

Appendix for LTE Band 12

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.10	34.8	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.97	34.8	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.01	34.8	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.83	34.8	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.72	34.8	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.88	34.8	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.11	34.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.18	34.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.03	34.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.04	34.8	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.63	34.8	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.01	34.8	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.92	34.8	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.97	34.8	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	21.62	34.8	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	21.50	34.8	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	21.65	34.8	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	21.31	34.8	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	21.28	34.8	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	21.40	34.8	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	20.61	34.8	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	20.09	34.8	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	20.64	34.8	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	20.55	34.8	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	20.25	34.8	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	20.32	34.8	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	20.39	34.8	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	19.85	34.8	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	21.88	34.8	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	21.54	34.8	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	21.50	34.8	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	21.65	34.8	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	21.64	34.8	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	21.60	34.8	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.03	34.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.25	34.8	PASS

Band12	1.4MHz	16QAM	23173	1RB#2	20.76	34.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	20.77	34.8	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	20.91	34.8	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	20.79	34.8	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	20.89	34.8	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.03	34.8	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.73	34.8	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.36	34.8	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.03	34.8	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.27	34.8	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.58	34.8	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.48	34.8	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.48	34.8	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.98	34.8	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.47	34.8	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.48	34.8	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.50	34.8	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.53	34.8	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.45	34.8	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.72	34.8	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.59	34.8	PASS
Band12	3MHz	QPSK	23095	1RB#8	21.82	34.8	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.64	34.8	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.07	34.8	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.53	34.8	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.57	34.8	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.41	34.8	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.74	34.8	PASS
Band12	3MHz	16QAM	23095	1RB#8	20.77	34.8	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.50	34.8	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.24	34.8	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.61	34.8	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.45	34.8	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.50	34.8	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.78	34.8	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.72	34.8	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.49	34.8	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.20	34.8	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.47	34.8	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.95	34.8	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.26	34.8	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.64	34.8	PASS

Band12	3MHz	16QAM	23165	1RB#8	21.67	34.8	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.49	34.8	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.53	34.8	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.37	34.8	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.08	34.8	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.38	34.8	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.16	34.8	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.97	34.8	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.67	34.8	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.34	34.8	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.15	34.8	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.88	34.8	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.17	34.8	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.22	34.8	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.91	34.8	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.54	34.8	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.34	34.8	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.08	34.8	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.01	34.8	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.10	34.8	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.21	34.8	PASS
Band12	5MHz	QPSK	23095	1RB#12	21.62	34.8	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.64	34.8	PASS
Band12	5MHz	QPSK	23095	12RB#0	20.94	34.8	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.44	34.8	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.56	34.8	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.21	34.8	PASS
Band12	5MHz	16QAM	23095	1RB#0	20.97	34.8	PASS
Band12	5MHz	16QAM	23095	1RB#12	20.56	34.8	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.63	34.8	PASS
Band12	5MHz	16QAM	23095	12RB#0	19.91	34.8	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.09	34.8	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.53	34.8	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.27	34.8	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.38	34.8	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.63	34.8	PASS
Band12	5MHz	QPSK	23155	1RB#24	21.85	34.8	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.35	34.8	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.96	34.8	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.45	34.8	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.76	34.8	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.13	34.8	PASS

Band12	5MHz	16QAM	23155	1RB#12	21.57	34.8	PASS
Band12	5MHz	16QAM	23155	1RB#24	20.91	34.8	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.39	34.8	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.97	34.8	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.43	34.8	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.78	34.8	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.08	34.8	PASS
Band12	10MHz	QPSK	23060	1RB#24	21.55	34.8	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.42	34.8	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.94	34.8	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.48	34.8	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.00	34.8	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.53	34.8	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.02	34.8	PASS
Band12	10MHz	16QAM	23060	1RB#24	20.69	34.8	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.45	34.8	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.69	34.8	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.22	34.8	PASS
Band12	10MHz	16QAM	23060	25RB#25	19.68	34.8	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.29	34.8	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.62	34.8	PASS
Band12	10MHz	QPSK	23095	1RB#24	21.19	34.8	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.51	34.8	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.25	34.8	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.08	34.8	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.84	34.8	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.45	34.8	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.39	34.8	PASS
Band12	10MHz	16QAM	23095	1RB#24	20.15	34.8	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.45	34.8	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.00	34.8	PASS
Band12	10MHz	16QAM	23095	25RB#12	19.81	34.8	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.60	34.8	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.23	34.8	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.01	34.8	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.50	34.8	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.11	34.8	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.37	34.8	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.99	34.8	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.80	34.8	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.64	34.8	PASS
Band12	10MHz	16QAM	23130	1RB#0	20.98	34.8	PASS

Band12	10MHz	16QAM	23130	1RB#24	21.60	34.8	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.23	34.8	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.10	34.8	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.78	34.8	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.53	34.8	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.39	34.8	PASS

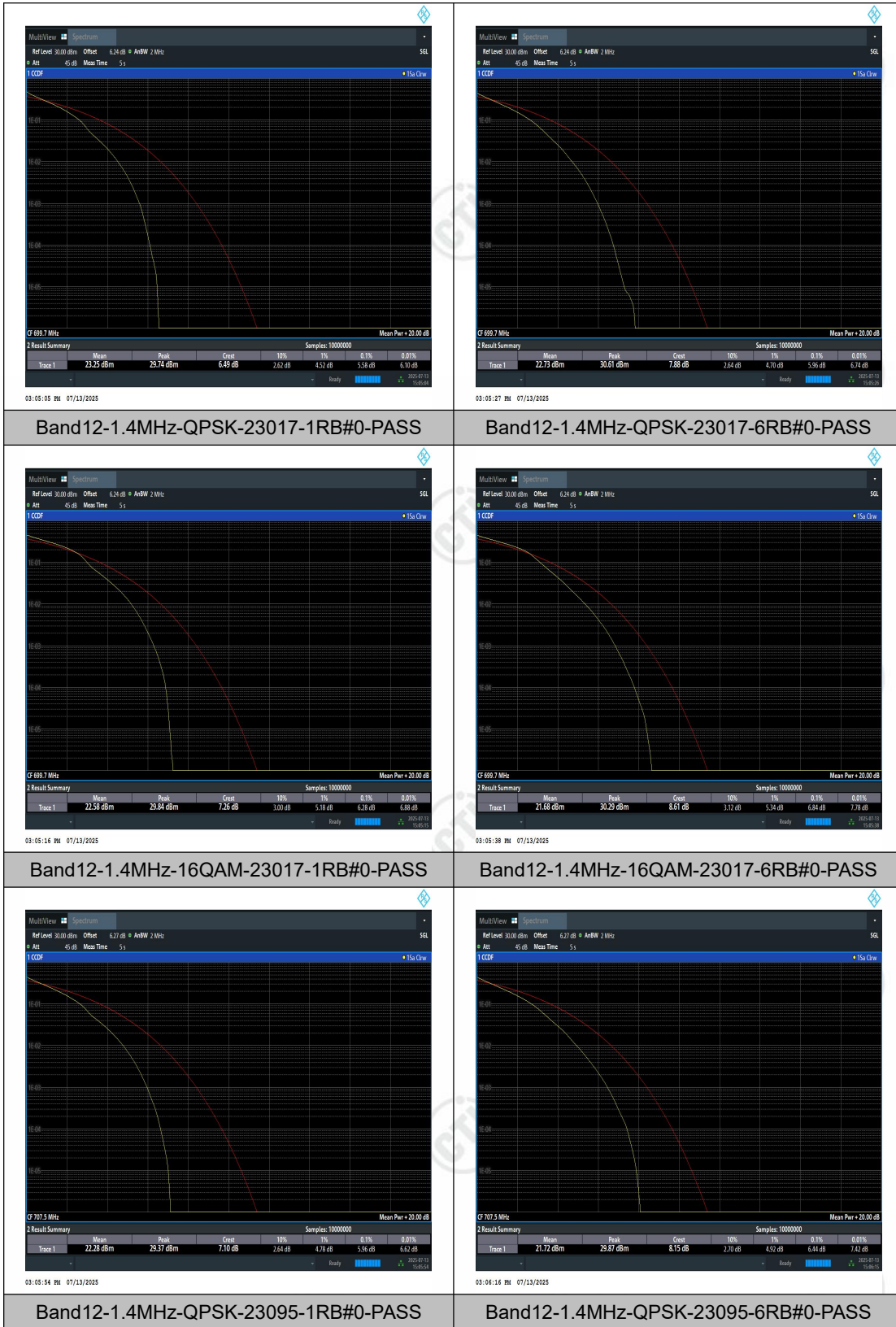
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.58	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.96	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.28	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.84	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.96	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.44	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.72	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	7.20	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.60	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.22	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.46	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.96	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.22	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.86	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.90	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.54	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.52	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.12	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.54	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.80	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.94	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.86	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.84	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.56	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.58	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	6.08	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.32	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.82	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.78	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.22	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.50	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	7.00	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.36	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.32	13	PASS

Band12	5MHz	16QAM	23155	25RB#0	6.66	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.18	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	6.14	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.14	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.86	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.44	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	6.14	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.34	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.92	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.64	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.82	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.84	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.74	13	PASS

Test Graphs





Band12-1.4MHz-16QAM-23095-1RB#0-PASS



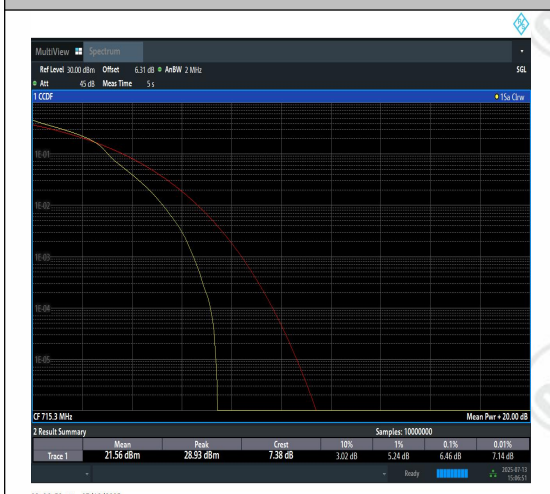
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Band12-1.4MHz-QPSK-23173-1RB#0-PASS



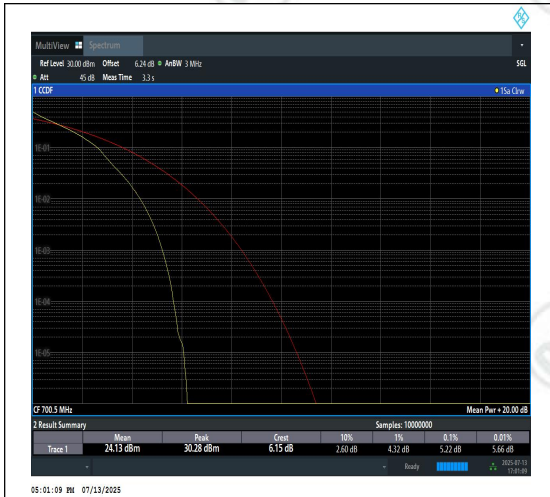
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



Band12-1.4MHz-16QAM-23173-1RB#0-PASS



Band12-1.4MHz-16QAM-23173-6RB#0-PASS



Band12-3MHz-QPSK-23025-1RB#0-PASS



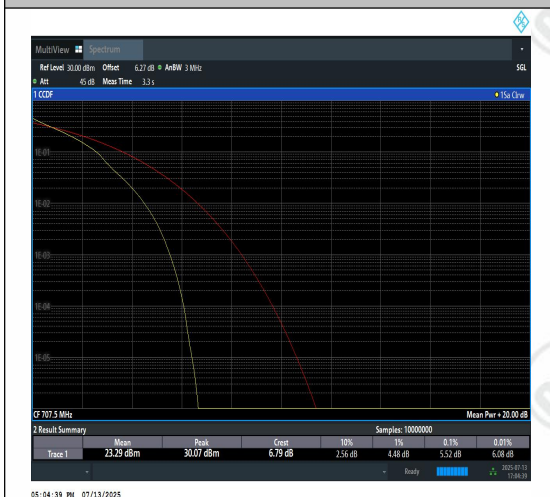
Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-16QAM-23025-1RB#0-PASS



Band12-3MHz-16QAM-23025-15RB#0-PASS



Band12-3MHz-QPSK-23095-1RB#0-PASS



Band12-3MHz-QPSK-23095-15RB#0-PASS