

Report No.: SEWM2308000314RG01

Rev.: 01

Page: 1 of 45

Appendix B.6

LTE Band 12



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.44	20.29	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.48	20.33	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.48	20.33	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.47	19.32	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.55	20.4	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.54	20.39	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.52	20.37	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.58	19.43	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.71	20.56	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.51	20.36	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.54	20.39	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.59	19.44	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.59	19.44	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.62	19.47	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.58	19.43	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.44	18.29	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.61	19.46	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.66	19.51	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.6	19.45	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.55	18.4	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.63	19.48	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.55	19.4	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.6	19.45	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.56	18.41	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.59	18.44	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.67	18.52	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.61	18.46	34.77	PASS



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 3 of 45

Band12	1.4MHz	64QAM	23017	6RB#0	21.44	17.29	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.7	18.55	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.68	18.53	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.69	18.54	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.55	17.4	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.68	18.53	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.67	18.52	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.66	18.51	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.51	17.36	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#0	19.56	15.41	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#2	19.49	15.34	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#5	19.53	15.38	34.77	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	19.43	15.28	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#0	19.64	15.49	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#2	19.65	15.5	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#5	19.62	15.47	34.77	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	19.48	15.33	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#0	19.57	15.42	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#2	19.63	15.48	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#5	19.6	15.45	34.77	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	19.51	15.36	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.45	20.3	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.48	20.33	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.46	20.31	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.52	19.37	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.21	20.06	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.54	20.39	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.51	20.36	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.53	19.38	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.5	20.35	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.57	20.42	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.56	20.41	34.77	PASS



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 4 of 45

Band12	3MHz	QPSK	23165	15RB#0	23.57	19.42	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.54	19.39	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.54	19.39	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.56	19.41	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.49	18.34	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.61	19.46	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.63	19.48	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.57	19.42	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.53	18.38	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.65	19.5	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.62	19.47	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.58	19.43	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.6	18.45	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	22.6	18.45	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	22.62	18.47	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.61	18.46	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.55	17.4	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.67	18.52	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.69	18.54	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.65	18.5	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.55	17.4	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	22.69	18.54	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.7	18.55	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.68	18.53	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.63	17.48	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#0	19.53	15.38	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#8	19.55	15.4	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#14	19.55	15.4	34.77	PASS
Band12	3MHz	256QAM	23025	15RB#0	19.48	15.33	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#0	19.63	15.48	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#8	19.62	15.47	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#14	19.56	15.41	34.77	PASS



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 5 of 45

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Band12	3MHz	256QAM	23165	1RB#0	19.61	15.46	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#8	19.63	15.48	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#14	19.63	15.48	34.77	PASS
Band12	3MHz	256QAM	23165	15RB#0	19.55	15.4	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.52	20.37	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.55	20.4	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.57	20.42	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.55	19.4	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.48	20.33	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.6	20.45	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.57	20.42	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.55	19.4	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.82	19.67	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.58	20.43	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.6	20.45	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.6	19.45	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.63	19.48	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.6	19.45	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.63	19.48	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.55	18.4	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.74	19.59	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.68	19.53	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.65	19.5	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.57	18.42	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.66	19.51	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.64	19.49	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.62	19.47	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.57	18.42	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.68	18.53	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	22.66	18.51	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.73	18.58	34.77	PASS



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 6 of 45

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Band12	5MHz	64QAM	23095	1RB#0	22.76	18.61	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.72	18.57	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	22.73	18.58	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.55	17.4	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.73	18.58	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.67	18.52	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.72	18.57	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.55	17.4	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#0	19.55	15.4	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#12	19.6	15.45	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#24	19.62	15.47	34.77	PASS
Band12	5MHz	256QAM	23035	25RB#0	19.51	15.36	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#0	19.74	15.59	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#12	19.56	15.41	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#24	19.64	15.49	34.77	PASS
Band12	5MHz	256QAM	23095	25RB#0	19.5	15.35	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#0	19.71	15.56	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#12	19.64	15.49	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#24	19.69	15.54	34.77	PASS
Band12	5MHz	256QAM	23155	25RB#0	19.56	15.41	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.53	20.38	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.52	20.37	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.55	20.4	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.57	19.42	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.32	20.17	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.55	20.4	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.56	20.41	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.6	19.45	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.43	20.28	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.55	20.4	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.56	20.41	34.77	PASS



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 7 of 45

Band12	10MHz	QPSK	23130	50RB#0	23.62	19.47	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.63	19.48	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.7	19.55	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.63	19.48	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.54	18.39	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.69	19.54	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.72	19.57	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.75	19.6	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.58	18.43	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.65	19.5	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.75	19.6	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.66	19.51	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.59	18.44	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.68	18.53	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.73	18.58	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.67	18.52	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.49	17.34	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.74	18.59	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.68	18.53	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	22.75	18.6	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.53	17.38	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.7	18.55	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	22.72	18.57	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	22.69	18.54	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.55	17.4	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#0	19.65	15.5	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#24	19.67	15.52	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#49	19.67	15.52	34.77	PASS
Band12	10MHz	256QAM	23060	50RB#0	19.53	15.38	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#0	19.67	15.52	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#24	19.61	15.46	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#49	19.63	15.48	34.77	PASS



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Report No.: SEWM2308000314RG01
Rev.: 01
Page: 8 of 45

Band12	10MHz	256QAM	23095	50RB#0	19.53	15.38	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#0	19.61	15.46	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#24	19.63	15.48	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#49	19.61	15.46	34.77	PASS
Band12	10MHz	256QAM	23130	50RB#0	19.55	15.4	34.77	PASS



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 9 of 45

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	4.90	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.08	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.12	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.50	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.50	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.48	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	5.96	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.00	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	5.98	13	PASS
Band12	10MHz	256QAM	23060	50RB#0	6.46	13	PASS
Band12	10MHz	256QAM	23095	50RB#0	6.46	13	PASS
Band12	10MHz	256QAM	23130	50RB#0	6.42	13	PASS



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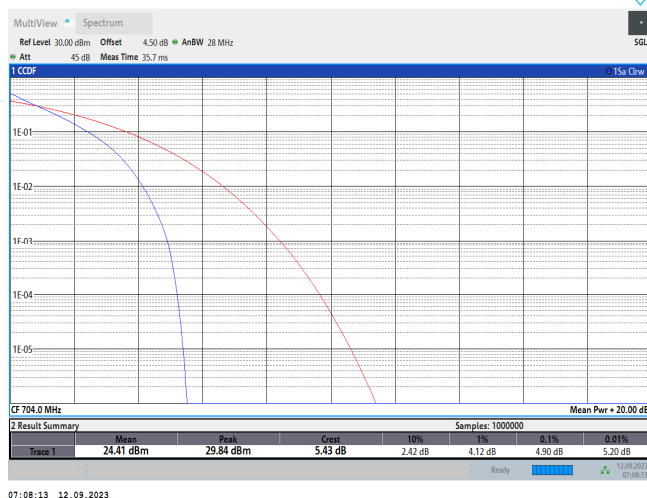
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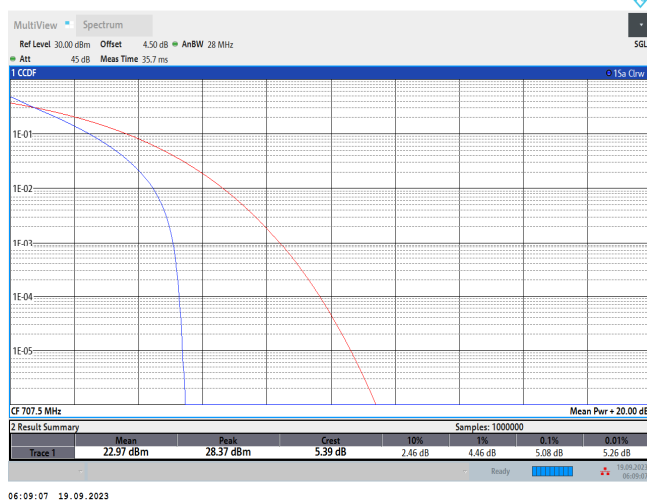
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Test Graphs

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



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



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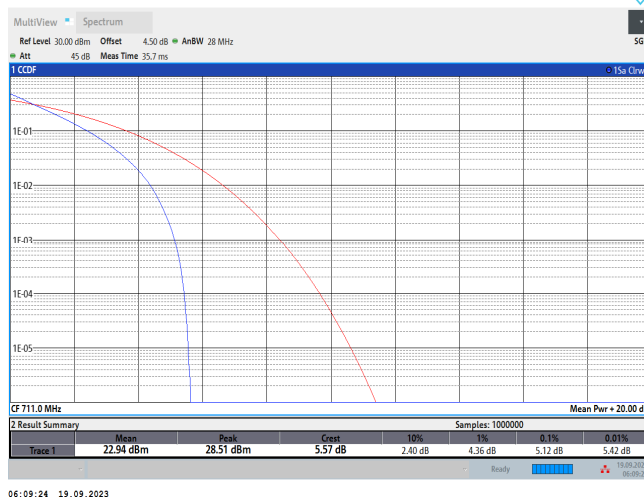
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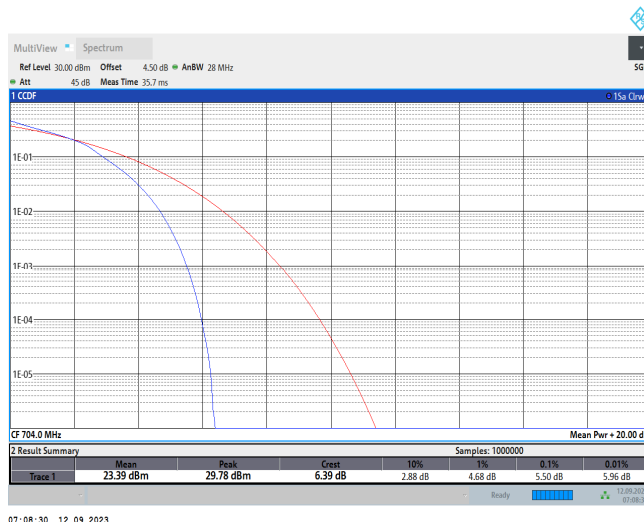
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Page: 11 of 45

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



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



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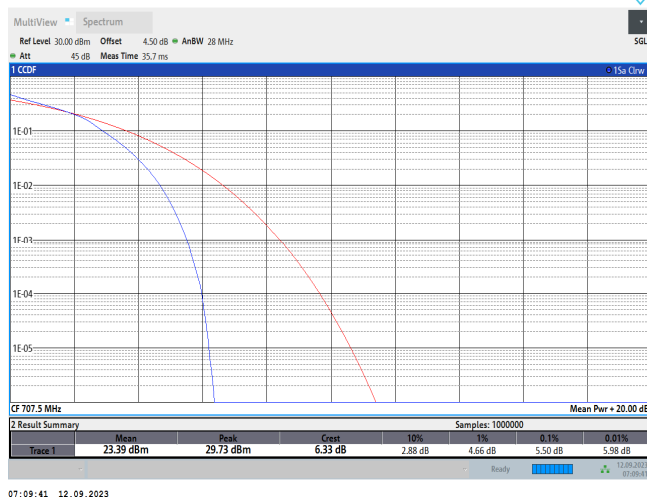
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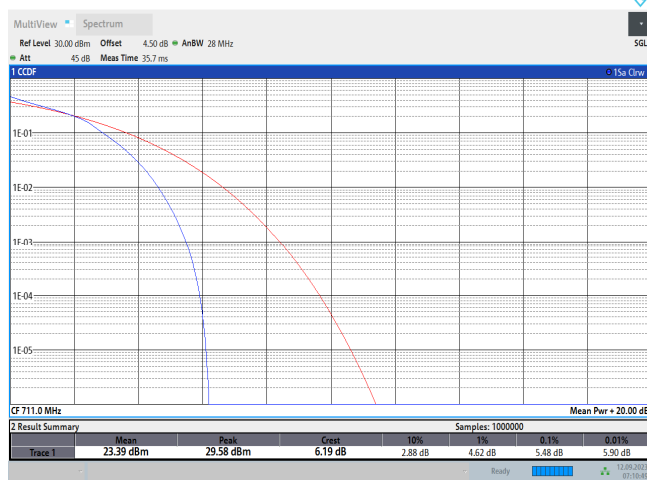
Page: 12 of 45

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



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



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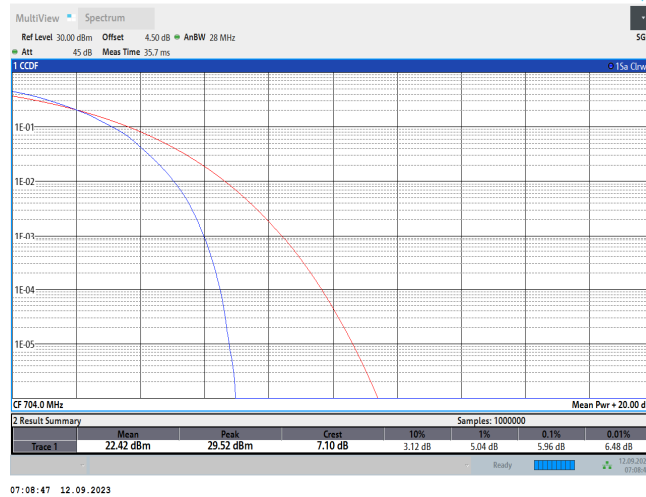
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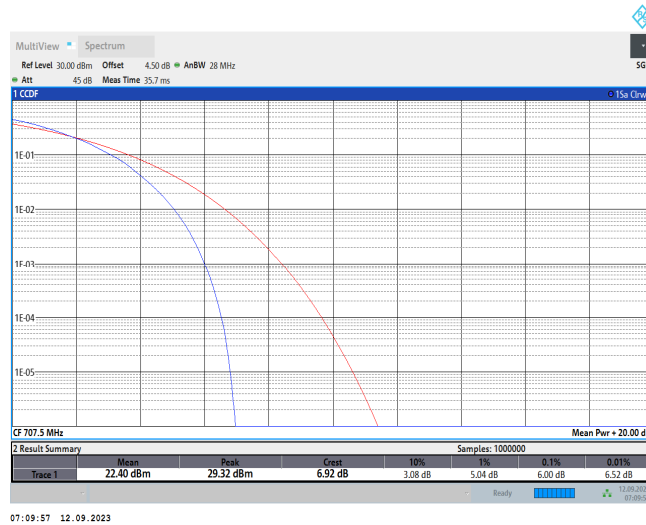
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Band12-10MHz-64QAM-23060-50RB#0



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



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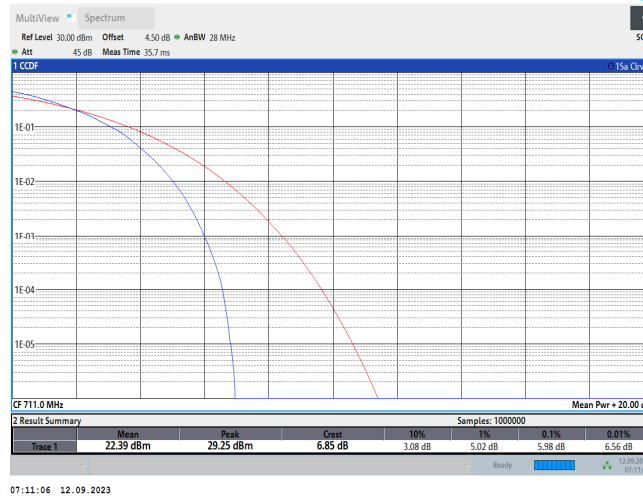
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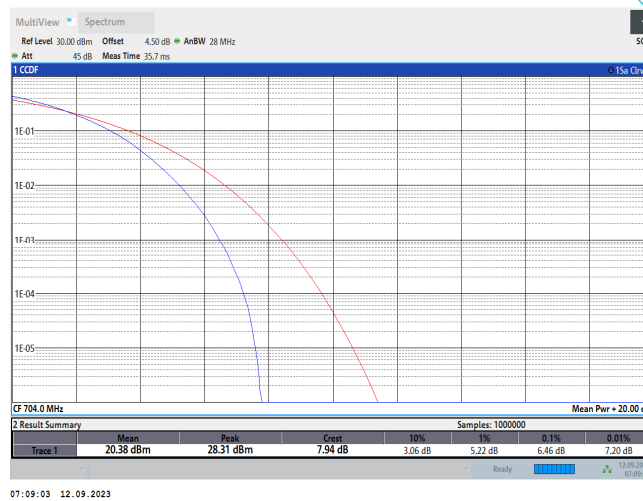
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Band12-10MHz-256QAM-23060-50RB#0



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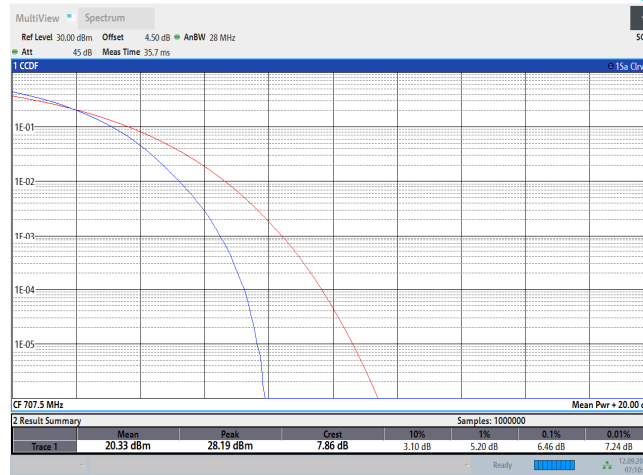
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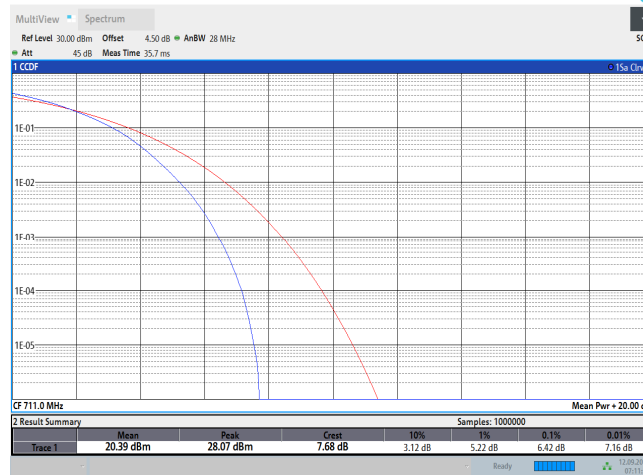
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Band12-10MHz-256QAM-23095-50RB#0



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Band12-10MHz-256QAM-23130-50RB#0



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Rev.: 01

Page: 16 of 45

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23095	6RB#0	1.095	1.29	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.099	1.31	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.099	1.32	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	1.087	1.29	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.695	2.94	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.692	2.95	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.689	2.92	PASS
Band12	3MHz	256QAM	23095	15RB#0	2.687	2.93	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.465	4.88	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.468	4.90	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.473	4.86	PASS
Band12	5MHz	256QAM	23095	25RB#0	4.468	4.84	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.919	9.58	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.927	9.64	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.936	9.90	PASS
Band12	10MHz	256QAM	23095	50RB#0	8.927	9.60	PASS



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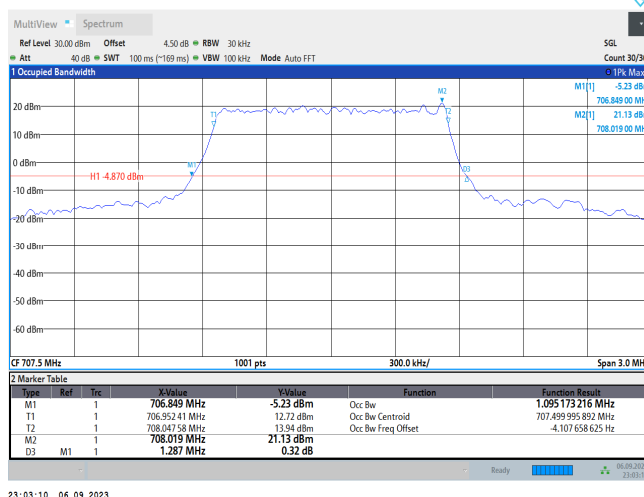
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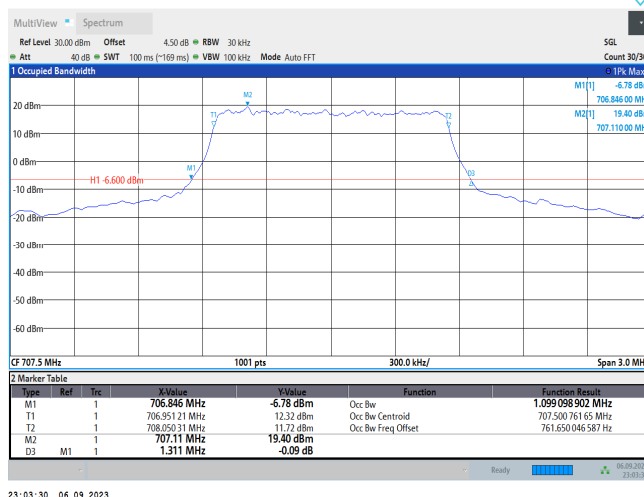
Page: 17 of 45

Test Graphs

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



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



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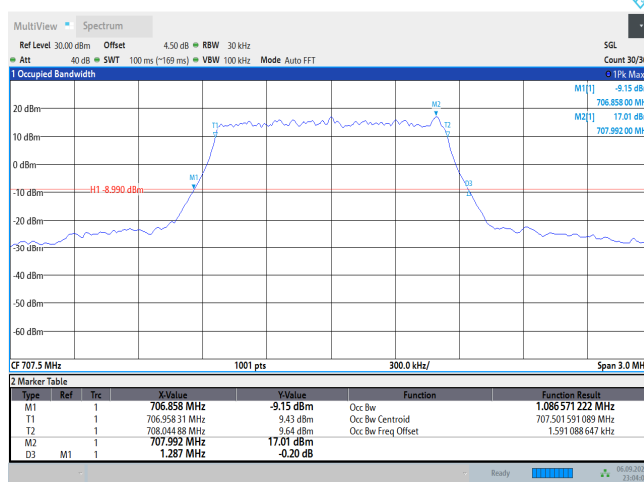
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Band12-1.4MHz-64QAM-23095-6RB#0



23:03:50 06.09.2023

Band12-1.4MHz-256QAM-23095-6RB#0



23:04:10 06.09.2023



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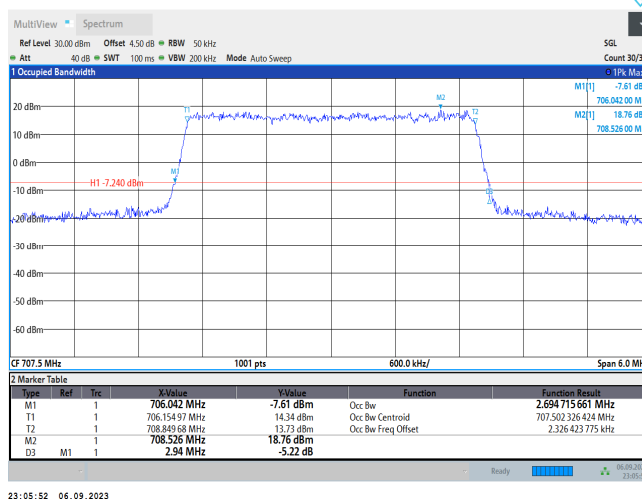
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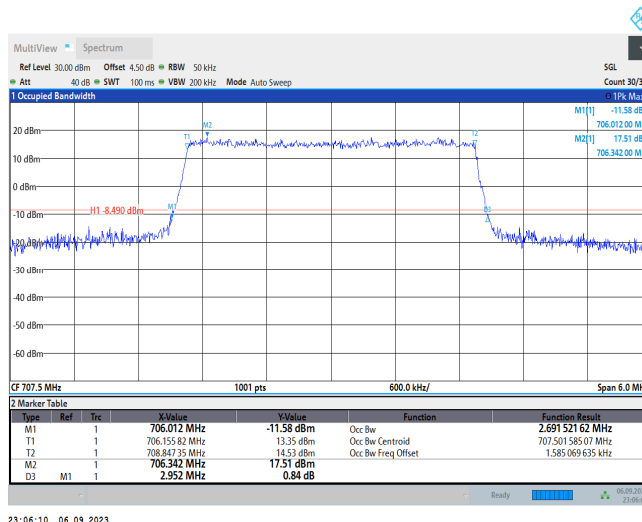
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Band12-3MHz-QPSK-23095-15RB#0



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

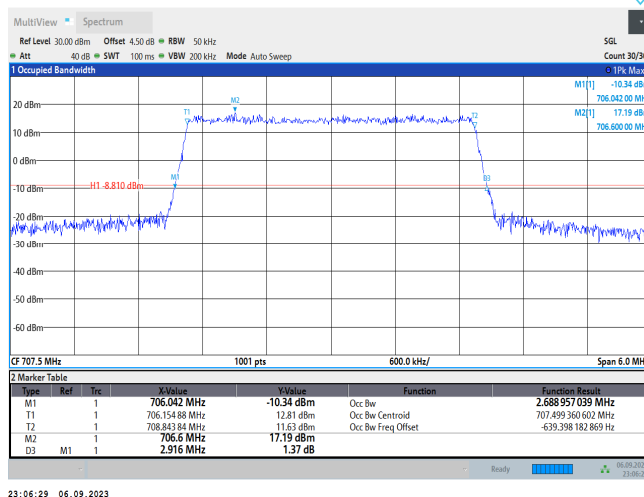


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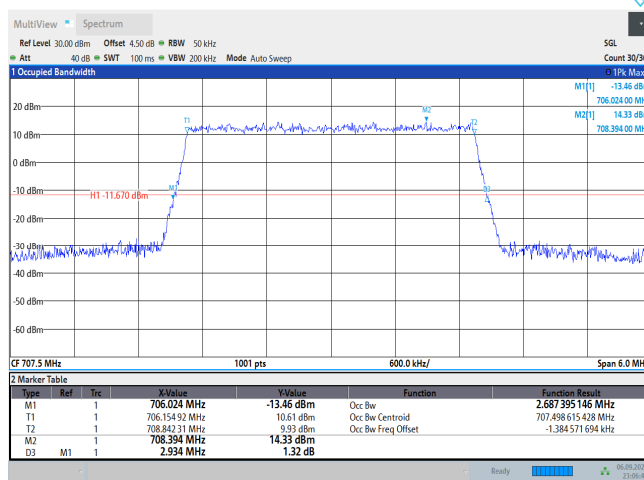
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Band12-3MHz-64QAM-23095-15RB#0



23:06:29 06.09.2023

Band12-3MHz-256QAM-23095-15RB#0



23:06:48 06.09.2023



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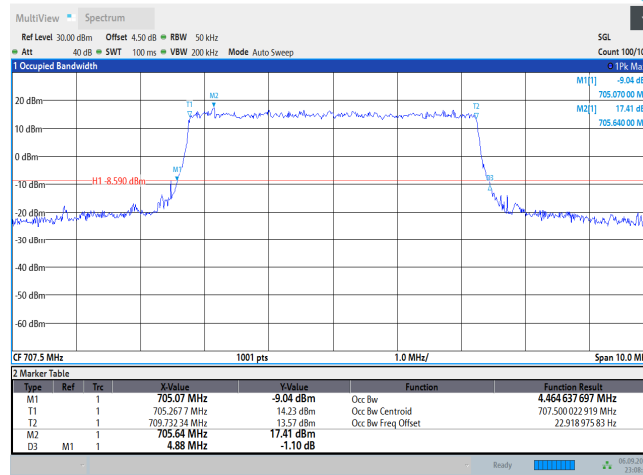
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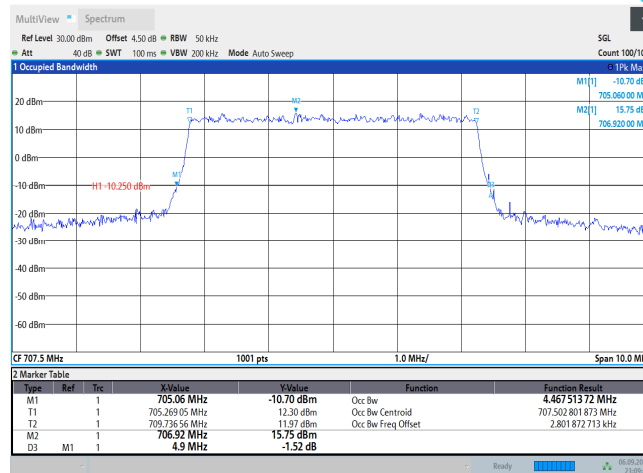
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Band12-5MHz-QPSK-23095-25RB#0



23:08:36 06.09.2023

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



23:09:02 06.09.2023



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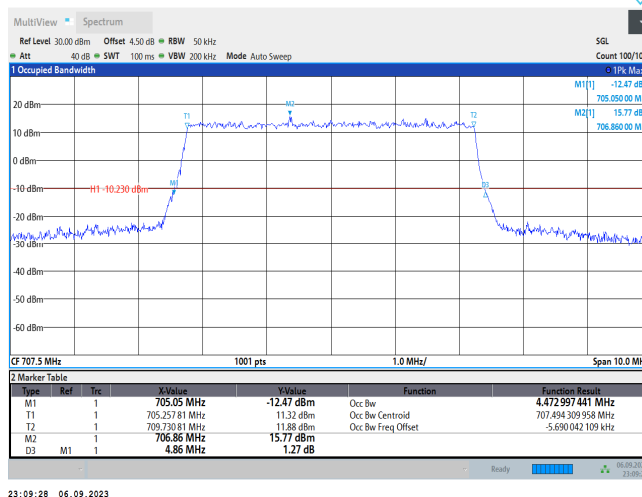
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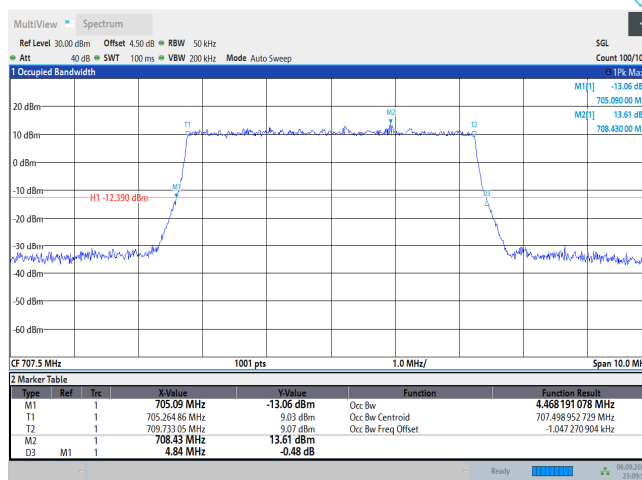
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Band12-5MHz-64QAM-23095-25RB#0



23:09:28 06.09.2023

Band12-5MHz-256QAM-23095-25RB#0



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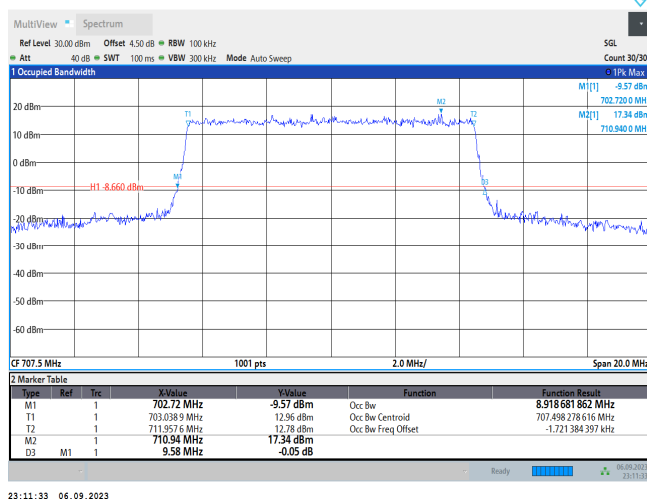
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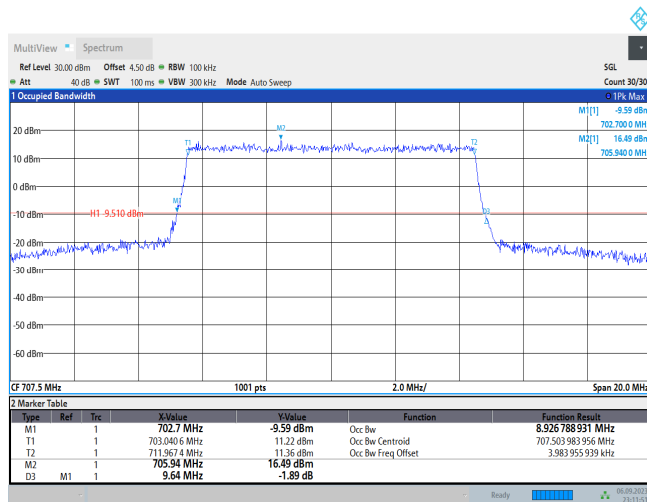
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Band12-10MHz-QPSK-23095-50RB#0



23:11:33 06.09.2023

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



23:11:52 06.09.2023



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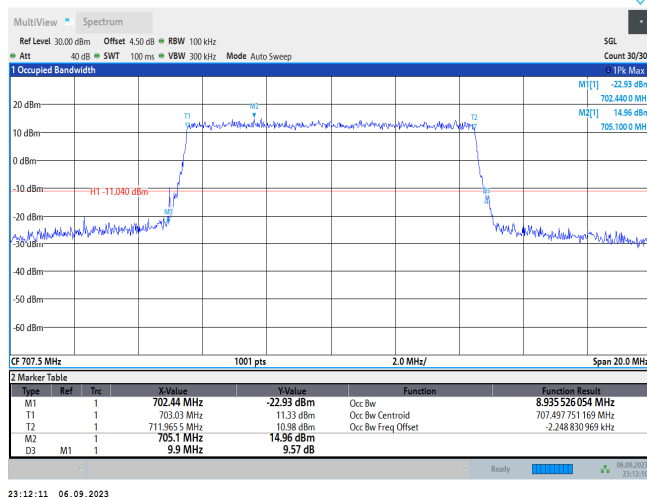
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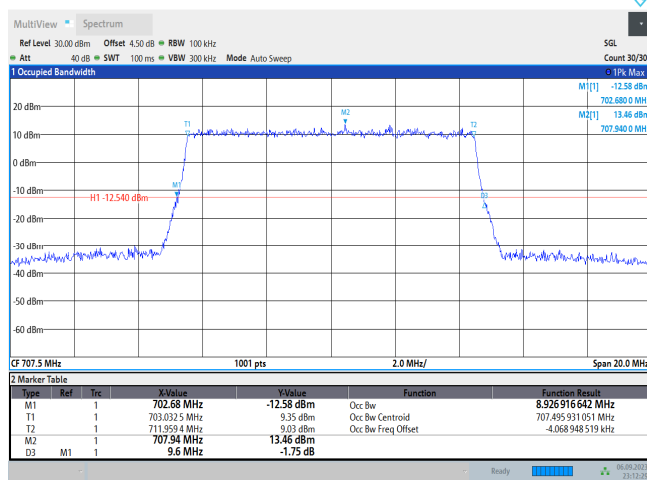
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Band12-10MHz-64QAM-23095-50RB#0



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Band12-10MHz-256QAM-23095-50RB#0



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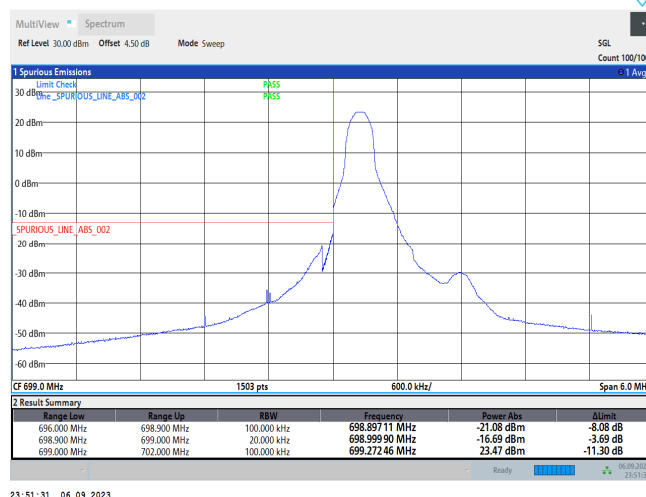
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Page: 25 of 45

Band Edge

Test Graphs

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



23:51:31 06.09.2023

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



23:54:15 06.09.2023



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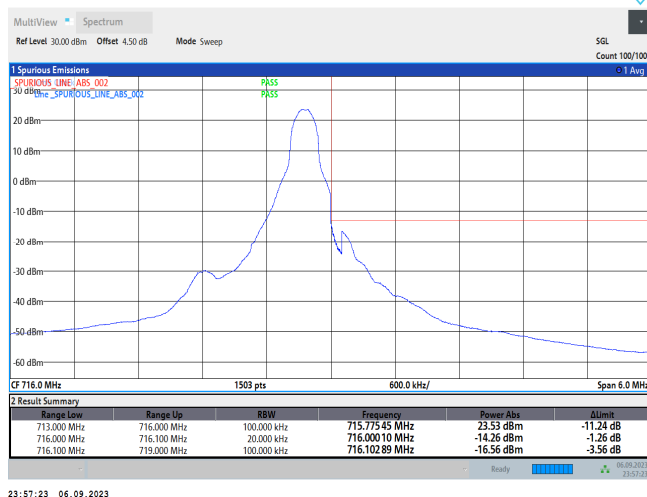
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Page: 26 of 45

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



23:57:23 06.09.2023

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



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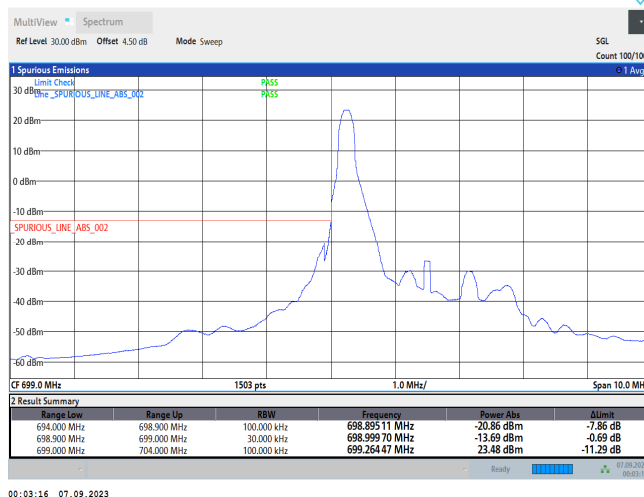
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Page: 27 of 45

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



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



00:05:59 07.09.2023



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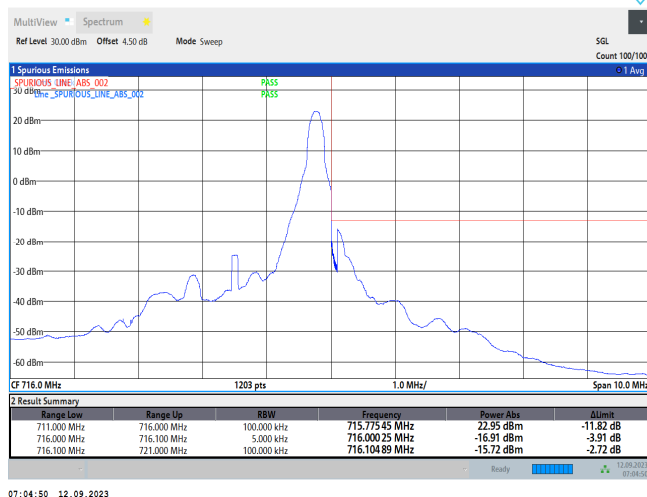
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Page: 28 of 45

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



07:04:50 12.09.2023

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



07:07:35 12.09.2023



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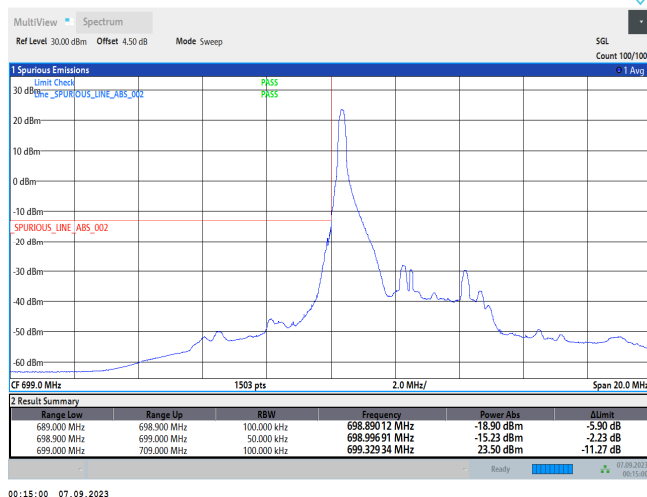
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Rev.: 01

Page: 29 of 45

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



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



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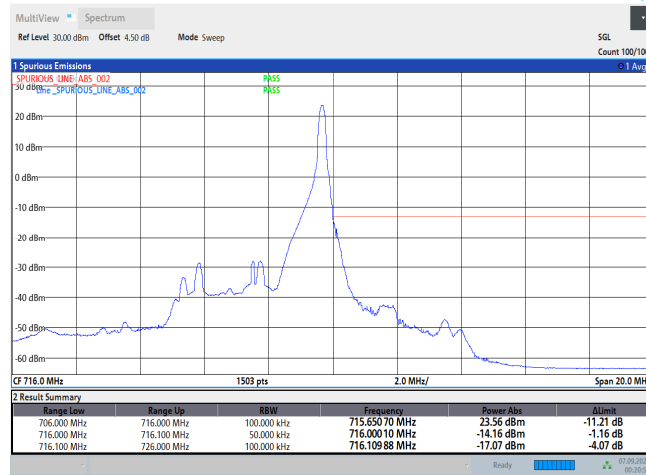
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Rev.: 01

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



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



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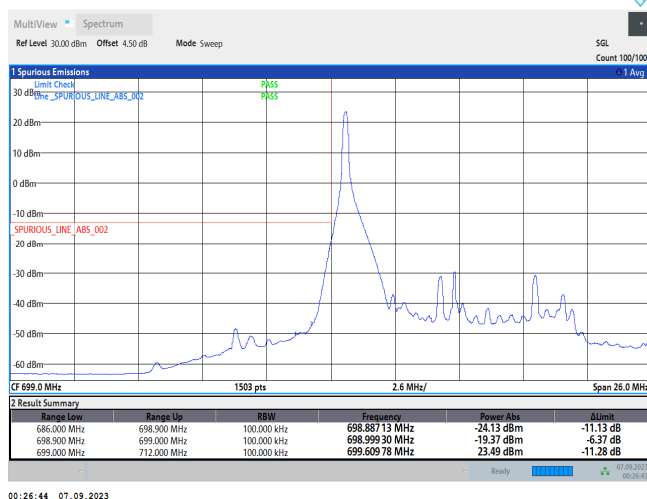
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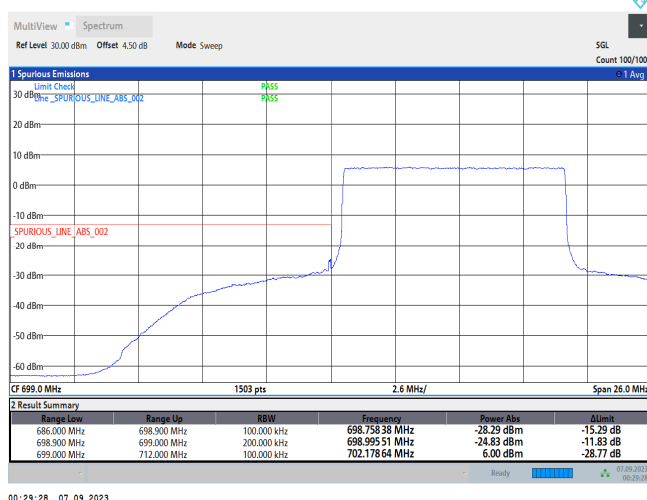
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Band12-10MHz-QPSK-23060-1RB#0



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



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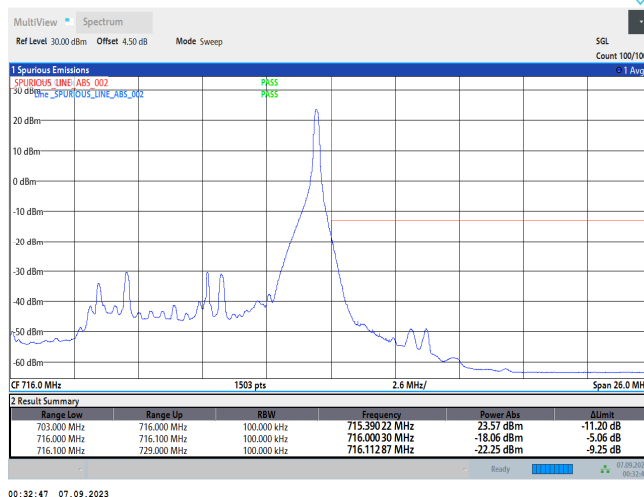
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Page: 32 of 45

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



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



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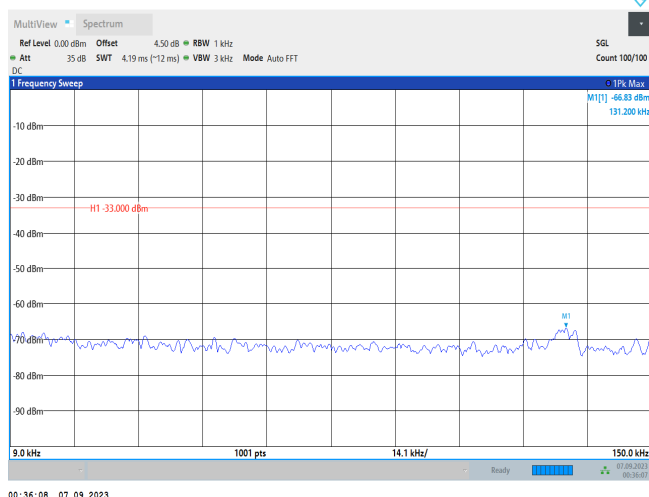
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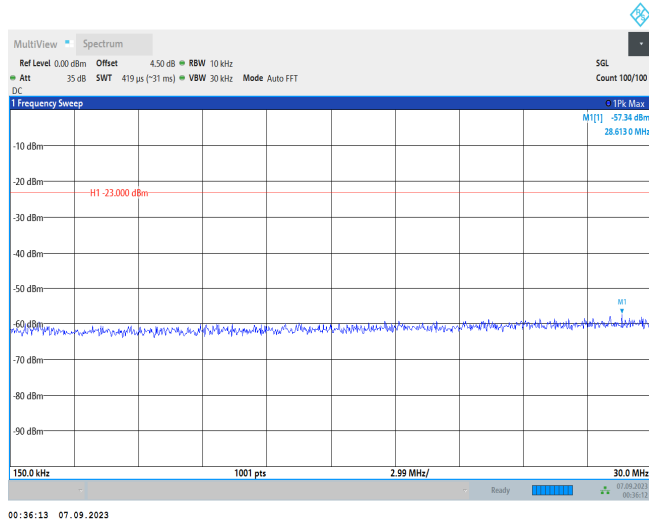
Conducted Spurious Emission

Test Graphs

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



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



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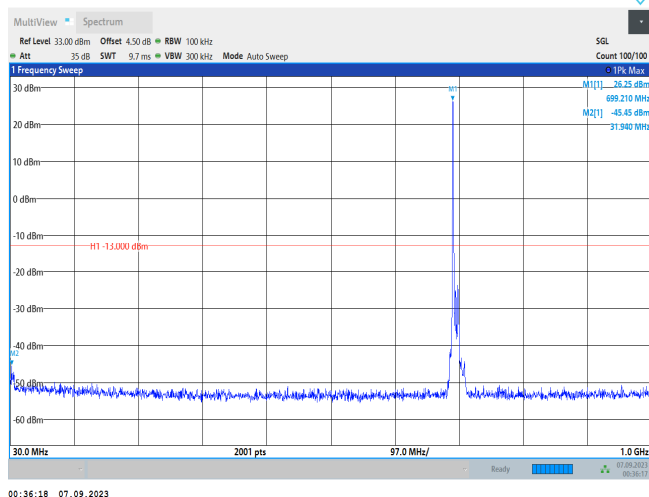
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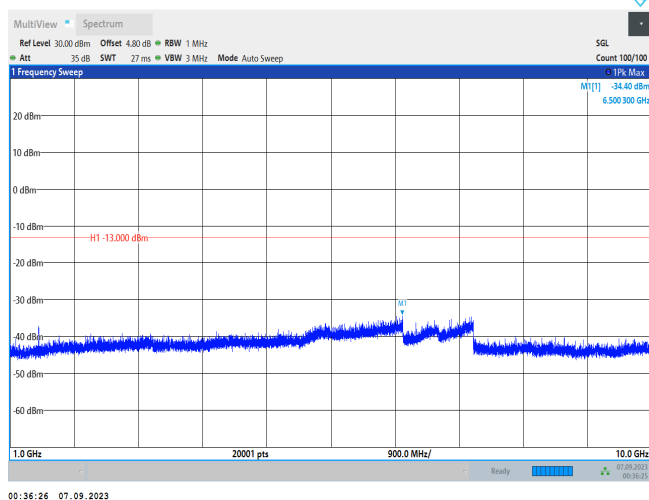
Rev.: 01

Page: 34 of 45

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



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



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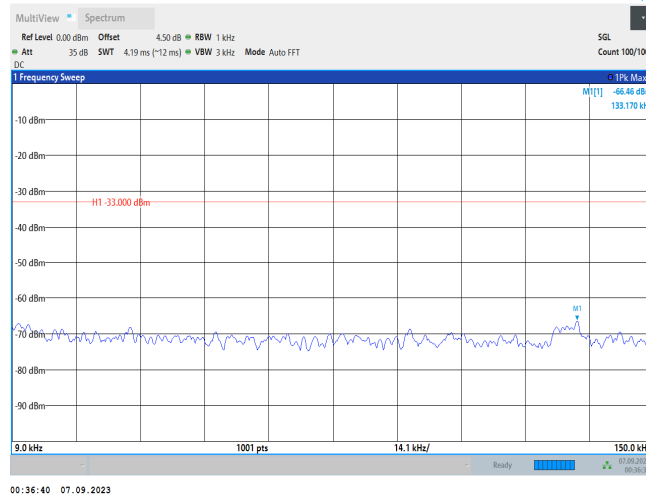
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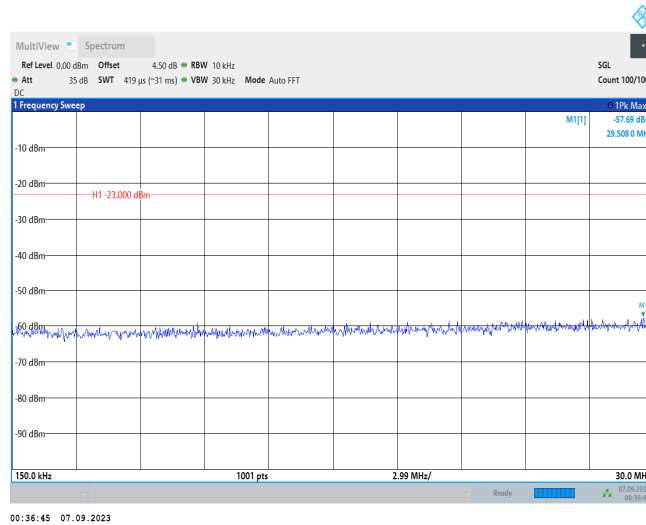
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Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



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



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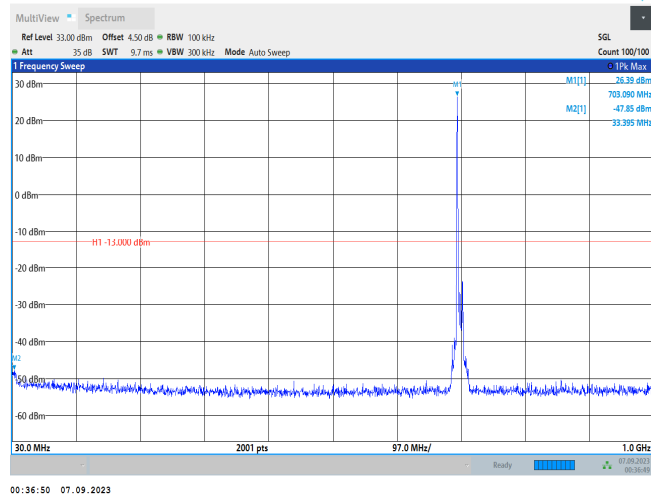
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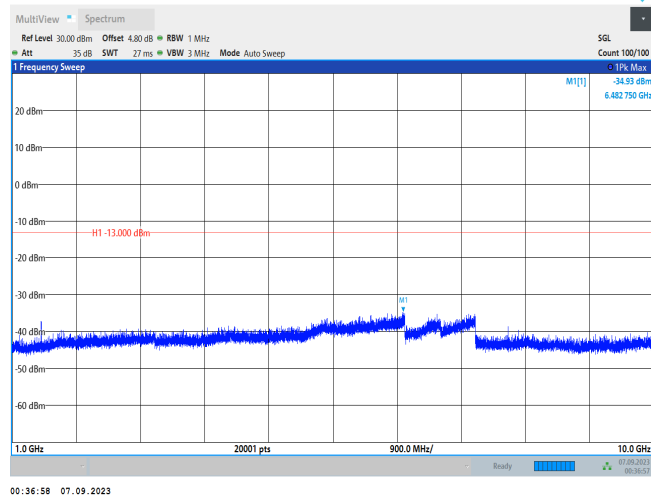
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Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



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



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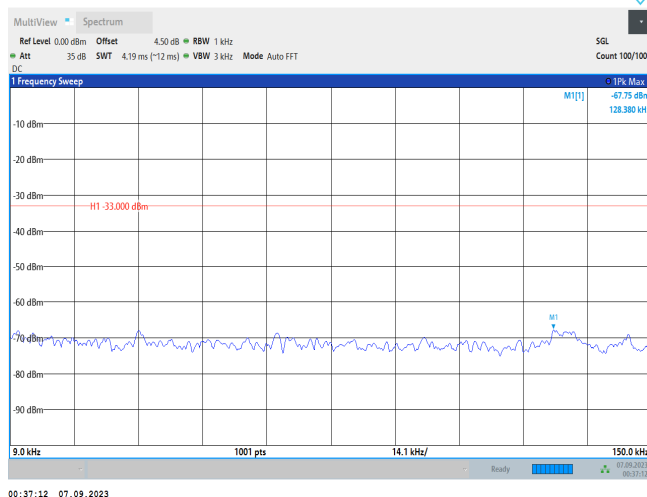
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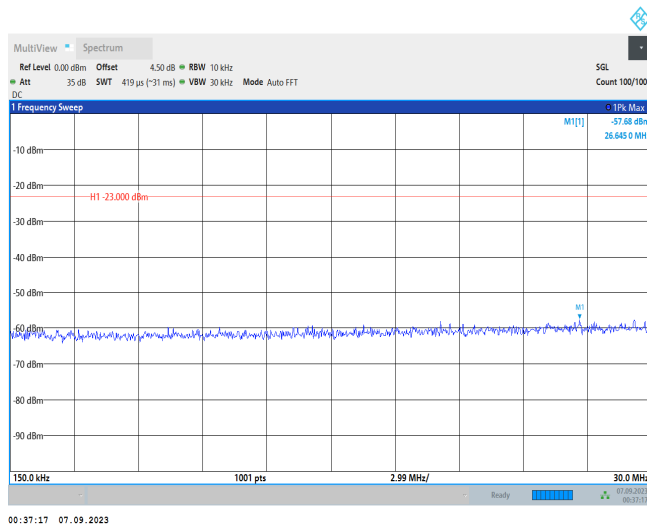
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Page: 37 of 45

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



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



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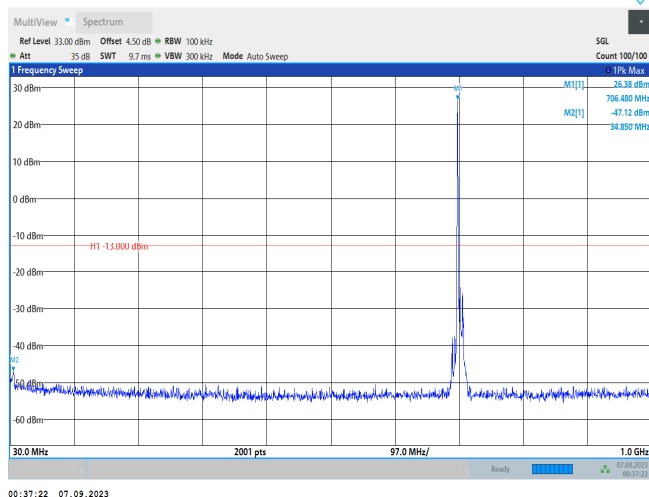
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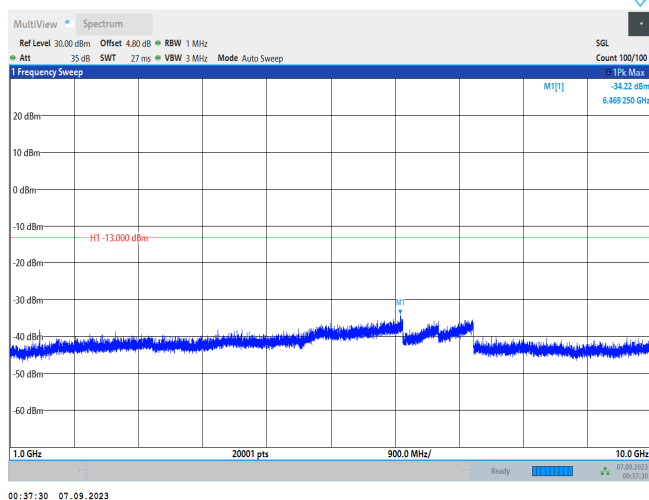
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Page: 38 of 45

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



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Rev.: 01

Page: 39 of 45

Field Strength of Spurious Radiation

Test Band = LTE Band 12_10MHz_TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	45.69	-50.01	24.30	-75.28	-13.00	62.28	Vertical
2	2098.77	45.53	-49.46	26.82	-72.37	-13.00	59.37	Vertical
3	2798.36	44.74	-48.68	28.02	-71.19	-13.00	58.19	Vertical
4	3497.95	44.95	-48.43	28.70	-70.05	-13.00	57.05	Vertical
5	4197.54	43.17	-48.36	29.76	-70.69	-13.00	57.69	Vertical
6	4897.13	43.72	-48.17	31.25	-68.45	-13.00	55.45	Vertical

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	45.12	-50.01	24.30	-75.85	-13.00	62.85	Horizontal
2	2098.77	44.57	-49.46	26.82	-73.33	-13.00	60.33	Horizontal
3	2798.36	45.39	-48.68	28.02	-70.54	-13.00	57.54	Horizontal
4	3497.95	44.85	-48.43	28.70	-70.15	-13.00	57.15	Horizontal
5	4197.54	43.78	-48.36	29.76	-70.08	-13.00	57.08	Horizontal
6	4897.13	42.96	-48.17	31.25	-69.21	-13.00	56.21	Horizontal



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 40 of 45

Test Band = LTE Band 12_10MHz_TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	45.23	-50.00	24.32	-75.70	-13.00	62.70	Vertical
2	2109.27	44.55	-49.46	26.83	-73.34	-13.00	60.34	Vertical
3	2812.36	44.13	-48.69	28.05	-71.77	-13.00	58.77	Vertical
4	3515.45	44.25	-48.44	28.72	-70.73	-13.00	57.73	Vertical
5	4218.54	43.36	-48.30	29.79	-70.40	-13.00	57.40	Vertical
6	4921.63	43.04	-48.12	31.31	-69.03	-13.00	56.03	Vertical

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	45.05	-50.00	24.32	-75.88	-13.00	62.88	Horizontal
2	2109.27	44.63	-49.46	26.83	-73.26	-13.00	60.26	Horizontal
3	2812.36	44.66	-48.69	28.05	-71.24	-13.00	58.24	Horizontal
4	3515.45	43.76	-48.44	28.72	-71.22	-13.00	58.22	Horizontal
5	4218.54	43.23	-48.30	29.79	-70.53	-13.00	57.53	Horizontal
6	4921.63	43.19	-48.12	31.31	-68.88	-13.00	55.88	Horizontal



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 41 of 45

Test Band = LTE Band 12_10MHz_TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	45.90	-49.99	24.35	-74.99	-13.00	61.99	Vertical
2	2119.77	44.21	-49.47	26.84	-73.67	-13.00	60.67	Vertical
3	2826.36	44.85	-48.71	28.08	-71.03	-13.00	58.03	Vertical
4	3532.95	44.52	-48.45	28.75	-70.44	-13.00	57.44	Vertical
5	4239.54	43.41	-48.23	29.83	-70.25	-13.00	57.25	Vertical
6	4946.13	42.74	-48.07	31.37	-69.22	-13.00	56.22	Vertical

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	45.64	-49.99	24.35	-75.25	-13.00	62.25	Horizontal
2	2119.77	44.61	-49.47	26.84	-73.27	-13.00	60.27	Horizontal
3	2826.36	44.15	-48.71	28.08	-71.73	-13.00	58.73	Horizontal
4	3532.95	43.34	-48.45	28.75	-71.62	-13.00	58.62	Horizontal
5	4239.54	43.78	-48.23	29.83	-69.88	-13.00	56.88	Horizontal
6	4946.13	42.98	-48.07	31.37	-68.98	-13.00	55.98	Horizontal



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 42 of 45

Test Band = LTE UL CA 12A-66A_ TM1
Test Channel = Low
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.58	-48.40	28.66	-70.42	-13.00	57.42	Horizontal
2	5106.27	43.84	-47.82	31.76	-67.49	-13.00	54.49	Horizontal
3	6808.36	42.82	-46.88	35.18	-64.14	-13.00	51.14	Horizontal
4	8510.45	40.53	-44.25	36.92	-62.06	-13.00	49.06	Horizontal
5	10212.54	38.04	-42.01	38.69	-60.54	-13.00	47.54	Horizontal
6	11914.63	36.58	-39.90	39.22	-59.37	-13.00	46.37	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.05	-48.40	28.66	-70.95	-13.00	57.95	Vertical
2	5106.27	43.65	-47.82	31.76	-67.68	-13.00	54.68	Vertical
3	6808.36	43.72	-46.88	35.18	-63.24	-13.00	50.24	Vertical
4	8510.45	40.96	-44.25	36.92	-61.63	-13.00	48.63	Vertical
5	10212.54	38.55	-42.01	38.69	-60.03	-13.00	47.03	Vertical
6	11914.63	37.20	-39.90	39.22	-58.75	-13.00	45.75	Vertical



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 43 of 45

Test Band = LTE UL CA 12A-66A_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.98	-48.34	28.68	-69.94	-13.00	56.94	Horizontal
2	5181.27	43.14	-47.88	31.94	-68.06	-13.00	55.06	Horizontal
3	6908.36	42.71	-46.72	35.40	-63.87	-13.00	50.87	Horizontal
4	8635.45	40.27	-44.02	37.09	-61.92	-13.00	48.92	Horizontal
5	10362.54	39.00	-41.21	38.83	-58.64	-13.00	45.64	Horizontal
6	12089.63	37.32	-39.61	39.15	-58.40	-13.00	45.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.70	-48.34	28.68	-70.22	-13.00	57.22	Vertical
2	5181.27	43.64	-47.88	31.94	-67.56	-13.00	54.56	Vertical
3	6908.36	42.61	-46.72	35.40	-63.97	-13.00	50.97	Vertical
4	8635.45	40.86	-44.02	37.09	-61.33	-13.00	48.33	Vertical
5	10362.54	37.88	-41.21	38.83	-59.76	-13.00	46.76	Vertical
6	12089.63	37.84	-39.61	39.15	-57.88	-13.00	44.88	Vertical



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 44 of 45

Test Band = LTE UL CA 12A-66A_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	44.18	-48.29	28.71	-70.66	-13.00	57.66	Horizontal
2	5256.27	44.29	-47.83	32.12	-66.68	-13.00	53.68	Horizontal
3	7008.36	42.96	-46.53	35.62	-63.21	-13.00	50.21	Horizontal
4	8760.45	40.84	-44.04	37.27	-61.20	-13.00	48.20	Horizontal
5	10512.54	37.91	-40.73	38.96	-59.12	-13.00	46.12	Horizontal
6	12262.63	36.86	-39.76	39.04	-59.12	-13.00	46.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	43.91	-48.29	28.71	-70.93	-13.00	57.93	Vertical
2	5256.27	44.24	-47.83	32.12	-66.73	-13.00	53.73	Vertical
3	7008.36	43.21	-46.53	35.62	-62.96	-13.00	49.96	Vertical
4	8760.45	41.14	-44.04	37.27	-60.90	-13.00	47.90	Vertical
5	10512.54	38.40	-40.73	38.96	-58.63	-13.00	45.63	Vertical
6	12262.63	37.54	-39.76	39.04	-58.44	-13.00	45.44	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Report No.: SEWM2308000314RG01

Rev.: 01

Page: 45 of 45

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	-2.70	-0.003816	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.70	-0.000989	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	1.20	0.001696	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.90	-0.001272	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.70	-0.002403	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.50	-0.002120	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-1.80	-0.002544	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.70	-0.000989	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.80	0.001131	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.80	-0.005371	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-3.80	-0.005371	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.50	-0.002120	PASS

---End of Attachment---



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