Appendix-LTE Band 5 Test Data

Conducted Test Data

Conducted Output Power and ERP

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	QAM16	23.36	1.1	22.31	38.45	PASS
Band5	1.4	20407	1	#Mid	QAM16	23.51	1.1	22.46	38.45	PASS
Band5	1.4	20407	1	#Max	QAM16	23.43	1.1	22.38	38.45	PASS
Band5	1.4	20407	3	#0	QAM16	23.46	1.1	22.41	38.45	PASS
Band5	1.4	20407	3	#Mid	QAM16	23.47	1.1	22.42	38.45	PASS
Band5	1.4	20407	3	#Max	QAM16	23.48	1.1	22.43	38.45	PASS
Band5	1.4	20407	6	#0	QAM16	22.41	1.1	21.36	38.45	PASS
Band5	1.4	20525	1	#0	QAM16	22.98	1.1	21.93	38.45	PASS
Band5	1.4	20525	1	#Mid	QAM16	23.10	1.1	22.05	38.45	PASS
Band5	1.4	20525	1	#Max	QAM16	22.92	1.1	21.87	38.45	PASS
Band5	1.4	20525	3	#0	QAM16	23.23	1.1	22.18	38.45	PASS
Band5	1.4	20525	3	#Mid	QAM16	23.23	1.1	22.18	38.45	PASS
Band5	1.4	20525	3	#Max	QAM16	23.23	1.1	22.18	38.45	PASS
Band5	1.4	20525	6	#0	QAM16	22.28	1.1	21.23	38.45	PASS
Band5	1.4	20643	1	#0	QAM16	23.39	1.1	22.34	38.45	PASS
Band5	1.4	20643	1	#Mid	QAM16	23.55	1.1	22.50	38.45	PASS
Band5	1.4	20643	1	#Max	QAM16	23.46	1.1	22.41	38.45	PASS
Band5	1.4	20643	3	#0	QAM16	23.45	1.1	22.40	38.45	PASS
Band5	1.4	20643	3	#Mid	QAM16	23.48	1.1	22.43	38.45	PASS
Band5	1.4	20643	3	#Max	QAM16	23.42	1.1	22.37	38.45	PASS
Band5	1.4	20643	6	#0	QAM16	22.47	1.1	21.42	38.45	PASS
Band5	3	20415	1	#0	QAM16	23.21	1.1	22.16	38.45	PASS
Band5	3	20415	1	#Mid	QAM16	23.50	1.1	22.45	38.45	PASS
Band5	3	20415	1	#Max	QAM16	23.19	1.1	22.14	38.45	PASS
Band5	3	20415	8	#0	QAM16	22.31	1.1	21.26	38.45	PASS
Band5	3	20415	8	#Mid	QAM16	22.30	1.1	21.25	38.45	PASS
Band5	3	20415	8	#Max	QAM16	22.30	1.1	21.25	38.45	PASS
Band5	3	20415	15	#0	QAM16	22.35	1.1	21.30	38.45	PASS
Band5	3	20525	1	#0	QAM16	23.66	1.1	22.61	38.45	PASS
Band5	3	20525	1	#Mid	QAM16	23.97	1.1	22.92	38.45	PASS
Band5	3	20525	1	#Max	QAM16	23.54	1.1	22.49	38.45	PASS
Band5	3	20525	8	#0	QAM16	22.22	1.1	21.17	38.45	PASS
Band5	3	20525	8	#Mid	QAM16	22.24	1.1	21.19	38.45	PASS

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Band5	3	20525	8	#Max	QAM16	22.20	1.1	21.15	38.45	PASS
Band5	3	20525	15	#0	QAM16	22.15	1.1	21.10	38.45	PASS
Band5	3	20635	1	#0	QAM16	23.51	1.1	22.46	38.45	PASS
Band5	3	20635	1	#Mid	QAM16	23.85	1.1	22.80	38.45	PASS
Band5	3	20635	1	#Max	QAM16	23.52	1.1	22.47	38.45	PASS
Band5	3	20635	8	#0	QAM16	22.33	1.1	21.28	38.45	PASS
Band5	3	20635	8	#Mid	QAM16	22.38	1.1	21.33	38.45	PASS
Band5	3	20635	8	#Max	QAM16	22.35	1.1	21.30	38.45	PASS
Band5	3	20635	15	#0	QAM16	22.27	1.1	21.22	38.45	PASS
Band5	5	20425	1	#0	QAM16	23.43	1.1	22.38	38.45	PASS
Band5	5	20425	1	#Mid	QAM16	23.83	1.1	22.78	38.45	PASS
Band5	5	20425	1	#Max	QAM16	23.42	1.1	22.37	38.45	PASS
Band5	5	20425	12	#0	QAM16	22.22	1.1	21.17	38.45	PASS
Band5	5	20425	12	#Mid	QAM16	22.27	1.1	21.22	38.45	PASS
Band5	5	20425	12	#Max	QAM16	22.14	1.1	21.09	38.45	PASS
Band5	5	20425	25	#0	QAM16	22.15	1.1	21.10	38.45	PASS
Band5	5	20525	1	#0	QAM16	23.60	1.1	22.55	38.45	PASS
Band5	5	20525	1	#Mid	QAM16	23.96	1.1	22.91	38.45	PASS
Band5	5	20525	1	#Max	QAM16	23.47	1.1	22.42	38.45	PASS
Band5	5	20525	12	#0	QAM16	22.04	1.1	20.99	38.45	PASS
Band5	5	20525	12	#Mid	QAM16	22.12	1.1	21.07	38.45	PASS
Band5	5	20525	12	#Max	QAM16	22.02	1.1	20.97	38.45	PASS
Band5	5	20525	25	#0	QAM16	22.03	1.1	20.98	38.45	PASS
Band5	5	20625	1	#0	QAM16	23.42	1.1	22.37	38.45	PASS
Band5	5	20625	1	#Mid	QAM16	23.88	1.1	22.83	38.45	PASS
Band5	5	20625	1	#Max	QAM16	23.46	1.1	22.41	38.45	PASS
Band5	5	20625	12	#0	QAM16	22.13	1.1	21.08	38.45	PASS
Band5	5	20625	12	#Mid	QAM16	22.23	1.1	21.18	38.45	PASS
Band5	5	20625	12	#Max	QAM16	22.11	1.1	21.06	38.45	PASS
Band5	5	20625	25	#0	QAM16	22.20	1.1	21.15	38.45	PASS
Band5	10	20450	1	#0	QAM16	23.36	1.1	22.31	38.45	PASS
Band5	10	20450	1	#Mid	QAM16	23.52	1.1	22.47	38.45	PASS
Band5	10	20450	1	#Max	QAM16	23.19	1.1	22.14	38.45	PASS
Band5	10	20450	25	#0	QAM16	22.30	1.1	21.25	38.45	PASS
Band5	10	20450	25	#Mid	QAM16	22.20	1.1	21.15	38.45	PASS
Band5	10	20450	25	#Max	QAM16	22.12	1.1	21.07	38.45	PASS
Band5	10	20450	50	#0	QAM16	22.25	1.1	21.20	38.45	PASS
Band5	10	20525	1	#0	QAM16	23.02	1.1	21.97	38.45	PASS
Band5	10	20525	1	#Mid	QAM16	23.16	1.1	22.11	38.45	PASS
Band5	10	20525	1	#Max	QAM16	22.92	1.1	21.87	38.45	PASS
Band5	10	20525	25	#0	QAM16	22.12	1.1	21.07	38.45	PASS
Band5	10	20525	25	#Mid	QAM16	22.16	1.1	21.11	38.45	PASS
Band5	10	20525	25	#Max	QAM16	22.09	1.1	21.04	38.45	PASS
Band5	10	20525	50	#0	QAM16	22.09	1.1	21.04	38.45	PASS
Band5	10	20600	1	#0	QAM16	23.40	1.1	22.35	38.45	PASS

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Band5	10	20600	1	#Mid	QAM16	**23.75**	1.1	22.70	38.45	PASS
Band5	10	20600	1	#Max	QAM16	23.61	1.1	22.56	38.45	PASS
Band5	10	20600	25	#0	QAM16	22.29	1.1	21.24	38.45	PASS
Band5	10	20600	25	#Mid	QAM16	22.26	1.1	21.21	38.45	PASS
Band5	10	20600	25	#Max	QAM16	22.26	1.1	21.21	38.45	PASS
Band5	10	20600	50	#0	QAM16	22.21	1.1	21.16	38.45	PASS
Band5	1.4	20407	1	#0	QPSK	24.22	1.1	23.17	38.45	PASS
Band5	1.4	20407	1	#Mid	QPSK	24.37	1.1	23.32	38.45	PASS
Band5	1.4	20407	1	#Max	QPSK	24.21	1.1	23.16	38.45	PASS
Band5	1.4	20407	3	#0	QPSK	24.32	1.1	23.27	38.45	PASS
Band5	1.4	20407	3	#Mid	QPSK	24.32	1.1	23.27	38.45	PASS
Band5	1.4	20407	3	#Max	QPSK	24.29	1.1	23.24	38.45	PASS
Band5	1.4	20407	6	#0	QPSK	23.27	1.1	22.22	38.45	PASS
Band5	1.4	20525	1	#0	QPSK	24.13	1.1	23.08	38.45	PASS
Band5	1.4	20525	1	#Mid	QPSK	24.31	1.1	23.26	38.45	PASS
Band5	1.4	20525	1	#Max	QPSK	24.14	1.1	23.09	38.45	PASS
Band5	1.4	20525	3	#0	QPSK	24.15	1.1	23.10	38.45	PASS
Band5	1.4	20525	3	#Mid	QPSK	24.11	1.1	23.06	38.45	PASS
Band5	1.4	20525	3	#Max	QPSK	24.14	1.1	23.09	38.45	PASS
Band5	1.4	20525	6	#0	QPSK	23.15	1.1	22.10	38.45	PASS
Band5	1.4	20643	1	#0	QPSK	24.26	1.1	23.21	38.45	PASS
Band5	1.4	20643	1	#Mid	QPSK	24.47	1.1	23.42	38.45	PASS
Band5	1.4	20643	1	#Max	QPSK	24.26	1.1	23.21	38.45	PASS
Band5	1.4	20643	3	#0	QPSK	24.21	1.1	23.16	38.45	PASS
Band5	1.4	20643	3	#Mid	QPSK	24.25	1.1	23.20	38.45	PASS
Band5	1.4	20643	3	#Max	QPSK	24.26	1.1	23.21	38.45	PASS
Band5	1.4	20643	6	#0	QPSK	23.31	1.1	22.26	38.45	PASS
Band5	3	20415	1	#0	QPSK	24.41	1.1	23.36	38.45	PASS
Band5	3	20415	1	#Mid	QPSK	24.59	1.1	23.54	38.45	PASS
Band5	3	20415	1	#Max	QPSK	24.41	1.1	23.36	38.45	PASS
Band5	3	20415	8	#0	QPSK	23.37	1.1	22.32	38.45	PASS
Band5	3	20415	8	#Mid	QPSK	23.38	1.1	22.33	38.45	PASS
Band5	3	20415	8	#Max	QPSK	23.31	1.1	22.26	38.45	PASS
Band5	3	20415	15	#0	QPSK	23.30	1.1	22.25	38.45	PASS
Band5	3	20525	1	#0	QPSK	24.23	1.1	23.18	38.45	PASS
Band5	3	20525	1	#Mid	QPSK	24.50	1.1	23.45	38.45	PASS
Band5	3	20525	1	#Max	QPSK	24.17	1.1	23.12	38.45	PASS
Band5	3	20525	8	#0	QPSK	23.17	1.1	22.12	38.45	PASS
Band5	3	20525	8	#Mid	QPSK	23.20	1.1	22.15	38.45	PASS
Band5	3	20525	8	#Max	QPSK	23.23	1.1	22.18	38.45	PASS
Band5	3	20525	15	#0	QPSK	23.17	1.1	22.12	38.45	PASS
Band5	3	20635	1	#0	QPSK	24.31	1.1	23.26	38.45	PASS
Band5	3	20635	1	#Mid	QPSK	**24.81**	1.1	23.76	38.45	PASS
Band5	3	20635	1	#Max	QPSK	24.31	1.1	23.26	38.45	PASS
Band5	3	20635	8	#0	QPSK	23.35	1.1	22.30	38.45	PASS

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Band5	3	20635	8	#Mid	QPSK	23.38	1.1	22.33	38.45	PASS
Band5	3	20635	8	#Max	QPSK	23.39	1.1	22.34	38.45	PASS
Band5	3	20635	15	#0	QPSK	23.34	1.1	22.29	38.45	PASS
Band5	5	20425	1	#0	QPSK	24.12	1.1	23.07	38.45	PASS
Band5	5	20425	1	#Mid	QPSK	24.47	1.1	23.42	38.45	PASS
Band5	5	20425	1	#Max	QPSK	24.09	1.1	23.04	38.45	PASS
Band5	5	20425	12	#0	QPSK	23.25	1.1	22.20	38.45	PASS
Band5	5	20425	12	#Mid	QPSK	23.24	1.1	22.19	38.45	PASS
Band5	5	20425	12	#Max	QPSK	23.13	1.1	22.08	38.45	PASS
Band5	5	20425	25	#0	QPSK	23.19	1.1	22.14	38.45	PASS
Band5	5	20525	1	#0	QPSK	24.08	1.1	23.03	38.45	PASS
Band5	5	20525	1	#Mid	QPSK	24.47	1.1	23.42	38.45	PASS
Band5	5	20525	1	#Max	QPSK	23.99	1.1	22.94	38.45	PASS
Band5	5	20525	12	#0	QPSK	23.12	1.1	22.07	38.45	PASS
Band5	5	20525	12	#Mid	QPSK	23.15	1.1	22.10	38.45	PASS
Band5	5	20525	12	#Max	QPSK	23.06	1.1	22.01	38.45	PASS
Band5	5	20525	25	#0	QPSK	23.11	1.1	22.06	38.45	PASS
Band5	5	20625	1	#0	QPSK	24.16	1.1	23.11	38.45	PASS
Band5	5	20625	1	#Mid	QPSK	24.51	1.1	23.46	38.45	PASS
Band5	5	20625	1	#Max	QPSK	24.17	1.1	23.12	38.45	PASS
Band5	5	20625	12	#0	QPSK	23.22	1.1	22.17	38.45	PASS
Band5	5	20625	12	#Mid	QPSK	23.30	1.1	22.25	38.45	PASS
Band5	5	20625	12	#Max	QPSK	23.23	1.1	22.18	38.45	PASS
Band5	5	20625	25	#0	QPSK	23.26	1.1	22.21	38.45	PASS
Band5	10	20450	1	#0	QPSK	24.24	1.1	23.19	38.45	PASS
Band5	10	20450	1	#Mid	QPSK	**24.39**	1.1	23.34	38.45	PASS
Band5	10	20450	1	#Max	QPSK	24.11	1.1	23.06	38.45	PASS
Band5	10	20450	25	#0	QPSK	23.32	1.1	22.27	38.45	PASS
Band5	10	20450	25	#Mid	QPSK	23.22	1.1	22.17	38.45	PASS
Band5	10	20450	25	#Max	QPSK	23.13	1.1	22.08	38.45	PASS
Band5	10	20450	50	#0	QPSK	23.23	1.1	22.18	38.45	PASS
Band5	10	20525	1	#0	QPSK	24.18	1.1	23.13	38.45	PASS
Band5	10	20525	1	#Mid	QPSK	24.35	1.1	23.30	38.45	PASS
Band5	10	20525	1	#Max	QPSK	24.17	1.1	23.12	38.45	PASS
Band5	10	20525	25	#0	QPSK	23.16	1.1	22.11	38.45	PASS
Band5	10	20525	25	#Mid	QPSK	23.12	1.1	22.07	38.45	PASS
Band5	10	20525	25	#Max	QPSK	23.14	1.1	22.09	38.45	PASS
Band5	10	20525	50	#0	QPSK	23.11	1.1	22.06	38.45	PASS
Band5	10	20600	1	#0	QPSK	24.06	1.1	23.01	38.45	PASS
Band5	10	20600	1	#Mid	QPSK	24.36	1.1	23.31	38.45	PASS
Band5	10	20600	1	#Max	QPSK	24.16	1.1	23.11	38.45	PASS
Band5	10	20600	25	#0	QPSK	23.32	1.1	22.27	38.45	PASS
Band5	10	20600	25	#Mid	QPSK	23.24	1.1	22.19	38.45	PASS
Band5	10	20600	25	#Max	QPSK	23.24	1.1	22.19	38.45	PASS
Band5	10	20600	50	#0	QPSK	23.26	1.1	22.21	38.45	PASS

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Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatur(℃)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band5	10	20525	25	#0	QPSK	VL	NT	-5.48	-0.007	-2.5	2.5	PASS
Band5	10	20525	25	#0	QPSK	VN	NT	-5.19	-0.006	-2.5	2.5	PASS
Band5	10	20525	25	#0	QPSK	VH	NT	-1.62	-0.002	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
Band5	10	20525	50	#0	QPSK	NV	-30	-1.65	-0.002	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	-20	-0.56	-0.001	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	-10	-1.26	-0.002	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	0	1.03	0.001	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	10	0.44	0.001	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	20	-2.93	-0.003	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	30	-0.44	-0.001	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	40	-2.30	-0.003	-2.5	2.5	PASS
Band5	10	20525	50	#0	QPSK	NV	50	-0.49	-0.001	-2.5	2.5	PASS

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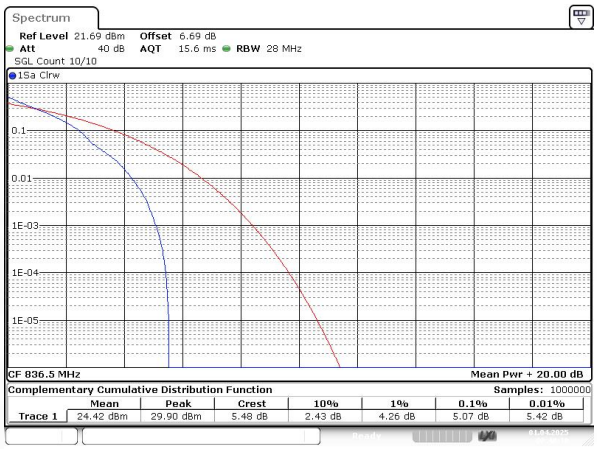
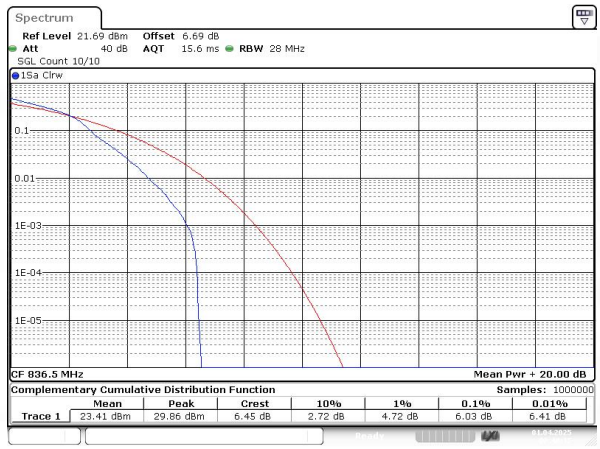
Peak-to-Average Ratio

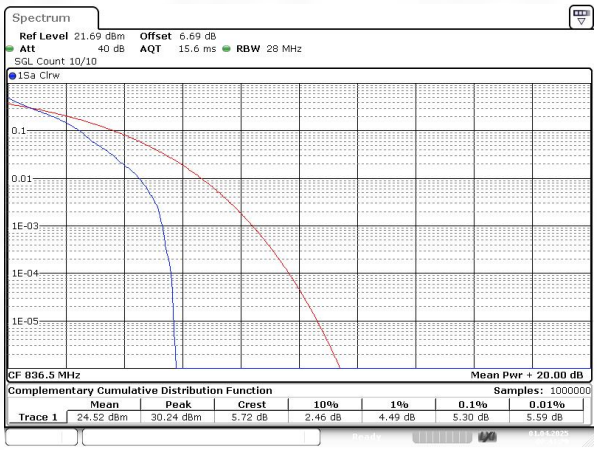
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20525	1	#0	QAM16	6.03	13	PASS
Band5	3	20525	1	#0	QAM16	6.17	13	PASS
Band5	5	20525	1	#0	QAM16	6.35	13	PASS
Band5	10	20525	1	#0	QAM16	6.96	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.07	13	PASS
Band5	3	20525	1	#0	QPSK	5.3	13	PASS
Band5	5	20525	1	#0	QPSK	5.91	13	PASS
Band5	10	20525	1	#0	QPSK	6.06	13	PASS



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

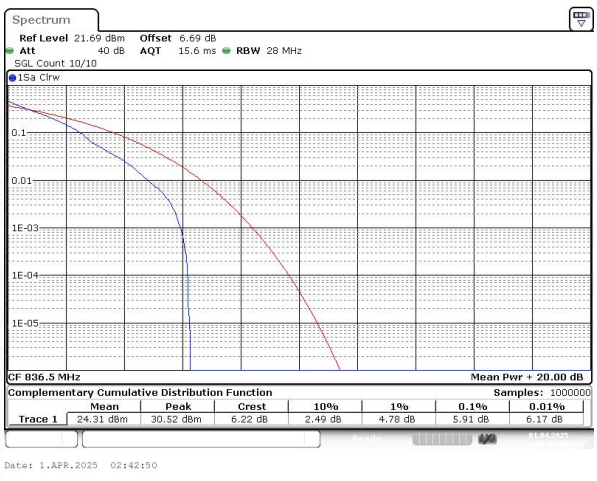


Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0

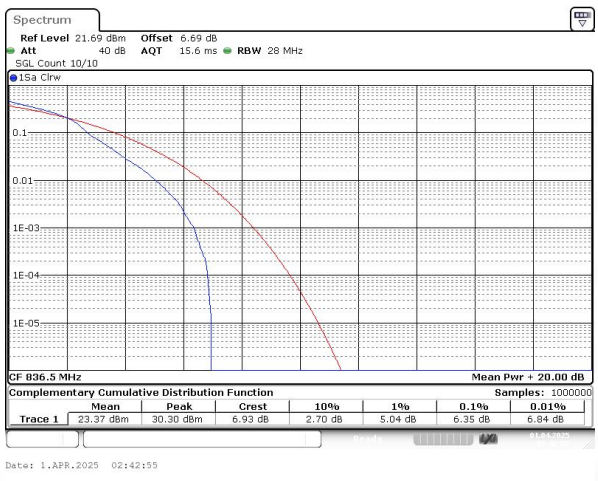


Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

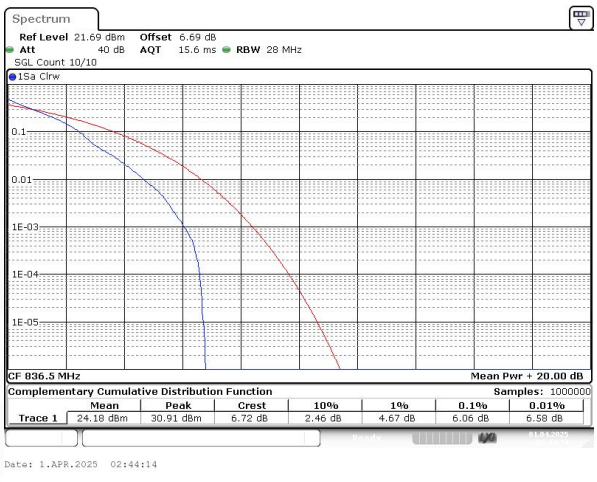
Band5 QAM16 BW=3MHz Channel=20525 RB Size=1 Position=#0



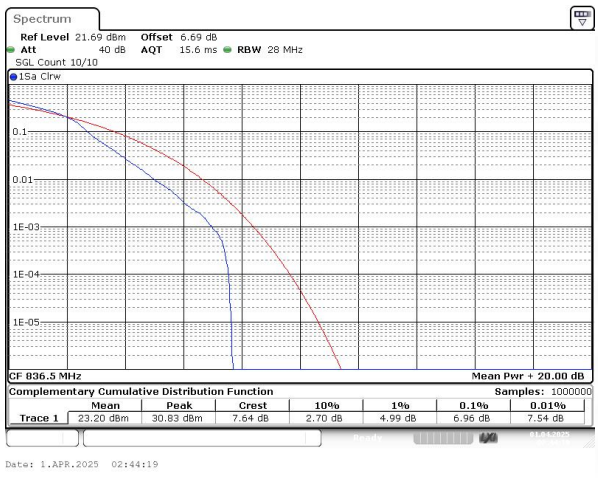
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



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

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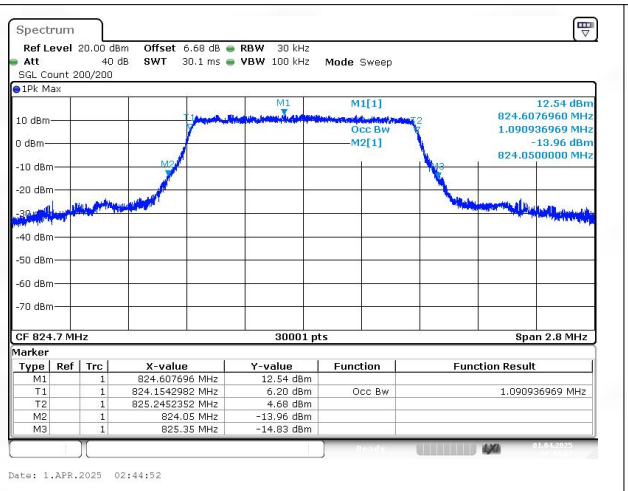
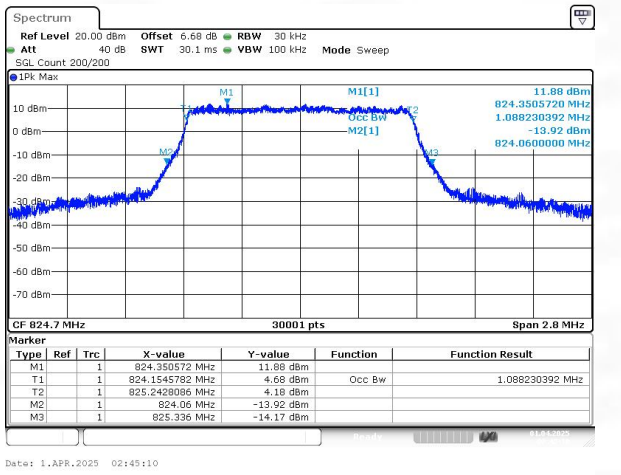
Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QAM16	1.088	1.277	PASS
Band5	1.4	20525	6	#0	QAM16	1.092	1.288	PASS
Band5	1.4	20643	6	#0	QAM16	1.093	1.312	PASS
Band5	3	20415	15	#0	QAM16	2.718	2.975	PASS
Band5	3	20525	15	#0	QAM16	2.713	2.988	PASS
Band5	3	20635	15	#0	QAM16	2.713	3.002	PASS
Band5	5	20425	25	#0	QAM16	4.485	4.888	PASS
Band5	5	20525	25	#0	QAM16	4.501	4.936	PASS
Band5	5	20625	25	#0	QAM16	4.494	4.936	PASS
Band5	10	20450	50	#0	QAM16	8.974	9.789	PASS
Band5	10	20525	50	#0	QAM16	8.972	9.741	PASS
Band5	10	20600	50	#0	QAM16	**8.971**	9.759	PASS
Band5	1.4	20407	6	#0	QPSK	1.091	1.299	PASS
Band5	1.4	20525	6	#0	QPSK	1.097	1.294	PASS
Band5	1.4	20643	6	#0	QPSK	1.091	1.294	PASS
Band5	3	20415	15	#0	QPSK	2.719	2.977	PASS
Band5	3	20525	15	#0	QPSK	2.723	2.993	PASS
Band5	3	20635	15	#0	QPSK	**2.719**	2.997	PASS
Band5	5	20425	25	#0	QPSK	4.497	4.925	PASS
Band5	5	20525	25	#0	QPSK	4.494	4.917	PASS
Band5	5	20625	25	#0	QPSK	4.492	4.924	PASS
Band5	10	20450	50	#0	QPSK	**8.975**	9.797	PASS
Band5	10	20525	50	#0	QPSK	8.977	9.823	PASS
Band5	10	20600	50	#0	QPSK	8.964	9.693	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

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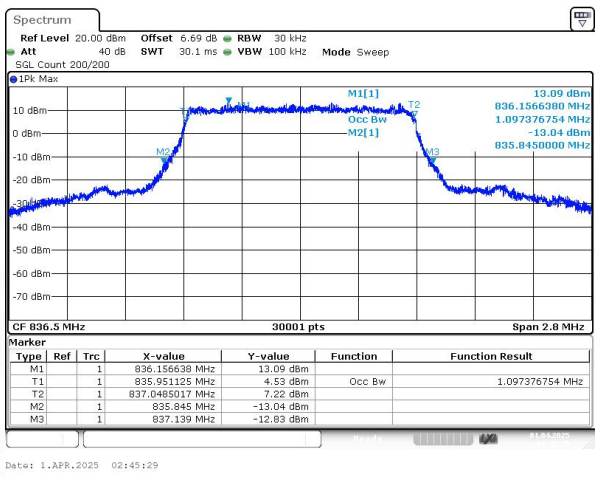
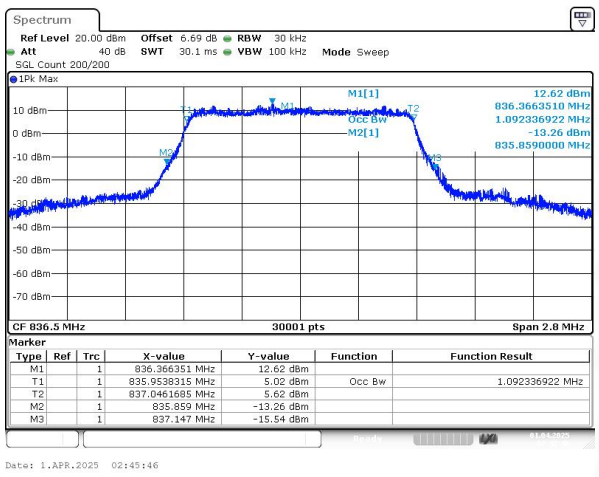
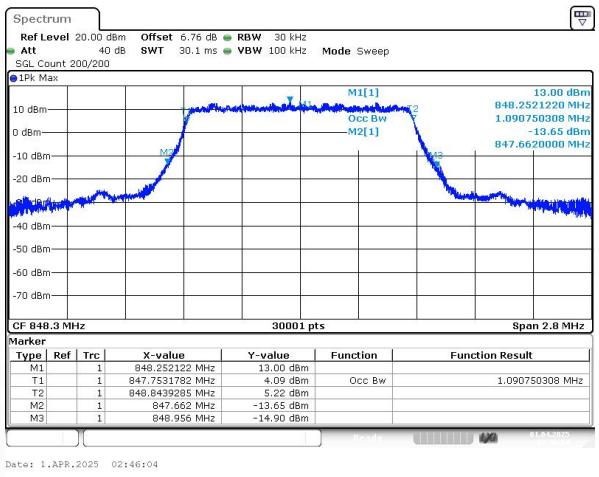


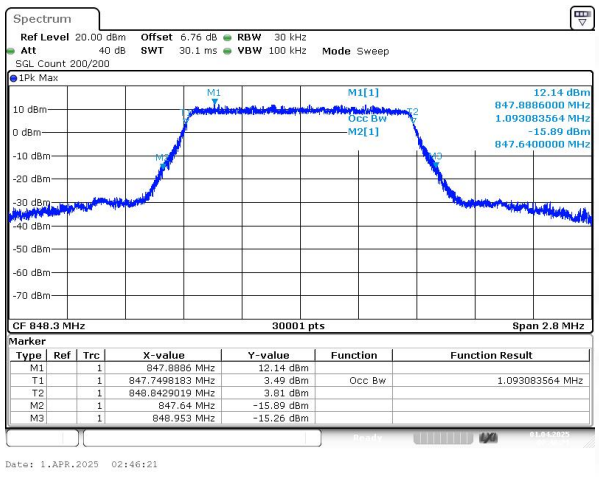
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



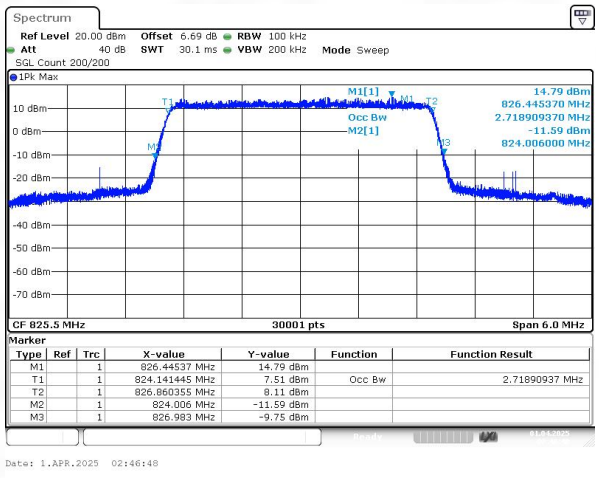
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



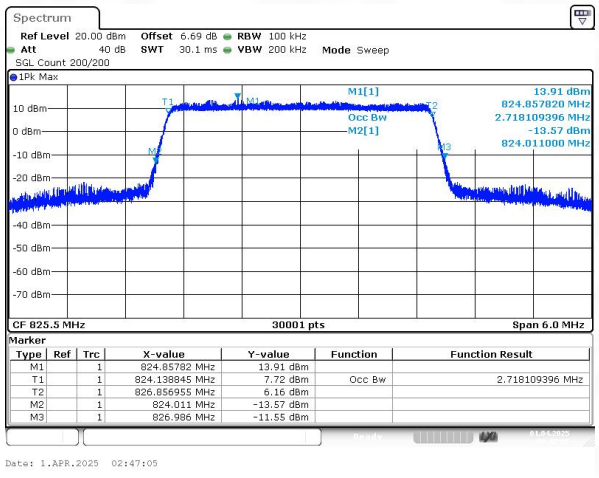
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



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

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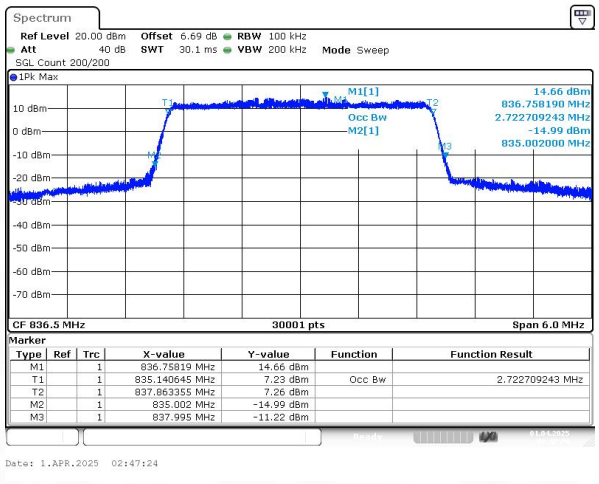
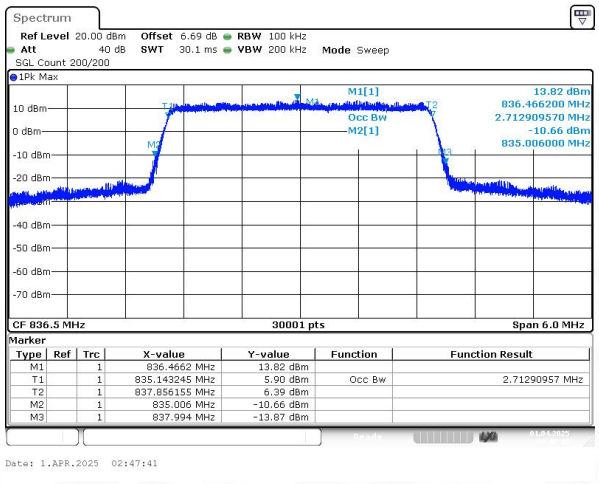
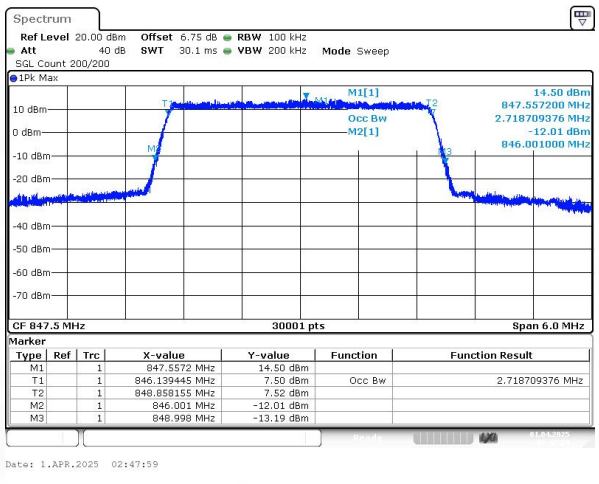


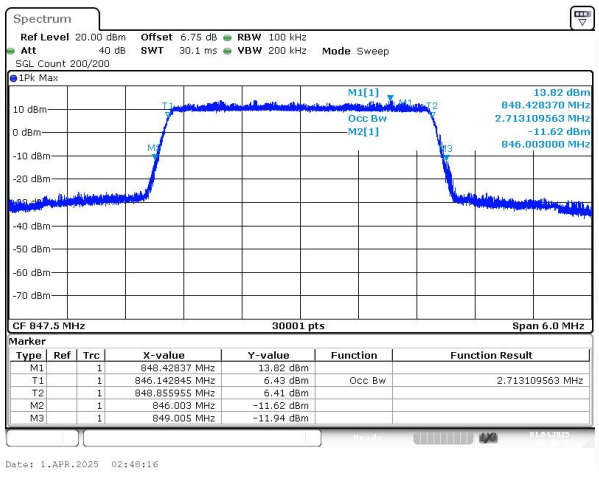
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



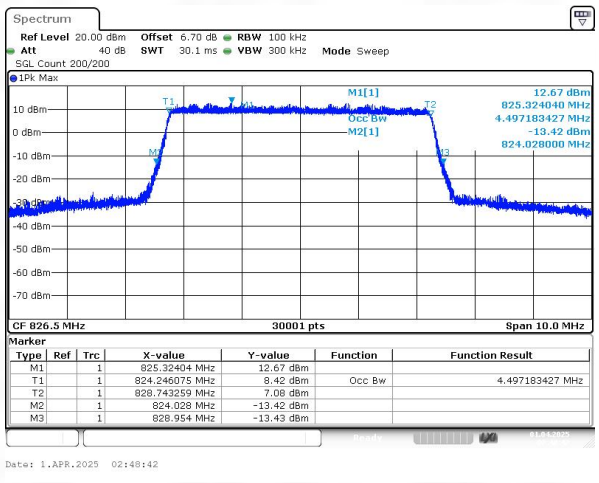
Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0



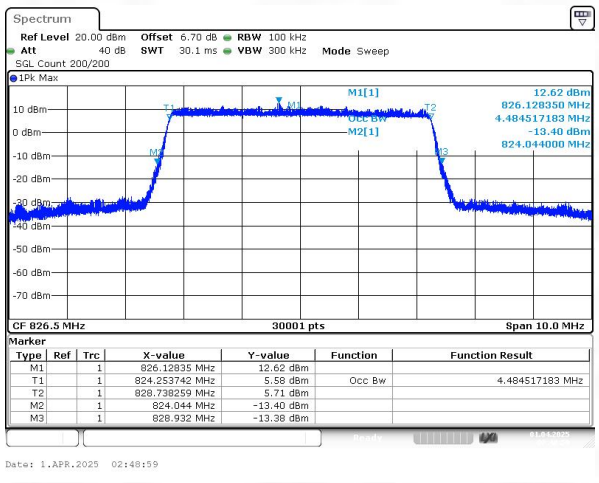
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



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

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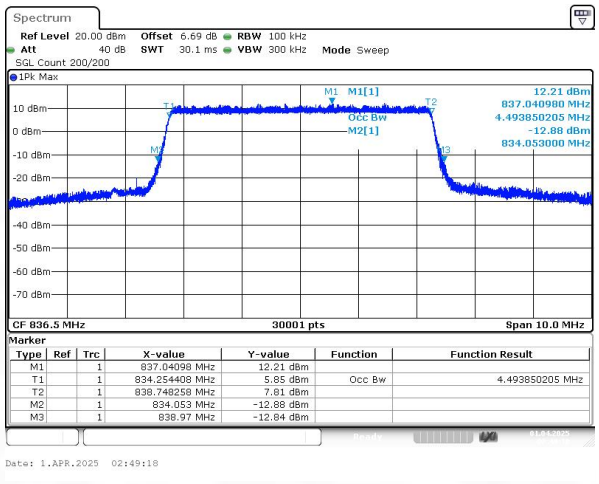
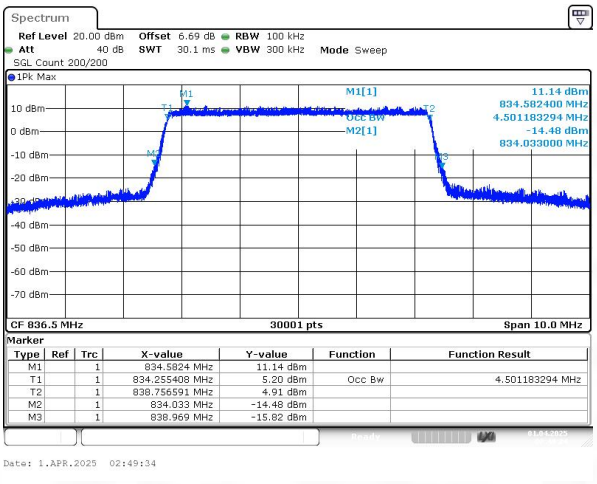
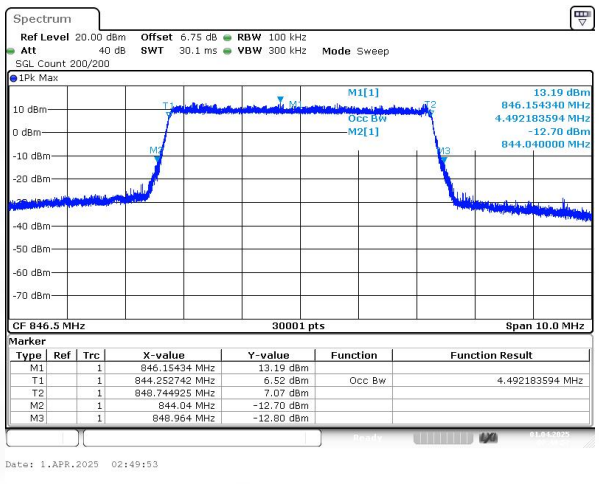


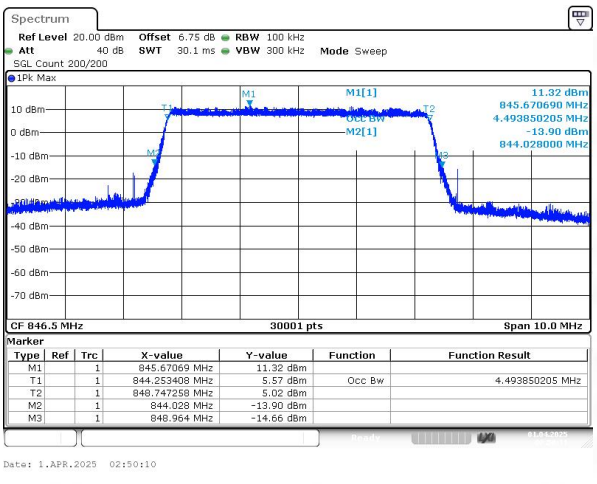
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



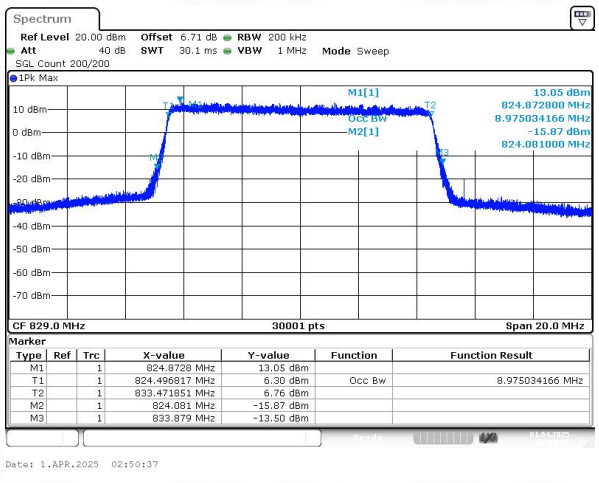
Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



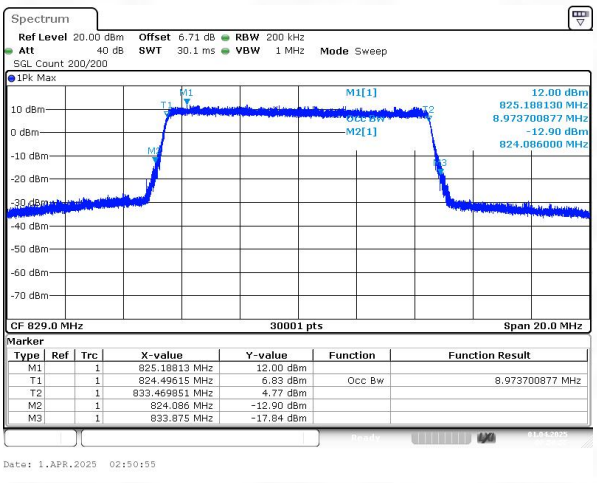
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



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

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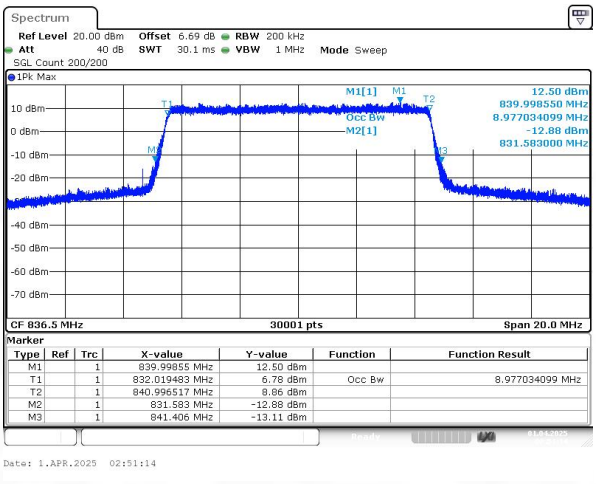
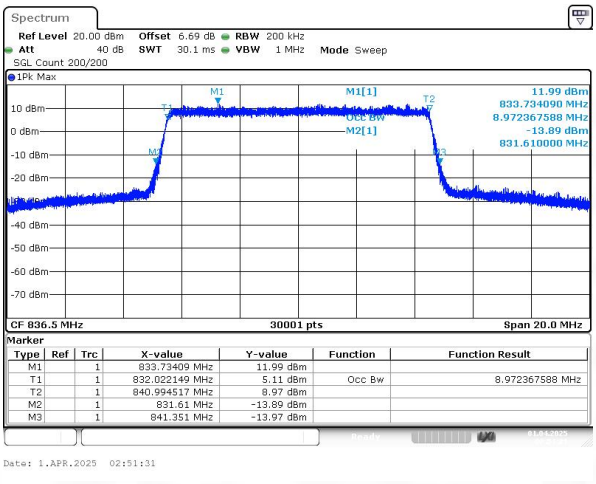
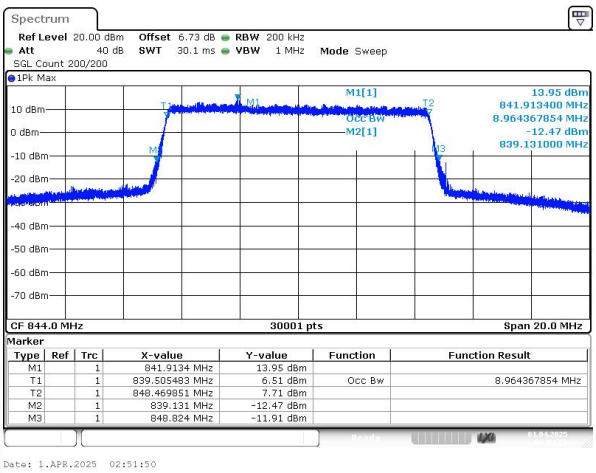


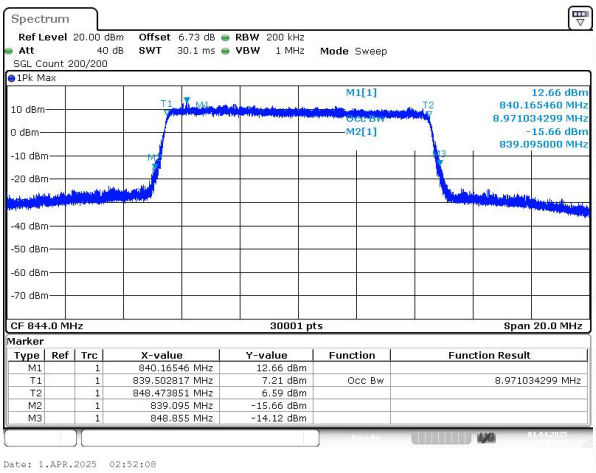
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



Band5 QAM16 BW=10MHz Channel=20525 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

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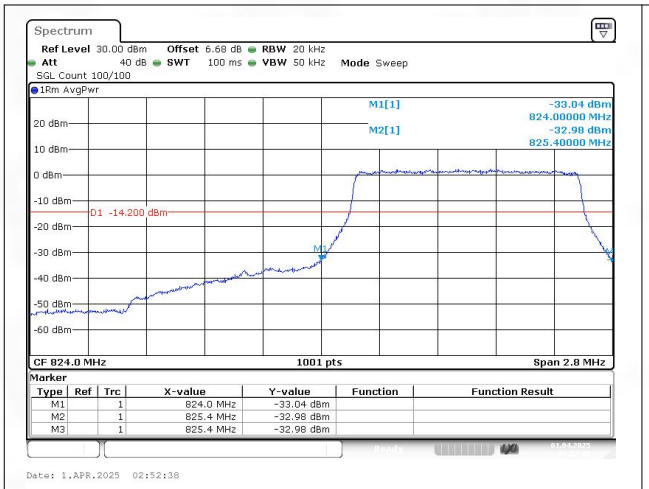
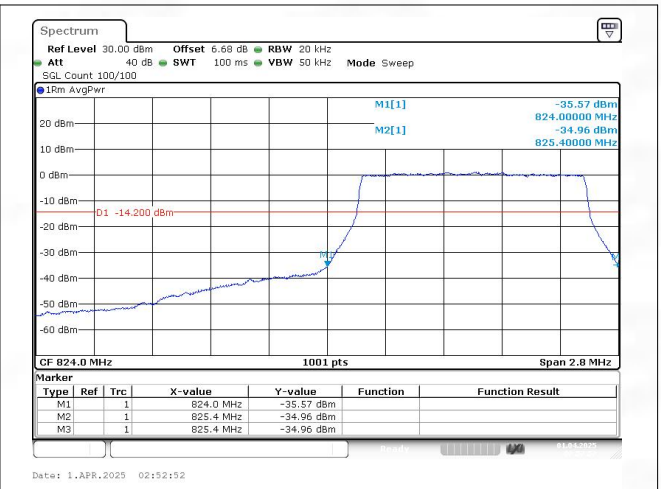
Band edge

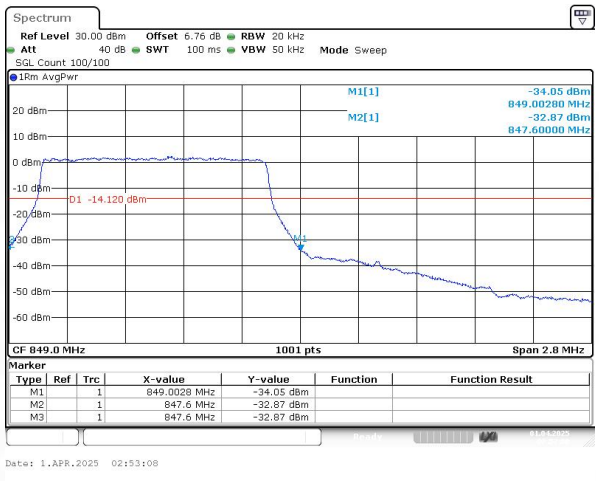
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QAM16	824	-35.56	-13	PASS
Band5	1.4	20643	6	#0	QAM16	849	-35.64	-13	PASS
Band5	3	20415	15	#0	QAM16	824	-37.78	-13	PASS
Band5	3	20635	15	#0	QAM16	849	-38.63	-13	PASS
Band5	5	20425	25	#0	QAM16	824	-37.37	-13	PASS
Band5	5	20625	25	#0	QAM16	849	-37.54	-13	PASS
Band5	10	20450	50	#0	QAM16	824	-38.41	-13	PASS
Band5	10	20600	50	#0	QAM16	849	-38.66	-13	PASS
Band5	1.4	20407	6	#0	QPSK	824	-33.04	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849	-34.05	-13	PASS
Band5	3	20415	15	#0	QPSK	824	-35.85	-13	PASS
Band5	3	20635	15	#0	QPSK	849	-36.42	-13	PASS
Band5	5	20425	25	#0	QPSK	824	-35.69	-13	PASS
Band5	5	20625	25	#0	QPSK	849	-36.92	-13	PASS
Band5	10	20450	50	#0	QPSK	824	-36.21	-13	PASS
Band5	10	20600	50	#0	QPSK	849	-36.42	-13	PASS



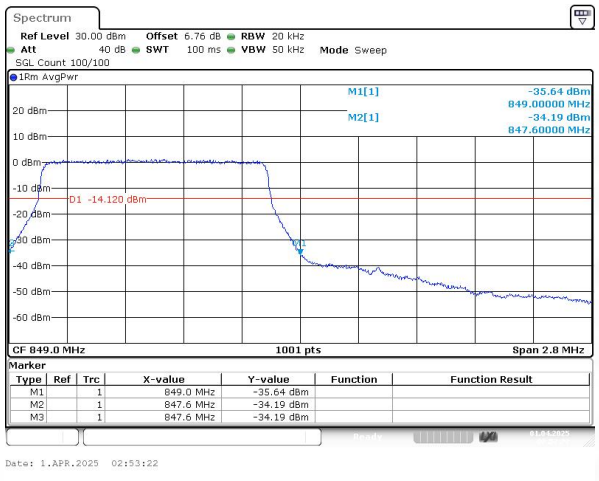
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



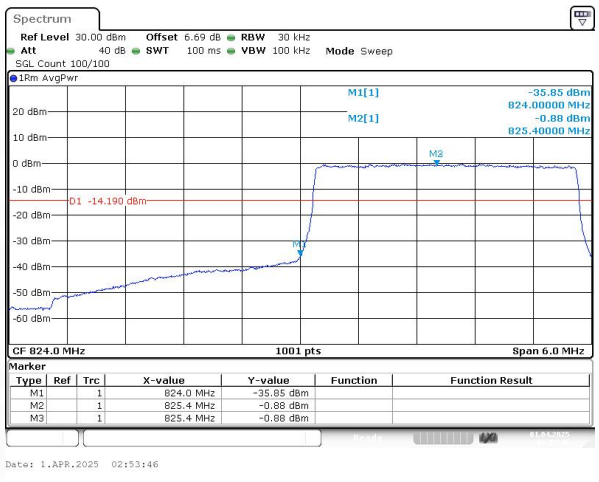
Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



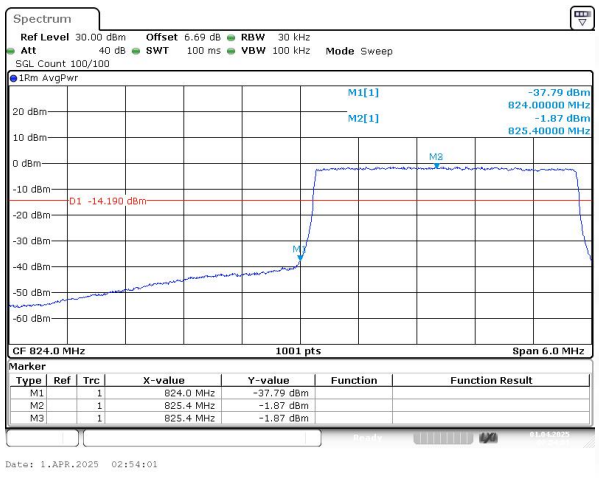
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



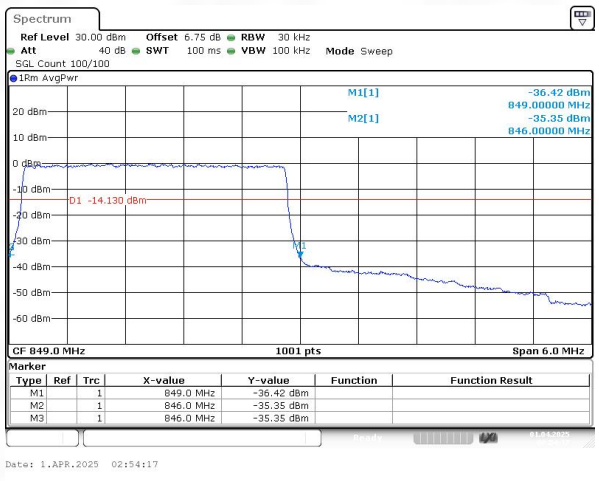
Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



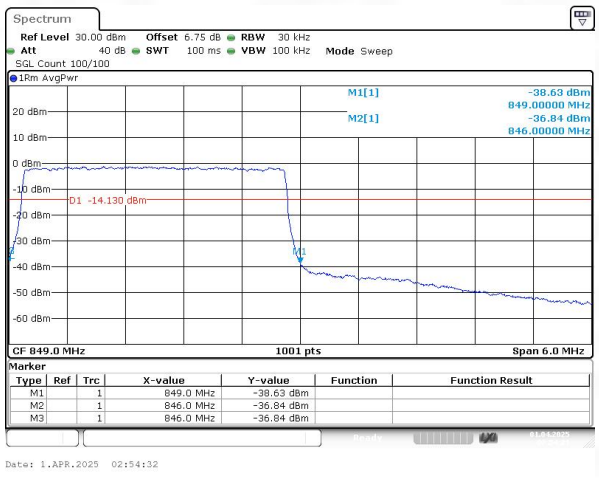
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



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

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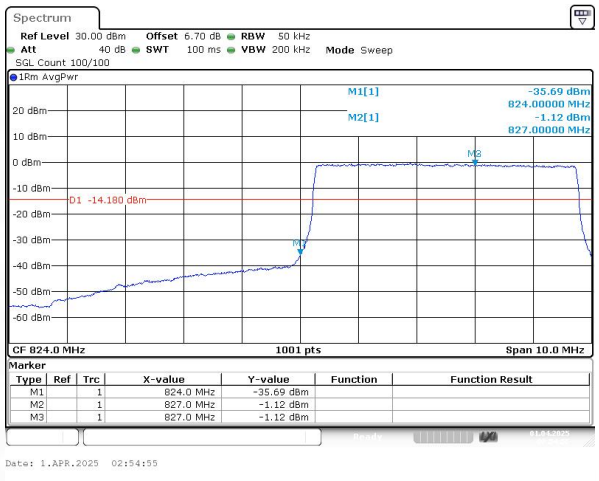
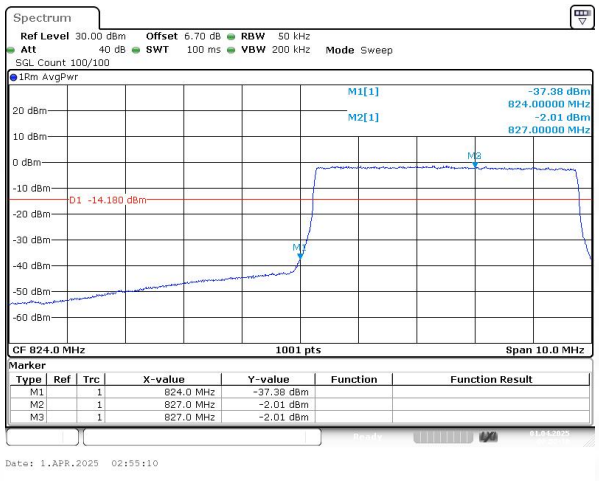
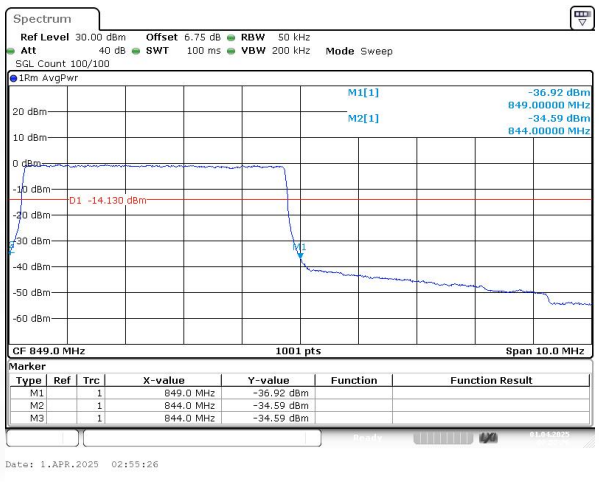


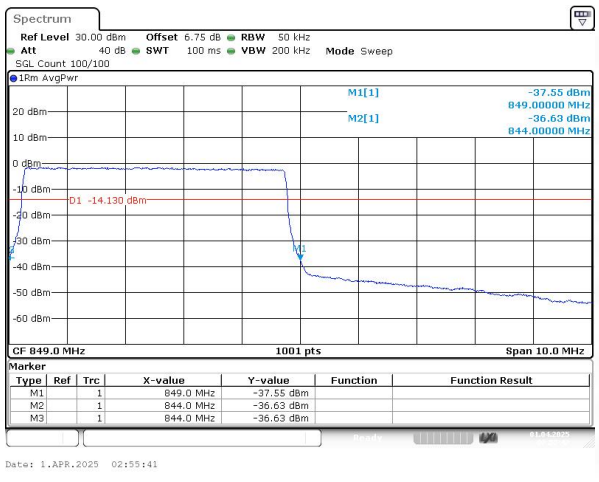
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



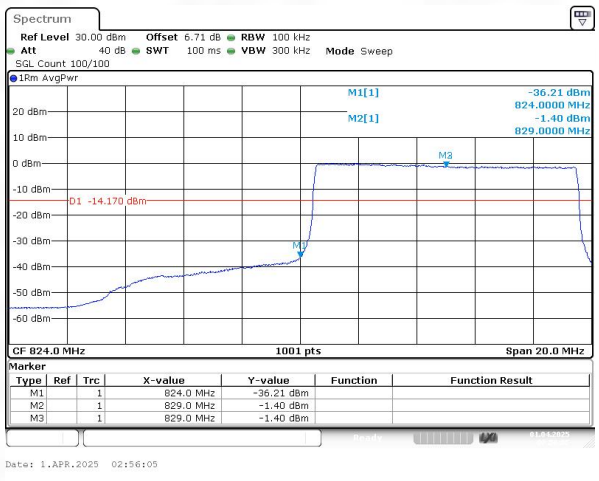
Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



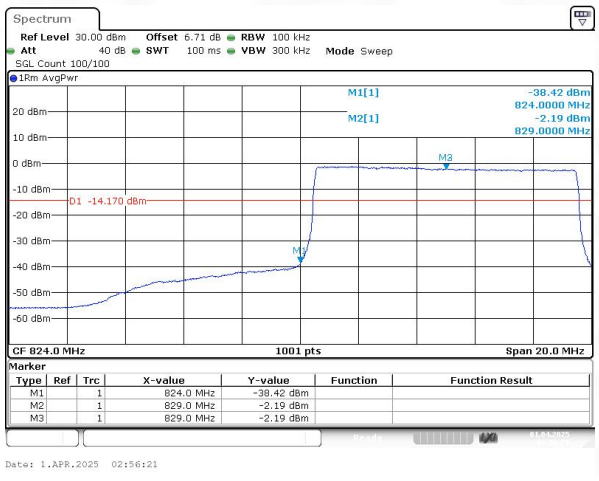
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



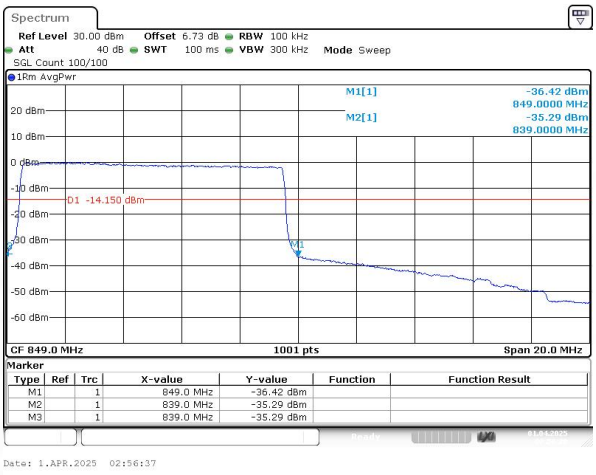
Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



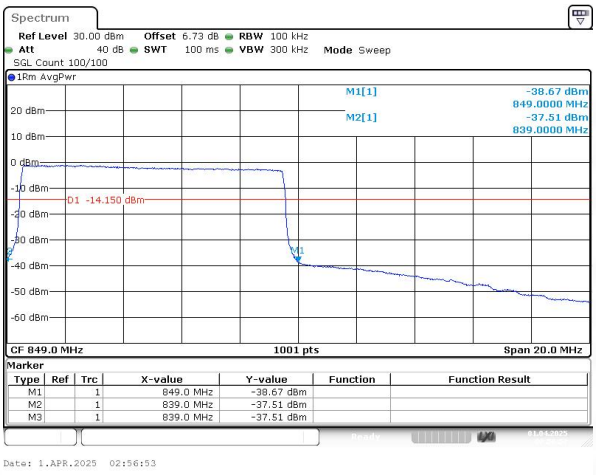
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



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



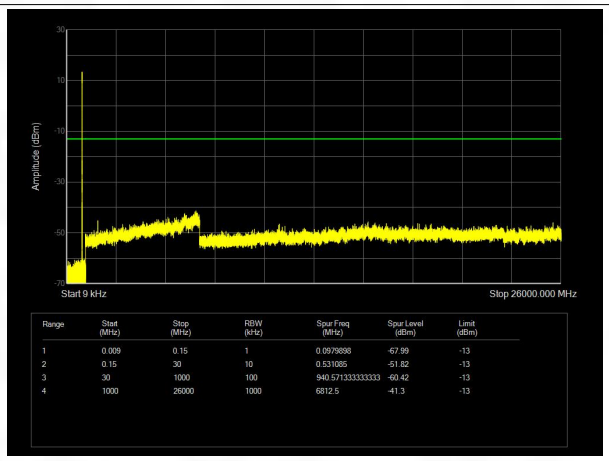
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



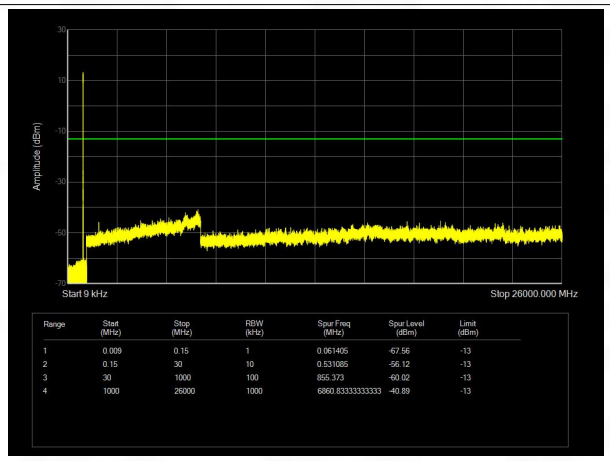
Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0

Out-of-band emissions

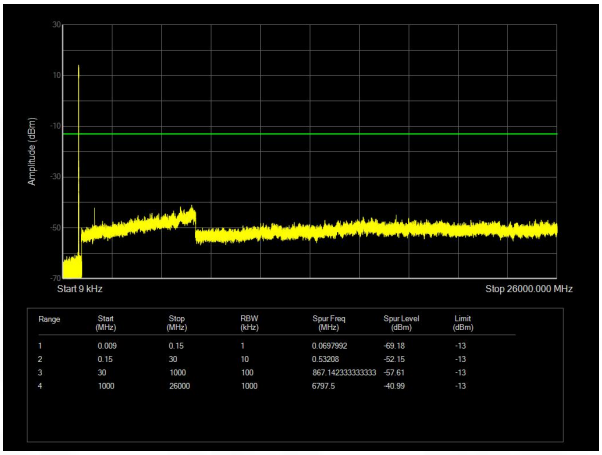
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QAM16	6860.83	-40.89	-13	PASS
Band5	1.4	20643	6	#0	QAM16	6731.67	-41.54	-13	PASS
Band5	3	20415	15	#0	QAM16	6240	-41.4	-13	PASS
Band5	3	20635	15	#0	QAM16	6635	-41.76	-13	PASS
Band5	5	20425	25	#0	QAM16	6478.33	-41.97	-13	PASS
Band5	5	20625	25	#0	QAM16	6755	-41.27	-13	PASS
Band5	10	20450	50	#0	QAM16	6706.67	-41.08	-13	PASS
Band5	10	20600	50	#0	QAM16	6812.5	-40.82	-13	PASS
Band5	1.4	20407	6	#0	QPSK	6812.5	-41.3	-13	PASS
Band5	1.4	20643	6	#0	QPSK	6797.5	-40.99	-13	PASS
Band5	3	20415	15	#0	QPSK	6795	-41.34	-13	PASS
Band5	3	20635	15	#0	QPSK	6852.5	-40.97	-13	PASS
Band5	5	20425	25	#0	QPSK	6681.67	-40.94	-13	PASS
Band5	5	20625	25	#0	QPSK	6194.17	-41.16	-13	PASS
Band5	10	20450	50	#0	QPSK	6951.67	-41.83	-13	PASS
Band5	10	20600	50	#0	QPSK	6204.17	-41.59	-13	PASS



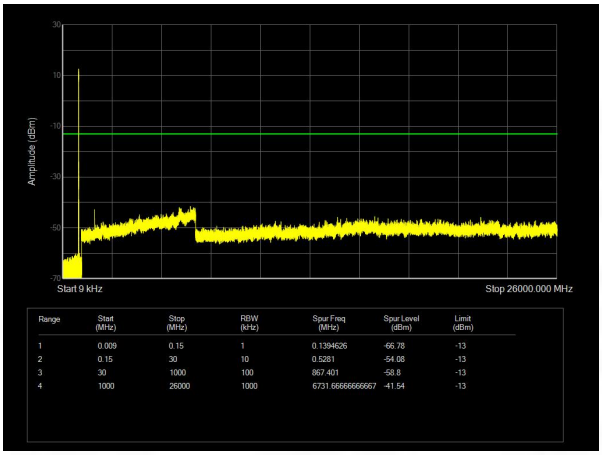
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



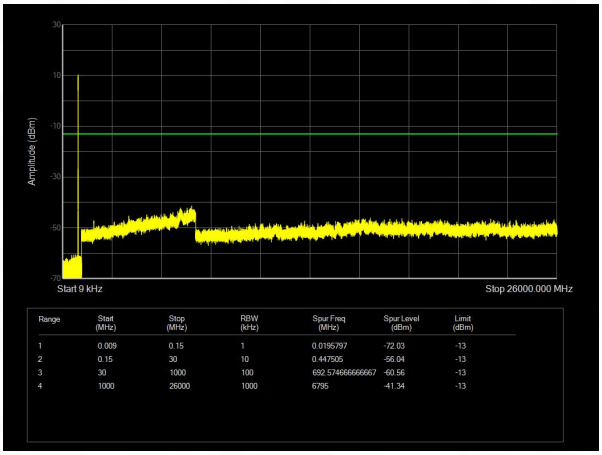
Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



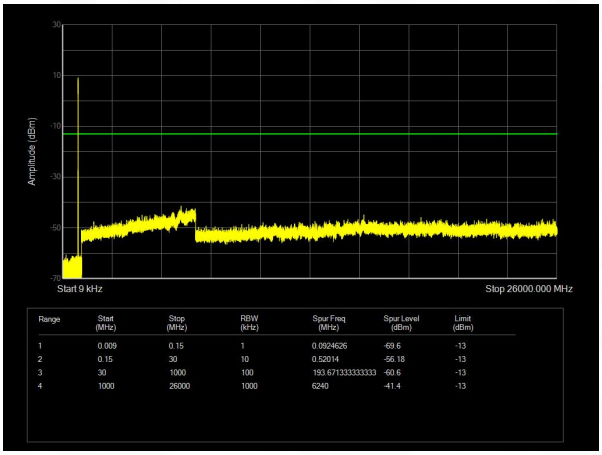
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



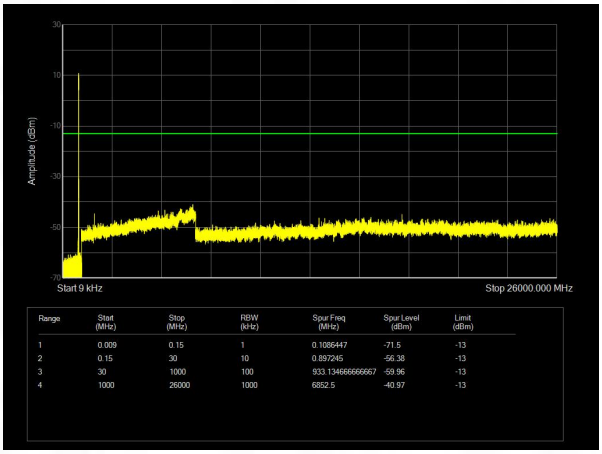
Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



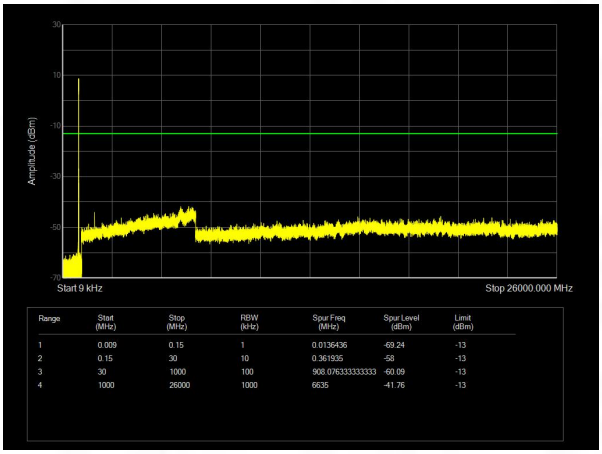
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



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

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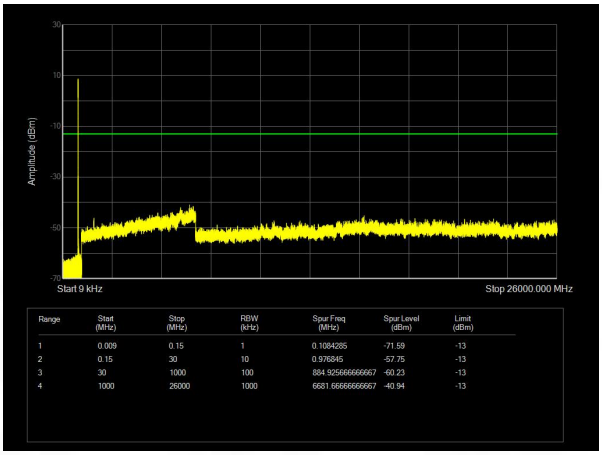
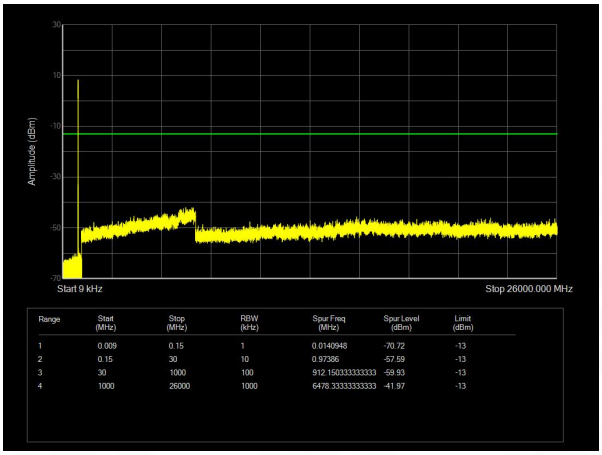


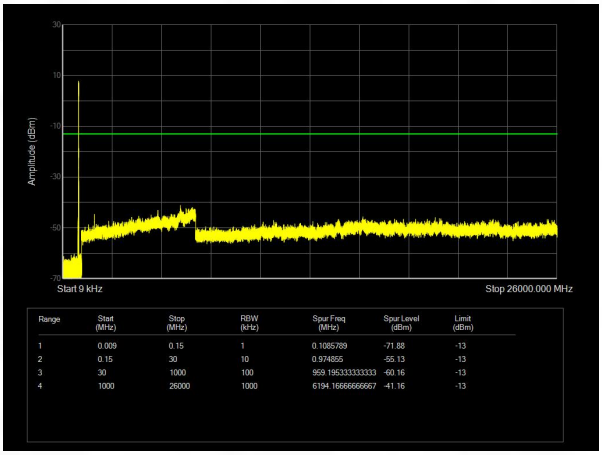
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1084285	-71.59	-13
2	0.15	30	10	0.976845	-57.75	-13
3	30	1000	100	884.925666666667	-60.23	-13
4	1000	26000	1000	6681.66666666667	-40.94	-13

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



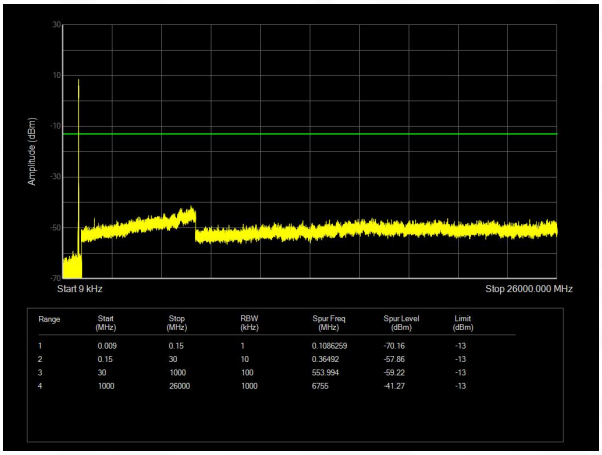
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140948	-70.72	-13
2	0.15	30	10	0.97386	-57.59	-13
3	30	1000	100	912.150333333333	-59.93	-13
4	1000	26000	1000	6478.33333333333	-41.97	-13

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



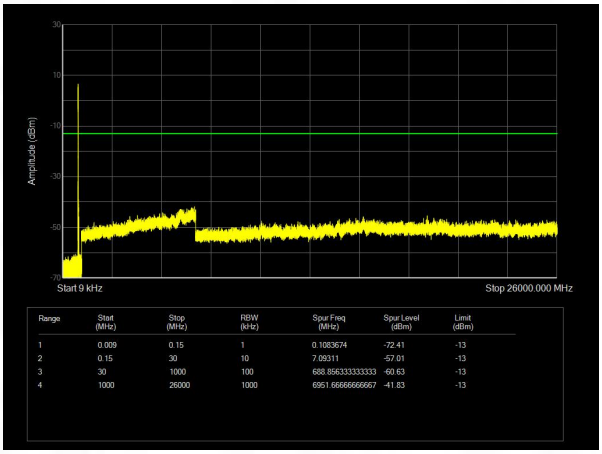
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1085789	-71.88	-13
2	0.15	30	10	0.974855	-55.13	-13
3	30	1000	100	959.196333333333	-60.16	-13
4	1000	26000	1000	6194.16666666667	-41.16	-13

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



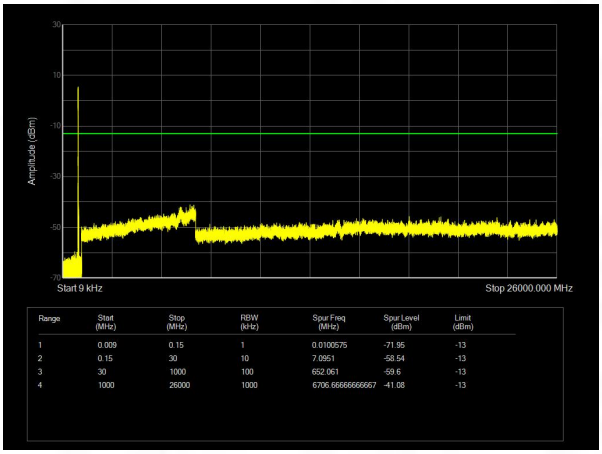
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1086259	-70.16	-13
2	0.15	30	10	0.36492	-57.86	-13
3	30	1000	100	553.994	-59.22	-13
4	1000	26000	1000	6755	-41.27	-13

Band5 QAM16 BW=5MHz Channel=20625 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	0.1083674	-72.41	-13
2	0.15	30	10	7.09311	-57.01	-13
3	30	1000	100	688.856333333333	-60.63	-13
4	1000	26000	1000	6951.66666666667	-41.83	-13

Band5 QPSK BW=10MHz Channel=20450 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	0.0100575	-71.95	-13
2	0.15	30	10	7.0951	-58.54	-13
3	30	1000	100	652.061	-59.6	-13
4	1000	26000	1000	6706.66666666667	-41.08	-13

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

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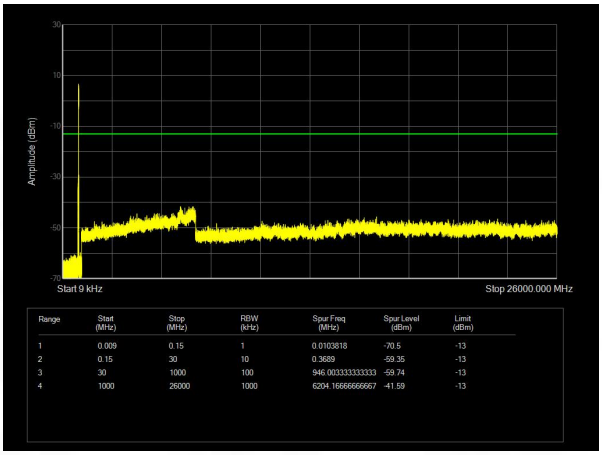	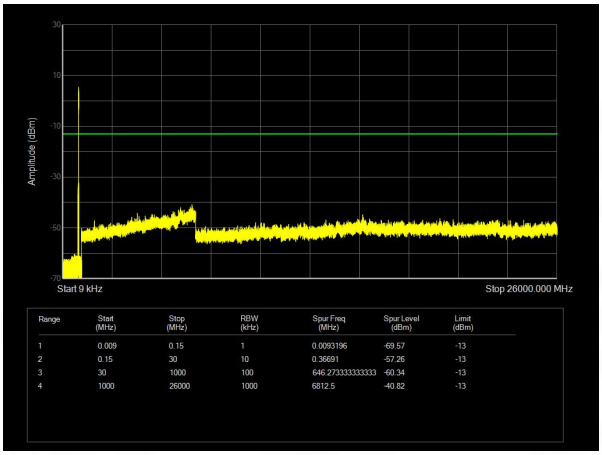
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0	Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0