Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Output Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	ERP Limit (W)
Band13	5MHz	QPSK	23205	1RB#0	24.62	-0.8	23.82	0.241	3.000
Band13	5MHz	QPSK	23205	1RB#12	24.65	-0.8	23.85	0.243	3.000
Band13	5MHz	QPSK	23205	1RB#24	24.53	-0.8	23.73	0.236	3.000
Band13	5MHz	QPSK	23205	12RB#0	23.79	-0.8	22.99	0.199	3.000
Band13	5MHz	QPSK	23205	12RB#6	23.72	-0.8	22.92	0.196	3.000
Band13	5MHz	QPSK	23205	12RB#13	23.56	-0.8	22.76	0.189	3.000
Band13	5MHz	QPSK	23205	25RB#0	23.69	-0.8	22.89	0.195	3.000
Band13	5MHz	QPSK	23230	1RB#0	24.37	-0.8	23.57	0.228	3.000
Band13	5MHz	QPSK	23230	1RB#12	24.41	-0.8	23.61	0.230	3.000
Band13	5MHz	QPSK	23230	1RB#24	24.18	-0.8	23.38	0.218	3.000
Band13	5MHz	QPSK	23230	12RB#0	23.61	-0.8	22.81	0.191	3.000
Band13	5MHz	QPSK	23230	12RB#6	23.57	-0.8	22.77	0.189	3.000
Band13	5MHz	QPSK	23230	12RB#13	23.47	-0.8	22.67	0.185	3.000
Band13	5MHz	QPSK	23230	25RB#0	23.56	-0.8	22.76	0.189	3.000
Band13	5MHz	QPSK	23255	1RB#0	24.44	-0.8	23.64	0.231	3.000
Band13	5MHz	QPSK	23255	1RB#12	24.34	-0.8	23.54	0.226	3.000
Band13	5MHz	QPSK	23255	1RB#24	24.43	-0.8	23.63	0.231	3.000
Band13	5MHz	QPSK	23255	12RB#0	23.37	-0.8	22.57	0.181	3.000
Band13	5MHz	QPSK	23255	12RB#6	23.41	-0.8	22.61	0.182	3.000
Band13	5MHz	QPSK	23255	12RB#13	23.47	-0.8	22.67	0.185	3.000
Band13	5MHz	QPSK	23255	25RB#0	23.40	-0.8	22.60	0.182	3.000
Band13	5MHz	16QAM	23205	1RB#0	23.85	-0.8	23.05	0.202	3.000
Band13	5MHz	16QAM	23205	1RB#12	23.52	-0.8	22.72	0.187	3.000
Band13	5MHz	16QAM	23205	1RB#24	23.54	-0.8	22.74	0.188	3.000
Band13	5MHz	16QAM	23205	12RB#0	23.72	-0.8	22.92	0.196	3.000
Band13	5MHz	16QAM	23205	12RB#6	23.72	-0.8	22.92	0.196	3.000
Band13	5MHz	16QAM	23205	12RB#13	23.54	-0.8	22.74	0.188	3.000
Band13	5MHz	16QAM	23205	25RB#0	22.61	-0.8	21.81	0.152	3.000
Band13	5MHz	16QAM	23230	1RB#0	23.63	-0.8	22.83	0.192	3.000
Band13	5MHz	16QAM	23230	1RB#12	23.29	-0.8	22.49	0.177	3.000
Band13	5MHz	16QAM	23230	1RB#24	23.34	-0.8	22.54	0.179	3.000
Band13	5MHz	16QAM	23230	12RB#0	23.57	-0.8	22.77	0.189	3.000

Band13	5MHz	16QAM	23230	12RB#6	23.54	-0.8	22.74	0.188	3.000
Band13	5MHz	16QAM	23230	12RB#13	23.46	-0.8	22.66	0.185	3.000
Band13	5MHz	16QAM	23230	25RB#0	22.63	-0.8	21.83	0.152	3.000
Band13	5MHz	16QAM	23255	1RB#0	23.25	-0.8	22.45	0.176	3.000
Band13	5MHz	16QAM	23255	1RB#12	23.08	-0.8	22.28	0.169	3.000
Band13	5MHz	16QAM	23255	1RB#24	23.01	-0.8	22.21	0.166	3.000
Band13	5MHz	16QAM	23255	12RB#0	23.49	-0.8	22.69	0.186	3.000
Band13	5MHz	16QAM	23255	12RB#6	23.44	-0.8	22.64	0.184	3.000
Band13	5MHz	16QAM	23255	12RB#13	23.49	-0.8	22.69	0.186	3.000
Band13	5MHz	16QAM	23255	25RB#0	22.49	-0.8	21.69	0.148	3.000
Band13	10MHz	QPSK	23230	1RB#0	24.65	-0.8	23.85	0.243	3.000
Band13	10MHz	QPSK	23230	1RB#24	24.37	-0.8	23.57	0.228	3.000
Band13	10MHz	QPSK	23230	1RB#49	24.42	-0.8	23.62	0.230	3.000
Band13	10MHz	QPSK	23230	25RB#0	23.61	-0.8	22.81	0.191	3.000
Band13	10MHz	QPSK	23230	25RB#12	23.62	-0.8	22.82	0.191	3.000
Band13	10MHz	QPSK	23230	25RB#25	23.41	-0.8	22.61	0.182	3.000
Band13	10MHz	QPSK	23230	50RB#0	23.58	-0.8	22.78	0.190	3.000
Band13	10MHz	16QAM	23230	1RB#0	23.72	-0.8	22.92	0.196	3.000
Band13	10MHz	16QAM	23230	1RB#24	23.55	-0.8	22.75	0.188	3.000
Band13	10MHz	16QAM	23230	1RB#49	23.08	-0.8	22.28	0.169	3.000
Band13	10MHz	16QAM	23230	25RB#0	23.62	-0.8	22.82	0.191	3.000
Band13	10MHz	16QAM	23230	25RB#12	23.62	-0.8	22.82	0.191	3.000
Band13	10MHz	16QAM	23230	25RB#25	23.43	-0.8	22.63	0.183	3.000
Band13	10MHz	16QAM	23230	50RB#0	22.42	-0.8	21.62	0.145	3.000

Note: The EIRP is added to the antenna gain. In addition, if it is ERP, it is reduced by 2.15.

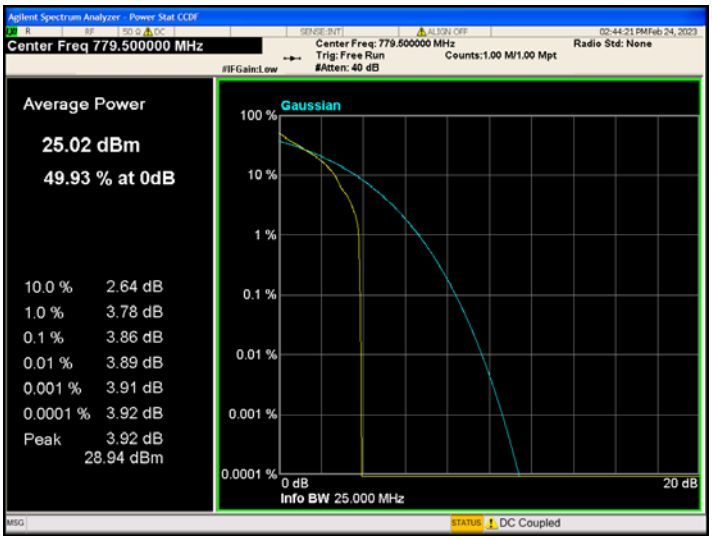
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

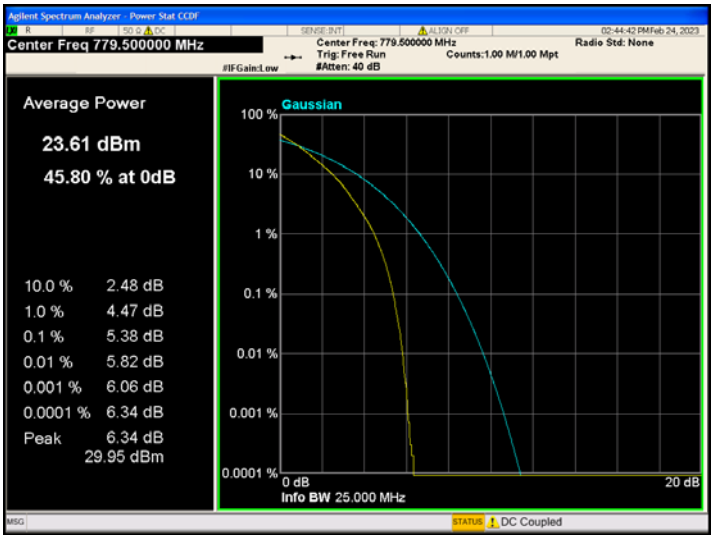
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.86	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.38	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.50	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.12	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.49	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.19	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.81	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.13	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.47	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.97	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.24	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.97	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.03	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.18	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	3.91	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.18	13	PASS

Test Graphs

Band13_5MHz_QPSK_23205_1RB#0

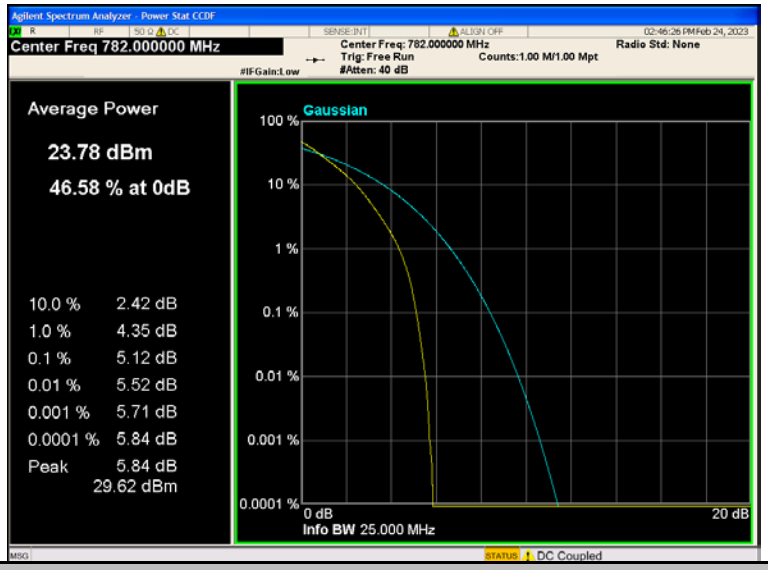


Band13_5MHz_QPSK_23205_25RB#0

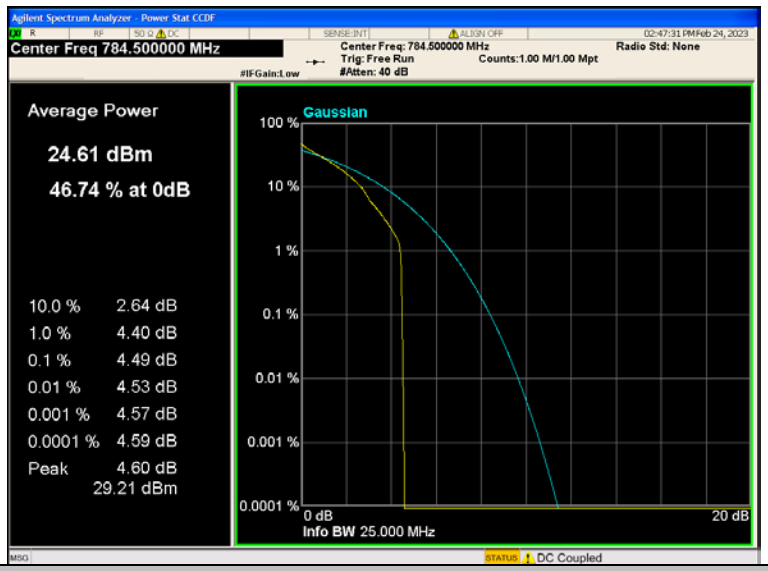


Band13_5MHz_QPSK_23230_1RB#0

Band13_5MHz_QPSK_23230_25RB#0



Band13_5MHz_QPSK_23255_1RB#0



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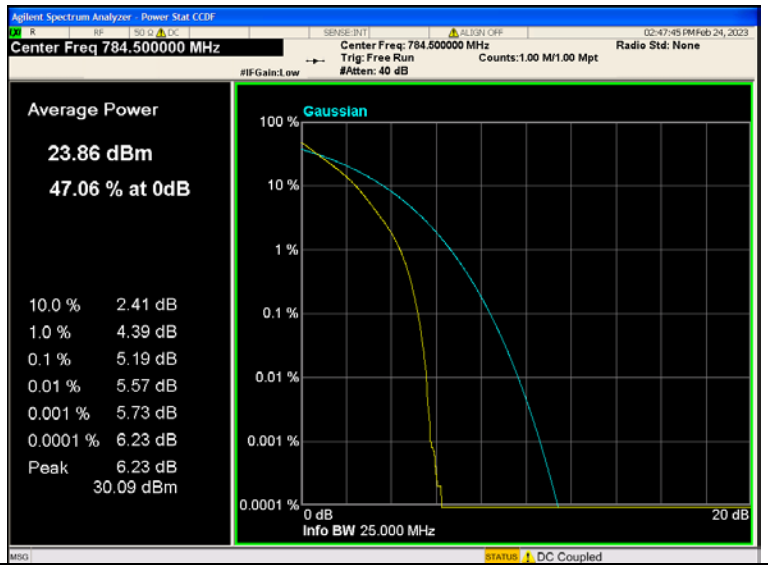
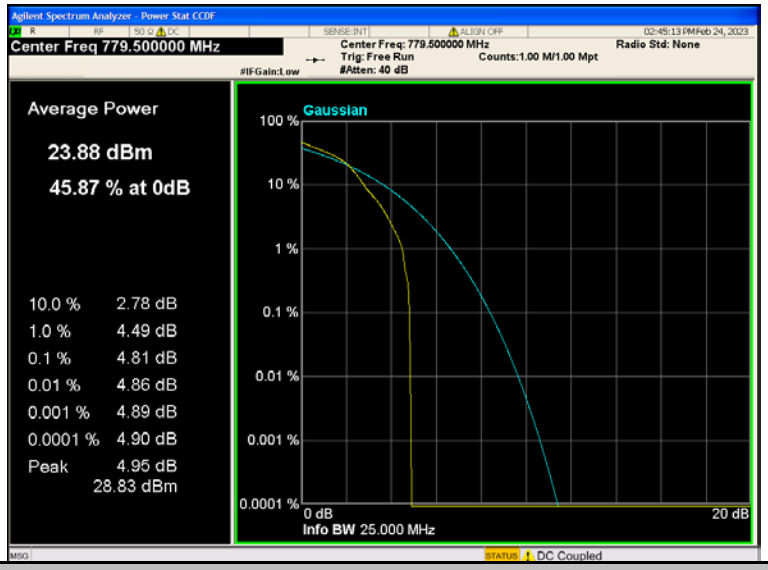
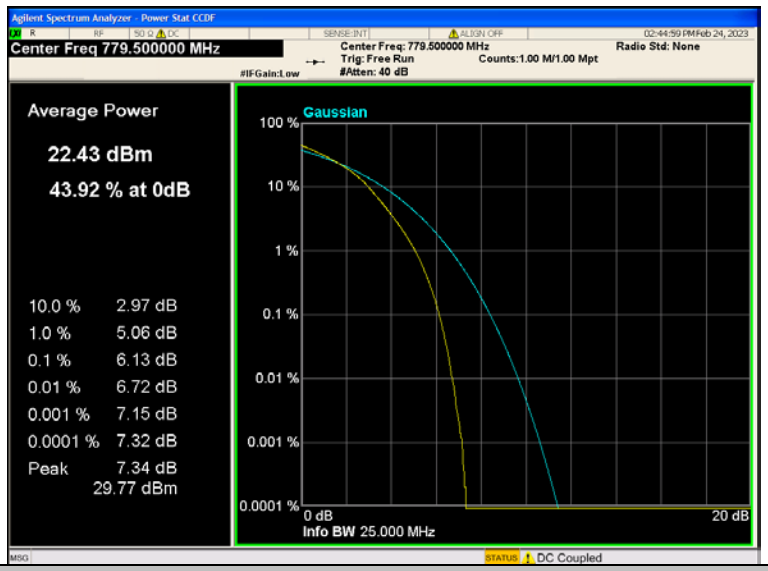


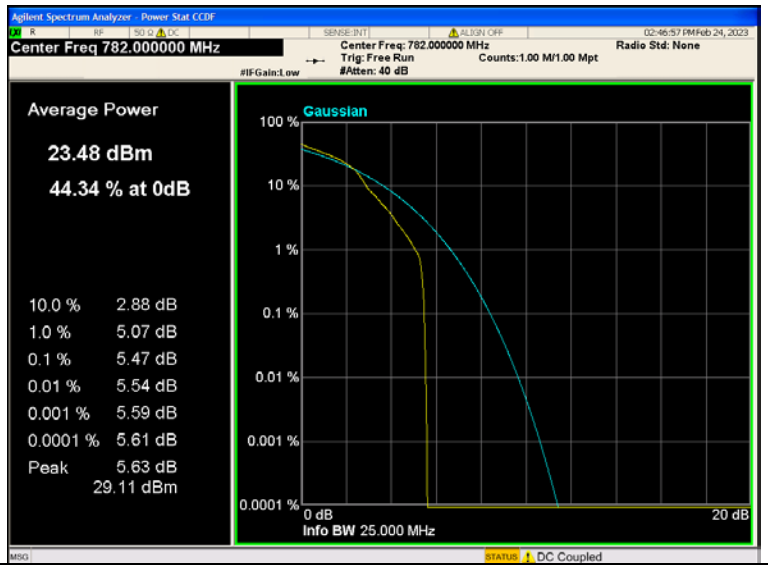
Band13_5MHz_16QAM_23205_1RB#0

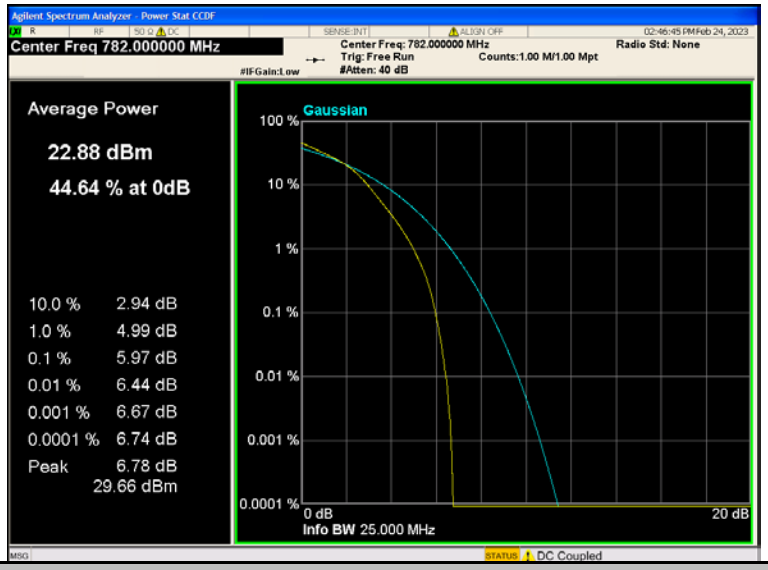


Band13_5MHz_16QAM_23205_25RB#0



Band13_5MHz_16QAM_23230_1RB#0



Band13_5MHz_16QAM_23230_25RB#0


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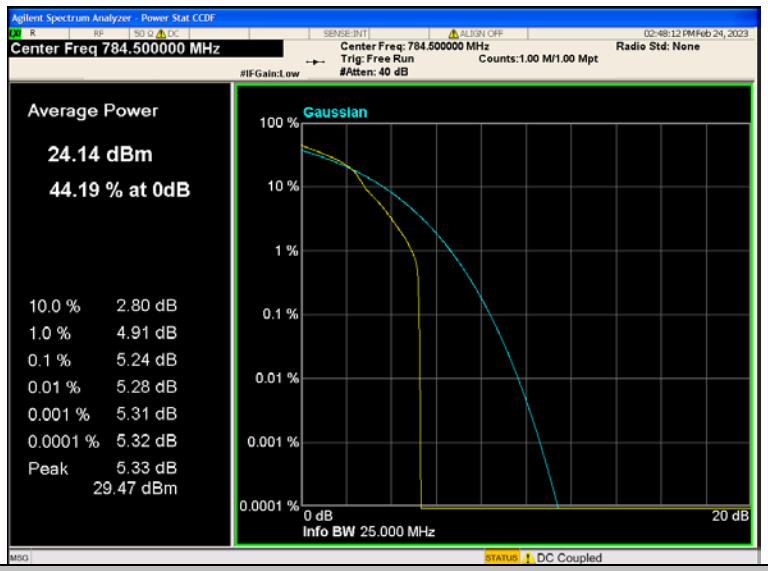
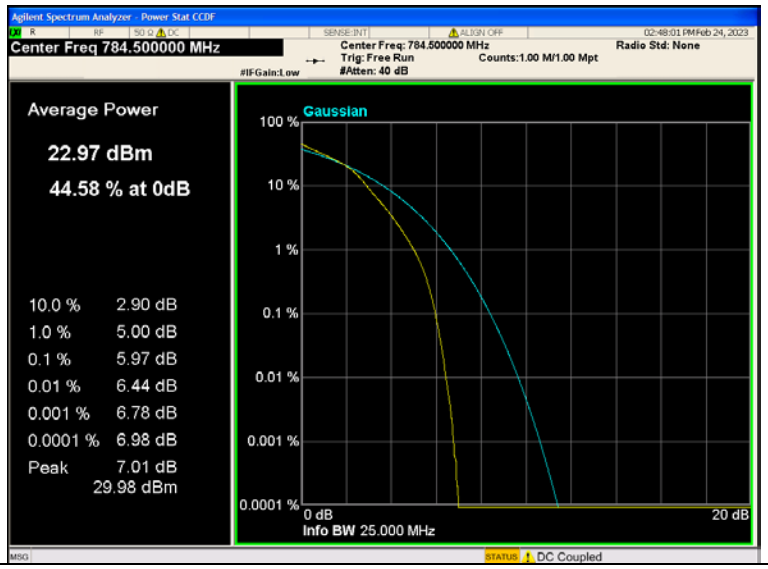
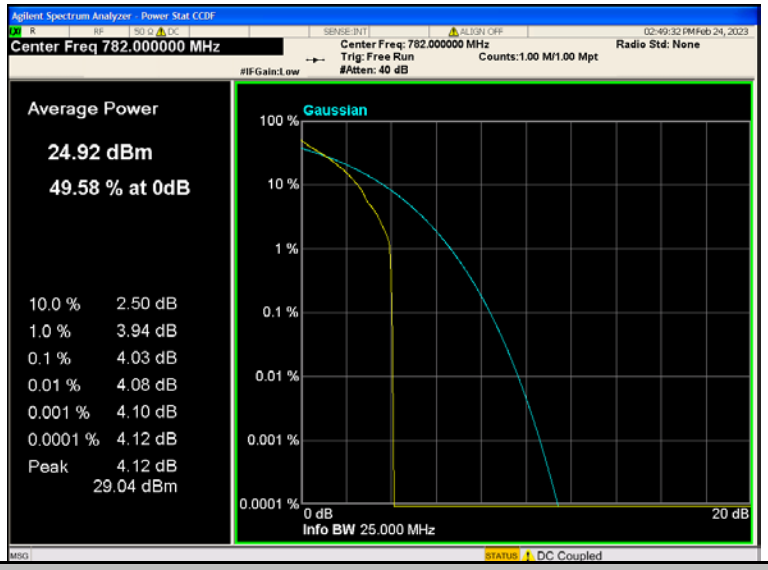
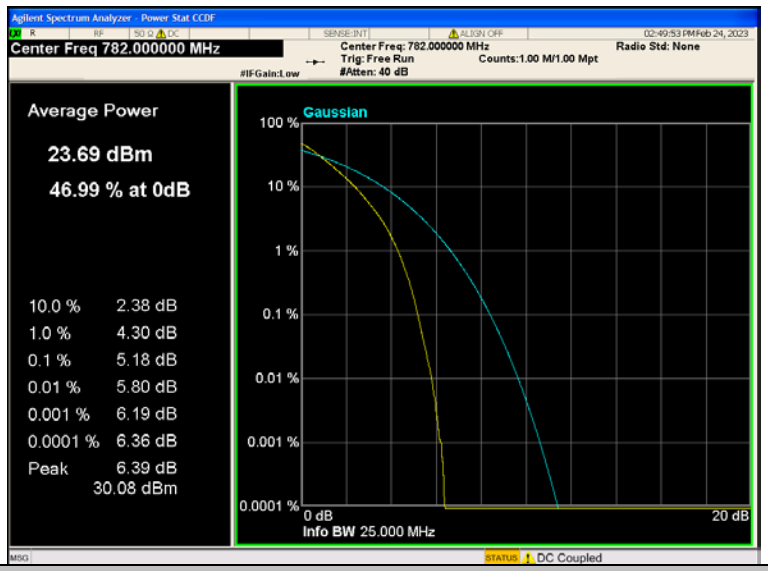


Band13_5MHz_16QAM_23255_25RB#0


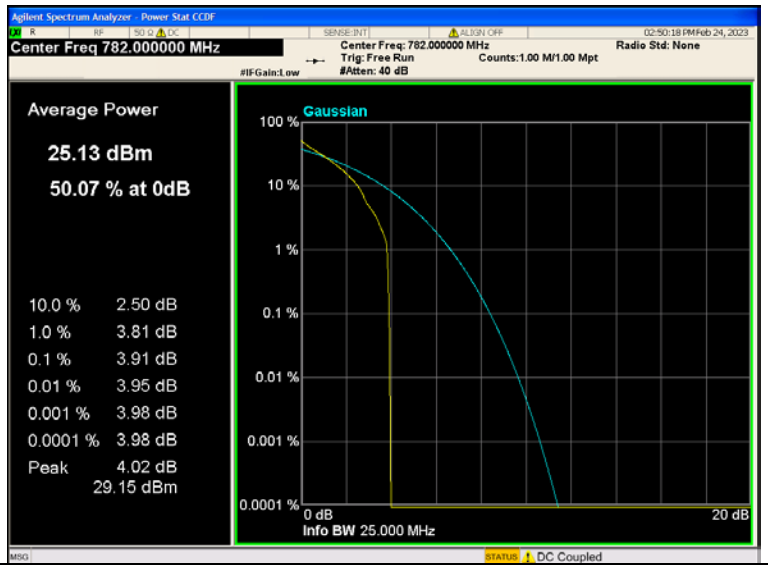
Band13_10MHz_QPSK_23230_1RB#0

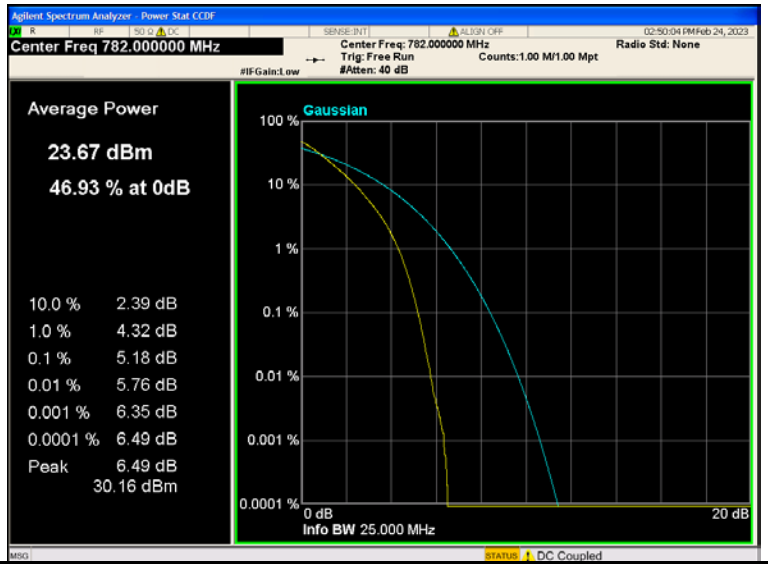


Band13_10MHz_QPSK_23230_50RB#0



Band13_10MHz_16QAM_23230_1RB#0



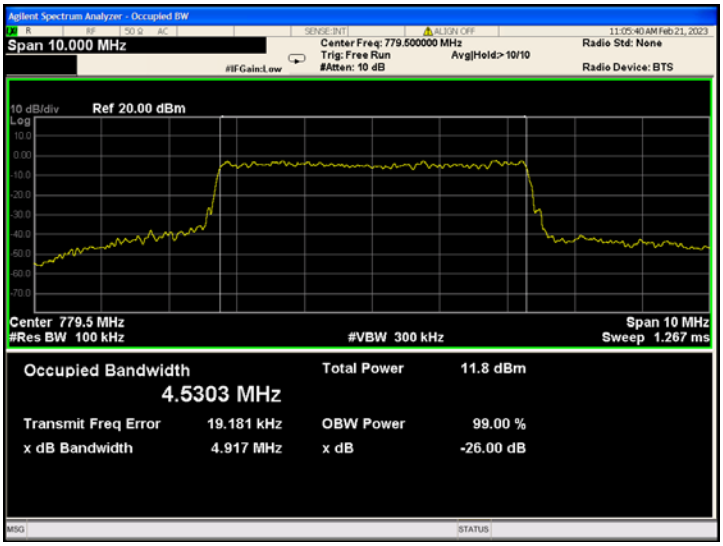
Band13_10MHz_16QAM_23230_50RB#0


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5303	4.917	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5089	4.775	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5057	4.838	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5072	4.791	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4836	4.776	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4767	4.818	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0269	9.688	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.0092	9.572	PASS

Test Graphs

Band13_5MHz_QPSK_23205_25RB#0


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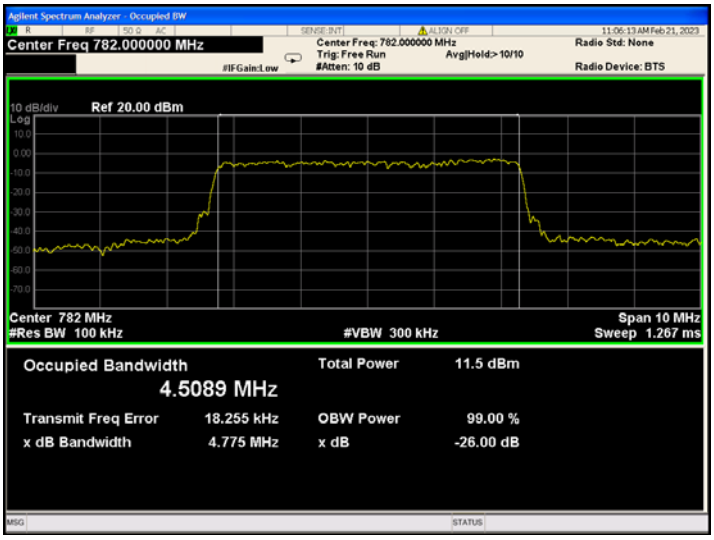
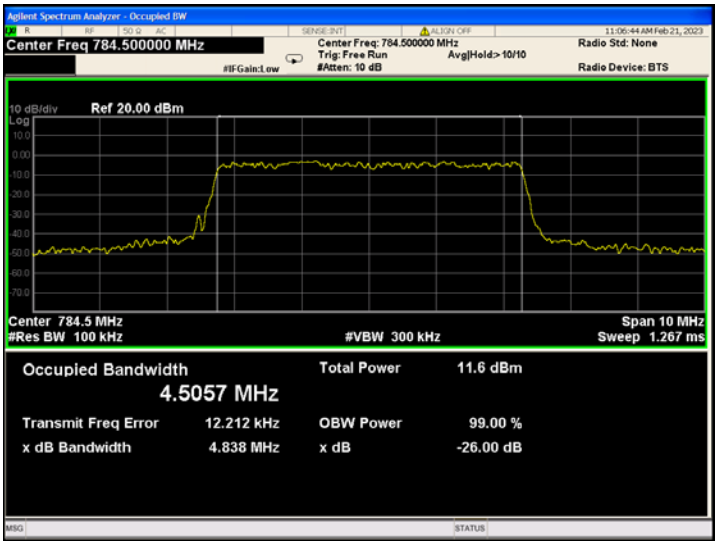
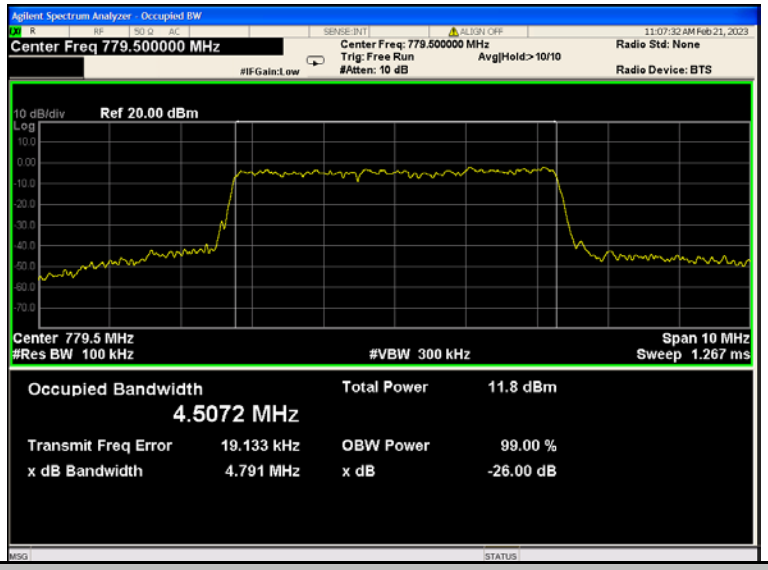
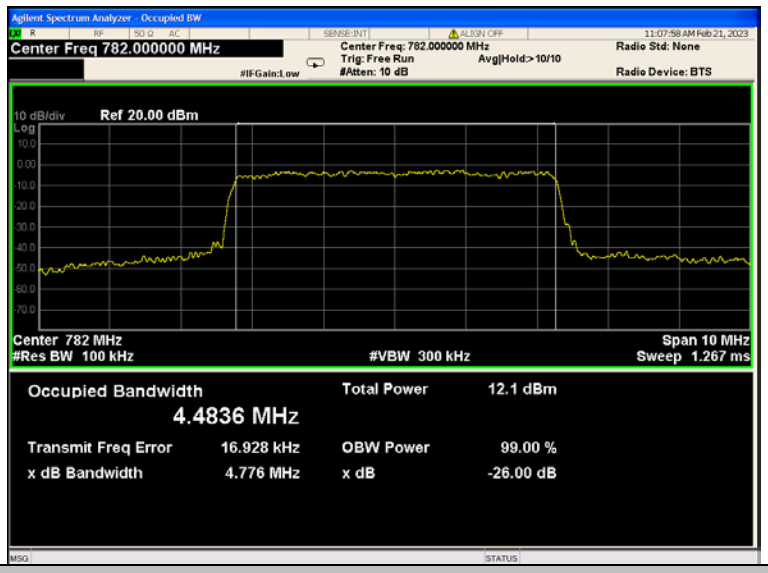


Band13_5MHz_QPSK_23255_25RB#0


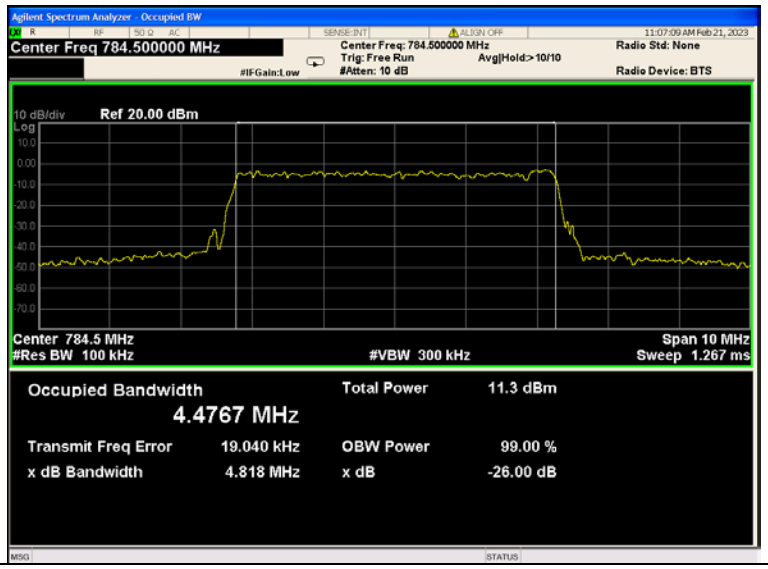
Band13_5MHz_16QAM_23205_25RB#0



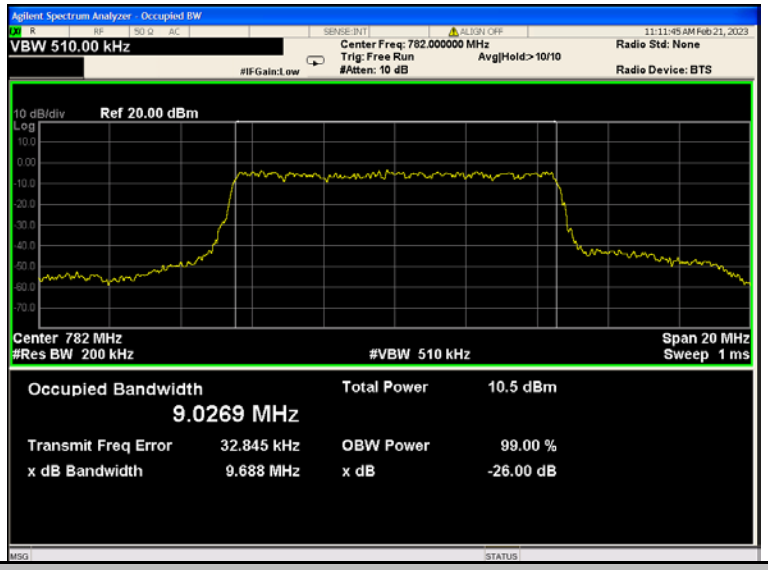
Band13_5MHz_16QAM_23230_25RB#0



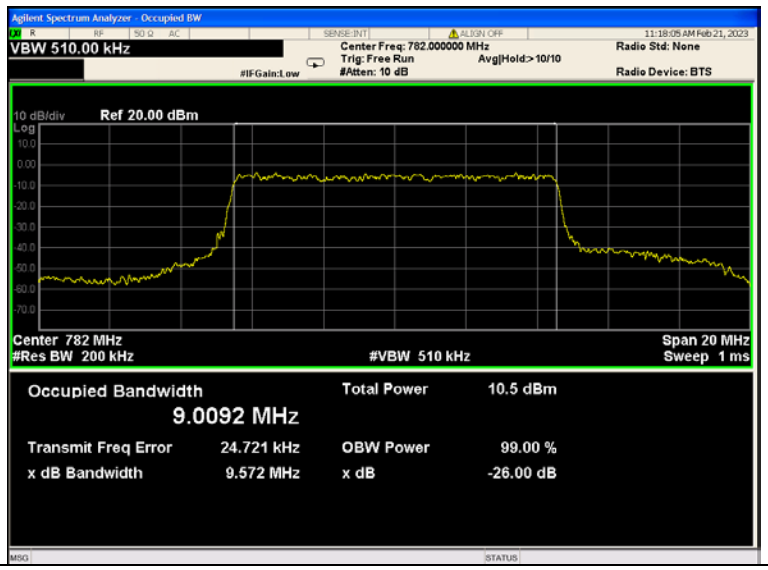
Band13_5MHz_16QAM_23255_25RB#0



Band13_10MHz_QPSK_23230_50RB#0



Band13_10MHz_16QAM_23230_50RB#0



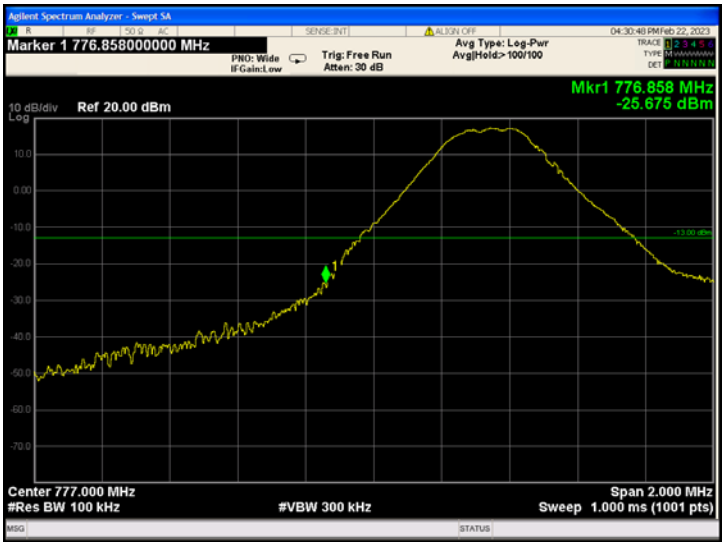
Appendix D: Band Edge

Test Result

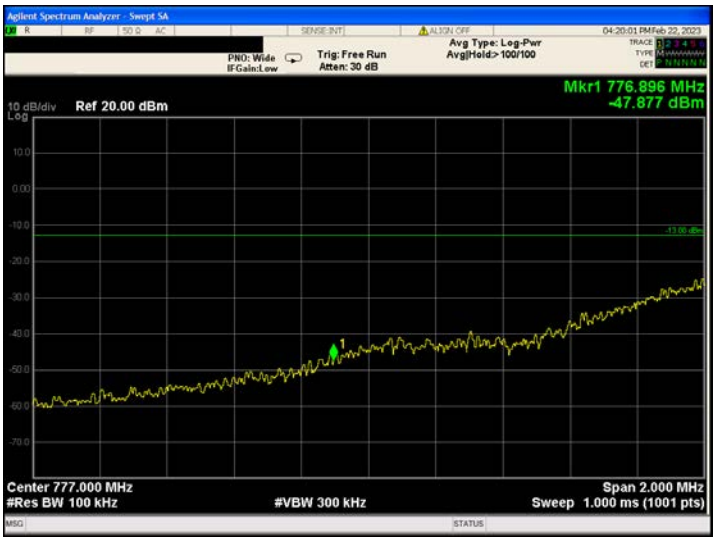
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	See Graph	PASS
Band13	5MHz	QPSK	23205	1RB#12	See Graph	PASS
Band13	5MHz	QPSK	23205	1RB#24	See Graph	PASS
Band13	5MHz	QPSK	23205	25RB#0	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#12	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#24	See Graph	PASS
Band13	5MHz	QPSK	23255	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#12	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#24	See Graph	PASS
Band13	5MHz	16QAM	23205	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#0	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#12	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#24	See Graph	PASS
Band13	5MHz	16QAM	23255	25RB#0	See Graph	PASS

Test Graphs

Band13_5MHz_QPSK_23205_1RB#0

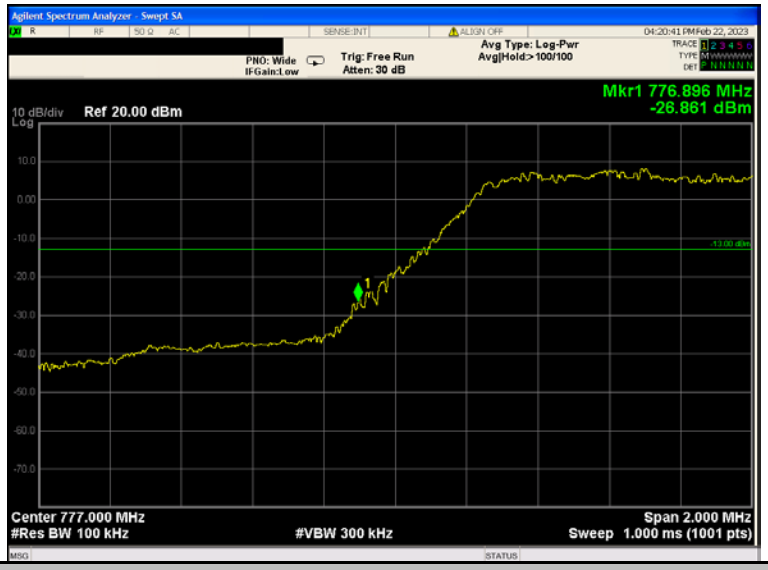


Band13_5MHz_QPSK_23205_1RB#12

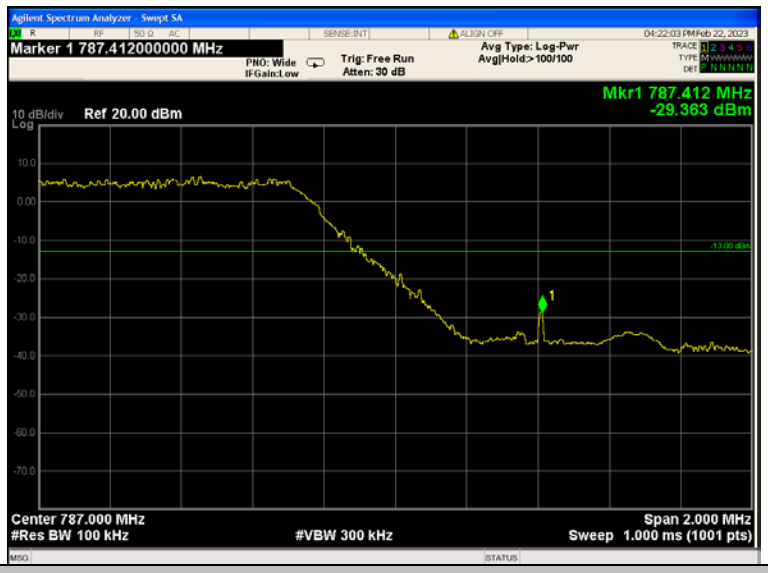


Band13_5MHz_QPSK_23205_1RB#24

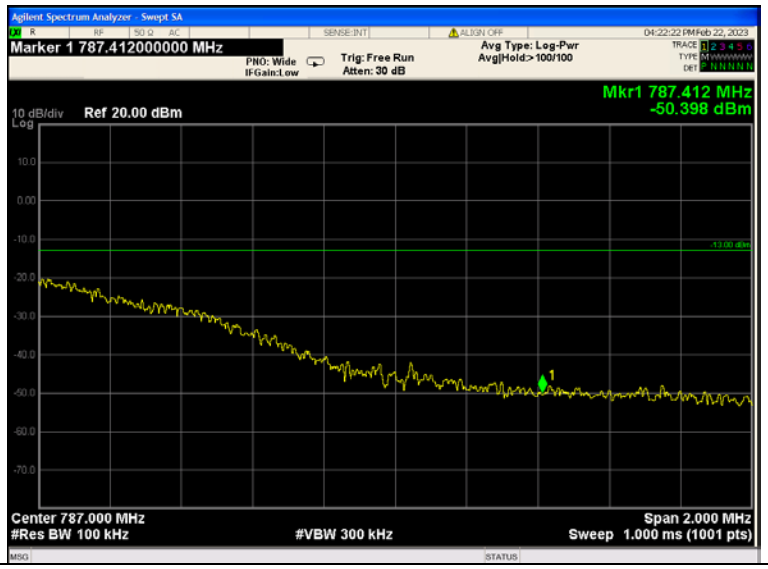
Band13_5MHz_QPSK_23205_25RB#0



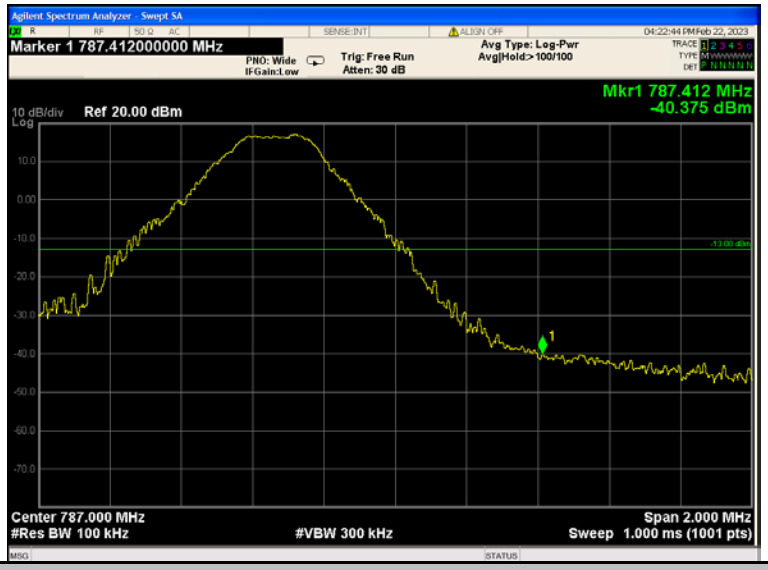
Band13_5MHz_QPSK_23255_1RB#0



Band13_5MHz_QPSK_23255_1RB#12



Band13_5MHz_QPSK_23255_1RB#24



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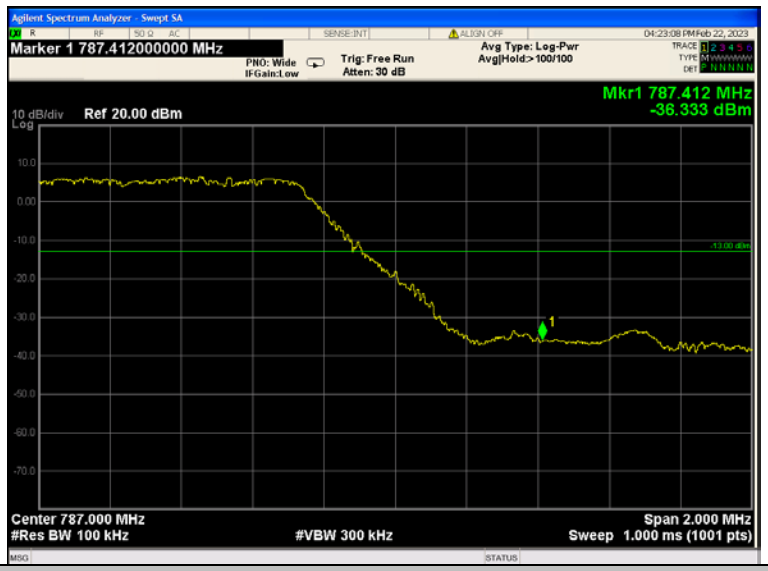
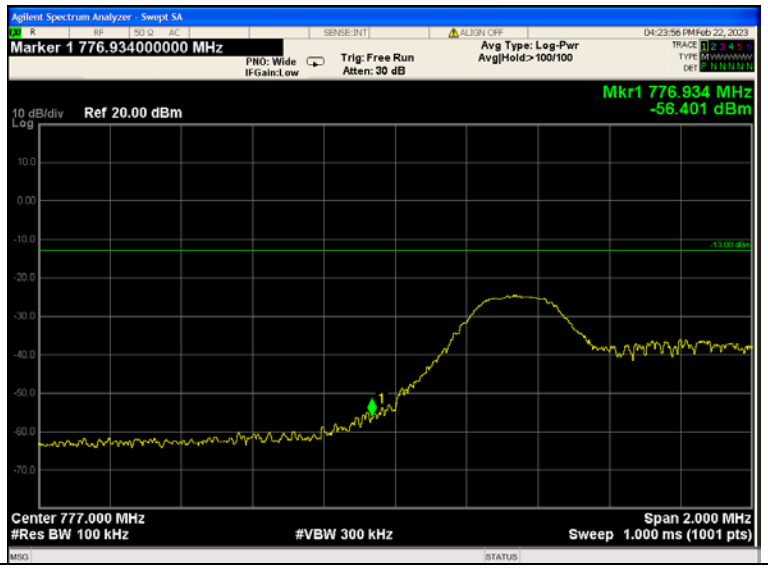


Band13_5MHz_16QAM_23205_1RB#0



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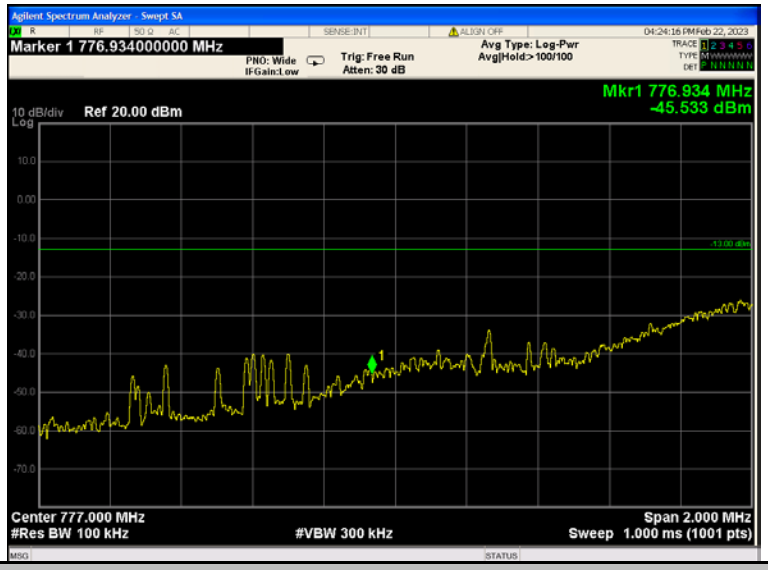

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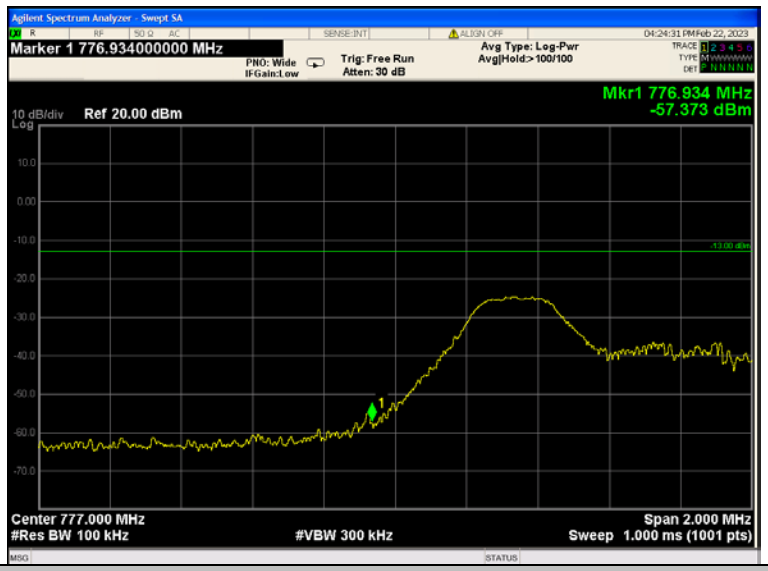

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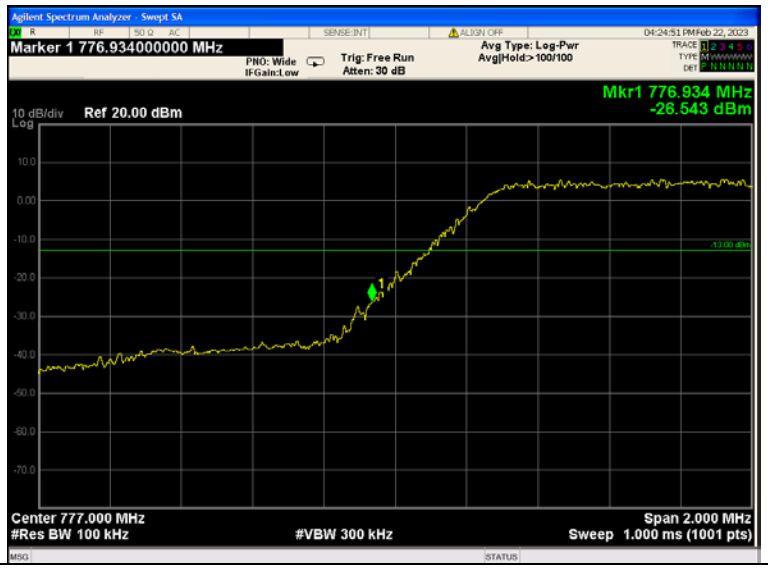

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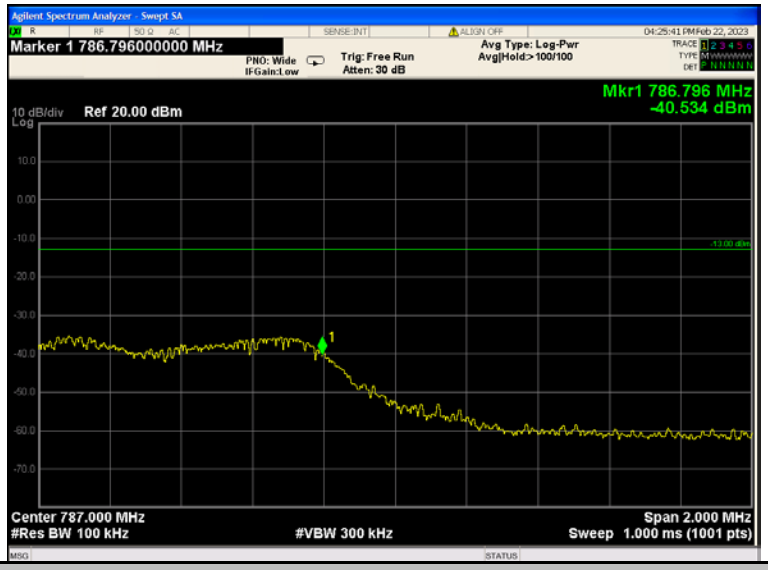

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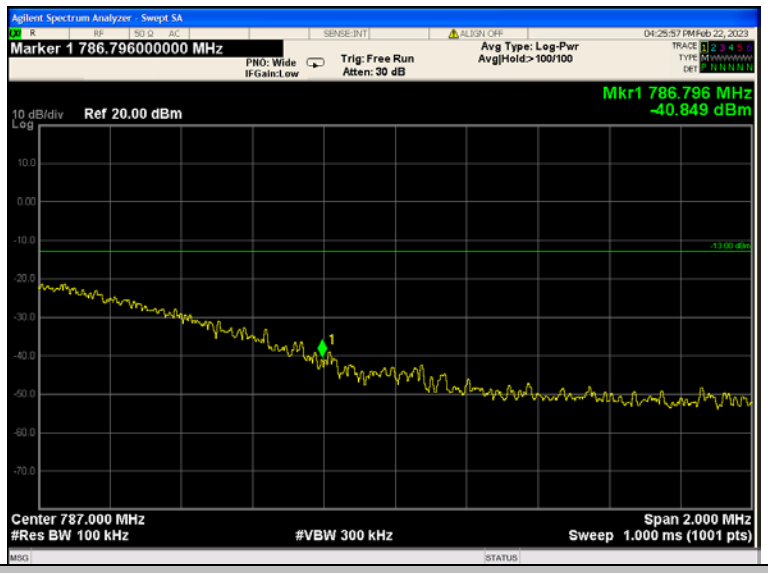

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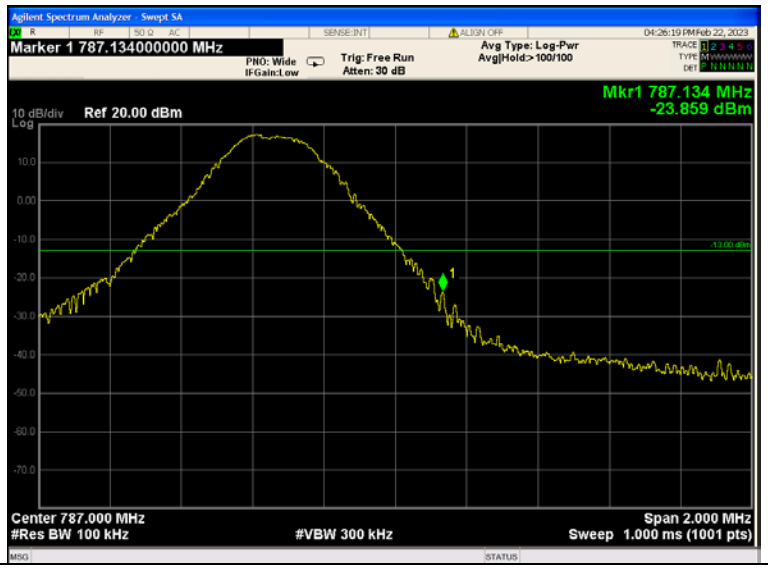

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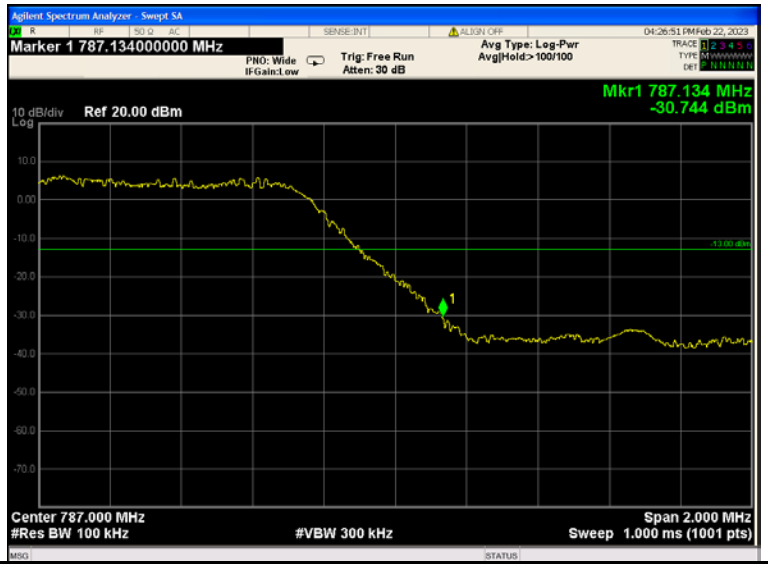


Appendix E: Conducted Spurious Emission

Test Result

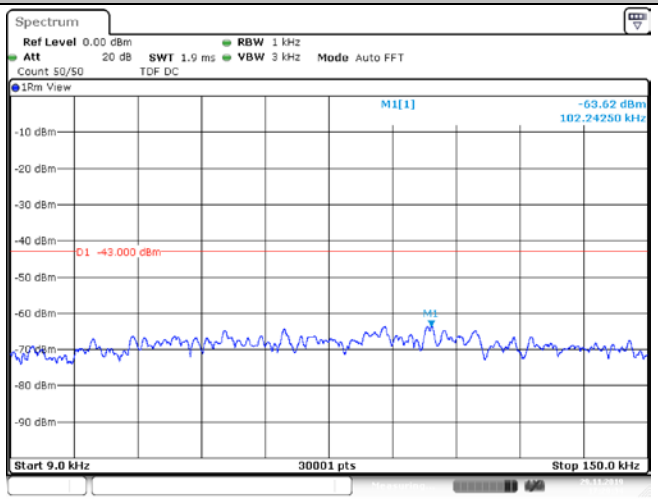
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#12	Range1:0.009~0.15MHz	-63.62	PASS
Band13	5MHz	QPSK	23205	1RB#12	Range2:0.15~30MHz	-47.11	PASS
Band13	5MHz	QPSK	23205	1RB#12	Range3:30~1000MHz	-39.41	PASS
Band13	5MHz	QPSK	23205	1RB#12	Range4:1000~5000MHz	-43.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	Range5:5000~12000MHz	-57.94	PASS
Band13	5MHz	QPSK	23205	1RB#12	Range6:12000~26500MHz	-58.69	PASS
Band13	5MHz	QPSK	23230	1RB#12	Range1:0.009~0.15MHz	-63.66	PASS
Band13	5MHz	QPSK	23230	1RB#12	Range2:0.15~30MHz	-49.34	PASS
Band13	5MHz	QPSK	23230	1RB#12	Range3:30~1000MHz	-36.29	PASS
Band13	5MHz	QPSK	23230	1RB#12	Range4:1000~5000MHz	-43.81	PASS
Band13	5MHz	QPSK	23230	1RB#12	Range5:5000~12000MHz	-58.06	PASS
Band13	5MHz	QPSK	23230	1RB#12	Range6:12000~26500MHz	-58.67	PASS
Band13	5MHz	QPSK	23255	1RB#12	Range1:0.009~0.15MHz	-63.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	Range2:0.15~30MHz	-50.42	PASS
Band13	5MHz	QPSK	23255	1RB#12	Range3:30~1000MHz	-38.78	PASS
Band13	5MHz	QPSK	23255	1RB#12	Range4:1000~5000MHz	-43.9	PASS
Band13	5MHz	QPSK	23255	1RB#12	Range5:5000~12000MHz	-58.01	PASS
Band13	5MHz	QPSK	23255	1RB#12	Range6:12000~26500MHz	-58.64	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:0.009~0.15MHz	-64.64	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:0.15~30MHz	-51.78	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:30~1000MHz	-39.7	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:1000~5000MHz	-43.95	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range5:5000~12000MHz	-58.18	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range6:12000~26500MHz	-58.6	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	-64.33	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	-51.59	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	-38.43	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:1000~5000MHz	-43.93	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range5:5000~12000MHz	-57.96	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range6:12000~26500MHz	-58.49	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:0.009~0.15MHz	-64.61	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:0.15~30MHz	-46.3	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:30~1000MHz	-39.11	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:1000~5000MHz	-43.94	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:5000~12000MHz	-58.11	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range6:12000~26500MHz	-58.5	PASS

Band13	10MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	-63.9	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	-50.59	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	-38.18	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:1000~5000MHz	-43.95	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:5000~12000MHz	-58.09	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range6:12000~26500MHz	-58.56	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	-64.4	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	-51.6	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	-38.94	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range4:1000~5000MHz	-43.98	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range5:5000~12000MHz	-57.93	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range6:12000~26500MHz	-58.47	PASS

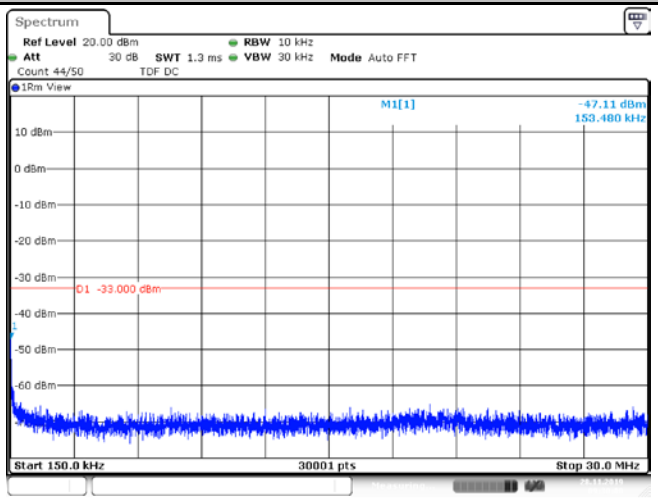
All the RB Configurations were tested and only record the worst result.

Test Graphs

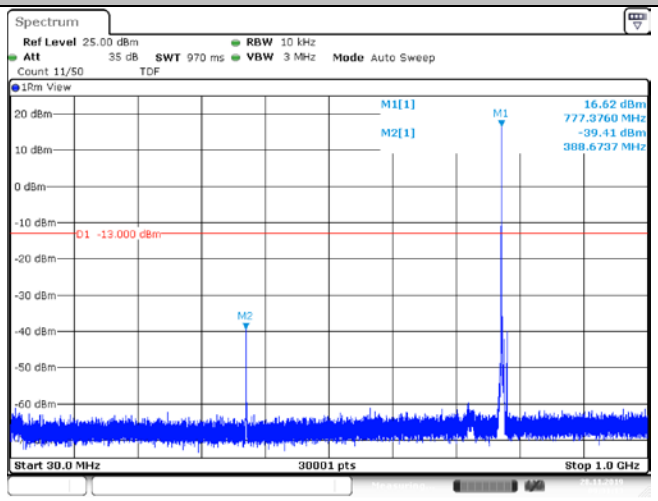
Band13_5MHz_QPSK_23205_1RB#12



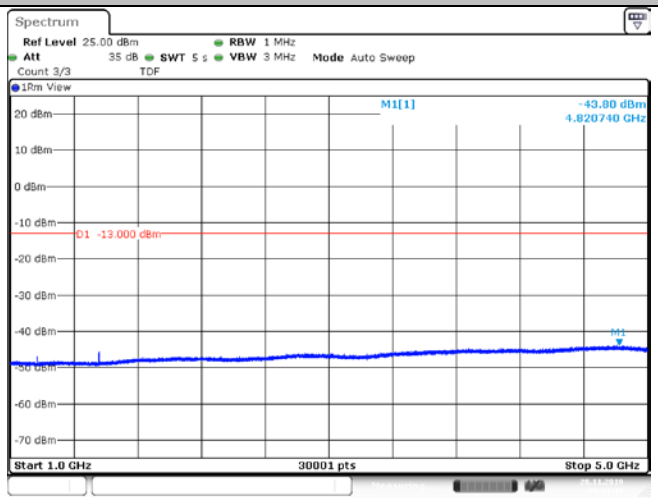
Band13_5MHz_QPSK_23205_1RB#12



Band13_5MHz_QPSK_23205_1RB#12



Band13_5MHz_QPSK_23205_1RB#12



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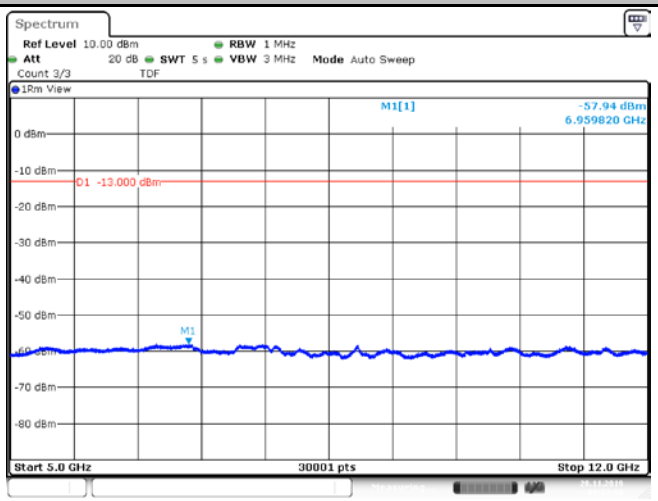

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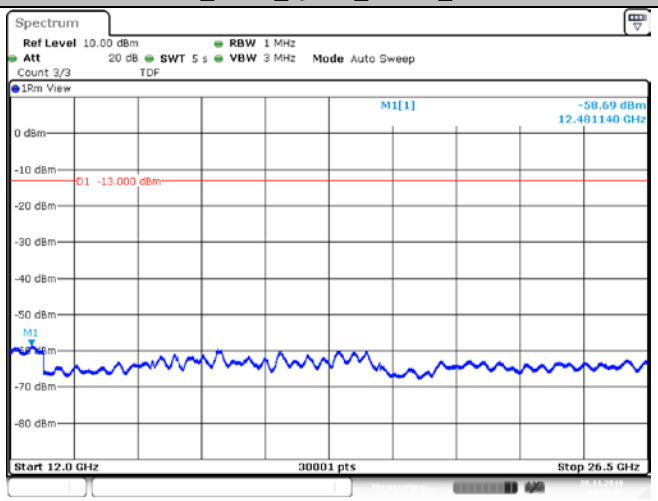

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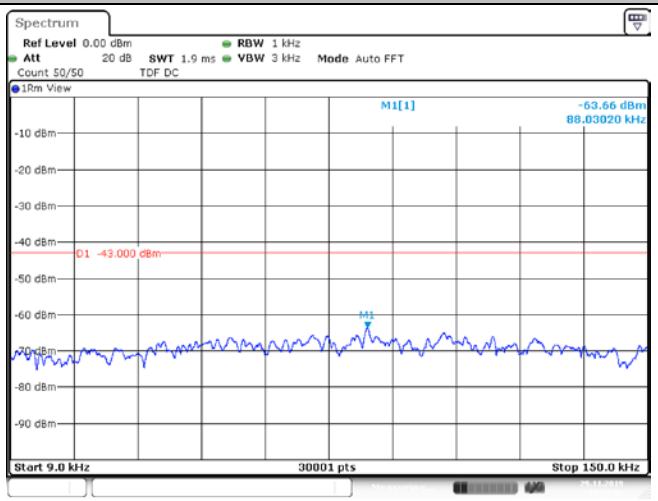

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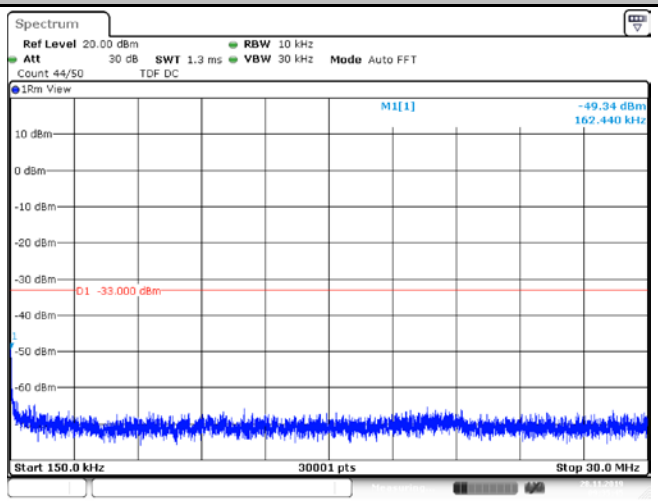

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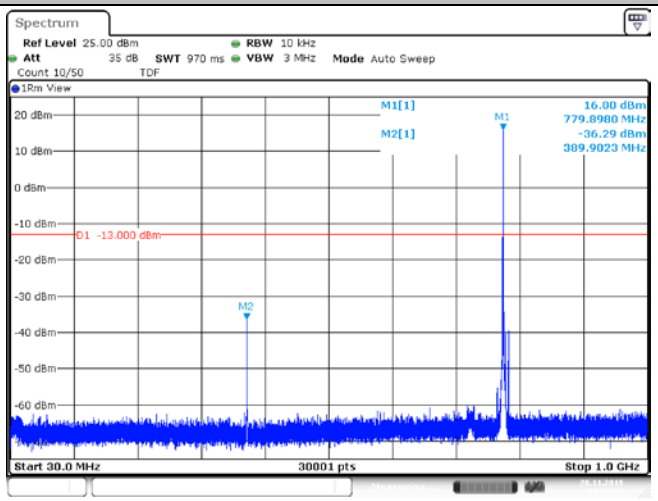

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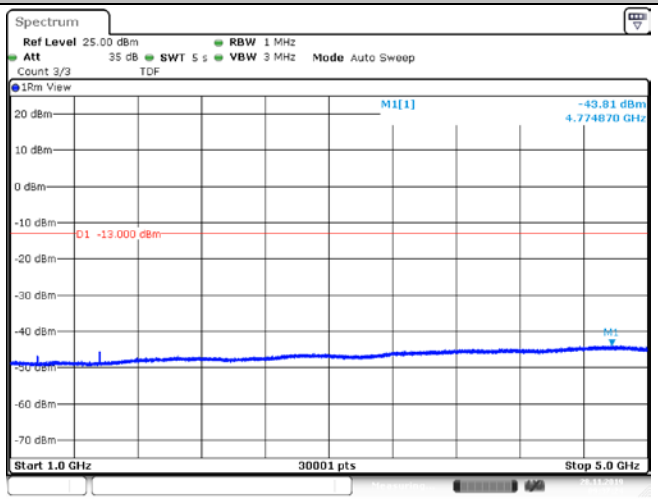

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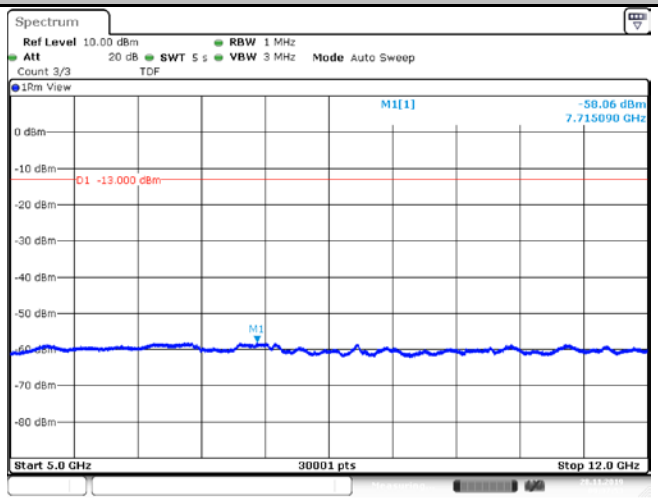

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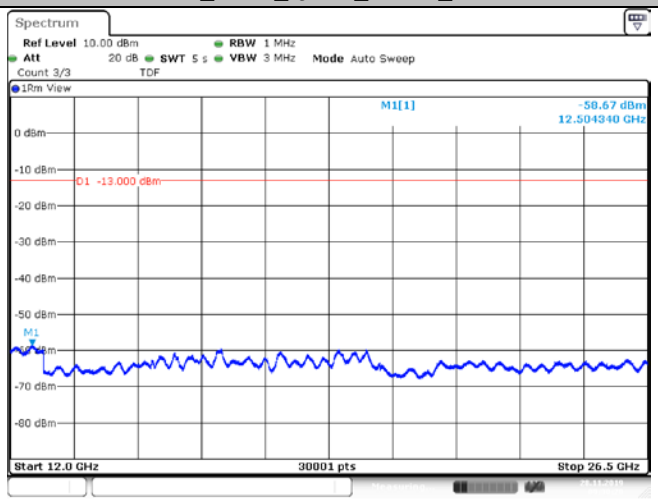

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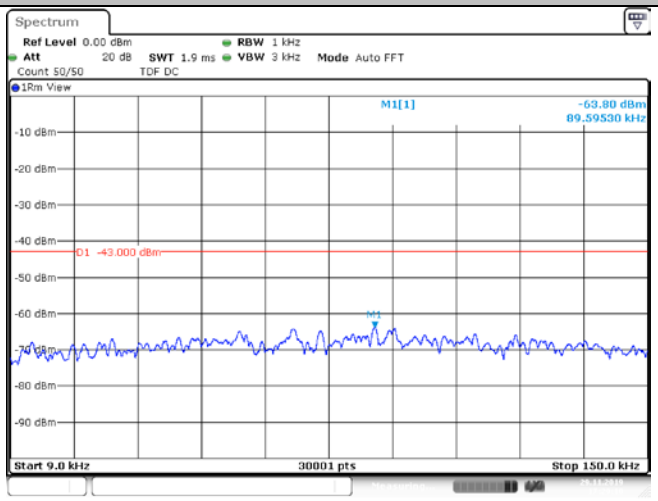

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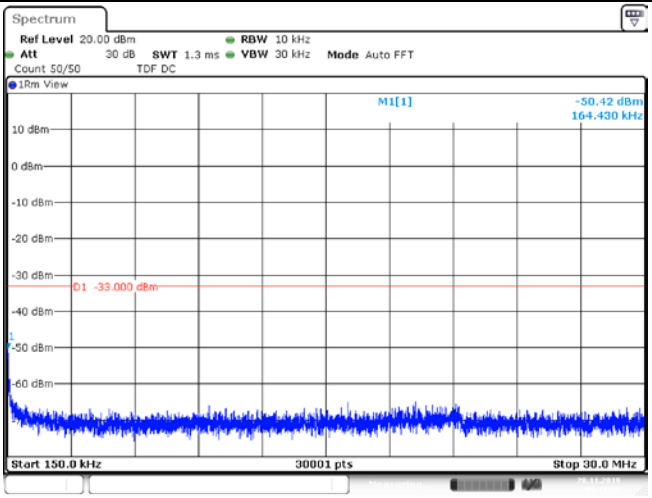

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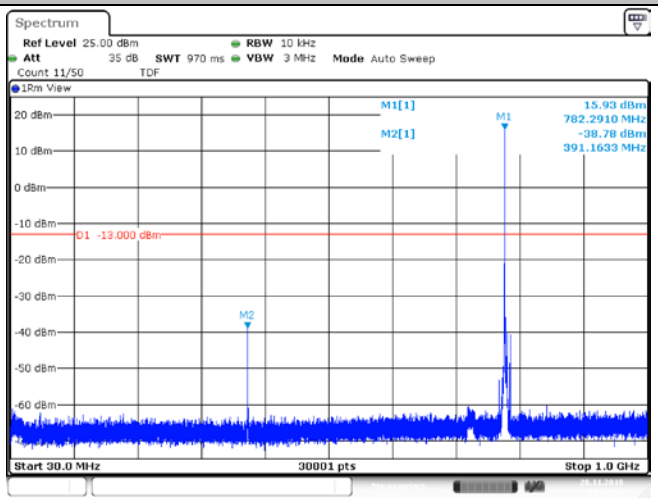

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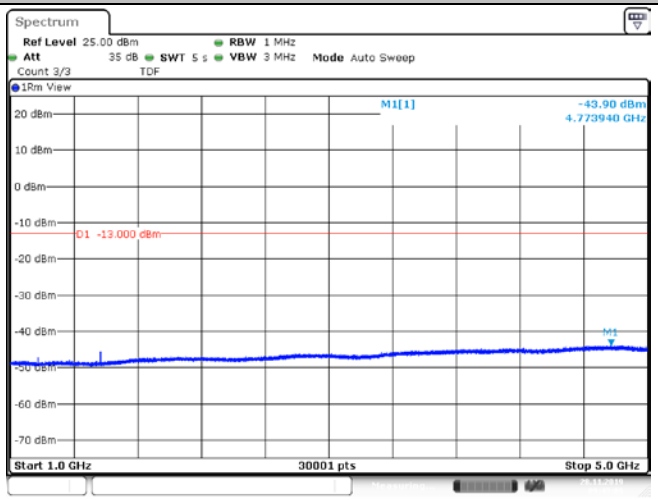

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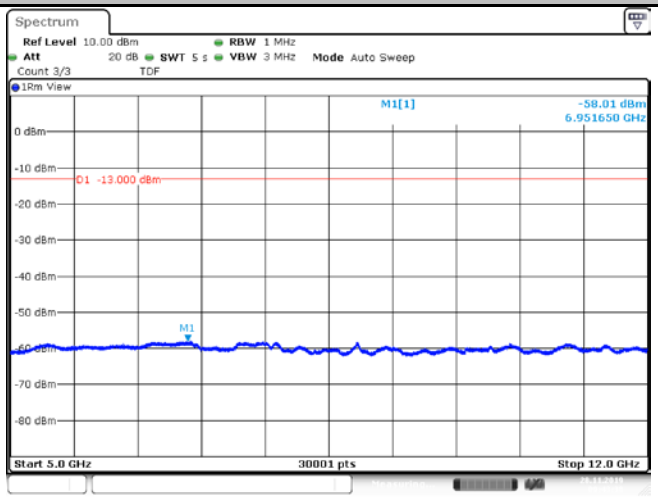

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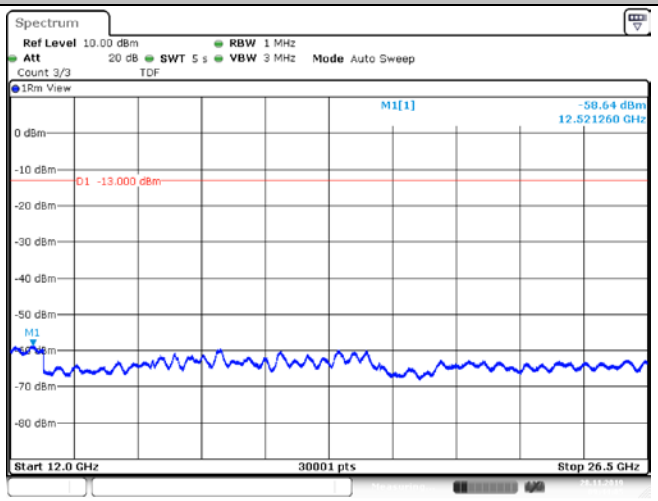

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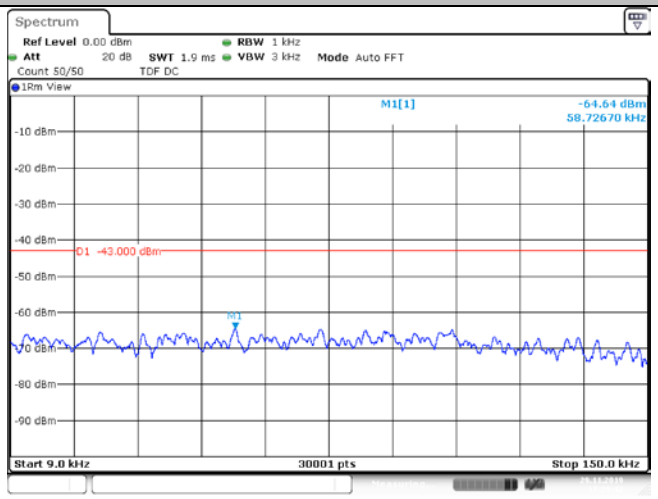

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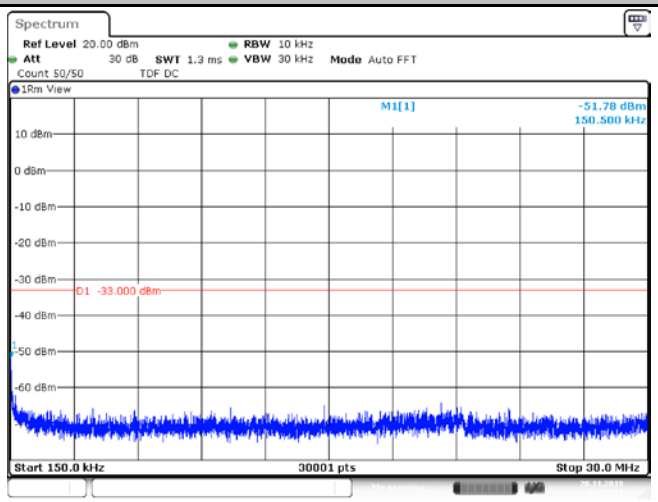

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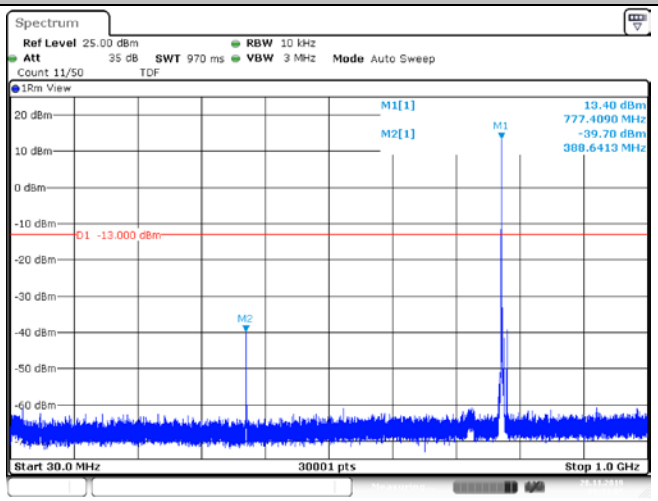

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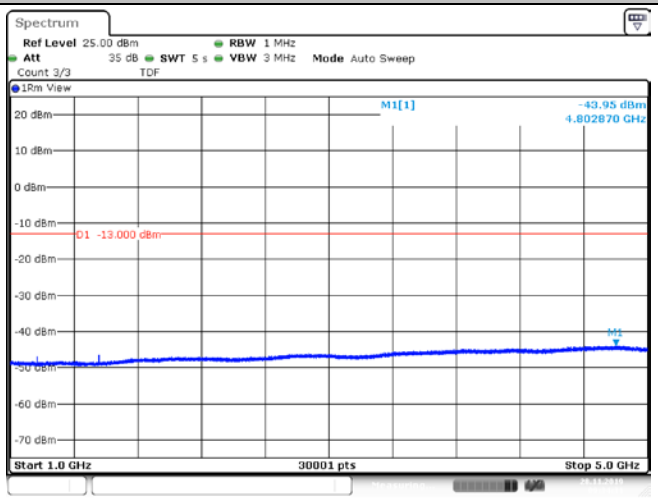

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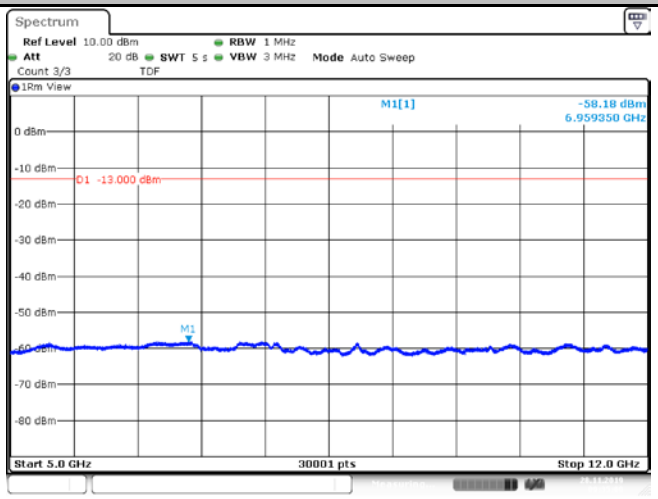

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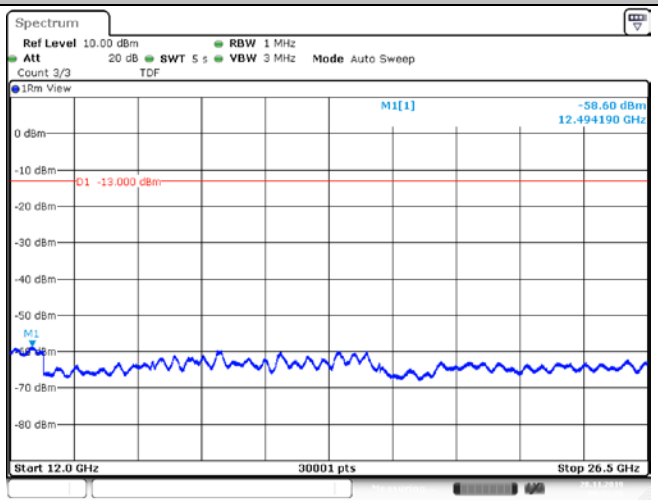

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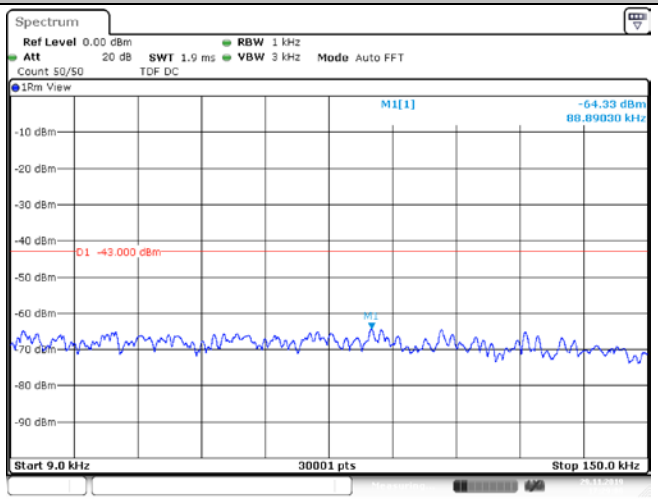

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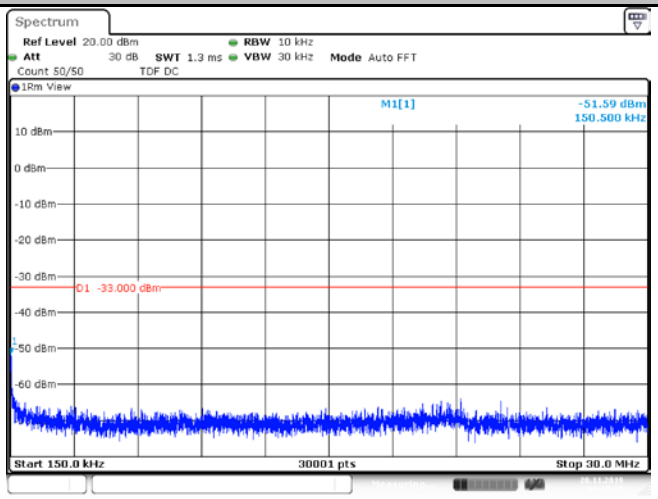

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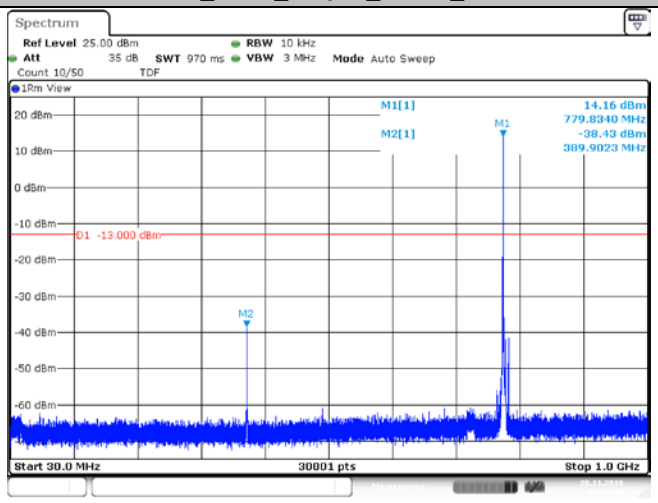
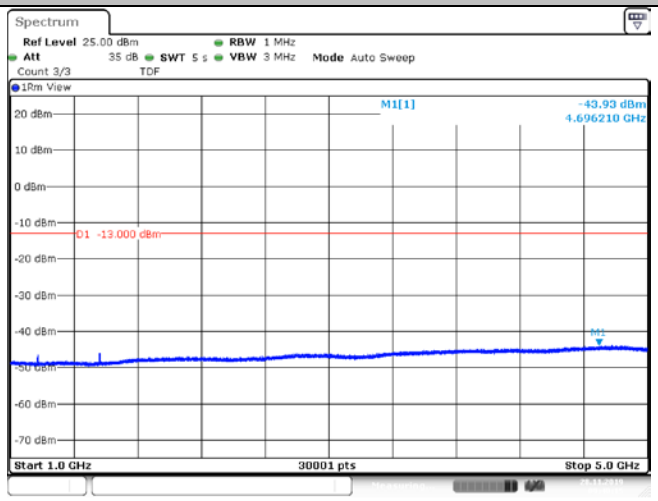
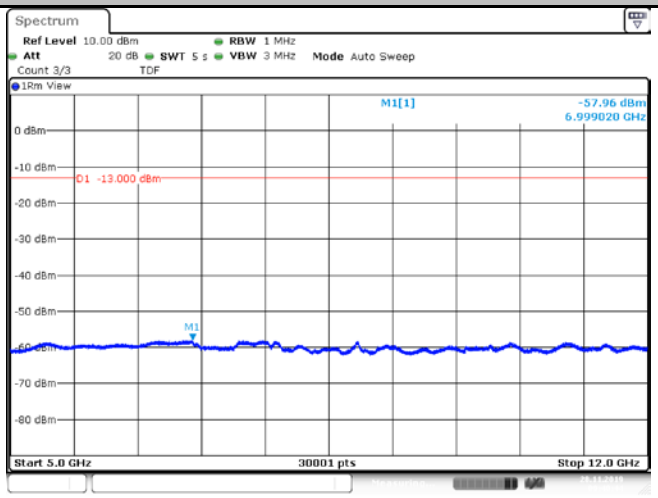


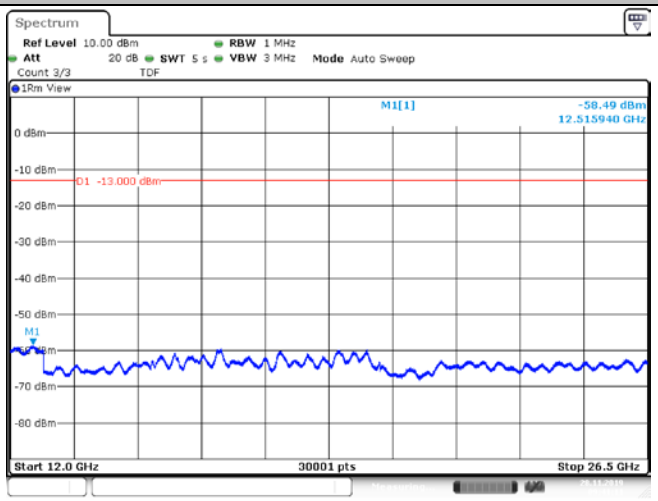
Band13_5MHz_16QAM_23230_1RB#0



Band13_5MHz_16QAM_23230_1RB#0



Band13_5MHz_16QAM_23230_1RB#0



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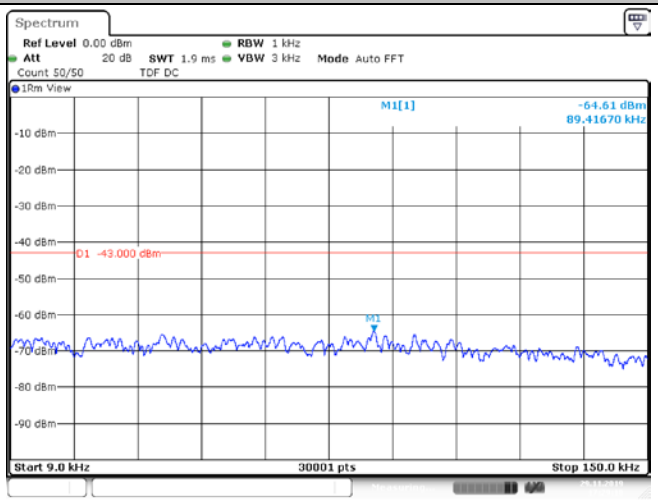

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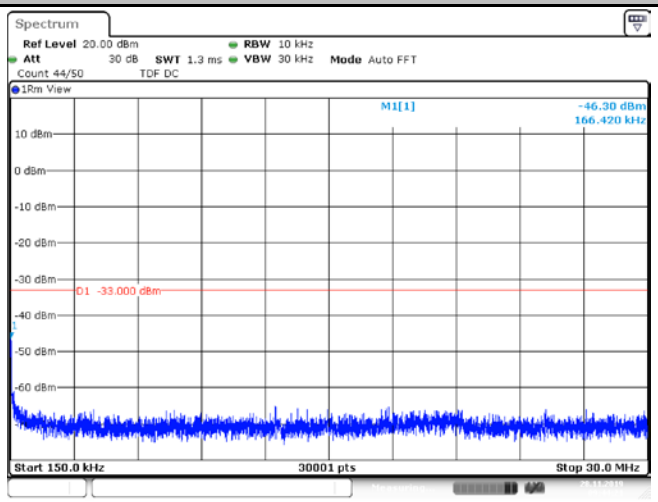

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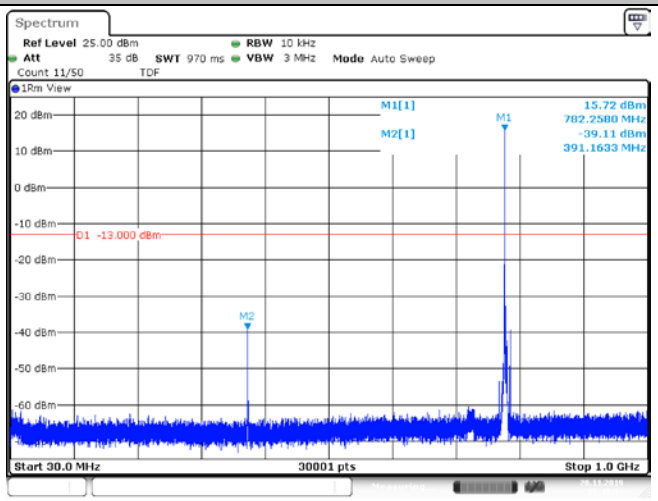

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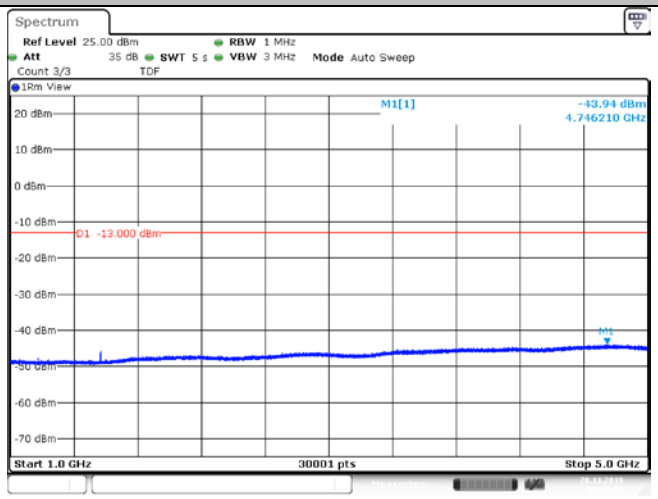

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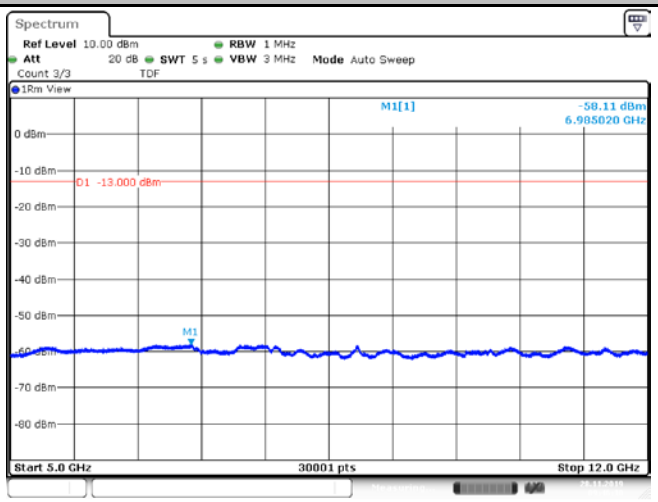

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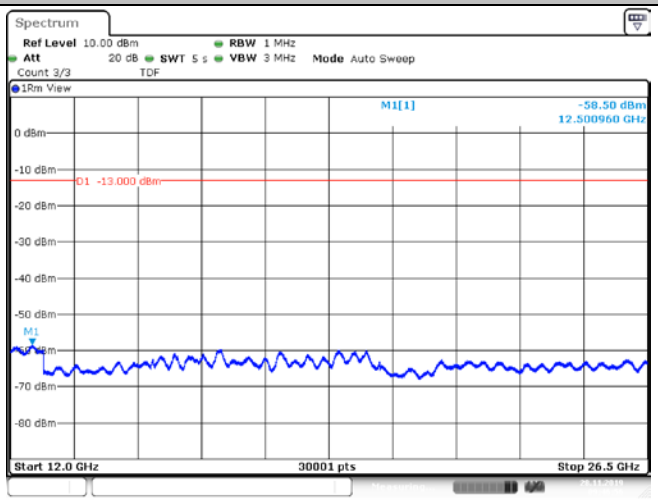

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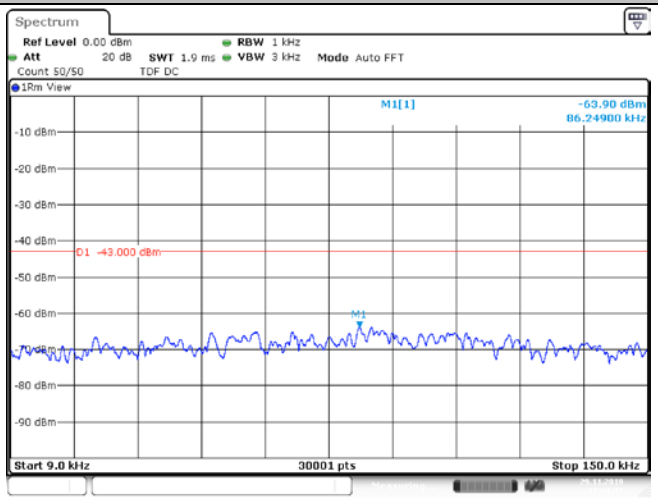

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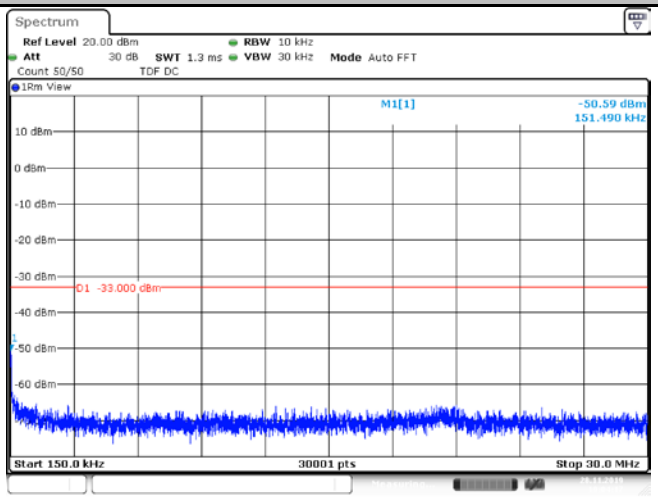

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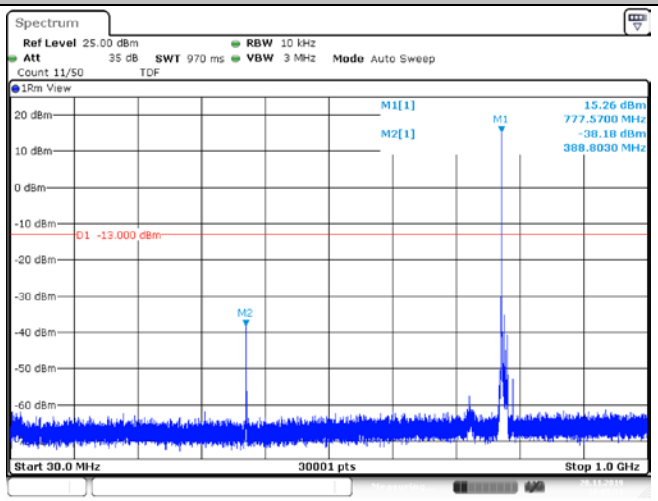

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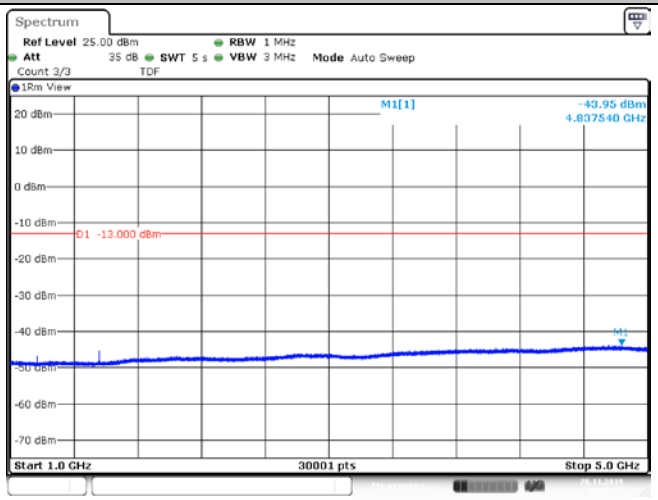

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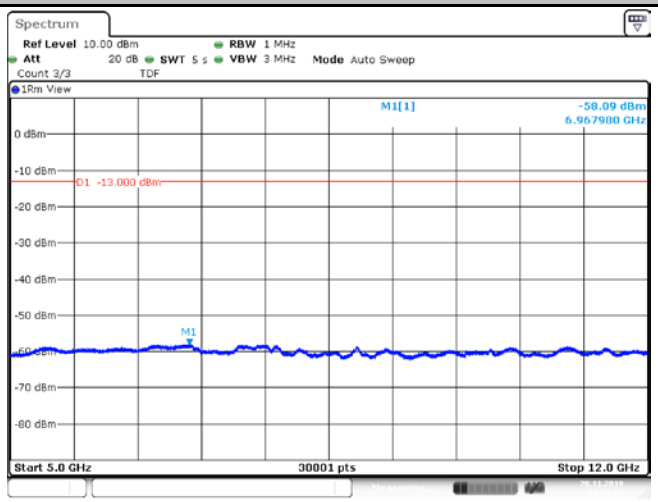

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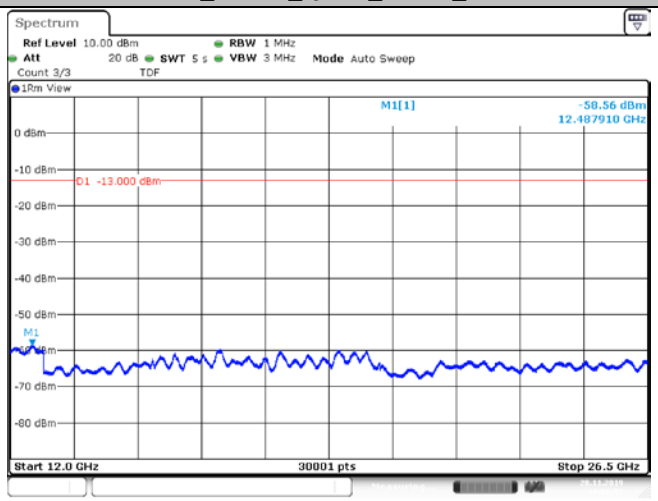

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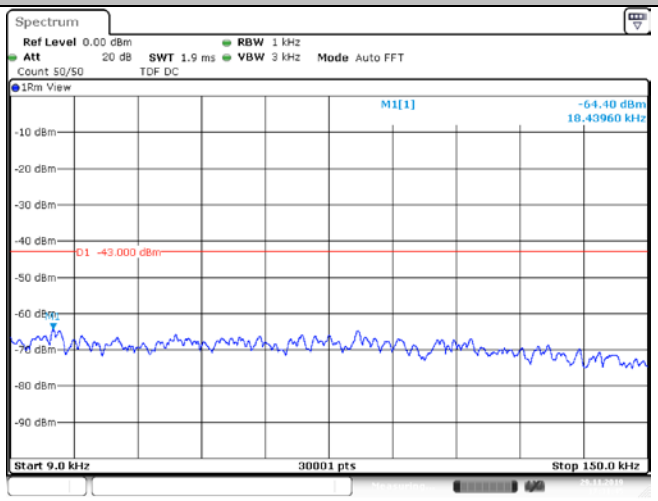

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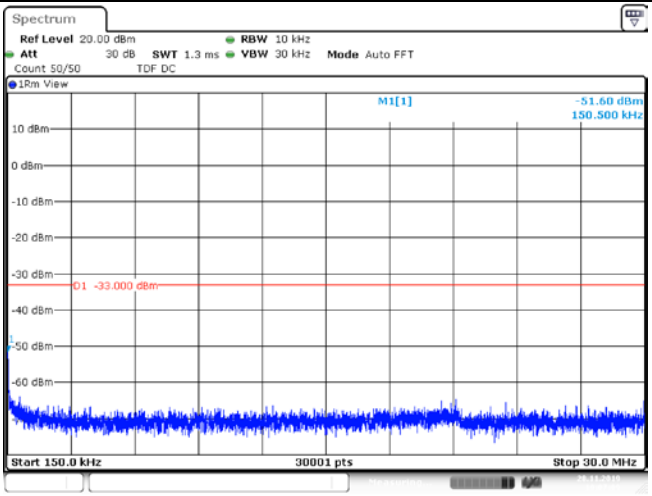

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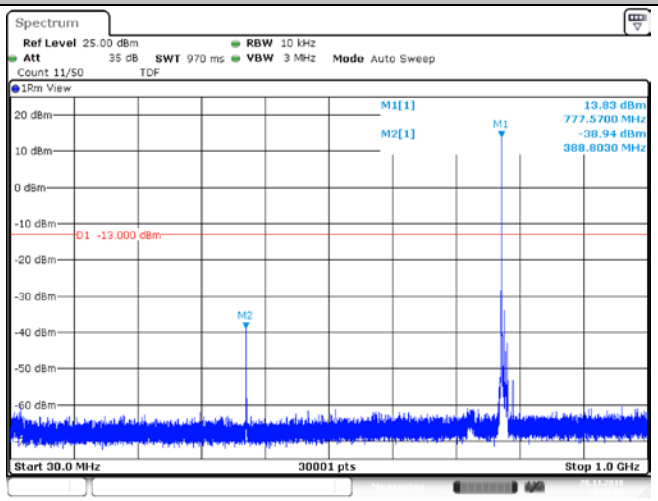

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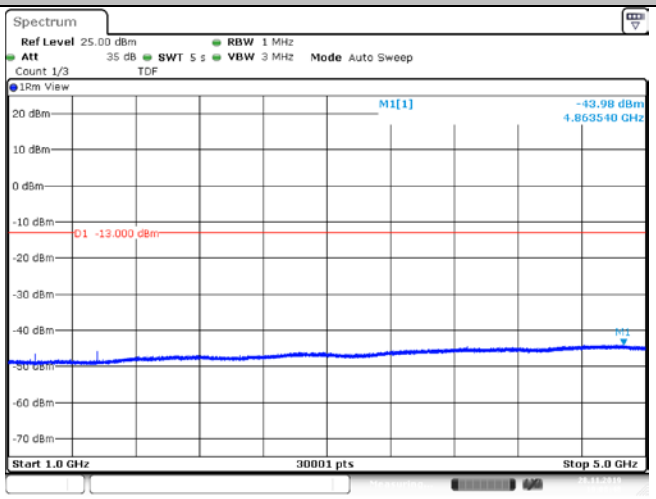

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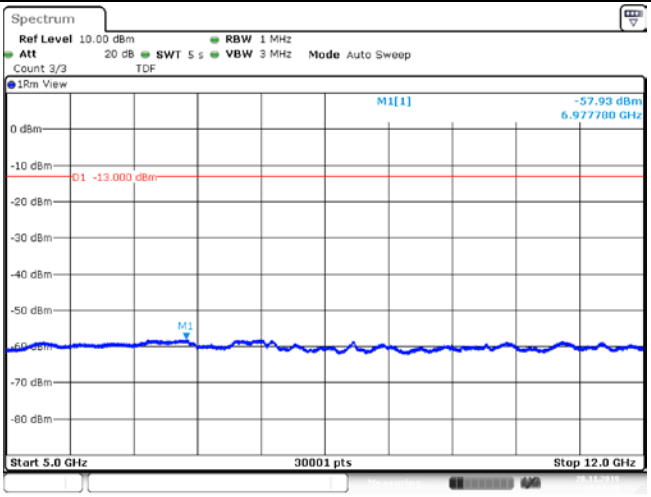

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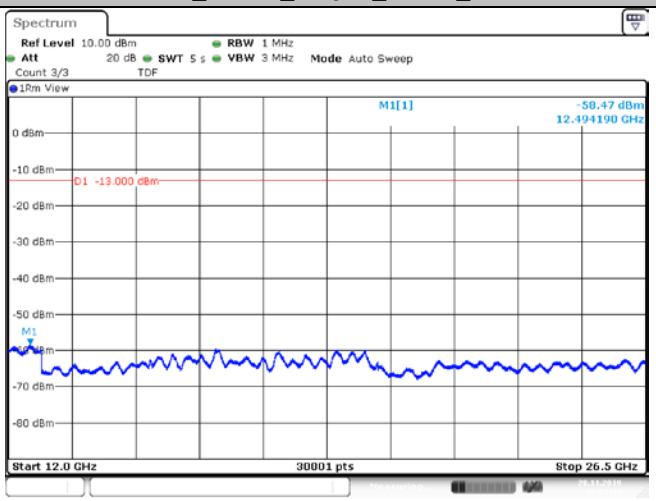

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-2.76	-0.003309	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-2.98	-0.003616	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	3.79	0.005655	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-6.74	-0.008757	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-4.13	-0.005189	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	3.54	0.005310	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-3.29	-0.004038	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-4.38	-0.005534	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-3.41	-0.004205	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-2.26	-0.002632	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-3.69	-0.004588	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	2.23	0.003519	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	5.69	0.008251	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-2.92	-0.003527	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-6.54	-0.008488	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-4.57	-0.005790	±2.5	PASS