

Appendix



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.50	18.37	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.24	18.11	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.41	18.28	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.47	18.34	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.55	18.42	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.34	18.21	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.51	18.38	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.54	18.41	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.59	18.46	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.66	18.53	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.48	18.35	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.48	18.35	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.46	18.33	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.53	18.4	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.04	17.91	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.36	18.23	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.05	17.92	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.36	18.23	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.27	18.14	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.35	18.22	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.25	18.12	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.52	18.39	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.45	18.32	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.53	18.4	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.48	18.35	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.29	18.16	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.40	18.27	34.77	PASS



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Band12	1.4MHz	16QAM	23017	6RB#0	22.19	17.06	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.85	18.72	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	24.06	18.93	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.71	18.58	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.40	18.27	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.40	18.27	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.92	17.79	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.67	17.54	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.69	18.56	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.68	18.55	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.10	17.97	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.19	18.06	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.71	17.58	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.95	17.82	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.18	17.05	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.32	18.19	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.40	18.27	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.35	18.22	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.51	18.38	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.51	18.38	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.63	18.5	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.59	18.46	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.43	18.3	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.43	18.3	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.70	18.57	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.51	18.38	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.64	18.51	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.62	18.49	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.45	18.32	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.27	18.14	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.20	18.07	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.20	18.07	34.77	PASS



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Band12	3MHz	QPSK	23165	8RB#0	23.47	18.34	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.25	18.12	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.32	18.19	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.16	18.03	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.46	18.33	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.41	18.28	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.35	18.22	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.63	17.5	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.34	17.21	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.33	17.2	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.62	17.49	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.59	18.46	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.52	18.39	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.66	18.53	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.67	17.54	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.54	17.41	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.34	17.21	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.47	17.34	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.22	18.09	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.27	18.14	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.17	18.04	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.60	17.47	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.28	17.15	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.12	16.99	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.11	16.98	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.48	18.35	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.57	18.44	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.41	18.28	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.39	18.26	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.39	18.26	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.44	18.31	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.55	18.42	34.77	PASS



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Band12	5MHz	QPSK	23095	1RB#0	23.55	18.42	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.71	18.58	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.58	18.45	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.52	18.39	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.41	18.28	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.49	18.36	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.57	18.44	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.29	18.16	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.32	18.19	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.11	17.98	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.35	18.22	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.28	18.15	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.21	18.08	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.18	18.05	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.13	18	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.20	18.07	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.32	18.19	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.30	17.17	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.53	17.4	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.58	17.45	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.57	17.44	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.67	18.54	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.44	18.31	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.67	18.54	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.60	17.47	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.60	17.47	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.60	17.47	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.56	17.43	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.57	18.44	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.45	18.32	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.44	18.31	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.13	17	34.77	PASS



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Band12	5MHz	16QAM	23155	12RB#6	22.33	17.2	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.14	17.01	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.24	17.11	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.38	18.25	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.41	18.28	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.38	18.25	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.57	18.44	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.57	18.44	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.35	18.22	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.58	18.45	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.29	18.16	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.78	18.65	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.18	18.05	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.59	18.46	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.60	18.47	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.56	18.43	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.63	18.5	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.41	18.28	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.52	18.39	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.21	18.08	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.52	18.39	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.53	18.4	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.28	18.15	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.34	18.21	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.53	18.4	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.89	18.76	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.33	18.2	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.45	17.32	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.56	17.43	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.58	17.45	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.67	17.54	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.49	18.36	34.77	PASS



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Band12	10MHz	16QAM	23095	1RB#24	23.72	18.59	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.48	18.35	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.62	17.49	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.62	17.49	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.59	17.46	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.66	17.53	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.89	18.76	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.80	18.67	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.52	18.39	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.56	17.43	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.57	17.44	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.41	17.28	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.54	17.41	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	4.92	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.84	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.88	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.64	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.70	13	PASS

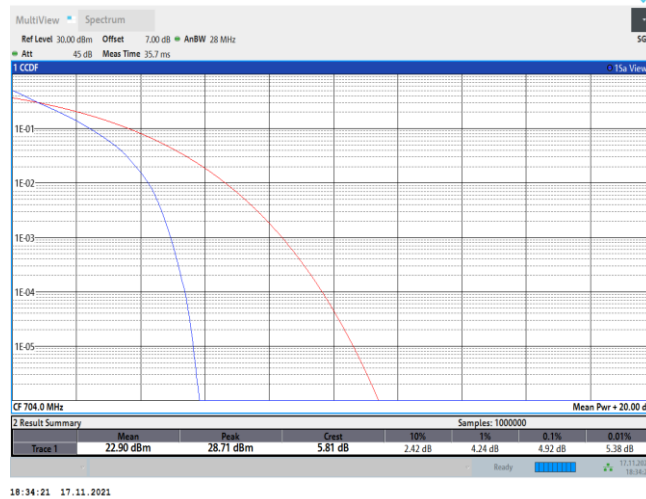


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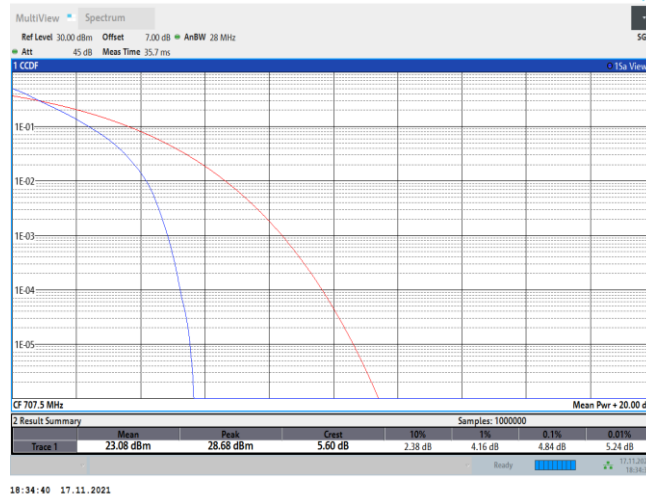
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Test Graphs

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



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

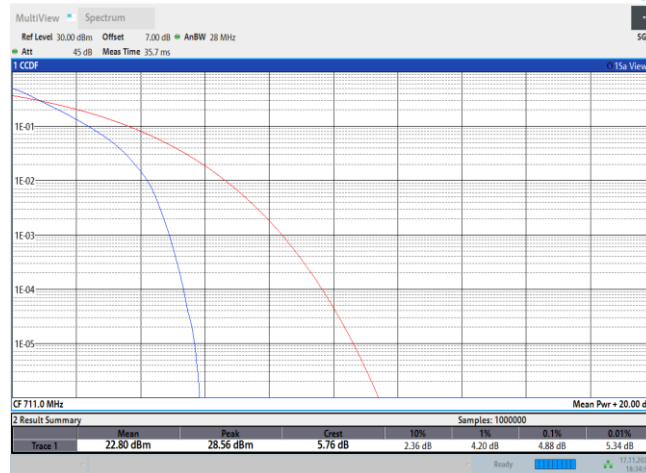


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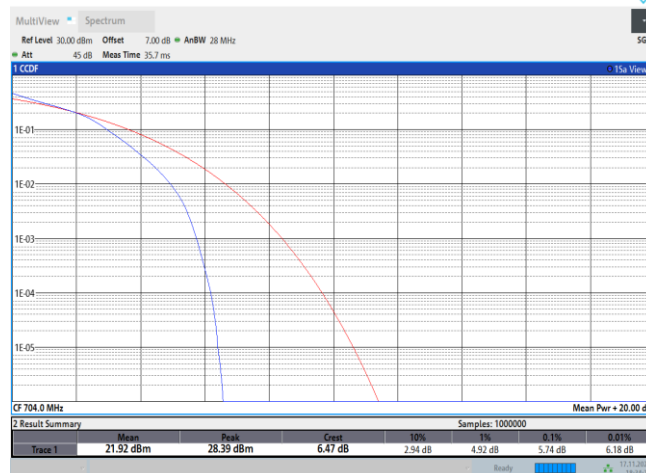
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Band12-10MHz-QPSK-23130-50RB#0



18:34:59 17.11.2021

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



18:34:30 17.11.2021

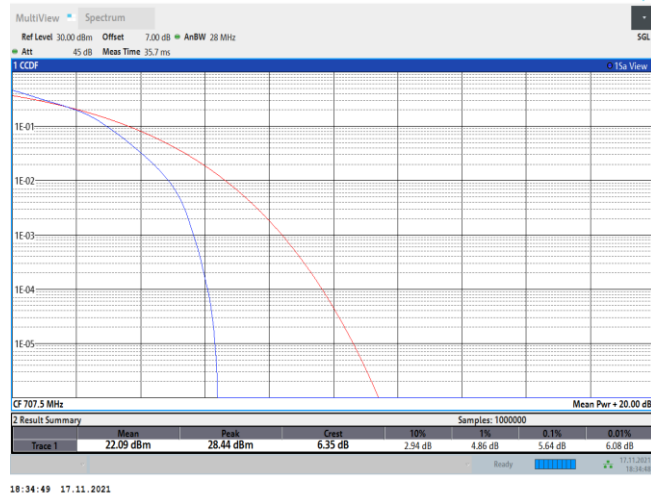


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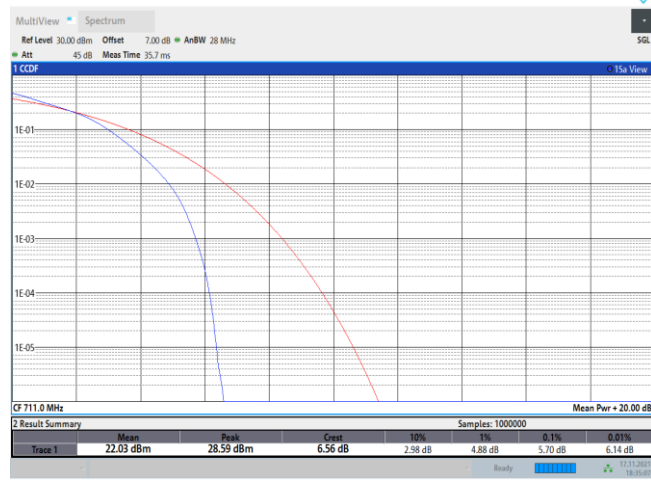
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Band12-10MHz-16QAM-23095-50RB#0



18:34:49 17.11.2021

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



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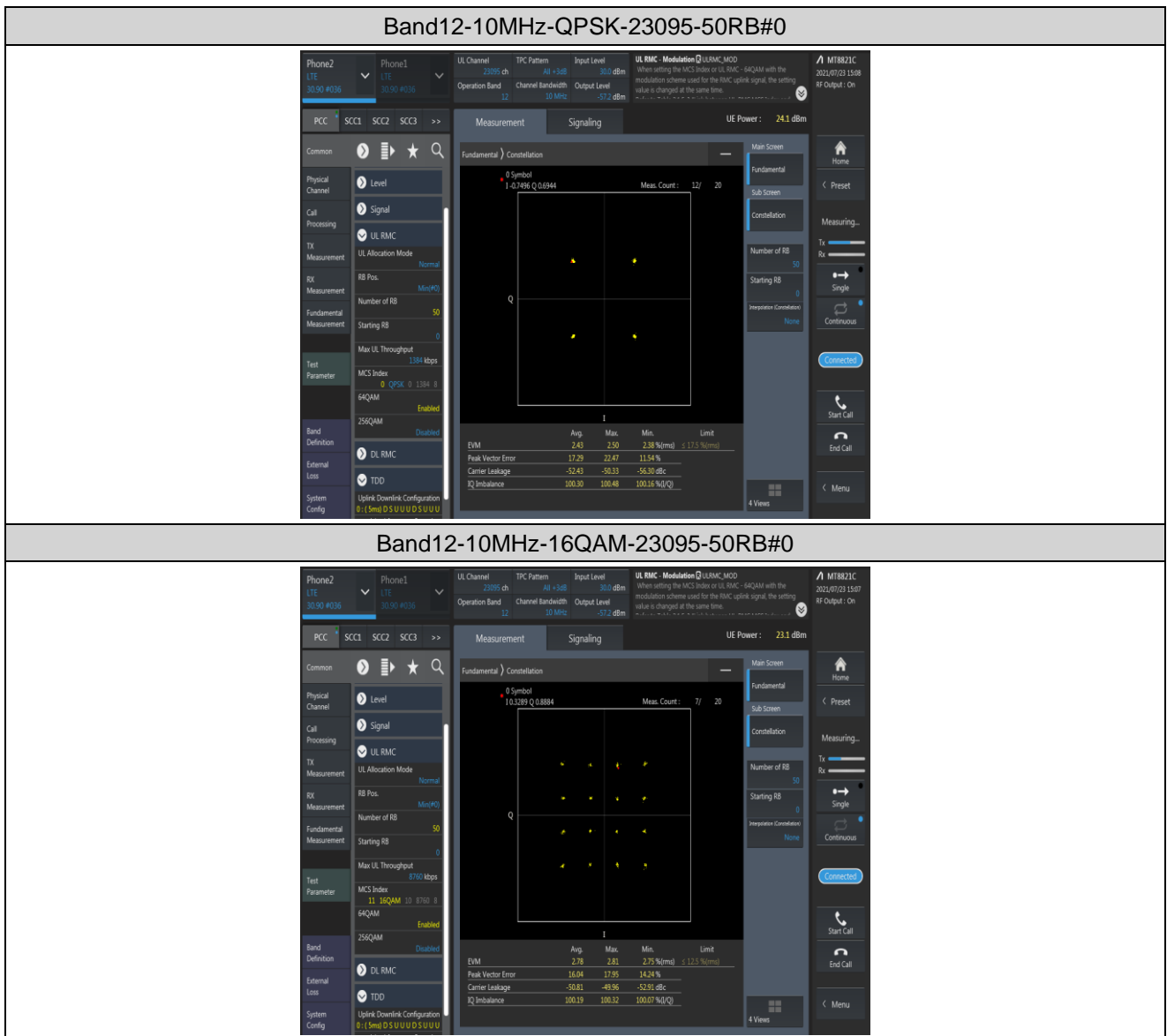
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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS

Test Graphs



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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	23017	6RB#0	1.096	1.302	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.103	1.290	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.1	1.317	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.099	1.314	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.096	1.305	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.287	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.697	2.970	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.698	2.976	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.698	2.970	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.69	2.988	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.693	2.988	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.697	2.976	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.483	4.930	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.467	4.920	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.940	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.467	4.890	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.475	4.950	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.484	4.940	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.938	9.820	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.918	9.740	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.912	9.640	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.927	9.640	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.918	9.640	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.909	9.720	PASS



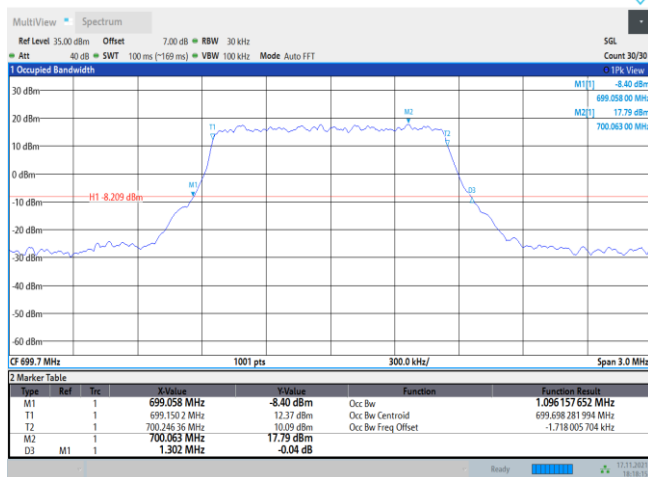
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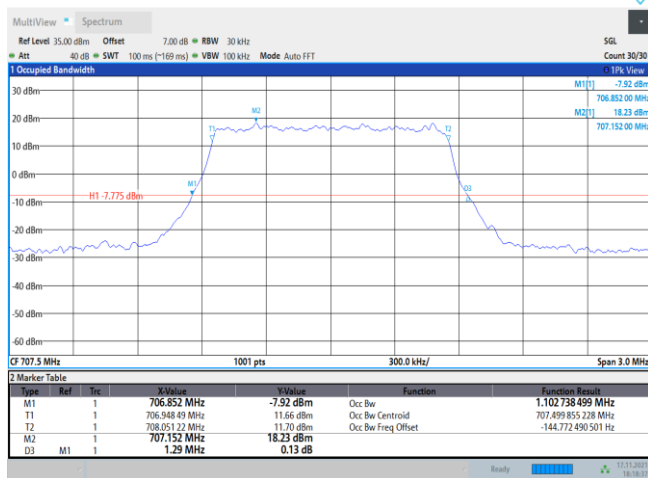
Test Graphs

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



18-18-15 17.11.2021

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



18-18-38 17.11.2021

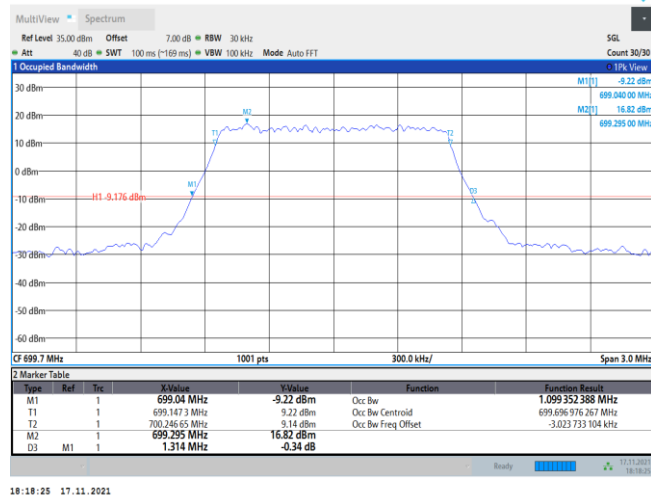


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Band12-1.4MHz-QPSK-23173-6RB#0



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

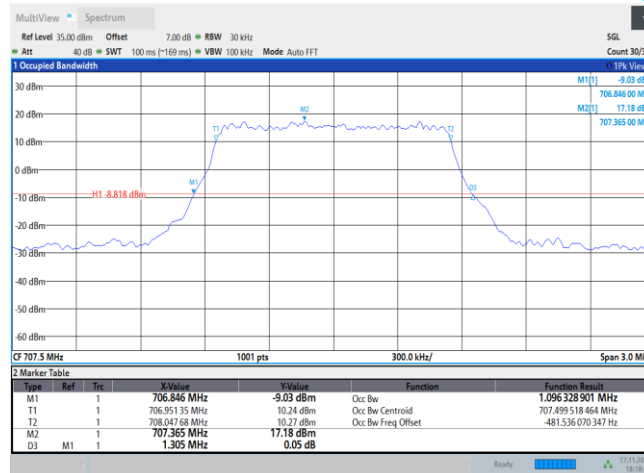


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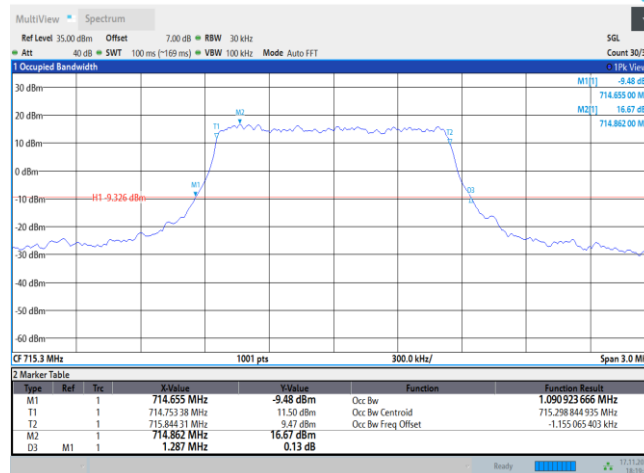
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Band12-1.4MHz-16QAM-23095-6RB#0



18:18:48 17.11.2021

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



18:19:11 17.11.2021

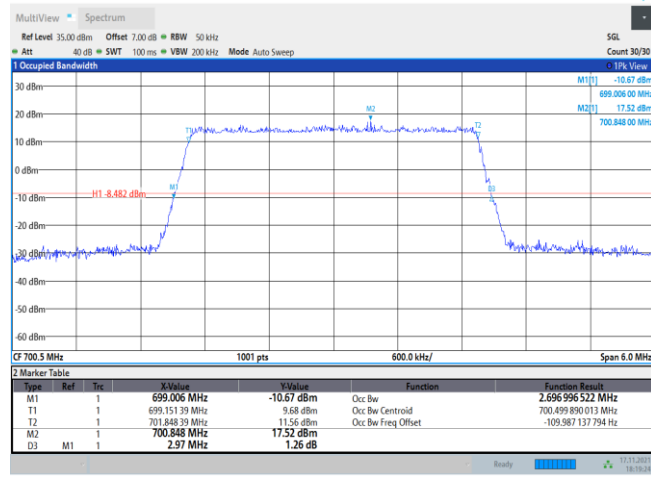


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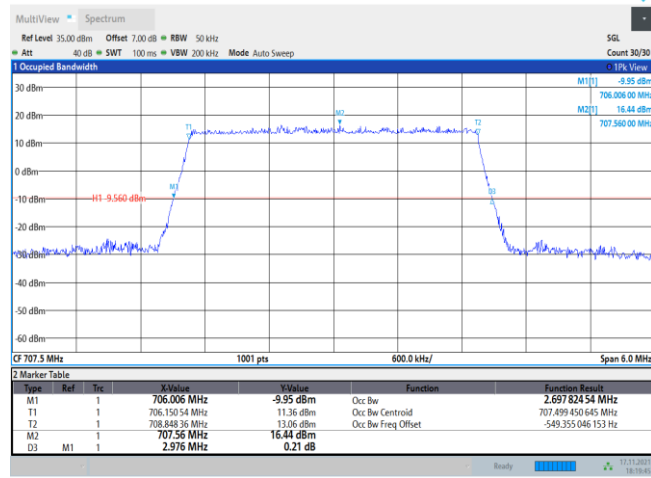
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Band12-3MHz-QPSK-23025-15RB#0



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



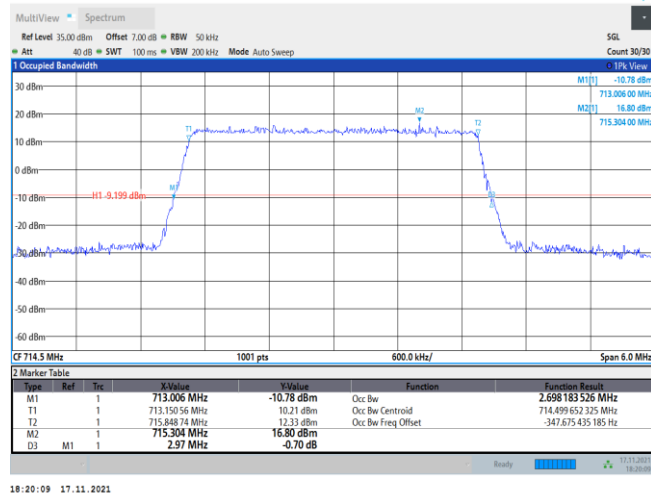
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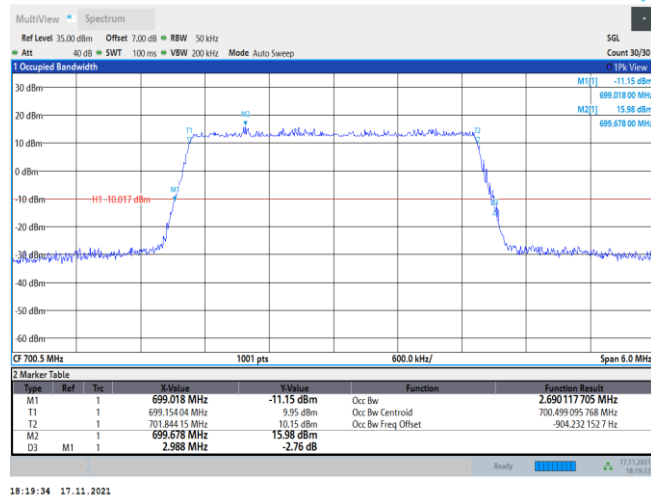
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Band12-3MHz-QPSK-23165-15RB#0



18:20:09 17.11.2021

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



18:19:34 17.11.2021

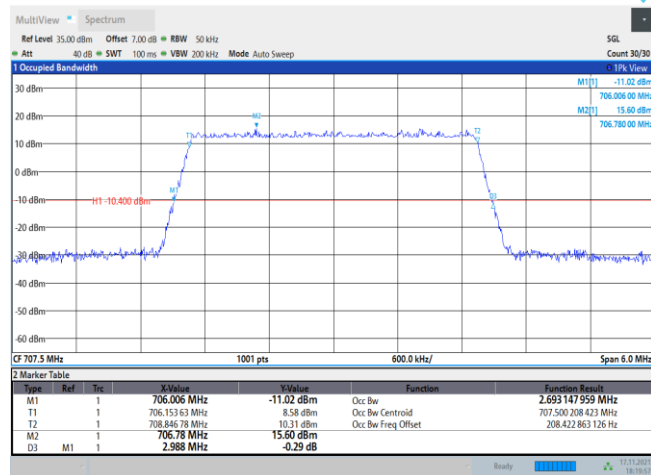


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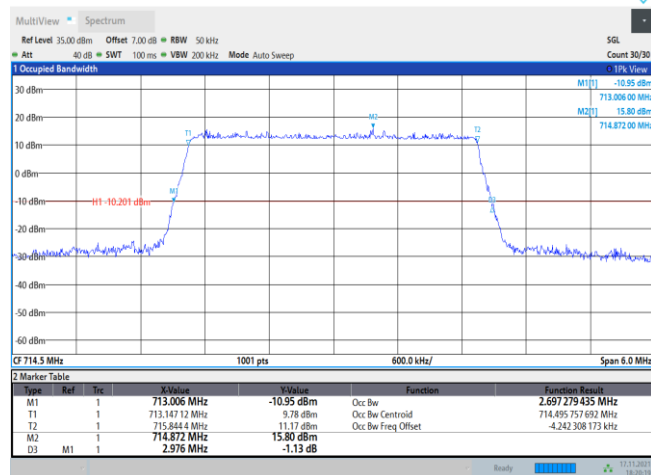
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Band12-3MHz-16QAM-23095-15RB#0



18:19:57 17.11.2021

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



18:20:19 17.11.2021

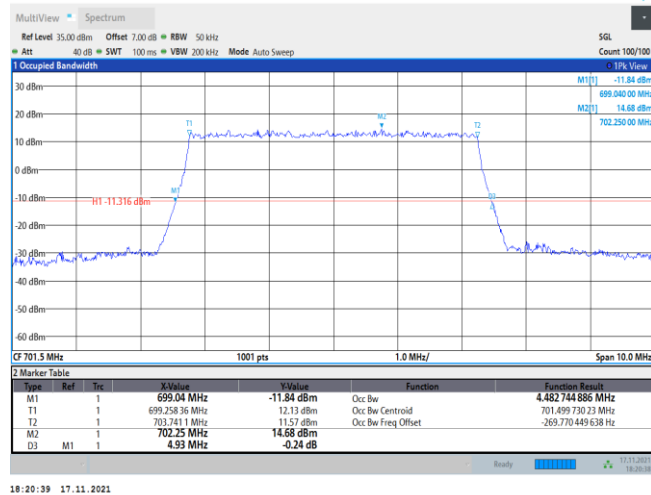


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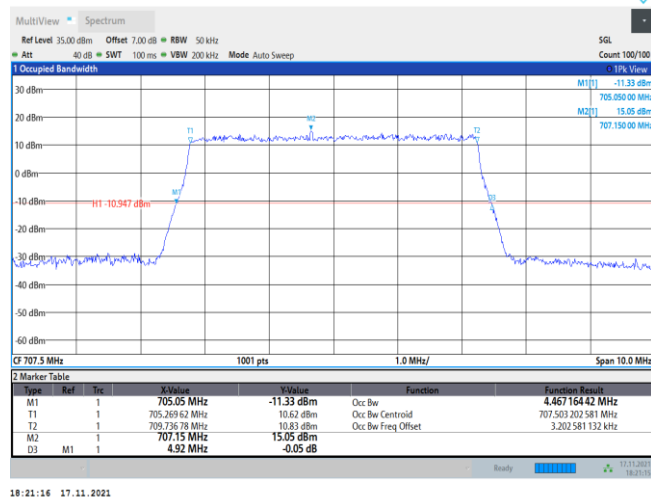
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Band12-5MHz-QPSK-23035-25RB#0



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

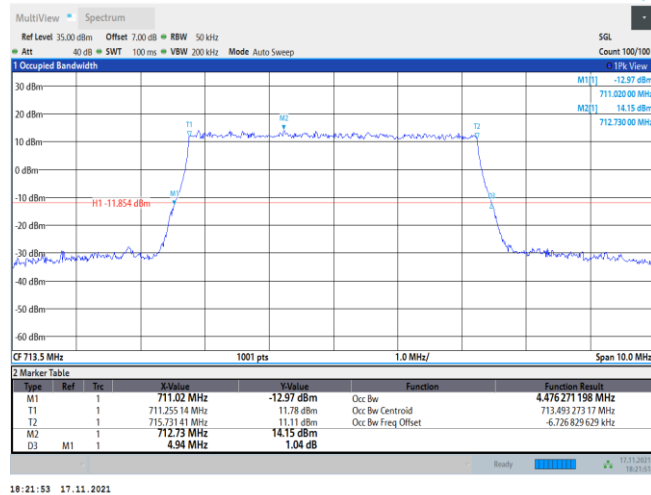


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Band12-5MHz-QPSK-23155-25RB#0



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



18:20:57 17.11.2021

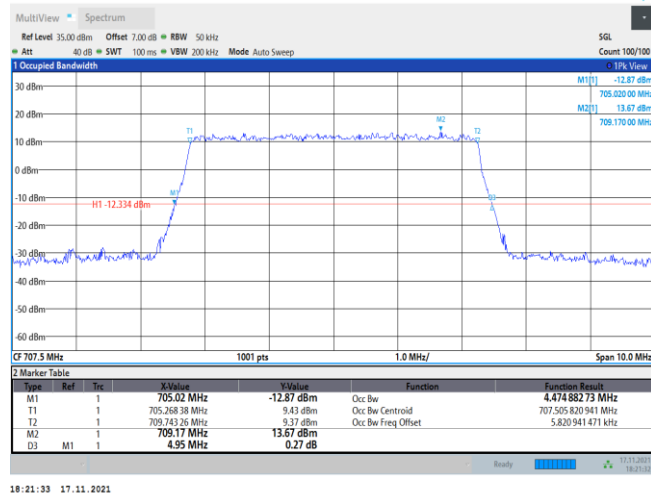


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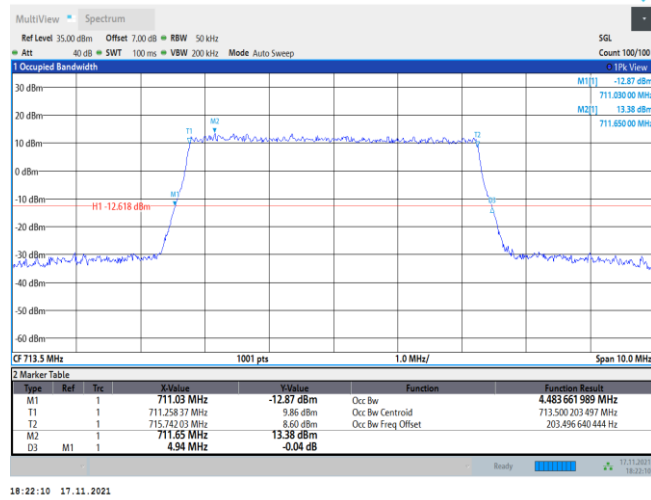
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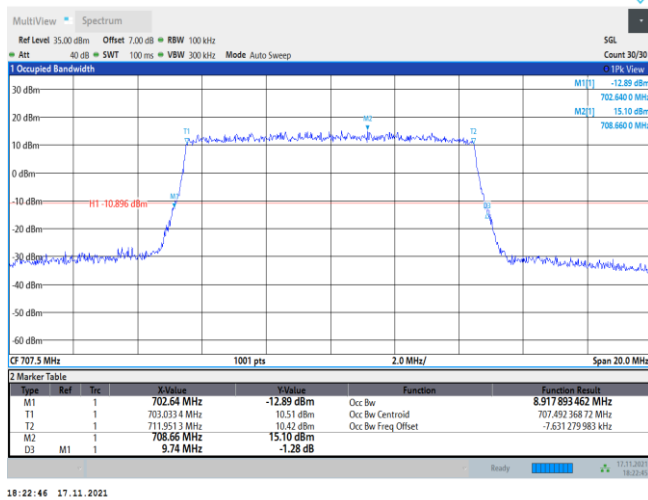
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Band12-10MHz-QPSK-23060-50RB#0



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

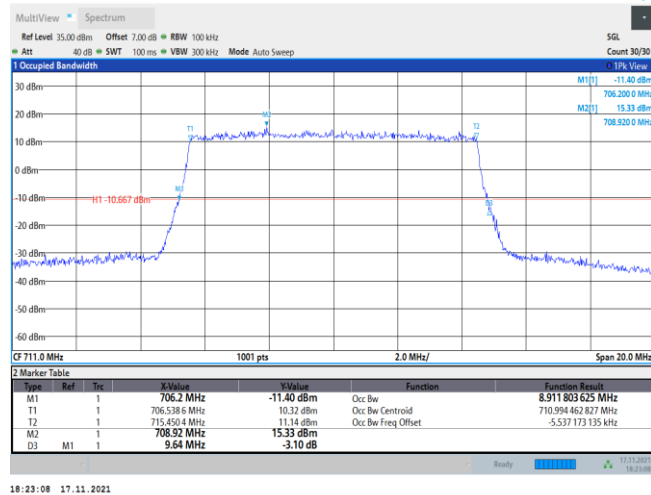


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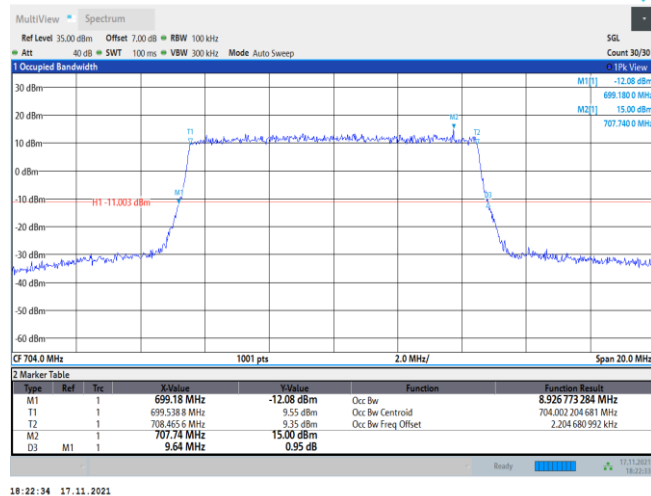
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Band12-10MHz-QPSK-23130-50RB#0



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



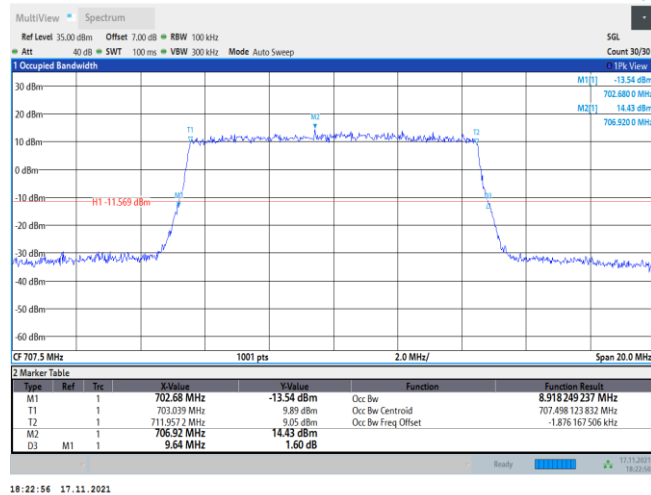
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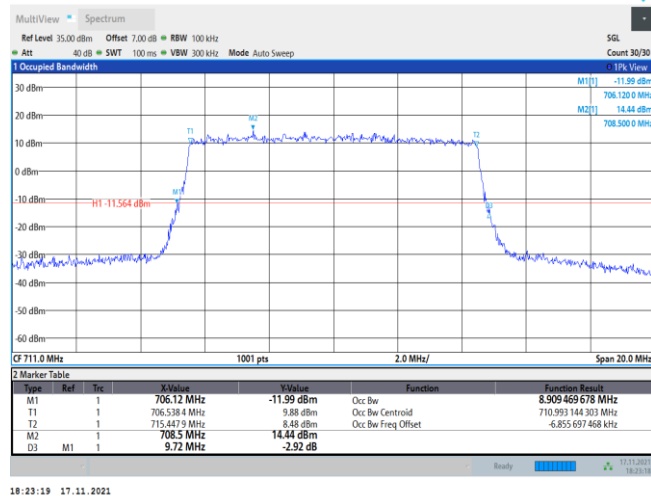
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Band12-10MHz-16QAM-23095-50RB#0



18:22:56 17.11.2021

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



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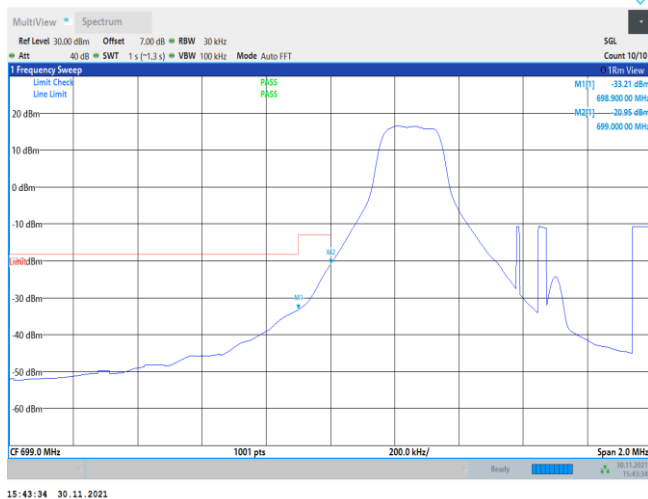
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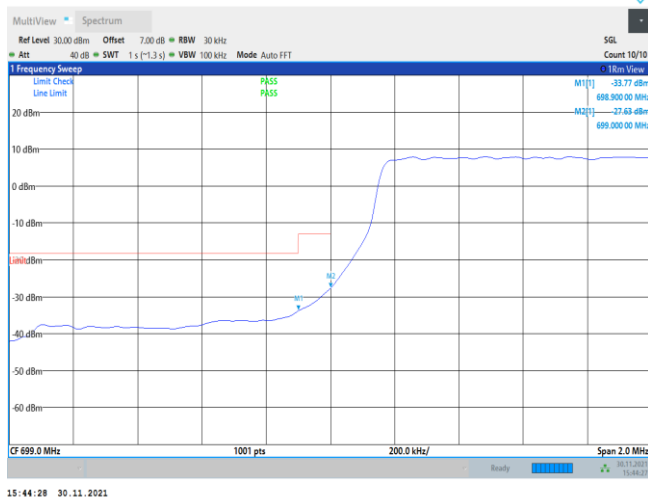
Band Edge

Test Graphs

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



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

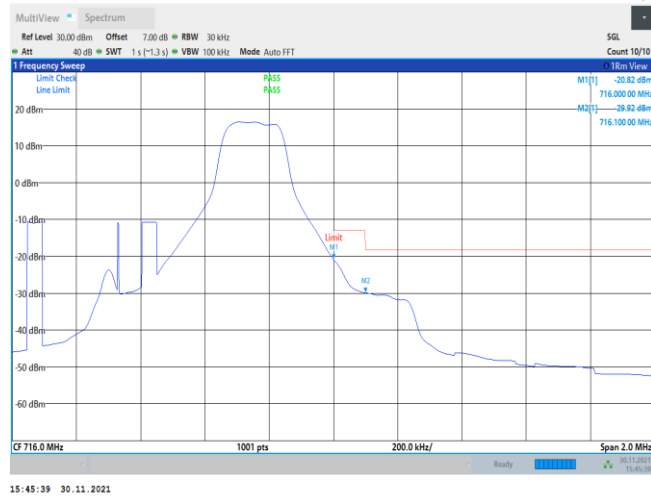


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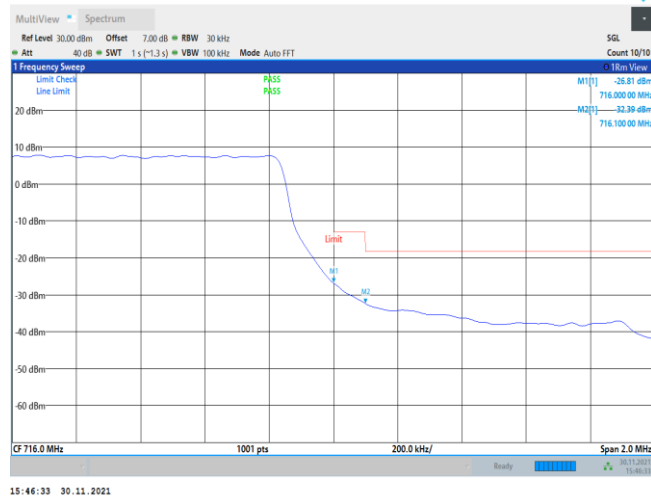
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Band12-1.4MHz-QPSK-23173-1RB#5



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



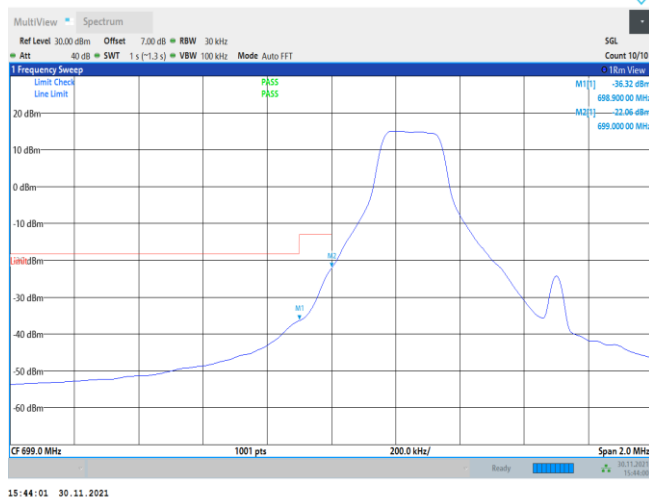
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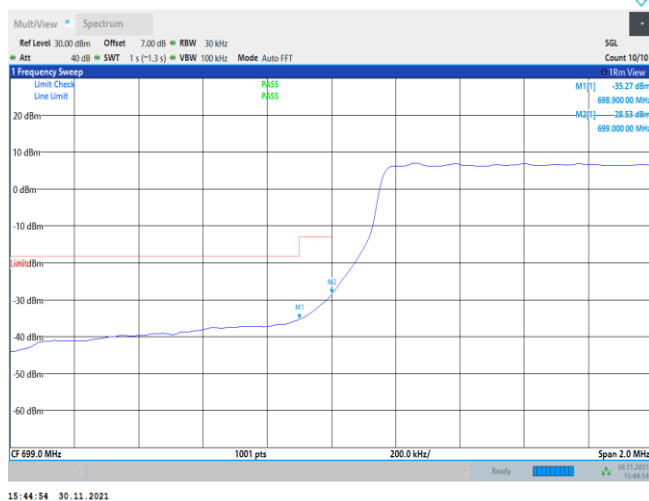


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Band12-1.4MHz-16QAM-23017-6RB#0

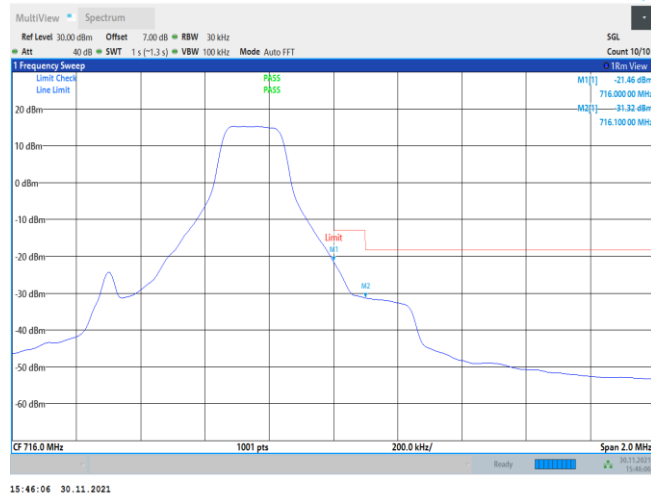


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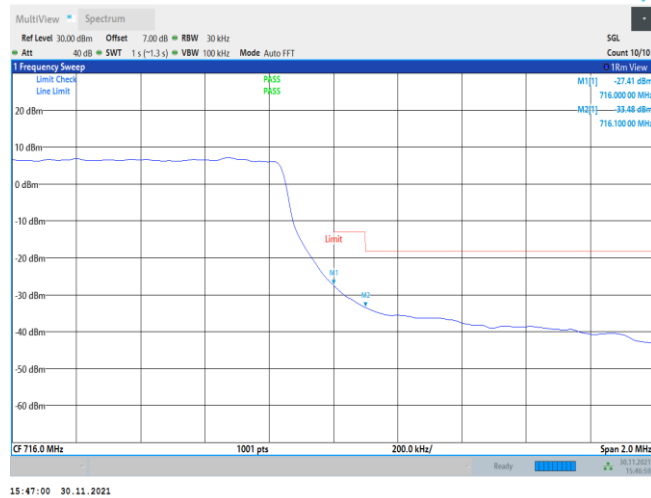
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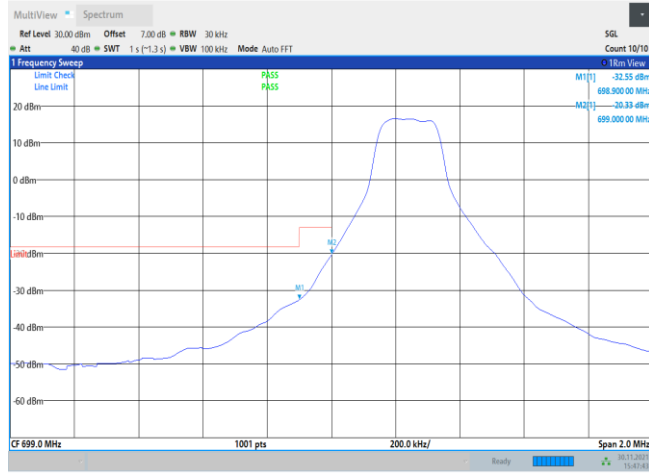


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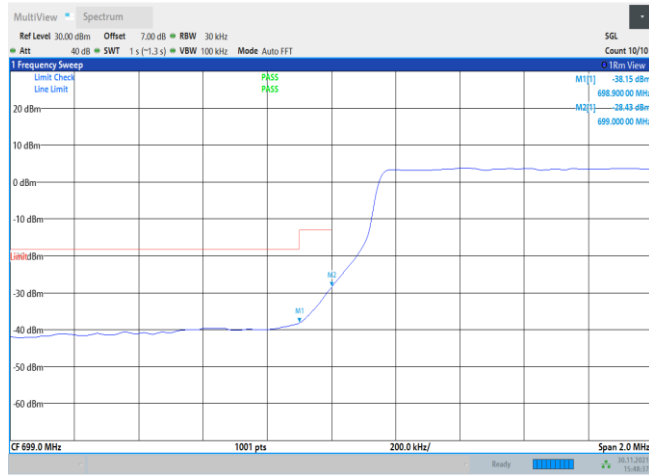
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Band12-3MHz-QPSK-23025-1RB#0



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



15:48:37 30.11.2021

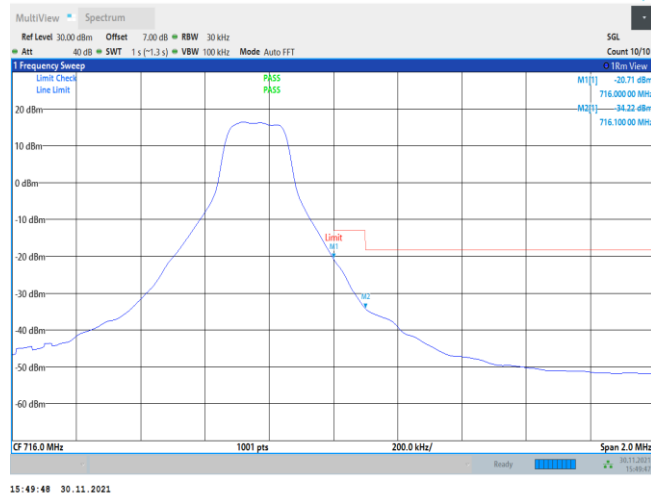


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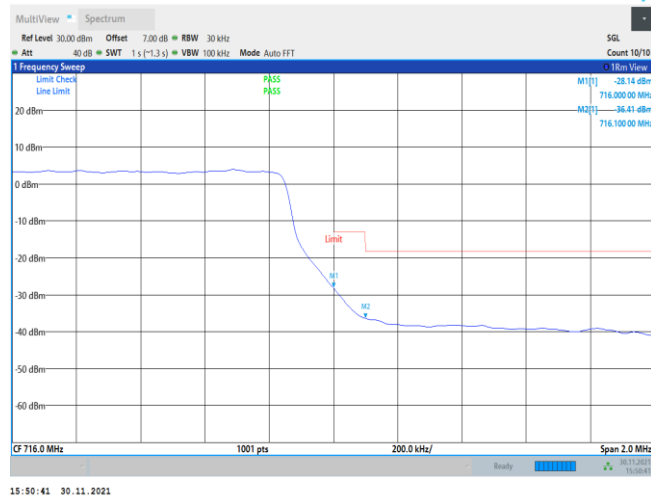
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Band12-3MHz-QPSK-23165-1RB#14



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

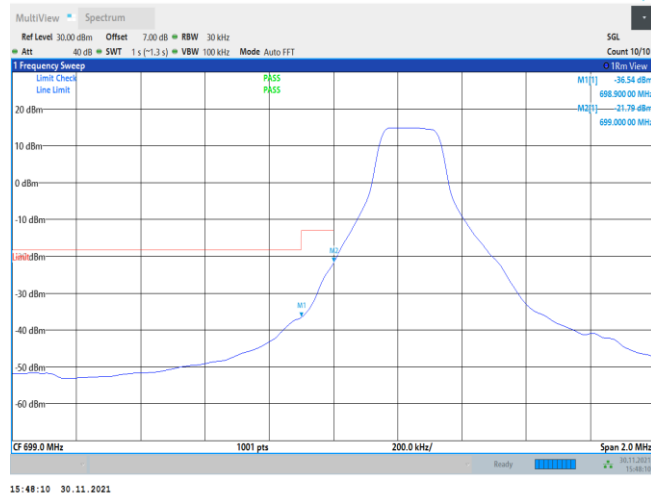


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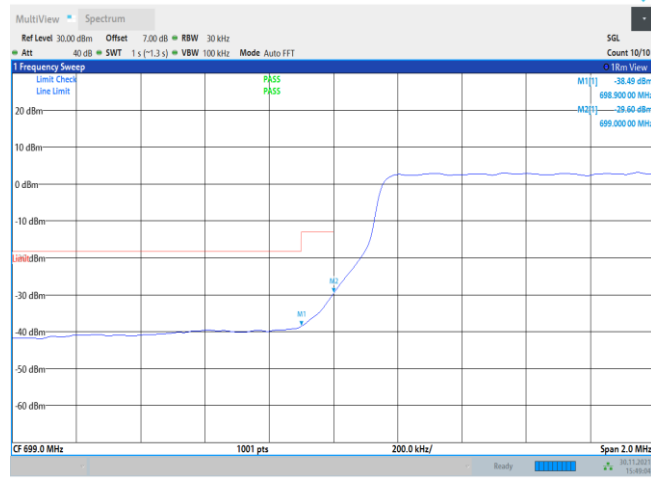
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Band12-3MHz-16QAM-23025-1RB#0



15:48:10 30.11.2021

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



15:49:05 30.11.2021

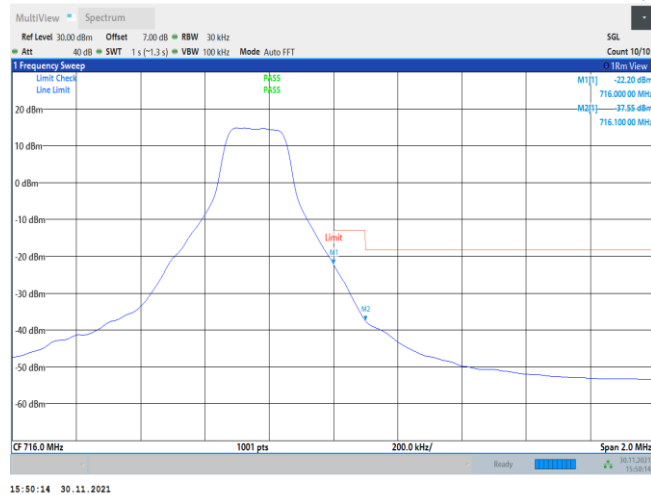


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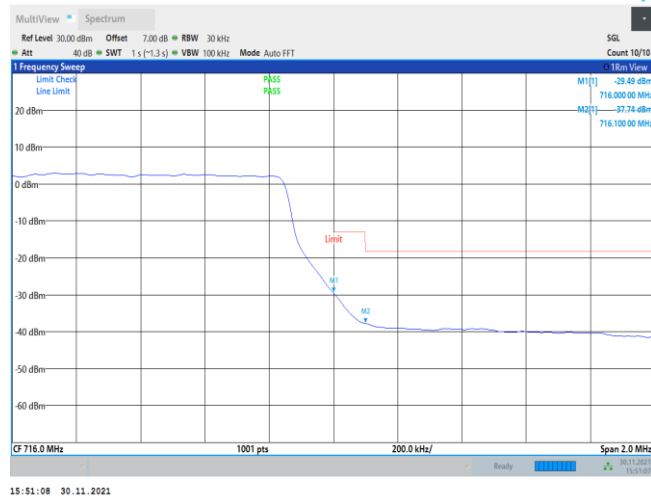
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Band12-3MHz-16QAM-23165-1RB#14



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

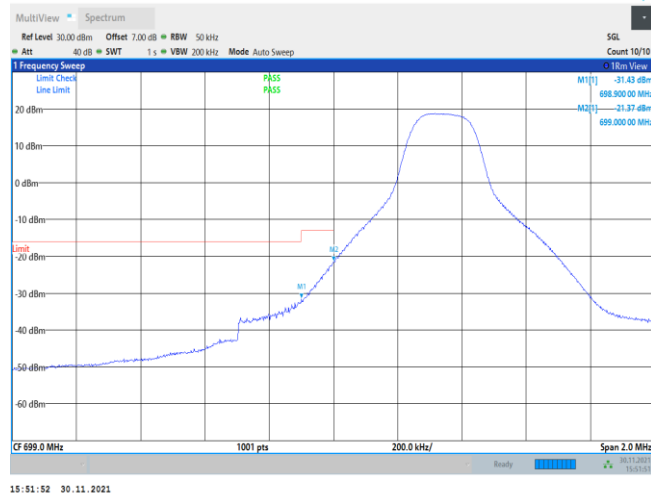


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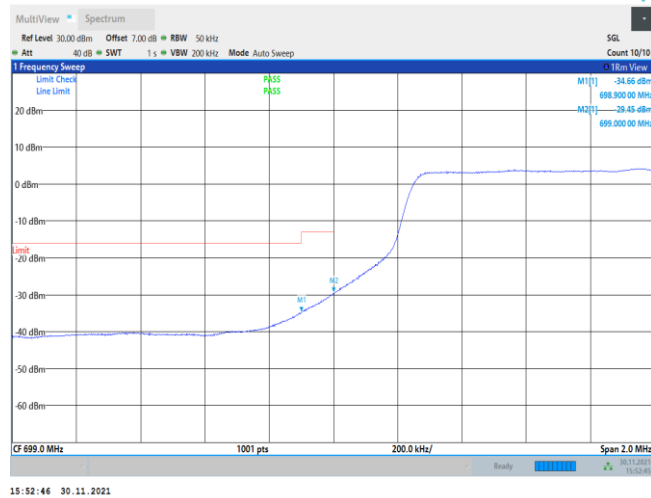
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Band12-5MHz-QPSK-23035-1RB#0



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

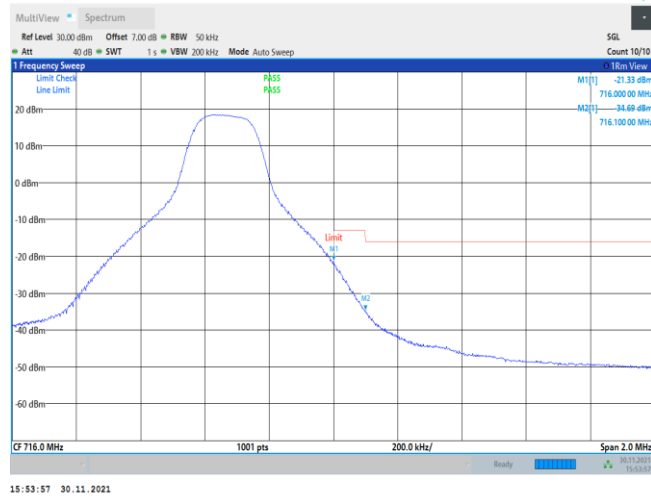


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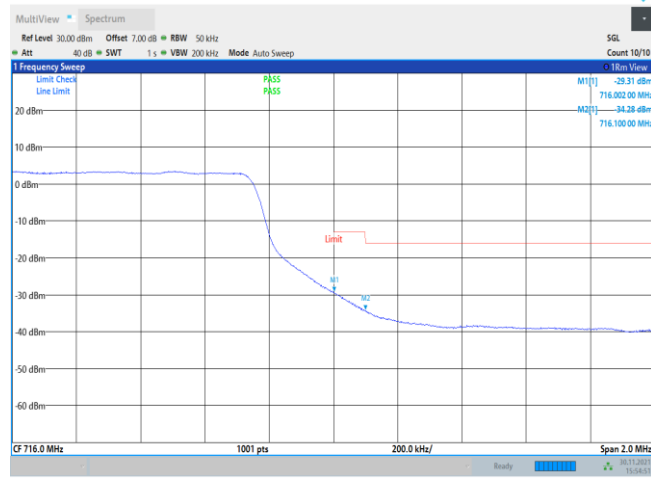
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Band12-5MHz-QPSK-23155-1RB#24



15:53:57 30.11.2021

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



15:54:52 30.11.2021

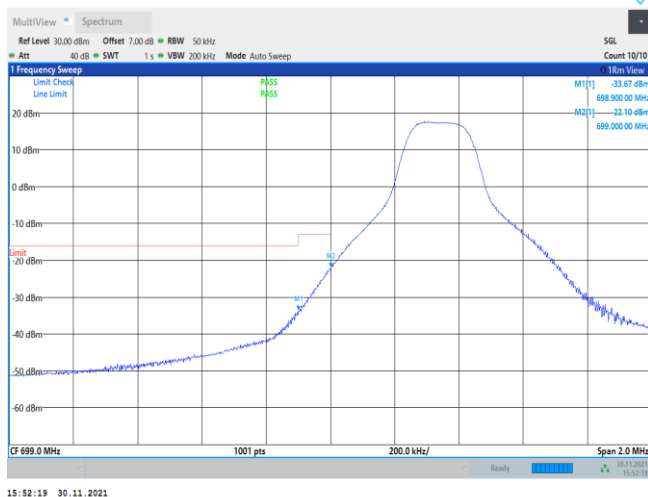


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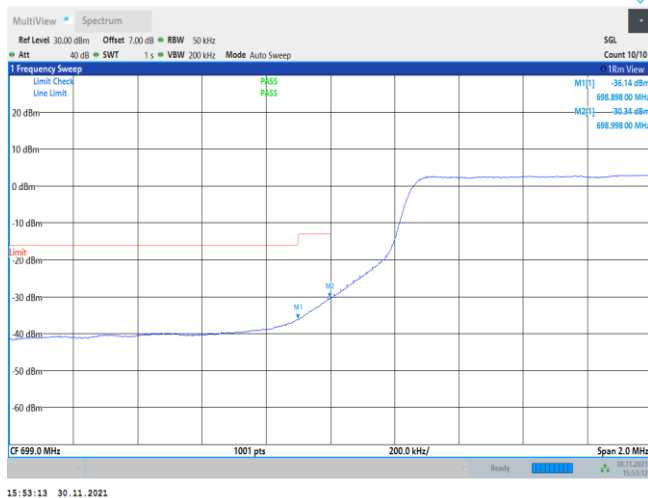
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Band12-5MHz-16QAM-23035-1RB#0

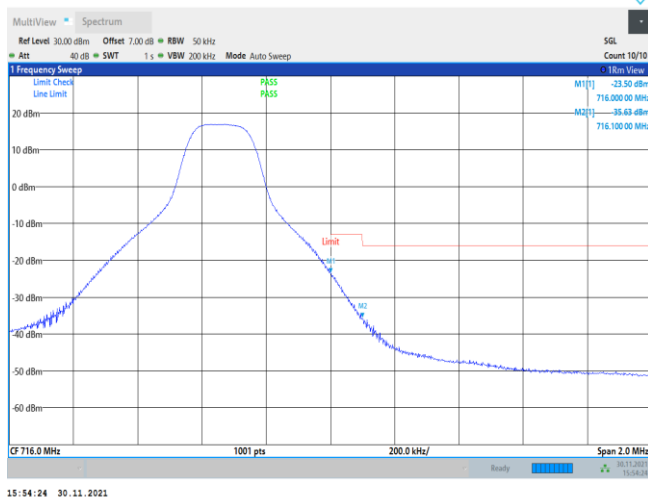


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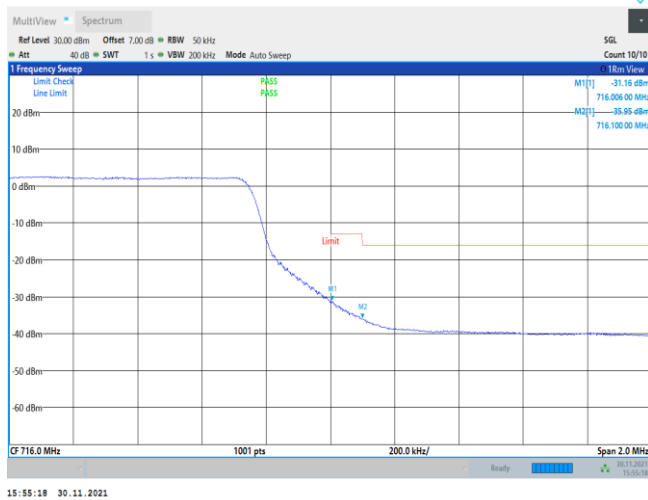


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Band12-5MHz-16QAM-23155-1RB#24

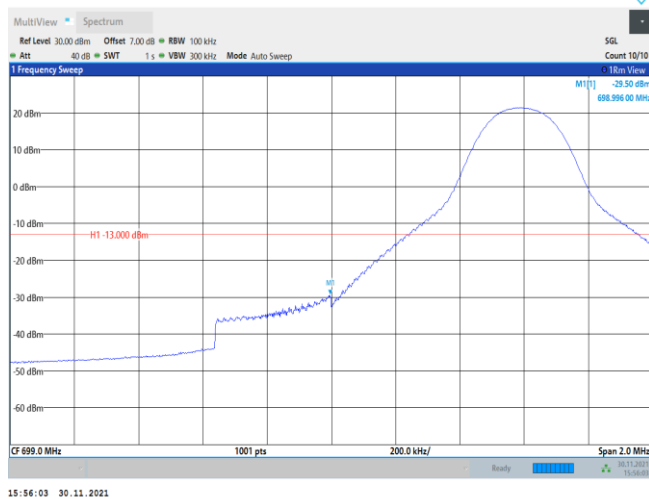


Band12-5MHz-16QAM-23155-25RB#0



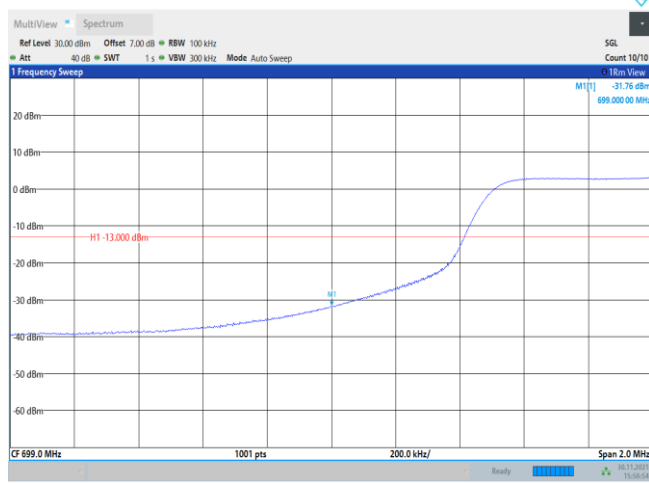
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Band12-10MHz-QPSK-23060-1RB#0



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



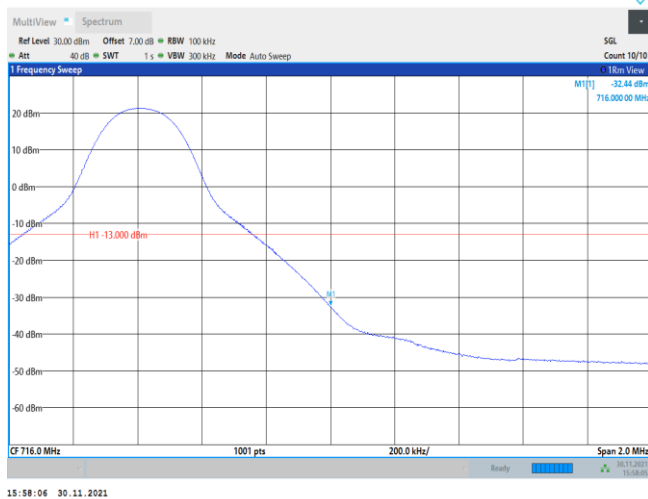
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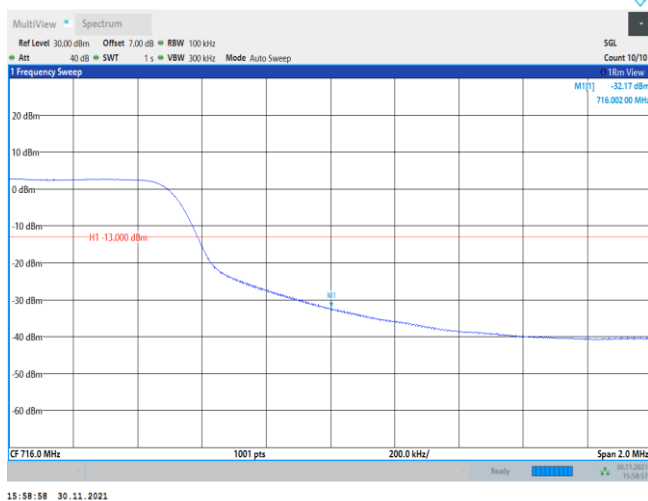
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Band12-10MHz-QPSK-23130-1RB#49



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

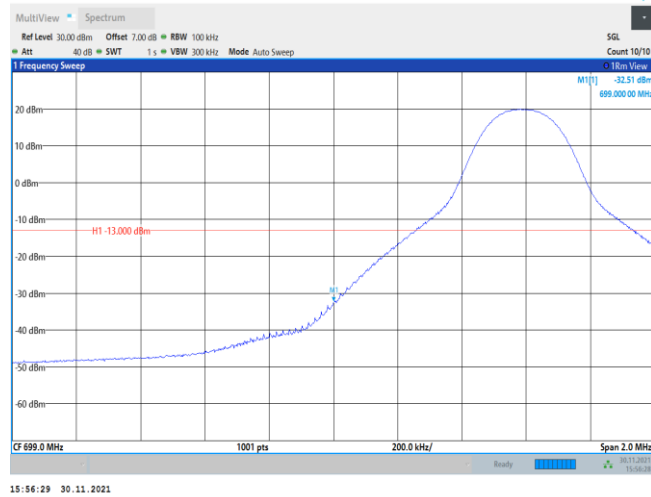


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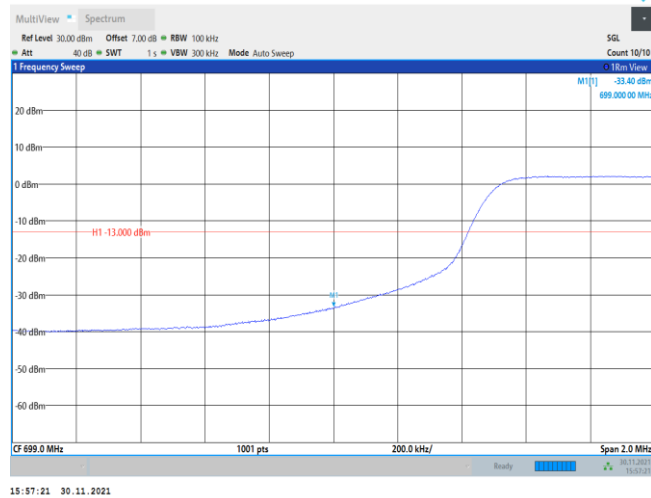
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Band12-10MHz-16QAM-23060-1RB#0



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

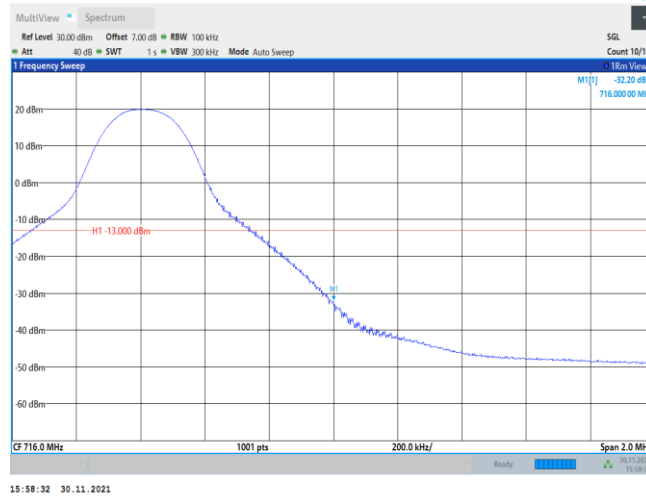


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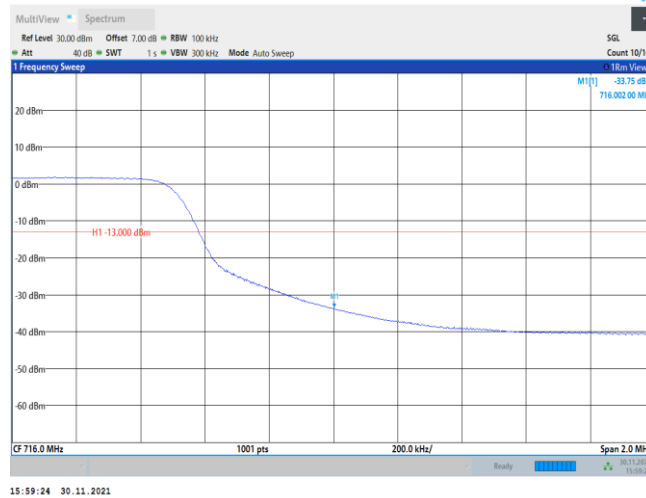
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Band12-10MHz-16QAM-23130-1RB#49



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

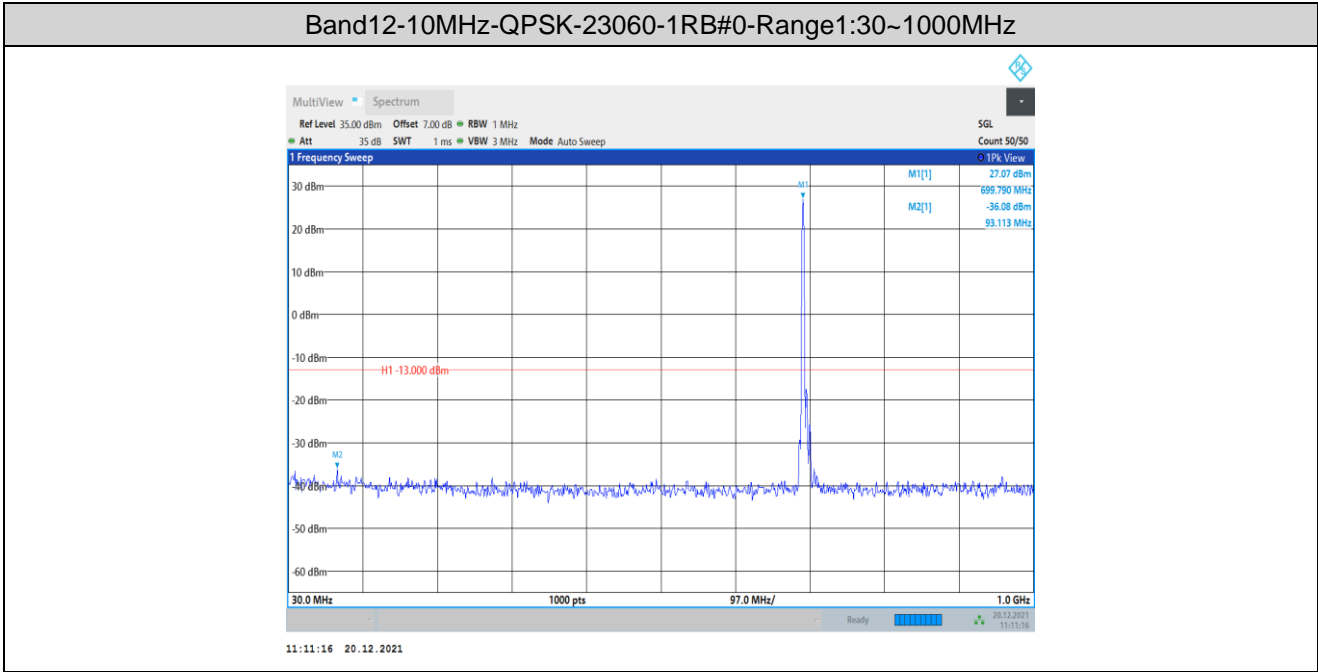


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Conducted Spurious Emission

Test Graphs

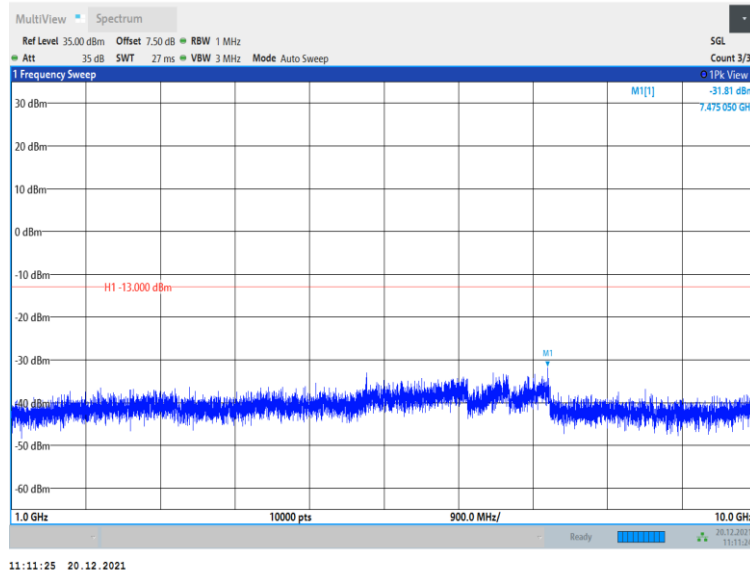


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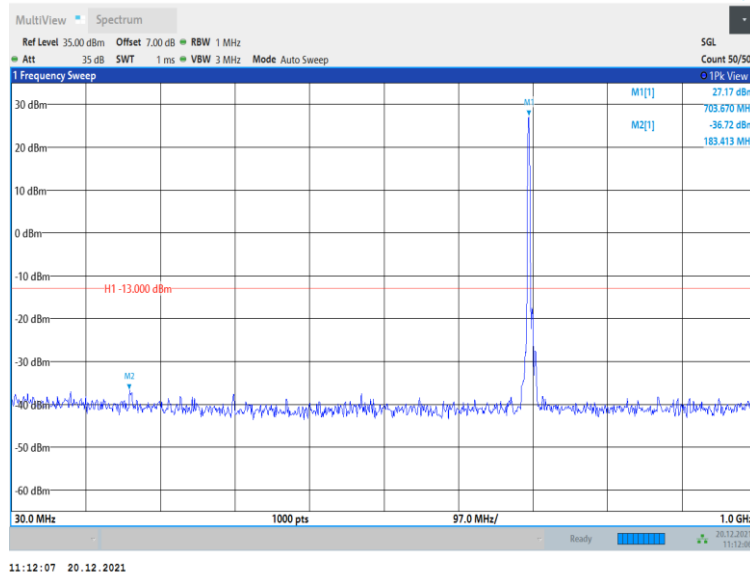
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Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



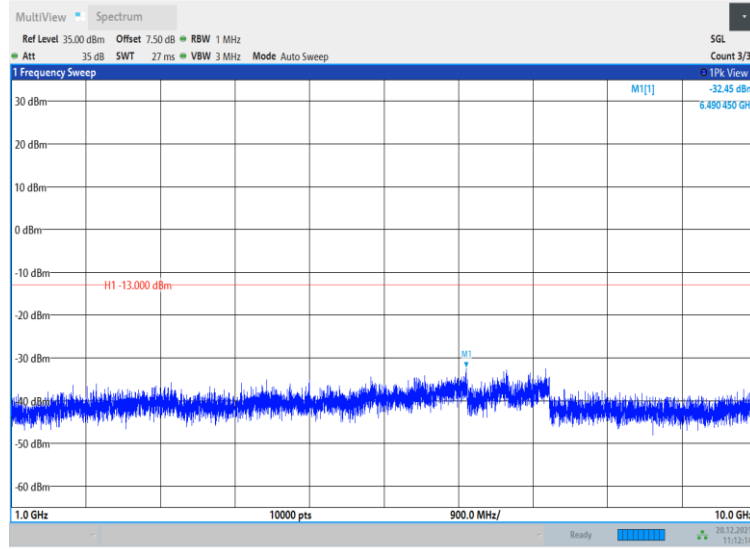
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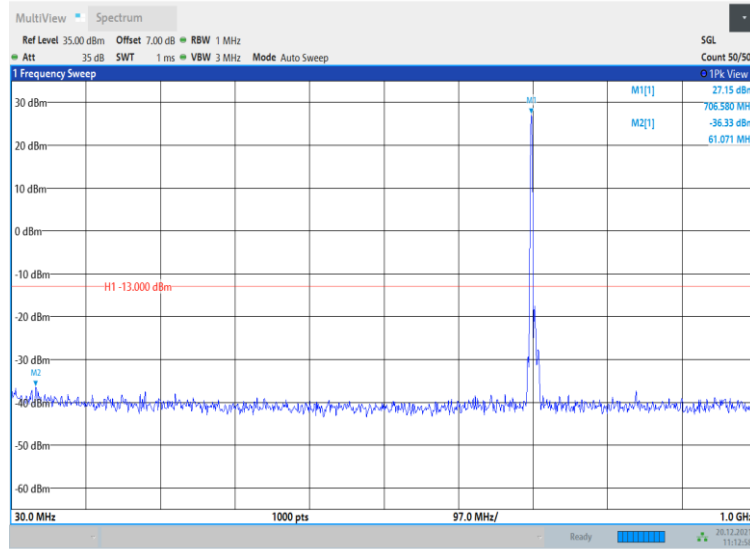
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Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



11:12:16 20.12.2021

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



11:12:58 20.12.2021

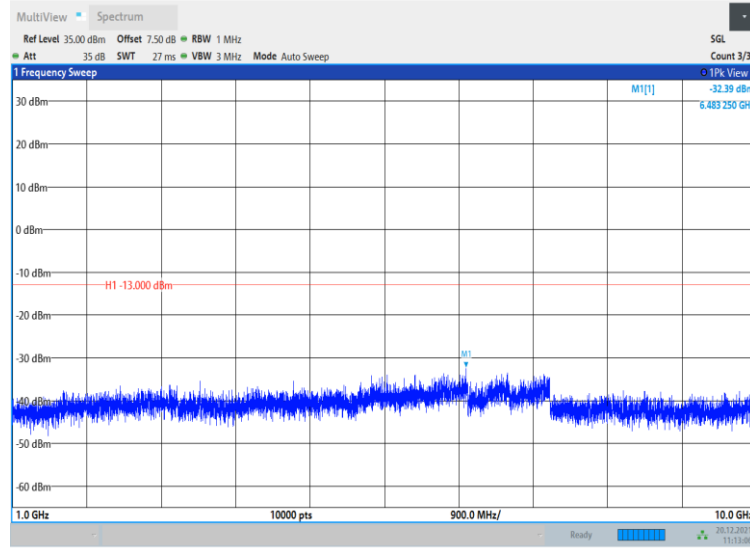


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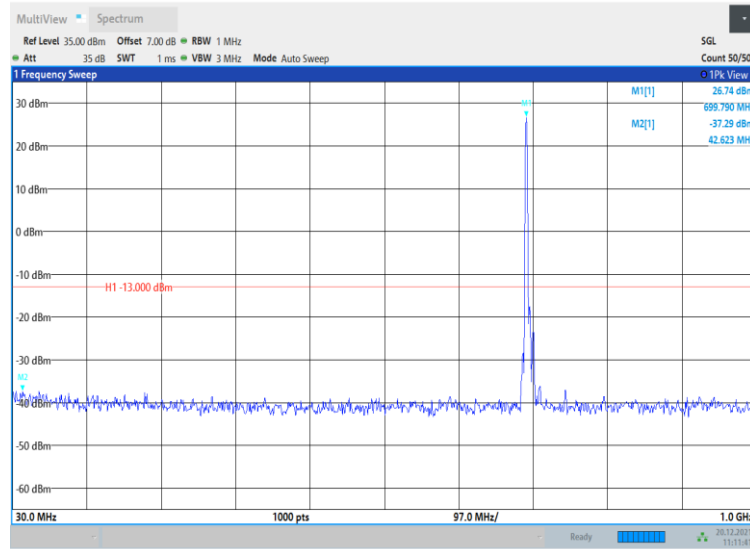
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Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



11:13:06 20.12.2021

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



11:11:42 20.12.2021

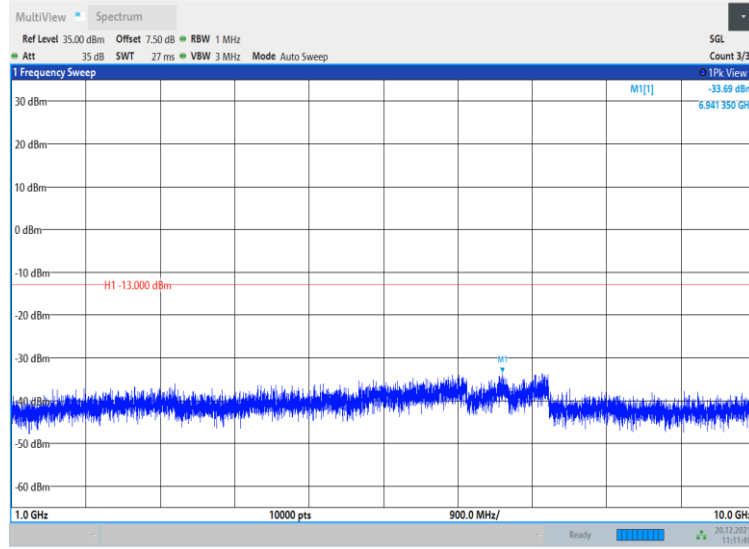


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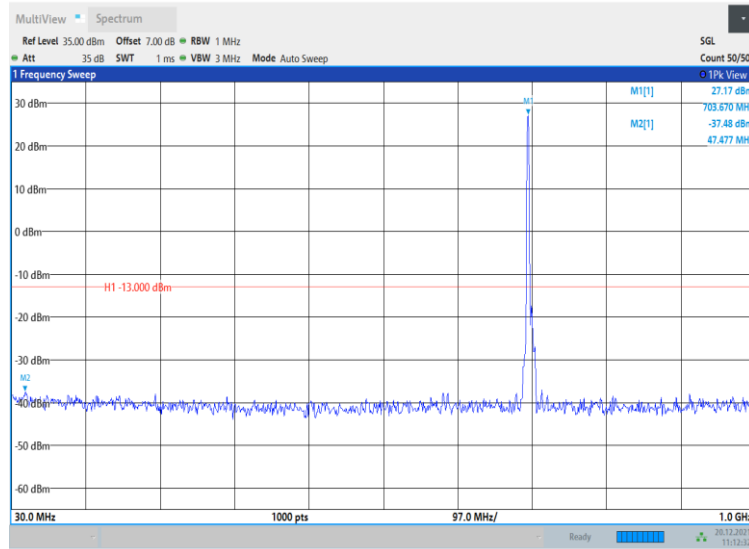
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Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



11:11:50 20.12.2021

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



11:12:32 20.12.2021

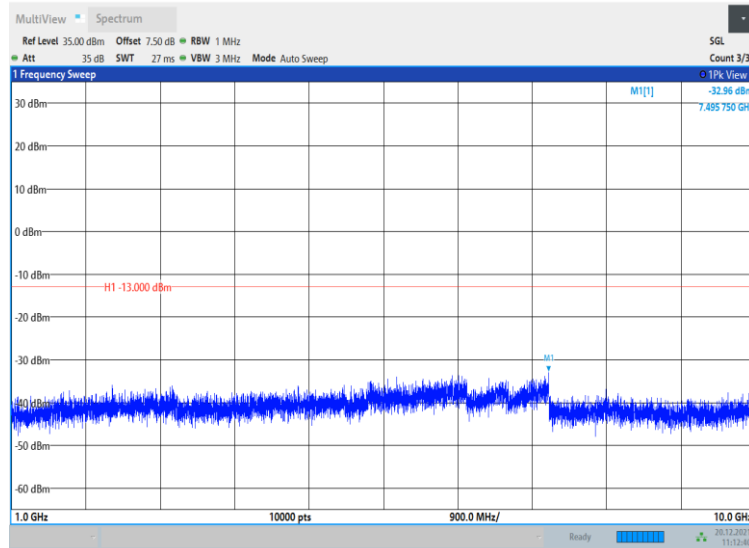


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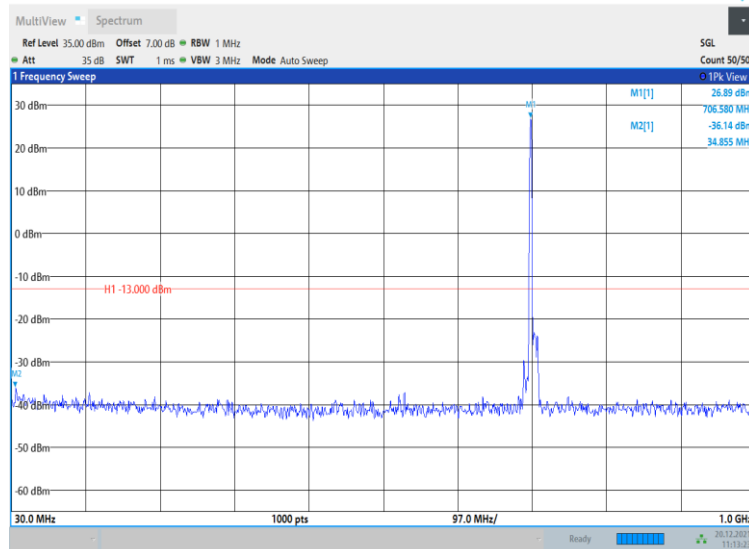
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Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



11:12:41 20.12.2021

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



11:13:23 20.12.2021

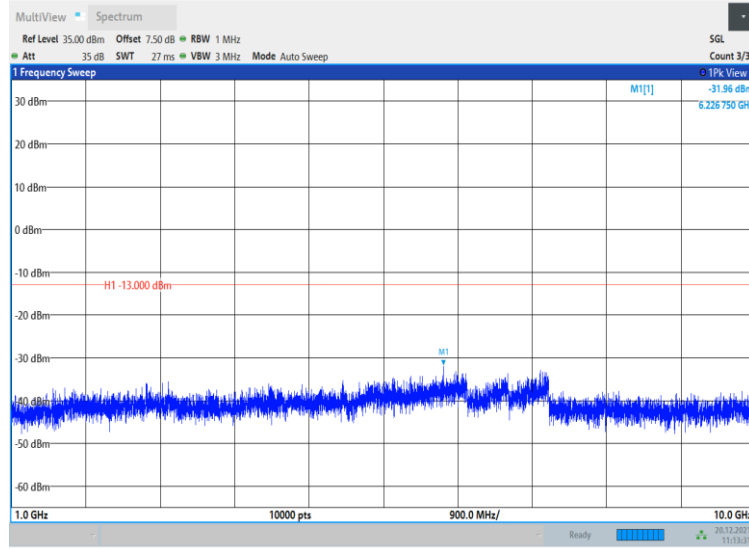


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Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



11:13:32 20.12.2021



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Field Strength of Spurious Radiation

Test Band = LTE Band 12_TM1

Test Channel =Low Channel

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1111	66.46	-52.13	-13.00	39.13	169	34	Horizontal
2	2098.7700	81.90	-34.14	-13.00	21.14	234	119	Horizontal
3	2798.2222	67.13	-45.90	-13.00	32.90	168	107	Horizontal
4	3497.9500	71.20	-40.71	-13.00	27.71	324	95	Horizontal
5	4197.5400	69.41	-40.05	-13.00	27.05	105	143	Horizontal
6	4897.1300	65.43	-42.61	-13.00	29.61	267	149	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1111	61.27	-57.32	-13.00	44.32	185	114	Vertical
2	2098.7700	72.15	-43.89	-13.00	30.89	364	229	Vertical
3	2798.3600	60.12	-52.91	-13.00	39.91	246	47	Vertical
4	3497.9500	67.88	-44.03	-13.00	31.03	324	176	Vertical
5	4197.5400	67.21	-42.25	-13.00	29.25	256	139	Vertical
6	4897.1300	63.25	-44.79	-13.00	31.79	105	158	Vertical



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Test Band = LTE Band 12_TM1
Test Channel =Mid Channel

Table with 9 columns: NO., Frequency [MHz], Reading [dBm], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

Table with 9 columns: NO., Frequency [MHz], Reading [dBm], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.



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Test Band = LTE Band 12_TM1

Test Channel =High Channel

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	58.97	-59.57	-13.00	46.57	326	27	Horizontal
2	2119.7700	80.95	-35.02	-13.00	22.02	246	178	Horizontal
3	2826.3600	58.61	-54.35	-13.00	41.35	168	117	Horizontal
4	3532.9500	65.52	-46.27	-13.00	33.27	129	268	Horizontal
5	4239.5400	67.42	-41.97	-13.00	28.97	246	154	Horizontal
6	4946.1300	63.50	-44.37	-13.00	31.37	164	166	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	59.47	-59.07	-13.00	46.07	362	260	Vertical
2	2119.7700	73.10	-42.87	-13.00	29.87	182	272	Vertical
3	2826.3600	54.55	-58.41	-13.00	45.41	246	176	Vertical
4	3532.9500	64.80	-46.99	-13.00	33.99	163	139	Vertical
5	4239.5400	64.78	-44.61	-13.00	31.61	325	97	Vertical
6	4946.1300	58.72	-49.15	-13.00	36.15	248	188	Vertical



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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	23060	50RB#0	VL	NT	-2.53	-0.003594	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.40	-0.003409	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.89	-0.002685	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.47	-0.003491	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	2.17	0.003067	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-3.08	-0.004353	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-3.13	-0.004402	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-3.46	-0.004866	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-2.50	-0.003516	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	1.93	0.002741	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-1.44	-0.002045	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-2.07	-0.002940	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-1.77	-0.002502	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-3.28	-0.004636	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-2.26	-0.003194	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-3.89	-0.005471	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.89	-0.005471	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-2.66	-0.003741	PASS



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 t (86-512) 62992980 sgs.china@sgs.com

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-1.76	-0.002500	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-3.22	-0.004574	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	1.73	0.002457	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-1.49	-0.002116	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	2.32	0.003295	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-1.34	-0.001903	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.39	-0.001974	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-1.29	-0.001832	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-2.23	-0.003152	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-2.46	-0.003477	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.15	-0.003039	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-1.63	-0.002304	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-2.30	-0.003251	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-1.72	-0.002431	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-2.22	-0.003138	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.69	-0.002389	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.57	-0.003615	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-4.01	-0.005640	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.55	-0.003586	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-4.01	-0.005640	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-3.53	-0.004965	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-4.23	-0.005949	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-3.69	-0.005190	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.79	-0.003924	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-3.06	-0.004347	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-1.17	-0.001662	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-1.65	-0.002344	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-1.97	-0.002798	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-3.15	-0.004474	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-4.01	-0.005696	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-2.07	-0.002940	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-2.35	-0.003338	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-2.95	-0.004170	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-2.29	-0.003237	PASS



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Band12	10MHz	16QAM	23095	50RB#0	NV	0	-2.10	-0.002968	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-1.33	-0.001880	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-2.30	-0.003251	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-2.22	-0.003138	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-3.45	-0.004876	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-3.76	-0.005314	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-3.55	-0.004993	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-3.58	-0.005035	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-3.83	-0.005387	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-2.30	-0.003235	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-4.58	-0.006442	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-4.16	-0.005851	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-2.68	-0.003769	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-4.28	-0.006020	PASS

The End



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