

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band41	5	39675	1	#0	QPSK	21.59	1.77	23.36	33	PASS
Band41	5	39675	1	#Mid	QPSK	21.63	1.77	23.4	33	PASS
Band41	5	39675	1	#Max	QPSK	21.61	1.77	23.38	33	PASS
Band41	5	39675	12	#0	QPSK	20.64	1.77	22.41	33	PASS
Band41	5	39675	12	#Mid	QPSK	20.72	1.77	22.49	33	PASS
Band41	5	39675	12	#Max	QPSK	20.72	1.77	22.49	33	PASS
Band41	5	39675	25	#0	QPSK	20.67	1.77	22.44	33	PASS
Band41	5	39675	1	#0	QAM16	21.06	1.77	22.83	33	PASS
Band41	5	39675	1	#Mid	QAM16	21.06	1.77	22.83	33	PASS
Band41	5	39675	1	#Max	QAM16	21.07	1.77	22.84	33	PASS
Band41	5	39675	12	#0	QAM16	19.78	1.77	21.55	33	PASS
Band41	5	39675	12	#Mid	QAM16	19.82	1.77	21.59	33	PASS
Band41	5	39675	12	#Max	QAM16	19.81	1.77	21.58	33	PASS
Band41	5	39675	25	#0	QAM16	19.72	1.77	21.49	33	PASS
Band41	5	40620	1	#0	QPSK	22.23	1.77	24	33	PASS
Band41	5	40620	1	#Mid	QPSK	22.2	1.77	23.97	33	PASS
Band41	5	40620	1	#Max	QPSK	22.14	1.77	23.91	33	PASS
Band41	5	40620	12	#0	QPSK	21.23	1.77	23	33	PASS
Band41	5	40620	12	#Mid	QPSK	21.26	1.77	23.03	33	PASS
Band41	5	40620	12	#Max	QPSK	21.21	1.77	22.98	33	PASS
Band41	5	40620	25	#0	QPSK	21.22	1.77	22.99	33	PASS
Band41	5	40620	1	#0	QAM16	21.94	1.77	23.71	33	PASS
Band41	5	40620	1	#Mid	QAM16	21.96	1.77	23.73	33	PASS
Band41	5	40620	1	#Max	QAM16	21.95	1.77	23.72	33	PASS
Band41	5	40620	12	#0	QAM16	20.36	1.77	22.13	33	PASS
Band41	5	40620	12	#Mid	QAM16	20.39	1.77	22.16	33	PASS
Band41	5	40620	12	#Max	QAM16	20.36	1.77	22.13	33	PASS
Band41	5	40620	25	#0	QAM16	20.3	1.77	22.07	33	PASS
Band41	5	41565	1	#0	QPSK	21.37	1.77	23.14	33	PASS
Band41	5	41565	1	#Mid	QPSK	21.33	1.77	23.1	33	PASS
Band41	5	41565	1	#Max	QPSK	21.34	1.77	23.11	33	PASS
Band41	5	41565	12	#0	QPSK	20.36	1.77	22.13	33	PASS
Band41	5	41565	12	#Mid	QPSK	20.41	1.77	22.18	33	PASS
Band41	5	41565	12	#Max	QPSK	20.42	1.77	22.19	33	PASS
Band41	5	41565	25	#0	QPSK	20.39	1.77	22.16	33	PASS
Band41	5	41565	1	#0	QAM16	20.77	1.77	22.54	33	PASS
Band41	5	41565	1	#Mid	QAM16	20.77	1.77	22.54	33	PASS
Band41	5	41565	1	#Max	QAM16	20.82	1.77	22.59	33	PASS
Band41	5	41565	12	#0	QAM16	19.48	1.77	21.25	33	PASS
Band41	5	41565	12	#Mid	QAM16	19.51	1.77	21.28	33	PASS
Band41	5	41565	12	#Max	QAM16	19.52	1.77	21.29	33	PASS

Band41	5	41565	25	#0	QAM16	19.56	1.77	21.33	33	PASS
Band41	10	39700	1	#0	QPSK	21.61	1.77	23.38	33	PASS
Band41	10	39700	1	#Mid	QPSK	21.7	1.77	23.47	33	PASS
Band41	10	39700	1	#Max	QPSK	21.71	1.77	23.48	33	PASS
Band41	10	39700	25	#0	QPSK	20.7	1.77	22.47	33	PASS
Band41	10	39700	25	#Mid	QPSK	20.77	1.77	22.54	33	PASS
Band41	10	39700	25	#Max	QPSK	20.74	1.77	22.51	33	PASS
Band41	10	39700	50	#0	QPSK	20.74	1.77	22.51	33	PASS
Band41	10	39700	1	#0	QAM16	21.25	1.77	23.02	33	PASS
Band41	10	39700	1	#Mid	QAM16	21.27	1.77	23.04	33	PASS
Band41	10	39700	1	#Max	QAM16	21.31	1.77	23.08	33	PASS
Band41	10	39700	25	#0	QAM16	19.79	1.77	21.56	33	PASS
Band41	10	39700	25	#Mid	QAM16	19.82	1.77	21.59	33	PASS
Band41	10	39700	25	#Max	QAM16	19.82	1.77	21.59	33	PASS
Band41	10	39700	50	#0	QAM16	19.77	1.77	21.54	33	PASS
Band41	10	40620	1	#0	QPSK	22.25	1.77	24.02	33	PASS
Band41	10	40620	1	#Mid	QPSK	22.19	1.77	23.96	33	PASS
Band41	10	40620	1	#Max	QPSK	22.14	1.77	23.91	33	PASS
Band41	10	40620	25	#0	QPSK	21.26	1.77	23.03	33	PASS
Band41	10	40620	25	#Mid	QPSK	21.24	1.77	23.01	33	PASS
Band41	10	40620	25	#Max	QPSK	21.19	1.77	22.96	33	PASS
Band41	10	40620	50	#0	QPSK	21.26	1.77	23.03	33	PASS
Band41	10	40620	1	#0	QAM16	21.57	1.77	23.34	33	PASS
Band41	10	40620	1	#Mid	QAM16	21.49	1.77	23.26	33	PASS
Band41	10	40620	1	#Max	QAM16	21.46	1.77	23.23	33	PASS
Band41	10	40620	25	#0	QAM16	20.37	1.77	22.14	33	PASS
Band41	10	40620	25	#Mid	QAM16	20.36	1.77	22.13	33	PASS
Band41	10	40620	25	#Max	QAM16	20.35	1.77	22.12	33	PASS
Band41	10	40620	50	#0	QAM16	20.4	1.77	22.17	33	PASS
Band41	10	41540	1	#0	QPSK	22.02	1.77	23.79	33	PASS
Band41	10	41540	1	#Mid	QPSK	21.41	1.77	23.18	33	PASS
Band41	10	41540	1	#Max	QPSK	22.02	1.77	23.79	33	PASS
Band41	10	41540	25	#0	QPSK	20.62	1.77	22.39	33	PASS
Band41	10	41540	25	#Mid	QPSK	20.5	1.77	22.27	33	PASS
Band41	10	41540	25	#Max	QPSK	20.59	1.77	22.36	33	PASS
Band41	10	41540	50	#0	QPSK	20.63	1.77	22.4	33	PASS
Band41	10	41540	1	#0	QAM16	21.09	1.77	22.86	33	PASS
Band41	10	41540	1	#Mid	QAM16	20.5	1.77	22.27	33	PASS
Band41	10	41540	1	#Max	QAM16	21.06	1.77	22.83	33	PASS
Band41	10	41540	25	#0	QAM16	19.77	1.77	21.54	33	PASS
Band41	10	41540	25	#Mid	QAM16	19.59	1.77	21.36	33	PASS
Band41	10	41540	25	#Max	QAM16	19.74	1.77	21.51	33	PASS
Band41	10	41540	50	#0	QAM16	19.73	1.77	21.5	33	PASS
Band41	15	39725	1	#0	QPSK	21.68	1.77	23.45	33	PASS

Band41	15	39725	1	#Mid	QPSK	21.73	1.77	23.5	33	PASS
Band41	15	39725	1	#Max	QPSK	21.8	1.77	23.57	33	PASS
Band41	15	39725	36	#0	QPSK	20.66	1.77	22.43	33	PASS
Band41	15	39725	36	#Mid	QPSK	20.7	1.77	22.47	33	PASS
Band41	15	39725	36	#Max	QPSK	20.73	1.77	22.5	33	PASS
Band41	15	39725	75	#0	QPSK	20.69	1.77	22.46	33	PASS
Band41	15	39725	1	#0	QAM16	21.23	1.77	23	33	PASS
Band41	15	39725	1	#Mid	QAM16	21.28	1.77	23.05	33	PASS
Band41	15	39725	1	#Max	QAM16	21.32	1.77	23.09	33	PASS
Band41	15	39725	36	#0	QAM16	19.83	1.77	21.6	33	PASS
Band41	15	39725	36	#Mid	QAM16	19.86	1.77	21.63	33	PASS
Band41	15	39725	36	#Max	QAM16	19.89	1.77	21.66	33	PASS
Band41	15	39725	75	#0	QAM16	19.8	1.77	21.57	33	PASS
Band41	15	40620	1	#0	QPSK	22.17	1.77	23.94	33	PASS
Band41	15	40620	1	#Mid	QPSK	22.21	1.77	23.98	33	PASS
Band41	15	40620	1	#Max	QPSK	22.14	1.77	23.91	33	PASS
Band41	15	40620	36	#0	QPSK	21.21	1.77	22.98	33	PASS
Band41	15	40620	36	#Mid	QPSK	21.2	1.77	22.97	33	PASS
Band41	15	40620	36	#Max	QPSK	21.15	1.77	22.92	33	PASS
Band41	15	40620	75	#0	QPSK	21.16	1.77	22.93	33	PASS
Band41	15	40620	1	#0	QAM16	21.45	1.77	23.22	33	PASS
Band41	15	40620	1	#Mid	QAM16	21.51	1.77	23.28	33	PASS
Band41	15	40620	1	#Max	QAM16	21.47	1.77	23.24	33	PASS
Band41	15	40620	36	#0	QAM16	20.42	1.77	22.19	33	PASS
Band41	15	40620	36	#Mid	QAM16	20.37	1.77	22.14	33	PASS
Band41	15	40620	36	#Max	QAM16	20.34	1.77	22.11	33	PASS
Band41	15	40620	75	#0	QAM16	20.29	1.77	22.06	33	PASS
Band41	15	41515	1	#0	QPSK	21.47	1.77	23.24	33	PASS
Band41	15	41515	1	#Mid	QPSK	21.5	1.77	23.27	33	PASS
Band41	15	41515	1	#Max	QPSK	21.44	1.77	23.21	33	PASS
Band41	15	41515	36	#0	QPSK	20.42	1.77	22.19	33	PASS
Band41	15	41515	36	#Mid	QPSK	20.45	1.77	22.22	33	PASS
Band41	15	41515	36	#Max	QPSK	20.44	1.77	22.21	33	PASS
Band41	15	41515	75	#0	QPSK	20.43	1.77	22.2	33	PASS
Band41	15	41515	1	#0	QAM16	20.77	1.77	22.54	33	PASS
Band41	15	41515	1	#Mid	QAM16	20.73	1.77	22.5	33	PASS
Band41	15	41515	1	#Max	QAM16	20.73	1.77	22.5	33	PASS
Band41	15	41515	36	#0	QAM16	19.52	1.77	21.29	33	PASS
Band41	15	41515	36	#Mid	QAM16	19.52	1.77	21.29	33	PASS
Band41	15	41515	36	#Max	QAM16	19.52	1.77	21.29	33	PASS
Band41	15	41515	75	#0	QAM16	19.59	1.77	21.36	33	PASS
Band41	20	39750	1	#0	QPSK	21.69	1.77	23.46	33	PASS
Band41	20	39750	1	#Mid	QPSK	21.78	1.77	23.55	33	PASS
Band41	20	39750	1	#Max	QPSK	21.93	1.77	23.7	33	PASS

Band41	20	39750	50	#0	QPSK	20.7	1.77	22.47	33	PASS
Band41	20	39750	50	#Mid	QPSK	20.74	1.77	22.51	33	PASS
Band41	20	39750	50	#Max	QPSK	20.94	1.77	22.71	33	PASS
Band41	20	39750	100	#0	QPSK	20.88	1.77	22.65	33	PASS
Band41	20	39750	1	#0	QAM16	20.99	1.77	22.76	33	PASS
Band41	20	39750	1	#Mid	QAM16	21.08	1.77	22.85	33	PASS
Band41	20	39750	1	#Max	QAM16	21.22	1.77	22.99	33	PASS
Band41	20	39750	50	#0	QAM16	19.83	1.77	21.6	33	PASS
Band41	20	39750	50	#Mid	QAM16	19.9	1.77	21.67	33	PASS
Band41	20	39750	50	#Max	QAM16	20	1.77	21.77	33	PASS
Band41	20	39750	100	#0	QAM16	19.97	1.77	21.74	33	PASS
Band41	20	40620	1	#0	QPSK	22.18	1.77	23.95	33	PASS
Band41	20	40620	1	#Mid	QPSK	22.2	1.77	23.97	33	PASS
Band41	20	40620	1	#Max	QPSK	22.09	1.77	23.86	33	PASS
Band41	20	40620	50	#0	QPSK	21.27	1.77	23.04	33	PASS
Band41	20	40620	50	#Mid	QPSK	21.27	1.77	23.04	33	PASS
Band41	20	40620	50	#Max	QPSK	21.16	1.77	22.93	33	PASS
Band41	20	40620	100	#0	QPSK	21.22	1.77	22.99	33	PASS
Band41	20	40620	1	#0	QAM16	21.54	1.77	23.31	33	PASS
Band41	20	40620	1	#Mid	QAM16	21.58	1.77	23.35	33	PASS
Band41	20	40620	1	#Max	QAM16	21.45	1.77	23.22	33	PASS
Band41	20	40620	50	#0	QAM16	20.41	1.77	22.18	33	PASS
Band41	20	40620	50	#Mid	QAM16	20.4	1.77	22.17	33	PASS
Band41	20	40620	50	#Max	QAM16	20.27	1.77	22.04	33	PASS
Band41	20	40620	100	#0	QAM16	20.4	1.77	22.17	33	PASS
Band41	20	41490	1	#0	QPSK	23.1	1.77	24.87	33	PASS
Band41	20	41490	1	#Mid	QPSK	21.4	1.77	23.17	33	PASS
Band41	20	41490	1	#Max	QPSK	23.27	1.77	25.04	33	PASS
Band41	20	41490	50	#0	QPSK	20.53	1.77	22.3	33	PASS
Band41	20	41490	50	#Mid	QPSK	20.43	1.77	22.2	33	PASS
Band41	20	41490	50	#Max	QPSK	20.6	1.77	22.37	33	PASS
Band41	20	41490	100	#0	QPSK	20.48	1.77	22.25	33	PASS
Band41	20	41490	1	#0	QAM16	22.36	1.77	24.13	33	PASS
Band41	20	41490	1	#Mid	QAM16	20.79	1.77	22.56	33	PASS
Band41	20	41490	1	#Max	QAM16	22.5	1.77	24.27	33	PASS
Band41	20	41490	50	#0	QAM16	19.7	1.77	21.47	33	PASS
Band41	20	41490	50	#Mid	QAM16	19.54	1.77	21.31	33	PASS
Band41	20	41490	50	#Max	QAM16	19.71	1.77	21.48	33	PASS
Band41	20	41490	100	#0	QAM16	19.58	1.77	21.35	33	PASS

2 Frequency stability

2.1 Frequency VS Voltage

Band	Bandwidth (MHz)	Voltage	Temp (°C)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band41	20	LV	NT	39750	100	#0	QPSK	12.31	0.005	±2.5	PASS
Band41	20	NV	NT	39750	100	#0	QPSK	-0.34	0.000	±2.5	PASS
Band41	20	HV	NT	39750	100	#0	QPSK	-2.12	-0.001	±2.5	PASS
Band41	20	LV	NT	40620	100	#0	QPSK	8.57	0.003	±2.5	PASS
Band41	20	NV	NT	40620	100	#0	QPSK	9.86	0.004	±2.5	PASS
Band41	20	HV	NT	40620	100	#0	QPSK	6.73	0.003	±2.5	PASS
Band41	20	LV	NT	41490	100	#0	QPSK	3.82	0.005	±2.5	PASS
Band41	20	NV	NT	41490	100	#0	QPSK	1.73	0.002	±2.5	PASS
Band41	20	HV	NT	41490	100	#0	QPSK	-0.50	-0.001	±2.5	PASS
Band41	20	LV	NT	39750	100	#0	QAM16	-2.82	-0.004	±2.5	PASS
Band41	20	NV	NT	39750	100	#0	QAM16	4.08	0.006	±2.5	PASS
Band41	20	HV	NT	39750	100	#0	QAM16	2.59	0.004	±2.5	PASS
Band41	20	LV	NT	40620	100	#0	QAM16	-5.29	-0.007	±2.5	PASS
Band41	20	NV	NT	40620	100	#0	QAM16	-0.17	0.000	±2.5	PASS
Band41	20	HV	NT	40620	100	#0	QAM16	-7.16	-0.010	±2.5	PASS
Band41	20	LV	NT	41490	100	#0	QAM16	-3.78	-0.005	±2.5	PASS
Band41	20	NV	NT	41490	100	#0	QAM16	-0.99	-0.001	±2.5	PASS
Band41	20	HV	NT	41490	100	#0	QAM16	3.43	0.005	±2.5	PASS

2.2 .Frequency Vs Temperature

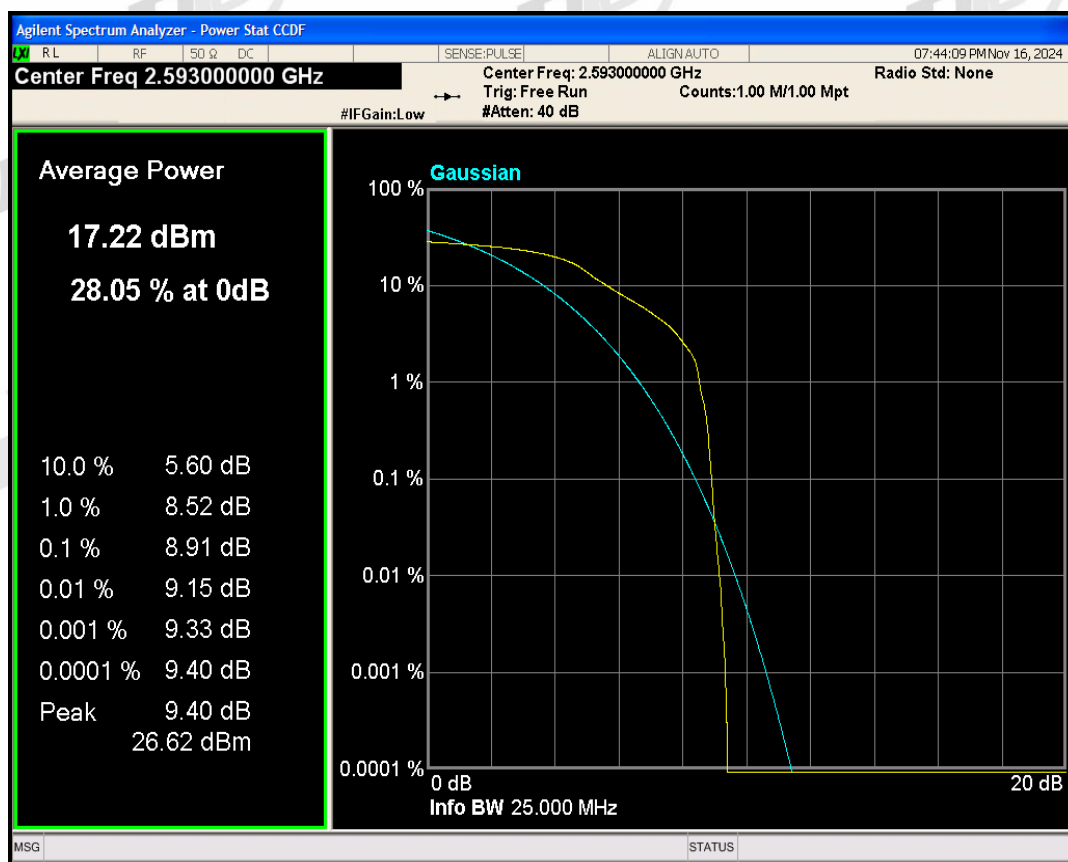
Band	Bandwidth (MHz)	Voltage	Temp (°C)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band41	20	NV	-30	39750	100	#0	QPSK	-12.06	-0.006	±2.5	PASS
Band41	20	NV	-20	39750	100	#0	QPSK	8.17	0.004	±2.5	PASS
Band41	20	NV	0	39750	100	#0	QPSK	13.44	0.007	±2.5	PASS
Band41	20	NV	10	39750	100	#0	QPSK	6.65	0.004	±2.5	PASS
Band41	20	NV	20	39750	100	#0	QPSK	-3.21	-0.002	±2.5	PASS
Band41	20	NV	30	39750	100	#0	QPSK	-2.71	-0.001	±2.5	PASS
Band41	20	NV	40	39750	100	#0	QPSK	2.21	0.001	±2.5	PASS
Band41	20	NV	50	39750	100	#0	QPSK	1.25	0.000	±2.5	PASS
Band41	20	NV	-30	40620	100	#0	QPSK	-2.95	-0.001	±2.5	PASS
Band41	20	NV	-20	40620	100	#0	QPSK	-6.66	-0.003	±2.5	PASS
Band41	20	NV	0	40620	100	#0	QPSK	-3.96	-0.002	±2.5	PASS
Band41	20	NV	10	40620	100	#0	QPSK	-5.50	-0.003	±2.5	PASS
Band41	20	NV	20	40620	100	#0	QPSK	-12.90	-0.008	±2.5	PASS
Band41	20	NV	30	40620	100	#0	QPSK	4.91	0.003	±2.5	PASS
Band41	20	NV	40	40620	100	#0	QPSK	2.91	0.002	±2.5	PASS
Band41	20	NV	50	40620	100	#0	QPSK	-5.22	-0.003	±2.5	PASS
Band41	20	NV	-30	41490	100	#0	QPSK	-1.74	-0.001	±2.5	PASS
Band41	20	NV	-20	41490	100	#0	QPSK	4.93	0.002	±2.5	PASS

Band41	20	NV	0	41490	100	#0	QPSK	3.66	0.002	±2.5	PASS
Band41	20	NV	10	41490	100	#0	QPSK	-2.46	-0.001	±2.5	PASS
Band41	20	NV	20	41490	100	#0	QPSK	-4.05	-0.002	±2.5	PASS
Band41	20	NV	30	41490	100	#0	QPSK	4.16	0.002	±2.5	PASS
Band41	20	NV	40	41490	100	#0	QPSK	3.63	0.001	±2.5	PASS
Band41	20	NV	50	41490	100	#0	QPSK	3.45	0.001	±2.5	PASS
Band41	20	NV	-30	39750	100	#0	16QAM	0.54	0.000	±2.5	PASS
Band41	20	NV	-20	39750	100	#0	16QAM	9.46	0.004	±2.5	PASS
Band41	20	NV	0	39750	100	#0	16QAM	5.50	0.002	±2.5	PASS
Band41	20	NV	10	39750	100	#0	16QAM	-5.51	-0.007	±2.5	PASS
Band41	20	NV	20	39750	100	#0	16QAM	0.40	0.000	±2.5	PASS
Band41	20	NV	30	39750	100	#0	16QAM	-8.16	-0.010	±2.5	PASS
Band41	20	NV	40	39750	100	#0	16QAM	-1.35	-0.002	±2.5	PASS
Band41	20	NV	50	39750	100	#0	16QAM	-1.13	-0.001	±2.5	PASS
Band41	20	NV	-30	40620	100	#0	16QAM	-3.20	-0.004	±2.5	PASS
Band41	20	NV	-20	40620	100	#0	16QAM	4.42	0.002	±2.5	PASS
Band41	20	NV	0	40620	100	#0	16QAM	-4.57	-0.002	±2.5	PASS
Band41	20	NV	10	40620	100	#0	16QAM	-6.57	-0.003	±2.5	PASS
Band41	20	NV	20	40620	100	#0	16QAM	-6.39	-0.003	±2.5	PASS
Band41	20	NV	30	40620	100	#0	16QAM	3.51	0.001	±2.5	PASS
Band41	20	NV	40	40620	100	#0	16QAM	4.17	0.002	±2.5	PASS
Band41	20	NV	50	40620	100	#0	16QAM	3.82	0.005	±2.5	PASS
Band41	20	NV	-30	41490	100	#0	16QAM	1.73	0.002	±2.5	PASS
Band41	20	NV	-20	41490	100	#0	16QAM	-0.50	-0.001	±2.5	PASS
Band41	20	NV	0	41490	100	#0	16QAM	-2.82	-0.004	±2.5	PASS
Band41	20	NV	10	41490	100	#0	16QAM	0.54	0.000	±2.5	PASS
Band41	20	NV	20	41490	100	#0	16QAM	2.59	0.004	±2.5	PASS
Band41	20	NV	30	41490	100	#0	16QAM	3.82	0.005	±2.5	PASS
Band41	20	NV	40	41490	100	#0	16QAM	1.73	0.002	±2.5	PASS
Band41	20	NV	50	41490	100	#0	16QAM	3.45	0.001	±2.5	PASS

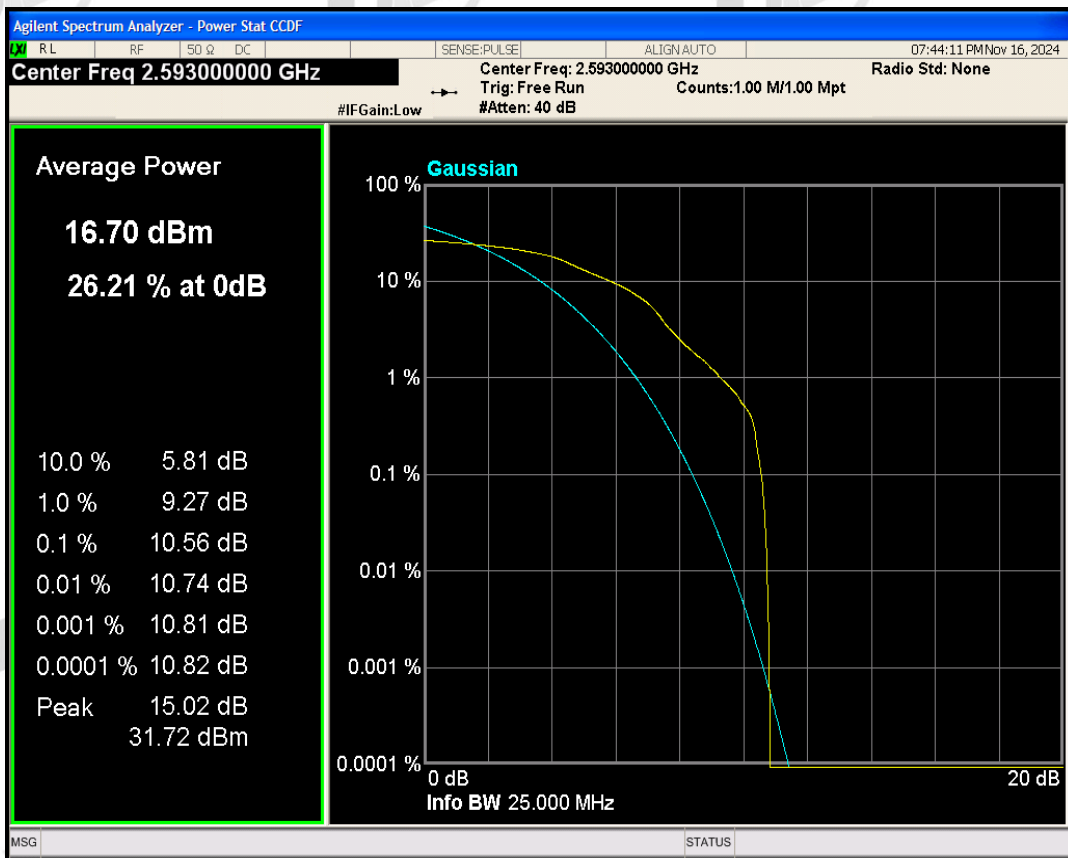
3 Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	40620	1	#0	QPSK	8.91	13	PASS
Band41	5	40620	1	#0	QAM16	10.56	13	PASS
Band41	10	40620	1	#0	QPSK	7.09	13	PASS
Band41	10	40620	1	#0	QAM16	9.60	13	PASS
Band41	15	40620	1	#0	QPSK	8.87	13	PASS
Band41	15	40620	1	#0	QAM16	8.93	13	PASS
Band41	20	40620	1	#0	QPSK	7.84	13	PASS
Band41	20	40620	1	#0	QAM16	10.52	13	PASS

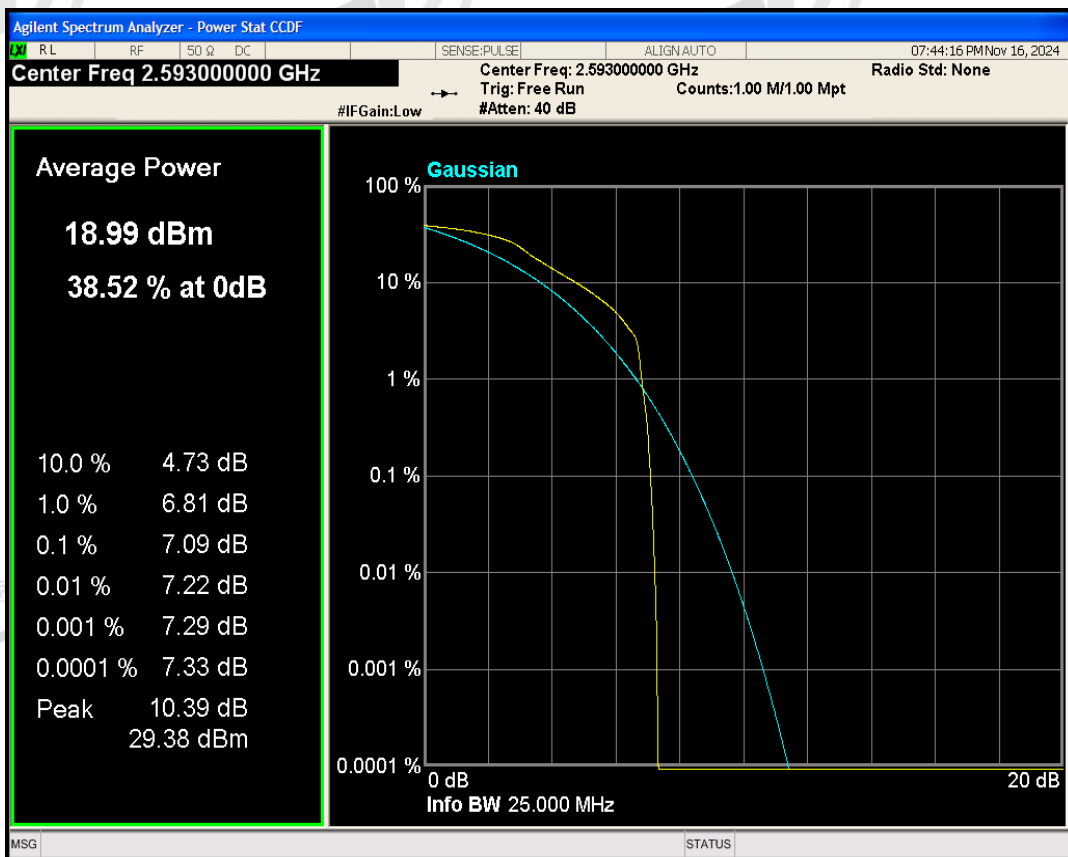
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0



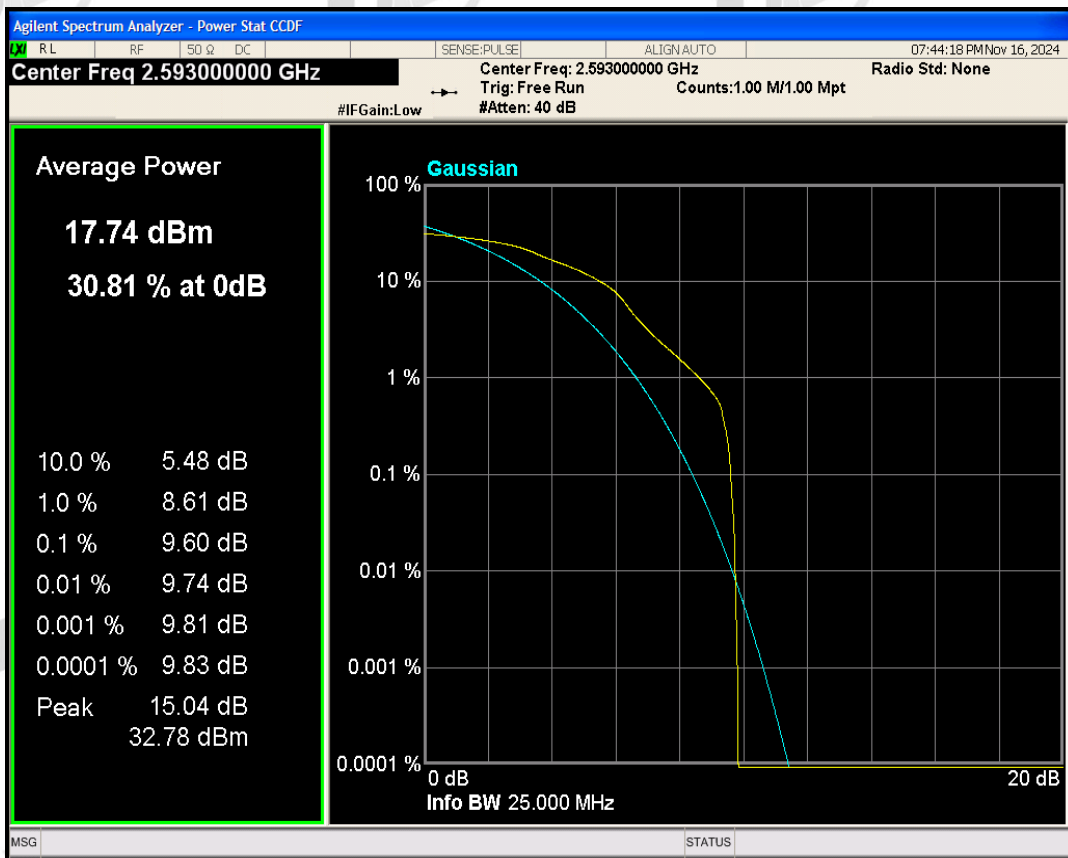
Band41 QAM16 BW=5MHz Channel=40620 RB Size=1 Position=#0



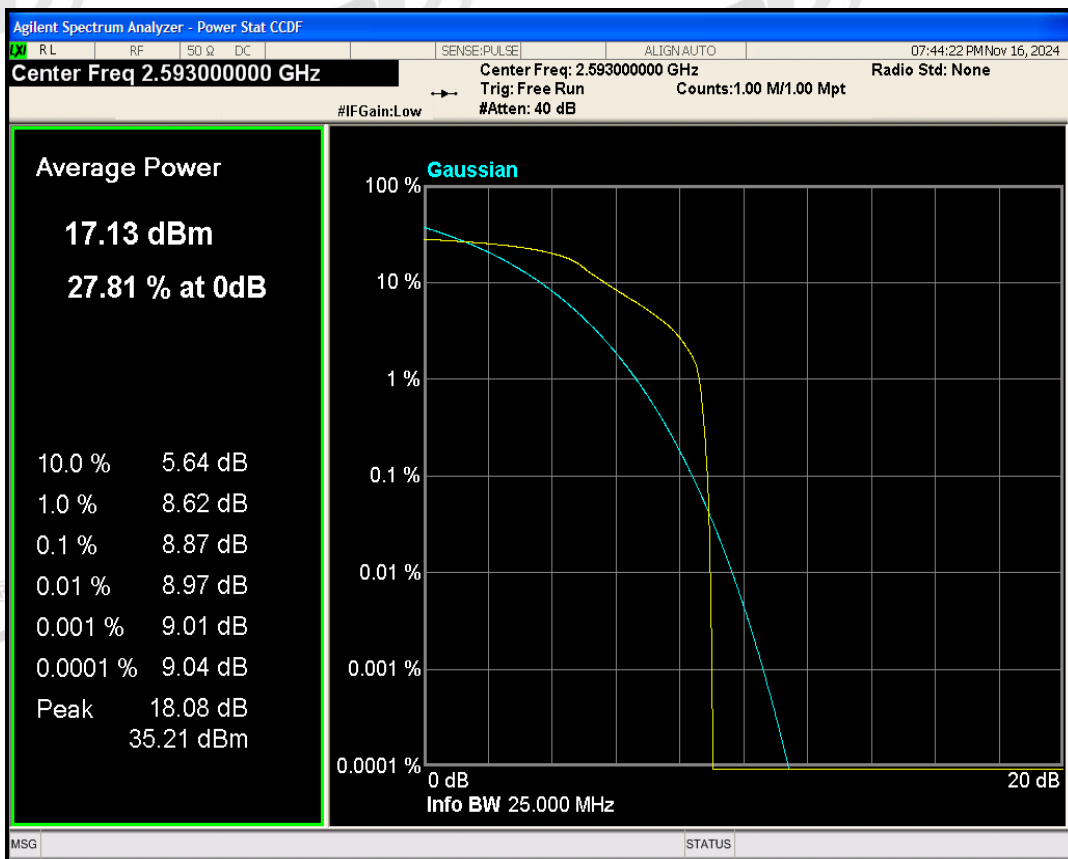
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0



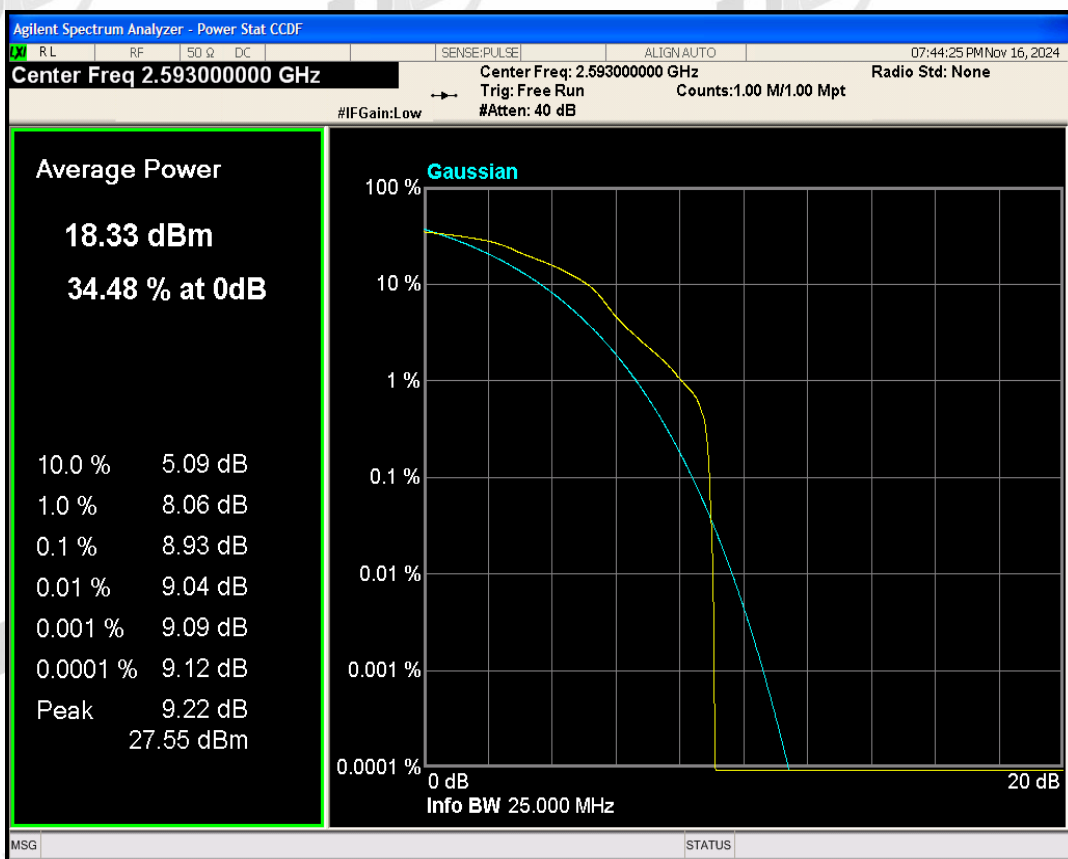
Band41 QAM16 BW=10MHz Channel=40620 RB Size=1 Position=#0



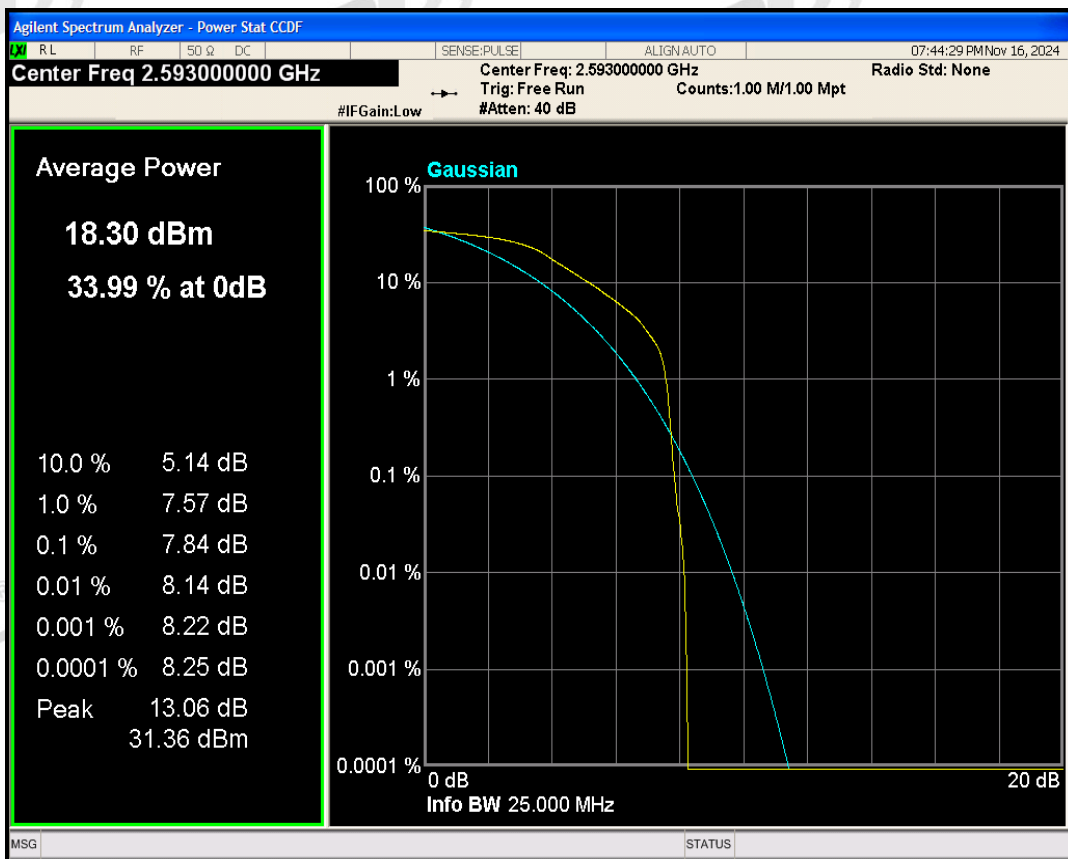
Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0



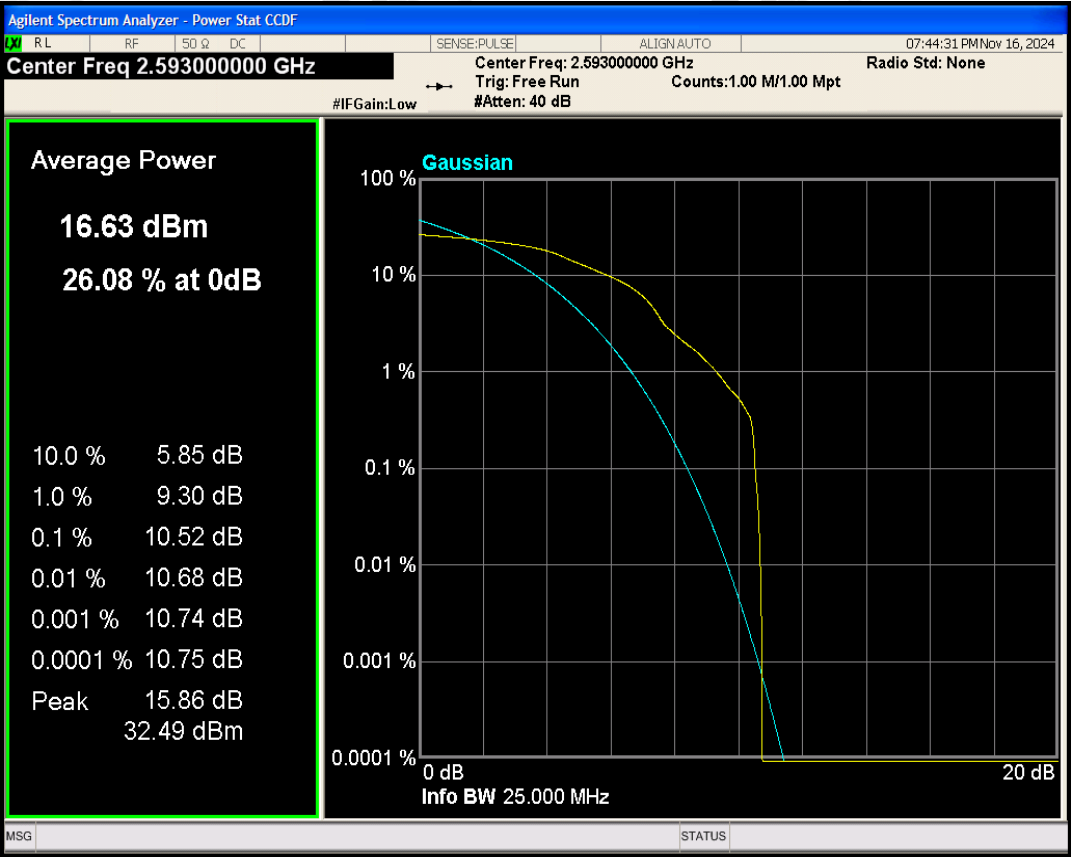
Band41 QAM16 BW=15MHz Channel=40620 RB Size=1 Position=#0



Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0



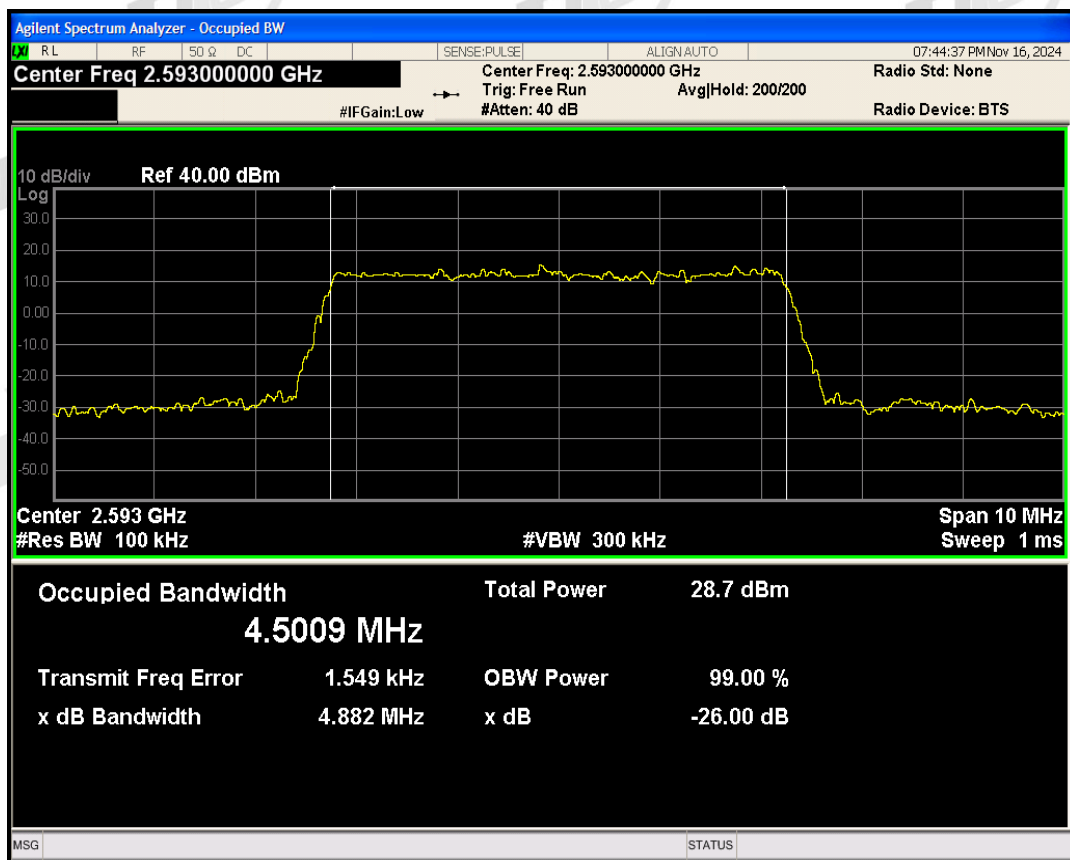
Band41 QAM16 BW=20MHz Channel=40620 RB Size=1 Position=#0



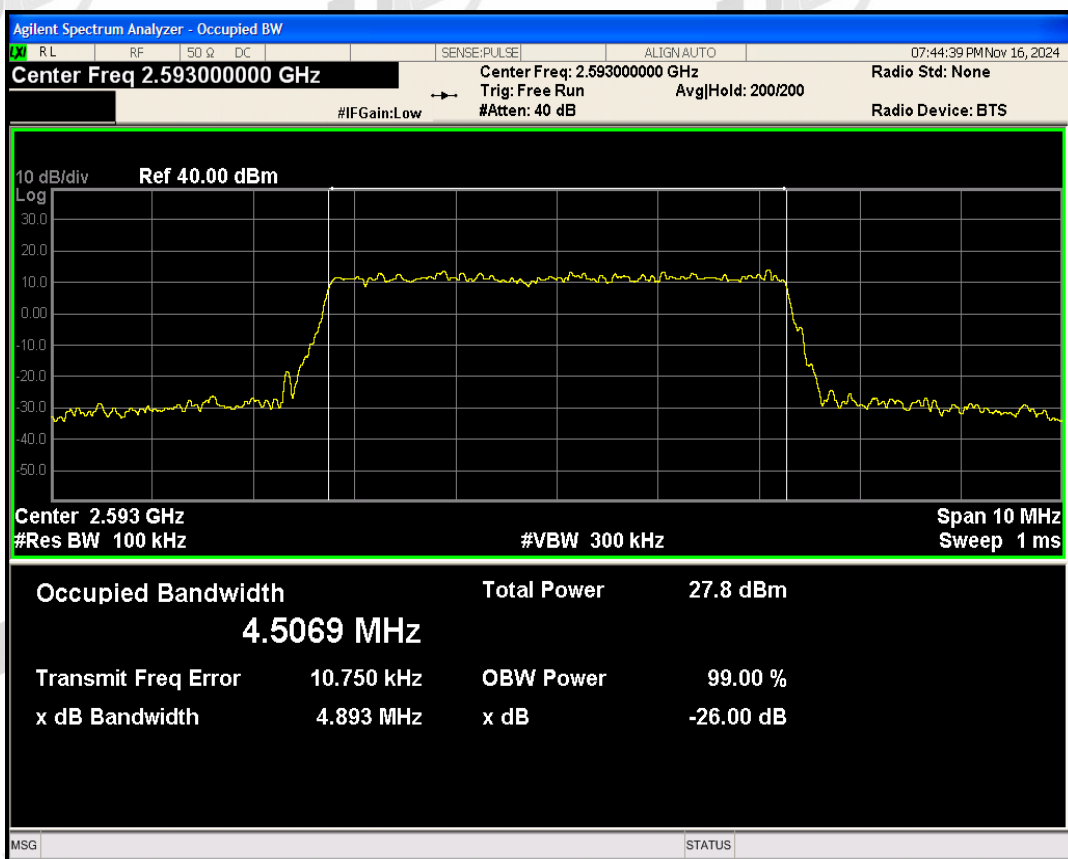
4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	40620	25	#0	QPSK	4.501	4.882	PASS
Band41	5	40620	25	#0	QAM16	4.507	4.893	PASS
Band41	10	40620	50	#0	QPSK	8.991	9.590	PASS
Band41	10	40620	50	#0	QAM16	9.031	9.728	PASS
Band41	15	40620	75	#0	QPSK	13.441	14.508	PASS
Band41	15	40620	75	#0	QAM16	13.452	14.584	PASS
Band41	20	40620	100	#0	QPSK	17.874	19.278	PASS
Band41	20	40620	100	#0	QAM16	17.887	19.330	PASS

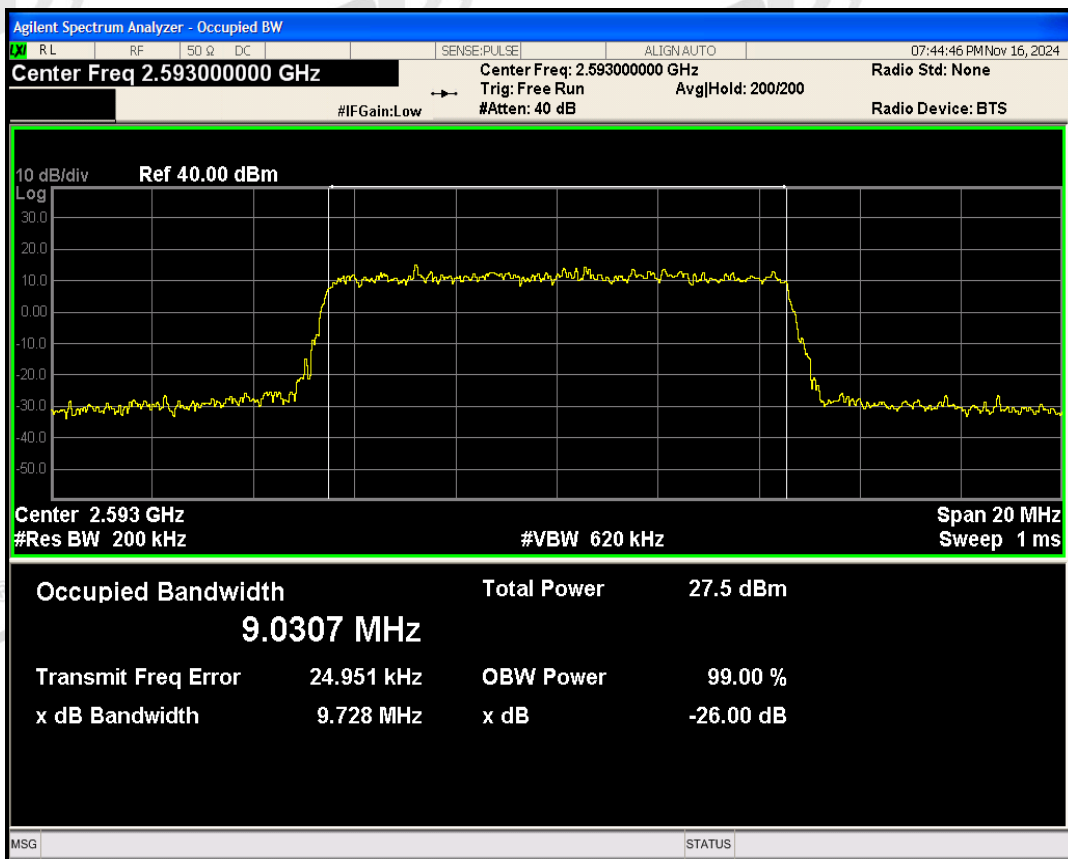
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



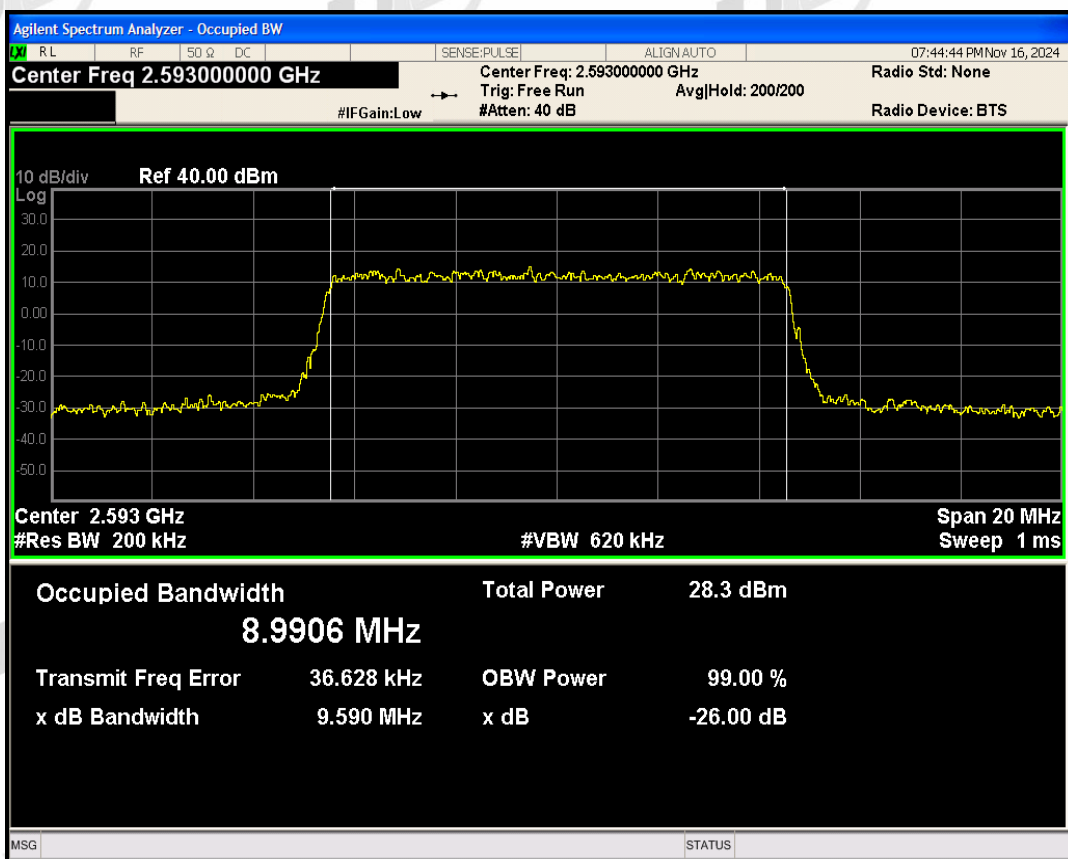
Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0



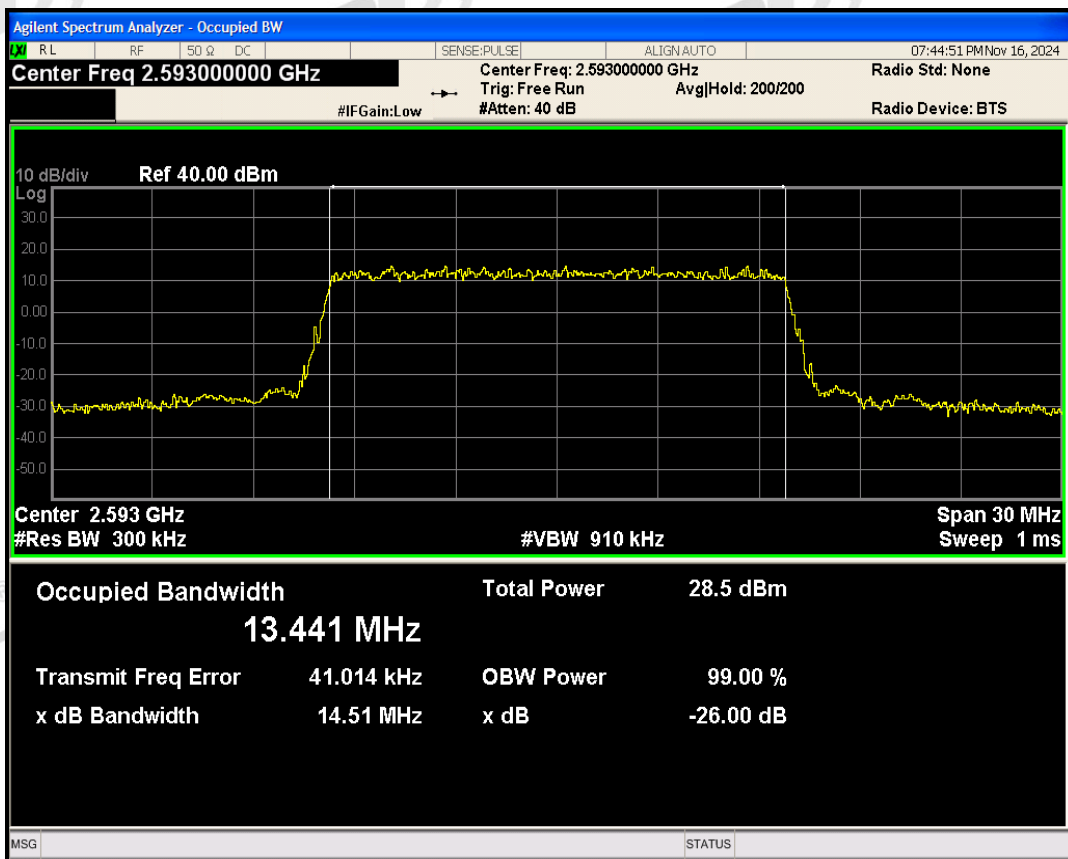
Band41 QAM16 BW=10MHz Channel=40620 RB Size=50 Position=#0



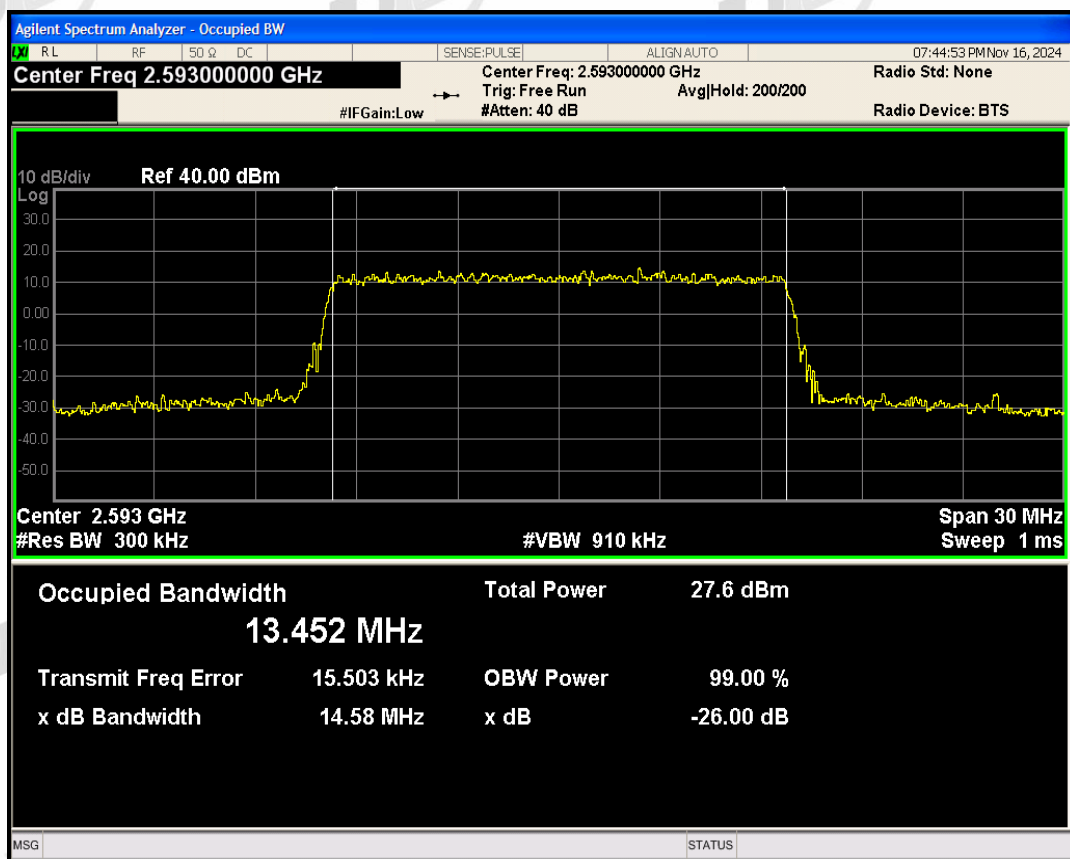
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



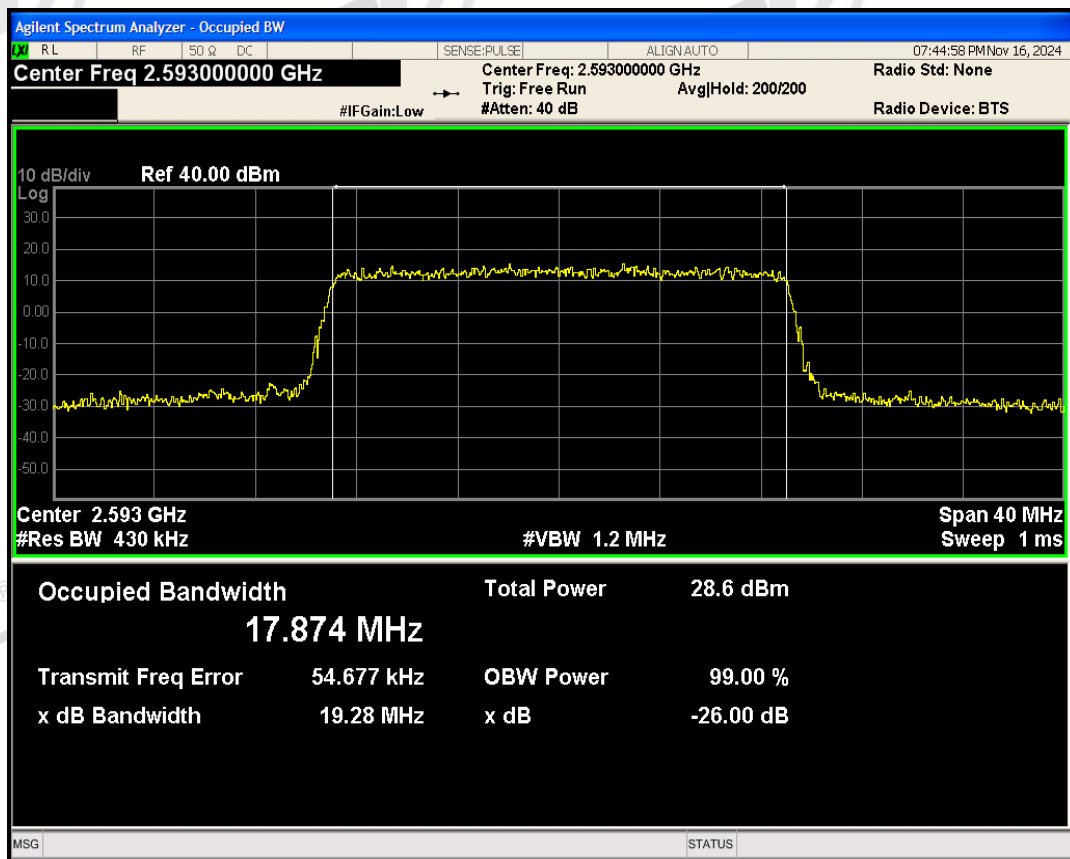
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



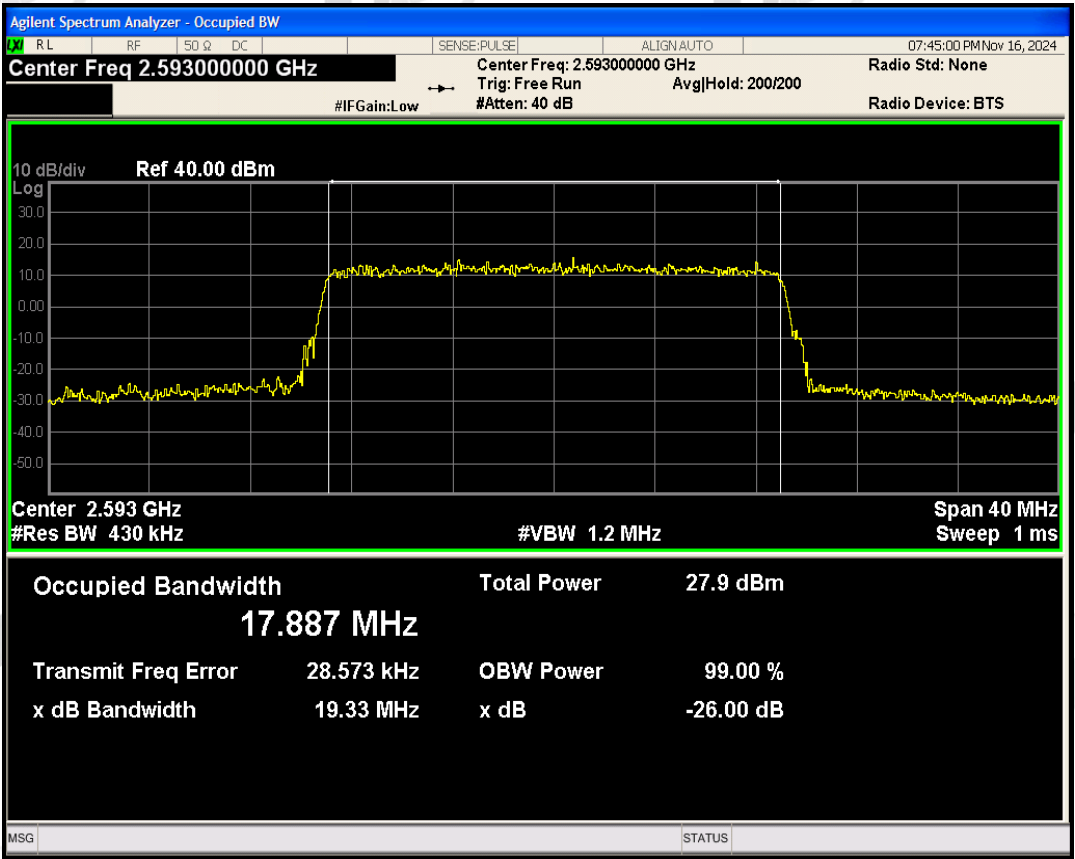
Band41 QAM16 BW=15MHz Channel=40620 RB Size=75 Position=#0



Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



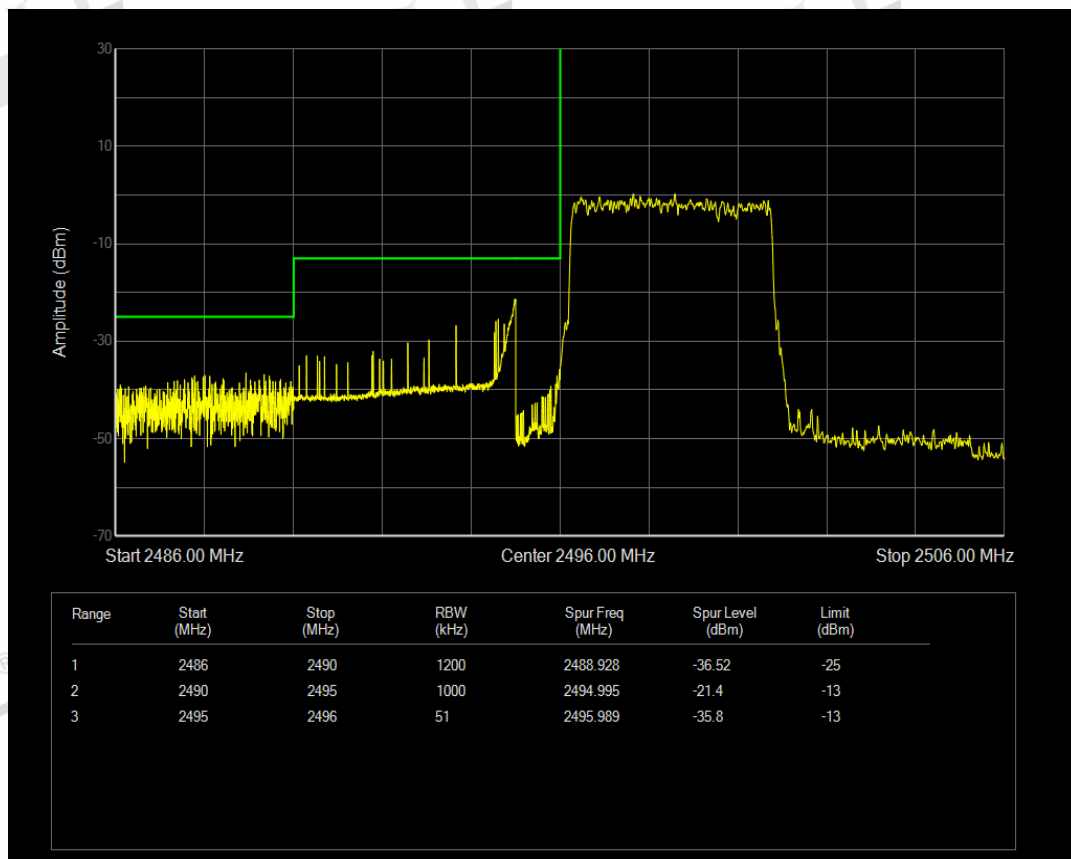
Band41 QAM16 BW=20MHz Channel=40620 RB Size=100 Position=#0



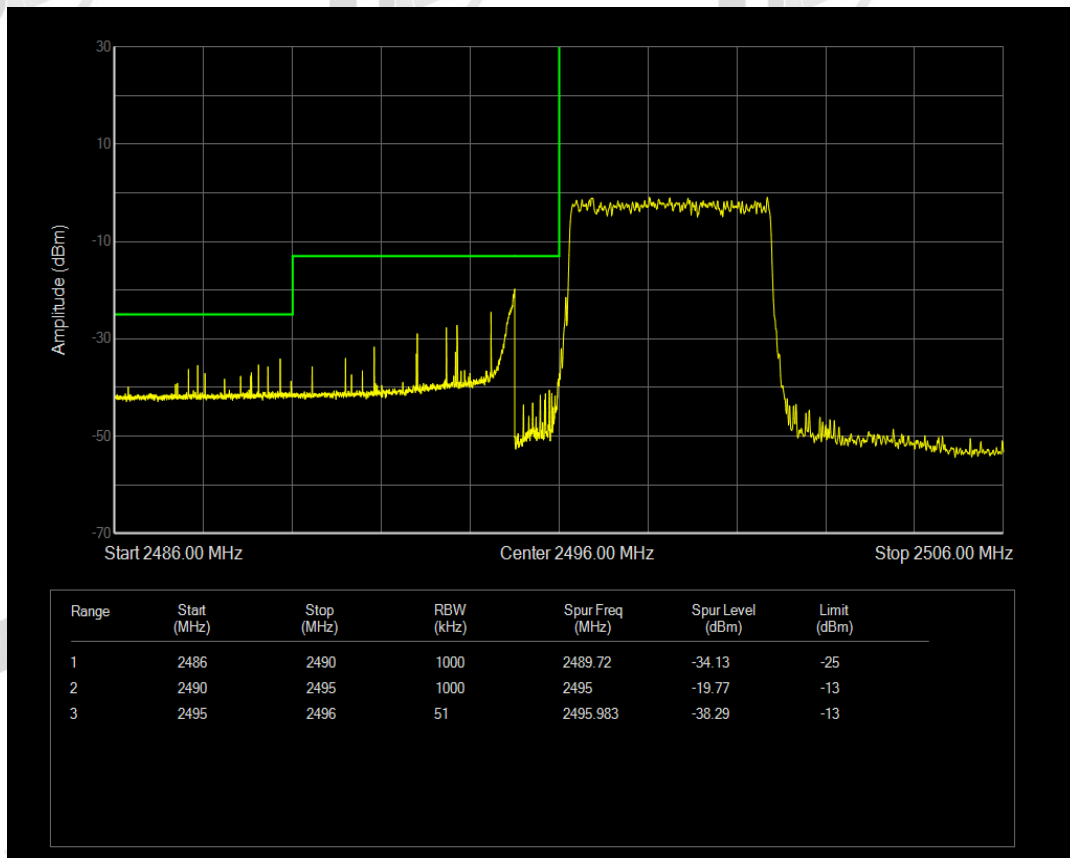
5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	2495.00	-21.40	-13	PASS
Band41	5	39675	25	#0	QAM16	2495.00	-19.77	-13	PASS
Band41	5	41565	25	#0	QPSK	2696.80	-33.43	-25	PASS
Band41	5	41565	25	#0	QAM16	2696.81	-34.79	-25	PASS
Band41	10	39700	50	#0	QPSK	2484.59	-41.16	-25	PASS
Band41	10	39700	50	#0	QAM16	2483.78	-41.15	-25	PASS
Band41	10	41540	50	#0	QPSK	2700.58	-37.91	-25	PASS
Band41	10	41540	50	#0	QAM16	2700.94	-36.48	-25	PASS
Band41	15	39725	75	#0	QPSK	2478.17	-41.25	-25	PASS
Band41	15	39725	75	#0	QAM16	2478.35	-41.29	-25	PASS
Band41	15	41515	75	#0	QPSK	2708.74	-39.65	-25	PASS
Band41	15	41515	75	#0	QAM16	2705.59	-38.97	-25	PASS
Band41	20	39750	100	#0	QPSK	2474.61	-41.19	-25	PASS
Band41	20	39750	100	#0	QAM16	2472.40	-41.34	-25	PASS
Band41	20	41490	100	#0	QPSK	2714.98	-40.15	-25	PASS
Band41	20	41490	100	#0	QAM16	2710.56	-39.54	-25	PASS

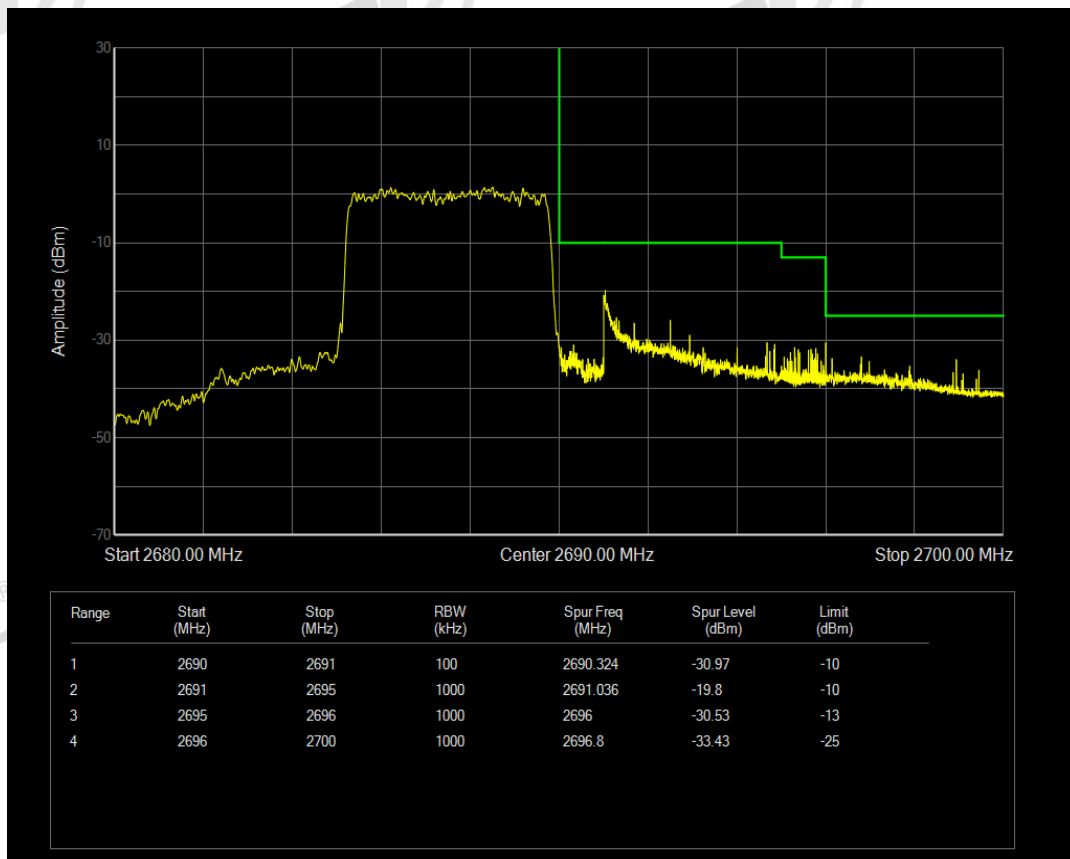
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



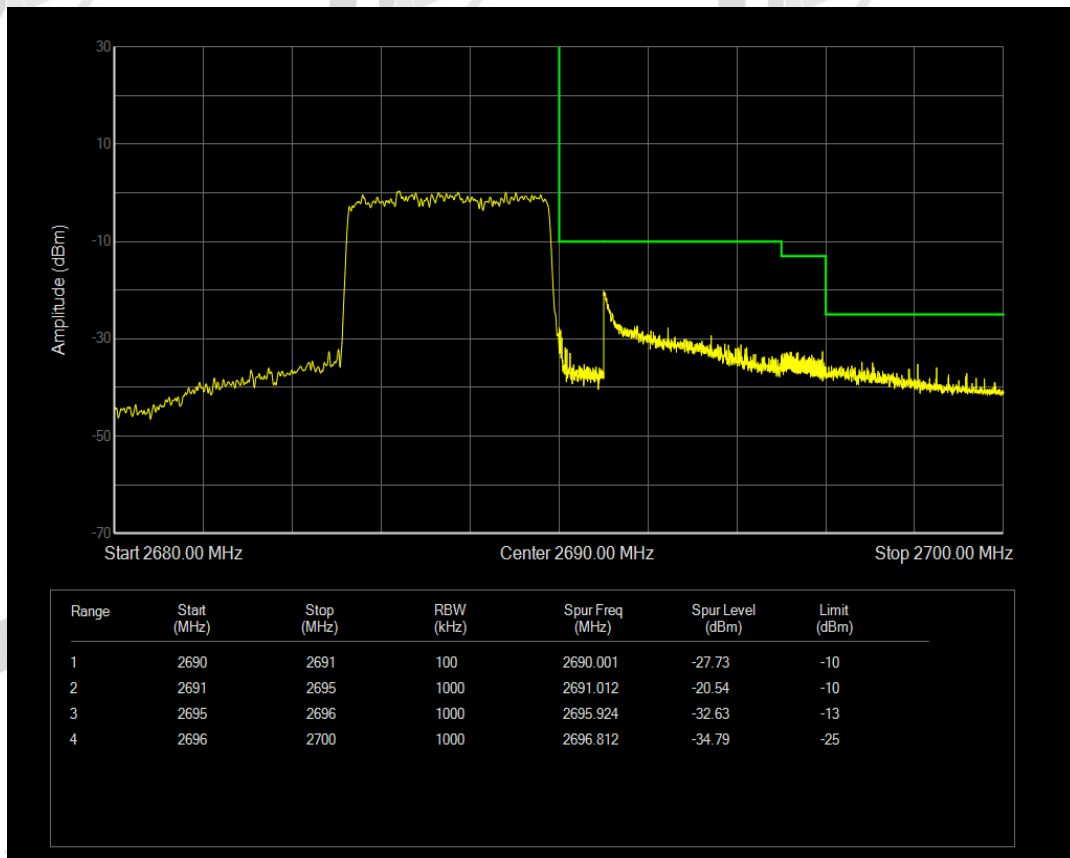
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



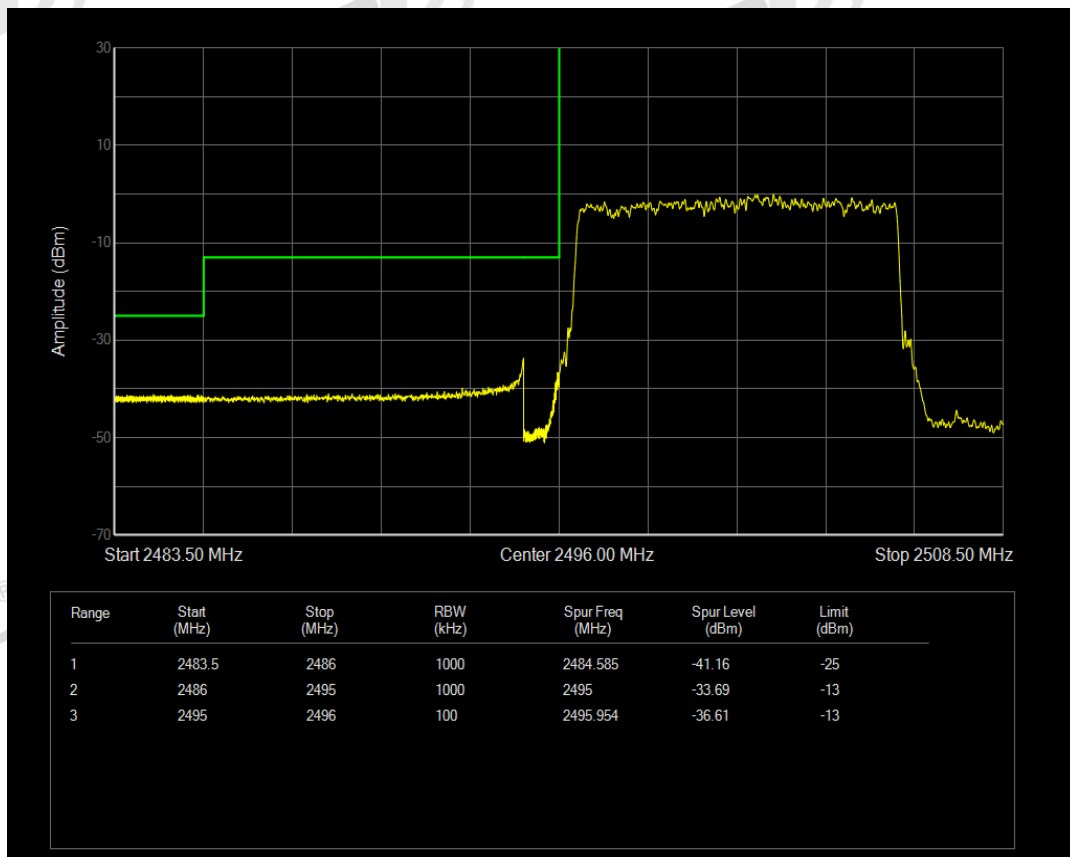
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



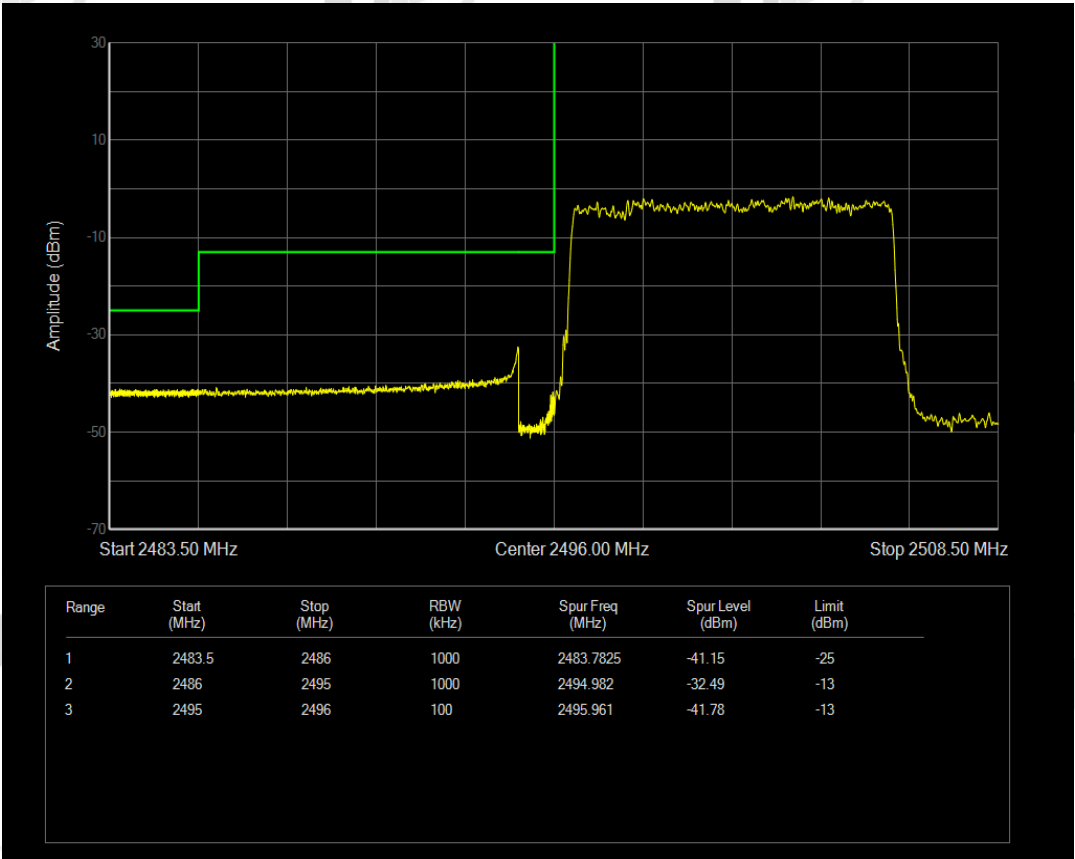
Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



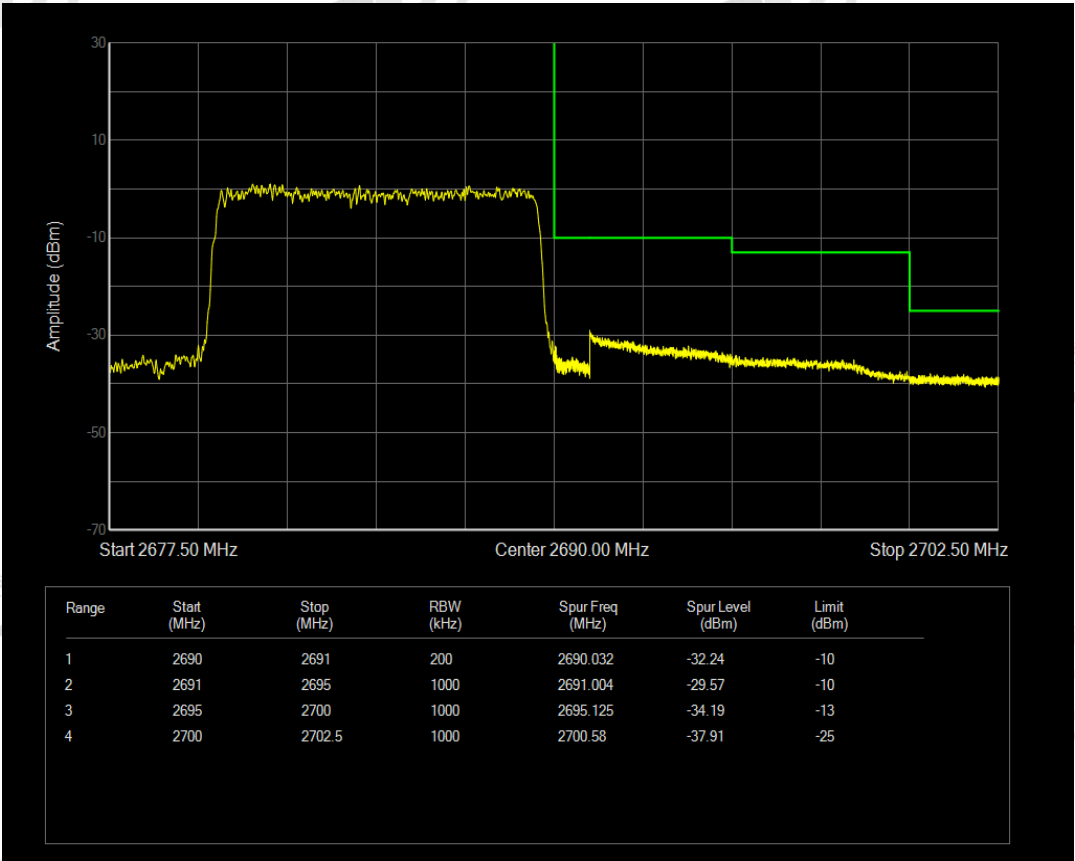
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



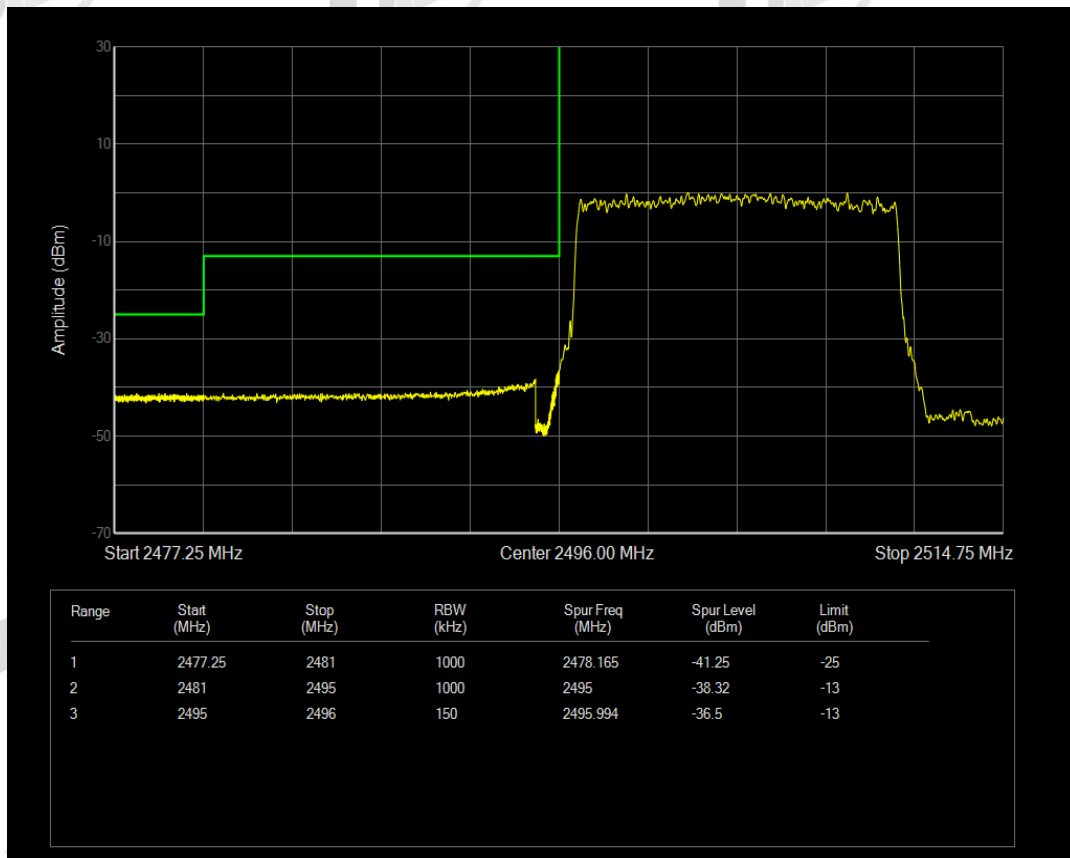
Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0



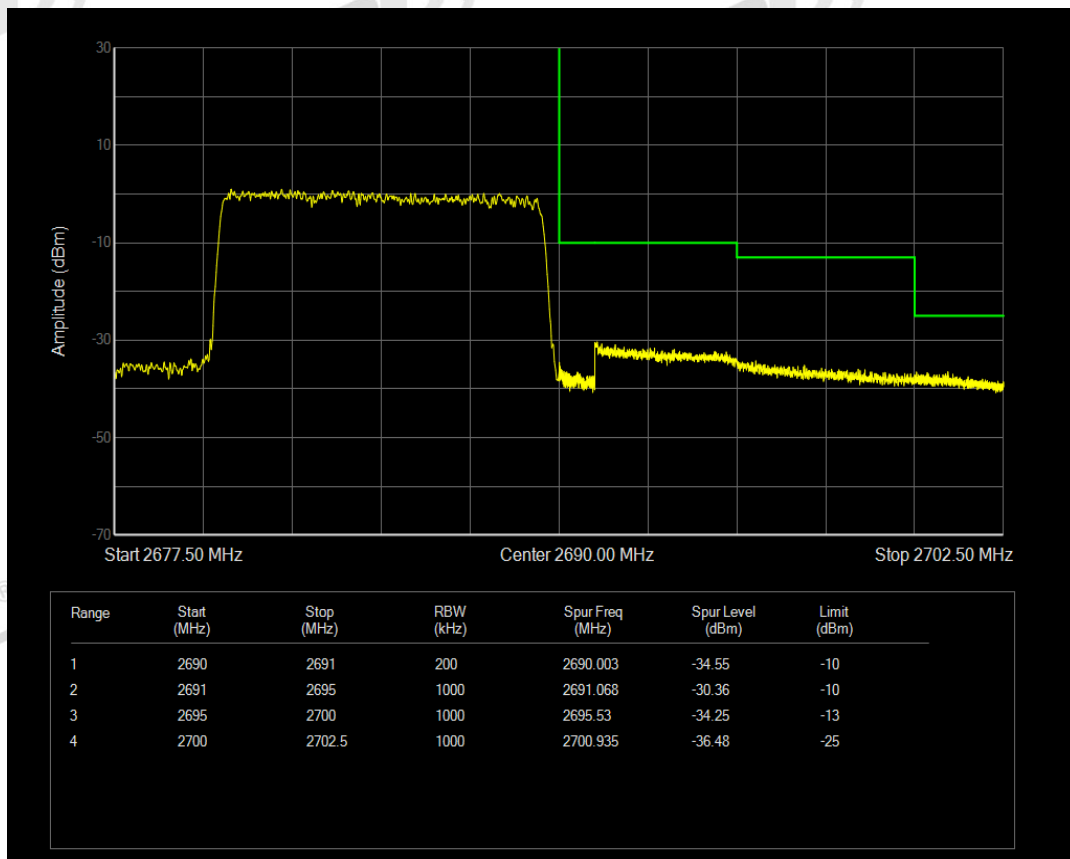
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



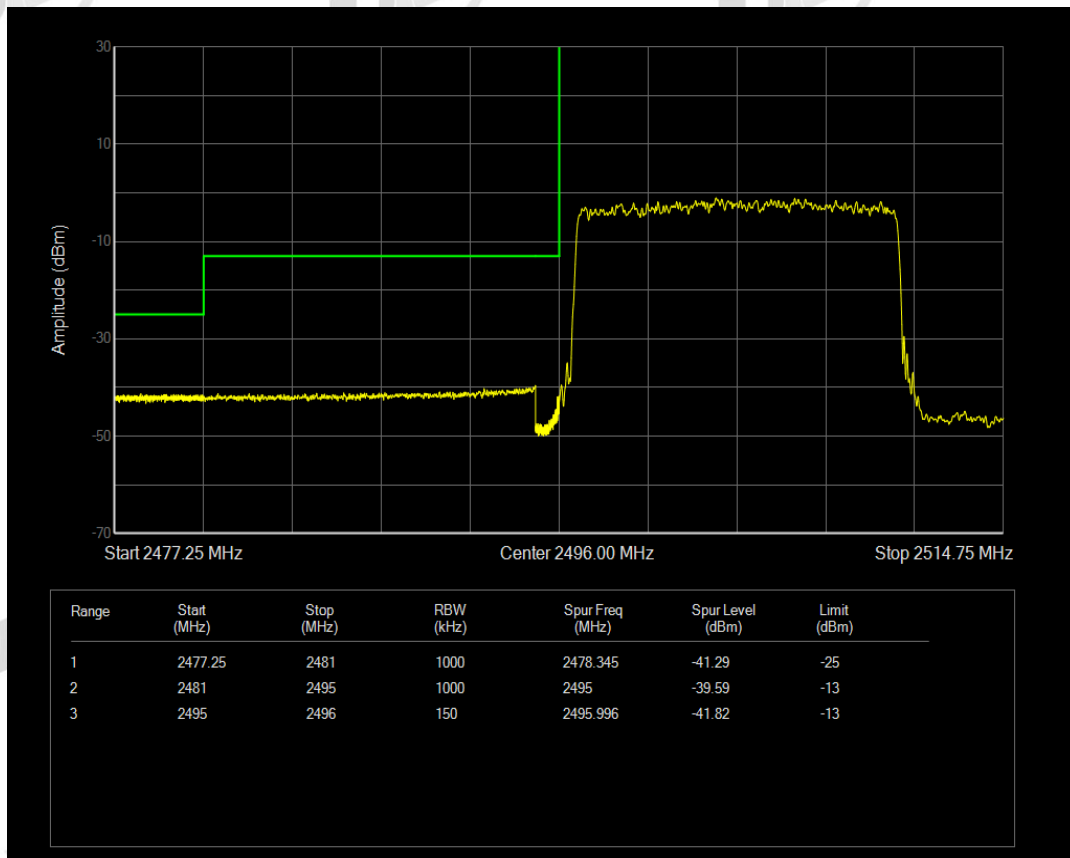
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



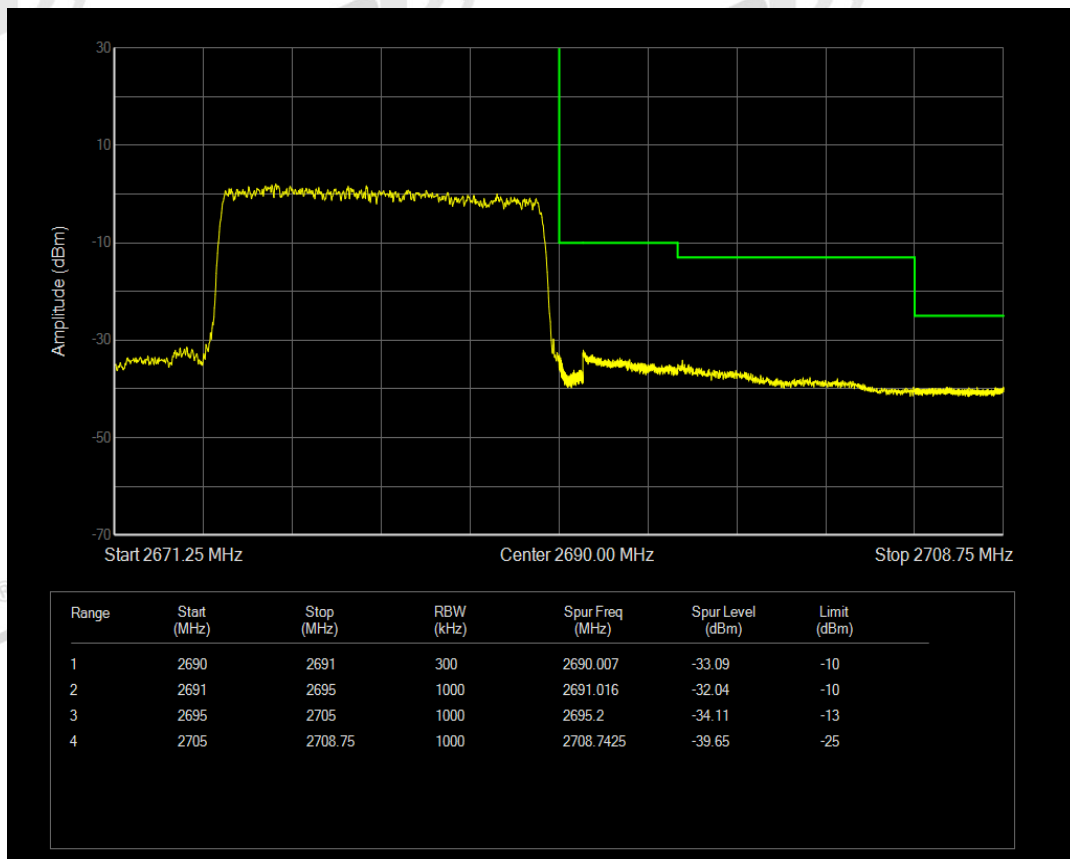
Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0



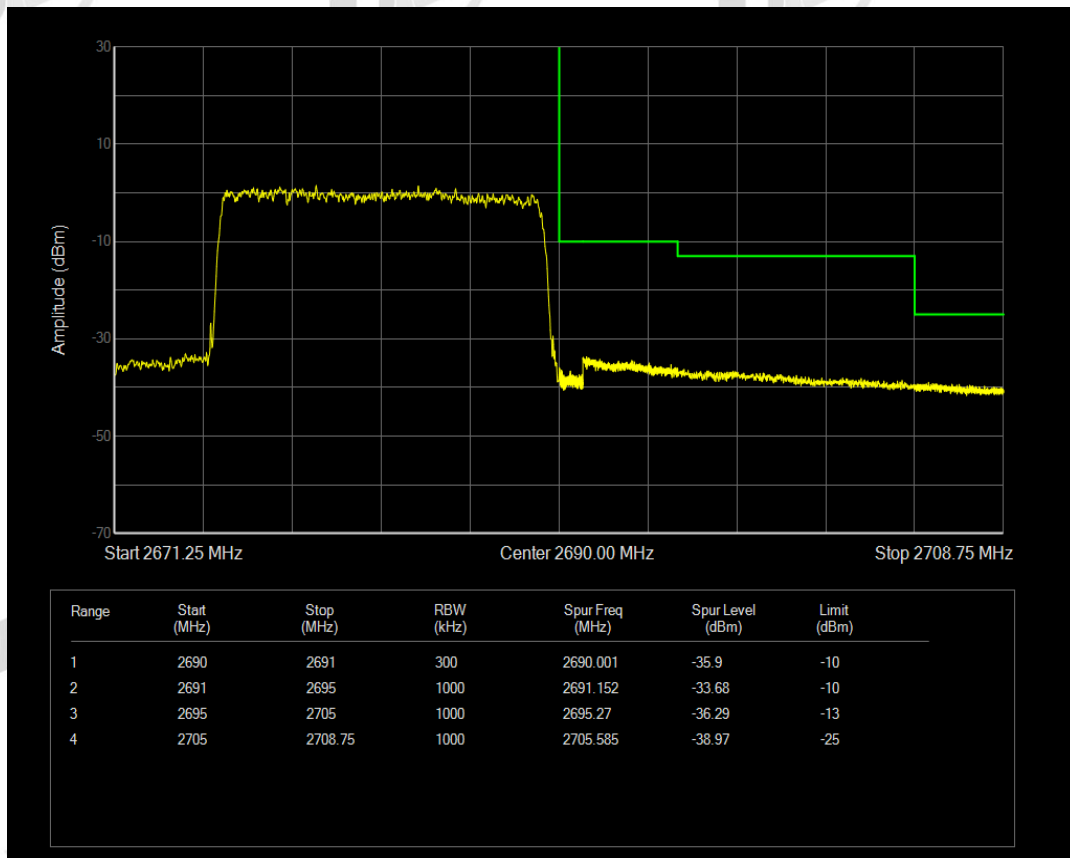
Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0



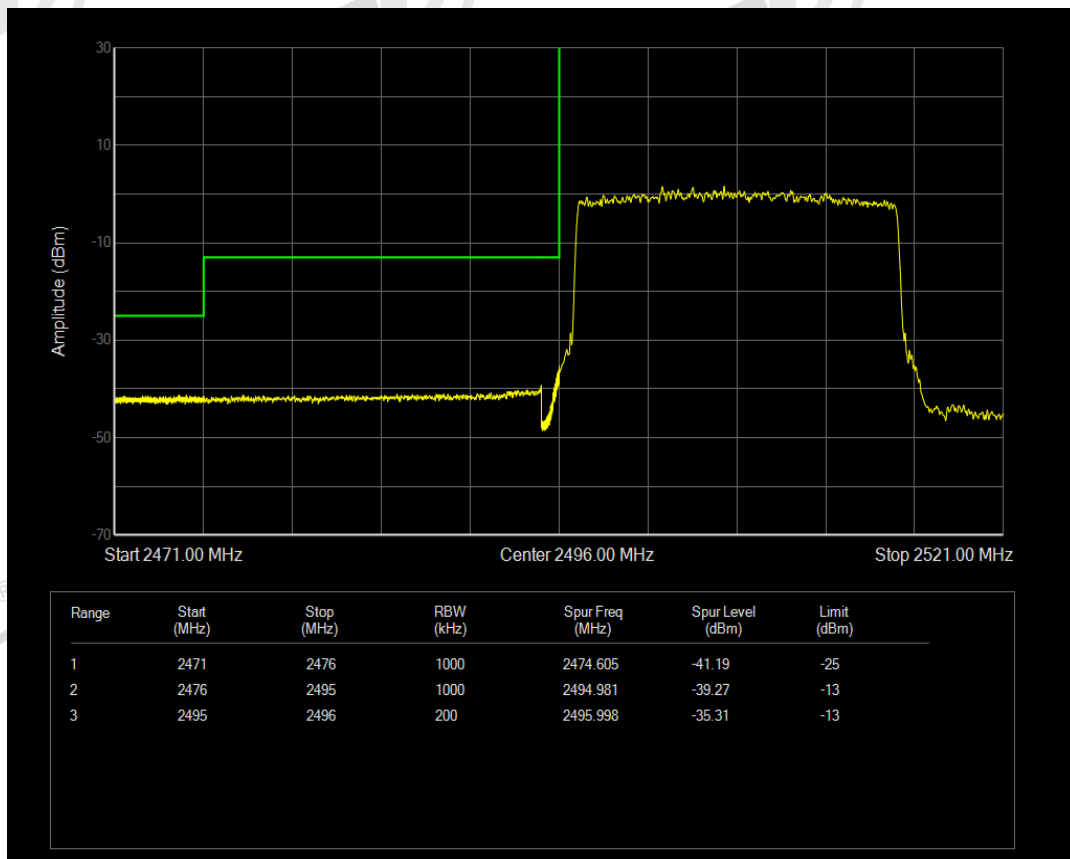
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



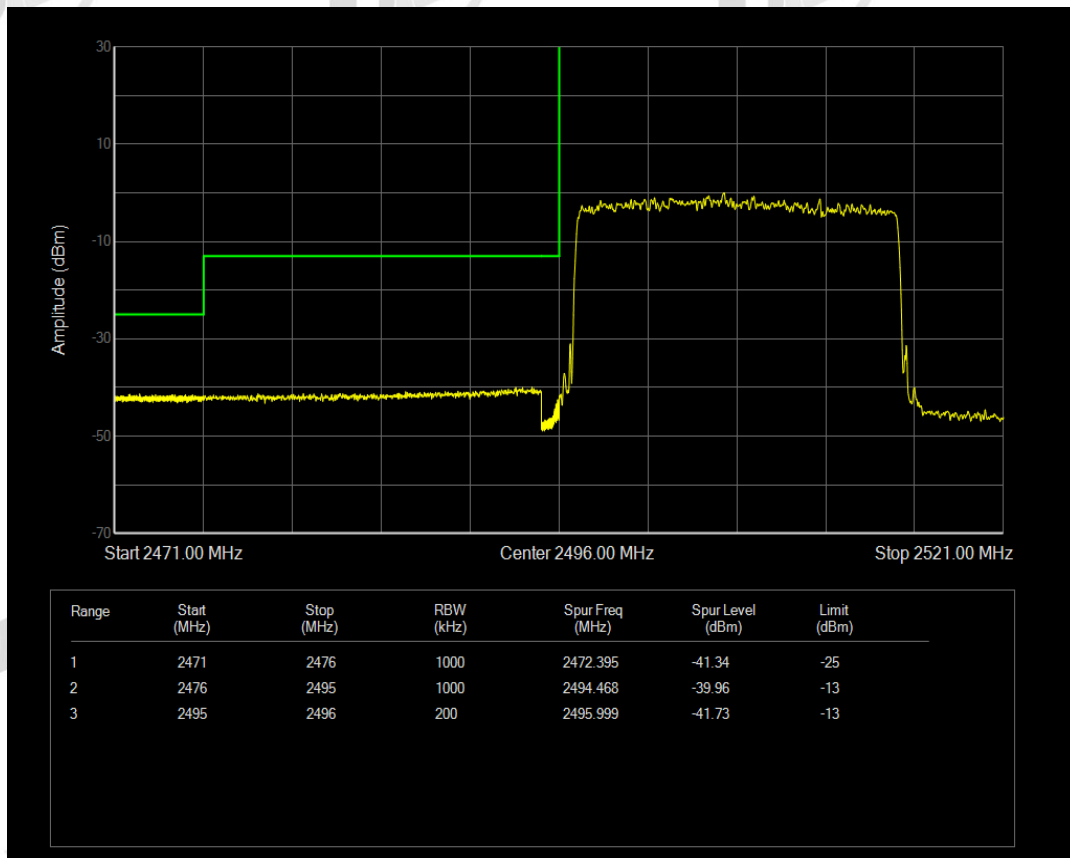
Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0



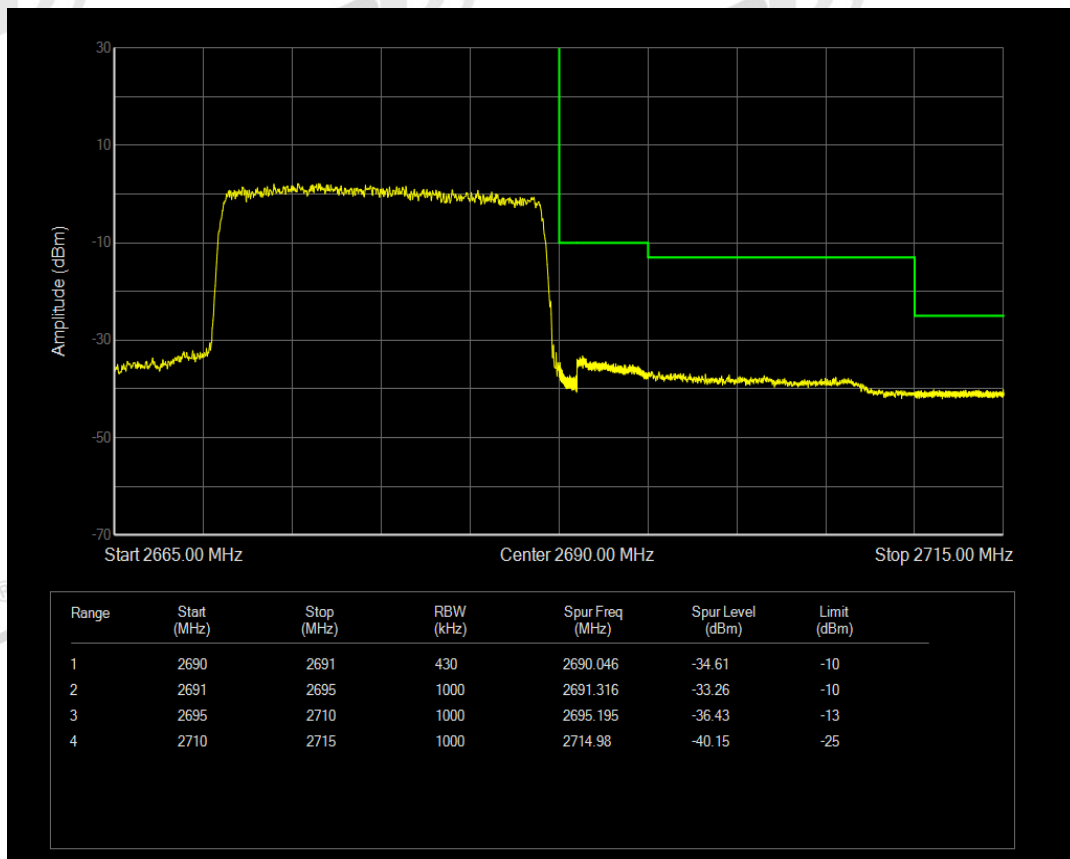
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



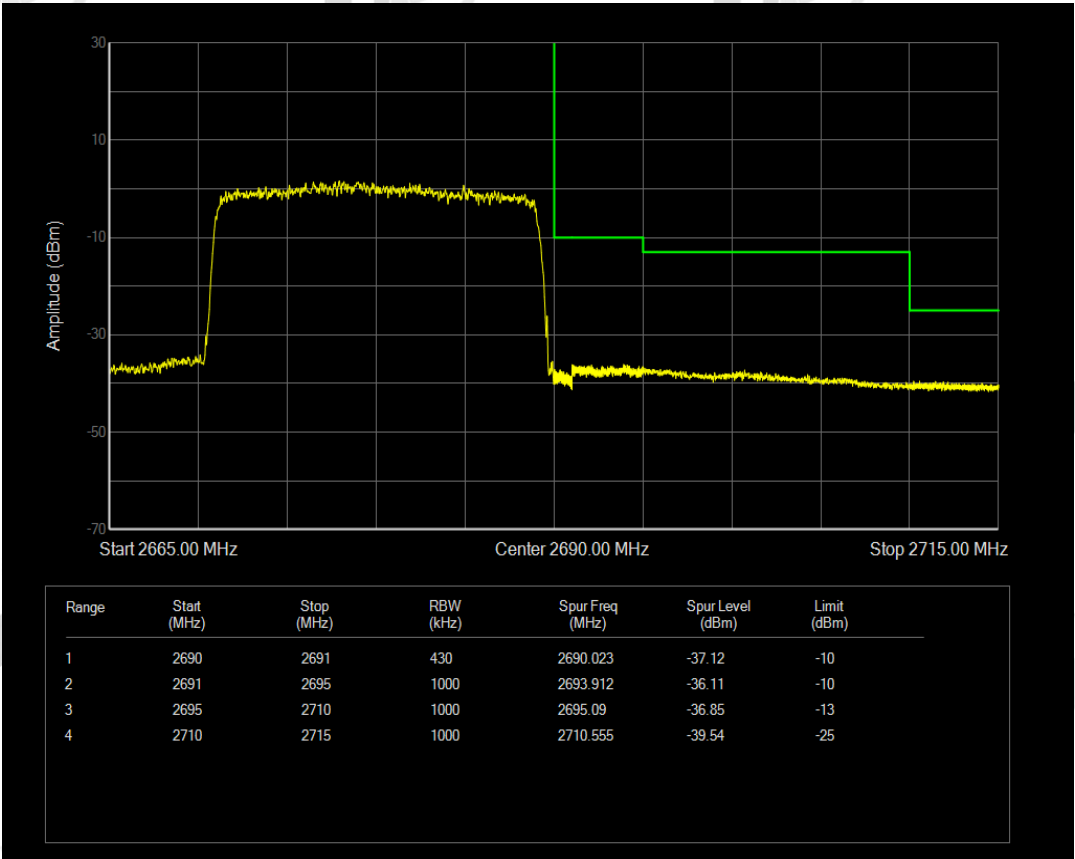
Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



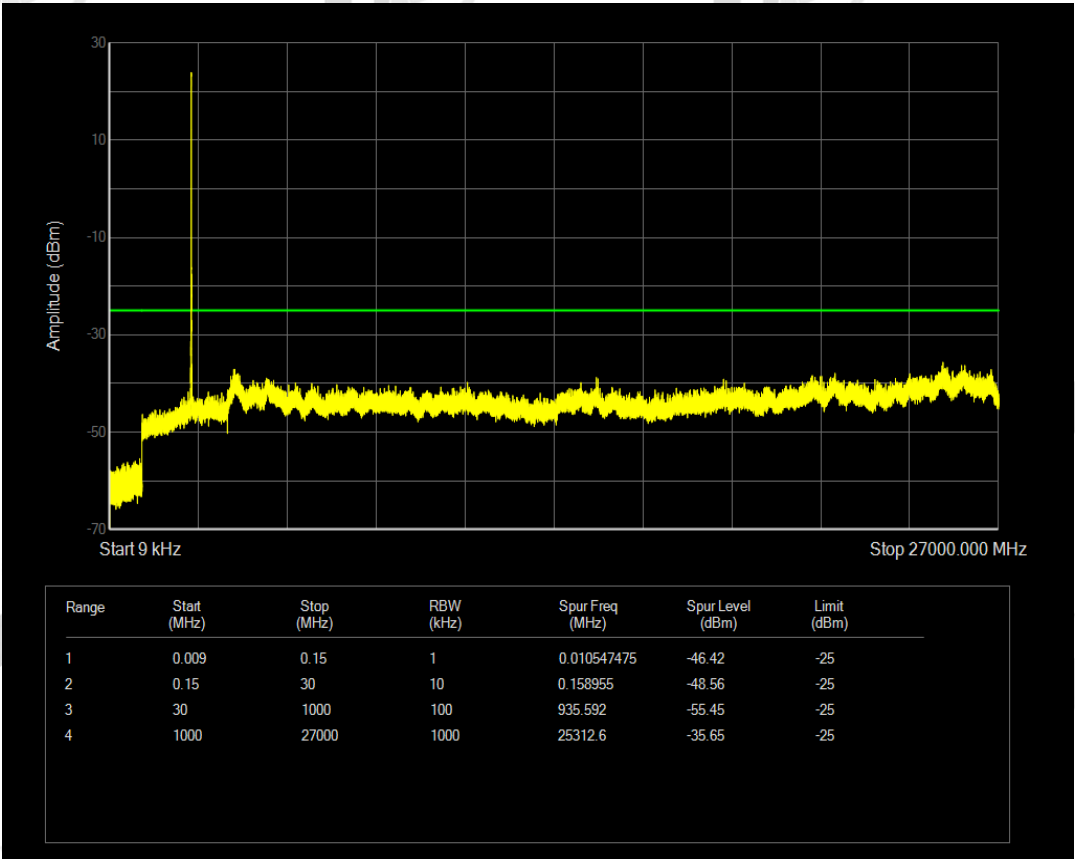
Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0



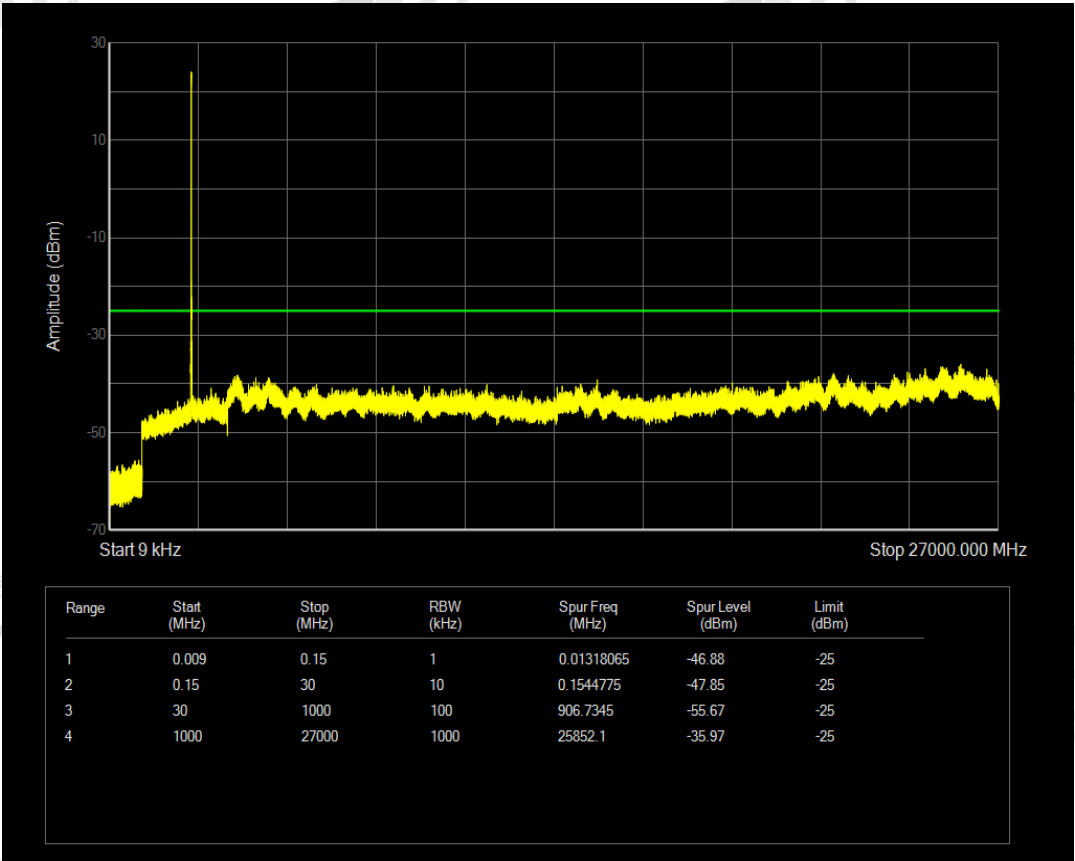
6 Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	25312.60	-35.65	-25	PASS
Band41	5	39675	25	#0	QAM16	25852.10	-35.97	-25	PASS
Band41	5	41565	25	#0	QPSK	25941.15	-36.15	-25	PASS
Band41	5	41565	25	#0	QAM16	25336.65	-36.10	-25	PASS
Band41	10	39700	50	#0	QPSK	25847.55	-36.56	-25	PASS
Band41	10	39700	50	#0	QAM16	26043.85	-36.13	-25	PASS
Band41	10	41540	50	#0	QPSK	25258.00	-35.89	-25	PASS
Band41	10	41540	50	#0	QAM16	25969.10	-35.89	-25	PASS
Band41	15	39725	75	#0	QPSK	25943.75	-35.55	-25	PASS
Band41	15	39725	75	#0	QAM16	25215.75	-36.22	-25	PASS
Band41	15	41515	75	#0	QPSK	25941.15	-34.66	-25	PASS
Band41	15	41515	75	#0	QAM16	25864.45	-35.24	-25	PASS
Band41	20	39750	100	#0	QPSK	25323.65	-36.36	-25	PASS
Band41	20	39750	100	#0	QAM16	25243.70	-36.35	-25	PASS
Band41	20	41490	100	#0	QPSK	25332.75	-35.86	-25	PASS
Band41	20	41490	100	#0	QAM16	25883.95	-35.22	-25	PASS

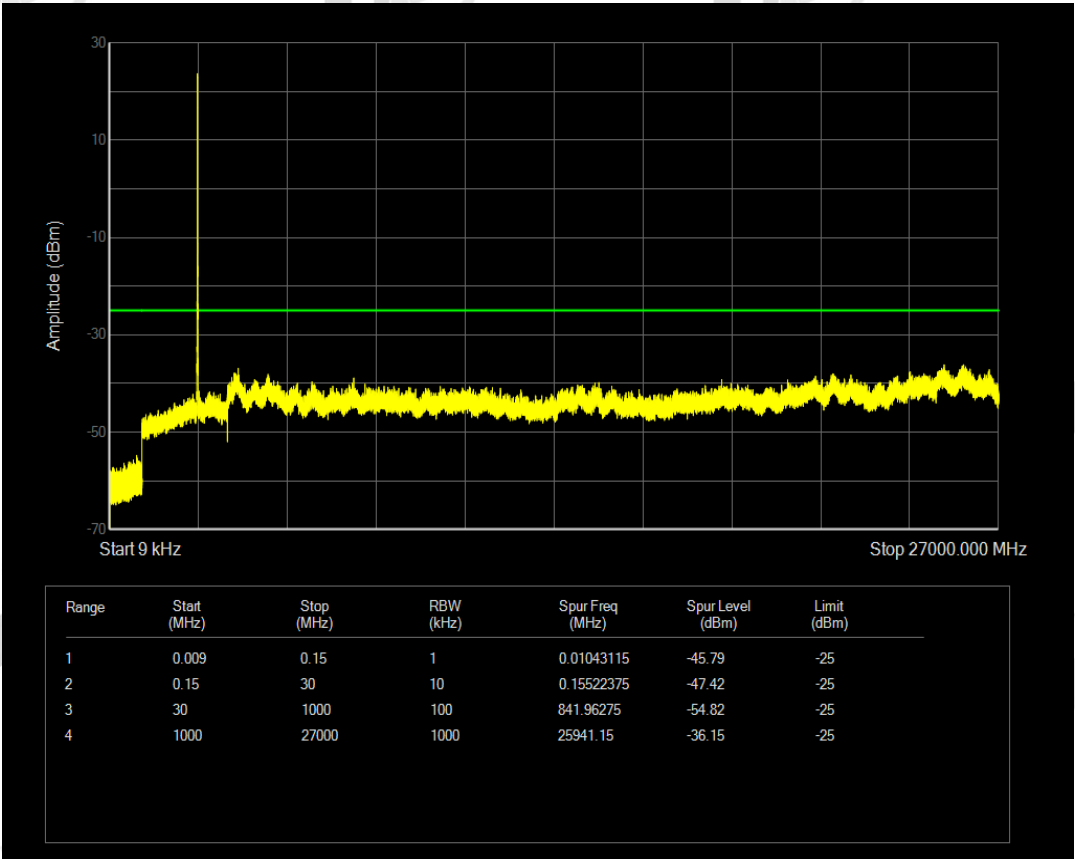
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



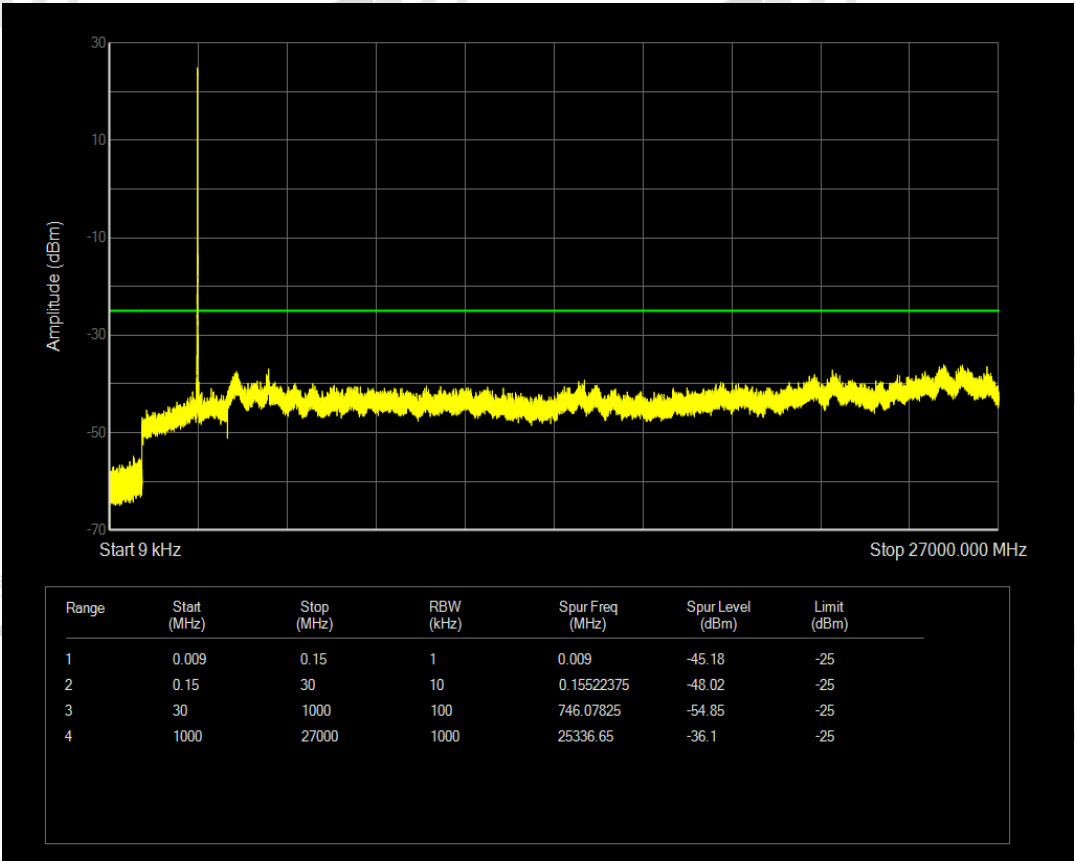
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



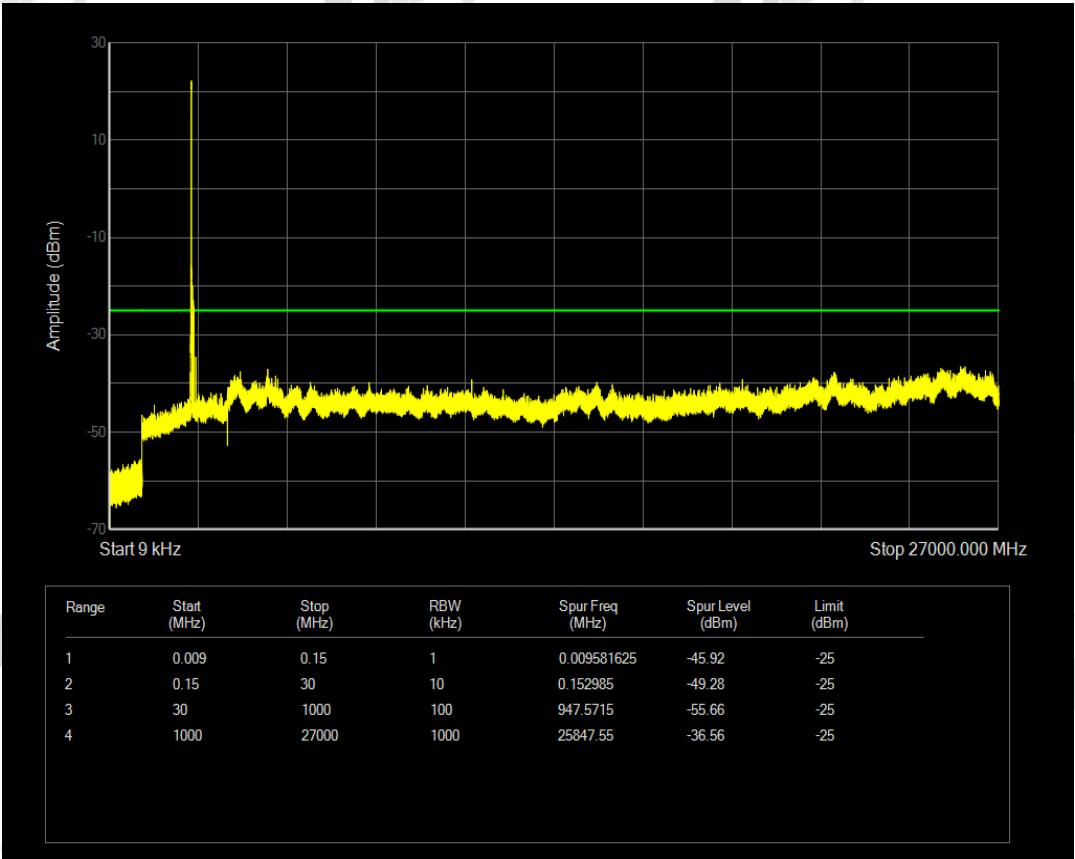
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



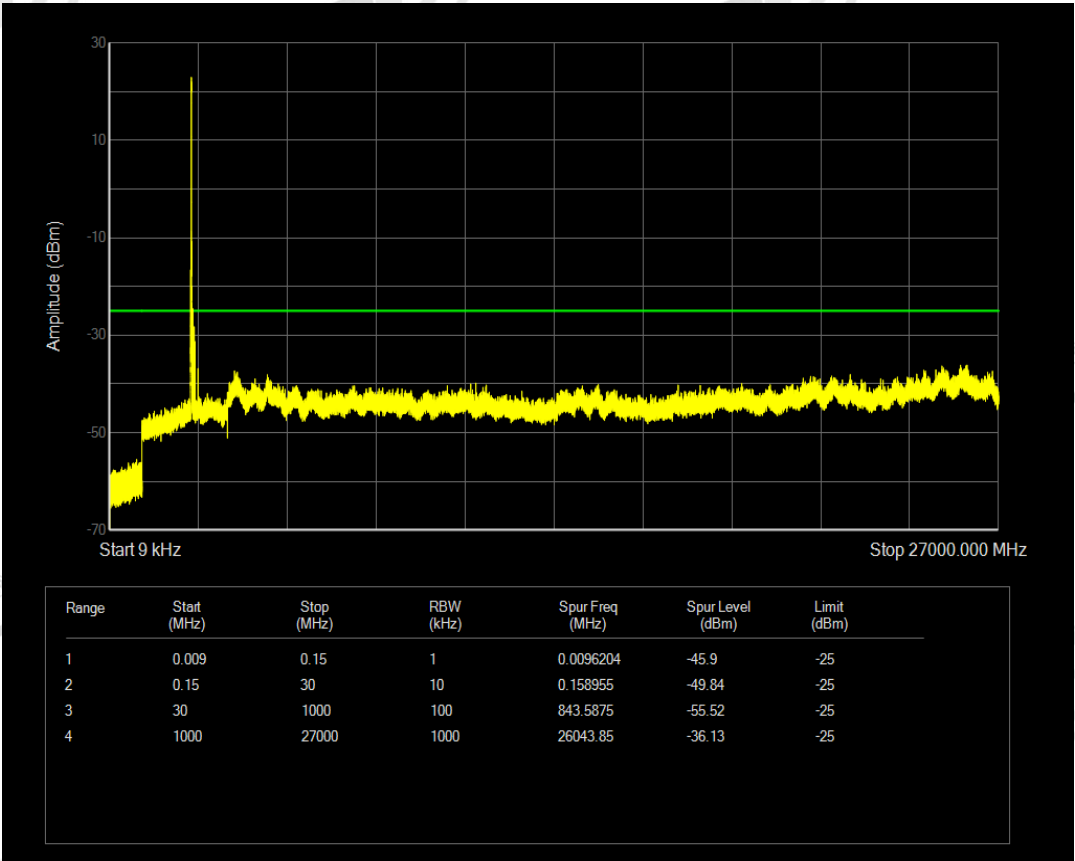
Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



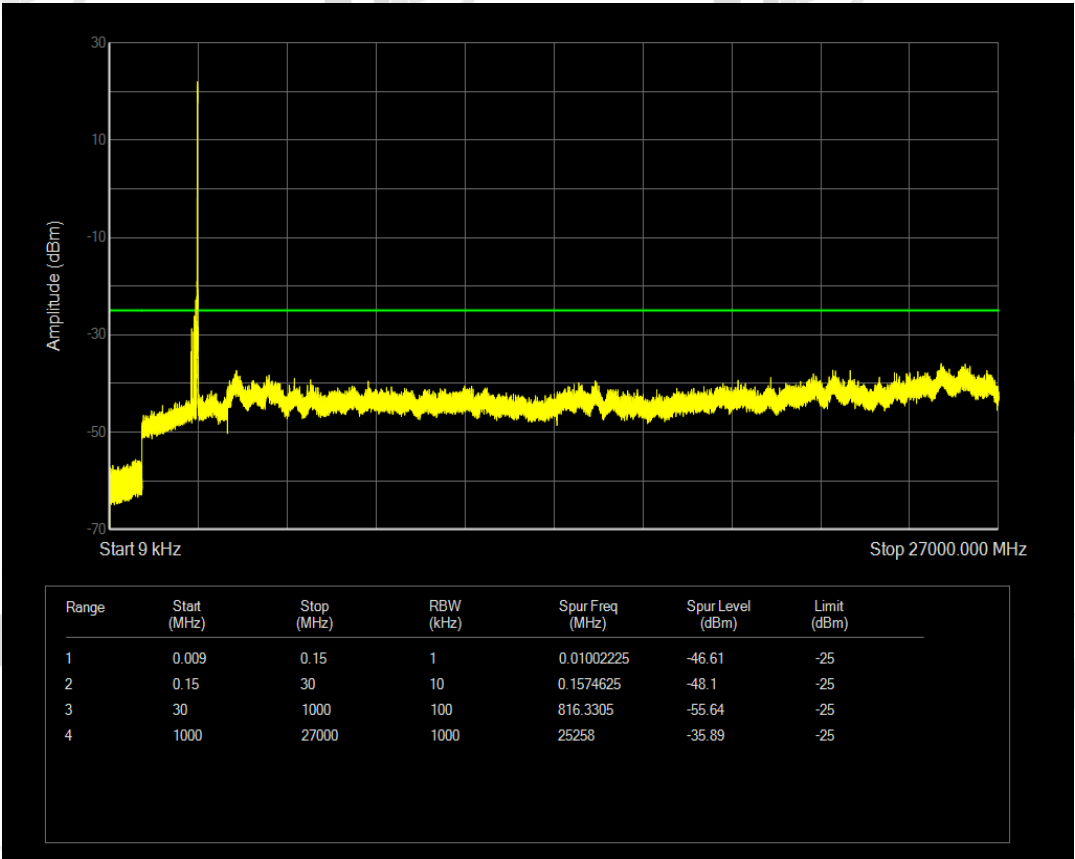
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



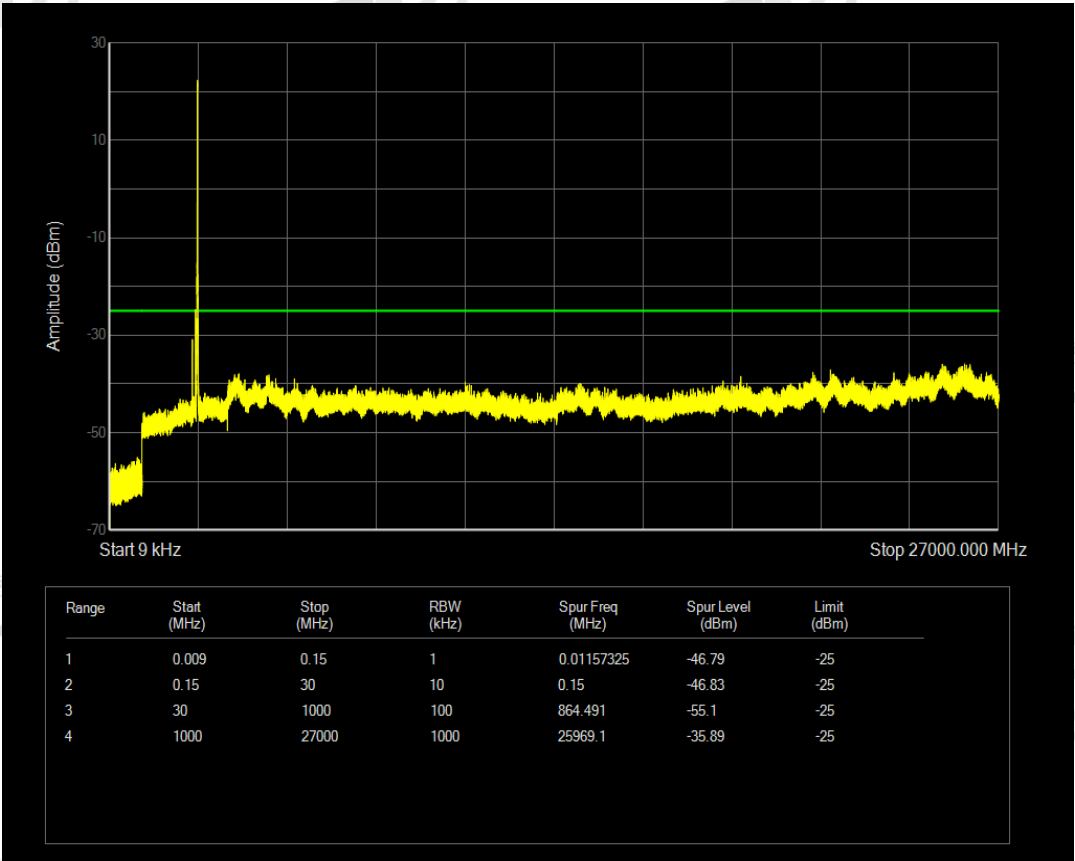
Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0



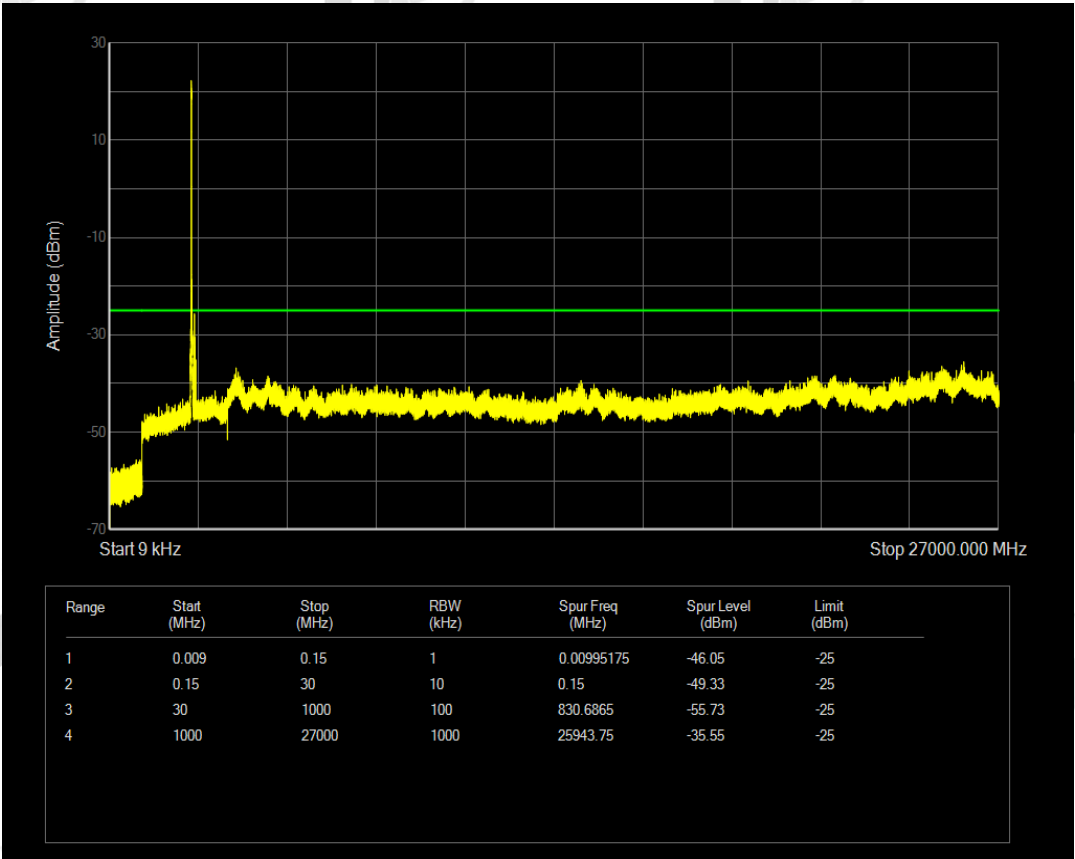
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



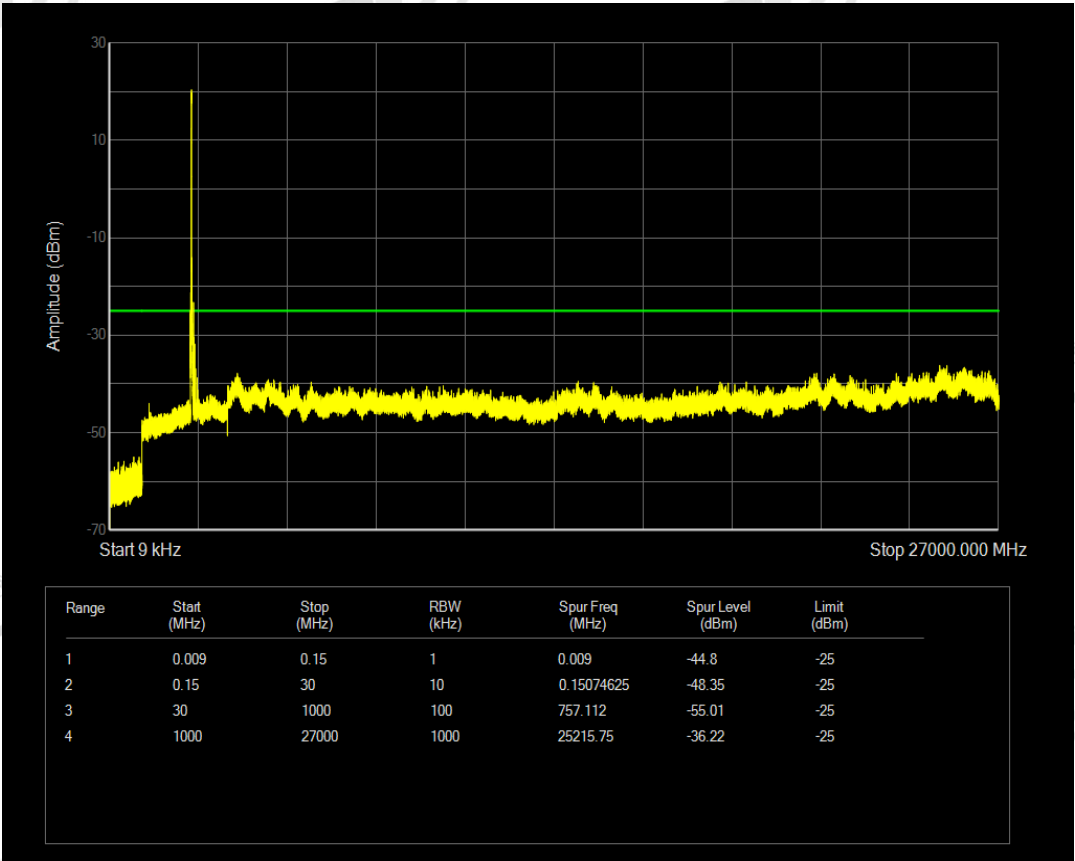
Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0



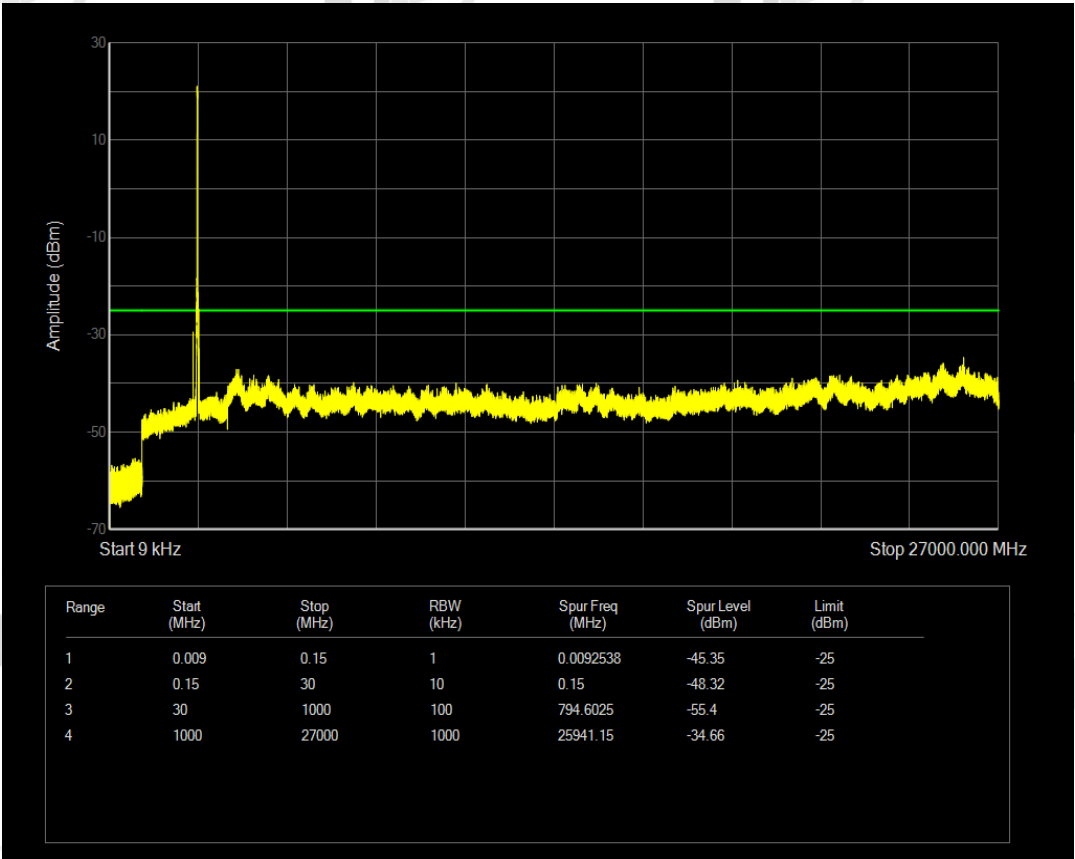
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



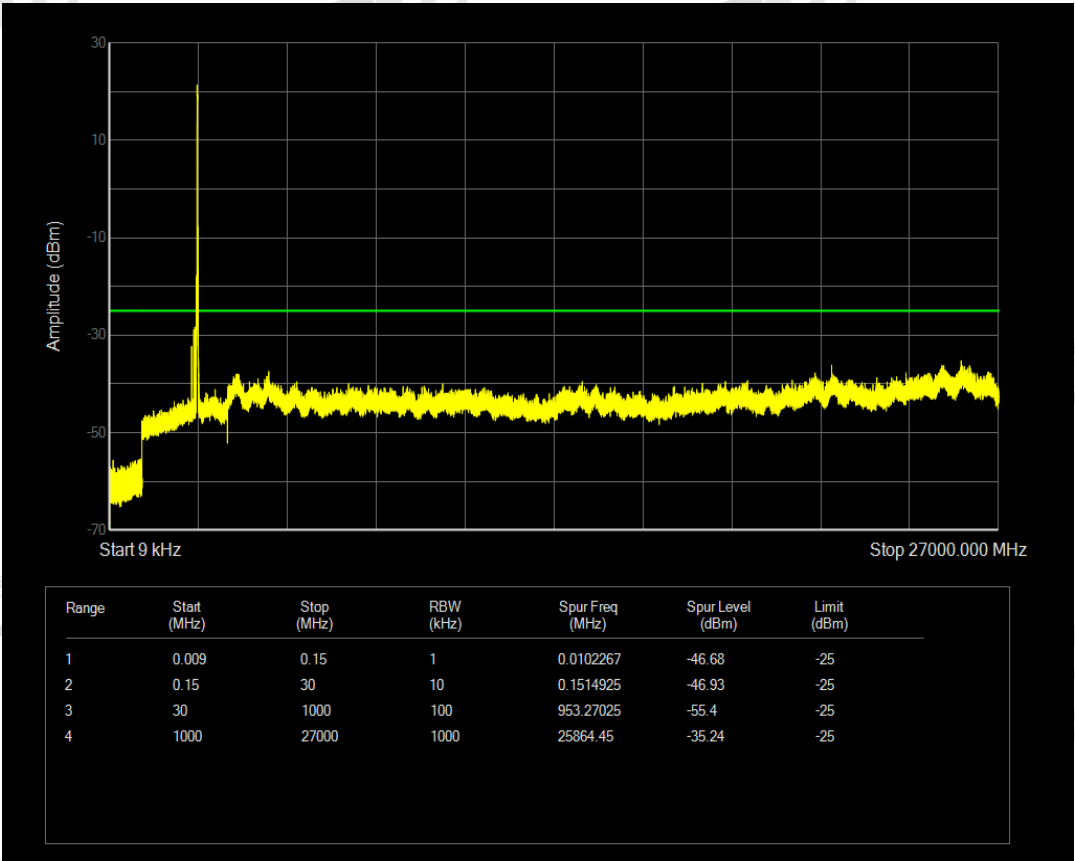
Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0



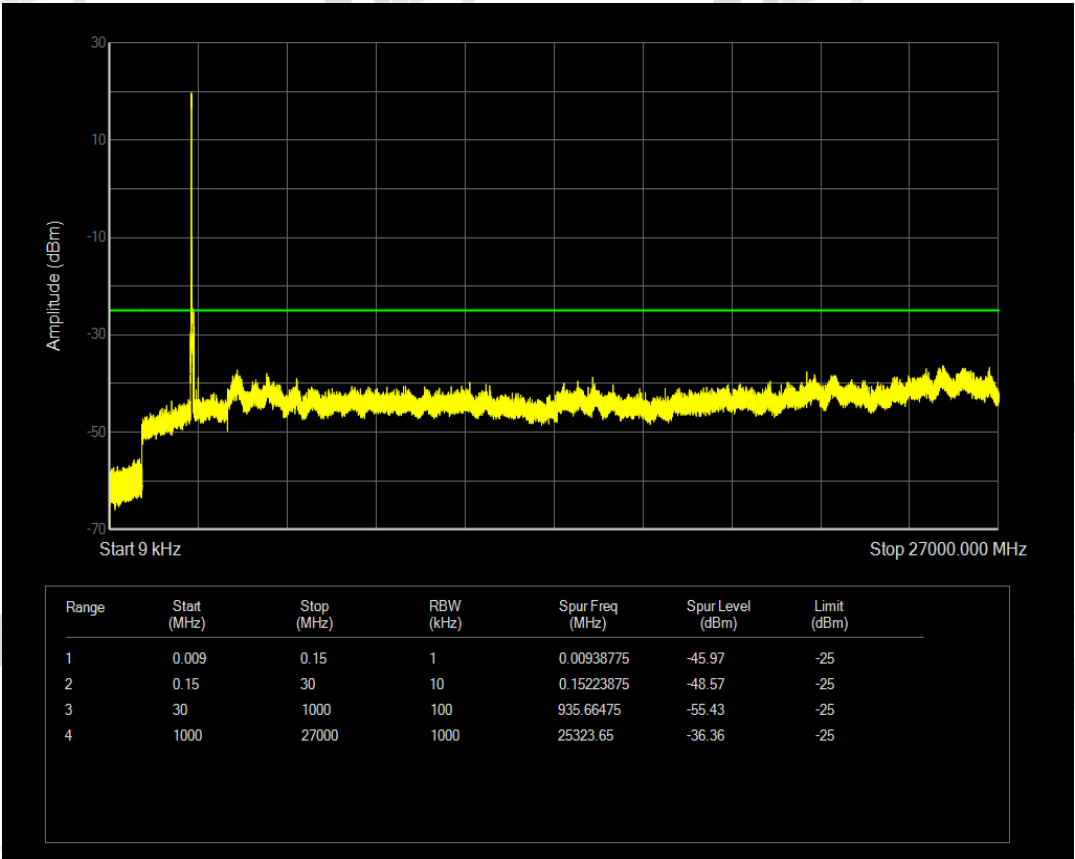
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



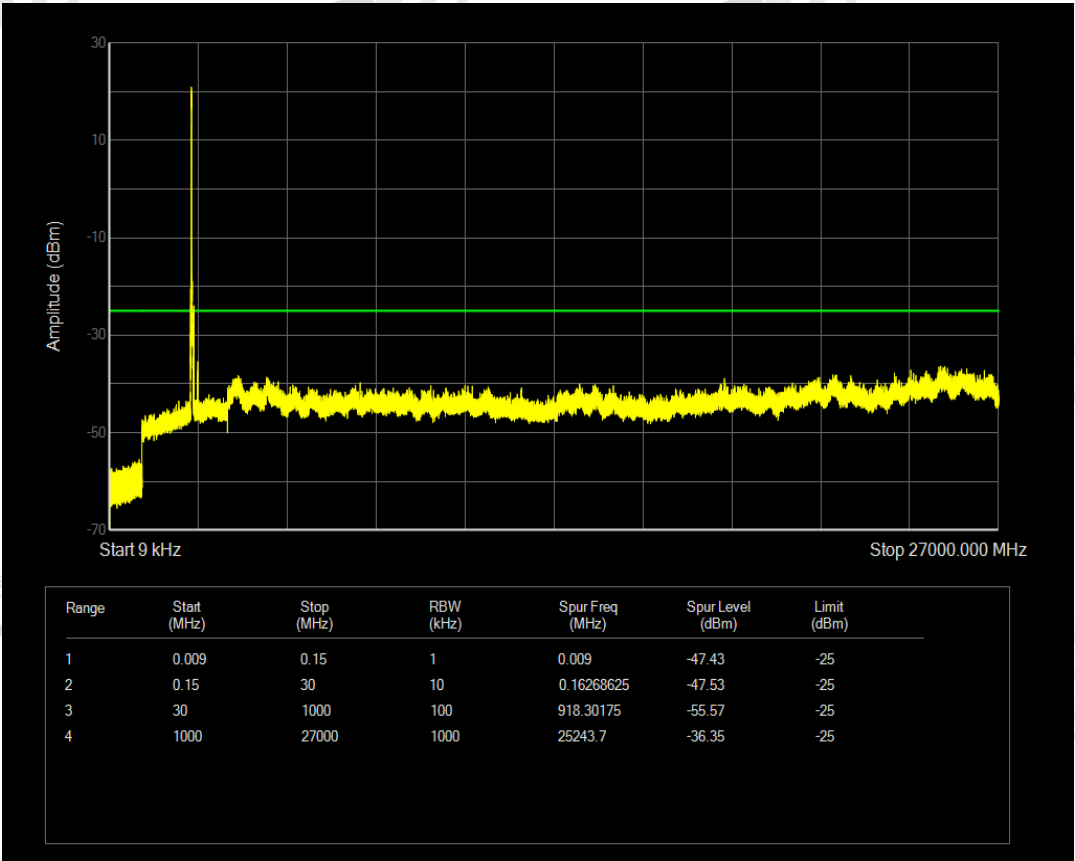
Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0



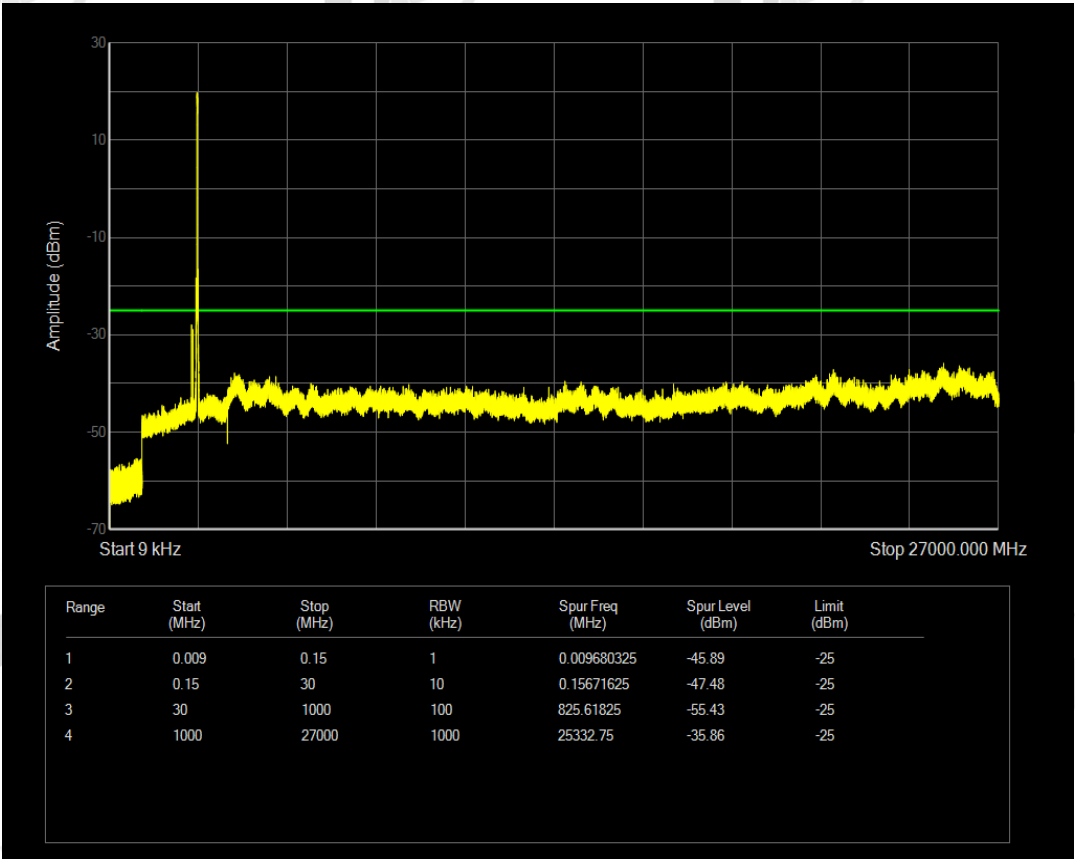
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



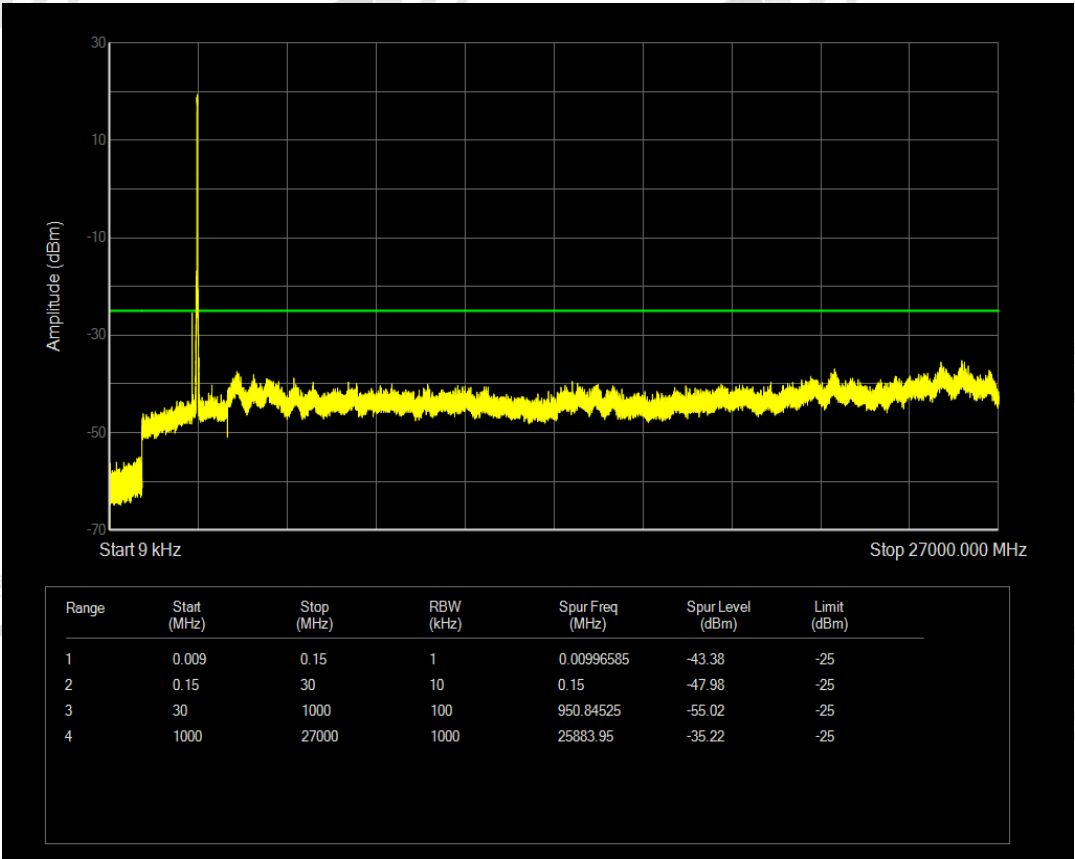
Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0

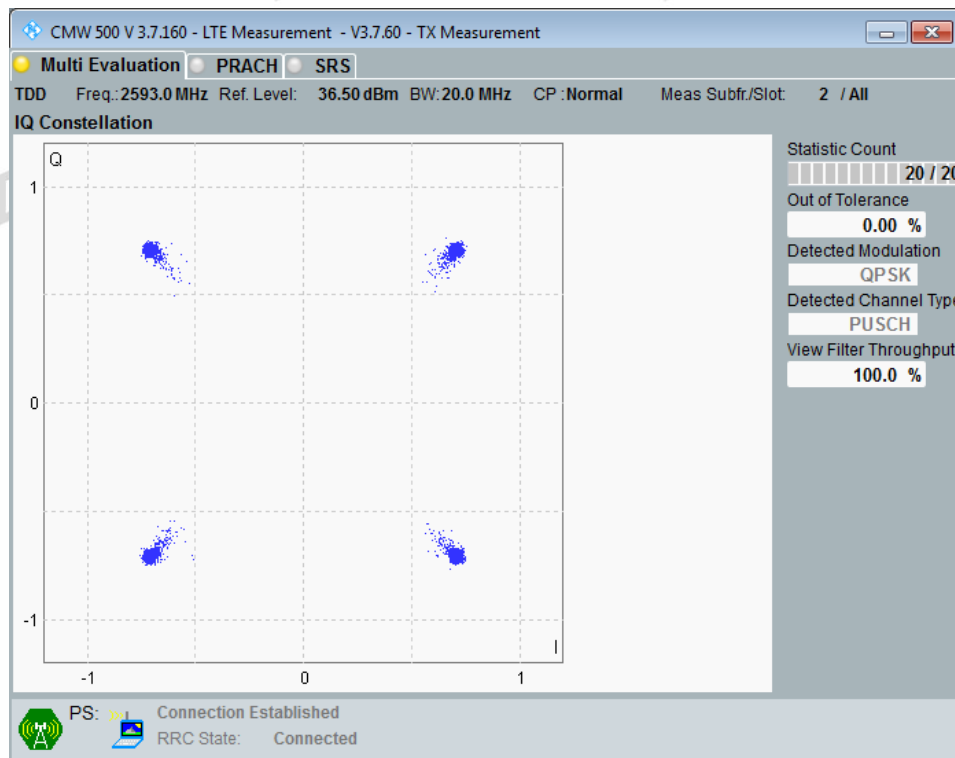


Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0

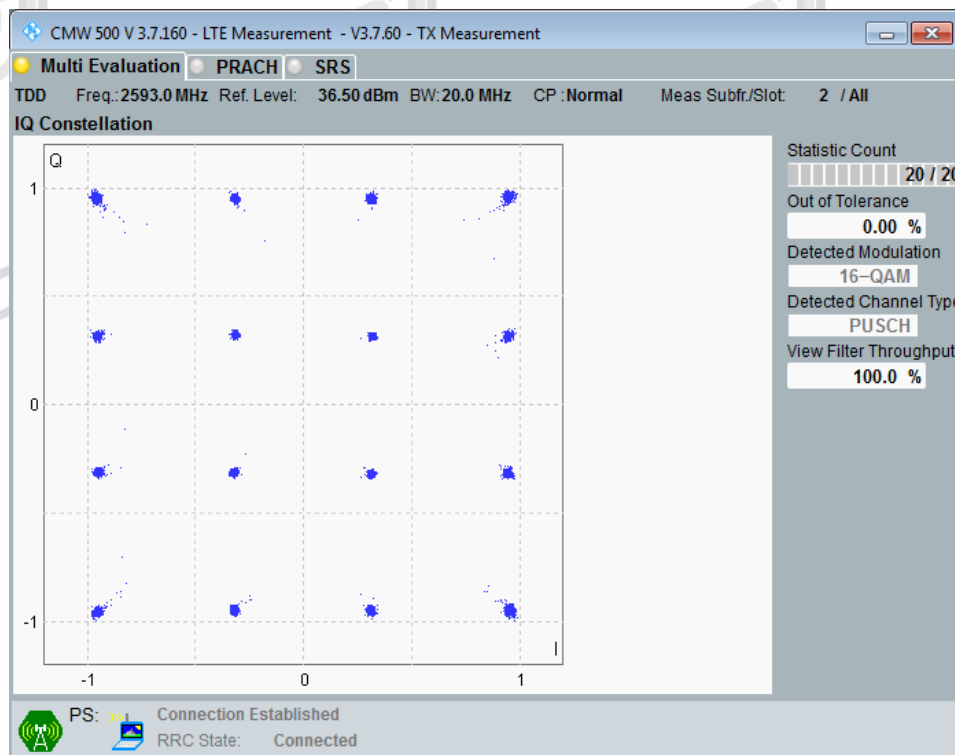


7 Modulation Characteristics

7.1 LTE/TM1 20MHz

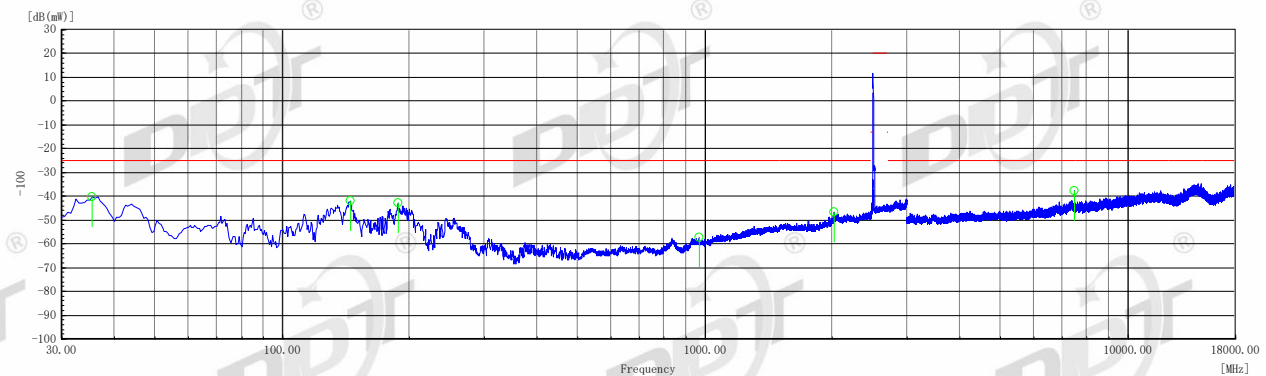


7.1 LTE/TM2 20MHz



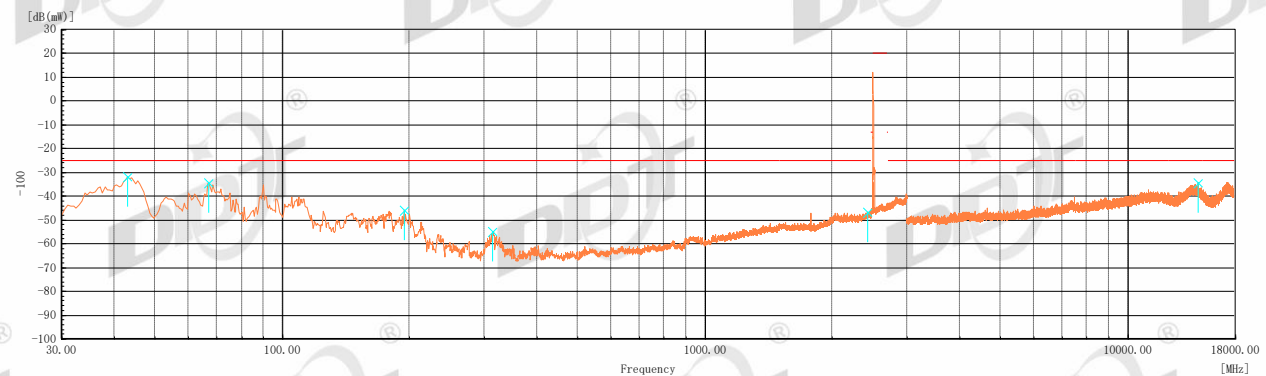
8. Radiated Power and Radiated Spurious Emissions

Test Mode1: LTE Band41 L-channel (horizontal)



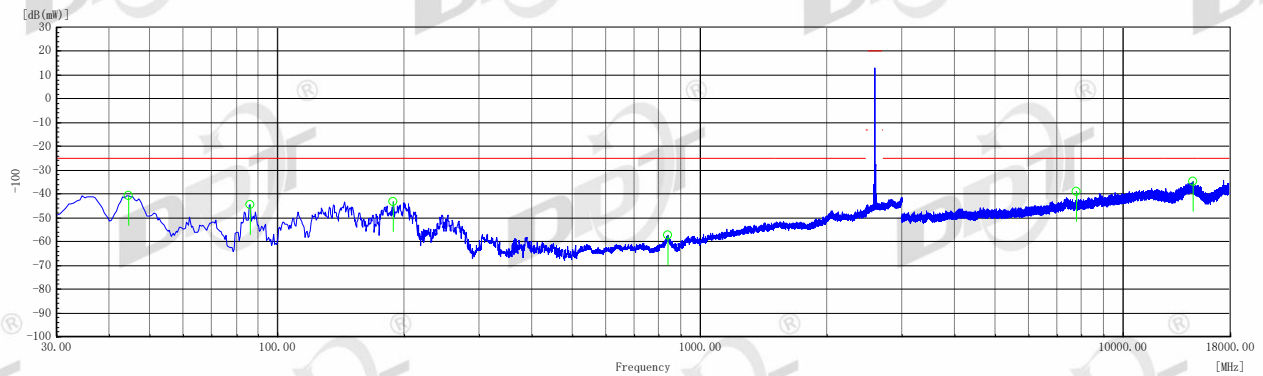
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
35.5	H	55.1	-40.2	-25	15.2	150	180.3
144.5	H	53.4	-41.9	-25	16.9	152	315.6
187.5	H	52.4	-42.9	-25	17.9	152	135.7
966	H	37.7	-57.6	-25	32.6	159	225.6
2018.5	H	48.7	-46.6	-25	21.6	160	225.6
7491.001	H	57.5	-37.8	-25	12.8	171	359.9

Test Mode1: LTE Band41 L-channel (vertical)



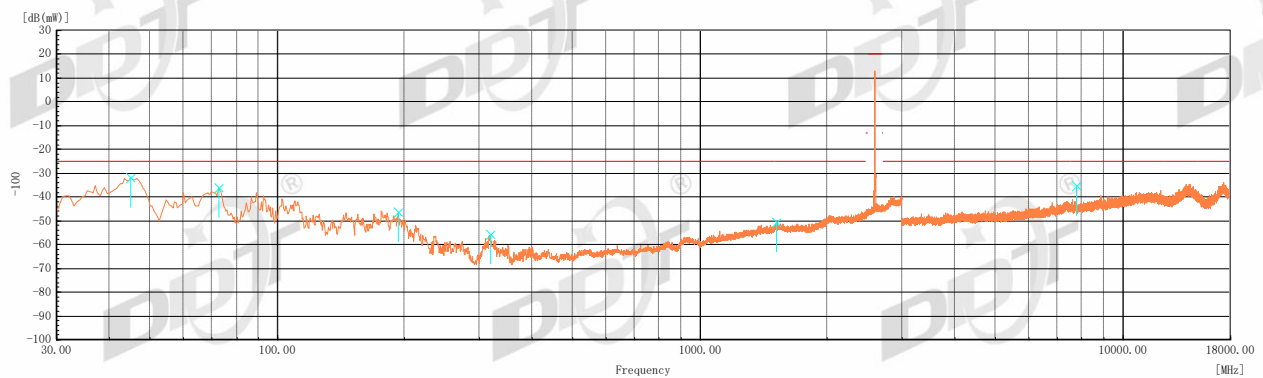
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43	V	63.6	-31.7	-25	6.7	109	134.5
67	V	61.0	-34.3	-25	9.3	110	89.5
194	V	49.6	-45.7	-25	20.7	125	269.9
314.5	V	40.5	-54.8	-25	29.8	130	224.9
2422.5	V	48.4	-46.9	-25	21.9	135	0
14658	V	60.8	-34.5	-25	9.5	150	44.9

Test Mode1: LTE Band41 M-channel (horizontal)



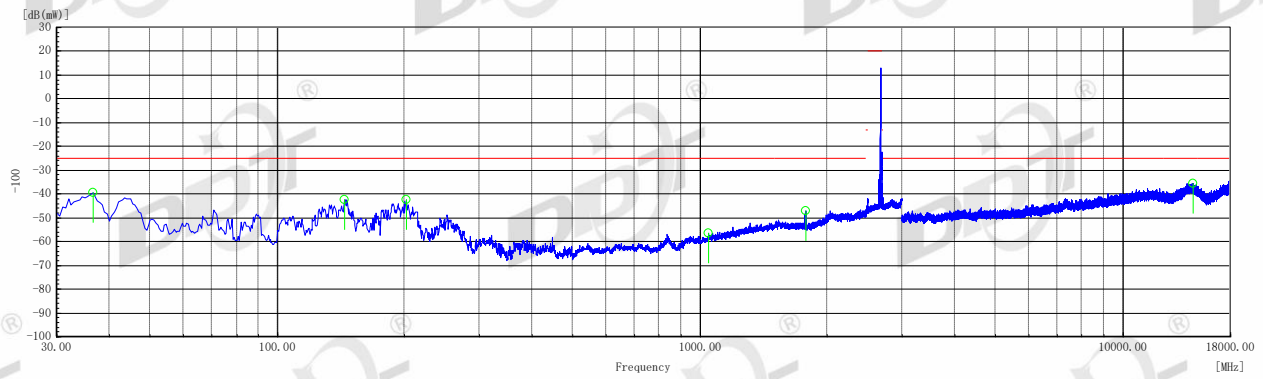
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
44.5	H	54.6	-40.7	-25	15.7	130	135.4
86	H	50.9	-44.4	-25	19.4	135	315.3
188	H	51.8	-43.5	-25	18.5	150	135.4
840	H	37.7	-57.6	-25	32.6	153	270.4
7766.001	H	56.0	-39.3	-25	14.3	160	0
14659	H	60.5	-34.8	-25	9.8	162	315.3

Test Mode1: LTE Band41 M-channel (vertical)



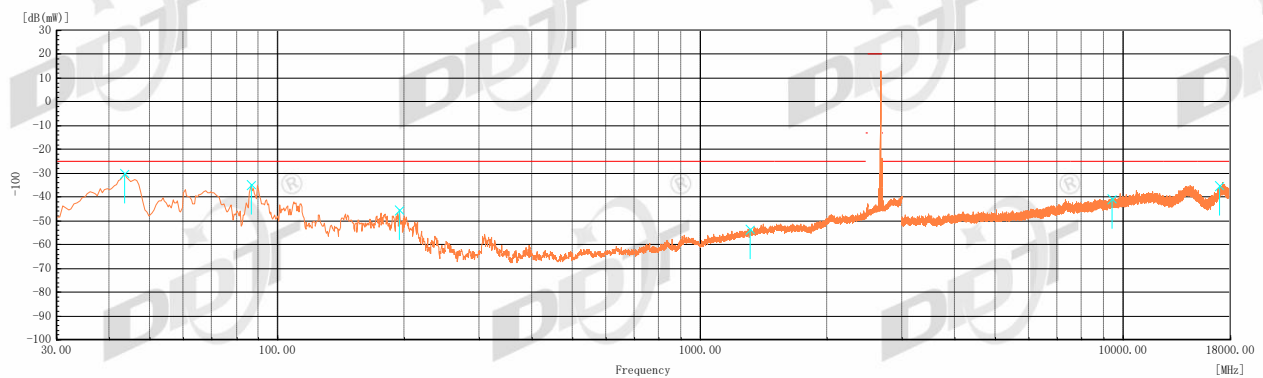
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
45	V	63.6	-31.7	-25	6.7	105	44.8
72.5	V	59.1	-36.2	-25	11.2	108	89.7
193	V	49.1	-46.2	-25	21.2	110	270
318.5	V	39.8	-55.5	-25	30.5	120	224.2
1519	V	44.6	-50.7	-25	25.7	150	0.2
7766.001	V	60.1	-35.2	-25	10.2	150	0.2

Test Mode1: LTE Band41 H-channel (horizontal)



Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
36.5	H	55.9	-39.4	-25	14.4	150	225.4
144	H	53.0	-42.3	-25	17.3	150	315
201.5	H	52.9	-42.4	-25	17.4	155	0
1046.5	H	38.7	-56.6	-25	31.6	158	90.8
1777.5	H	48.2	-47.1	-25	22.1	160	135.4
14651	H	59.7	-35.6	-25	10.6	175	45

Test Mode1: LTE Band41 H-channel (vertical)



Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43.5	V	65.0	-30.3	-25	5.3	108	89.5
86.5	V	60.3	-35	-25	10	150	89.5
194	V	49.8	-45.5	-25	20.5	159	269.7
1311	V	41.8	-53.5	-25	28.5	136	44.9
9414	V	54.6	-40.7	-25	15.7	109	269.7
16979	V	60.0	-35.3	-25	10.3	142	44.9