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Appendix B.5

LTE Band 12



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Effective (Isotropic) Radiated Power Output Data**Test ResultAnt1**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.97	21.17	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.09	21.29	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.95	21.15	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.02	20.22	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.89	21.09	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.00	21.20	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.90	21.10	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.97	20.17	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.92	21.12	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.99	21.19	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.91	21.11	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.95	20.15	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.17	20.37	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.37	20.57	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.19	20.39	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.10	19.30	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.23	20.43	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.24	20.44	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.14	20.34	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.02	19.22	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.21	20.41	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.30	20.50	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.14	20.34	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.01	19.21	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.22	19.42	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.22	19.42	34.77	PASS



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Band12	1.4MHz	64QAM	23017	1RB#5	21.17	19.37	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.08	18.28	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.08	19.28	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.17	19.37	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.13	19.33	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.01	18.21	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.20	19.40	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.18	19.38	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.07	19.27	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	19.92	18.12	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.07	21.27	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.06	21.26	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.05	21.25	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.12	20.32	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.04	21.24	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.04	21.24	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.96	21.16	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.00	20.20	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.97	21.17	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.03	21.23	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.96	21.16	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.03	20.23	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.28	20.48	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.36	20.56	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.21	20.41	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.11	19.31	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.27	20.47	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.26	20.46	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.12	20.32	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.08	19.28	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.18	20.38	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.22	20.42	34.77	PASS



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Band12	3MHz	16QAM	23165	1RB#14	22.31	20.51	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.06	19.26	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.27	19.47	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.23	19.43	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.15	19.35	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.10	18.30	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.27	19.47	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.26	19.46	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.20	19.40	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.02	18.22	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.19	19.39	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.21	19.41	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.17	19.37	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.06	18.26	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.10	21.30	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.01	21.21	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.98	21.18	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.10	20.30	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.10	21.30	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.98	21.18	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.90	21.10	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.04	20.24	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.01	21.21	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.03	21.23	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.02	21.22	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.11	20.31	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.42	20.62	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.35	20.55	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.22	20.42	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.13	19.33	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.45	20.65	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.29	20.49	34.77	PASS



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Band12	5MHz	16QAM	23095	25RB#0	21.05	19.25	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.34	20.54	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.25	20.45	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.25	20.45	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.08	19.28	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.35	19.55	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.26	19.46	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.09	19.29	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.09	18.29	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.35	19.55	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.14	19.34	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.09	19.29	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.03	18.23	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.20	19.40	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.21	19.41	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.11	19.31	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.11	18.31	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.18	21.38	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.07	21.27	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.91	21.11	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.11	20.31	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.12	21.32	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.04	21.24	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.90	21.10	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.03	20.23	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.12	21.32	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.04	21.24	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.97	21.17	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.06	20.26	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.42	20.62	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.34	20.54	34.77	PASS



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Band12	10MHz	16QAM	23060	50RB#0	21.18	19.38	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.44	20.64	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.27	20.47	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.26	20.46	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.08	19.28	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.45	20.65	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.23	20.43	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.30	20.50	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.09	19.29	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.38	19.58	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.34	19.54	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.10	19.30	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.19	18.39	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.28	19.48	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.20	19.40	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.13	19.33	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.06	18.26	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.30	19.50	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.17	19.37	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.05	19.25	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.09	18.29	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.18	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.30	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.24	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.00	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.10	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.98	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.52	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.64	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.46	13	PASS



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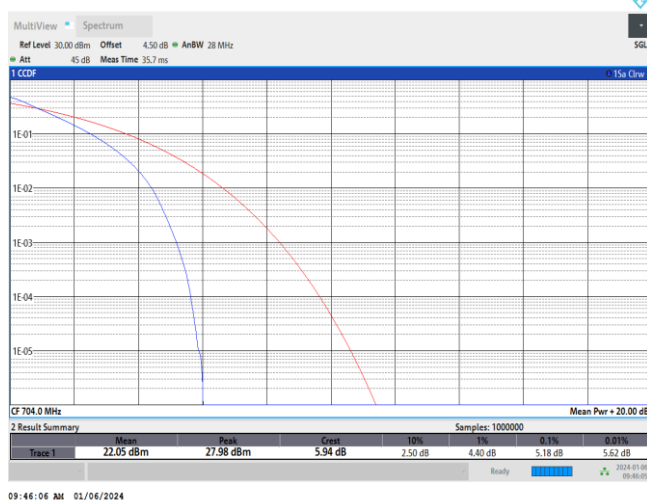
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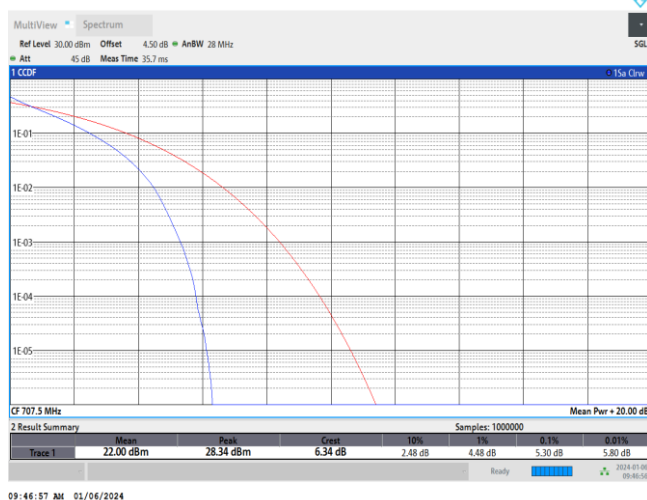
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Test Graphs

Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-50RB#0



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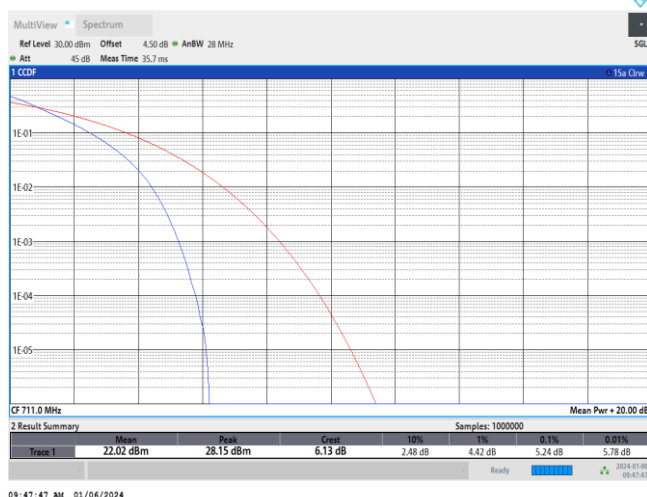
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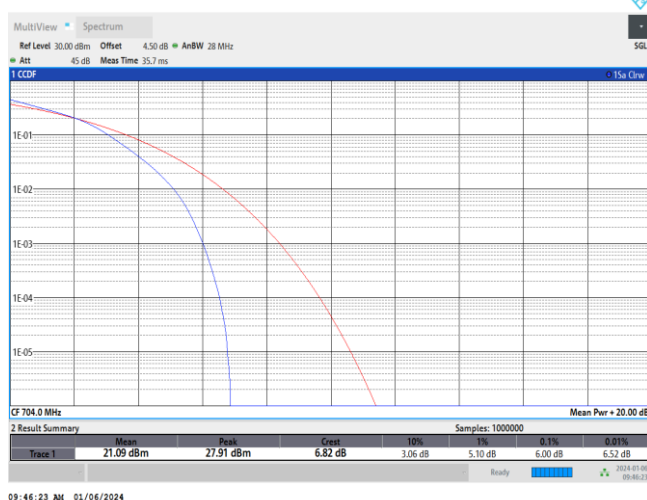
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Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-50RB#0



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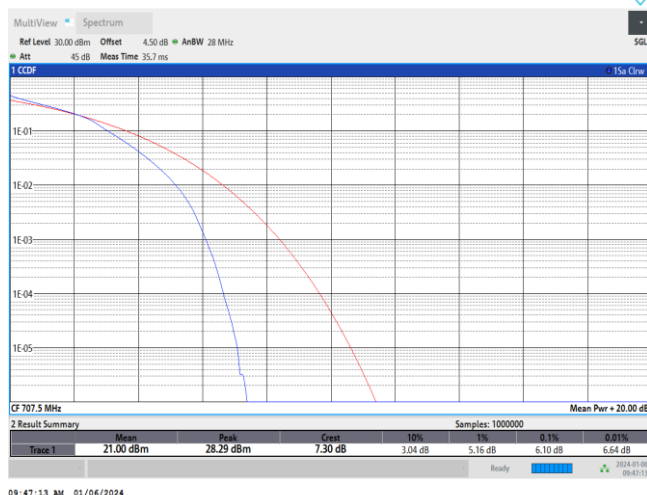
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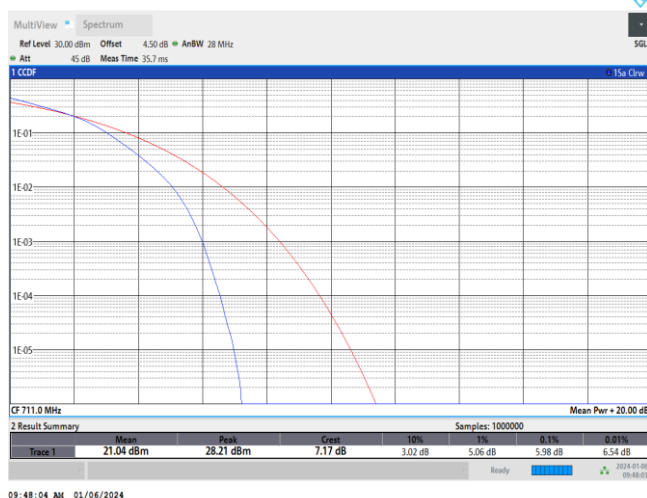
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Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0



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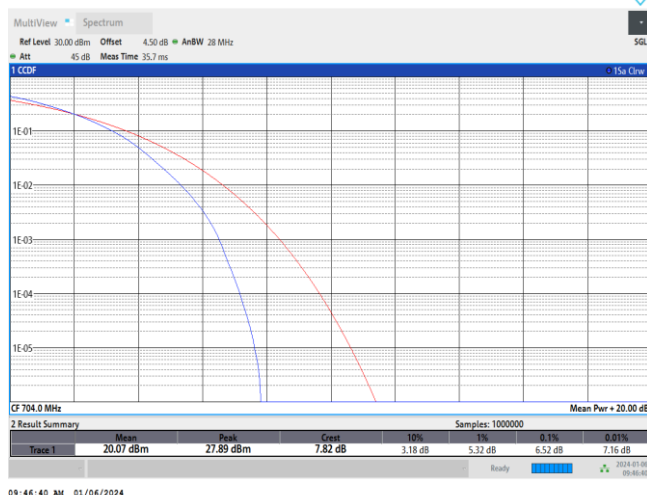
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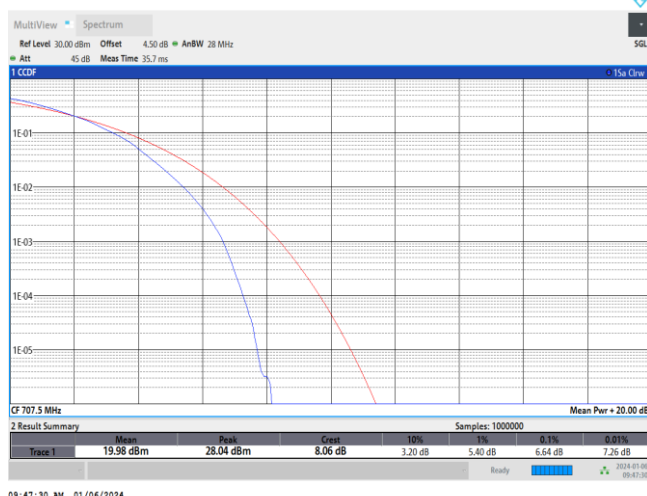
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Band12-10MHz-64QAM-23095-50RB#0



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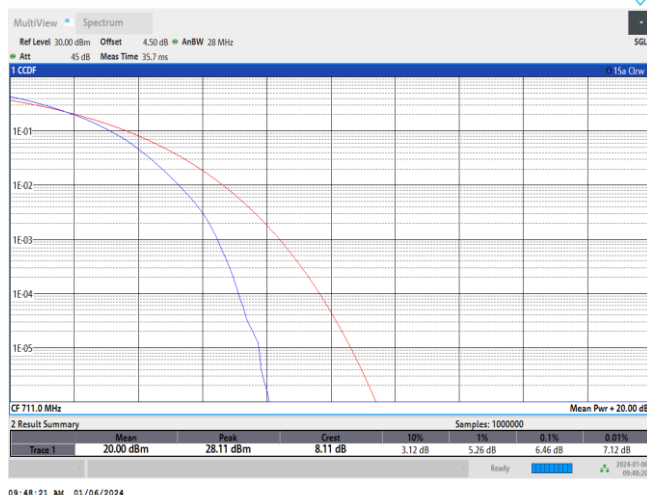
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Band12-10MHz-64QAM-23130-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23095	6RB#0	1.085	1.23	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.091	1.24	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.091	1.24	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.697	2.98	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.689	2.99	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.688	2.98	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.472	4.90	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.467	4.92	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.479	4.90	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.956	9.74	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.933	9.68	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.948	9.70	PASS



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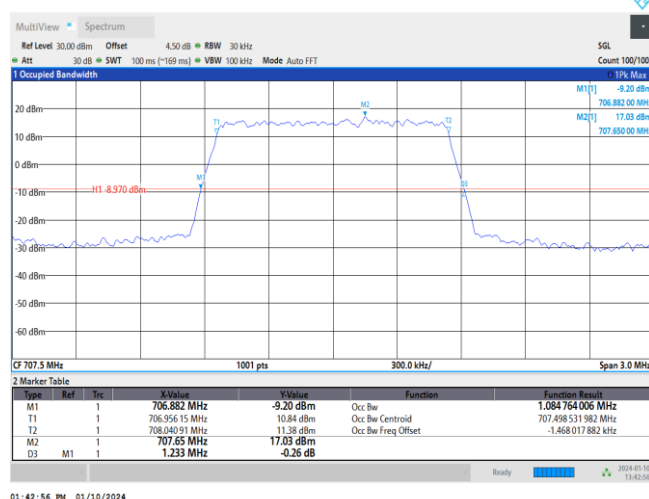
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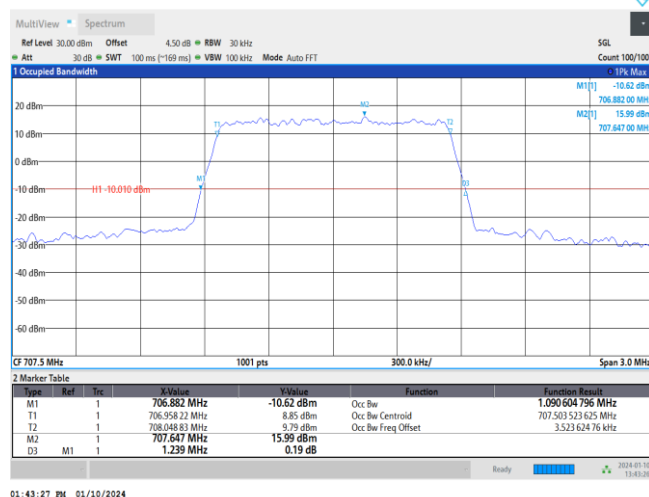
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Test Graphs

Band12-1.4MHz-QPSK-23095-6RB#0



Band12-1.4MHz-16QAM-23095-6RB#0



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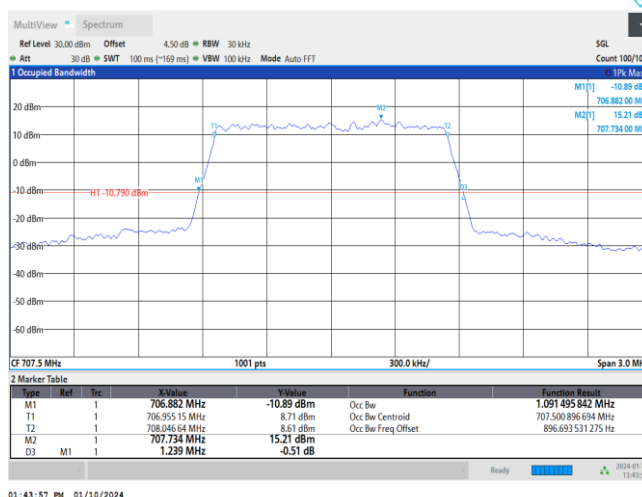
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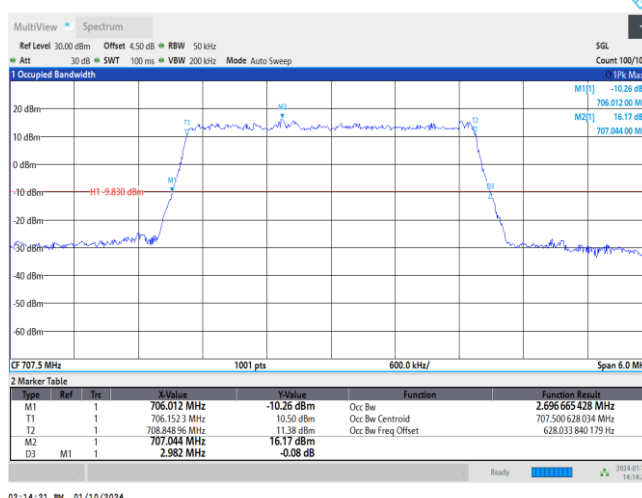
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Band12-1.4MHz-64QAM-23095-6RB#0



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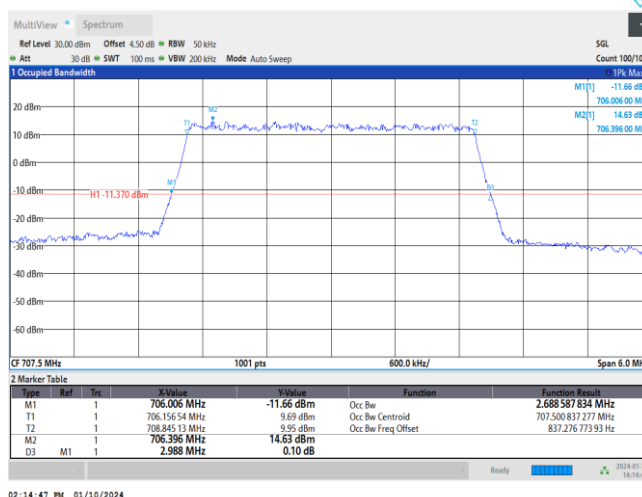
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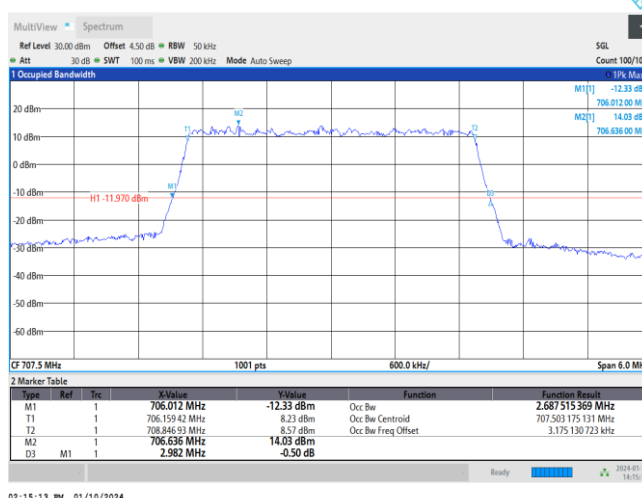
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Band12-3MHz-16QAM-23095-15RB#0



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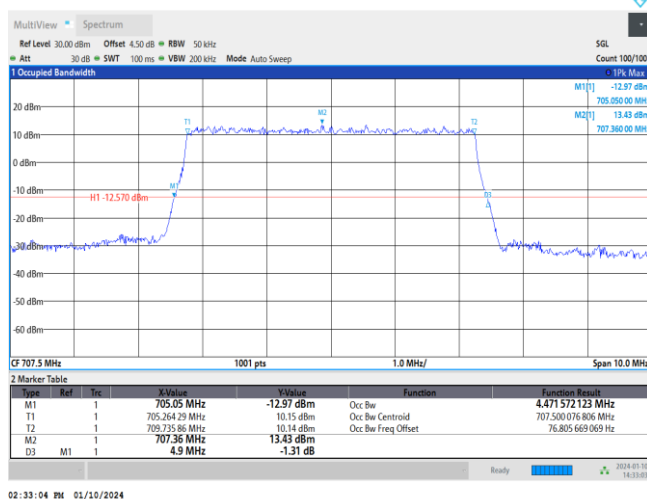
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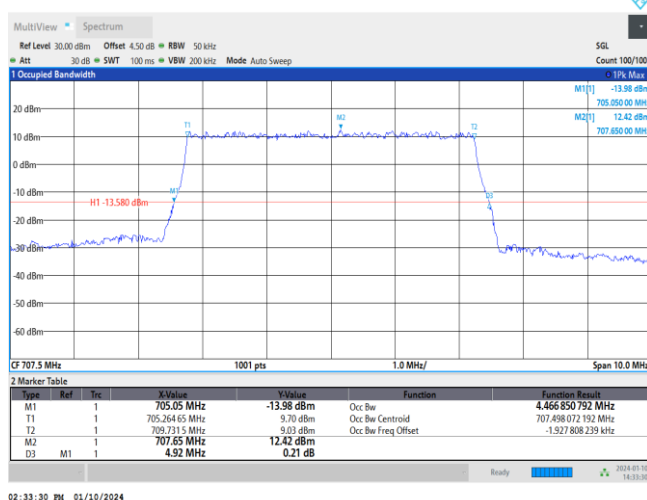
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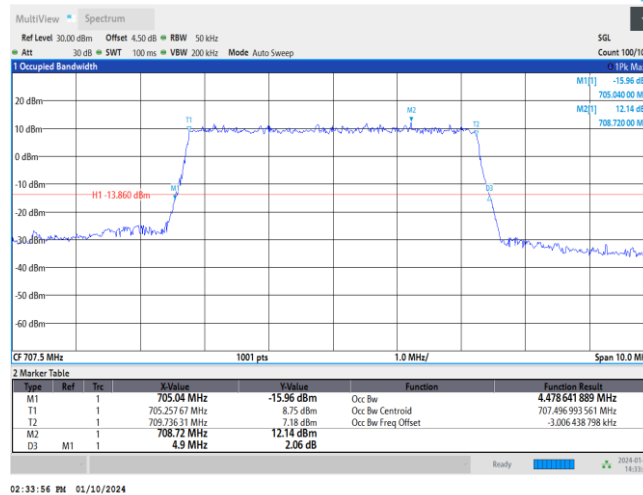
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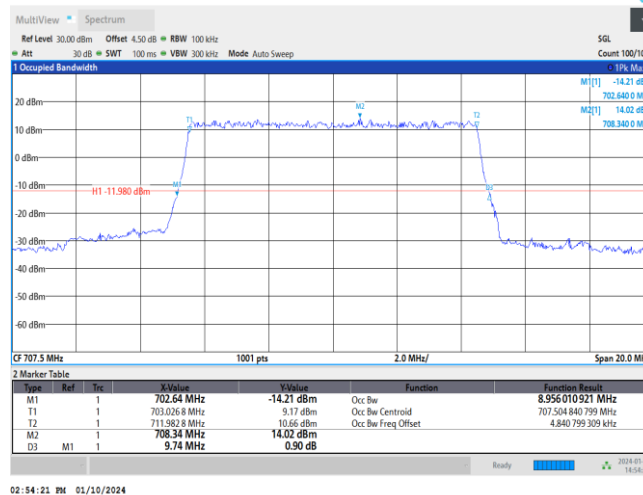
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Band12-10MHz-QPSK-23095-50RB#0



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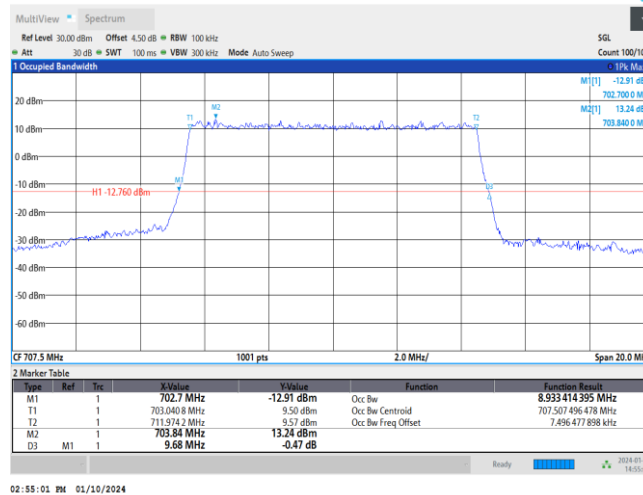
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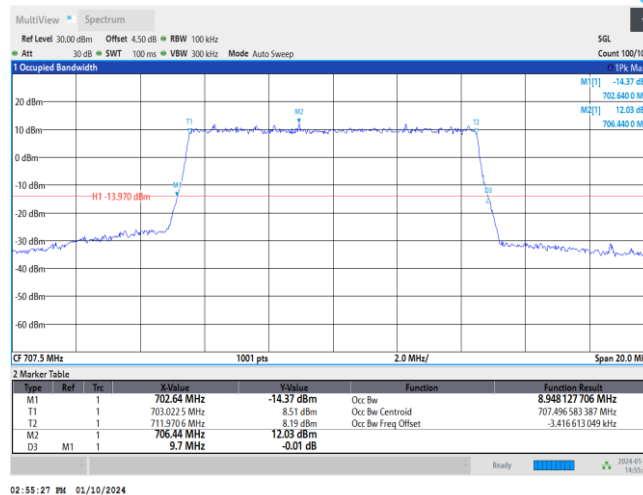
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Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-64QAM-23095-50RB#0



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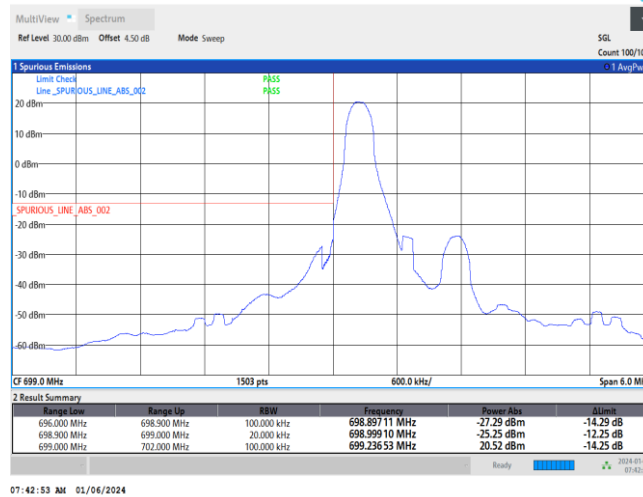
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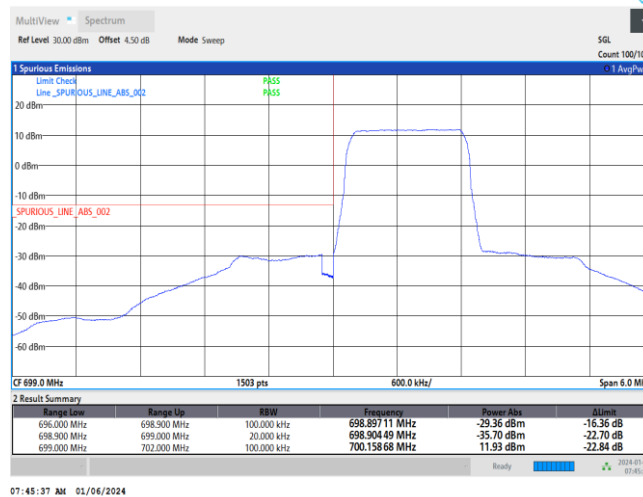
Band Edge

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-6RB#0



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Band12-1.4MHz-QPSK-23173-1RB#5



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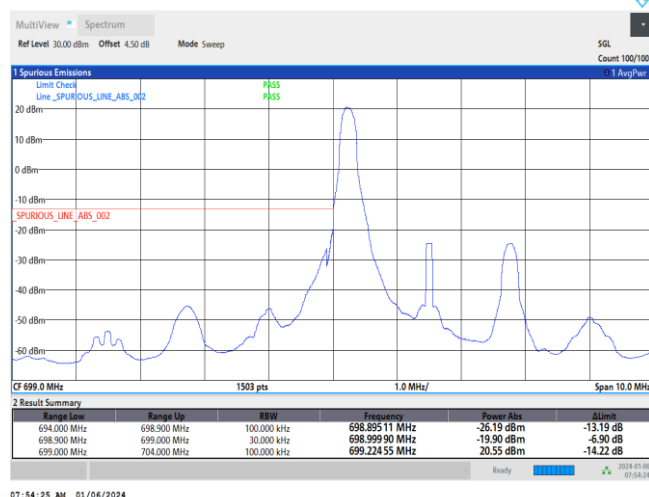
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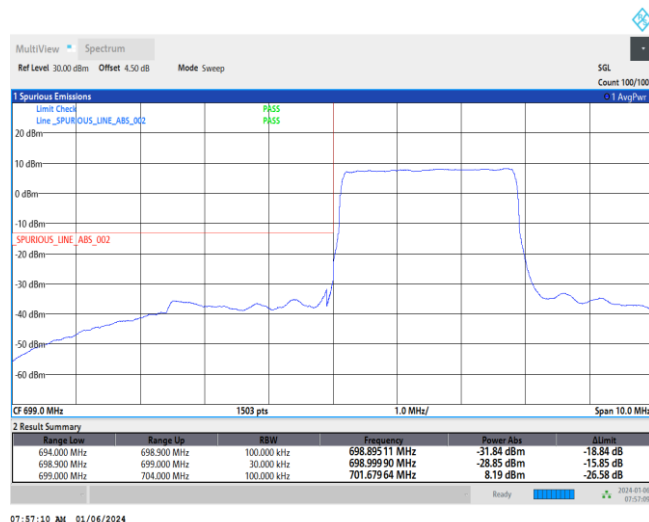
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Band12-3MHz-QPSK-23025-1RB#0



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



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Band12-3MHz-QPSK-23165-1RB#14



Band12-3MHz-QPSK-23165-15RB#0



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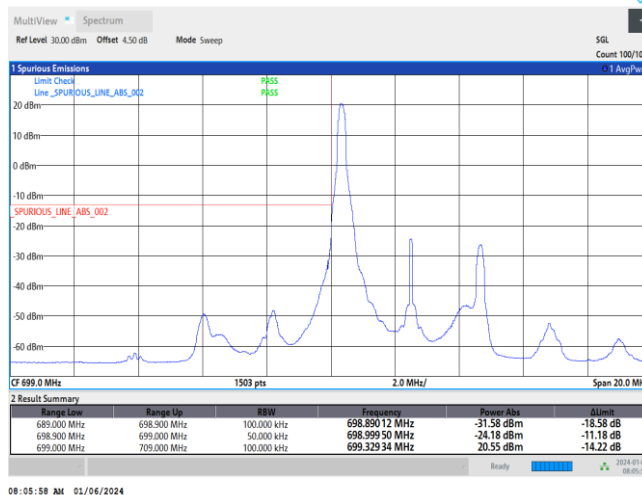
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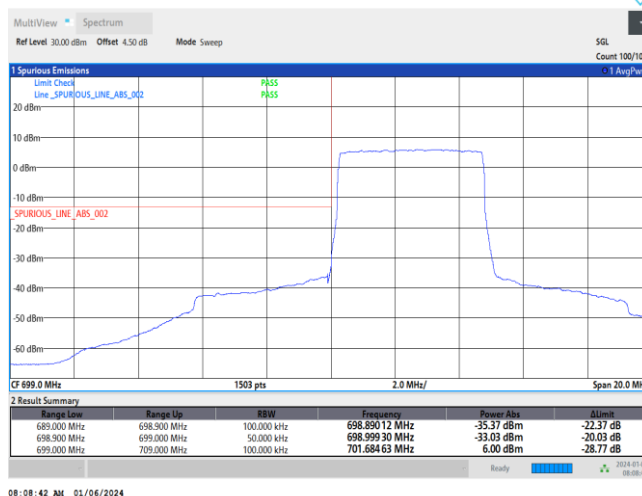
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Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-25RB#0



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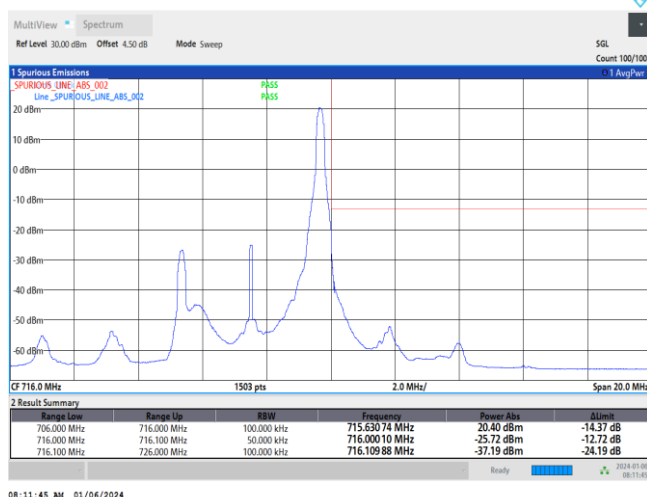
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Band12-5MHz-QPSK-23155-1RB#24



Band12-5MHz-QPSK-23155-25RB#0



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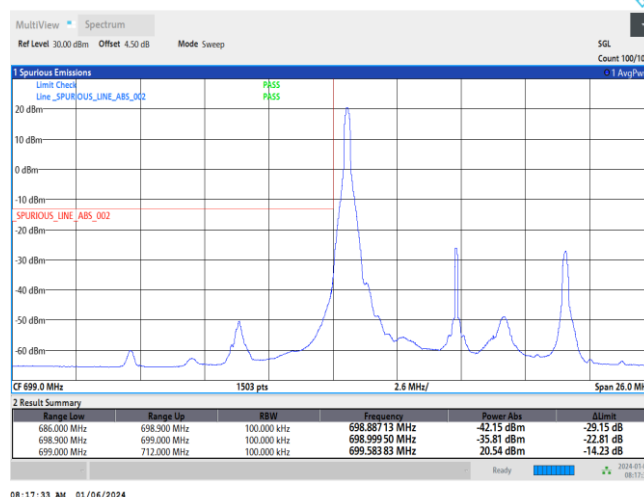
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Band12-10MHz-QPSK-23060-50RB#0



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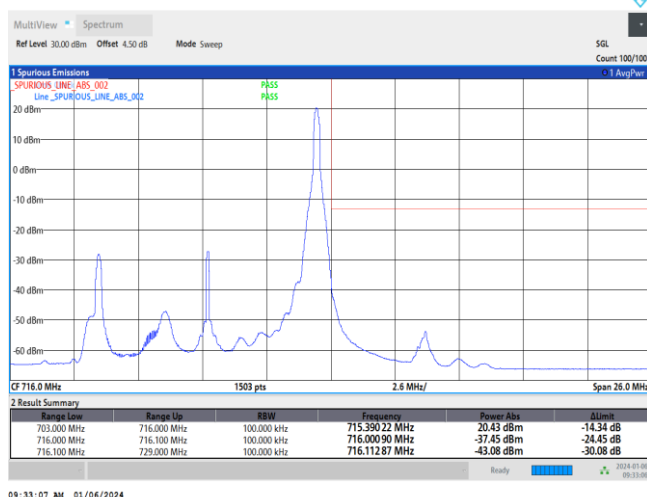
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Band12-10MHz-QPSK-23130-1RB#49



Band12-10MHz-QPSK-23130-50RB#0



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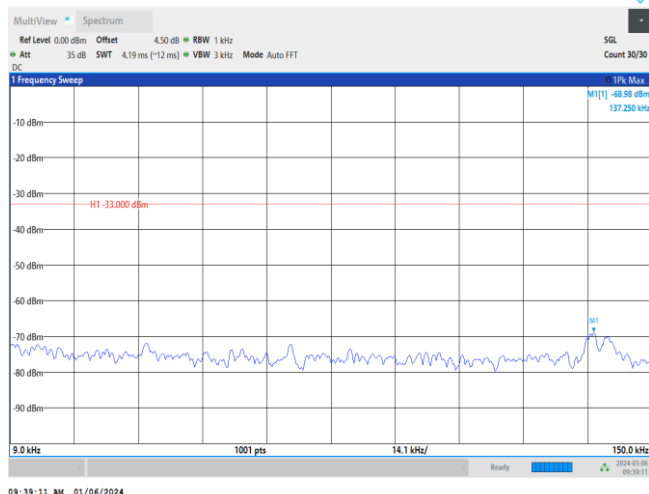
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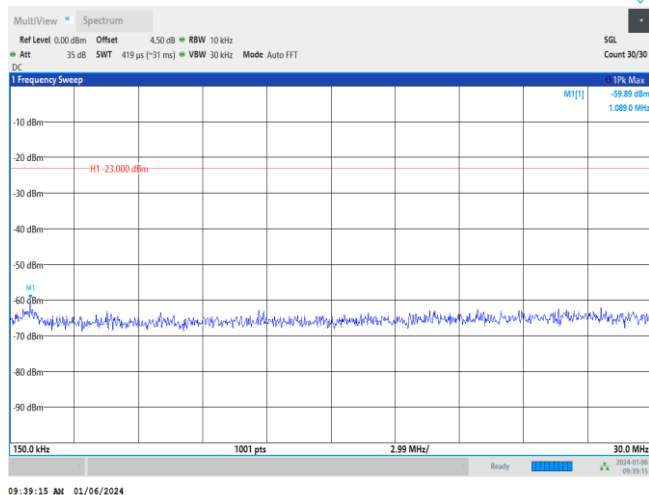
Conducted Spurious Emission

Test Graphs

Band12-10MHz-QPSK-23060-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-QPSK-23060-1RB#0-Range2:0.15~30MHz



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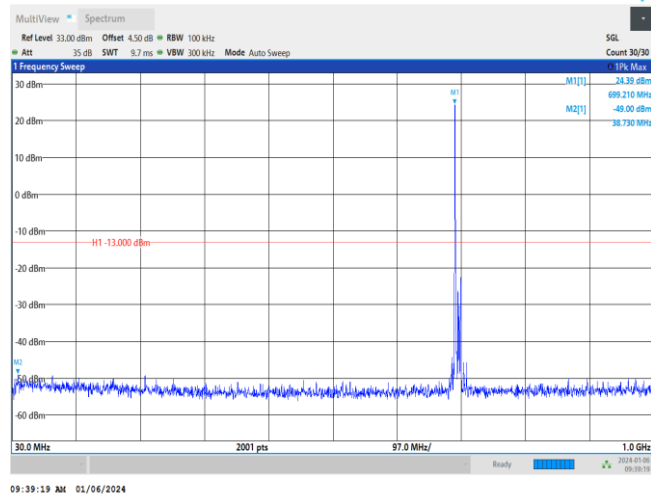
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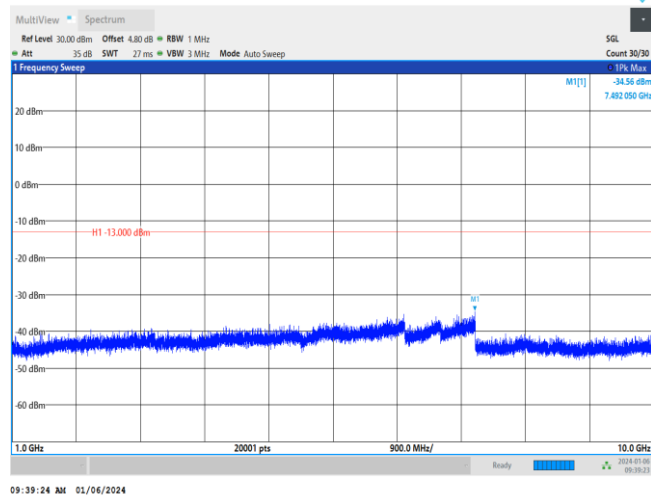
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Band12-10MHz-QPSK-23060-1RB#0-Range4:1000~10000MHz



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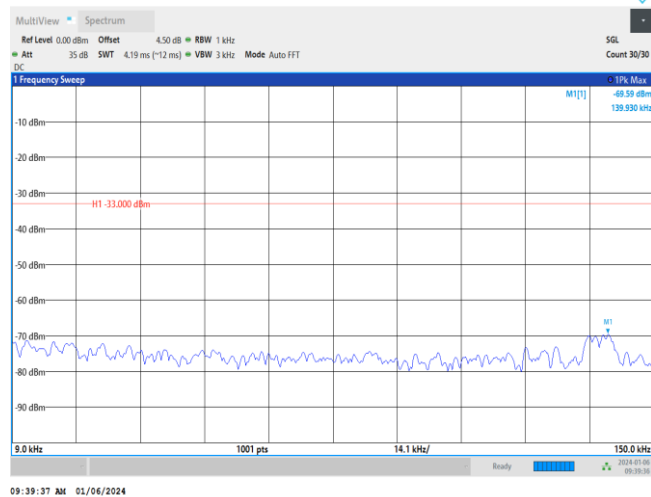
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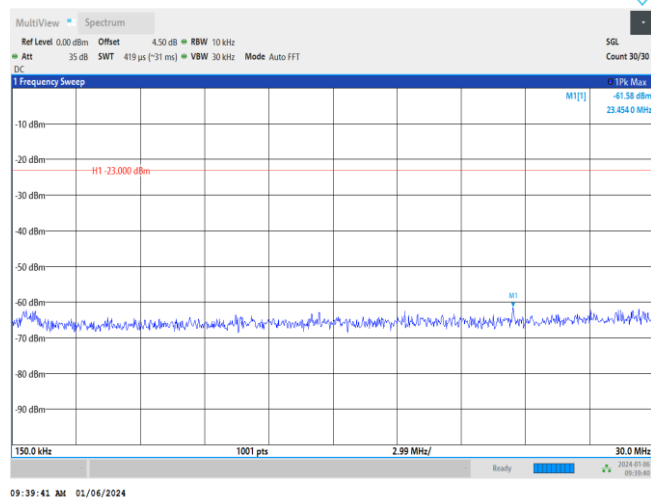
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Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



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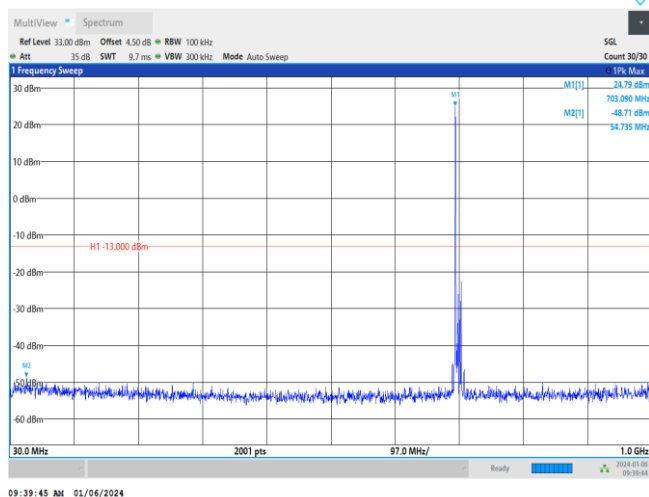
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Report No.: SUCR2401000003TL01

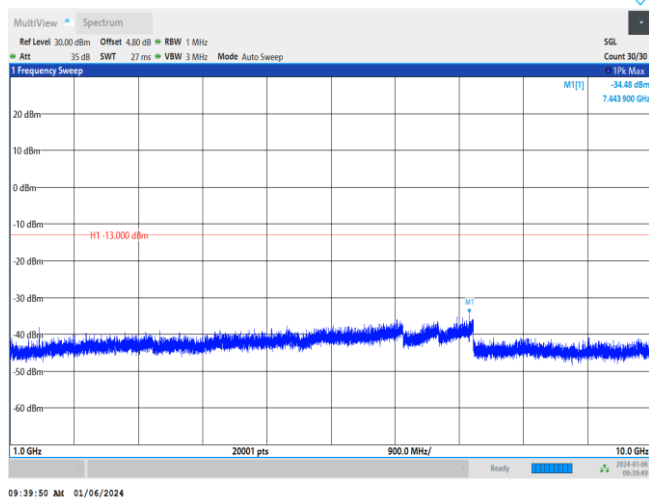
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Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



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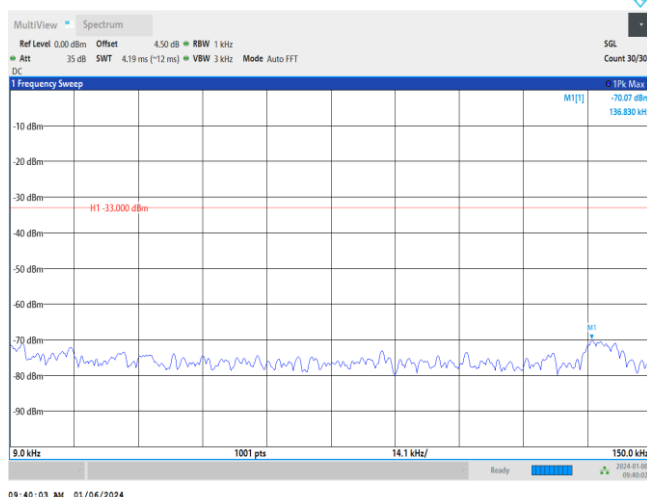
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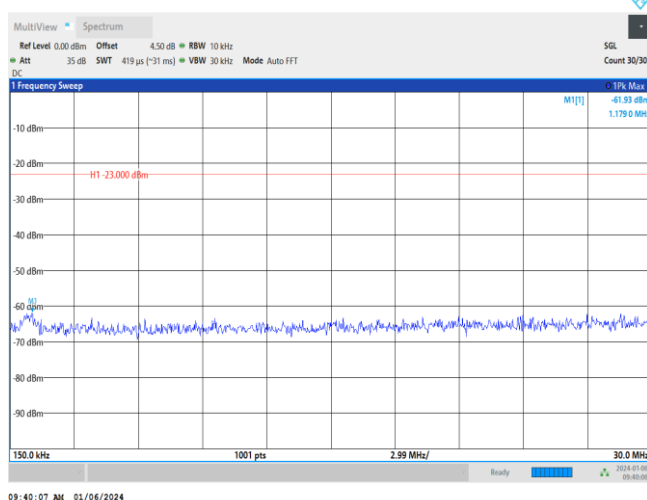
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Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-QPSK-23130-1RB#0-Range2:0.15~30MHz



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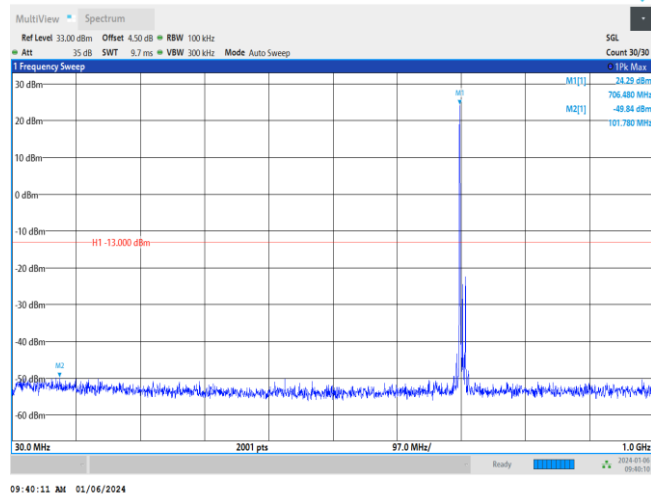
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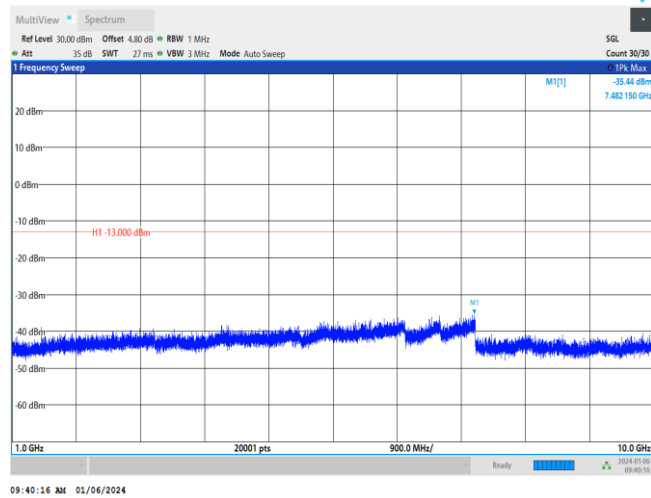
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Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 12_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	39.57	-47.29	25.10	-77.88	-13.00	64.88	Horizontal
2	2098.77	35.64	-45.69	26.52	-78.79	-13.00	65.79	Horizontal
3	2798.36	33.03	-44.44	28.65	-78.02	-13.00	65.02	Horizontal
4	3497.95	32.17	-43.32	29.60	-76.81	-13.00	63.81	Horizontal
5	4197.54	32.77	-42.36	31.62	-73.23	-13.00	60.23	Horizontal
6	4897.13	33.12	-41.48	32.97	-70.65	-13.00	57.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	39.97	-47.29	25.10	-77.48	-13.00	64.48	Vertical
2	2098.77	35.96	-45.69	26.52	-78.47	-13.00	65.47	Vertical
3	2798.36	34.39	-44.44	28.65	-76.66	-13.00	63.66	Vertical
4	3497.95	32.10	-43.32	29.60	-76.88	-13.00	63.88	Vertical
5	4197.54	32.46	-42.36	31.62	-73.54	-13.00	60.54	Vertical
6	4897.13	34.23	-41.48	32.97	-69.54	-13.00	56.54	Vertical



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Test Band = LTE Band 12_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	39.93	-47.28	25.08	-77.52	-13.00	64.52	Horizontal
2	2109.27	35.60	-45.68	26.54	-78.80	-13.00	65.80	Horizontal
3	2812.36	33.05	-44.41	28.71	-77.91	-13.00	64.91	Horizontal
4	3515.45	32.34	-43.31	29.65	-76.57	-13.00	63.57	Horizontal
5	4218.54	32.38	-42.34	31.65	-73.57	-13.00	60.57	Horizontal
6	4921.63	33.50	-41.43	33.03	-70.16	-13.00	57.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	39.93	-47.28	25.08	-77.52	-13.00	64.52	Vertical
2	2109.27	35.92	-45.68	26.54	-78.48	-13.00	65.48	Vertical
3	2812.36	34.23	-44.41	28.71	-76.73	-13.00	63.73	Vertical
4	3515.45	32.76	-43.31	29.65	-76.15	-13.00	63.15	Vertical
5	4218.54	32.47	-42.34	31.65	-73.48	-13.00	60.48	Vertical
6	4921.63	33.16	-41.43	33.03	-70.50	-13.00	57.50	Vertical



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Test Band = LTE Band 12_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	40.06	-47.26	25.07	-77.40	-13.00	64.40	Horizontal
2	2119.77	35.84	-45.67	26.56	-78.53	-13.00	65.53	Horizontal
3	2826.36	33.04	-44.37	28.77	-77.82	-13.00	64.82	Horizontal
4	3532.95	32.36	-43.29	29.71	-76.48	-13.00	63.48	Horizontal
5	4239.54	32.33	-42.32	31.68	-73.56	-13.00	60.56	Horizontal
6	4946.13	32.79	-41.38	33.08	-70.77	-13.00	57.77	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	40.06	-47.26	25.07	-77.40	-13.00	64.40	Vertical
2	2119.77	35.47	-45.67	26.56	-78.90	-13.00	65.90	Vertical
3	2826.36	33.74	-44.37	28.77	-77.12	-13.00	64.12	Vertical
4	3532.95	32.50	-43.29	29.71	-76.34	-13.00	63.34	Vertical
5	4239.54	31.79	-42.32	31.68	-74.10	-13.00	61.10	Vertical
6	4946.13	32.34	-41.38	33.08	-71.22	-13.00	58.22	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.90	-0.002686	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	4.10	0.005795	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	1.90	0.002686	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	5.10	0.007208	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	1.10	0.001555	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.80	-0.001131	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.80	-0.003958	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-1.50	-0.002120	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.50	0.000707	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-0.10	-0.000141	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	3.30	0.004664	PASS

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