

1 Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	ERP Limit (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	22.4	5.6	25.85	38.45	PASS
Band5	1.4	20407	1	#Mid	QPSK	22.44	5.6	25.89	38.45	PASS
Band5	1.4	20407	1	#Max	QPSK	22.41	5.6	25.86	38.45	PASS
Band5	1.4	20407	3	#0	QPSK	22.43	5.6	25.88	38.45	PASS
Band5	1.4	20407	3	#Mid	QPSK	22.5	5.6	25.95	38.45	PASS
Band5	1.4	20407	3	#Max	QPSK	22.4	5.6	25.85	38.45	PASS
Band5	1.4	20407	6	#0	QPSK	21.46	5.6	24.91	38.45	PASS
Band5	1.4	20407	1	#0	QAM16	21.71	5.6	25.16	38.45	PASS
Band5	1.4	20407	1	#Mid	QAM16	21.72	5.6	25.17	38.45	PASS
Band5	1.4	20407	1	#Max	QAM16	21.69	5.6	25.14	38.45	PASS
Band5	1.4	20407	3	#0	QAM16	21.74	5.6	25.19	38.45	PASS
Band5	1.4	20407	3	#Mid	QAM16	21.81	5.6	25.26	38.45	PASS
Band5	1.4	20407	3	#Max	QAM16	21.74	5.6	25.19	38.45	PASS
Band5	1.4	20407	6	#0	QAM16	20.63	5.6	24.08	38.45	PASS
Band5	1.4	20525	1	#0	QPSK	22.57	5.6	26.02	38.45	PASS
Band5	1.4	20525	1	#Mid	QPSK	22.69	5.6	26.14	38.45	PASS
Band5	1.4	20525	1	#Max	QPSK	22.55	5.6	26	38.45	PASS
Band5	1.4	20525	3	#0	QPSK	22.49	5.6	25.94	38.45	PASS
Band5	1.4	20525	3	#Mid	QPSK	22.56	5.6	26.01	38.45	PASS
Band5	1.4	20525	3	#Max	QPSK	22.46	5.6	25.91	38.45	PASS
Band5	1.4	20525	6	#0	QPSK	21.52	5.6	24.97	38.45	PASS
Band5	1.4	20525	1	#0	QAM16	21.74	5.6	25.19	38.45	PASS
Band5	1.4	20525	1	#Mid	QAM16	21.79	5.6	25.24	38.45	PASS
Band5	1.4	20525	1	#Max	QAM16	21.74	5.6	25.19	38.45	PASS
Band5	1.4	20525	3	#0	QAM16	21.76	5.6	25.21	38.45	PASS
Band5	1.4	20525	3	#Mid	QAM16	21.83	5.6	25.28	38.45	PASS
Band5	1.4	20525	3	#Max	QAM16	21.74	5.6	25.19	38.45	PASS
Band5	1.4	20525	6	#0	QAM16	20.75	5.6	24.2	38.45	PASS
Band5	1.4	20643	1	#0	QPSK	22.47	5.6	25.92	38.45	PASS
Band5	1.4	20643	1	#Mid	QPSK	22.58	5.6	26.03	38.45	PASS
Band5	1.4	20643	1	#Max	QPSK	22.44	5.6	25.89	38.45	PASS
Band5	1.4	20643	3	#0	QPSK	22.5	5.6	25.95	38.45	PASS
Band5	1.4	20643	3	#Mid	QPSK	22.57	5.6	26.02	38.45	PASS
Band5	1.4	20643	3	#Max	QPSK	22.49	5.6	25.94	38.45	PASS
Band5	1.4	20643	6	#0	QPSK	21.51	5.6	24.96	38.45	PASS
Band5	1.4	20643	1	#0	QAM16	21.72	5.6	25.17	38.45	PASS
Band5	1.4	20643	1	#Mid	QAM16	21.82	5.6	25.27	38.45	PASS
Band5	1.4	20643	1	#Max	QAM16	21.73	5.6	25.18	38.45	PASS
Band5	1.4	20643	3	#0	QAM16	21.77	5.6	25.22	38.45	PASS
Band5	1.4	20643	3	#Mid	QAM16	21.85	5.6	25.3	38.45	PASS
Band5	1.4	20643	3	#Max	QAM16	21.78	5.6	25.23	38.45	PASS

Band5	1.4	20643	6	#0	QAM16	20.72	5.6	24.17	38.45	PASS
Band5	3	20415	1	#0	QPSK	22.38	5.6	25.83	38.45	PASS
Band5	3	20415	1	#Mid	QPSK	22.5	5.6	25.95	38.45	PASS
Band5	3	20415	1	#Max	QPSK	22.41	5.6	25.86	38.45	PASS
Band5	3	20415	8	#0	QPSK	21.5	5.6	24.95	38.45	PASS
Band5	3	20415	8	#Mid	QPSK	21.51	5.6	24.96	38.45	PASS
Band5	3	20415	8	#Max	QPSK	21.48	5.6	24.93	38.45	PASS
Band5	3	20415	15	#0	QPSK	21.48	5.6	24.93	38.45	PASS
Band5	3	20415	1	#0	QAM16	21.9	5.6	25.35	38.45	PASS
Band5	3	20415	1	#Mid	QAM16	21.98	5.6	25.43	38.45	PASS
Band5	3	20415	1	#Max	QAM16	21.9	5.6	25.35	38.45	PASS
Band5	3	20415	8	#0	QAM16	20.55	5.6	24	38.45	PASS
Band5	3	20415	8	#Mid	QAM16	20.66	5.6	24.11	38.45	PASS
Band5	3	20415	8	#Max	QAM16	20.61	5.6	24.06	38.45	PASS
Band5	3	20415	15	#0	QAM16	20.58	5.6	24.03	38.45	PASS
Band5	3	20525	1	#0	QPSK	22.54	5.6	25.99	38.45	PASS
Band5	3	20525	1	#Mid	QPSK	22.67	5.6	26.12	38.45	PASS
Band5	3	20525	1	#Max	QPSK	22.54	5.6	25.99	38.45	PASS
Band5	3	20525	8	#0	QPSK	21.64	5.6	25.09	38.45	PASS
Band5	3	20525	8	#Mid	QPSK	21.64	5.6	25.09	38.45	PASS
Band5	3	20525	8	#Max	QPSK	21.57	5.6	25.02	38.45	PASS
Band5	3	20525	15	#0	QPSK	21.62	5.6	25.07	38.45	PASS
Band5	3	20525	1	#0	QAM16	21.89	5.6	25.34	38.45	PASS
Band5	3	20525	1	#Mid	QAM16	21.9	5.6	25.35	38.45	PASS
Band5	3	20525	1	#Max	QAM16	21.82	5.6	25.27	38.45	PASS
Band5	3	20525	8	#0	QAM16	20.71	5.6	24.16	38.45	PASS
Band5	3	20525	8	#Mid	QAM16	20.71	5.6	24.16	38.45	PASS
Band5	3	20525	8	#Max	QAM16	20.68	5.6	24.13	38.45	PASS
Band5	3	20525	15	#0	QAM16	20.61	5.6	24.06	38.45	PASS
Band5	3	20635	1	#0	QPSK	22.67	5.6	26.12	38.45	PASS
Band5	3	20635	1	#Mid	QPSK	22.79	5.6	26.24	38.45	PASS
Band5	3	20635	1	#Max	QPSK	22.67	5.6	26.12	38.45	PASS
Band5	3	20635	8	#0	QPSK	21.65	5.6	25.1	38.45	PASS
Band5	3	20635	8	#Mid	QPSK	21.69	5.6	25.14	38.45	PASS
Band5	3	20635	8	#Max	QPSK	21.62	5.6	25.07	38.45	PASS
Band5	3	20635	15	#0	QPSK	21.66	5.6	25.11	38.45	PASS
Band5	3	20635	1	#0	QAM16	21.54	5.6	24.99	38.45	PASS
Band5	3	20635	1	#Mid	QAM16	21.62	5.6	25.07	38.45	PASS
Band5	3	20635	1	#Max	QAM16	21.47	5.6	24.92	38.45	PASS
Band5	3	20635	8	#0	QAM16	20.69	5.6	24.14	38.45	PASS
Band5	3	20635	8	#Mid	QAM16	20.7	5.6	24.15	38.45	PASS
Band5	3	20635	8	#Max	QAM16	20.66	5.6	24.11	38.45	PASS
Band5	3	20635	15	#0	QAM16	20.75	5.6	24.2	38.45	PASS
Band5	5	20425	1	#0	QPSK	22.46	5.6	25.91	38.45	PASS

Band5	5	20425	1	#Mid	QPSK	22.52	5.6	25.97	38.45	PASS
Band5	5	20425	1	#Max	QPSK	22.53	5.6	25.98	38.45	PASS
Band5	5	20425	12	#0	QPSK	21.54	5.6	24.99	38.45	PASS
Band5	5	20425	12	#Mid	QPSK	21.55	5.6	25	38.45	PASS
Band5	5	20425	12	#Max	QPSK	21.5	5.6	24.95	38.45	PASS
Band5	5	20425	25	#0	QPSK	21.54	5.6	24.99	38.45	PASS
Band5	5	20425	1	#0	QAM16	22.03	5.6	25.48	38.45	PASS
Band5	5	20425	1	#Mid	QAM16	22.08	5.6	25.53	38.45	PASS
Band5	5	20425	1	#Max	QAM16	22.06	5.6	25.51	38.45	PASS
Band5	5	20425	12	#0	QAM16	20.57	5.6	24.02	38.45	PASS
Band5	5	20425	12	#Mid	QAM16	20.6	5.6	24.05	38.45	PASS
Band5	5	20425	12	#Max	QAM16	20.61	5.6	24.06	38.45	PASS
Band5	5	20425	25	#0	QAM16	20.55	5.6	24	38.45	PASS
Band5	5	20525	1	#0	QPSK	22.63	5.6	26.08	38.45	PASS
Band5	5	20525	1	#Mid	QPSK	22.61	5.6	26.06	38.45	PASS
Band5	5	20525	1	#Max	QPSK	22.57	5.6	26.02	38.45	PASS
Band5	5	20525	12	#0	QPSK	21.62	5.6	25.07	38.45	PASS
Band5	5	20525	12	#Mid	QPSK	21.59	5.6	25.04	38.45	PASS
Band5	5	20525	12	#Max	QPSK	21.55	5.6	25	38.45	PASS
Band5	5	20525	25	#0	QPSK	21.59	5.6	25.04	38.45	PASS
Band5	5	20525	1	#0	QAM16	22.01	5.6	25.46	38.45	PASS
Band5	5	20525	1	#Mid	QAM16	21.98	5.6	25.43	38.45	PASS
Band5	5	20525	1	#Max	QAM16	21.89	5.6	25.34	38.45	PASS
Band5	5	20525	12	#0	QAM16	20.66	5.6	24.11	38.45	PASS
Band5	5	20525	12	#Mid	QAM16	20.68	5.6	24.13	38.45	PASS
Band5	5	20525	12	#Max	QAM16	20.57	5.6	24.02	38.45	PASS
Band5	5	20525	25	#0	QAM16	20.71	5.6	24.16	38.45	PASS
Band5	5	20625	1	#0	QPSK	22.64	5.6	26.09	38.45	PASS
Band5	5	20625	1	#Mid	QPSK	22.57	5.6	26.02	38.45	PASS
Band5	5	20625	1	#Max	QPSK	22.49	5.6	25.94	38.45	PASS
Band5	5	20625	12	#0	QPSK	21.72	5.6	25.17	38.45	PASS
Band5	5	20625	12	#Mid	QPSK	21.67	5.6	25.12	38.45	PASS
Band5	5	20625	12	#Max	QPSK	21.63	5.6	25.08	38.45	PASS
Band5	5	20625	25	#0	QPSK	21.64	5.6	25.09	38.45	PASS
Band5	5	20625	1	#0	QAM16	21.99	5.6	25.44	38.45	PASS
Band5	5	20625	1	#Mid	QAM16	21.96	5.6	25.41	38.45	PASS
Band5	5	20625	1	#Max	QAM16	21.9	5.6	25.35	38.45	PASS
Band5	5	20625	12	#0	QAM16	20.78	5.6	24.23	38.45	PASS
Band5	5	20625	12	#Mid	QAM16	20.75	5.6	24.2	38.45	PASS
Band5	5	20625	12	#Max	QAM16	20.71	5.6	24.16	38.45	PASS
Band5	5	20625	25	#0	QAM16	20.66	5.6	24.11	38.45	PASS
Band5	10	20450	1	#0	QPSK	22.48	5.6	25.93	38.45	PASS
Band5	10	20450	1	#Mid	QPSK	22.48	5.6	25.93	38.45	PASS
Band5	10	20450	1	#Max	QPSK	22.56	5.6	26.01	38.45	PASS

Band5	10	20450	25	#0	QPSK	21.53	5.6	24.98	38.45	PASS
Band5	10	20450	25	#Mid	QPSK	21.67	5.6	25.12	38.45	PASS
Band5	10	20450	25	#Max	QPSK	21.65	5.6	25.1	38.45	PASS
Band5	10	20450	50	#0	QPSK	21.6	5.6	25.05	38.45	PASS
Band5	10	20450	1	#0	QAM16	21.92	5.6	25.37	38.45	PASS
Band5	10	20450	1	#Mid	QAM16	21.93	5.6	25.38	38.45	PASS
Band5	10	20450	1	#Max	QAM16	22.03	5.6	25.48	38.45	PASS
Band5	10	20450	25	#0	QAM16	20.65	5.6	24.1	38.45	PASS
Band5	10	20450	25	#Mid	QAM16	20.7	5.6	24.15	38.45	PASS
Band5	10	20450	25	#Max	QAM16	20.7	5.6	24.15	38.45	PASS
Band5	10	20450	50	#0	QAM16	20.72	5.6	24.17	38.45	PASS
Band5	10	20525	1	#0	QPSK	22.62	5.6	26.07	38.45	PASS
Band5	10	20525	1	#Mid	QPSK	22.58	5.6	26.03	38.45	PASS
Band5	10	20525	1	#Max	QPSK	22.52	5.6	25.97	38.45	PASS
Band5	10	20525	25	#0	QPSK	21.62	5.6	25.07	38.45	PASS
Band5	10	20525	25	#Mid	QPSK	21.63	5.6	25.08	38.45	PASS
Band5	10	20525	25	#Max	QPSK	21.55	5.6	25	38.45	PASS
Band5	10	20525	50	#0	QPSK	21.58	5.6	25.03	38.45	PASS
Band5	10	20525	1	#0	QAM16	21.9	5.6	25.35	38.45	PASS
Band5	10	20525	1	#Mid	QAM16	21.82	5.6	25.27	38.45	PASS
Band5	10	20525	1	#Max	QAM16	21.75	5.6	25.2	38.45	PASS
Band5	10	20525	25	#0	QAM16	20.72	5.6	24.17	38.45	PASS
Band5	10	20525	25	#Mid	QAM16	20.73	5.6	24.18	38.45	PASS
Band5	10	20525	25	#Max	QAM16	20.66	5.6	24.11	38.45	PASS
Band5	10	20525	50	#0	QAM16	20.73	5.6	24.18	38.45	PASS
Band5	10	20600	1	#0	QPSK	22.63	5.6	26.08	38.45	PASS
Band5	10	20600	1	#Mid	QPSK	22.63	5.6	26.08	38.45	PASS
Band5	10	20600	1	#Max	QPSK	22.56	5.6	26.01	38.45	PASS
Band5	10	20600	25	#0	QPSK	21.68	5.6	25.13	38.45	PASS
Band5	10	20600	25	#Mid	QPSK	21.73	5.6	25.18	38.45	PASS
Band5	10	20600	25	#Max	QPSK	21.69	5.6	25.14	38.45	PASS
Band5	10	20600	50	#0	QPSK	21.6	5.6	25.05	38.45	PASS
Band5	10	20600	1	#0	QAM16	22.14	5.6	25.59	38.45	PASS
Band5	10	20600	1	#Mid	QAM16	22.07	5.6	25.52	38.45	PASS
Band5	10	20600	1	#Max	QAM16	22.02	5.6	25.47	38.45	PASS
Band5	10	20600	25	#0	QAM16	20.69	5.6	24.14	38.45	PASS
Band5	10	20600	25	#Mid	QAM16	20.8	5.6	24.25	38.45	PASS
Band5	10	20600	25	#Max	QAM16	20.72	5.6	24.17	38.45	PASS
Band5	10	20600	50	#0	QAM16	20.63	5.6	24.08	38.45	PASS

2 Frequency stability

2.1 Frequency VS Voltage

Band	Bandwidth (MHz)	Voltage	Temp (℃)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band5	10	LV	NT	20450	50	#0	QPSK	-3.14	-0.004	±2.5	PASS
Band5	10	NV	NT	20450	50	#0	QPSK	-4.18	-0.005	±2.5	PASS
Band5	10	HV	NT	20450	50	#0	QPSK	-7.35	-0.009	±2.5	PASS
Band5	10	LV	NT	20525	50	#0	QPSK	-2.25	-0.003	±2.5	PASS
Band5	10	NV	NT	20525	50	#0	QPSK	-3.99	-0.005	±2.5	PASS
Band5	10	HV	NT	20525	50	#0	QPSK	-2.32	-0.003	±2.5	PASS
Band5	10	LV	NT	20600	50	#0	QPSK	-3.91	-0.005	±2.5	PASS
Band5	10	NV	NT	20600	50	#0	QPSK	-7.52	-0.009	±2.5	PASS
Band5	10	HV	NT	20600	50	#0	QPSK	-2.41	-0.003	±2.5	PASS
Band5	10	LV	NT	20450	50	#0	QAM16	-1.28	-0.002	±2.5	PASS
Band5	10	NV	NT	20450	50	#0	QAM16	-3.54	-0.001	±2.5	PASS
Band5	10	HV	NT	20450	50	#0	QAM16	0.19	0.000	±2.5	PASS
Band5	10	LV	NT	20525	50	#0	QAM16	4.19	0.002	±2.5	PASS
Band5	10	NV	NT	20525	50	#0	QAM16	2.41	0.001	±2.5	PASS
Band5	10	HV	NT	20525	50	#0	QAM16	7.04	0.003	±2.5	PASS
Band5	10	LV	NT	20600	50	#0	QAM16	2.75	0.001	±2.5	PASS
Band5	10	NV	NT	20600	50	#0	QAM16	11.96	0.004	±2.5	PASS
Band5	10	HV	NT	20600	50	#0	QAM16	-3.65	-0.004	±2.5	PASS

2.2 .Frequency Vs Temperature

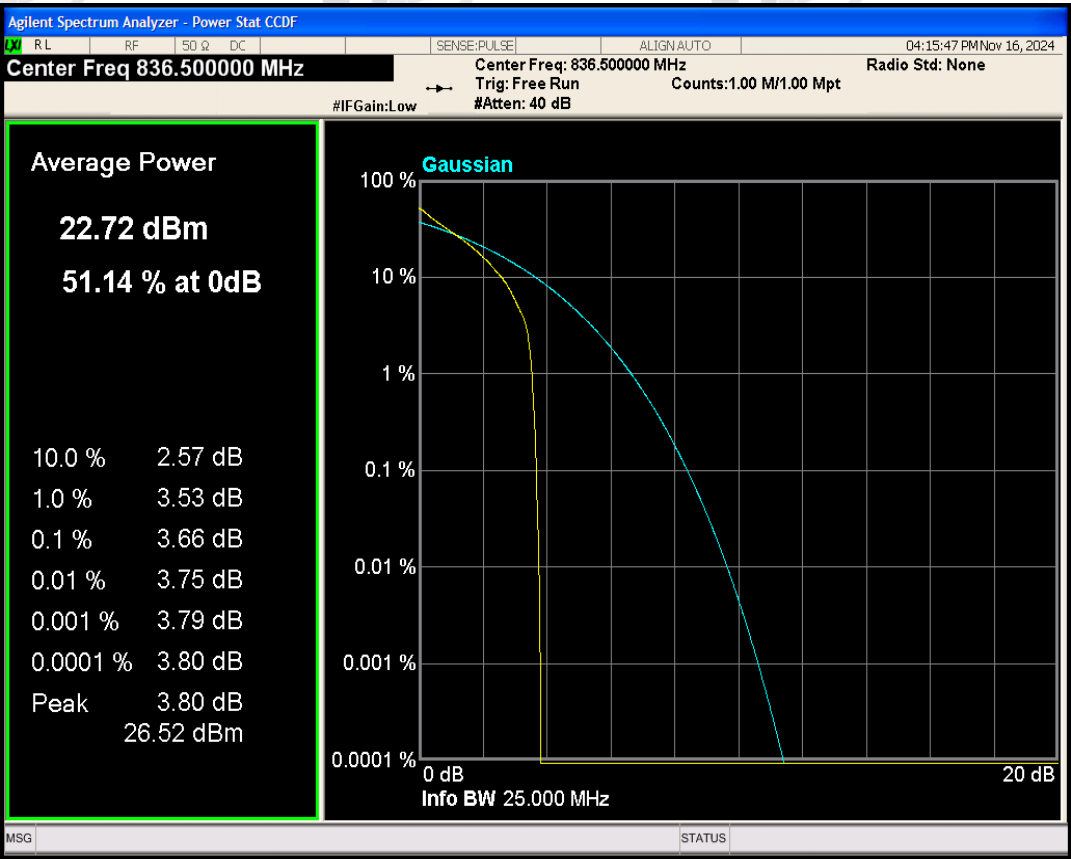
Band	Bandwidth (MHz)	Voltage	Temp (℃)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
Band5	10	NV	-30	20450	50	#0	QPSK	3.20	0.005	±2.5	PASS
Band5	10	NV	-20	20450	50	#0	QPSK	-2.28	-0.003	±2.5	PASS
Band5	10	NV	0	20450	50	#0	QPSK	-1.61	-0.002	±2.5	PASS
Band5	10	NV	10	20450	50	#0	QPSK	-6.48	-0.009	±2.5	PASS
Band5	10	NV	20	20450	50	#0	QPSK	2.55	0.004	±2.5	PASS
Band5	10	NV	30	20450	50	#0	QPSK	0.51	0.001	±2.5	PASS
Band5	10	NV	40	20450	50	#0	QPSK	-2.04	-0.003	±2.5	PASS
Band5	10	NV	50	20450	50	#0	QPSK	-0.68	-0.001	±2.5	PASS
Band5	10	NV	-30	20525	50	#0	QPSK	-4.10	-0.006	±2.5	PASS
Band5	10	NV	-20	20525	50	#0	QPSK	-3.74	-0.005	±2.5	PASS
Band5	10	NV	0	20525	50	#0	QPSK	5.33	0.008	±2.5	PASS
Band5	10	NV	10	20525	50	#0	QPSK	1.56	0.002	±2.5	PASS
Band5	10	NV	20	20525	50	#0	QPSK	-2.18	-0.003	±2.5	PASS
Band5	10	NV	30	20525	50	#0	QPSK	-3.48	-0.005	±2.5	PASS
Band5	10	NV	40	20525	50	#0	QPSK	-6.79	-0.004	±2.5	PASS
Band5	10	NV	50	20525	50	#0	QPSK	-10.06	-0.005	±2.5	PASS
Band5	10	NV	-30	20600	50	#0	QPSK	5.54	0.003	±2.5	PASS
Band5	10	NV	-20	20600	50	#0	QPSK	11.72	0.006	±2.5	PASS
Band5	10	NV	0	20600	50	#0	QPSK	-7.73	-0.004	±2.5	PASS

Band5	10	NV	10	20600	50	#0	QPSK	-1.00	-0.001	±2.5	PASS
Band5	10	NV	20	20600	50	#0	QPSK	-5.45	-0.002	±2.5	PASS
Band5	10	NV	30	20600	50	#0	QPSK	-6.09	-0.002	±2.5	PASS
Band5	10	NV	40	20600	50	#0	QPSK	-1.22	0.000	±2.5	PASS
Band5	10	NV	50	20600	50	#0	QPSK	-5.14	-0.002	±2.5	PASS
Band5	10	NV	-30	20450	50	#0	16QAM	1.81	0.001	±2.5	PASS
Band5	10	NV	-20	20450	50	#0	16QAM	-2.36	-0.001	±2.5	PASS
Band5	10	NV	0	20450	50	#0	16QAM	-12.39	-0.007	±2.5	PASS
Band5	10	NV	10	20450	50	#0	16QAM	-2.35	-0.001	±2.5	PASS
Band5	10	NV	20	20450	50	#0	16QAM	3.32	0.002	±2.5	PASS
Band5	10	NV	30	20450	50	#0	16QAM	3.96	0.002	±2.5	PASS
Band5	10	NV	40	20450	50	#0	16QAM	-0.02	0.000	±2.5	PASS
Band5	10	NV	50	20450	50	#0	16QAM	0.95	0.001	±2.5	PASS
Band5	10	NV	-30	20525	50	#0	16QAM	3.20	0.005	±2.5	PASS
Band5	10	NV	-20	20525	50	#0	16QAM	-2.28	-0.003	±2.5	PASS
Band5	10	NV	0	20525	50	#0	16QAM	-1.61	-0.002	±2.5	PASS
Band5	10	NV	10	20525	50	#0	16QAM	-6.48	-0.009	±2.5	PASS
Band5	10	NV	20	20525	50	#0	16QAM	2.55	0.004	±2.5	PASS
Band5	10	NV	30	20525	50	#0	16QAM	0.51	0.001	±2.5	PASS
Band5	10	NV	40	20525	50	#0	16QAM	-2.04	-0.003	±2.5	PASS
Band5	10	NV	50	20525	50	#0	16QAM	-0.68	-0.001	±2.5	PASS
Band5	10	NV	-30	20600	50	#0	16QAM	-4.10	-0.006	±2.5	PASS
Band5	10	NV	-20	20600	50	#0	16QAM	-3.74	-0.005	±2.5	PASS
Band5	10	NV	0	20600	50	#0	16QAM	5.33	0.008	±2.5	PASS
Band5	10	NV	10	20600	50	#0	16QAM	1.56	0.002	±2.5	PASS
Band5	10	NV	20	20600	50	#0	16QAM	-2.18	-0.003	±2.5	PASS
Band5	10	NV	30	20600	50	#0	16QAM	-3.48	-0.005	±2.5	PASS
Band5	10	NV	40	20600	50	#0	16QAM	-6.79	-0.004	±2.5	PASS
Band5	10	NV	50	20600	50	#0	16QAM	-10.06	-0.005	±2.5	PASS

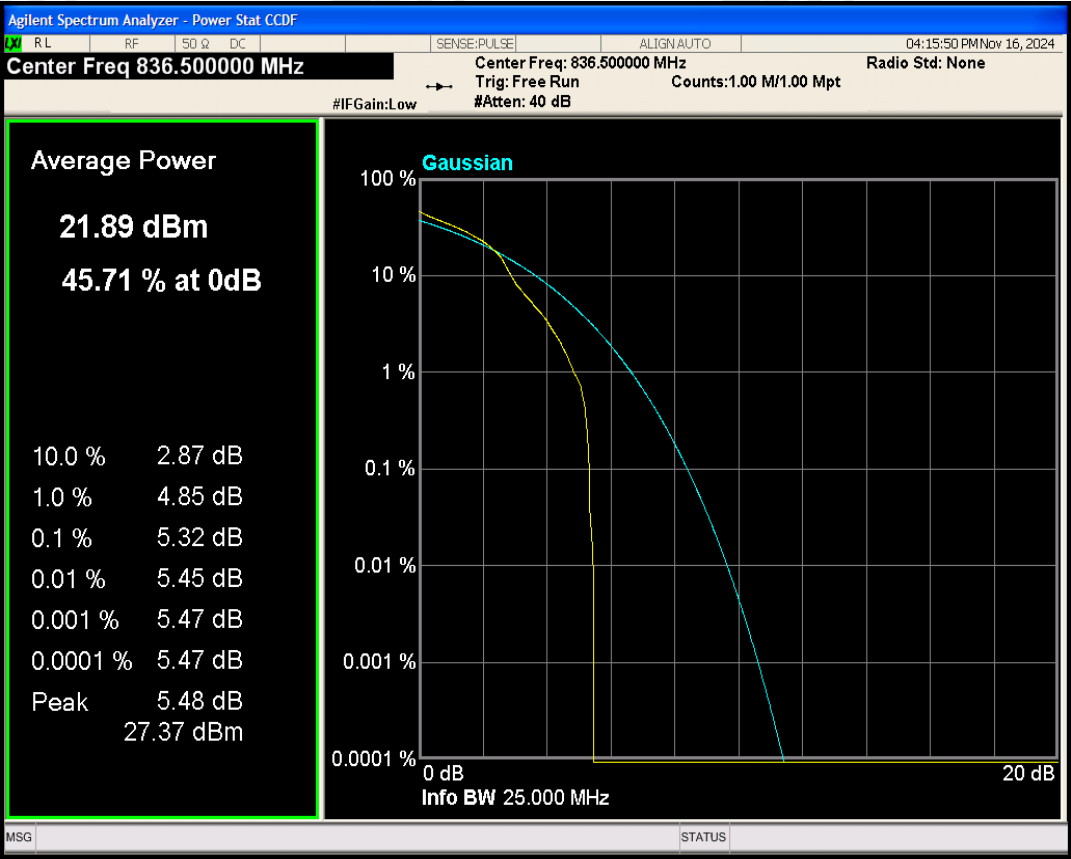
3 Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20525	1	#0	QPSK	3.66	13	PASS
Band5	1.4	20525	1	#0	QAM16	5.32	13	PASS
Band5	3	20525	1	#0	QPSK	3.45	13	PASS
Band5	3	20525	1	#0	QAM16	5.08	13	PASS
Band5	5	20525	1	#0	QPSK	3.41	13	PASS
Band5	5	20525	1	#0	QAM16	5.10	13	PASS
Band5	10	20525	1	#0	QPSK	3.23	13	PASS
Band5	10	20525	1	#0	QAM16	4.85	13	PASS

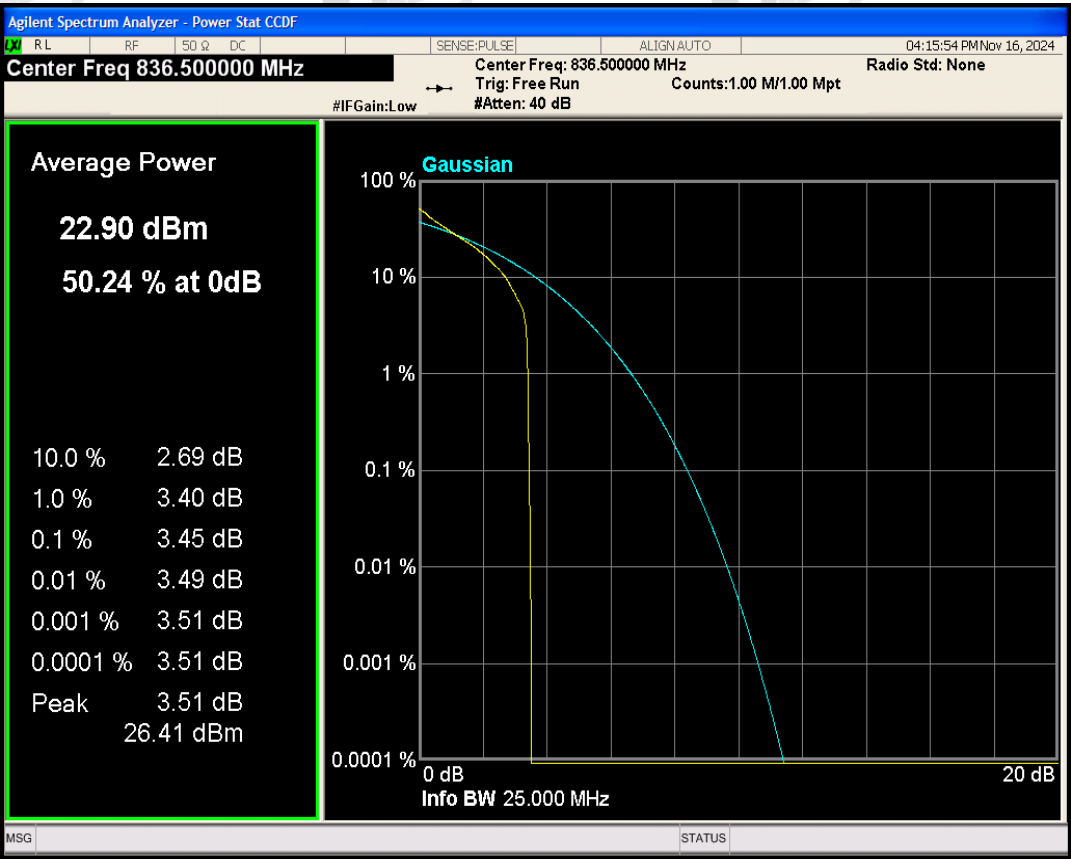
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



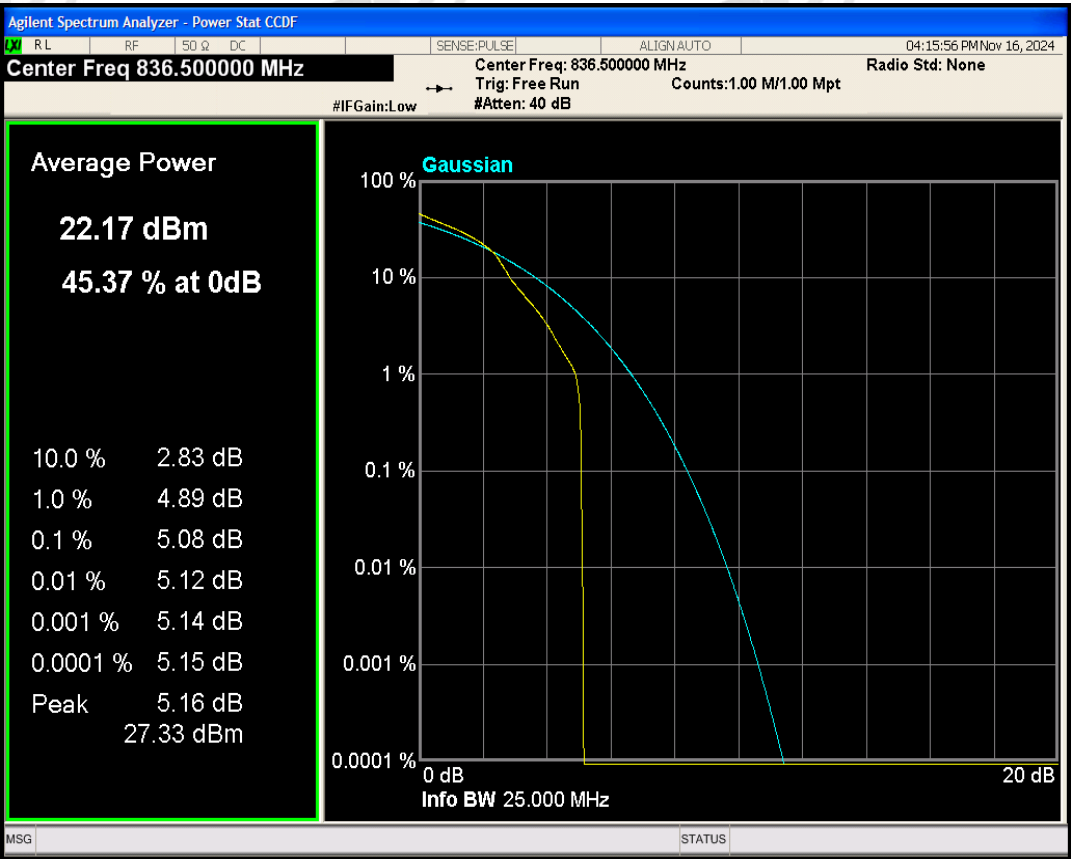
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0



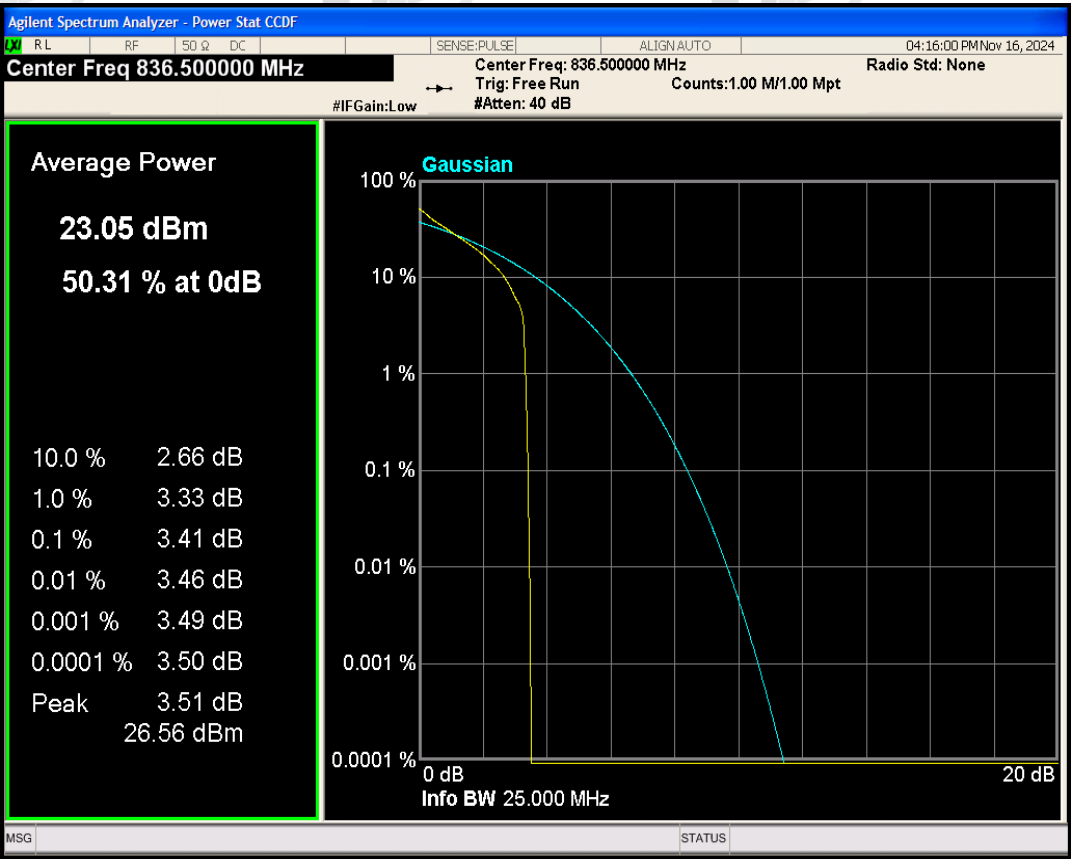
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



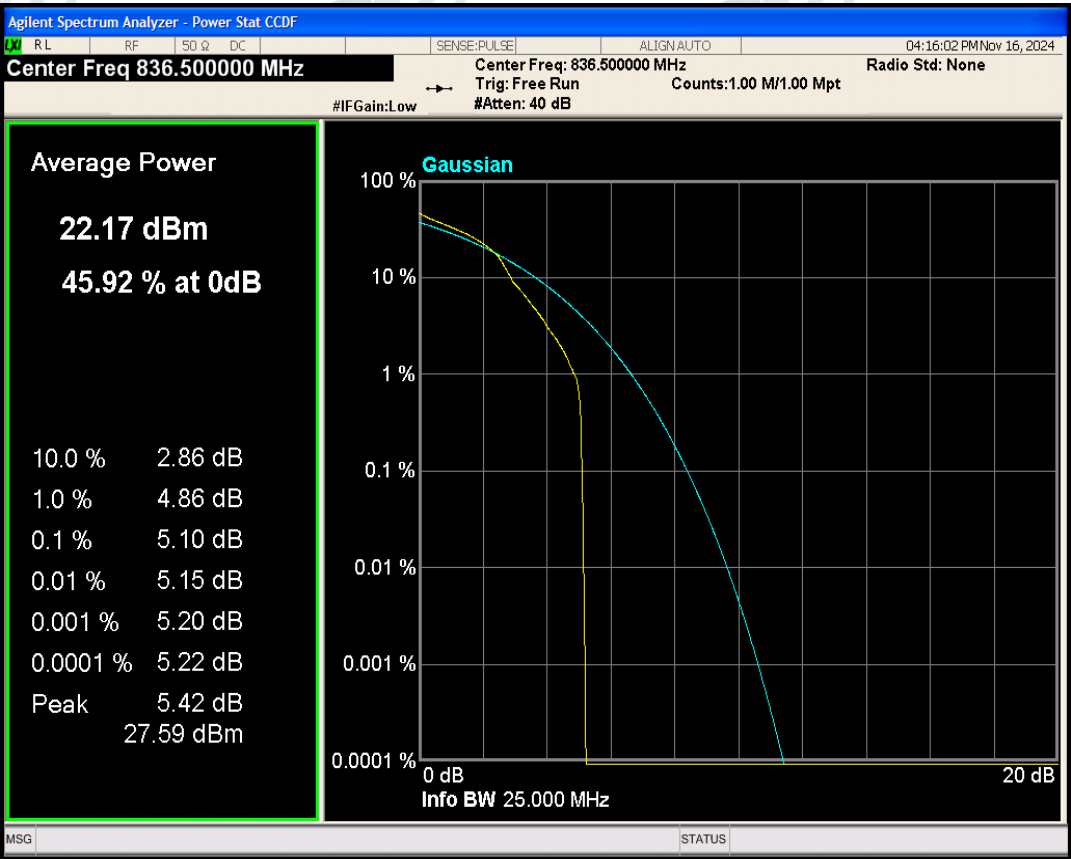
Band5 QAM16 BW=3MHz Channel=20525 RB Size=1 Position=#0



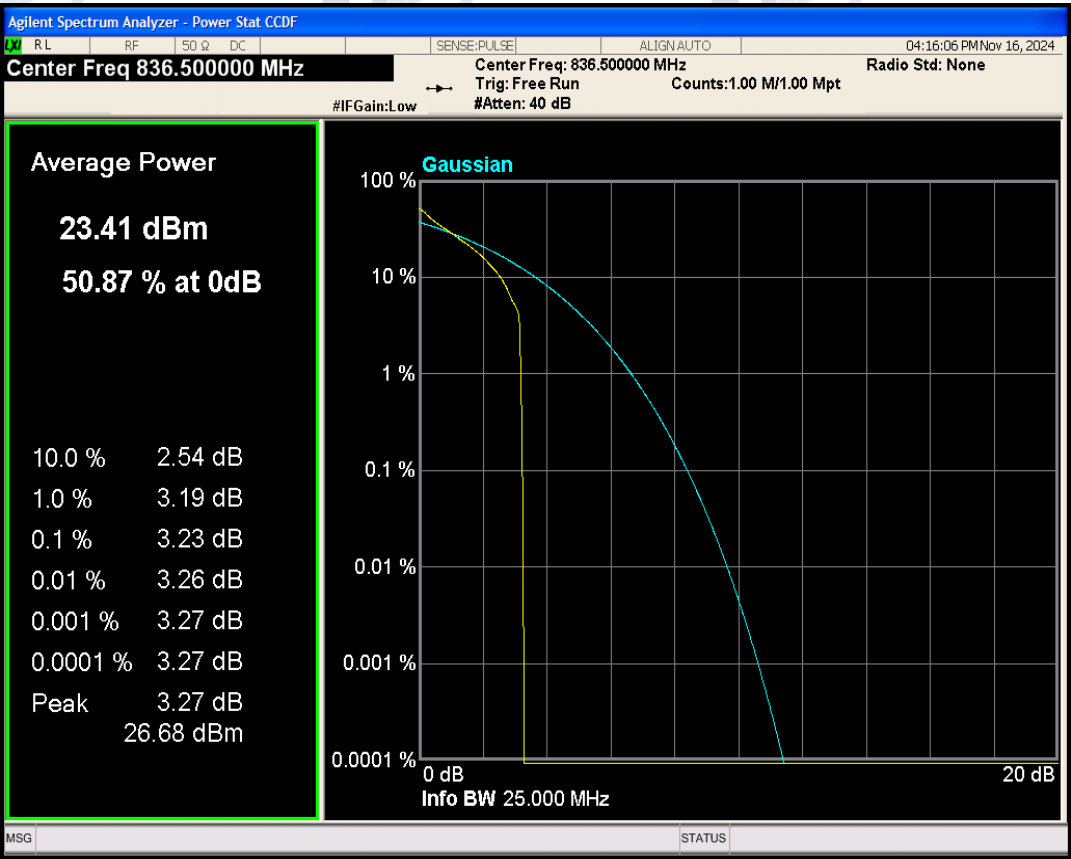
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



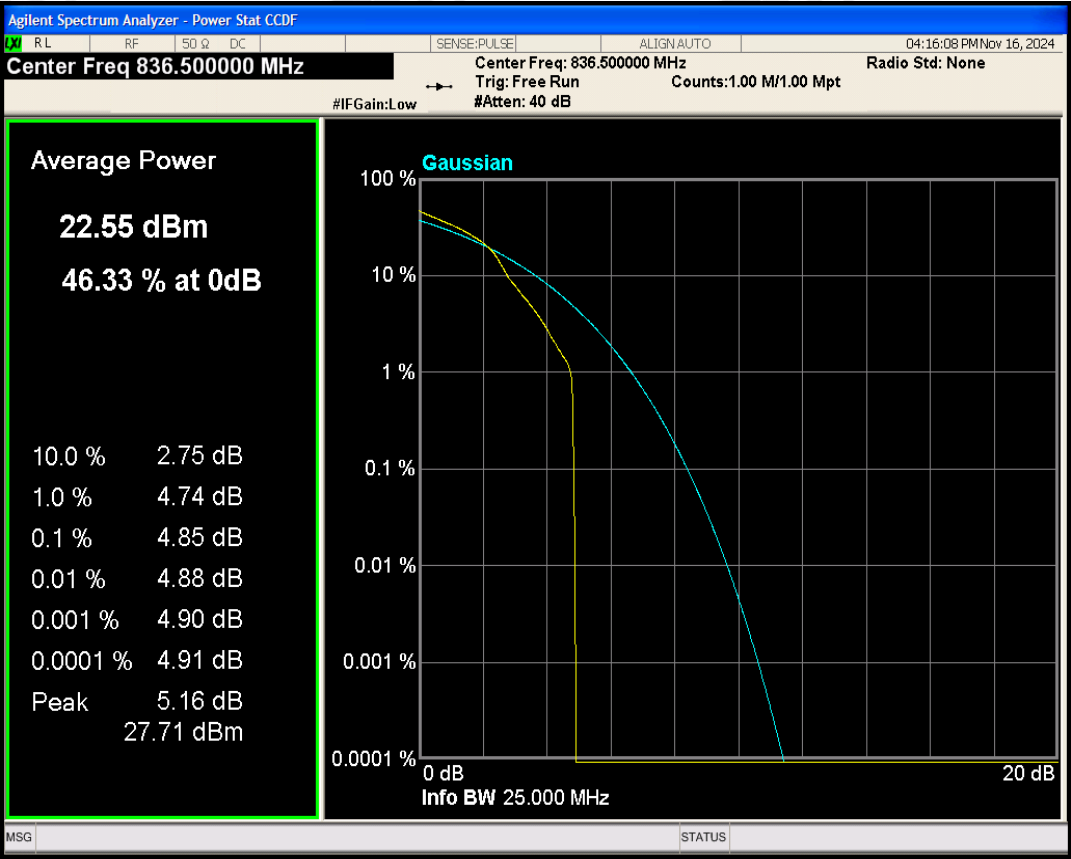
Band5 QAM16 BW=5MHz Channel=20525 RB Size=1 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



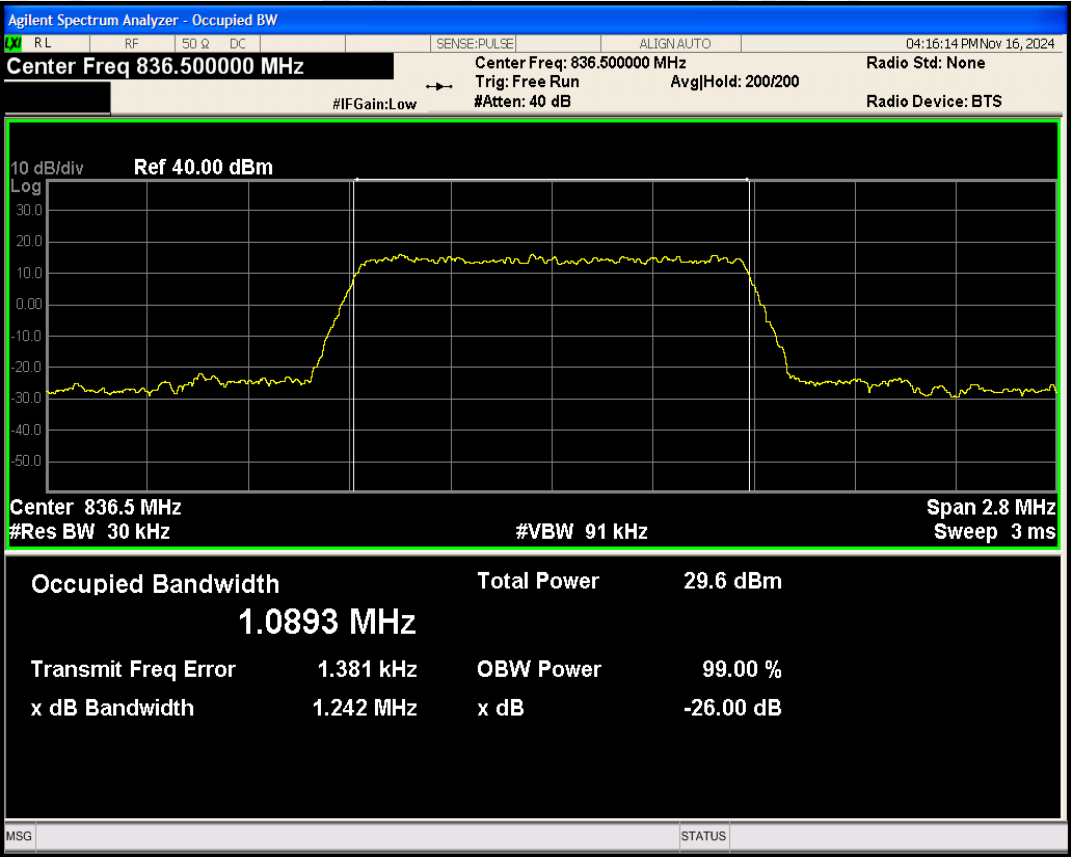
Band5 QAM16 BW=10MHz Channel=20525 RB Size=1 Position=#0



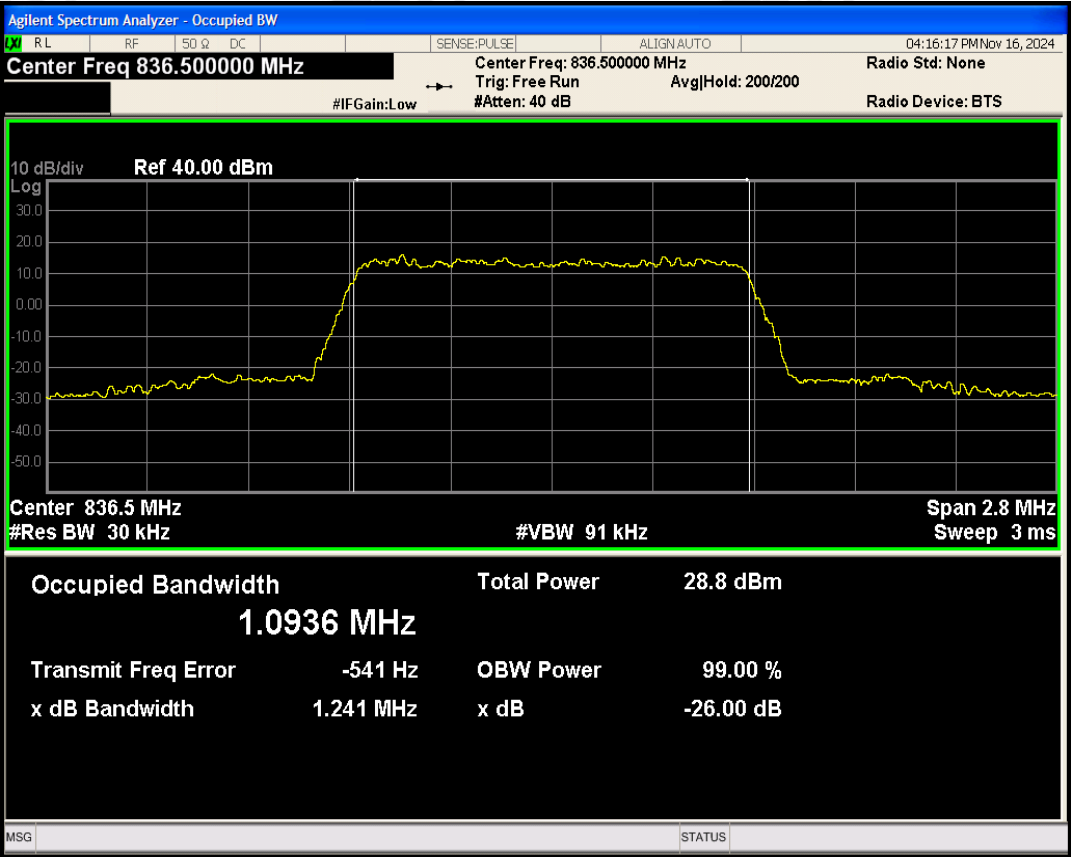
4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20525	6	#0	QPSK	1.089	1.242	PASS
Band5	1.4	20525	6	#0	QAM16	1.094	1.241	PASS
Band5	3	20525	15	#0	QPSK	2.701	2.994	PASS
Band5	3	20525	15	#0	QAM16	2.706	3.044	PASS
Band5	5	20525	25	#0	QPSK	4.527	4.960	PASS
Band5	5	20525	25	#0	QAM16	4.514	4.967	PASS
Band5	10	20525	50	#0	QPSK	9.015	9.889	PASS
Band5	10	20525	50	#0	QAM16	8.991	9.754	PASS

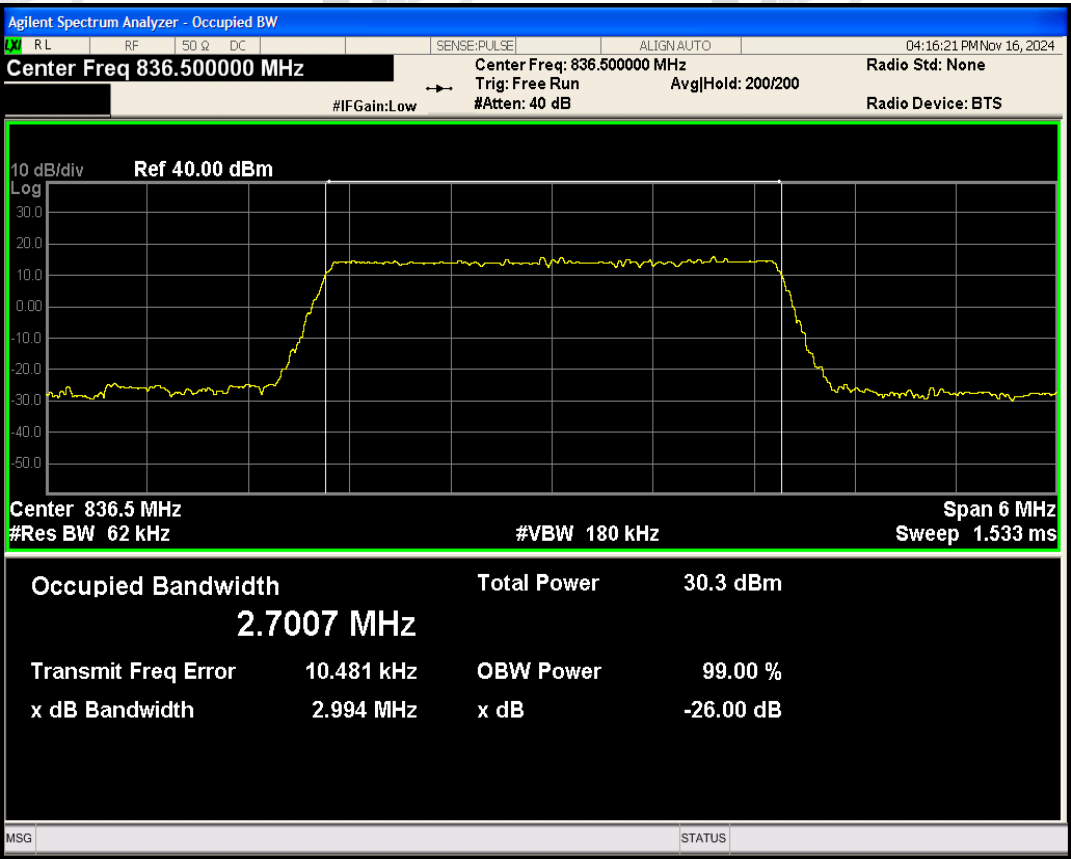
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



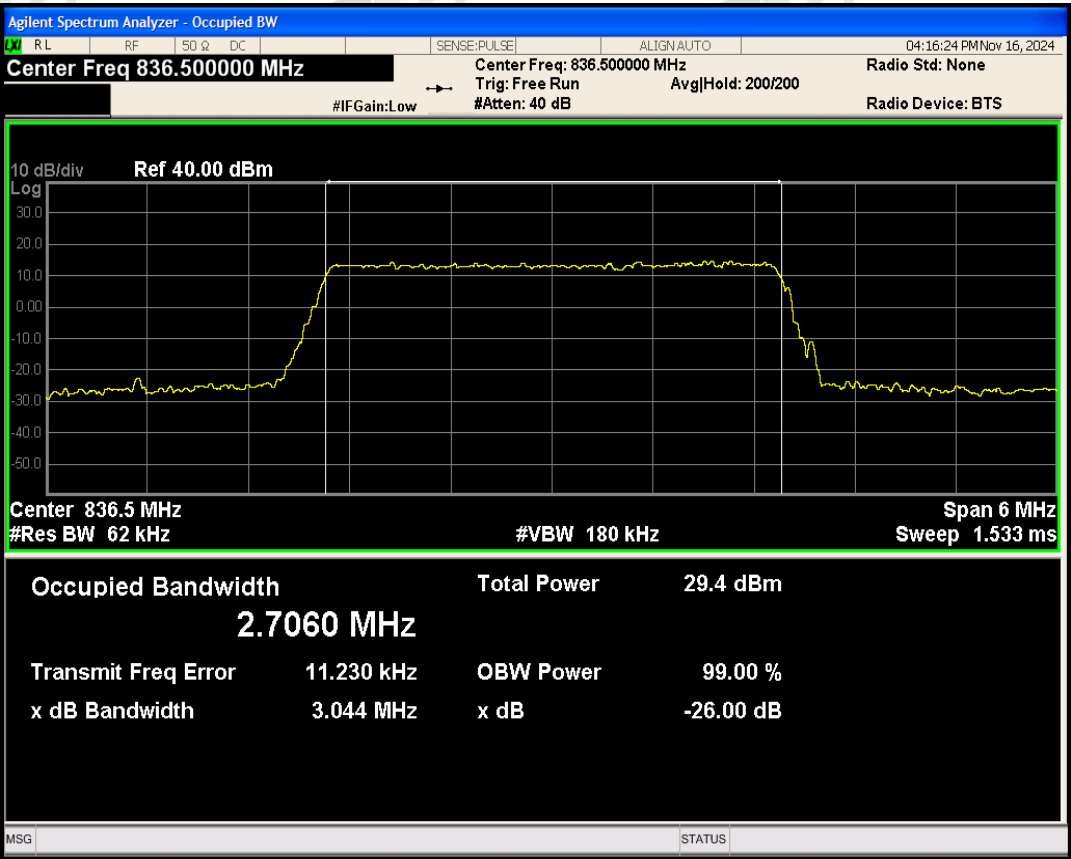
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



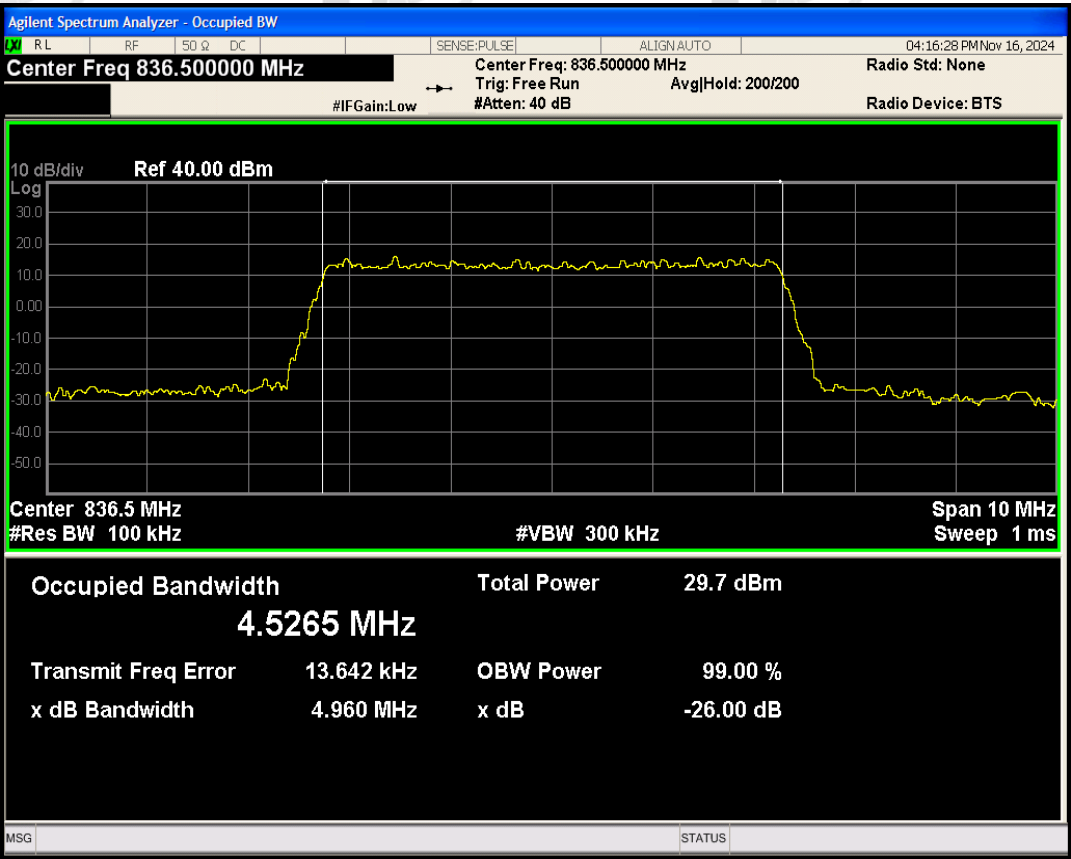
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



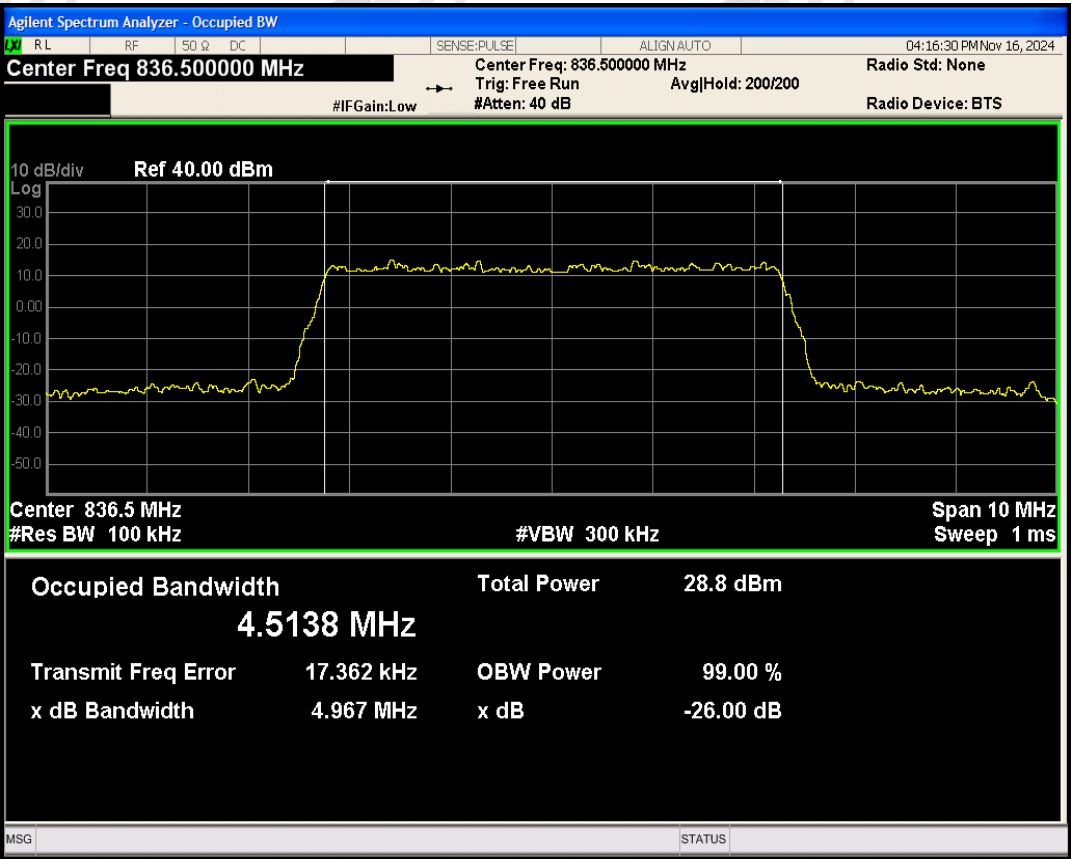
Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0



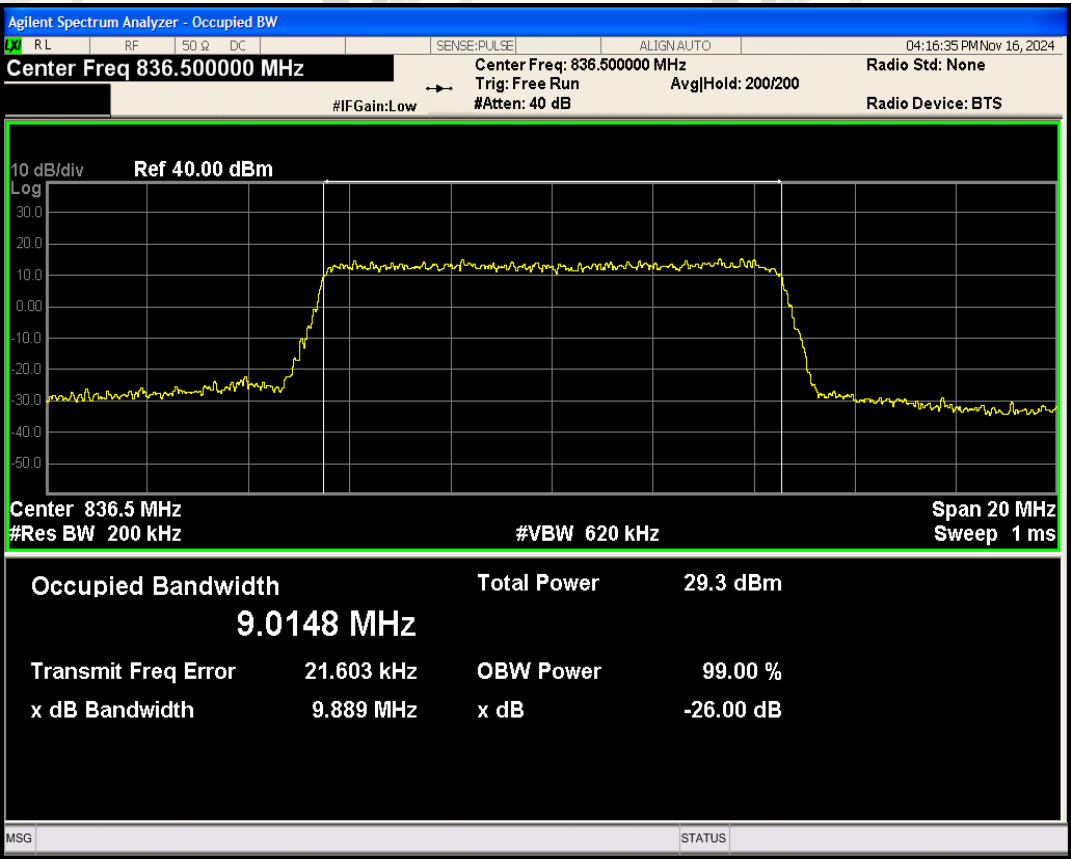
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



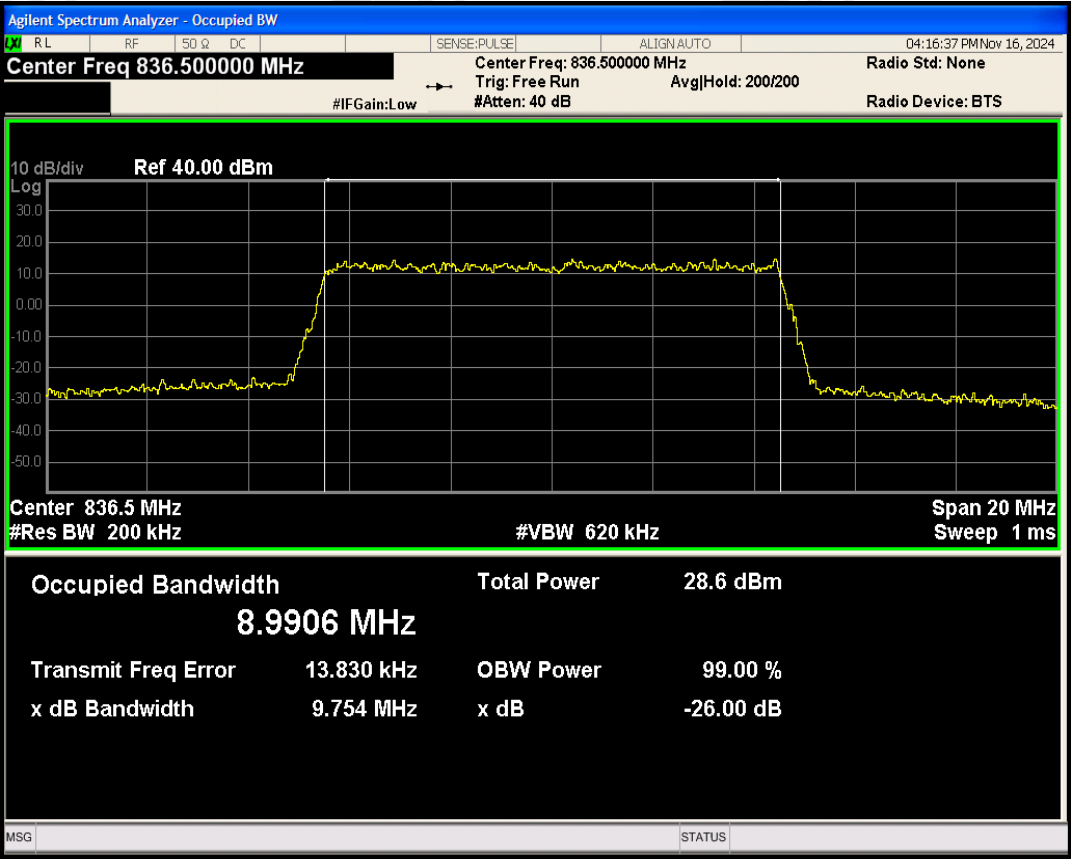
Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



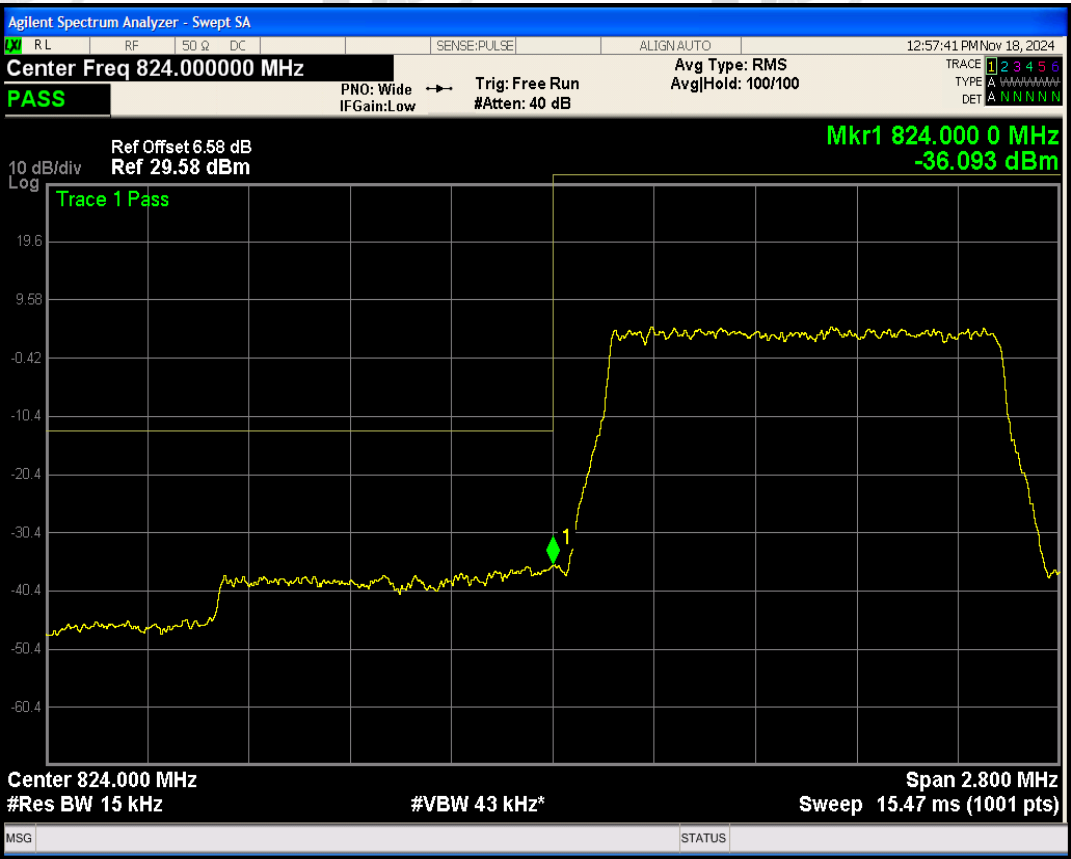
Band5 QAM16 BW=10MHz Channel=20525 RB Size=50 Position=#0



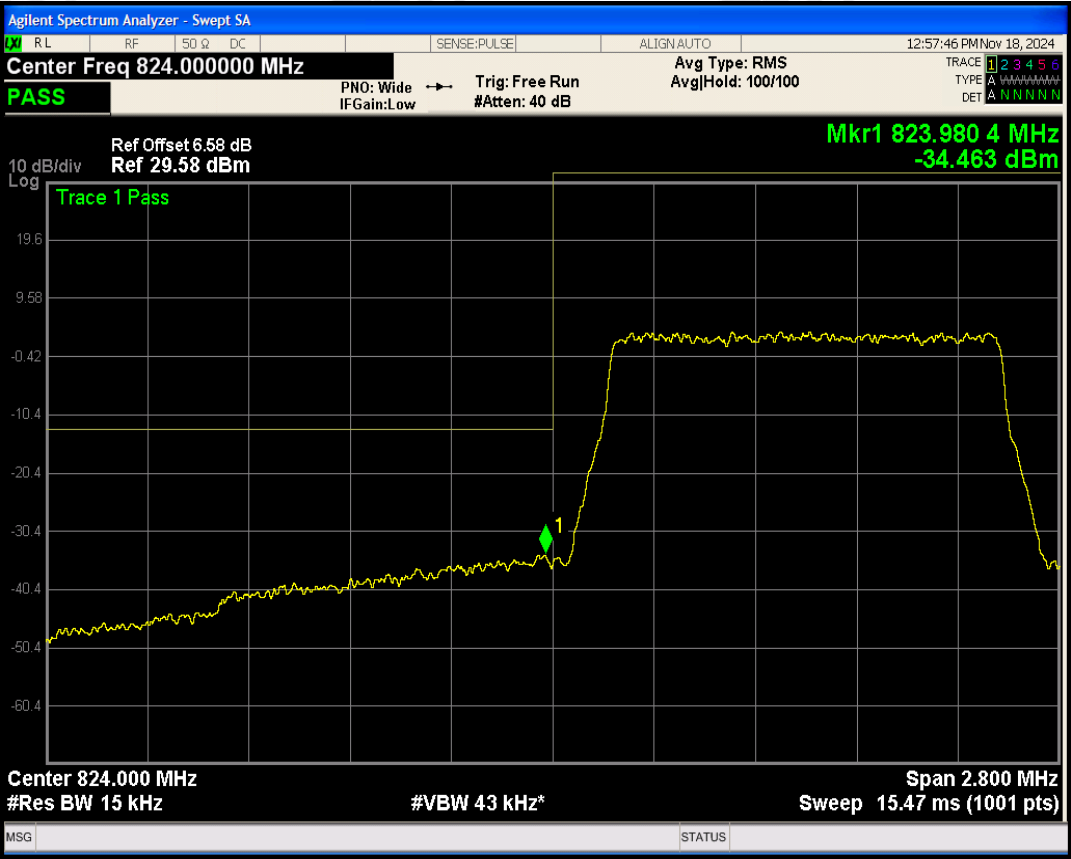
5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	824.00	-36.09	-13	PASS
Band5	1.4	20407	6	#0	QAM16	823.98	-34.46	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.80	-39.47	-13	PASS
Band5	1.4	20643	6	#0	QAM16	849.08	-37.68	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-26.14	-13	PASS
Band5	3	20415	15	#0	QAM16	824.00	-27.89	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-29.12	-13	PASS
Band5	3	20635	15	#0	QAM16	849.00	-30.46	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-29.82	-13	PASS
Band5	5	20425	25	#0	QAM16	824.00	-32.58	-13	PASS
Band5	5	20625	25	#0	QPSK	849.00	-29.14	-13	PASS
Band5	5	20625	25	#0	QAM16	849.00	-31.86	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-30.30	-13	PASS
Band5	10	20450	50	#0	QAM16	824.00	-34.44	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-32.67	-13	PASS
Band5	10	20600	50	#0	QAM16	849.06	-36.09	-13	PASS

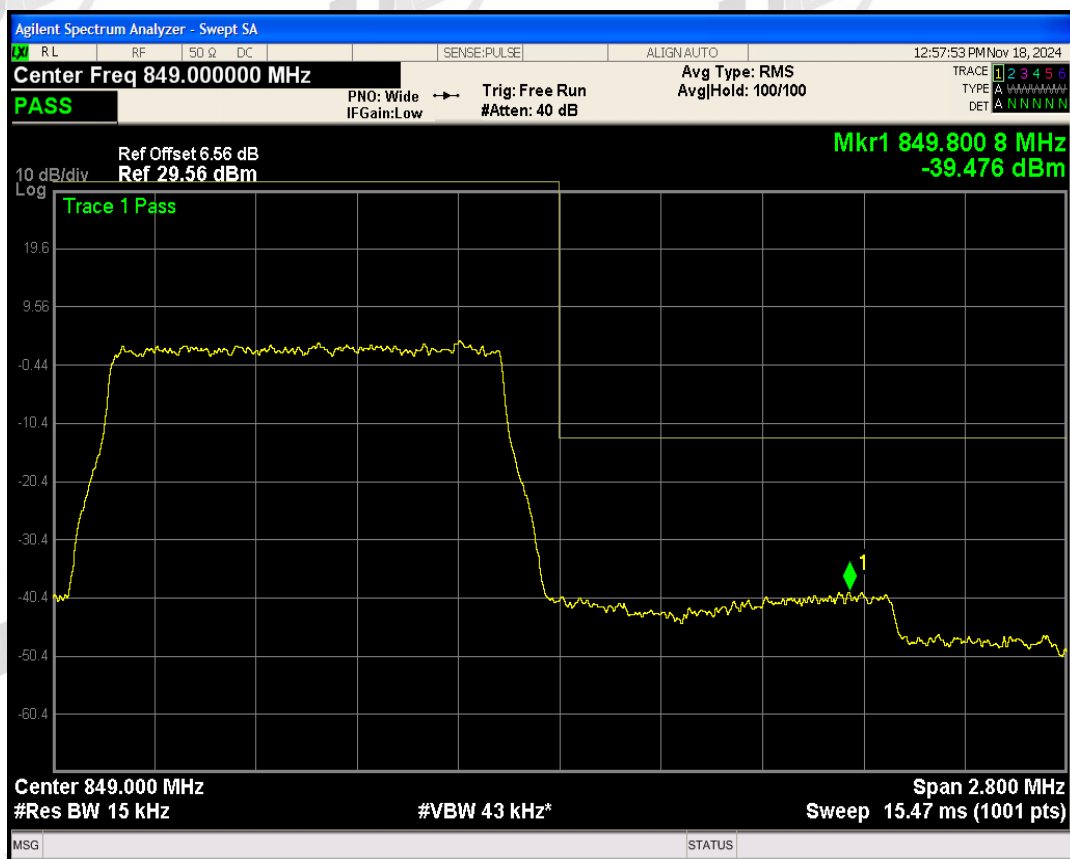
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



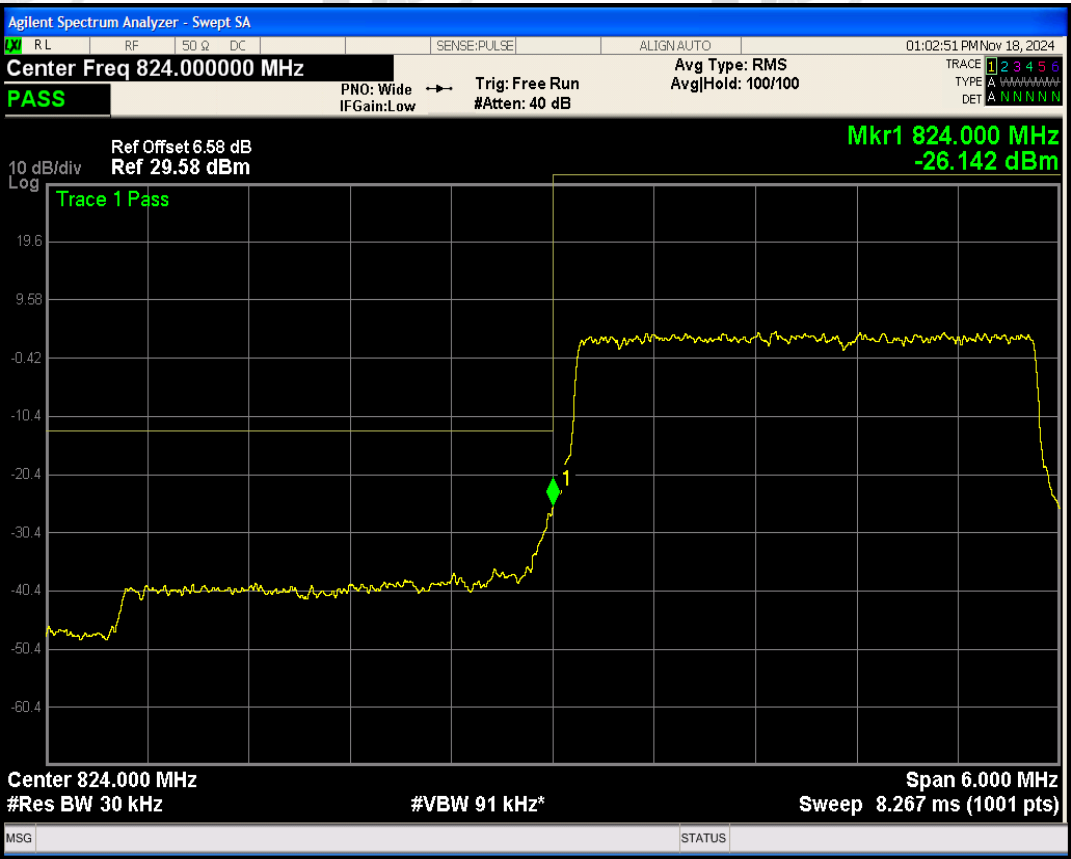
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



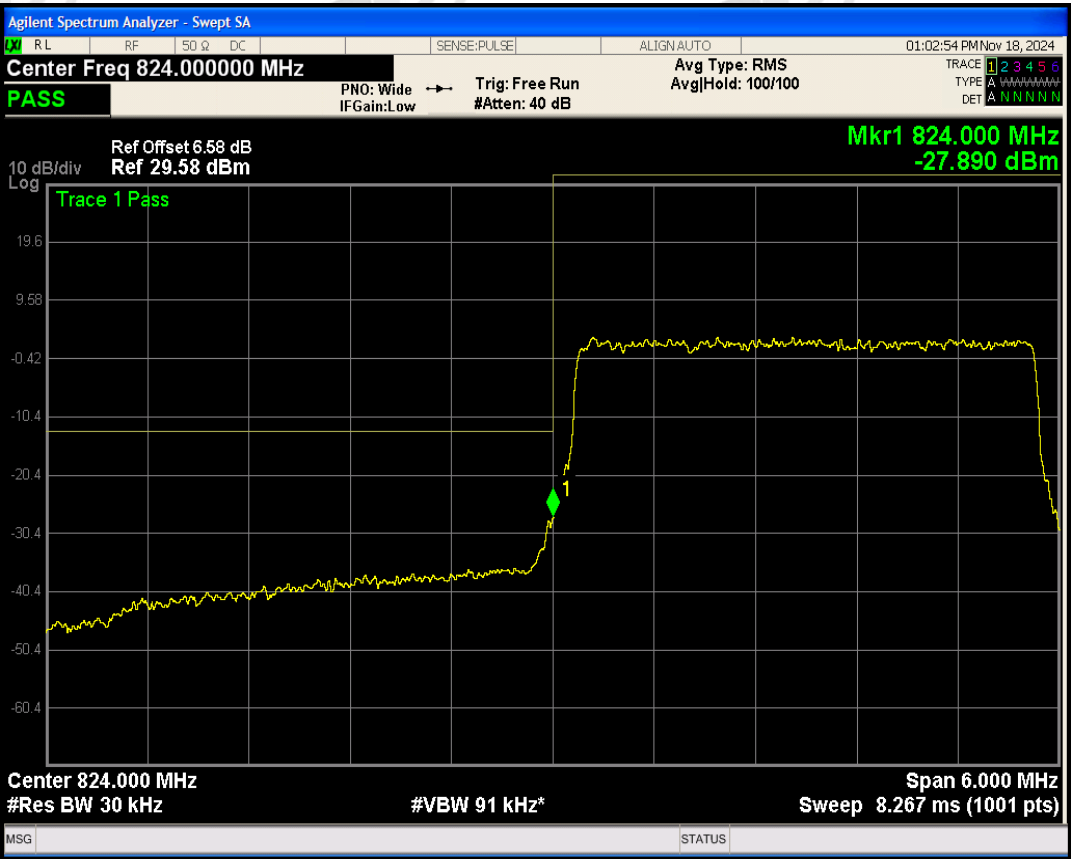
Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



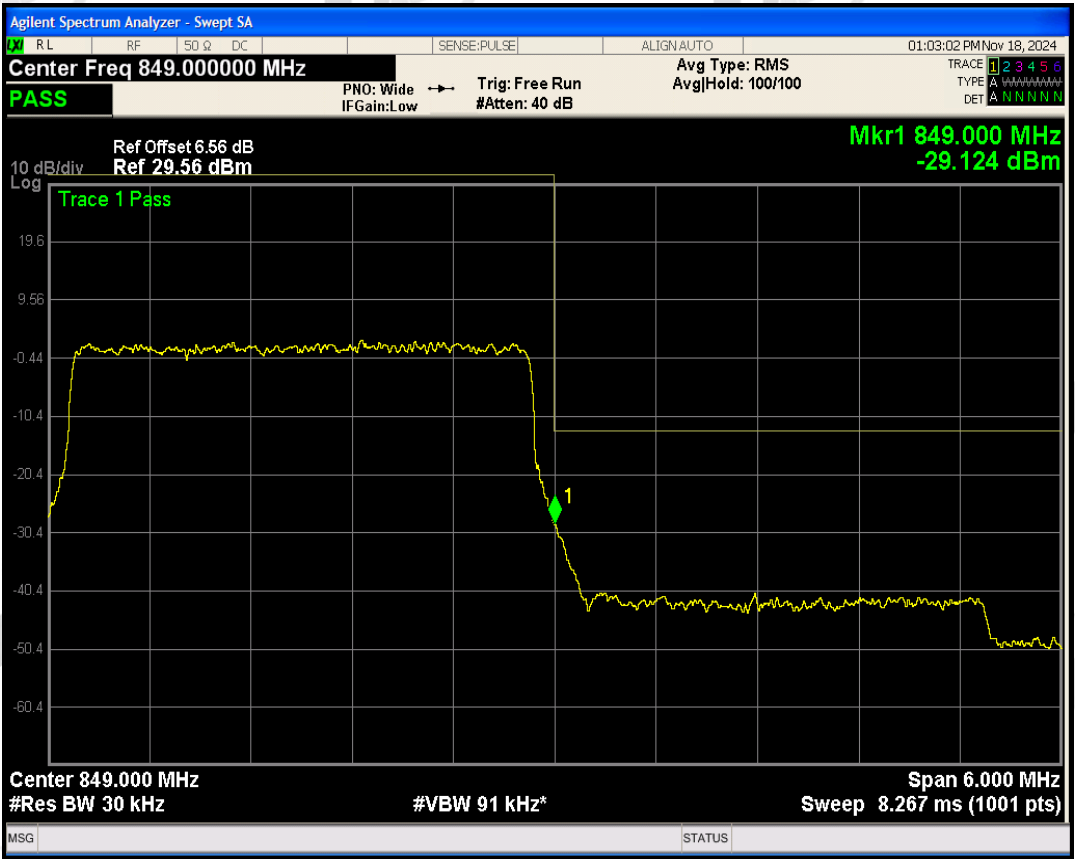
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



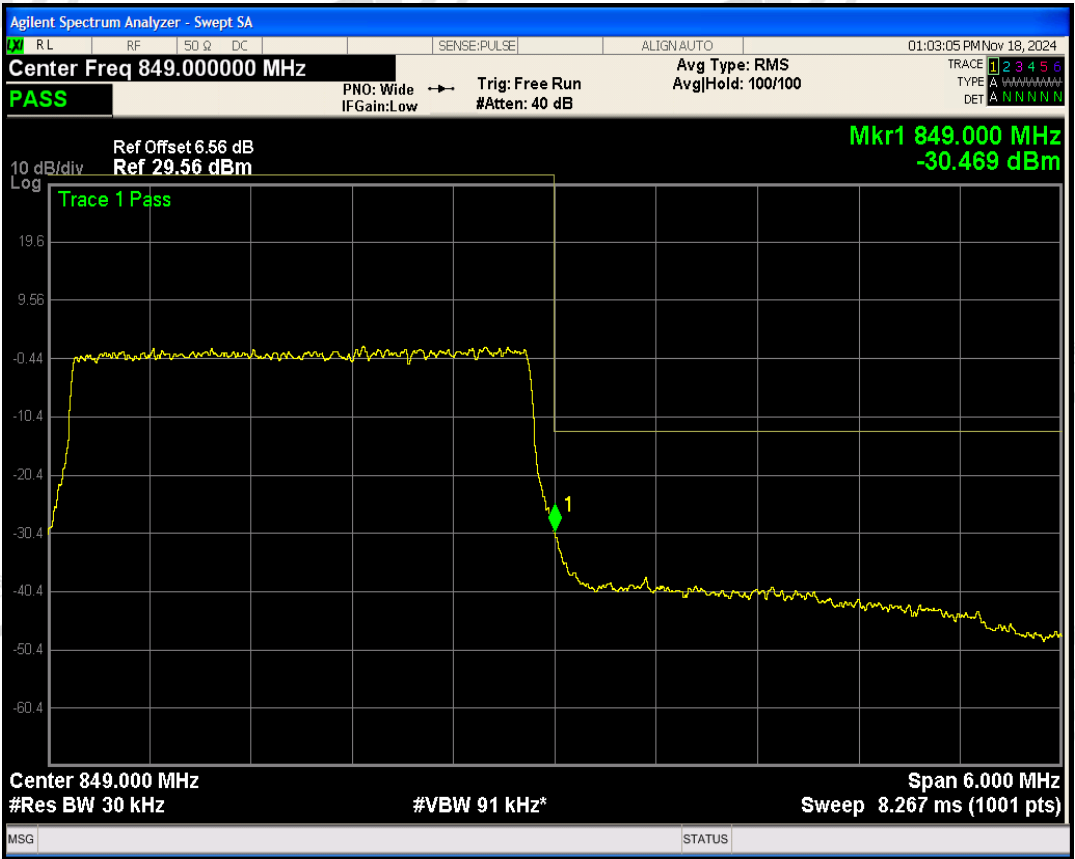
Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



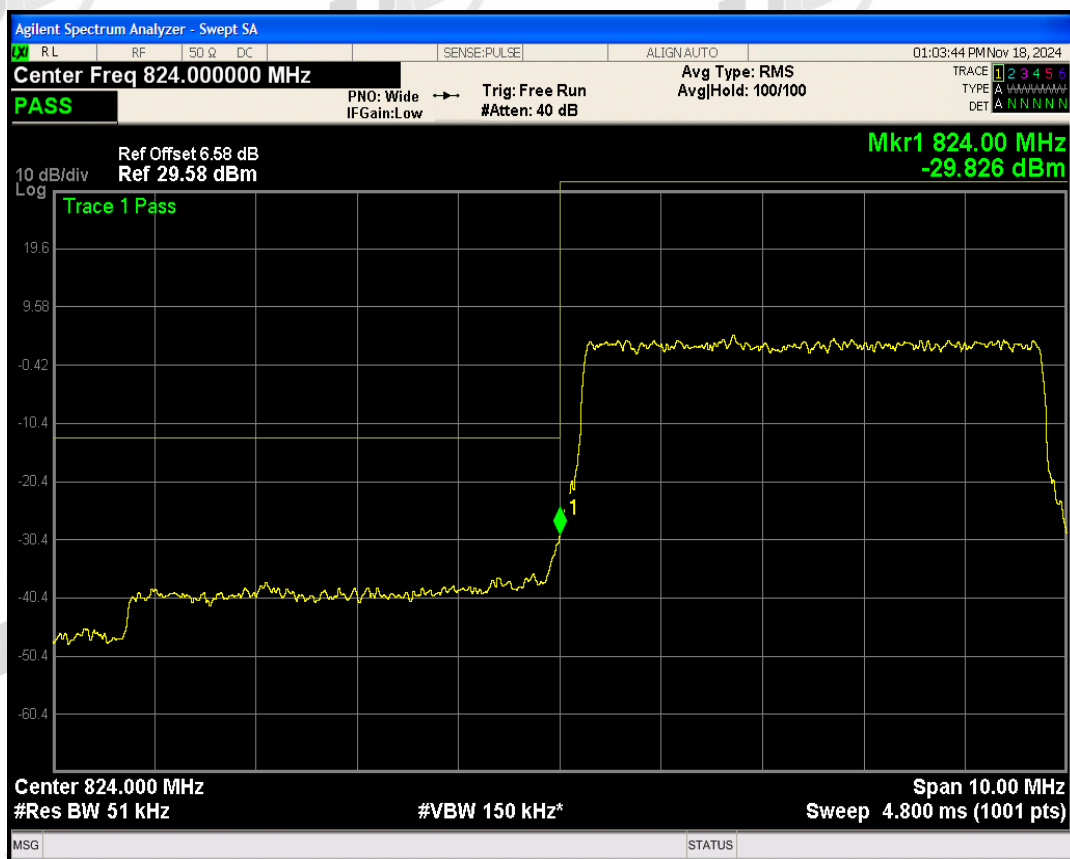
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



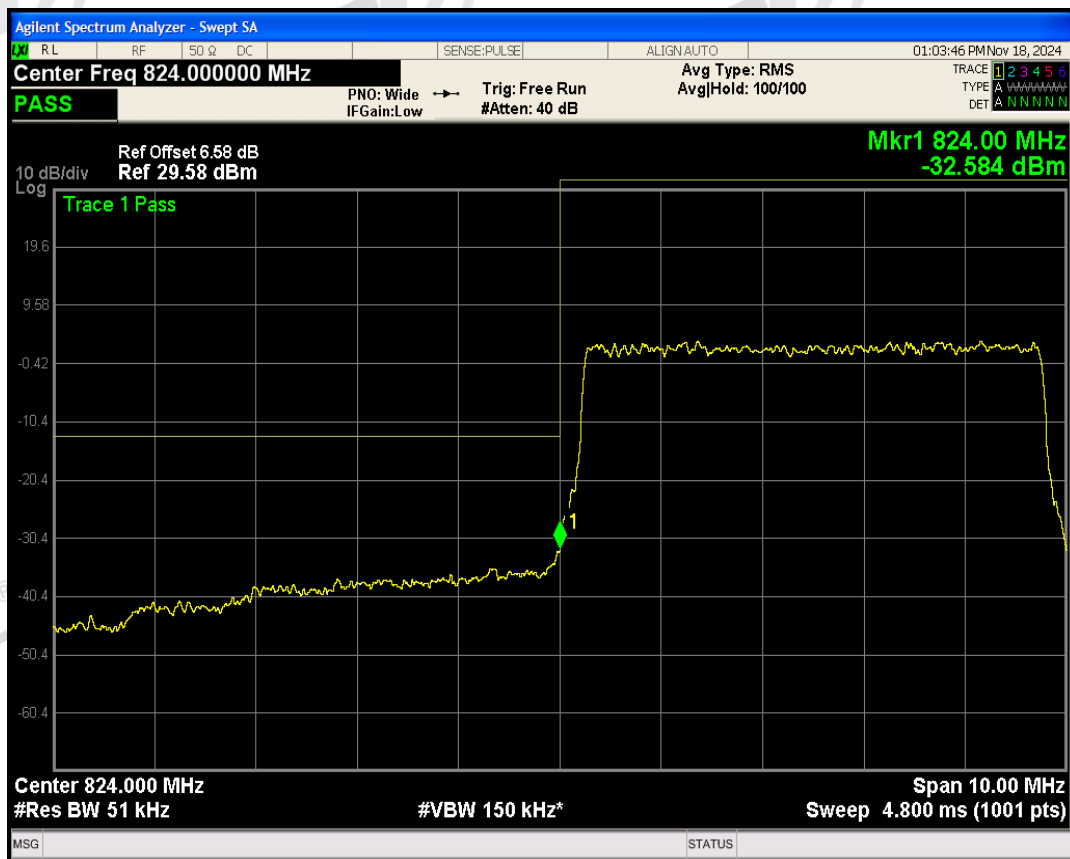
Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



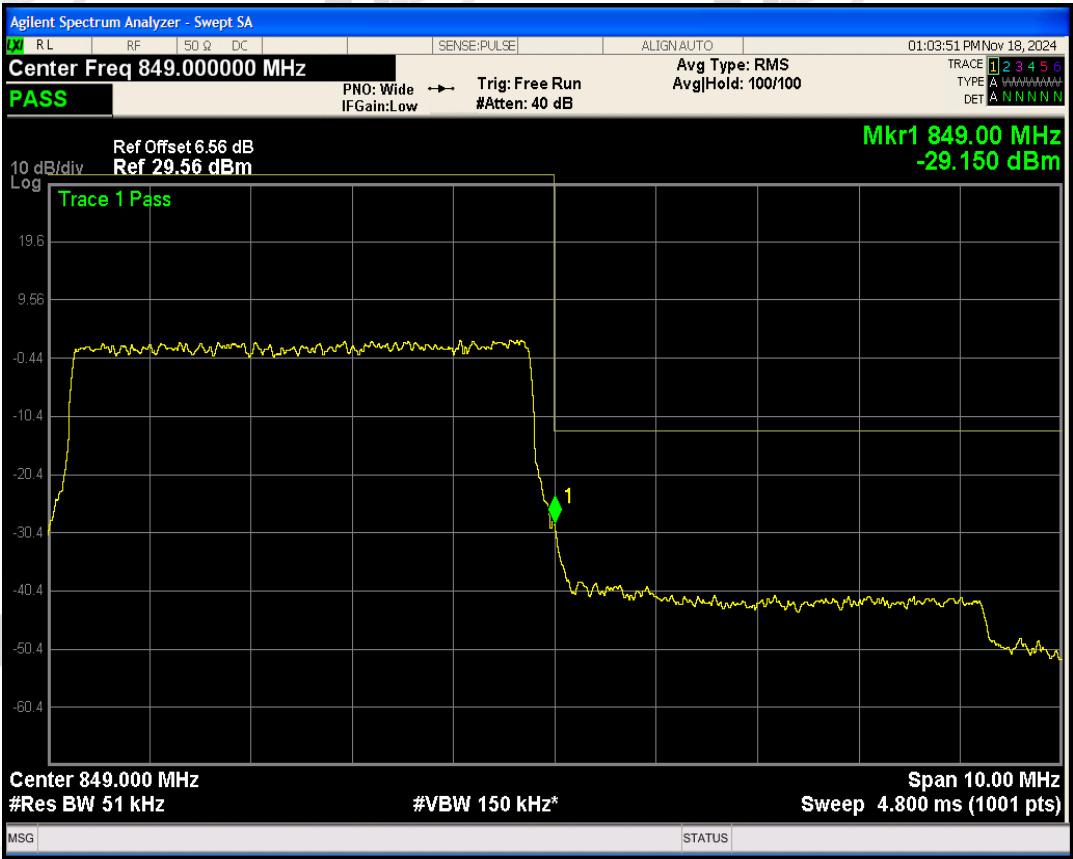
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



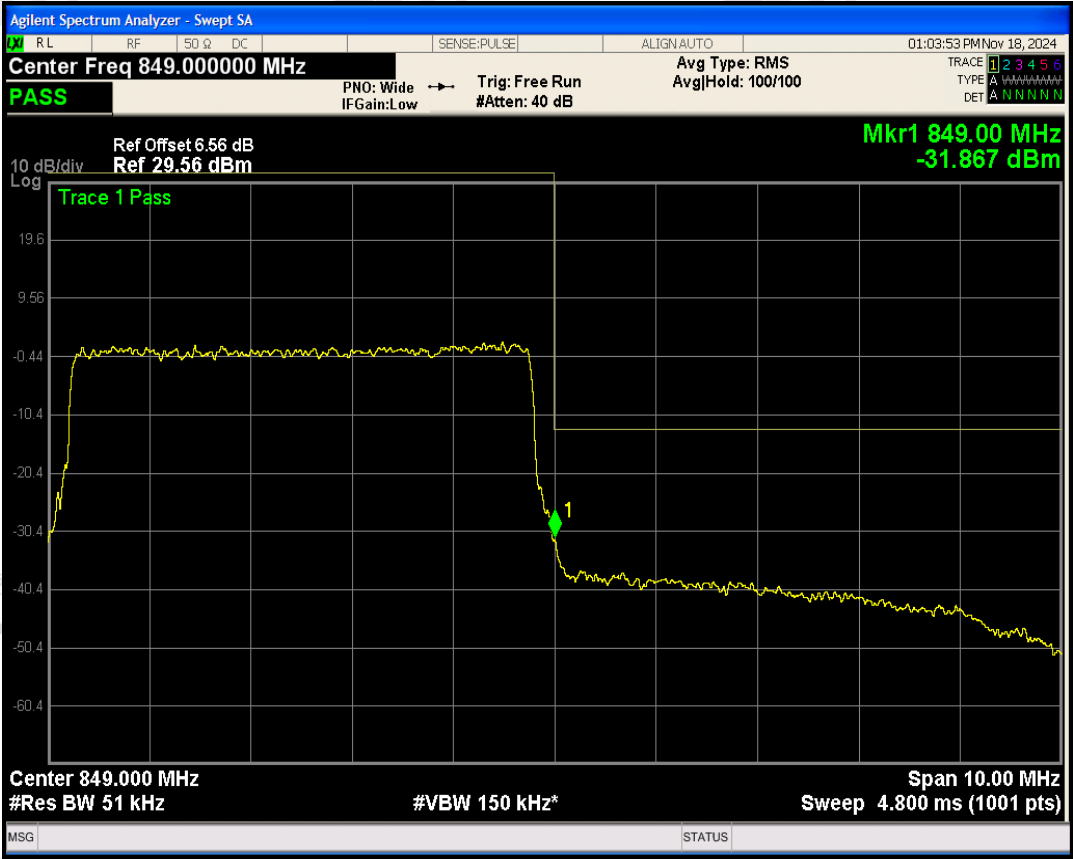
Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



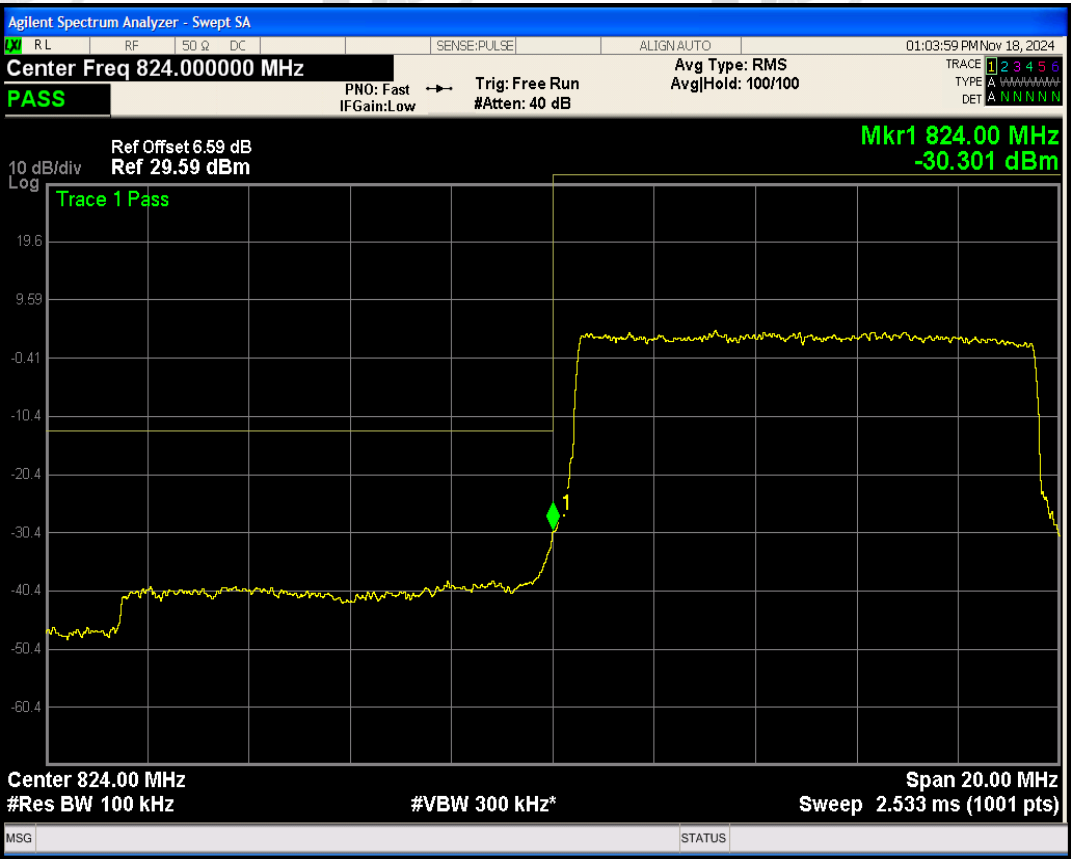
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



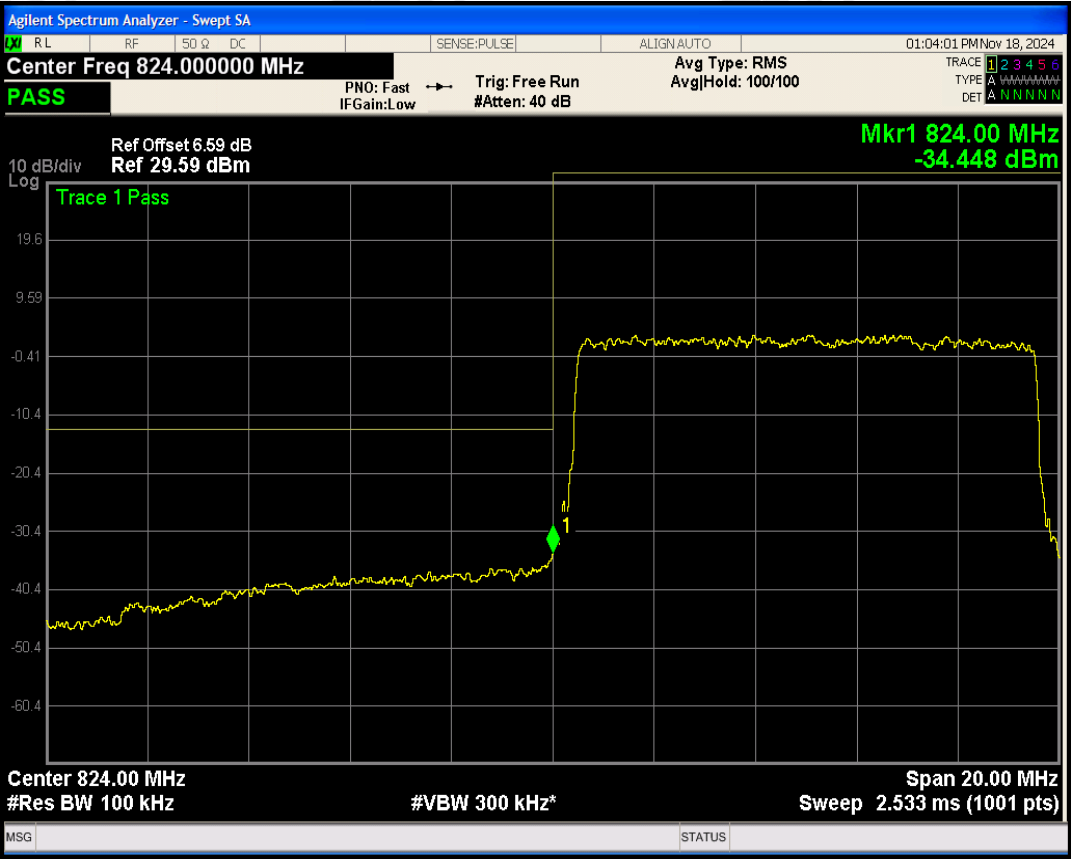
Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



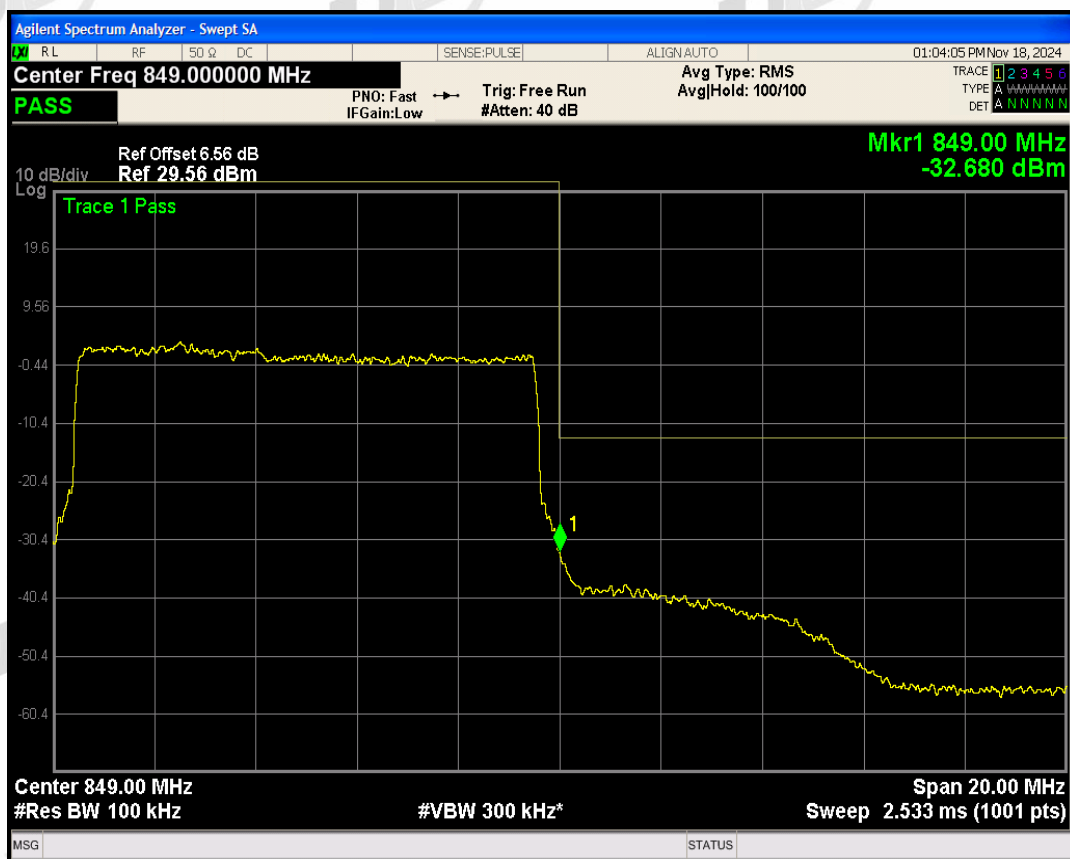
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



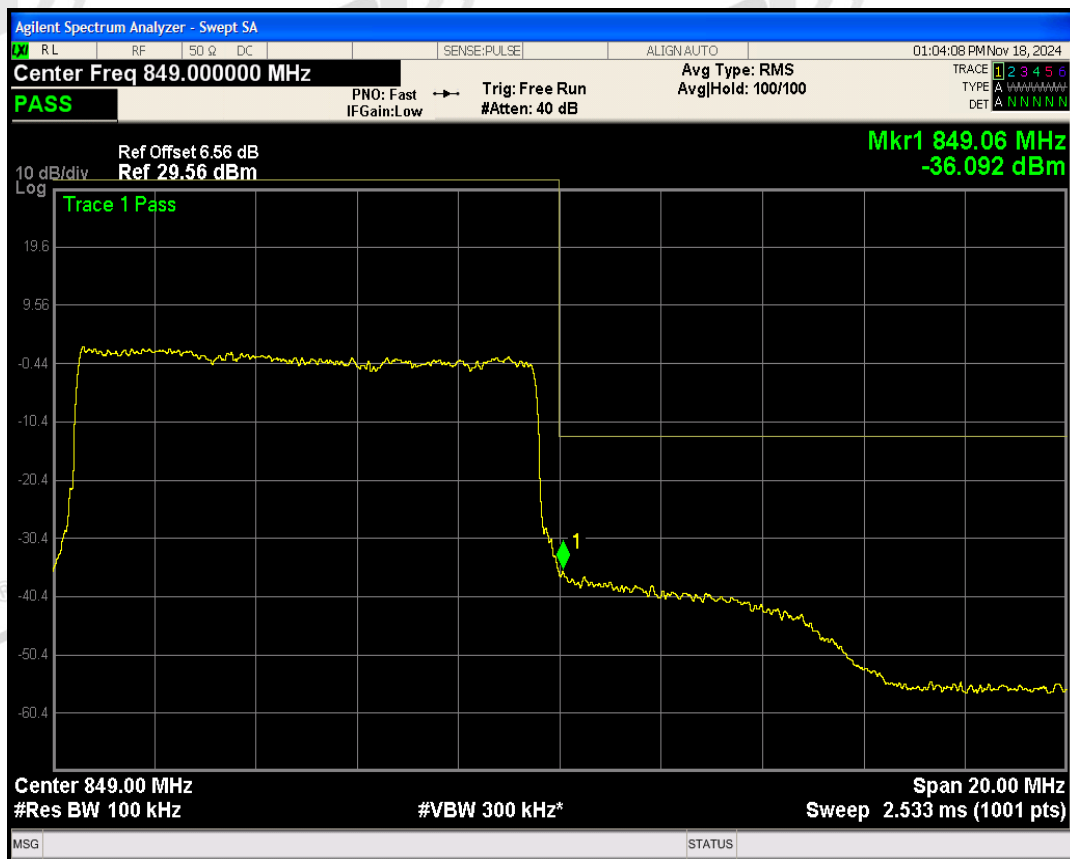
Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0



Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



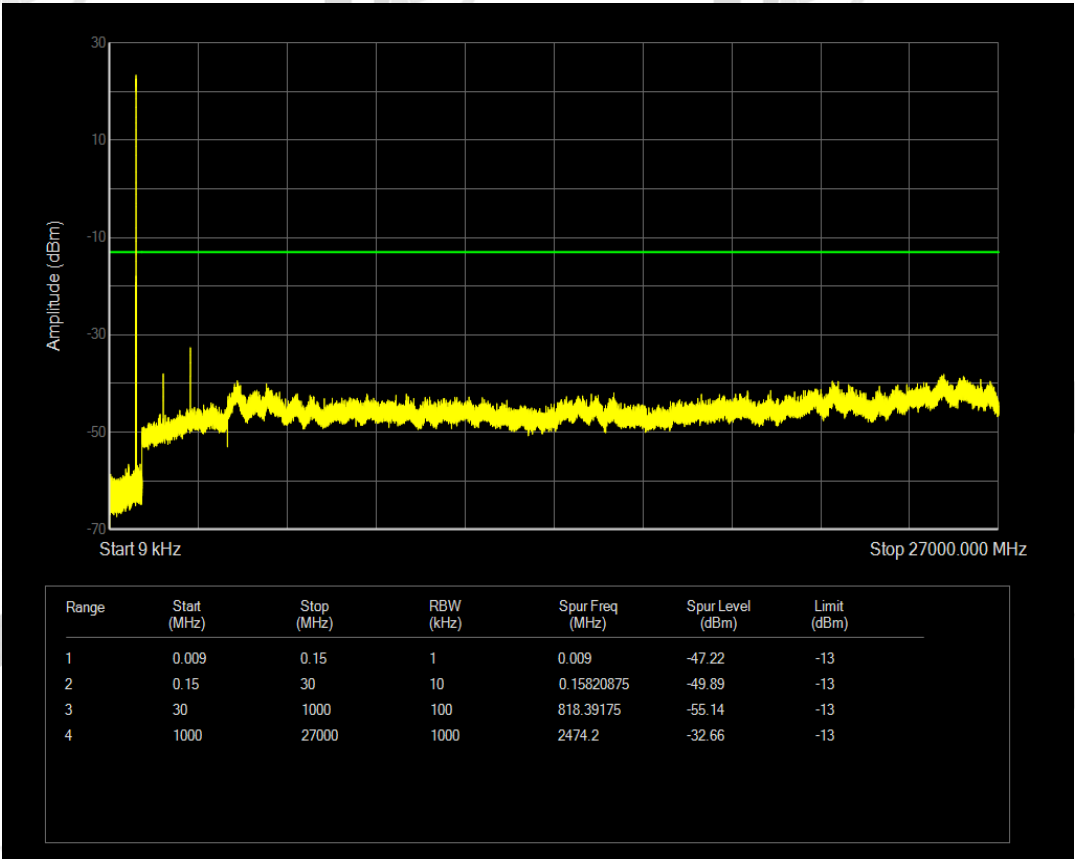
Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0



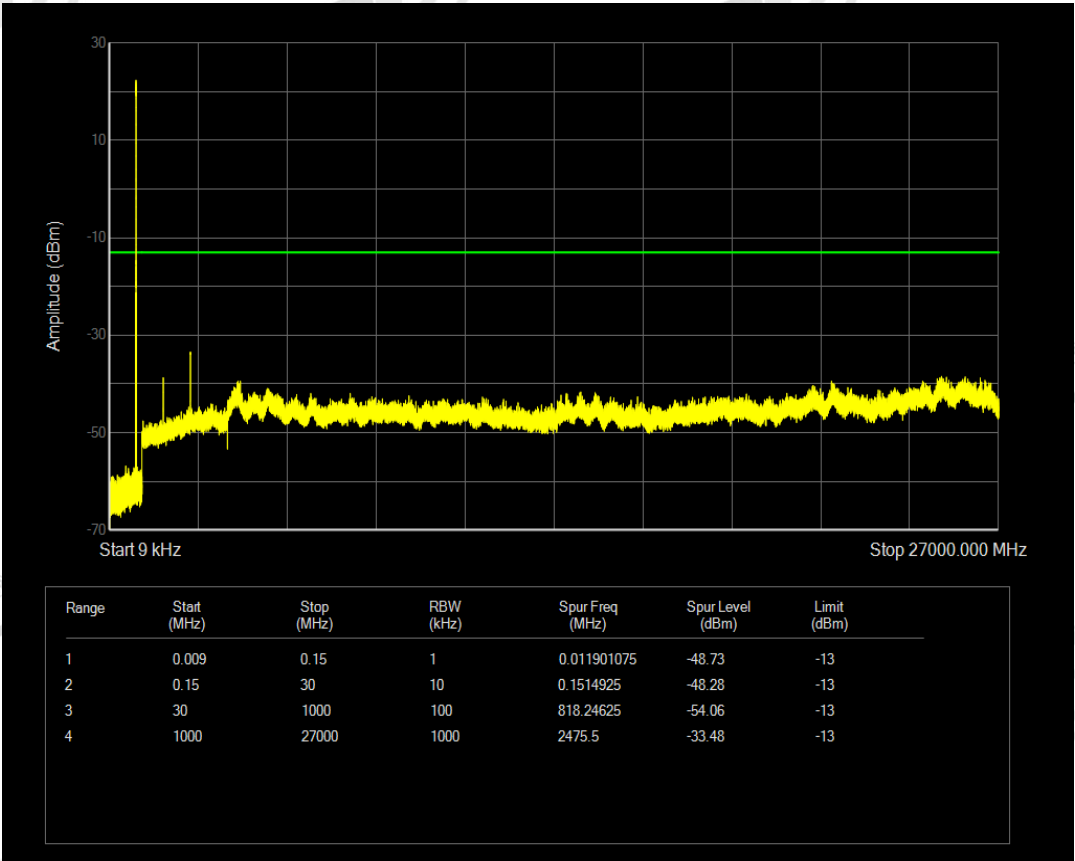
6 Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	2474.20	-32.66	-13	PASS
Band5	1.4	20407	6	#0	QAM16	2475.50	-33.48	-13	PASS
Band5	1.4	20643	6	#0	QPSK	2545.05	-35.91	-13	PASS
Band5	1.4	20643	6	#0	QAM16	2545.70	-33.97	-13	PASS
Band5	3	20415	15	#0	QPSK	2476.80	-33.79	-13	PASS
Band5	3	20415	15	#0	QAM16	2476.15	-37.11	-13	PASS
Band5	3	20635	15	#0	QPSK	25304.80	-38.22	-13	PASS
Band5	3	20635	15	#0	QAM16	2543.75	-37.31	-13	PASS
Band5	5	20425	25	#0	QPSK	25843.65	-37.53	-13	PASS
Band5	5	20425	25	#0	QAM16	25403.60	-38.29	-13	PASS
Band5	5	20625	25	#0	QPSK	25445.85	-37.99	-13	PASS
Band5	5	20625	25	#0	QAM16	25853.40	-37.76	-13	PASS
Band5	10	20450	50	#0	QPSK	25307.40	-37.24	-13	PASS
Band5	10	20450	50	#0	QAM16	25939.85	-37.28	-13	PASS
Band5	10	20600	50	#0	QPSK	26006.15	-37.52	-13	PASS
Band5	10	20600	50	#0	QAM16	3924.35	-38.24	-13	PASS

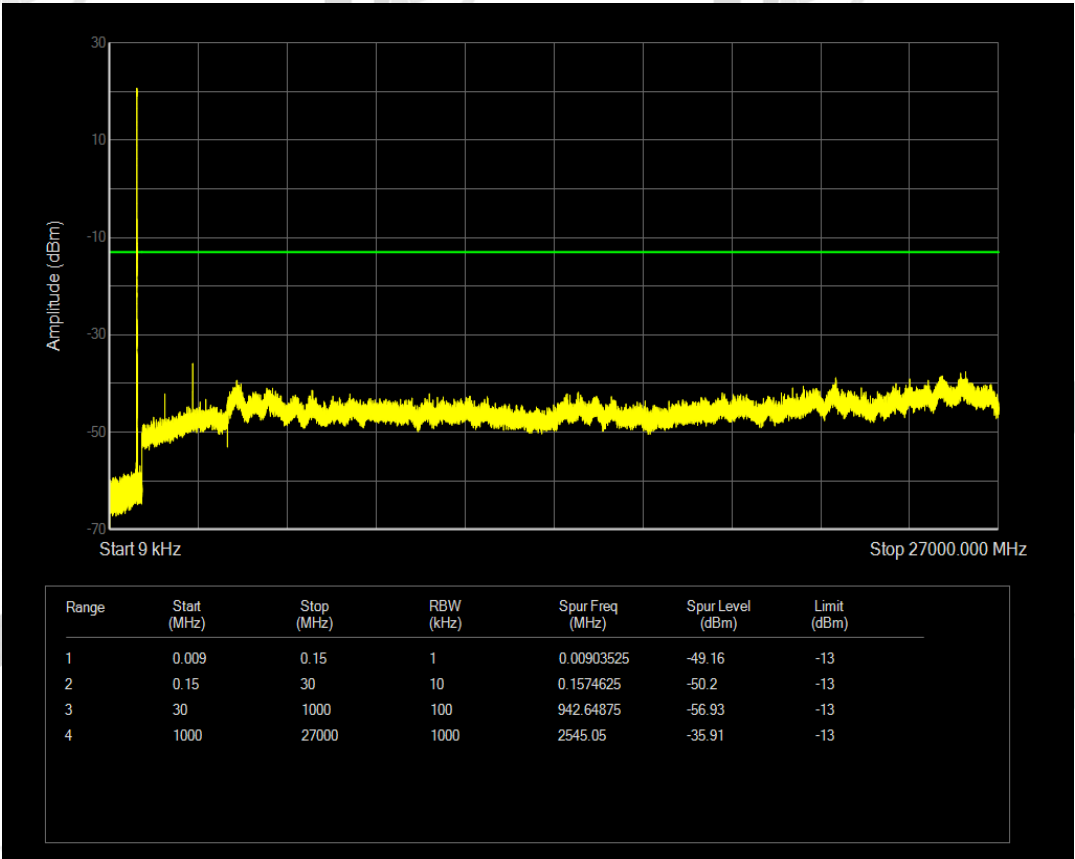
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



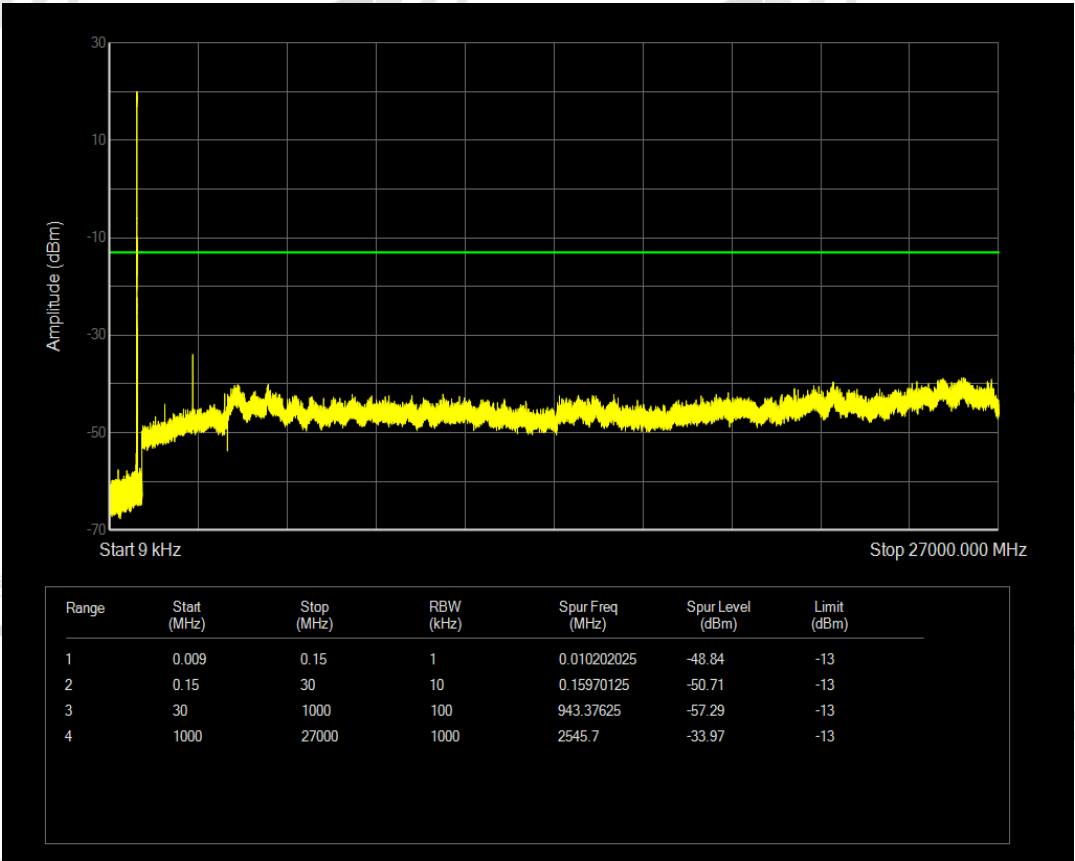
Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



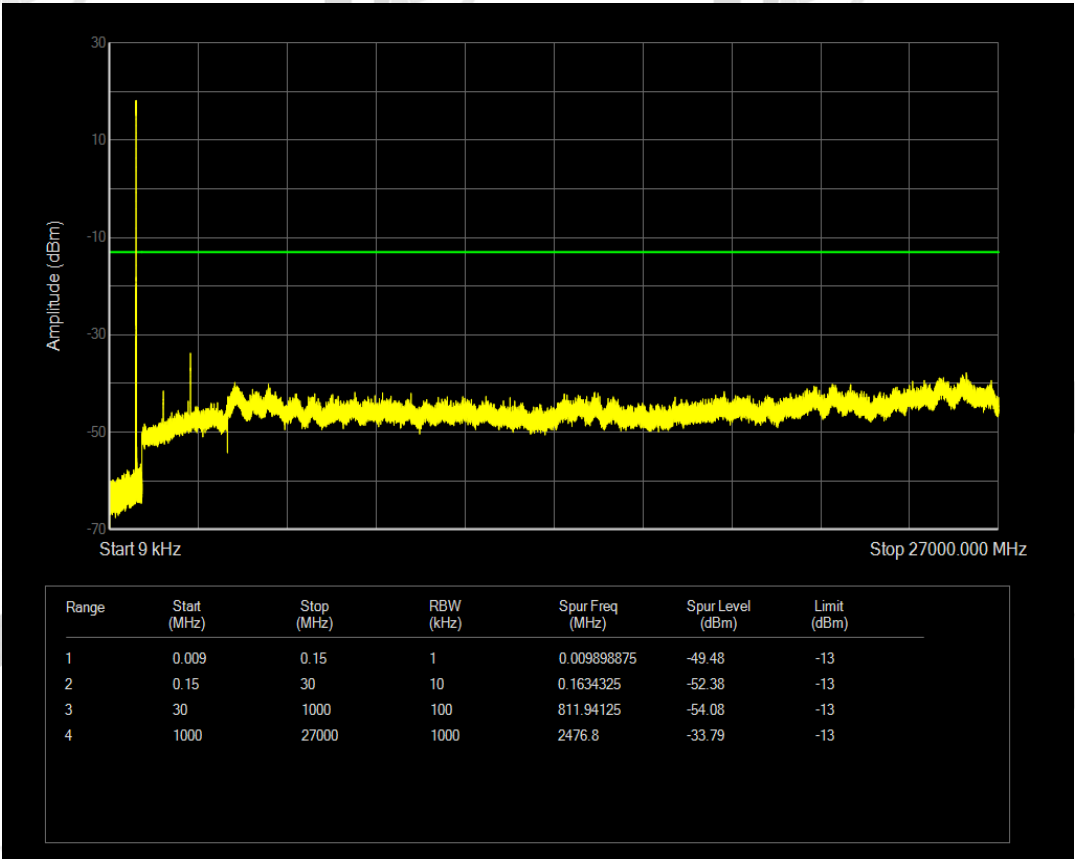
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



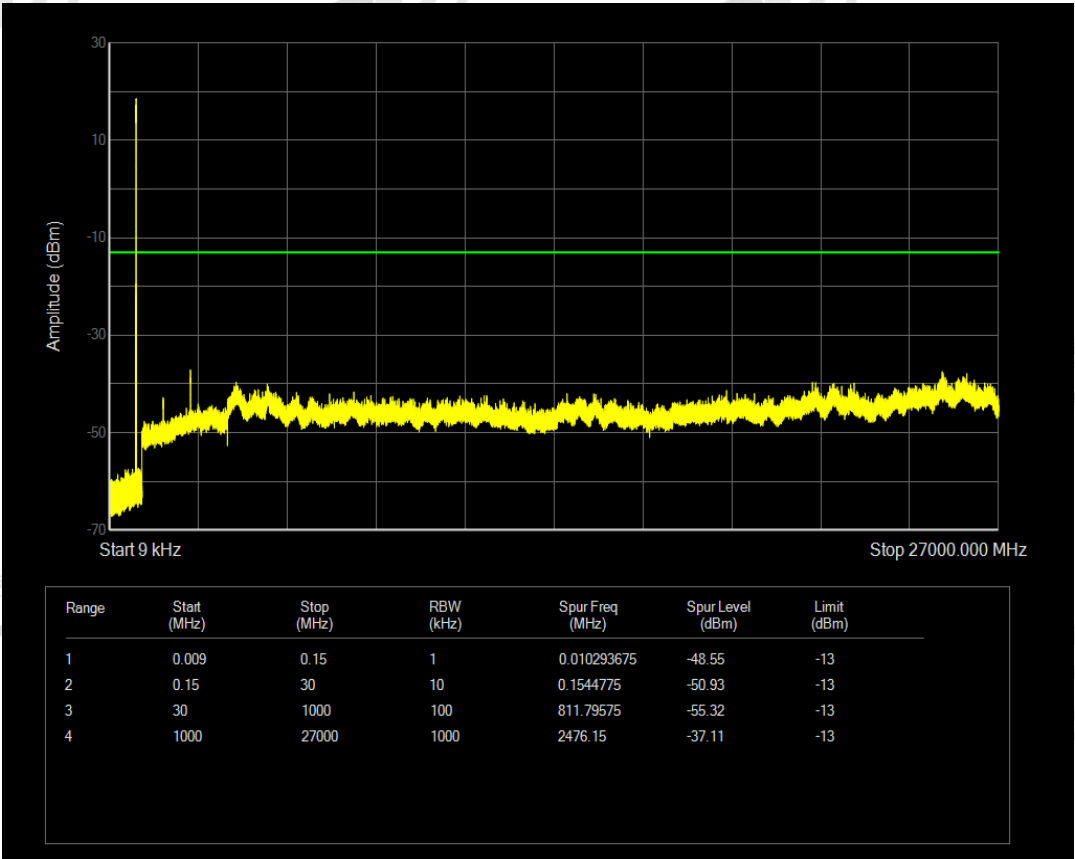
Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



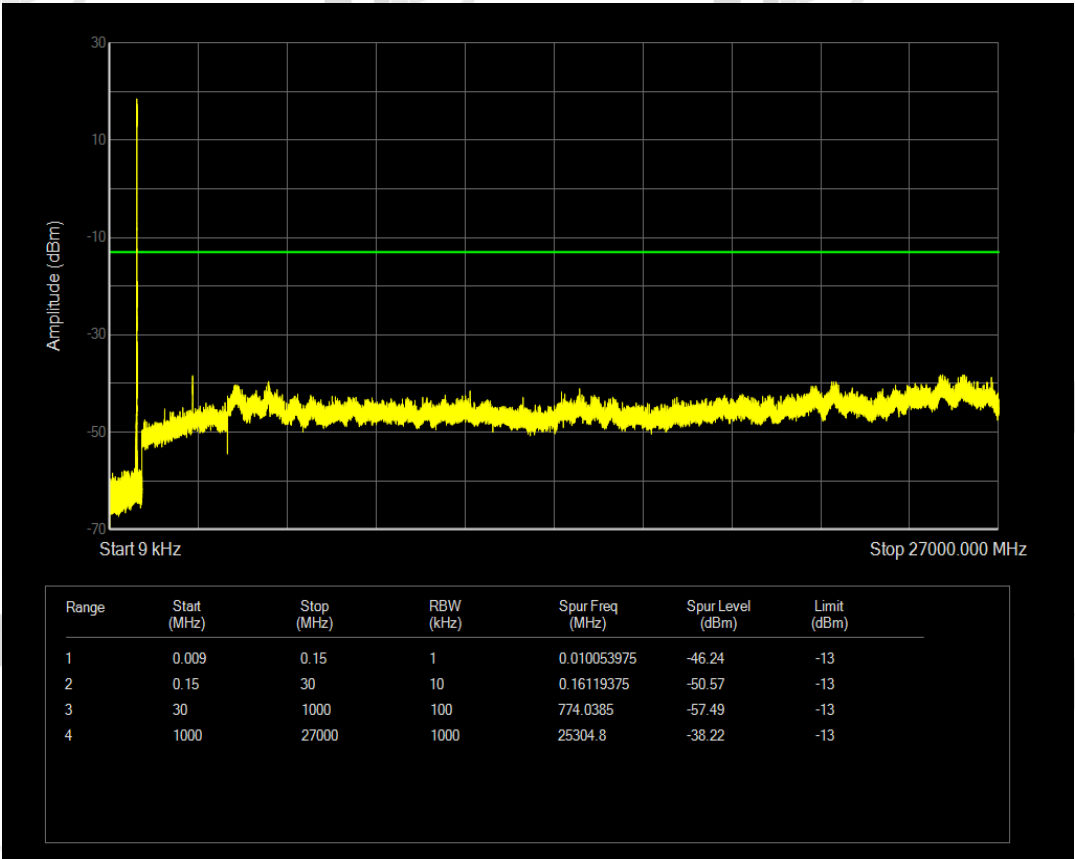
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



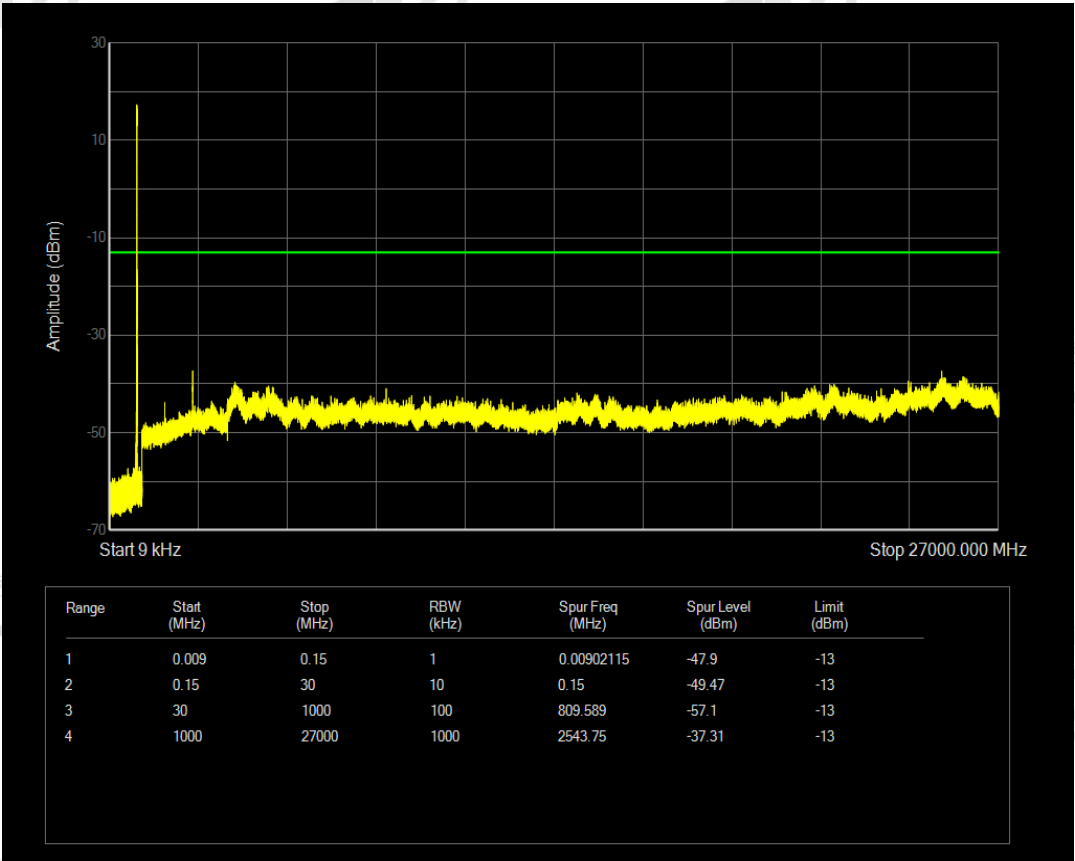
Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



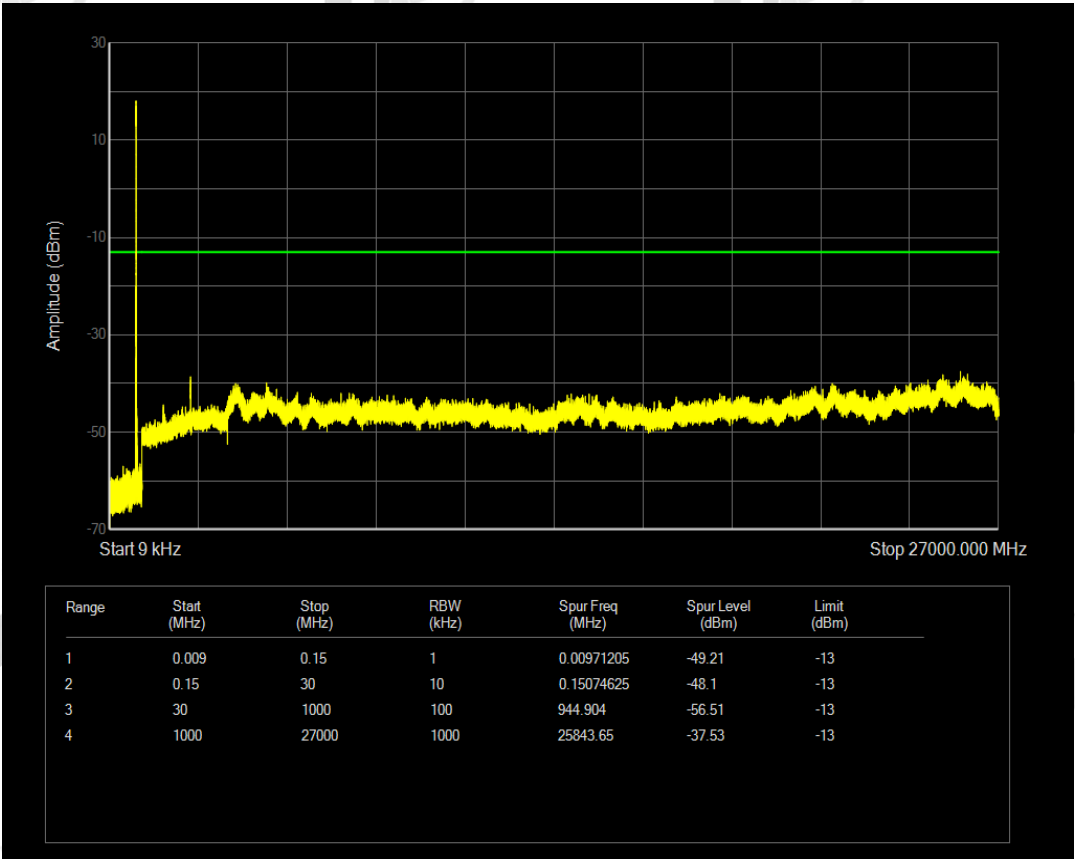
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



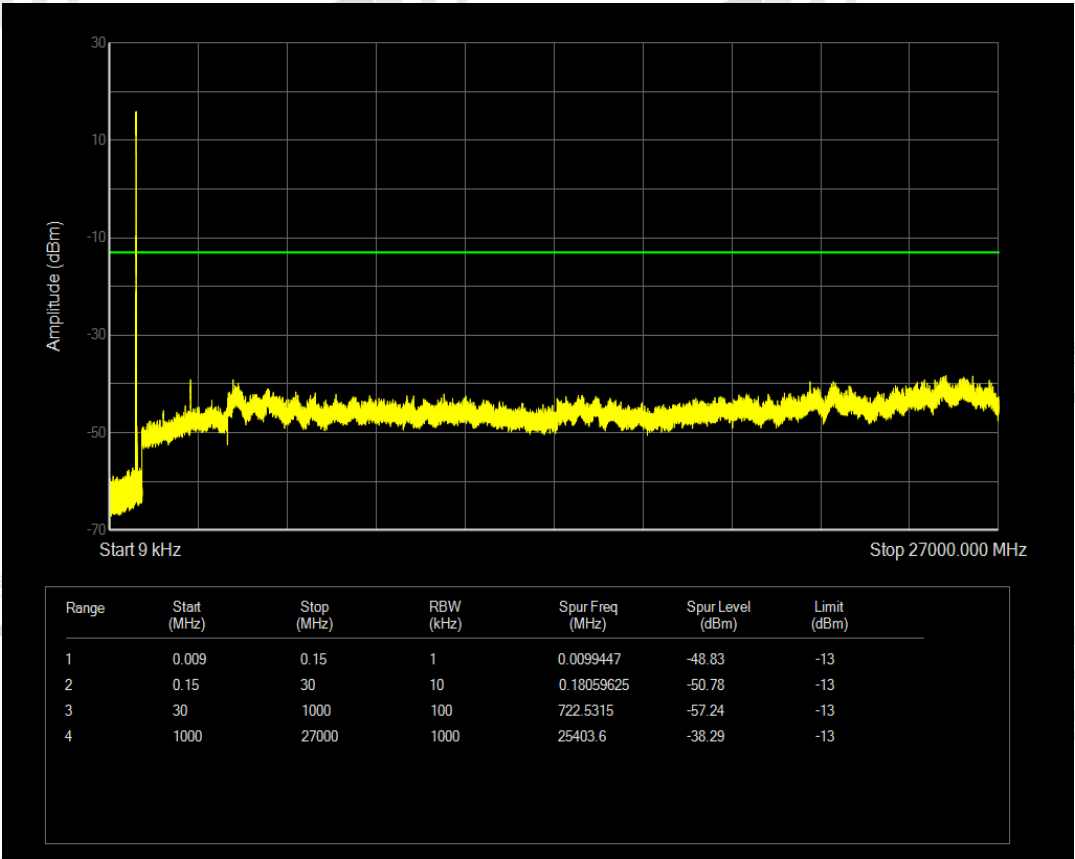
Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



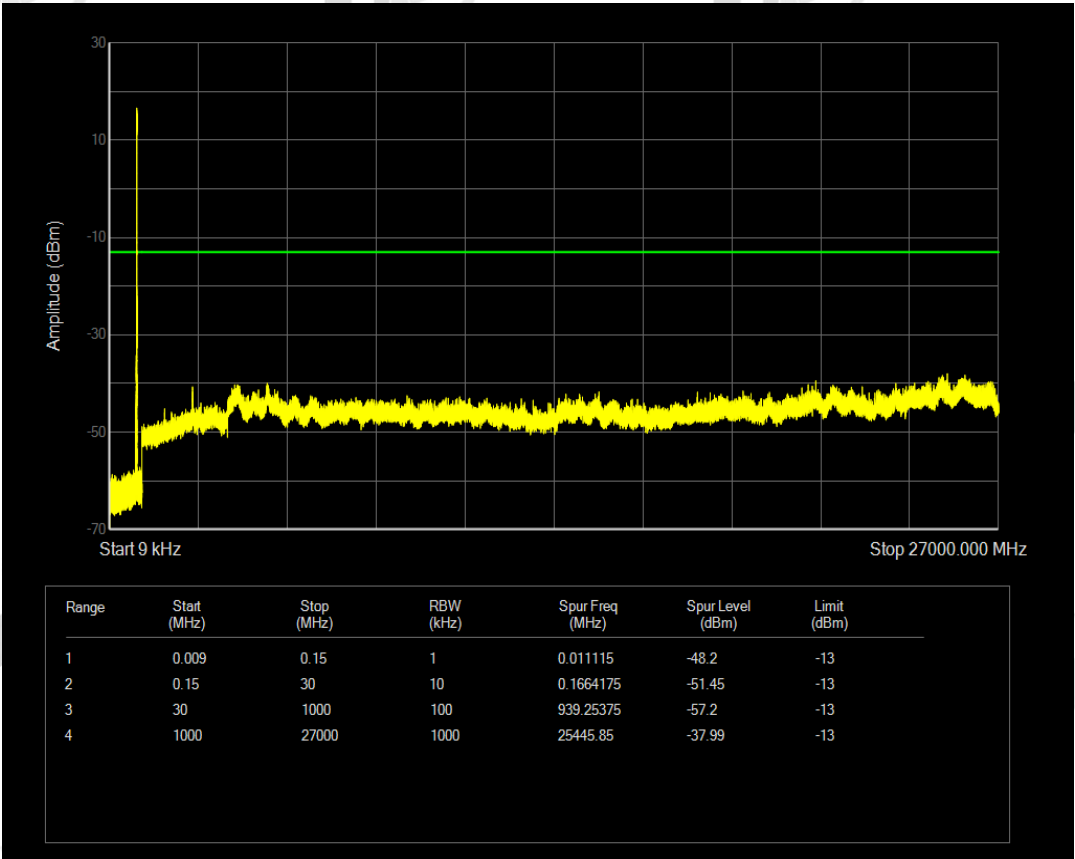
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



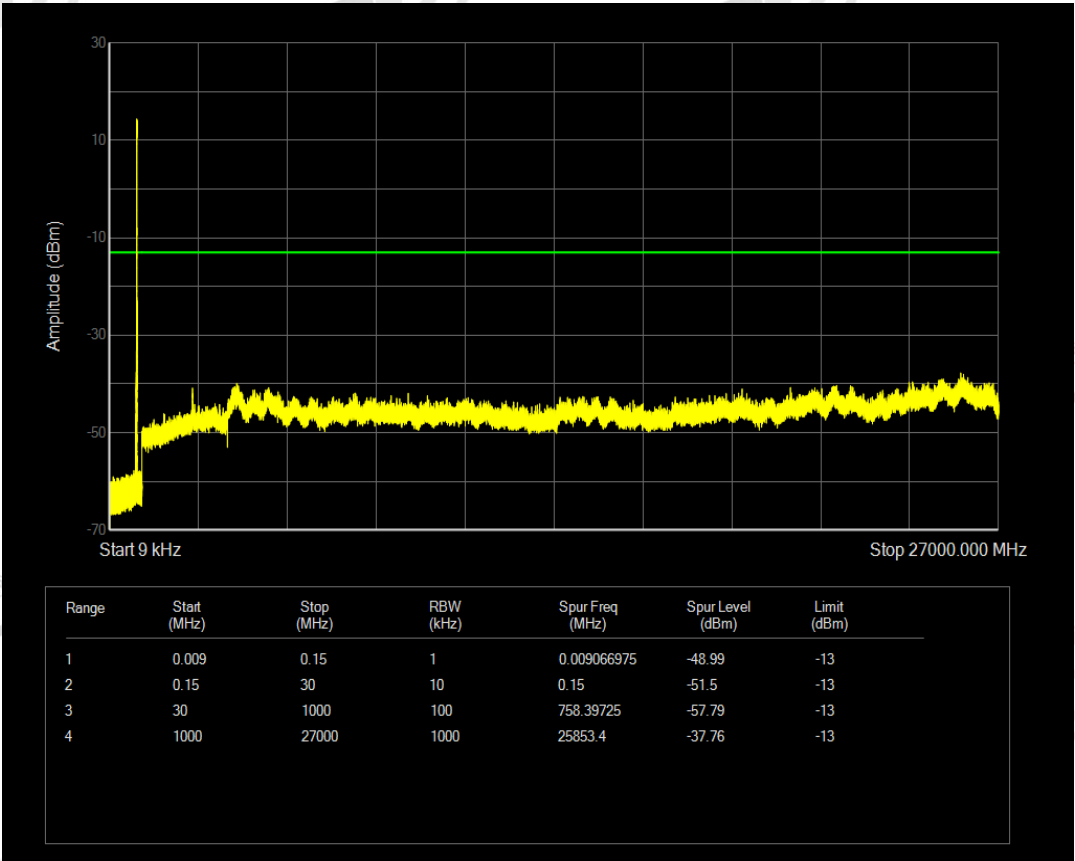
Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



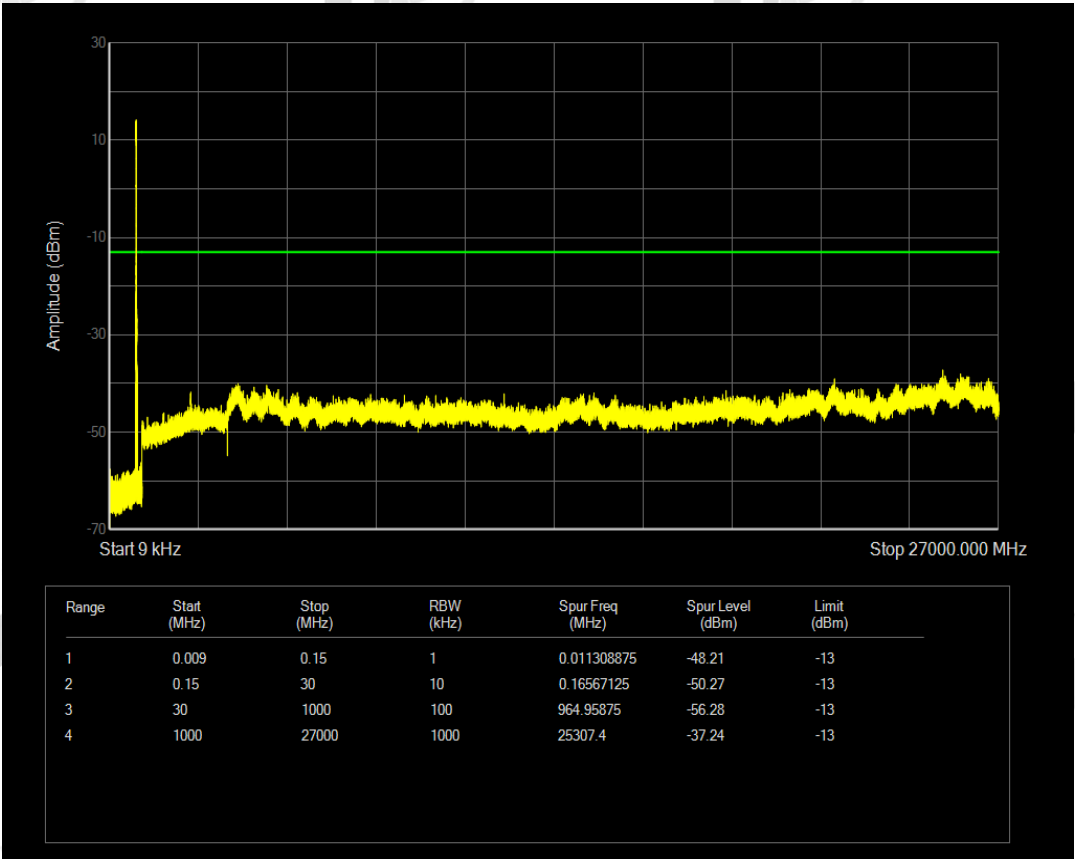
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



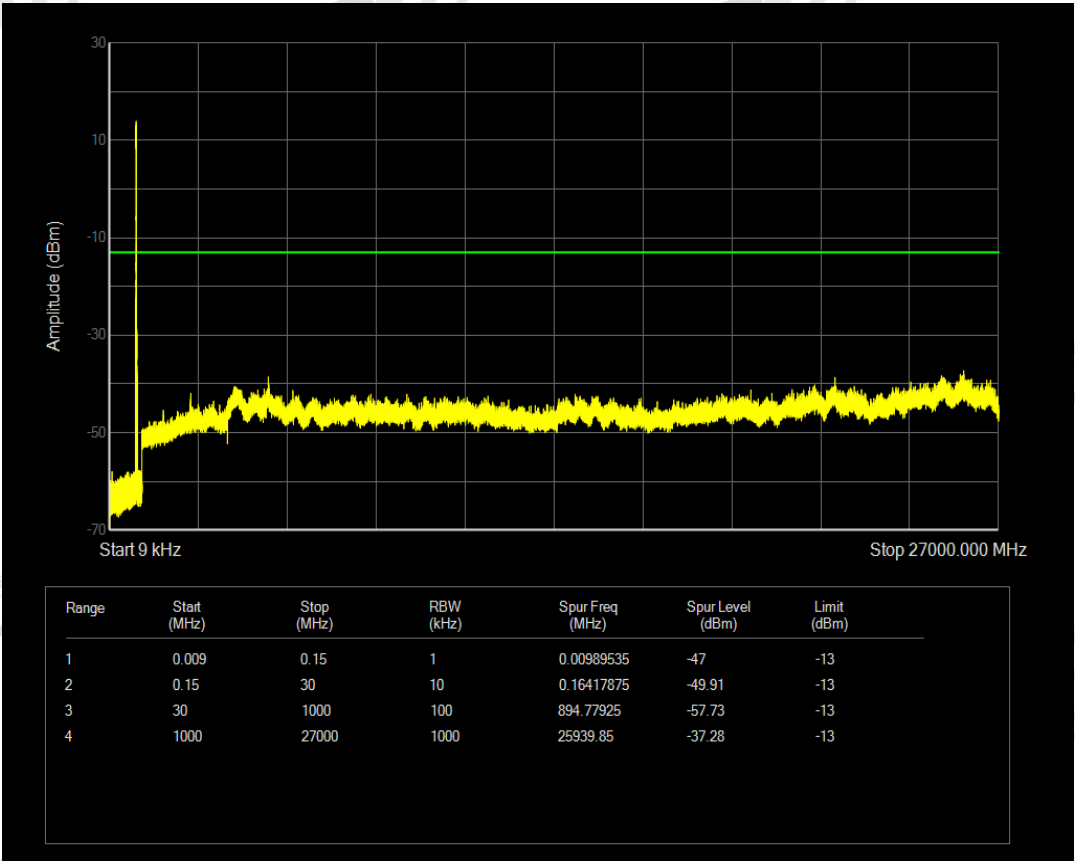
Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



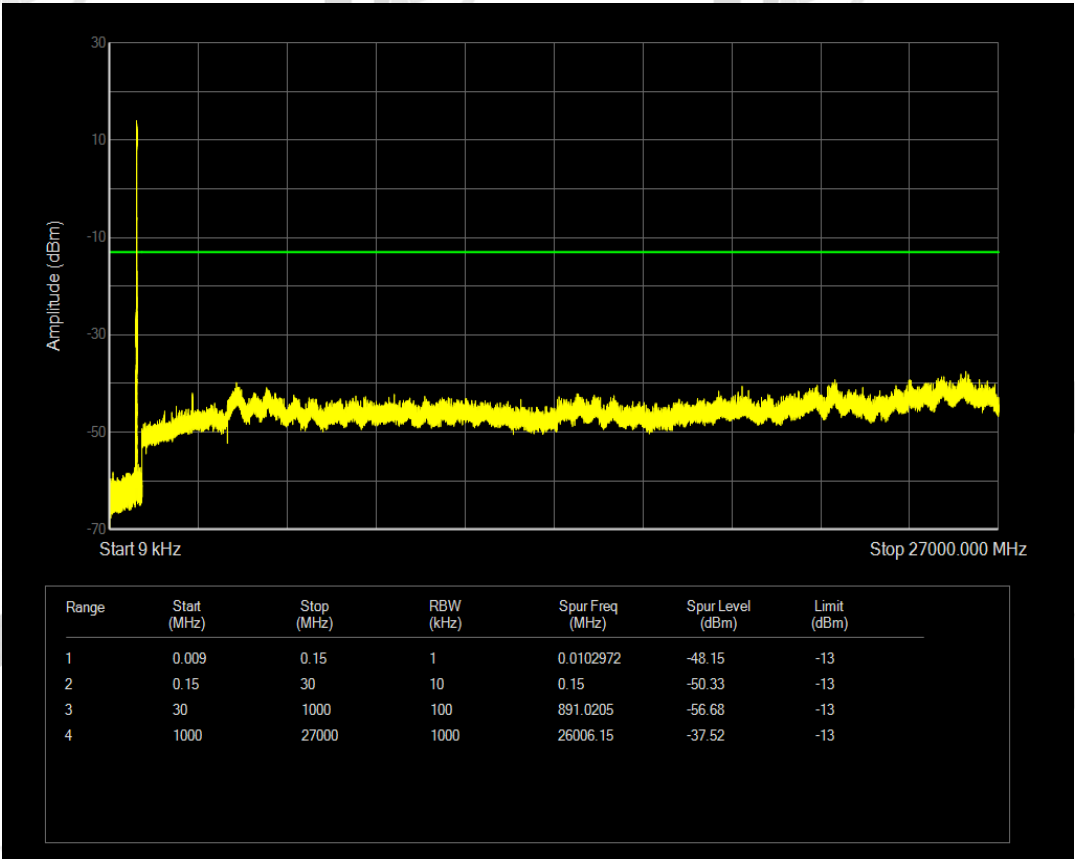
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



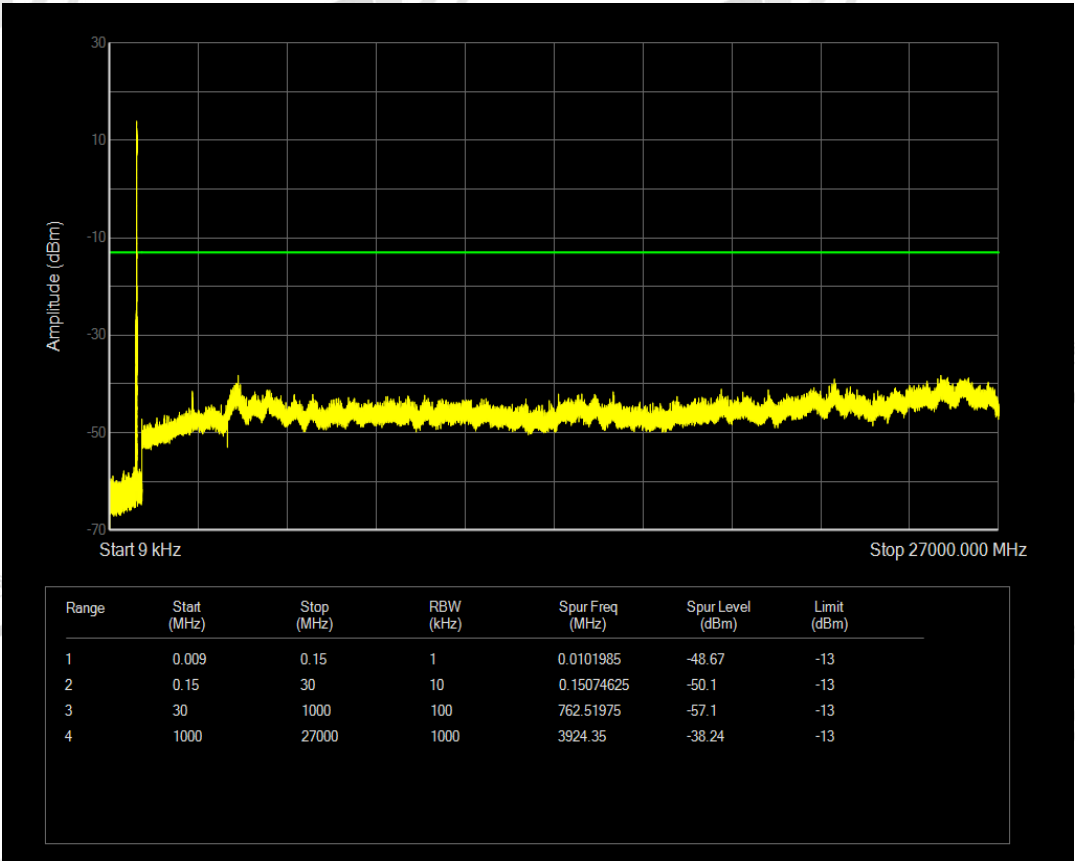
Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0



Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0

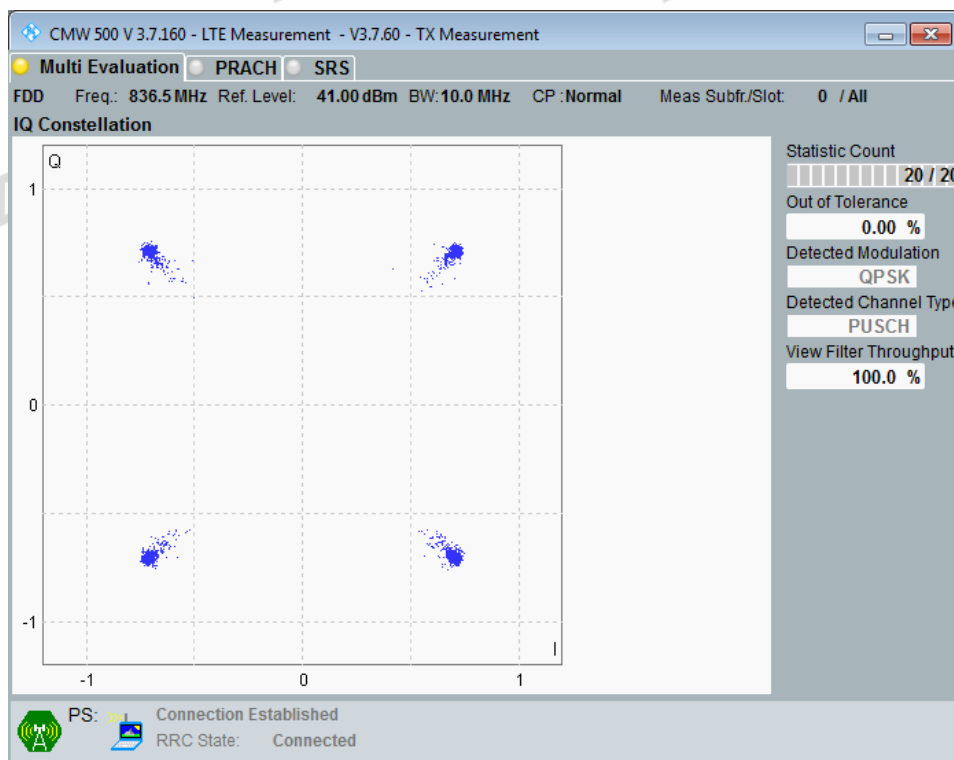


Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0

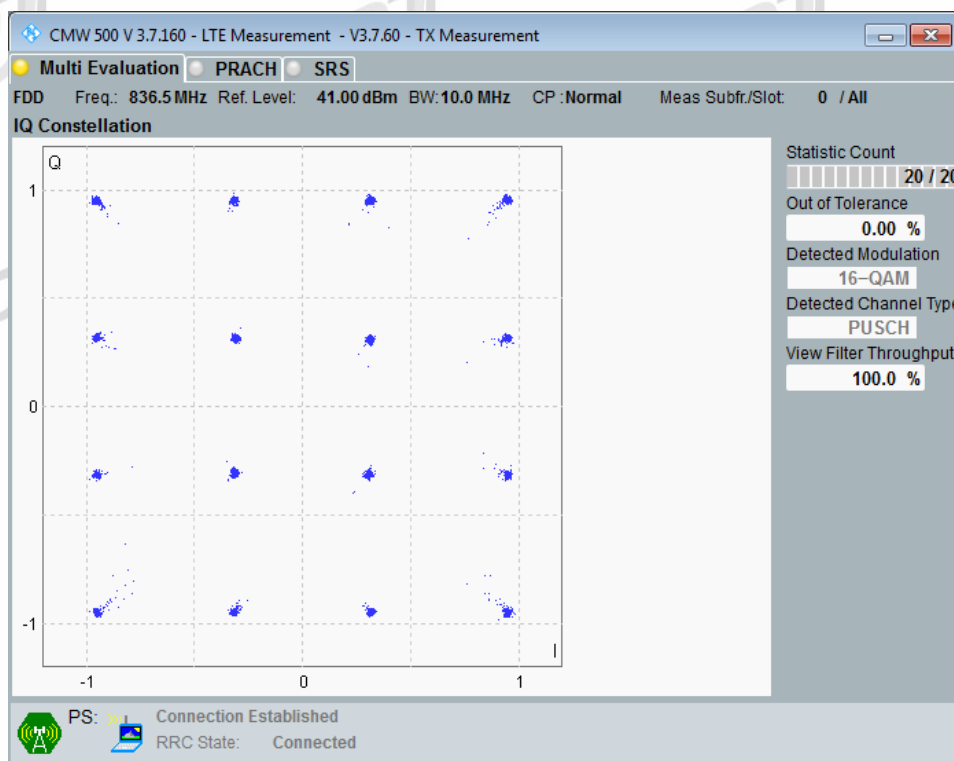


7 Modulation Characteristics

7.1 LTE/TM1 10MHz

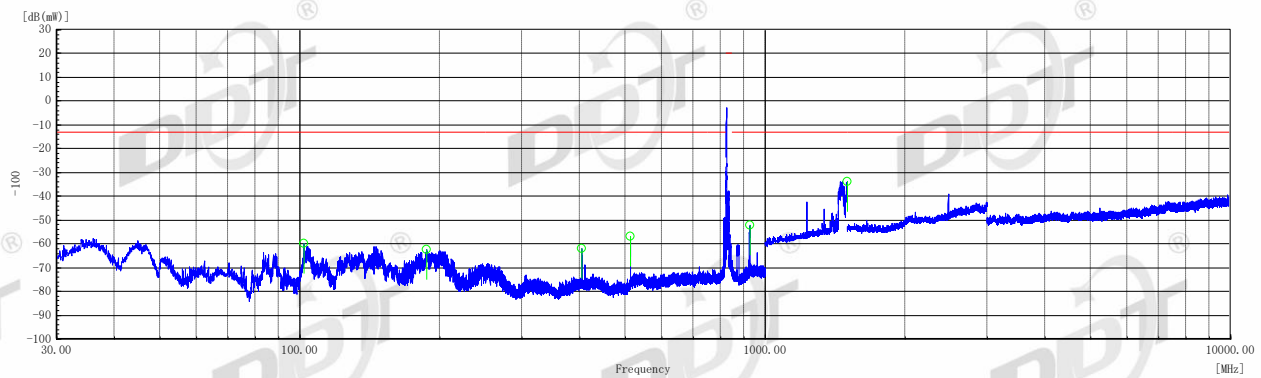


7.1 LTE/TM2 10MHz



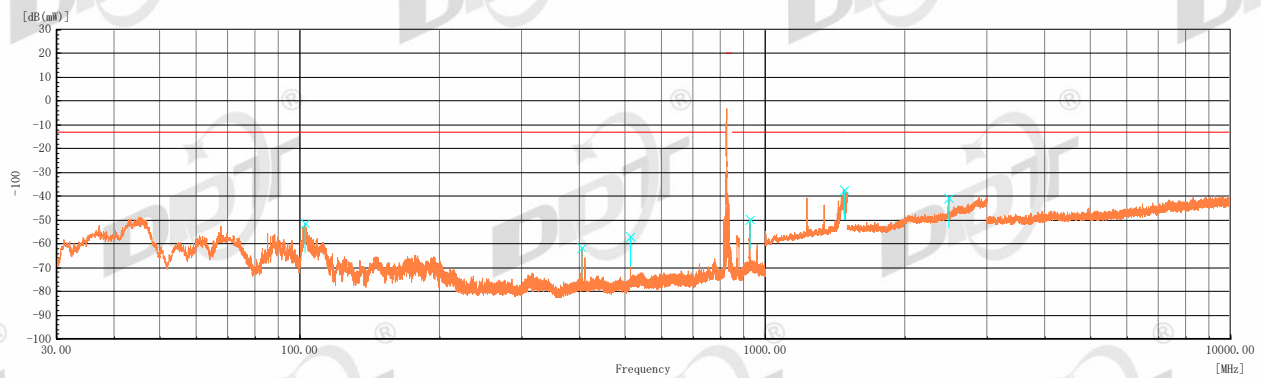
8. Radiated Power and Radiated Spurious Emissions

Test Mode1: LTE Band5 L-channel (horizontal)



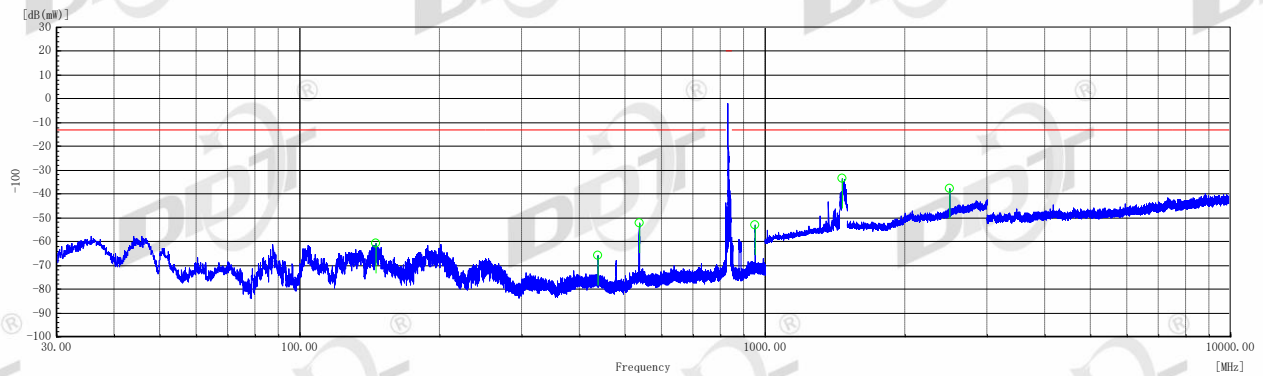
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
102.05	H	35.5	-59.8	-13	46.8	123	0.1
187.1	H	32.9	-62.4	-13	49.4	114	135.5
403.15	H	33.1	-62.2	-13	49.2	135	0.1
513.1	H	38.3	-57	-13	44	117	0.1
925.25	H	42.8	-52.5	-13	39.5	168	0.1
1498	H	61.5	-33.8	-13	20.8	153	0.1

Test Mode1: LTE Band5 L-channel (vertical)



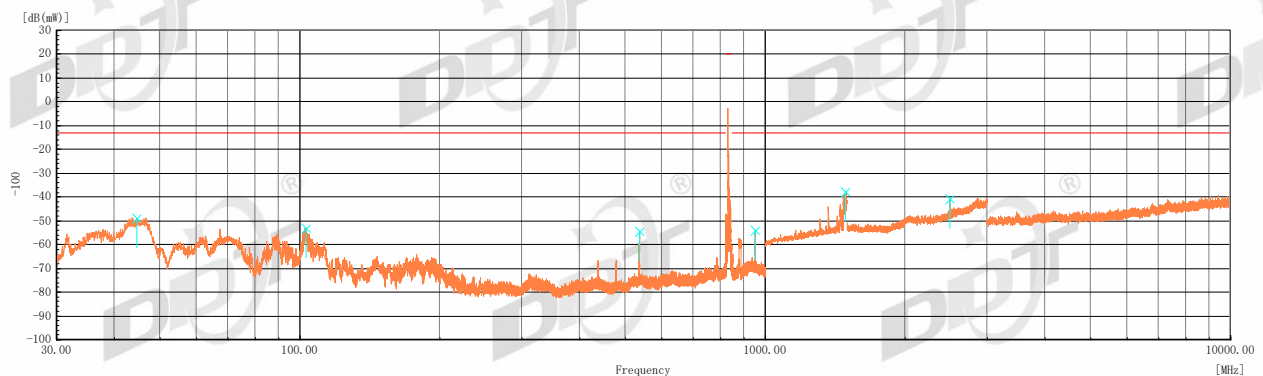
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
102.3	V	43.8	-51.5	-13	38.5	103	44.7
403.15	V	33.6	-61.7	-13	48.7	158	315.5
513.1	V	38.4	-56.9	-13	43.9	179	315.5
925.4	V	45.7	-49.6	-13	36.6	176	315.5
1478	V	58.0	-37.3	-13	24.3	180	315.5
2474	V	54.7	-40.6	-13	27.6	134	179.3

Test Mode1: LTE Band5 M-channel (horizontal)



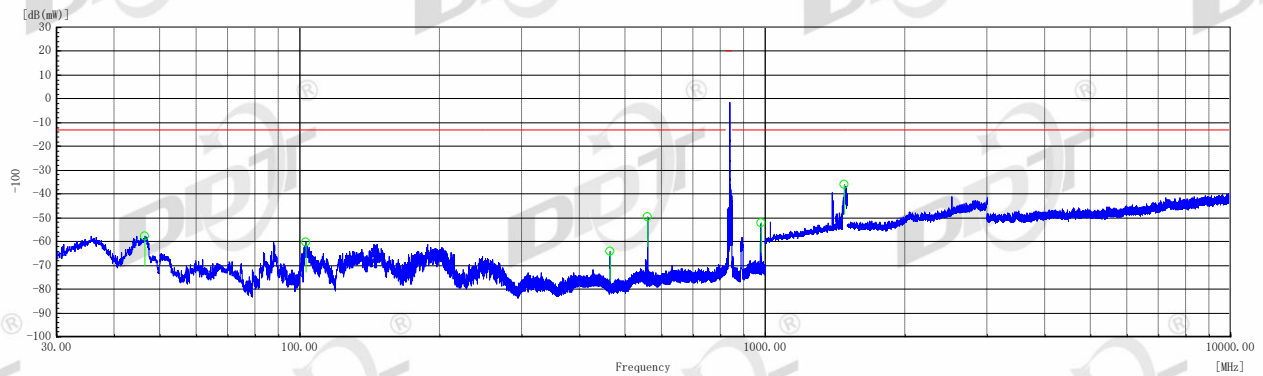
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
145.4	H	34.4	-60.9	-13	47.9	114	315.5
535.6	H	43.2	-52.1	-13	39.1	122	134.9
436.75	H	29.2	-66.1	-13	53.1	122	134.9
1463	H	61.9	-33.4	-13	20.4	137	359.9
2496	H	57.5	-37.8	-13	24.8	173	270.5
951.65	H	42.2	-53.1	-13	40.1	175	134.9

Test Mode1: LTE Band5 M-channel (vertical)



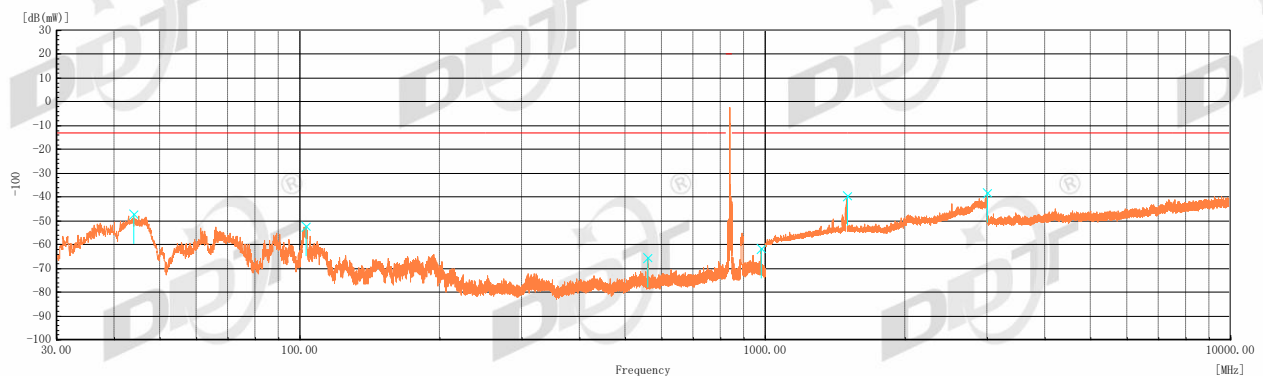
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
44.7	V	46.5	-48.8	-13	35.8	137	44.9
535.6	V	40.9	-54.4	-13	41.4	173	315.5
1486.5	V	57.5	-37.8	-13	24.8	175	89.9
2496	V	54.8	-40.5	-13	27.5	184	180.2
951.65	V	41.5	-53.8	-13	40.8	141	89.9
102.85	V	42.4	-52.9	-13	39.9	175	134.8

Test Mode1: LTE Band5 H-channel (horizontal)



Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
558.1	H	45.4	-49.9	-13	36.9	108	90.2
464.25	H	30.9	-64.4	-13	51.4	111	90.2
1478	H	59.2	-36.1	-13	23.1	118	135.3
977.95	H	42.8	-52.5	-13	39.5	115	90.2
46.35	H	37.4	-57.9	-13	44.9	180	180.7
103.2	H	35.1	-60.2	-13	47.2	162	135.3

Test Mode1: LTE Band5 H-channel (vertical)



Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
43.85	V	48.1	-47.2	-13	34.2	118	89.6
103.15	V	42.9	-52.4	-13	39.4	115	134.6
558.15	V	29.7	-65.6	-13	52.6	180	89.6
1500	V	55.6	-39.7	-13	26.7	162	89.6
2994.5	V	57.1	-38.2	-13	25.2	170	269.6
977.9	V	33.5	-61.8	-13	48.8	172	315.7