

## APPENDIX G: TEST RESULTS FOR E-UTRA OPERATING BAND 12

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## APPENDIX G.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.47	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.54	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.17	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.16	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.34	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.37	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.28	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.39	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.54	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.55	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.41	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.17	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.48	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.60	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.23	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.25	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.59	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.50	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.09	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.08	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.17	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.39	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.61	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.57	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.35	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.44	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.57	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.44	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.43	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.59	PASS

Band12	1.4MHz	16QAM	23173	1RB#5	22.55	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.10	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.18	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.33	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.53	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.32	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.41	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.55	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.37	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.37	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.41	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.46	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.35	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.27	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.53	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.37	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.33	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.40	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.58	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.64	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.31	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.33	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.51	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.31	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.18	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.32	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.89	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.73	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.72	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.56	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.43	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.37	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.41	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.41	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.47	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.58	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.45	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.40	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.57	PASS

Band12	3MHz	16QAM	23165	1RB#8	23.04	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.96	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.52	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.33	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.52	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.63	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.32	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.67	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.29	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.33	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.33	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.32	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.28	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.61	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.41	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.37	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.47	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.49	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.19	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.32	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.41	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.51	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.44	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.27	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.19	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.42	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.26	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.40	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.58	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.44	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.52	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.52	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.34	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.59	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.39	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.20	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.26	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.48	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.48	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.49	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.42	PASS

Band12	5MHz	16QAM	23155	1RB#0	22.65	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.61	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.65	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.32	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.42	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.32	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.33	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.68	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.34	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.35	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.25	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.53	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.22	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.55	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.62	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.47	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.49	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.31	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.40	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.29	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.33	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.51	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.34	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.35	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.49	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.36	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.32	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.71	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.34	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.34	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.34	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.53	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.38	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.62	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.83	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.70	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.61	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.52	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.44	PASS

Band12	10MHz	16QAM	23095	50RB#0	21.48	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.65	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.42	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.63	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.59	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.40	PASS
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Band12	10MHz	16QAM	23130	50RB#0	21.51	PASS

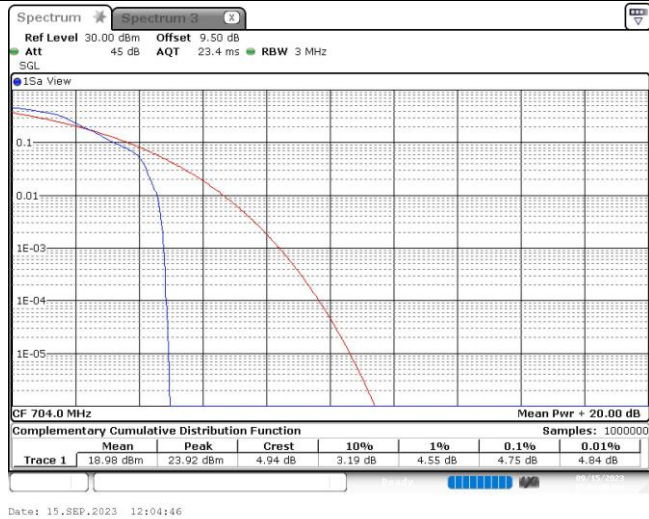
## APPENDIX G.2: PEAK-TO AVERAGE RATIO

### Test Result

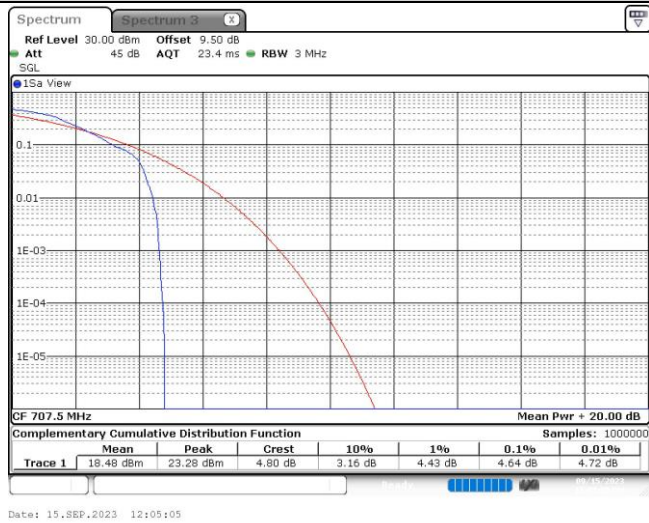
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	100RB#0	4.75	13	PASS
Band12	10MHz	QPSK	23095	100RB#0	4.64	13	PASS
Band12	10MHz	QPSK	23130	100RB#0	4.70	13	PASS
Band12	10MHz	16QAM	23060	100RB#0	4.75	13	PASS
Band12	10MHz	16QAM	23095	100RB#0	4.64	13	PASS
Band12	10MHz	16QAM	23130	100RB#0	4.70	13	PASS

### Test Graphs

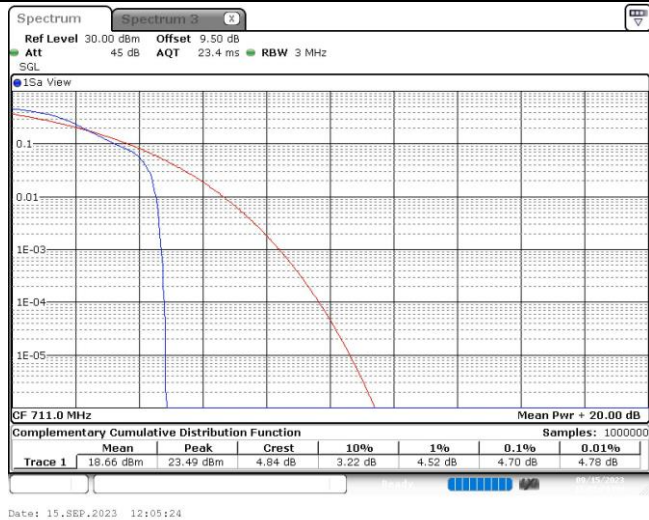
Band12-10MHz-QPSK-23060-100RB#0



Band12-10MHz-QPSK-23095-100RB#0

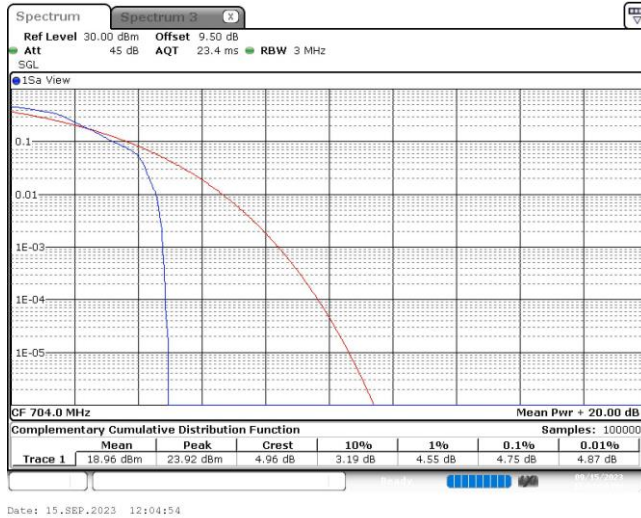


Band12-10MHz-QPSK-23130-100RB#0

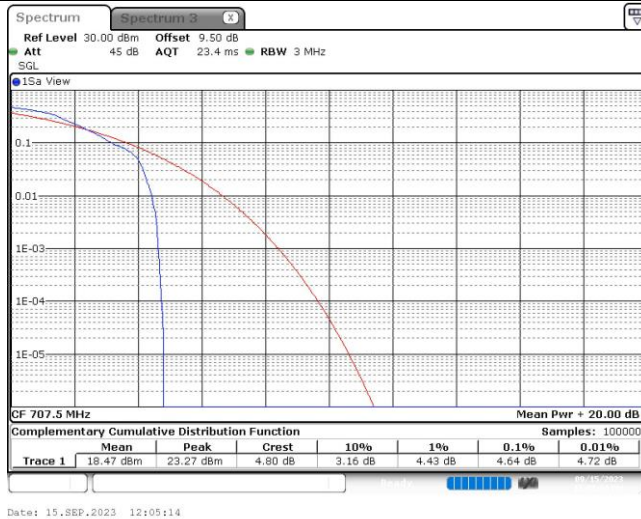




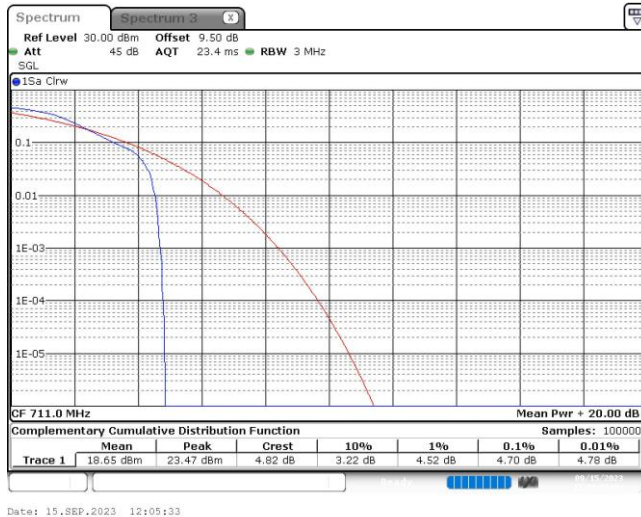
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Band12-10MHz-16QAM-23095-100RB#0



Band12-10MHz-16QAM-23130-100RB#0

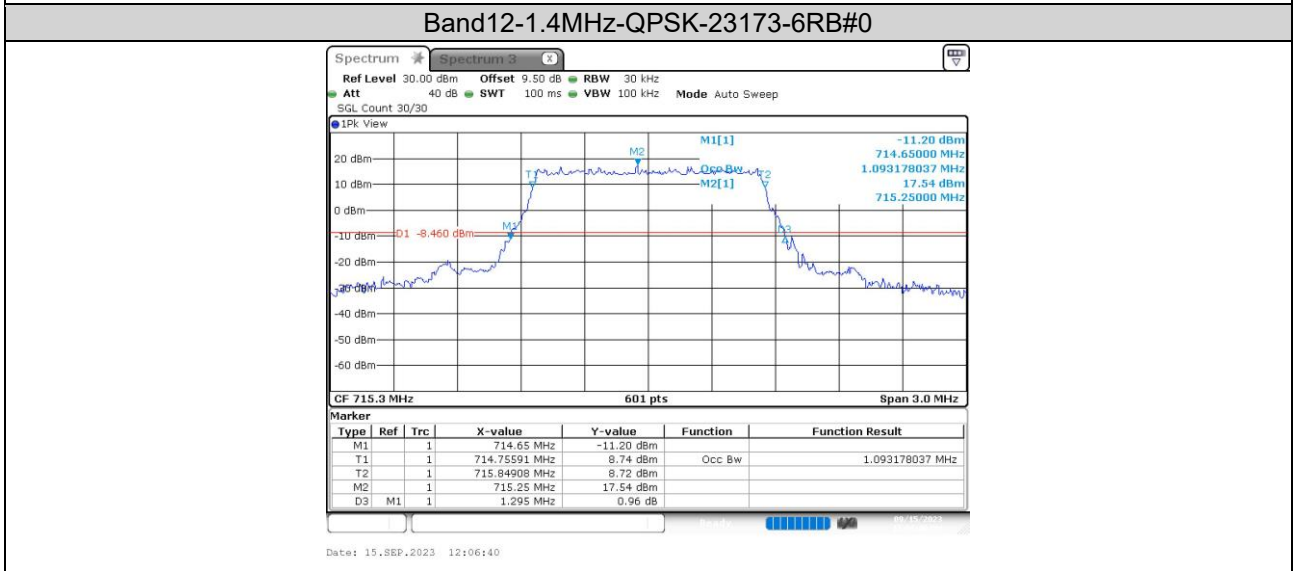
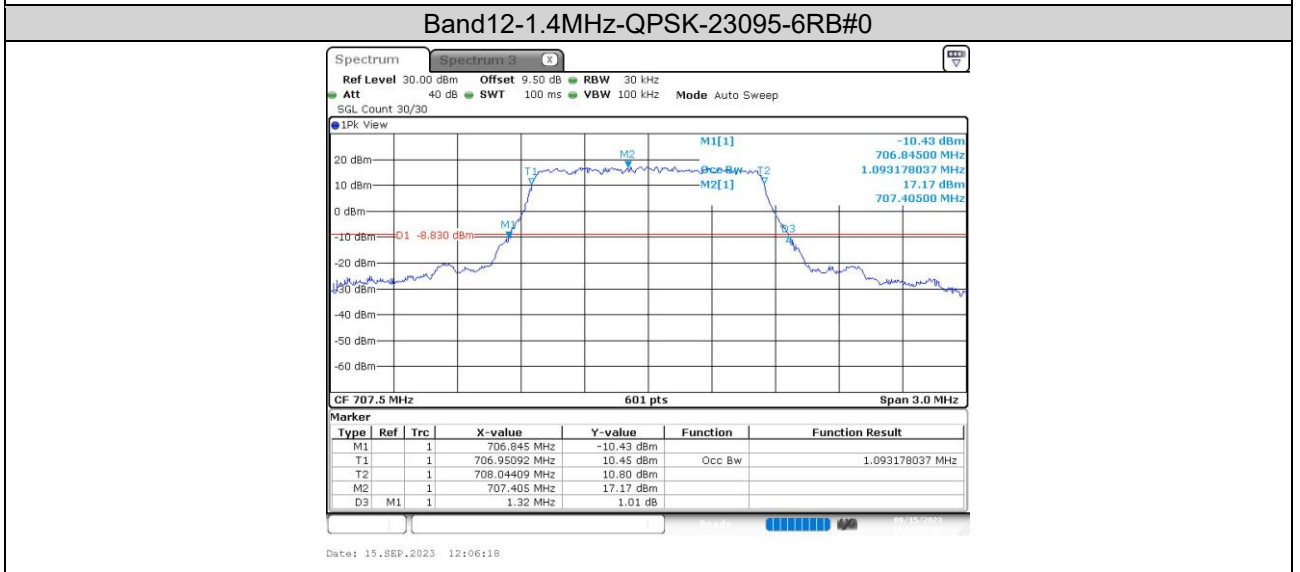
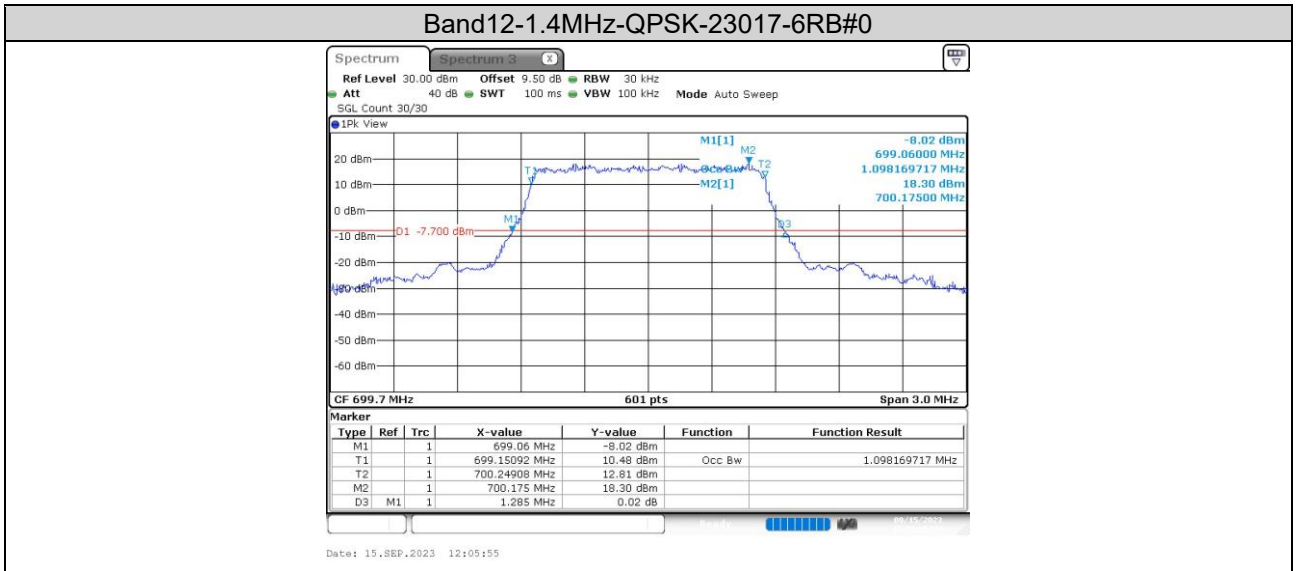


## APPENDIX G.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

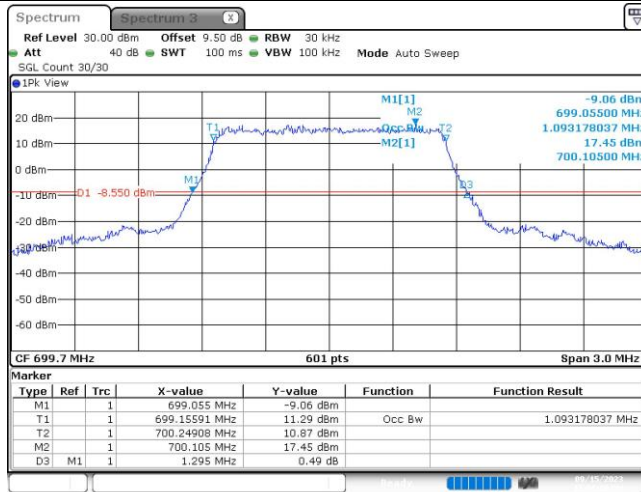
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.098	1.28	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.093	1.32	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.093	1.29	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.093	1.29	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.093	1.28	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.098	1.29	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.705	2.97	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.696	2.99	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.705	2.99	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.705	3.01	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.696	2.99	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.696	2.99	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.486	4.95	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.93	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.92	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.466	4.88	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.476	4.96	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	4.94	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.918	9.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.952	9.80	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.918	9.70	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.918	9.73	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.952	9.73	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.918	9.77	PASS

### Test Graphs

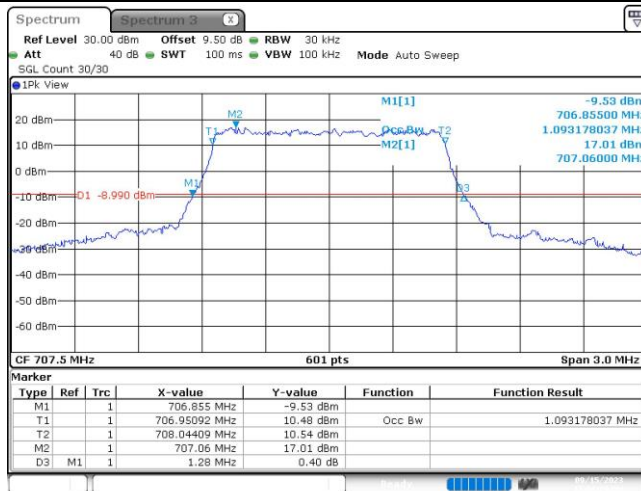


Band12-1.4MHz-16QAM-23017-6RB#0



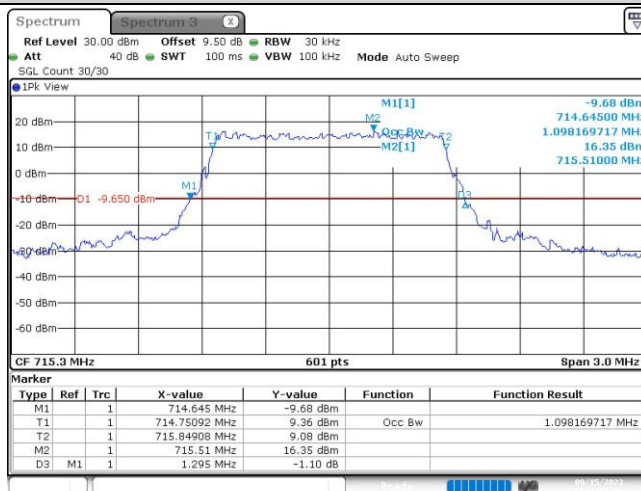
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Band12-1.4MHz-16QAM-23095-6RB#0



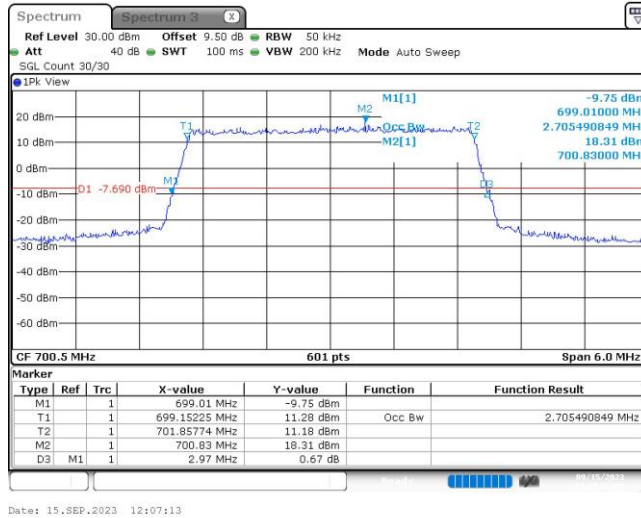
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Band12-1.4MHz-16QAM-23173-6RB#0

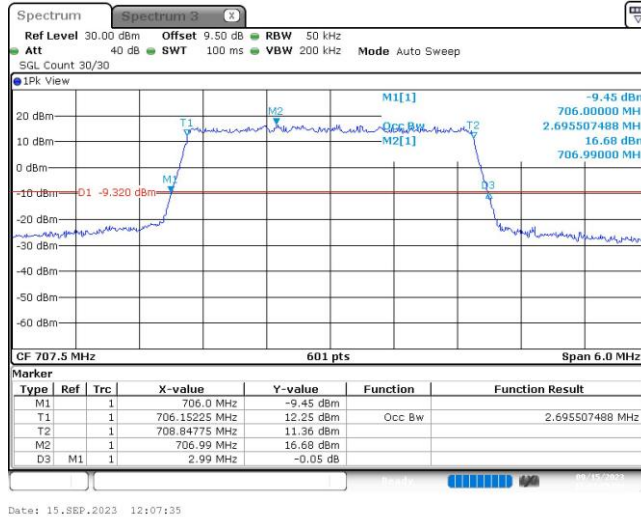


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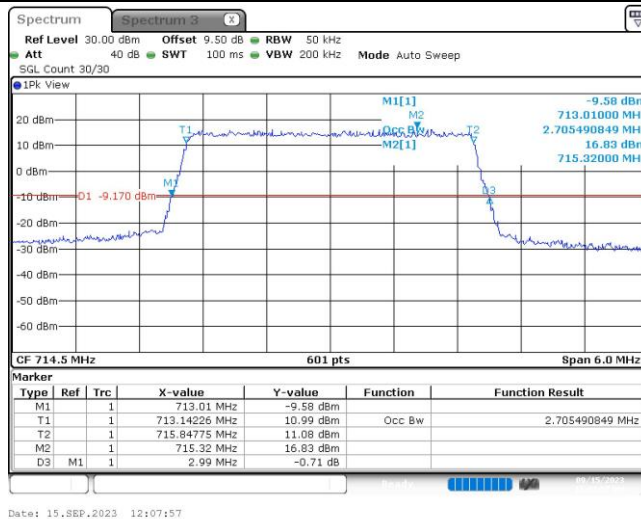
Band12-3MHz-QPSK-23025-15RB#0



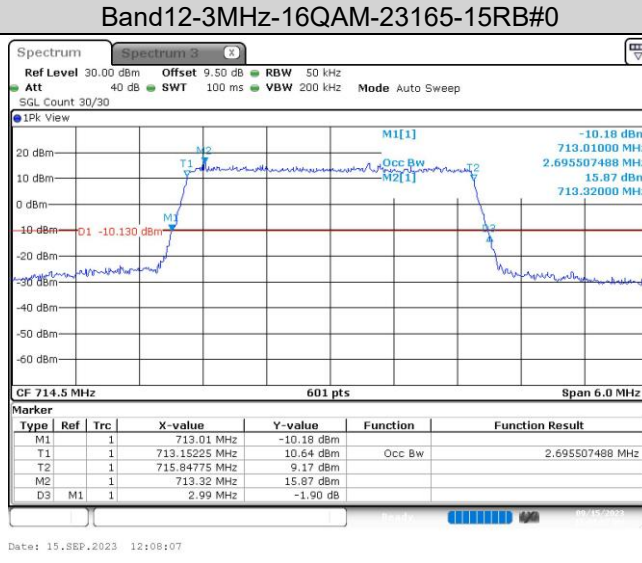
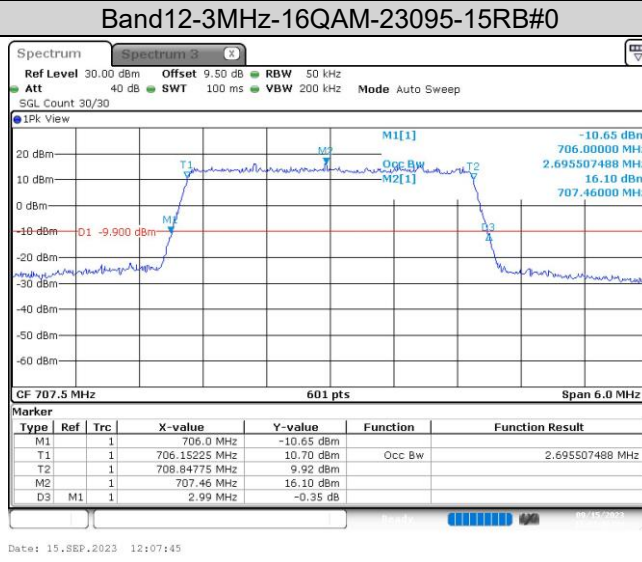
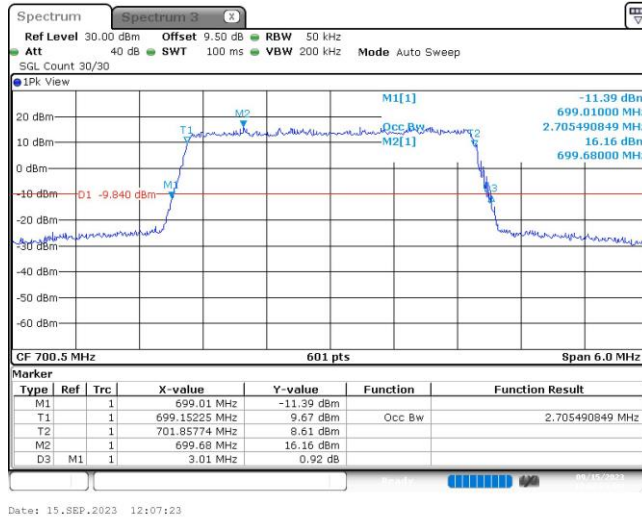
Band12-3MHz-QPSK-23095-15RB#0

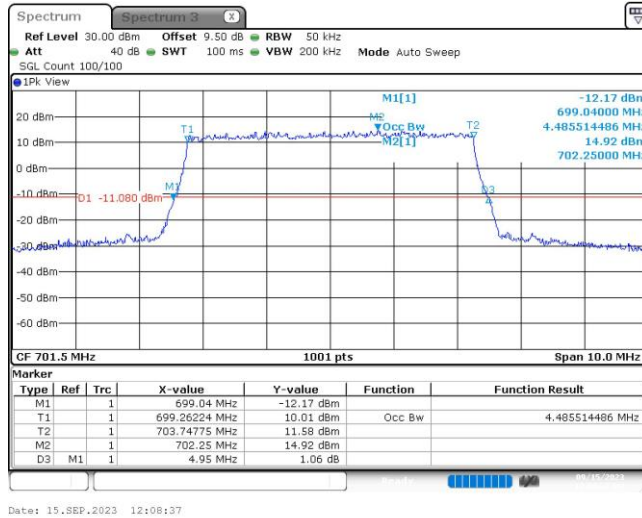


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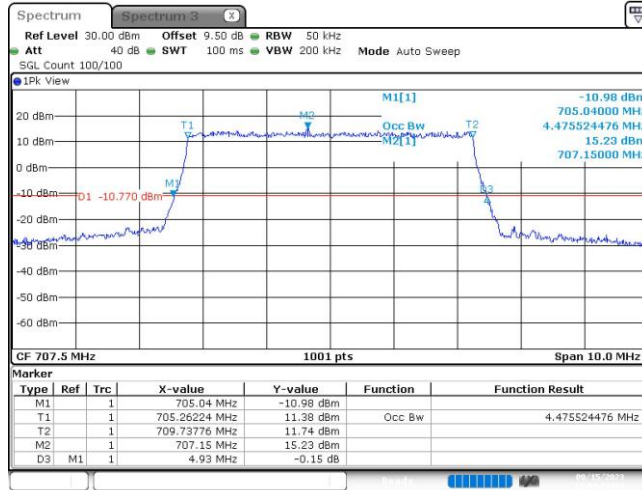
Band12-3MHz-16QAM-23025-15RB#0





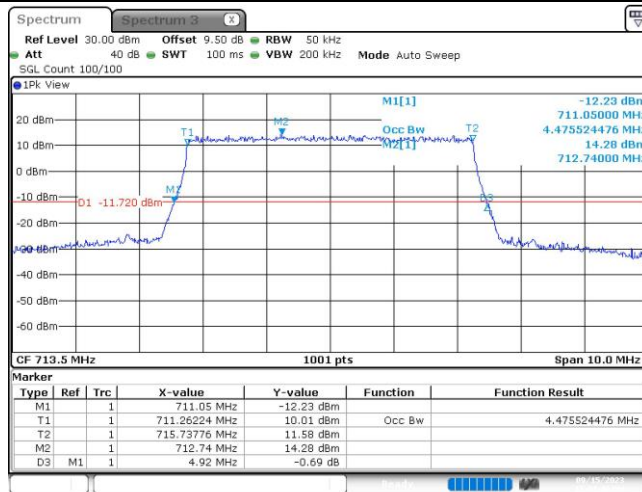
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Band12-5MHz-QPSK-23095-25RB#0



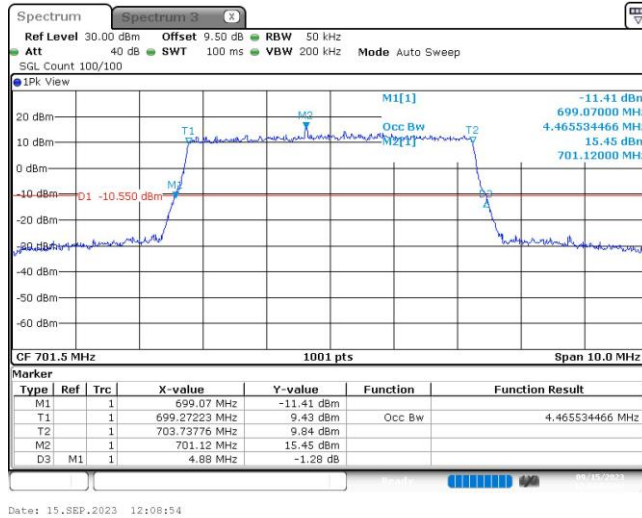
Date: 15\_SEP.2023 12:09:13

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



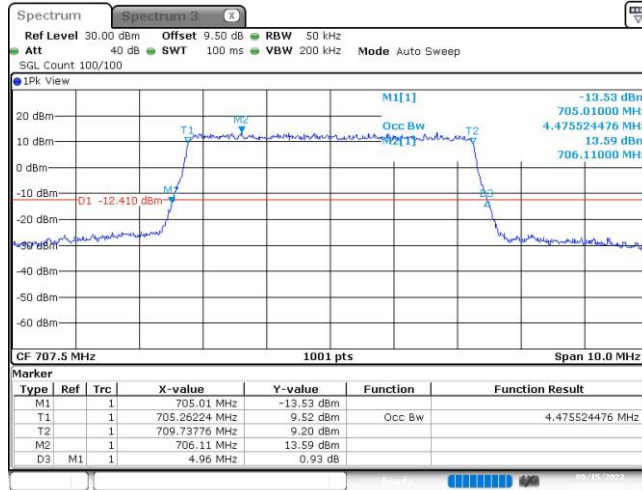
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Band12-5MHz-16QAM-23035-25RB#0



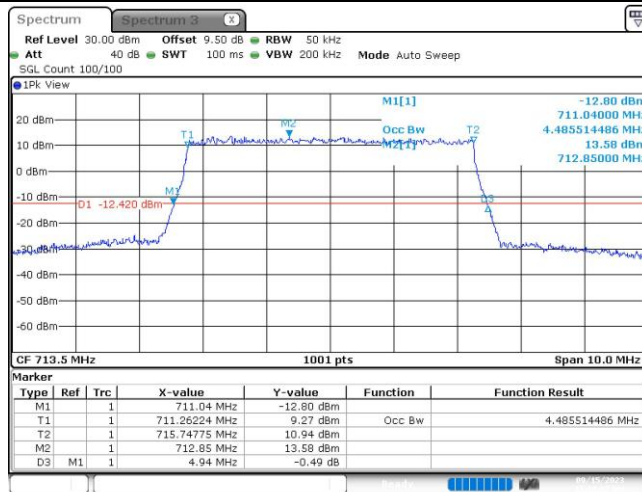
Date: 15\_SEP.2023 12:08:54

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



Date: 15\_SEP.2023 12:09:31

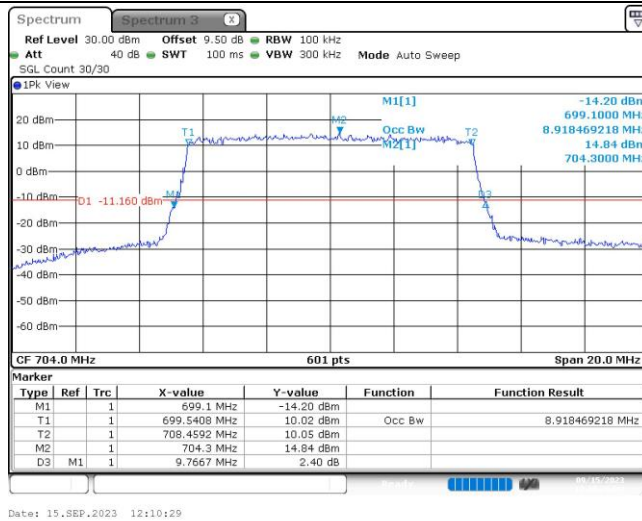
Band12-5MHz-16QAM-23155-25RB#0



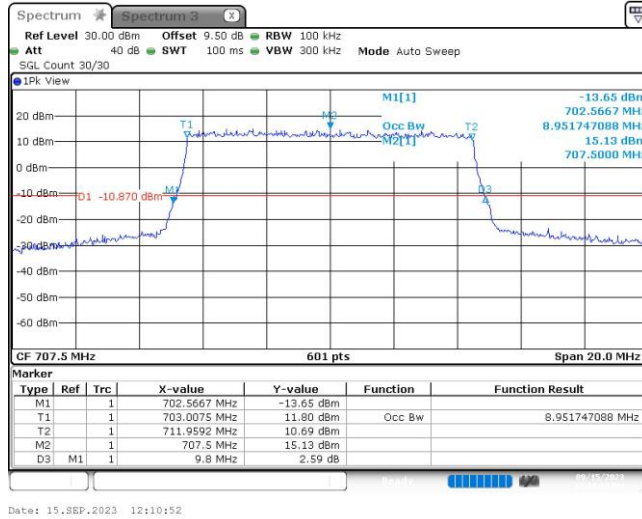
Date: 15\_SEP.2023 12:10:07

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

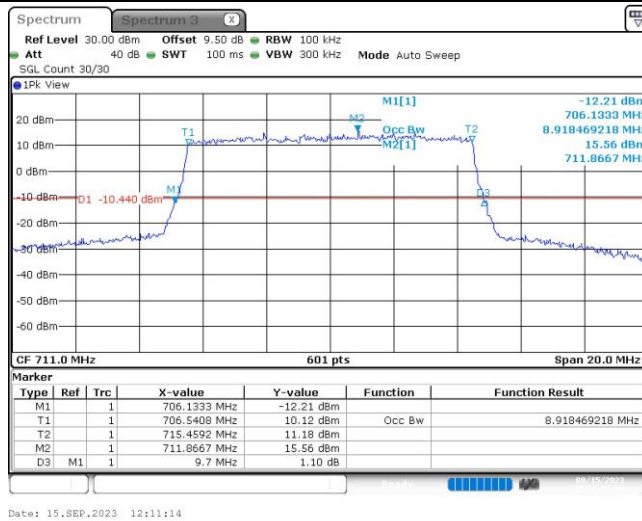




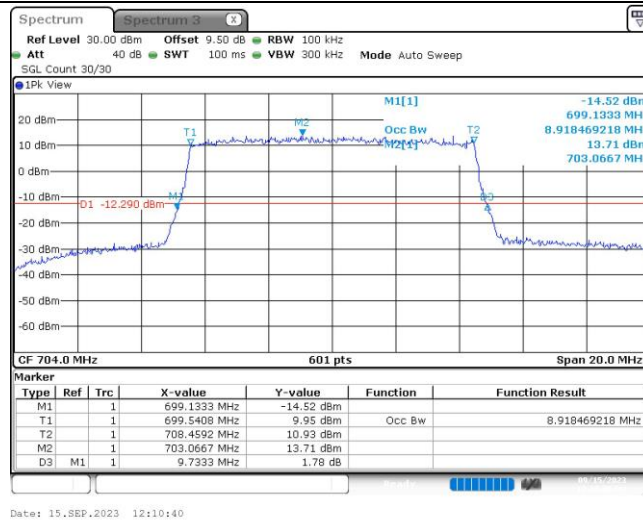
**Band12-10MHz-QPSK-23095-50RB#0**



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

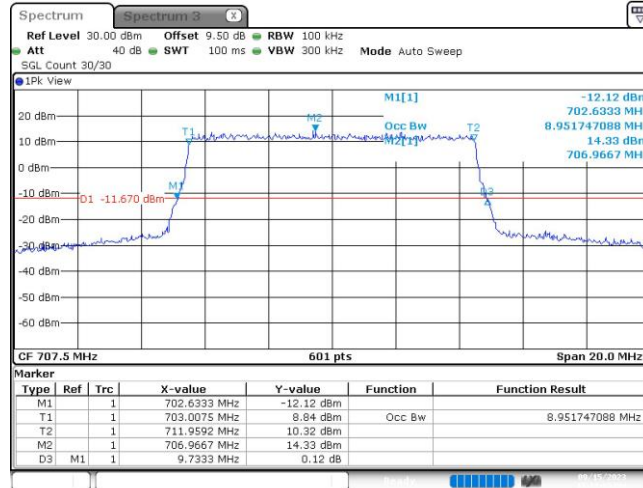


**Band12-10MHz-16QAM-23060-50RB#0**



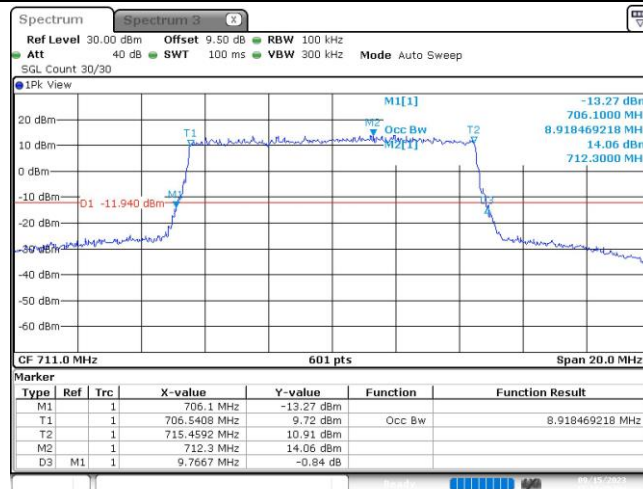
Date: 15.SEP.2023 12:10:40

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



Date: 15.SEP.2023 12:11:02

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



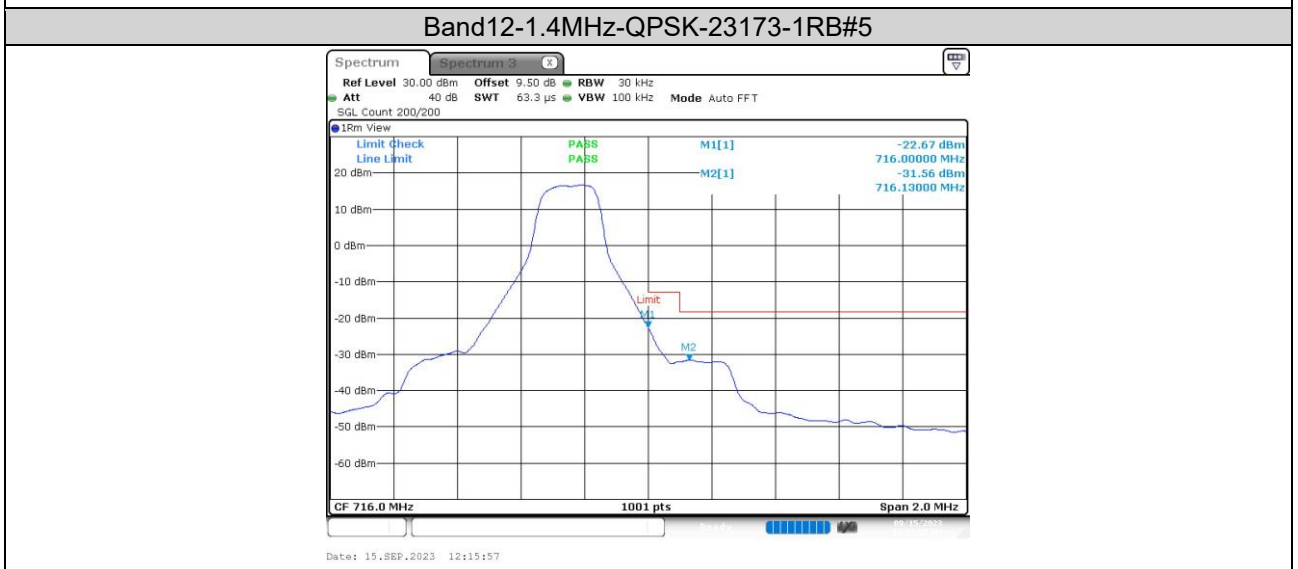
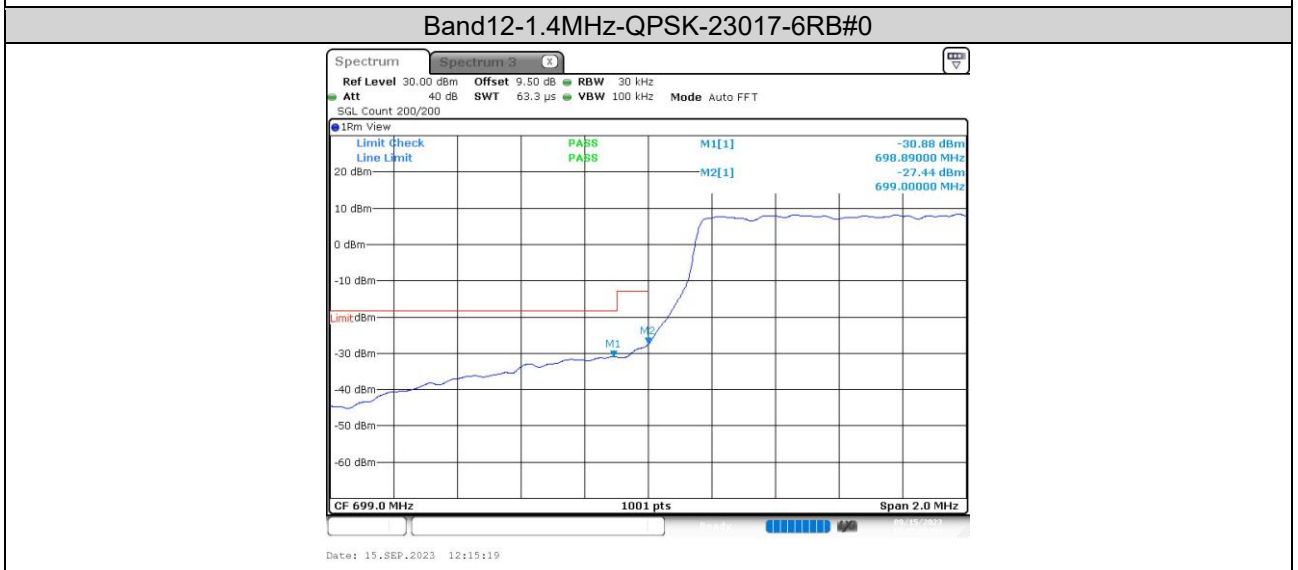
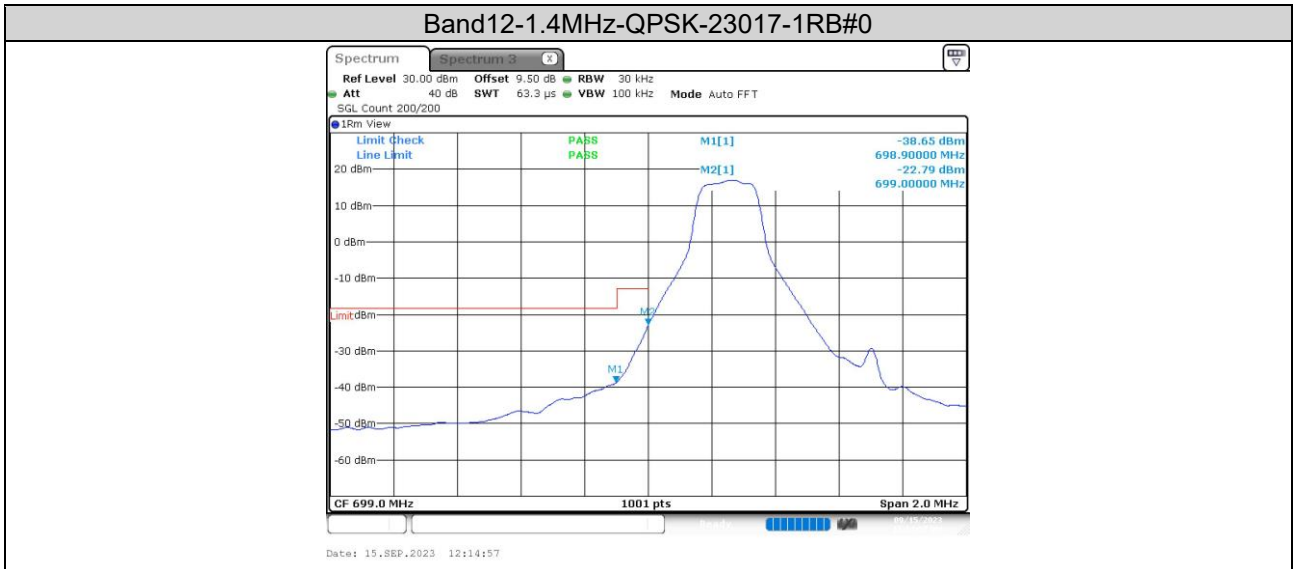
Date: 15.SEP.2023 12:11:25

## APPENDIX G.4: BAND EDGE

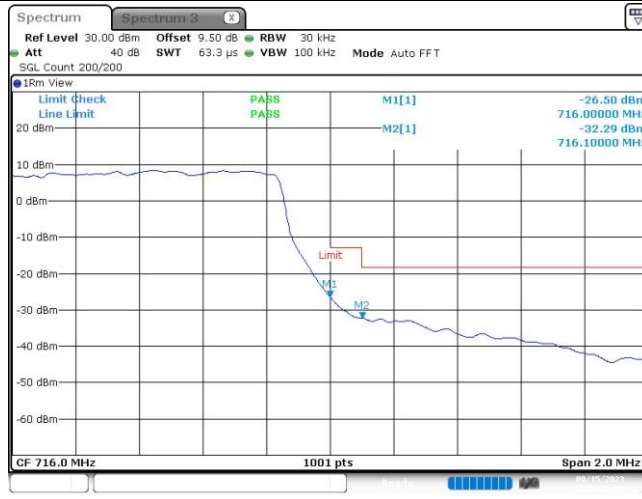
### Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-38.65,-22.79	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-30.88,-27.44	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-22.67,-31.56	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.50,-32.29	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-38.82,-23.85	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-32.02,-27.70	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-22.43,-31.53	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-28.77,-33.48	PASS
Band12	3MHz	QPSK	23025	1RB#0	-34.23,-17.68	PASS
Band12	3MHz	QPSK	23025	15RB#0	-31.54,-24.36	PASS
Band12	3MHz	QPSK	23165	1RB#14	-16.44,-32.21	PASS
Band12	3MHz	QPSK	23165	15RB#0	-25.66,-34.00	PASS
Band12	3MHz	16QAM	23025	1RB#0	-35.25,-19.00	PASS
Band12	3MHz	16QAM	23025	15RB#0	-33.51,-27.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	-19.93,-33.67	PASS
Band12	3MHz	16QAM	23165	15RB#0	-27.70,-34.90	PASS
Band12	5MHz	QPSK	23035	1RB#0	-35.18,-22.56	PASS
Band12	5MHz	QPSK	23035	25RB#0	-33.69,-29.04	PASS
Band12	5MHz	QPSK	23155	1RB#24	-21.20,-34.18	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.92,-33.36	PASS
Band12	5MHz	16QAM	23035	1RB#0	-36.05,-24.22	PASS
Band12	5MHz	16QAM	23035	25RB#0	-34.41,-30.24	PASS
Band12	5MHz	16QAM	23155	1RB#24	-23.54,-35.38	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.57,-35.09	PASS
Band12	10MHz	QPSK	23060	1RB#0	-32.52	PASS
Band12	10MHz	QPSK	23060	50RB#0	-30.54	PASS
Band12	10MHz	QPSK	23130	1RB#49	-35.05	PASS
Band12	10MHz	QPSK	23130	50RB#0	-31.43	PASS
Band12	10MHz	16QAM	23060	1RB#0	-34.33	PASS
Band12	10MHz	16QAM	23060	50RB#0	-33.51	PASS
Band12	10MHz	16QAM	23130	1RB#49	-32.13	PASS
Band12	10MHz	16QAM	23130	50RB#0	-33.36	PASS

### Test Graphs



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



Date: 15\_SEP\_2023 12:16:19

Band12-1.4MHz-16QAM-23017-1RB#0



Date: 15\_SEP\_2023 12:15:08

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

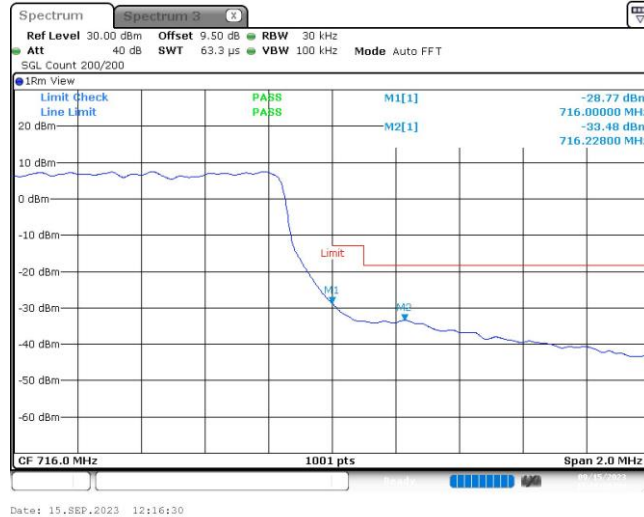


Date: 15\_SEP\_2023 12:15:30

Band12-1.4MHz-16QAM-23173-1RB#5



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



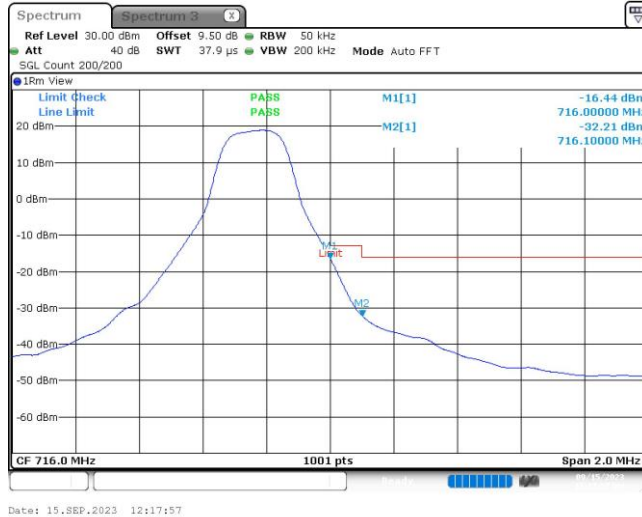
Band12-3MHz-QPSK-23025-1RB#0



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



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



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



Band12-3MHz-16QAM-23025-1RB#0



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



Band12-3MHz-16QAM-23165-1RB#14

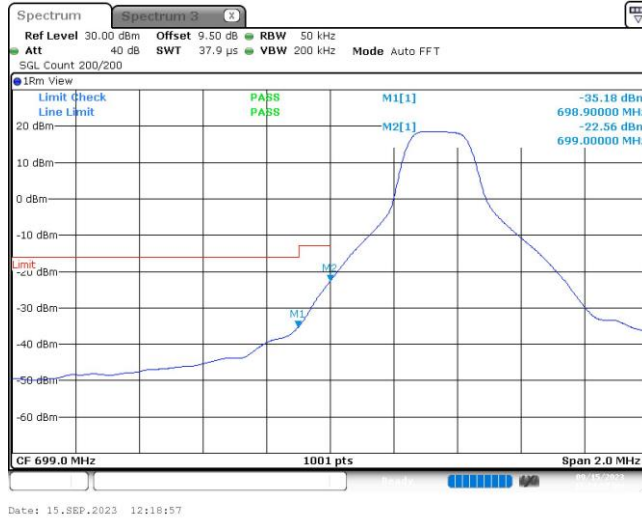


Band12-3MHz-16QAM-23165-15RB#0





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



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



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



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



Band12-5MHz-16QAM-23035-1RB#0



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



Band12-5MHz-16QAM-23155-1RB#24



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



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



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



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



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



Band12-10MHz-16QAM-23060-1RB#0



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



Band12-10MHz-16QAM-23130-1RB#49



Date: 15\_SEP\_2023 12:22:06

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



Date: 15\_SEP\_2023 12:22:27

## APPENDIX G.5: CONDUCTED SPURIOUS EMISSIONS

### Test Result

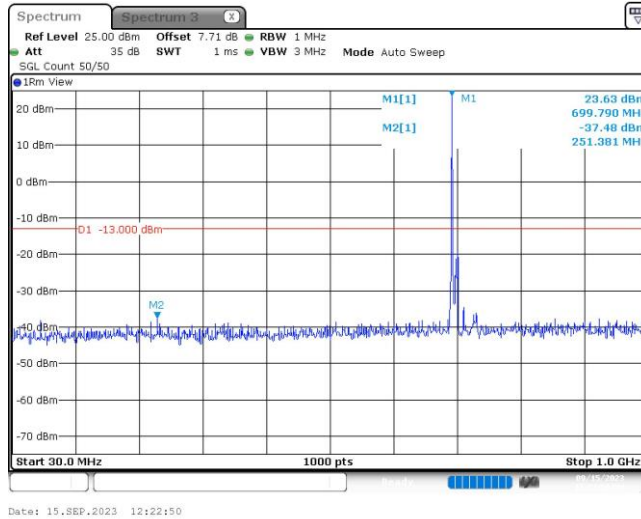
General:

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-37.48	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-40.48	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-37.21	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-36.41	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-37.61	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-34.91	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-38.1	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-37.06	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-36.89	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-37.03	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-37.5	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-34.93	PASS

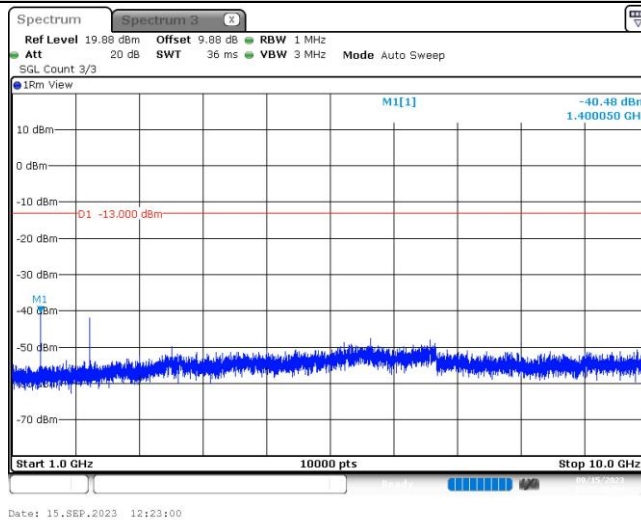
### Test Graphs

General:

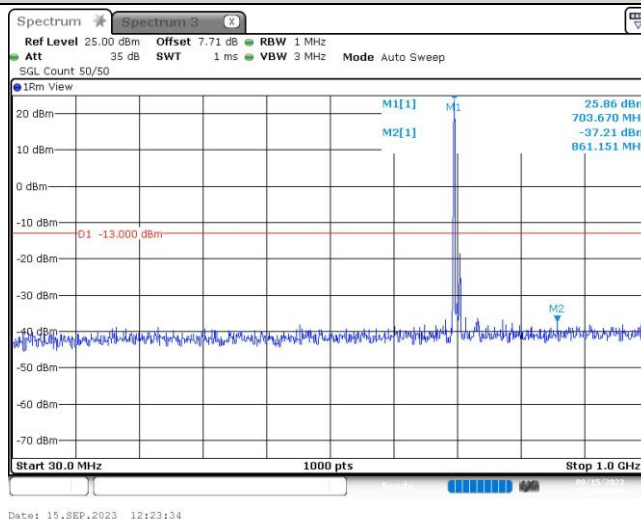
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz

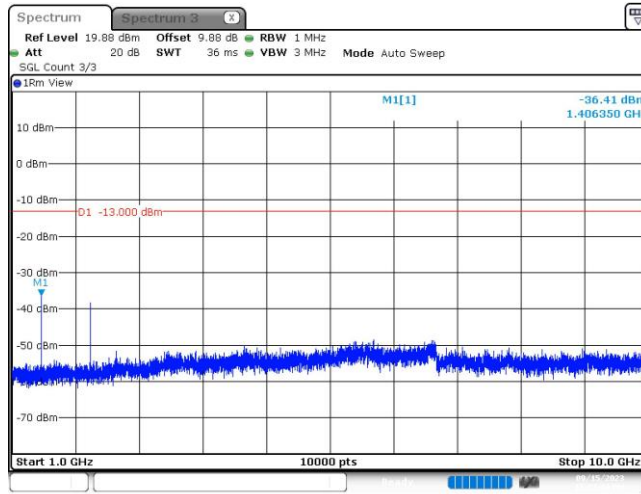


Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



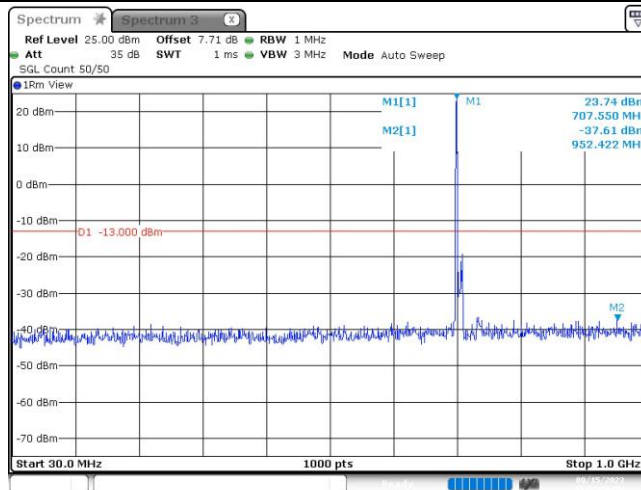


Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



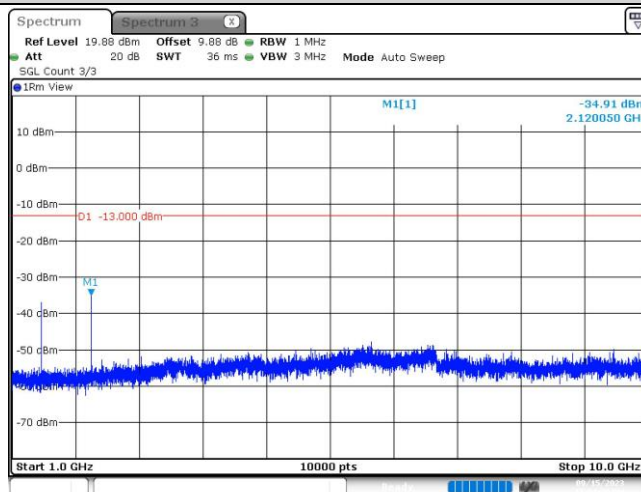
Date: 15\_SEP\_2023 12:23:44

Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



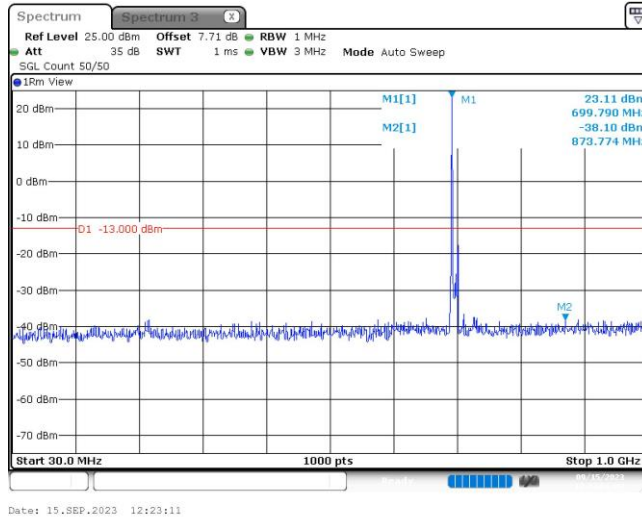
Date: 15\_SEP\_2023 12:24:19

Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz

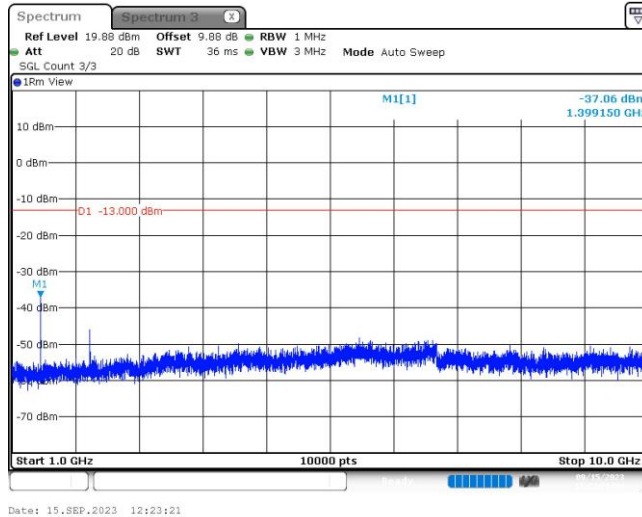


Date: 15\_SEP\_2023 12:24:29

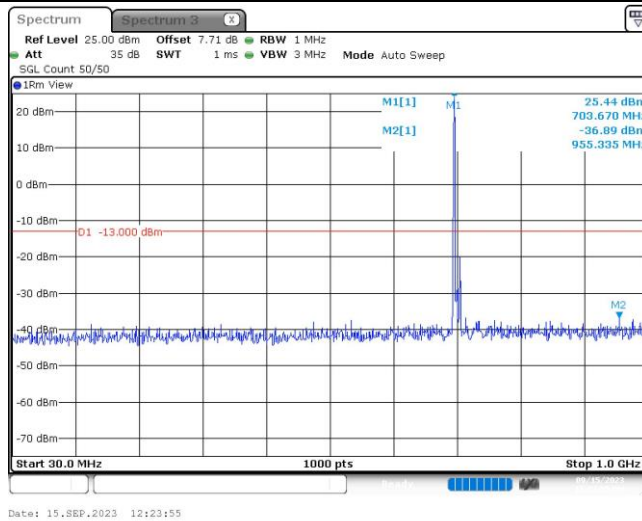
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



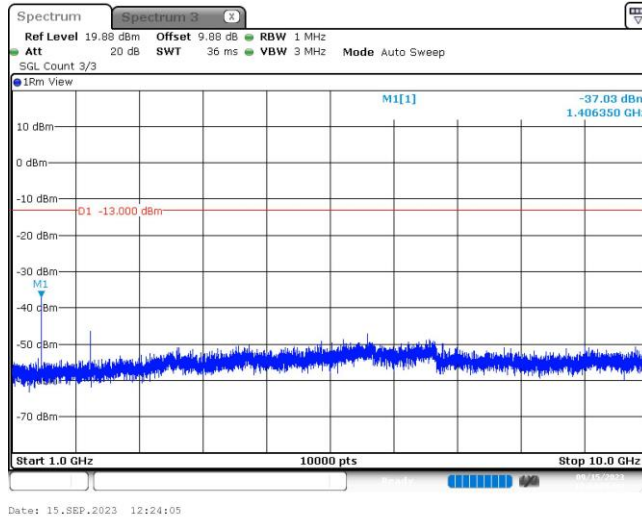
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



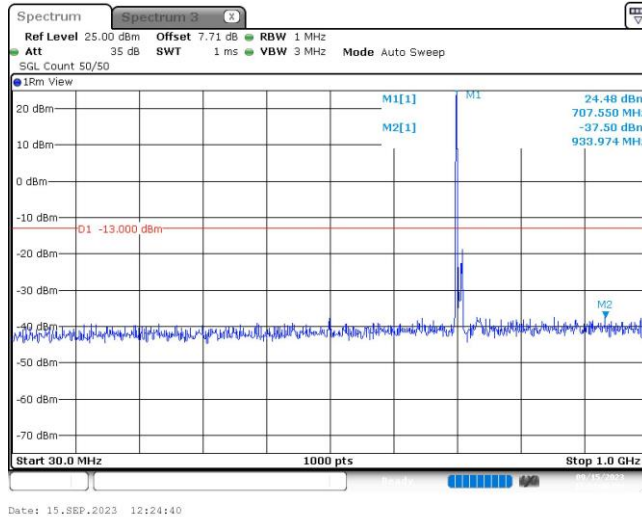
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



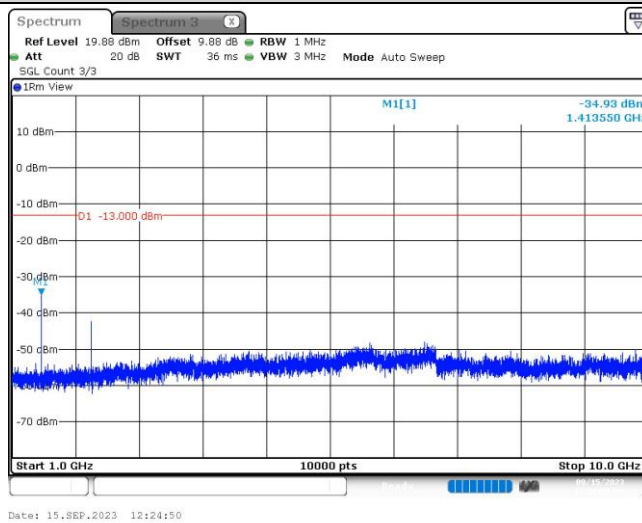
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



## APPENDIX G.6: FREQUENCY STABILITY

### Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	100RB#0	VL	NT	-3.43	-0.004872	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	VN	NT	1.52	0.002159	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	VH	NT	-1.72	-0.002443	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	VL	NT	-2.17	-0.003067	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	VN	NT	-4.36	-0.006163	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	VH	NT	1.22	0.001724	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	VL	NT	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	VN	NT	-3.58	-0.005035	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	VH	NT	-3.16	-0.004444	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	VL	NT	2.80	0.003977	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	VN	NT	1.57	0.002230	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	VH	NT	-2.10	-0.002983	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	VL	NT	1.32	0.001866	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	VN	NT	1.09	0.001541	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	VH	NT	-1.66	-0.002346	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	VL	NT	-4.25	-0.005977	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	VN	NT	-2.95	-0.004149	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	VH	NT	-3.06	-0.004304	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	100RB#0	NV	-30	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	-20	3.40	0.004830	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	0	2.46	0.003494	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	10	2.00	0.002841	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	20	3.02	0.004290	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	30	-2.02	-0.002869	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	40	-1.47	-0.002088	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	50	-3.16	-0.004489	±2.5	PASS
Band12	10MHz	QPSK	23060	100RB#0	NV	55	1.70	0.002415	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	-30	3.89	0.005498	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	-20	-2.45	-0.003463	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	0	1.87	0.002643	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	10	-3.68	-0.005201	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	20	-2.36	-0.003336	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	30	-1.76	-0.002488	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	40	-3.12	-0.004410	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	50	-2.22	-0.003138	±2.5	PASS
Band12	10MHz	QPSK	23095	100RB#0	NV	55	1.65	0.002332	±2.5	PASS

Band12	10MHz	QPSK	23130	100RB#0	NV	-30	-2.95	-0.004149	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	-20	-2.49	-0.003502	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	0	1.67	0.002349	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	10	-3.06	-0.004304	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	20	-2.79	-0.003924	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	30	-2.76	-0.003882	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	40	-3.19	-0.004487	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	50	-2.66	-0.003741	±2.5	PASS
Band12	10MHz	QPSK	23130	100RB#0	NV	55	-2.89	-0.004065	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	-30	-2.72	-0.003864	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	-20	4.12	0.005852	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	0	1.99	0.002827	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	10	-1.06	-0.001506	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	20	-1.93	-0.002741	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	30	1.49	0.002116	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	40	-2.62	-0.003722	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	50	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	16QAM	23060	100RB#0	NV	55	-2.42	-0.003438	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	-30	-2.27	-0.003208	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	-20	-1.97	-0.002784	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	0	1.96	0.002770	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	10	2.17	0.003067	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	20	-2.60	-0.003675	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	30	-2.16	-0.003053	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	40	-2.37	-0.003350	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	50	-4.39	-0.006205	±2.5	PASS
Band12	10MHz	16QAM	23095	100RB#0	NV	55	2.22	0.003138	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	-30	-5.05	-0.007103	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	-20	-2.92	-0.004107	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	0	-2.23	-0.003136	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	10	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	20	-3.12	-0.004388	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	30	-2.27	-0.003193	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	40	-4.41	-0.006203	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	50	-1.86	-0.002616	±2.5	PASS
Band12	10MHz	16QAM	23130	100RB#0	NV	55	-2.46	-0.003460	±2.5	PASS