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Appendix B.3

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	22.74	18.29	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.78	18.33	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.76	18.31	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.78	17.33	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.71	18.26	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.74	18.29	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.80	18.35	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.82	17.37	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.80	18.35	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.81	18.36	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.81	18.36	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.07	17.62	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.77	17.32	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.80	17.35	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.84	17.39	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.88	16.43	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.82	17.37	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.81	17.36	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.87	17.42	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.91	16.46	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.03	17.58	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.97	17.52	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.00	17.55	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.00	16.55	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	20.83	16.38	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	20.90	16.45	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	20.93	16.48	34.77	PASS



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Band12	1.4MHz	64QAM	23017	6RB#0	19.99	15.54	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	20.86	16.41	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	20.93	16.48	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	20.86	16.41	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	19.99	15.54	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.05	16.6	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	20.98	16.53	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	20.94	16.49	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.06	15.61	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.75	18.3	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.71	18.26	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.79	18.34	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.79	17.34	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.75	18.3	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.71	18.26	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.76	18.31	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.76	17.31	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.83	18.38	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.87	18.42	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.83	18.38	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.00	17.55	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.82	17.37	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.83	17.38	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.88	17.43	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.91	16.46	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.82	17.37	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.80	17.35	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.88	17.43	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.93	16.48	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.00	17.55	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.97	17.52	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.02	17.57	34.77	PASS



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Band12	3MHz	16QAM	23165	15RB#0	21.00	16.55	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	20.86	16.41	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	20.94	16.49	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	20.92	16.47	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	19.97	15.52	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	20.82	16.37	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	20.88	16.43	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	20.93	16.48	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.03	15.58	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.02	16.57	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	20.97	16.52	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.02	16.57	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.01	15.56	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.70	18.25	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.78	18.33	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.84	18.39	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.84	17.39	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.71	18.26	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.73	18.28	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.79	18.34	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.77	17.32	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.82	18.37	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.88	18.43	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.85	18.4	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.01	17.56	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.77	17.32	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.81	17.36	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.83	17.38	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.88	16.43	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.81	17.36	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.84	17.39	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.82	17.37	34.77	PASS



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Band12	5MHz	16QAM	23095	25RB#0	20.88	16.43	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.07	17.62	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.00	17.55	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.00	17.55	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.01	16.56	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	20.90	16.45	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	20.91	16.46	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	20.85	16.4	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.01	15.56	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	20.84	16.39	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	20.88	16.43	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	20.87	16.42	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.03	15.58	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.03	16.58	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	20.93	16.48	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	20.94	16.49	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.07	15.62	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.72	18.27	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.76	18.31	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.76	18.31	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.83	17.38	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.69	18.24	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.72	18.27	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.80	18.35	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.78	17.33	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.93	18.48	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.86	18.41	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.92	18.47	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.07	17.62	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.77	17.32	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.79	17.34	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.87	17.42	34.77	PASS



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Band12	10MHz	16QAM	23095	1RB#0	21.77	17.32	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.78	17.33	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.89	17.44	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.92	16.47	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.05	17.6	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.99	17.54	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.02	17.57	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.01	16.56	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	20.90	16.45	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	20.89	16.44	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	20.92	16.47	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.01	15.56	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	20.88	16.43	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	20.88	16.43	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	20.94	16.49	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.04	15.59	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.00	16.55	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	20.94	16.49	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.00	16.55	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.02	15.57	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	5.42	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.20	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.24	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.22	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.02	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.04	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.80	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.64	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.60	13	PASS



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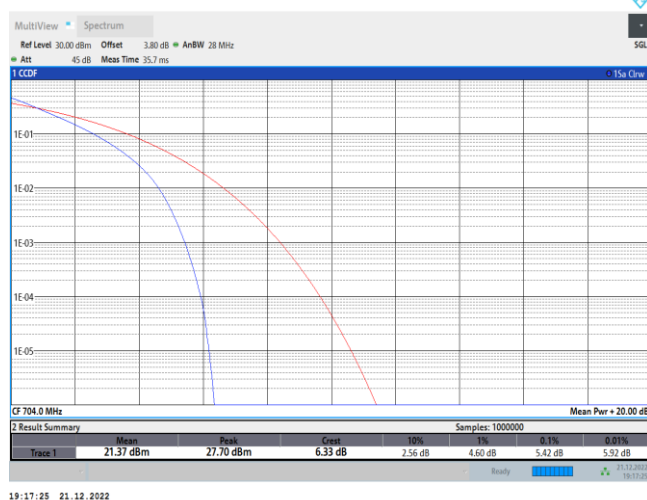
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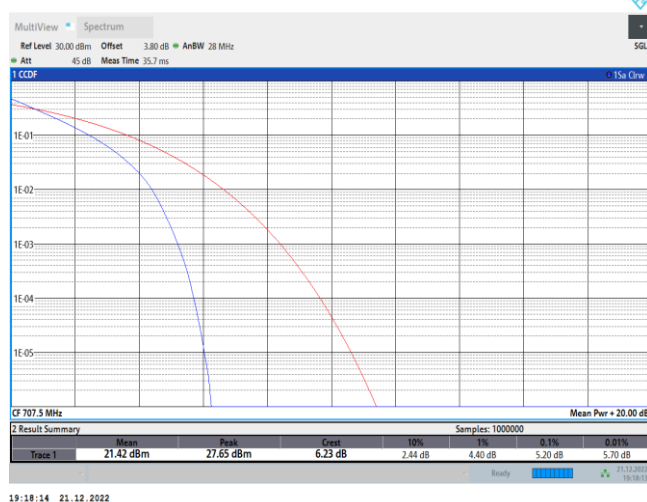
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Test Graphs

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



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



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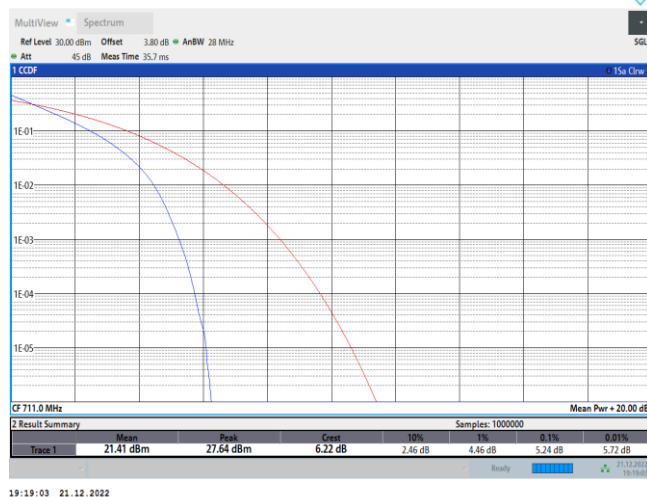
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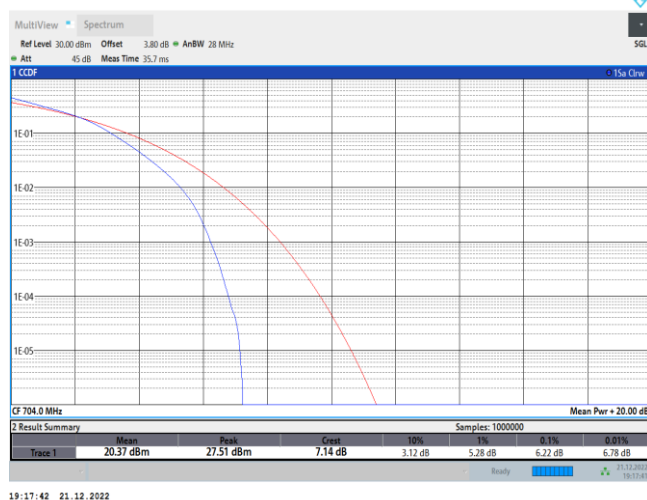
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Band12-10MHz-QPSK-23130-50RB#0



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



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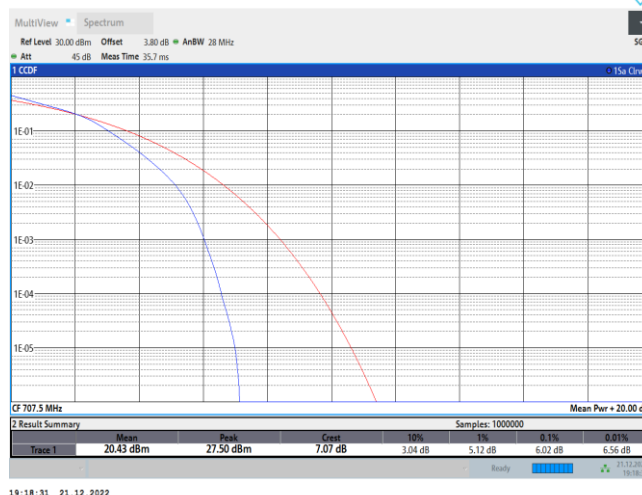
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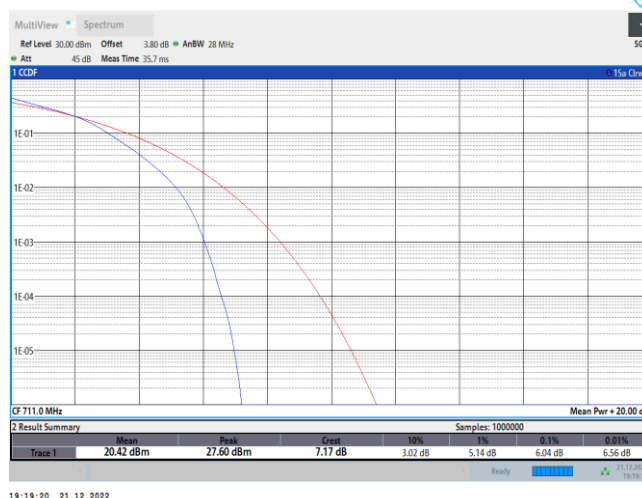
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Band12-10MHz-16QAM-23095-50RB#0



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



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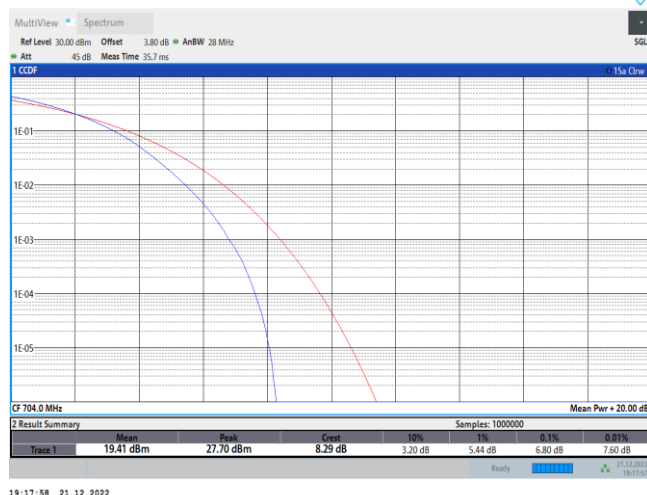
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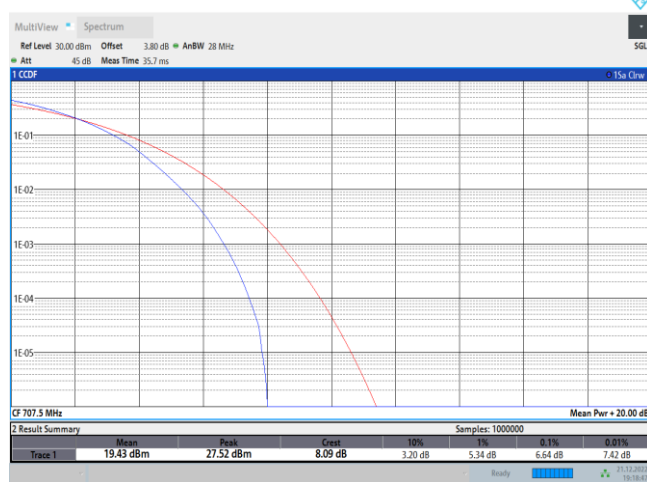
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Band12-10MHz-64QAM-23095-50RB#0



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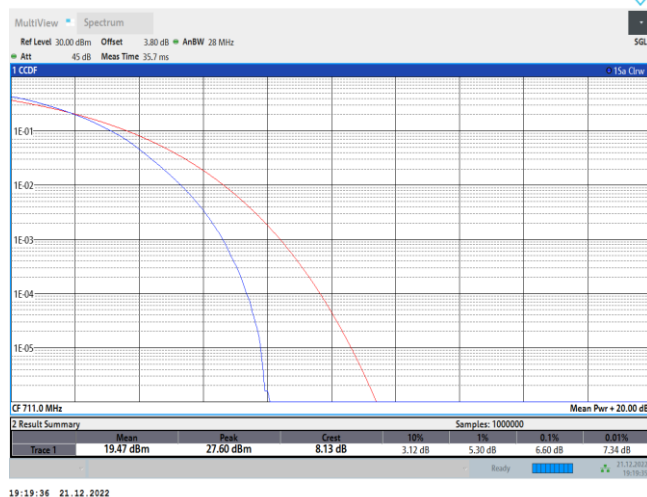
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Band12-10MHz-64QAM-23130-50RB#0



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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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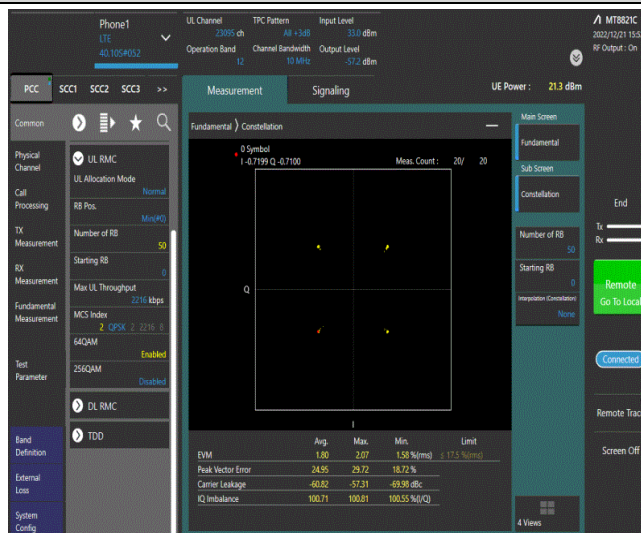
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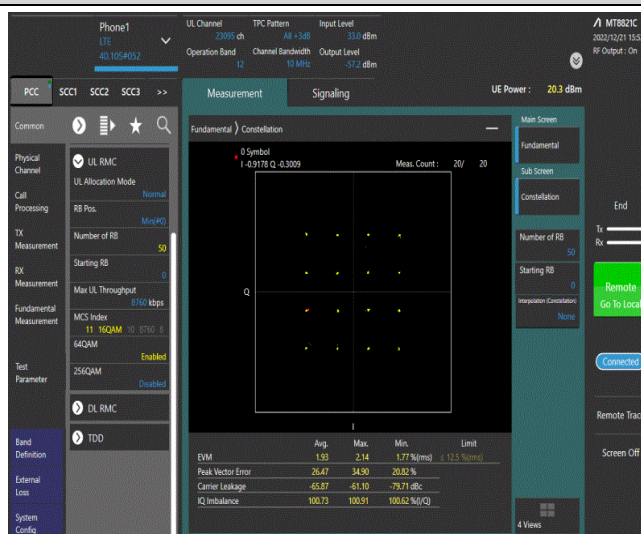
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Test Graphs

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



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



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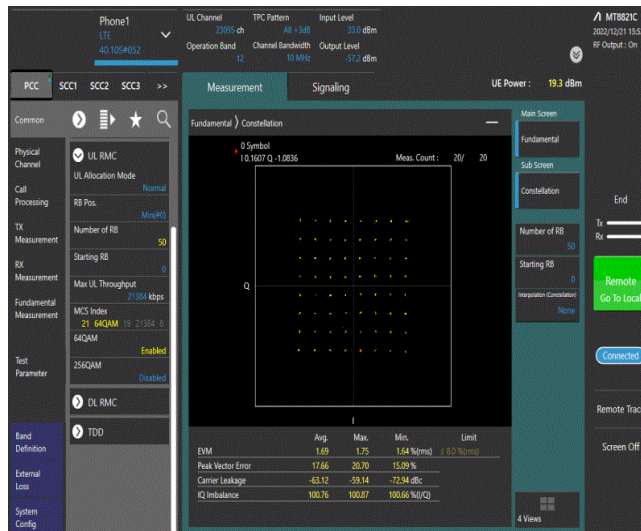
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.101	1.23	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.08	1.22	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.084	1.23	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.092	1.24	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.092	1.24	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.092	1.24	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.091	1.24	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.091	1.24	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.092	1.24	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.696	3.00	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.694	2.99	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.695	2.97	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.689	2.99	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.689	2.99	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.689	3.00	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.689	2.98	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.687	2.96	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.691	2.97	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.472	4.89	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.464	4.87	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.477	4.89	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.471	4.93	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.467	4.89	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.47	4.91	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.484	4.92	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	4.91	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.481	4.90	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.939	9.66	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.905	9.64	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.942	9.66	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.913	9.56	PASS



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Band12	10MHz	16QAM	23130	50RB#0	8.914	9.62	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.931	9.62	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.894	9.62	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.932	9.64	PASS



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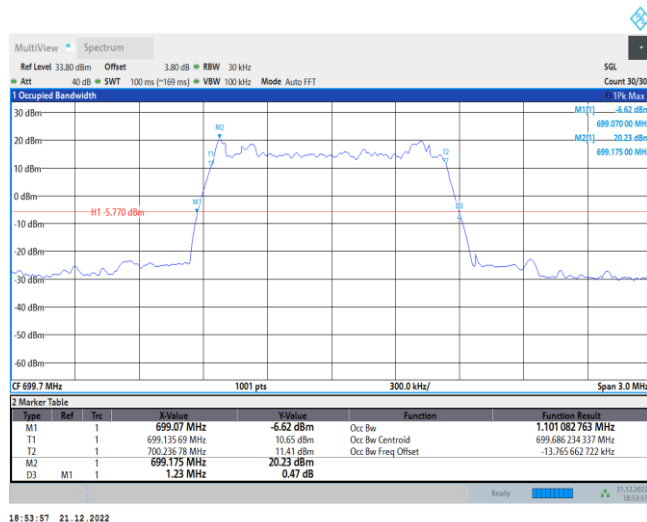
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Test Graphs

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



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



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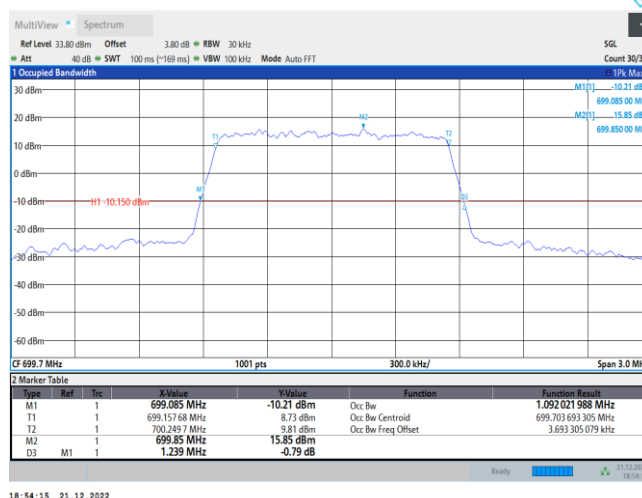
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Band12-1.4MHz-QPSK-23173-6RB#0



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



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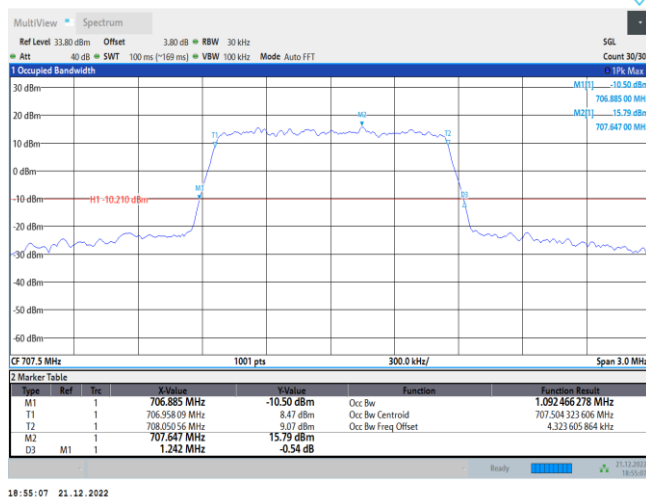
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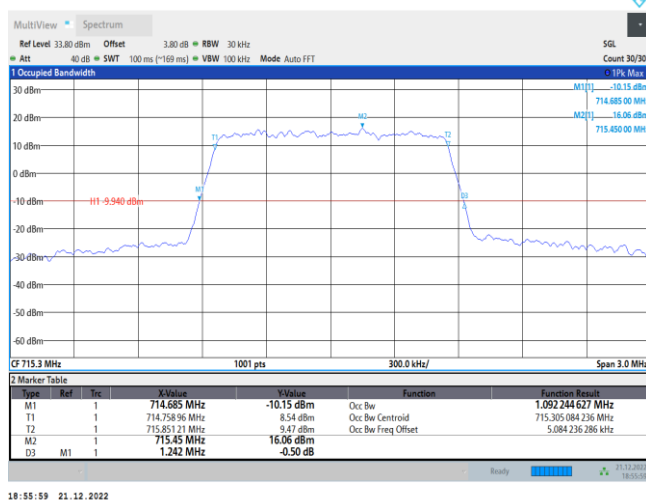
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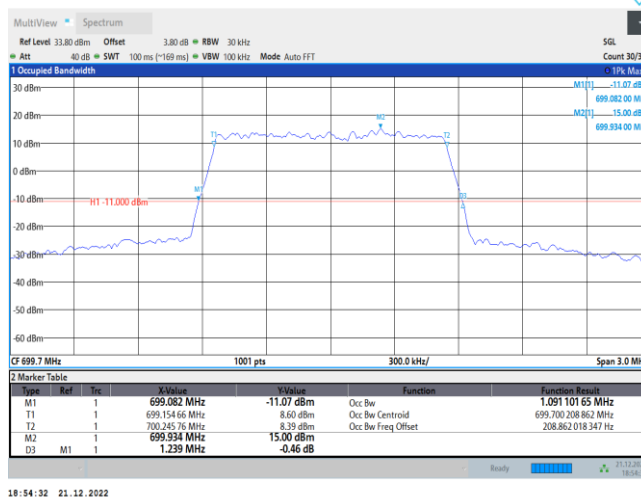


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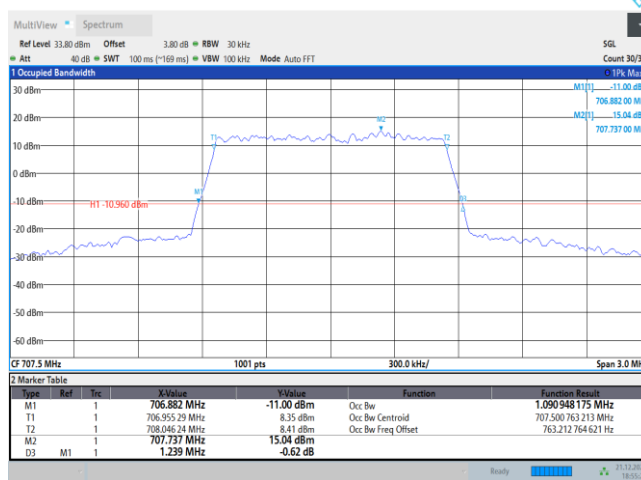
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Band12-1.4MHz-64QAM-23017-6RB#0



18:54:32 21.12.2022

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



18:55:25 21.12.2022



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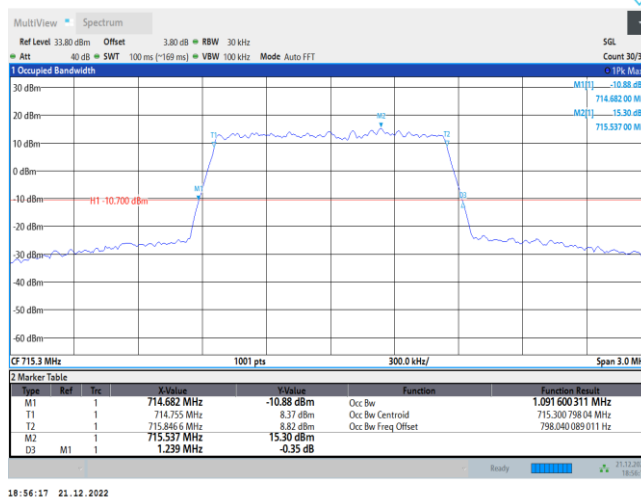
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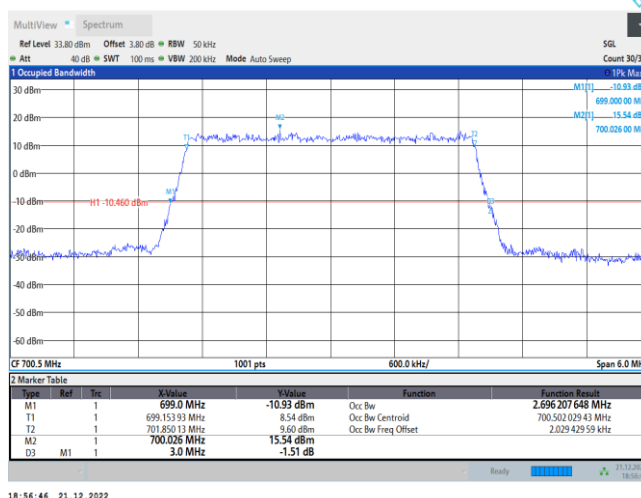
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Band12-3MHz-QPSK-23025-15RB#0

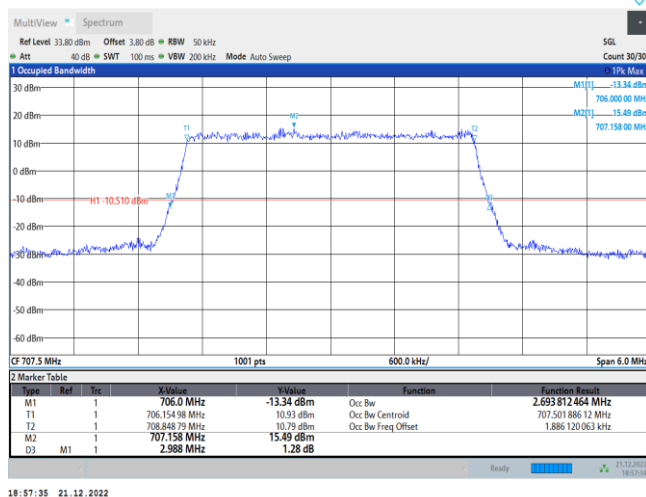


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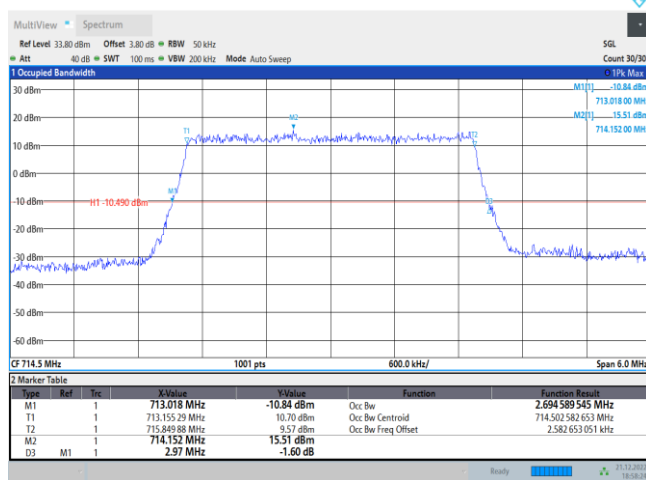
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Band12-3MHz-QPSK-23095-15RB#0



18:57:35 21.12.2022

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



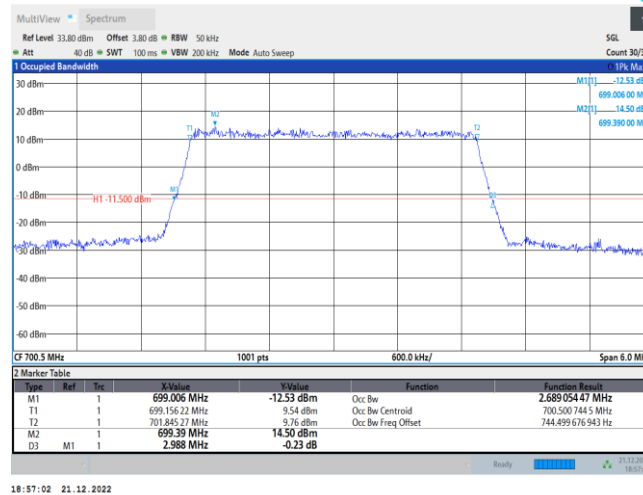
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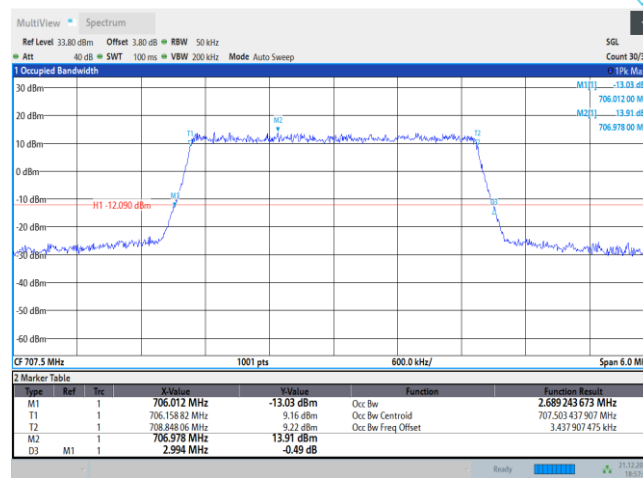
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Band12-3MHz-16QAM-23025-15RB#0



18:57:02 21.12.2022

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



18:57:51 21.12.2022



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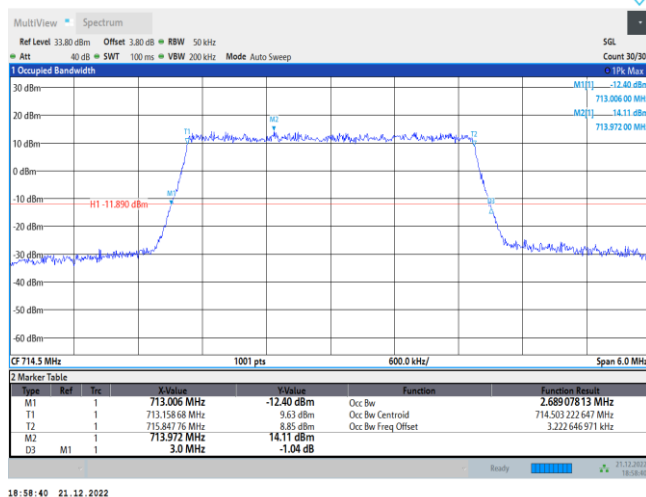
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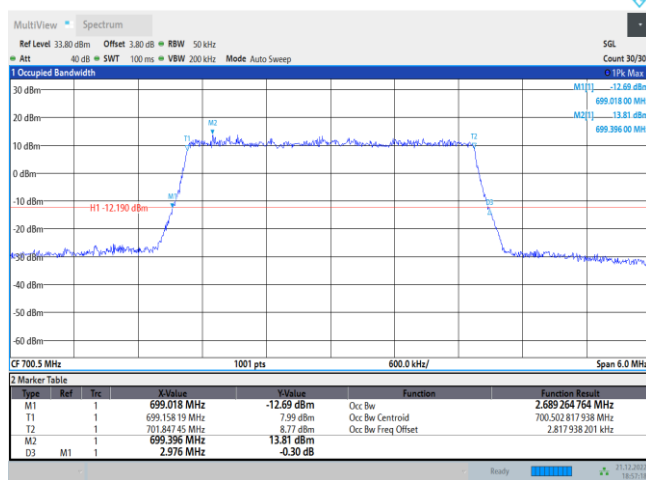
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Band12-3MHz-64QAM-23025-15RB#0



18:57:18 21.12.2022



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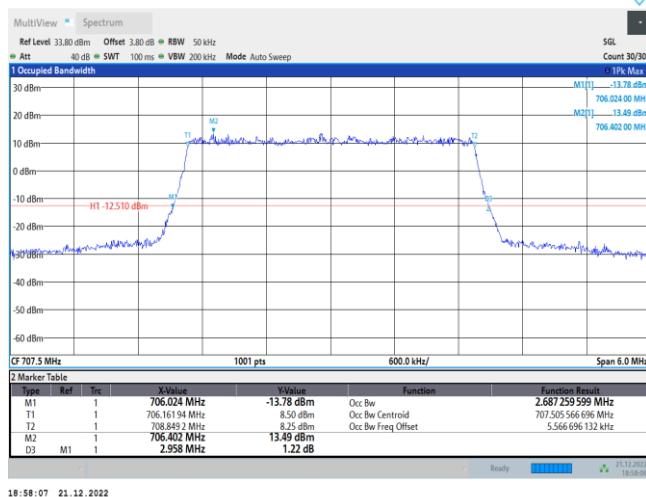
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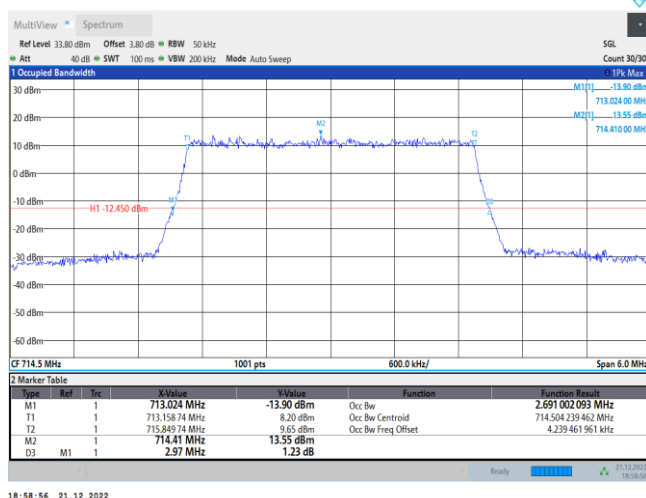
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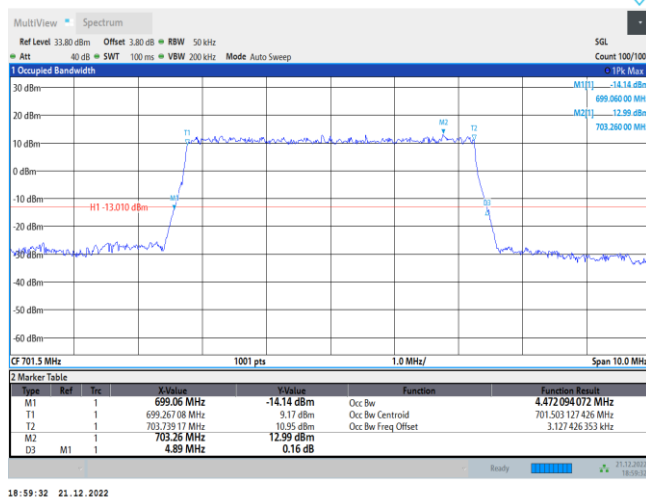
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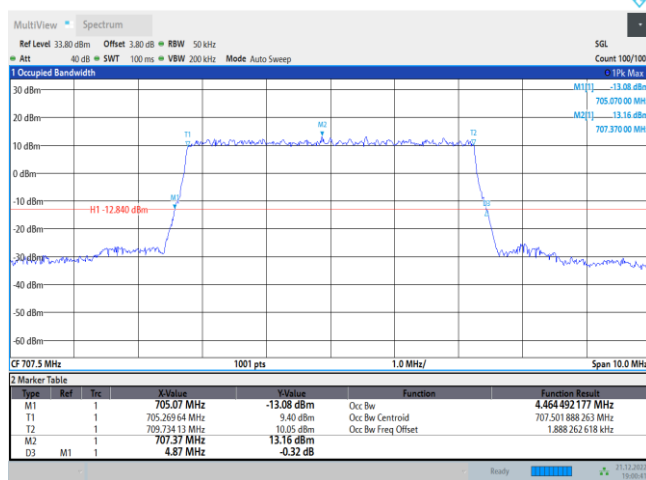
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18:59:32 21.12.2022

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



19:00:42 21.12.2022



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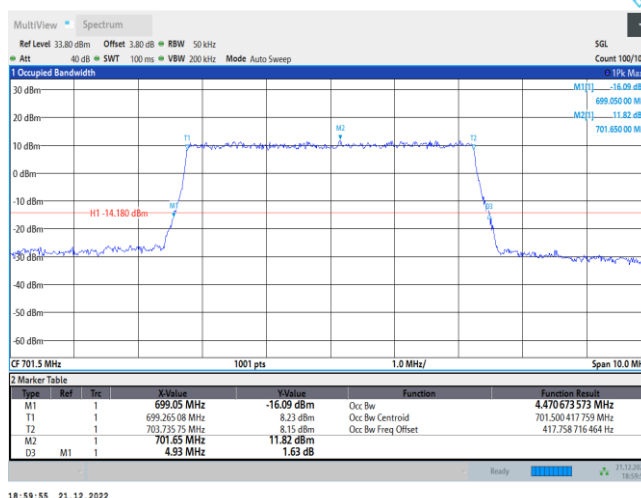
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Band12-5MHz-QPSK-23155-25RB#0



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

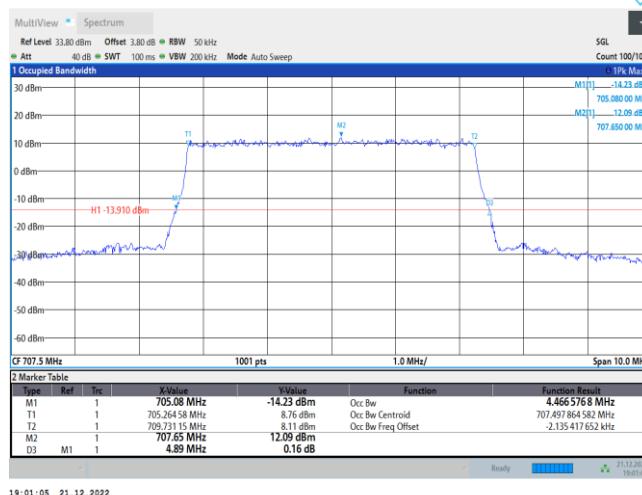


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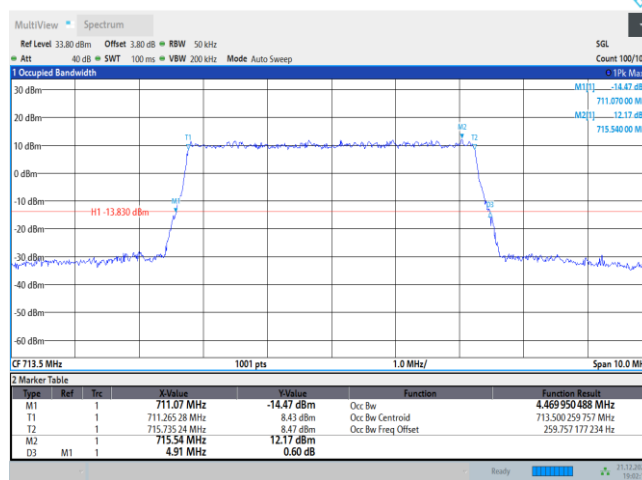
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Band12-5MHz-16QAM-23095-25RB#0



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



19:02:15 21.12.2022



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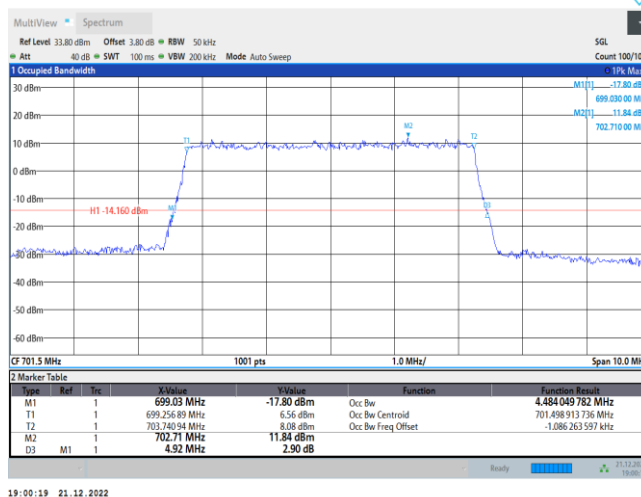
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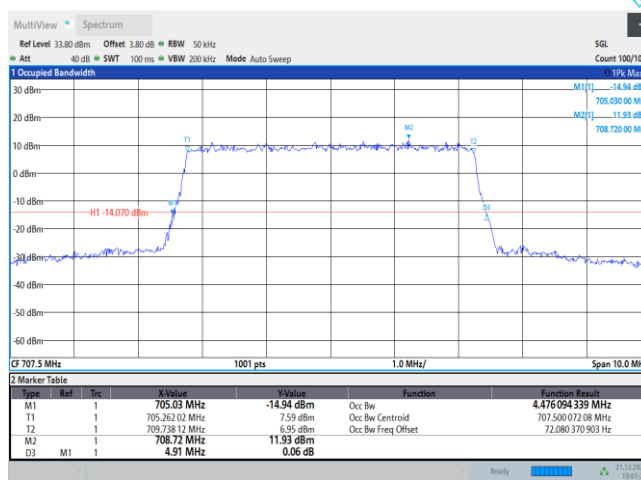
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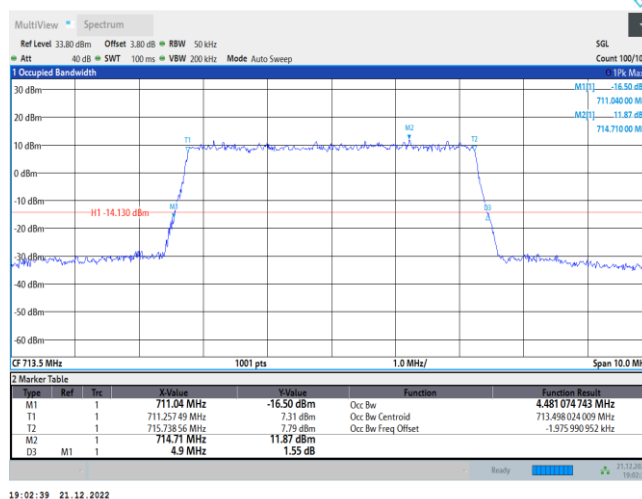
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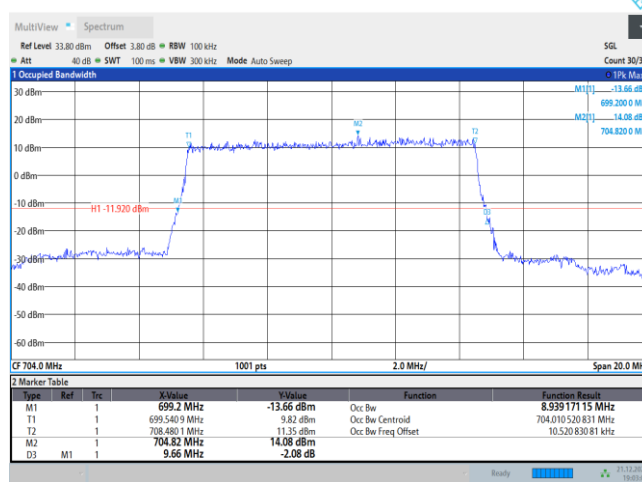
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