



Appendix I: Test Data for E-UTRA Band 17

Product Name: Personal Safety Watch

Trade Mark: N/A

Test Model: EV-05

Environmental Conditions

Temperature:	21.5° C
Relative Humidity:	52.8%
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	24.44	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.25	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.15	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.49	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.48	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.81	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.40	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.14	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.13	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.32	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.66	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.27	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.58	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.17	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.02	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.00	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.11	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.93	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.15	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.15	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.04	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.45	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.75	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.13	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.52	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.55	PASS
Band17	5MHz	16QAM	23755	12RB#13	22.72	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.26	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.49	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.92	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.01	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.67	PASS
Band17	5MHz	16QAM	23790	12RB#13	22.22	PASS



Band17	5MHz	16QAM	23790	12RB#6	22.68	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.24	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.27	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.40	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.53	PASS
Band17	5MHz	16QAM	23825	12RB#0	22.12	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.12	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.95	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.08	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.14	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.51	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.01	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.41	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.41	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.19	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.63	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.00	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.08	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.42	PASS
Band17	10MHz	QPSK	23790	25RB#0	23.75	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.13	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.15	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.89	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.97	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.26	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.99	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.65	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.69	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.12	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.67	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.44	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.59	PASS
Band17	10MHz	16QAM	23780	25RB#0	22.49	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.49	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.43	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.74	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.35	PASS



Band17	10MHz	16QAM	23790	1RB#49	22.86	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.06	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.89	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.28	PASS
Band17	10MHz	16QAM	23790	25RB#12	22.88	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.23	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.61	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.73	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.99	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.61	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.59	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.86	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.20	PASS

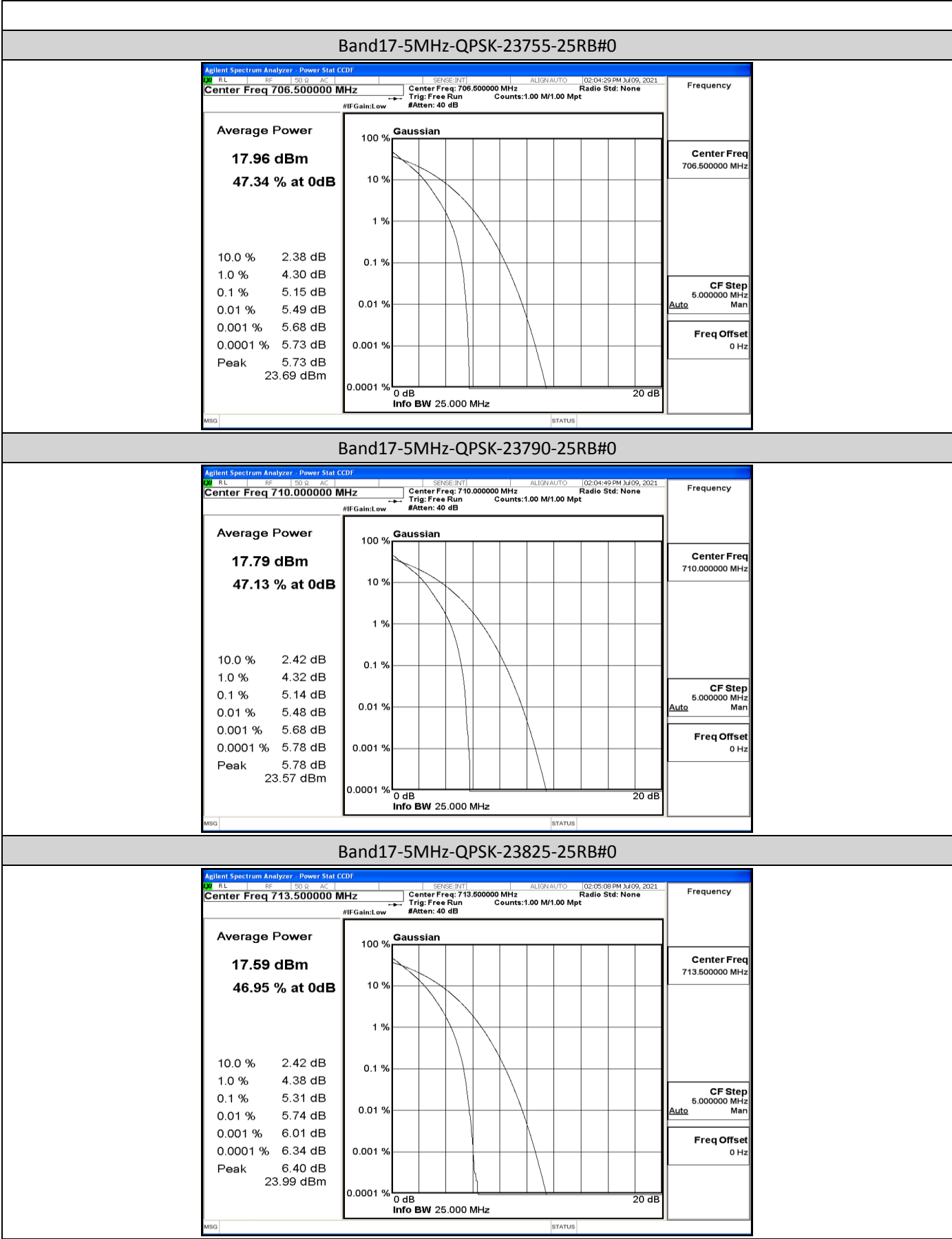


I.2 Peak-to-Average Ratio(CCDF)

Test Result

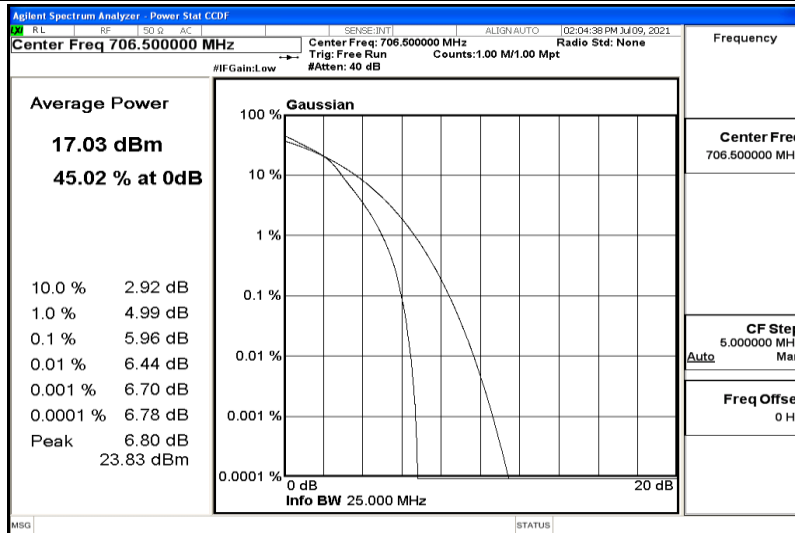
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.15	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.14	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.31	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.96	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.01	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.14	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.28	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.44	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.38	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.00	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.18	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.21	13	PASS

Test Graphs

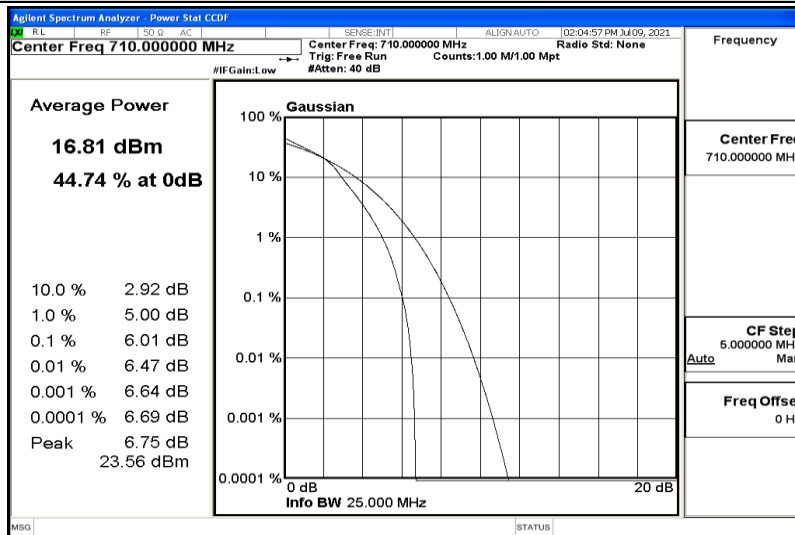




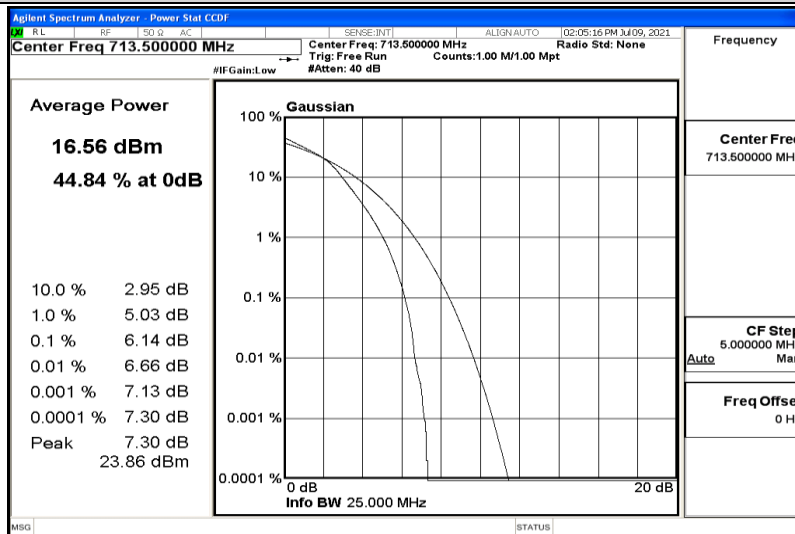
Band17-5MHz-16QAM-23755-25RB#0



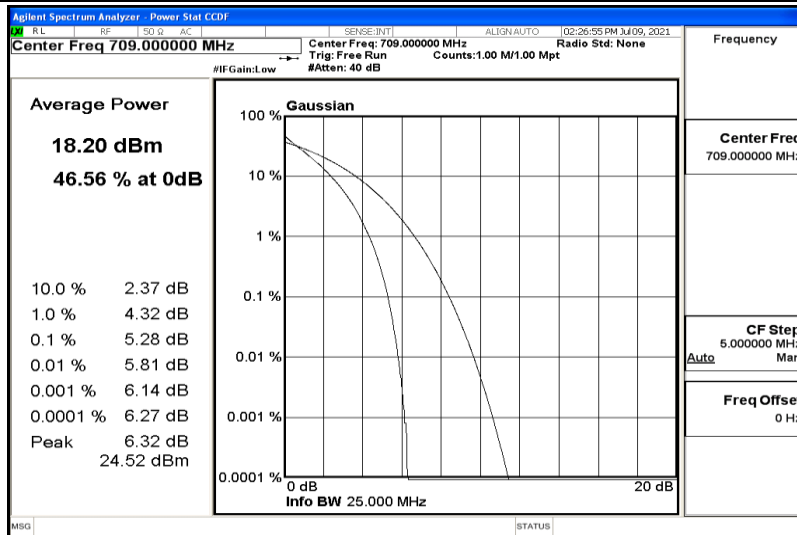
Band17-5MHz-16QAM-23790-25RB#0



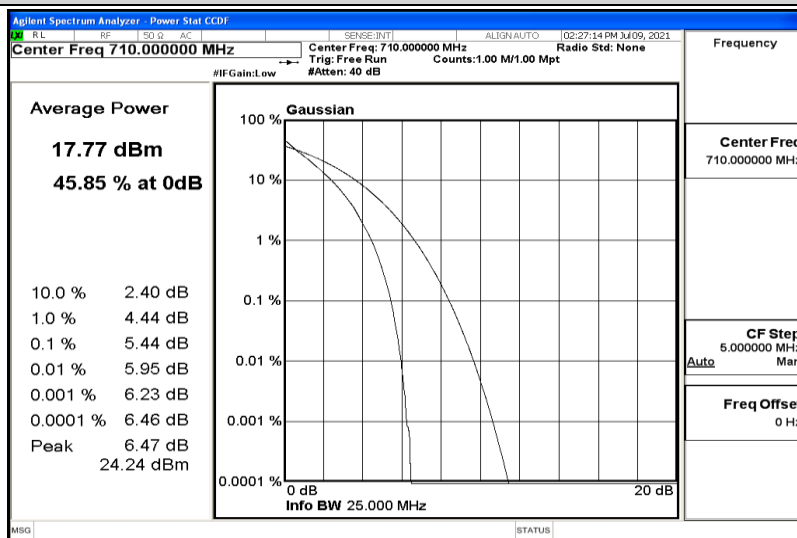
Band17-5MHz-16QAM-23825-25RB#0



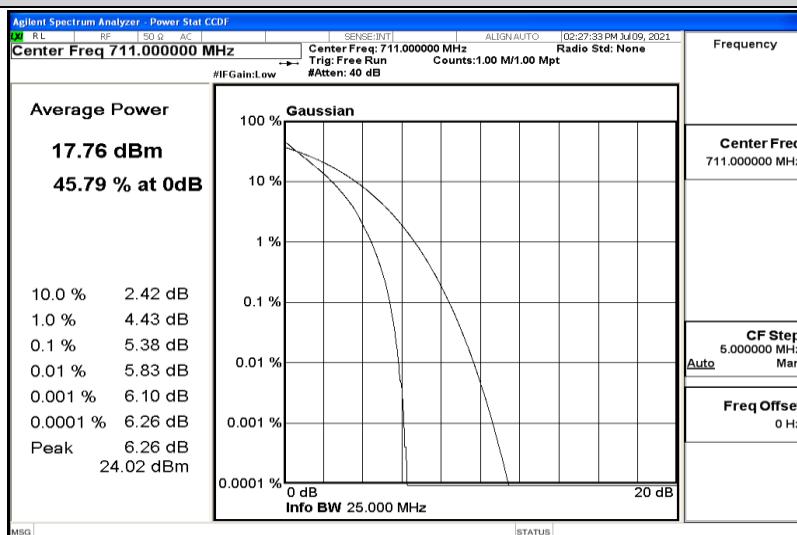
Band17-10MHz-QPSK-23780-50RB#0



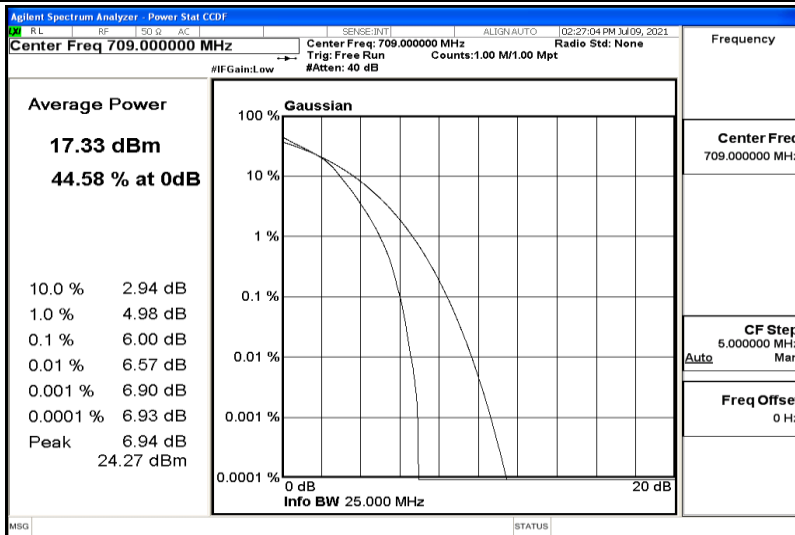
Band17-10MHz-QPSK-23790-50RB#0



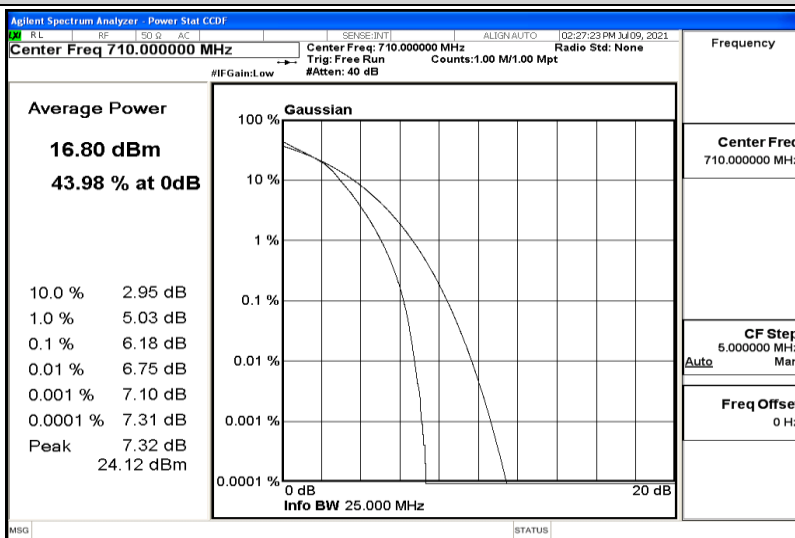
Band17-10MHz-QPSK-23800-50RB#0



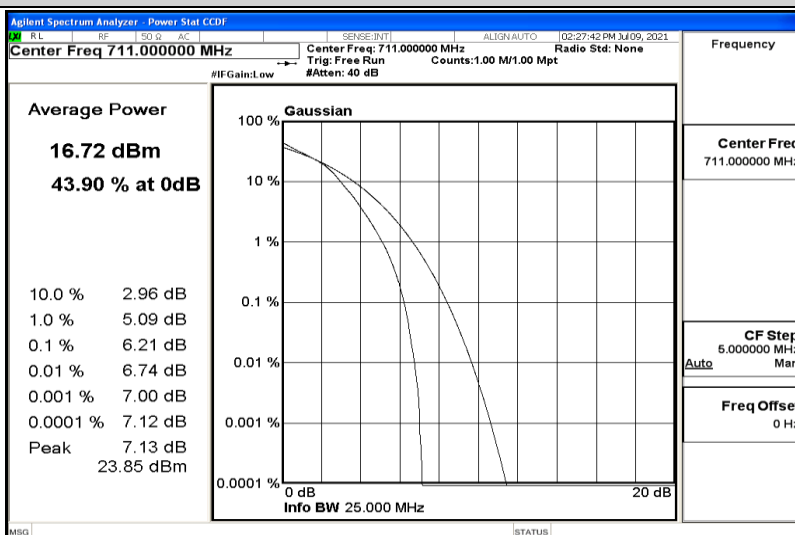
Band17-10MHz-16QAM-23780-50RB#0



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



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



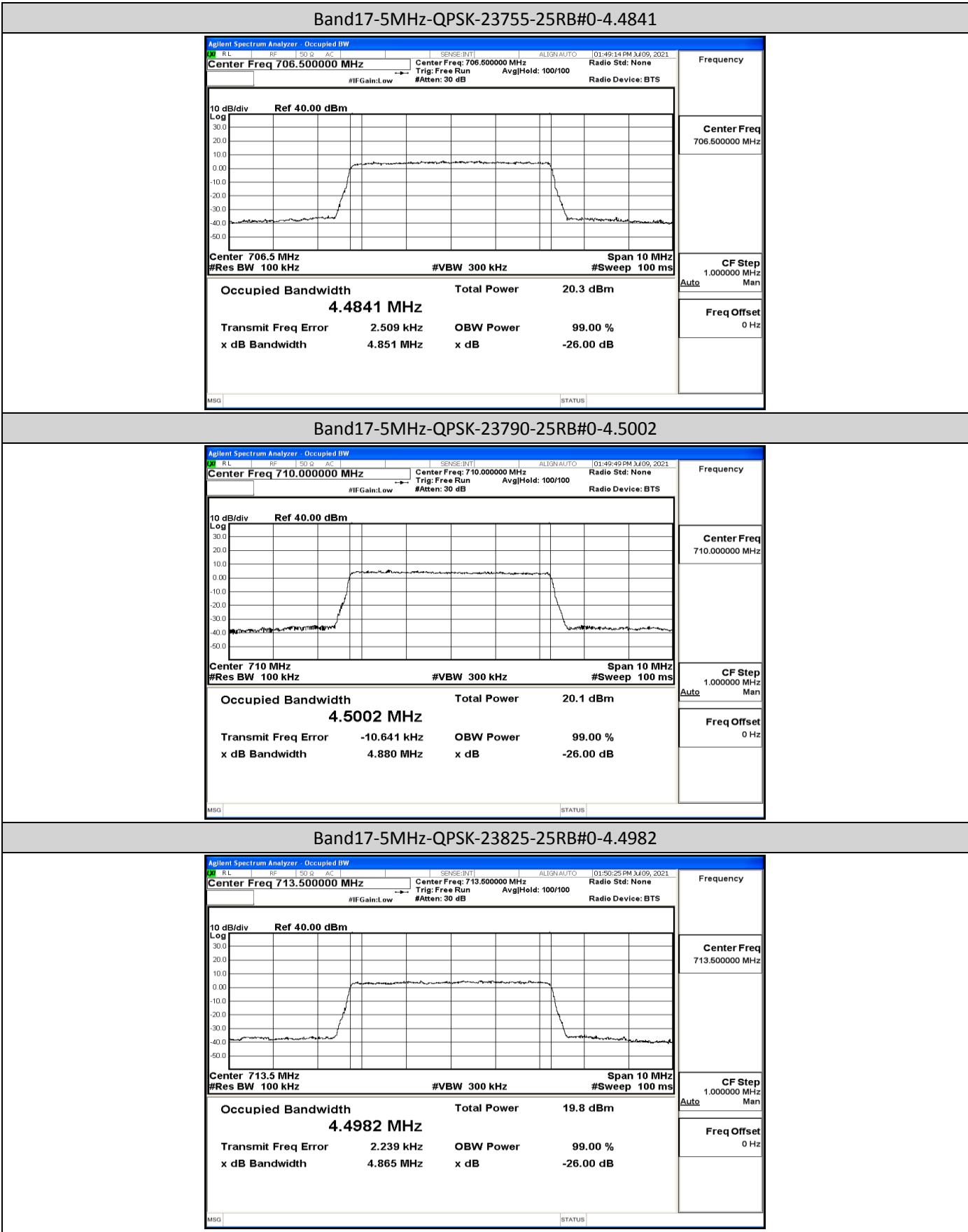


I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

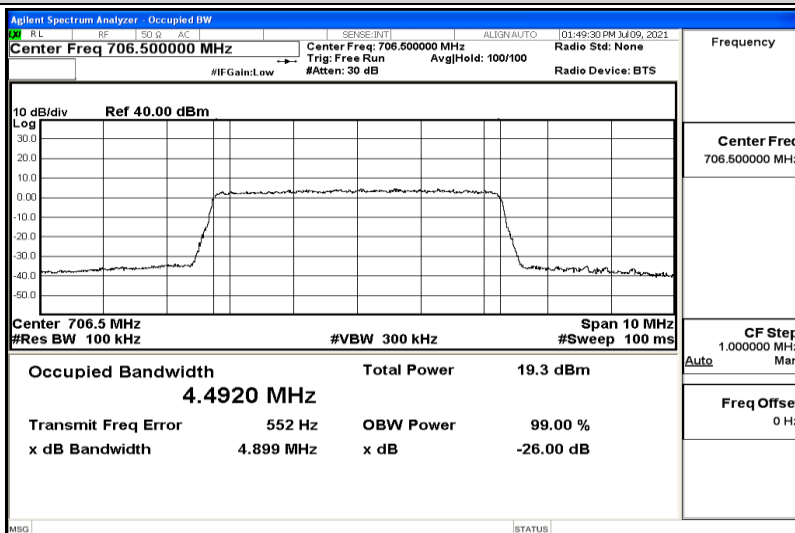
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4841	4.851	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5002	4.880	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4982	4.865	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4920	4.899	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5007	4.857	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4986	4.887	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9846	9.564	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9767	9.573	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9945	9.615	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9810	9.575	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9842	9.541	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9822	9.583	PASS

Test Graphs

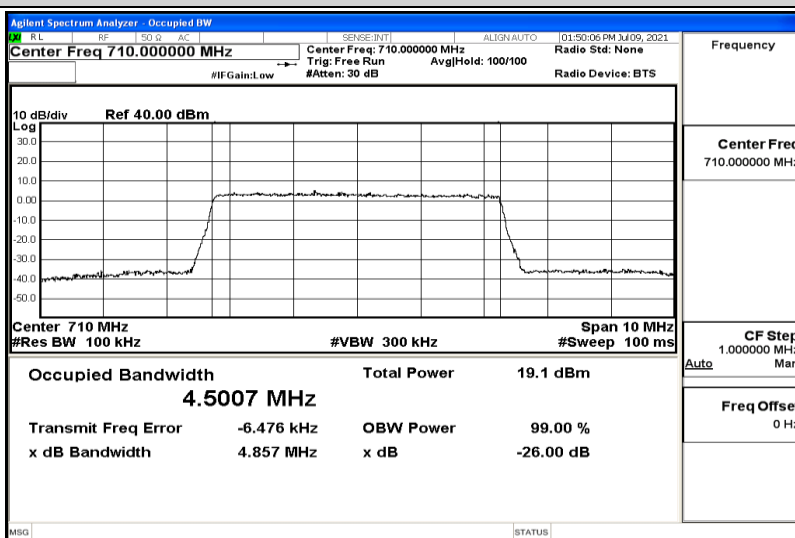




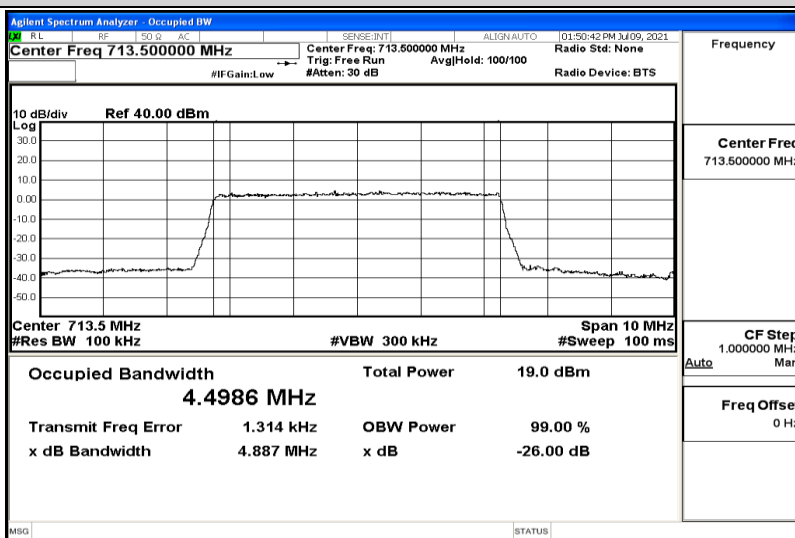
Band17-5MHz-16QAM-23755-25RB#0-4.4920



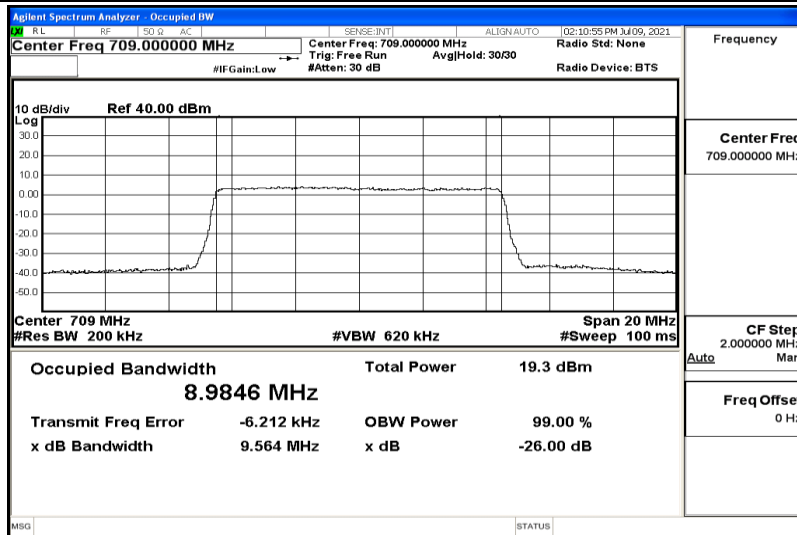
Band17-5MHz-16QAM-23790-25RB#0-4.5007



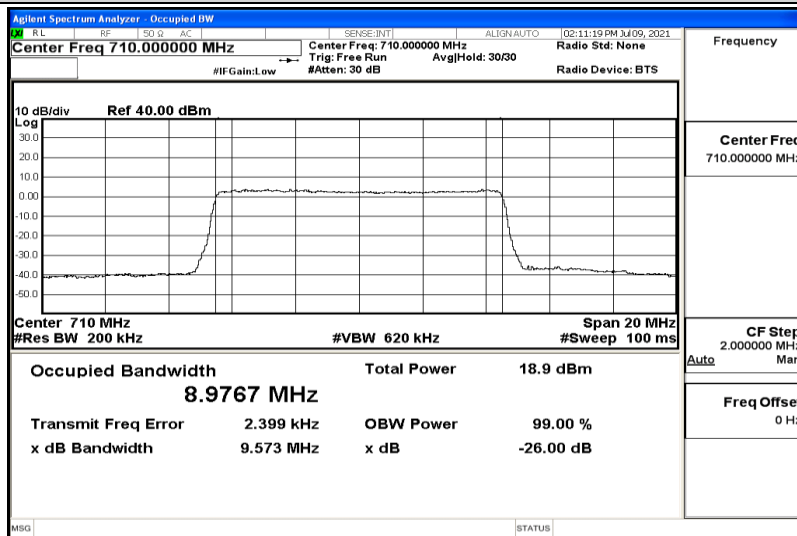
Band17-5MHz-16QAM-23825-25RB#0-4.4986



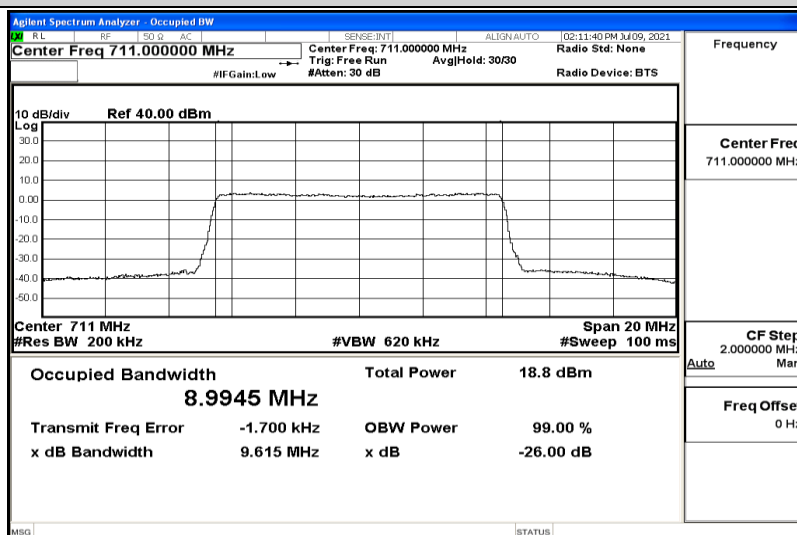
Band17-10MHz-QPSK-23780-50RB#0-8.9846



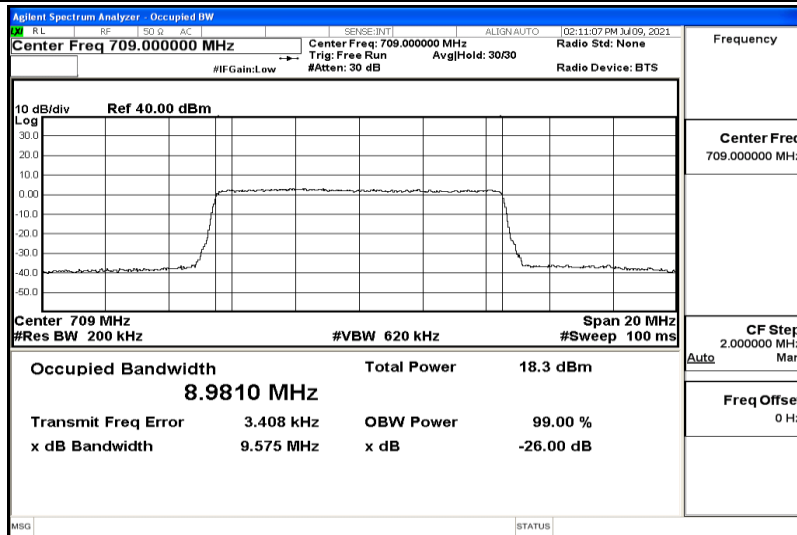
Band17-10MHz-QPSK-23790-50RB#0-8.9767



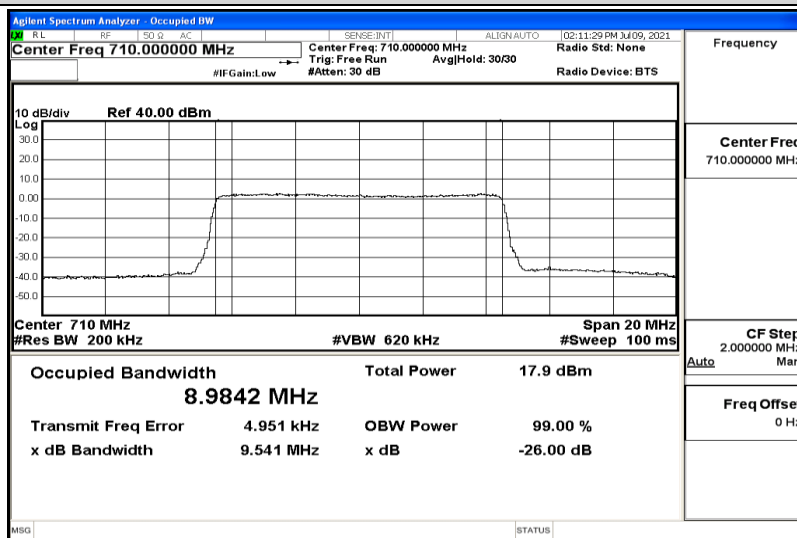
Band17-10MHz-QPSK-23800-50RB#0-8.9945



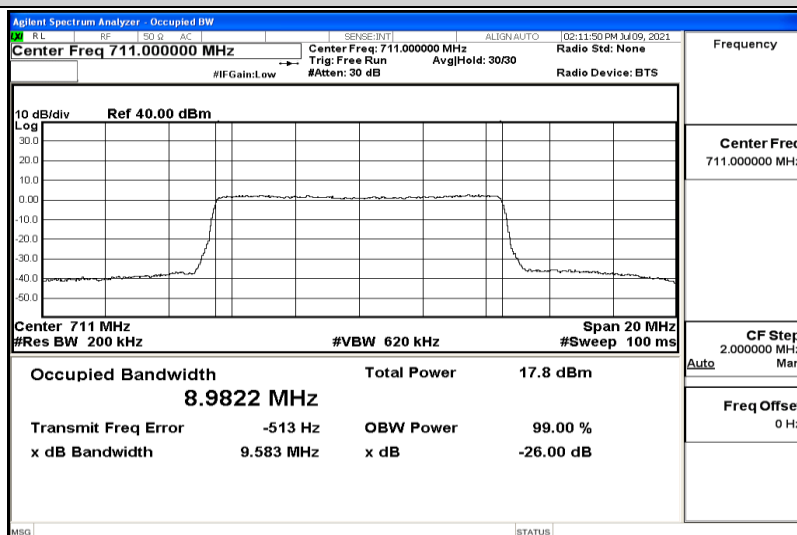
Band17-10MHz-16QAM-23780-50RB#0-8.9810



Band17-10MHz-16QAM-23790-50RB#0-8.9842



Band17-10MHz-16QAM-23800-50RB#0-8.9822

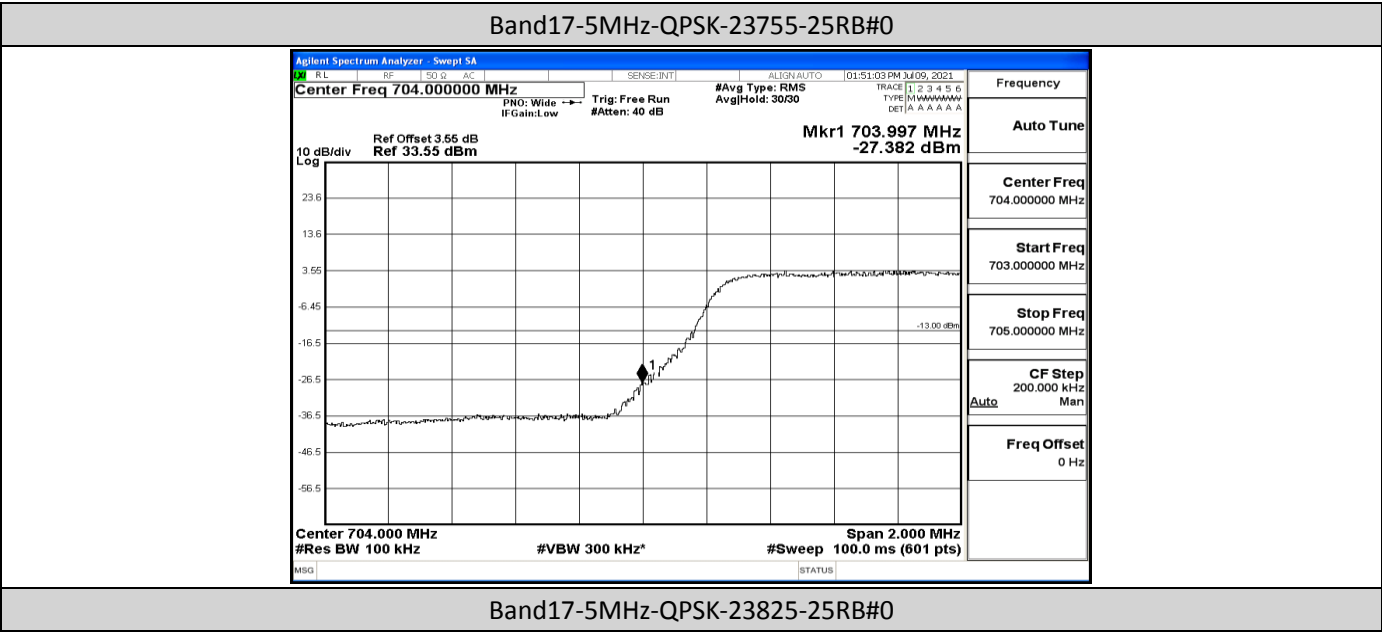


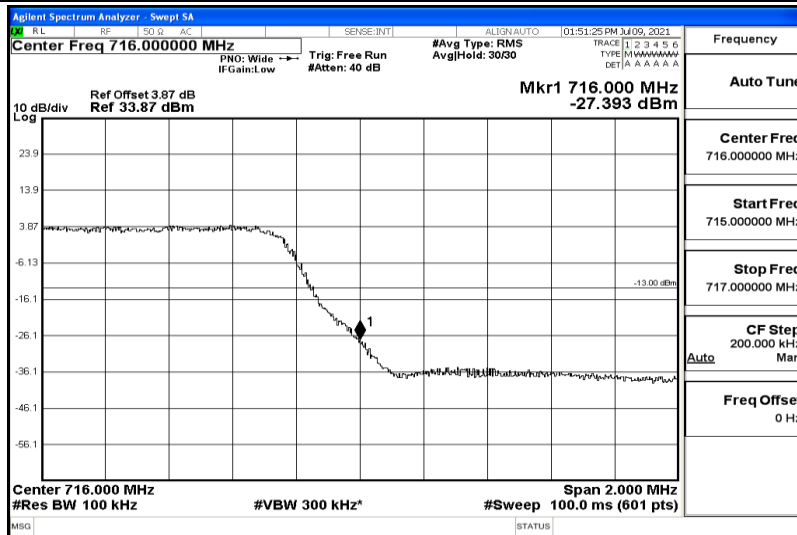
I.4 Band Edge

Test Result

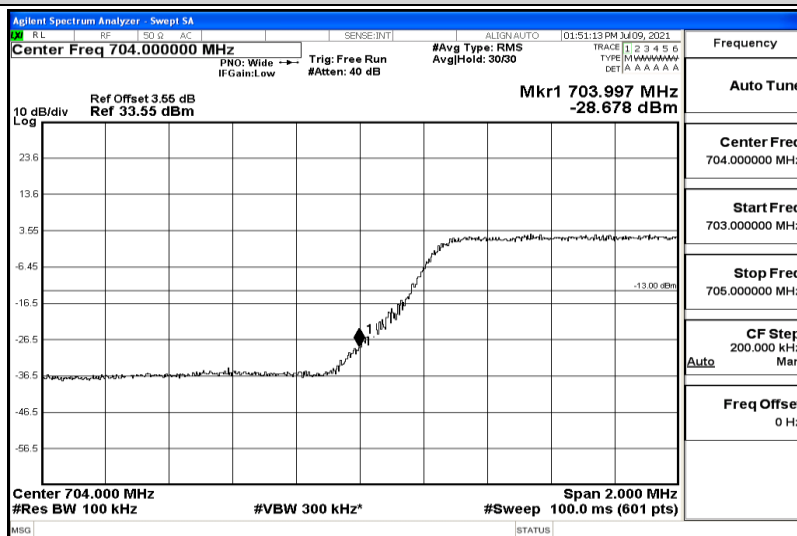
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-27.38	PASS
Band17	5MHz	QPSK	23825	25RB#0	-27.39	PASS
Band17	5MHz	16QAM	23755	25RB#0	-28.68	PASS
Band17	5MHz	16QAM	23825	25RB#0	-27.91	PASS
Band17	10MHz	QPSK	23780	50RB#0	-30.04	PASS
Band17	10MHz	QPSK	23800	50RB#0	-29.65	PASS
Band17	10MHz	16QAM	23780	50RB#0	-31.58	PASS
Band17	10MHz	16QAM	23800	50RB#0	-31.09	PASS

Test Graphs

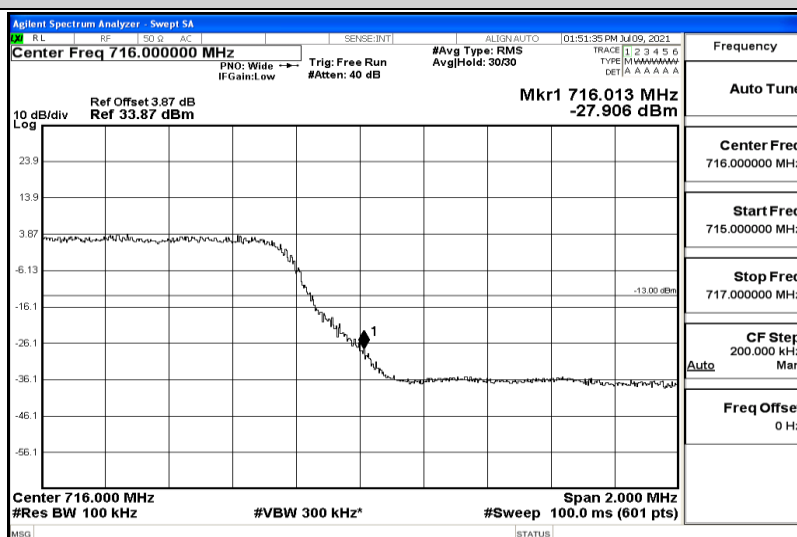




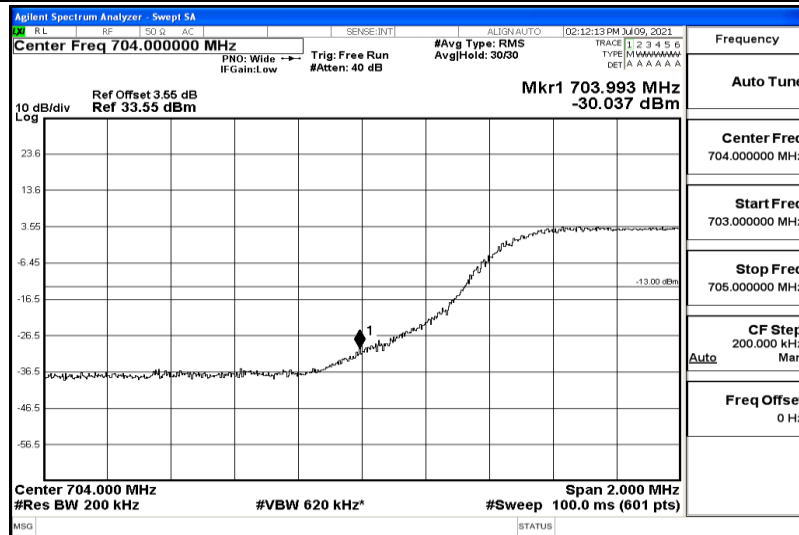
Band17-5MHz-16QAM-23755-25RB#0



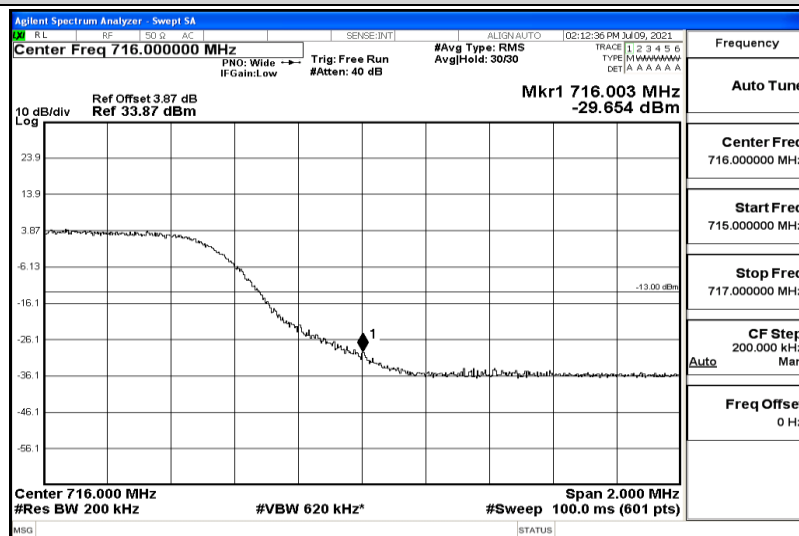
Band17-5MHz-16QAM-23825-25RB#0



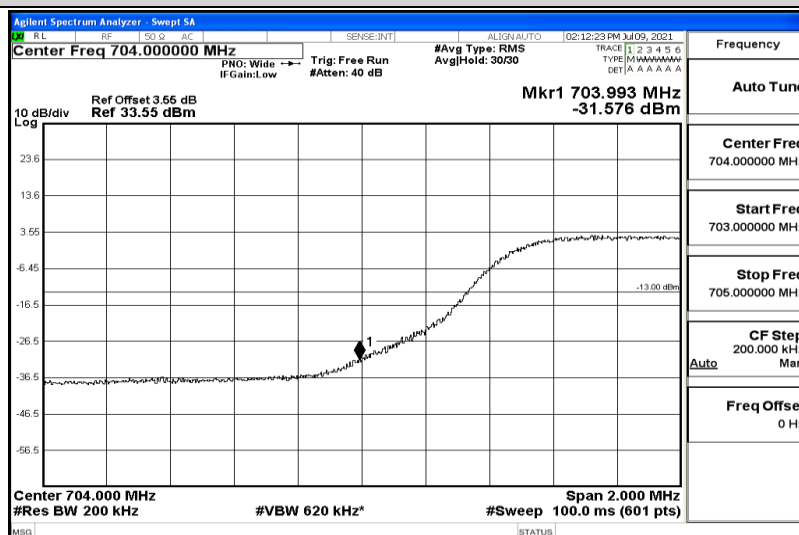
Band17-10MHz-QPSK-23780-50RB#0



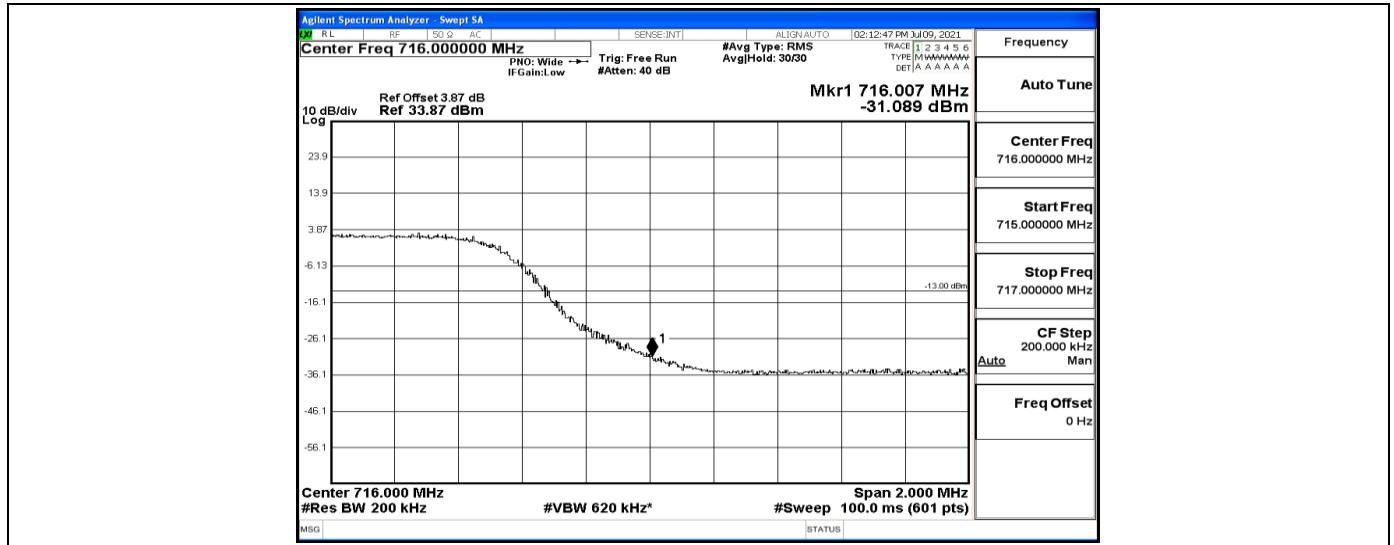
Band17-10MHz-QPSK-23800-50RB#0



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



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



I.5 Conducted Spurious Emission

Test Result

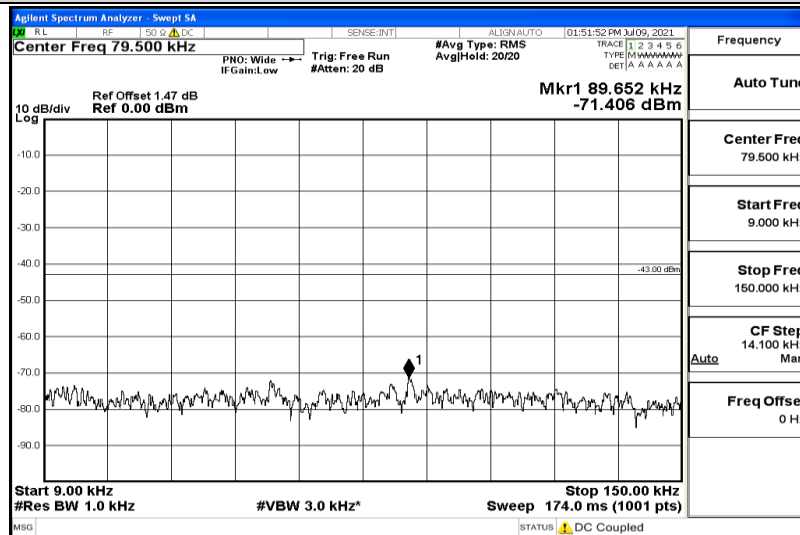
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	-71.41	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-67.88	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-43.31	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	-36.34	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-71.06	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-68.78	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-43.48	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-38.19	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	-72.31	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-68.99	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-43.65	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	-38.14	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	-72.54	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-68.15	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-43.3	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	-38.17	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-71.98	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-67.45	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-43.57	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-38.31	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	-72.69	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-68.88	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-43.49	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	-39.19	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	-70.02	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-68.13	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-43.44	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	-36.01	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-72.34	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-68.34	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-43.35	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-36.7	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	-72.52	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-67.57	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-43.22	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	-37.03	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	-70.77	PASS



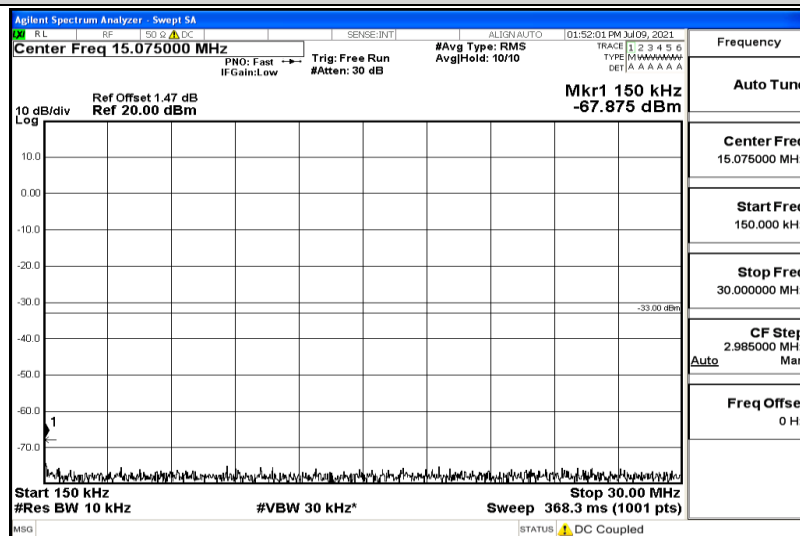
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-68.34	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	-43.37	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	-37.8	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-72.7	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-66.19	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-43.71	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-38.39	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	-71.58	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-67.87	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-43.71	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	-38.18	PASS

Test Graphs

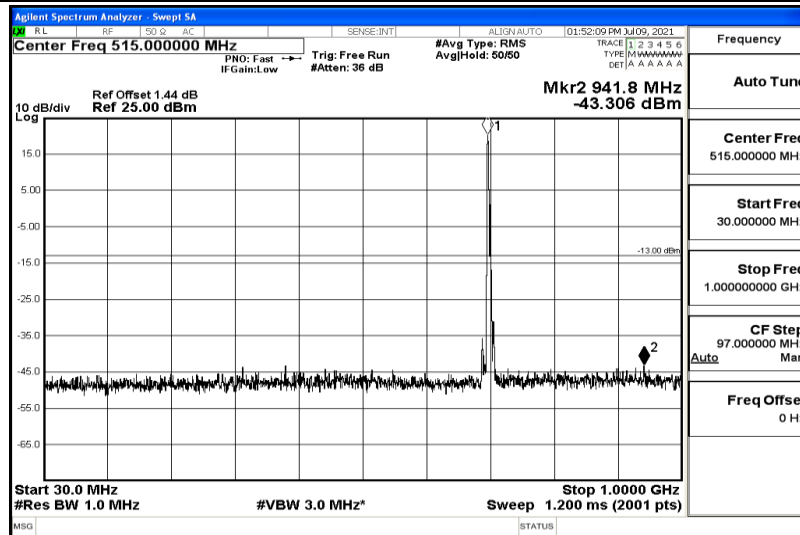
Band17-5MHz-QPSK-23755-1RB#0-Range1:0.009~0.15MHz



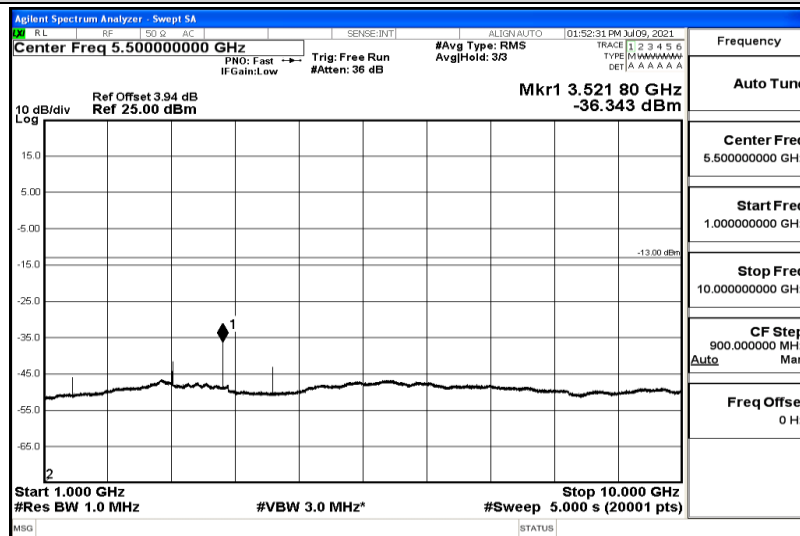
Band17-5MHz-QPSK-23755-1RB#0-Range2:0.15~30MHz



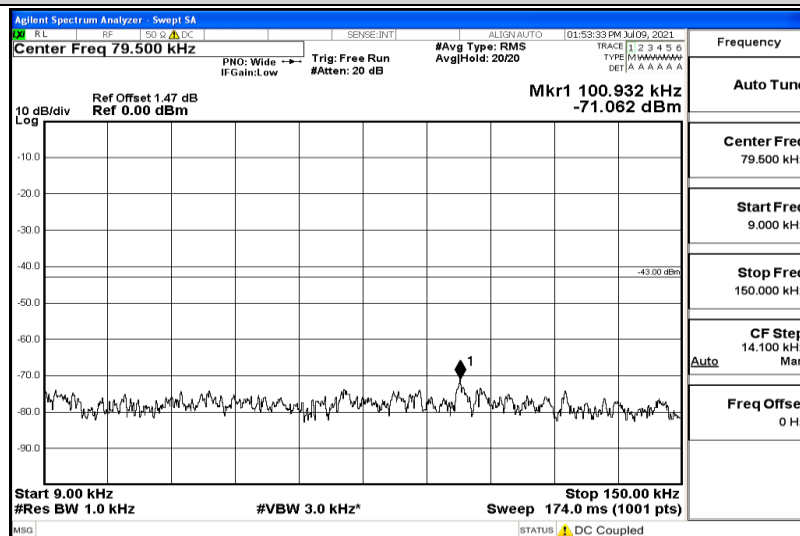
Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz



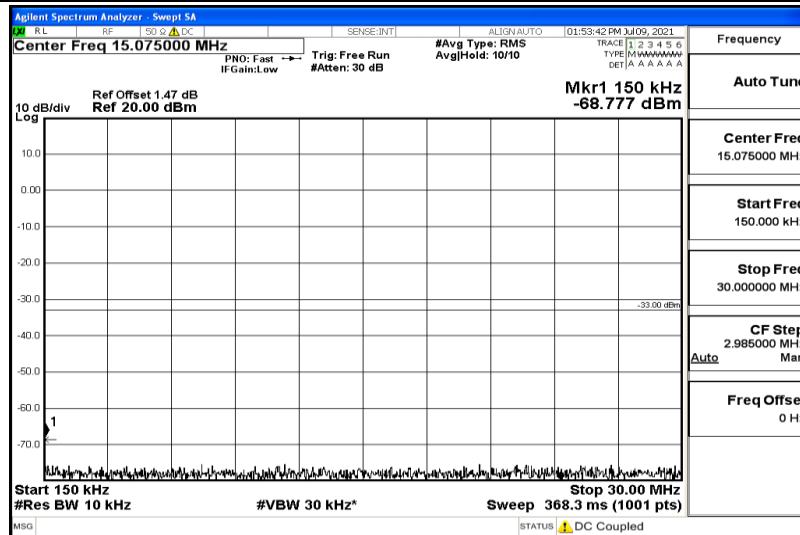
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



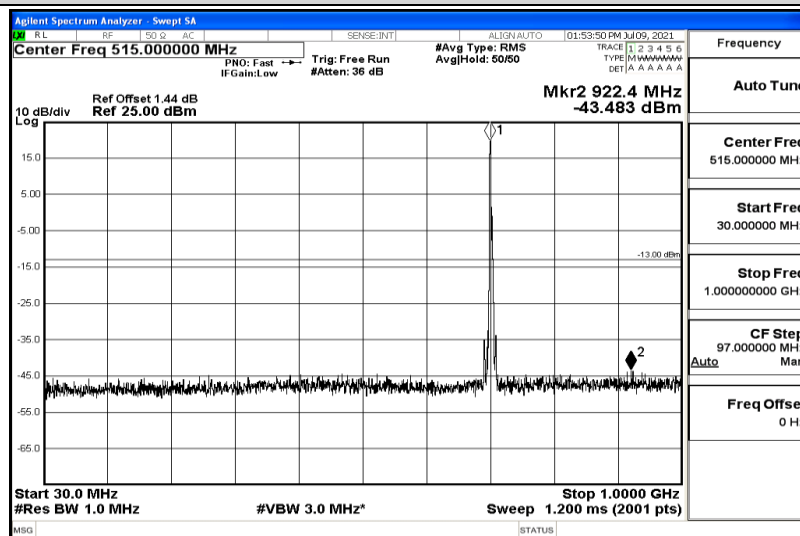
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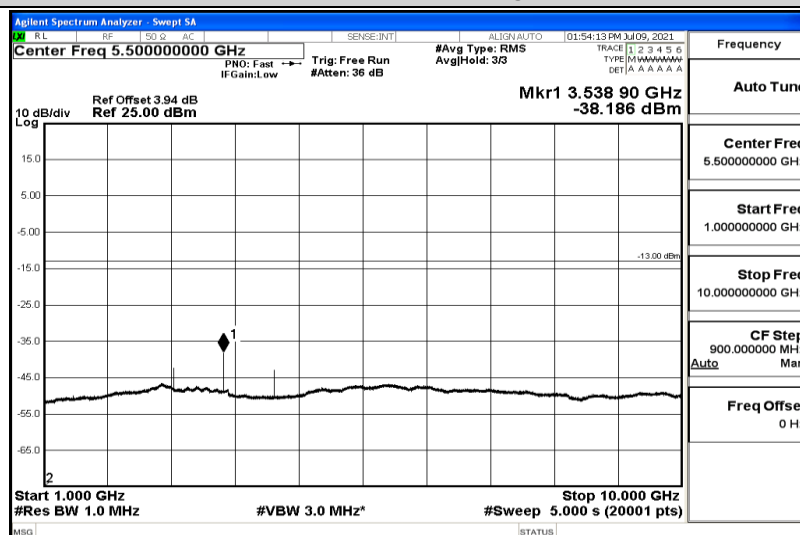
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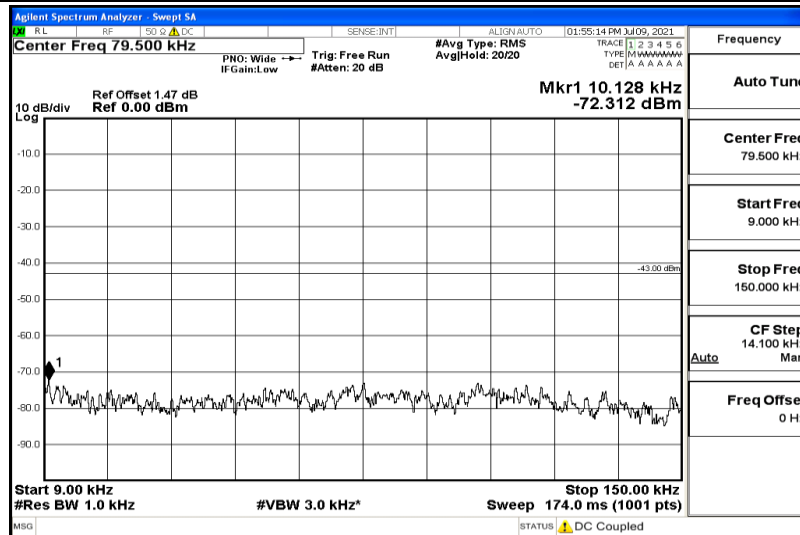
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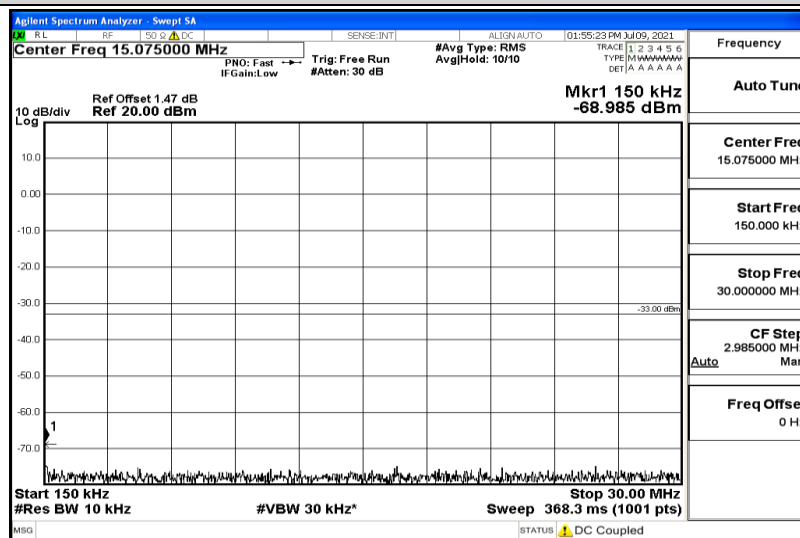
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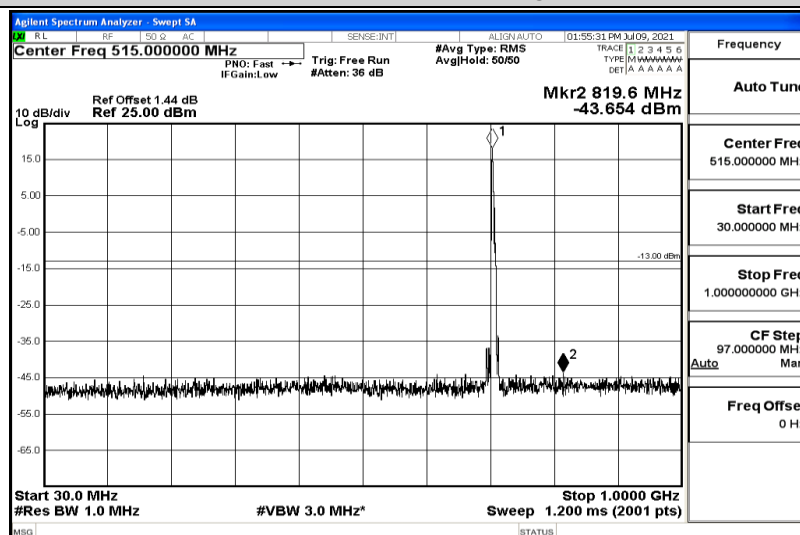
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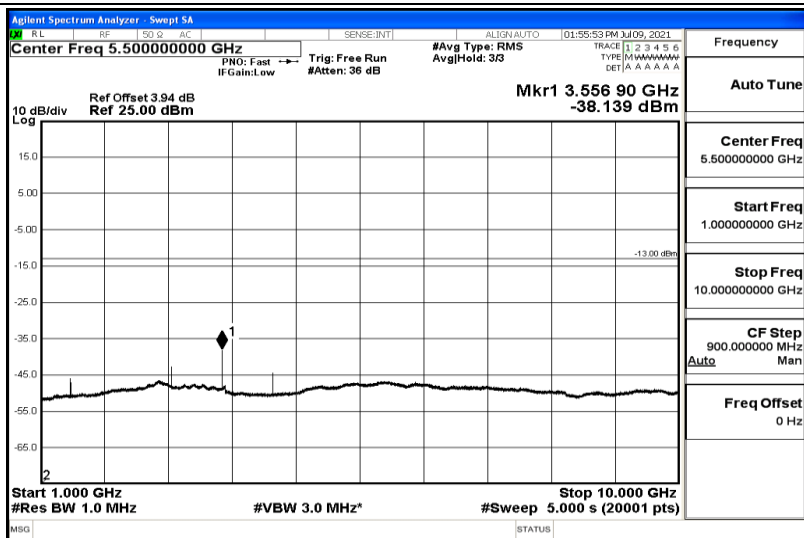
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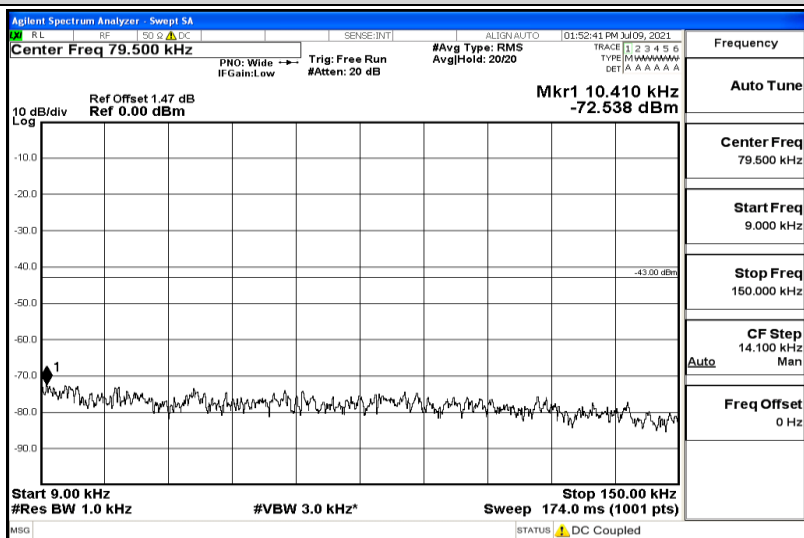
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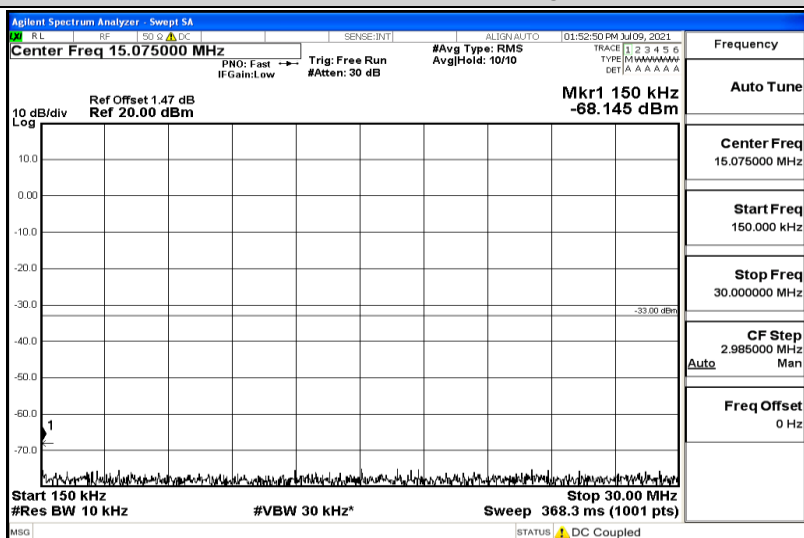
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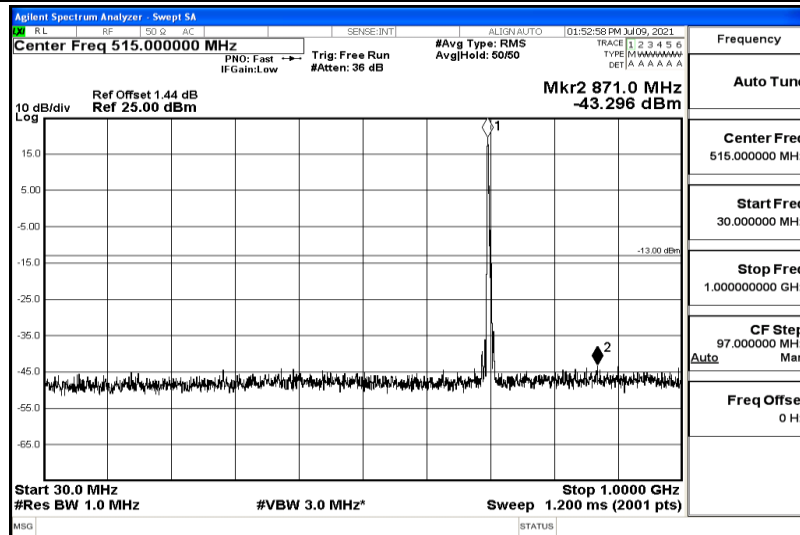
Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz



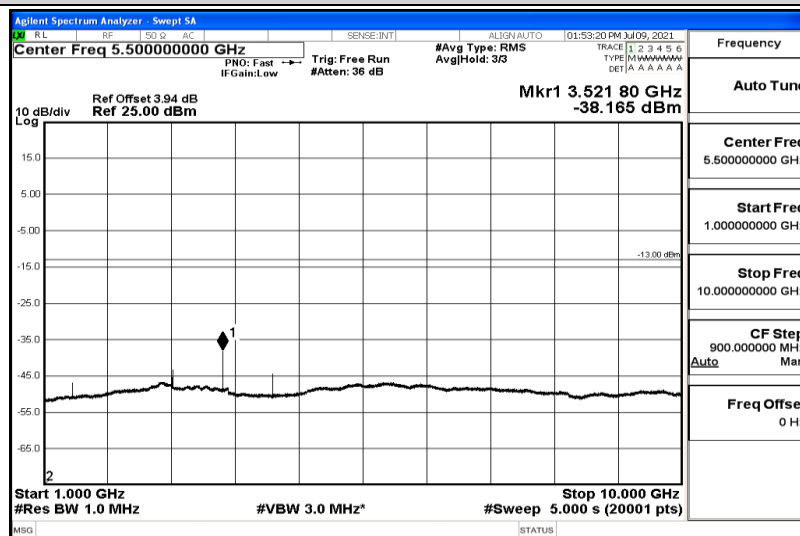
Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz



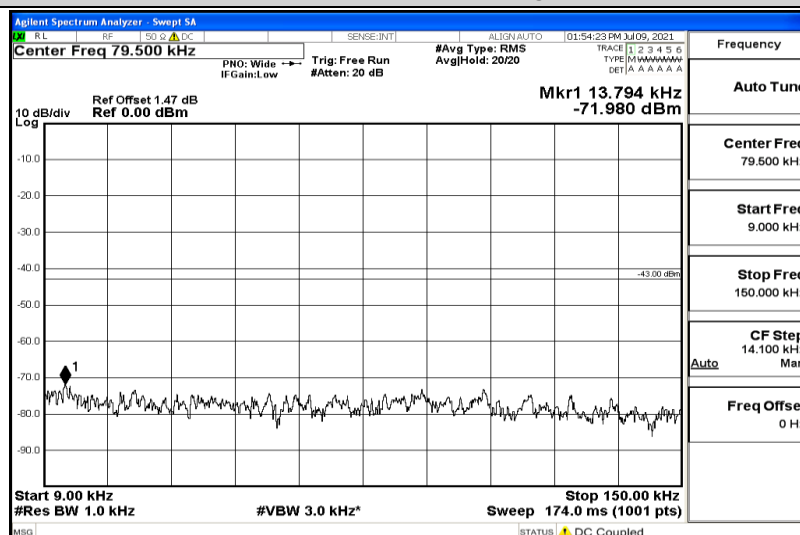
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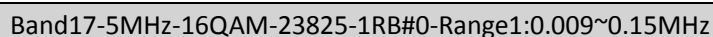
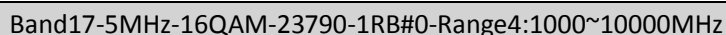
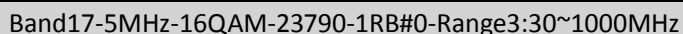
Band17-5MHz-16QAM-23755-1RB#0-Range4:1000~10000MHz

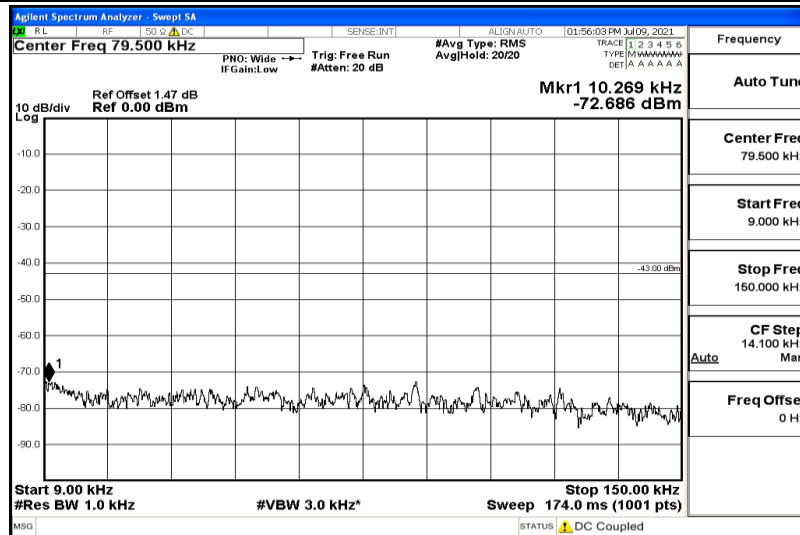


Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz

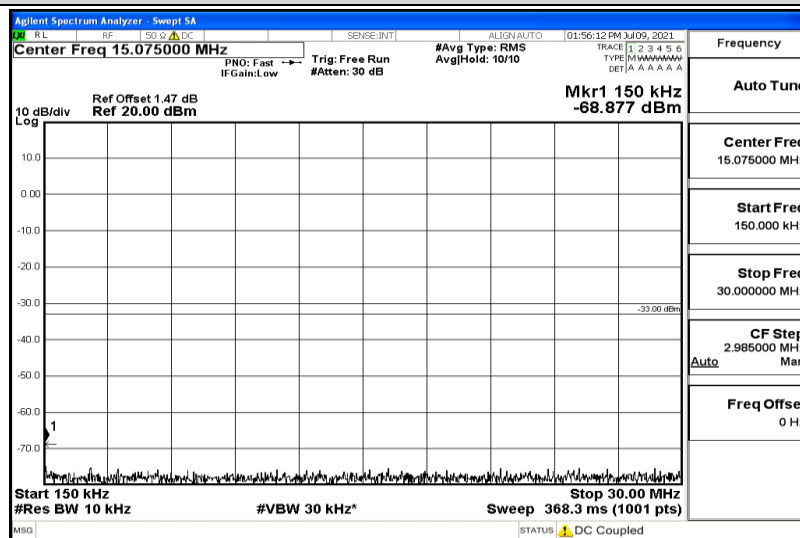


Band17-5MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz

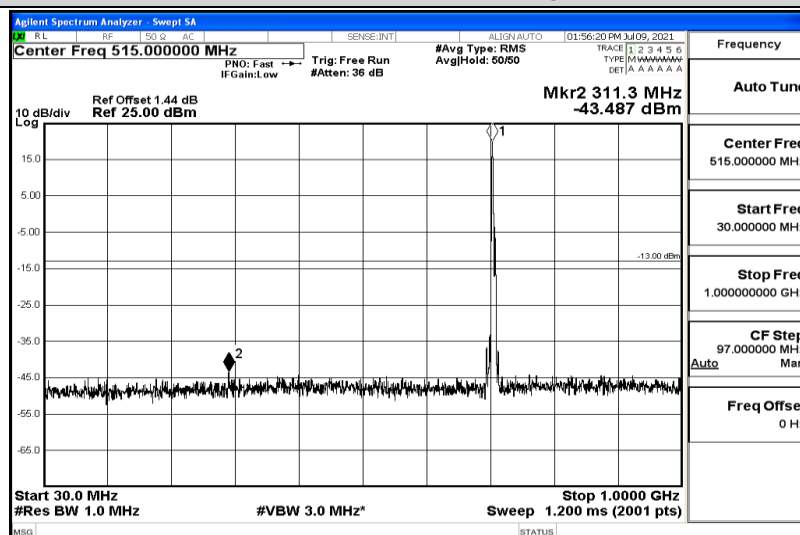




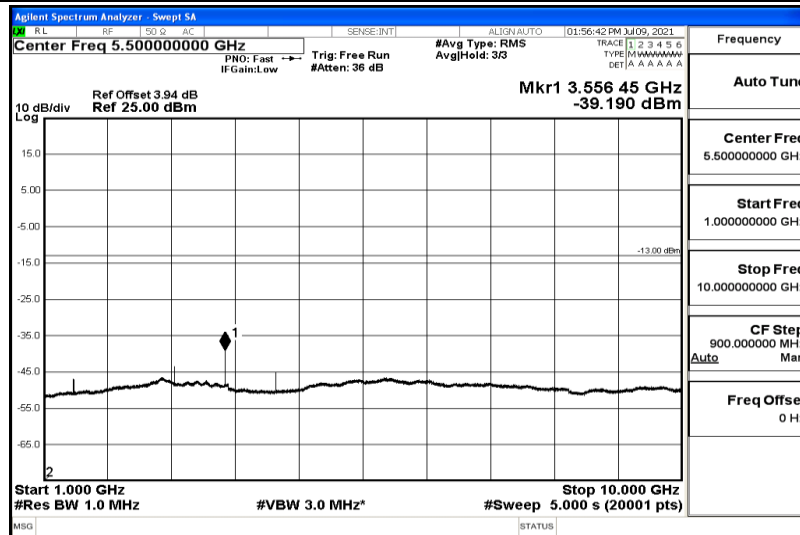
Band17-5MHz-16QAM-23825-1RB#0-Range2:0.15~30MHz



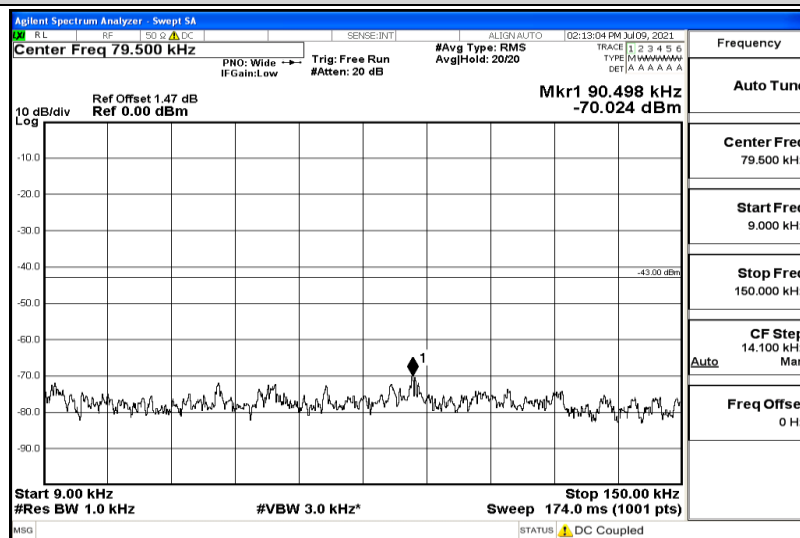
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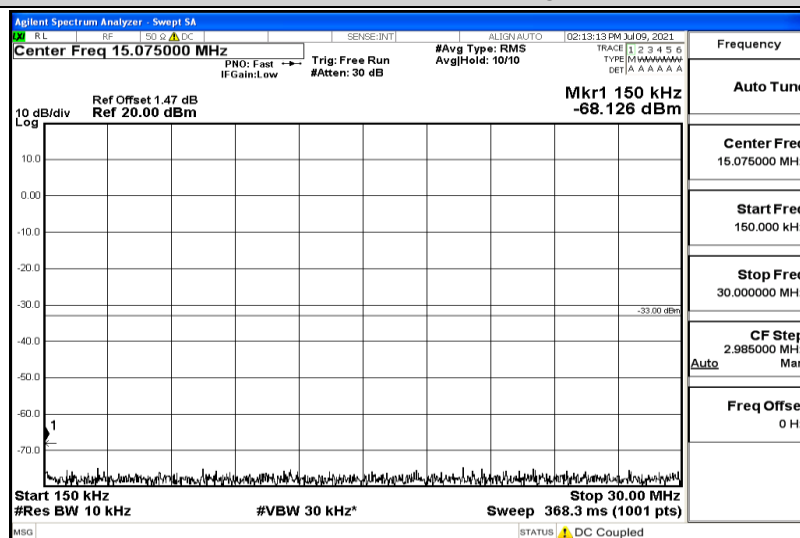
Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz



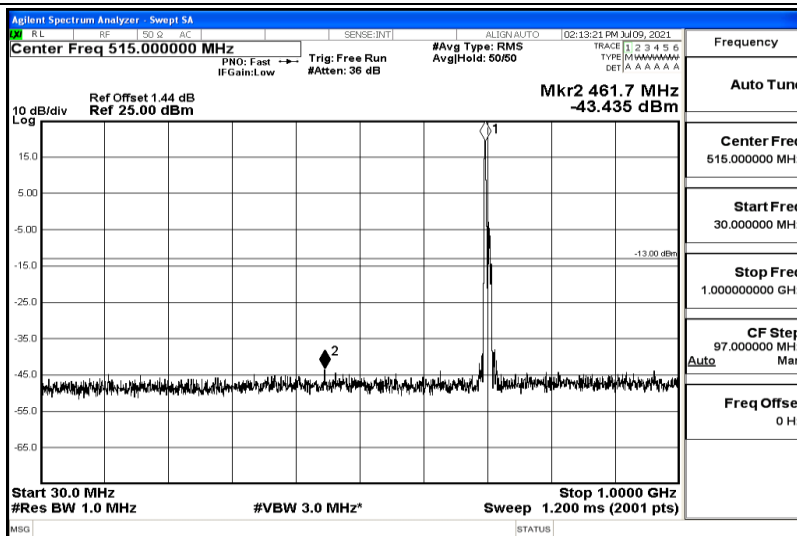
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



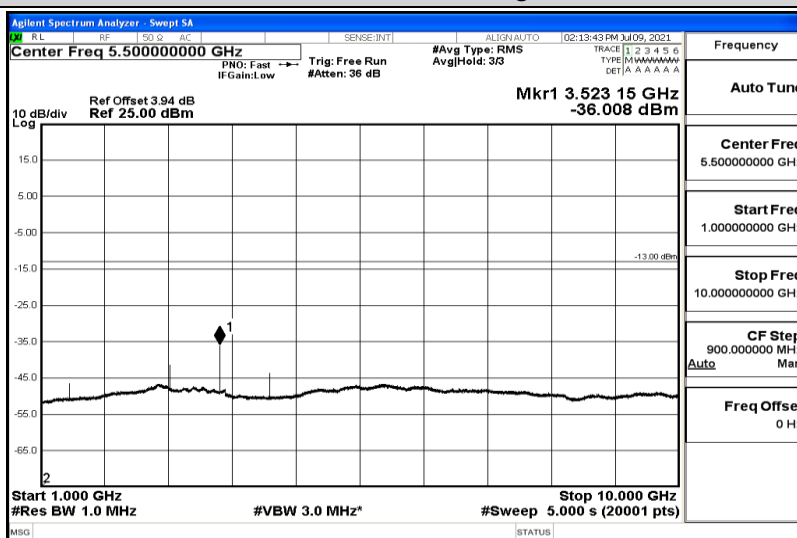
Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz



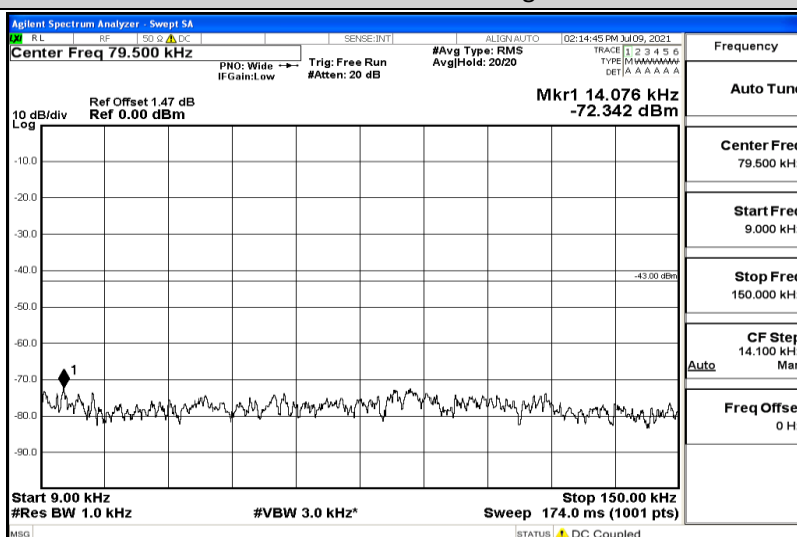
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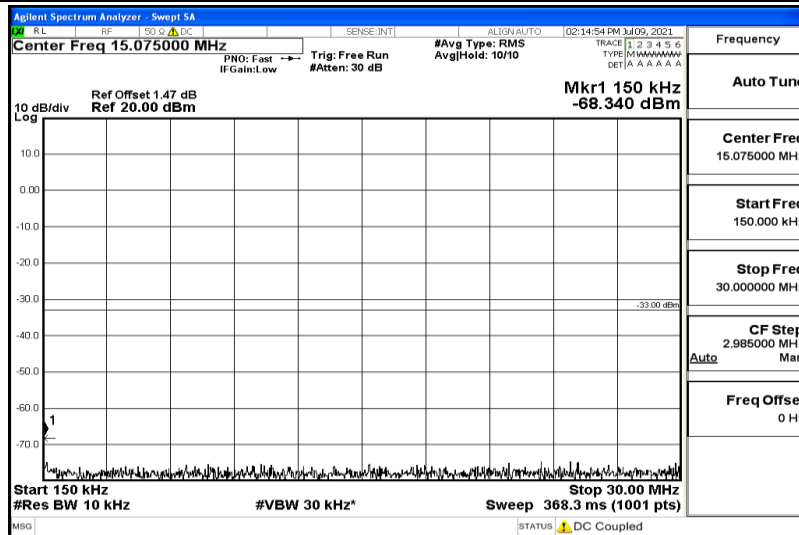
Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz



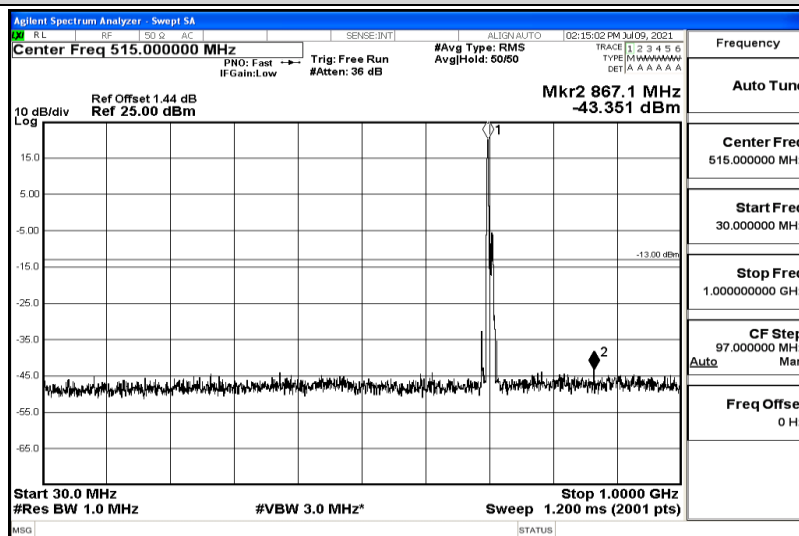
Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



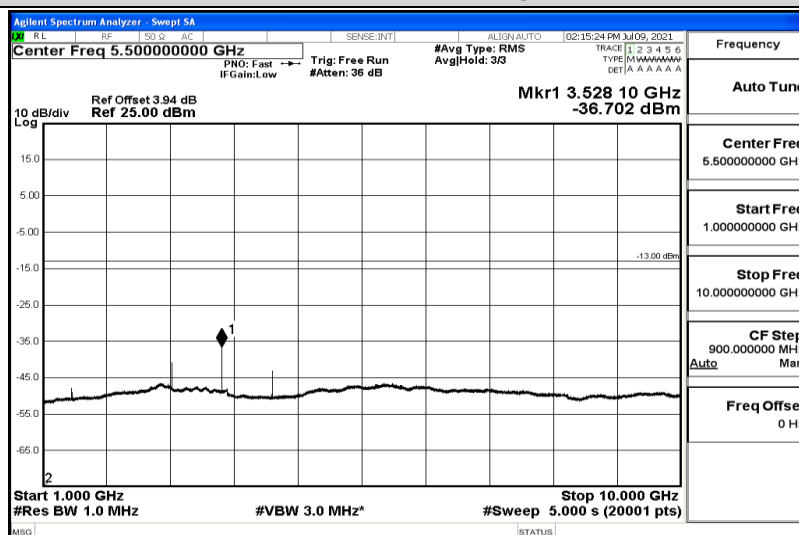
Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



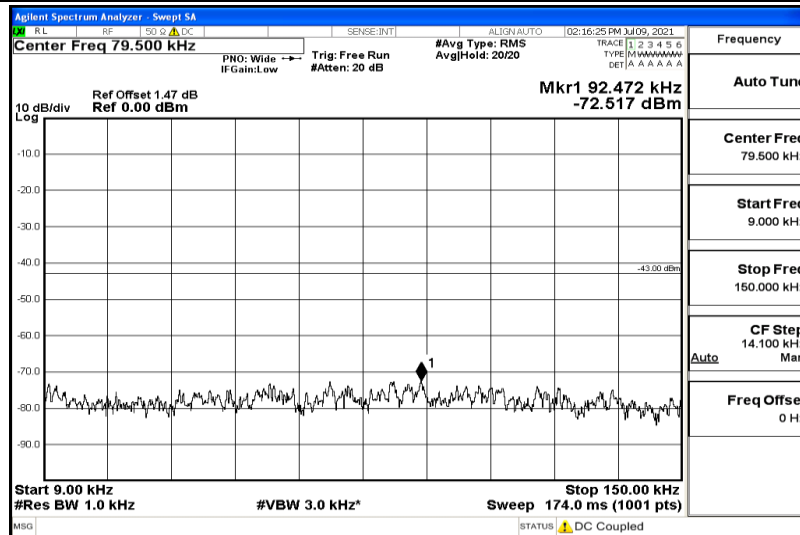
Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



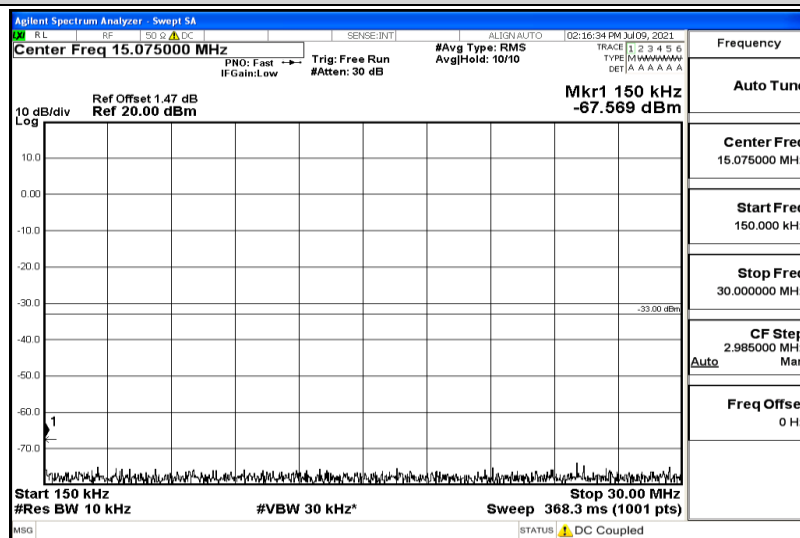
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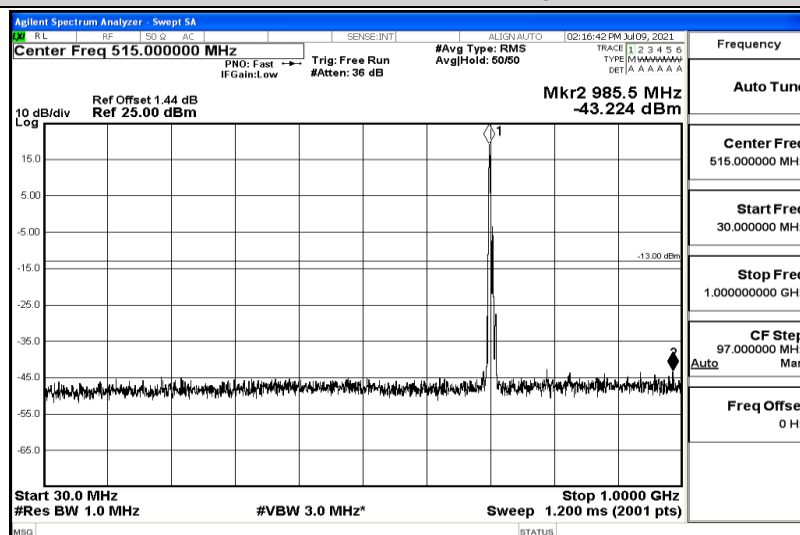
Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



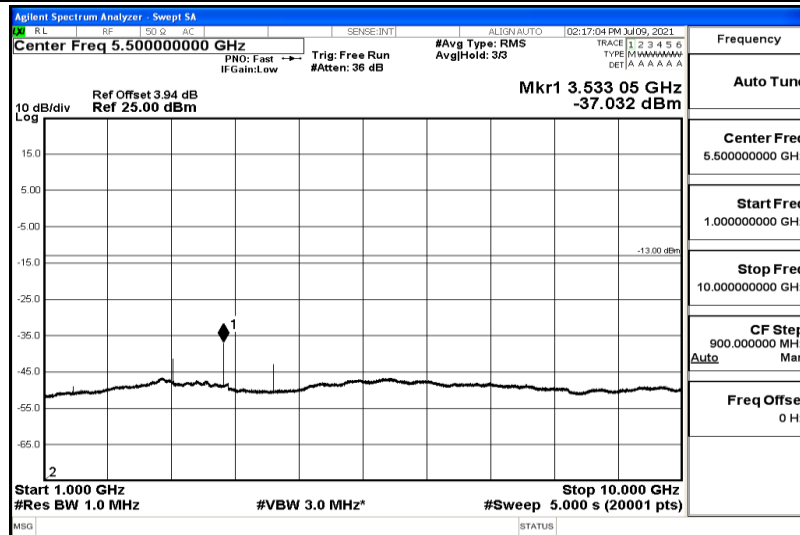
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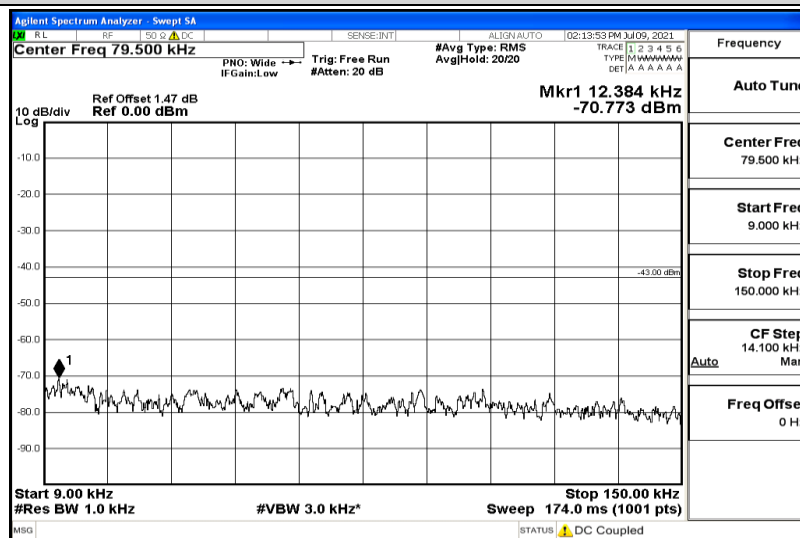
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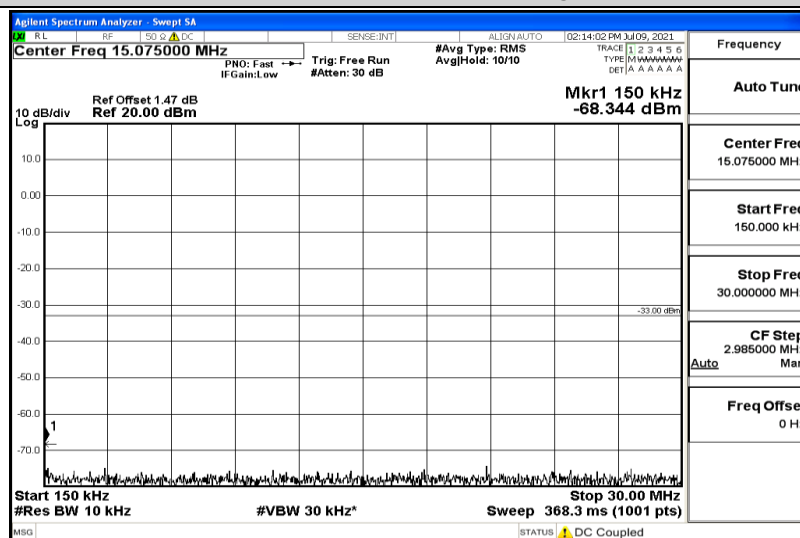
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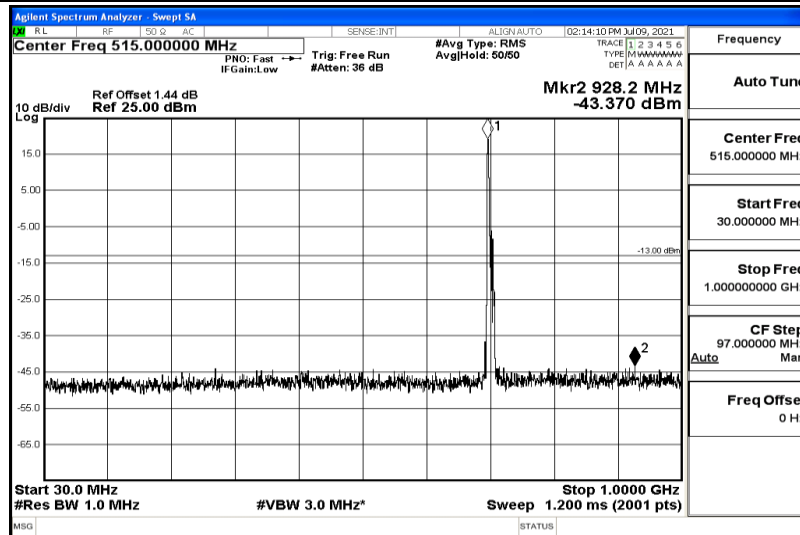
Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz



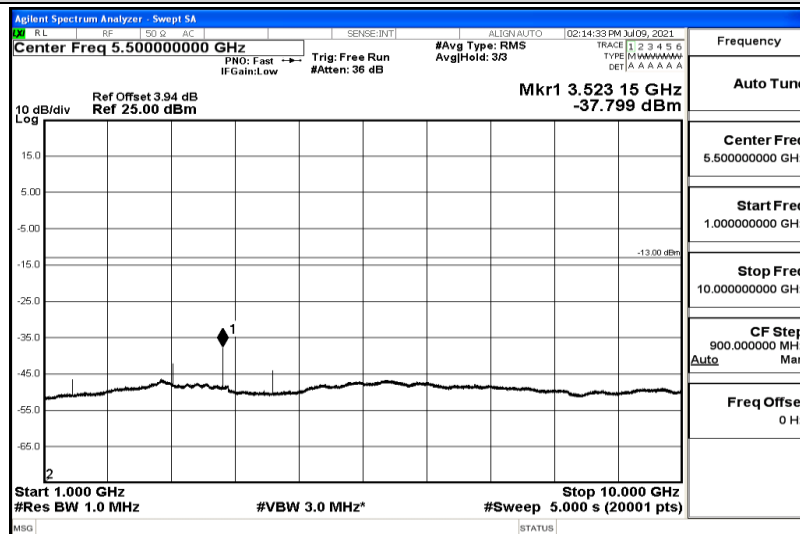
Band17-10MHz-16QAM-23780-1RB#0-Range2:0.15~30MHz



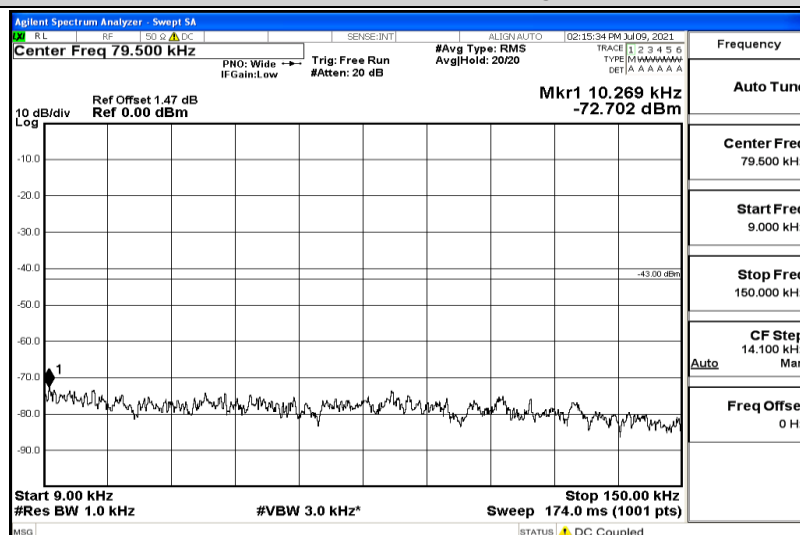
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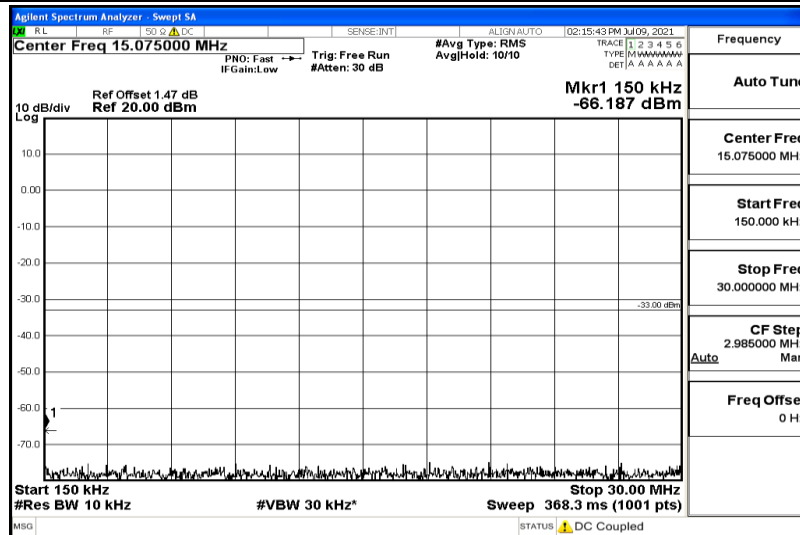
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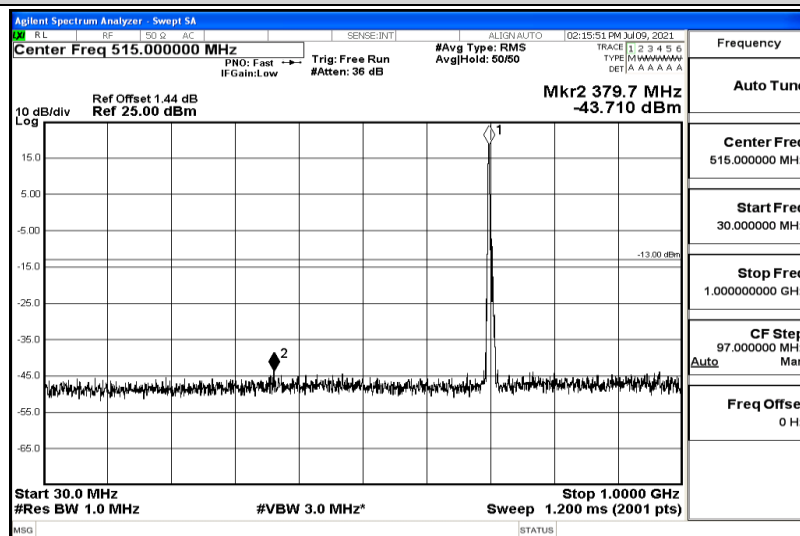
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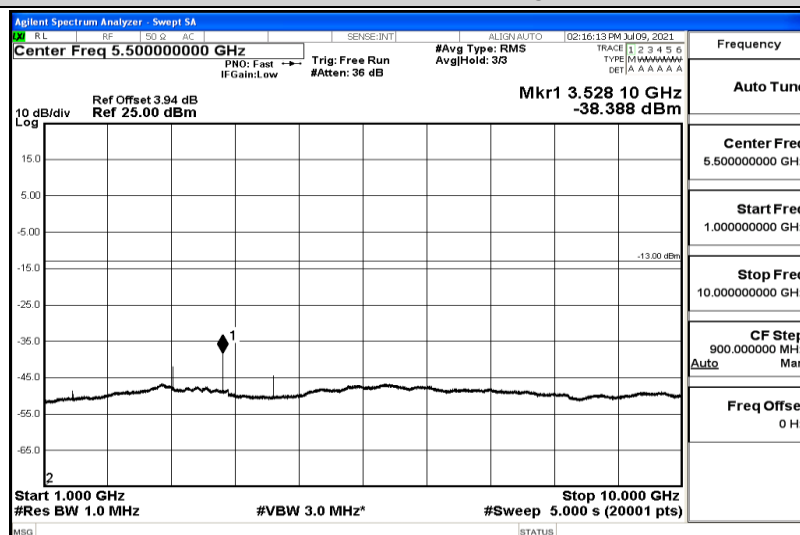
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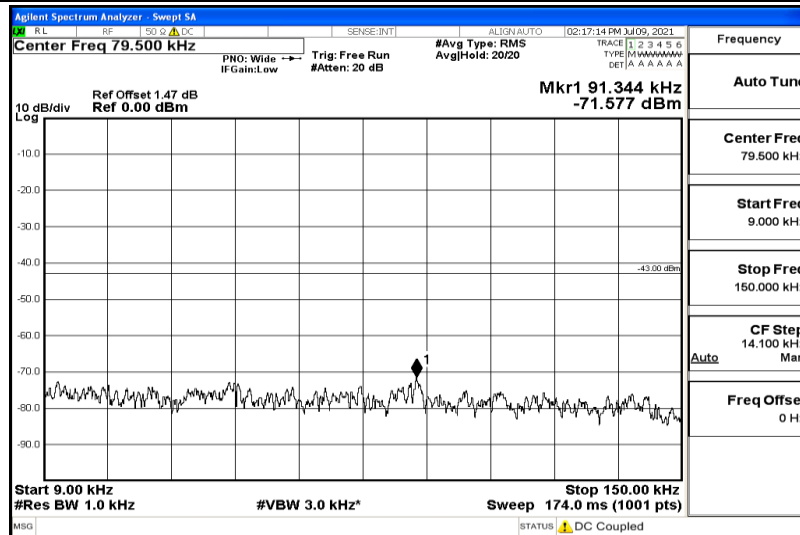
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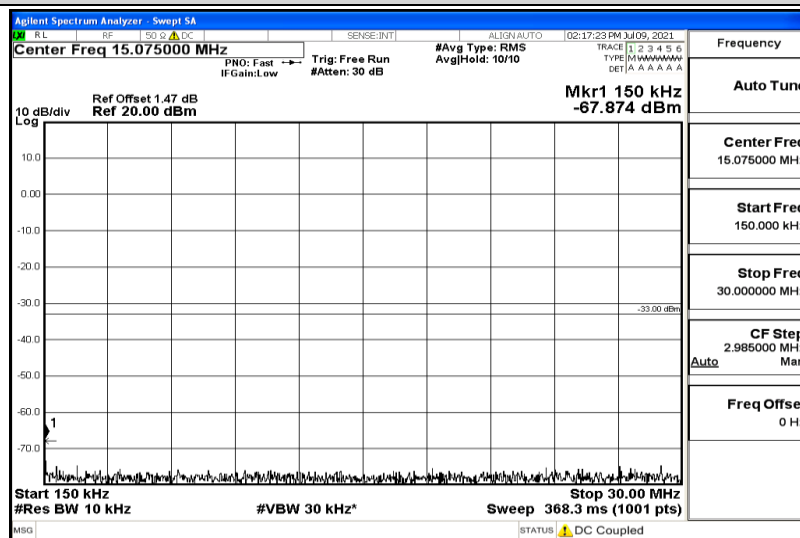
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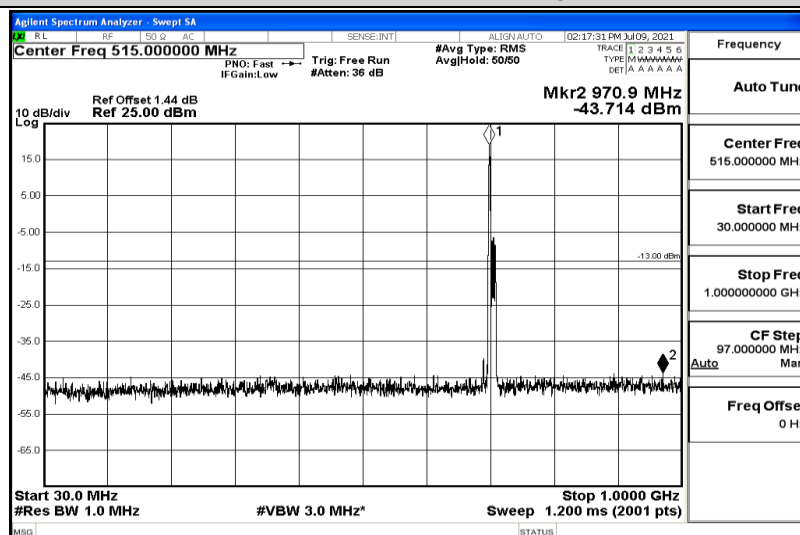
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



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

