



Report No.: XEWM2309000451RG01

Rev.: 01

Page: 1 of 61

Appendix B.7

LTE Band 12



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 2 of 61

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	23.38	17.13	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.50	17.25	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.42	17.17	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.40	16.15	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.48	17.23	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.46	17.21	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.46	17.21	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.44	16.19	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.41	17.16	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.40	17.15	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.42	17.17	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.37	16.12	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.57	16.32	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.67	16.42	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.50	16.25	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.48	15.23	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.65	16.40	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.59	16.34	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.75	16.50	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.54	15.29	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.50	16.25	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.54	16.29	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.47	16.22	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.46	15.21	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.56	15.31	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.53	15.28	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.51	15.26	34.77	PASS



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 3 of 61

Band12	1.4MHz	64QAM	23017	6RB#0	20.37	14.12	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.59	15.34	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.69	15.44	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.61	15.36	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.38	14.13	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.55	15.30	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.44	15.19	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.49	15.24	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.32	14.07	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.43	17.18	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.42	17.17	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.50	17.25	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.41	16.16	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.56	17.31	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.48	17.23	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.43	17.18	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.39	16.14	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.40	17.15	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.39	17.14	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.32	17.07	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.32	16.07	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.67	16.42	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.65	16.40	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.59	16.34	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.43	15.18	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.73	16.48	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.78	16.53	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.61	16.36	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.42	15.17	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.66	16.41	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.50	16.25	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.42	16.17	34.77	PASS



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 4 of 61

Band12	3MHz	16QAM	23165	15RB#0	21.31	15.06	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.59	15.34	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.55	15.30	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.52	15.27	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.41	14.16	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.68	15.43	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.61	15.36	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.61	15.36	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.40	14.15	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.51	15.26	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.43	15.18	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.35	15.10	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.30	14.05	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.48	17.23	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.54	17.29	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.56	17.31	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.39	16.14	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.47	17.22	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.51	17.26	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.47	17.22	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.39	16.14	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.44	17.19	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.43	17.18	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.41	17.16	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.34	16.09	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.76	16.51	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.69	16.44	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.72	16.47	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.40	15.15	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.67	16.42	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.76	16.51	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.58	16.33	34.77	PASS



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 5 of 61

Band12	5MHz	16QAM	23095	25RB#0	21.41	15.16	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.67	16.42	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.51	16.26	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.52	16.27	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.36	15.11	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.57	15.32	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.61	15.36	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.62	15.37	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.40	14.15	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.59	15.34	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.61	15.36	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.56	15.31	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.39	14.14	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.59	15.34	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.54	15.29	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.47	15.22	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.34	14.09	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.53	17.28	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.55	17.30	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.48	17.23	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.49	16.24	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.52	17.27	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.56	17.31	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.46	17.21	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.47	16.22	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.52	17.27	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.52	17.27	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.39	17.14	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.37	16.12	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.64	16.39	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.74	16.49	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.59	16.34	34.77	PASS



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 6 of 61

Band12	10MHz	16QAM	23060	50RB#0	21.47	15.22	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.62	16.37	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.78	16.53	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.68	16.43	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.46	15.21	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.65	16.40	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.74	16.49	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.56	16.31	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.28	15.03	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.65	15.40	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.57	15.32	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.52	15.27	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.50	14.25	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.63	15.38	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.58	15.33	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.54	15.29	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.47	14.22	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.61	15.36	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.47	15.22	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.41	15.16	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.34	14.09	34.77	PASS



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Rev.: 01
Page: 7 of 61

Peak-to-Average Ratio(CCDF)

Test Result

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Band12	10MHz	QPSK	23060	50RB#0	5.34	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.24	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.10	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.16	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.20	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.56	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.56	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.60	13	PASS



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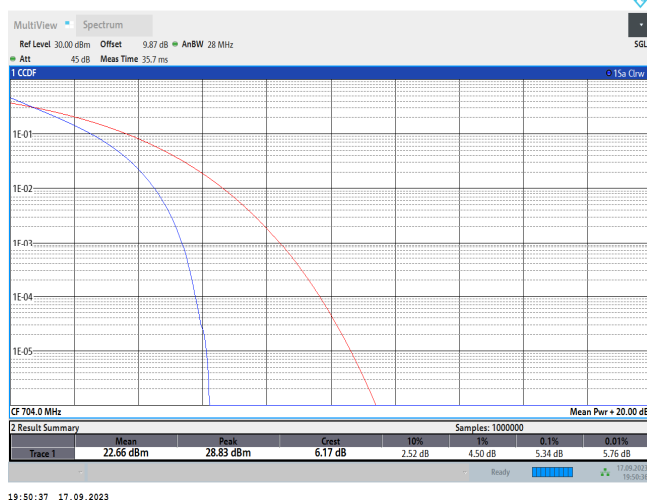
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Rev.: 01

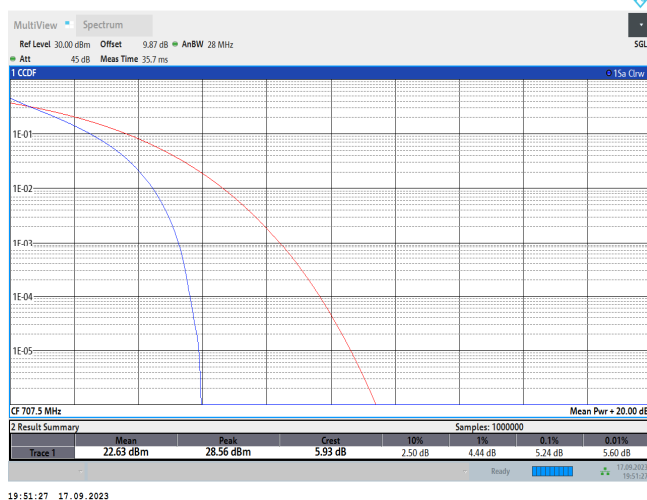
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Test Graphs

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



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

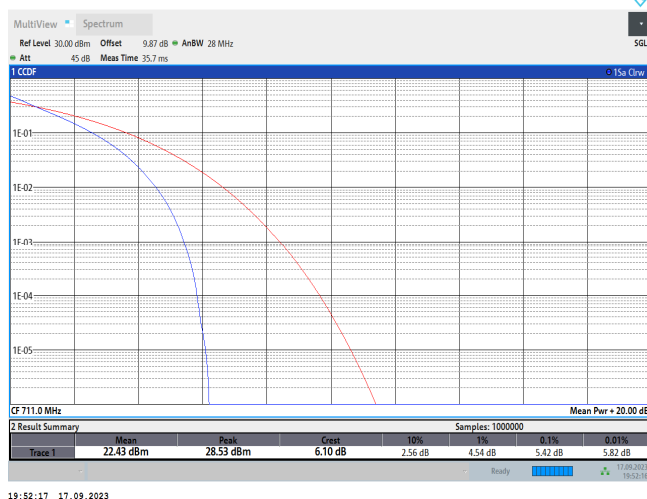


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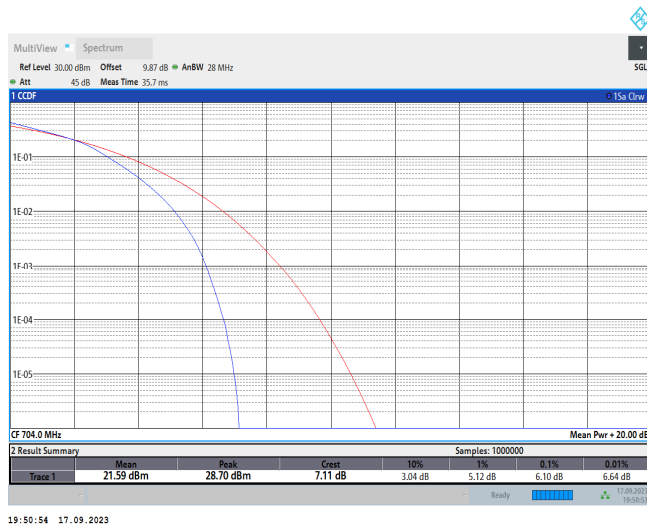
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Page: 9 of 61

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



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



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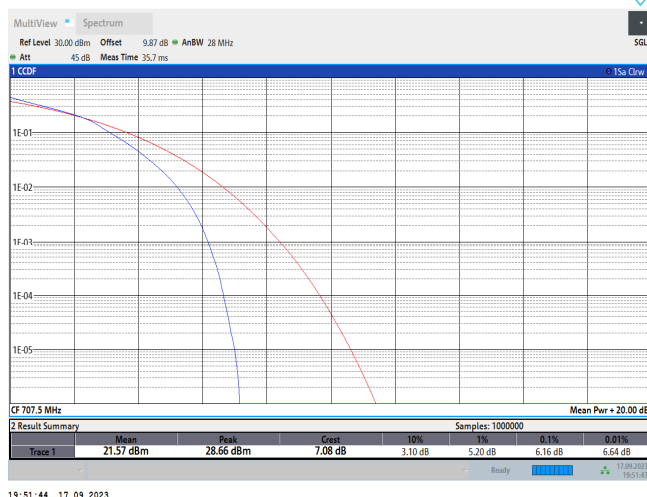


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Band12-10MHz-16QAM-23095-50RB#0



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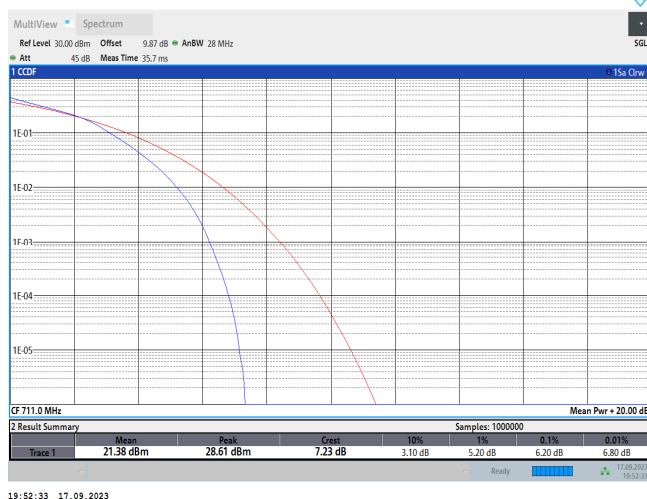
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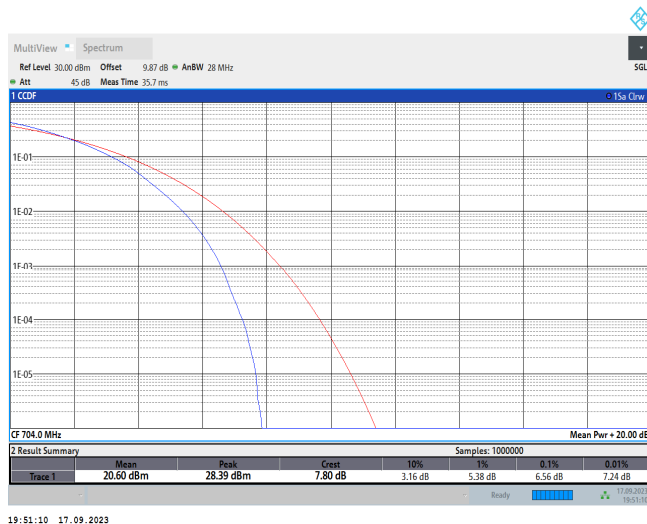
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Band12-10MHz-16QAM-23130-50RB#0



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



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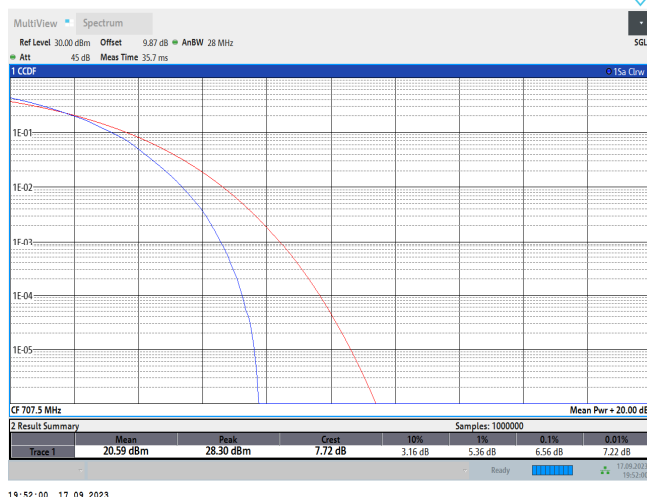
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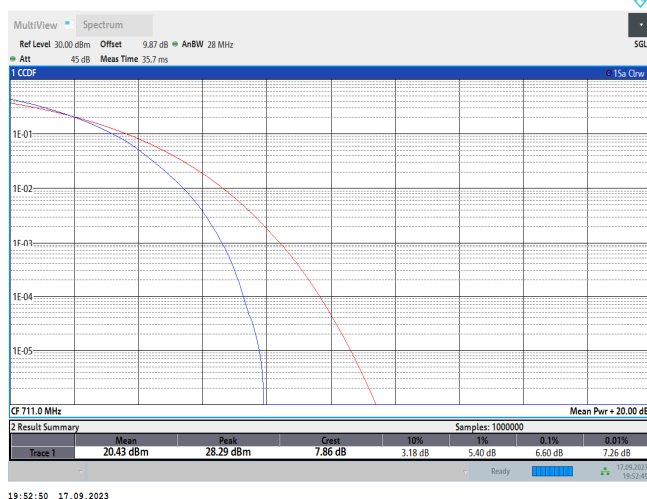
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Page: 12 of 61

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



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



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Rev.: 01

Page: 13 of 61

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	1.086	1.28	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.086	1.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.086	1.28	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.096	1.31	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.095	1.31	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.098	1.31	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.096	1.30	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.096	1.30	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.096	1.30	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.687	2.91	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.685	2.92	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.691	2.90	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.681	2.93	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.682	2.92	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.682	2.92	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.684	2.91	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.683	2.92	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.683	2.90	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	4.83	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.469	4.85	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.465	4.83	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.464	4.87	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.467	4.88	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.466	4.86	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.468	4.87	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.477	4.88	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.472	4.85	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.93	9.60	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.935	9.62	PASS



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Rev.: 01

Page: 14 of 61

Band12	10MHz	QPSK	23130	50RB#0	8.921	9.56	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.912	9.60	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.93	9.58	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.904	9.58	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.925	9.62	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.942	9.62	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.921	9.62	PASS



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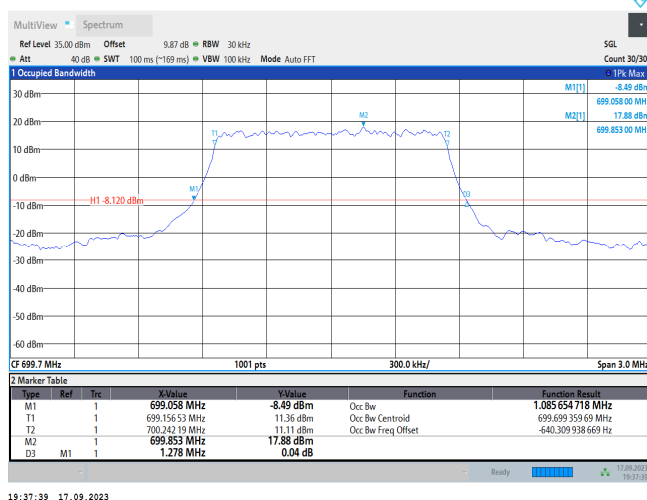
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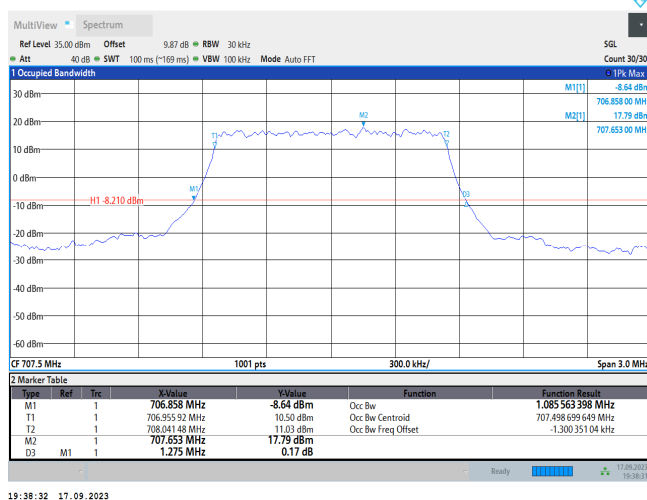
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Test Graphs

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



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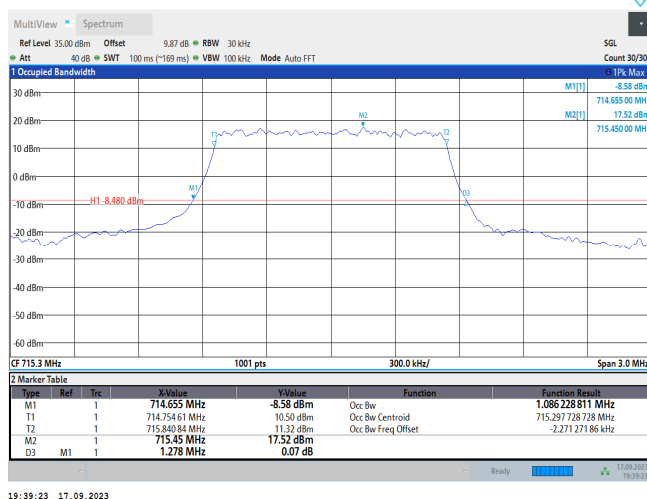


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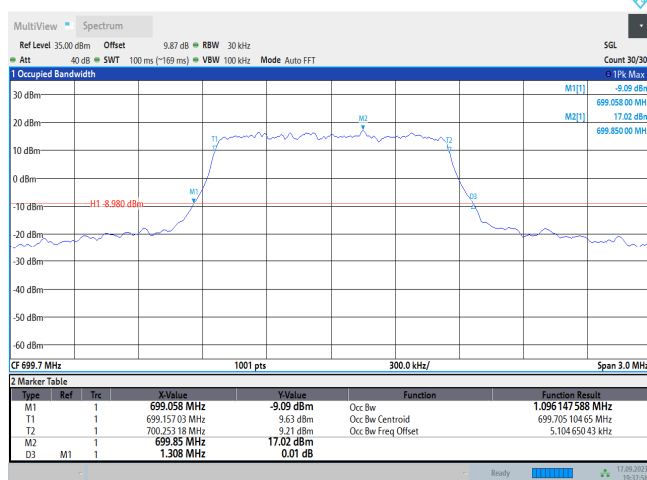
Page: 16 of 61

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



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



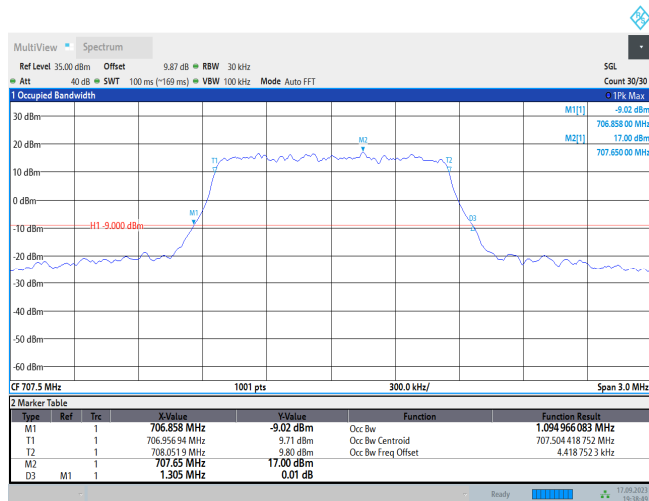
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Page: 17 of 61

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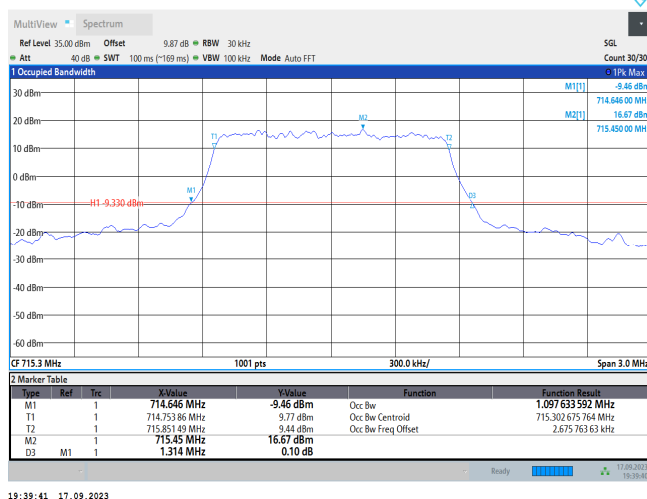
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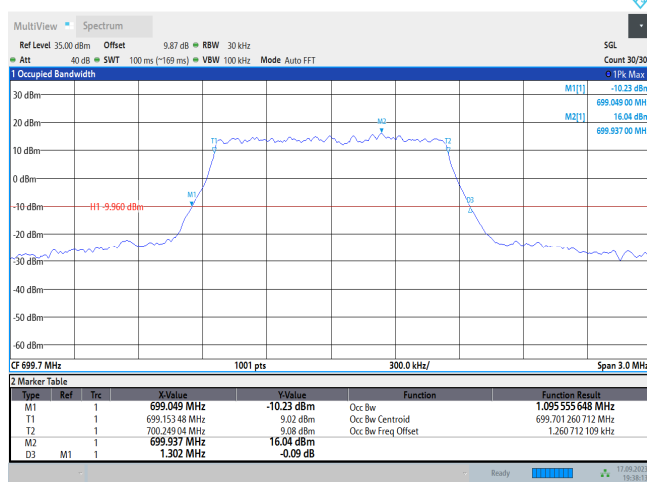
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Band12-1.4MHz-16QAM-23173-6RB#0



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



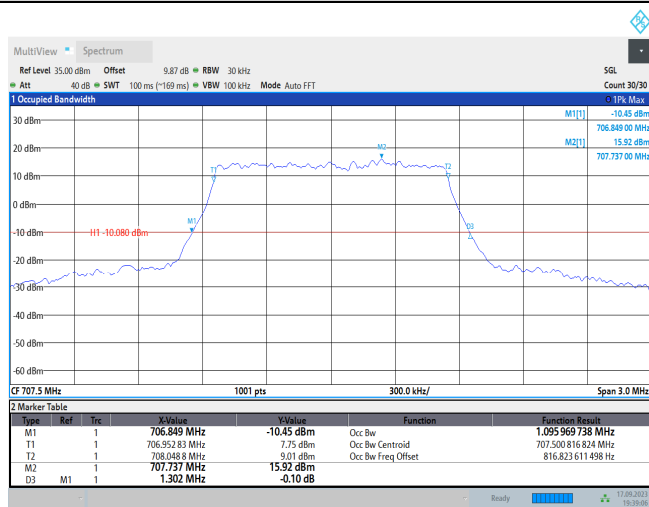
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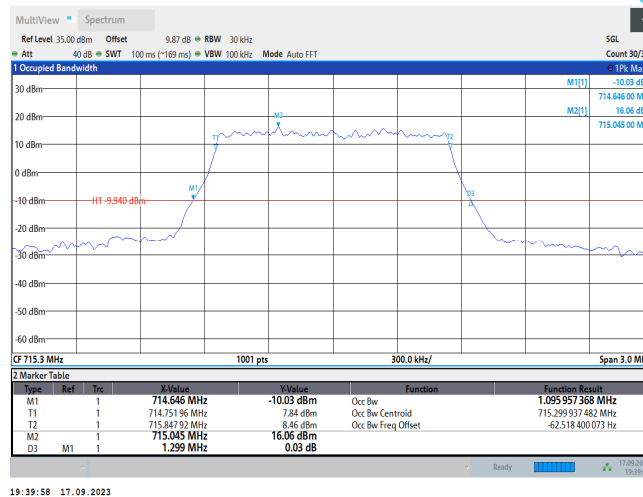
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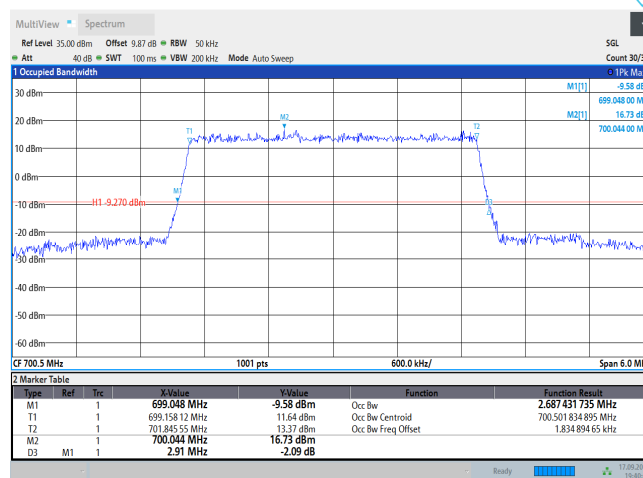
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Band12-1.4MHz-64QAM-23173-6RB#0



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



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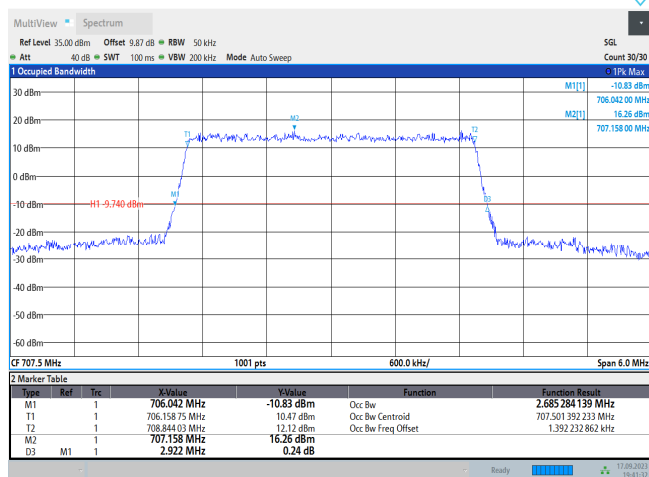


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Rev.: 01

Page: 21 of 61

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



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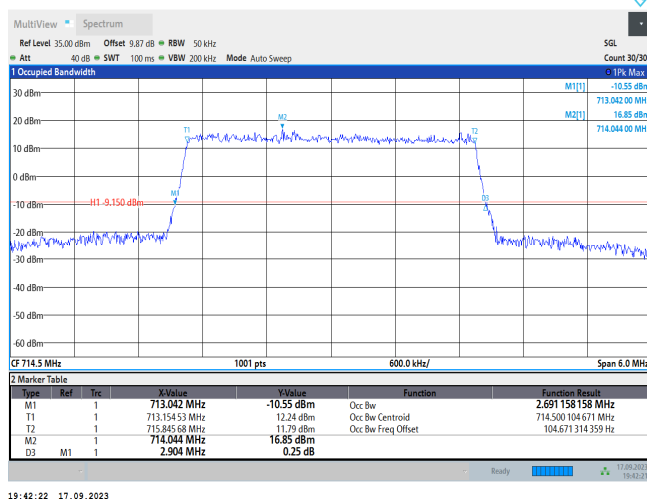


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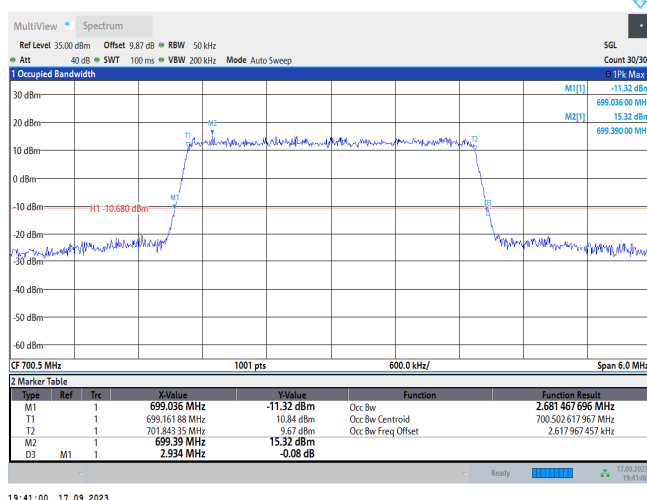
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Band12-3MHz-QPSK-23165-15RB#0



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



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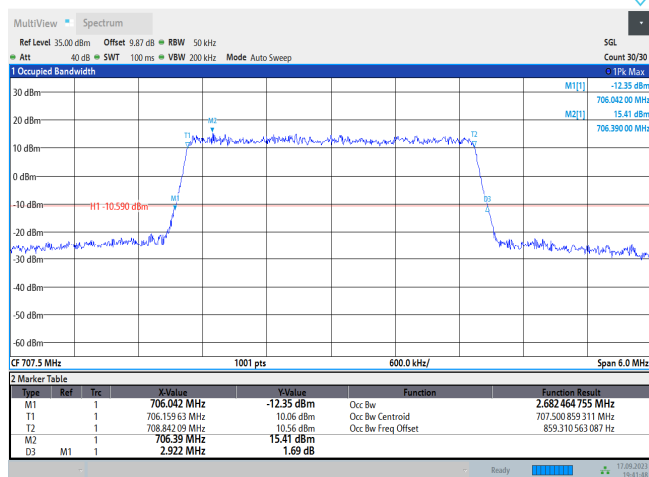
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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 23 of 61

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



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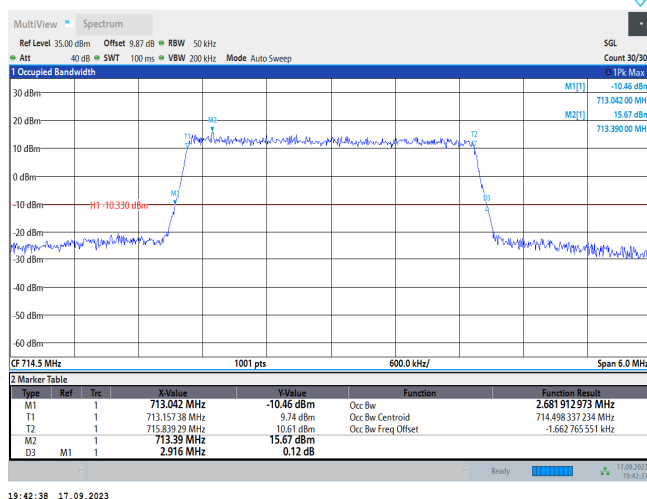
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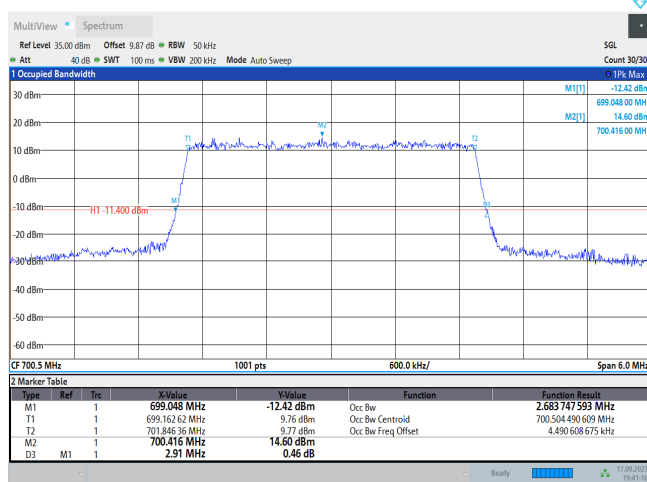
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Band12-3MHz-16QAM-23165-15RB#0



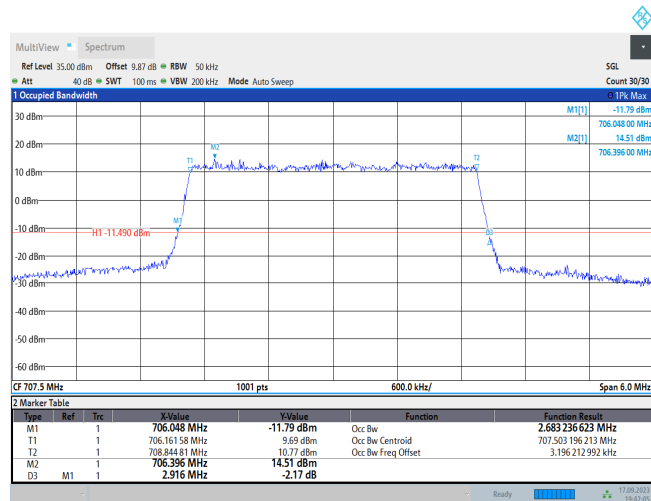
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Band12-3MHz-64QAM-23025-15RB#0



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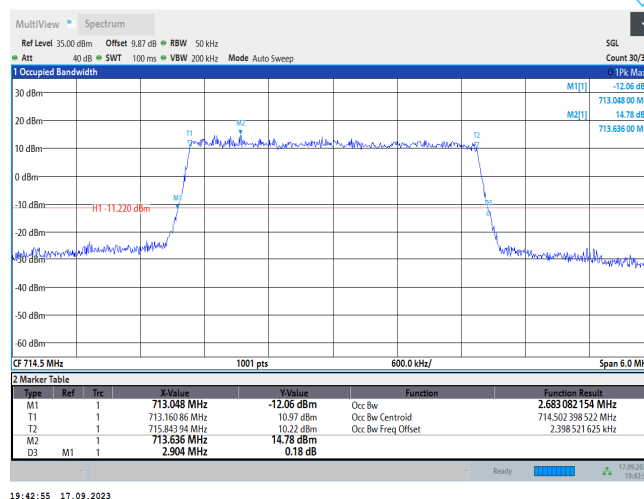


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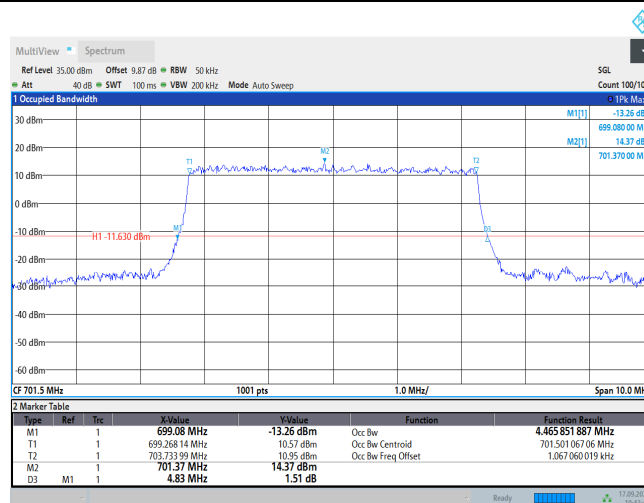
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Band12-3MHz-64QAM-23165-15RB#0



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



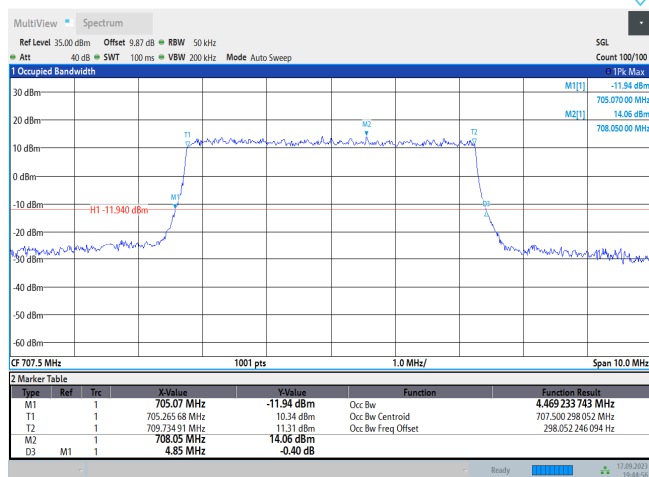
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Band12-5MHz-QPSK-23095-25RB#0



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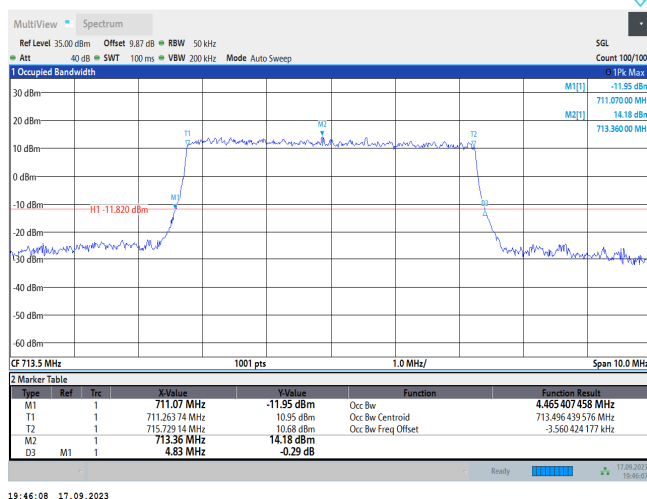
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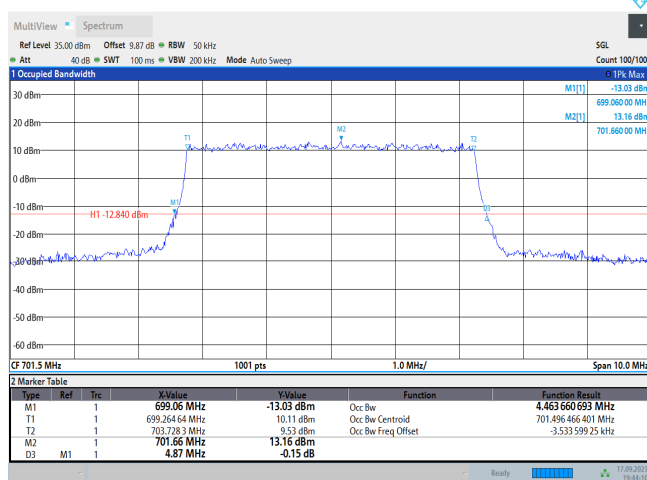
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Band12-5MHz-QPSK-23155-25RB#0



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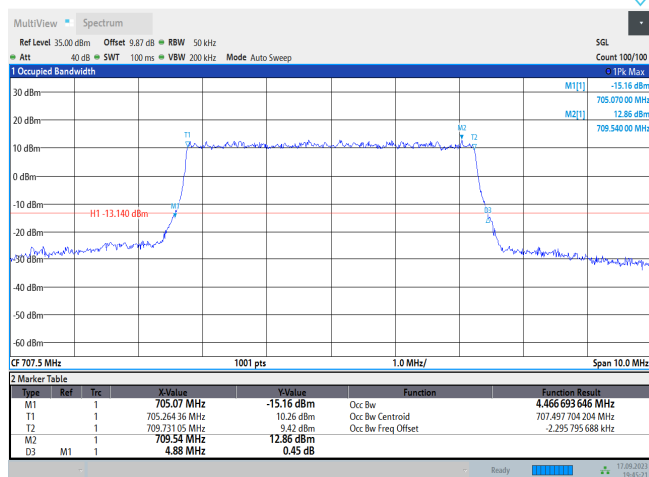


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Band12-5MHz-16QAM-23095-25RB#0



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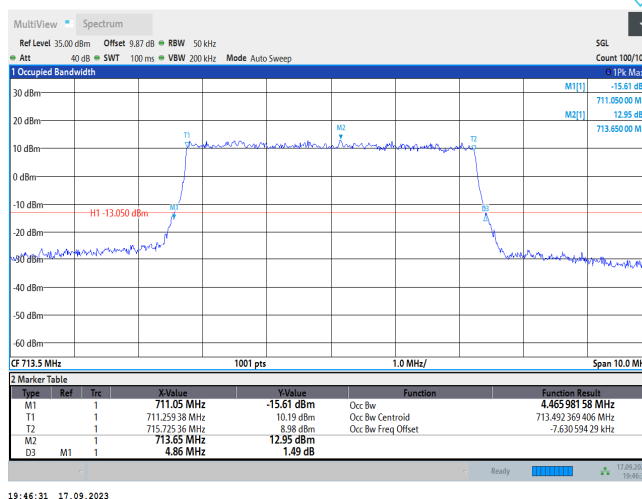
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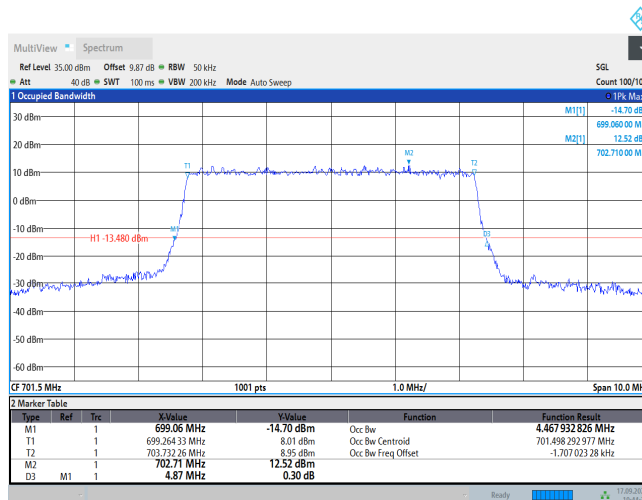
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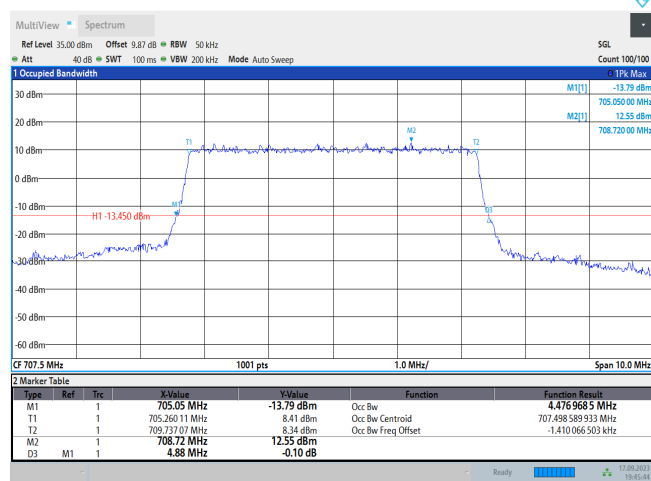
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Band12-5MHz-64QAM-23095-25RB#0

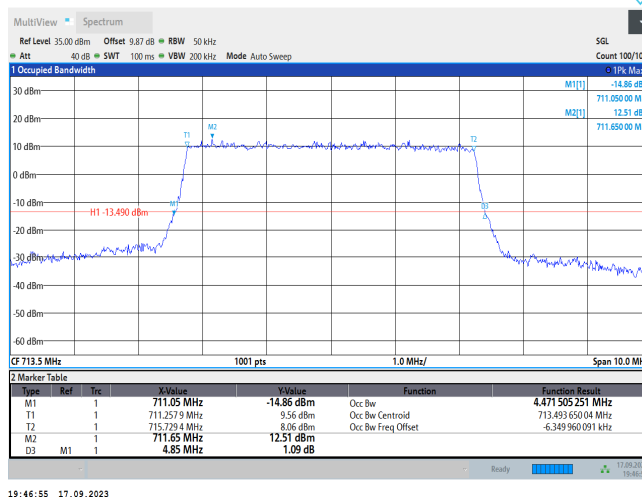


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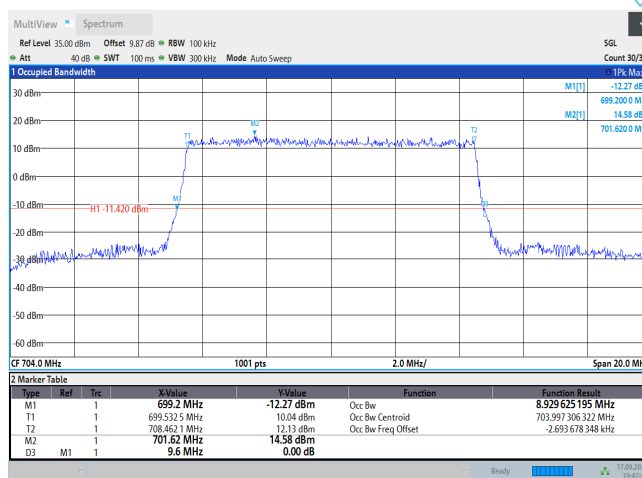
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Band12-5MHz-64QAM-23155-25RB#0



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



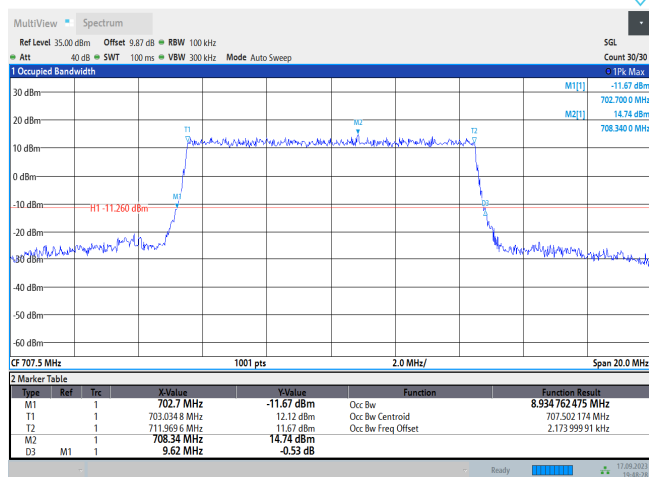
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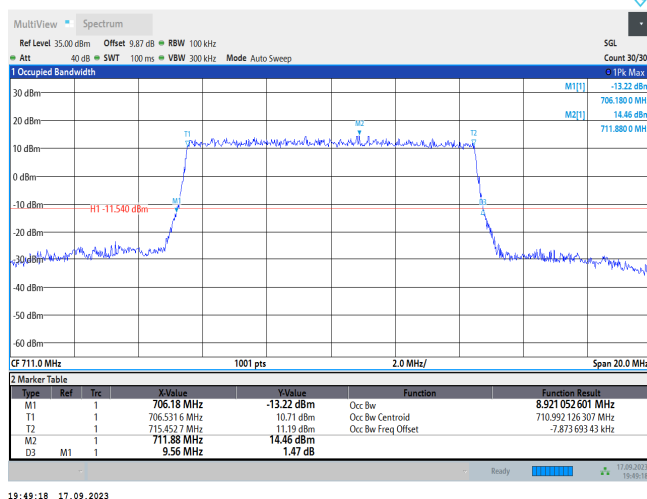
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Band12-10MHz-QPSK-23095-50RB#0

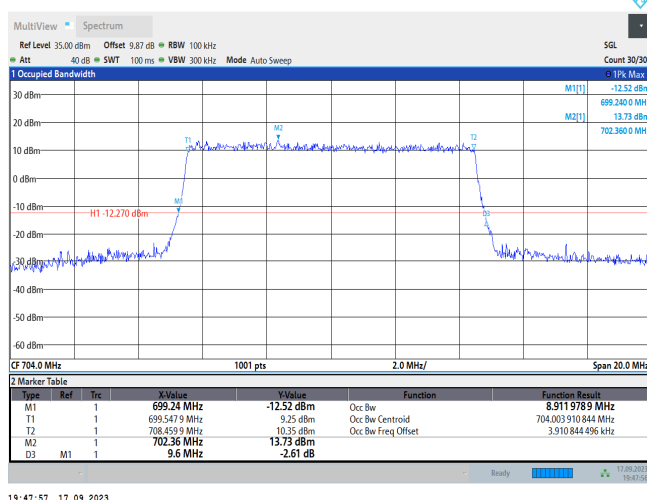


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Band12-10MHz-QPSK-23130-50RB#0



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



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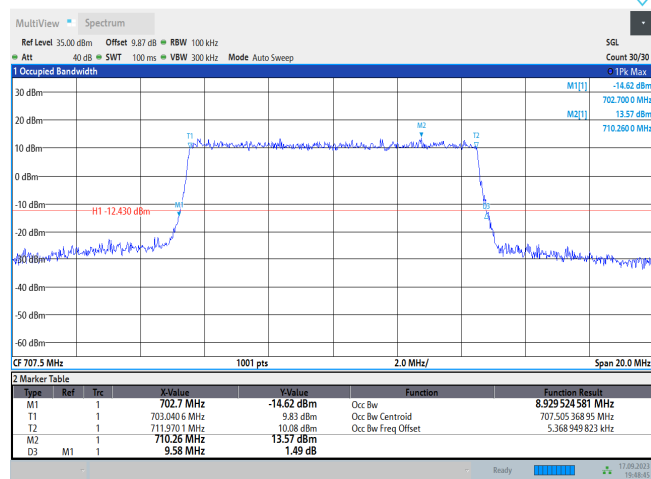


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Band12-10MHz-16QAM-23095-50RB#0



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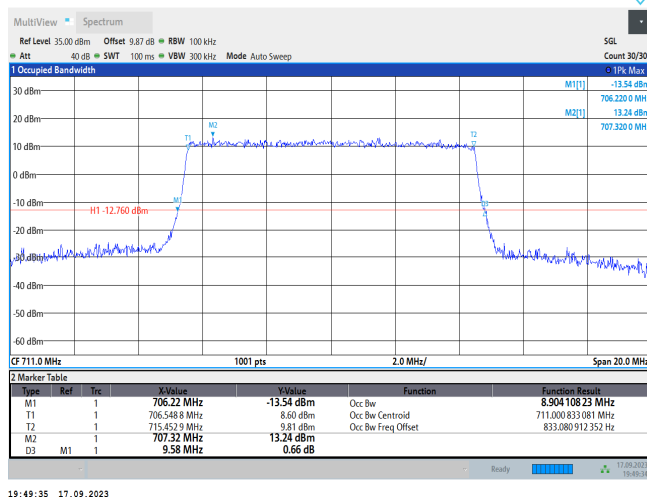
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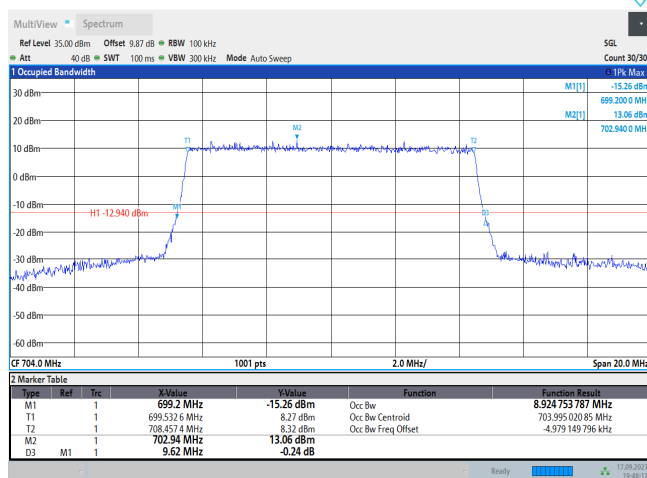
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Band12-10MHz-16QAM-23130-50RB#0



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



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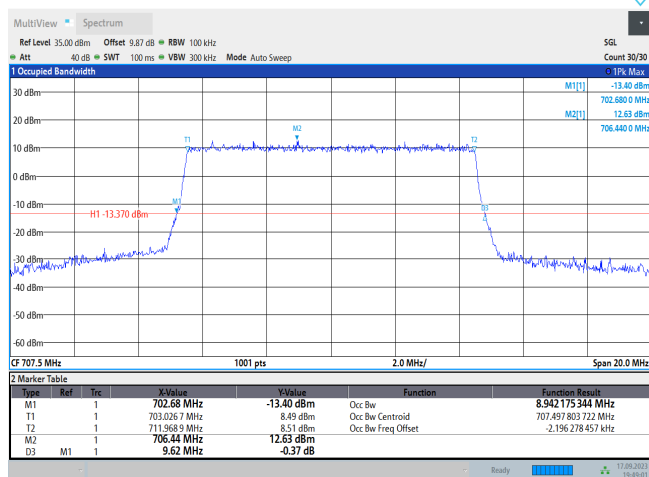
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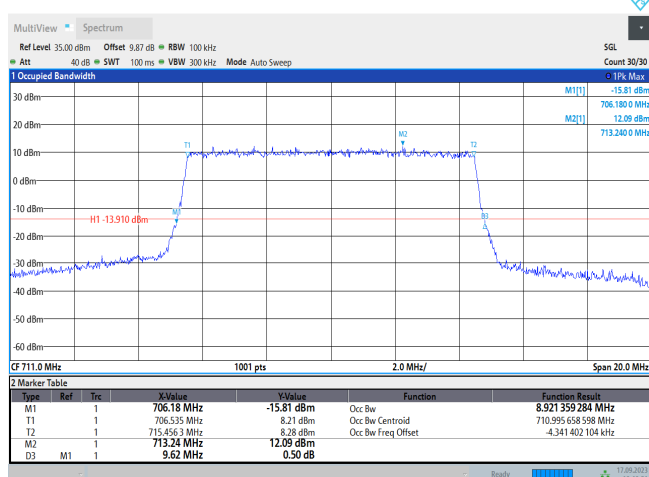
Page: 37 of 61

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



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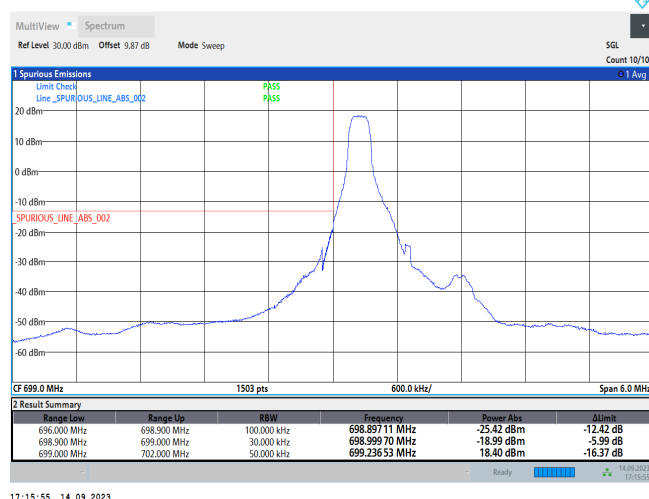
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Page: 38 of 61

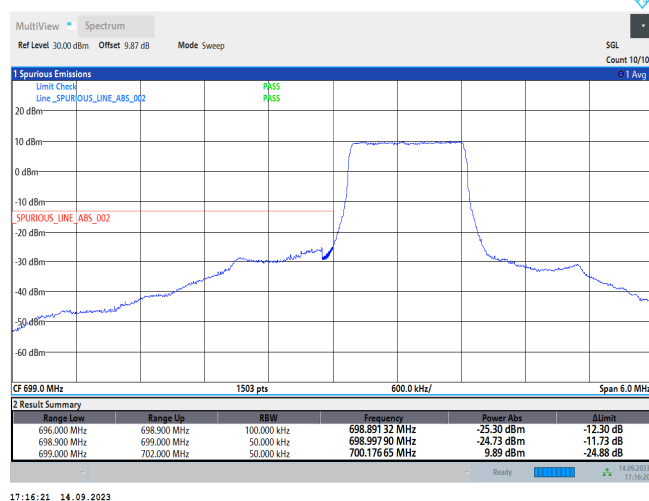
Band Edge

Test Graphs

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



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



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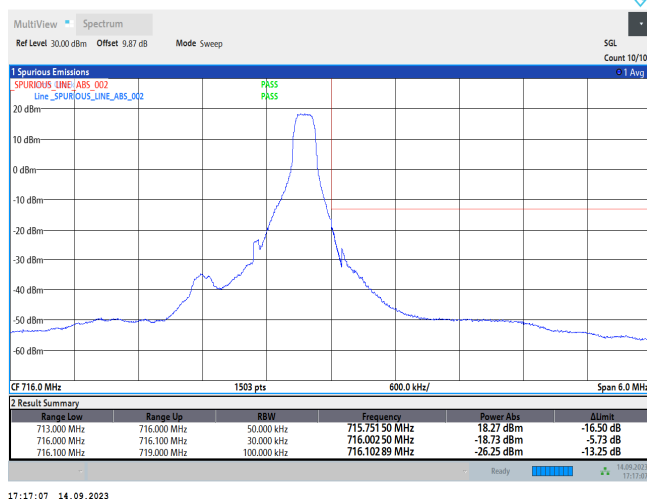
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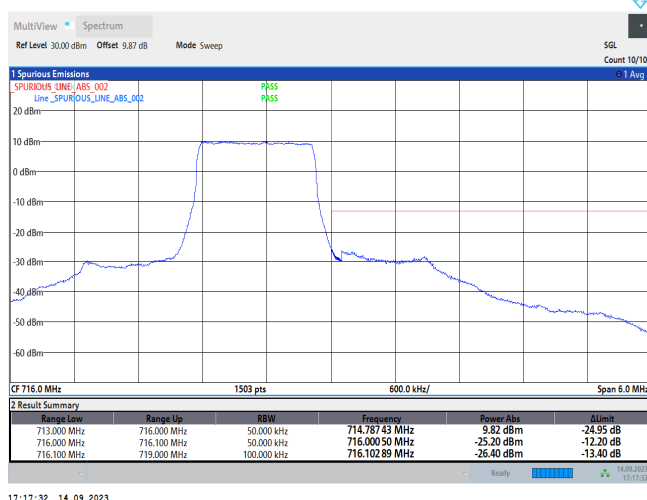
Rev.: 01

Page: 39 of 61

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



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

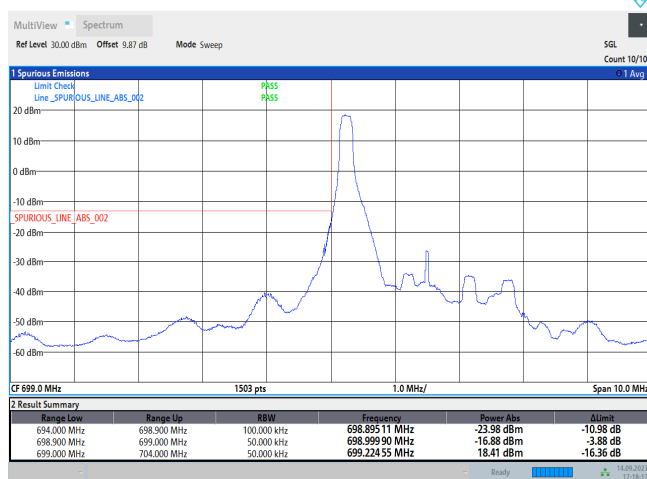


Report No.: XEWM2309000451RG01

Rev.: 01

Page: 40 of 61

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



17:18:17 14.09.2023



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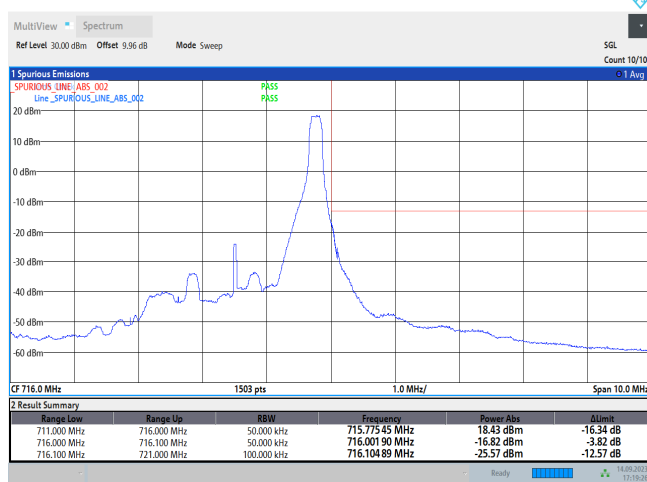
Page: 41 of 61

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



17:18:43 14.09.2023

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



17:19:27 14.09.2023

Report No.: XEWM2309000451RG01

Rev.: 01

Page: 42 of 61

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

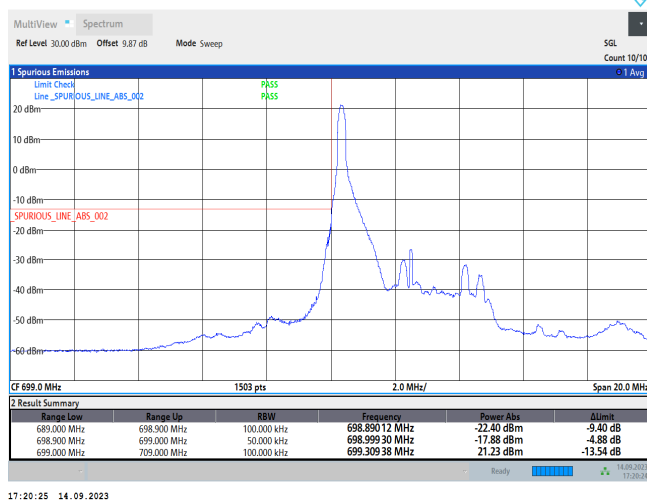


Report No.: XEWM2309000451RG01

Rev.: 01

Page: 43 of 61

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



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



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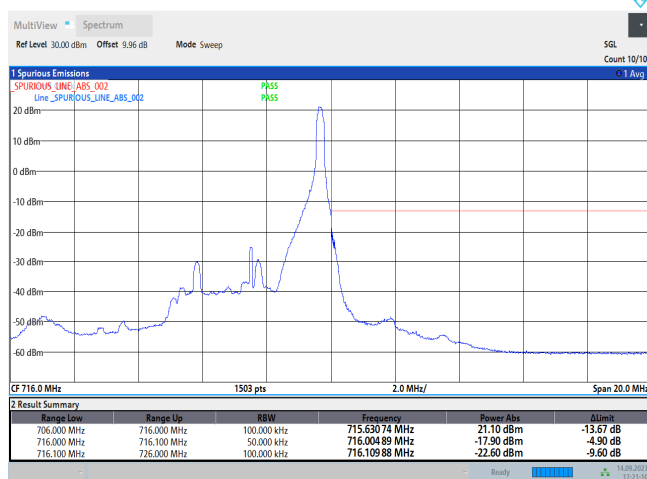
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Band12-5MHz-QPSK-23155-1RB#24



17:21:11 14.09.2023



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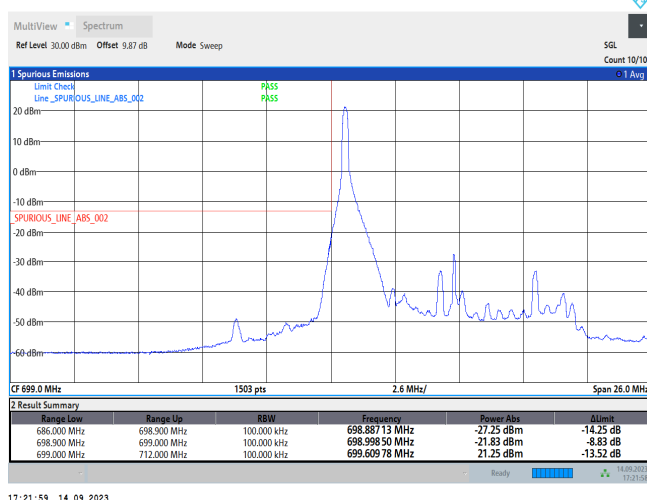
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Page: 45 of 61

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



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

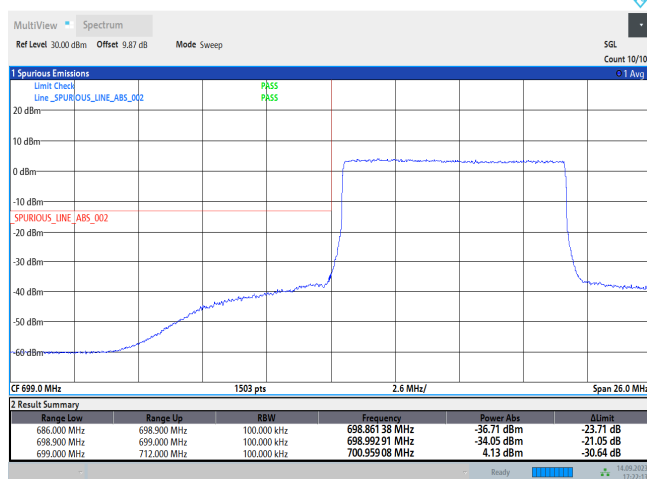


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Band12-10MHz-QPSK-23060-50RB#0



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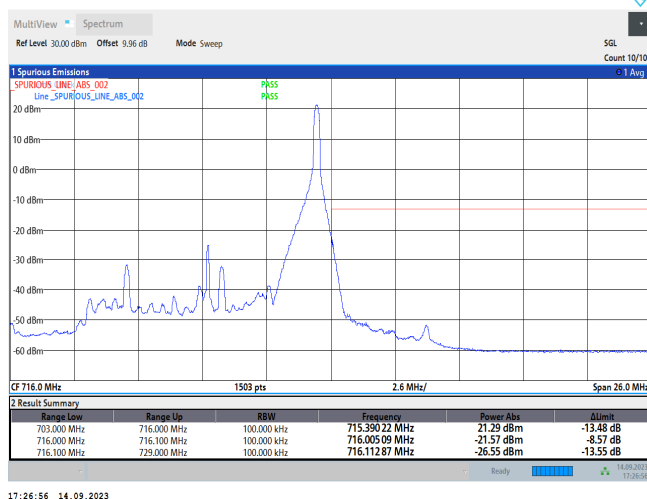
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Rev.: 01

Page: 47 of 61

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



17:26:56 14.09.2023

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



17:27:11 14.09.2023



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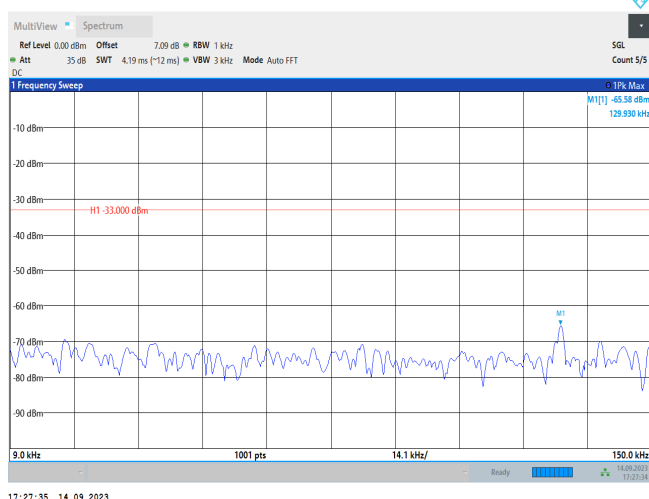
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Page: 48 of 61

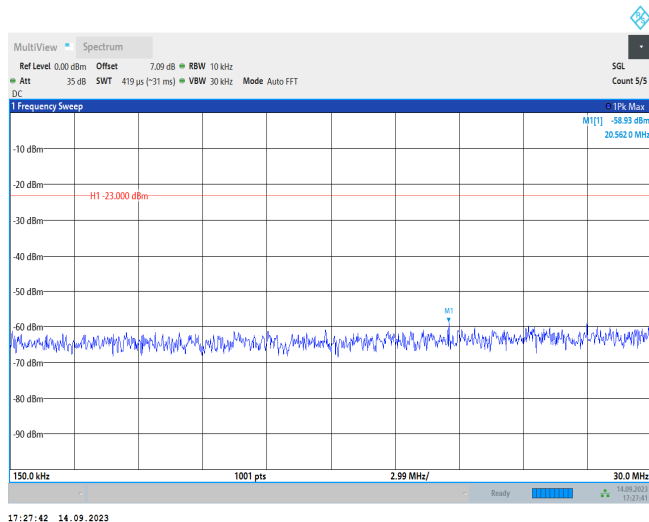
Conducted Spurious Emission

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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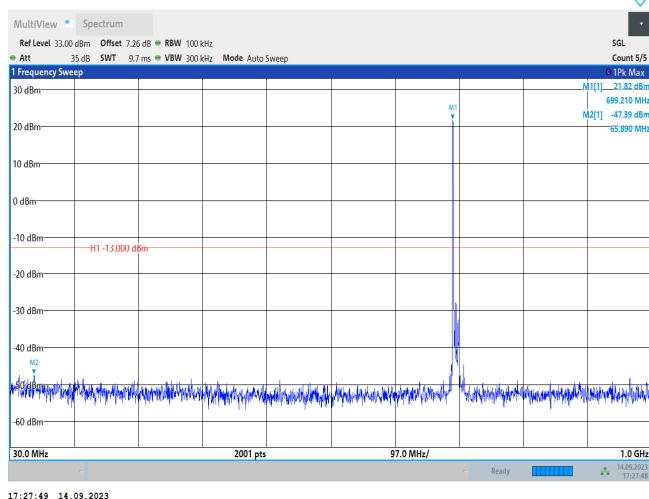
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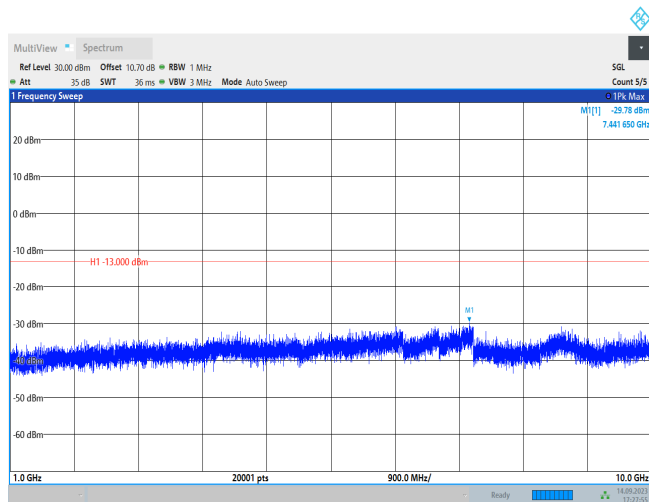
Page: 49 of 61

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



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



17:27:56 14.09.2023

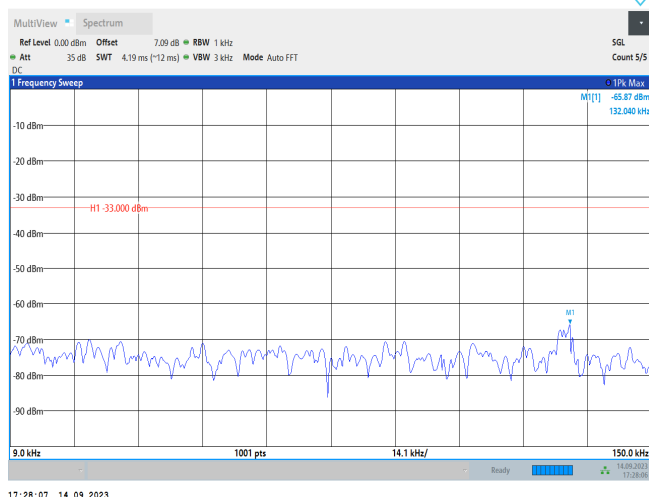


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Page: 50 of 61

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



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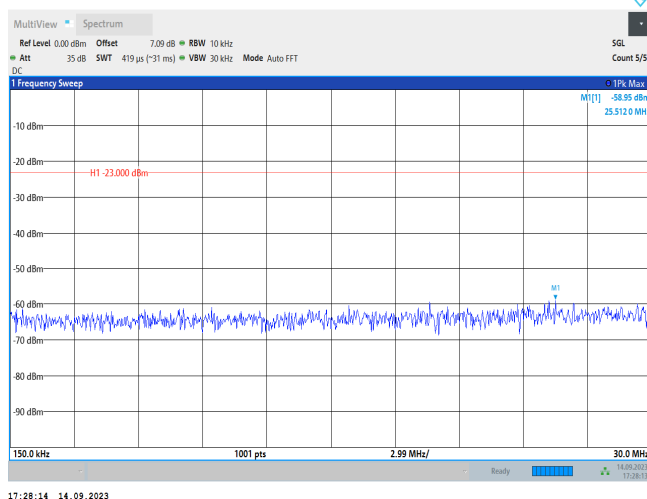
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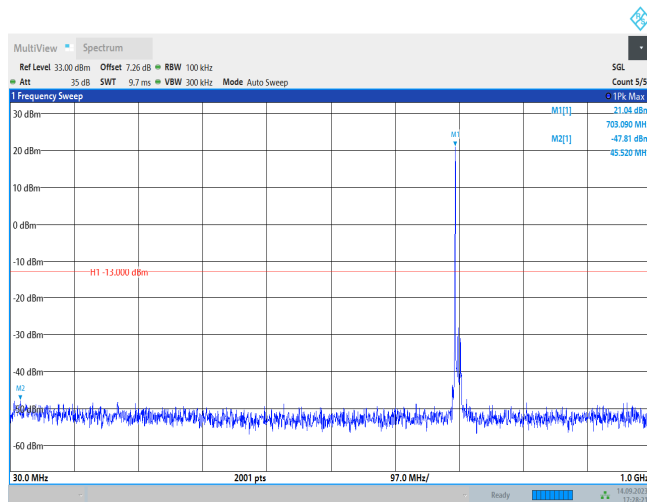
Page: 51 of 61

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



17:28:14 14.09.2023

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



17:28:21 14.09.2023



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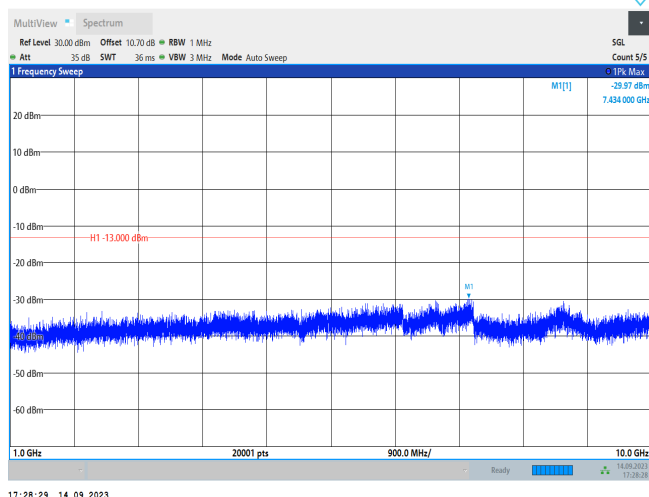


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Band12-10MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



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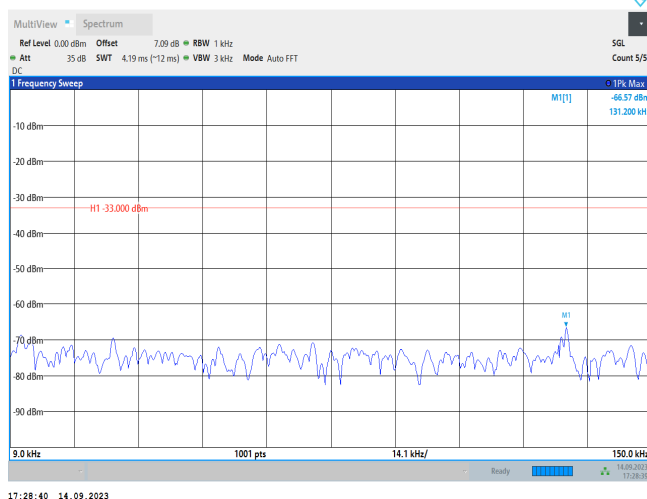
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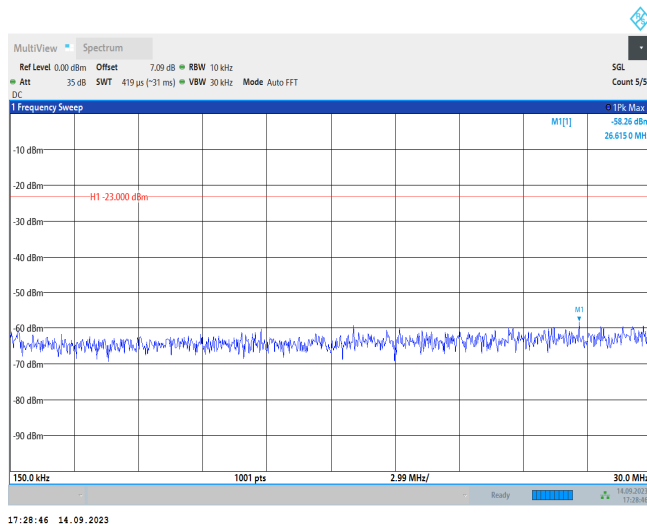
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Page: 53 of 61

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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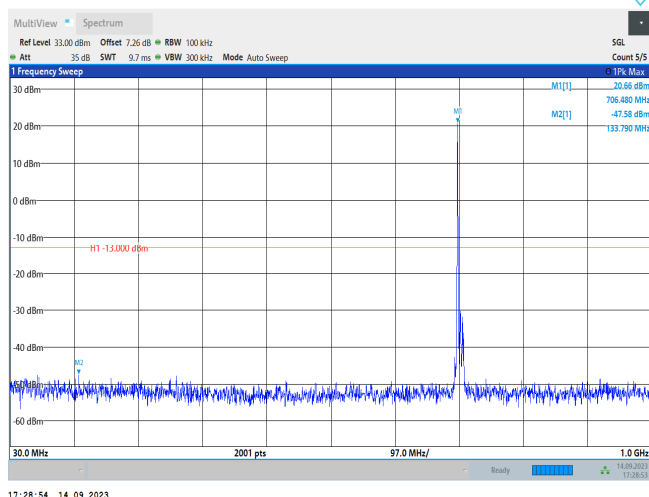
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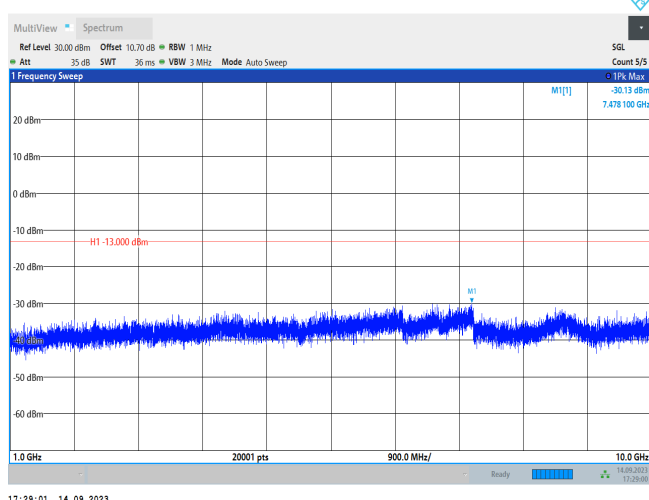
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Page: 54 of 61

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



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



Report No.: XEWM2309000451RG01

Rev.: 01

Page: 55 of 61

Field Strength of Spurious Radiation

Test Band = LTE_12 ANT 1

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399	52.18	-47.39	24.90	-65.57	-13.00	52.57	Horizontal
2	1978.5	47.07	-46.97	26.07	-69.09	-13.00	56.09	Horizontal
3	3063.5	47.01	-45.82	28.83	-65.24	-13.00	52.24	Horizontal
4	4383.5	46.19	-43.21	30.03	-62.25	-13.00	49.25	Horizontal
5	6326	44.92	-40.80	33.71	-57.43	-13.00	44.43	Horizontal
6	9916	42.03	-35.35	38.62	-49.96	-13.00	36.96	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399	51.07	-47.39	24.90	-66.68	-13.00	53.68	Vertical
2	2005	47.03	-46.93	26.48	-68.68	-13.00	55.68	Vertical
3	2507	47.56	-46.65	27.80	-66.55	-13.00	53.55	Vertical
4	3687	46.62	-44.48	29.30	-63.82	-13.00	50.82	Vertical
5	6111	45.03	-40.50	33.38	-57.35	-13.00	44.35	Vertical
6	9928.5	41.98	-35.40	38.63	-50.05	-13.00	37.05	Vertical



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 56 of 61

Test Band = LTE_12 ANT 1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406	53.96	-47.40	24.95	-63.75	-13.00	50.75	Horizontal
2	2321.5	47.41	-46.63	27.32	-67.16	-13.00	54.16	Horizontal
3	3110	47.03	-45.84	28.86	-65.21	-13.00	52.21	Horizontal
4	4807	45.98	-42.89	30.77	-61.40	-13.00	48.40	Horizontal
5	7422.5	43.49	-38.36	36.75	-53.38	-13.00	40.38	Horizontal
6	9910	41.89	-35.33	38.61	-50.09	-13.00	37.09	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406	52.60	-47.40	24.95	-65.11	-13.00	52.11	Vertical
2	2112.5	47.05	-46.89	26.73	-68.37	-13.00	55.37	Vertical
3	3016.5	46.95	-45.71	28.67	-65.35	-13.00	52.35	Vertical
4	4400.5	46.27	-43.27	30.10	-62.16	-13.00	49.16	Vertical
5	7405.5	43.69	-38.35	36.71	-53.21	-13.00	40.21	Vertical
6	9911	41.96	-35.33	38.61	-50.02	-13.00	37.02	Vertical



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 57 of 61

Test Band = LTE_12 ANT 1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413	54.52	-47.42	25.00	-63.16	-13.00	50.16	Horizontal
2	2311.5	47.02	-46.64	27.22	-67.66	-13.00	54.66	Horizontal
3	3899	46.44	-44.42	29.70	-63.54	-13.00	50.54	Horizontal
4	5044.5	45.56	-42.82	31.56	-60.96	-13.00	47.96	Horizontal
5	6864	44.24	-39.64	35.54	-55.12	-13.00	42.12	Horizontal
6	9937.5	42.22	-35.44	38.64	-49.84	-13.00	36.84	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413	49.23	-47.42	25.00	-68.45	-13.00	55.45	Vertical
2	2395.5	47.39	-46.61	27.42	-67.06	-13.00	54.06	Vertical
3	2932	46.72	-45.88	28.23	-66.19	-13.00	53.19	Vertical
4	3853	46.59	-44.77	29.70	-63.74	-13.00	50.74	Vertical
5	6372.5	44.89	-40.82	33.81	-57.38	-13.00	44.38	Vertical
6	9921	41.73	-35.37	38.62	-50.28	-13.00	37.28	Vertical



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 58 of 61

Test Band = LTE_12 ANT 0

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399	53.67	-47.39	24.90	-64.08	-13.00	51.08	Horizontal
2	2062	46.80	-46.89	26.42	-68.93	-13.00	55.93	Horizontal
3	2950.5	46.77	-45.82	28.30	-66.01	-13.00	53.01	Horizontal
4	3939	46.24	-44.23	29.86	-63.39	-13.00	50.39	Horizontal
5	6051	44.31	-40.59	33.50	-58.04	-13.00	45.04	Horizontal
6	9075	40.95	-35.62	36.75	-53.18	-13.00	40.18	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399	52.31	-47.39	24.90	-65.44	-13.00	52.44	Vertical
2	2111	46.81	-46.89	26.73	-68.61	-13.00	55.61	Vertical
3	3066	46.88	-45.82	28.83	-65.37	-13.00	52.37	Vertical
4	4398	46.00	-43.26	30.09	-62.43	-13.00	49.43	Vertical
5	7453	43.45	-38.37	36.81	-53.37	-13.00	40.37	Vertical
6	9923.5	41.07	-35.38	38.62	-50.95	-13.00	37.95	Vertical



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 59 of 61

Test Band = LTE_12 ANT 0
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406	54.66	-47.40	24.95	-63.05	-13.00	50.05	Horizontal
2	2006	47.20	-46.93	26.48	-68.51	-13.00	55.51	Horizontal
3	3099.5	46.62	-45.90	28.90	-65.64	-13.00	52.64	Horizontal
4	4424	46.05	-43.22	30.10	-62.33	-13.00	49.33	Horizontal
5	7423	42.92	-38.36	36.75	-53.95	-13.00	40.95	Horizontal
6	9908	41.00	-35.32	38.61	-50.97	-13.00	37.97	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406	51.43	-47.40	24.95	-66.28	-13.00	53.28	Vertical
2	2081	47.01	-46.88	26.61	-68.52	-13.00	55.52	Vertical
3	3219.5	46.48	-45.38	28.48	-65.68	-13.00	52.68	Vertical
4	4372.5	46.01	-43.17	29.99	-62.43	-13.00	49.43	Vertical
5	7409	43.67	-38.35	36.72	-53.22	-13.00	40.22	Vertical
6	9916.5	40.95	-35.35	38.62	-51.04	-13.00	38.04	Vertical



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Report No.: XEWM2309000451RG01

Rev.: 01

Page: 60 of 61

Test Band = LTE_12 ANT 0
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413	55.36	-47.42	25.00	-62.32	-13.00	49.32	Horizontal
2	2349	47.27	-46.63	27.59	-67.03	-13.00	54.03	Horizontal
3	3205.5	46.45	-45.32	28.42	-65.71	-13.00	52.71	Horizontal
4	5082.5	45.32	-42.73	31.54	-61.13	-13.00	48.13	Horizontal
5	7416.5	43.08	-38.35	36.73	-53.80	-13.00	40.80	Horizontal
6	9911	40.80	-35.33	38.61	-51.18	-13.00	38.18	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413	51.49	-47.42	25.00	-66.19	-13.00	53.19	Vertical
2	2334.5	47.55	-46.63	27.45	-66.89	-13.00	53.89	Vertical
3	3083.5	46.78	-45.86	28.87	-65.47	-13.00	52.47	Vertical
4	4423.5	46.05	-43.22	30.10	-62.33	-13.00	49.33	Vertical
5	7407	42.95	-38.35	36.71	-53.95	-13.00	40.95	Vertical
6	9921.5	41.00	-35.37	38.62	-51.01	-13.00	38.01	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.: XEWM2309000451RG01

Rev.: 01

Page: 61 of 61

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-5.02	-0.007095	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-4.61	-0.006516	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-3.48	-0.004919	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-3.18	-0.004495	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-6.59	-0.009314	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-3.86	-0.005456	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-4.49	-0.006346	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-4.98	-0.007039	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	2.85	0.004028	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.36	-0.004749	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-4.22	-0.005965	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-3.33	-0.004707	PASS

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