Appendix-LTE Band 12 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
Band12	1.4	23017	1	#0	QAM16	23.19	-7.5	13.54	34.77	PASS
Band12	1.4	23017	1	#Mid	QAM16	23.39	-7.5	13.74	34.77	PASS
Band12	1.4	23017	1	#Max	QAM16	23.26	-7.5	13.61	34.77	PASS
Band12	1.4	23017	3	#0	QAM16	23.56	-7.5	13.91	34.77	PASS
Band12	1.4	23017	3	#Mid	QAM16	23.57	-7.5	13.92	34.77	PASS
Band12	1.4	23017	3	#Max	QAM16	23.60	-7.5	13.95	34.77	PASS
Band12	1.4	23017	6	#0	QAM16	22.65	-7.5	13.00	34.77	PASS
Band12	1.4	23095	1	#0	QAM16	23.76	-7.5	14.11	34.77	PASS
Band12	1.4	23095	1	#Mid	QAM16	23.90	-7.5	14.25	34.77	PASS
Band12	1.4	23095	1	#Max	QAM16	23.75	-7.5	14.10	34.77	PASS
Band12	1.4	23095	3	#0	QAM16	23.81	-7.5	14.16	34.77	PASS
Band12	1.4	23095	3	#Mid	QAM16	23.82	-7.5	14.17	34.77	PASS
Band12	1.4	23095	3	#Max	QAM16	23.75	-7.5	14.10	34.77	PASS
Band12	1.4	23095	6	#0	QAM16	22.80	-7.5	13.15	34.77	PASS
Band12	1.4	23173	1	#0	QAM16	23.51	-7.5	13.86	34.77	PASS
Band12	1.4	23173	1	#Mid	QAM16	23.59	-7.5	13.94	34.77	PASS
Band12	1.4	23173	1	#Max	QAM16	23.52	-7.5	13.87	34.77	PASS
Band12	1.4	23173	3	#0	QAM16	23.56	-7.5	13.91	34.77	PASS
Band12	1.4	23173	3	#Mid	QAM16	23.63	-7.5	13.98	34.77	PASS
Band12	1.4	23173	3	#Max	QAM16	23.56	-7.5	13.91	34.77	PASS
Band12	1.4	23173	6	#0	QAM16	22.62	-7.5	12.97	34.77	PASS
Band12	3	23025	1	#0	QAM16	23.36	-7.5	13.71	34.77	PASS
Band12	3	23025	1	#Mid	QAM16	23.59	-7.5	13.94	34.77	PASS
Band12	3	23025	1	#Max	QAM16	23.40	-7.5	13.75	34.77	PASS
Band12	3	23025	8	#0	QAM16	22.53	-7.5	12.88	34.77	PASS
Band12	3	23025	8	#Mid	QAM16	22.58	-7.5	12.93	34.77	PASS
Band12	3	23025	8	#Max	QAM16	22.53	-7.5	12.88	34.77	PASS
Band12	3	23025	15	#0	QAM16	22.58	-7.5	12.93	34.77	PASS
Band12	3	23095	1	#0	QAM16	24.07	-7.5	14.42	34.77	PASS
Band12	3	23095	1	#Mid	QAM16	24.38	-7.5	14.73	34.77	PASS
Band12	3	23095	1	#Max	QAM16	24.03	-7.5	14.38	34.77	PASS
Band12	3	23095	8	#0	QAM16	22.73	-7.5	13.08	34.77	PASS
Band12	3	23095	8	#Mid	QAM16	22.72	-7.5	13.07	34.77	PASS
Band12	3	23095	8	#Max	QAM16	22.74	-7.5	13.09	34.77	PASS

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Band12	3	23095	15	#0	QAM16	22.69	-7.5	13.04	34.77	PASS
Band12	3	23165	1	#0	QAM16	23.65	-7.5	14.00	34.77	PASS
Band12	3	23165	1	#Mid	QAM16	23.95	-7.5	14.30	34.77	PASS
Band12	3	23165	1	#Max	QAM16	23.60	-7.5	13.95	34.77	PASS
Band12	3	23165	8	#0	QAM16	22.58	-7.5	12.93	34.77	PASS
Band12	3	23165	8	#Mid	QAM16	22.60	-7.5	12.95	34.77	PASS
Band12	3	23165	8	#Max	QAM16	22.48	-7.5	12.83	34.77	PASS
Band12	3	23165	15	#0	QAM16	22.48	-7.5	12.83	34.77	PASS
Band12	5	23035	1	#0	QAM16	23.76	-7.5	14.11	34.77	PASS
Band12	5	23035	1	#Mid	QAM16	24.01	-7.5	14.36	34.77	PASS
Band12	5	23035	1	#Max	QAM16	23.97	-7.5	14.32	34.77	PASS
Band12	5	23035	12	#0	QAM16	22.49	-7.5	12.84	34.77	PASS
Band12	5	23035	12	#Mid	QAM16	22.56	-7.5	12.91	34.77	PASS
Band12	5	23035	12	#Max	QAM16	22.44	-7.5	12.79	34.77	PASS
Band12	5	23035	25	#0	QAM16	22.45	-7.5	12.80	34.77	PASS
Band12	5	23095	1	#0	QAM16	23.80	-7.5	14.15	34.77	PASS
Band12	5	23095	1	#Mid	QAM16	24.15	-7.5	14.50	34.77	PASS
Band12	5	23095	1	#Max	QAM16	23.72	-7.5	14.07	34.77	PASS
Band12	5	23095	12	#0	QAM16	22.53	-7.5	12.88	34.77	PASS
Band12	5	23095	12	#Mid	QAM16	22.58	-7.5	12.93	34.77	PASS
Band12	5	23095	12	#Max	QAM16	22.54	-7.5	12.89	34.77	PASS
Band12	5	23095	25	#0	QAM16	22.65	-7.5	13.00	34.77	PASS
Band12	5	23155	1	#0	QAM16	23.65	-7.5	14.00	34.77	PASS
Band12	5	23155	1	#Mid	QAM16	24.06	-7.5	14.41	34.77	PASS
Band12	5	23155	1	#Max	QAM16	23.50	-7.5	13.85	34.77	PASS
Band12	5	23155	12	#0	QAM16	22.47	-7.5	12.82	34.77	PASS
Band12	5	23155	12	#Mid	QAM16	22.52	-7.5	12.87	34.77	PASS
Band12	5	23155	12	#Max	QAM16	22.32	-7.5	12.67	34.77	PASS
Band12	5	23155	25	#0	QAM16	22.33	-7.5	12.68	34.77	PASS
Band12	10	23060	1	#0	QAM16	23.45	-7.5	13.80	34.77	PASS
Band12	10	23060	1	#Mid	QAM16	23.87	-7.5	14.22	34.77	PASS
Band12	10	23060	1	#Max	QAM16	23.72	-7.5	14.07	34.77	PASS
Band12	10	23060	25	#0	QAM16	22.70	-7.5	13.05	34.77	PASS
Band12	10	23060	25	#Mid	QAM16	22.65	-7.5	13.00	34.77	PASS
Band12	10	23060	25	#Max	QAM16	22.68	-7.5	13.03	34.77	PASS
Band12	10	23060	50	#0	QAM16	22.71	-7.5	13.06	34.77	PASS
Band12	10	23095	1	#0	QAM16	23.31	-7.5	13.66	34.77	PASS
Band12	10	23095	1	#Mid	QAM16	23.66	-7.5	14.01	34.77	PASS
Band12	10	23095	1	#Max	QAM16	23.27	-7.5	13.62	34.77	PASS
Band12	10	23095	25	#0	QAM16	22.64	-7.5	12.99	34.77	PASS
Band12	10	23095	25	#Mid	QAM16	22.61	-7.5	12.96	34.77	PASS
Band12	10	23095	25	#Max	QAM16	22.74	-7.5	13.09	34.77	PASS
Band12	10	23095	50	#0	QAM16	22.73	-7.5	13.08	34.77	PASS
Band12	10	23130	1	#0	QAM16	23.91	-7.5	14.26	34.77	PASS
Band12	10	23130	1	#Mid	QAM16	**24.08**	-7.5	14.43	34.77	PASS

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Band12	10	23130	1	#Max	QAM16	23.69	-7.5	14.04	34.77	PASS
Band12	10	23130	25	#0	QAM16	22.52	-7.5	12.87	34.77	PASS
Band12	10	23130	25	#Mid	QAM16	22.61	-7.5	12.96	34.77	PASS
Band12	10	23130	25	#Max	QAM16	22.56	-7.5	12.91	34.77	PASS
Band12	10	23130	50	#0	QAM16	22.49	-7.5	12.84	34.77	PASS
Band12	1.4	23017	1	#0	QPSK	24.53	-7.5	14.88	34.77	PASS
Band12	1.4	23017	1	#Mid	QPSK	24.66	-7.5	15.01	34.77	PASS
Band12	1.4	23017	1	#Max	QPSK	24.54	-7.5	14.89	34.77	PASS
Band12	1.4	23017	3	#0	QPSK	24.48	-7.5	14.83	34.77	PASS
Band12	1.4	23017	3	#Mid	QPSK	24.47	-7.5	14.82	34.77	PASS
Band12	1.4	23017	3	#Max	QPSK	24.54	-7.5	14.89	34.77	PASS
Band12	1.4	23017	6	#0	QPSK	23.43	-7.5	13.78	34.77	PASS
Band12	1.4	23095	1	#0	QPSK	24.67	-7.5	15.02	34.77	PASS
Band12	1.4	23095	1	#Mid	QPSK	24.86	-7.5	15.21	34.77	PASS
Band12	1.4	23095	1	#Max	QPSK	24.65	-7.5	15.00	34.77	PASS
Band12	1.4	23095	3	#0	QPSK	24.62	-7.5	14.97	34.77	PASS
Band12	1.4	23095	3	#Mid	QPSK	24.61	-7.5	14.96	34.77	PASS
Band12	1.4	23095	3	#Max	QPSK	24.64	-7.5	14.99	34.77	PASS
Band12	1.4	23095	6	#0	QPSK	23.62	-7.5	13.97	34.77	PASS
Band12	1.4	23173	1	#0	QPSK	24.40	-7.5	14.75	34.77	PASS
Band12	1.4	23173	1	#Mid	QPSK	24.55	-7.5	14.90	34.77	PASS
Band12	1.4	23173	1	#Max	QPSK	24.37	-7.5	14.72	34.77	PASS
Band12	1.4	23173	3	#0	QPSK	24.49	-7.5	14.84	34.77	PASS
Band12	1.4	23173	3	#Mid	QPSK	24.47	-7.5	14.82	34.77	PASS
Band12	1.4	23173	3	#Max	QPSK	24.42	-7.5	14.77	34.77	PASS
Band12	1.4	23173	6	#0	QPSK	23.47	-7.5	13.82	34.77	PASS
Band12	3	23025	1	#0	QPSK	24.58	-7.5	14.93	34.77	PASS
Band12	3	23025	1	#Mid	QPSK	24.71	-7.5	15.06	34.77	PASS
Band12	3	23025	1	#Max	QPSK	24.69	-7.5	15.04	34.77	PASS
Band12	3	23025	8	#0	QPSK	23.52	-7.5	13.87	34.77	PASS
Band12	3	23025	8	#Mid	QPSK	23.62	-7.5	13.97	34.77	PASS
Band12	3	23025	8	#Max	QPSK	23.54	-7.5	13.89	34.77	PASS
Band12	3	23025	15	#0	QPSK	23.51	-7.5	13.86	34.77	PASS
Band12	3	23095	1	#0	QPSK	24.67	-7.5	15.02	34.77	PASS
Band12	3	23095	1	#Mid	QPSK	24.78	-7.5	15.13	34.77	PASS
Band12	3	23095	1	#Max	QPSK	24.65	-7.5	15.00	34.77	PASS
Band12	3	23095	8	#0	QPSK	23.68	-7.5	14.03	34.77	PASS
Band12	3	23095	8	#Mid	QPSK	23.66	-7.5	14.01	34.77	PASS
Band12	3	23095	8	#Max	QPSK	23.70	-7.5	14.05	34.77	PASS
Band12	3	23095	15	#0	QPSK	23.59	-7.5	13.94	34.77	PASS
Band12	3	23165	1	#0	QPSK	24.56	-7.5	14.91	34.77	PASS
Band12	3	23165	1	#Mid	QPSK	24.77	-7.5	15.12	34.77	PASS
Band12	3	23165	1	#Max	QPSK	24.55	-7.5	14.90	34.77	PASS
Band12	3	23165	8	#0	QPSK	23.59	-7.5	13.94	34.77	PASS
Band12	3	23165	8	#Mid	QPSK	23.60	-7.5	13.95	34.77	PASS

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Band12	3	23165	8	#Max	QPSK	23.55	-7.5	13.90	34.77	PASS
Band12	3	23165	15	#0	QPSK	23.51	-7.5	13.86	34.77	PASS
Band12	5	23035	1	#0	QPSK	24.33	-7.5	14.68	34.77	PASS
Band12	5	23035	1	#Mid	QPSK	**24.90**	-7.5	15.25	34.77	PASS
Band12	5	23035	1	#Max	QPSK	24.46	-7.5	14.81	34.77	PASS
Band12	5	23035	12	#0	QPSK	23.48	-7.5	13.83	34.77	PASS
Band12	5	23035	12	#Mid	QPSK	23.55	-7.5	13.90	34.77	PASS
Band12	5	23035	12	#Max	QPSK	23.43	-7.5	13.78	34.77	PASS
Band12	5	23035	25	#0	QPSK	23.43	-7.5	13.78	34.77	PASS
Band12	5	23095	1	#0	QPSK	24.53	-7.5	14.88	34.77	PASS
Band12	5	23095	1	#Mid	QPSK	24.70	-7.5	15.05	34.77	PASS
Band12	5	23095	1	#Max	QPSK	24.44	-7.5	14.79	34.77	PASS
Band12	5	23095	12	#0	QPSK	23.55	-7.5	13.90	34.77	PASS
Band12	5	23095	12	#Mid	QPSK	23.61	-7.5	13.96	34.77	PASS
Band12	5	23095	12	#Max	QPSK	23.58	-7.5	13.93	34.77	PASS
Band12	5	23095	25	#0	QPSK	23.58	-7.5	13.93	34.77	PASS
Band12	5	23155	1	#0	QPSK	24.37	-7.5	14.72	34.77	PASS
Band12	5	23155	1	#Mid	QPSK	24.51	-7.5	14.86	34.77	PASS
Band12	5	23155	1	#Max	QPSK	24.27	-7.5	14.62	34.77	PASS
Band12	5	23155	12	#0	QPSK	23.44	-7.5	13.79	34.77	PASS
Band12	5	23155	12	#Mid	QPSK	23.49	-7.5	13.84	34.77	PASS
Band12	5	23155	12	#Max	QPSK	23.36	-7.5	13.71	34.77	PASS
Band12	5	23155	25	#0	QPSK	23.35	-7.5	13.70	34.77	PASS
Band12	10	23060	1	#0	QPSK	24.37	-7.5	14.72	34.77	PASS
Band12	10	23060	1	#Mid	QPSK	24.75	-7.5	15.10	34.77	PASS
Band12	10	23060	1	#Max	QPSK	24.61	-7.5	14.96	34.77	PASS
Band12	10	23060	25	#0	QPSK	23.69	-7.5	14.04	34.77	PASS
Band12	10	23060	25	#Mid	QPSK	23.66	-7.5	14.01	34.77	PASS
Band12	10	23060	25	#Max	QPSK	23.69	-7.5	14.04	34.77	PASS
Band12	10	23060	50	#0	QPSK	23.62	-7.5	13.97	34.77	PASS
Band12	10	23095	1	#0	QPSK	24.56	-7.5	14.91	34.77	PASS
Band12	10	23095	1	#Mid	QPSK	**24.81**	-7.5	15.16	34.77	PASS
Band12	10	23095	1	#Max	QPSK	24.54	-7.5	14.89	34.77	PASS
Band12	10	23095	25	#0	QPSK	23.65	-7.5	14.00	34.77	PASS
Band12	10	23095	25	#Mid	QPSK	23.58	-7.5	13.93	34.77	PASS
Band12	10	23095	25	#Max	QPSK	23.77	-7.5	14.12	34.77	PASS
Band12	10	23095	50	#0	QPSK	23.67	-7.5	14.02	34.77	PASS
Band12	10	23130	1	#0	QPSK	24.54	-7.5	14.89	34.77	PASS
Band12	10	23130	1	#Mid	QPSK	24.68	-7.5	15.03	34.77	PASS
Band12	10	23130	1	#Max	QPSK	24.40	-7.5	14.75	34.77	PASS
Band12	10	23130	25	#0	QPSK	23.48	-7.5	13.83	34.77	PASS
Band12	10	23130	25	#Mid	QPSK	23.54	-7.5	13.89	34.77	PASS
Band12	10	23130	25	#Max	QPSK	23.53	-7.5	13.88	34.77	PASS
Band12	10	23130	50	#0	QPSK	23.48	-7.5	13.83	34.77	PASS

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Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatur(℃)	Result (Hz)	Result (ppm)	Verdict
Band7	10	23095	50	#0	QPSK	VL	NT	-10.50	-0.015	PASS
Band7	10	23095	50	#0	QPSK	VN	NT	-9.76	-0.014	PASS
Band7	10	23095	50	#0	QPSK	VH	NT	-3.12	-0.004	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Verdict
Band7	10	23095	50	#0	QPSK	NV	-30	-0.82	-0.001	PASS
Band7	10	23095	50	#0	QPSK	NV	-20	1.27	0.002	PASS
Band7	10	23095	50	#0	QPSK	NV	-10	-0.79	-0.001	PASS
Band7	10	23095	50	#0	QPSK	NV	0	-1.59	-0.002	PASS
Band7	10	23095	50	#0	QPSK	NV	10	-1.1	-0.001	PASS
Band7	10	23095	50	#0	QPSK	NV	20	-0.56	-0.001	PASS
Band7	10	23095	50	#0	QPSK	NV	30	-3.39	-0.005	PASS
Band7	10	23095	50	#0	QPSK	NV	40	-3.25	-0.005	PASS
Band7	10	23095	50	#0	QPSK	NV	50	-4.05	-0.006	PASS

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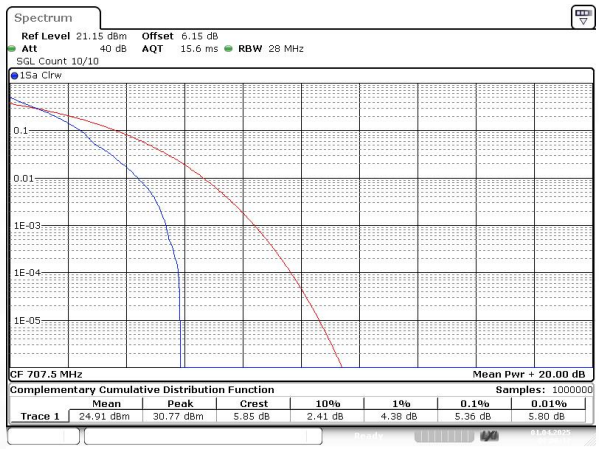
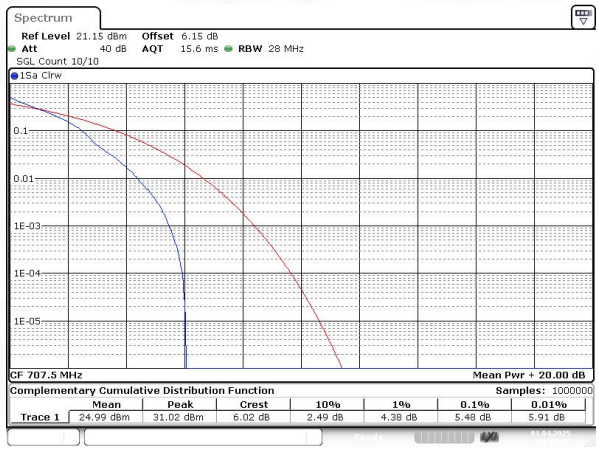
Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band12	1.4	23095	1	#0	QAM16	5.94	13	PASS
Band12	3	23095	1	#0	QAM16	6.49	13	PASS
Band12	5	23095	1	#0	QAM16	6.09	13	PASS
Band12	10	23095	1	#0	QAM16	5.8	13	PASS
Band12	1.4	23095	1	#0	QPSK	5.36	13	PASS
Band12	3	23095	1	#0	QPSK	5.48	13	PASS
Band12	5	23095	1	#0	QPSK	5.65	13	PASS
Band12	10	23095	1	#0	QPSK	4.84	13	PASS



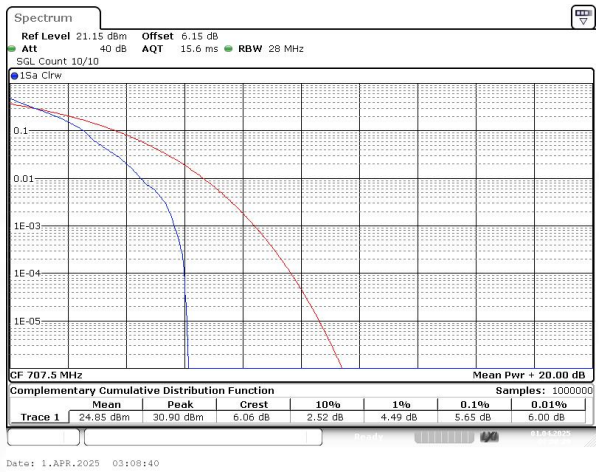
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0

Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=1 Position=#0

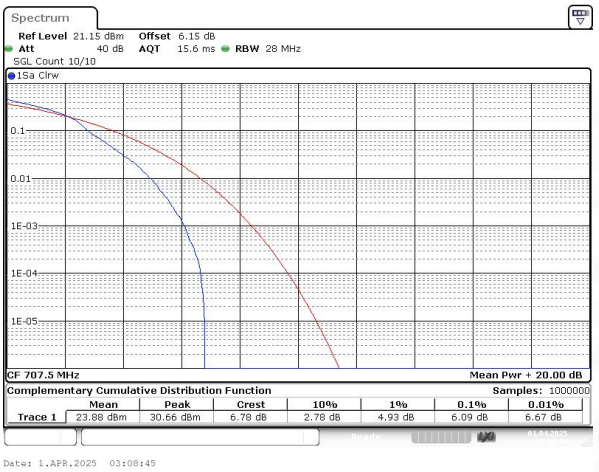


Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0

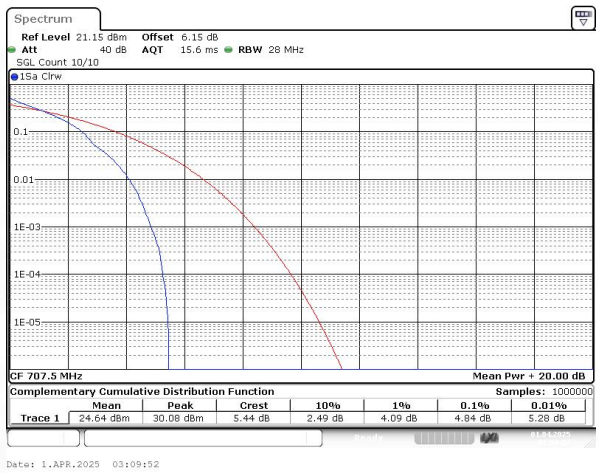
Band12 QAM16 BW=3MHz Channel=23095 RB Size=1 Position=#0



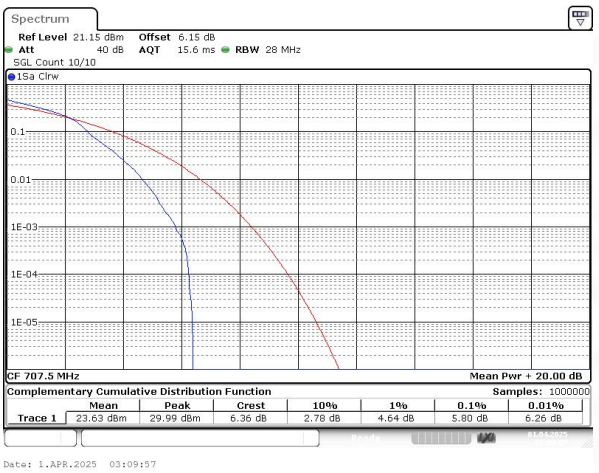
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



Band12 QAM16 BW=5MHz Channel=23095 RB Size=1 Position=#0



Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



Band12 QAM16 BW=10MHz Channel=23095 RB Size=1 Position=#0

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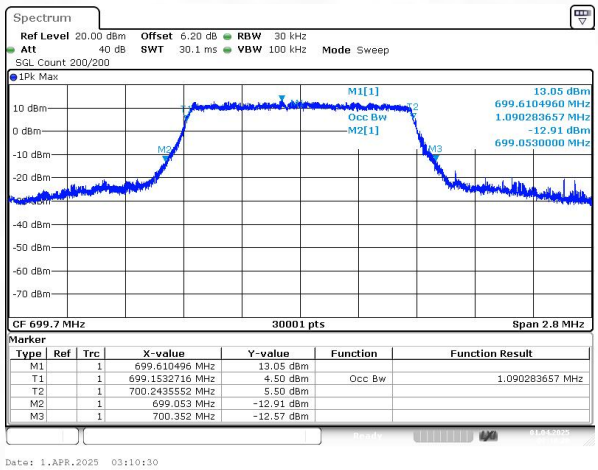
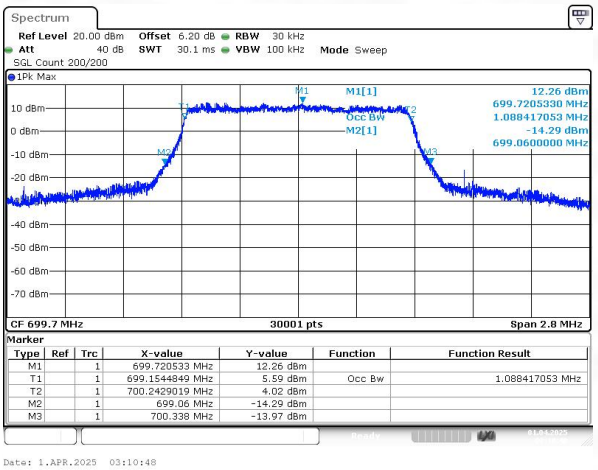
Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band12	1.4	23017	6	#0	QAM16	1.088	1.277	PASS
Band12	1.4	23095	6	#0	QAM16	1.092	1.285	PASS
Band12	1.4	23173	6	#0	QAM16	1.097	1.312	PASS
Band12	3	23025	15	#0	QAM16	2.718	2.979	PASS
Band12	3	23095	15	#0	QAM16	2.713	2.988	PASS
Band12	3	23165	15	#0	QAM16	2.718	2.999	PASS
Band12	5	23035	25	#0	QAM16	4.512	5.185	PASS
Band12	5	23095	25	#0	QAM16	4.509	5.182	PASS
Band12	5	23155	25	#0	QAM16	4.517	5.176	PASS
Band12	10	23060	50	#0	QAM16	9.001	10.101	PASS
Band12	10	23095	50	#0	QAM16	9.004	10.165	PASS
Band12	10	23130	50	#0	QAM16	**8.976**	10.027	PASS
Band12	1.4	23017	6	#0	QPSK	1.09	1.3	PASS
Band12	1.4	23095	6	#0	QPSK	1.096	1.276	PASS
Band12	1.4	23173	6	#0	QPSK	1.094	1.327	PASS
Band12	3	23025	15	#0	QPSK	2.721	2.983	PASS
Band12	3	23095	15	#0	QPSK	2.724	2.992	PASS
Band12	3	23165	15	#0	QPSK	2.722	2.991	PASS
Band12	5	23035	25	#0	QPSK	**4.506**	5.168	PASS
Band12	5	23095	25	#0	QPSK	4.524	5.198	PASS
Band12	5	23155	25	#0	QPSK	4.507	5.125	PASS
Band12	10	23060	50	#0	QPSK	8.992	10.098	PASS
Band12	10	23095	50	#0	QPSK	**9.006**	10.193	PASS
Band12	10	23130	50	#0	QPSK	8.982	10.425	PASS



Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0

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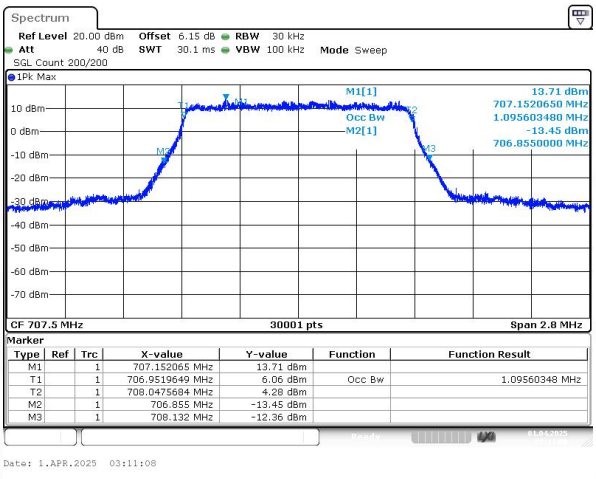
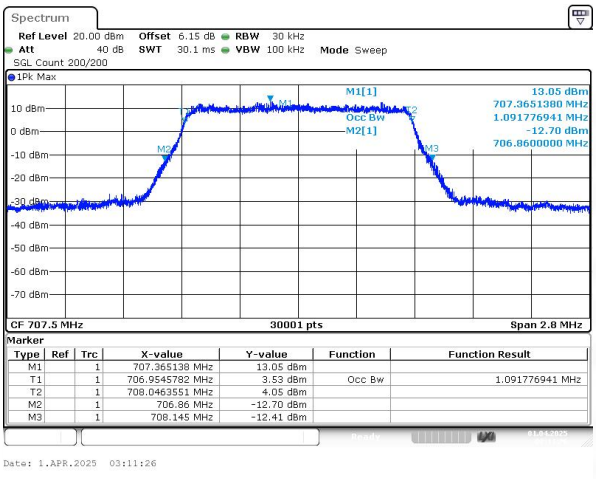
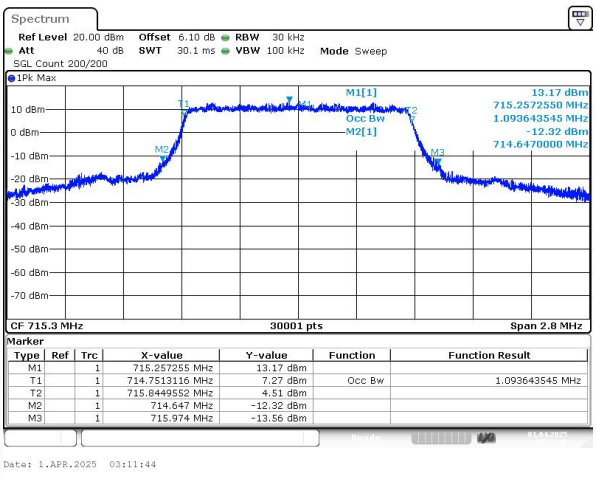


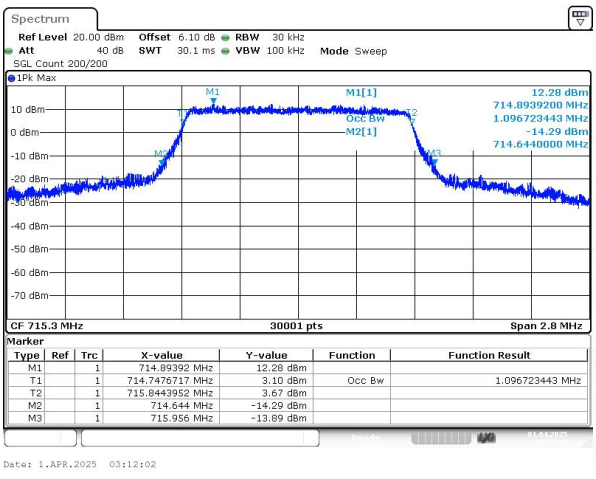
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=6 Position=#0



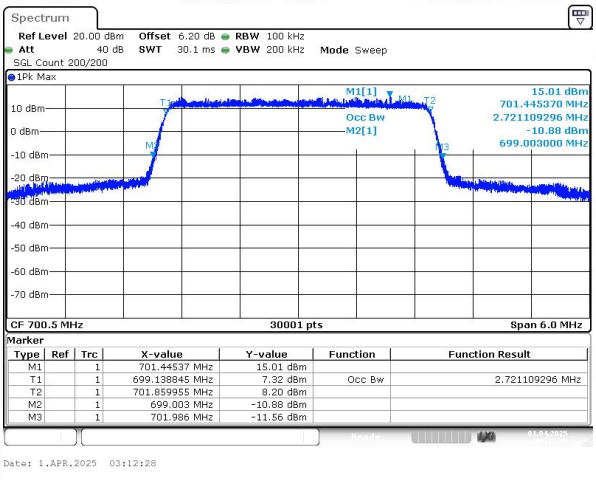
Band12 QAM16 BW=1.4MHz Channel=23095 RB Size=6 Position=#0



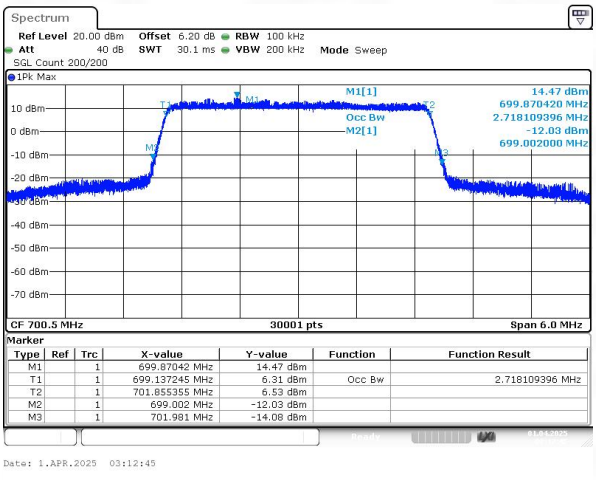
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0

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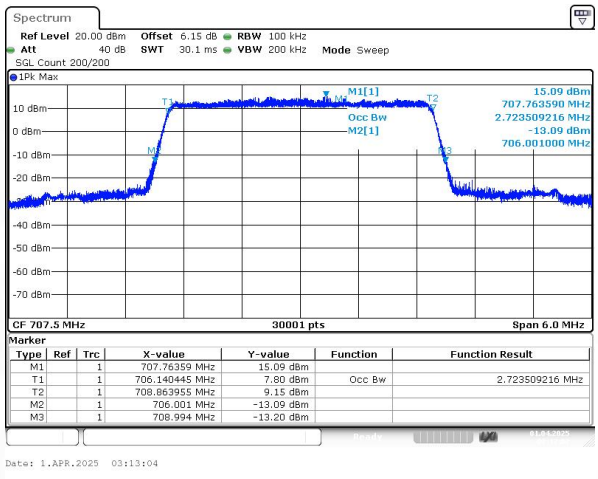
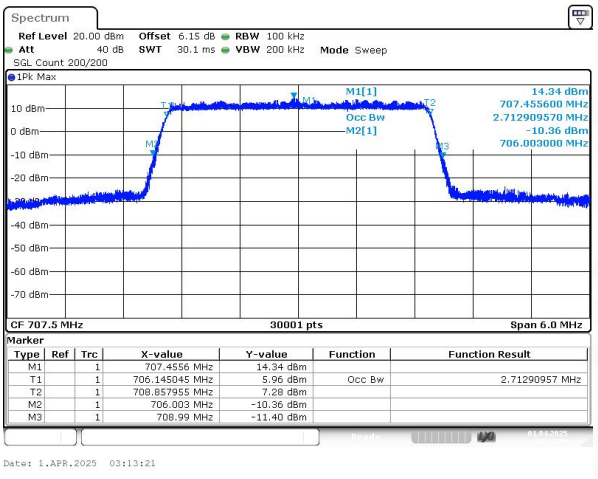
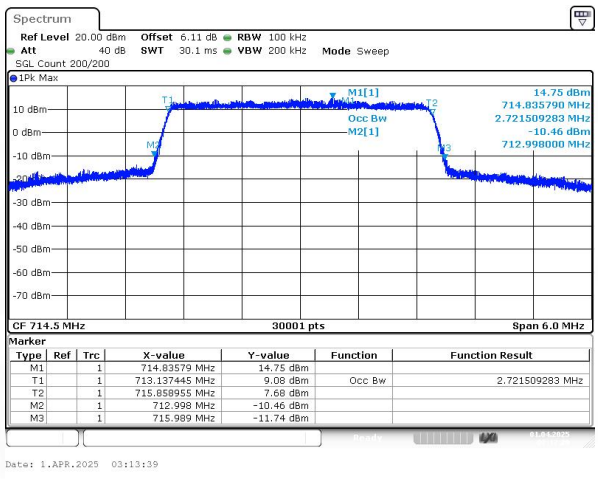


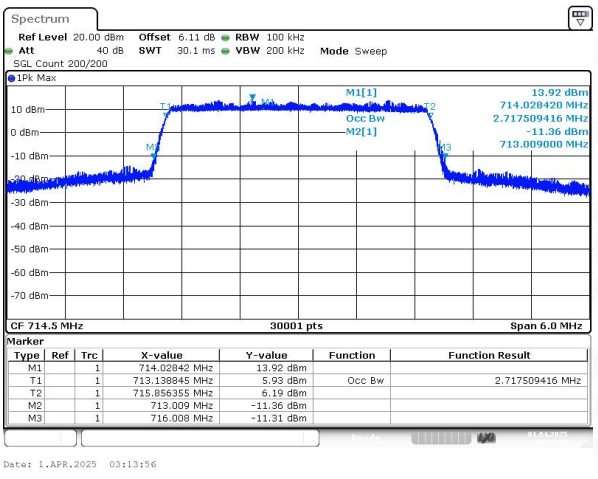
Band12 QPSK BW=3MHz Channel=23095 RB Size=15 Position=#0



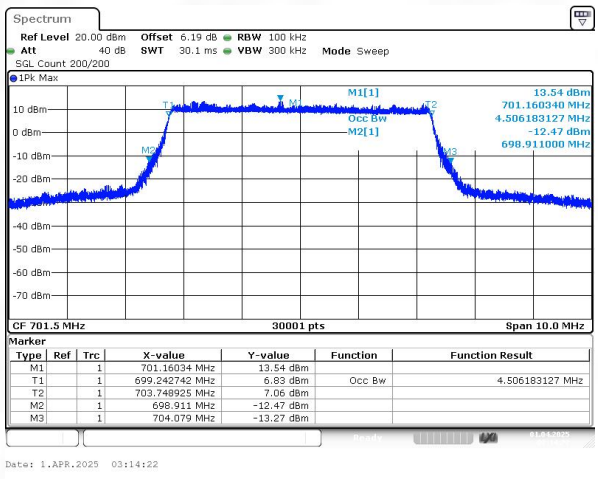
Band12 QAM16 BW=3MHz Channel=23095 RB Size=15 Position=#0



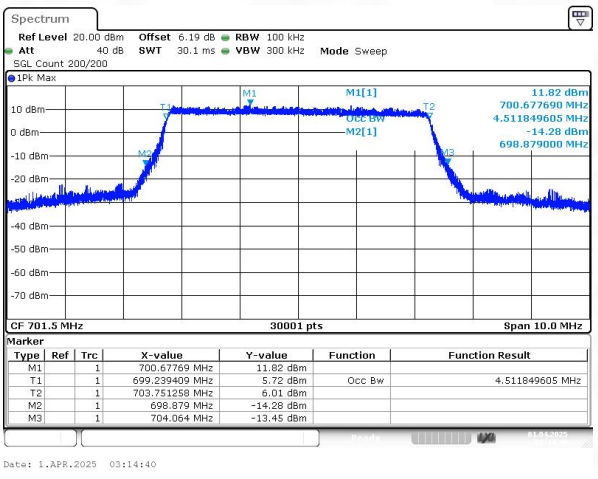
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0



Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0

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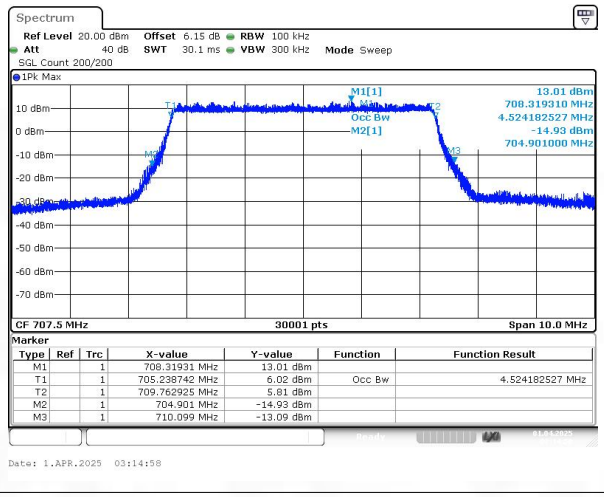
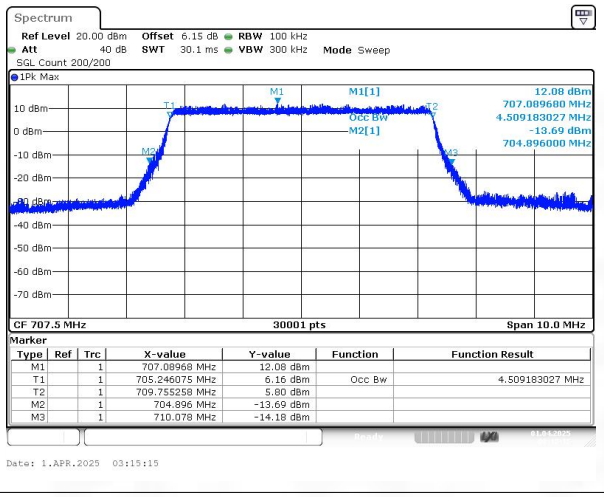
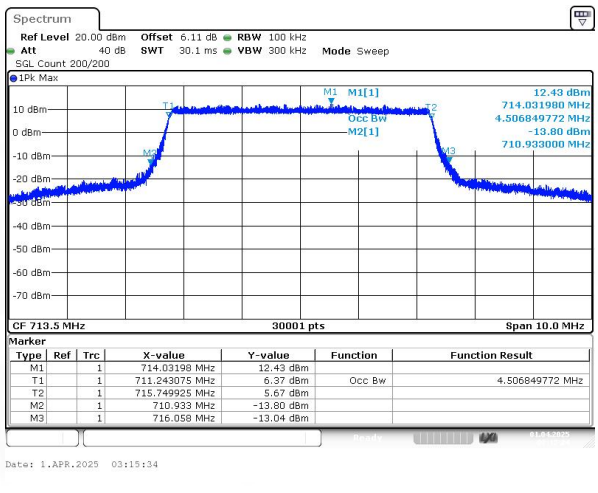


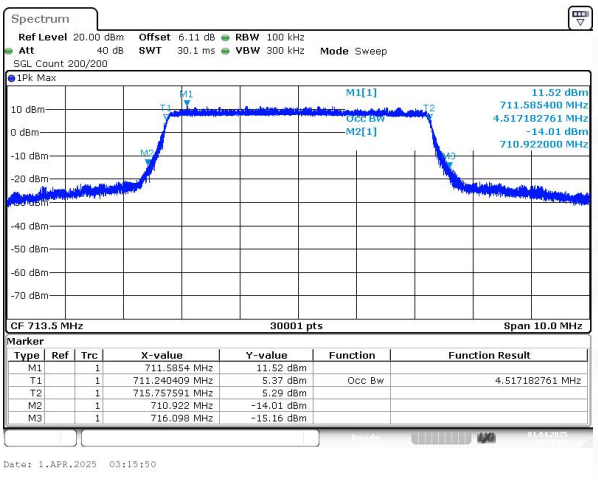
Band12 QPSK BW=5MHz Channel=23095 RB Size=25 Position=#0



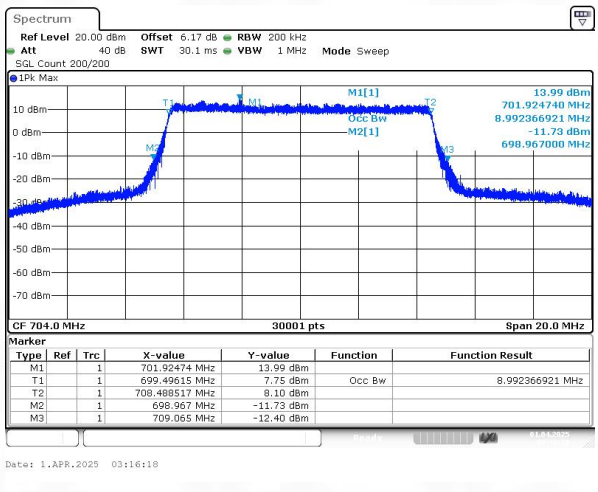
Band12 QAM16 BW=5MHz Channel=23095 RB Size=25 Position=#0



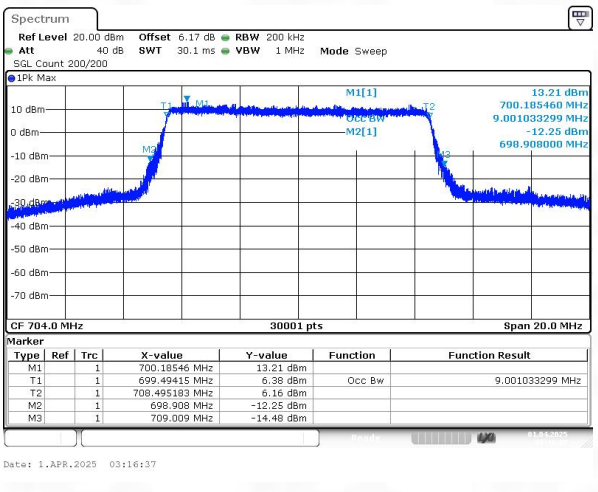
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0

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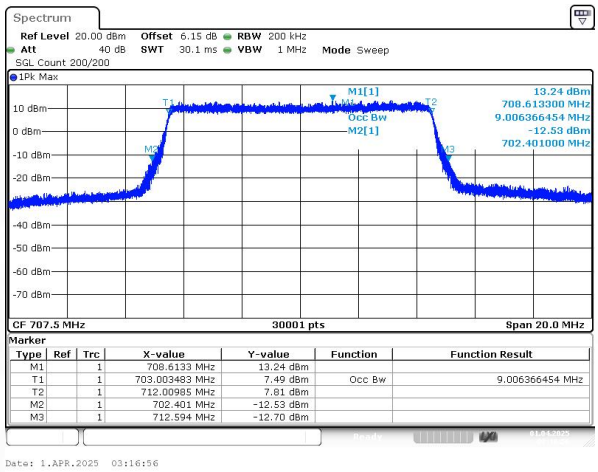
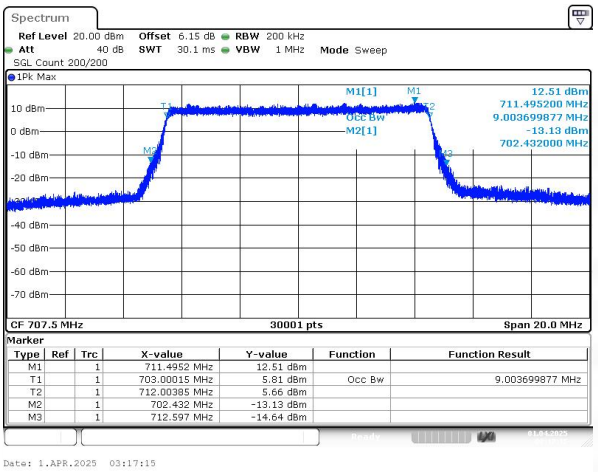
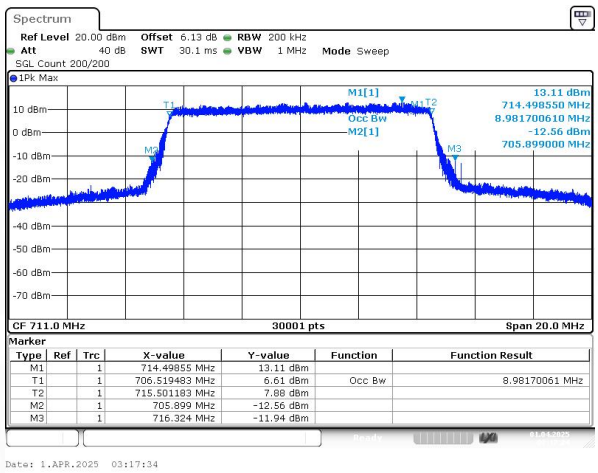


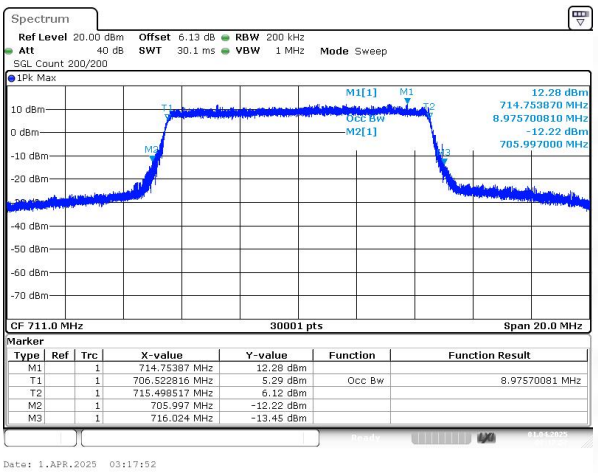
Band12 QPSK BW=10MHz Channel=23095 RB Size=50 Position=#0



Band12 QAM16 BW=10MHz Channel=23095 RB Size=50 Position=#0



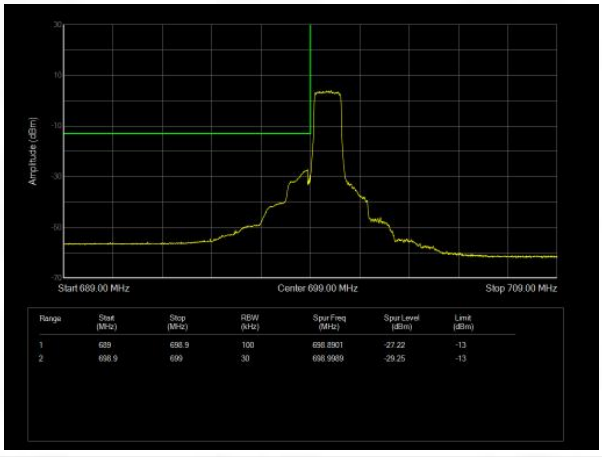
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



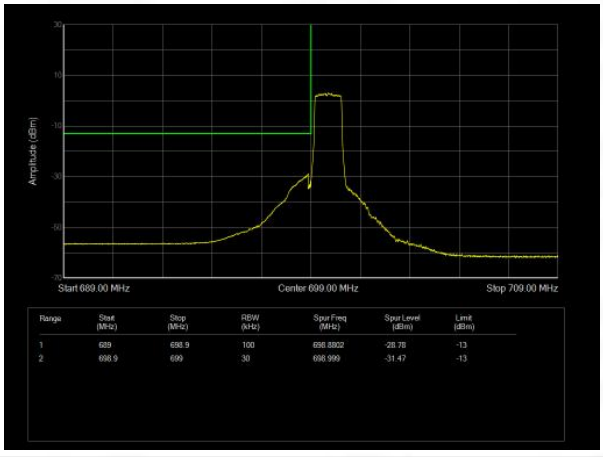
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0

Band edge

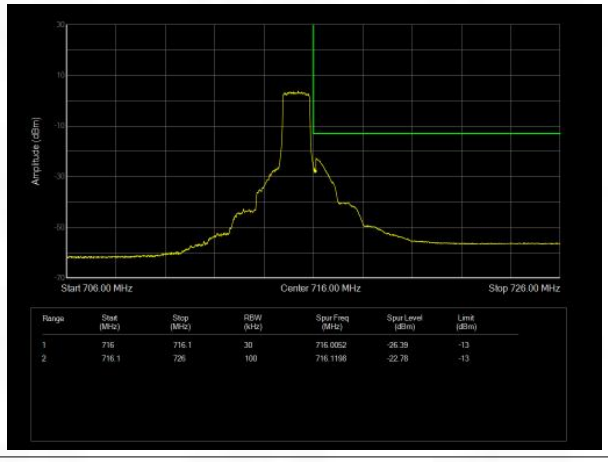
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QAM16	698.88	-28.78	-13	PASS
Band12	1.4	23173	6	#0	QAM16	716.11	-25.5	-13	PASS
Band12	3	23025	15	#0	QAM16	698.85	-32.15	-13	PASS
Band12	3	23165	15	#0	QAM16	716.12	-28.41	-13	PASS
Band12	5	23035	25	#0	QAM16	698.9	-30.39	-13	PASS
Band12	5	23155	25	#0	QAM16	716.11	-29.66	-13	PASS
Band12	10	23060	50	#0	QAM16	698.9	-35.45	-13	PASS
Band12	10	23130	50	#0	QAM16	716.11	-34.99	-13	PASS
Band12	1.4	23017	6	#0	QPSK	698.89	-27.22	-13	PASS
Band12	1.4	23173	6	#0	QPSK	716.12	-22.78	-13	PASS
Band12	3	23025	15	#0	QPSK	698.9	-29.78	-13	PASS
Band12	3	23165	15	#0	QPSK	716.11	-25.46	-13	PASS
Band12	5	23035	25	#0	QPSK	698.9	-29.54	-13	PASS
Band12	5	23155	25	#0	QPSK	716.11	-28.36	-13	PASS
Band12	10	23060	50	#0	QPSK	698.9	-33.56	-13	PASS
Band12	10	23130	50	#0	QPSK	716.11	-33.23	-13	PASS

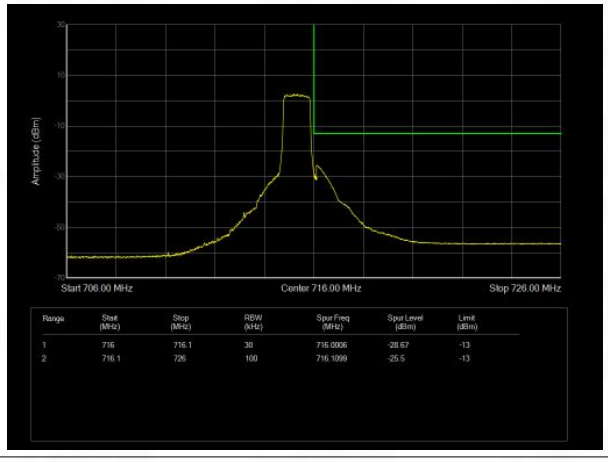


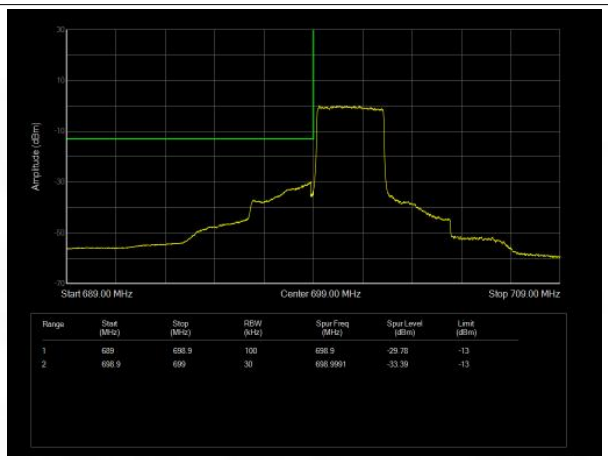
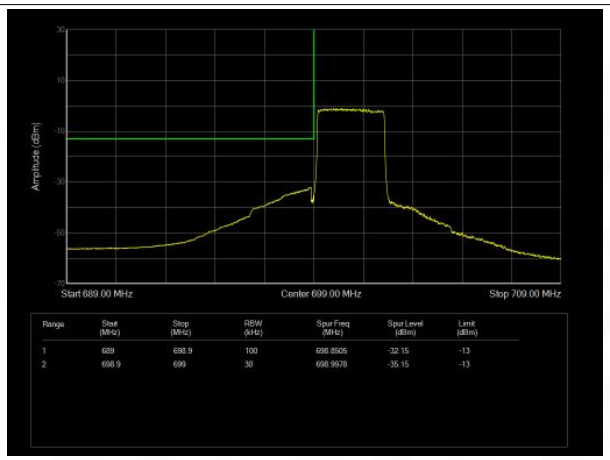
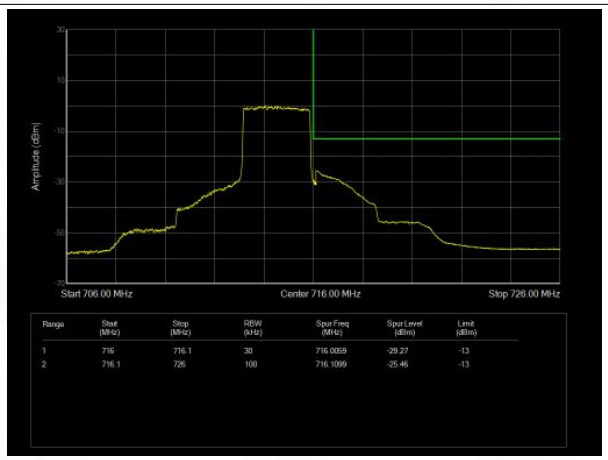
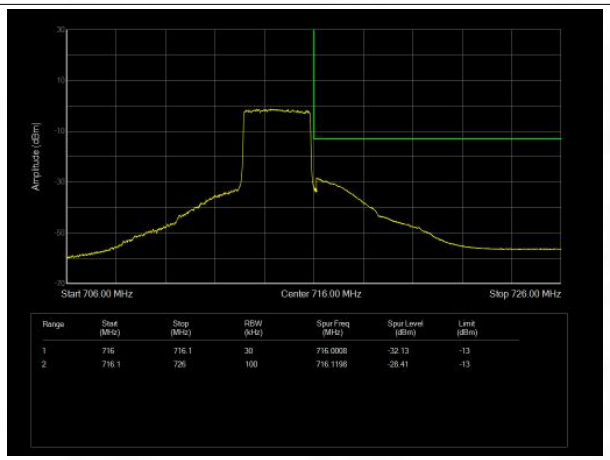
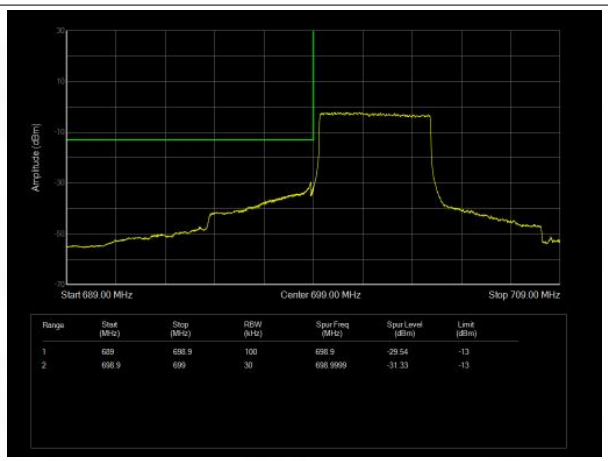
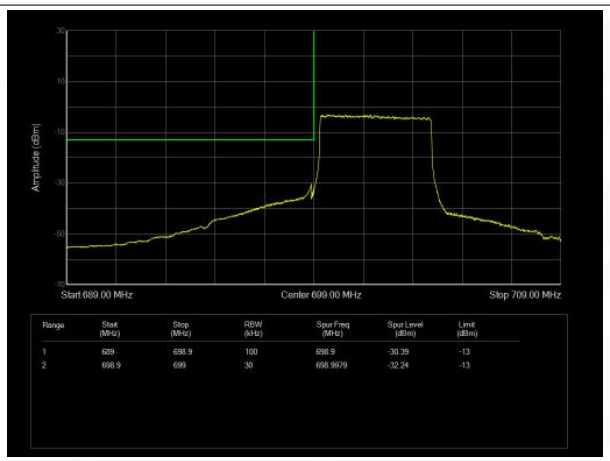
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0

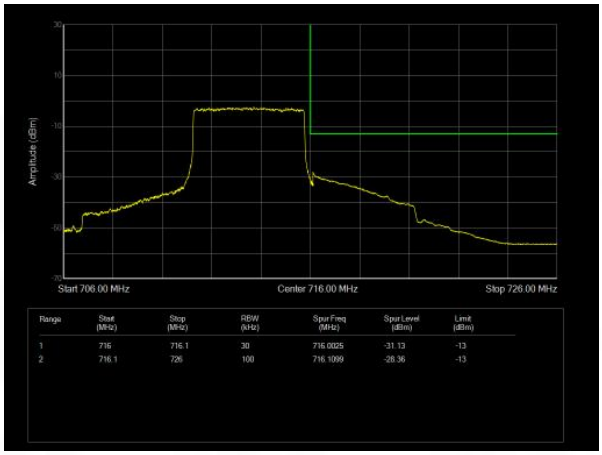


Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0

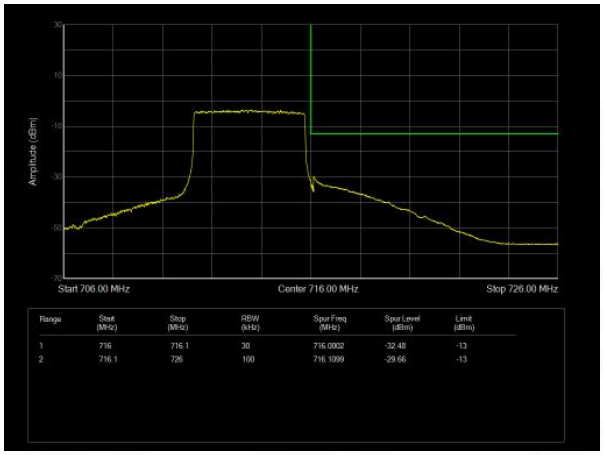




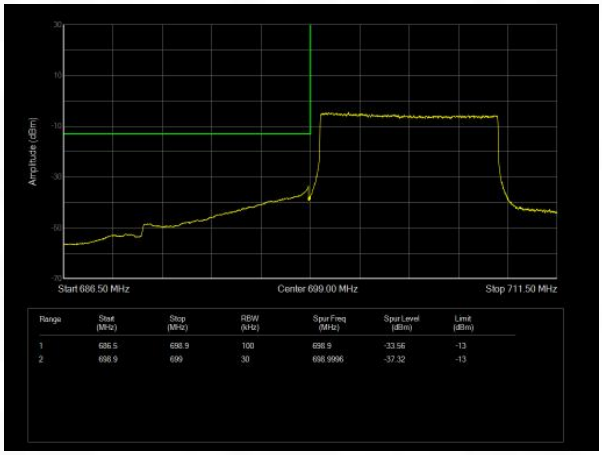
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0	Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0
	
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0	Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0
	
Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0	Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0
	
Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0	Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



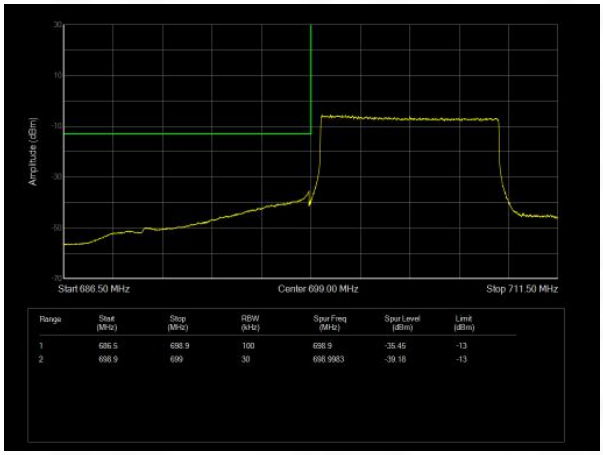
Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



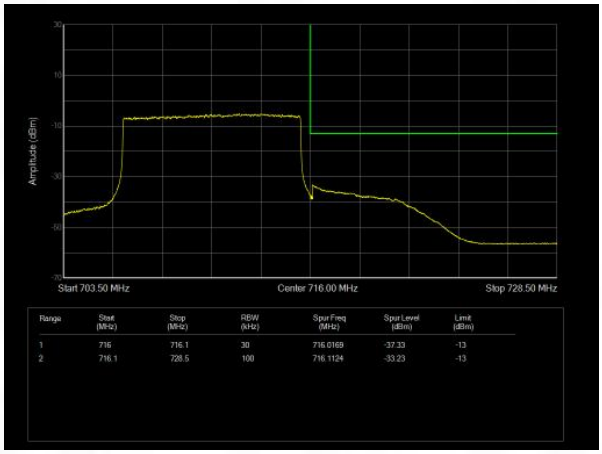
Band12 QAM16 BW=5MHz Channel=23155 RB Size=25 Position=#0



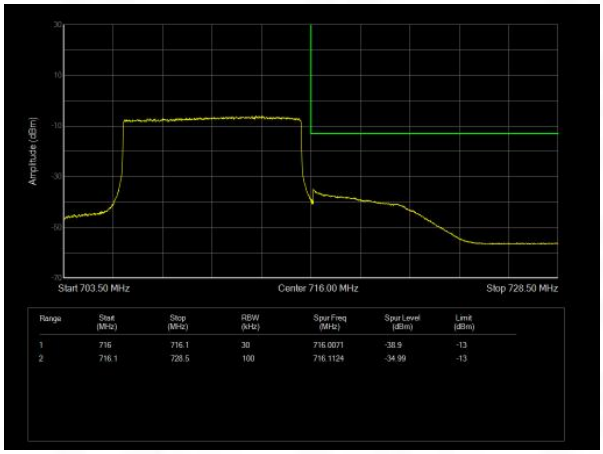
Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0



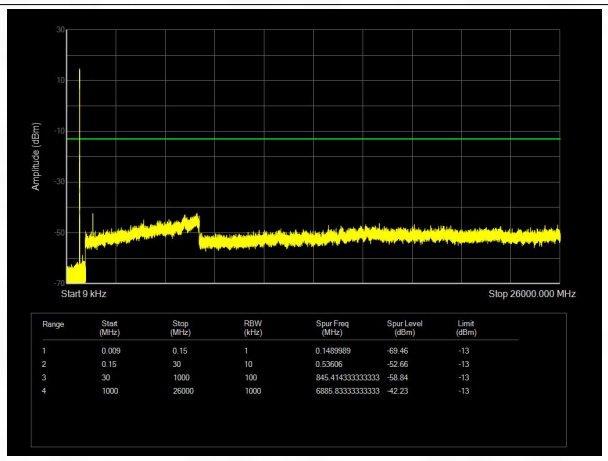
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



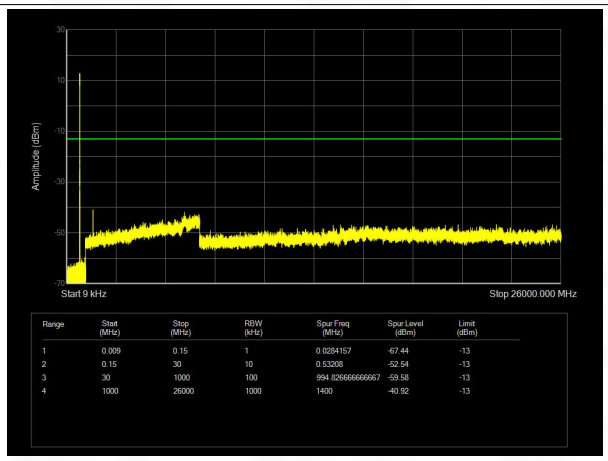
Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0

Out-of-band emissions

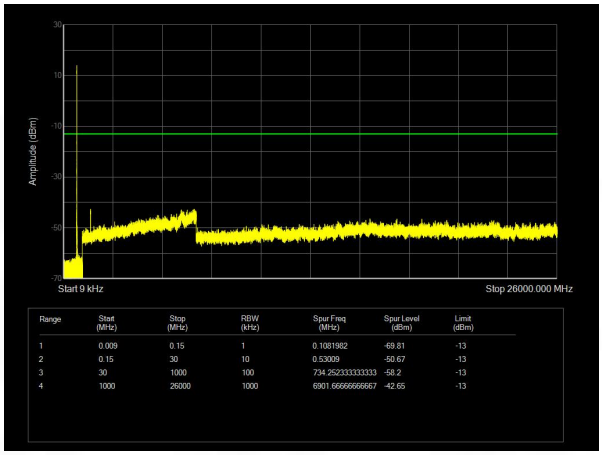
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	6	#0	QAM16	1400	-40.92	-13	PASS
Band12	1.4	23173	6	#0	QAM16	6722.5	-42.22	-13	PASS
Band12	3	23025	15	#0	QAM16	6211.67	-42.96	-13	PASS
Band12	3	23165	15	#0	QAM16	1429.17	-41.55	-13	PASS
Band12	5	23035	25	#0	QAM16	6800	-42.53	-13	PASS
Band12	5	23155	25	#0	QAM16	6804.17	-42.35	-13	PASS
Band12	10	23060	50	#0	QAM16	6872.5	-41.35	-13	PASS
Band12	10	23130	50	#0	QAM16	6250	-42.37	-13	PASS
Band12	1.4	23017	6	#0	QPSK	6885.83	-42.23	-13	PASS
Band12	1.4	23173	6	#0	QPSK	6901.67	-42.65	-13	PASS
Band12	3	23025	15	#0	QPSK	6860	-41.85	-13	PASS
Band12	3	23165	15	#0	QPSK	6463.33	-42.28	-13	PASS
Band12	5	23035	25	#0	QPSK	6778.33	-42.08	-13	PASS
Band12	5	23155	25	#0	QPSK	6242.5	-41.7	-13	PASS
Band12	10	23060	50	#0	QPSK	6790.83	-41.57	-13	PASS
Band12	10	23130	50	#0	QPSK	6771.67	-40.9	-13	PASS



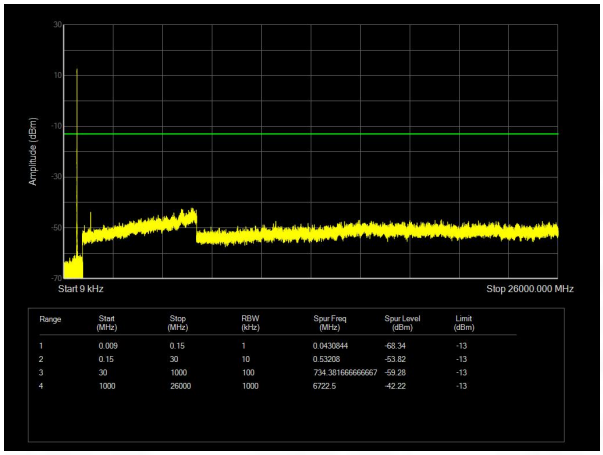
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=6 Position=#0



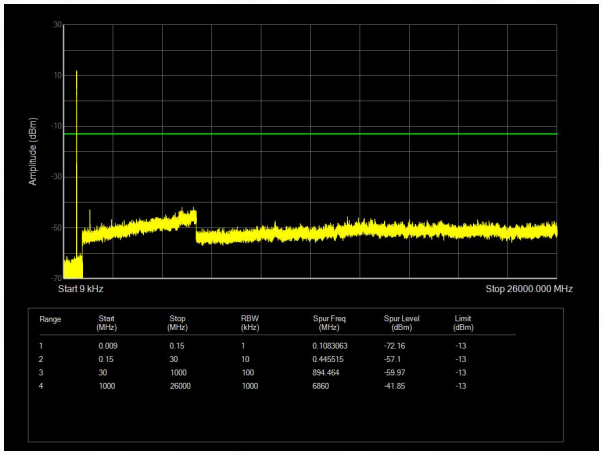
Band12 QAM16 BW=1.4MHz Channel=23017 RB Size=6 Position=#0



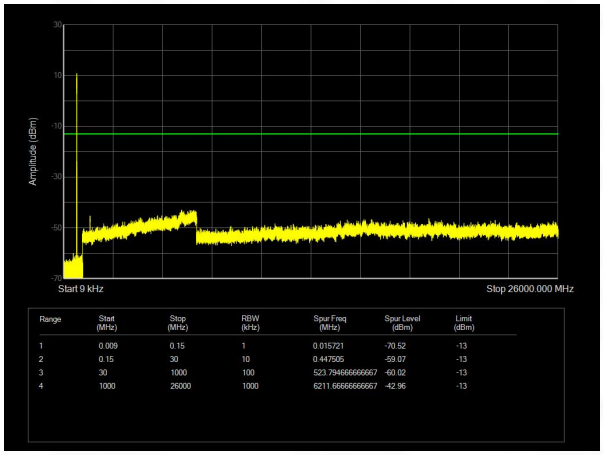
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=6 Position=#0



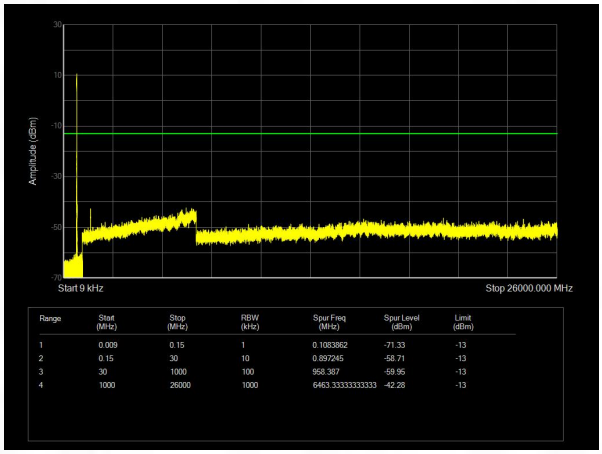
Band12 QAM16 BW=1.4MHz Channel=23173 RB Size=6 Position=#0



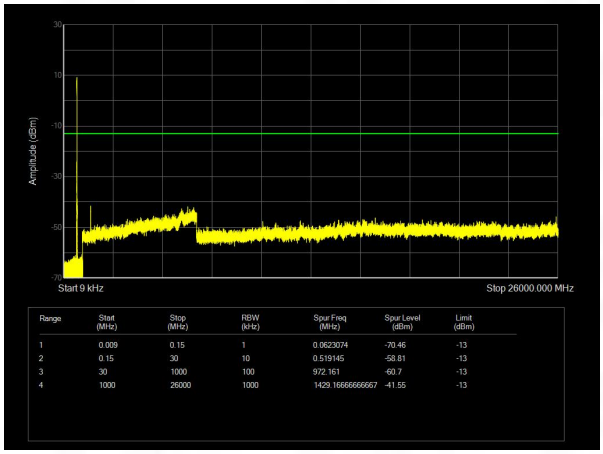
Band12 QPSK BW=3MHz Channel=23025 RB Size=15 Position=#0



Band12 QAM16 BW=3MHz Channel=23025 RB Size=15 Position=#0



Band12 QPSK BW=3MHz Channel=23165 RB Size=15 Position=#0



Band12 QAM16 BW=3MHz Channel=23165 RB Size=15 Position=#0

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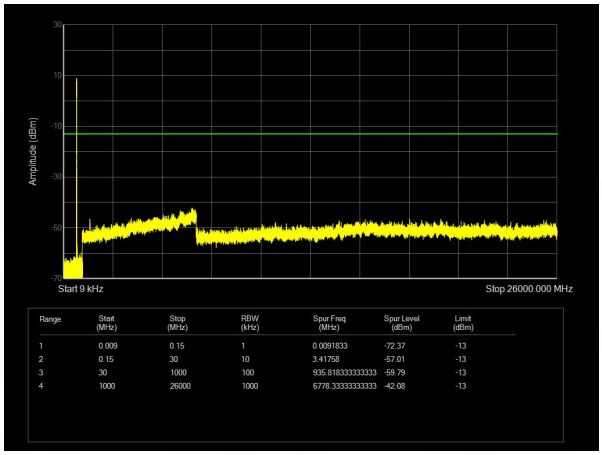
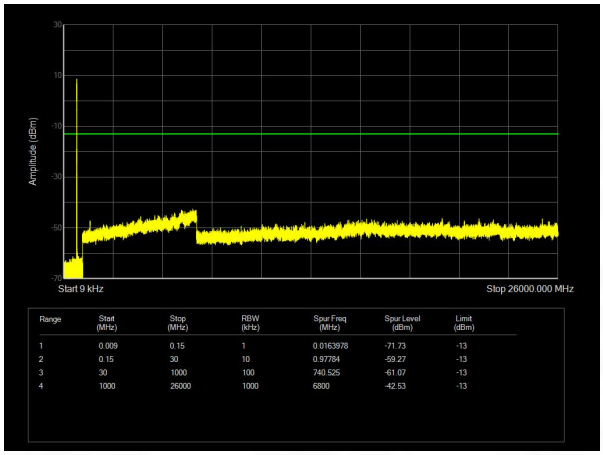


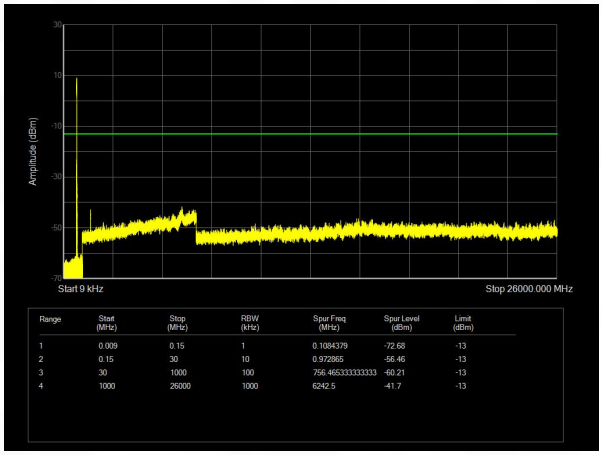
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091833	-72.37	-13
2	0.15	30	10	3.41758	-57.01	-13
3	30	1000	100	935.81833333333	-59.79	-13
4	1000	26000	1000	6778.3333333333	-42.08	-13

Band12 QPSK BW=5MHz Channel=23035 RB Size=25 Position=#0



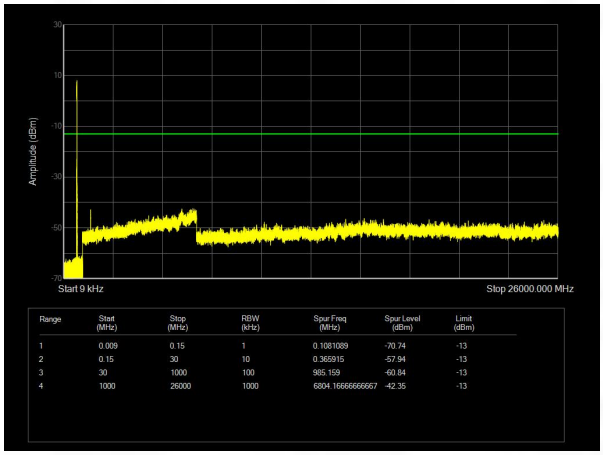
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0163978	-71.73	-13
2	0.15	30	10	0.97784	-59.27	-13
3	30	1000	100	740.525	-61.07	-13
4	1000	26000	1000	6800	-42.53	-13

Band12 QAM16 BW=5MHz Channel=23035 RB Size=25 Position=#0



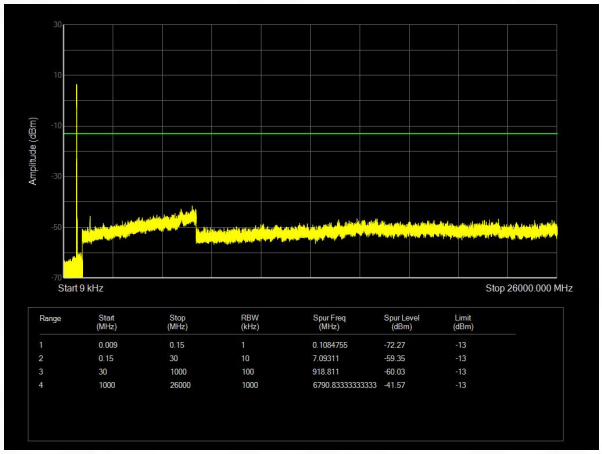
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1084379	-72.68	-13
2	0.15	30	10	0.972865	-56.46	-13
3	30	1000	100	756.46533333333	-60.21	-13
4	1000	26000	1000	6242.5	-41.7	-13

Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



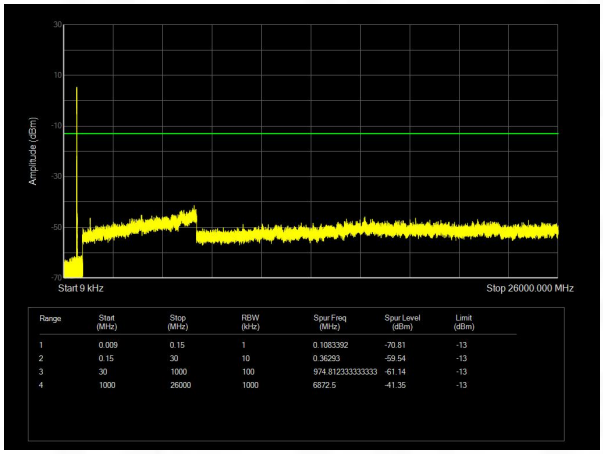
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1081089	-70.74	-13
2	0.15	30	10	0.365915	-57.94	-13
3	30	1000	100	985.159	-60.84	-13
4	1000	26000	1000	6804.1666666667	-42.36	-13

Band12 QAM16 BW=5MHz Channel=23155 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	0.1084755	-72.27	-13
2	0.15	30	10	7.09311	-59.35	-13
3	30	1000	100	918.811	-60.03	-13
4	1000	26000	1000	6798.8333333333	-41.57	-13

Band12 QPSK BW=10MHz Channel=23060 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	0.1083392	-70.81	-13
2	0.15	30	10	0.36293	-59.54	-13
3	30	1000	100	974.81233333333	-61.14	-13
4	1000	26000	1000	6872.5	-41.35	-13

Band12 QAM16 BW=10MHz Channel=23060 RB Size=50 Position=#0

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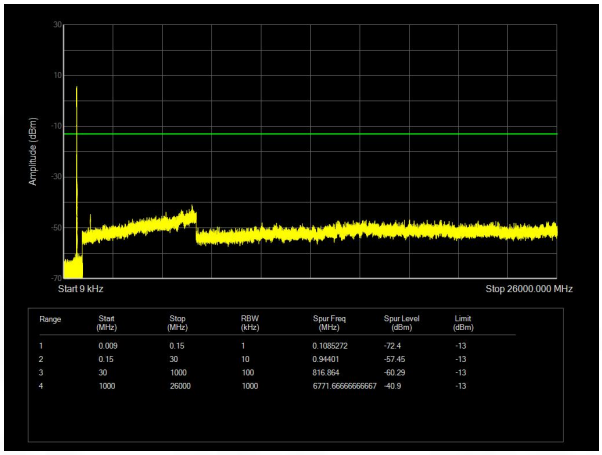	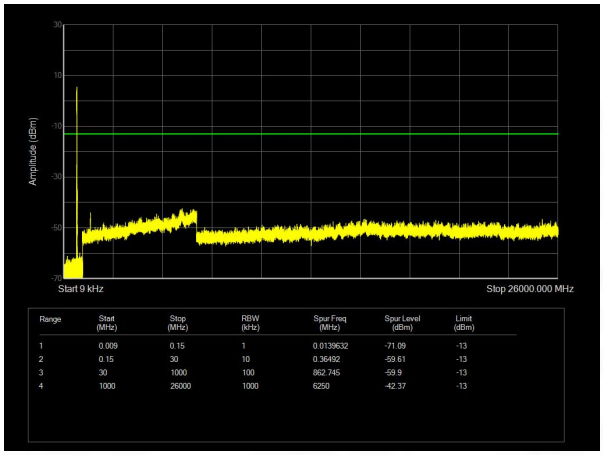
Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0	Band12 QAM16 BW=10MHz Channel=23130 RB Size=50 Position=#0