

Appendix B.7

LTE Band 12



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT41

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.30	14.42	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.40	14.52	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.34	14.46	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.44	13.56	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.19	14.31	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.46	14.58	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.33	14.45	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.12	13.24	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.33	14.45	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.36	14.48	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.13	14.25	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.33	13.45	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.71	13.83	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.63	13.75	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.41	13.53	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.56	12.68	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.49	13.61	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.64	13.76	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.42	13.54	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.36	12.48	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.44	13.56	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.68	13.80	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.70	13.82	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.29	12.41	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.59	12.71	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.58	12.70	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.56	12.68	34.77	PASS



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Band12	1.4MHz	64QAM	23017	6RB#0	20.45	11.57	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.46	12.58	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.47	12.59	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.56	12.68	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.26	11.38	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.48	12.60	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.60	12.72	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.45	12.57	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.26	11.38	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.34	14.46	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.35	14.47	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.45	14.57	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.53	13.65	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.43	14.55	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.47	14.59	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.36	14.48	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.39	13.51	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.40	14.52	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.52	14.64	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.33	14.45	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.39	13.51	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.82	13.94	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.76	13.88	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.51	13.63	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.46	12.58	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.78	13.90	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.70	13.82	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.67	13.79	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.43	12.55	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.69	13.81	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.35	13.47	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.58	13.70	34.77	PASS



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Band12	3MHz	16QAM	23165	15RB#0	21.37	12.49	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.70	12.82	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.64	12.76	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.65	12.77	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.42	11.54	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.55	12.67	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.77	12.89	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.55	12.67	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.36	11.48	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.52	12.64	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.63	12.75	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.31	12.43	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.50	11.62	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.28	14.40	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.46	14.58	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.42	14.54	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.44	13.56	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.35	14.47	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.49	14.61	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.35	14.47	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.39	13.51	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.36	14.48	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.36	14.48	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.37	14.49	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.39	13.51	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.88	14.00	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.69	13.81	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.92	14.04	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.53	12.65	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.87	13.99	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.74	13.86	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.80	13.92	34.77	PASS



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Band12	5MHz	16QAM	23095	25RB#0	21.37	12.49	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.67	13.79	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.93	14.05	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.58	13.70	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.25	12.37	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.66	12.78	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.60	12.72	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.51	12.63	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.46	11.58	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.65	12.77	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.53	12.65	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.76	12.88	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.42	11.54	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.40	12.52	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.59	12.71	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.48	12.60	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.34	11.46	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.42	14.54	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.33	14.45	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.27	14.39	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.47	13.59	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.45	14.57	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.35	14.47	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.25	14.37	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.30	13.42	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.39	14.51	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.26	14.38	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.23	14.35	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.41	13.53	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.65	13.77	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.63	13.75	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.67	13.79	34.77	PASS



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Band12	10MHz	16QAM	23060	50RB#0	21.43	12.55	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.83	13.95	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.60	13.72	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.62	13.74	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.45	12.57	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.70	13.82	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.57	13.69	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.67	13.79	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.44	12.56	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.68	12.80	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.54	12.66	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.58	12.70	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.50	11.62	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.59	12.71	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.93	13.05	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.29	12.41	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.43	11.55	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.62	12.74	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.65	12.77	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.60	12.72	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.37	11.49	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	4.70	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.76	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.56	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.46	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.36	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.18	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.26	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.14	13	PASS

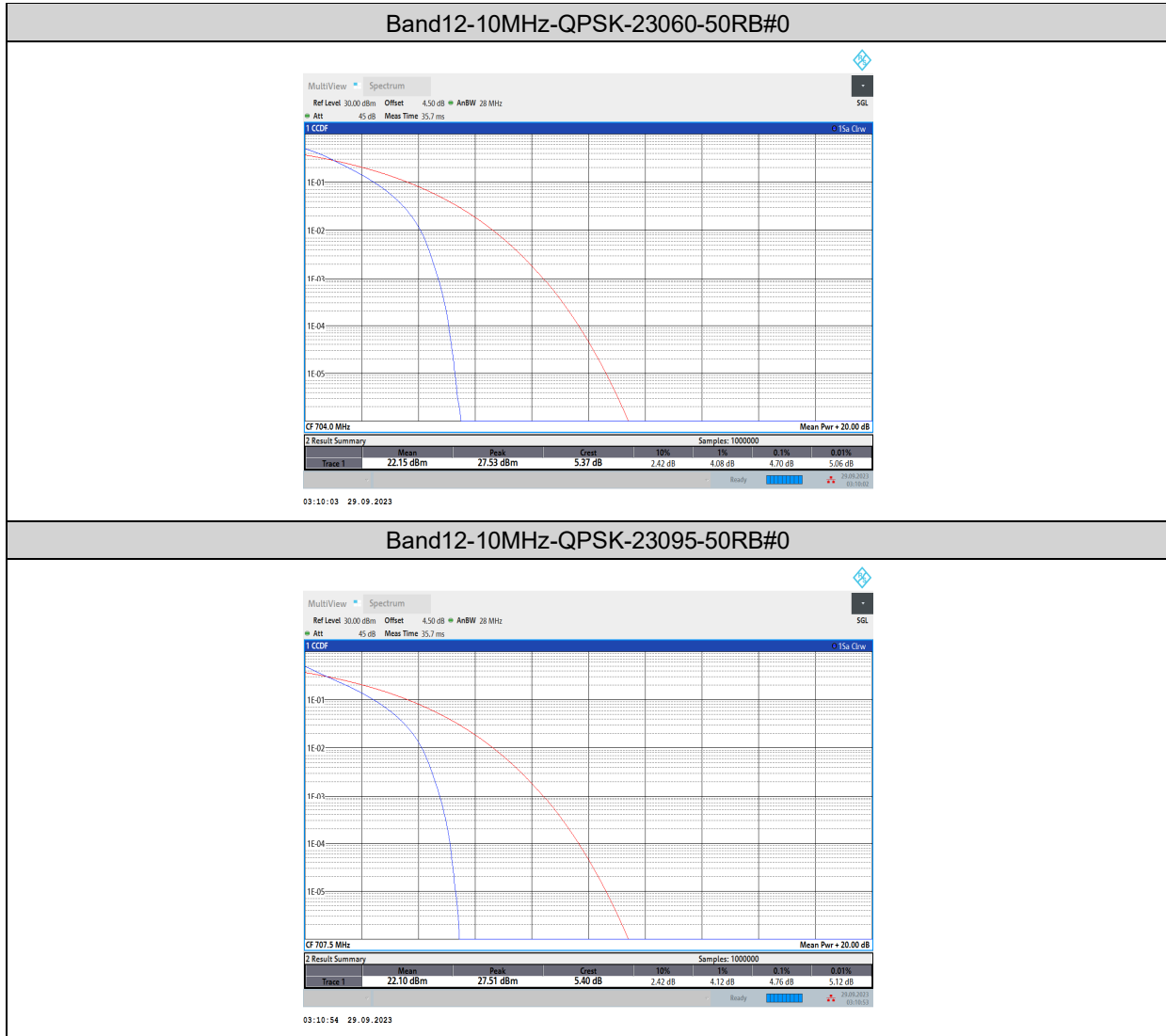


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Test Graphs

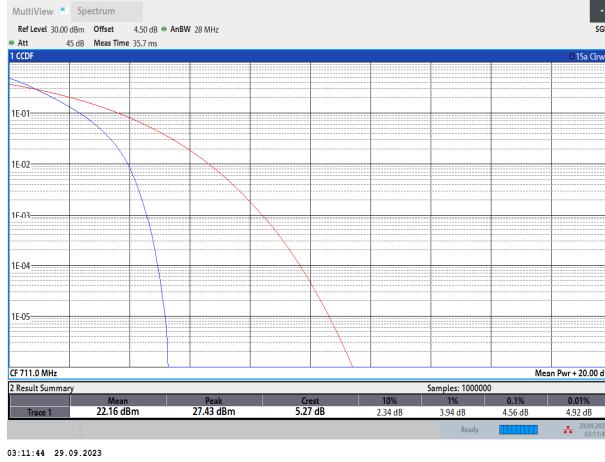


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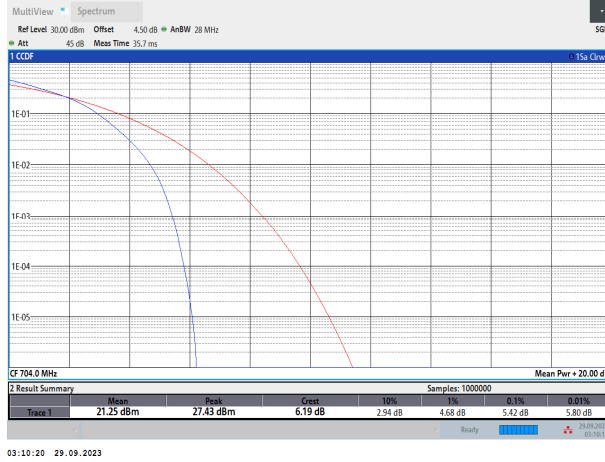
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Band12-10MHz-QPSK-23130-50RB#0



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

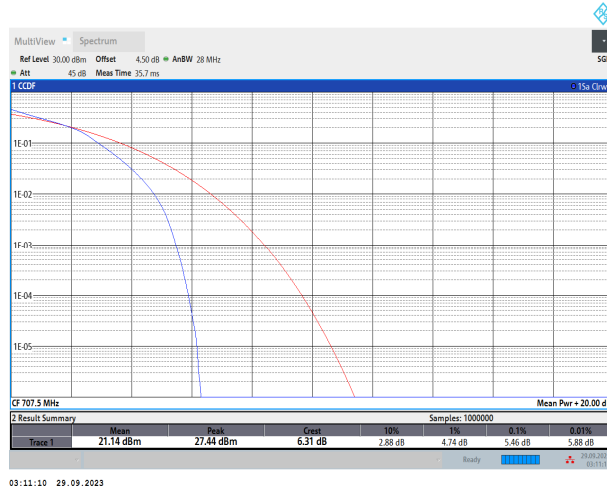


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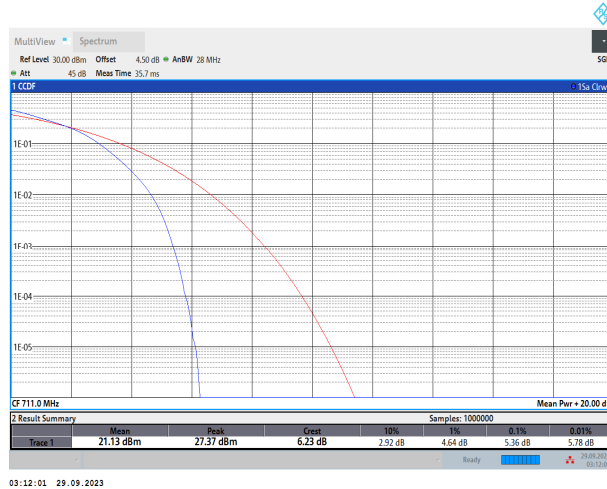
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Band12-10MHz-16QAM-23095-50RB#0



03:11:10 29.09.2023

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



03:12:01 29.09.2023

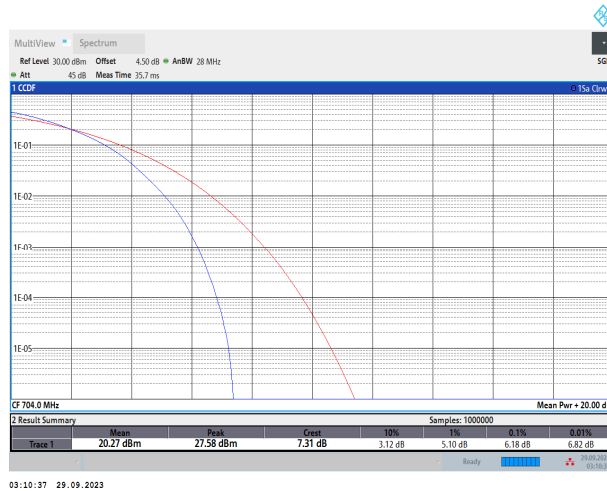


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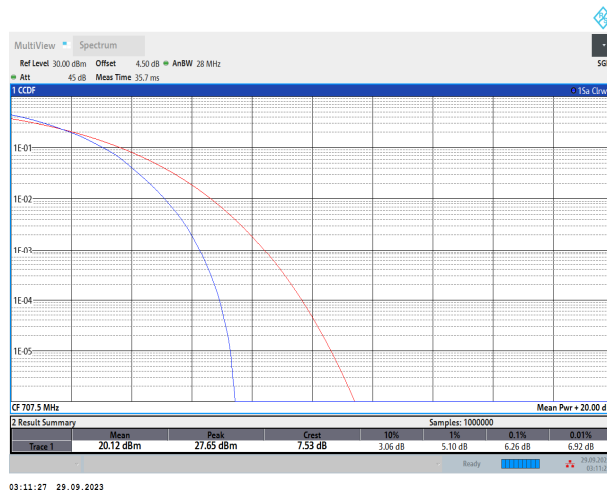
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Band12-10MHz-64QAM-23060-50RB#0



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

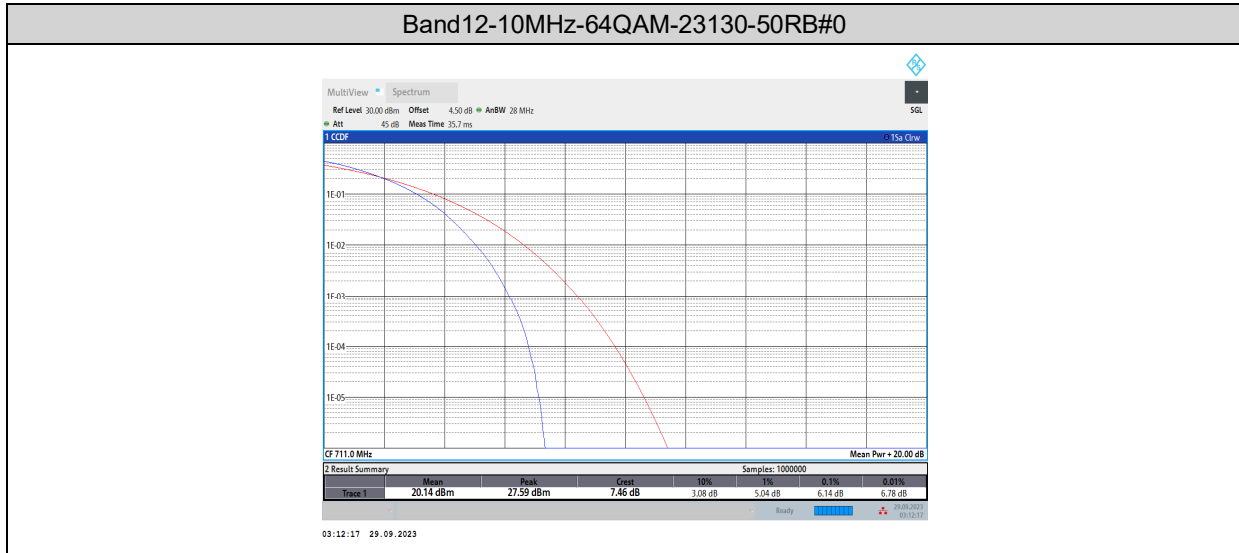


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23095	6RB#0	1.085	1.23	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.092	1.25	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.09	1.24	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.693	2.99	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.687	2.99	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.689	2.96	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.473	4.90	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.474	4.92	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.487	4.91	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.946	9.76	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.922	9.70	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.943	9.68	PASS



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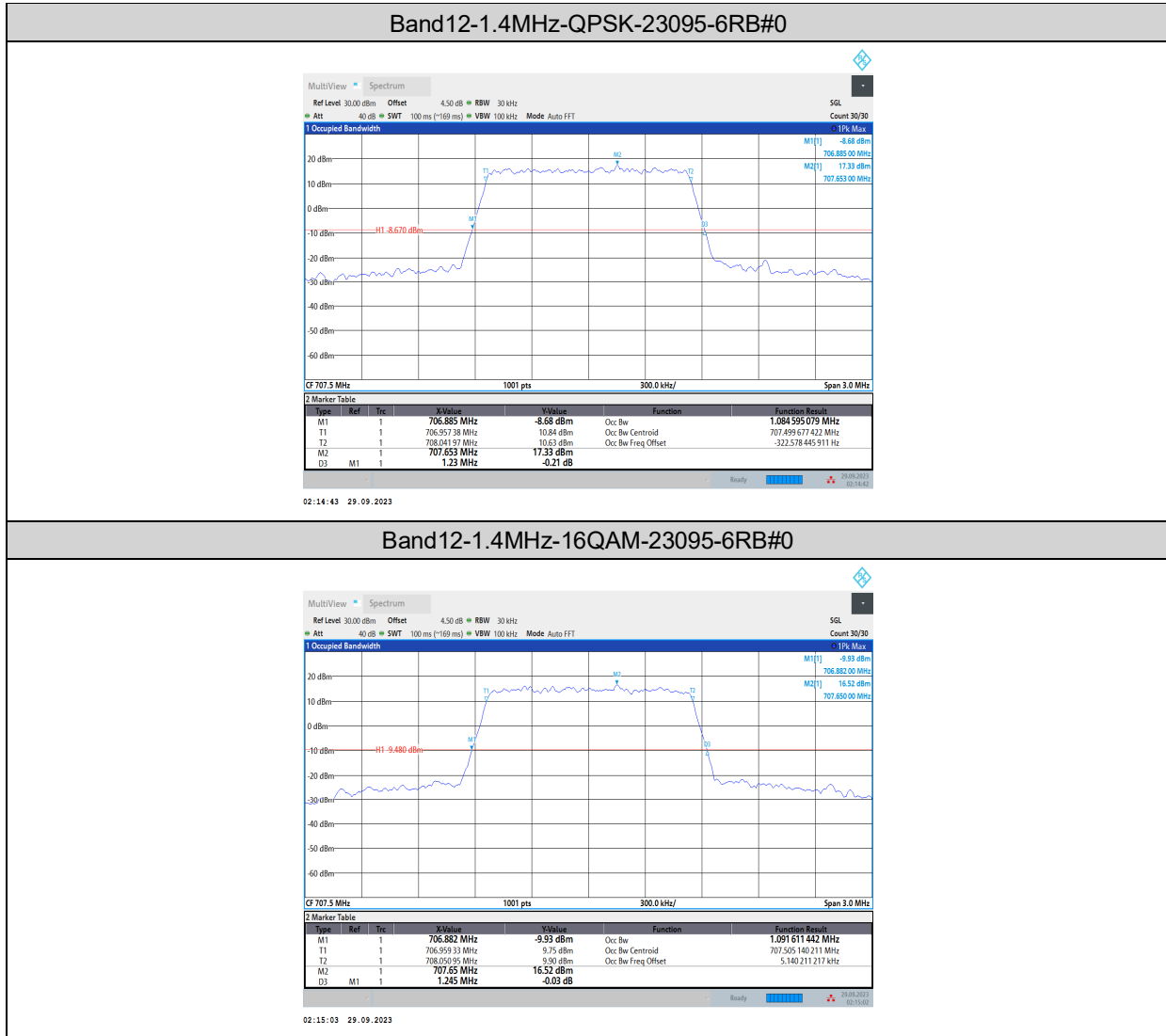
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Test Graphs

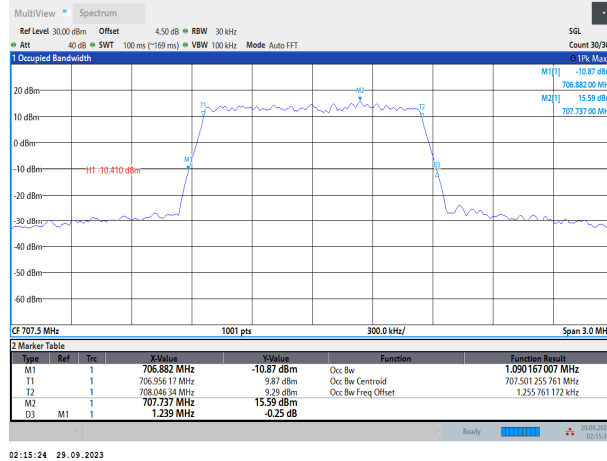


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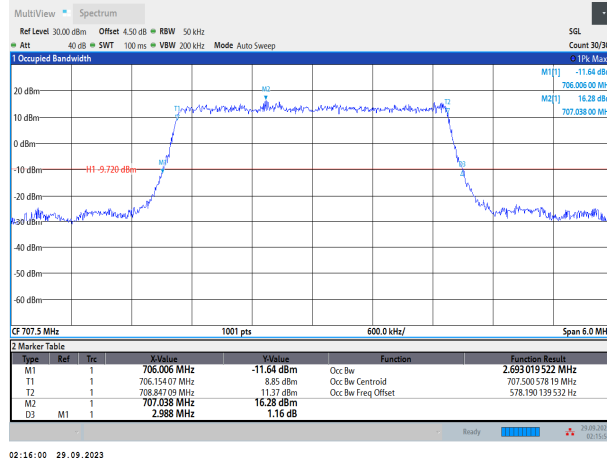
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Band12-1.4MHz-64QAM-23095-6RB#0



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

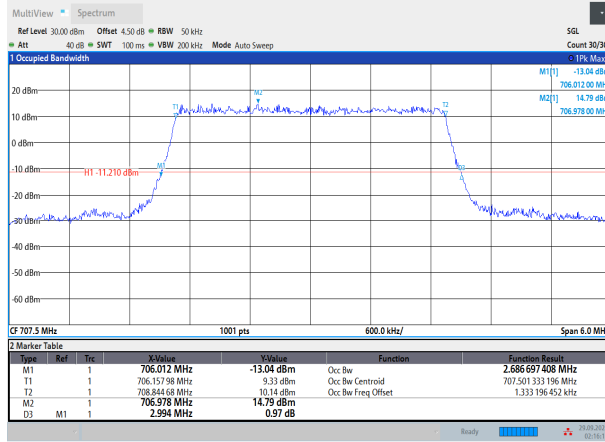


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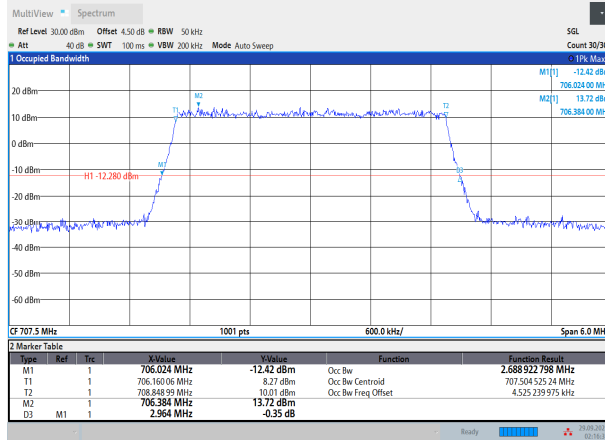
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Band12-3MHz-16QAM-23095-15RB#0



02:16:18 29.09.2023

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



02:16:37 29.09.2023

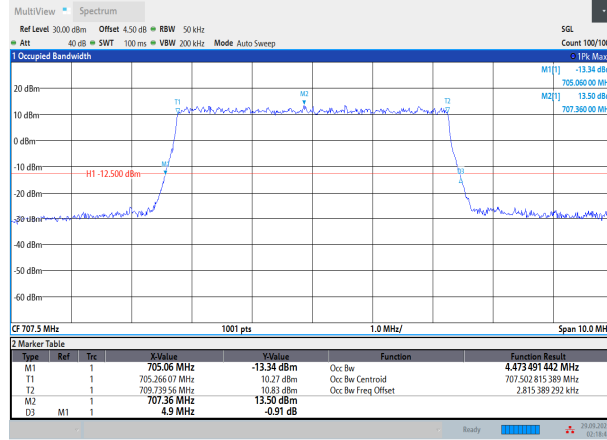


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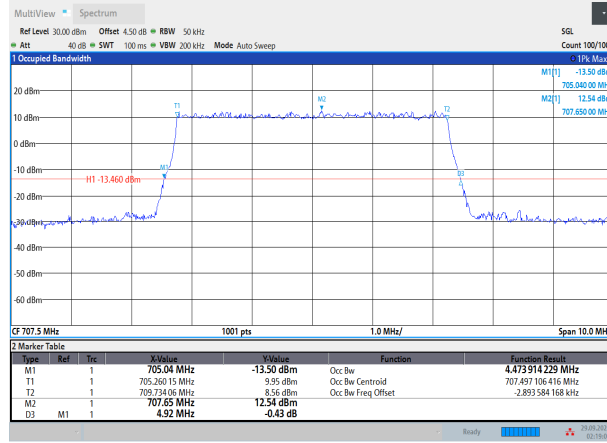
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Band12-5MHz-QPSK-23095-25RB#0



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

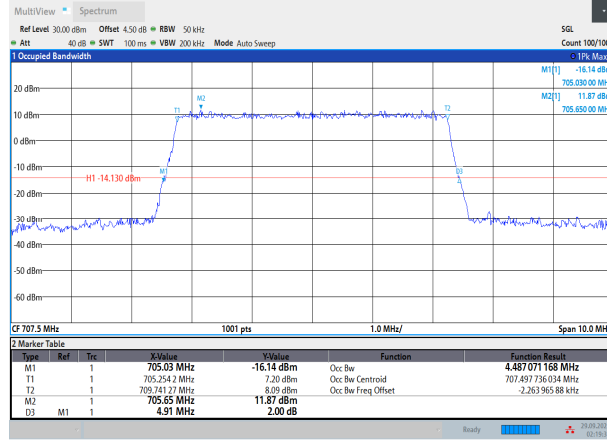


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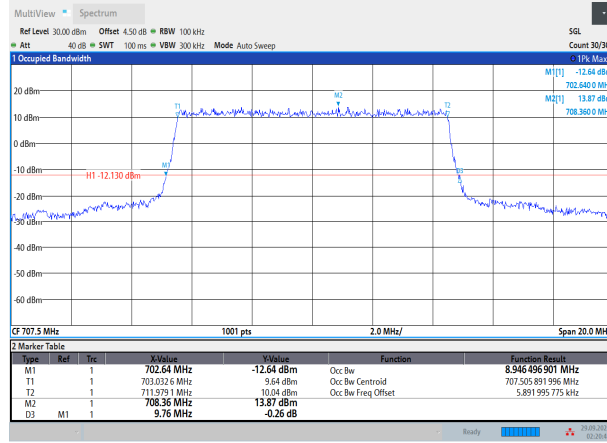
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Band12-5MHz-64QAM-23095-25RB#0



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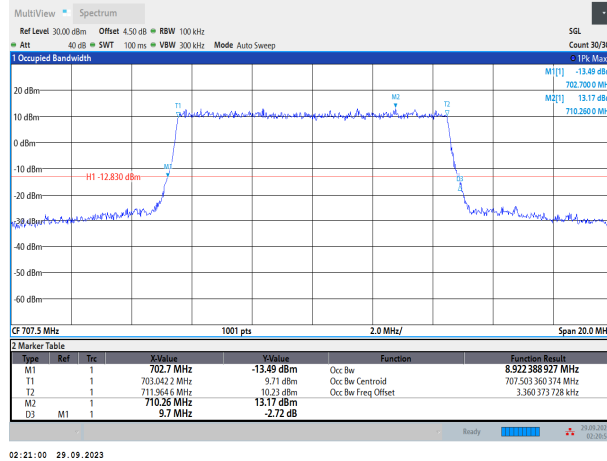


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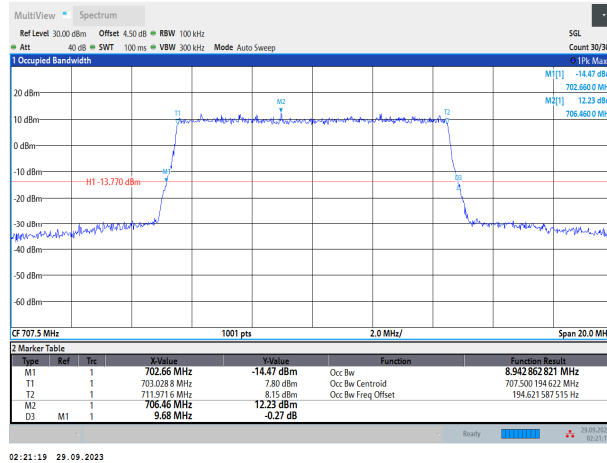
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Band12-10MHz-64QAM-23095-50RB#0



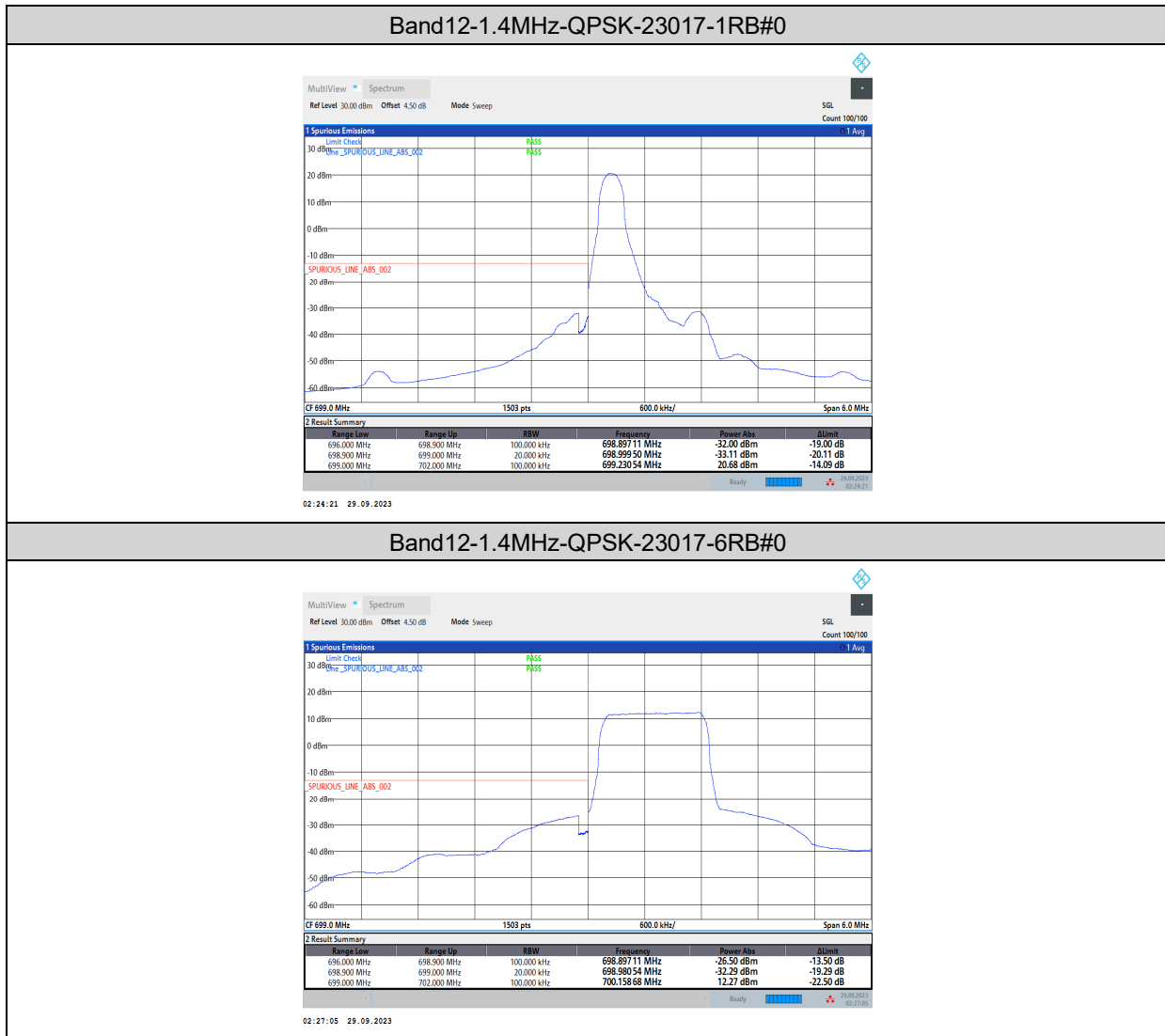
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Band Edge

Test Graphs

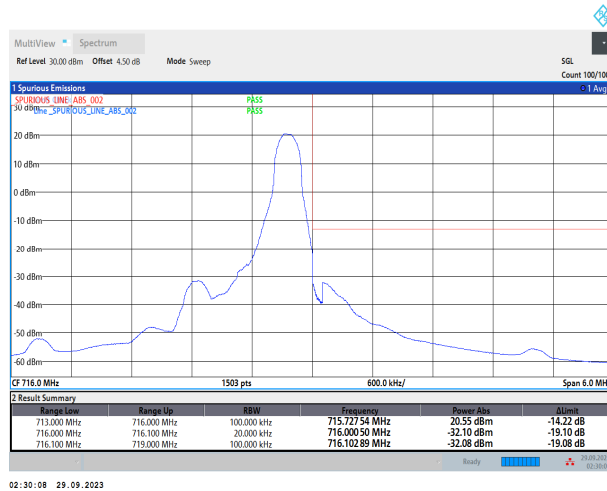


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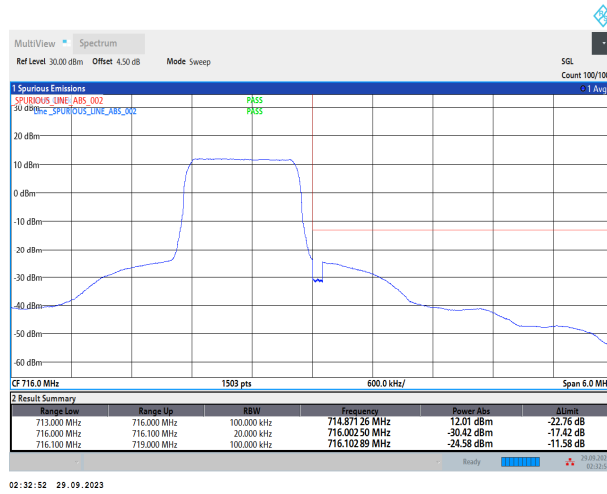
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Band12-1.4MHz-QPSK-23173-1RB#5



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

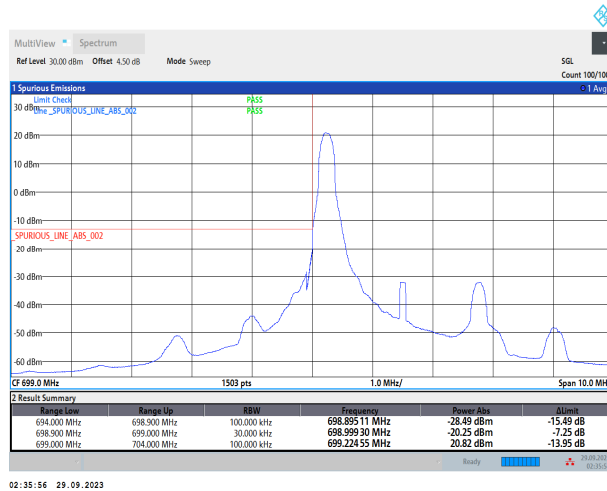


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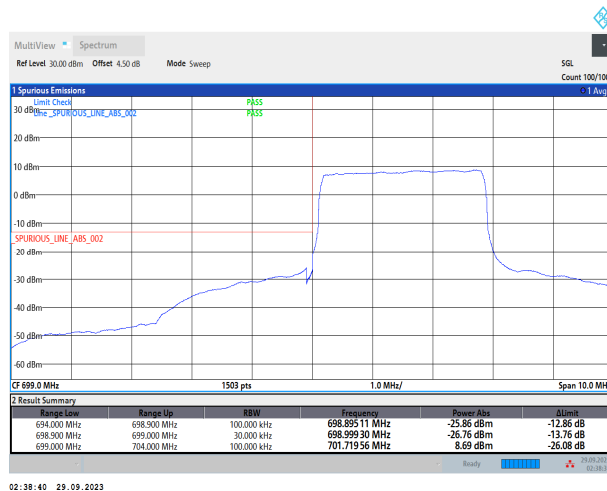
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Band12-3MHz-QPSK-23025-1RB#0



02:35:56 29.09.2023

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



02:38:40 29.09.2023

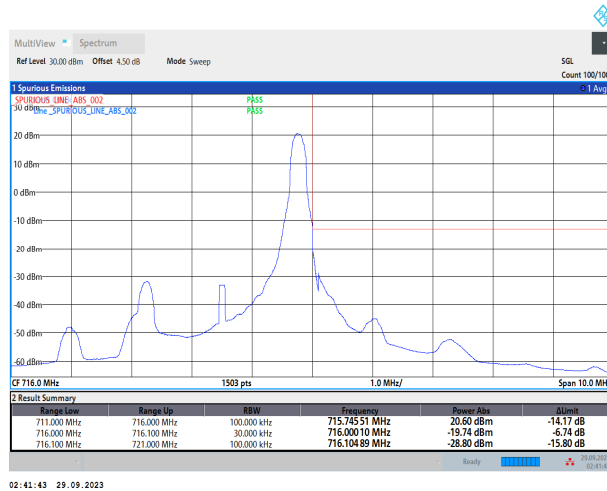


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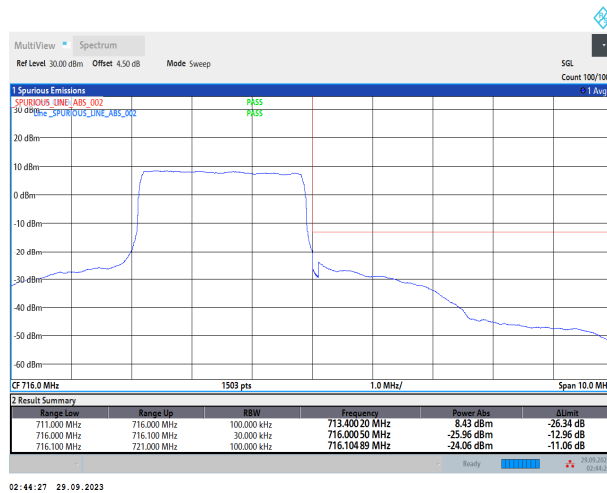
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Band12-3MHz-QPSK-23165-1RB#14



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

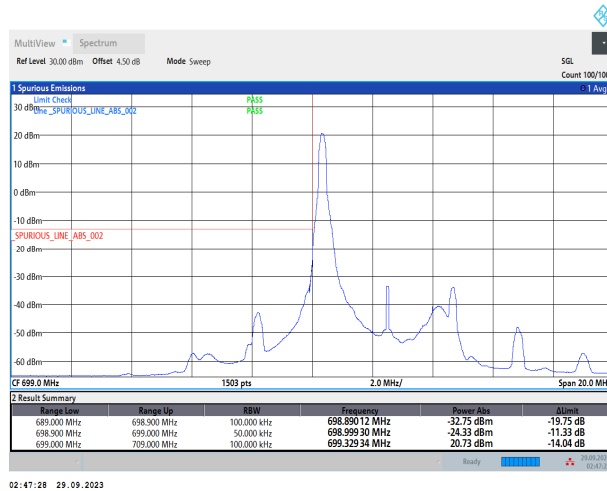


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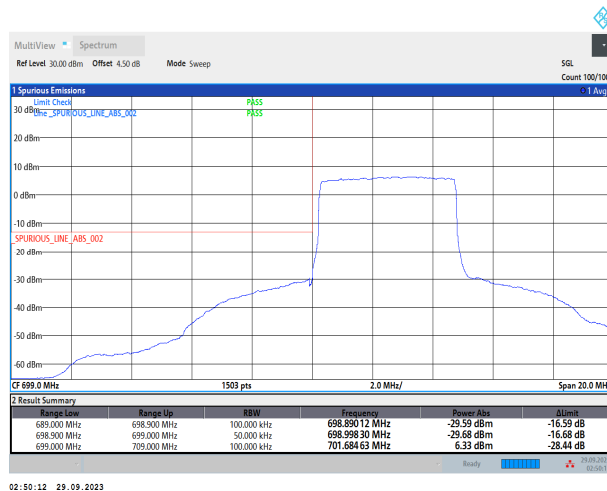
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Band12-5MHz-QPSK-23035-1RB#0



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

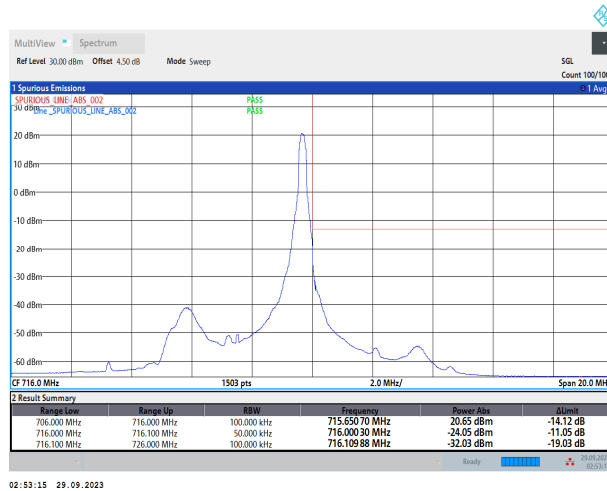


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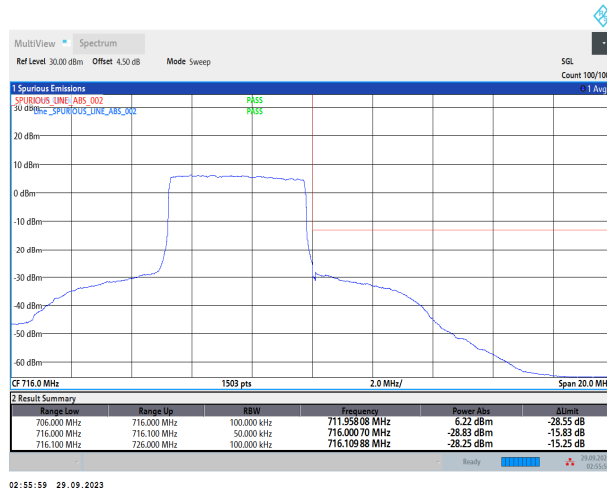
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Band12-5MHz-QPSK-23155-1RB#24



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

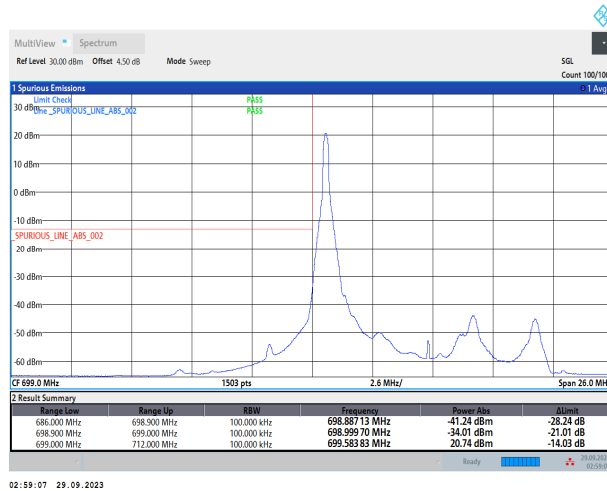


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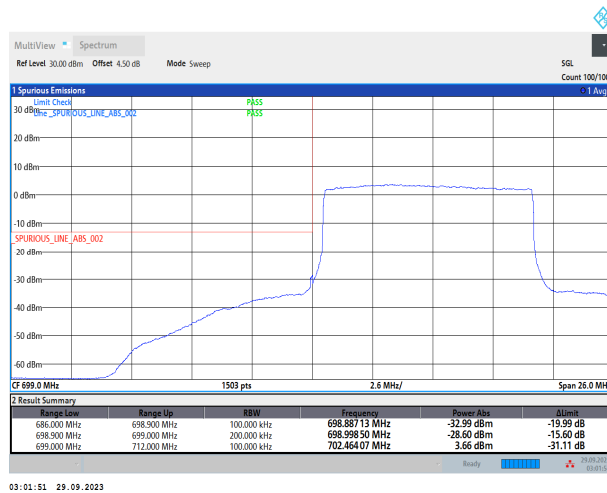
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Band12-10MHz-QPSK-23060-1RB#0



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

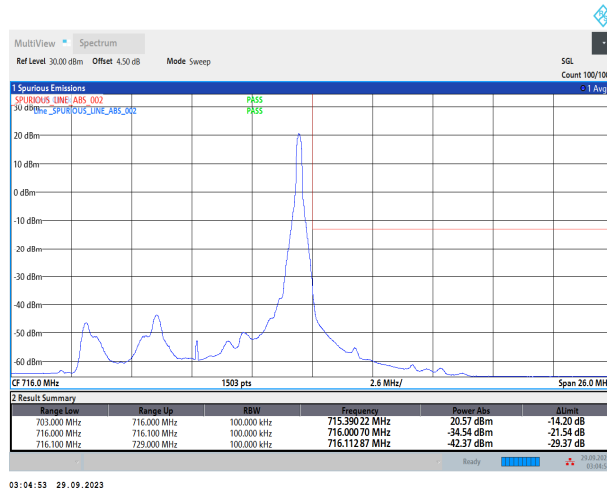


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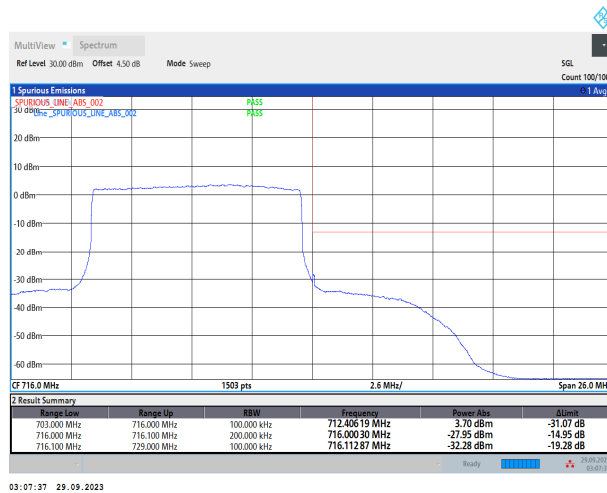
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Band12-10MHz-QPSK-23130-1RB#49



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



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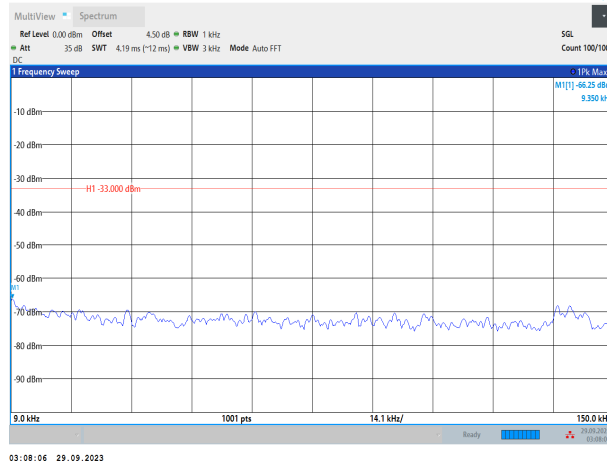
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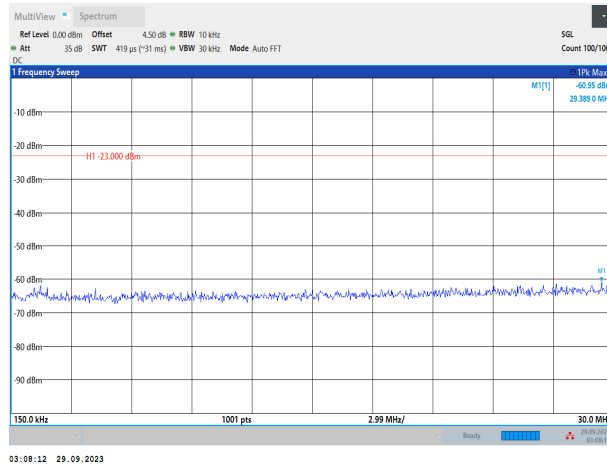
Conducted Spurious Emission

Test Graphs

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



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

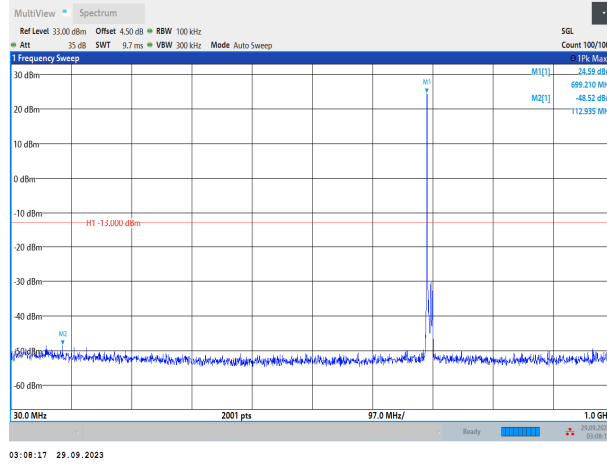


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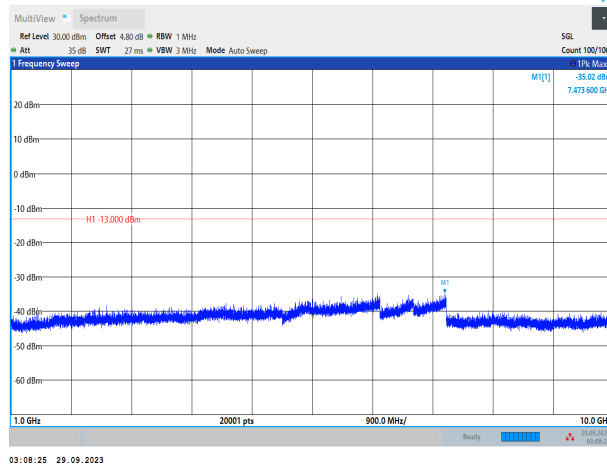
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Band12-10MHz-QPSK-23060-1RB#0-Range3:30~1000MHz



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

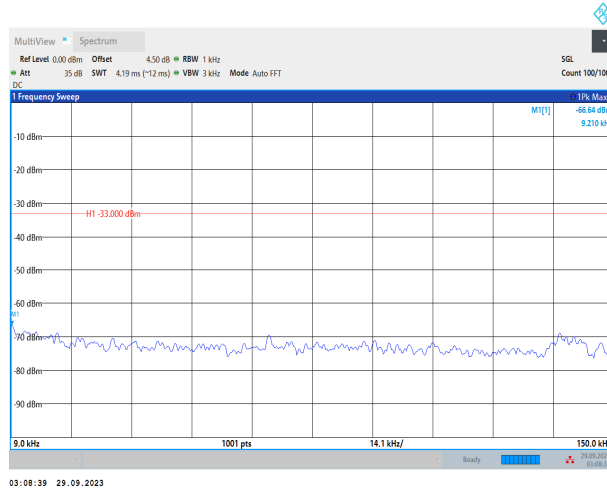


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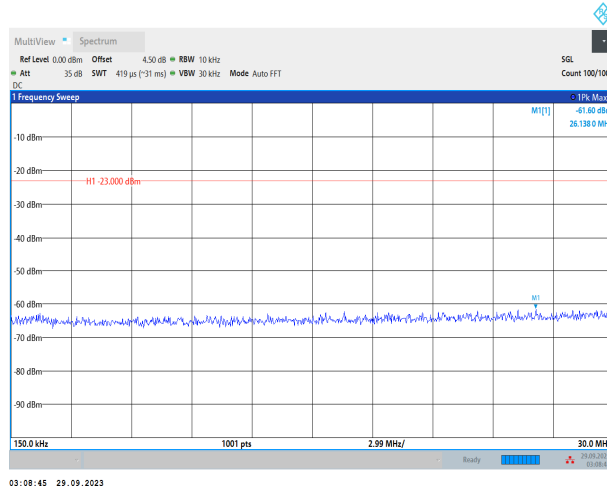
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Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



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

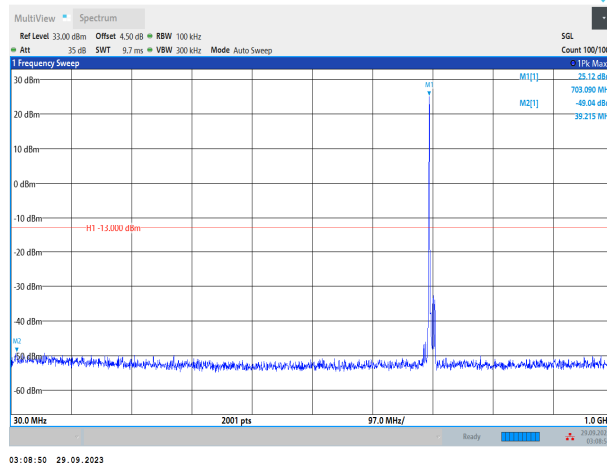


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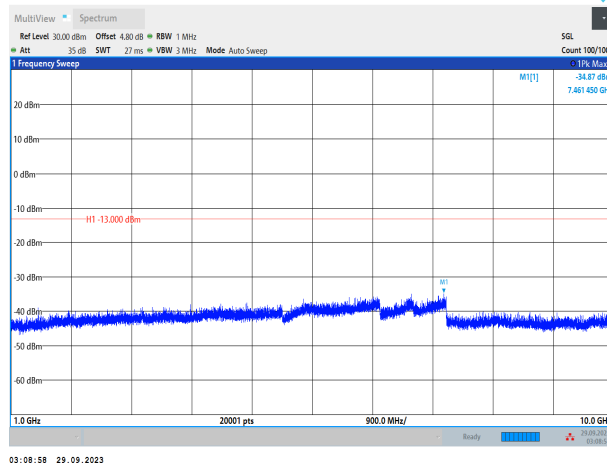
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Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



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

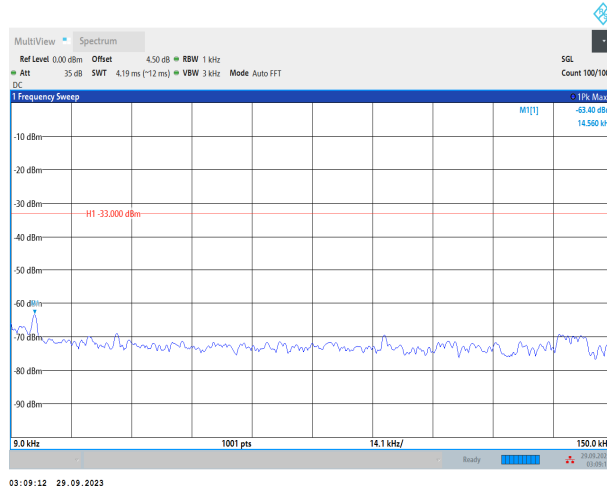


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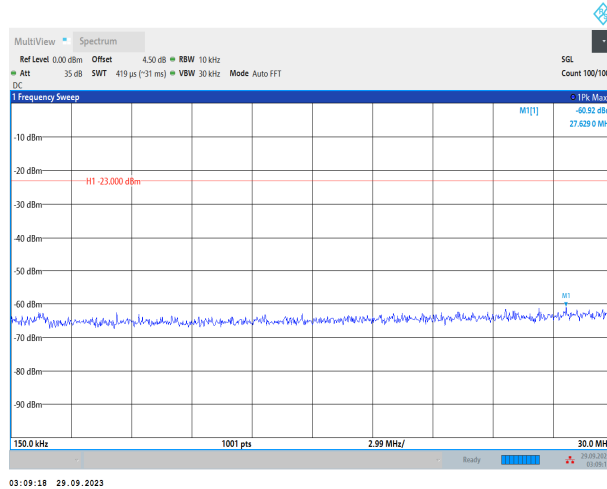
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Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz



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

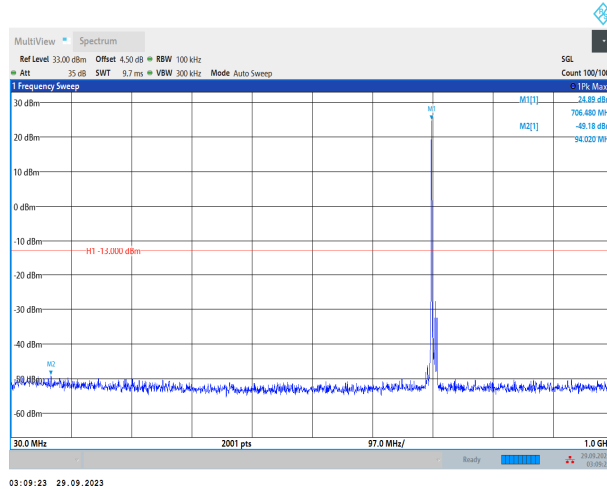


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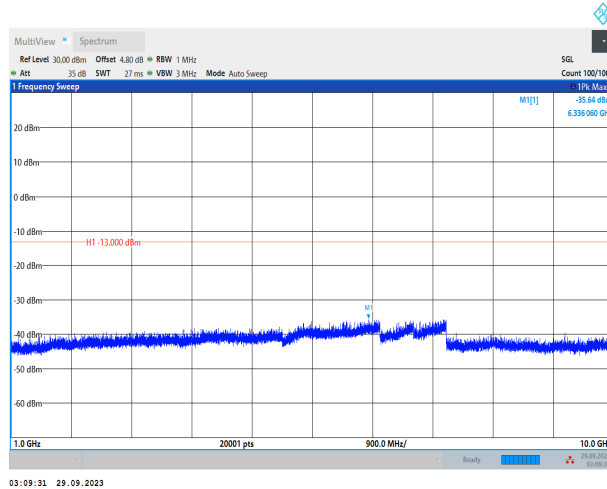
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Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band12_ 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	1399.1800	43.86	-48.00	25.10	-74.30	-13.00	61.30	Horizontal
2	2098.7700	42.66	-47.71	26.18	-74.14	-13.00	61.14	Horizontal
3	2798.3600	42.35	-46.92	27.90	-71.93	-13.00	58.93	Horizontal
4	3497.9500	41.96	-46.54	28.60	-71.24	-13.00	58.24	Horizontal
5	4197.5400	40.11	-45.96	29.57	-71.53	-13.00	58.53	Horizontal
6	4897.1300	40.55	-45.58	31.17	-69.12	-13.00	56.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.1800	43.75	-48.00	25.10	-74.41	-13.00	61.41	Vertical
2	2098.7700	42.59	-47.71	26.18	-74.21	-13.00	61.21	Vertical
3	2798.3600	42.62	-46.92	27.90	-71.66	-13.00	58.66	Vertical
4	3497.9500	41.82	-46.54	28.60	-71.38	-13.00	58.38	Vertical
5	4197.5400	39.87	-45.96	29.57	-71.77	-13.00	58.77	Vertical
6	4897.1300	41.24	-45.58	31.17	-68.43	-13.00	55.43	Vertical



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Test Band = LTE Band12_ 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	1406.1800	43.06	-48.02	25.10	-75.12	-13.00	62.12	Horizontal
2	2109.2700	42.74	-47.71	26.21	-74.02	-13.00	61.02	Horizontal
3	2812.3600	42.36	-46.88	27.93	-71.85	-13.00	58.85	Horizontal
4	3515.4500	41.27	-46.51	28.62	-71.88	-13.00	58.88	Horizontal
5	4218.5400	40.65	-45.93	29.63	-70.91	-13.00	57.91	Horizontal
6	4921.6300	40.64	-45.63	31.23	-69.02	-13.00	56.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.1800	43.47	-48.02	25.10	-74.71	-13.00	61.71	Vertical
2	2109.2700	42.69	-47.71	26.21	-74.07	-13.00	61.07	Vertical
3	2812.3600	42.59	-46.88	27.93	-71.62	-13.00	58.62	Vertical
4	3515.4500	41.49	-46.51	28.62	-71.66	-13.00	58.66	Vertical
5	4218.5400	40.51	-45.93	29.63	-71.05	-13.00	58.05	Vertical
6	4921.6300	40.80	-45.63	31.23	-68.86	-13.00	55.86	Vertical



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Test Band = LTE Band12_ 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	1413.1800	43.91	-48.04	25.11	-74.29	-13.00	61.29	Horizontal
2	2119.7700	42.14	-47.70	26.24	-74.59	-13.00	61.59	Horizontal
3	2826.3600	42.20	-46.83	27.95	-71.93	-13.00	58.93	Horizontal
4	3532.9500	41.81	-46.47	28.63	-71.29	-13.00	58.29	Horizontal
5	4239.5400	40.39	-45.89	29.68	-71.08	-13.00	58.08	Horizontal
6	4946.1300	40.60	-45.69	31.28	-69.06	-13.00	56.06	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.1800	43.18	-48.04	25.11	-75.02	-13.00	62.02	Vertical
2	2119.7700	42.35	-47.70	26.24	-74.38	-13.00	61.38	Vertical
3	2826.3600	42.35	-46.83	27.95	-71.78	-13.00	58.78	Vertical
4	3532.9500	41.66	-46.47	28.63	-71.44	-13.00	58.44	Vertical
5	4239.5400	40.48	-45.89	29.68	-70.99	-13.00	57.99	Vertical
6	4946.1300	41.28	-45.69	31.28	-68.38	-13.00	55.38	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.40	-0.001979	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	0.00	0.000000	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-0.70	-0.000989	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-0.60	-0.000848	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	0.10	0.000141	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-0.10	-0.000141	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.80	-0.001131	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.20	-0.000283	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	1.50	0.002120	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-0.10	-0.000141	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	0.10	0.000141	PASS

---End of Attachment---



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