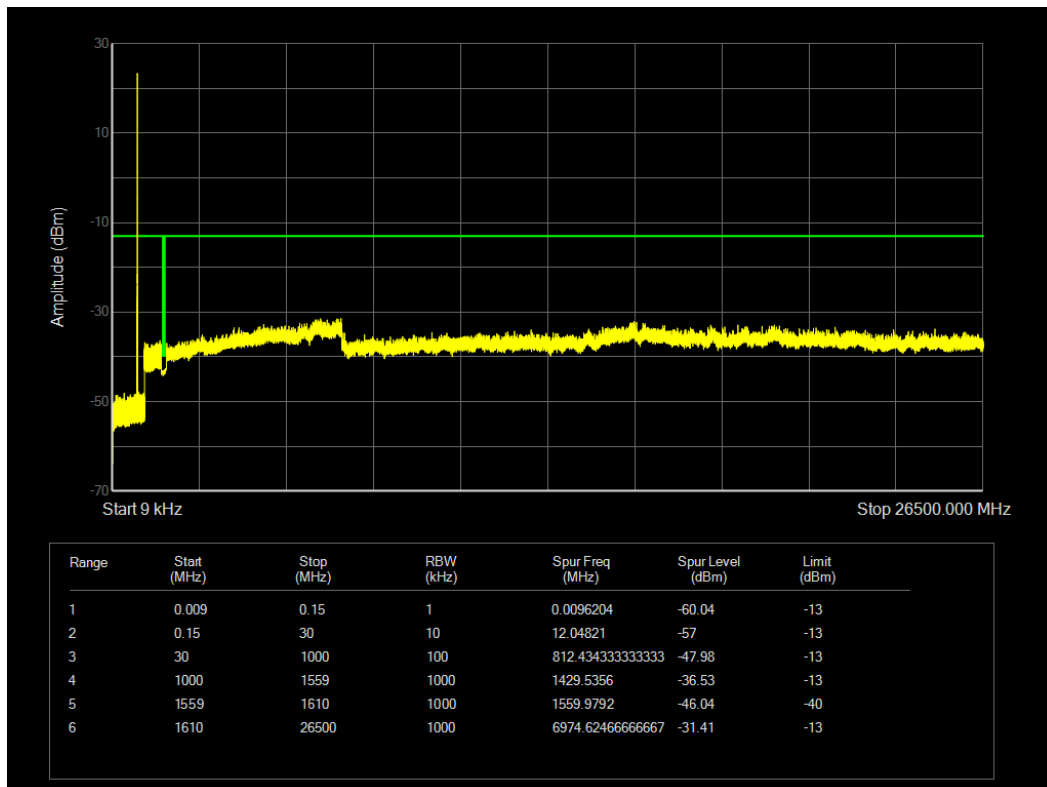
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



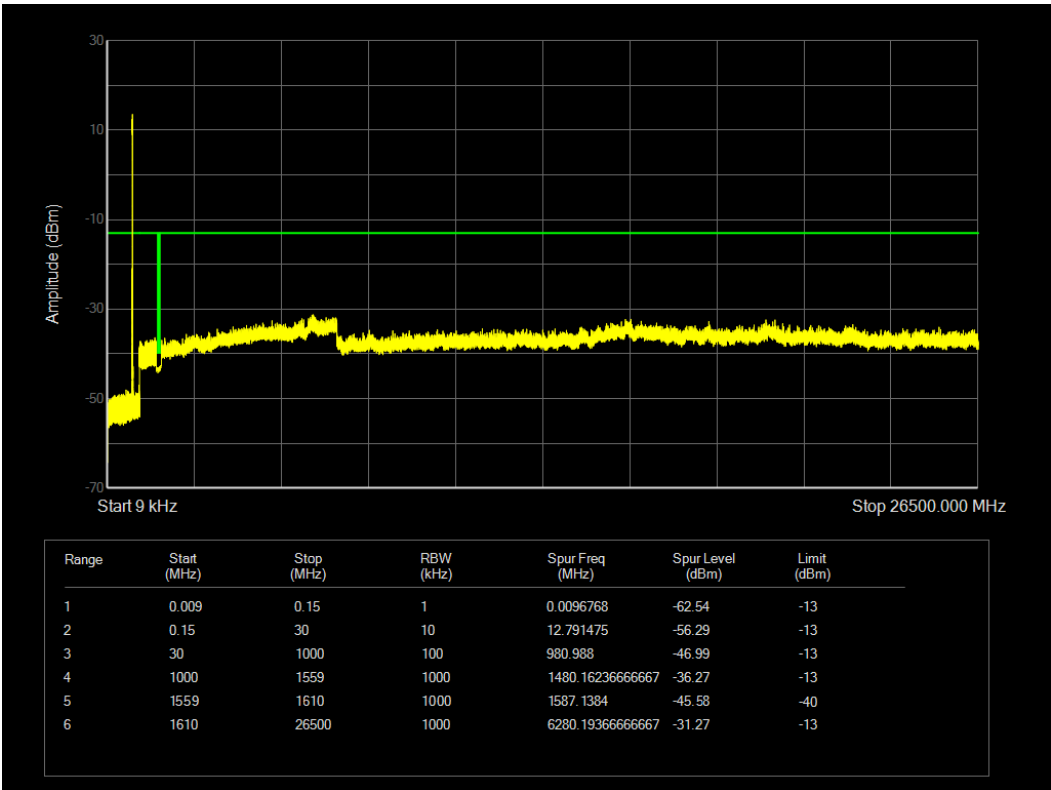
Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



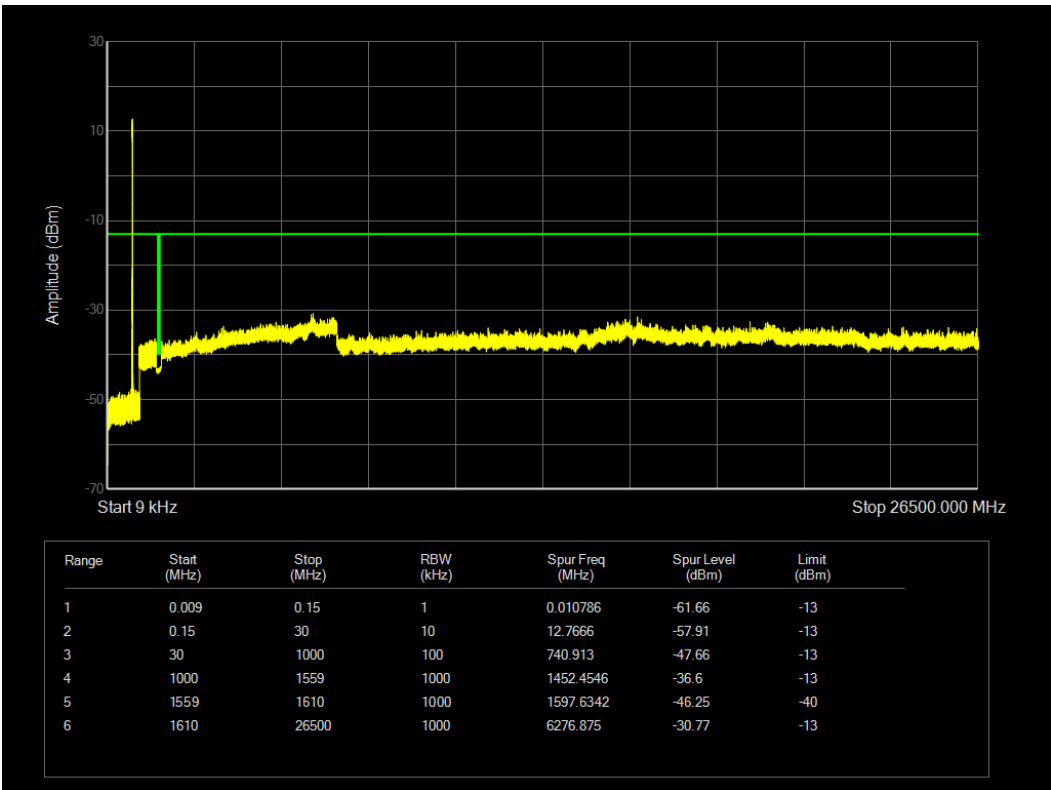
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



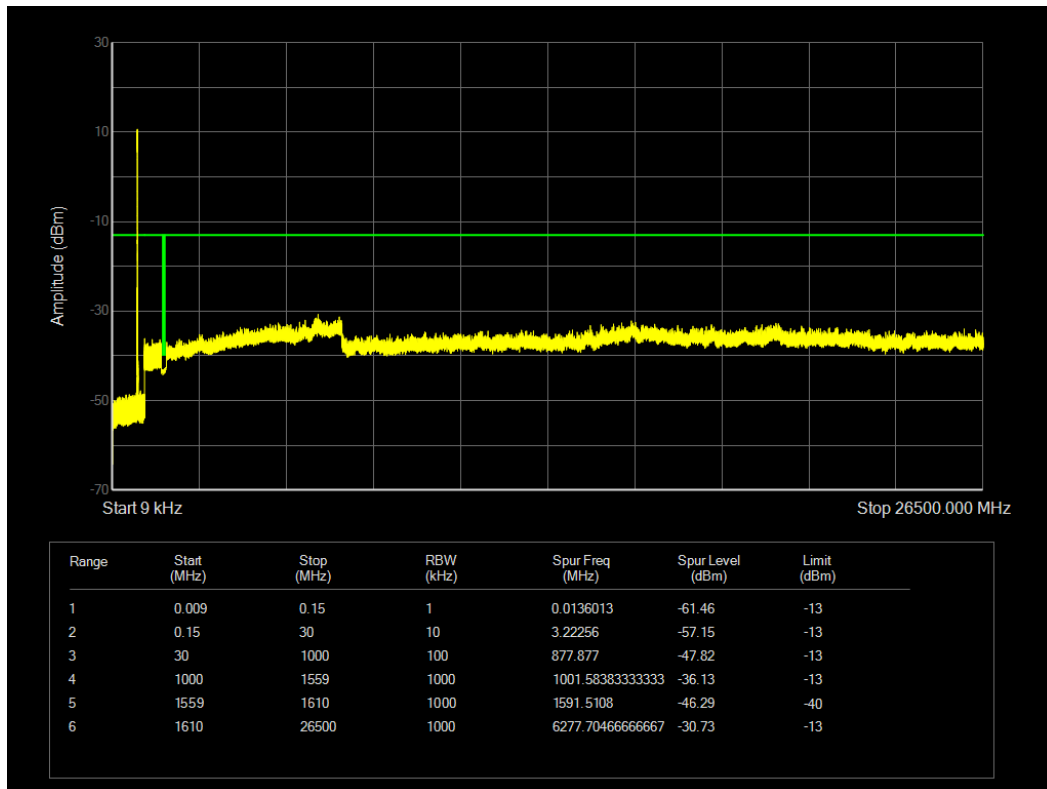
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



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

