



Appendix I: Test Data for E-UTRA Band 17

Product Name: Wireless Router

Test Model: TR200

Environmental Conditions

Temperature:	21.6° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan



I.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.43	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.34	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.32	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.33	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.32	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.29	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.32	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.25	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.13	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.21	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.14	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.29	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.33	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.31	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.44	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.41	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.03	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.35	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.19	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.32	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.23	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.70	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.57	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.62	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.40	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.43	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.42	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.42	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.04	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.01	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.96	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.41	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.60	PASS



Band17	5MHz	16QAM	23790	12RB#13	21.61	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.22	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.29	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.02	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.05	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.29	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.29	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.45	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.64	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.42	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.24	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.39	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.35	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.33	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.33	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.34	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.18	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.17	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.16	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.54	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.54	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.39	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.39	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.55	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.51	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.46	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.40	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.47	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.60	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.43	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.74	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.74	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.81	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.46	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.41	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.54	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.44	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.68	PASS



Band17	10MHz	16QAM	23790	1RB#24	22.63	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.68	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.53	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.67	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.56	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.66	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.82	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.85	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.85	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.67	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.67	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.73	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.53	PASS



I.2 Peak-to-Average Ratio(CCDF)

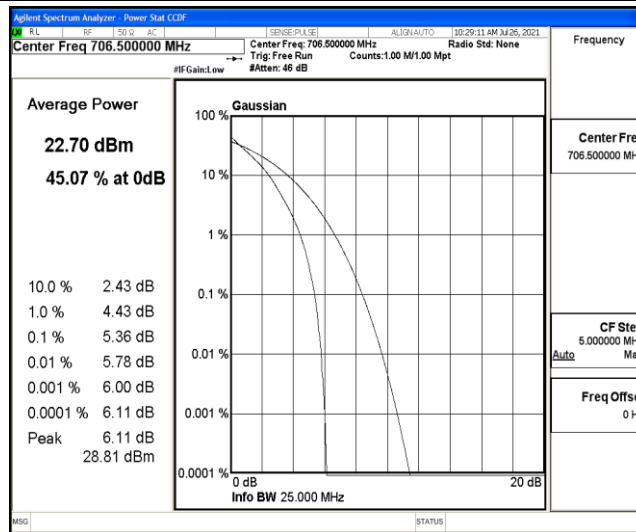
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.36	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.31	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.00	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.04	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.02	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.82	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.37	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.20	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.07	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.04	13	PASS

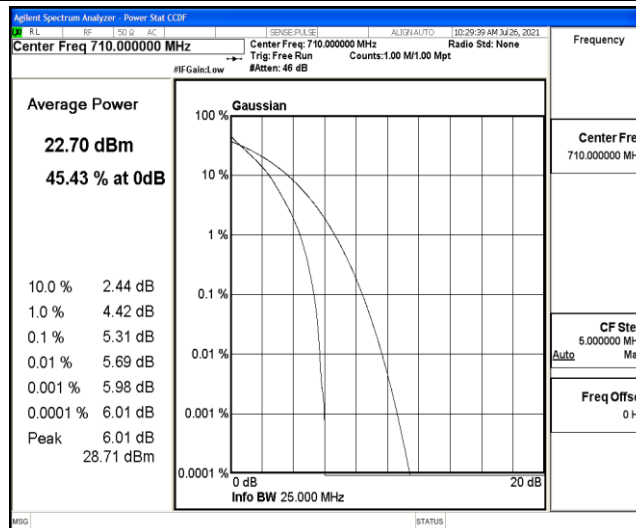


Test Graphs

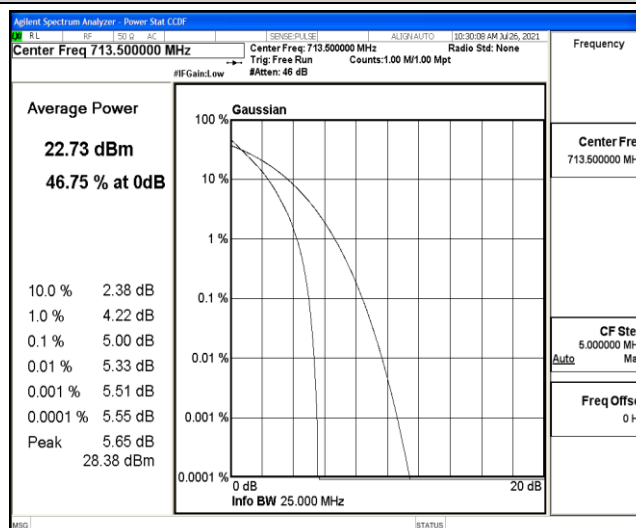
Band17-5MHz-QPSK-23755-25RB#0



Band17-5MHz-QPSK-23790-25RB#0

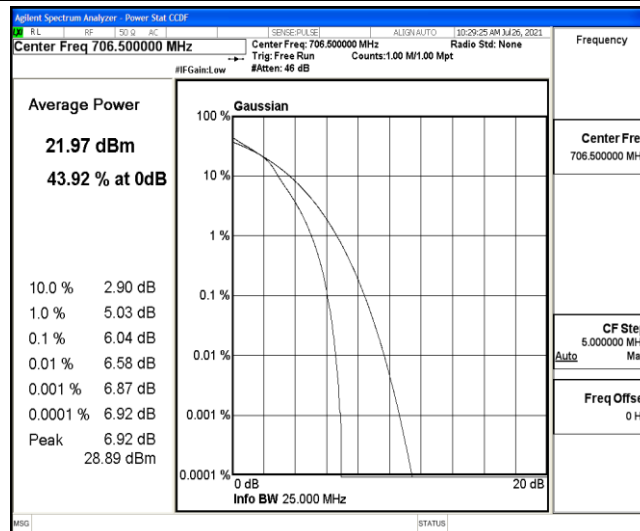


Band17-5MHz-QPSK-23825-25RB#0

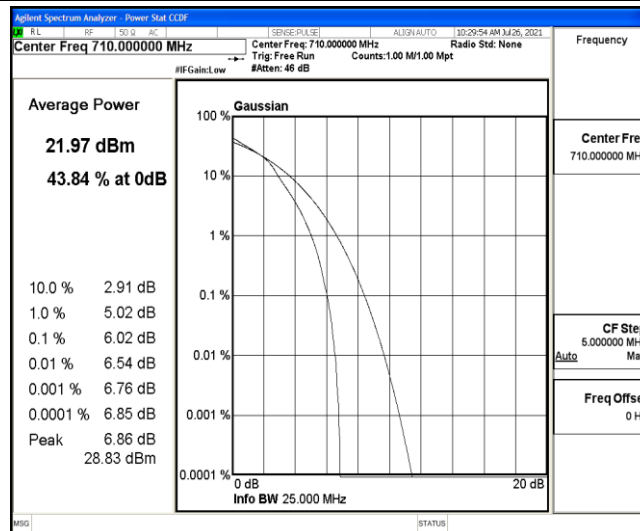




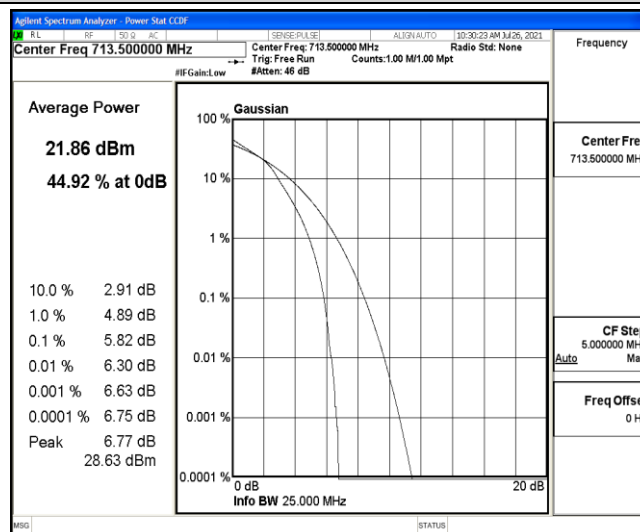
Band17-5MHz-16QAM-23755-25RB#0



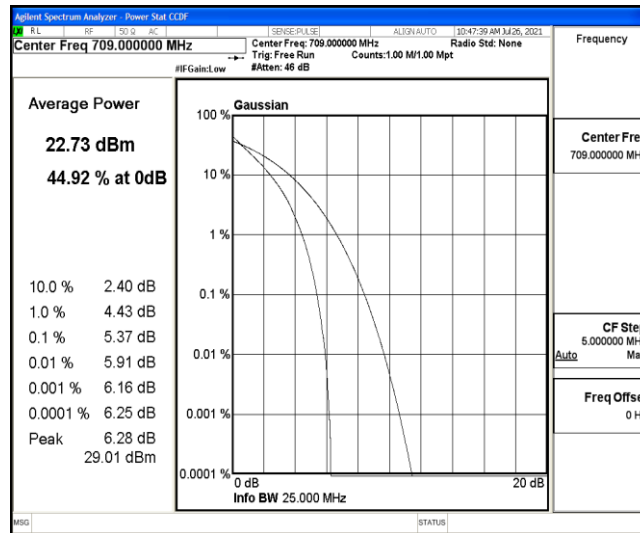
Band17-5MHz-16QAM-23790-25RB#0



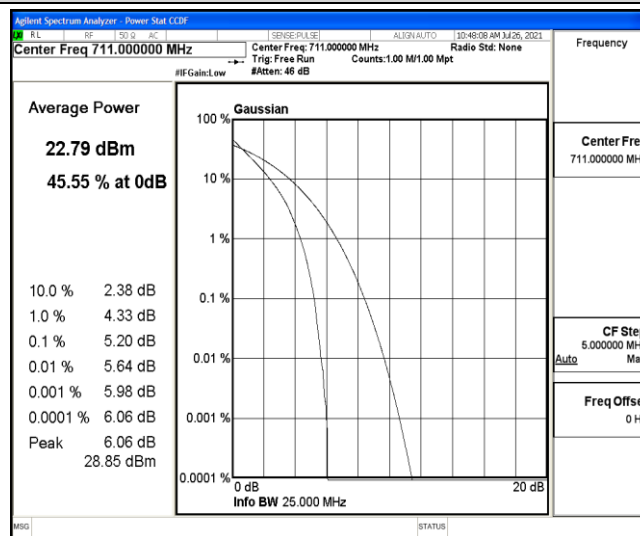
Band17-5MHz-16QAM-23825-25RB#0



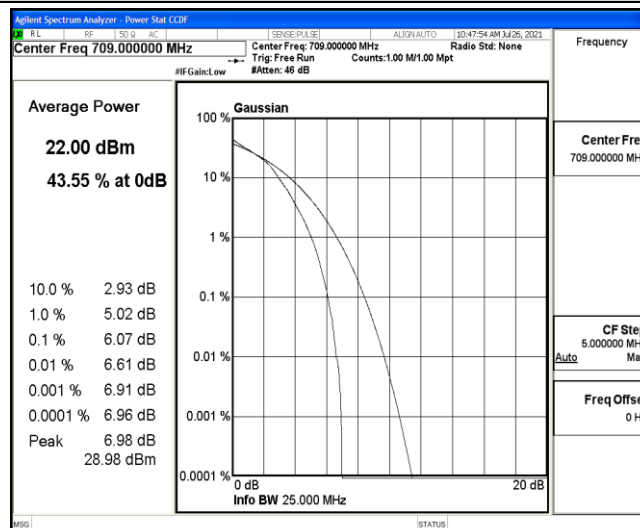
Band17-10MHz-QPSK-23780-50RB#0



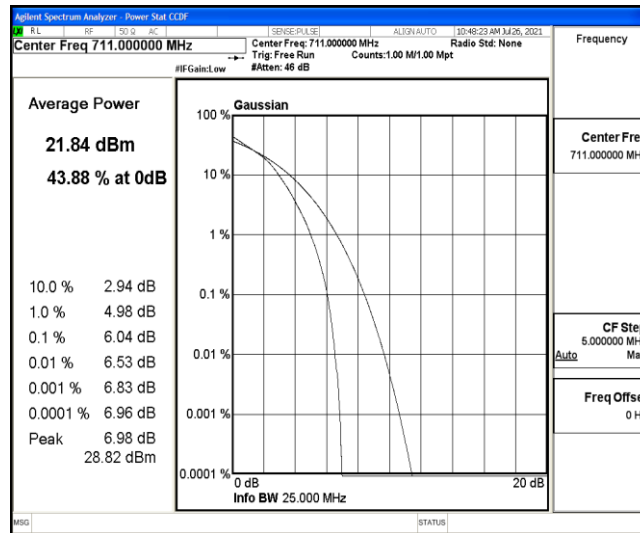
Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-50RB#0





I.3 26dB Bandwidth and Occupied Bandwidth

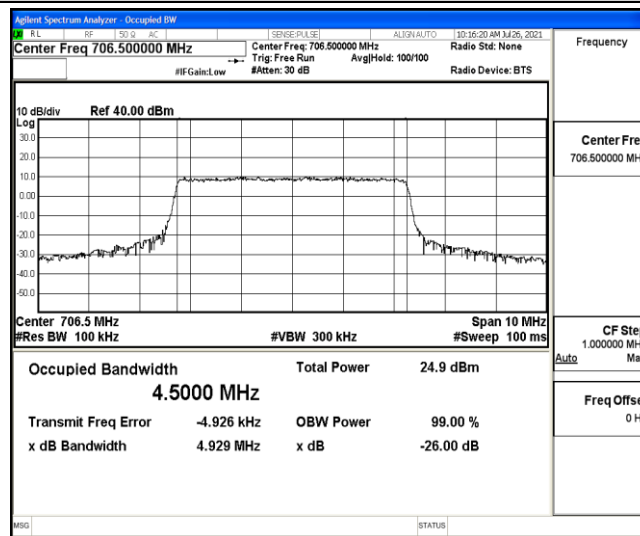
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5000	4.929	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4933	4.951	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4913	4.879	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4989	4.848	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4959	4.925	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5091	4.940	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9800	9.587	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9836	9.525	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9839	9.559	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9775	9.570	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9807	9.574	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9672	9.558	PASS

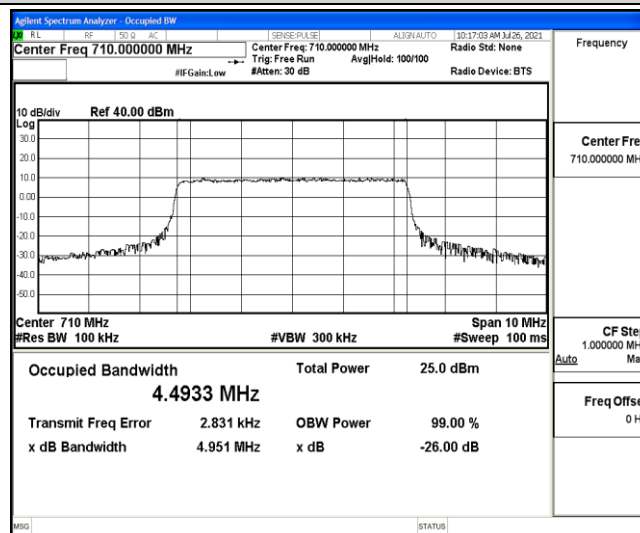


Test Graphs

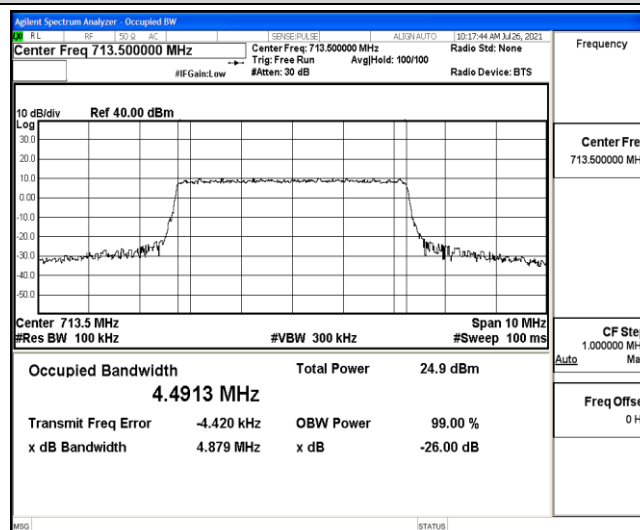
Band17-5MHz-QPSK-23755-25RB#0



Band17-5MHz-QPSK-23790-25RB#0

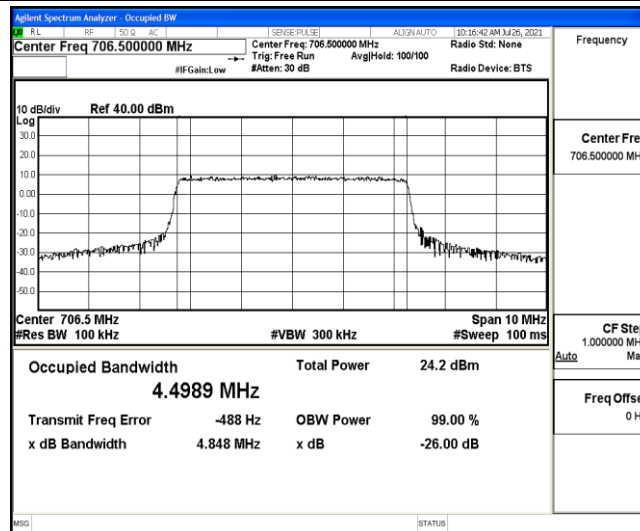


Band17-5MHz-QPSK-23825-25RB#0

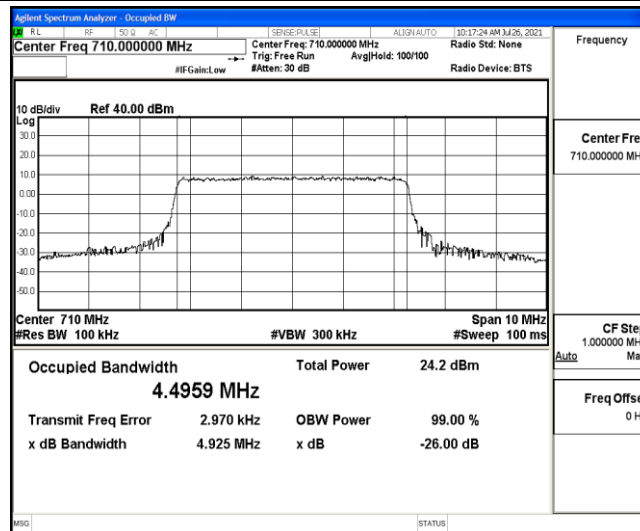




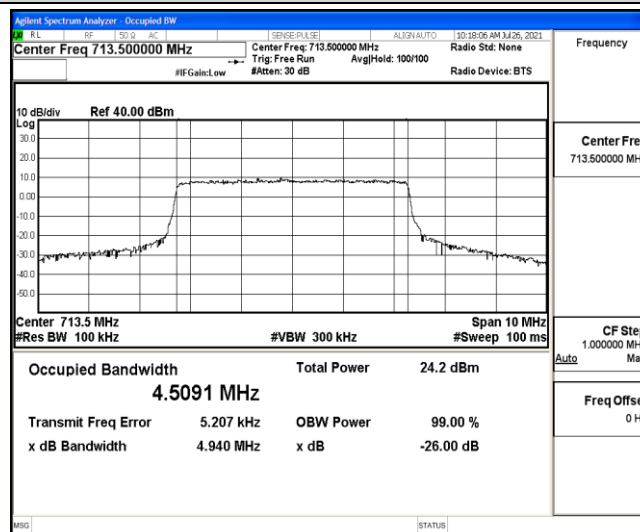
Band17-5MHz-16QAM-23755-25RB#0



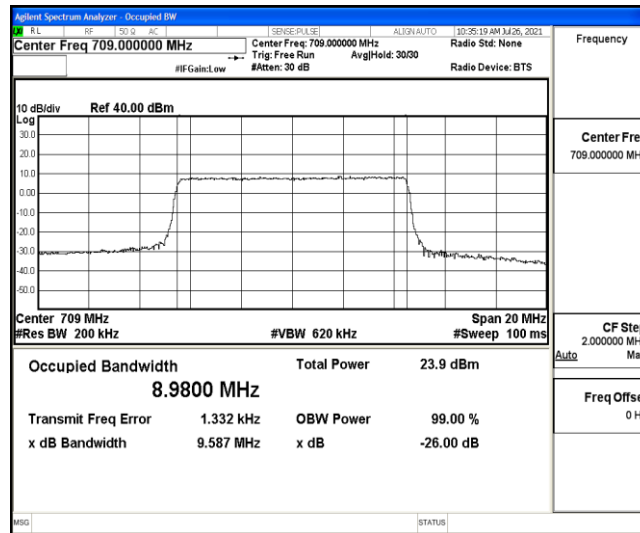
Band17-5MHz-16QAM-23790-25RB#0



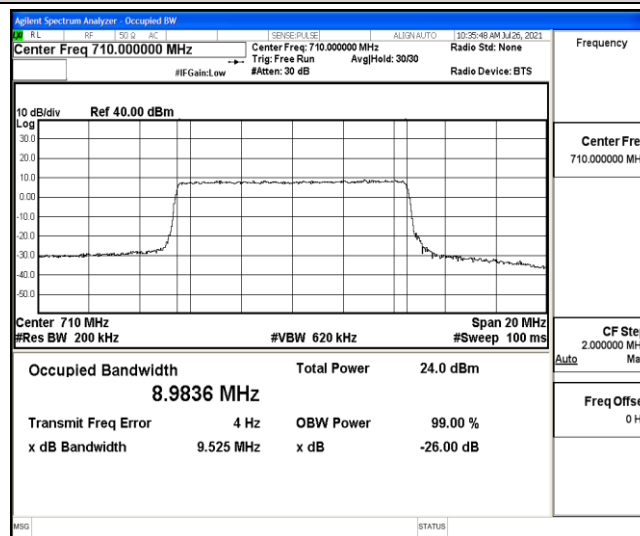
Band17-5MHz-16QAM-23825-25RB#0



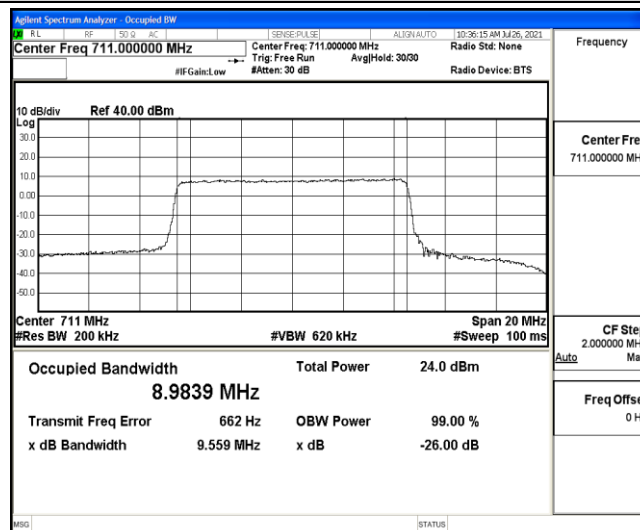
Band17-10MHz-QPSK-23780-50RB#0



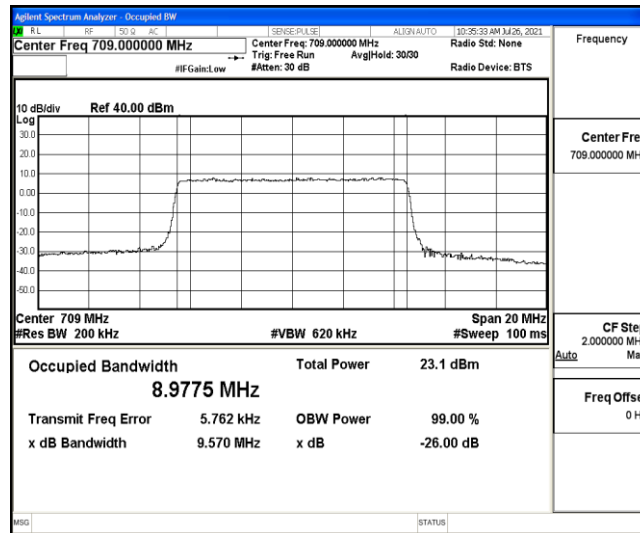
Band17-10MHz-QPSK-23790-50RB#0



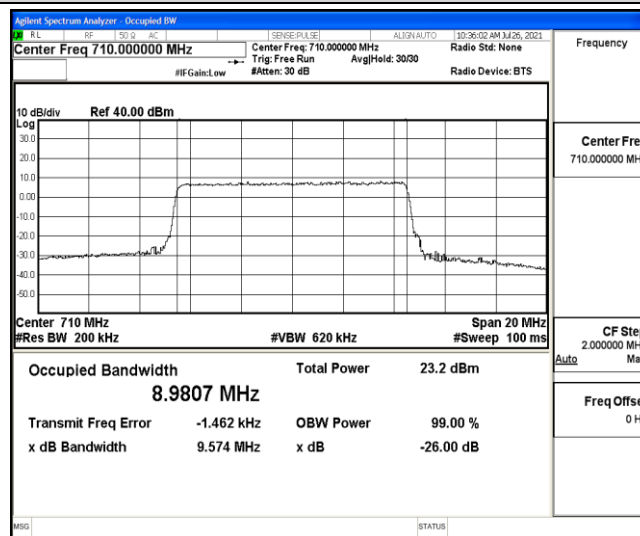
Band17-10MHz-QPSK-23800-50RB#0



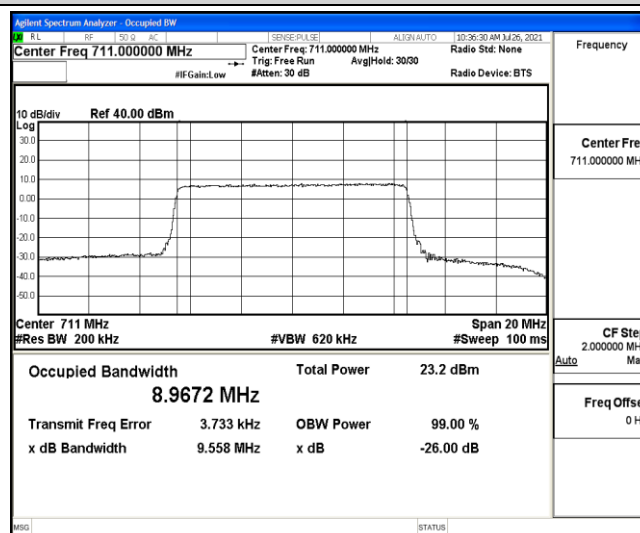
Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-50RB#0



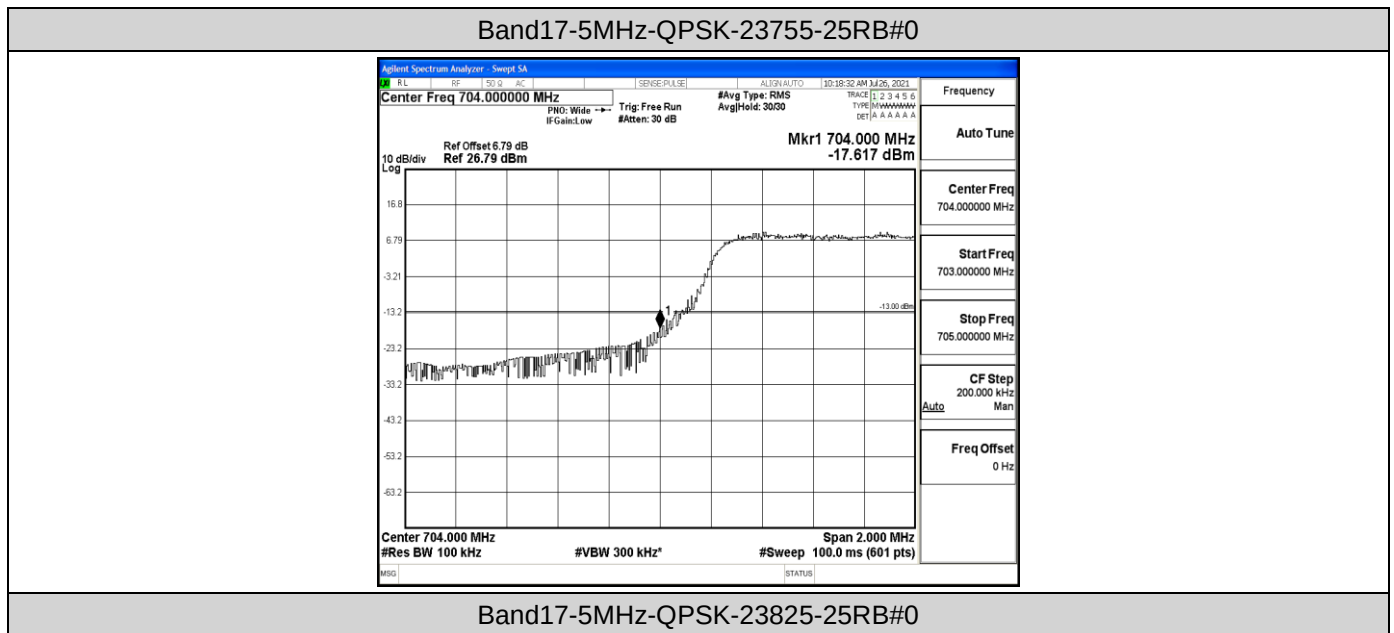


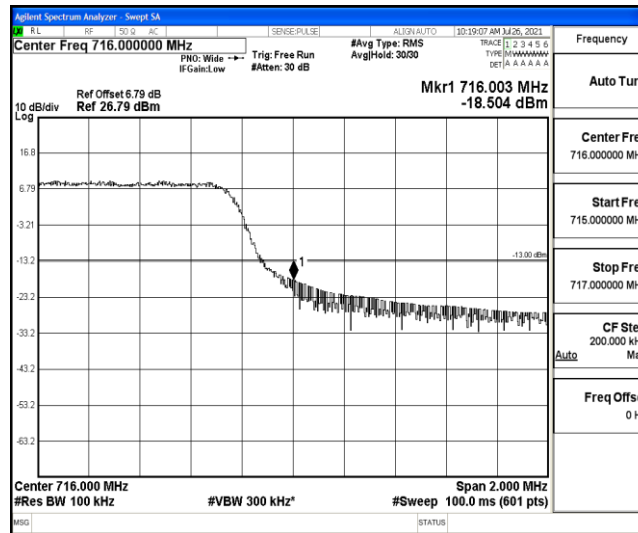
I.4 Band Edge

Test Result

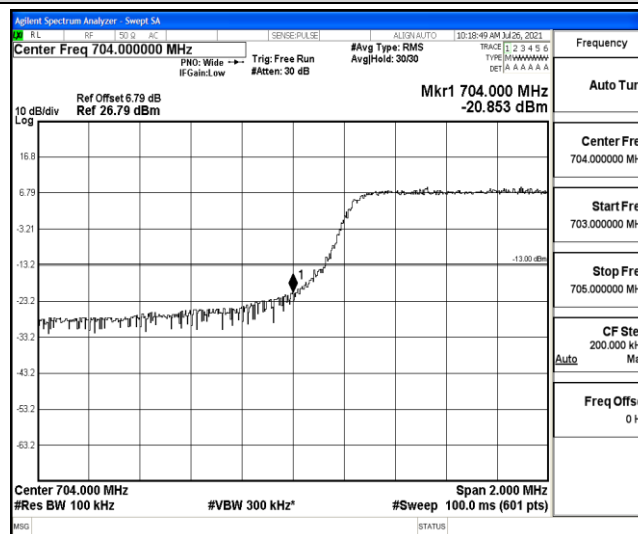
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-17.62	PASS
Band17	5MHz	QPSK	23825	25RB#0	-18.50	PASS
Band17	5MHz	16QAM	23755	25RB#0	-20.85	PASS
Band17	5MHz	16QAM	23825	25RB#0	-17.70	PASS
Band17	10MHz	QPSK	23780	50RB#0	-24.60,-23.02	PASS
Band17	10MHz	QPSK	23800	50RB#0	-21.62,-23.12	PASS
Band17	10MHz	16QAM	23780	50RB#0	-25.90,-23.79	PASS
Band17	10MHz	16QAM	23800	50RB#0	-21.69,-23.70	PASS

Test Graphs

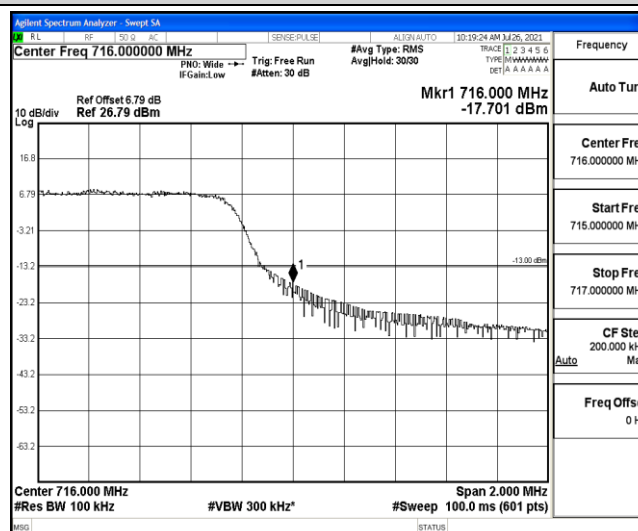




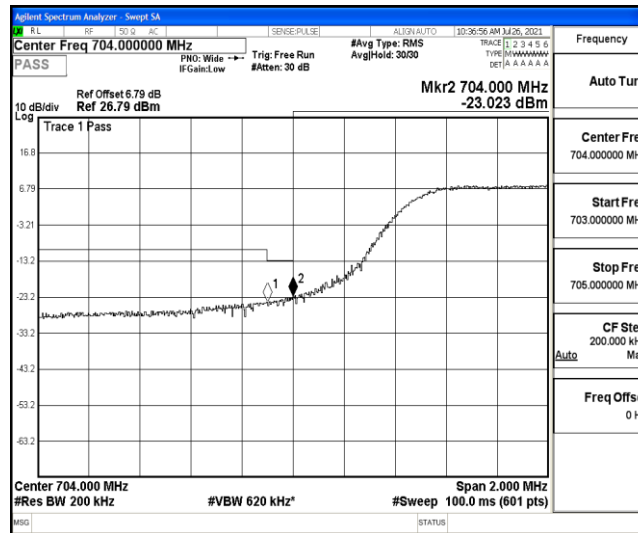
Band17-5MHz-16QAM-23755-25RB#0



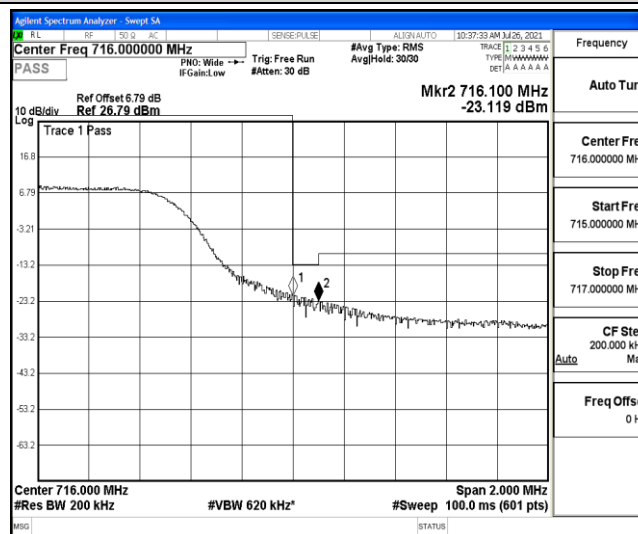
Band17-5MHz-16QAM-23825-25RB#0



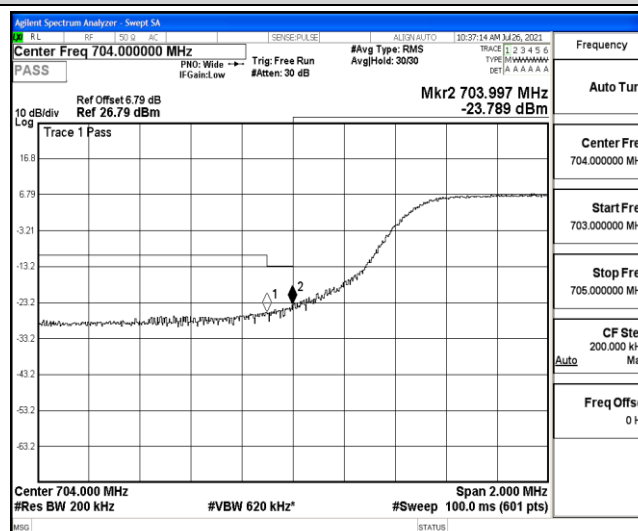
Band17-10MHz-QPSK-23780-50RB#0



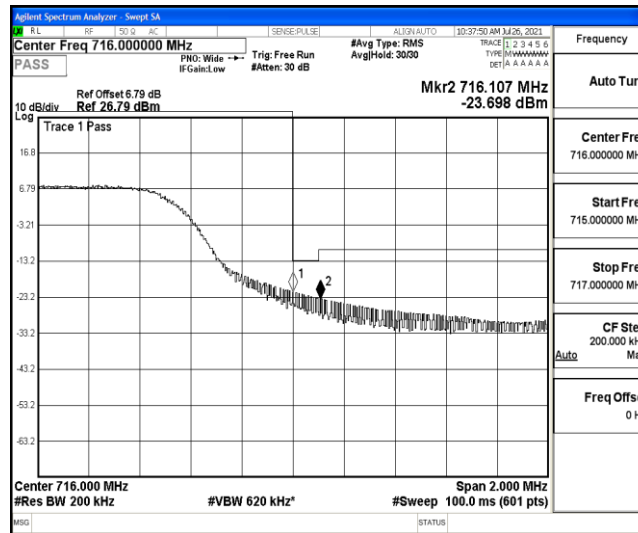
Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-50RB#0





I.5 Conducted Spurious Emission

Test Result

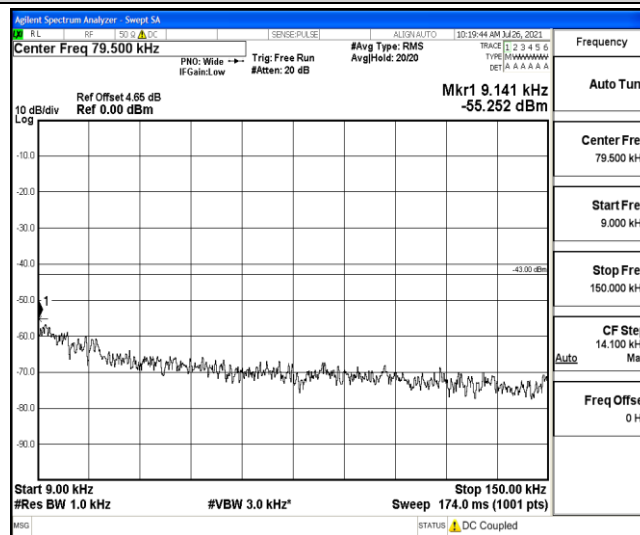
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	-55.25	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-51.34	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-41.23	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	-44.41	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-55.13	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-50.87	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-40.81	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-44.41	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	-53.58	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-49.55	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-40.45	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	-44.42	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	-54.12	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-48.68	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-41.48	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	-44.38	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-55.67	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-52.7	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-40.72	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-44.38	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	-55.64	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-49.72	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-41.45	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	-44.22	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	-55.49	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-51.37	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-40.74	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	-44.3	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-56.11	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-49.61	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-41.08	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-44.35	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	-54.87	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-50.24	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-40.26	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	-44.43	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	-55.17	PASS



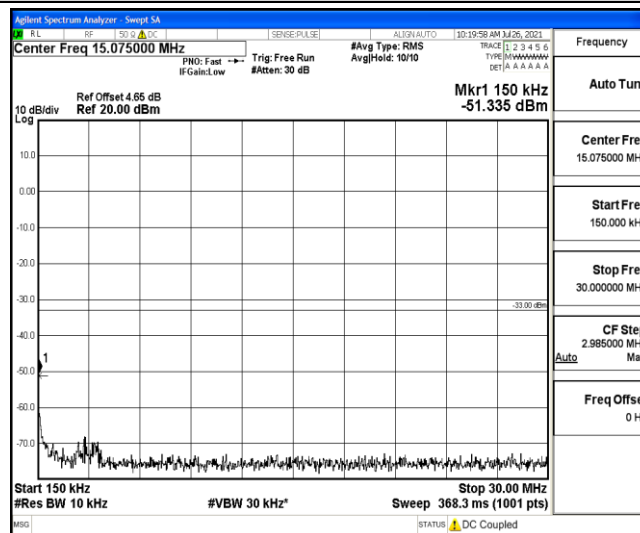
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-50.8	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	-41.19	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	-44.42	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-55.42	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-49.28	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-40.89	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-44.37	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	-54.45	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-51.39	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-40.66	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	-44.32	PASS

Test Graphs

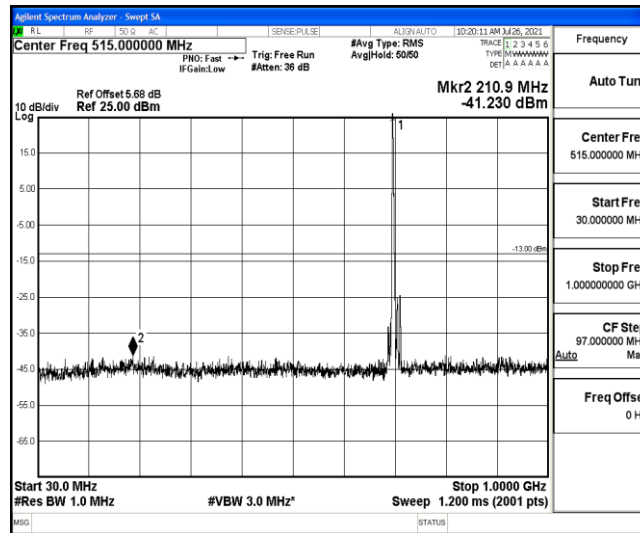
Band17-5MHz-QPSK-23755-1RB#0-Range1:0.009~0.15MHz



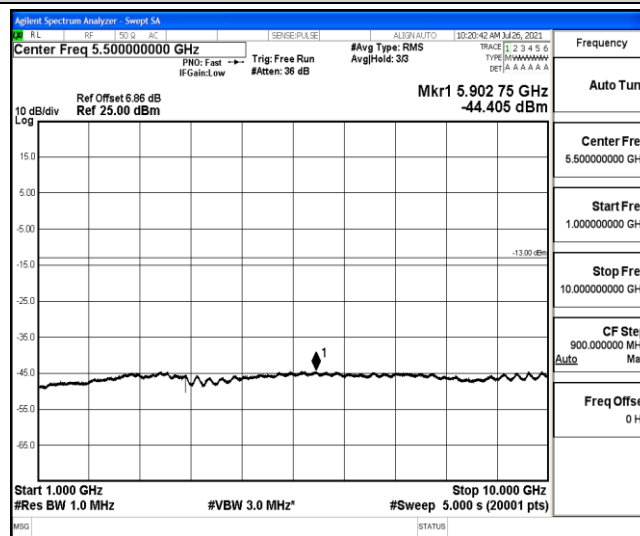
Band17-5MHz-QPSK-23755-1RB#0-Range2:0.15~30MHz



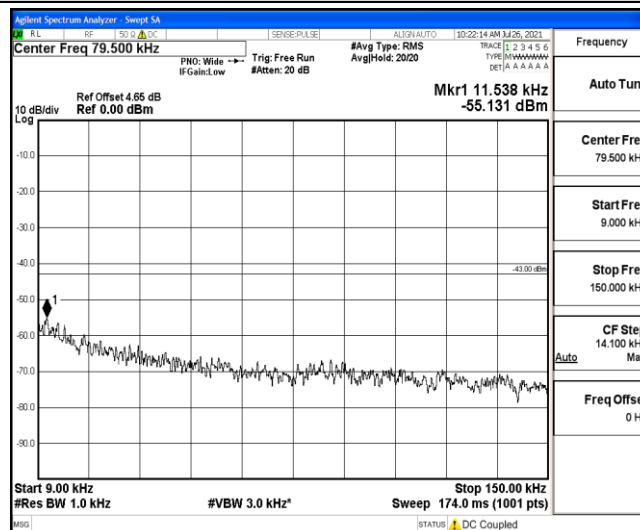
Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz



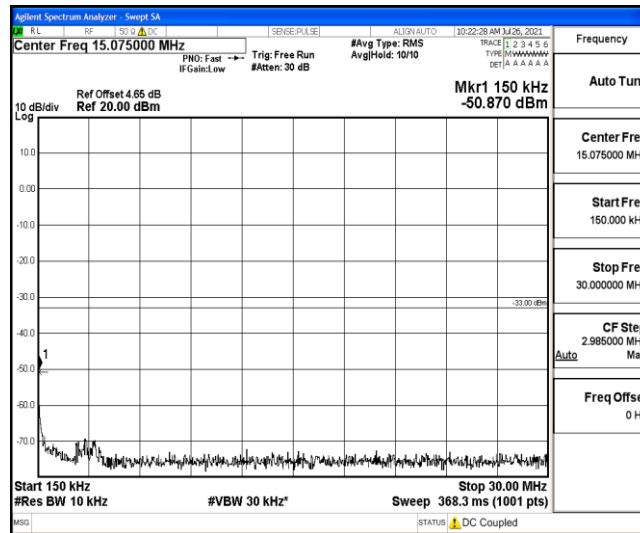
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



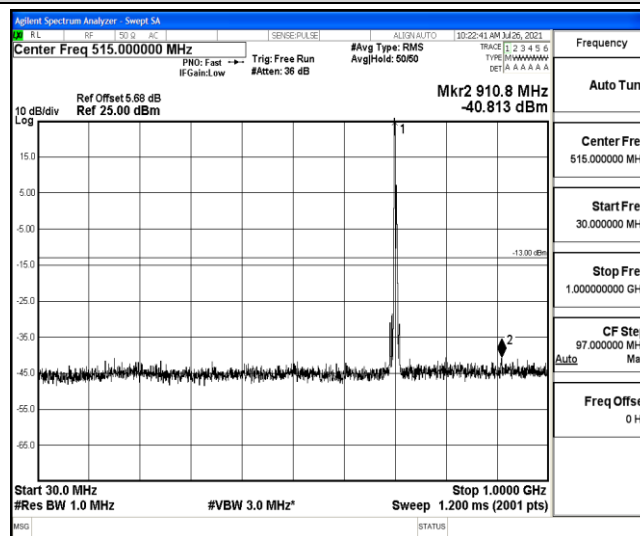
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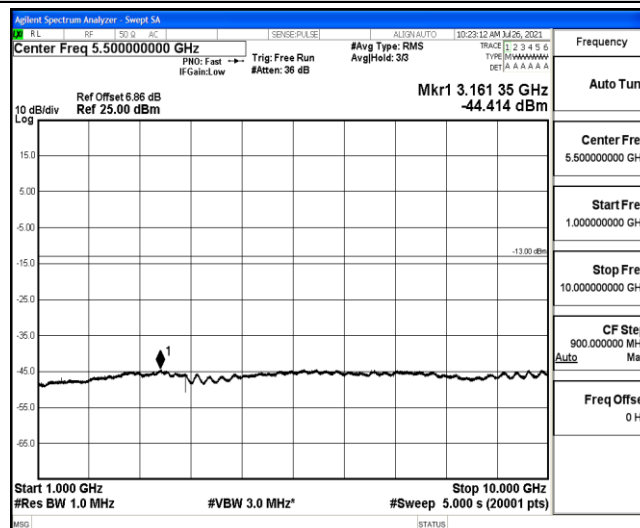
Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



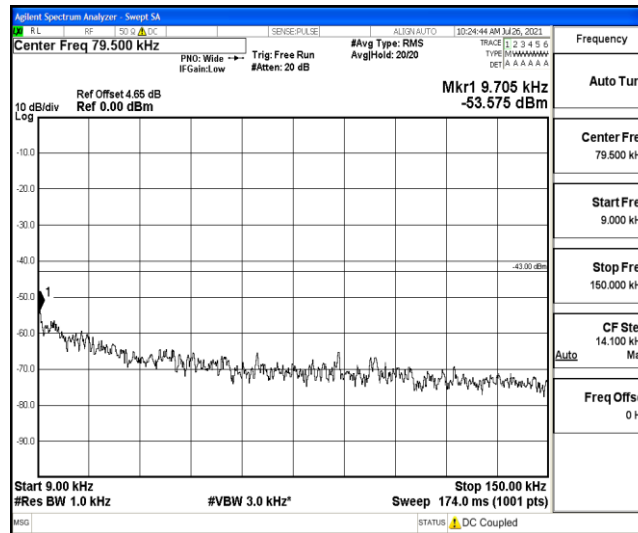
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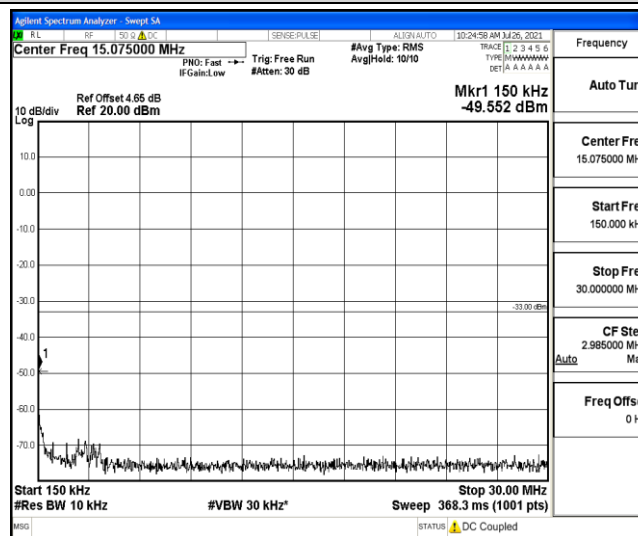
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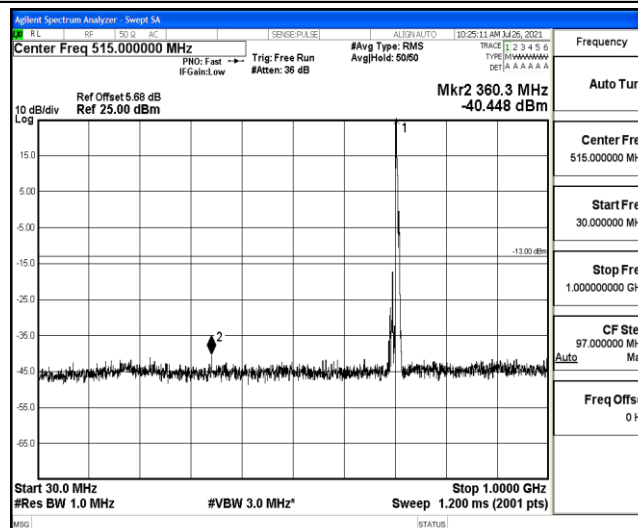
Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz



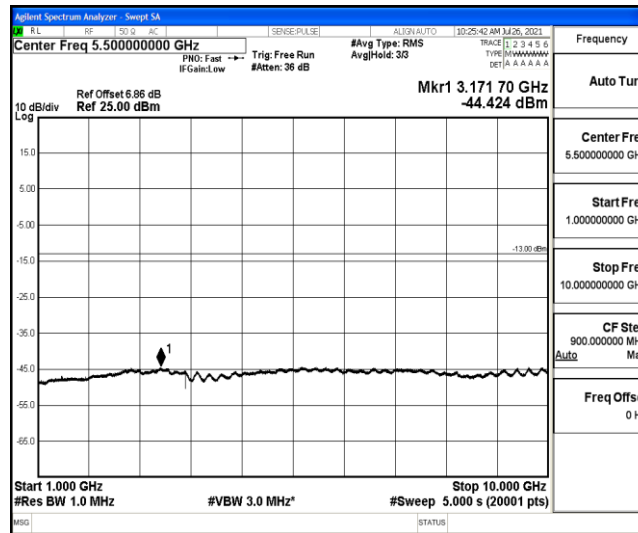
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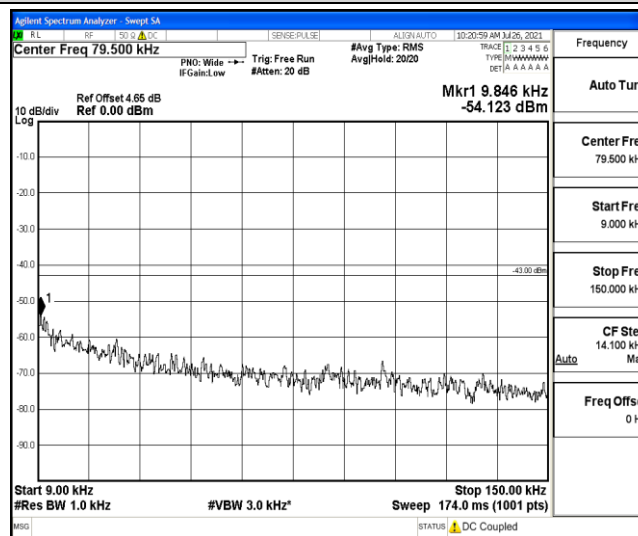
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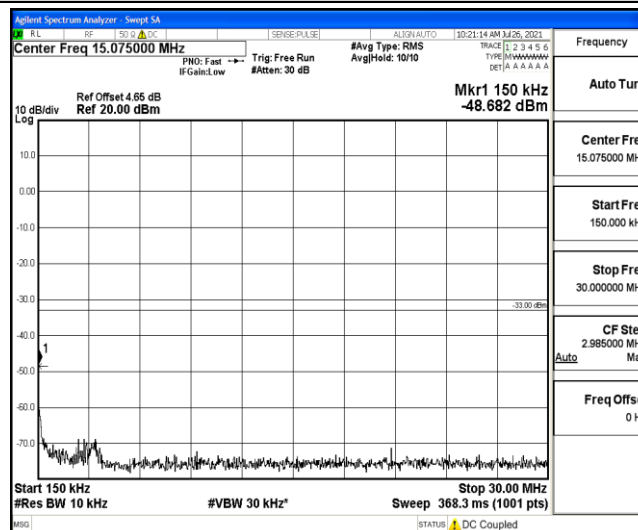
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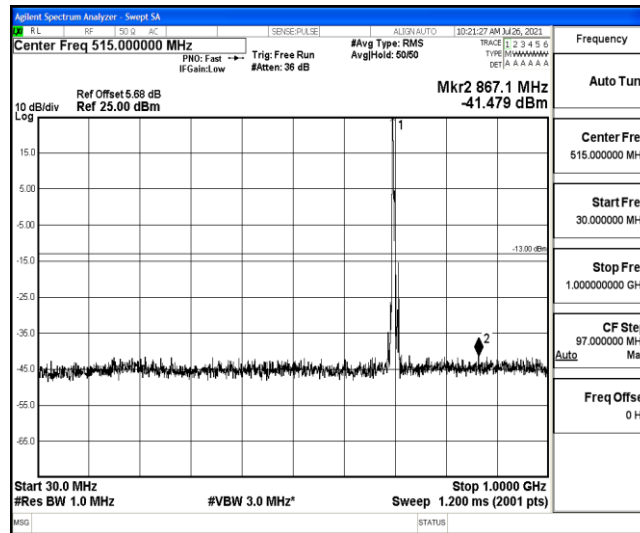
Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz



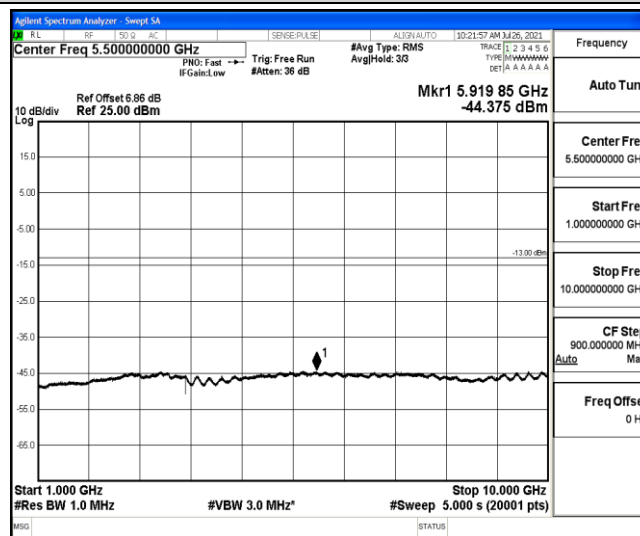
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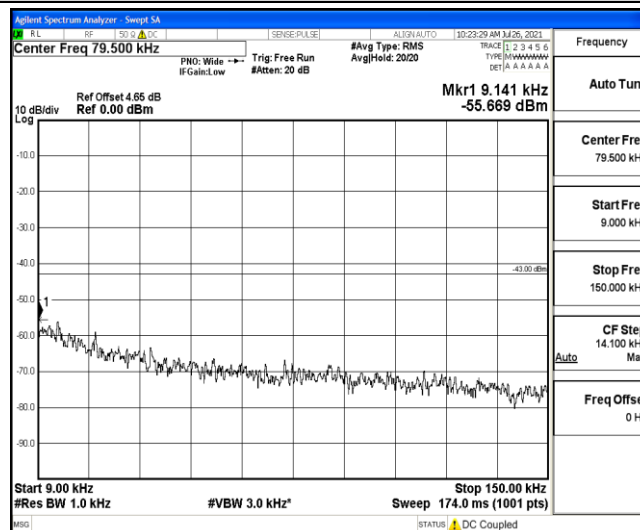
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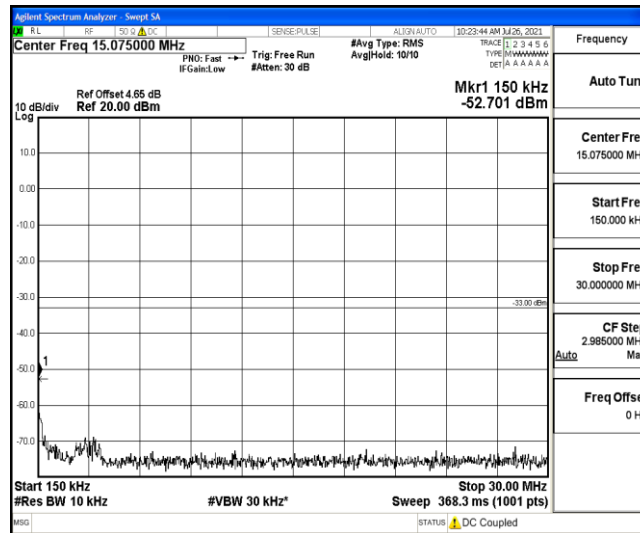
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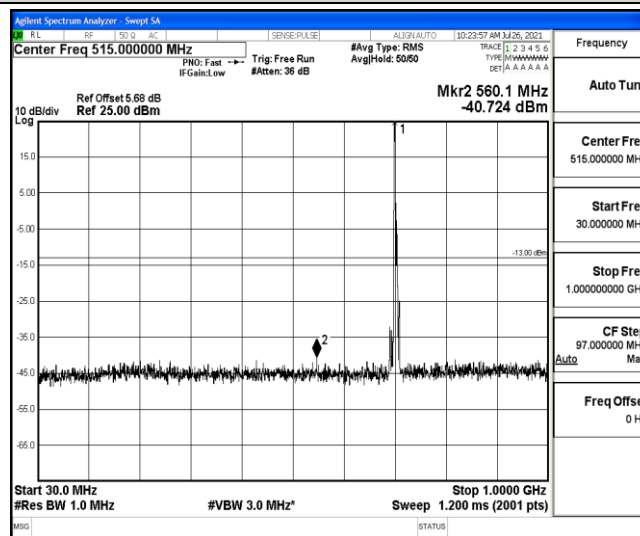
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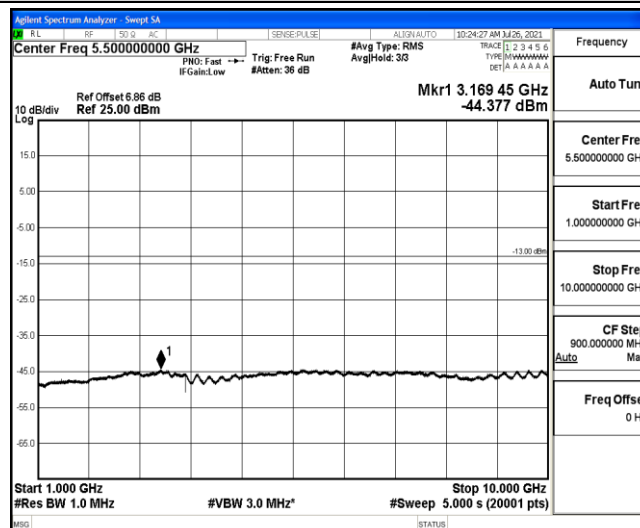
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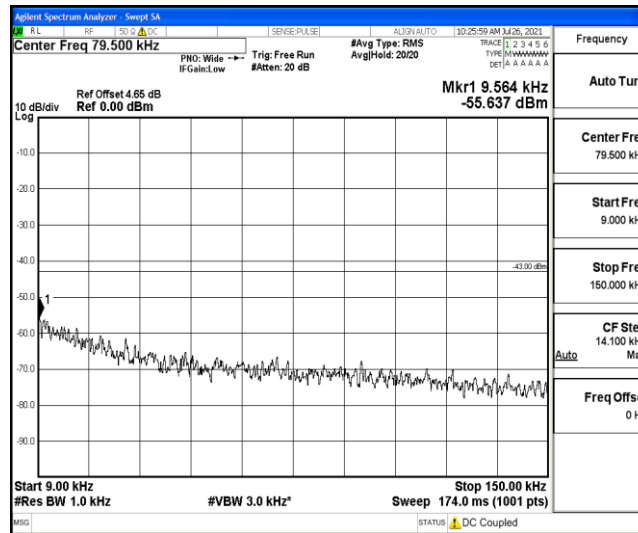
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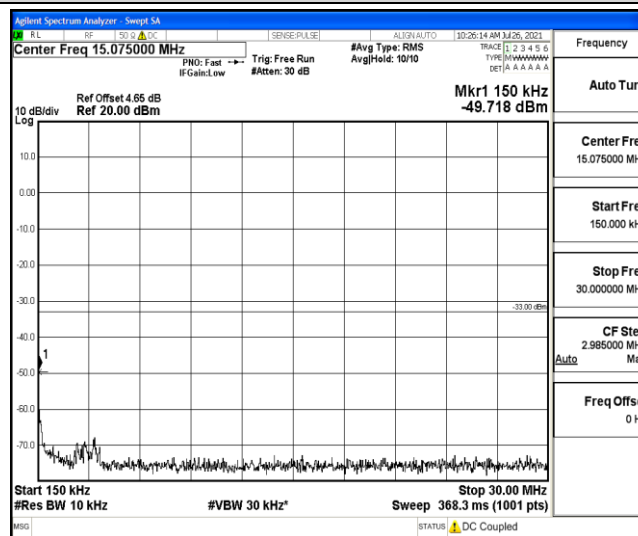
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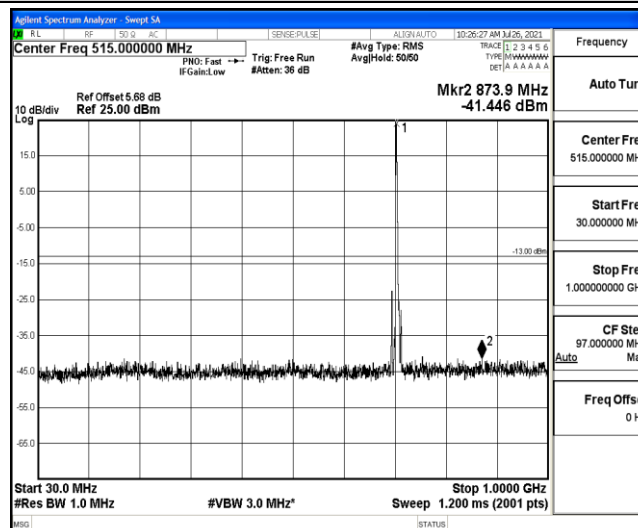
Band17-5MHz-16QAM-23825-1RB#0-Range1:0.009~0.15MHz



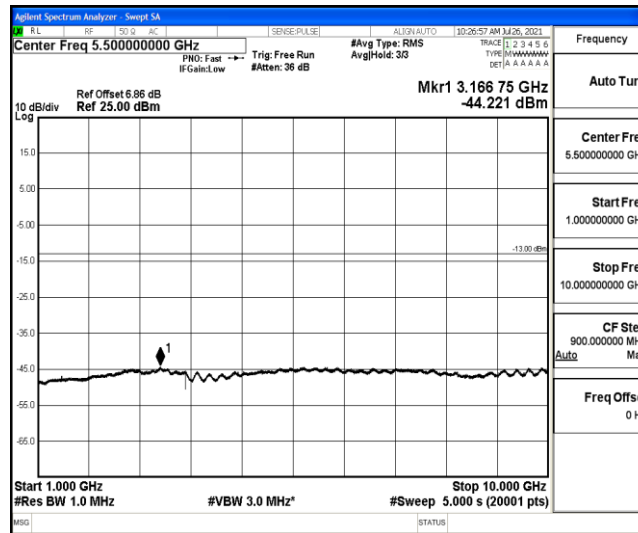
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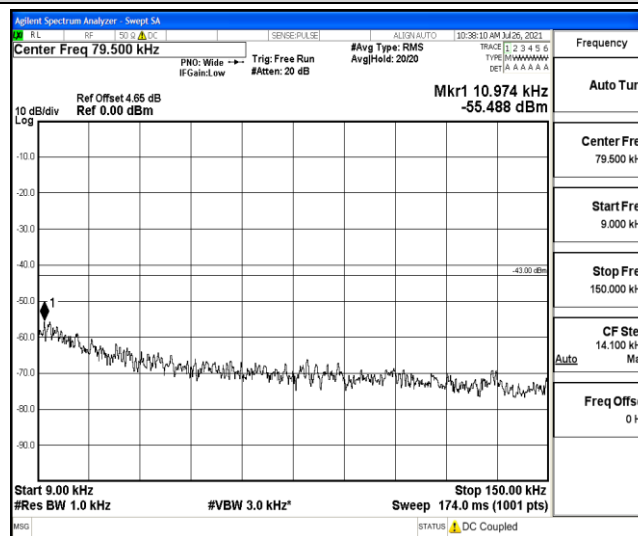
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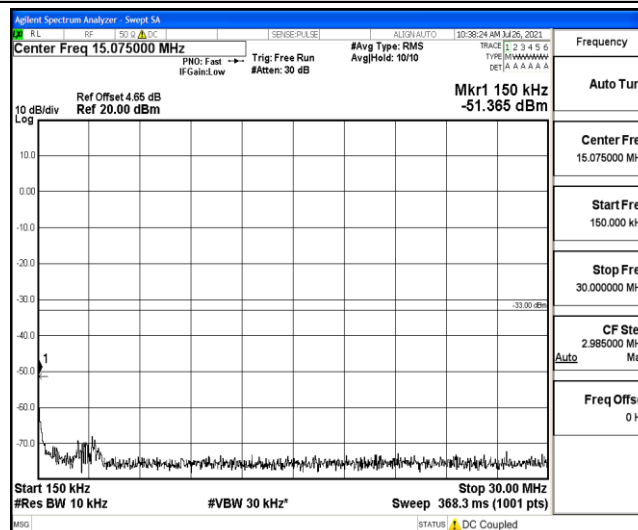
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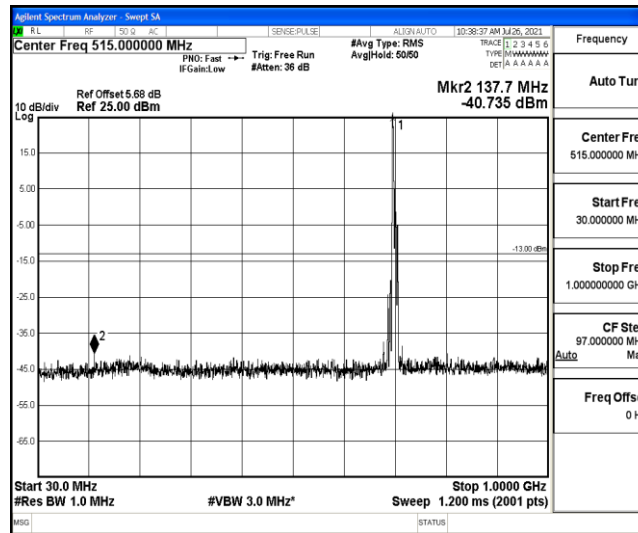
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



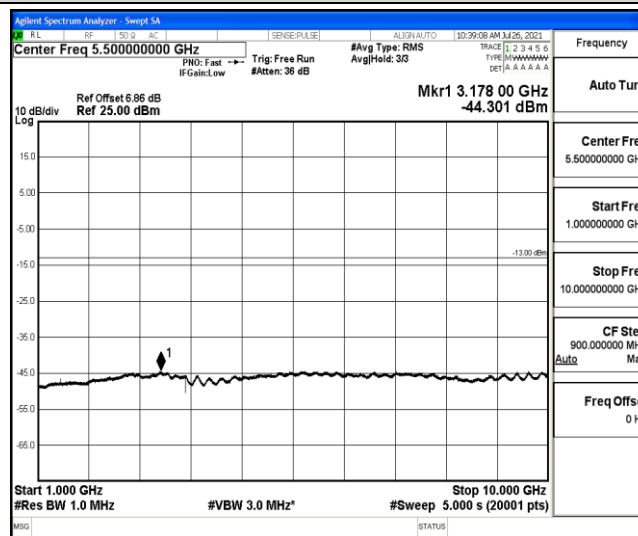
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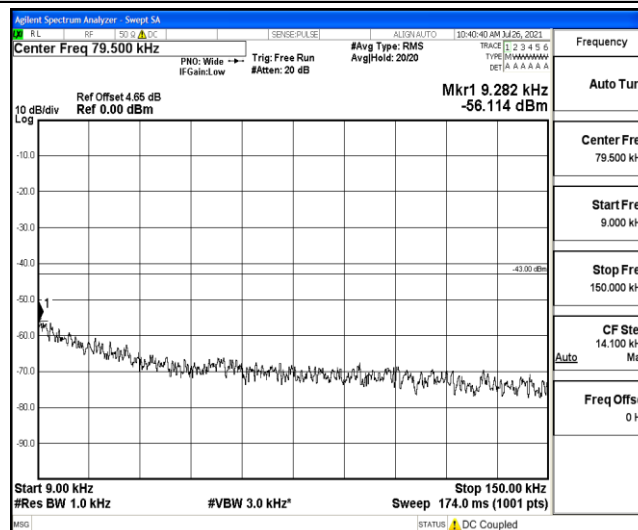
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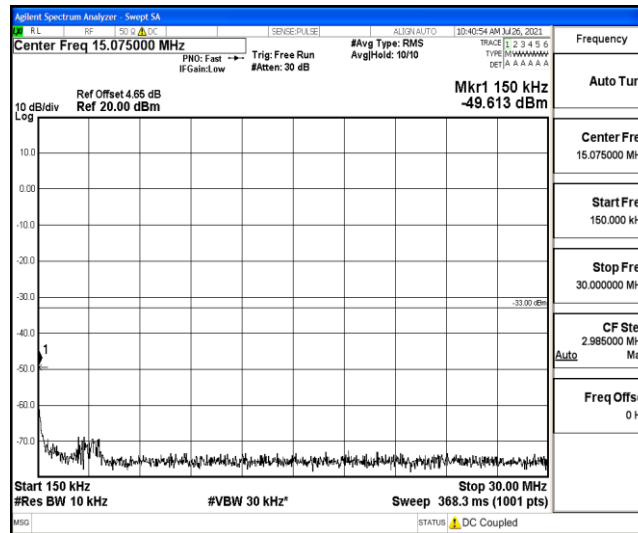
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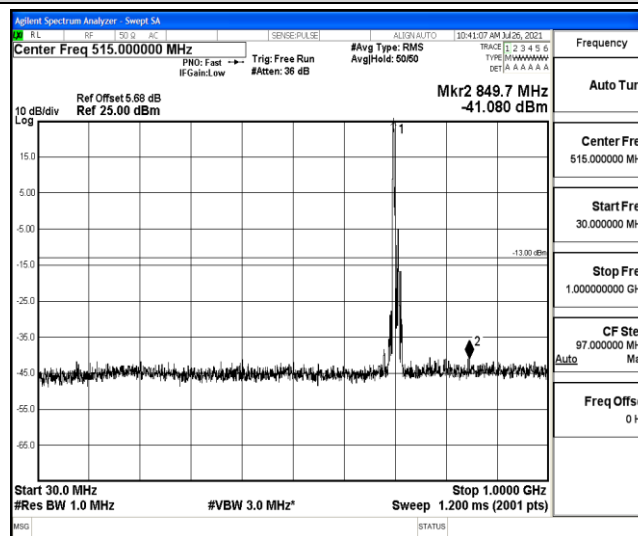
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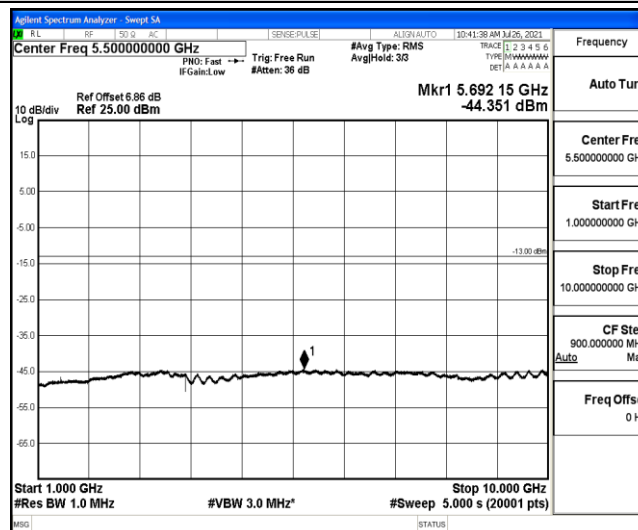
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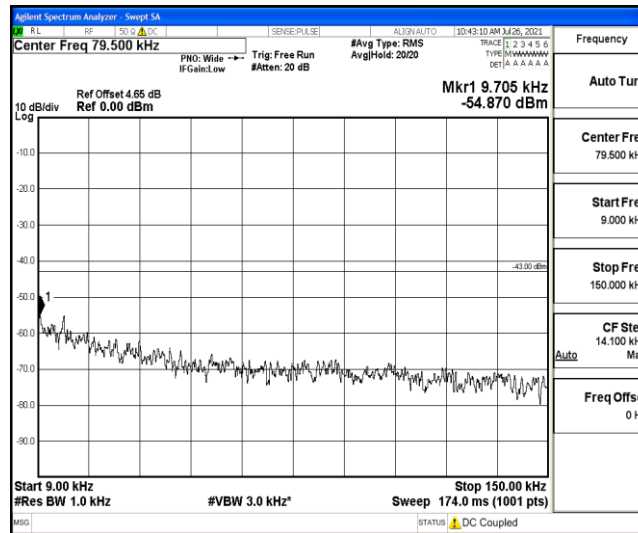
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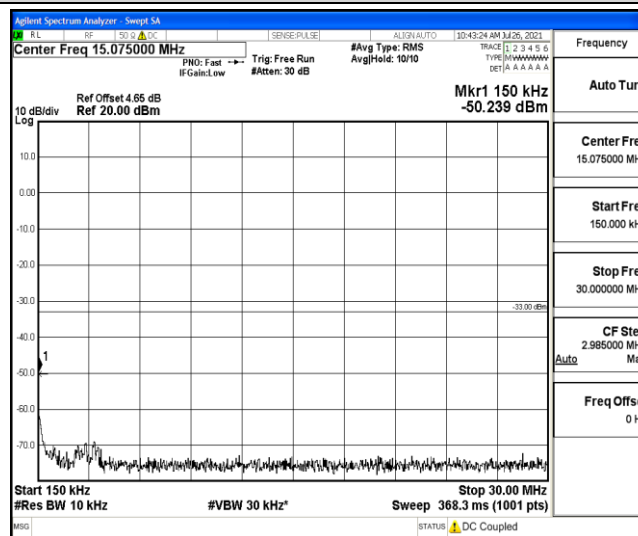
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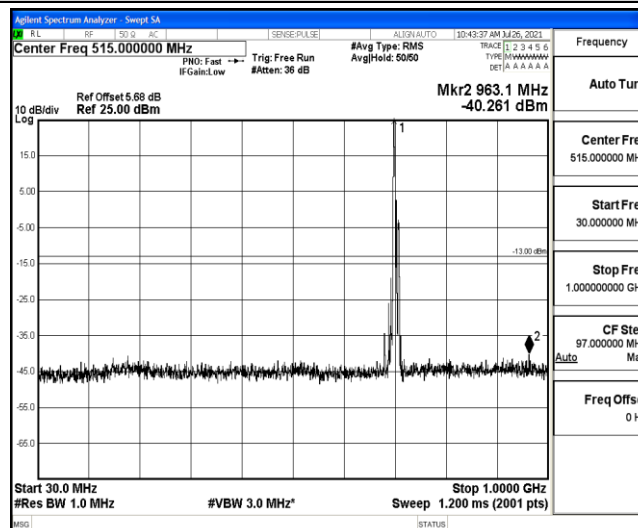
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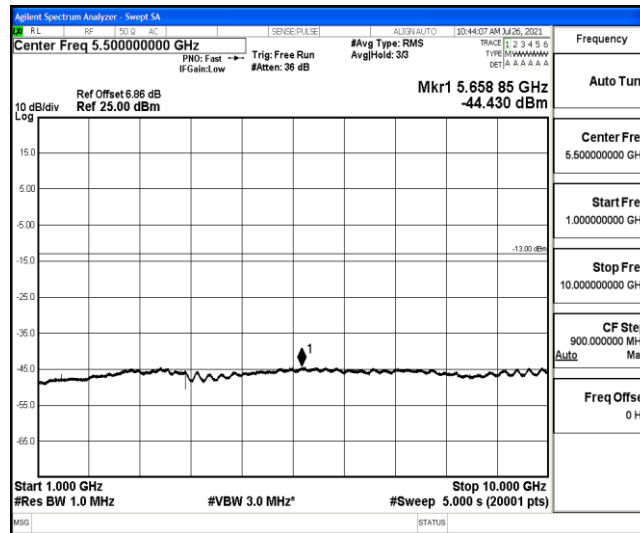
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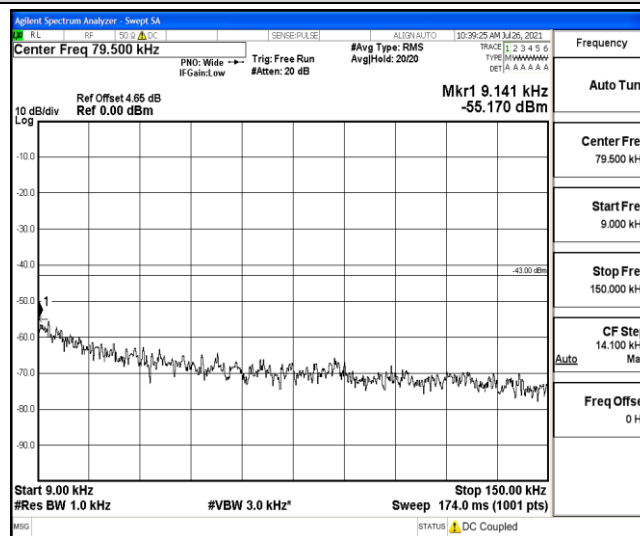
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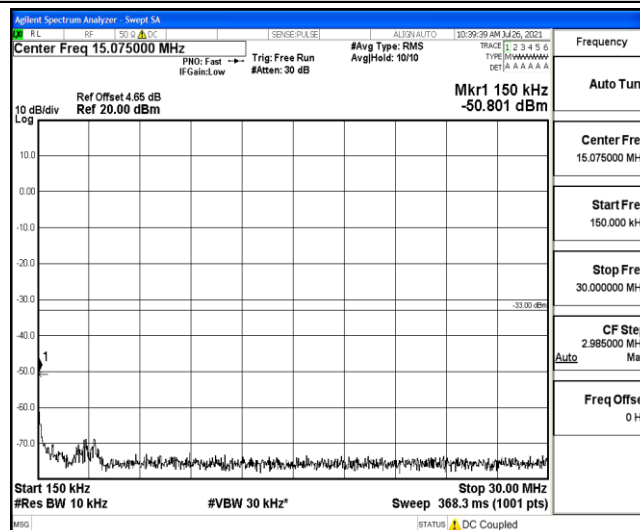
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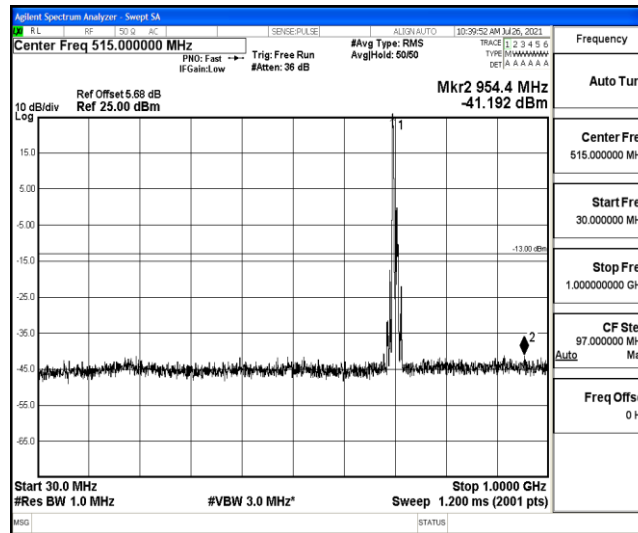
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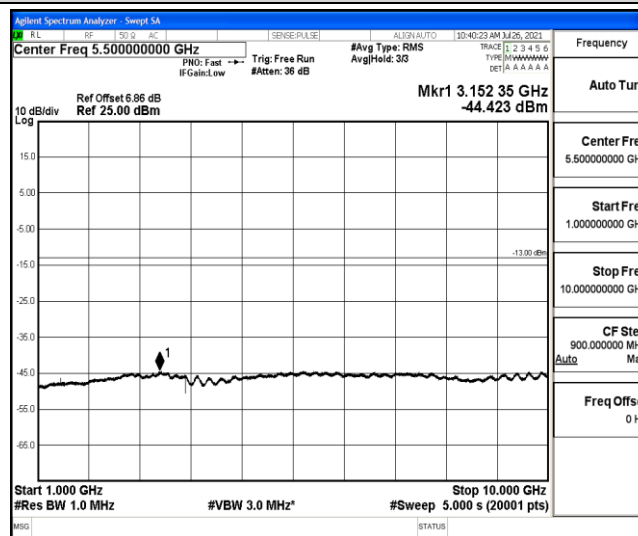
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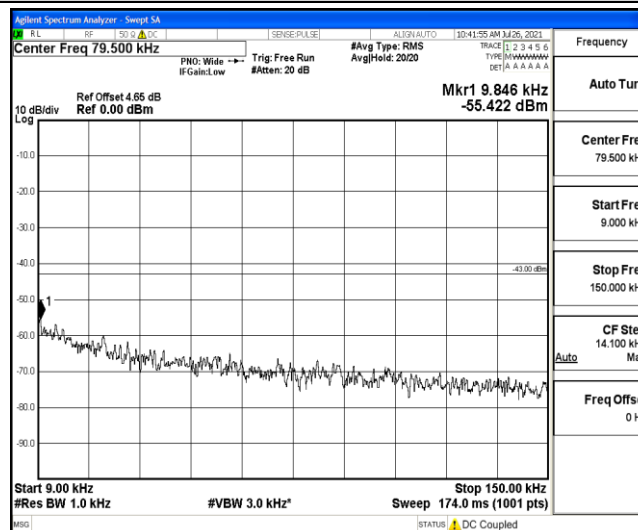
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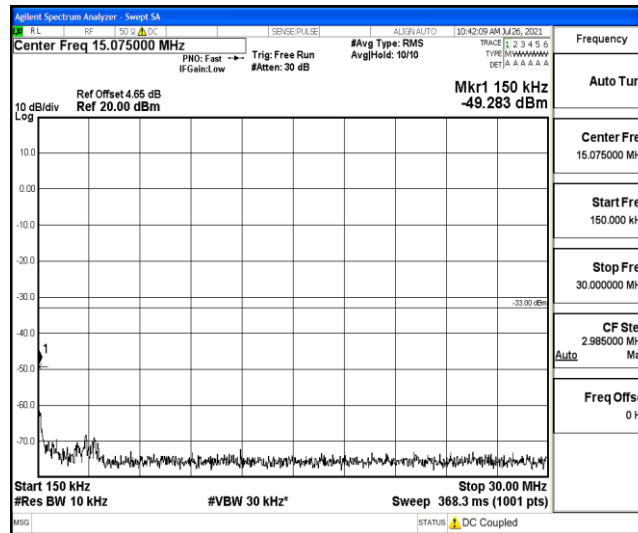
Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz



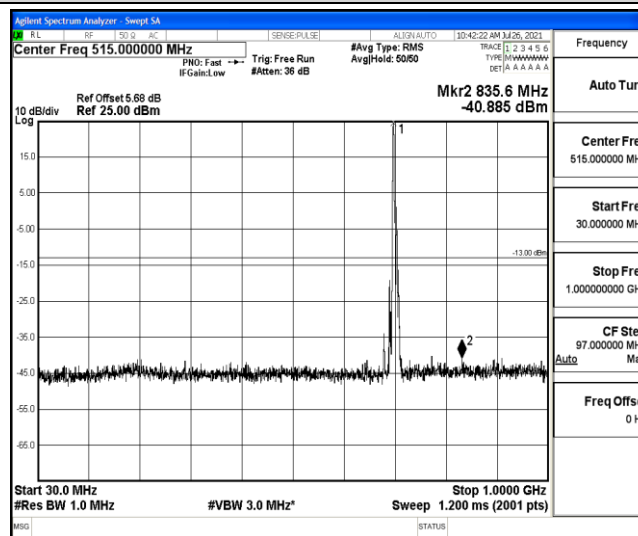
Band17-10MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



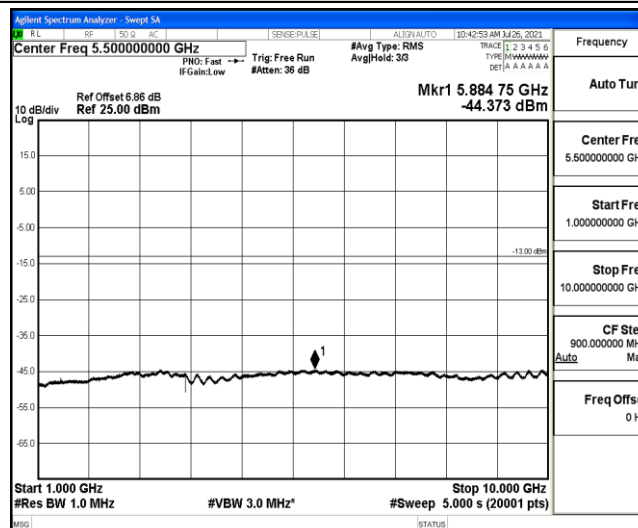
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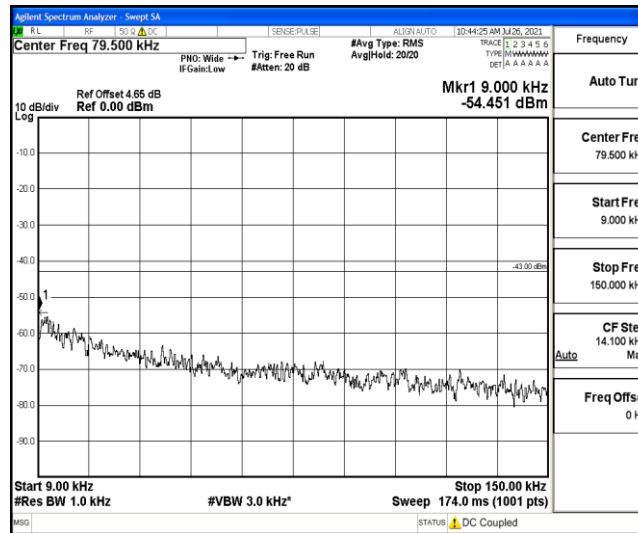
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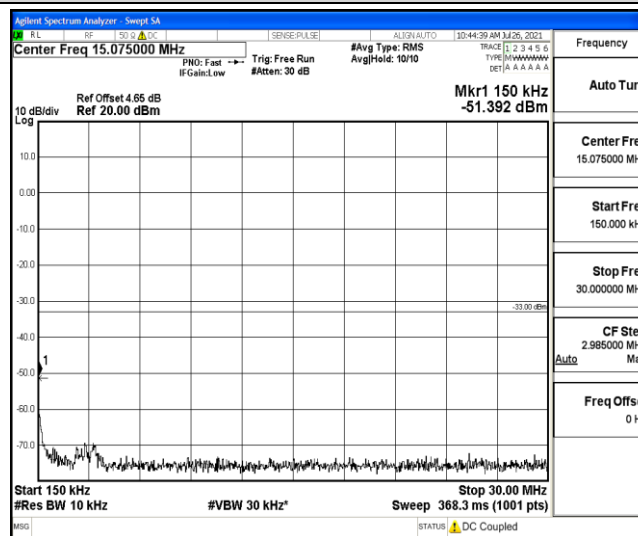
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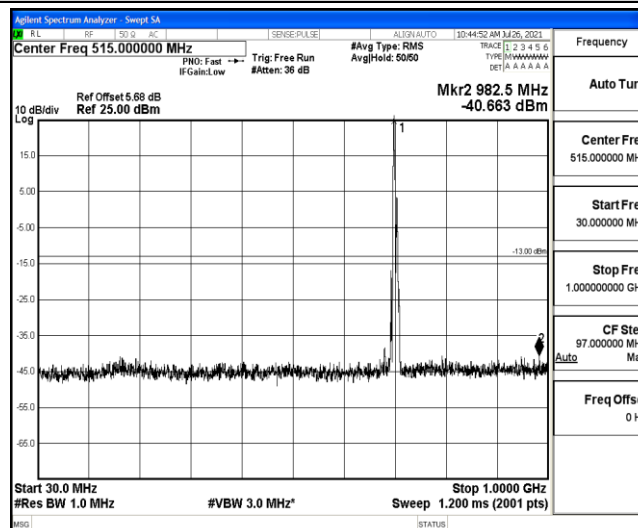
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-16QAM-23800-1RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23800-1RB#0-Range3:30~1000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range4:1000~10000MHz

