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Appendix B.6

LTE Band 12



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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	23.9	19.97	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.01	20.08	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.87	19.94	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.67	18.74	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.33	19.4	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.44	19.51	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.28	19.35	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.39	18.46	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.19	19.26	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.36	19.43	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.19	19.26	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.29	18.36	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.14	19.21	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.23	19.3	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.77	18.84	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.68	17.75	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.6	18.67	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.66	18.73	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.48	18.55	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.5	17.57	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.34	18.41	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.57	18.64	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.41	18.48	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.4	17.47	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.35	17.42	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.52	17.59	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.9	18.97	34.77	PASS



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Band12	1.4MHz	64QAM	23017	6RB#0	21.99	18.06	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.83	18.9	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.61	18.68	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.87	18.94	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.45	17.52	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.31	18.38	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.44	18.51	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.3	18.37	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.63	17.7	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.98	20.05	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.47	19.54	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.42	19.49	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.51	18.58	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.38	19.45	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.33	19.4	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.32	19.39	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.34	18.41	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.34	19.41	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.27	19.34	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.25	19.32	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.27	18.34	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.1	19.17	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.65	18.72	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.73	18.8	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.48	17.55	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.65	18.72	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.56	18.63	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.5	18.57	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.41	17.48	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.54	18.61	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.45	18.52	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.43	18.5	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.3	17.37	34.77	PASS



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Band12	3MHz	64QAM	23025	1RB#0	23.02	19.09	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	23.03	19.1	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.65	18.72	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.47	17.54	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.38	18.45	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.46	18.53	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.43	18.5	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.39	17.46	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.41	17.48	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.36	18.43	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.42	18.49	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.3	17.37	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.88	19.95	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.59	19.66	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.27	19.34	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.48	18.55	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.31	19.38	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.51	19.58	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.19	19.26	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.38	18.45	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.21	19.28	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.43	19.5	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.14	19.21	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.28	18.35	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.79	18.86	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.82	18.89	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.48	18.55	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.45	17.52	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.59	18.66	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.66	18.73	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.44	18.51	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.38	17.45	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.41	18.48	34.77	PASS



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Band12	5MHz	16QAM	23155	1RB#12	22.63	18.7	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.32	18.39	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.28	17.35	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.99	19.06	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	23.2	19.27	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.42	18.49	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	21.45	17.52	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.41	18.48	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.56	18.63	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	22.31	18.38	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.39	17.46	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.37	18.44	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.55	18.62	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.26	18.33	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.33	17.4	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.97	20.04	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.49	19.56	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.28	19.35	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.45	18.52	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.38	19.45	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.47	19.54	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.23	19.3	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.41	18.48	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.35	19.42	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.35	19.42	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.21	19.28	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.37	18.44	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.77	18.84	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.77	18.84	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.53	18.6	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.45	17.52	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.62	18.69	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.64	18.71	34.77	PASS



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Band12	10MHz	16QAM	23095	1RB#49	22.44	18.51	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.42	17.49	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.6	18.67	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.53	18.6	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.42	18.49	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.36	17.43	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.96	19.03	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.74	18.81	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.33	17.4	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.47	17.54	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.54	18.61	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.58	18.65	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	22.39	18.46	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.43	17.5	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.46	18.53	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	22.51	18.58	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	22.38	18.45	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.4	17.47	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	5.24	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.26	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.38	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.90	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.10	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.04	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	5.94	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	5.92	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	5.88	13	PASS



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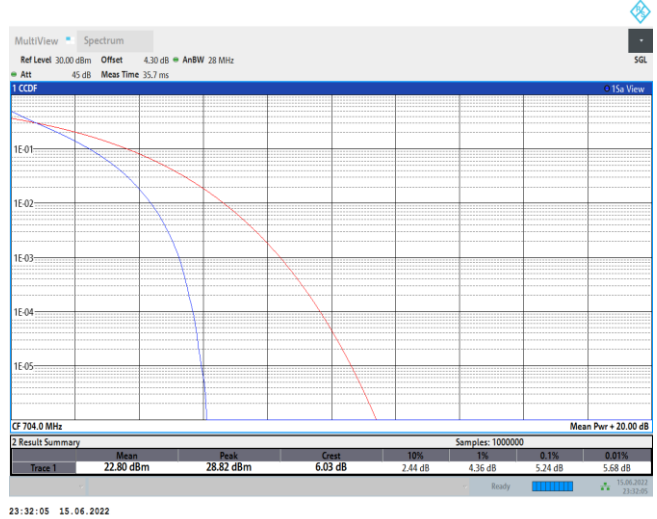
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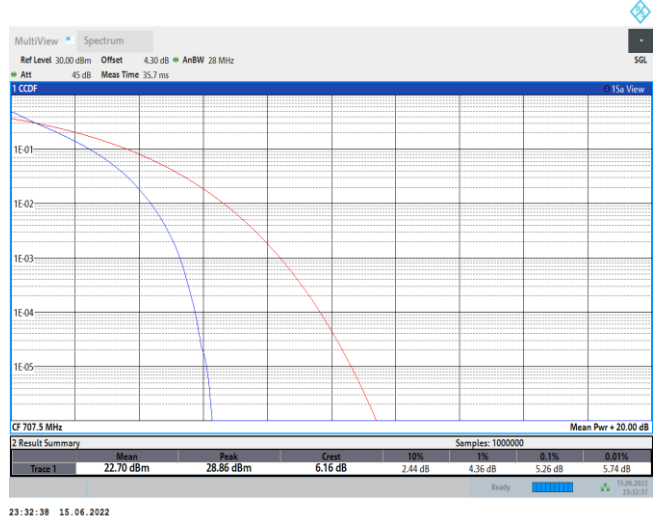
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Test Graphs

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



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

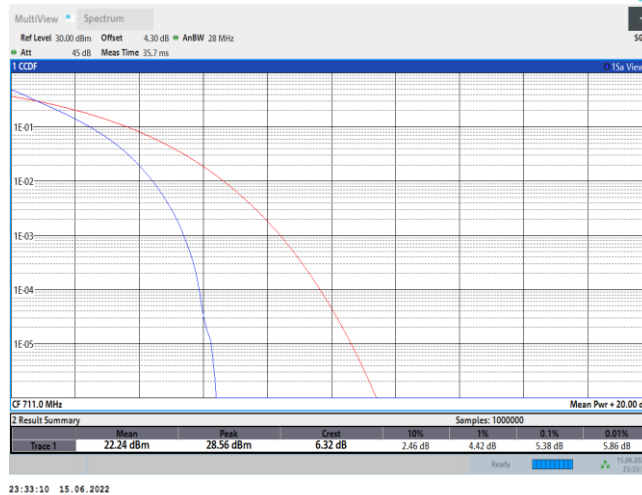


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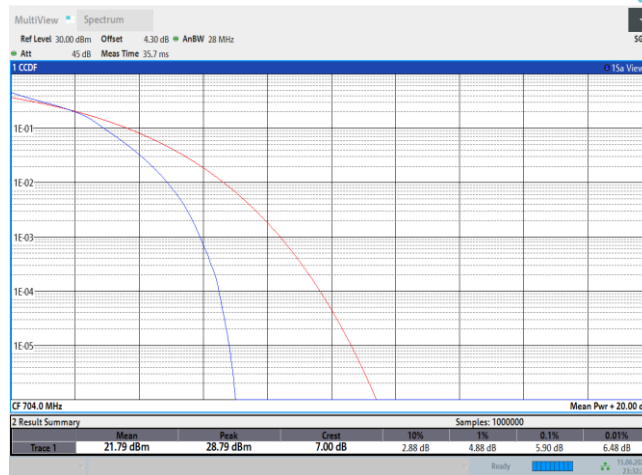
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Band12-10MHz-QPSK-23130-50RB#0



23:33:10 15.06.2022

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

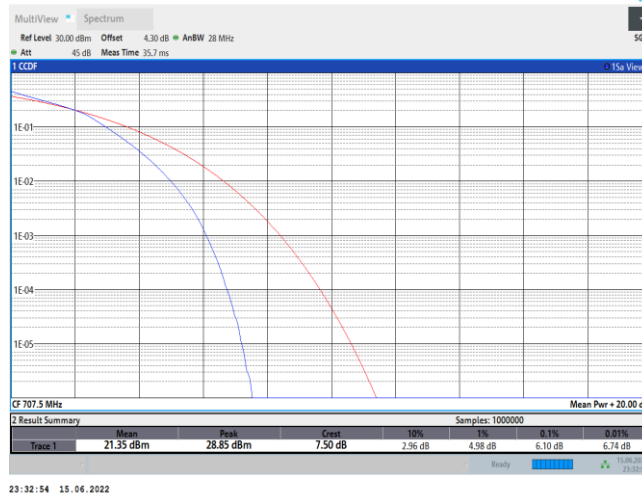


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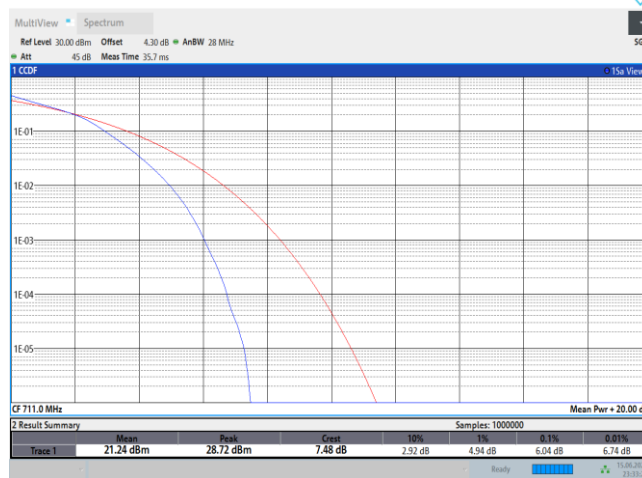
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Band12-10MHz-16QAM-23095-50RB#0



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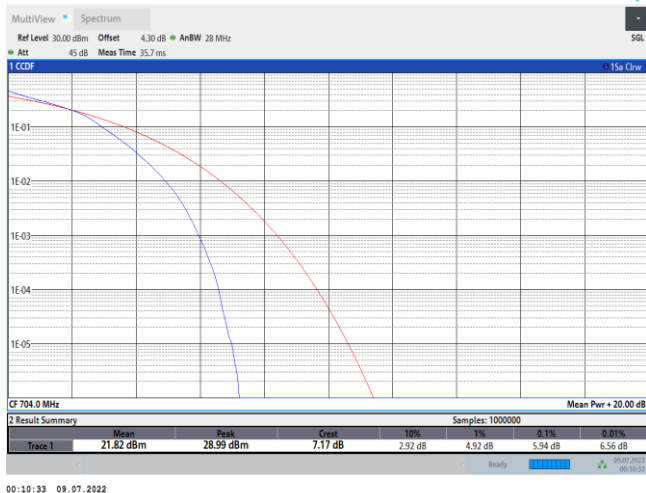


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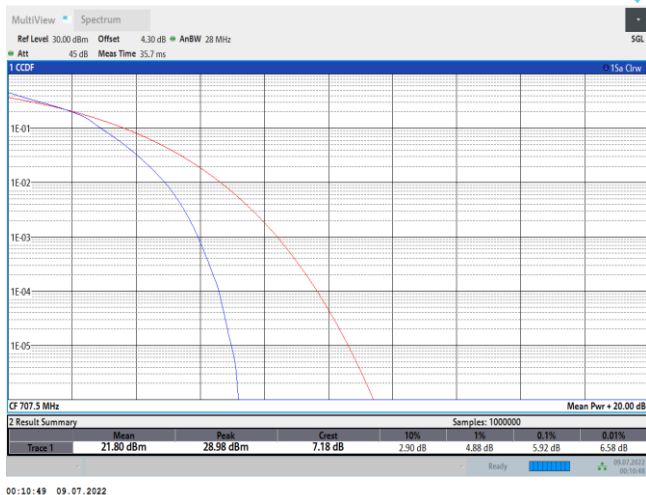


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Band12-10MHz-64QAM-23060-50RB#0



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

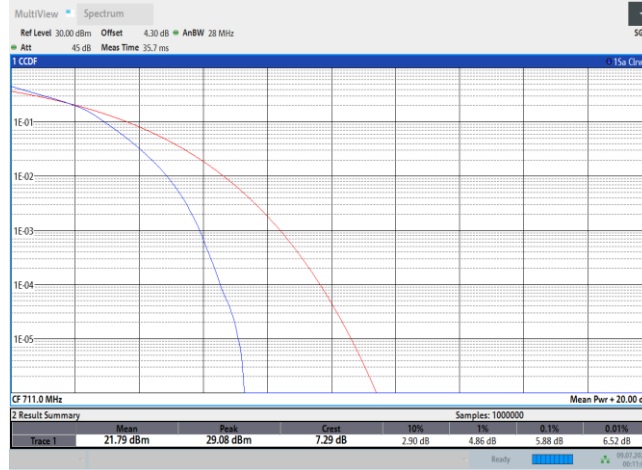


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Band12-10MHz-64QAM-23130-50RB#0



00:11:06 09.07.2022



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

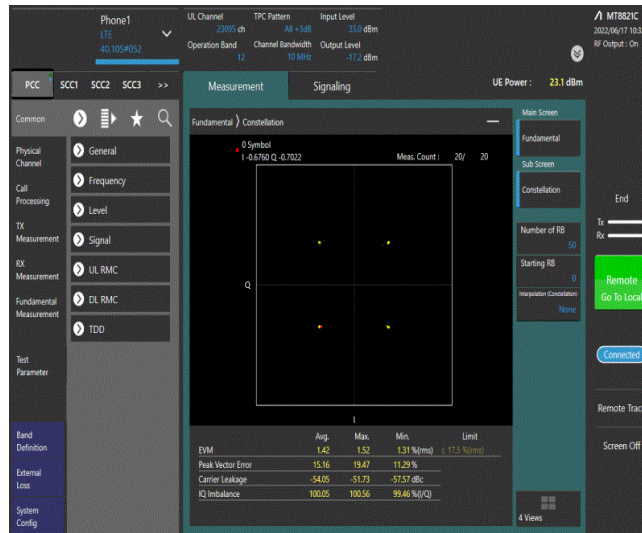


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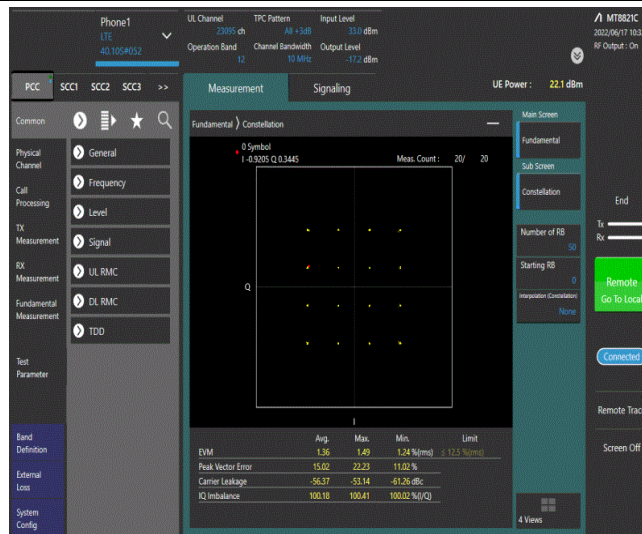
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Test Graphs

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

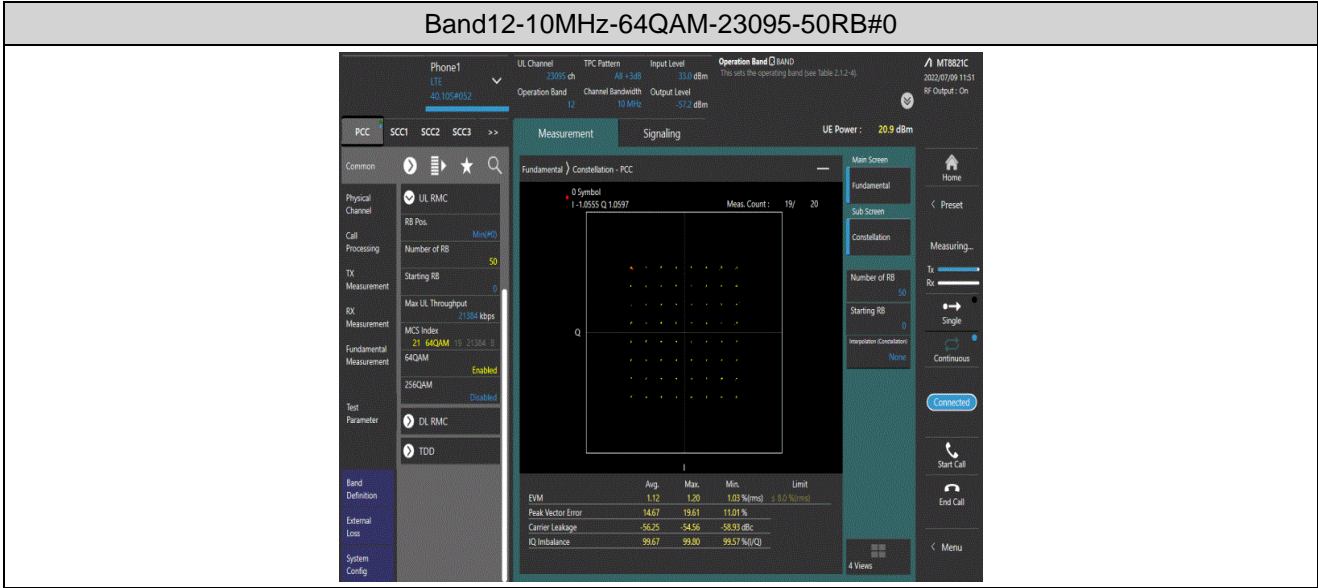


Band12-10MHz-16QAM-23095-50RB#0



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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	23017	6RB#0	1.084	1.28	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.084	1.27	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.084	1.27	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.097	1.30	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.096	1.30	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.096	1.31	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.092	1.29	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.09	1.29	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.09	1.30	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.683	2.89	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.684	2.89	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.683	2.89	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.678	2.91	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.677	2.91	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.676	2.90	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.68	2.90	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.681	2.90	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.687	2.90	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.472	5.00	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.475	5.03	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.475	5.01	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.473	5.04	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.476	5.07	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.473	5.03	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.476	4.98	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.481	5.00	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.471	4.98	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.929	9.82	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.941	9.86	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.938	9.84	PASS



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Report No.: SEWM2206000075RG01

Rev.: 01

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Band12	10MHz	16QAM	23060	50RB#0	8.917	9.74	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.926	9.82	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.924	9.84	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.939	9.92	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.939	9.88	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.931	9.86	PASS



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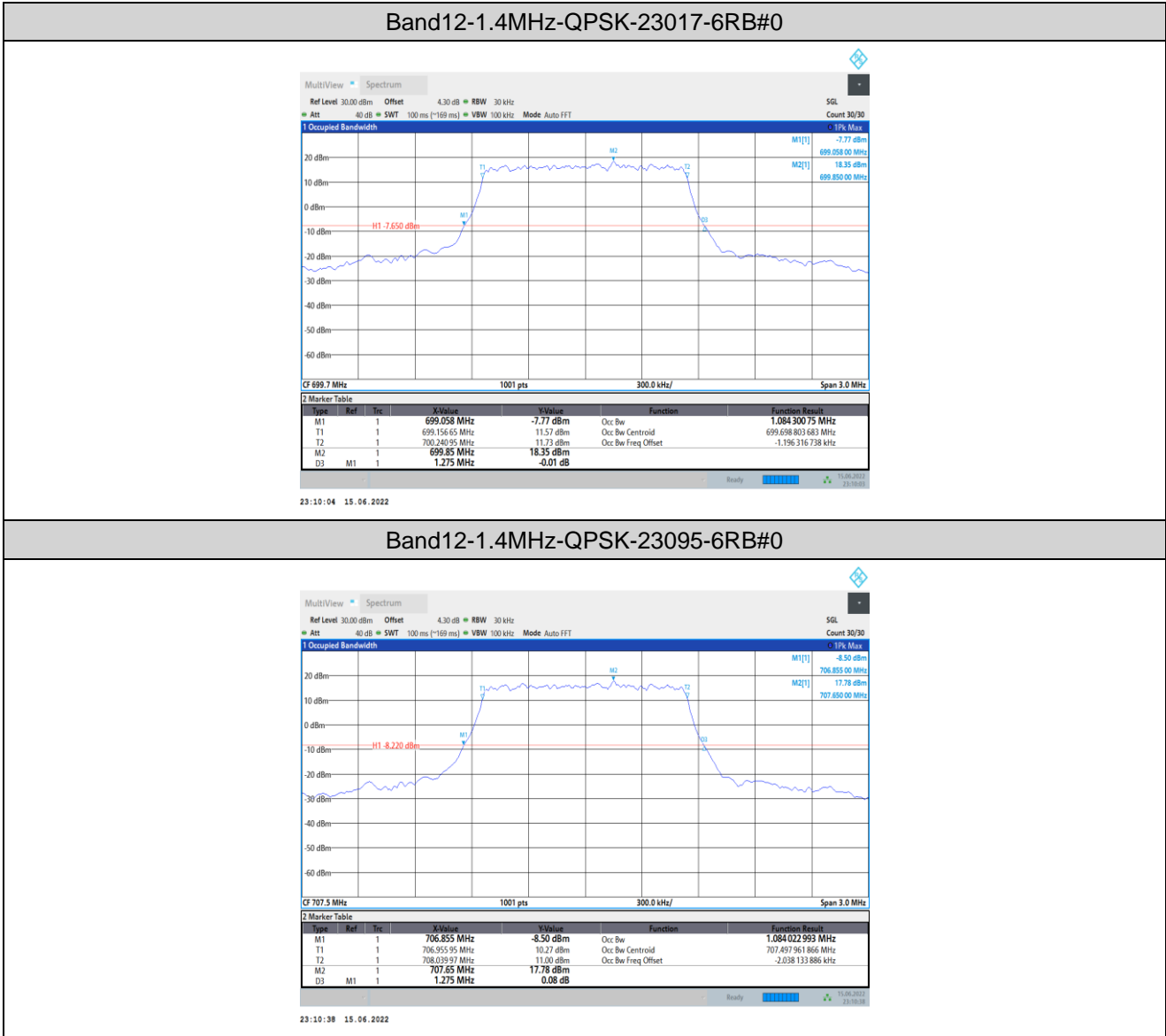
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Test Graphs



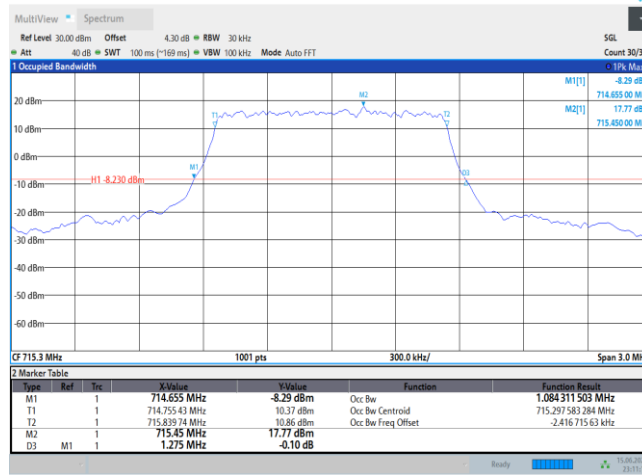
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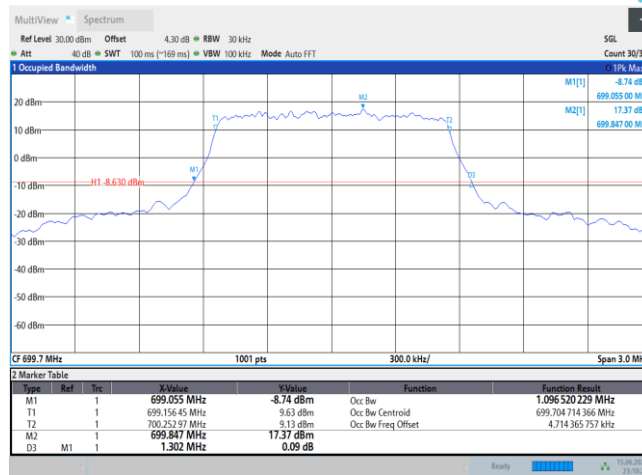
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Band12-1.4MHz-QPSK-23173-6RB#0



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



23:10:21 15.06.2022

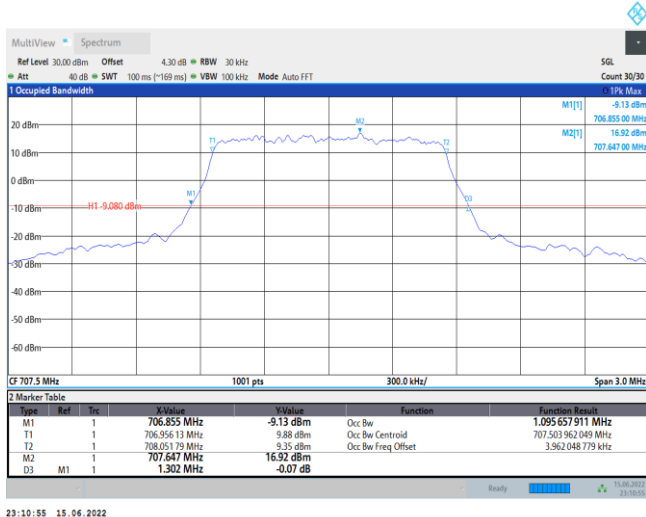


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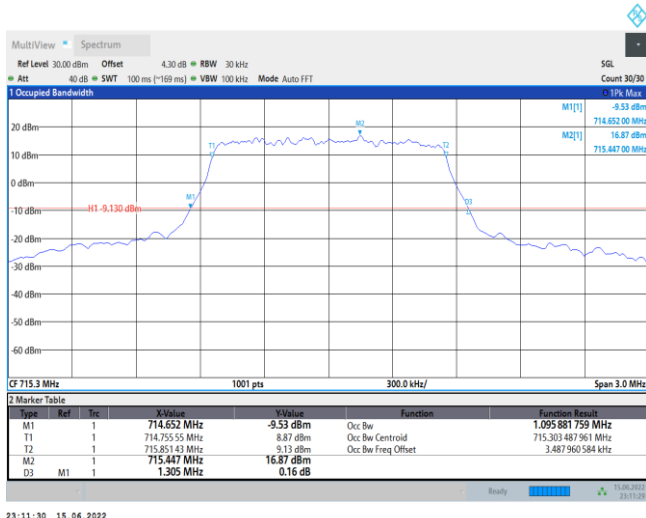
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Band12-1.4MHz-16QAM-23095-6RB#0



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

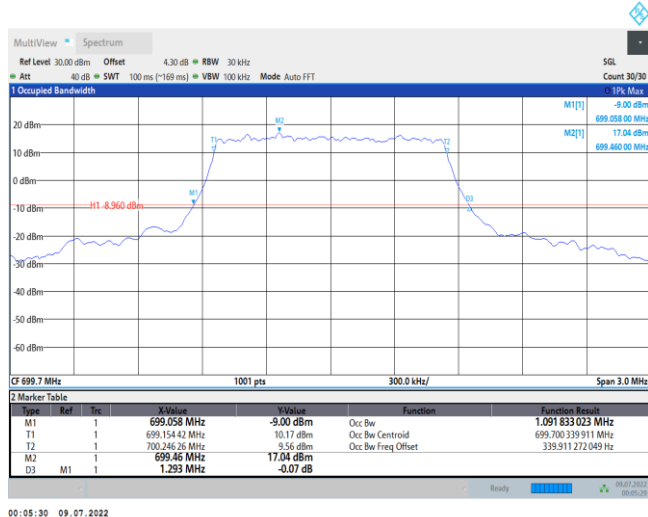


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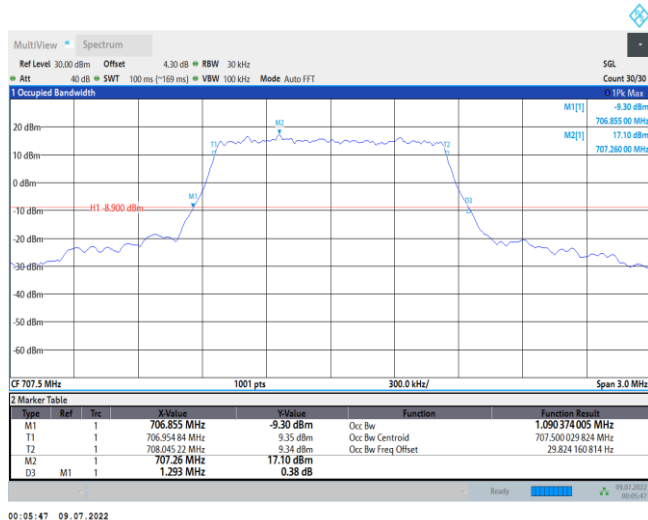
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Band12-1.4MHz-64QAM-23017-6RB#0

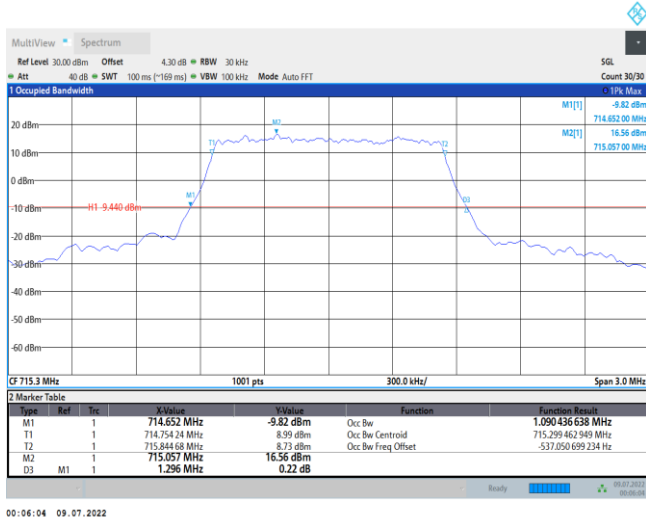


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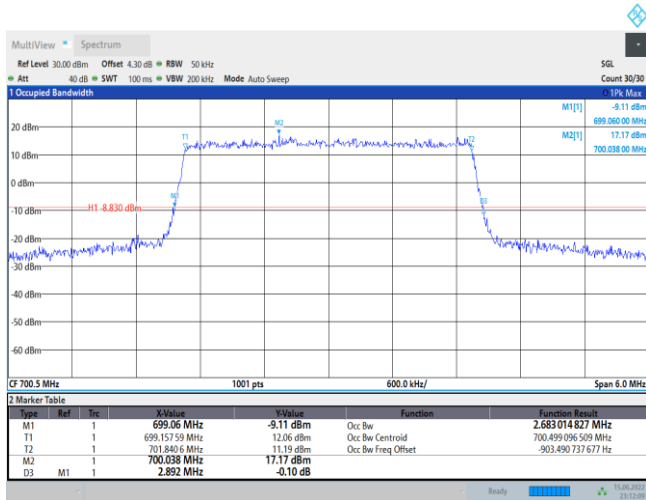
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Band12-1.4MHz-64QAM-23173-6RB#0



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

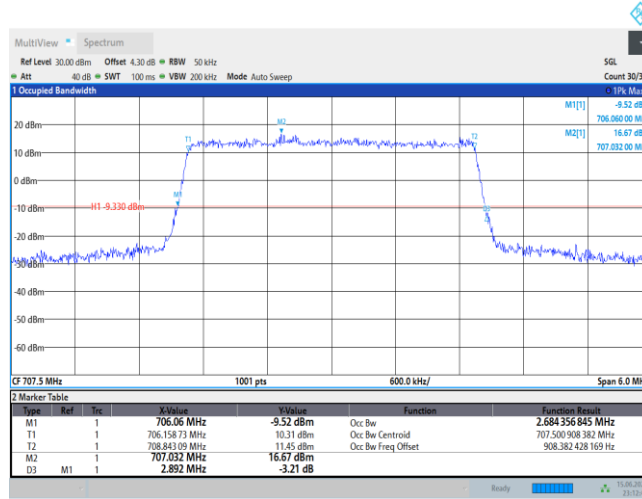


23:12:09 15.06.2022



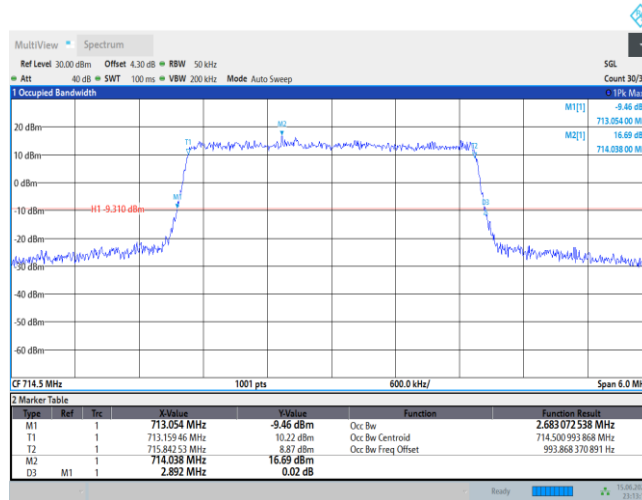
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Band12-3MHz-QPSK-23095-15RB#0



23:12:41 15.06.2022

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



23:13:14 15.06.2022



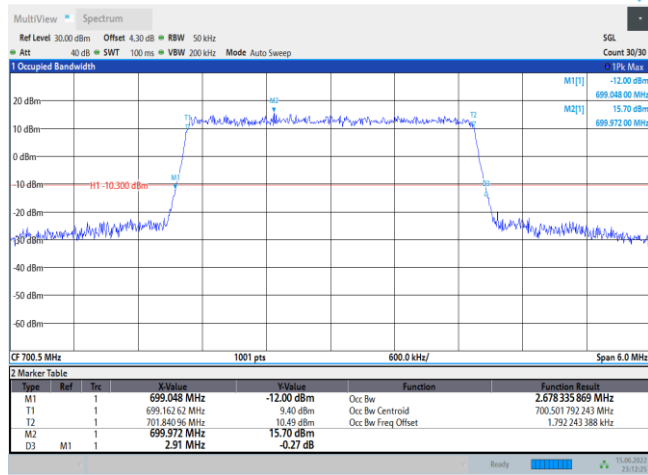
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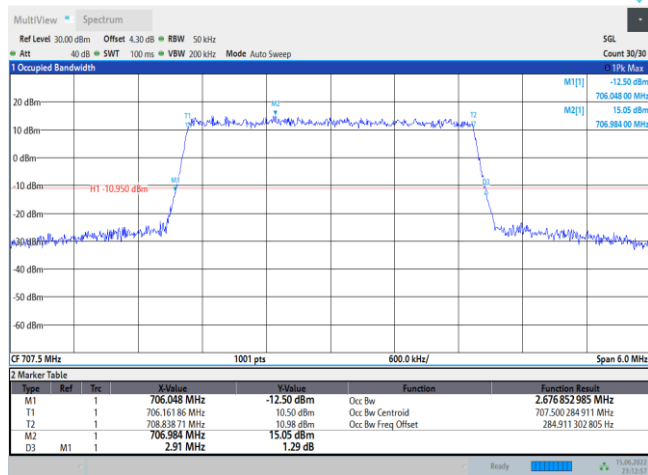
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Band12-3MHz-16QAM-23025-15RB#0



23:12:25 15. 06. 2022

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



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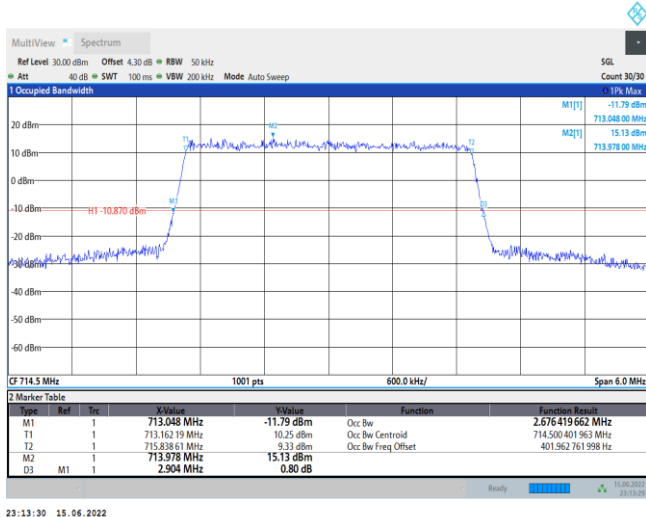


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Band12-3MHz-16QAM-23165-15RB#0



Band12-3MHz-64QAM-23025-15RB#0

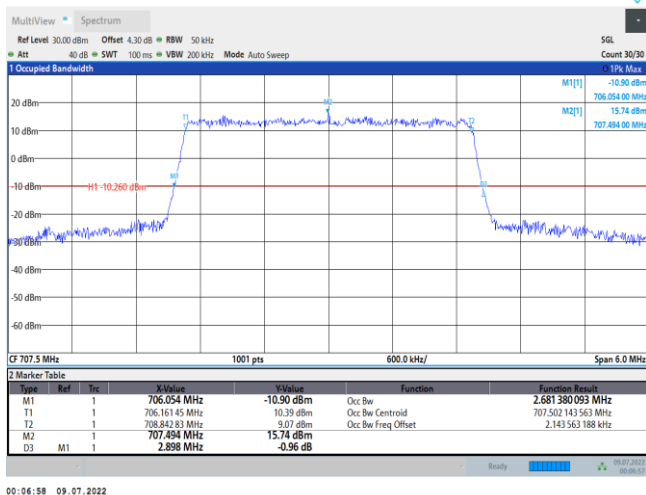


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Band12-3MHz-64QAM-23095-15RB#0



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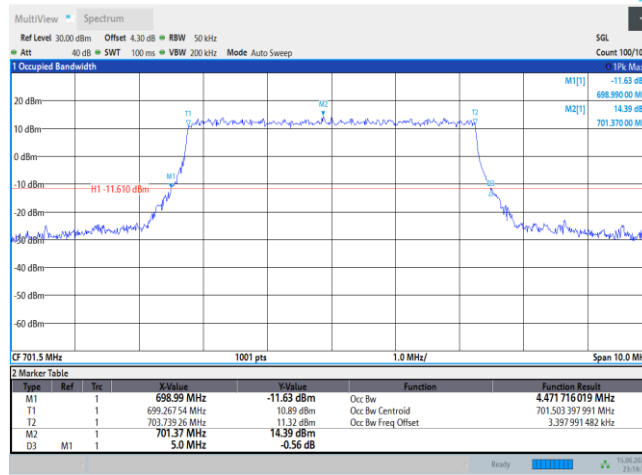


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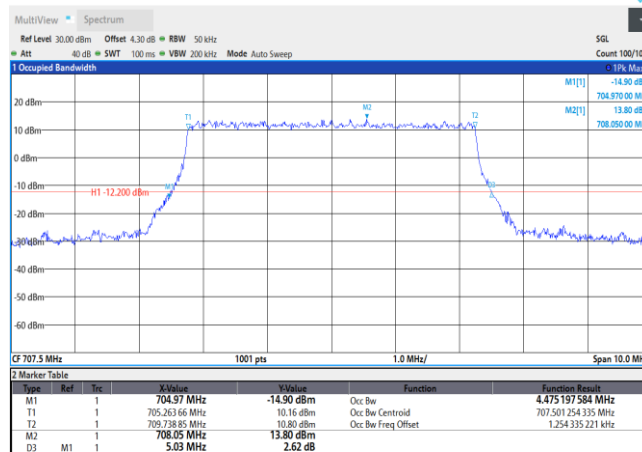
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Band12-5MHz-QPSK-23035-25RB#0



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



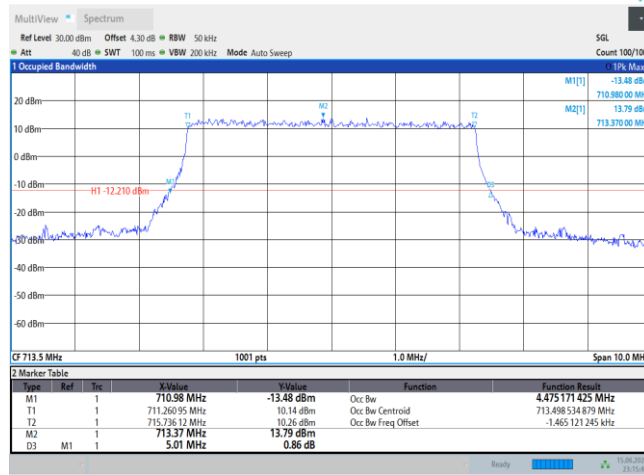
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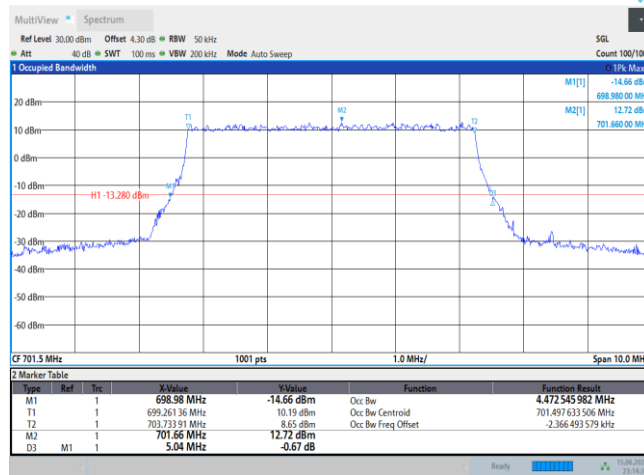
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Band12-5MHz-QPSK-23155-25RB#0



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

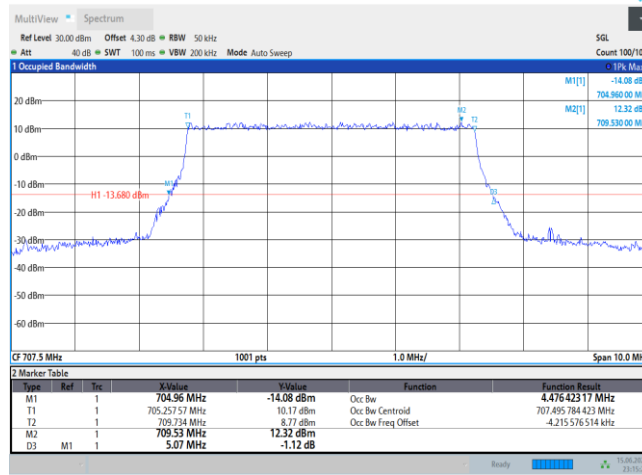


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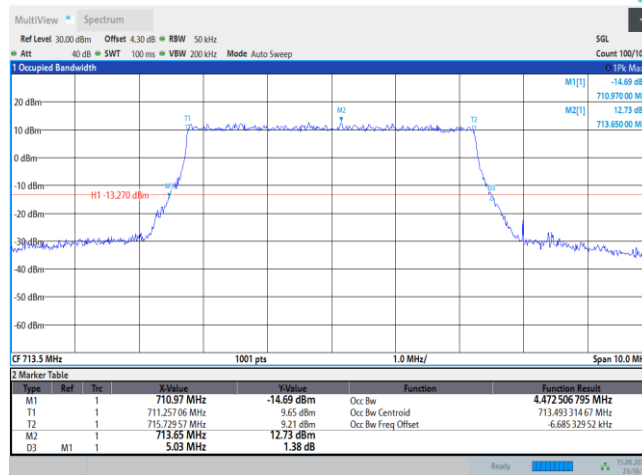
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Band12-5MHz-16QAM-23095-25RB#0



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



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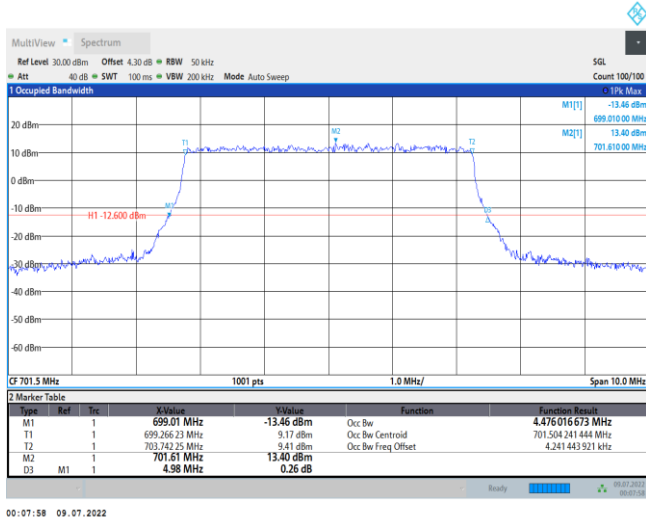


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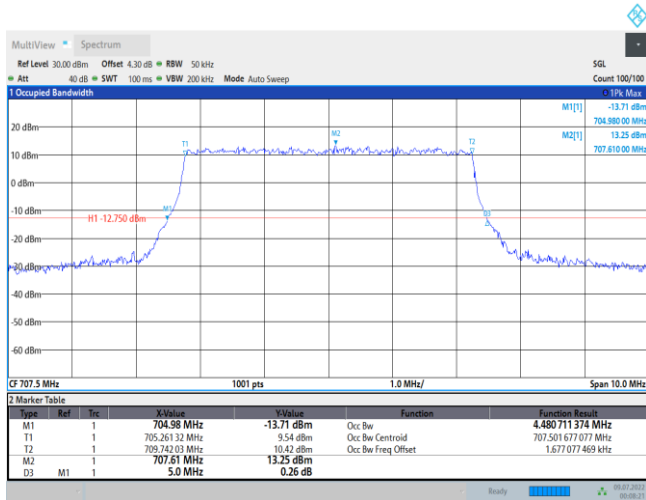
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Band12-5MHz-64QAM-23035-25RB#0



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Band12-5MHz-64QAM-23095-25RB#0

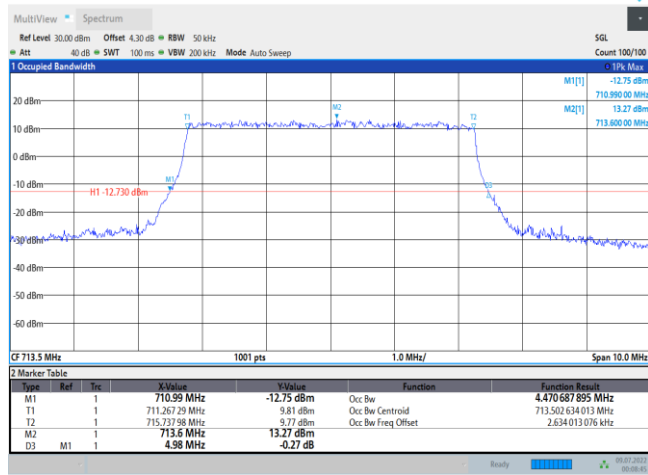


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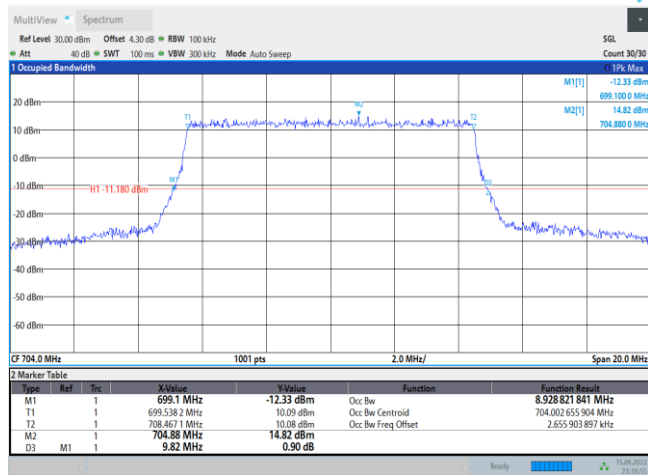
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Band12-5MHz-64QAM-23155-25RB#0



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



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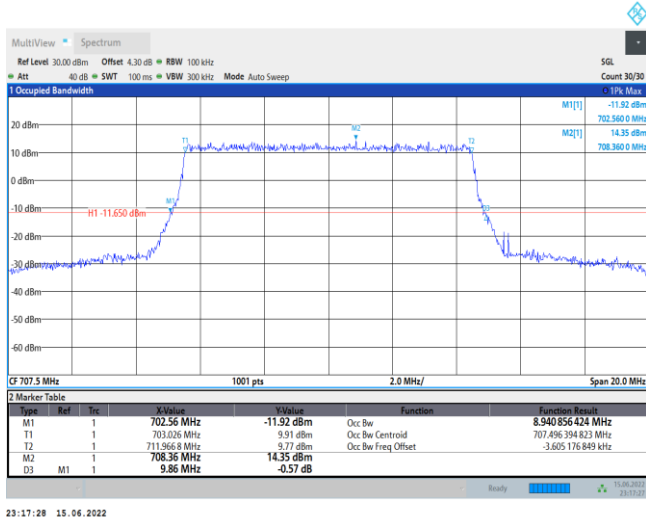


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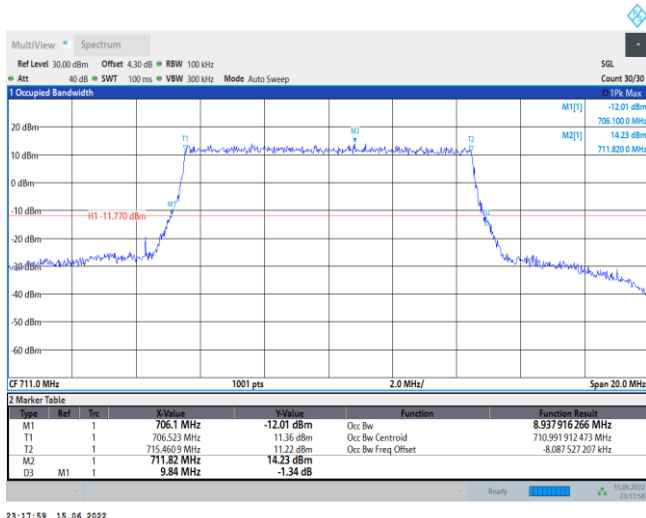
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Band12-10MHz-QPSK-23095-50RB#0



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

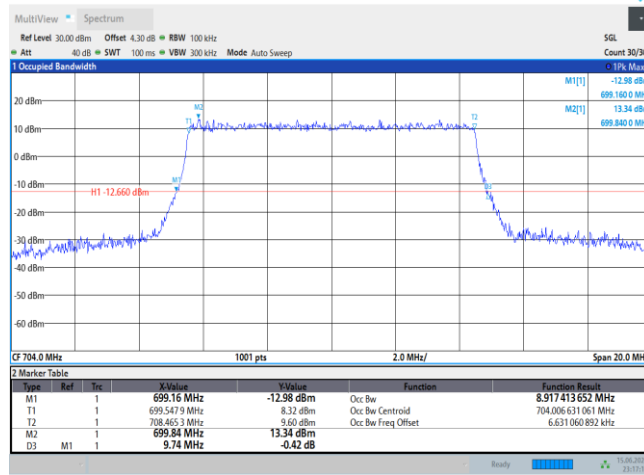


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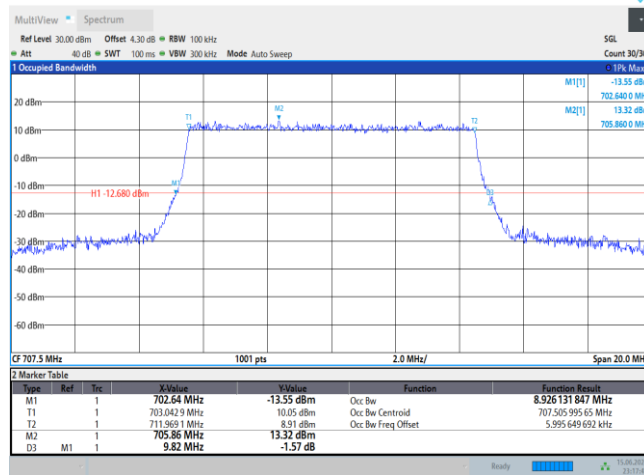
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Band12-10MHz-16QAM-23060-50RB#0



23:17:11 15.06.2022

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



23:17:44 15.06.2022



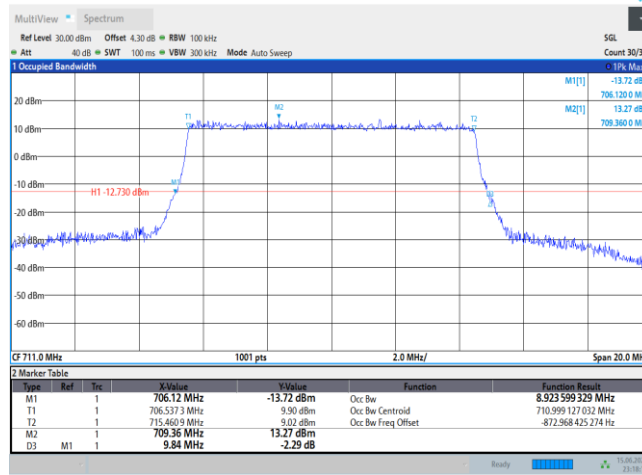
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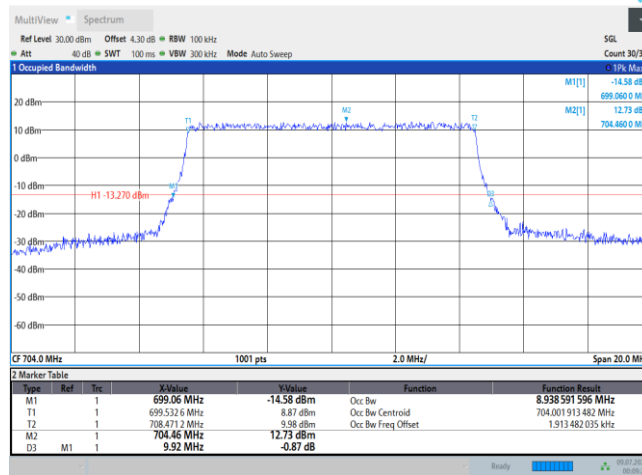
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Band12-10MHz-16QAM-23130-50RB#0



23:18:15 15. 06. 2022

Band12-10MHz-64QAM-23060-50RB#0

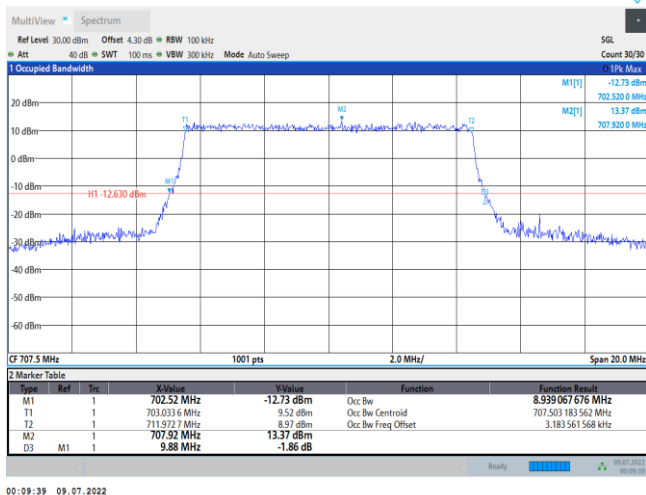


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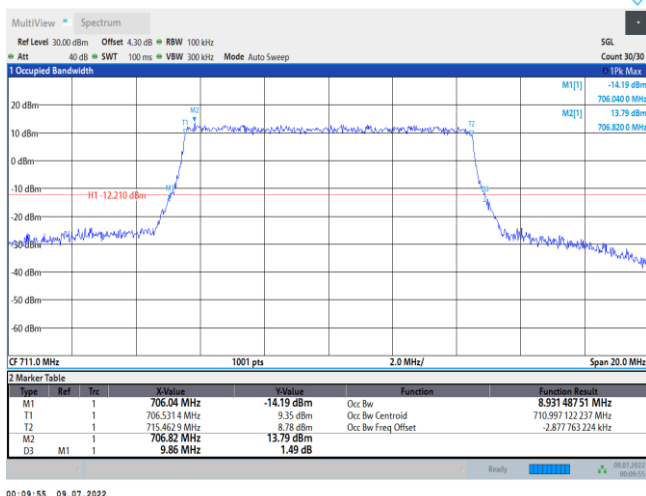


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Band12-10MHz-64QAM-23095-50RB#0



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



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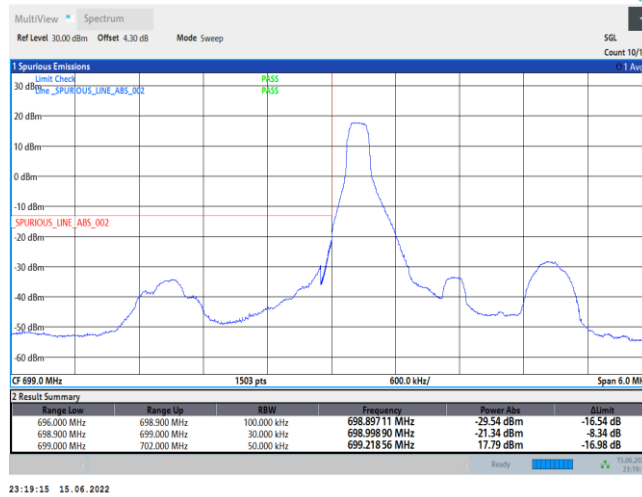
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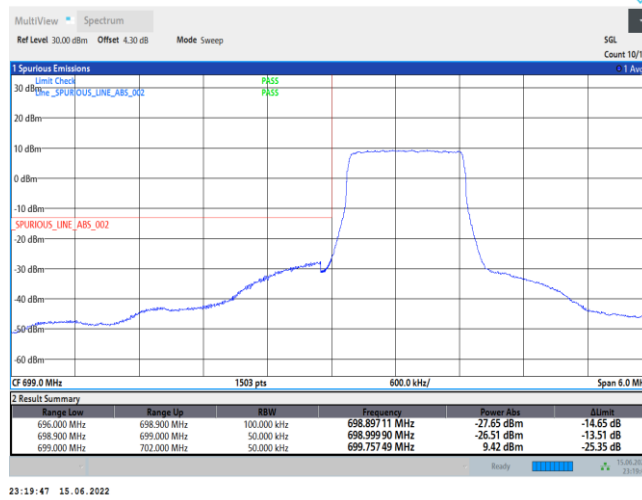
Band Edge

Test Graphs

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



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



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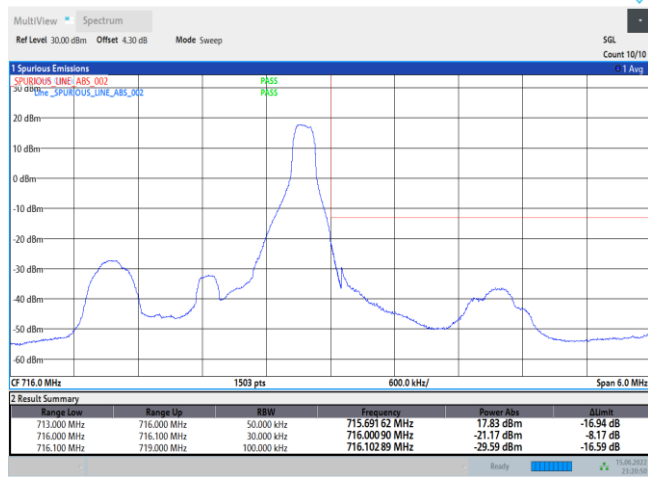
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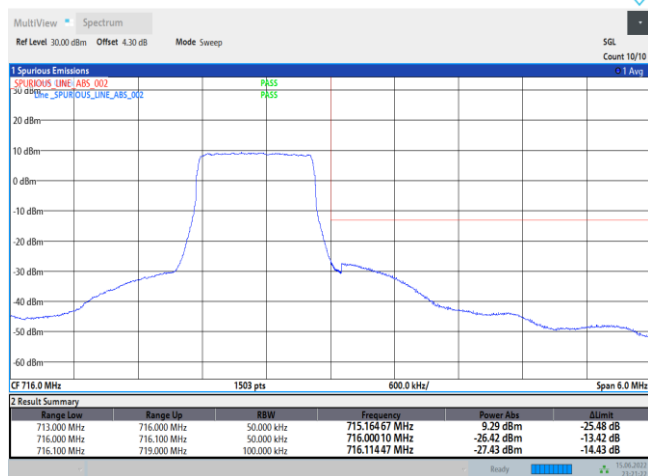
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Band12-1.4MHz-QPSK-23173-1RB#5



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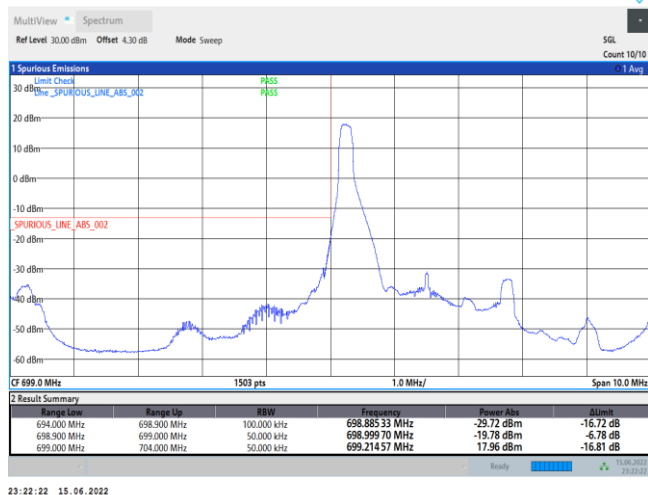


23:21:23 15.06.2022



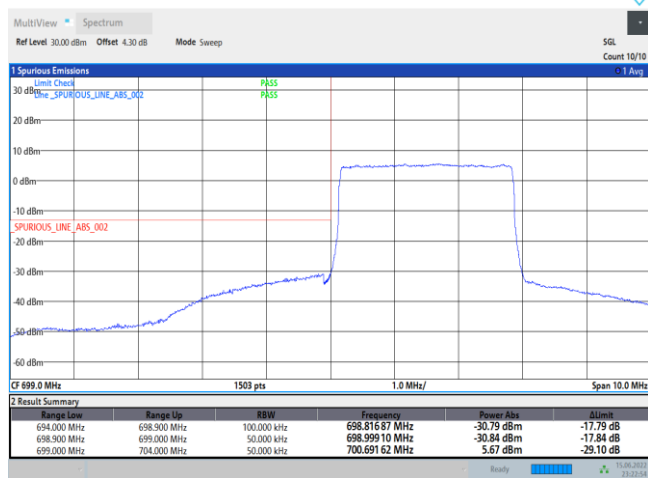
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Band12-3MHz-QPSK-23025-1RB#0



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



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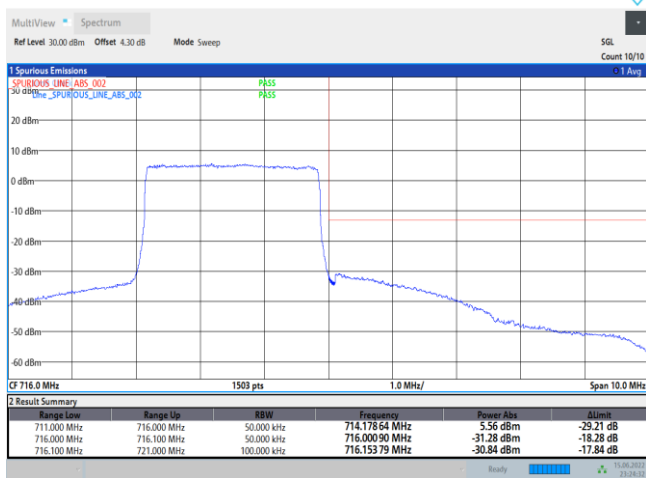
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Band12-3MHz-QPSK-23165-1RB#14



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



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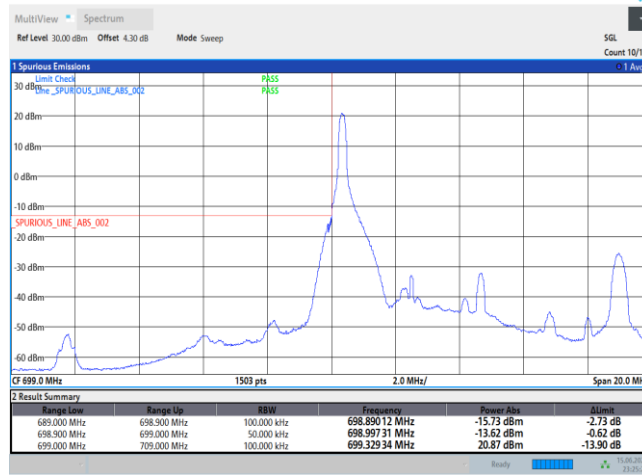


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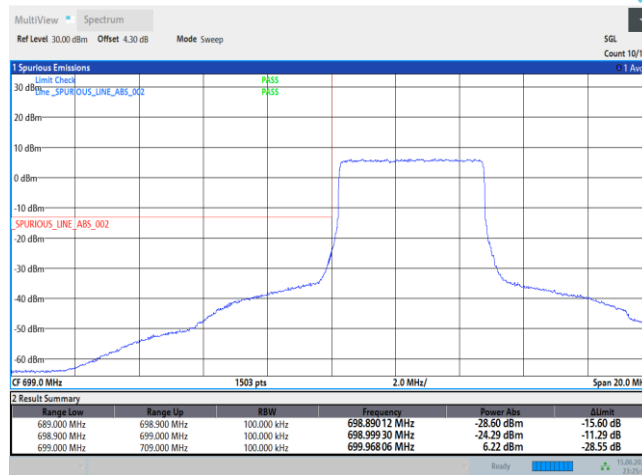
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Band12-5MHz-QPSK-23035-1RB#0



23:25:25 15.06.2022

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



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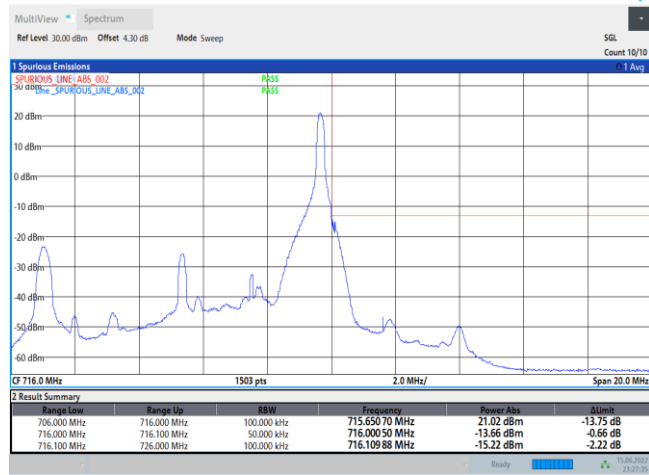
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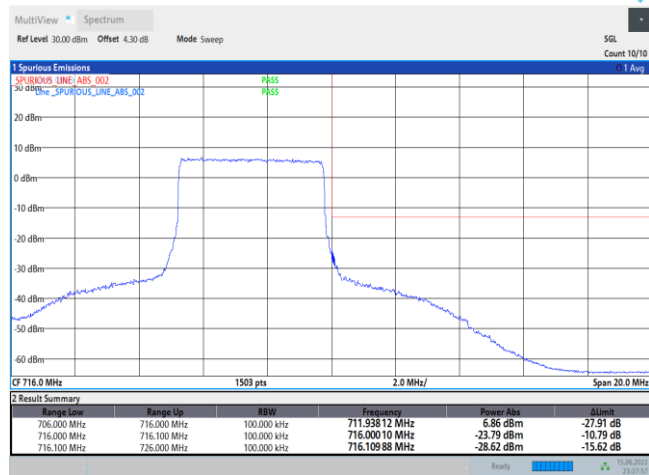
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Band12-5MHz-QPSK-23155-1RB#24



23:27:36 15. 06. 2022

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

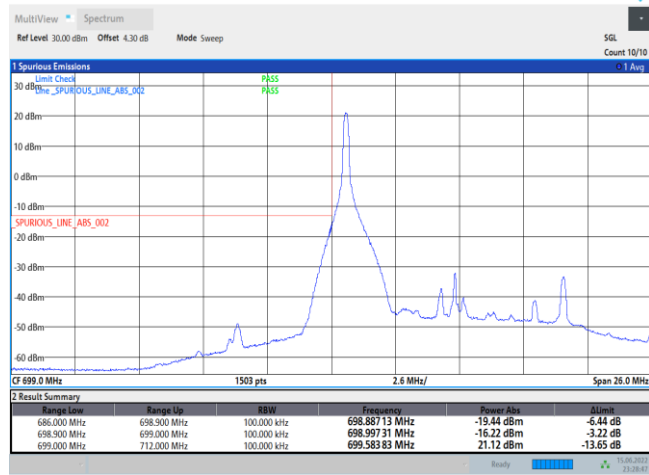


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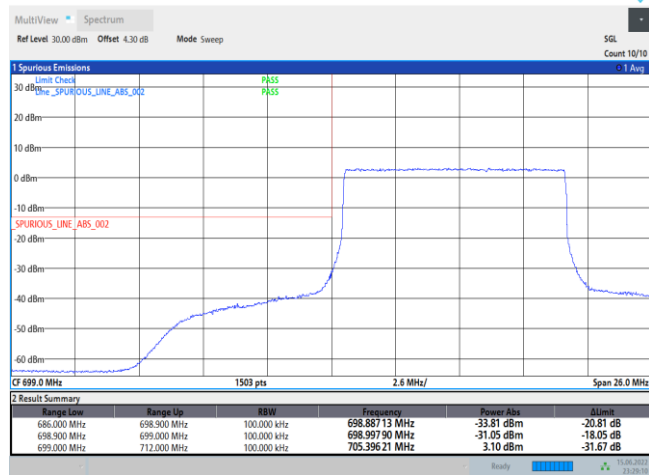
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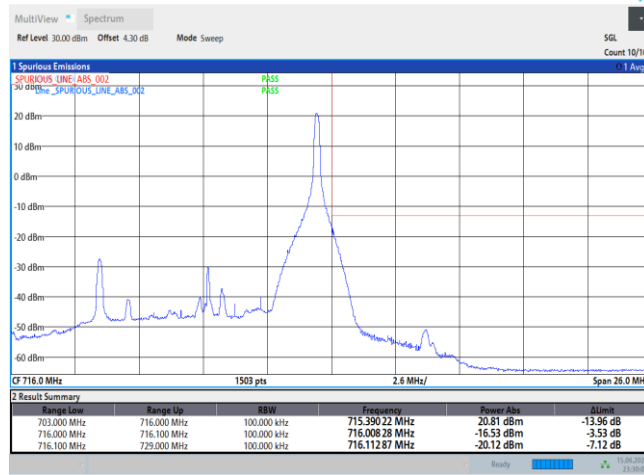


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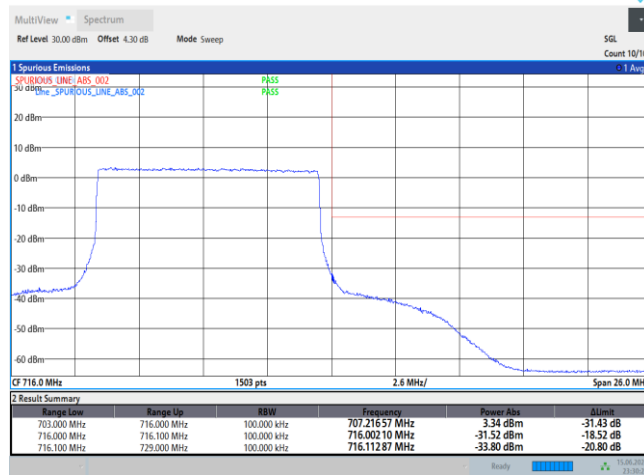
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Band12-10MHz-QPSK-23130-1RB#49



23:30:02 15.06.2022

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



23:30:26 15.06.2022

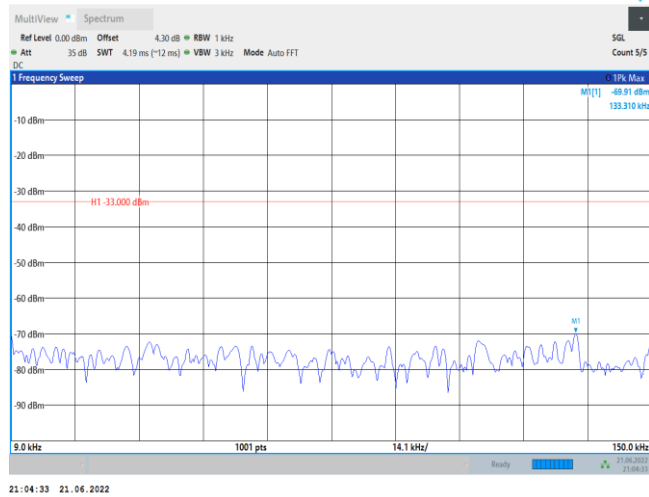


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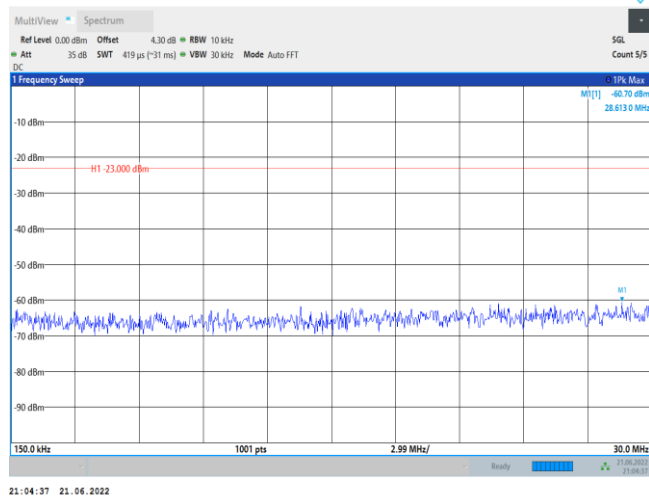
Conducted Spurious Emission

Test Graphs

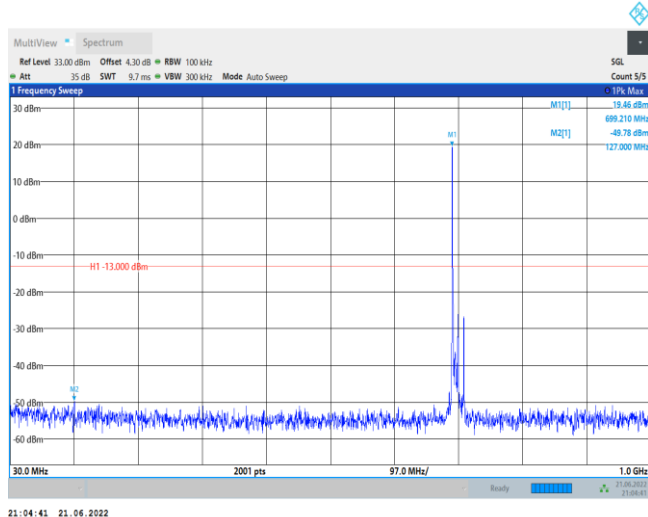
Band12-10MHz-QPSK-23060-1RB#0-Range1:0.009~0.15MHz



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

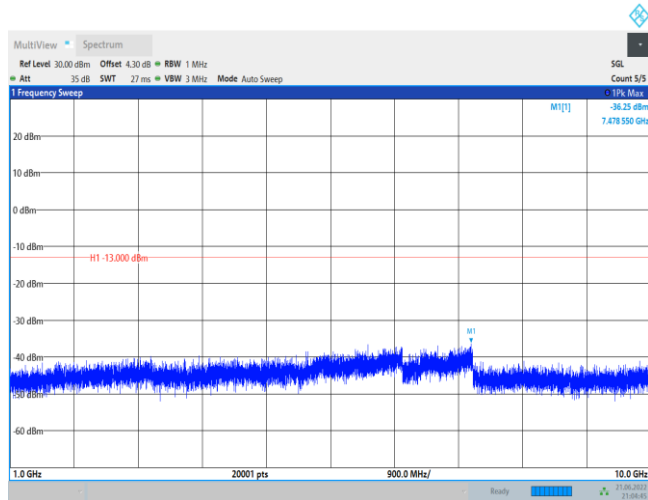


Band12-10MHz-QPSK-23060-1RB#0-Range3:30~1000MHz



21:04:41 21.06.2022

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

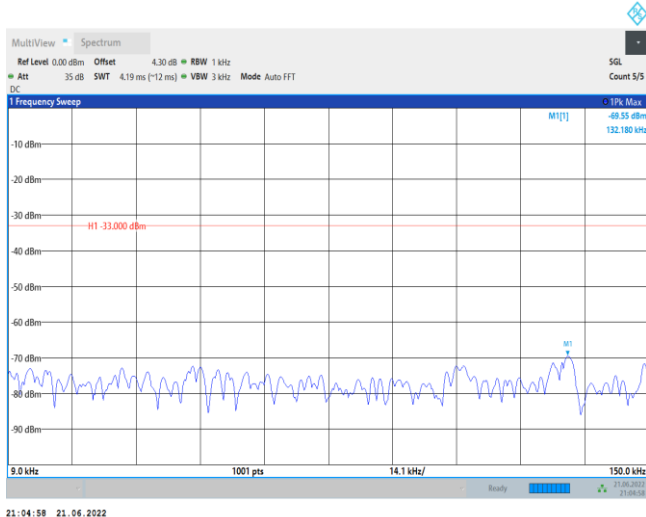


21:04:45 21.06.2022

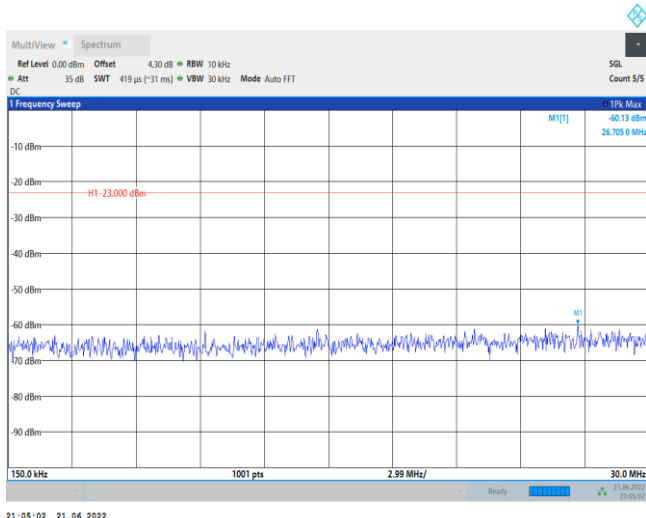


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Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

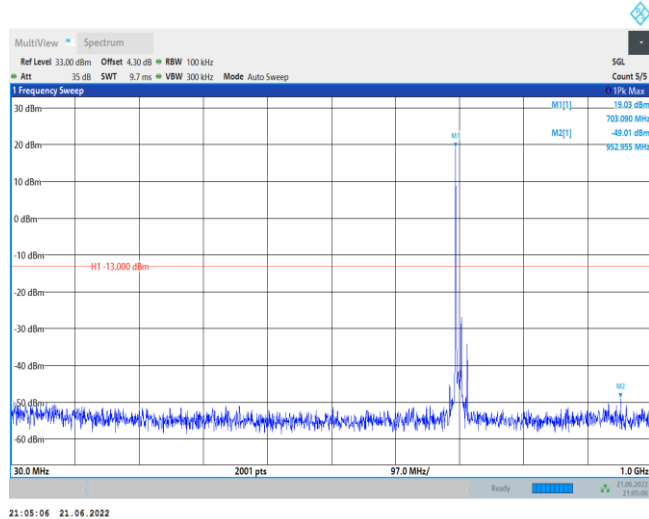


Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



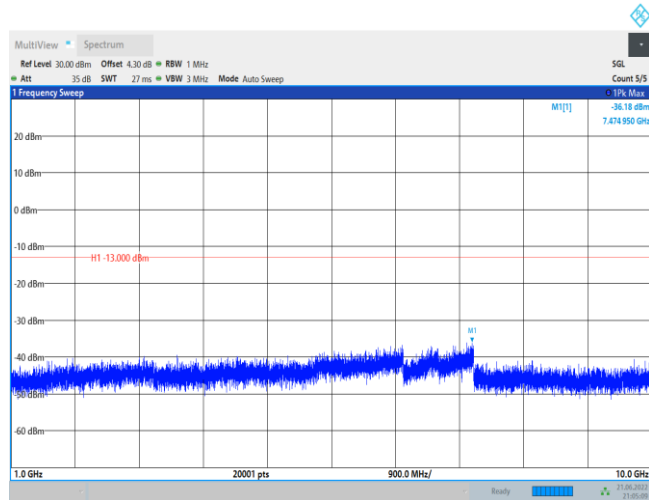
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Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



21:05:06 21.06.2022

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



21:05:10 21.06.2022



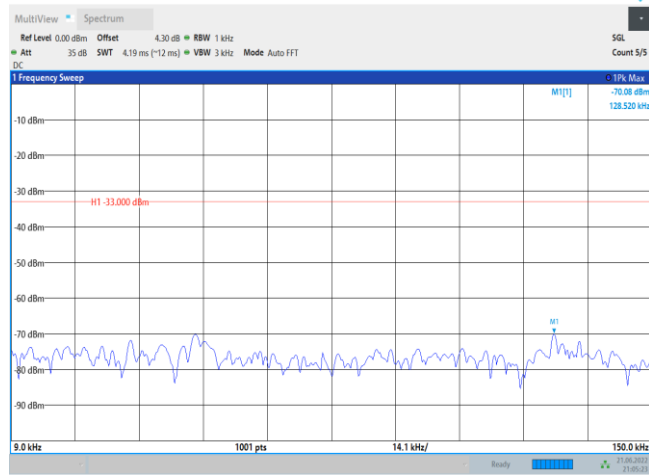
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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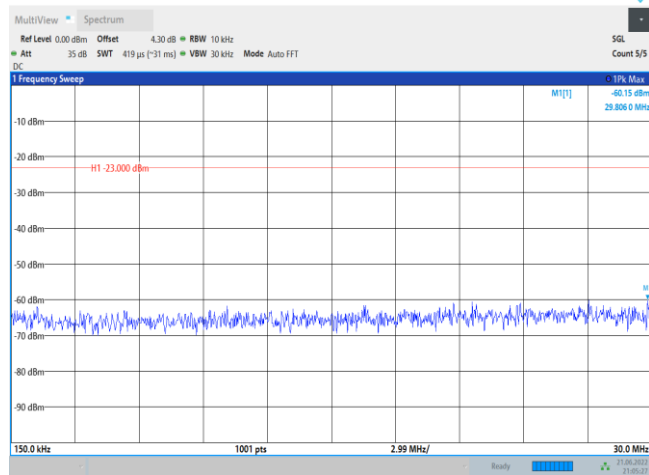
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Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz



21:05:24 21.06.2022

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

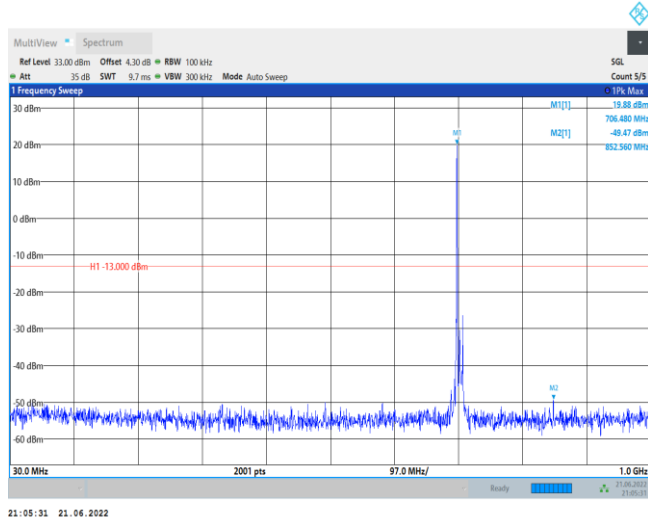


21:05:27 21.06.2022



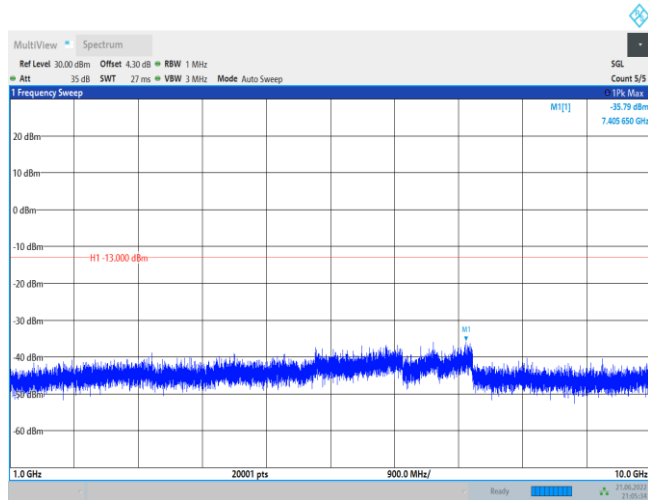
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Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz



21:05:31 21.06.2022

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



21:05:35 21.06.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 12_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	64.44	-117.64	-53.20	-13.00	40.20	214	214	Horizontal
2	2098.7700	61.56	-115.99	-54.43	-13.00	41.43	162	124	Horizontal
3	2798.3600	52.34	-113.70	-61.36	-13.00	48.36	233	164	Horizontal
4	3497.9500	53.05	-112.28	-59.23	-13.00	46.23	296	360	Horizontal
5	4197.5400	49.43	-110.12	-60.69	-13.00	47.69	291	83	Horizontal
6	4897.1300	50.51	-108.25	-57.74	-13.00	44.74	175	316	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	59.93	-117.64	-57.71	-13.00	44.71	158	245	Vertical
2	2098.7700	54.90	-115.99	-61.09	-13.00	48.09	194	245	Vertical
3	2798.3600	51.58	-113.70	-62.12	-13.00	49.12	172	327	Vertical
4	3497.9500	52.69	-112.28	-59.59	-13.00	46.59	230	1	Vertical
5	4197.5400	49.55	-110.12	-60.57	-13.00	47.57	136	1	Vertical
6	4897.1300	49.62	-108.25	-58.63	-13.00	45.63	251	125	Vertical



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

Test Band = LTE Band 12_ TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	70.26	-117.67	-47.41	-13.00	34.41	214	287	Horizontal
2	2109.2700	62.12	-115.94	-53.82	-13.00	40.82	236	114	Horizontal
3	2812.3600	52.33	-113.60	-61.27	-13.00	48.27	191	276	Horizontal
4	3515.4500	50.83	-112.23	-61.40	-13.00	48.40	172	360	Horizontal
5	4218.5400	50.12	-110.05	-59.93	-13.00	46.93	250	360	Horizontal
6	4921.6300	53.29	-108.23	-54.94	-13.00	41.94	155	256	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	57.18	-117.67	-60.49	-13.00	47.49	266	266	Vertical
2	2109.2700	58.10	-115.94	-57.84	-13.00	44.84	194	195	Vertical
3	2812.3600	52.06	-113.60	-61.54	-13.00	48.54	201	22	Vertical
4	3515.4500	50.51	-112.23	-61.72	-13.00	48.72	236	144	Vertical
5	4218.5400	49.52	-110.05	-60.53	-13.00	47.53	170	286	Vertical
6	4921.6300	50.93	-108.23	-57.30	-13.00	44.30	180	144	Vertical



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Test Band = LTE Band 12_ TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	70.97	-117.70	-46.73	-13.00	33.73	256	288	Horizontal
2	2119.7700	65.83	-115.90	-50.07	-13.00	37.07	142	136	Horizontal
3	2826.3600	51.47	-113.49	-62.02	-13.00	49.02	196	247	Horizontal
4	3532.9500	50.08	-112.18	-62.10	-13.00	49.10	230	4	Horizontal
5	4239.5400	50.62	-109.97	-59.35	-13.00	46.35	172	346	Horizontal
6	4946.1300	50.66	-108.22	-57.56	-13.00	44.56	200	114	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	61.70	-117.70	-56.00	-13.00	43.00	214	216	Vertical
2	2119.7700	59.12	-115.90	-56.78	-13.00	43.78	268	237	Vertical
3	2826.3600	50.84	-113.49	-62.65	-13.00	49.65	194	206	Vertical
4	3532.9500	51.69	-112.18	-60.49	-13.00	47.49	172	1	Vertical
5	4239.5400	50.02	-109.97	-59.95	-13.00	46.95	230	257	Vertical
6	4946.1300	49.87	-108.22	-58.35	-13.00	45.35	166	227	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	23095	50RB#0	VL	NT	-3.70	-0.005230	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-11.80	-0.016678	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-10.50	-0.014841	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-9.30	-0.013145	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-11.50	-0.016254	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-4.80	-0.006784	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-11.80	-0.016678	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-10.70	-0.015124	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-7.90	-0.011166	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-7.80	-0.011025	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-3.80	-0.005371	PASS

The End



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