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Appendix B

E-UTRA BAND 12



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1. Effective (Isotropic) Radiated Power

1.1.Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
BAND12	1.4MHz	QPSK	23017	1RB#0	22.92	19.77	34.77	PASS
BAND12	1.4MHz	QPSK	23017	1RB#2	23.08	19.93	34.77	PASS
BAND12	1.4MHz	QPSK	23017	1RB#5	23.09	19.94	34.77	PASS
BAND12	1.4MHz	QPSK	23017	3RB#0	23.04	19.89	34.77	PASS
BAND12	1.4MHz	QPSK	23017	3RB#1	23.18	20.03	34.77	PASS
BAND12	1.4MHz	QPSK	23017	3RB#3	23.00	19.85	34.77	PASS
BAND12	1.4MHz	QPSK	23017	6RB#0	22.24	19.09	34.77	PASS
BAND12	1.4MHz	QPSK	23095	1RB#0	22.92	19.77	34.77	PASS
BAND12	1.4MHz	QPSK	23095	1RB#2	23.09	19.94	34.77	PASS
BAND12	1.4MHz	QPSK	23095	1RB#5	23.13	19.98	34.77	PASS
BAND12	1.4MHz	QPSK	23095	3RB#0	22.81	19.66	34.77	PASS
BAND12	1.4MHz	QPSK	23095	3RB#1	23.16	20.01	34.77	PASS
BAND12	1.4MHz	QPSK	23095	3RB#3	23.20	20.05	34.77	PASS
BAND12	1.4MHz	QPSK	23095	6RB#0	22.20	19.05	34.77	PASS
BAND12	1.4MHz	QPSK	23173	1RB#0	22.64	19.49	34.77	PASS
BAND12	1.4MHz	QPSK	23173	1RB#2	22.55	19.4	34.77	PASS
BAND12	1.4MHz	QPSK	23173	1RB#5	22.72	19.57	34.77	PASS
BAND12	1.4MHz	QPSK	23173	3RB#0	22.83	19.68	34.77	PASS
BAND12	1.4MHz	QPSK	23173	3RB#1	22.86	19.71	34.77	PASS
BAND12	1.4MHz	QPSK	23173	3RB#3	22.74	19.59	34.77	PASS
BAND12	1.4MHz	QPSK	23173	6RB#0	22.03	18.88	34.77	PASS
BAND12	1.4MHz	16QAM	23017	1RB#0	22.25	19.1	34.77	PASS
BAND12	1.4MHz	16QAM	23017	1RB#2	22.40	19.25	34.77	PASS
BAND12	1.4MHz	16QAM	23017	1RB#5	22.43	19.28	34.77	PASS
BAND12	1.4MHz	16QAM	23017	3RB#0	22.38	19.23	34.77	PASS
BAND12	1.4MHz	16QAM	23017	3RB#1	22.52	19.37	34.77	PASS
BAND12	1.4MHz	16QAM	23017	3RB#3	22.15	19	34.77	PASS
BAND12	1.4MHz	16QAM	23017	6RB#0	21.12	17.97	34.77	PASS
BAND12	1.4MHz	16QAM	23095	1RB#0	22.20	19.05	34.77	PASS
BAND12	1.4MHz	16QAM	23095	1RB#2	22.44	19.29	34.77	PASS
BAND12	1.4MHz	16QAM	23095	1RB#5	22.35	19.2	34.77	PASS
BAND12	1.4MHz	16QAM	23095	3RB#0	22.54	19.39	34.77	PASS
BAND12	1.4MHz	16QAM	23095	3RB#1	22.53	19.38	34.77	PASS
BAND12	1.4MHz	16QAM	23095	3RB#3	22.52	19.37	34.77	PASS



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BAND12	1.4MHz	16QAM	23095	6RB#0	21.33	18.18	34.77	PASS
BAND12	1.4MHz	16QAM	23173	1RB#0	22.01	18.86	34.77	PASS
BAND12	1.4MHz	16QAM	23173	1RB#2	22.20	19.05	34.77	PASS
BAND12	1.4MHz	16QAM	23173	1RB#5	22.09	18.94	34.77	PASS
BAND12	1.4MHz	16QAM	23173	3RB#0	22.33	19.18	34.77	PASS
BAND12	1.4MHz	16QAM	23173	3RB#1	22.09	18.94	34.77	PASS
BAND12	1.4MHz	16QAM	23173	3RB#3	22.15	19	34.77	PASS
BAND12	1.4MHz	16QAM	23173	6RB#0	20.98	17.83	34.77	PASS
BAND12	3MHz	QPSK	23025	1RB#0	23.18	20.03	34.77	PASS
BAND12	3MHz	QPSK	23025	1RB#8	23.04	19.89	34.77	PASS
BAND12	3MHz	QPSK	23025	1RB#14	22.65	19.5	34.77	PASS
BAND12	3MHz	QPSK	23025	8RB#0	22.20	19.05	34.77	PASS
BAND12	3MHz	QPSK	23025	8RB#4	22.11	18.96	34.77	PASS
BAND12	3MHz	QPSK	23025	8RB#7	21.93	18.78	34.77	PASS
BAND12	3MHz	QPSK	23025	15RB#0	22.04	18.89	34.77	PASS
BAND12	3MHz	QPSK	23095	1RB#0	22.84	19.69	34.77	PASS
BAND12	3MHz	QPSK	23095	1RB#8	23.15	20	34.77	PASS
BAND12	3MHz	QPSK	23095	1RB#14	23.21	20.06	34.77	PASS
BAND12	3MHz	QPSK	23095	8RB#0	22.09	18.94	34.77	PASS
BAND12	3MHz	QPSK	23095	8RB#4	22.21	19.06	34.77	PASS
BAND12	3MHz	QPSK	23095	8RB#7	22.36	19.21	34.77	PASS
BAND12	3MHz	QPSK	23095	15RB#0	22.20	19.05	34.77	PASS
BAND12	3MHz	QPSK	23165	1RB#0	22.83	19.68	34.77	PASS
BAND12	3MHz	QPSK	23165	1RB#8	22.51	19.36	34.77	PASS
BAND12	3MHz	QPSK	23165	1RB#14	22.63	19.48	34.77	PASS
BAND12	3MHz	QPSK	23165	8RB#0	22.16	19.01	34.77	PASS
BAND12	3MHz	QPSK	23165	8RB#4	21.80	18.65	34.77	PASS
BAND12	3MHz	QPSK	23165	8RB#7	21.81	18.66	34.77	PASS
BAND12	3MHz	QPSK	23165	15RB#0	22.00	18.85	34.77	PASS
BAND12	3MHz	16QAM	23025	1RB#0	22.48	19.33	34.77	PASS
BAND12	3MHz	16QAM	23025	1RB#8	22.16	19.01	34.77	PASS
BAND12	3MHz	16QAM	23025	1RB#14	21.99	18.84	34.77	PASS
BAND12	3MHz	16QAM	23025	8RB#0	21.48	18.33	34.77	PASS
BAND12	3MHz	16QAM	23025	8RB#4	21.32	18.17	34.77	PASS
BAND12	3MHz	16QAM	23025	8RB#7	21.02	17.87	34.77	PASS
BAND12	3MHz	16QAM	23025	15RB#0	21.18	18.03	34.77	PASS
BAND12	3MHz	16QAM	23095	1RB#0	22.35	19.2	34.77	PASS
BAND12	3MHz	16QAM	23095	1RB#8	22.27	19.12	34.77	PASS
BAND12	3MHz	16QAM	23095	1RB#14	22.39	19.24	34.77	PASS
BAND12	3MHz	16QAM	23095	8RB#0	21.11	17.96	34.77	PASS
BAND12	3MHz	16QAM	23095	8RB#4	21.20	18.05	34.77	PASS
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BAND12	3MHz	16QAM	23095	8RB#7	21.15	18	34.77	PASS
BAND12	3MHz	16QAM	23095	15RB#0	21.52	18.37	34.77	PASS
BAND12	3MHz	16QAM	23165	1RB#0	22.08	18.93	34.77	PASS
BAND12	3MHz	16QAM	23165	1RB#8	22.02	18.87	34.77	PASS
BAND12	3MHz	16QAM	23165	1RB#14	21.84	18.69	34.77	PASS
BAND12	3MHz	16QAM	23165	8RB#0	20.91	17.76	34.77	PASS
BAND12	3MHz	16QAM	23165	8RB#4	20.81	17.66	34.77	PASS
BAND12	3MHz	16QAM	23165	8RB#7	20.82	17.67	34.77	PASS
BAND12	3MHz	16QAM	23165	15RB#0	21.25	18.1	34.77	PASS
BAND12	5MHz	QPSK	23035	1RB#0	23.04	19.89	34.77	PASS
BAND12	5MHz	QPSK	23035	1RB#12	22.73	19.58	34.77	PASS
BAND12	5MHz	QPSK	23035	1RB#24	22.64	19.49	34.77	PASS
BAND12	5MHz	QPSK	23035	12RB#0	22.26	19.11	34.77	PASS
BAND12	5MHz	QPSK	23035	12RB#6	21.92	18.77	34.77	PASS
BAND12	5MHz	QPSK	23035	12RB#13	21.97	18.82	34.77	PASS
BAND12	5MHz	QPSK	23035	25RB#0	22.08	18.93	34.77	PASS
BAND12	5MHz	QPSK	23095	1RB#0	22.82	19.67	34.77	PASS
BAND12	5MHz	QPSK	23095	1RB#12	22.89	19.74	34.77	PASS
BAND12	5MHz	QPSK	23095	1RB#24	23.07	19.92	34.77	PASS
BAND12	5MHz	QPSK	23095	12RB#0	22.02	18.87	34.77	PASS
BAND12	5MHz	QPSK	23095	12RB#6	22.37	19.22	34.77	PASS
BAND12	5MHz	QPSK	23095	12RB#13	22.40	19.25	34.77	PASS
BAND12	5MHz	QPSK	23095	25RB#0	22.12	18.97	34.77	PASS
BAND12	5MHz	QPSK	23155	1RB#0	23.02	19.87	34.77	PASS
BAND12	5MHz	QPSK	23155	1RB#12	22.51	19.36	34.77	PASS
BAND12	5MHz	QPSK	23155	1RB#24	22.62	19.47	34.77	PASS
BAND12	5MHz	QPSK	23155	12RB#0	22.26	19.11	34.77	PASS
BAND12	5MHz	QPSK	23155	12RB#6	21.88	18.73	34.77	PASS
BAND12	5MHz	QPSK	23155	12RB#13	21.80	18.65	34.77	PASS
BAND12	5MHz	QPSK	23155	25RB#0	22.01	18.86	34.77	PASS
BAND12	5MHz	16QAM	23035	1RB#0	22.44	19.29	34.77	PASS
BAND12	5MHz	16QAM	23035	1RB#12	22.11	18.96	34.77	PASS
BAND12	5MHz	16QAM	23035	1RB#24	21.88	18.73	34.77	PASS
BAND12	5MHz	16QAM	23035	12RB#0	21.34	18.19	34.77	PASS
BAND12	5MHz	16QAM	23035	12RB#6	21.20	18.05	34.77	PASS
BAND12	5MHz	16QAM	23035	12RB#13	21.15	18	34.77	PASS
BAND12	5MHz	16QAM	23035	25RB#0	21.10	17.95	34.77	PASS
BAND12	5MHz	16QAM	23095	1RB#0	22.38	19.23	34.77	PASS
BAND12	5MHz	16QAM	23095	1RB#12	22.28	19.13	34.77	PASS
BAND12	5MHz	16QAM	23095	1RB#24	22.34	19.19	34.77	PASS
BAND12	5MHz	16QAM	23095	12RB#0	21.41	18.26	34.77	PASS
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BAND12	5MHz	16QAM	23095	12RB#6	21.45	18.3	34.77	PASS
BAND12	5MHz	16QAM	23095	12RB#13	21.20	18.05	34.77	PASS
BAND12	5MHz	16QAM	23095	25RB#0	21.15	18	34.77	PASS
BAND12	5MHz	16QAM	23155	1RB#0	22.28	19.13	34.77	PASS
BAND12	5MHz	16QAM	23155	1RB#12	22.41	19.26	34.77	PASS
BAND12	5MHz	16QAM	23155	1RB#24	21.89	18.74	34.77	PASS
BAND12	5MHz	16QAM	23155	12RB#0	21.15	18	34.77	PASS
BAND12	5MHz	16QAM	23155	12RB#6	20.94	17.79	34.77	PASS
BAND12	5MHz	16QAM	23155	12RB#13	20.95	17.8	34.77	PASS
BAND12	5MHz	16QAM	23155	25RB#0	20.98	17.83	34.77	PASS
BAND12	10MHz	QPSK	23060	1RB#0	22.90	19.75	34.77	PASS
BAND12	10MHz	QPSK	23060	1RB#24	22.65	19.5	34.77	PASS
BAND12	10MHz	QPSK	23060	1RB#49	22.89	19.74	34.77	PASS
BAND12	10MHz	QPSK	23060	25RB#0	22.17	19.02	34.77	PASS
BAND12	10MHz	QPSK	23060	25RB#12	21.83	18.68	34.77	PASS
BAND12	10MHz	QPSK	23060	25RB#25	21.99	18.84	34.77	PASS
BAND12	10MHz	QPSK	23060	50RB#0	22.20	19.05	34.77	PASS
BAND12	10MHz	QPSK	23095	1RB#0	22.79	19.64	34.77	PASS
BAND12	10MHz	QPSK	23095	1RB#24	23.02	19.87	34.77	PASS
BAND12	10MHz	QPSK	23095	1RB#49	23.10	19.95	34.77	PASS
BAND12	10MHz	QPSK	23095	25RB#0	21.97	18.82	34.77	PASS
BAND12	10MHz	QPSK	23095	25RB#12	22.23	19.08	34.77	PASS
BAND12	10MHz	QPSK	23095	25RB#25	22.37	19.22	34.77	PASS
BAND12	10MHz	QPSK	23095	50RB#0	22.13	18.98	34.77	PASS
BAND12	10MHz	QPSK	23130	1RB#0	22.95	19.8	34.77	PASS
BAND12	10MHz	QPSK	23130	1RB#24	23.44	20.29	34.77	PASS
BAND12	10MHz	QPSK	23130	1RB#49	22.16	19.01	34.77	PASS
BAND12	10MHz	QPSK	23130	25RB#0	22.48	19.33	34.77	PASS
BAND12	10MHz	QPSK	23130	25RB#12	22.41	19.26	34.77	PASS
BAND12	10MHz	QPSK	23130	25RB#25	22.01	18.86	34.77	PASS
BAND12	10MHz	QPSK	23130	50RB#0	22.10	18.95	34.77	PASS
BAND12	10MHz	16QAM	23060	1RB#0	22.05	18.9	34.77	PASS
BAND12	10MHz	16QAM	23060	1RB#24	22.18	19.03	34.77	PASS
BAND12	10MHz	16QAM	23060	1RB#49	22.30	19.15	34.77	PASS
BAND12	10MHz	16QAM	23060	25RB#0	21.13	17.98	34.77	PASS
BAND12	10MHz	16QAM	23060	25RB#12	21.08	17.93	34.77	PASS
BAND12	10MHz	16QAM	23060	25RB#25	21.12	17.97	34.77	PASS
BAND12	10MHz	16QAM	23060	50RB#0	21.11	17.96	34.77	PASS
BAND12	10MHz	16QAM	23095	1RB#0	22.81	19.66	34.77	PASS
BAND12	10MHz	16QAM	23095	1RB#24	22.32	19.17	34.77	PASS
BAND12	10MHz	16QAM	23095	1RB#49	22.06	18.91	34.77	PASS
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BAND12	10MHz	16QAM	23095	25RB#0	21.25	18.1	34.77	PASS
BAND12	10MHz	16QAM	23095	25RB#12	21.33	18.18	34.77	PASS
BAND12	10MHz	16QAM	23095	25RB#25	21.18	18.03	34.77	PASS
BAND12	10MHz	16QAM	23095	50RB#0	21.19	18.04	34.77	PASS
BAND12	10MHz	16QAM	23130	1RB#0	22.28	19.13	34.77	PASS
BAND12	10MHz	16QAM	23130	1RB#24	22.25	19.1	34.77	PASS
BAND12	10MHz	16QAM	23130	1RB#49	22.04	18.89	34.77	PASS
BAND12	10MHz	16QAM	23130	25RB#0	21.37	18.22	34.77	PASS
BAND12	10MHz	16QAM	23130	25RB#12	21.04	17.89	34.77	PASS
BAND12	10MHz	16QAM	23130	25RB#25	21.25	18.1	34.77	PASS
BAND12	10MHz	16QAM	23130	50RB#0	21.32	18.17	34.77	PASS

Note:

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level



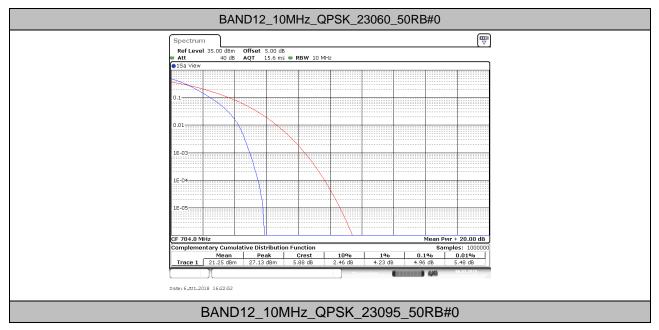
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2. Peak-to-Average Ratio(CCDF)

2.1.Test Result

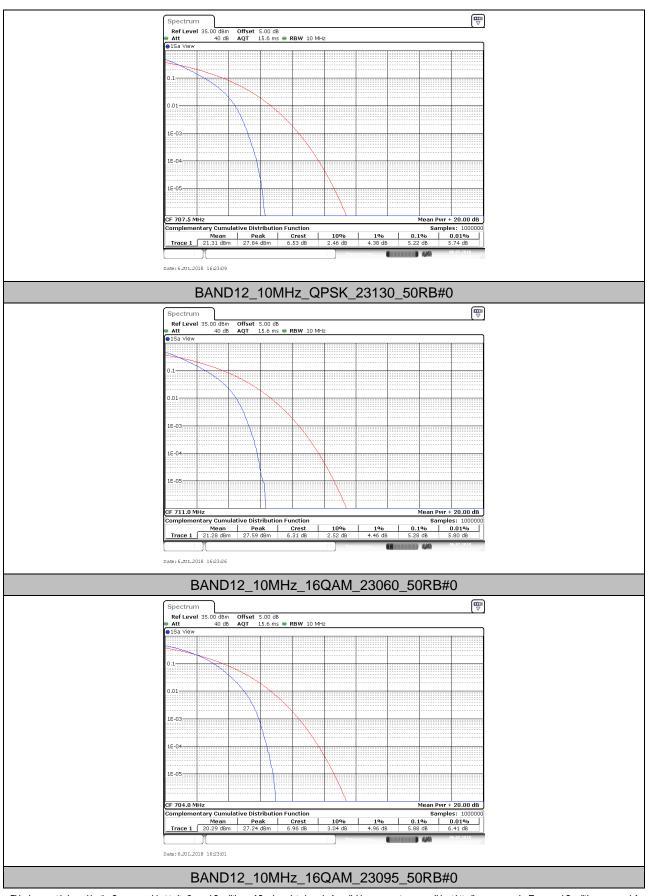
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND12	10MHz	QPSK	23060	50RB#0	4.96	13	PASS
BAND12	10MHz	QPSK	23095	50RB#0	5.22	13	PASS
BAND12	10MHz	QPSK	23130	50RB#0	5.28	13	PASS
BAND12	10MHz	16QAM	23060	50RB#0	5.88	13	PASS
BAND12	10MHz	16QAM	23095	50RB#0	6.00	13	PASS
BAND12	10MHz	16QAM	23130	50RB#0	6.14	13	PASS

2.2.Test Plots



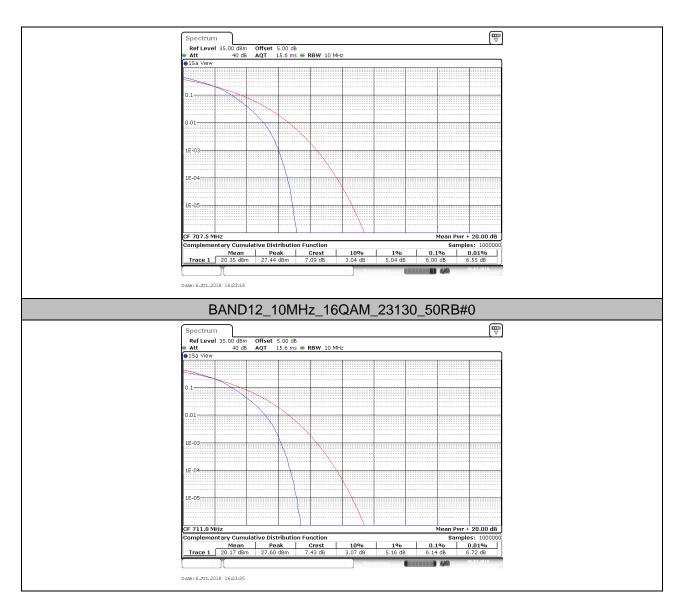


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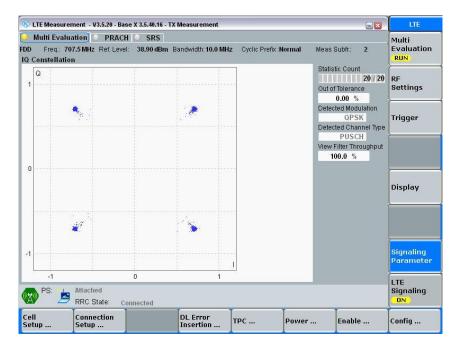
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- 3. Modulation Characteristics
- 3.1.Test BAND = LTE BAND12
- 3.1.1. Test Mode = LTE /TM1 10MHz
- 3.1.1.1. Test Channel = MCH

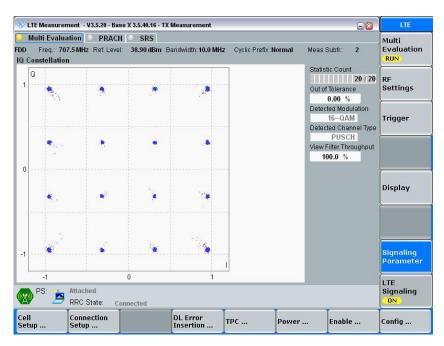




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3.1.2. Test Mode = LTE /TM2 10MHz

3.1.2.1. Test Channel = MCH





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4. 26dB Bandwidth and Occupied Bandwidth

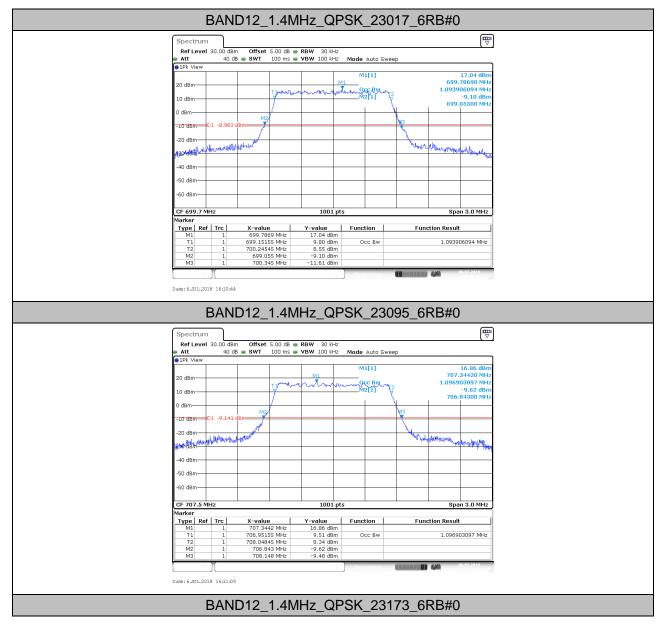
4.1.Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND12	1.4MHz	QPSK	23017	6RB#0	1.094	1.290	PASS
BAND12	1.4MHz	QPSK	23095	6RB#0	1.097	1.305	PASS
BAND12	1.4MHz	QPSK	23173	6RB#0	1.094	1.293	PASS
BAND12	1.4MHz	16QAM	23017	6RB#0	1.091	1.284	PASS
BAND12	1.4MHz	16QAM	23095	6RB#0	1.091	1.284	PASS
BAND12	1.4MHz	16QAM	23173	6RB#0	1.091	1.290	PASS
BAND12	3MHz	QPSK	23025	15RB#0	2.697	2.988	PASS
BAND12	3MHz	QPSK	23095	15RB#0	2.703	3.000	PASS
BAND12	3MHz	QPSK	23165	15RB#0	2.697	2.994	PASS
BAND12	3MHz	16QAM	23025	15RB#0	2.691	2.970	PASS
BAND12	3MHz	16QAM	23095	15RB#0	2.691	2.976	PASS
BAND12	3MHz	16QAM	23165	15RB#0	2.685	2.970	PASS
BAND12	5MHz	QPSK	23035	25RB#0	4.476	4.930	PASS
BAND12	5MHz	QPSK	23095	25RB#0	4.476	4.940	PASS
BAND12	5MHz	QPSK	23155	25RB#0	4.466	4.920	PASS
BAND12	5MHz	16QAM	23035	25RB#0	4.496	4.940	PASS
BAND12	5MHz	16QAM	23095	25RB#0	4.496	4.960	PASS
BAND12	5MHz	16QAM	23155	25RB#0	4.486	4.950	PASS
BAND12	10MHz	QPSK	23060	50RB#0	8.911	9.680	PASS
BAND12	10MHz	QPSK	23095	50RB#0	8.931	9.740	PASS
BAND12	10MHz	QPSK	23130	50RB#0	8.931	9.800	PASS
BAND12	10MHz	16QAM	23060	50RB#0	8.911	9.680	PASS
BAND12	10MHz	16QAM	23095	50RB#0	8.931	9.760	PASS
BAND12	10MHz	16QAM	23130	50RB#0	8.931	9.800	PASS



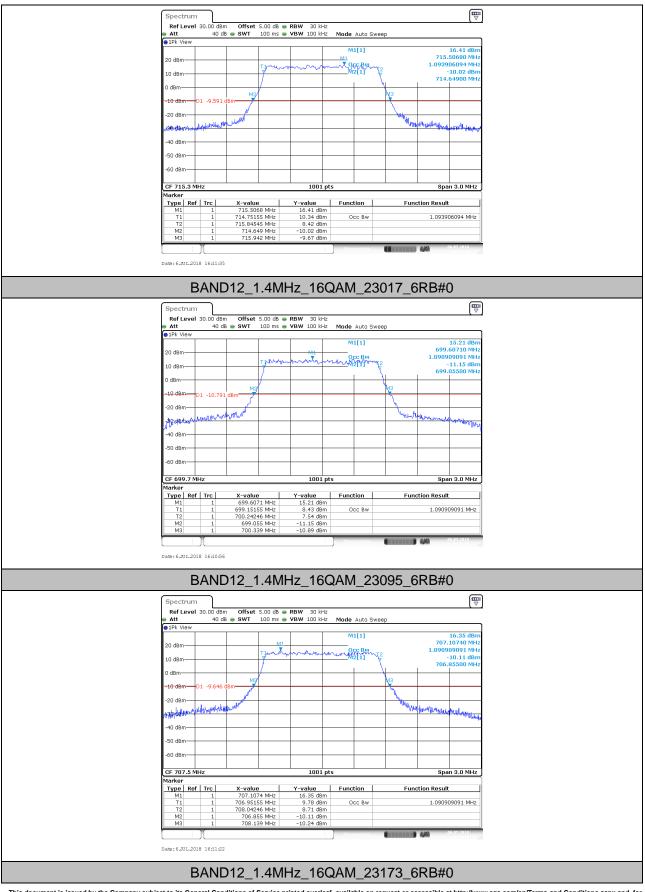
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4.2. Test Plots



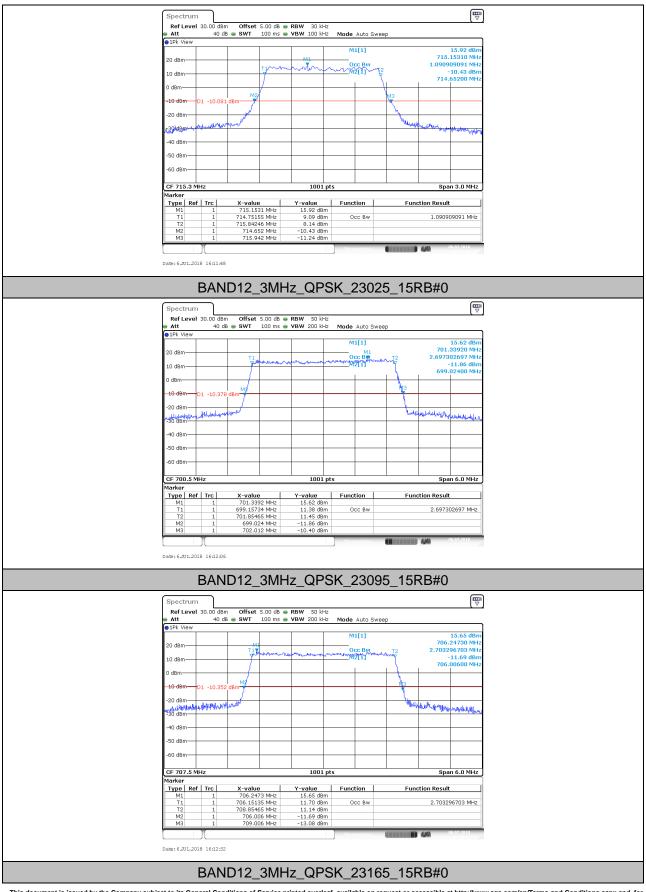


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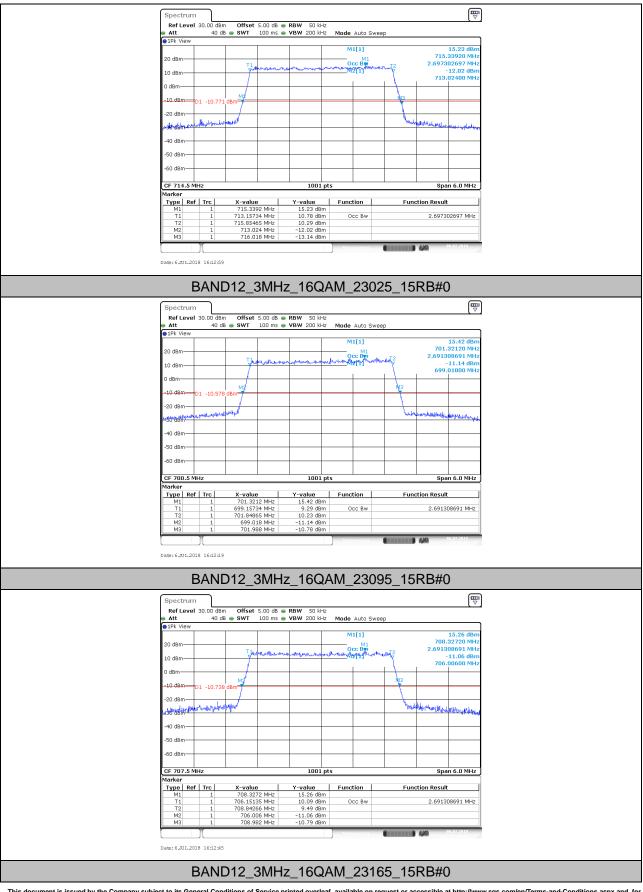


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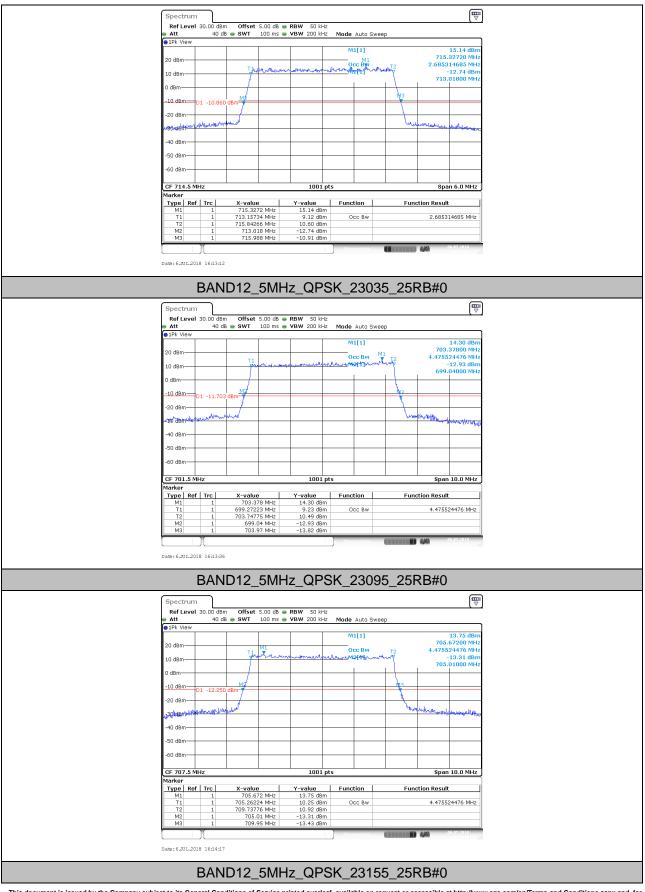


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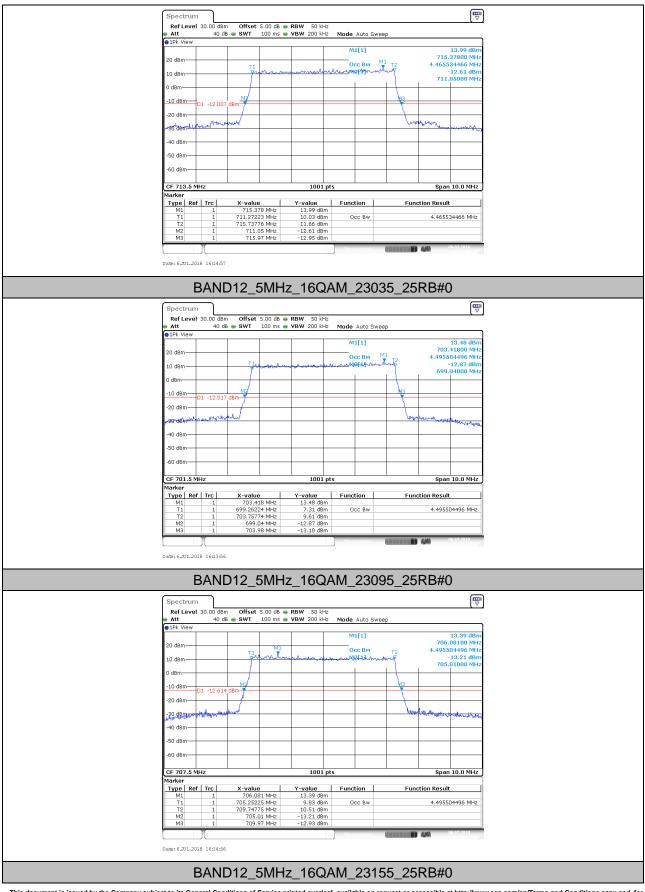


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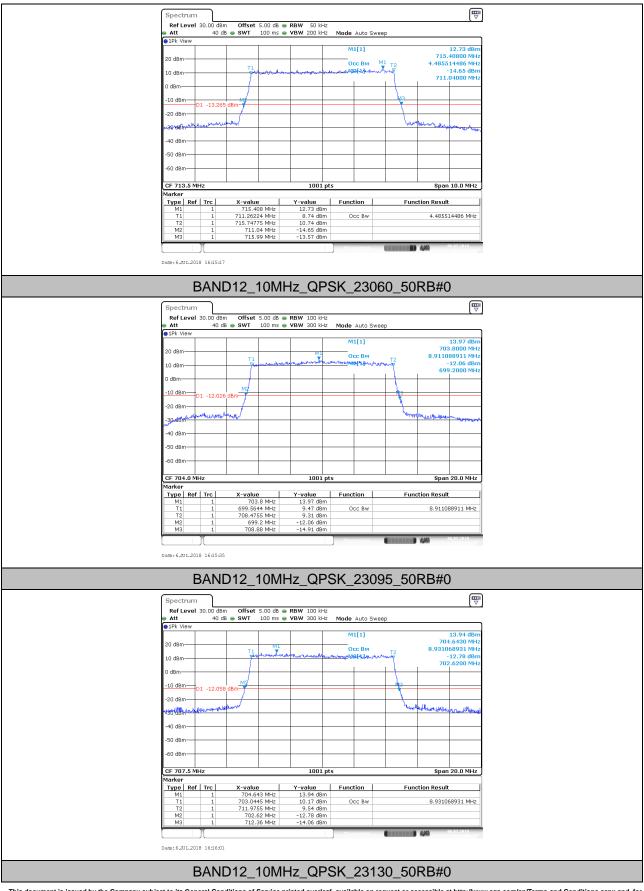


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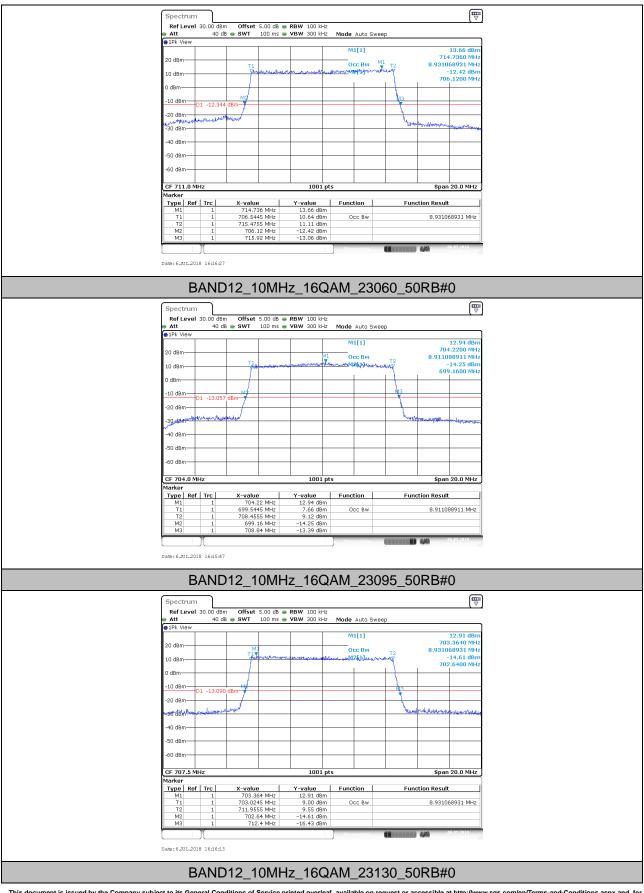


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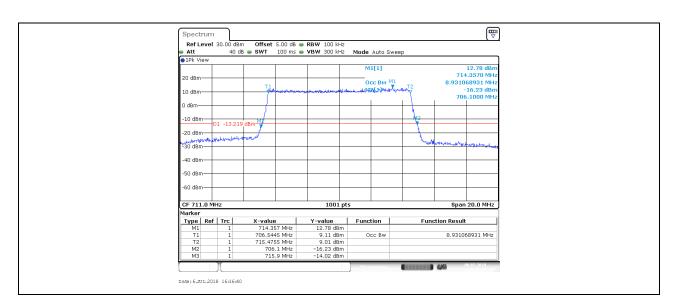


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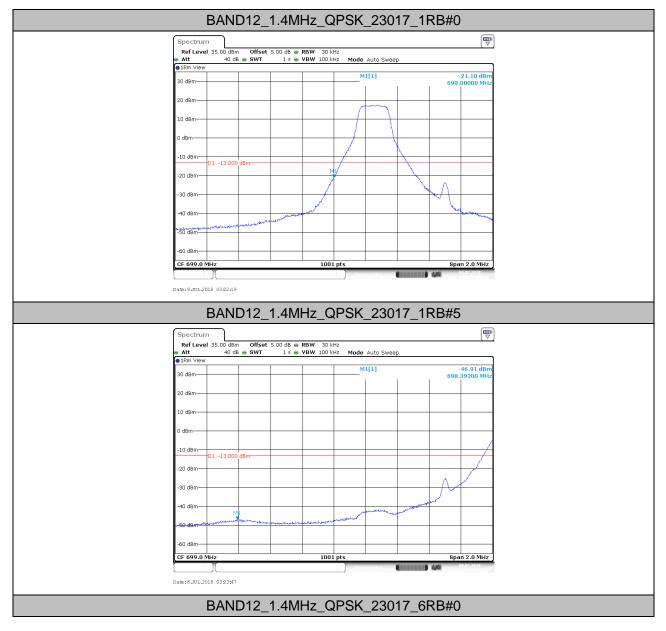




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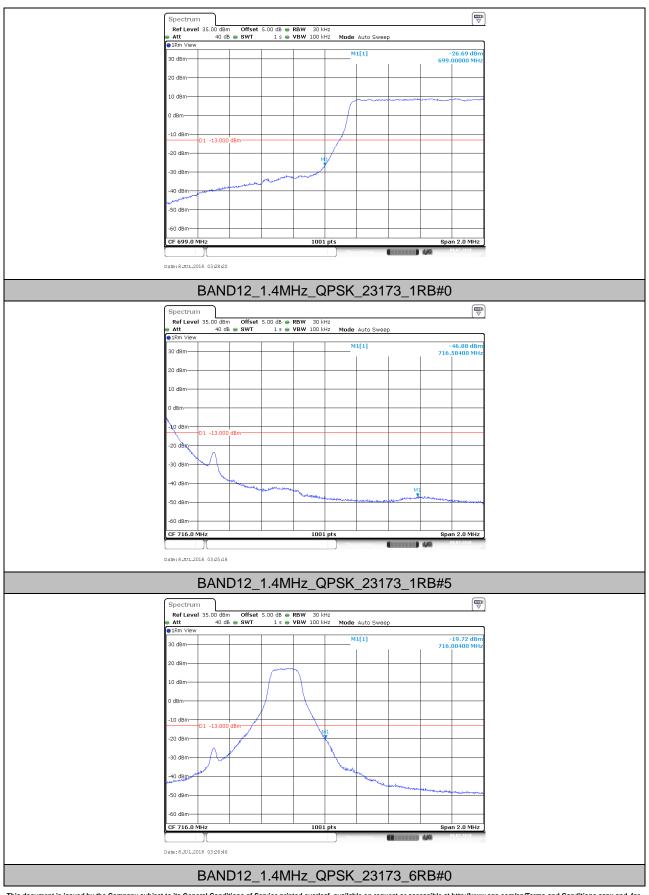
5. Band Edge Compliance

5.1.Test Plots



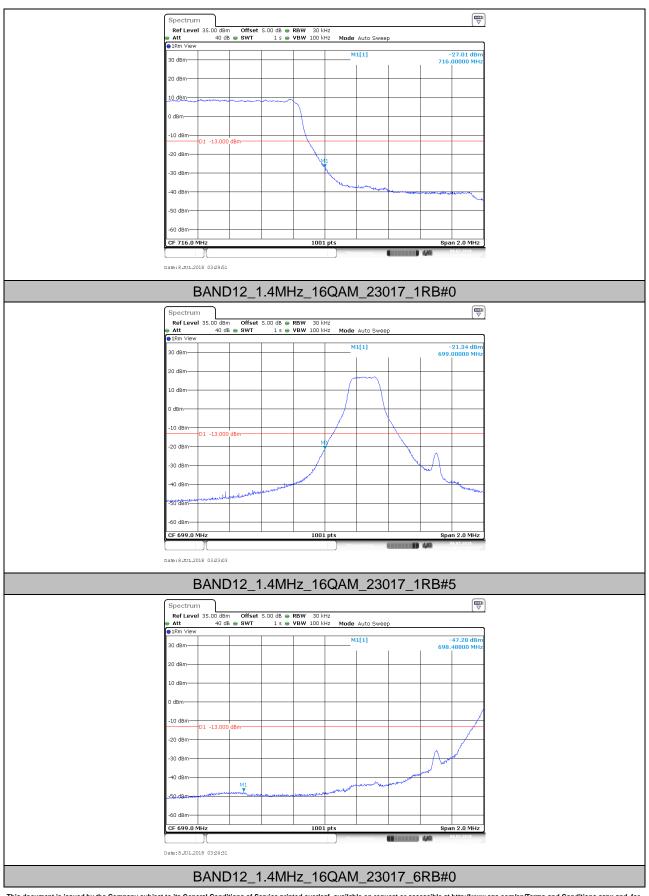


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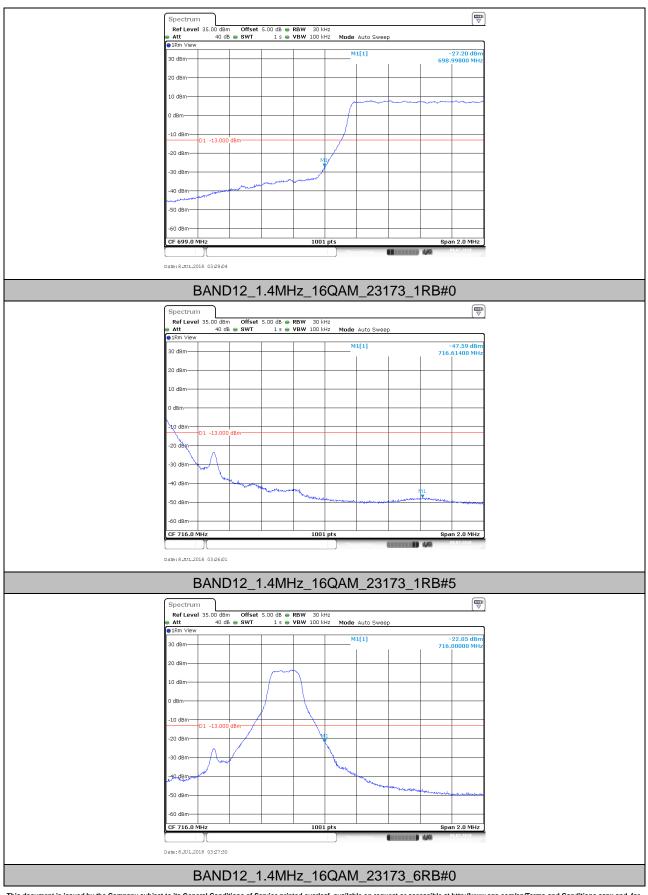


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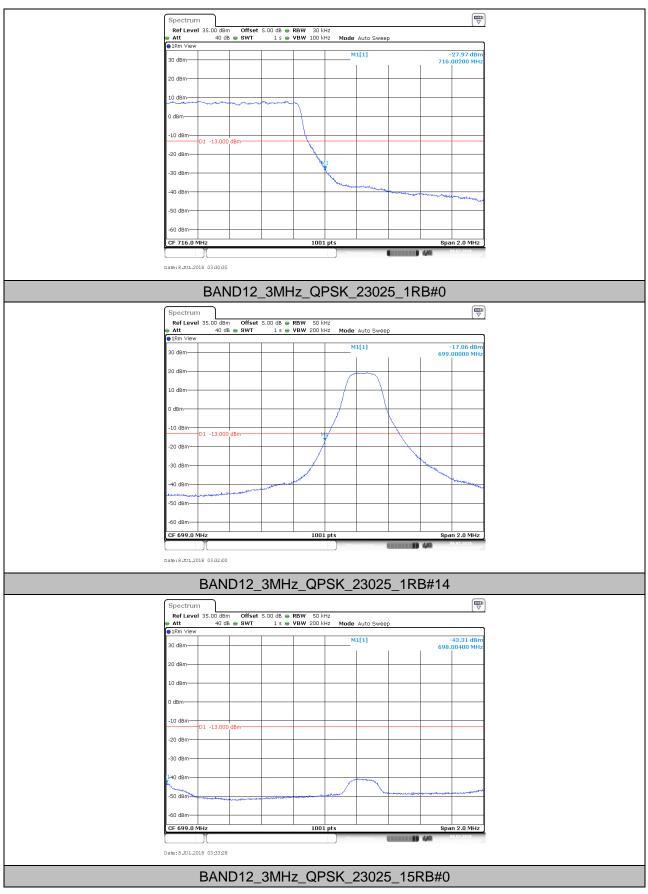


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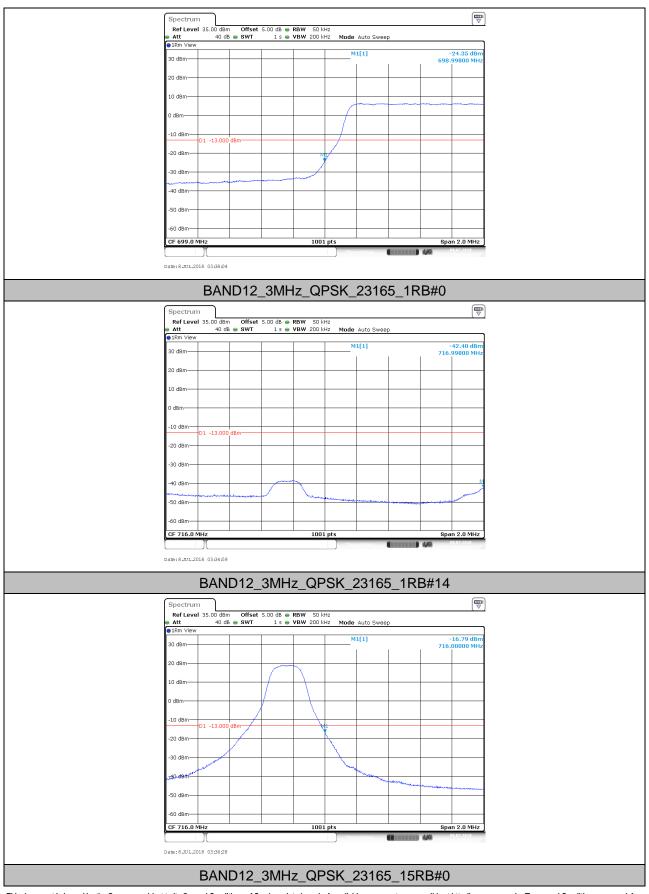


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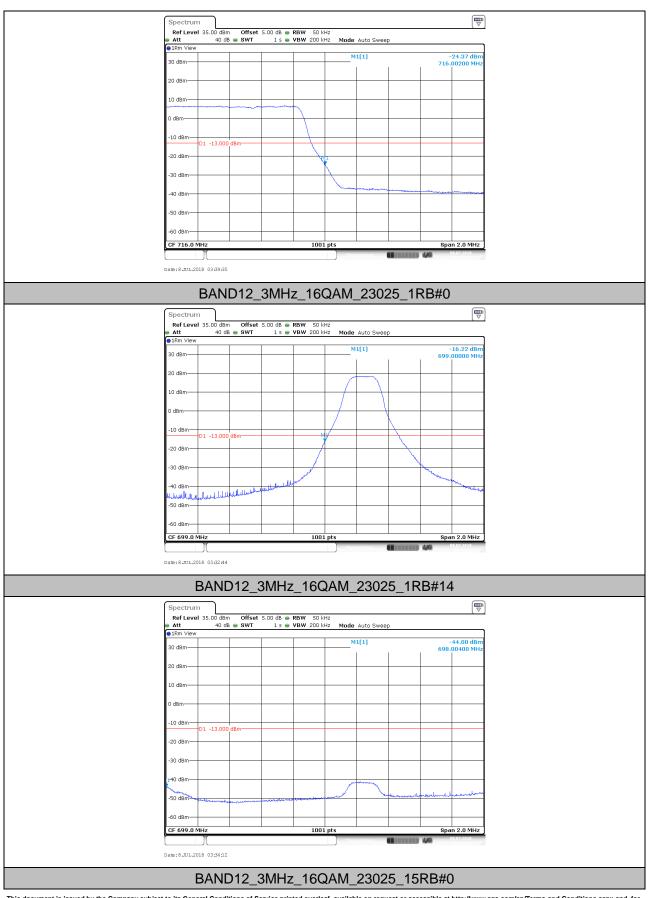


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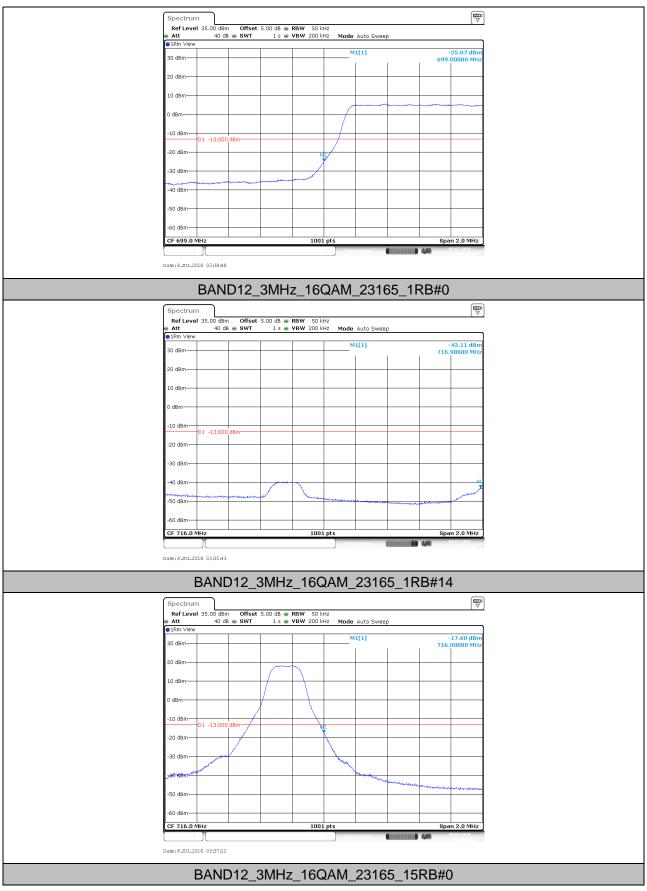


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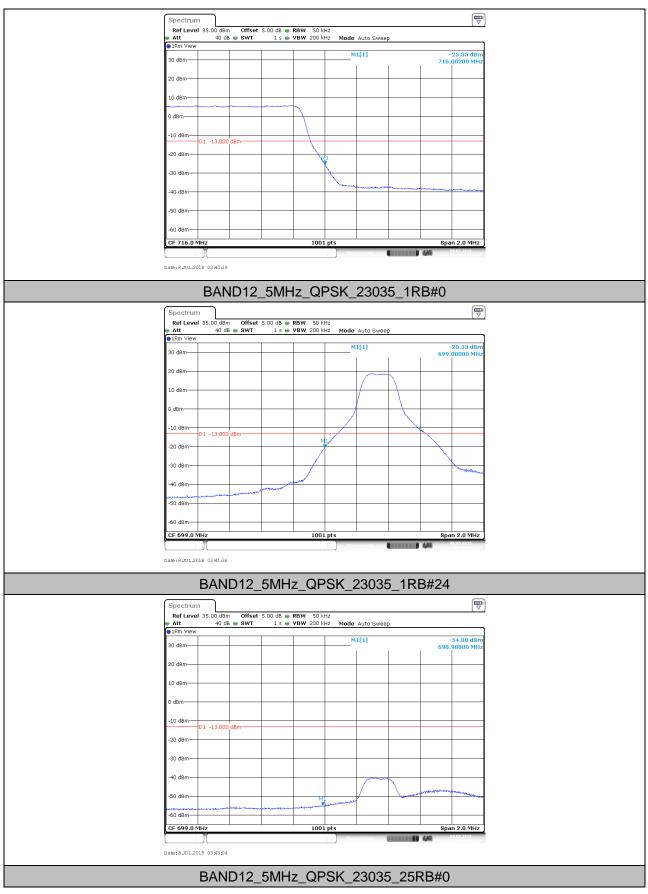


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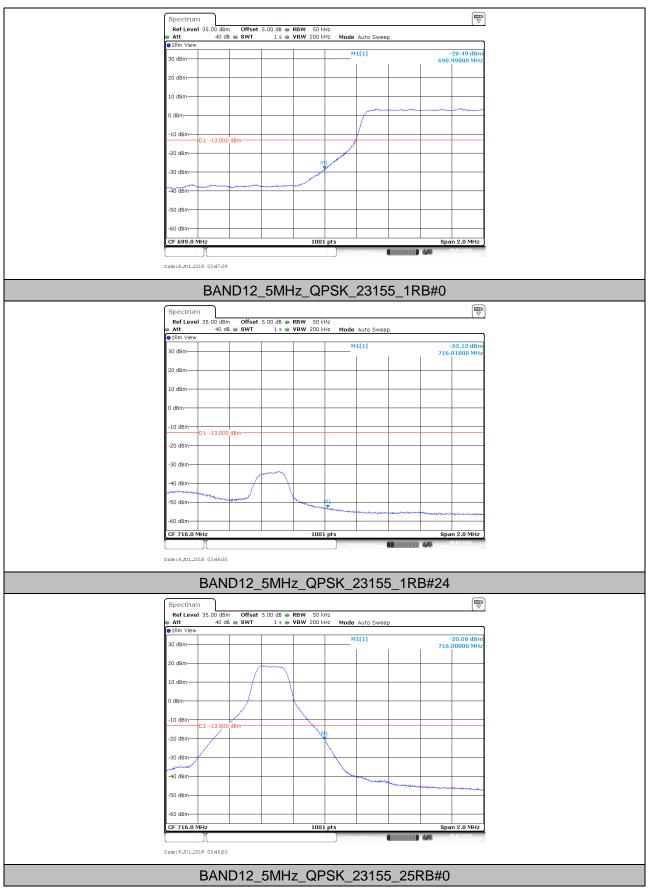


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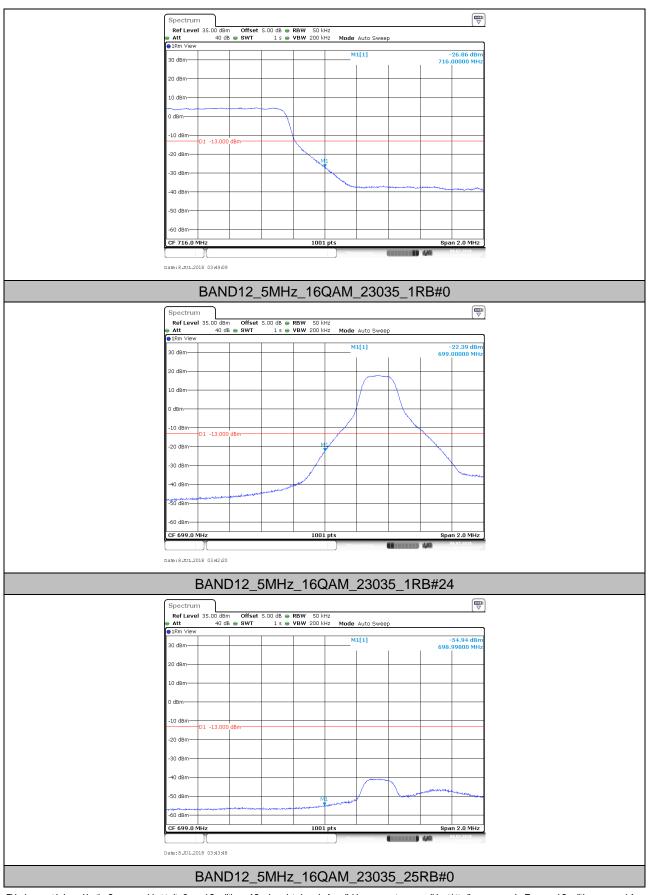


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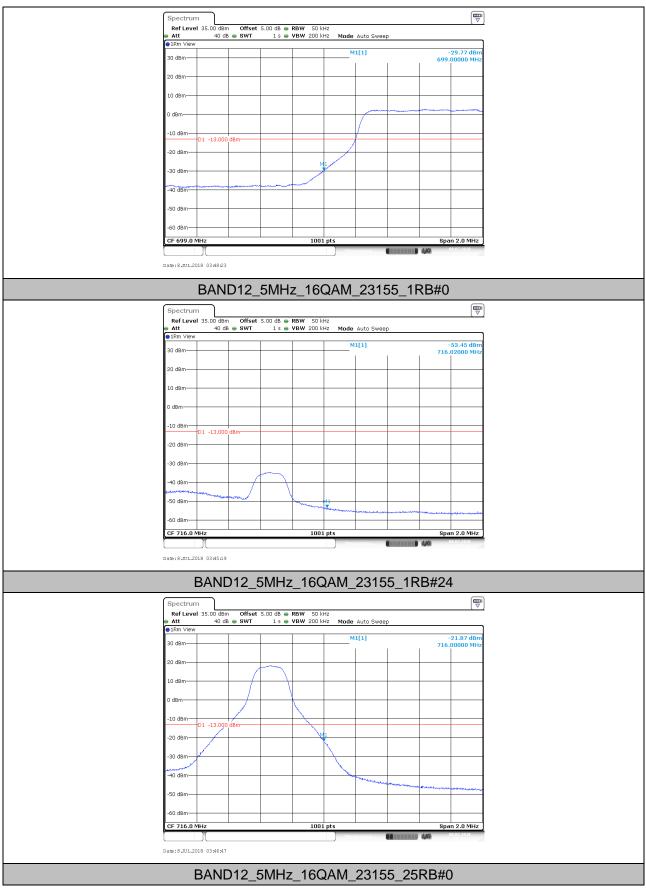


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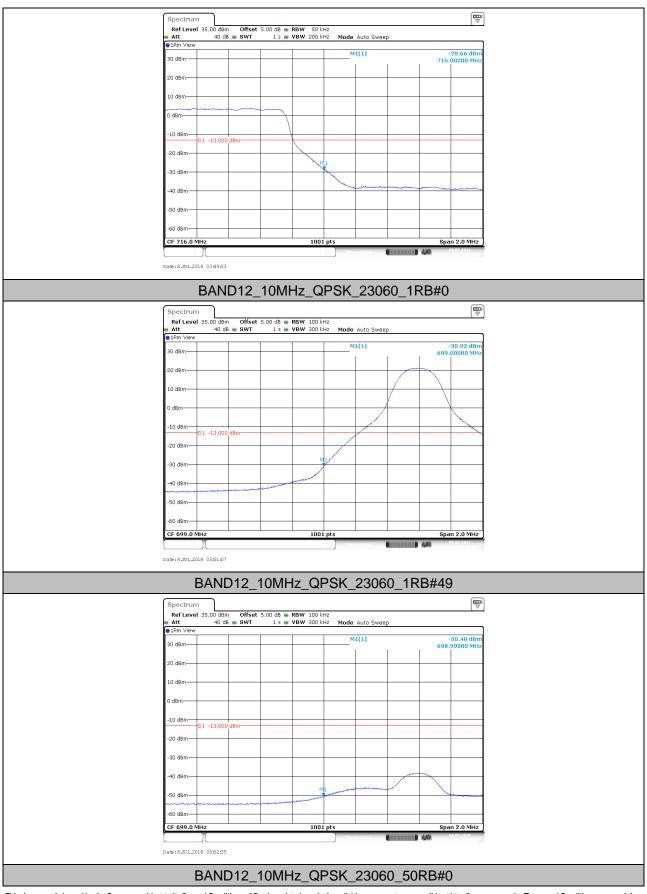


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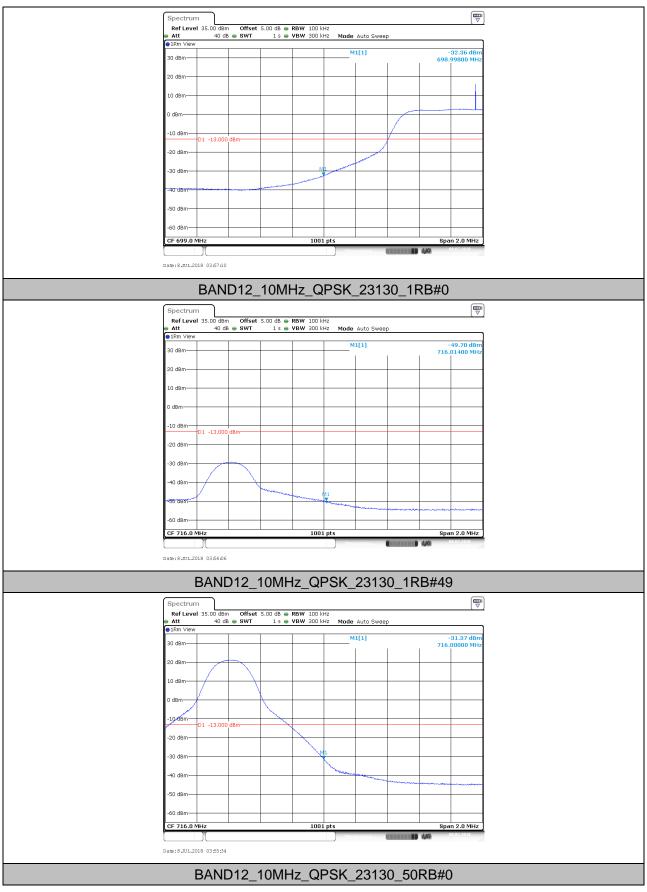


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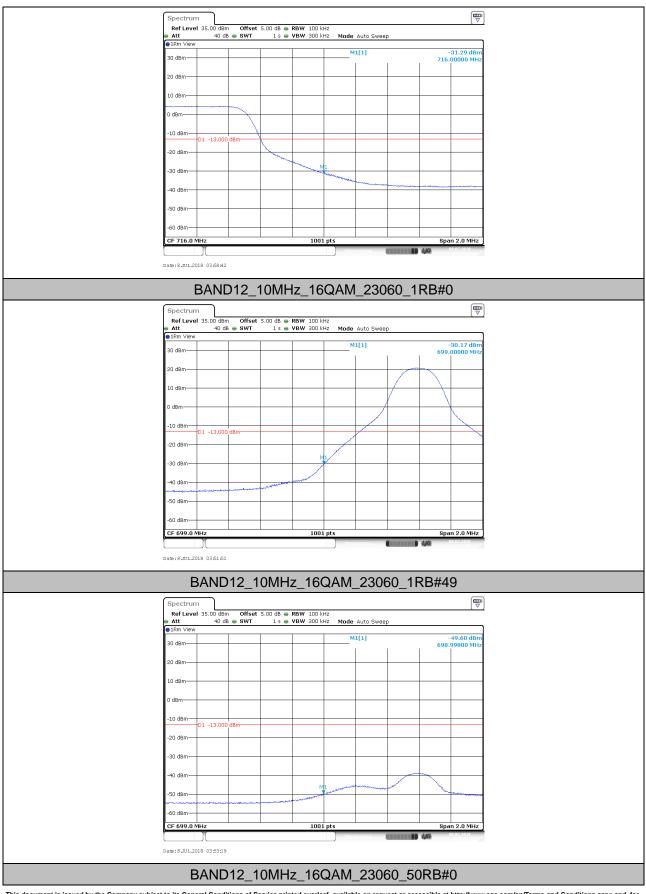


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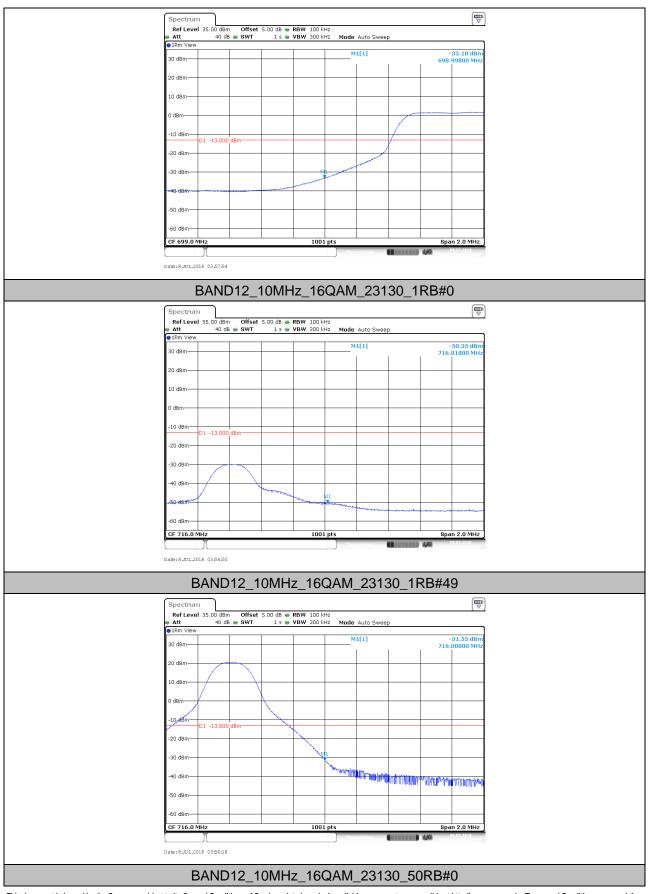


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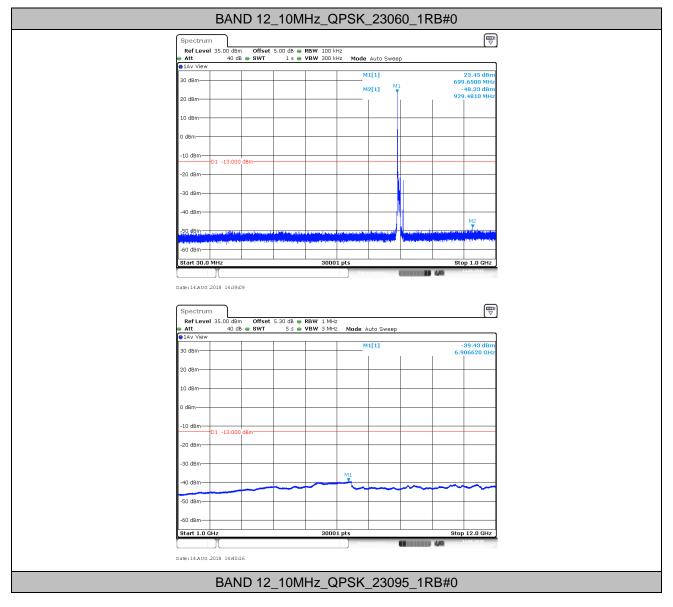


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6. Spurious Emission at Antenna Terminal

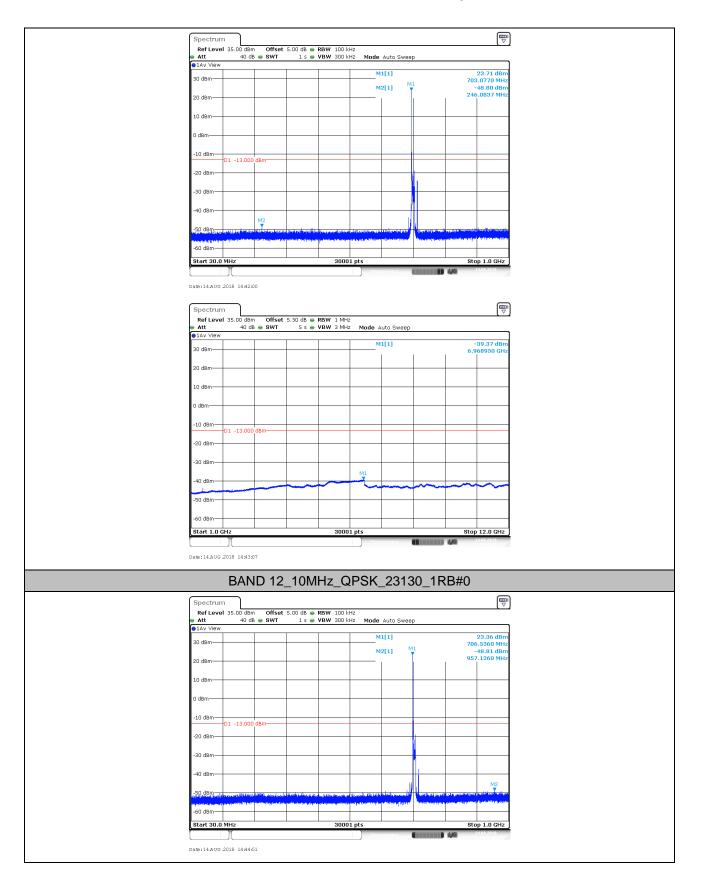
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowBAND signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

6.1.Test Plots



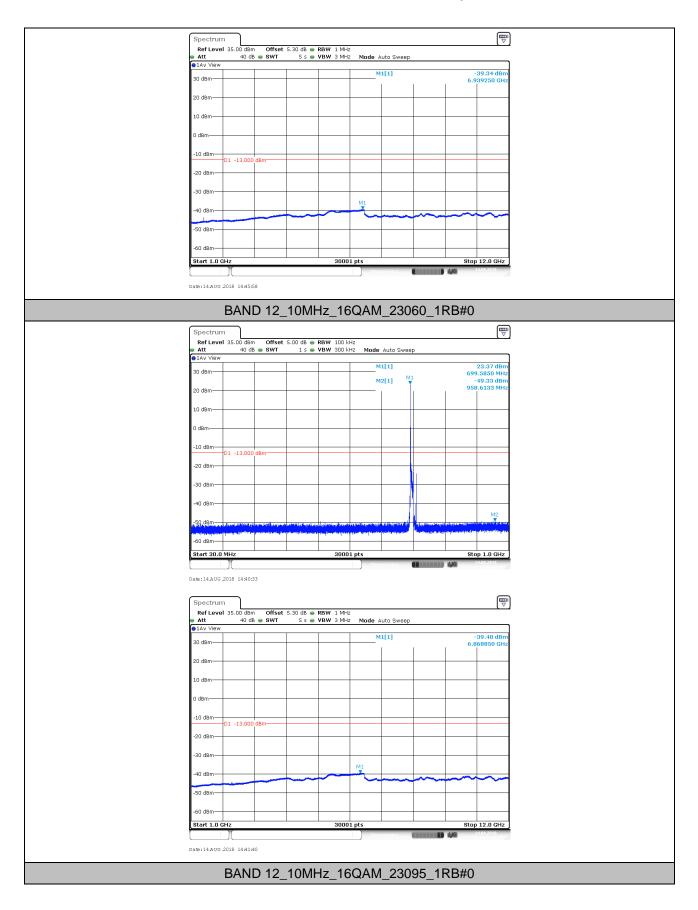


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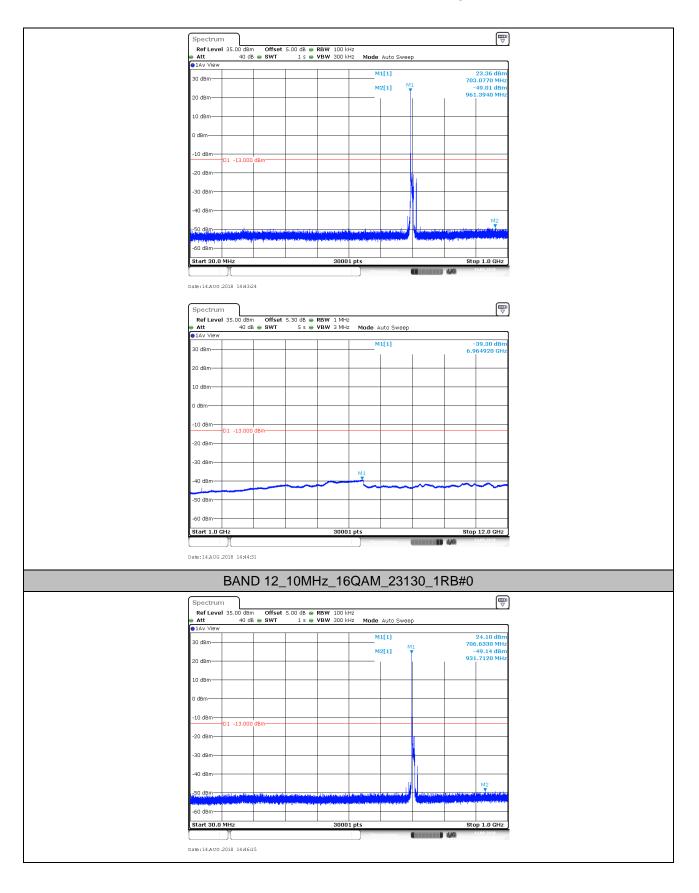


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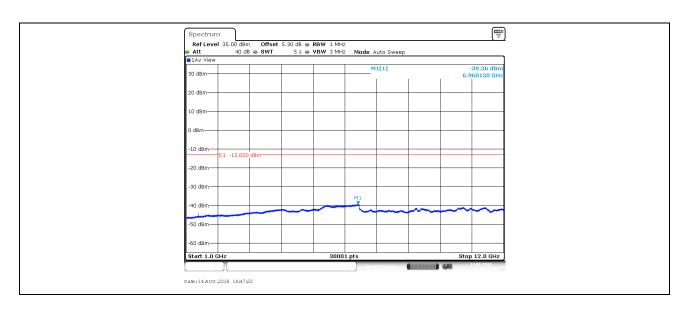


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7. Field Strength of Spurious Radiation

7.1.Test BAND = LTE BAND 12

7.1.1. Test Mode =LTE/TM1 10MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin(dB)	Polarization
63.973333	-81.89	-13.00	68.89	Vertical
124.966667	-86.31	-13.00	73.31	Vertical
1399.000000	-54.54	-13.00	41.54	Vertical
2099.000000	-60.85	-13.00	47.85	Vertical
4197.300000	-64.19	-13.00	51.19	Vertical
62.526667	-77.72	-13.00	64.72	Horizontal
142.326667	-90.13	-13.00	77.13	Horizontal
275.793333	-87.65	-13.00	74.65	Horizontal
1399.000000	-54.48	-13.00	41.48	Horizontal
2099.000000	-58.67	-13.00	45.67	Horizontal
4197.300000	-61.68	-13.00	48.68	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin(dB)	Polarization
63.646667	-82.32	-13.00	69.32	Vertical
124.966667	-86.12	-13.00	73.12	Vertical
369.080000	-86.33	-13.00	73.33	Vertical
1406.000000	-62.56	-13.00	49.56	Vertical
2109.500000	-60.37	-13.00	47.37	Vertical
4218.262500	-64.82	-13.00	51.82	Vertical
62.340000	-78.04	-13.00	65.04	Horizontal
147.273333	-90.62	-13.00	77.62	Horizontal
274.393333	-87.58	-13.00	74.58	Horizontal
1406.000000	-62.33	-13.00	49.33	Horizontal
2109.500000	-61.16	-13.00	48.16	Horizontal



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4218.262500 -62.55	-13.00	49.55	Horizontal
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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin(dB)	Polarization
63.553333	-82.07	-13.00	69.07	Vertical
124.966667	-86.07	-13.00	73.07	Vertical
249.986667	-88.57	-13.00	75.57	Vertical
1413.000000	-56.99	-13.00	43.99	Vertical
2120.000000	-52.82	-13.00	39.82	Vertical
4239.225000	-61.59	-13.00	48.59	Vertical
63.320000	-78.03	-13.00	65.03	Horizontal
141.626667	-90.34	-13.00	77.34	Horizontal
275.233333	-87.41	-13.00	74.41	Horizontal
1413.000000	-57.00	-13.00	44.00	Horizontal
2120.000000	-51.45	-13.00	38.45	Horizontal
4239.225000	-59.49	-13.00	46.49	Horizontal

NOTE:

- All modes are tested, but the data presented above is the worst case.the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



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8. Frequency Stability

9.1. Frequency Vs Voltage

	Voltage									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND12	10MHz	QPSK	23060	50RB#0	VL	NT	-6.57	-0.009332	±2.5	PASS
BAND12	10MHz	QPSK	23060	50RB#0	VN	NT	-6.22	-0.008835	±2.5	PASS
BAND12	10MHz	QPSK	23060	50RB#0	VH	NT	-6.58	-0.009347	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	VL	NT	-5.89	-0.008325	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	VN	NT	-7.25	-0.010247	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	VH	NT	-5.52	-0.007802	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	VL	NT	-8.15	-0.011463	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	VN	NT	-6.07	-0.008537	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	VH	NT	-7.10	-0.009986	±2.5	PASS
BAND12	10MHz	16QAM	23060	50RB#0	VL	NT	-6.41	-0.009105	±2.5	PASS
BAND12	10MHz	16QAM	23060	50RB#0	VN	NT	-6.85	-0.009730	±2.5	PASS
BAND12	10MHz	16QAM	23060	50RB#0	VH	NT	5.55	0.007884	±2.5	PASS
BAND12	10MHz	16QAM	23095	50RB#0	VL	NT	4.75	0.006714	±2.5	PASS
BAND12	10MHz	16QAM	23095	50RB#0	VN	NT	-6.35	-0.008975	±2.5	PASS
BAND12	10MHz	16QAM	23095	50RB#0	VH	NT	-6.31	-0.008919	±2.5	PASS
BAND12	10MHz	16QAM	23130	50RB#0	VL	NT	-6.51	-0.009156	±2.5	PASS
BAND12	10MHz	16QAM	23130	50RB#0	VN	NT	-6.79	-0.009550	±2.5	PASS
BAND12	10MHz	16QAM	23130	50RB#0	VH	NT	-8.17	-0.011491	±2.5	PASS

9.2. Frequency Vs Temperature

	Temperature									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND12	10MHz	QPSK	23060	50RB#0	NV	-30	-6.71	-0.009531	±2.5	PASS
BAND12	10MHz	QPSK	23060	50RB#0	NV	-20	-6.15	-0.008736	±2.5	PASS
BAND12	10MHz	QPSK	23060	50RB#0	NV	0	-5.34	-0.007585	±2.5	PASS
BAND12	10MHz	QPSK	23060	50RB#0	NV	10	-6.32	-0.008977	±2.5	PASS
BAND12	10MHz	QPSK	23060	50RB#0	NV	20	-7.14	-0.010142	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	NV	-30	-5.19	-0.007336	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	NV	-20	-6.27	-0.008862	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	NV	0	-5.85	-0.008269	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	NV	10	-5.84	-0.008254	±2.5	PASS
BAND12	10MHz	QPSK	23095	50RB#0	NV	20	-6.02	-0.008509	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	NV	-30	-5.99	-0.008425	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	NV	-20	-7.88	-0.011083	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	NV	0	-6.49	-0.009128	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	NV	10	-5.69	-0.008003	±2.5	PASS
BAND12	10MHz	QPSK	23130	50RB#0	NV	20	-7.37	-0.010366	±2.5	PASS
BAND12	10MHz	16QAM	23060	50RB#0	NV	-30	-5.99	-0.008509	±2.5	PASS
BAND12	10MHz	16QAM	23060	50RB#0	NV	-20	5.72	0.008125	±2.5	PASS
BAND12	10MHz	16QAM	23060	50RB#0	NV	0	-7.42	-0.010540	±2.5	PASS



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BAND12 10M									
	Iz 16QAM	23060	50RB#0	NV	10	-7.21	-0.010241	±2.5	PASS
BAND12 10M	lz 16QAM	23060	50RB#0	NV	20	-6.21	-0.008821	±2.5	PASS
BAND12 10M	lz 16QAM	23095	50RB#0	NV	-30	-6.58	-0.009300	±2.5	PASS
BAND12 10M	lz 16QAM	23095	50RB#0	NV	-20	-7.05	-0.009965	±2.5	PASS
BAND12 10M	lz 16QAM	23095	50RB#0	NV	0	-6.07	-0.008580	±2.5	PASS
BAND12 10M	lz 16QAM	23095	50RB#0	NV	10	-6.09	-0.008608	±2.5	PASS
BAND12 10M	lz 16QAM	23095	50RB#0	NV	20	-6.05	-0.008551	±2.5	PASS
BAND12 10M	lz 16QAM	23130	50RB#0	NV	-30	-7.42	-0.010436	±2.5	PASS
BAND12 10M	lz 16QAM	23130	50RB#0	NV	-20	-7.14	-0.010042	±2.5	PASS
BAND12 10M	lz 16QAM	23130	50RB#0	NV	0	-6.34	-0.008917	±2.5	PASS
BAND12 10M	lz 16QAM	23130	50RB#0	NV	10	-6.65	-0.009353	±2.5	PASS
BAND12 10M	lz 16QAM	23130	50RB#0	NV	20	-7.82	-0.010999	±2.5	PASS

The End