

LTE Band12 Test Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.41	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.29	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.38	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.37	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.41	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.43	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.19	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.32	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.27	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.22	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.35	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.48	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.45	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.49	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.36	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.20	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.22	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.34	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.18	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.48	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.38	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.38	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.47	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.05	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.67	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.50	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.17	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.94	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	21.97	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.35	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.65	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.87	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.59	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.12	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.20	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.20	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.22	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.41	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.24	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.50	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.51	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.38	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.49	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.32	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.55	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.22	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.28	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.29	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.39	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.31	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.35	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.21	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.43	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.46	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.34	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.38	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.37	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.19	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.30	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.19	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.44	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.44	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.61	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.59	PASS

Band12	3MHz	16QAM	23095	1RB#0	22.47	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.41	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.40	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.39	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.20	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.42	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.18	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.23	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.54	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.75	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.31	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.32	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.56	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.21	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.24	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.30	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.22	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.56	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.48	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.14	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.35	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.46	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.56	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.37	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.22	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.22	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.37	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.28	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.17	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.20	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.06	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.40	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.35	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.22	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.18	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.10	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.81	PASS

Band12	5MHz	16QAM	23035	1RB#24	22.05	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.26	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.16	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.32	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.43	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.21	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.43	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.43	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.36	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.27	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.25	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.12	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.27	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.90	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.31	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.17	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.19	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.16	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.35	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.23	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.22	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.36	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.21	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.22	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.38	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.35	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.98	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.62	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.51	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.29	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.29	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.37	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.24	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.25	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.41	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.28	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.44	PASS

Band12	10MHz	QPSK	23130	25RB#12	22.37	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.29	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.36	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.32	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.59	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.34	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.19	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.29	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.35	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.32	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.08	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.06	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.40	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.19	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.39	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.42	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.15	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.75	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.15	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.57	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.48	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.48	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.35	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	6RB#0	5.23	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.22	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.08	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.11	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.11	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.93	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.25	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.32	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.16	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.11	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.15	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.04	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.16	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.33	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.24	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.03	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.11	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.06	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.35	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.13	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.09	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.16	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.06	13	PASS

Test Graphs

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



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



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



Band12-1.4MHz-16QAM-23017-6RB#0



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



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



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



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



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



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



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



Band12-3MHz-16QAM-23165-15RB#0



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



Band12-5MHz-QPSK-23095-25RB#0



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



Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-25RB#0



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



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



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



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



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



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0900	1.259	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0943	1.254	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0909	1.262	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0893	1.264	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0903	1.267	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0909	1.243	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6889	2.915	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7015	2.918	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6961	2.917	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6925	2.925	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6915	2.927	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6958	2.919	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4880	4.882	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5106	4.894	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4997	4.893	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4894	4.834	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5086	4.890	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5044	4.882	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9477	9.551	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9835	9.550	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9261	9.506	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9380	9.535	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9714	9.551	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9362	9.493	PASS

Test Graphs

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



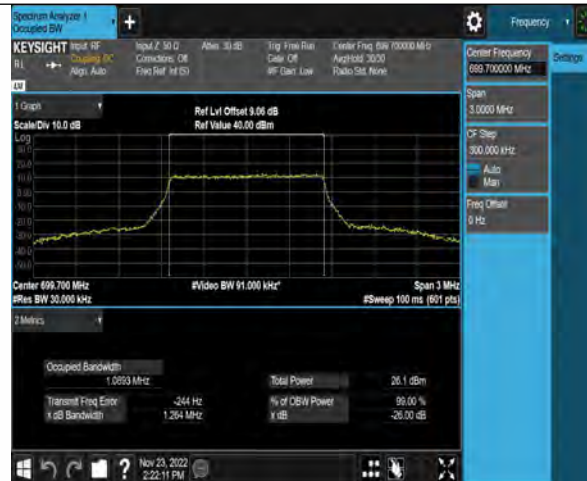
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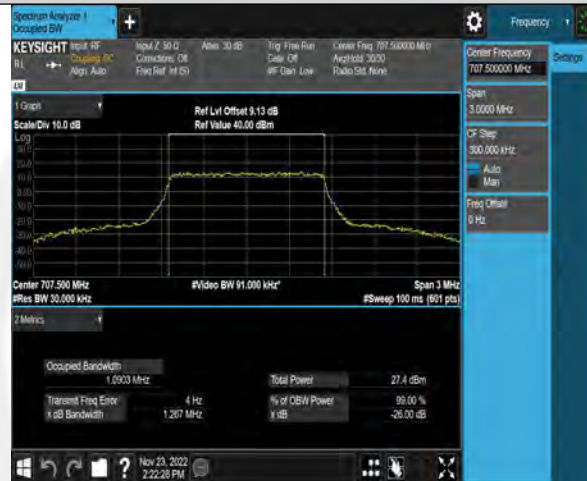
Band12-1.4MHz-QPSK-23173-6RB#0



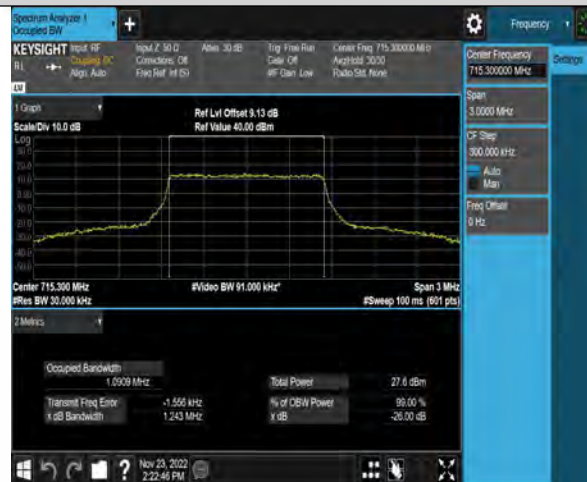
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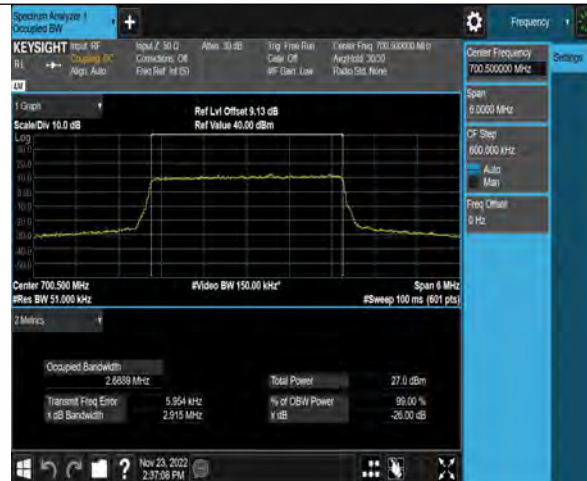
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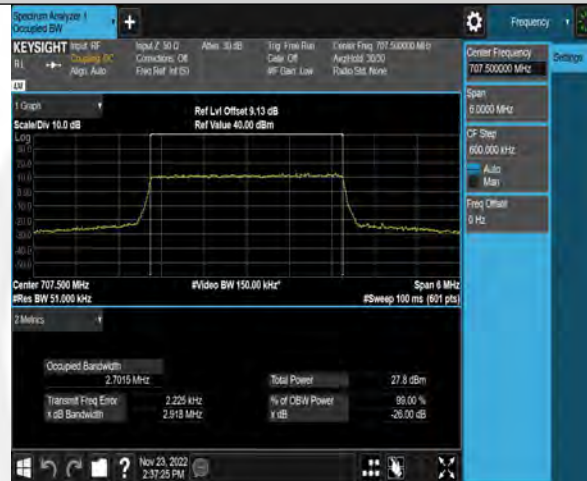
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Band12-3MHz-QPSK-23025-15RB#0



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



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



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



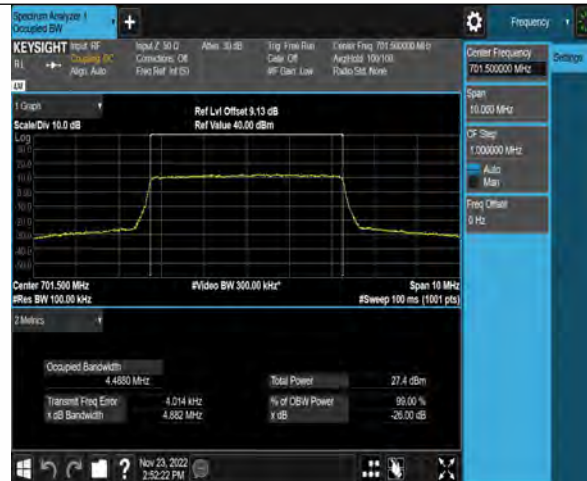
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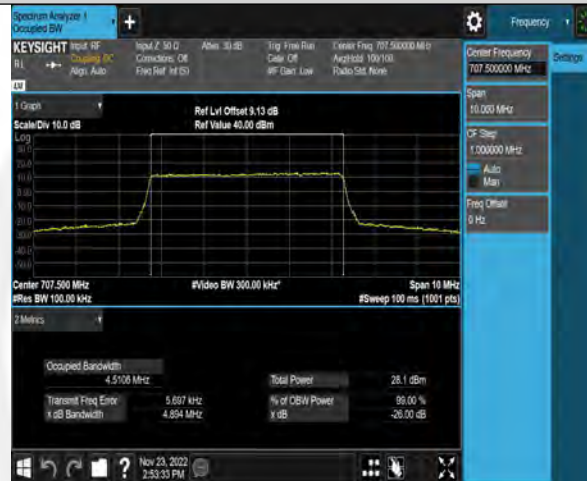
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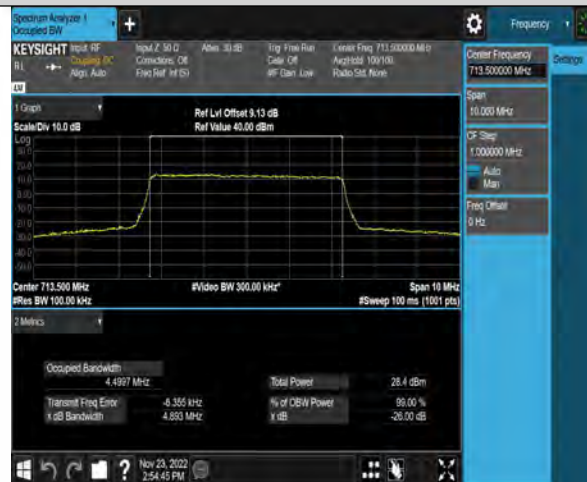
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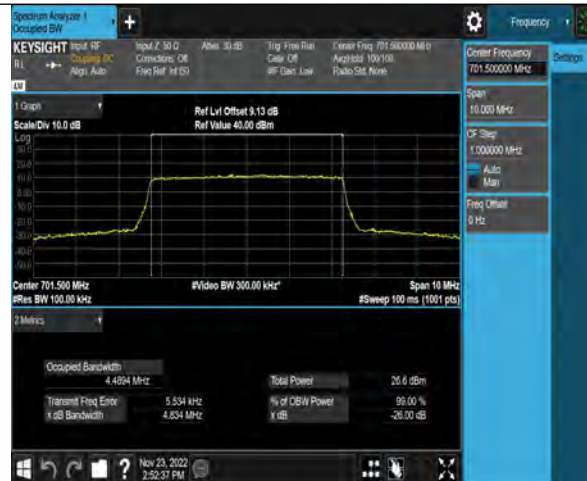
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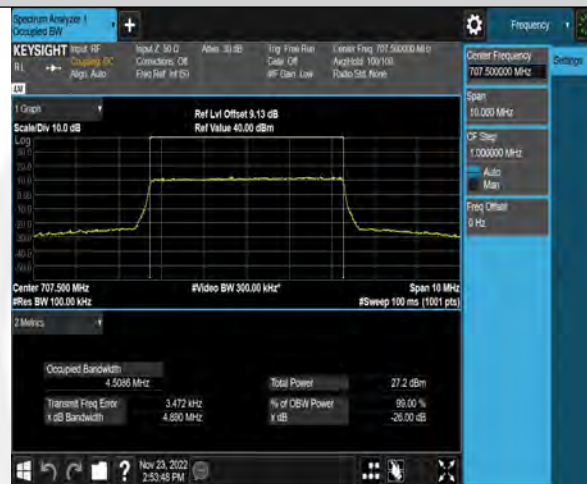
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Band12-5MHz-16QAM-23035-25RB#0



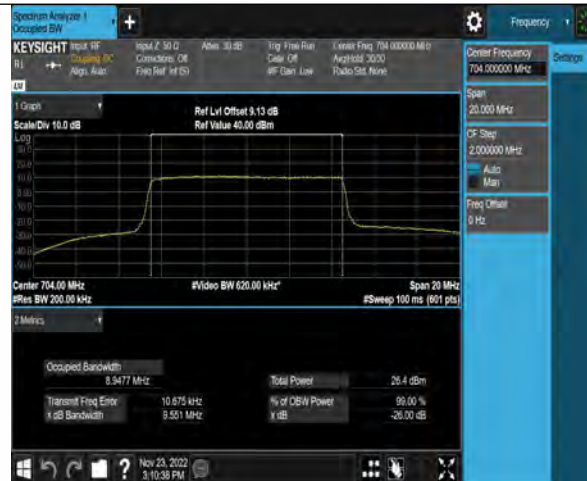
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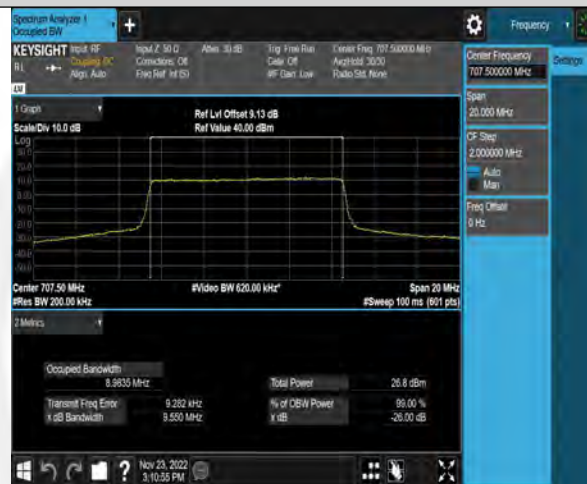
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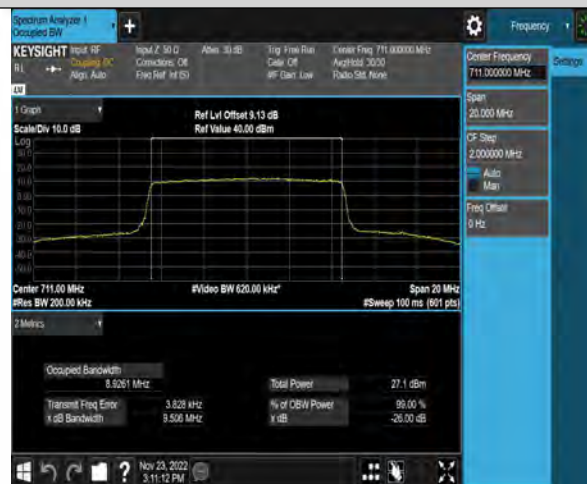
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Band12-10MHz-QPSK-23095-50RB#0



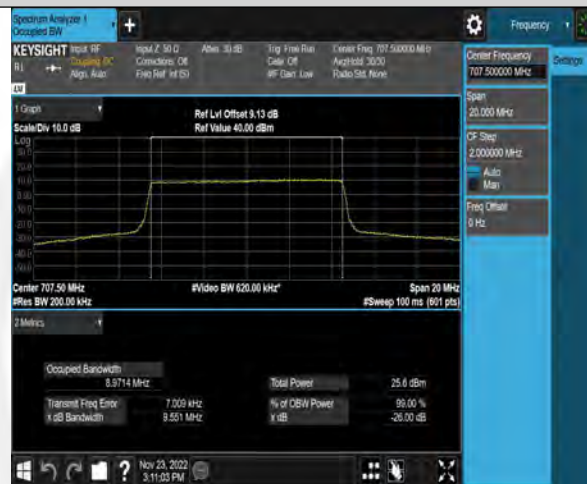
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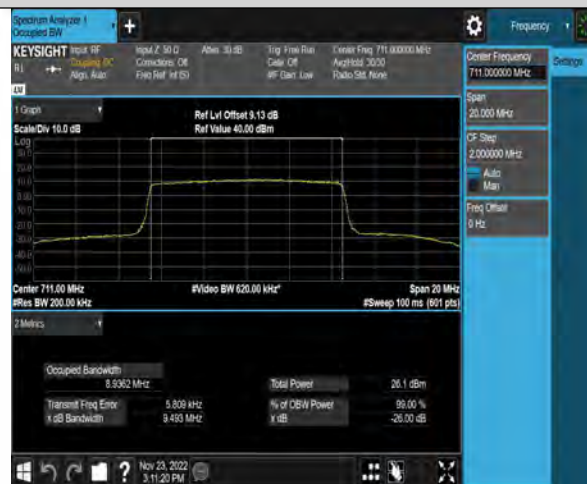
Band12-10MHz-16QAM-23060-50RB#0



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



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



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-26.45,-23.93	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-22.11,-23.91	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.97,-25.36	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-22.69,-25.39	PASS
Band12	3MHz	QPSK	23025	15RB#0	-27.49,-22.85	PASS
Band12	3MHz	QPSK	23165	15RB#0	-21.08,-26.15	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.25,-24.79	PASS
Band12	3MHz	16QAM	23165	15RB#0	-23.00,-28.02	PASS
Band12	5MHz	QPSK	23035	25RB#0	-23.68	PASS
Band12	5MHz	QPSK	23155	25RB#0	-21.54	PASS
Band12	5MHz	16QAM	23035	25RB#0	-24.99	PASS
Band12	5MHz	16QAM	23155	25RB#0	-23.31	PASS
Band12	10MHz	QPSK	23060	50RB#0	-27.19,-25.61	PASS
Band12	10MHz	QPSK	23130	50RB#0	-24.36,-25.37	PASS
Band12	10MHz	16QAM	23060	50RB#0	-28.90,-27.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	-26.18,-27.13	PASS

Test Graphs

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



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



Band12-1.4MHz-16QAM-23017-6RB#0



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



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



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



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





Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23155-25RB#0



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



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



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



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



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-44.95	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-35.53	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.64	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-45.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-35.71	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-45.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-34.95	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.43	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.73	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-45.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-36.29	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-45.24	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-34.21	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.48	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.94	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-45.38	PASS

					00MHz		
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-35.66	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-45.1	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-35.1	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.72	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.55	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-44.39	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-36.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-44.7	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-35.45	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-36.41	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-44.91	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-33.87	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-44.21	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-35.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-44.32	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-36.13	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-45.73	PASS

Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-36.21	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-45.68	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-36.71	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-44.79	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-36.58	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-45.2	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-35.06	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-44.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-35.55	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.95	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.76	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-44.79	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-36.08	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



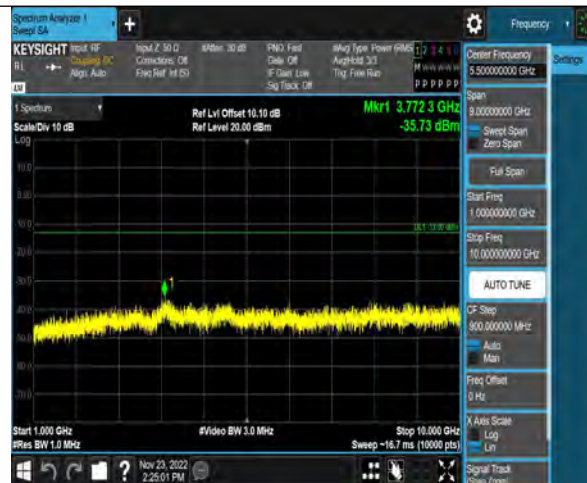
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~1000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



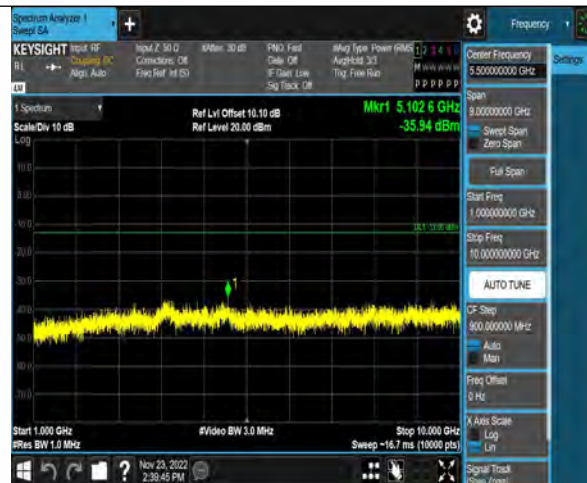
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



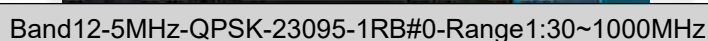
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz





Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-3.29	-0.004702	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	2.65	0.003787	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	4.45	0.006360	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-3.56	-0.005032	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	2.16	0.003053	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-4.39	-0.006205	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	2.17	0.003034	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	3.16	0.004418	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	2.23	0.003118	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	3.08	0.004402	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	3.43	0.004902	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-2.29	-0.003273	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	2.46	0.003477	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-2.57	-0.003633	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	3.68	0.005201	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-4.25	-0.005942	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-2.79	-0.003900	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-3.40	-0.004753	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	5.82	0.008308	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	6.59	0.009408	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	7.57	0.010807	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-2.15	-0.003039	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-2.43	-0.003435	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-1.86	-0.002629	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-1.42	-0.001987	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-3.46	-0.004843	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	-2.75	-0.003849	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	2.98	0.004254	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	4.19	0.005981	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	4.95	0.007066	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-1.92	-0.002714	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-4.58	-0.006473	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-2.66	-0.003760	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	-2.65	-0.003709	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	-1.63	-0.0022	±2.5	PASS

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Band12	3MHz	16QAM	23165	15RB#0	VH	NT	-1.17	-0.0016 38	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	2.20	0.00313 6	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	1.83	0.00260 9	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	2.53	0.00360 7	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-2.72	-0.0038 45	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-3.36	-0.0047 49	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-2.07	-0.0029 26	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-2.16	-0.0030 27	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	-2.65	-0.0037 14	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	1.02	0.00143 0	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-3.33	-0.0047 47	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-2.27	-0.0032 36	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	4.12	0.00587 3	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	-3.95	-0.0055 83	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	3.08	0.00435 3	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	-2.66	-0.0037 60	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	3.78	0.00529 8	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	-2.46	-0.0034 48	±2.5	PASS

Band12	5MHz	16QAM	23155	25RB#0	VH	NT	2.75	0.00385 4	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-1.65	-0.0023 44	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	2.96	0.00420 5	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-2.46	-0.0034 94	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.39	-0.0019 65	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	2.57	0.00363 3	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-3.92	-0.0055 41	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	1.50	0.00211 0	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-1.82	-0.0025 60	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-3.22	-0.0045 29	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	3.68	0.00522 7	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	1.54	0.00218 8	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	2.36	0.00335 2	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	2.43	0.00343 5	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-2.06	-0.0029 12	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-2.22	-0.0031 38	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-2.56	-0.0036 01	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.71	-0.0052 18	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-2.80	-0.0039	±2.5	PASS

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Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-2.50	-0.003573	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	1.75	0.002501	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	1.43	0.002044	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-2.92	-0.004173	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	3.35	0.004788	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-3.40	-0.004859	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-2.32	-0.003316	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	2.66	0.003802	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-2.53	-0.003616	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-1.44	-0.002035	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	1.44	0.002035	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	1.52	0.002148	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-1.99	-0.002813	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-2.05	-0.002898	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-2.46	-0.003477	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-3.28	-0.004636	±2.5	PASS

Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-1.76	-0.002488	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-4.25	-0.006007	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	1.83	0.002558	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-2.52	-0.003523	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-2.19	-0.003062	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-2.59	-0.003621	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-2.39	-0.003341	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-3.02	-0.004222	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-5.09	-0.007116	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-2.33	-0.003257	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-3.48	-0.004865	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-2.06	-0.002944	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	1.97	0.002815	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	2.13	0.003044	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	3.89	0.005560	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	2.42	0.003459	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	3.50	0.005002	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-2.50	-0.003573	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	1.72	0.00245	±2.5	PASS

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Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-3.18	-0.0045 45	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-2.45	-0.0034 63	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-1.87	-0.0026 43	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	2.50	0.00353 4	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	2.17	0.00306 7	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-2.16	-0.0030 53	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-2.99	-0.0042 26	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	2.40	0.00339 2	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-3.49	-0.0049 33	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-4.06	-0.0057 39	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-3.28	-0.0045 85	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-1.93	-0.0026 98	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-2.76	-0.0038 59	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	2.68	0.00374 7	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	2.22	0.00310 4	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-4.92	-0.0068 78	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	-3.02	-0.0042 22	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	-3.33	-0.0046 55	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	-6.11	-0.0085 42	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	7.32	0.01045 0	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	5.51	0.00786 6	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	6.87	0.00980 7	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	7.08	0.01010 7	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	4.28	0.00611 0	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	6.81	0.00972 2	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	4.92	0.00702 4	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	7.40	0.01056 4	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	3.81	0.00543 9	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-4.08	-0.0057 67	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-3.53	-0.0049 89	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	-1.86	-0.0026 29	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-1.63	-0.0023 04	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-2.50	-0.0035 34	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-2.53	-0.0035 76	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-1.93	-0.0027 28	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	-2.78	-0.0039 29	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-1.54	-0.0021	±2.5	PASS

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Band12	3MHz	QPSK	23165	15RB#0	NV	-30	-2.59	-0.0036 25	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	-1.85	-0.0025 89	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	1.90	0.00265 9	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	-2.70	-0.0037 79	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	-2.39	-0.0033 45	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-2.98	-0.0041 71	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	-2.26	-0.0031 63	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	-1.65	-0.0023 09	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	1.99	0.00278 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	4.62	0.00659 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	4.08	0.00582 4	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	5.25	0.00749 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	4.39	0.00626 7	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	6.14	0.00876 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	3.95	0.00563 9	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	6.45	0.00920 8	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	5.25	0.00749 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	4.42	0.00631 0	±2.5	PASS

Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-1.54	-0.0021 77	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	2.75	0.00388 7	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-3.50	-0.0049 47	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	2.15	0.00303 9	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-2.12	-0.0029 96	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	2.26	0.00319 4	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-1.49	-0.0021 06	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-2.53	-0.0035 76	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	2.53	0.00357 6	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-1.62	-0.0022 67	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	-1.60	-0.0022 39	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	-1.60	-0.0022 39	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	-3.38	-0.0047 31	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-2.63	-0.0036 81	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-2.59	-0.0036 25	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	-3.20	-0.0044 79	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	-2.17	-0.0030 37	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	1.86	0.00260 3	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	2.10	0.00299	±2.5	PASS

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Band12	5MHz	QPSK	23035	25RB#0	NV	-20	-1.65	-0.0023 52	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	3.85	0.00548 8	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	2.42	0.00345 0	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-2.80	-0.0039 91	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	3.91	0.00557 4	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	-1.52	-0.0021 67	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	1.54	0.00219 5	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	2.30	0.00327 9	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	-3.38	-0.0047 77	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-3.03	-0.0042 83	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-2.65	-0.0037 46	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-2.29	-0.0032 37	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-1.70	-0.0024 03	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	1.73	0.00244 5	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-2.98	-0.0042 12	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-1.46	-0.0020 64	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-3.19	-0.0045 09	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	-4.53	-0.0063 49	±2.5	PASS

Band12	5MHz	QPSK	23155	25RB#0	NV	-20	-3.06	-0.0042 89	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	2.32	0.00325 2	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	-3.18	-0.0044 57	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	3.12	0.00437 3	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	2.78	0.00389 6	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	2.95	0.00413 5	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	1.37	0.00192 0	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	-2.19	-0.0030 69	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-2.23	-0.0031 79	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-3.26	-0.0046 47	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-3.26	-0.0046 47	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-3.71	-0.0052 89	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-2.19	-0.0031 22	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-2.22	-0.0031 65	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	-2.66	-0.0037 92	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-2.90	-0.0041 34	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-3.52	-0.0050 18	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-3.03	-0.0042 83	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	-2.12	-0.0029	±2.5	PASS

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Band12	5MHz	16QAM	23095	25RB#0	NV	-10	-2.52	-0.0035 62	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-2.32	-0.0032 79	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	1.19	0.00168 2	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-2.49	-0.0035 19	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-2.07	-0.0029 26	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-2.42	-0.0034 20	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-2.95	-0.0041 70	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-2.40	-0.0033 64	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-2.05	-0.0028 73	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-2.33	-0.0032 66	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-3.16	-0.0044 29	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-2.96	-0.0041 49	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	-2.79	-0.0039 10	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	-3.23	-0.0045 27	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-1.47	-0.0020 60	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	2.66	0.00372 8	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-1.67	-0.0023 72	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-2.03	-0.0028 84	±2.5	PASS

Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-1.40	-0.0019 89	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-2.68	-0.0038 07	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	1.86	0.00264 2	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-1.69	-0.0024 01	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-1.04	-0.0014 77	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-0.96	-0.0013 64	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-3.59	-0.0050 99	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-2.79	-0.0039 43	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.96	-0.0027 70	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-3.12	-0.0044 10	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-4.75	-0.0067 14	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	1.33	0.00188 0	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-3.08	-0.0043 53	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-4.16	-0.0058 80	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-4.79	-0.0067 70	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-2.46	-0.0034 77	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.69	-0.0037 83	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-3.23	-0.0045 43	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-3.56	-0.0050	±2.5	PASS

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Band12	10MHz	QPSK	23130	50RB#0	NV	0	-4.21	-0.0059 21	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-2.26	-0.0031 79	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-4.33	-0.0060 90	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-3.30	-0.0046 41	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-4.66	-0.0065 54	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-3.28	-0.0046 13	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-2.26	-0.0032 10	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	2.75	0.00390 6	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	2.25	0.00319 6	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	2.42	0.00343 8	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	1.93	0.00274 1	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	2.60	0.00369 3	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	3.92	0.00556 8	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-1.85	-0.0026 28	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	2.65	0.00376 4	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-2.39	-0.0033 78	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-1.96	-0.0027 70	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	4.06	0.00573 9	±2.5	PASS

Band12	10MHz	16QAM	23095	50RB#0	NV	0	-1.47	-0.002078	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	1.19	0.001682	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-2.17	-0.003067	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-1.56	-0.002205	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-2.03	-0.002869	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-1.96	-0.002770	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-4.82	-0.006779	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-3.02	-0.004248	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-3.46	-0.004866	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-2.32	-0.003263	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-5.32	-0.007482	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-3.49	-0.004909	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-2.56	-0.003601	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-1.77	-0.002489	±2.5	PASS