

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	23.33	-0.19	20.99	PASS
Band13	5	23205	1	#Mid	QPSK	23.30	-0.19	20.96	PASS
Band13	5	23205	1	#Max	QPSK	23.40	-0.19	21.06	PASS
Band13	5	23205	12	#0	QPSK	22.36	-0.19	20.02	PASS
Band13	5	23205	12	#Mid	QPSK	22.42	-0.19	20.08	PASS
Band13	5	23205	12	#Max	QPSK	22.36	-0.19	20.02	PASS
Band13	5	23205	25	#0	QPSK	22.46	-0.19	20.12	PASS
Band13	5	23205	1	#0	16QAM	22.39	-0.19	20.05	PASS
Band13	5	23205	1	#Mid	16QAM	22.43	-0.19	20.09	PASS
Band13	5	23205	1	#Max	16QAM	22.39	-0.19	20.05	PASS
Band13	5	23205	12	#0	16QAM	21.48	-0.19	19.14	PASS
Band13	5	23205	12	#Mid	16QAM	21.54	-0.19	19.20	PASS
Band13	5	23205	12	#Max	16QAM	21.61	-0.19	19.27	PASS
Band13	5	23205	25	#0	16QAM	21.60	-0.19	19.26	PASS
Band13	5	23230	1	#0	QPSK	23.67	-0.19	21.33	PASS
Band13	5	23230	1	#Mid	QPSK	23.70	-0.19	21.36	PASS
Band13	5	23230	1	#Max	QPSK	23.80	-0.19	21.46	PASS
Band13	5	23230	12	#0	QPSK	22.59	-0.19	20.25	PASS
Band13	5	23230	12	#Mid	QPSK	22.52	-0.19	20.18	PASS
Band13	5	23230	12	#Max	QPSK	22.53	-0.19	20.19	PASS
Band13	5	23230	25	#0	QPSK	22.42	-0.19	20.08	PASS
Band13	5	23230	1	#0	16QAM	22.49	-0.19	20.15	PASS
Band13	5	23230	1	#Mid	16QAM	22.49	-0.19	20.15	PASS
Band13	5	23230	1	#Max	16QAM	22.49	-0.19	20.15	PASS
Band13	5	23230	12	#0	16QAM	21.58	-0.19	19.24	PASS
Band13	5	23230	12	#Mid	16QAM	21.60	-0.19	19.26	PASS
Band13	5	23230	12	#Max	16QAM	21.61	-0.19	19.27	PASS
Band13	5	23230	25	#0	16QAM	21.70	-0.19	19.36	PASS
Band13	5	23255	1	#0	QPSK	23.70	-0.19	21.36	PASS
Band13	5	23255	1	#Mid	QPSK	23.81	-0.19	21.47	PASS
Band13	5	23255	1	#Max	QPSK	23.72	-0.19	21.38	PASS
Band13	5	23255	12	#0	QPSK	22.60	-0.19	20.26	PASS
Band13	5	23255	12	#Mid	QPSK	22.46	-0.19	20.12	PASS
Band13	5	23255	12	#Max	QPSK	22.56	-0.19	20.22	PASS
Band13	5	23255	25	#0	QPSK	22.51	-0.19	20.17	PASS
Band13	5	23255	1	#0	16QAM	22.40	-0.19	20.06	PASS
Band13	5	23255	1	#Mid	16QAM	22.54	-0.19	20.20	PASS
Band13	5	23255	1	#Max	16QAM	22.58	-0.19	20.24	PASS
Band13	5	23255	12	#0	16QAM	21.64	-0.19	19.30	PASS
Band13	5	23255	12	#Mid	16QAM	21.67	-0.19	19.33	PASS

Band13	5	23255	12	#Max	16QAM	21.61	-0.19	19.27	PASS
Band13	5	23255	25	#0	16QAM	21.74	-0.19	19.40	PASS
Band13	10	23230	1	#0	QPSK	23.48	-0.19	21.14	PASS
Band13	10	23230	1	#Mid	QPSK	23.58	-0.19	21.24	PASS
Band13	10	23230	1	#Max	QPSK	23.56	-0.19	21.22	PASS
Band13	10	23230	25	#0	QPSK	22.39	-0.19	20.05	PASS
Band13	10	23230	25	#Mid	QPSK	22.49	-0.19	20.15	PASS
Band13	10	23230	25	#Max	QPSK	22.40	-0.19	20.06	PASS
Band13	10	23230	50	#0	QPSK	22.36	-0.19	20.02	PASS
Band13	10	23230	1	#0	16QAM	22.82	-0.19	20.48	PASS
Band13	10	23230	1	#Mid	16QAM	23.05	-0.19	20.71	PASS
Band13	10	23230	1	#Max	16QAM	22.92	-0.19	20.58	PASS
Band13	10	23230	25	#0	16QAM	21.44	-0.19	19.10	PASS
Band13	10	23230	25	#Mid	16QAM	21.55	-0.19	19.21	PASS
Band13	10	23230	25	#Max	16QAM	21.55	-0.19	19.21	PASS
Band13	10	23230	50	#0	16QAM	21.63	-0.19	19.29	PASS

2 Frequency stability

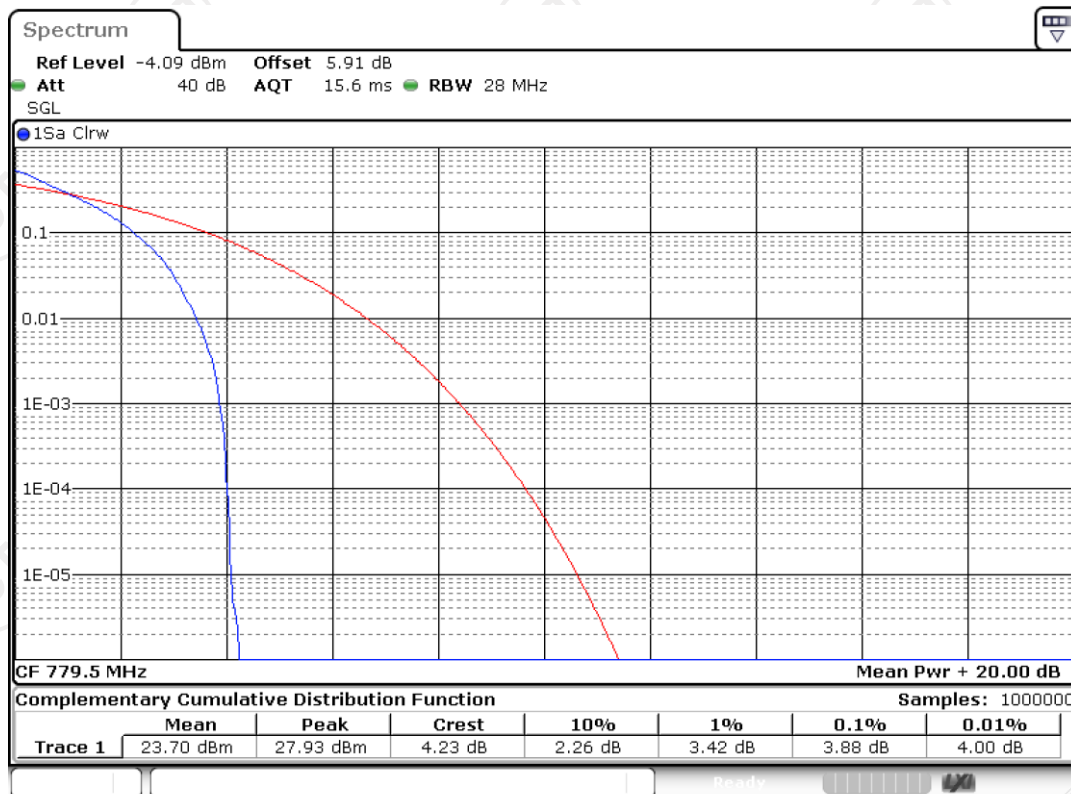
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band13	10	23230	50	#0	QPSK	VL	NT	37.30	0.048	±2.5	PASS
Band13	10	23230	50	#0	QPSK	VN	NT	40.50	0.052	±2.5	PASS
Band13	10	23230	50	#0	QPSK	VH	NT	41.20	0.053	±2.5	PASS
Band13	10	23230	50	#0	QPSK	NV	-30	43.30	0.055	±2.5	PASS
Band13	10	23230	50	#0	QPSK	NV	-20	44.70	0.057	±2.5	PASS
Band13	10	23230	50	#0	QPSK	NV	-10	44.70	0.057	±2.5	PASS
Band13	10	23230	50	#0	QPSK	NV	0	46.30	0.059	±2.5	PASS
Band13	10	23230	50	#0	QPSK	NV	10	44.30	0.057	±2.5	PASS
Band13	10	23230	50	#0	QPSK	NV	20	45.80	0.059	±2.5	PASS
Band13	10	23230	50	#0	16QAM	VL	NT	46.20	0.059	±2.5	PASS
Band13	10	23230	50	#0	16QAM	VN	NT	45.40	0.058	±2.5	PASS
Band13	10	23230	50	#0	16QAM	VH	NT	47.30	0.060	±2.5	PASS
Band13	10	23230	50	#0	16QAM	NV	-30	46.30	0.059	±2.5	PASS
Band13	10	23230	50	#0	16QAM	NV	-20	47.20	0.060	±2.5	PASS
Band13	10	23230	50	#0	16QAM	NV	-10	48.50	0.062	±2.5	PASS
Band13	10	23230	50	#0	16QAM	NV	0	49.70	0.064	±2.5	PASS
Band13	10	23230	50	#0	16QAM	NV	10	54.10	0.069	±2.5	PASS
Band13	10	23230	50	#0	16QAM	NV	20	52.10	0.067	±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	3.88	13	PASS
Band13	5	23205	1	#0	16QAM	4.75	13	PASS

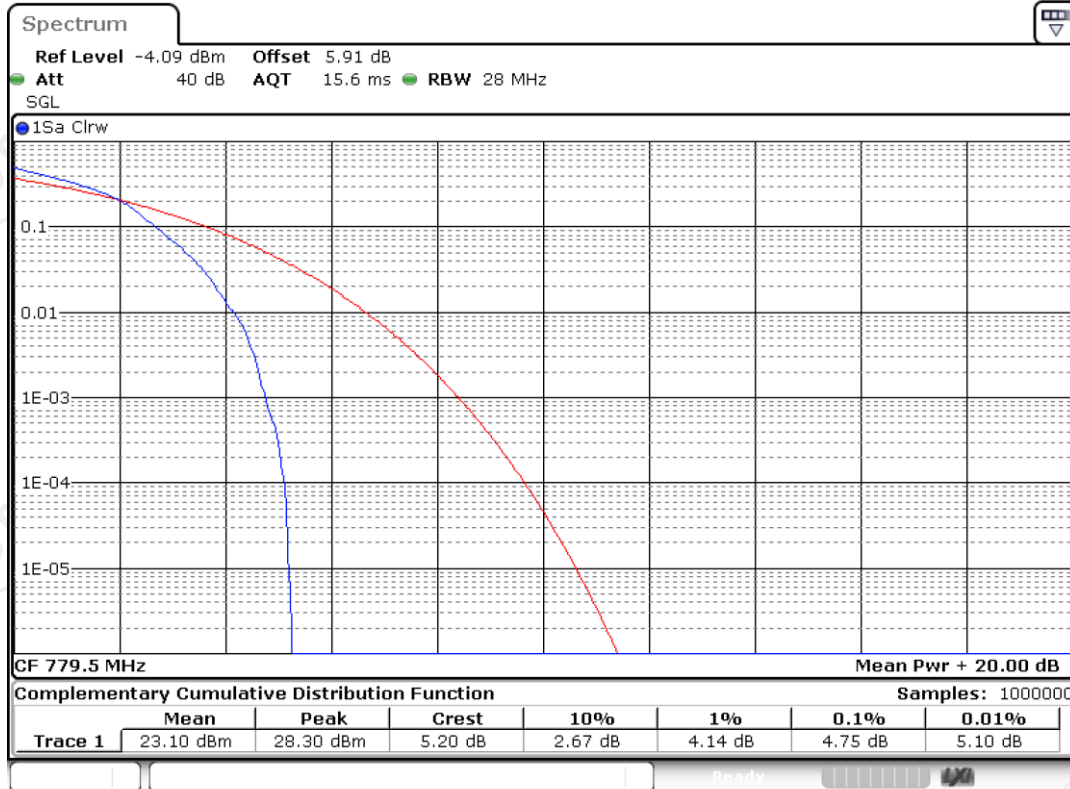
Band13	5	23230	1	#0	QPSK	3.88	13	PASS
Band13	5	23230	1	#0	16QAM	5.10	13	PASS
Band13	5	23255	1	#0	QPSK	4.49	13	PASS
Band13	5	23255	1	#0	16QAM	5.77	13	PASS
Band13	10	23230	1	#0	QPSK	3.88	13	PASS
Band13	10	23230	1	#0	16QAM	4.64	13	PASS

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



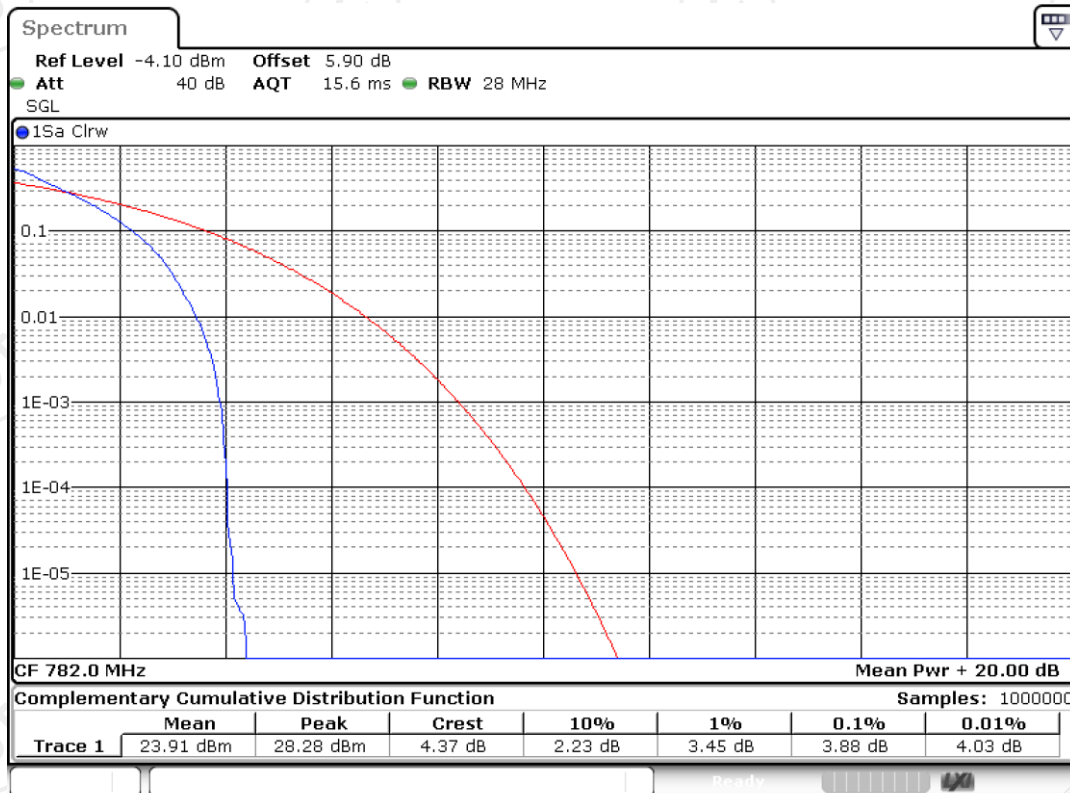
Date: 9.JAN.2024 15:57:46

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



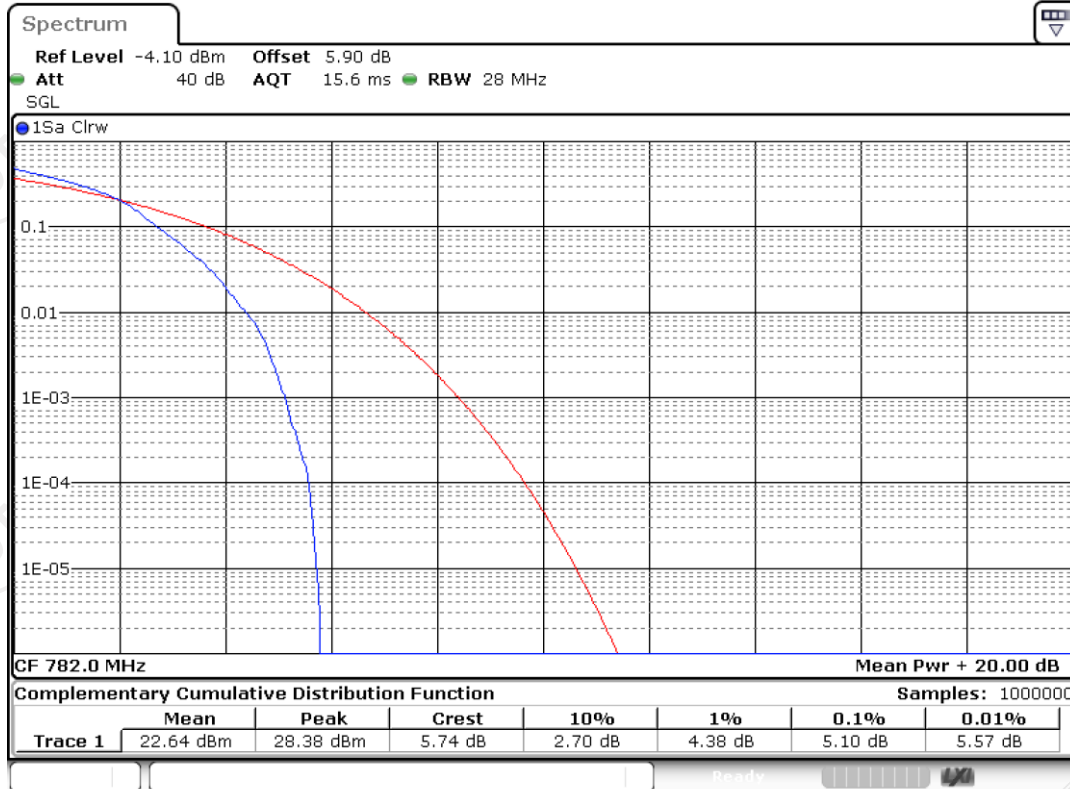
Date: 9.JAN.2024 15:57:50

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



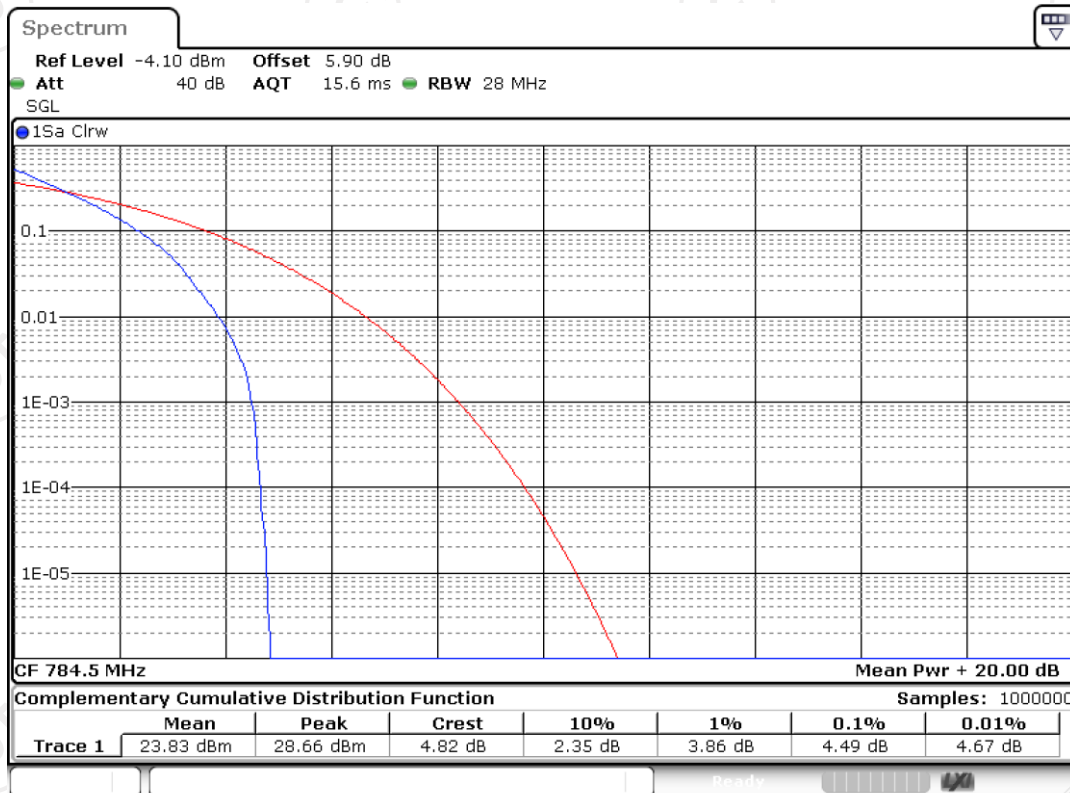
Date: 9.JAN.2024 15:57:55

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



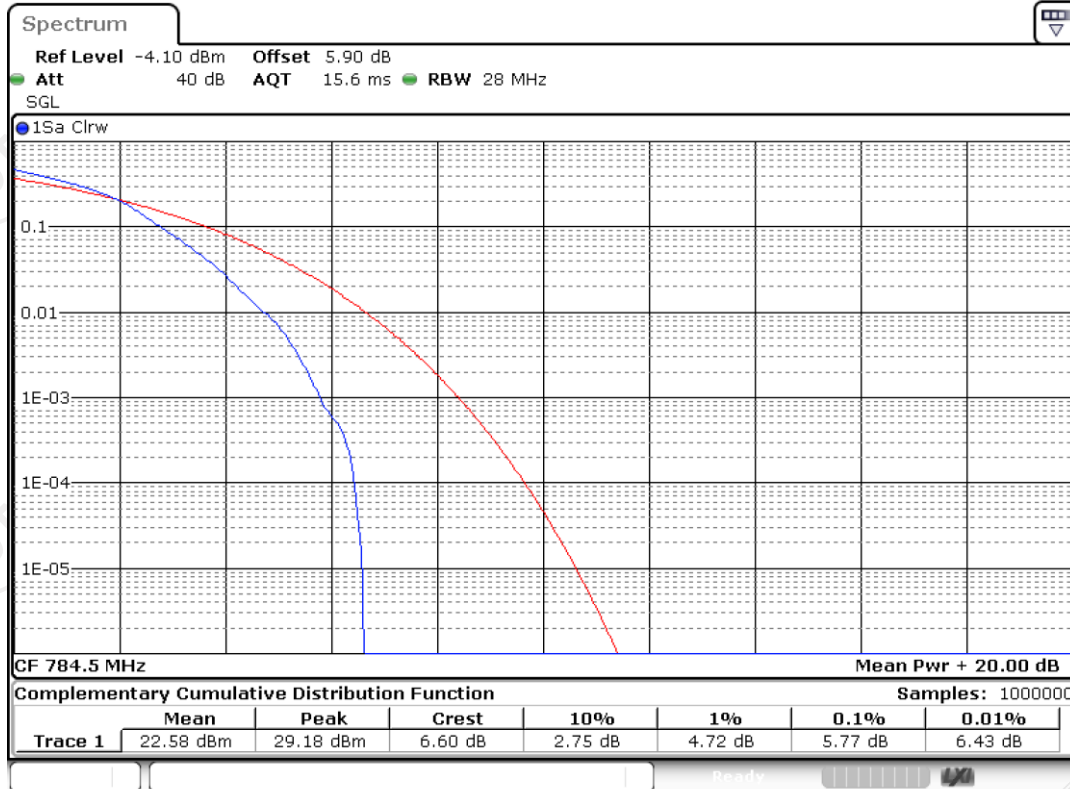
Date: 9.JAN.2024 15:57:59

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



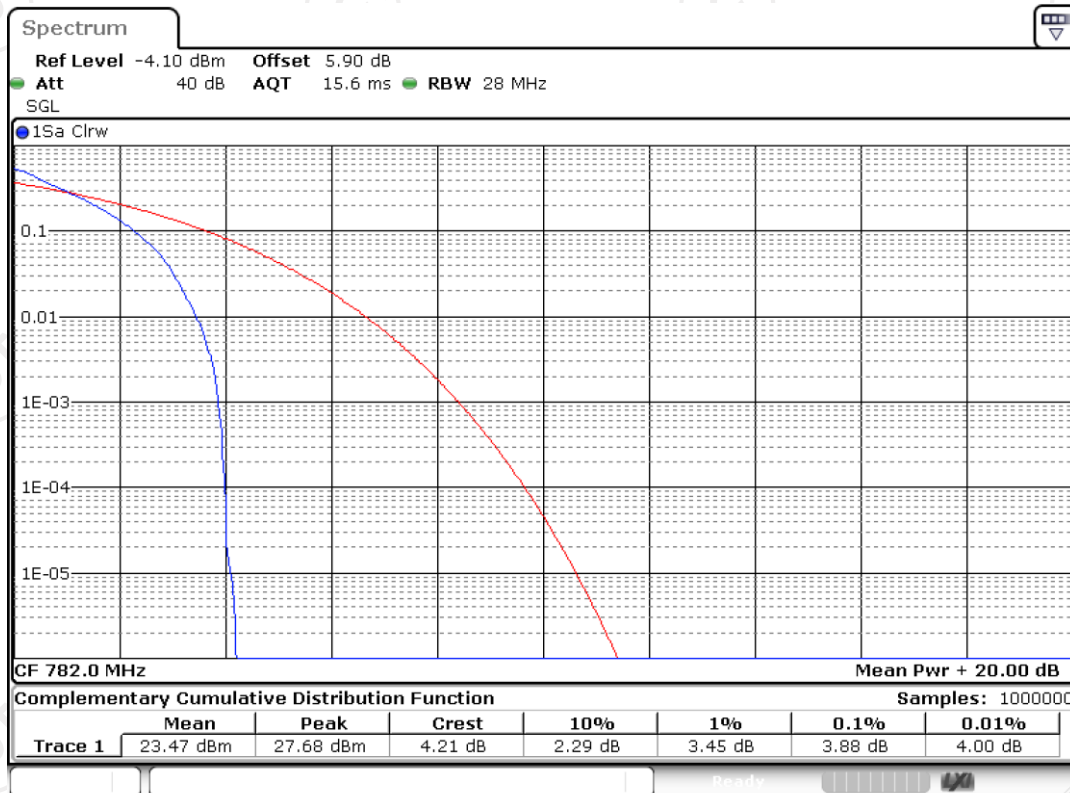
Date: 9.JAN.2024 15:58:04

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



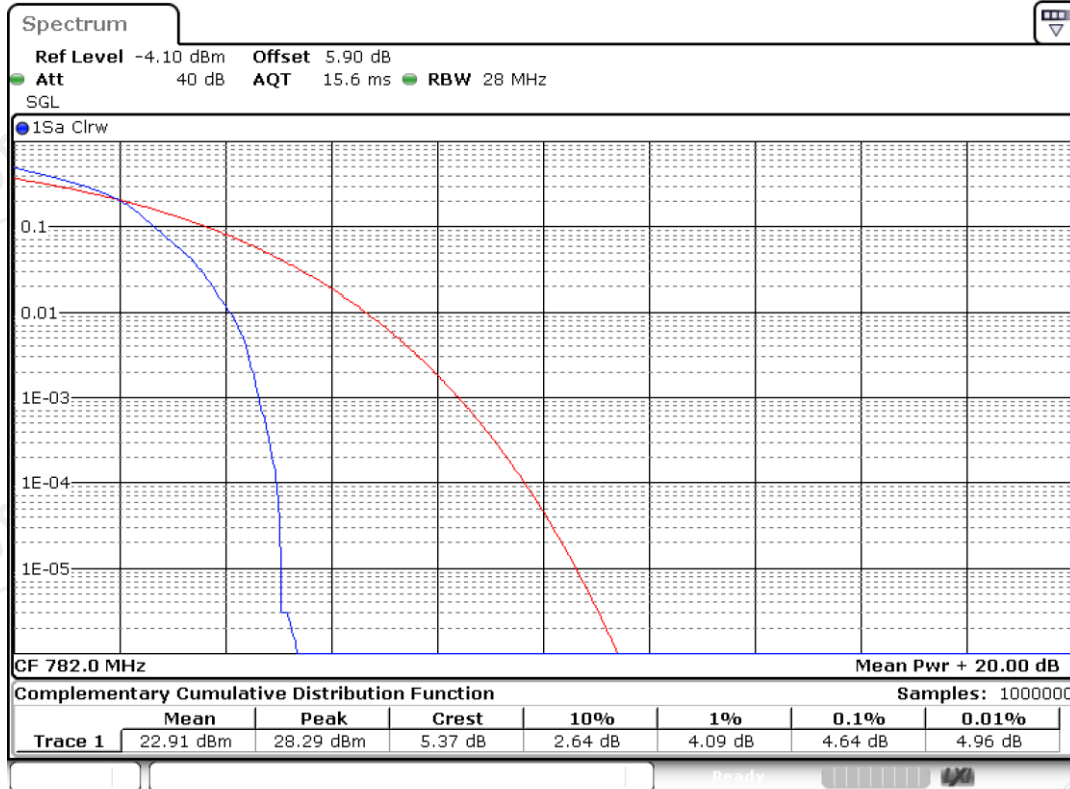
Date: 9.JAN.2024 15:58:08

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



Date: 9.JAN.2024 15:58:14

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

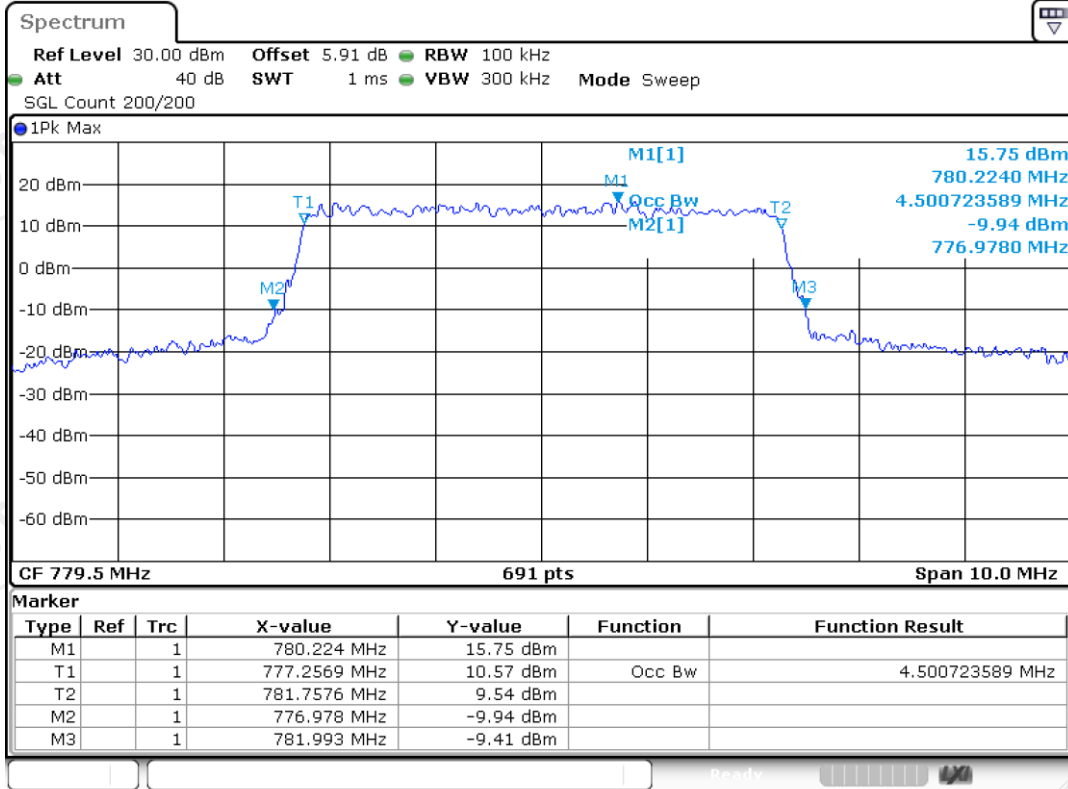


Date: 9.JAN.2024 15:58:18

4 Occupied bandwidth

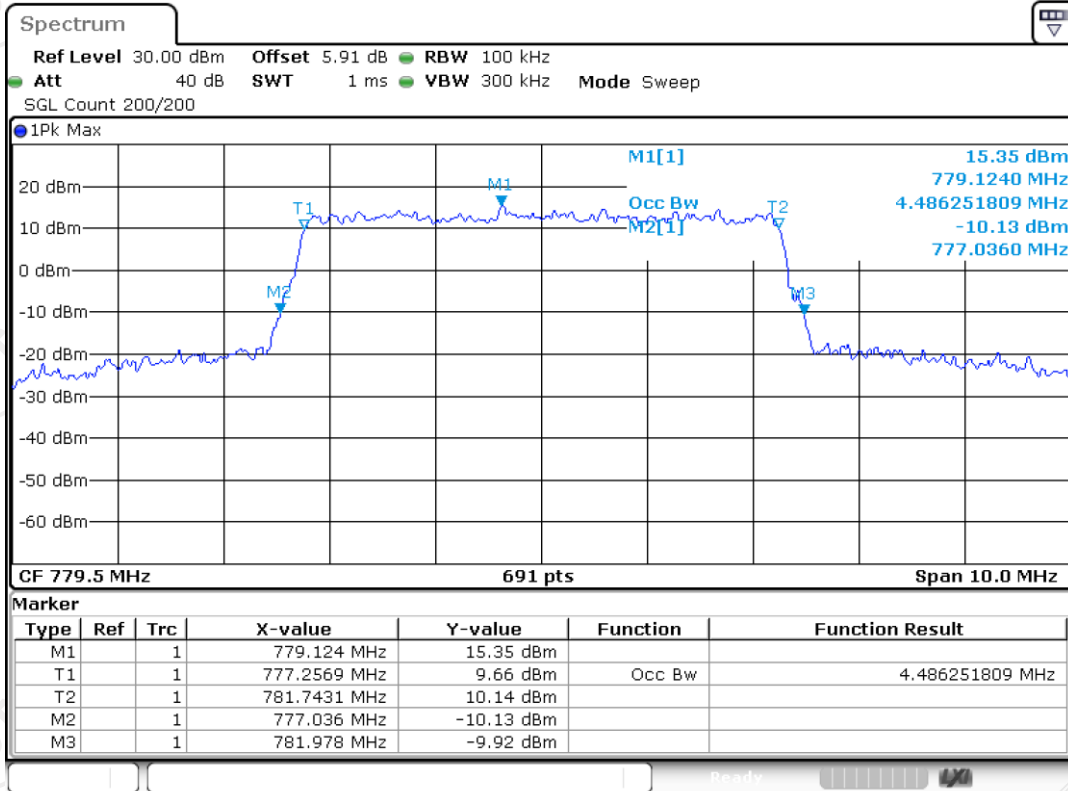
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band13	5	23205	25	#0	QPSK	4.501	5.014	PASS
Band13	5	23205	25	#0	16QAM	4.486	4.942	PASS
Band13	5	23230	25	#0	QPSK	4.501	4.957	PASS
Band13	5	23230	25	#0	16QAM	4.501	4.971	PASS
Band13	5	23255	25	#0	QPSK	4.501	4.957	PASS
Band13	5	23255	25	#0	16QAM	4.515	4.928	PASS
Band13	10	23230	50	#0	QPSK	8.973	9.797	PASS
Band13	10	23230	50	#0	16QAM	8.973	9.739	PASS

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



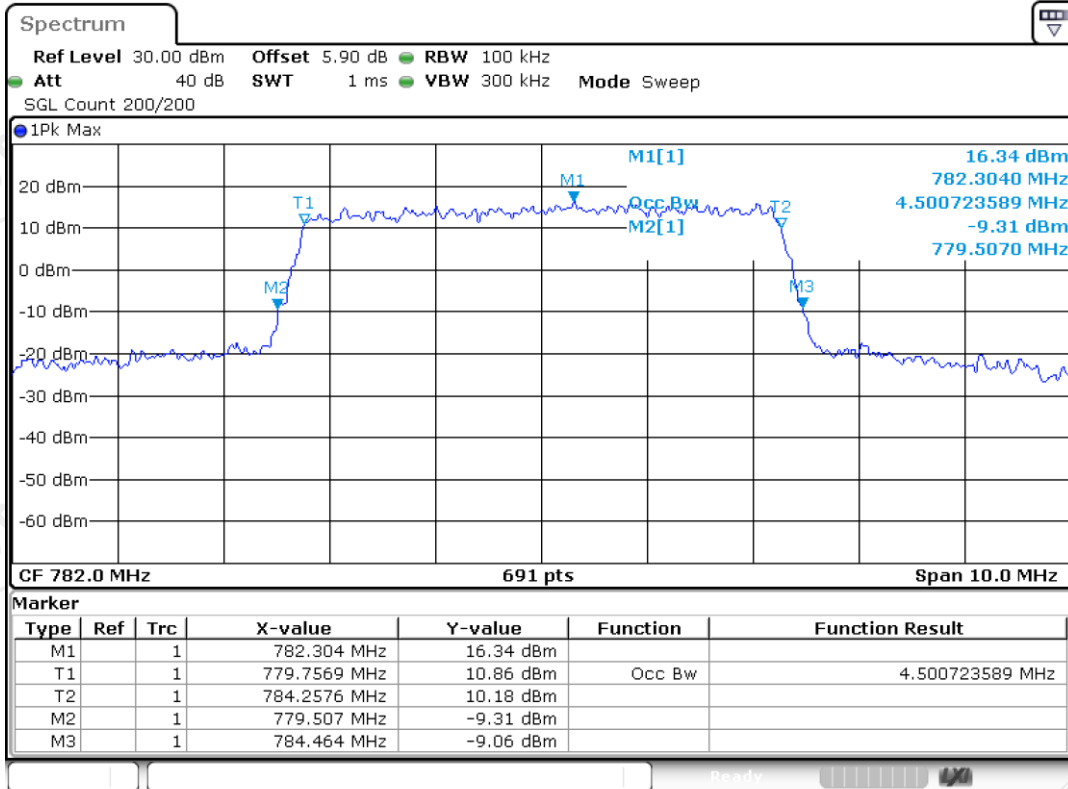
Date: 9.JAN.2024 15:58:25

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



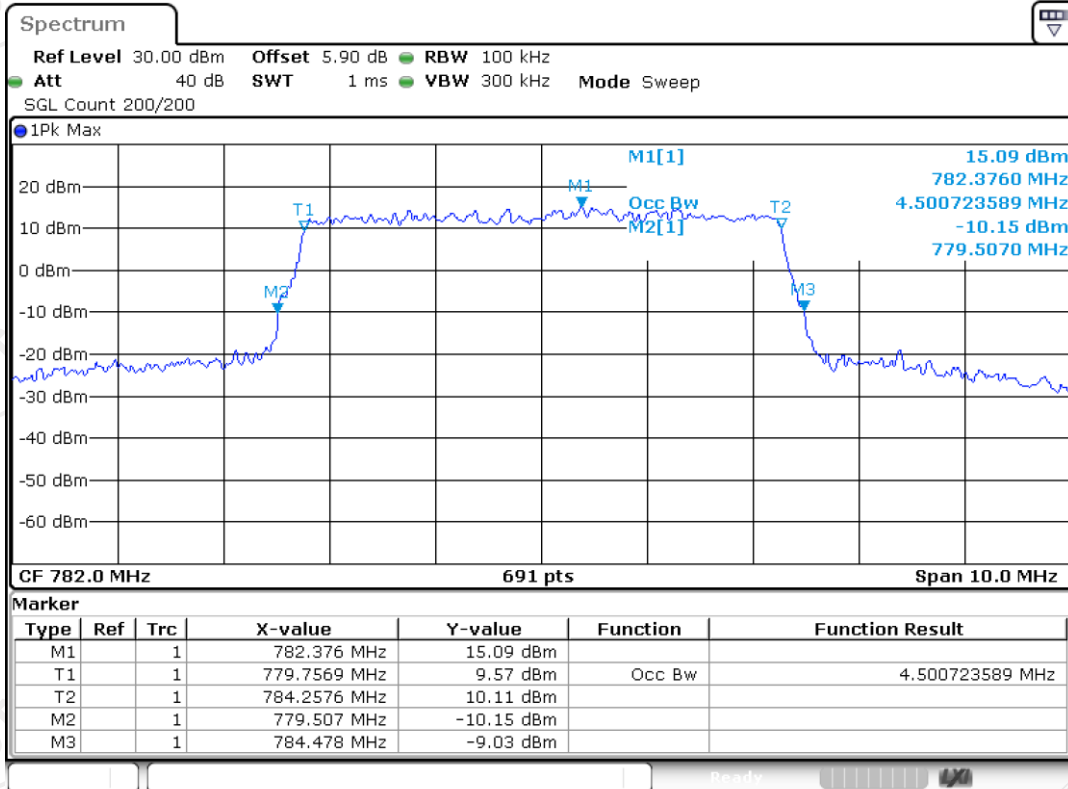
Date: 9.JAN.2024 15:58:31

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



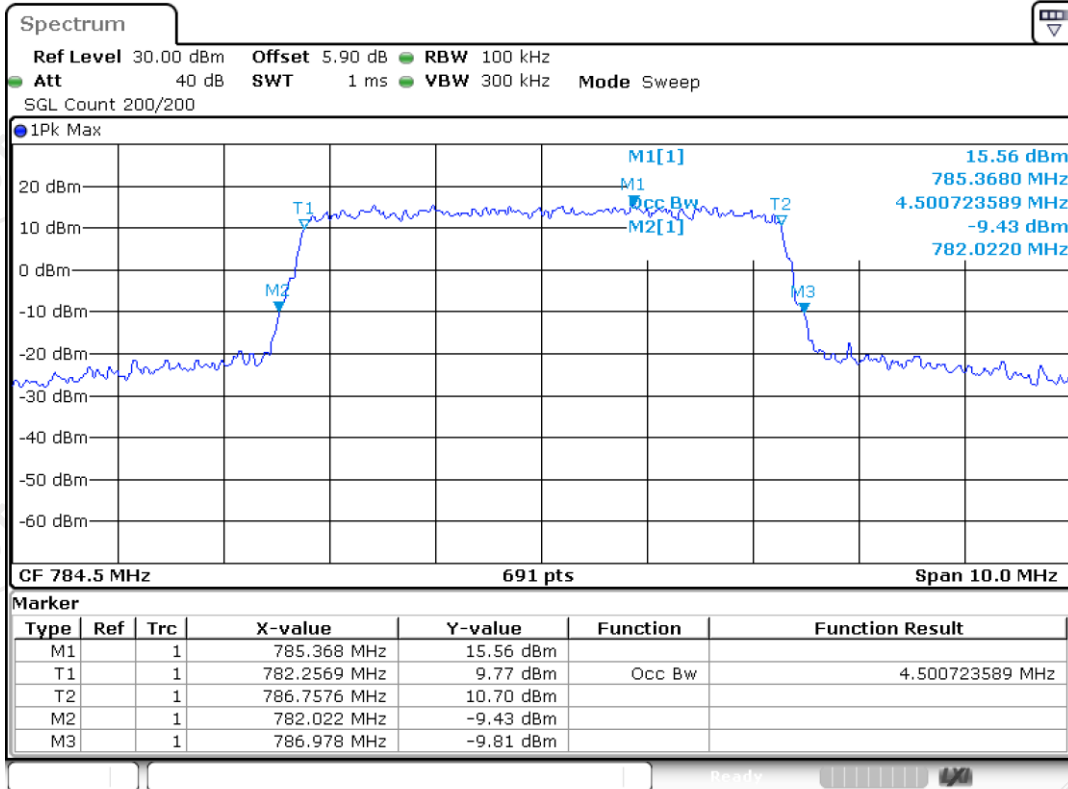
Date: 9.JAN.2024 15:58:37

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



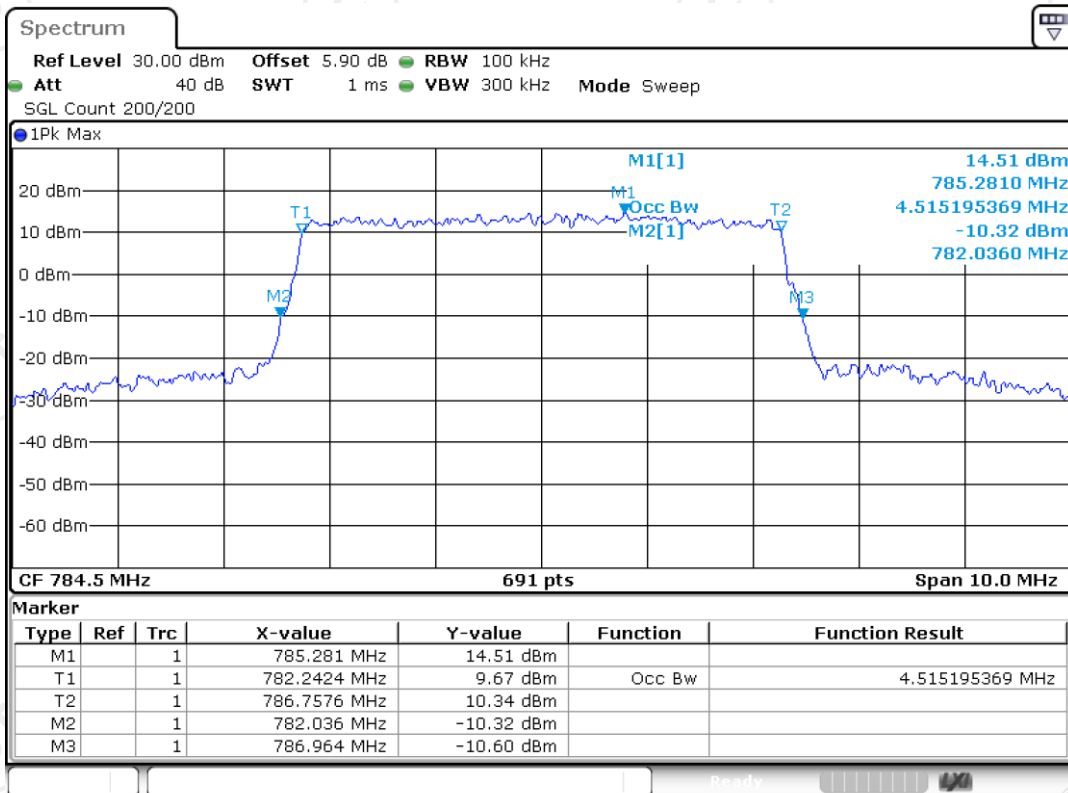
Date: 9.JAN.2024 15:58:42

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



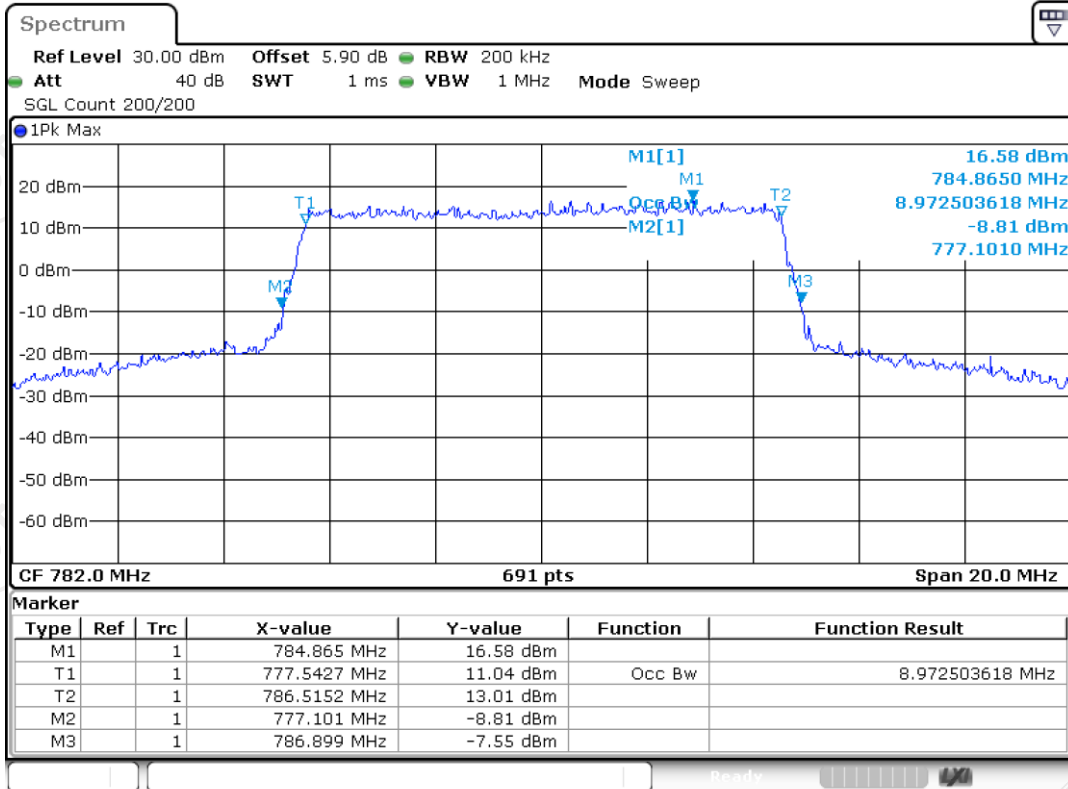
Date: 9.JAN.2024 15:58:48

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



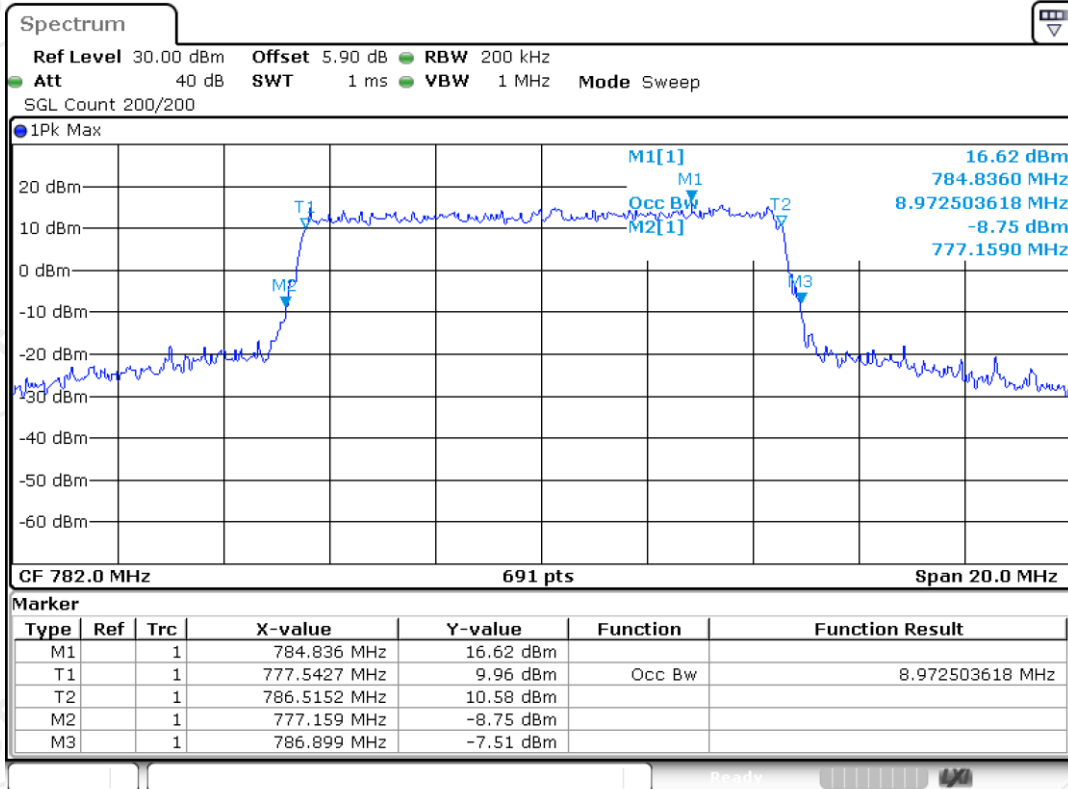
Date: 9.JAN.2024 15:58:53

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



Date: 9.JAN.2024 15:59:00

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

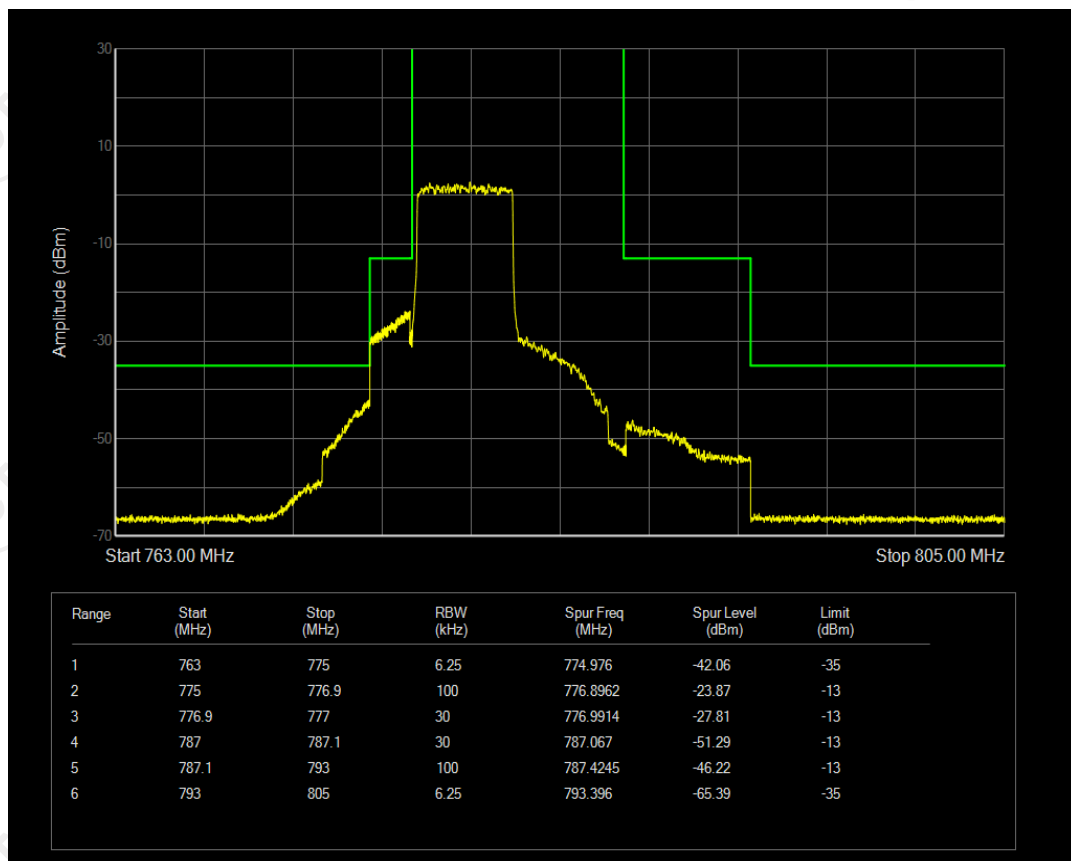


Date: 9.JAN.2024 15:59:07

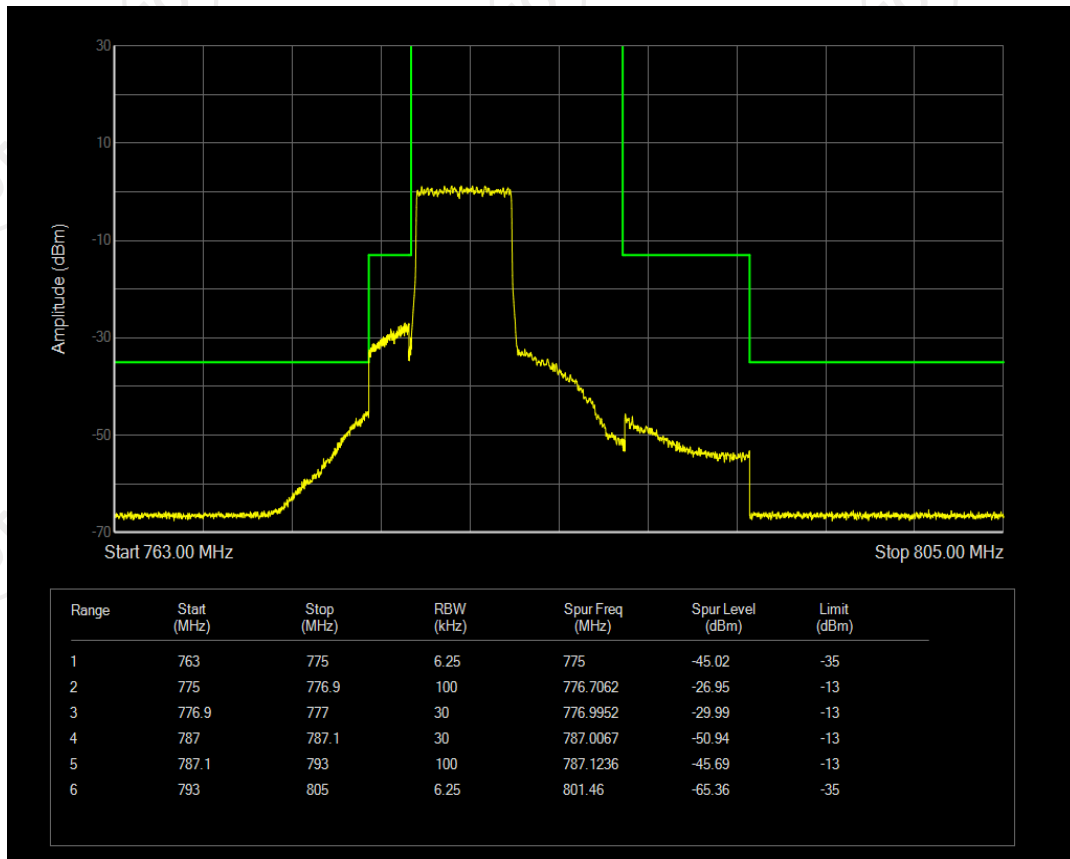
5 Band edge

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	774.98	-42.06	-35	PASS
Band13	5	23205	25	#0	16QAM	775.00	-45.02	-35	PASS
Band13	5	23255	25	#0	QPSK	787.38	-28.25	-13	PASS
Band13	5	23255	25	#0	16QAM	787.16	-30.08	-13	PASS
Band13	10	23230	50	#0	QPSK	774.95	-43.12	-35	PASS
Band13	10	23230	50	#0	16QAM	774.95	-45.99	-35	PASS

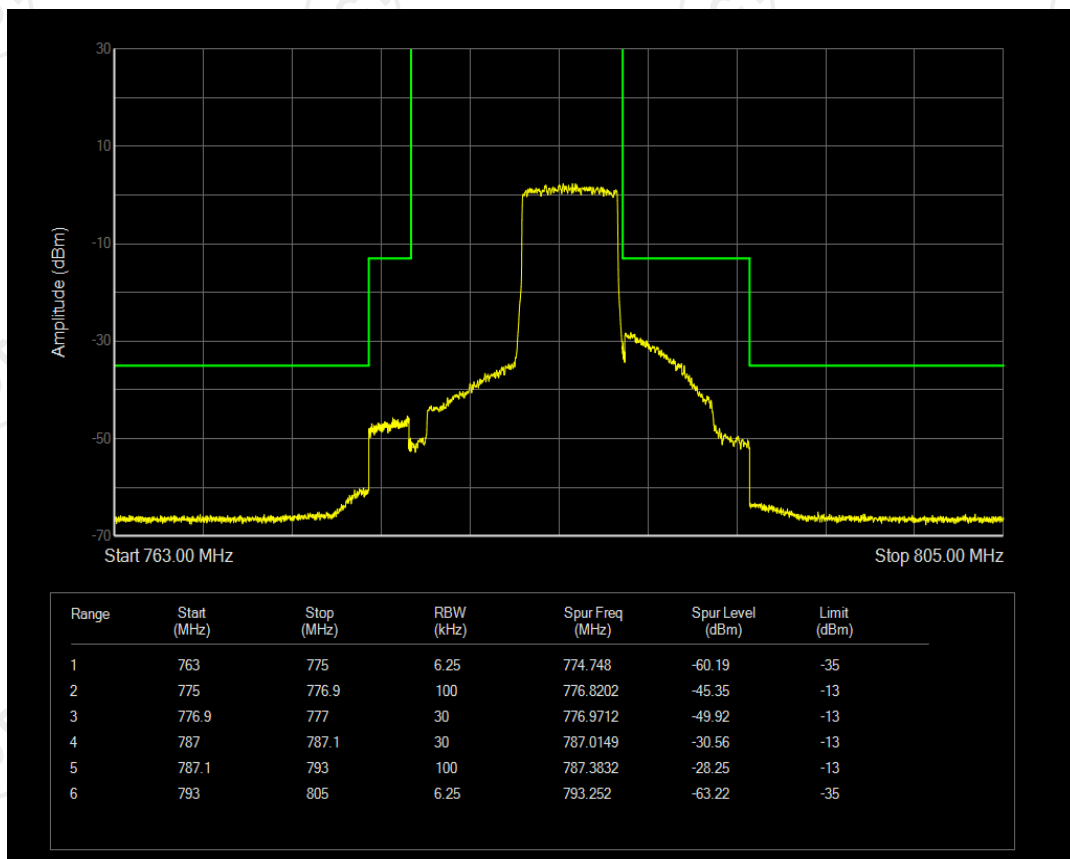
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



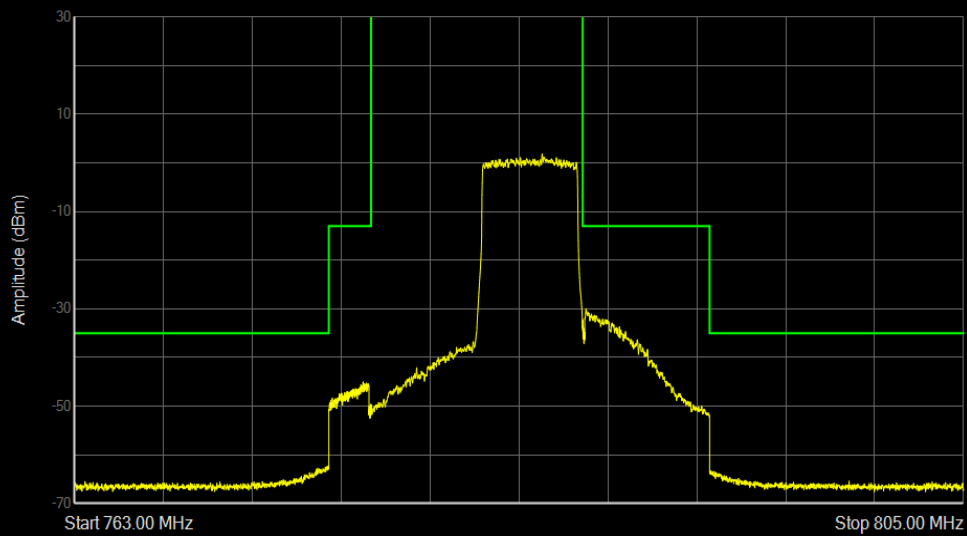
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



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

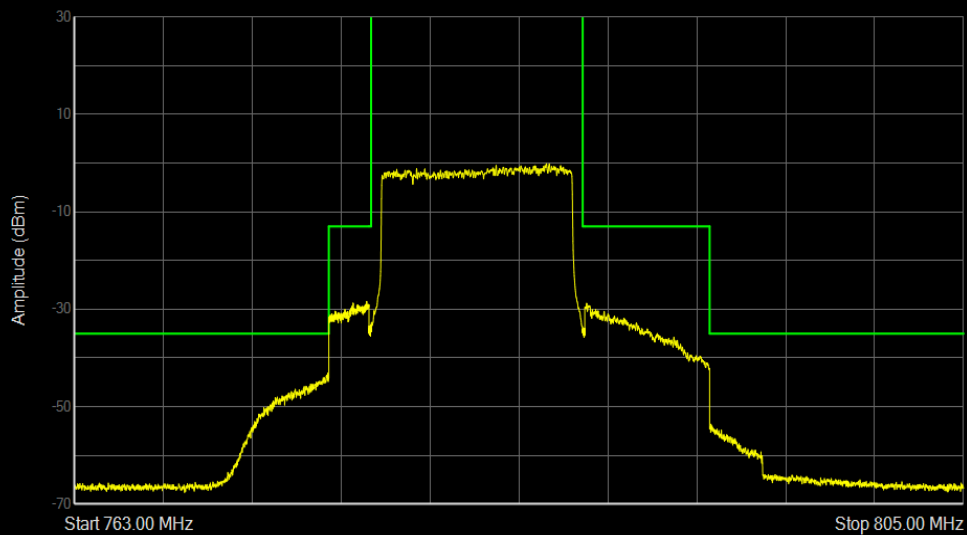


Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



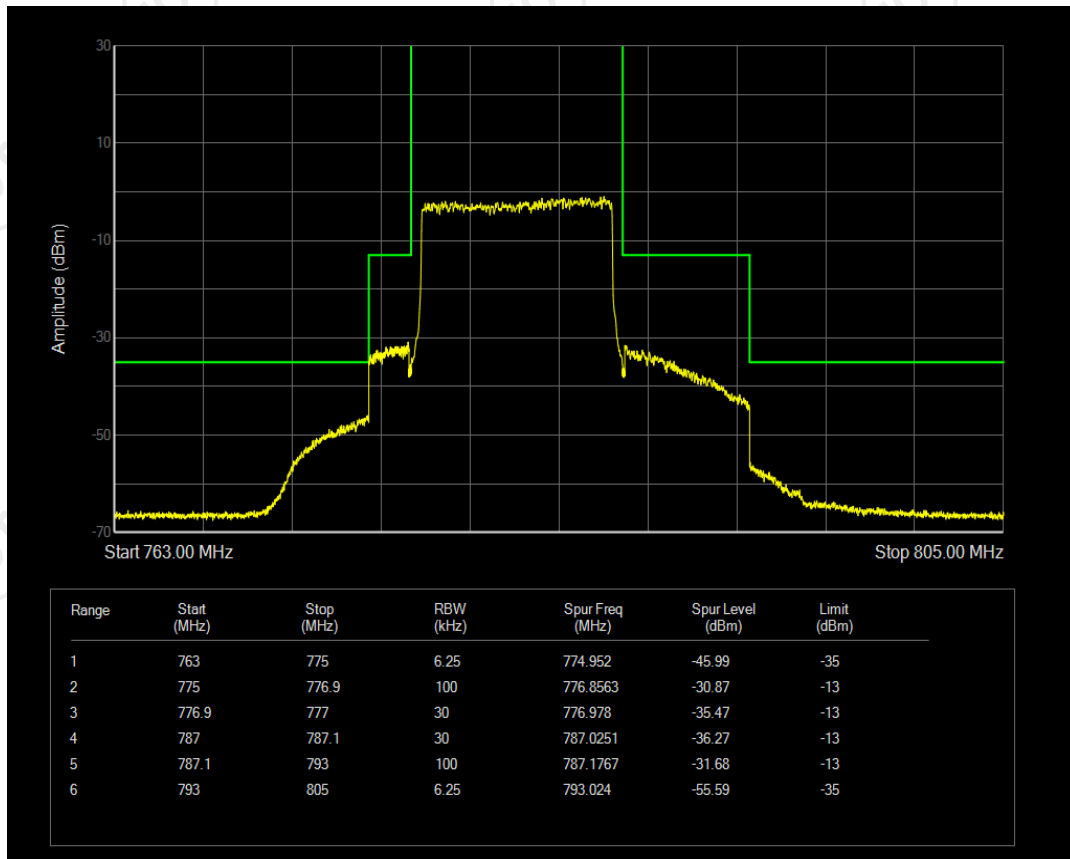
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	763	775	6.25	774.928	-62.31	-35
2	775	776.9	100	776.6188	-45.01	-13
3	776.9	777	30	776.994	-49.66	-13
4	787	787.1	30	787.0081	-32.27	-13
5	787.1	793	100	787.159	-30.08	-13
6	793	805	6.25	793.036	-63.26	-35

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	6.25	774.952	-43.12	-35
2	775	776.9	100	776.7917	-28.41	-13
3	776.9	777	30	776.9997	-33.18	-13
4	787	787.1	30	787.0115	-33.87	-13
5	787.1	793	100	787.1885	-28.79	-13
6	793	805	6.25	793.06	-53.6	-35

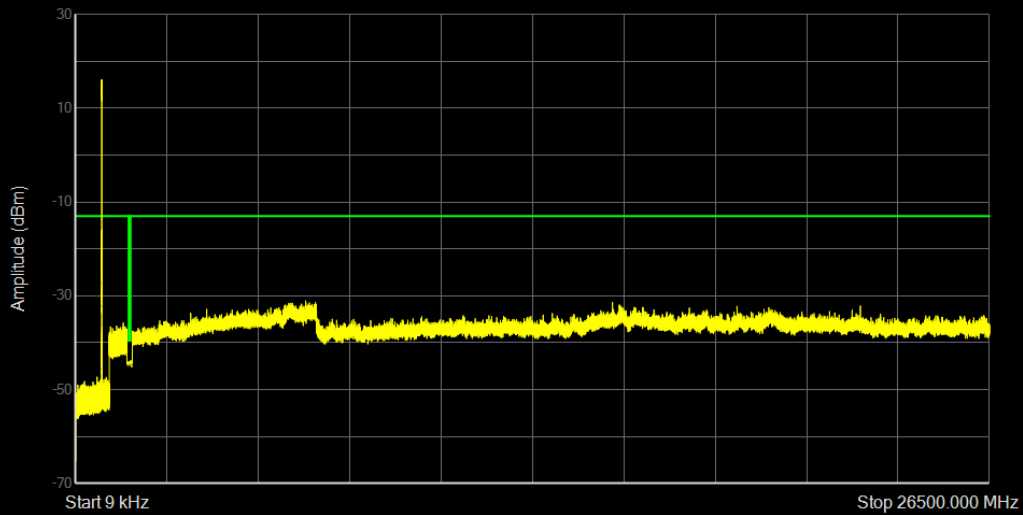
Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



6 Out-of-band emissions

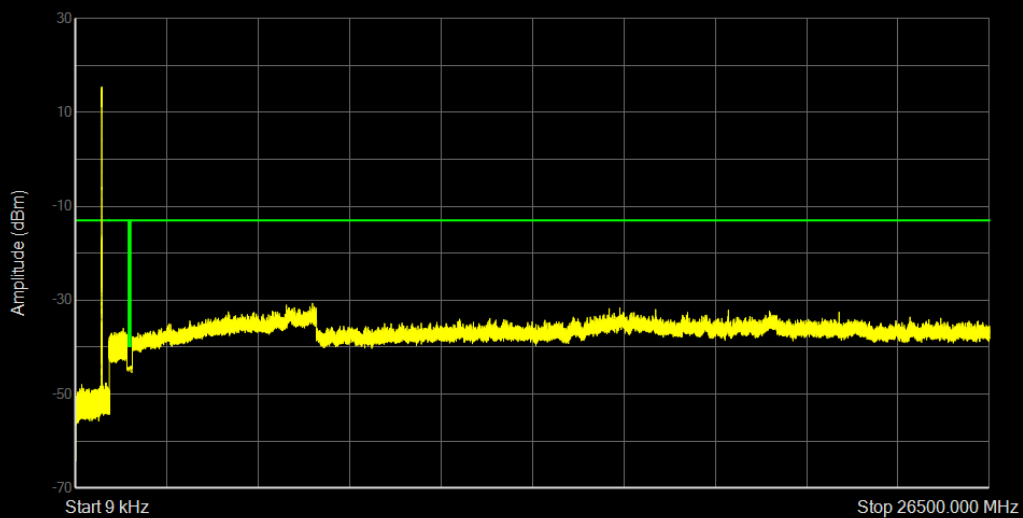
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band13	5	23205	25	#0	QPSK	1587.04	-45.94	-40	PASS
Band13	5	23205	25	#0	16QAM	1570.64	-46.06	-40	PASS
Band13	5	23255	25	#0	QPSK	1570.55	-46.46	-40	PASS
Band13	5	23255	25	#0	16QAM	1568.24	-45.63	-40	PASS
Band13	10	23230	50	#0	QPSK	1603.15	-46.01	-40	PASS
Band13	10	23230	50	#0	16QAM	1591.23	-46.13	-40	PASS

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



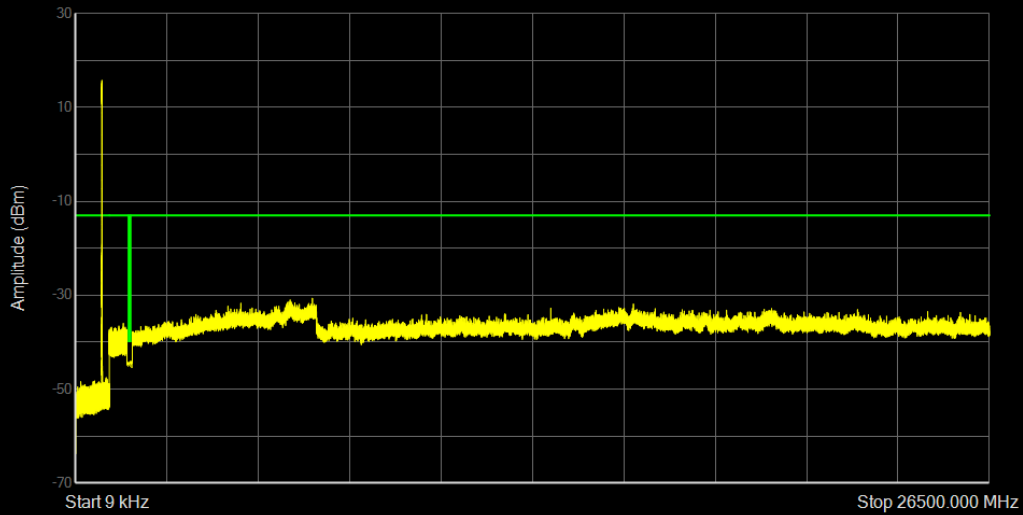
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-62.32	-13
2	0.15	30	10	2.44248	-56.55	-13
3	30	1000	100	643.525	-47.31	-13
4	1000	1559	1000	1403.3185	-35.77	-13
5	1559	1610	1000	1587.0398	-45.94	-40
6	1610	26500	1000	6686.7303333333	-31.05	-13

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



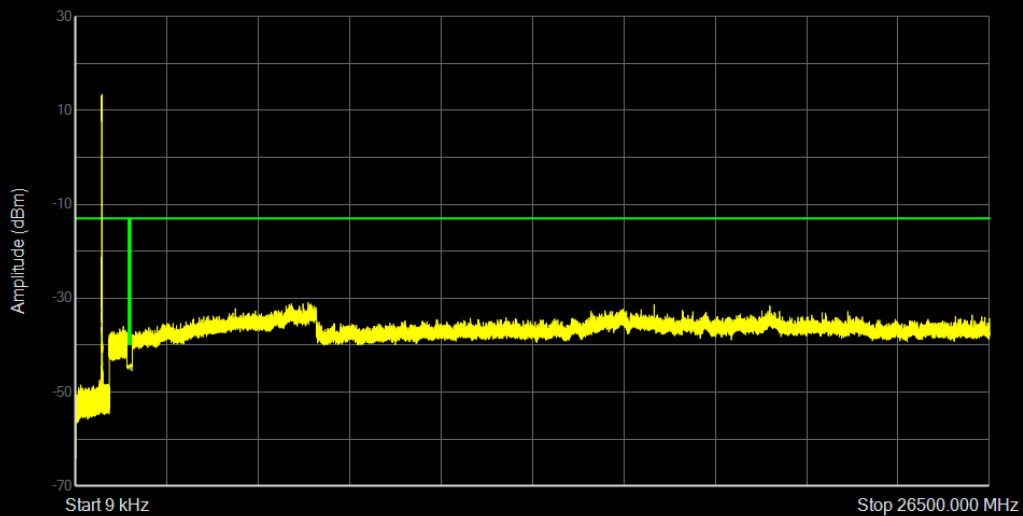
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-62.22	-13
2	0.15	30	10	12.524815	-57.12	-13
3	30	1000	100	900.316333333333	-47.59	-13
4	1000	1559	1000	1404.4365	-35.97	-13
5	1559	1610	1000	1570.6382	-46.06	-40
6	1610	26500	1000	6883.3613333333	-30.64	-13

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



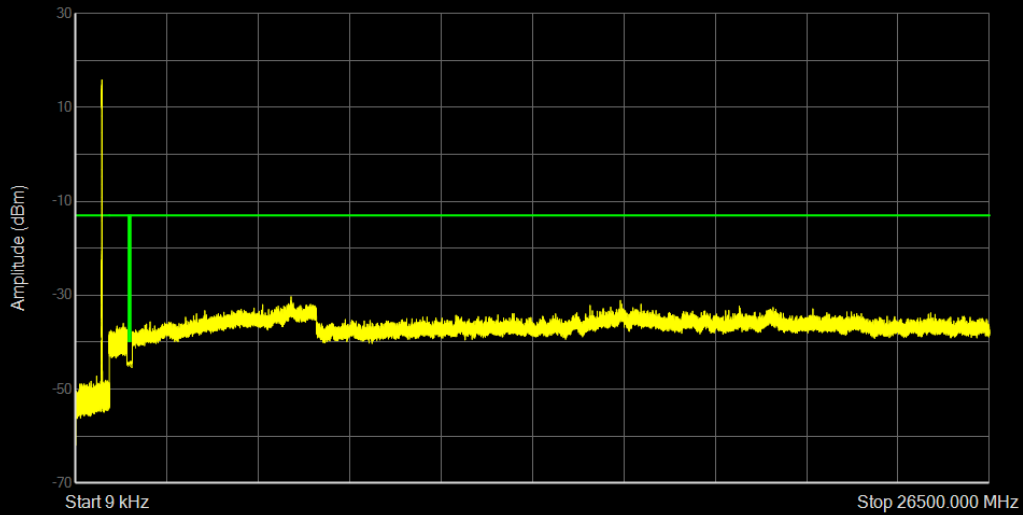
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104664	-60.55	-13
2	0.15	30	10	2.807645	-57.47	-13
3	30	1000	100	905.780666666667	-47.56	-13
4	1000	1559	1000	1461.77126666667	-36.56	-13
5	1559	1610	1000	1570.5549	-46.46	-40
6	1610	26500	1000	6882.53166666667	-30.65	-13

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



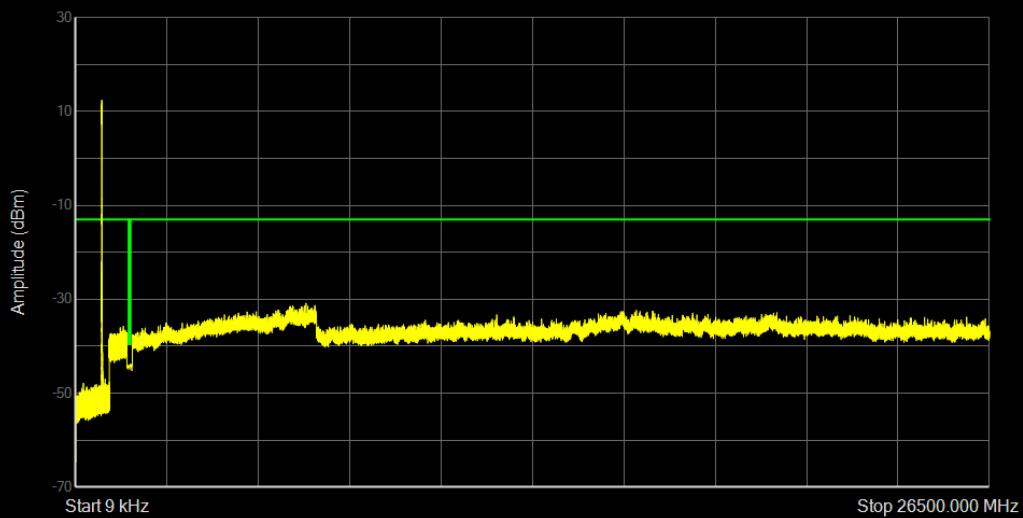
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0111056	-61.35	-13
2	0.15	30	10	5.75583	-55.72	-13
3	30	1000	100	716.76	-47.44	-13
4	1000	1559	1000	1489.0691	-35.82	-13
5	1559	1610	1000	1503.149	-46.01	-40
6	1610	26500	1000	6758.91133333333	-30.95	-13

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	0.009	0.15	1	0.0212012	-63.35	-13
2	0.15	30	10	12.28303	-58.29	-13
3	30	1000	100	632.4993333333333	-47.2	-13
4	1000	1559	1000	1405.5731333333333	-35.79	-13
5	1559	1610	1000	1568.2395	-45.63	-40
6	1610	26500	1000	6265.259666666667	-30.31	-13

Band13 16QAM 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	0.009	0.15	1	0.0134838	-63.01	-13
2	0.15	30	10	5.281215	-57.72	-13
3	30	1000	100	879.235	-46.99	-13
4	1000	1559	1000	1313.0772666666667	-36.05	-13
5	1559	1610	1000	1591.2337	-46.13	-40
6	1610	26500	1000	6698.345666666667	-30.87	-13