



Appendix J: Test Data for E-UTRA Band 17

Product Name: 6.5-inch 4G Smart Phone

Trade Mark: LOGIC, iSWAG, UNONU

Test Model: L65

Environmental Conditions

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



J.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.11	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.15	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.99	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.44	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.44	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.41	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.40	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.03	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.10	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.18	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.27	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.07	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.31	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.19	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.95	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.14	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.94	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.10	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.06	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.90	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.31	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.34	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.42	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.83	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.84	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.06	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.80	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.03	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.79	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.87	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.08	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.56	PASS



Band17	5MHz	16QAM	23790	12RB#6	21.06	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.57	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.19	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.10	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.43	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.40	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.39	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.28	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.41	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.06	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.23	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.93	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.19	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.21	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.92	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.09	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.81	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.93	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.11	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.24	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.87	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.24	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.99	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.69	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.76	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.85	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.79	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.05	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.04	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.98	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.50	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.63	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.85	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.55	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.53	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.38	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.91	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.16	PASS



Band17	10MHz	16QAM	23790	1RB#49	21.75	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.85	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.04	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.37	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.05	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.47	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.51	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.27	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.79	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.85	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.23	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.36	PASS



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

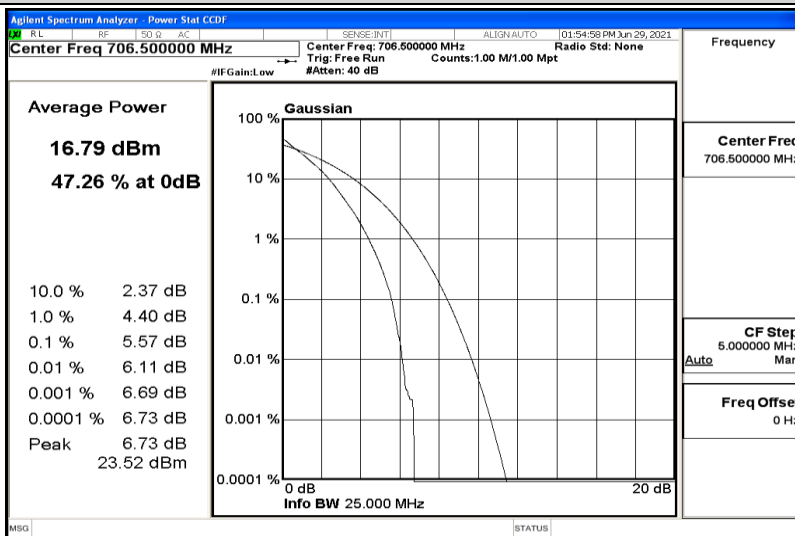
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.57	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.58	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.57	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.29	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.19	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.31	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.73	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.73	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.74	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.39	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.44	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.44	13	PASS

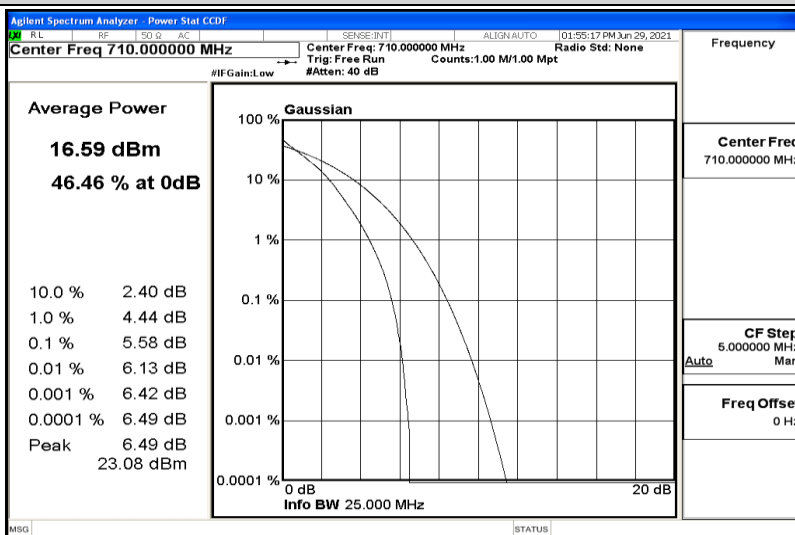


Test Graphs

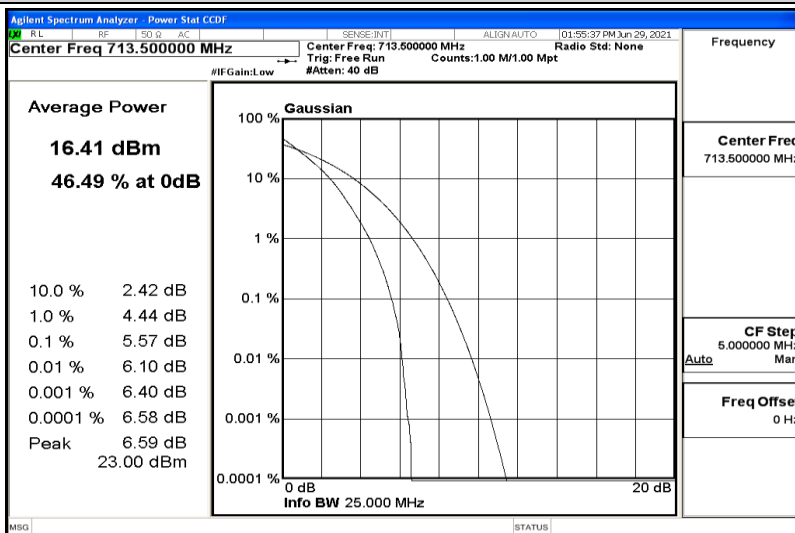
Band17-5MHz-QPSK-23755-25RB#0



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

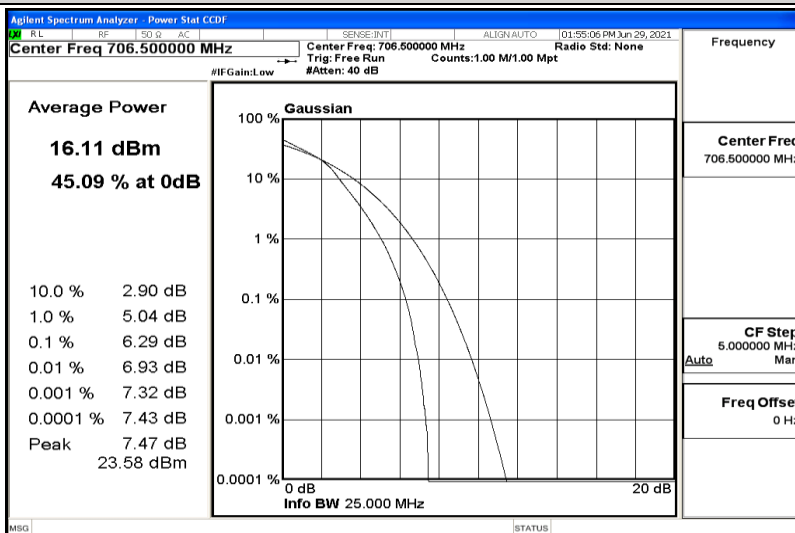


Band17-5MHz-QPSK-23825-25RB#0

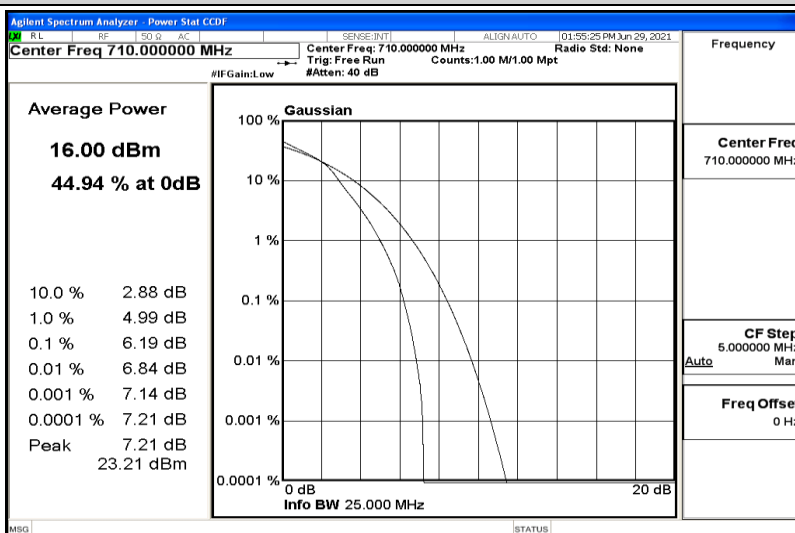




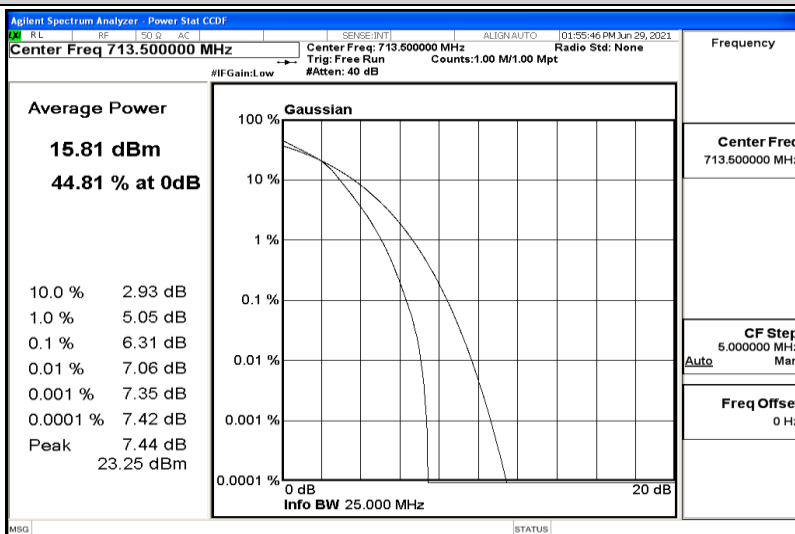
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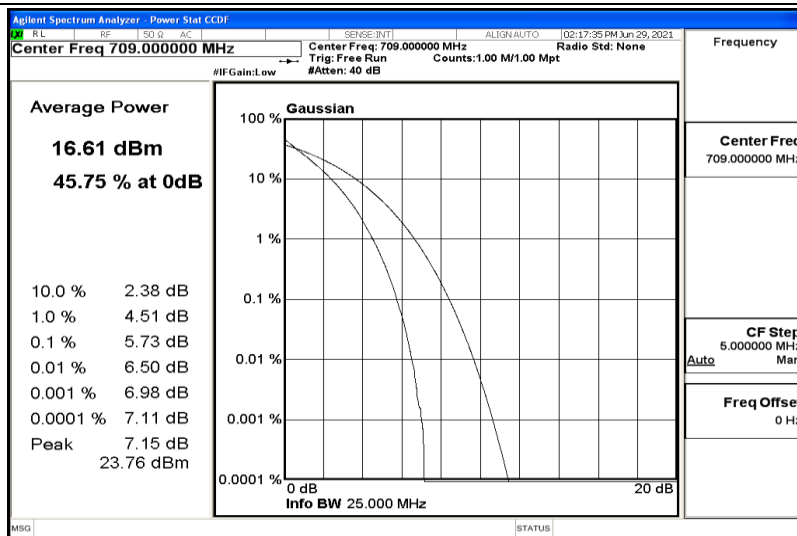
Band17-5MHz-16QAM-23790-25RB#0



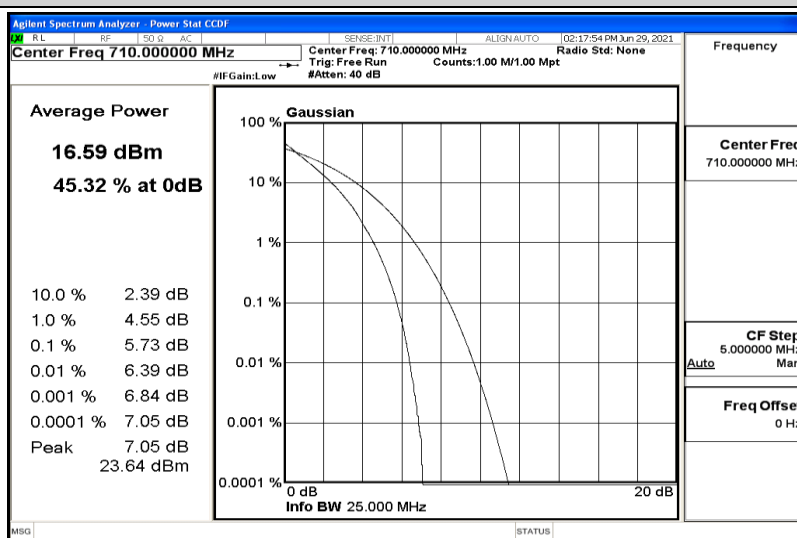
Band17-5MHz-16QAM-23825-25RB#0



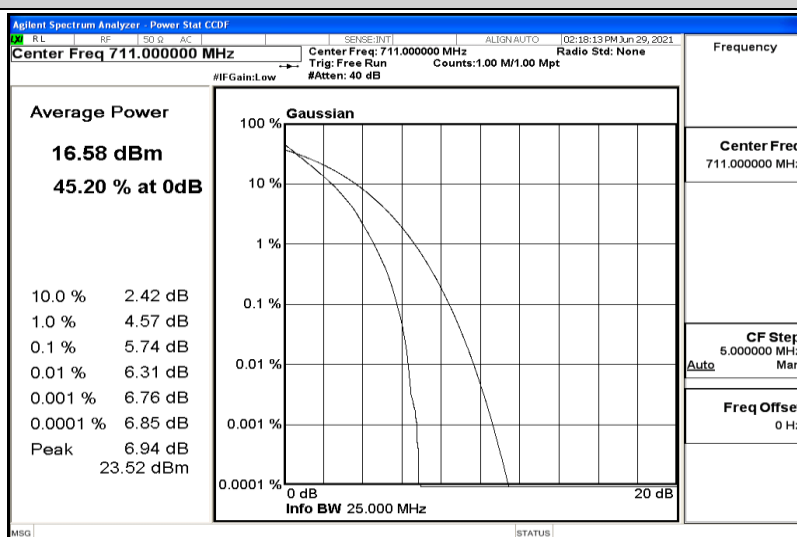
Band17-10MHz-QPSK-23780-50RB#0



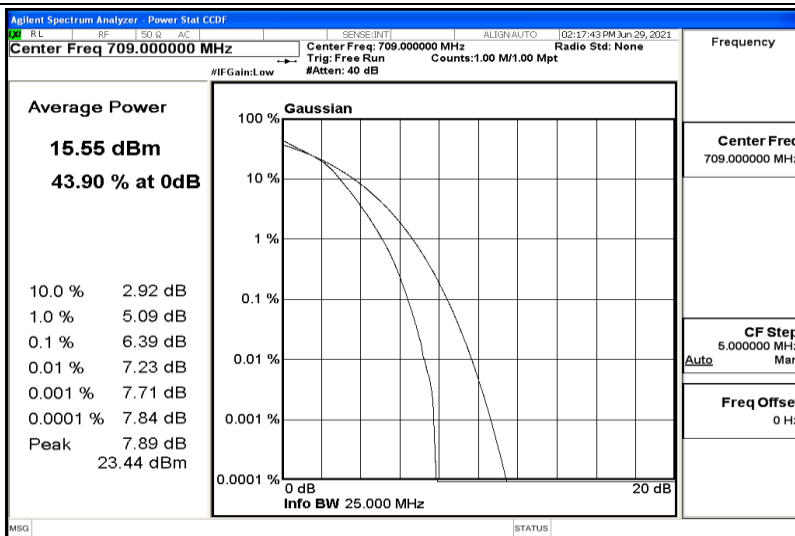
Band17-10MHz-QPSK-23790-50RB#0



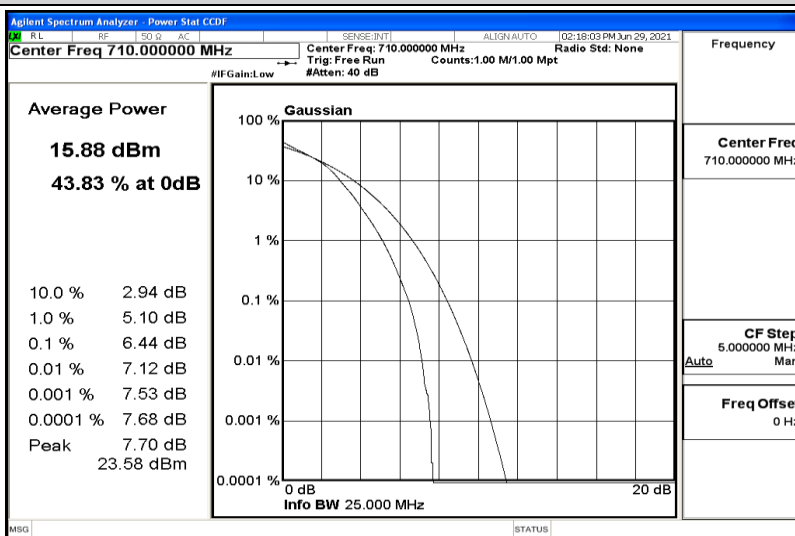
Band17-10MHz-QPSK-23800-50RB#0



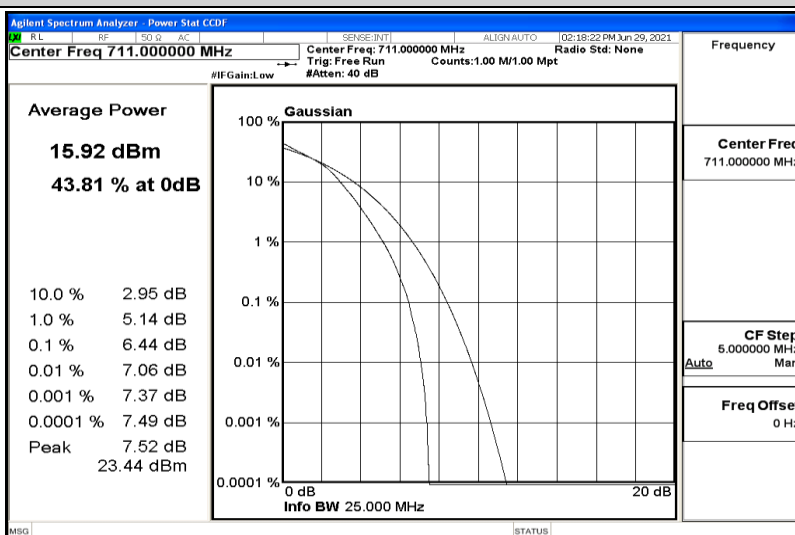
Band17-10MHz-16QAM-23780-50RB#0



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



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





J.3 26dB Bandwidth and Occupied Bandwidth

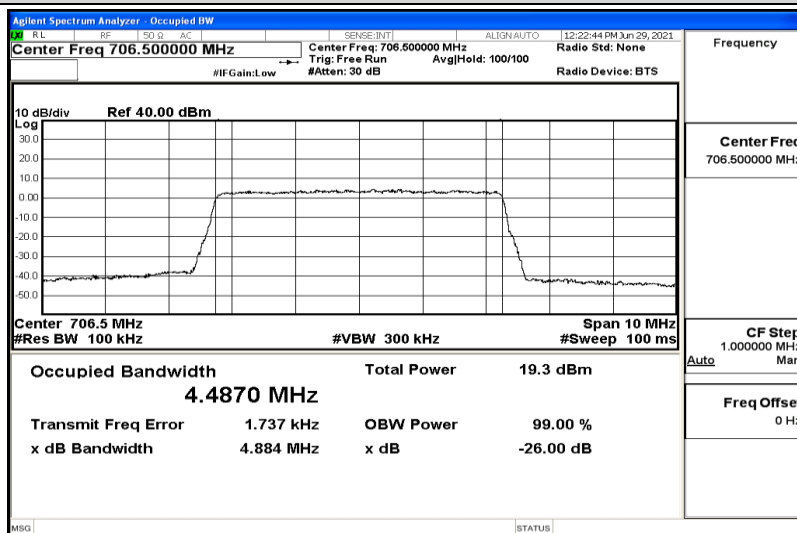
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4870	4.884	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5025	4.888	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5015	4.875	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4920	4.916	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5078	4.868	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5020	4.878	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0000	9.584	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9818	9.564	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0122	9.614	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9728	9.573	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9857	9.570	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9846	9.568	PASS

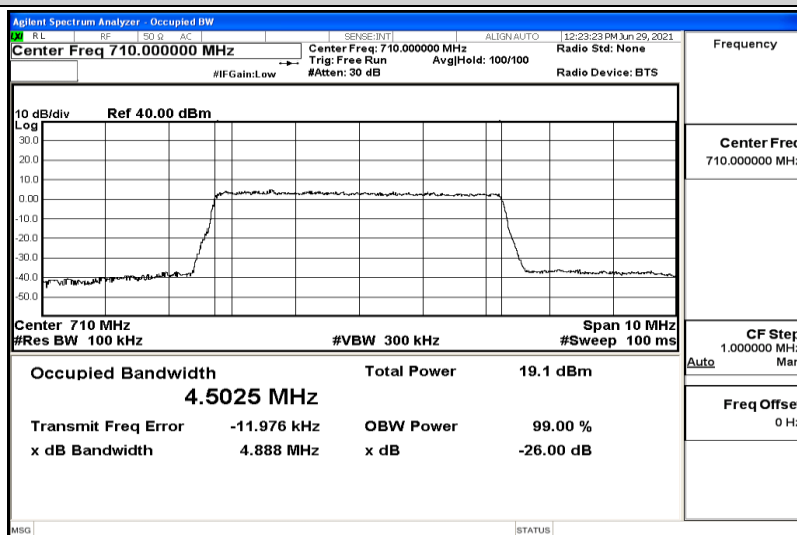


Test Graphs

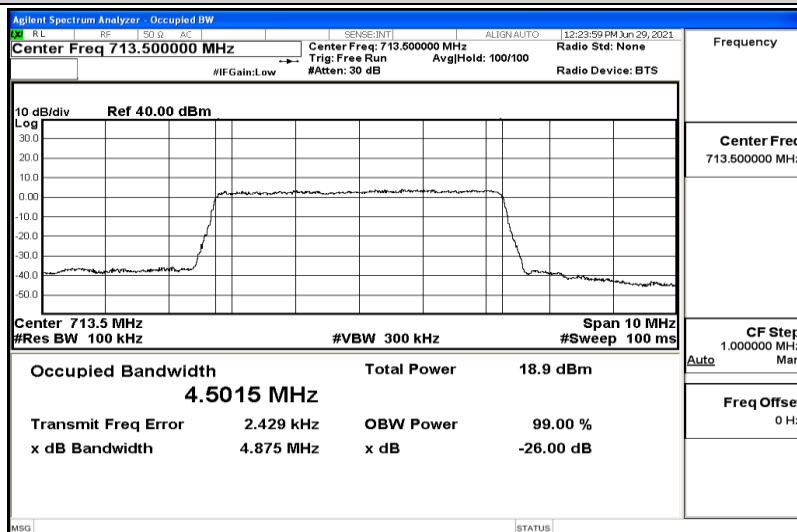
Band17-5MHz-QPSK-23755-25RB#0-4.4870



Band17-5MHz-QPSK-23790-25RB#0-4.5025

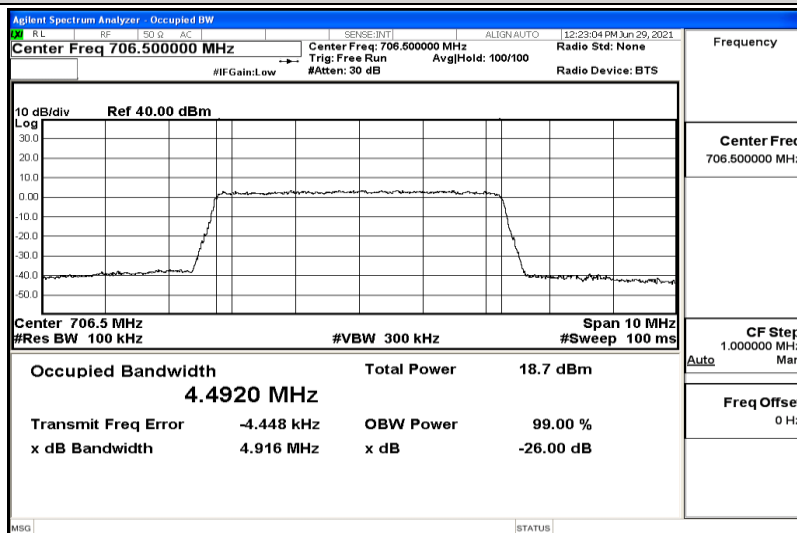


Band17-5MHz-QPSK-23825-25RB#0-4.5015

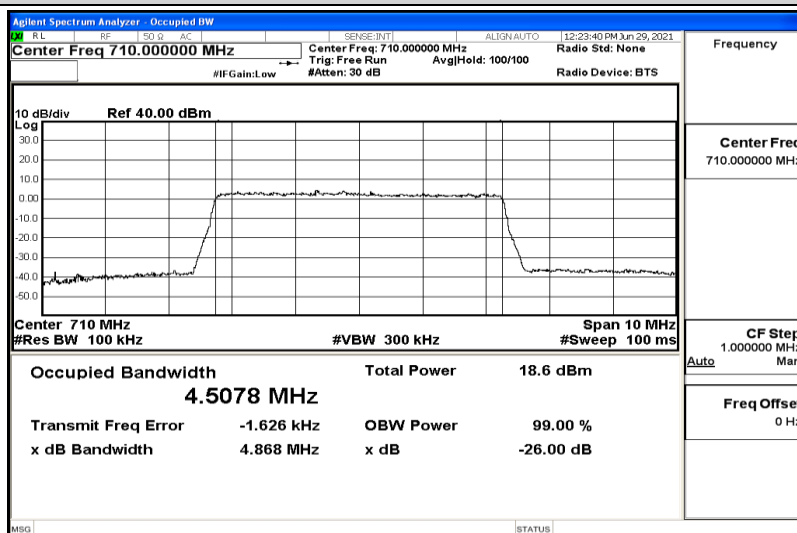




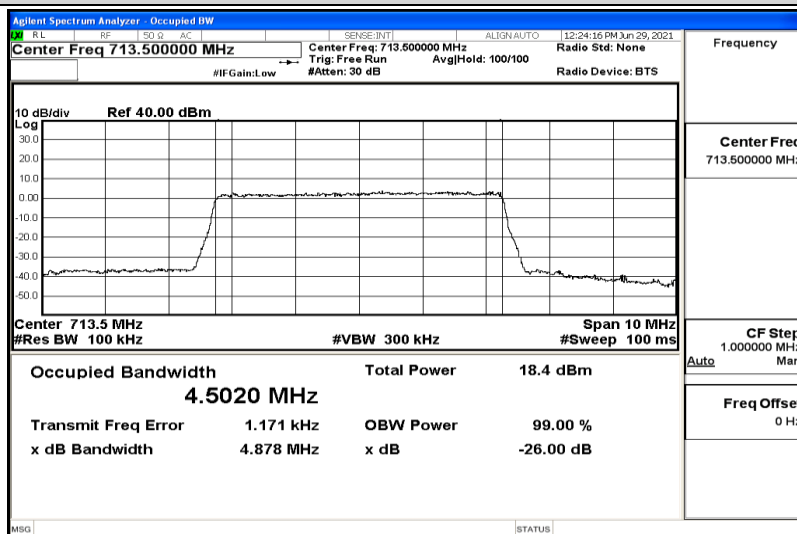
Band17-5MHz-16QAM-23755-25RB#0-4.4920



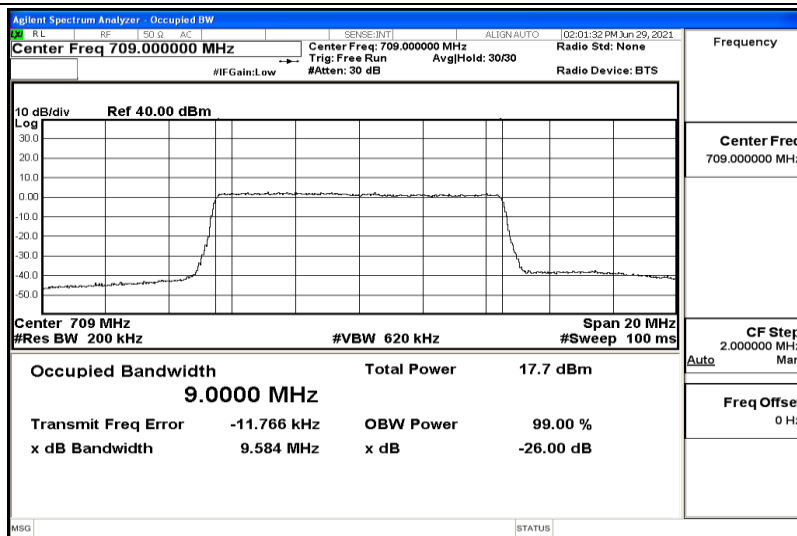
Band17-5MHz-16QAM-23790-25RB#0-4.5078



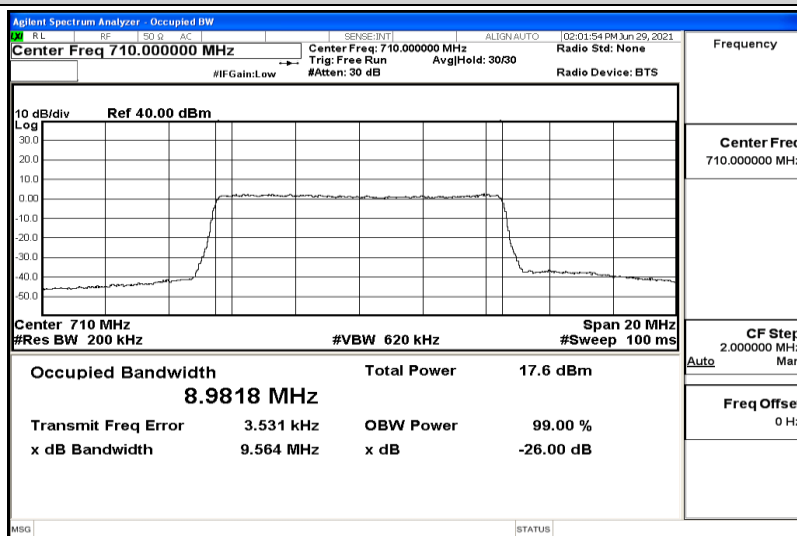
Band17-5MHz-16QAM-23825-25RB#0-4.5020



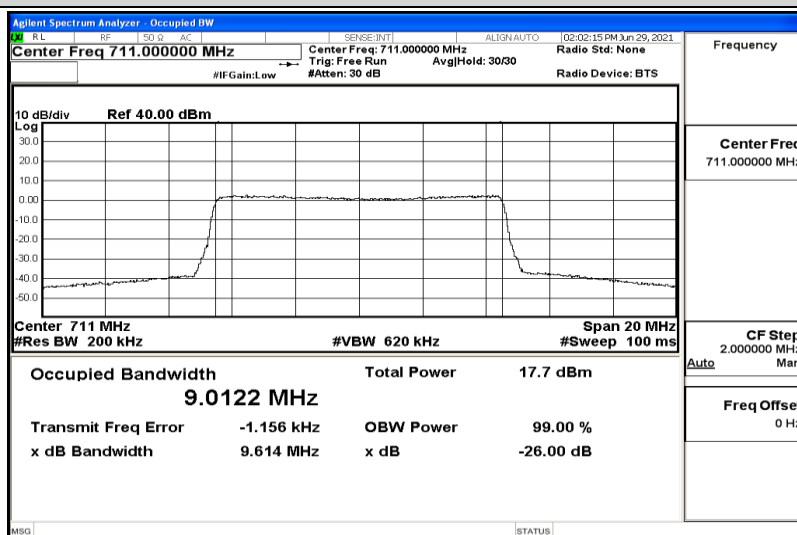
Band17-10MHz-QPSK-23780-50RB#0-9.0000



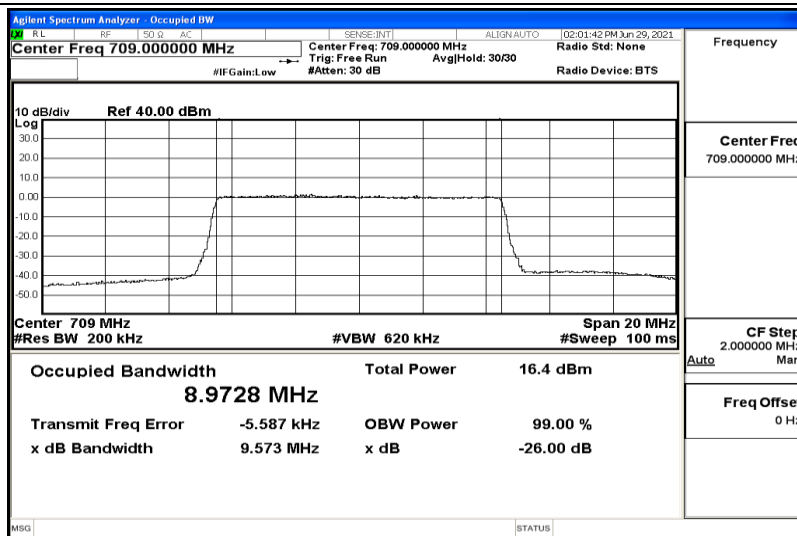
Band17-10MHz-QPSK-23790-50RB#0-8.9818



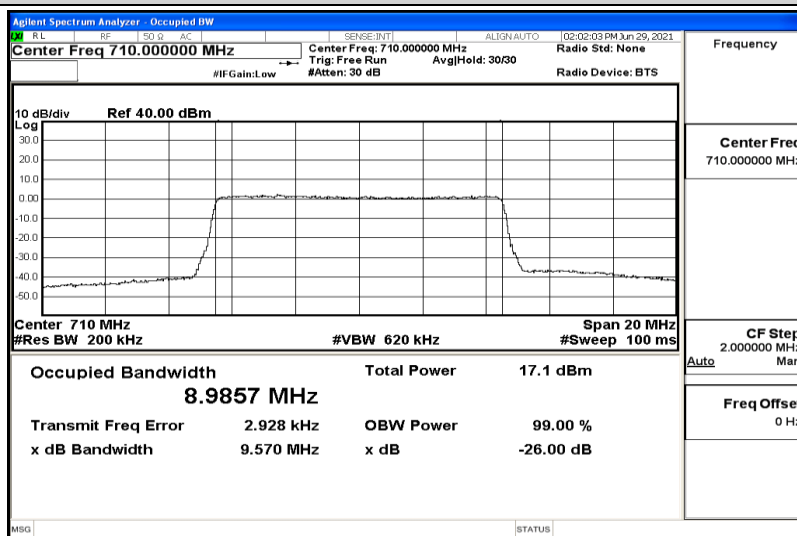
Band17-10MHz-QPSK-23800-50RB#0-9.0122



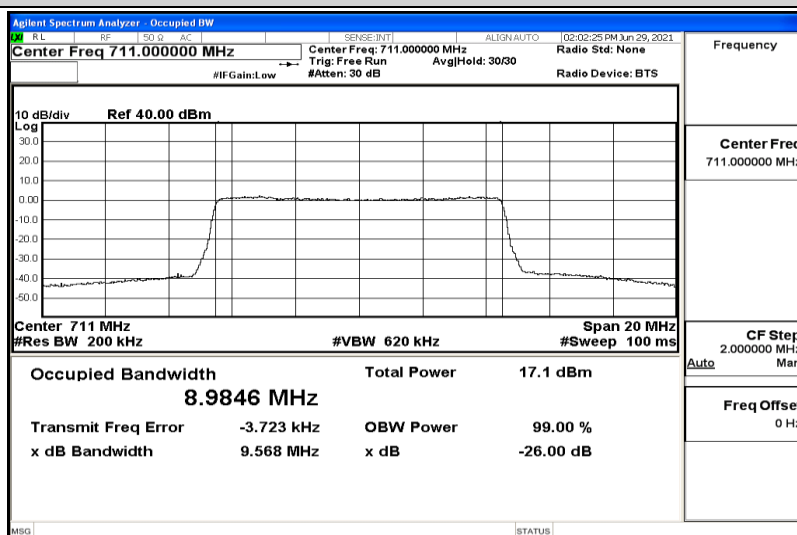
Band17-10MHz-16QAM-23780-50RB#0-8.9728



Band17-10MHz-16QAM-23790-50RB#0-8.9857



Band17-10MHz-16QAM-23800-50RB#0-8.9846



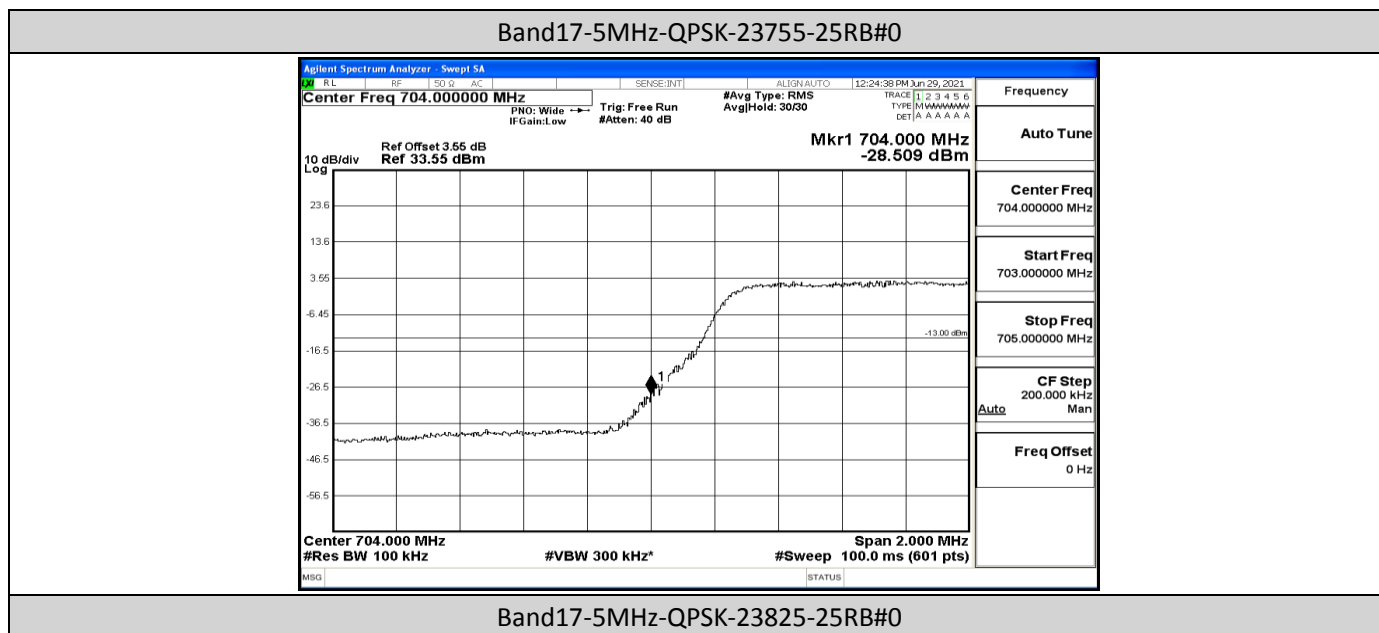


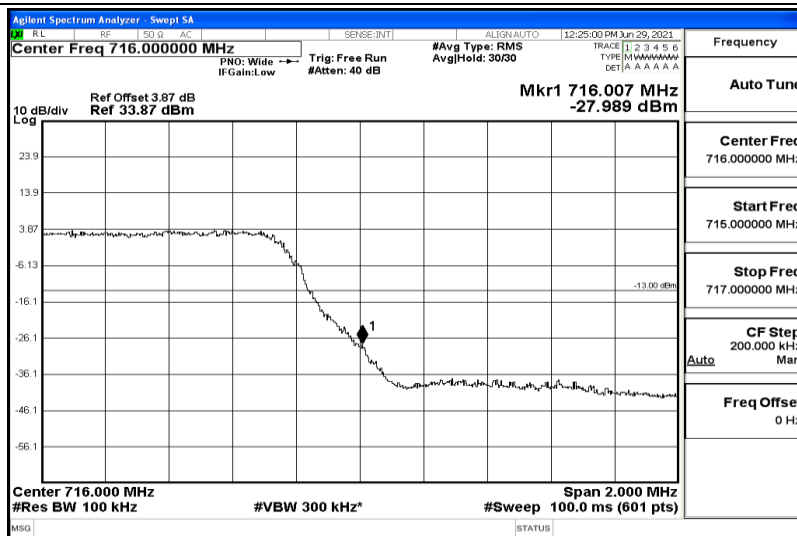
J.4 Band Edge

Test Result

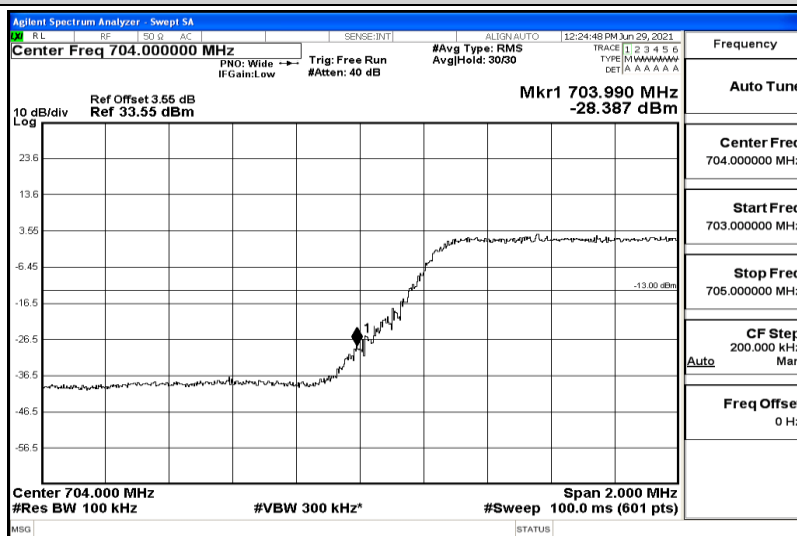
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-28.51	PASS
Band17	5MHz	QPSK	23825	25RB#0	-27.99	PASS
Band17	5MHz	16QAM	23755	25RB#0	-28.39	PASS
Band17	5MHz	16QAM	23825	25RB#0	-28.94	PASS
Band17	10MHz	QPSK	23780	50RB#0	-32.65	PASS
Band17	10MHz	QPSK	23800	50RB#0	-31.26	PASS
Band17	10MHz	16QAM	23780	50RB#0	-32.59	PASS
Band17	10MHz	16QAM	23800	50RB#0	-31.32	PASS

Test Graphs

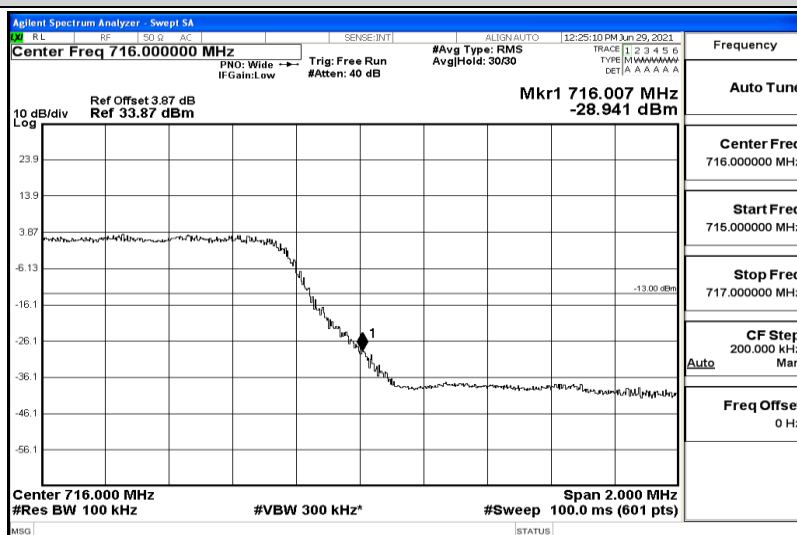




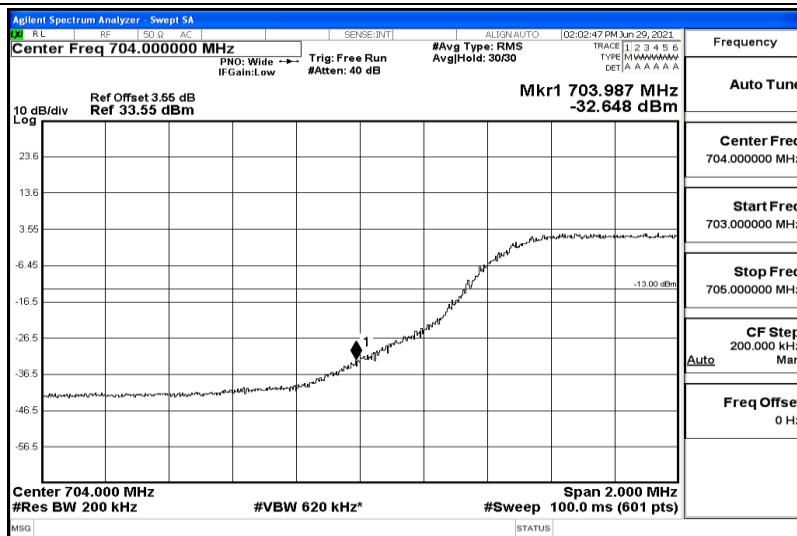
Band17-5MHz-16QAM-23755-25RB#0



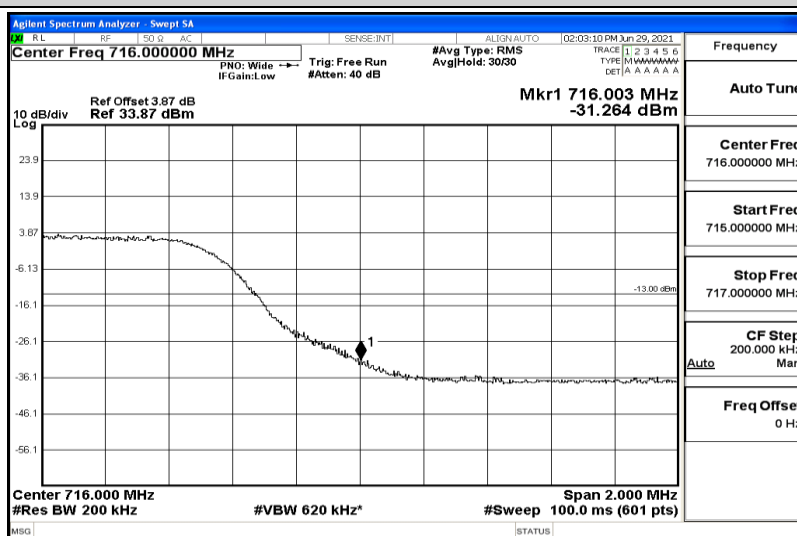
Band17-5MHz-16QAM-23825-25RB#0



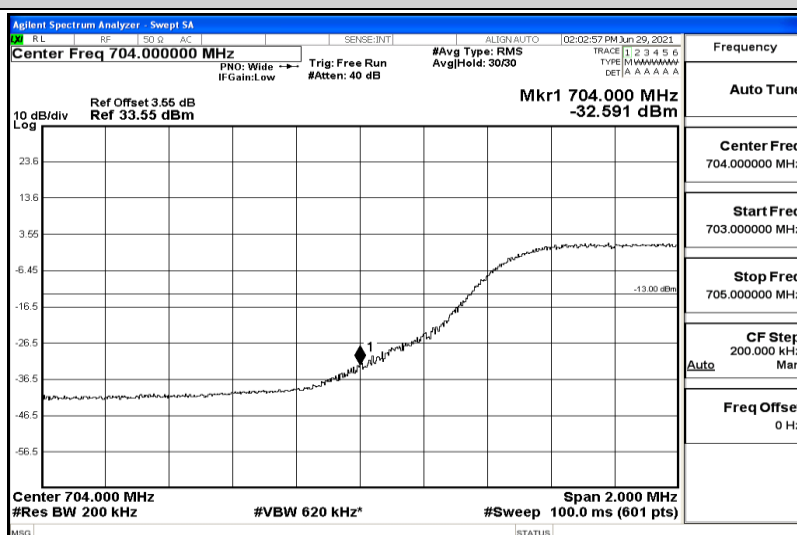
Band17-10MHz-QPSK-23780-50RB#0



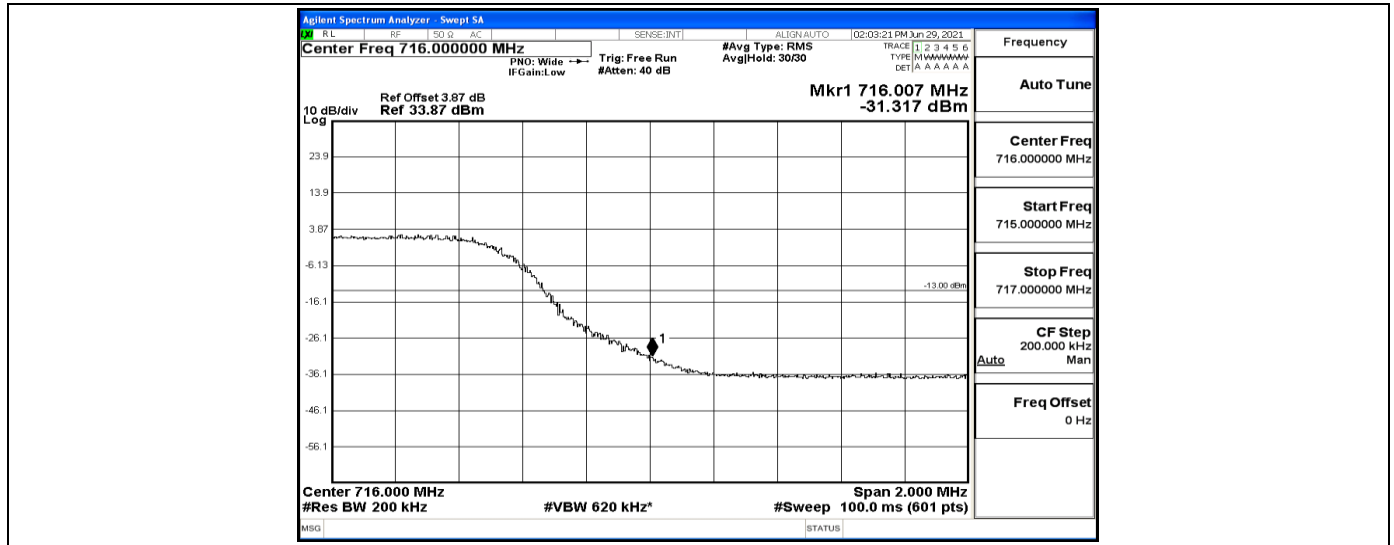
Band17-10MHz-QPSK-23800-50RB#0



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



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





J.5 Conducted Spurious Emission

Test Result

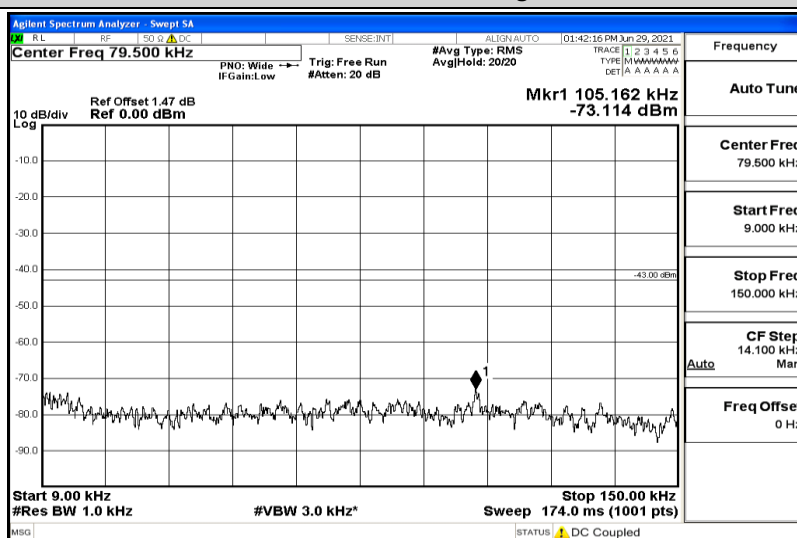
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	-73.11	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-59.66	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-43.28	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	-40.4	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-73.57	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-62.29	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-43.12	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-39.74	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	-72.29	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-69.18	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-43.21	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	-41.05	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	-71.45	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-69.94	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-43.66	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	-41.36	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-72.06	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-63.15	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-43.07	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-41.3	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	-71.59	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-58.6	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-42.98	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	-41.75	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	-72.05	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-65.16	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-44.01	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	-40.22	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-73.21	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-62.11	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-43.43	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-40.32	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	-73.43	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-57.53	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-43.33	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	-40.01	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	-70.37	PASS



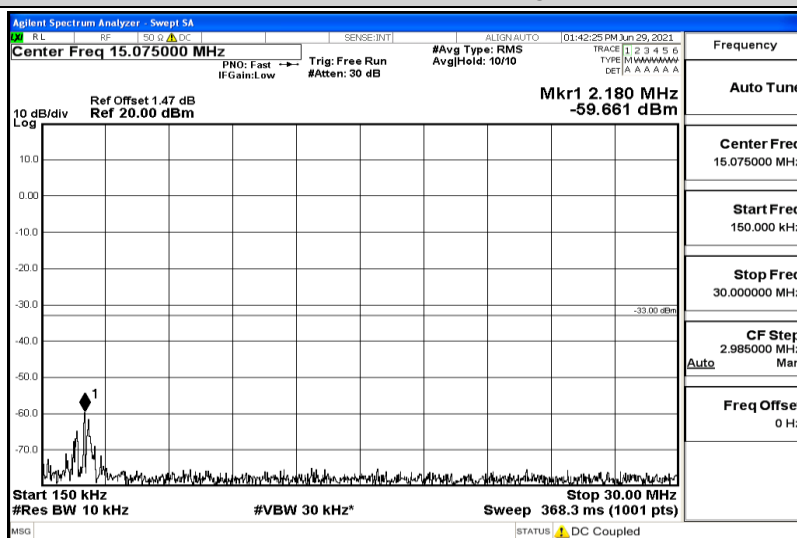
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-62.02	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	-43.74	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	-41.81	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-74.05	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-67.09	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-43.59	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-41.49	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	-73.47	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-58.48	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-43.73	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	-41.06	PASS

Test Graphs

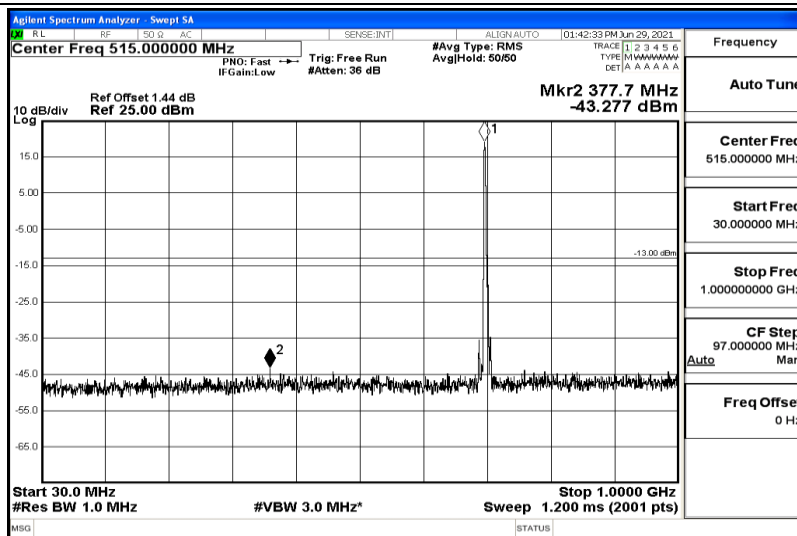
Band17-5MHz-QPSK-23755-1RB#0-Range1:0.009~0.15MHz



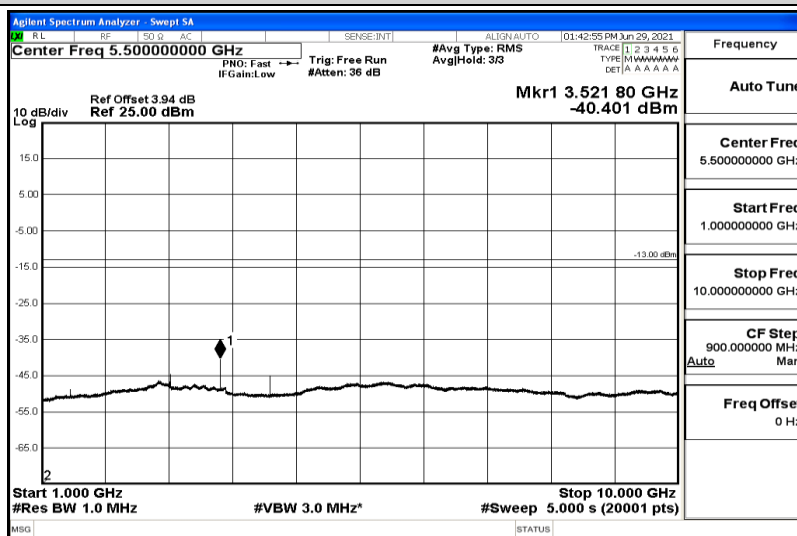
Band17-5MHz-QPSK-23755-1RB#0-Range2:0.15~30MHz



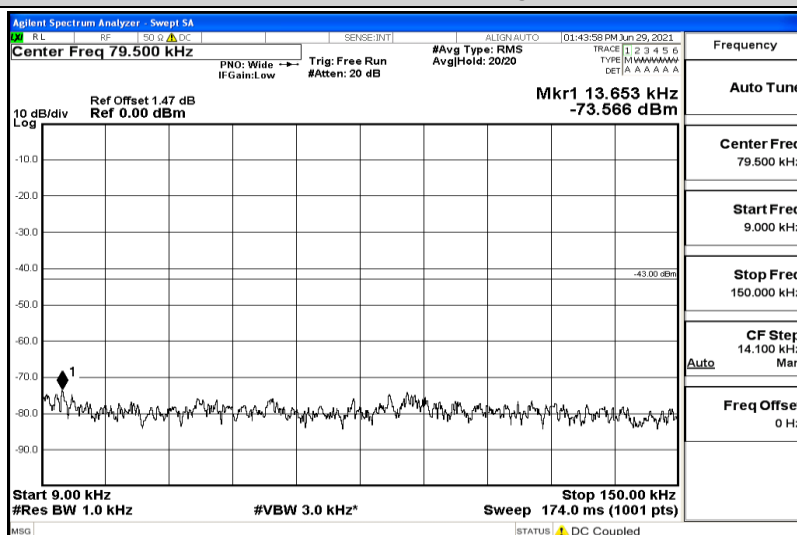
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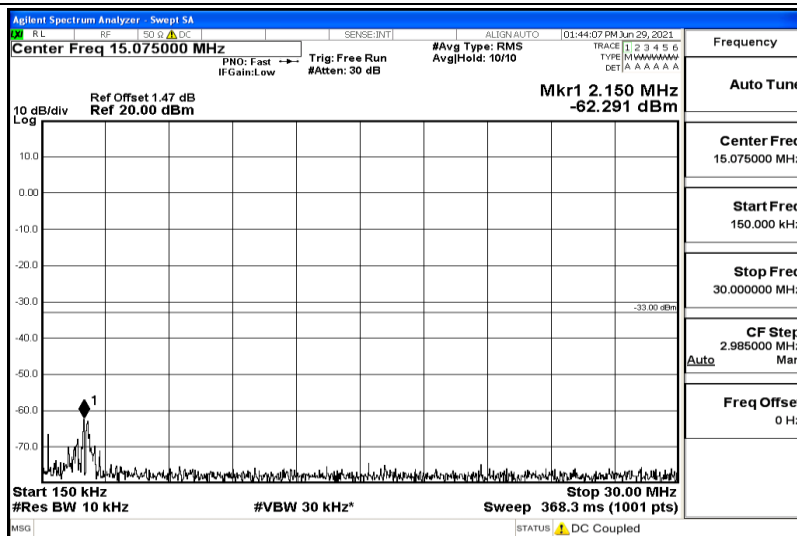
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



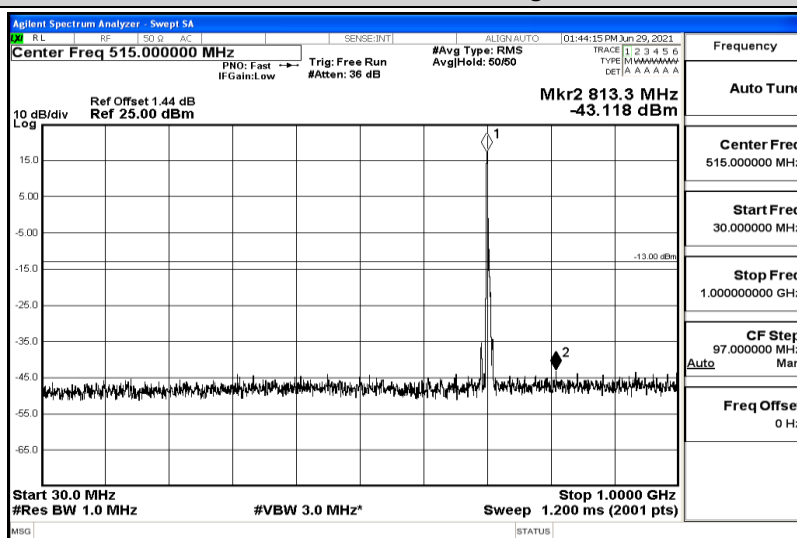
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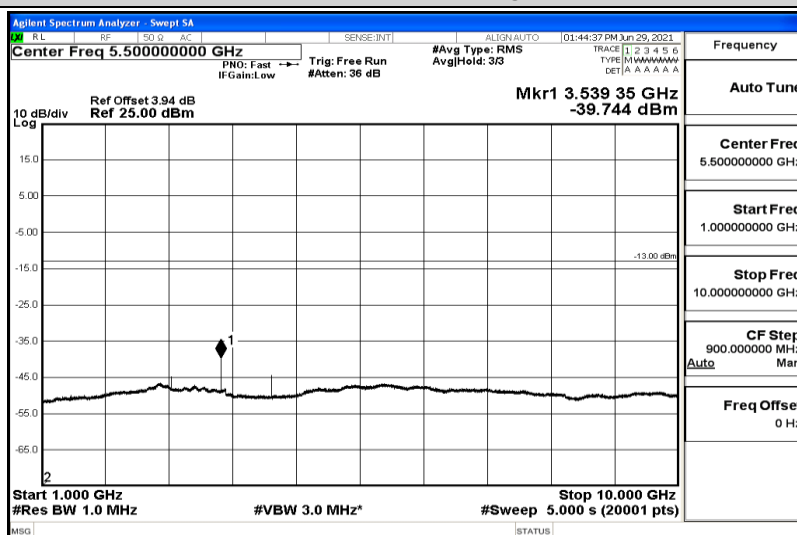
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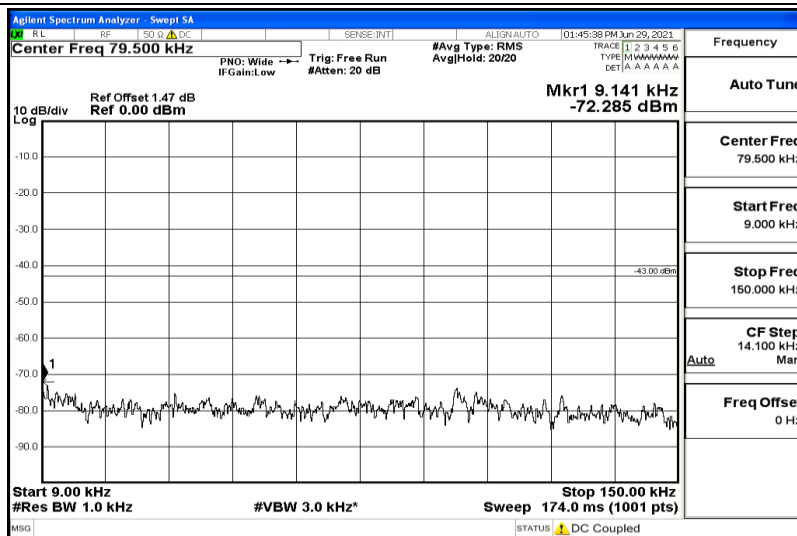
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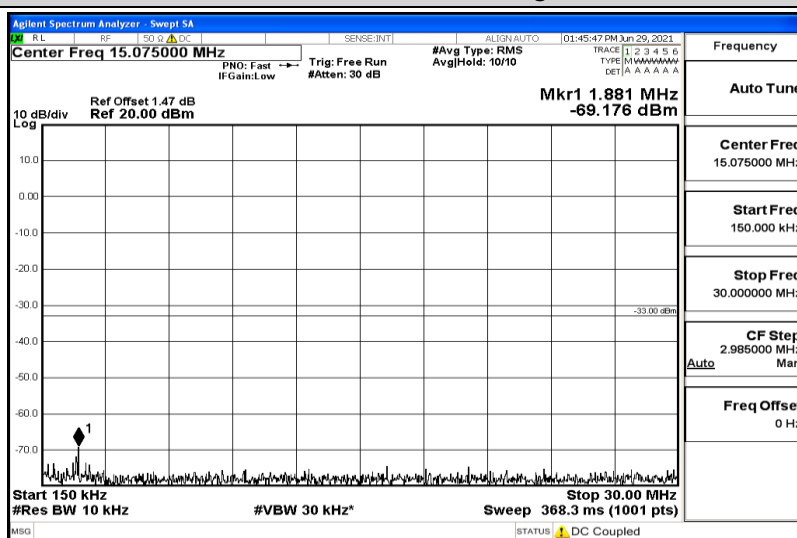
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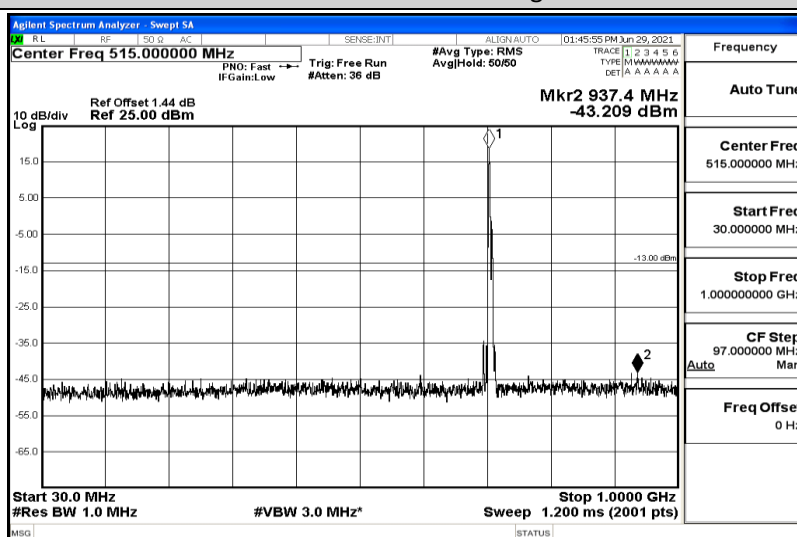
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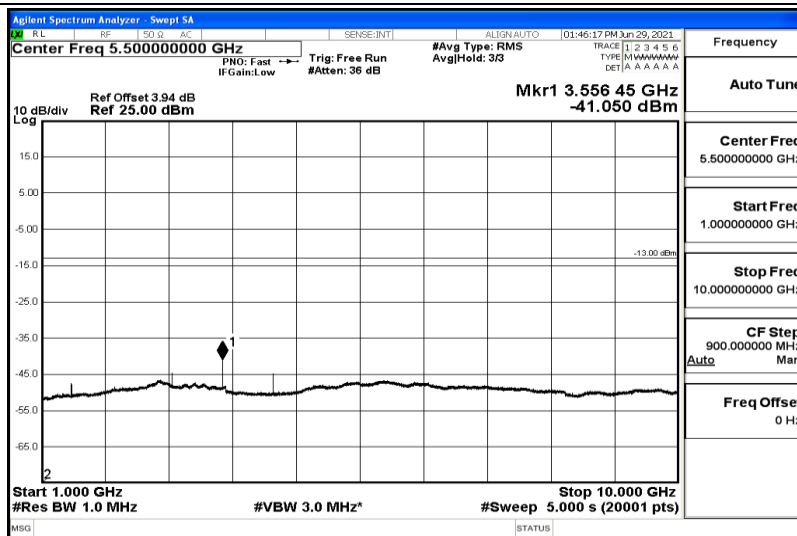
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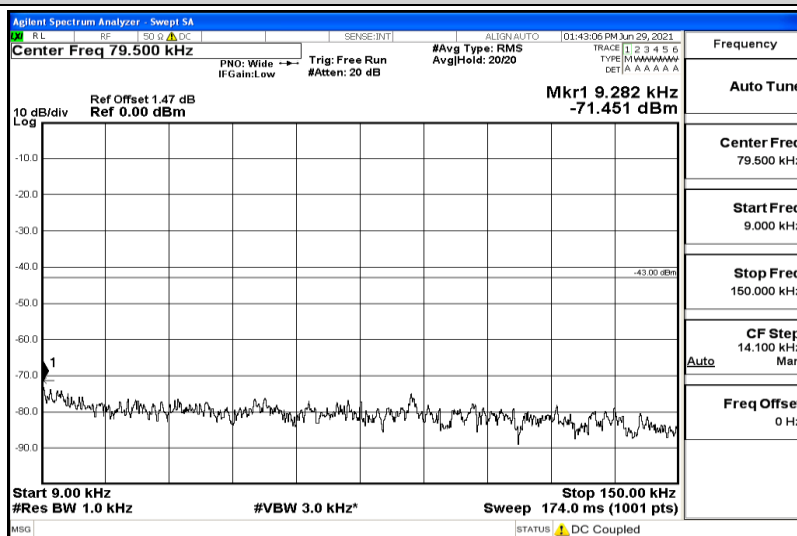
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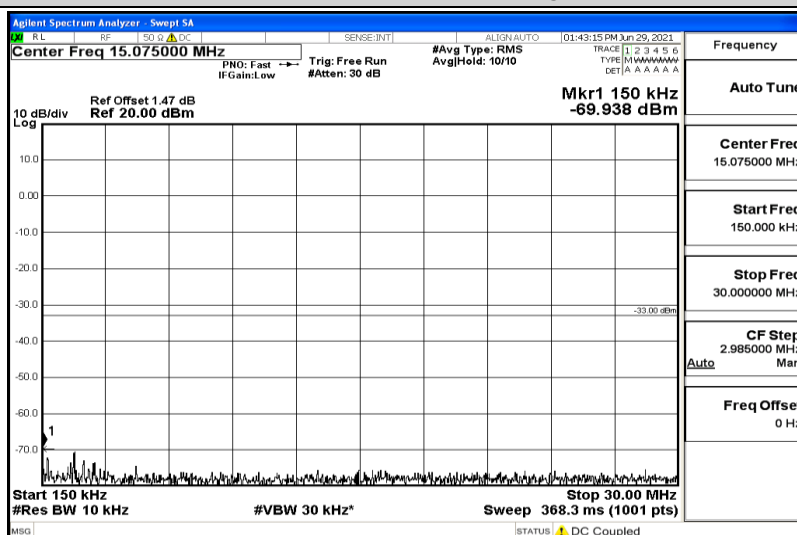
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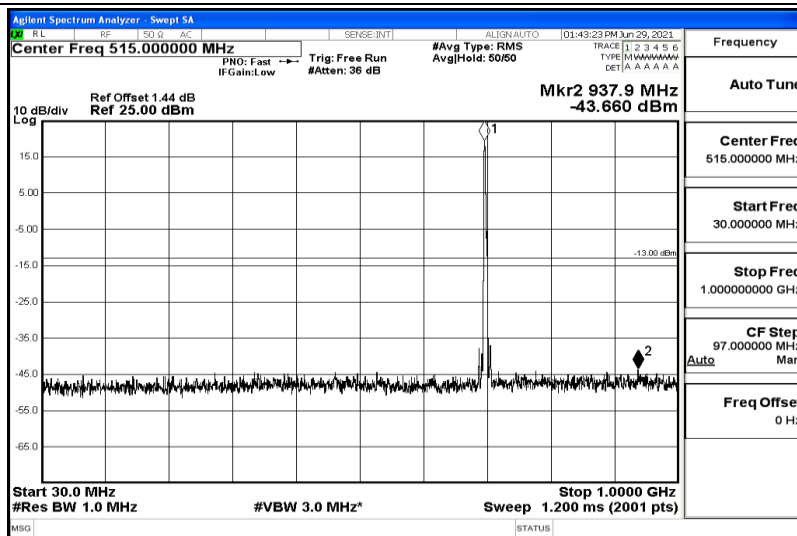
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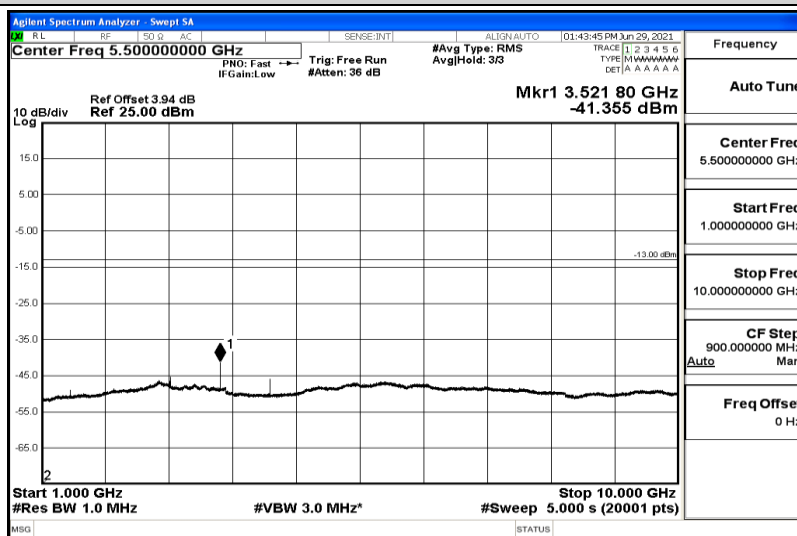
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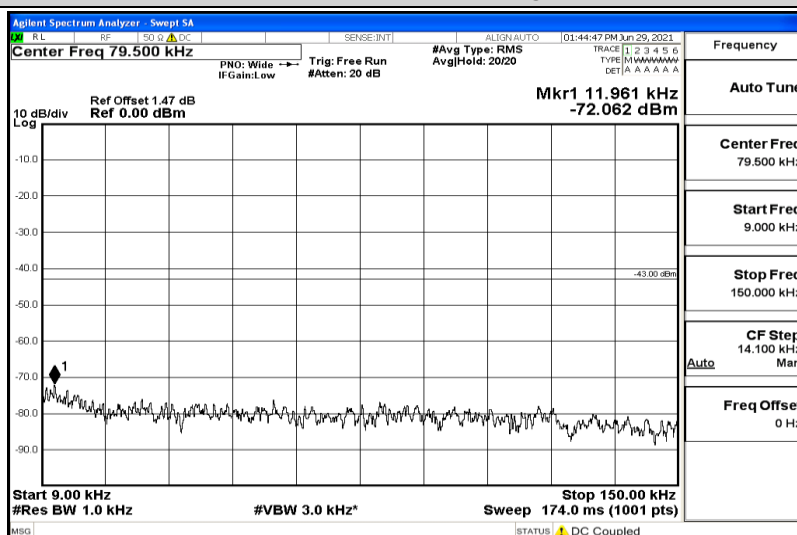
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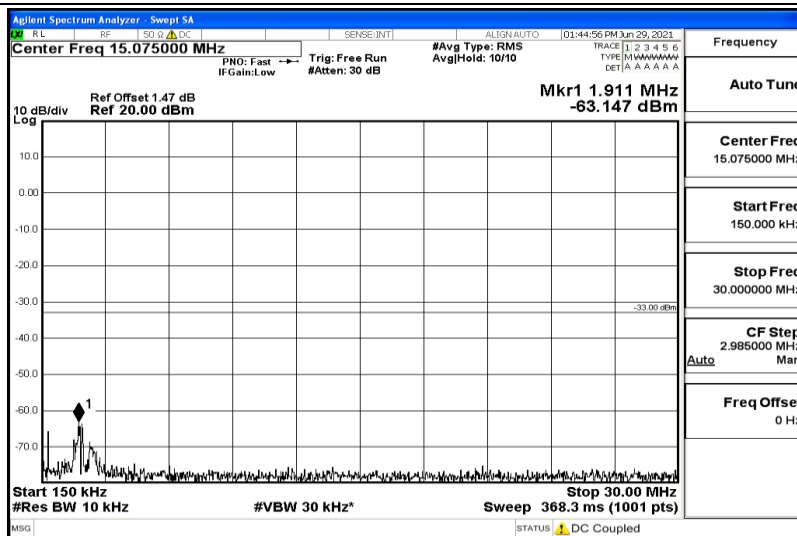
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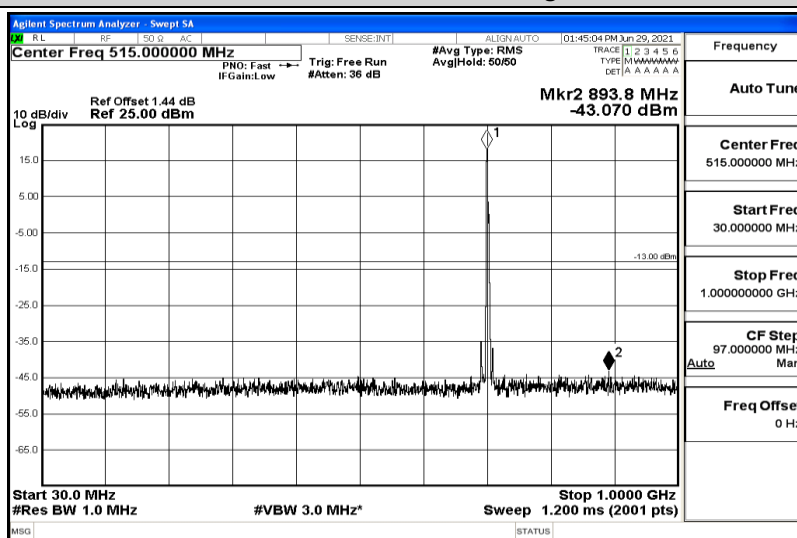
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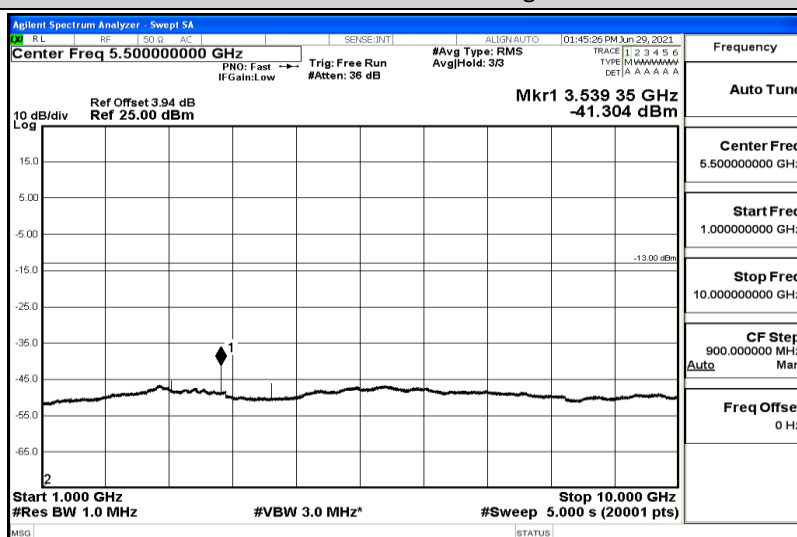
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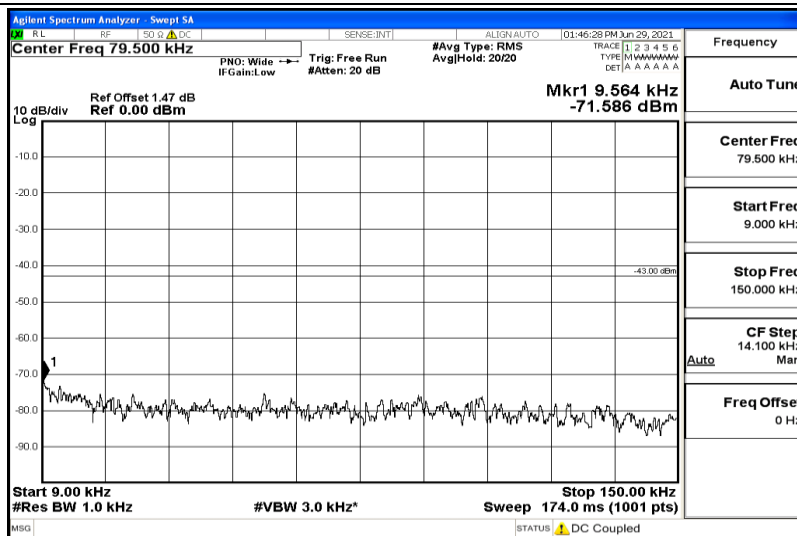
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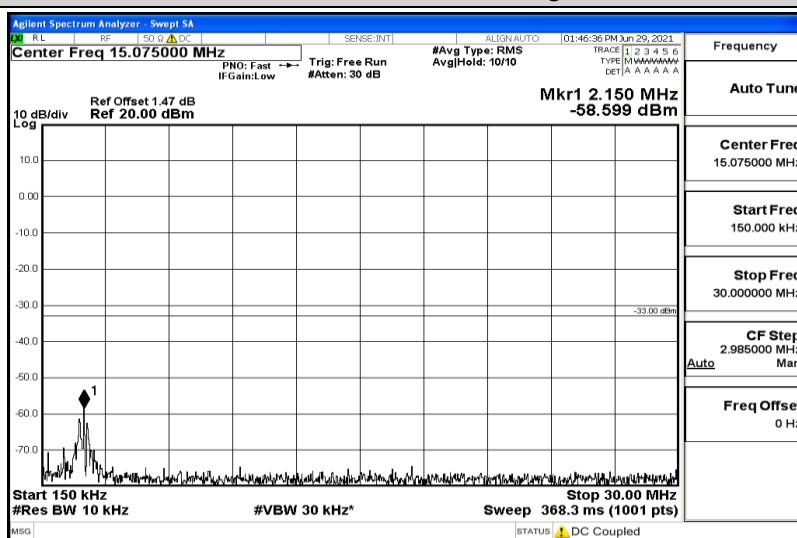
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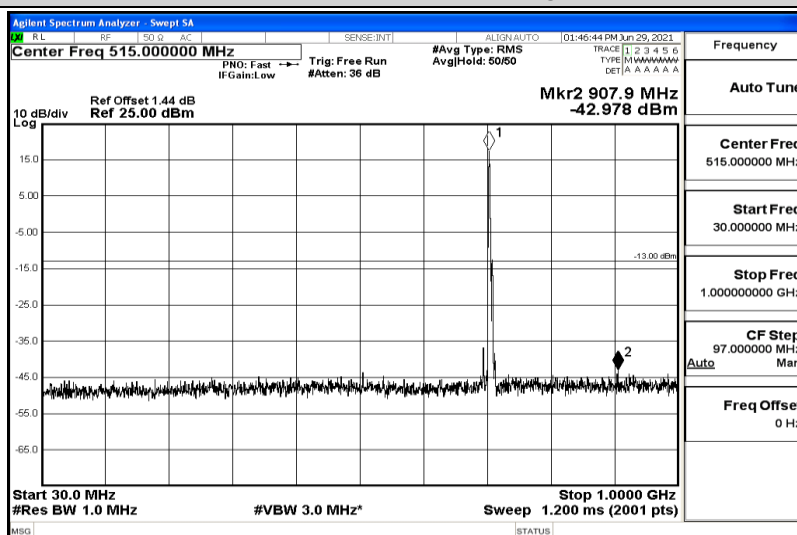
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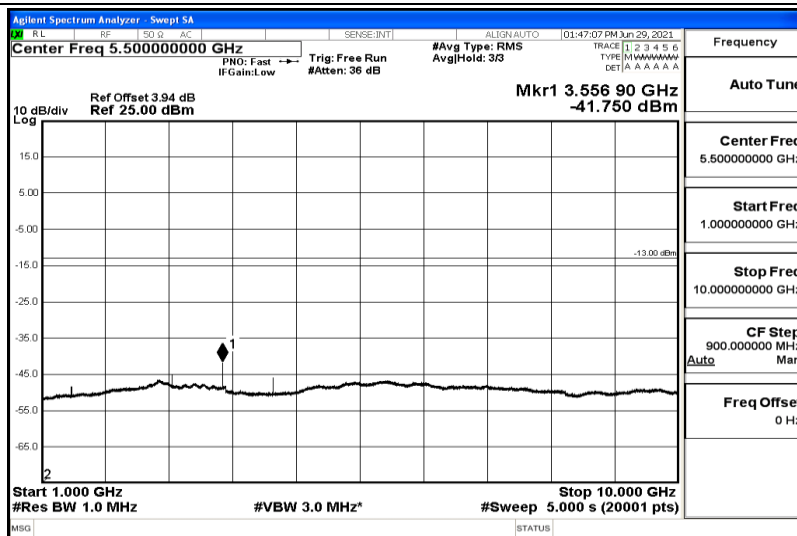
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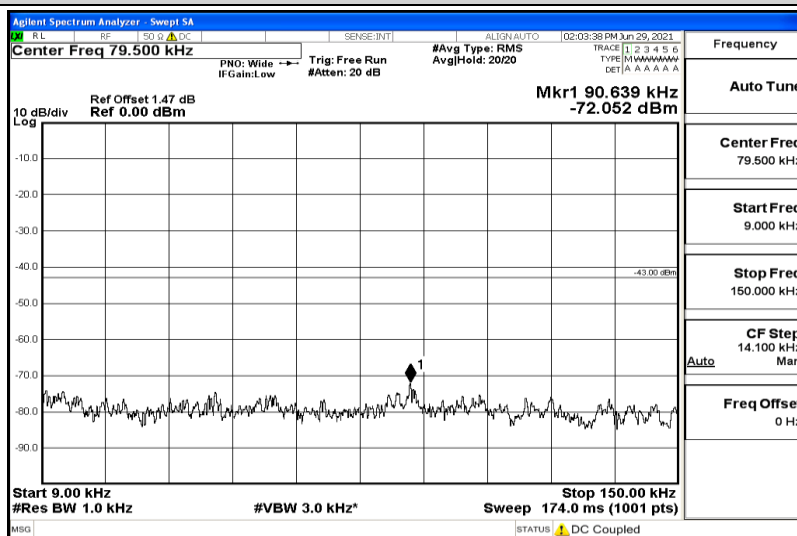
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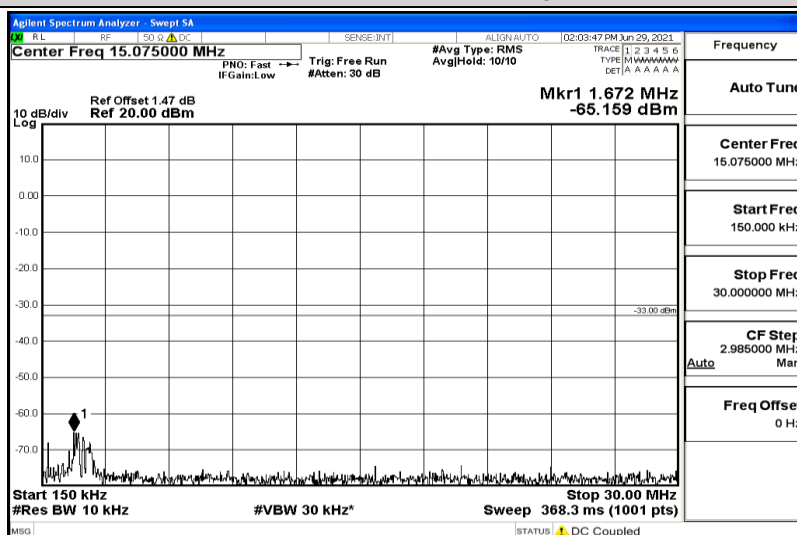
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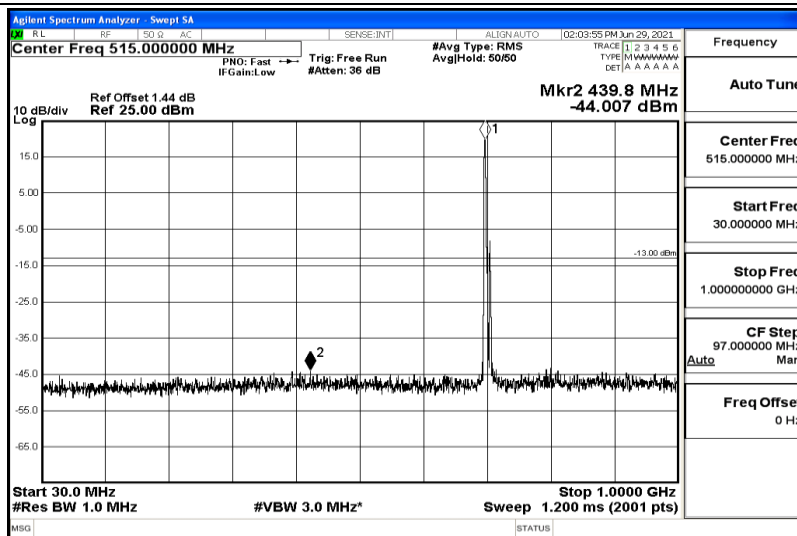
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



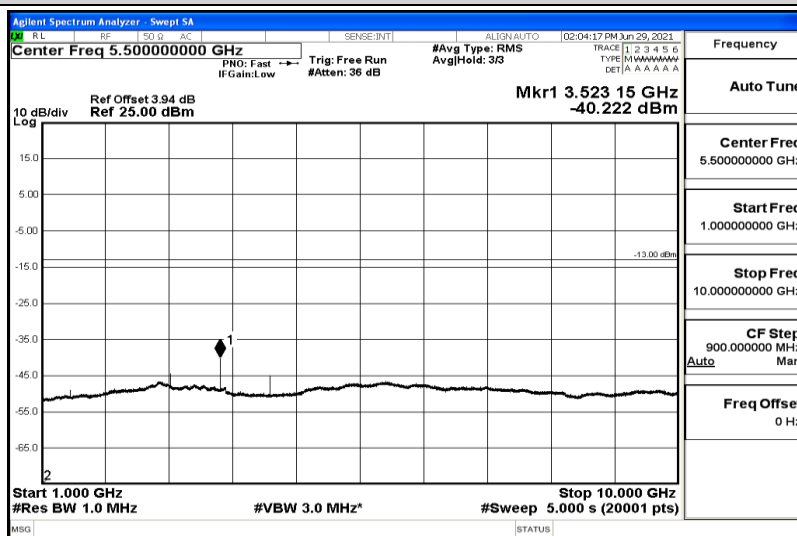
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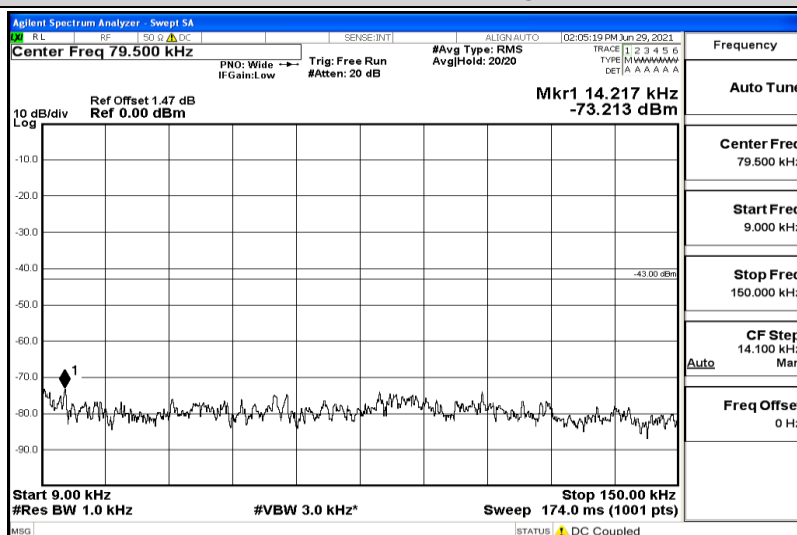
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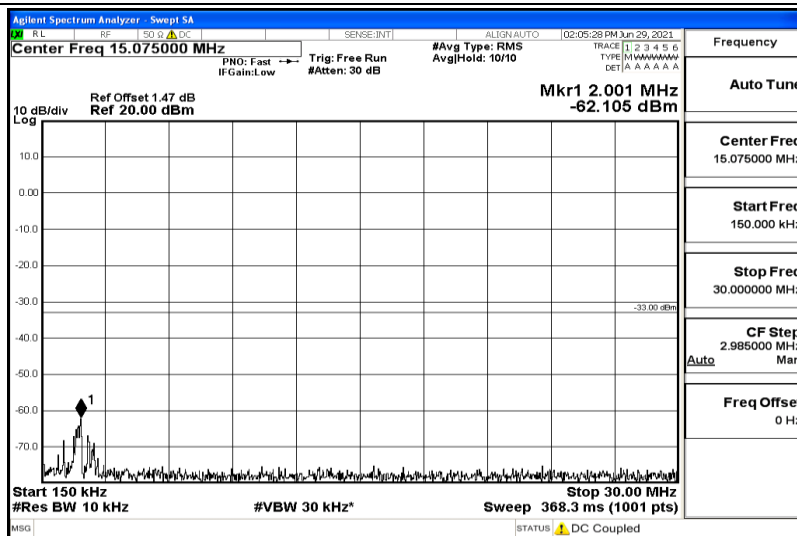
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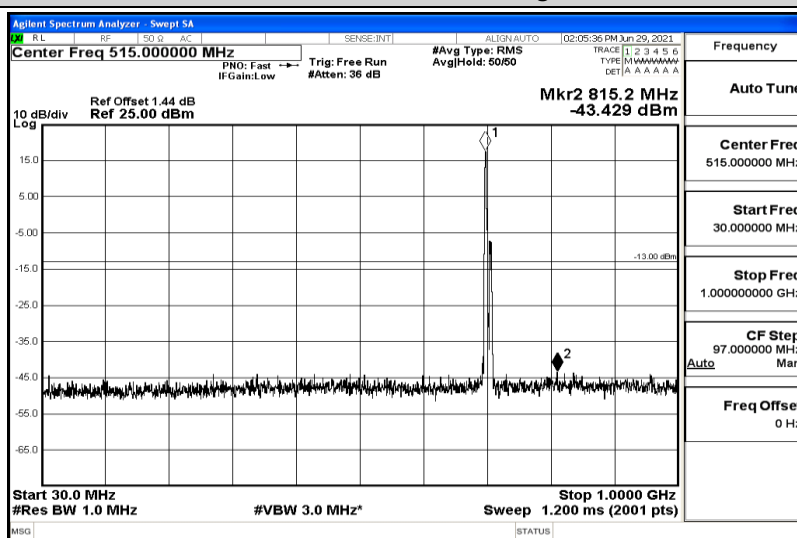
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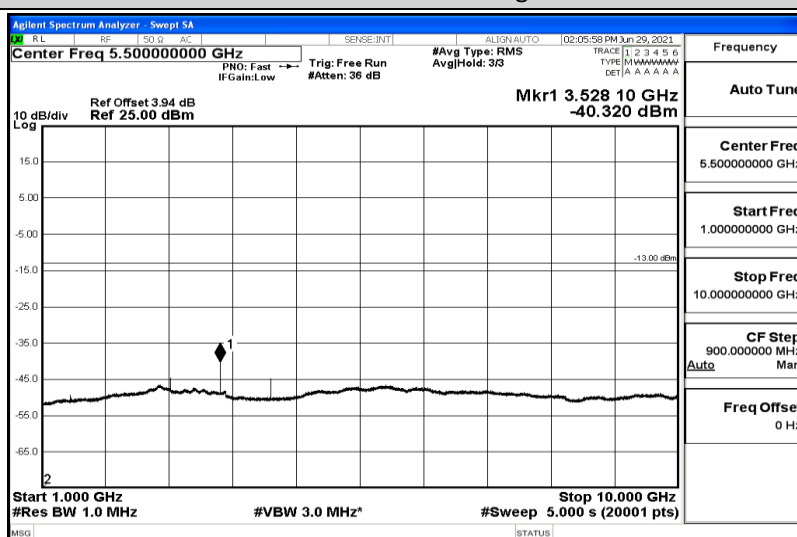
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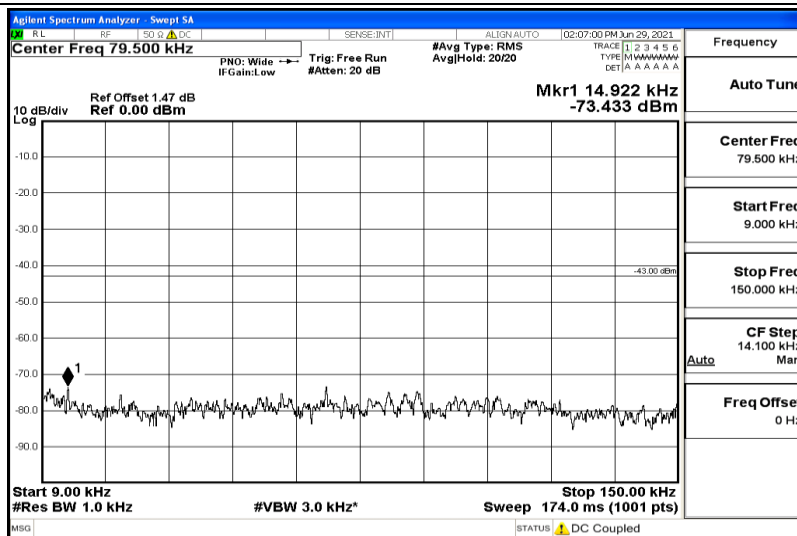
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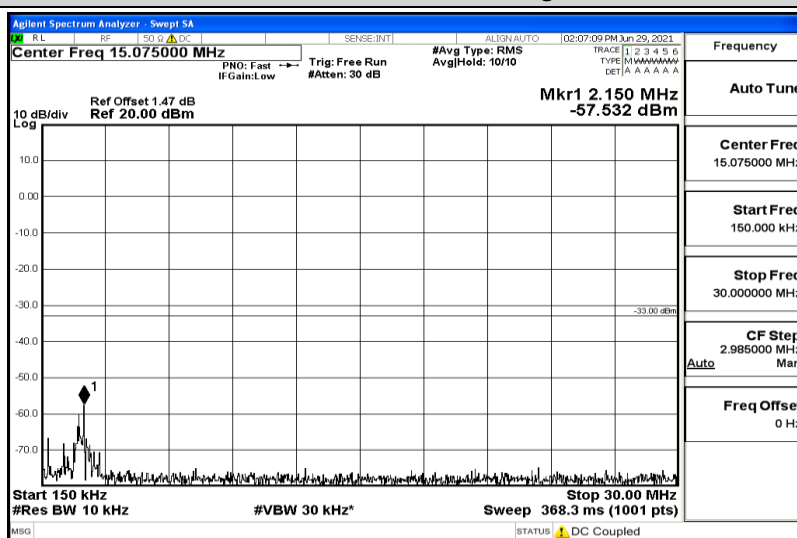
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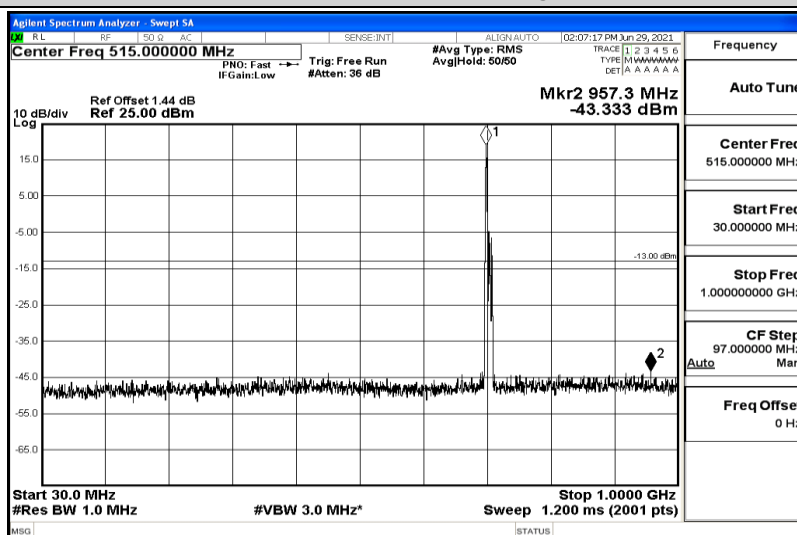
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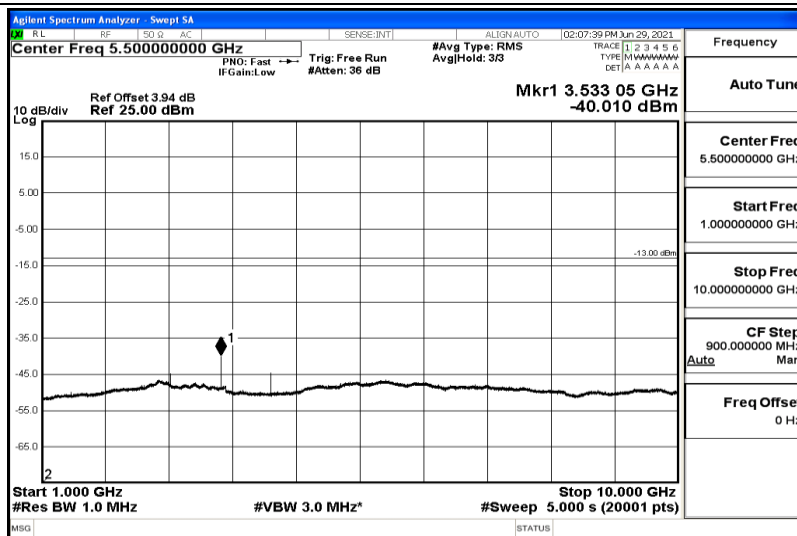
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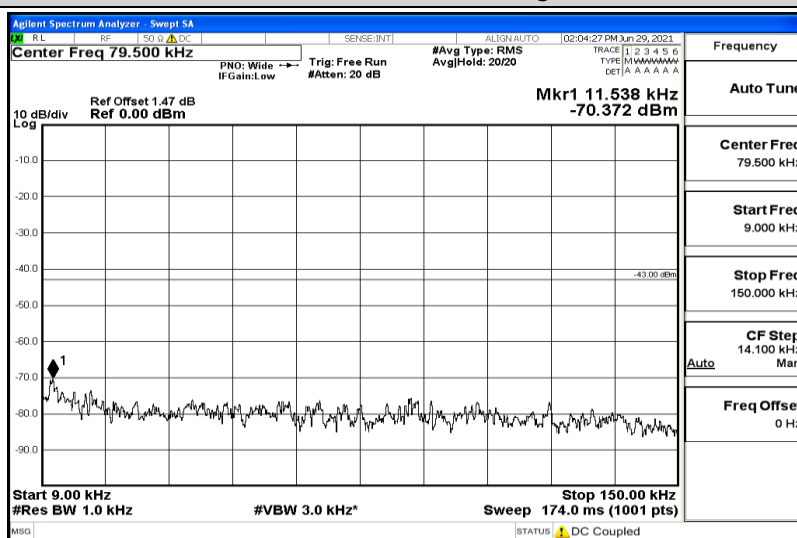
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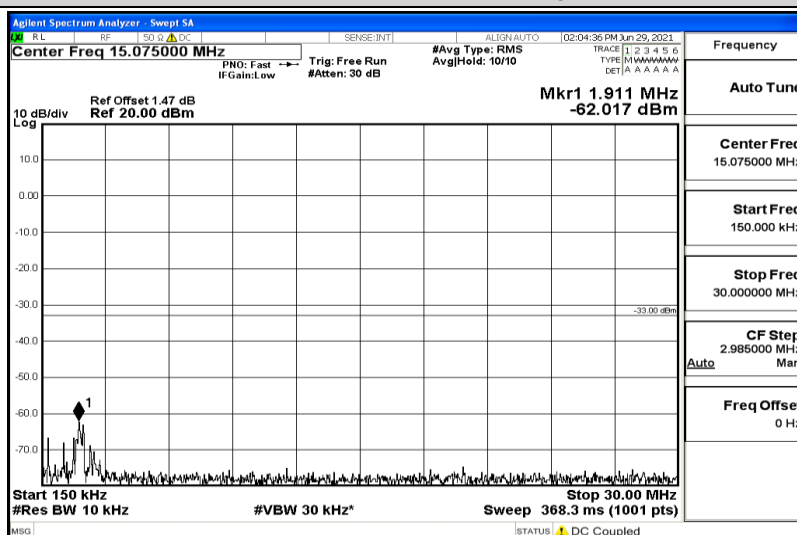
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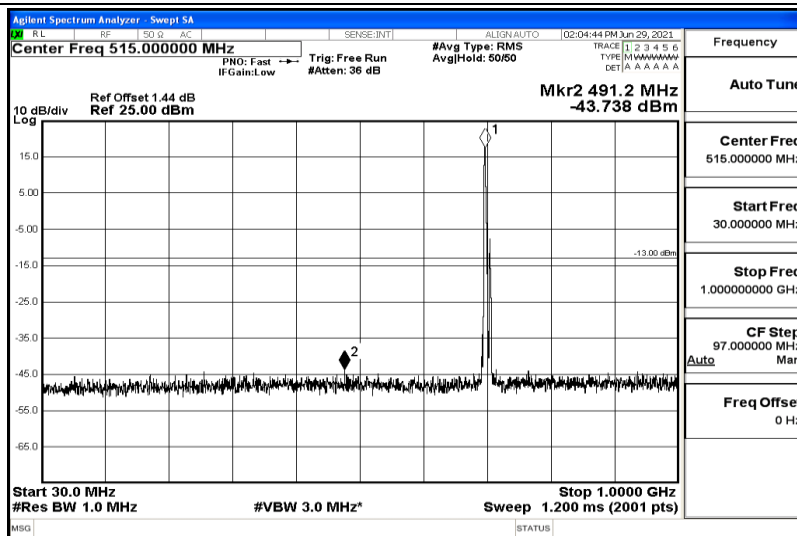
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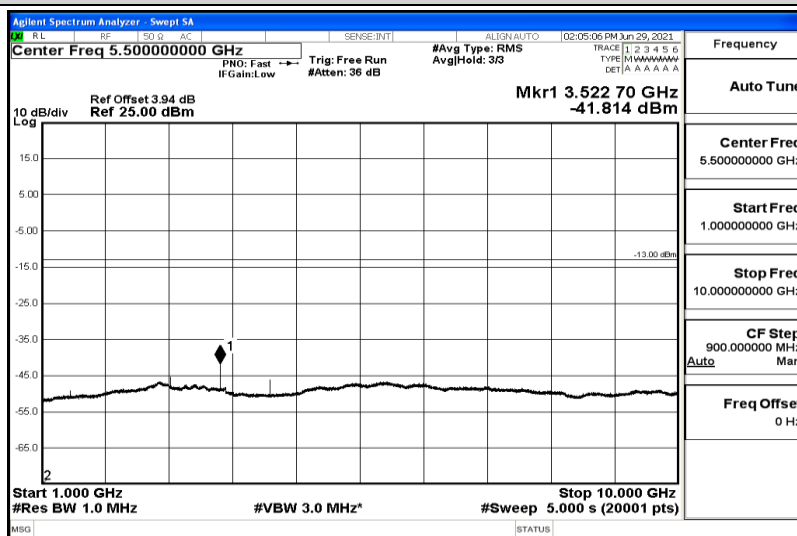
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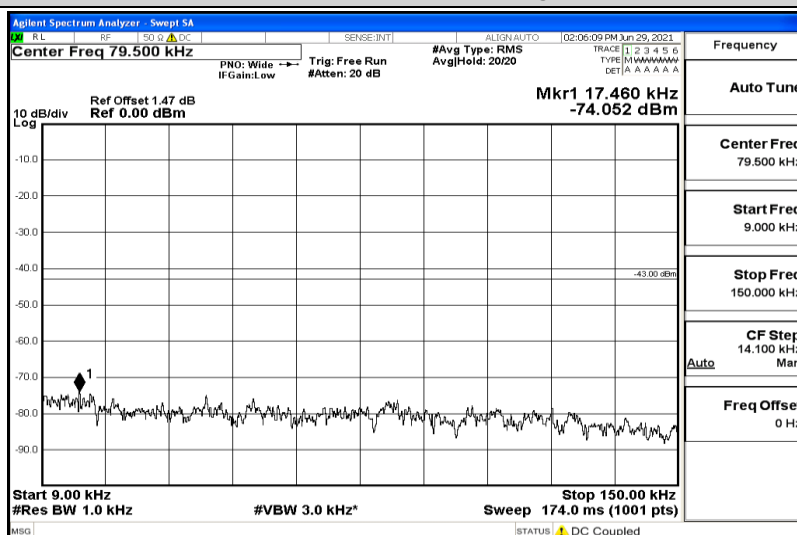
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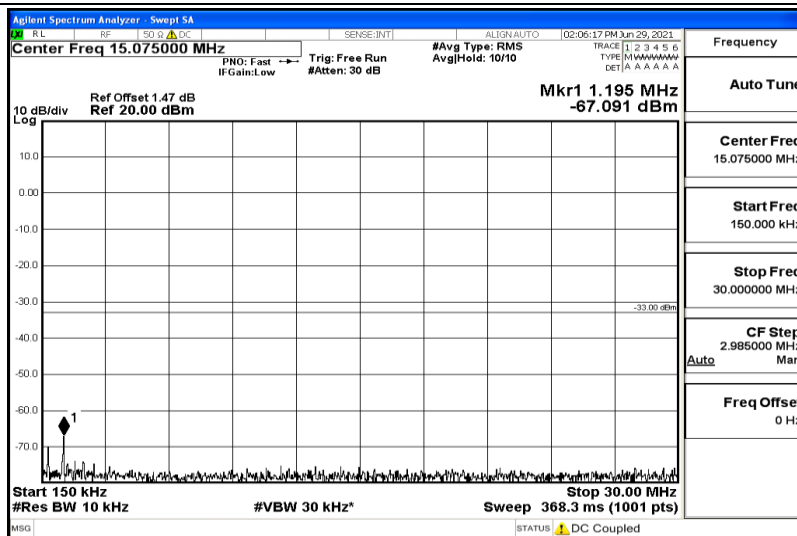
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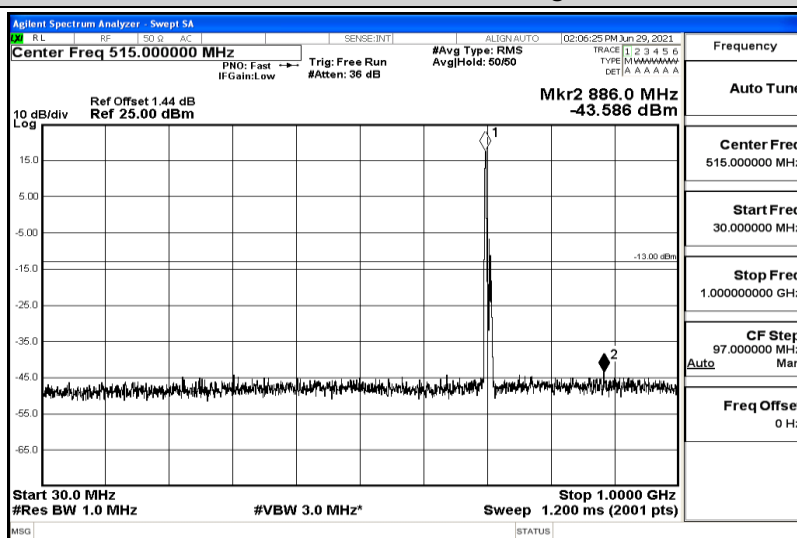
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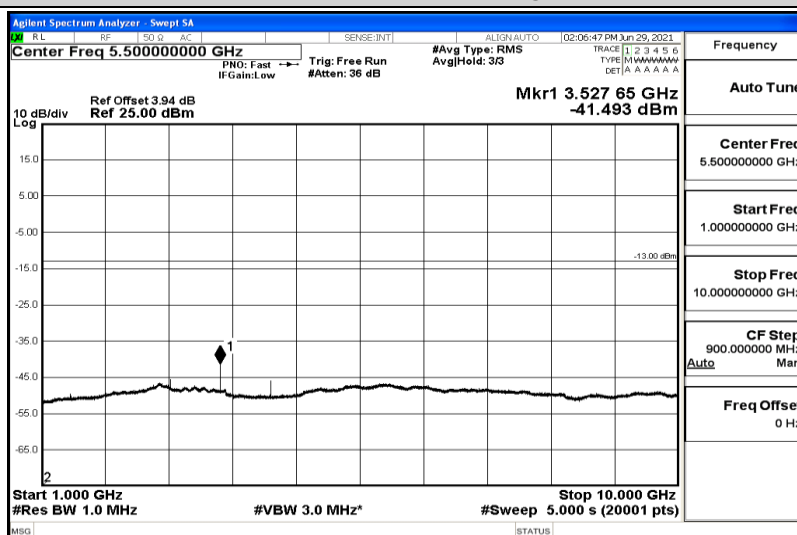
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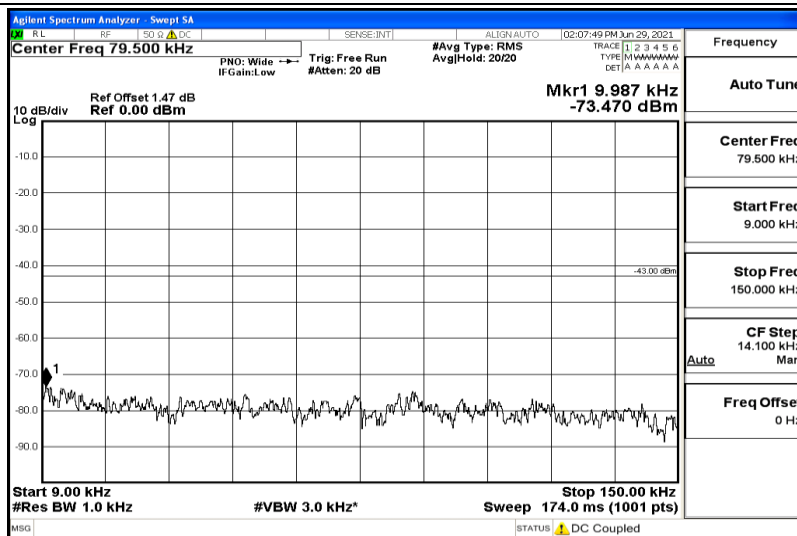
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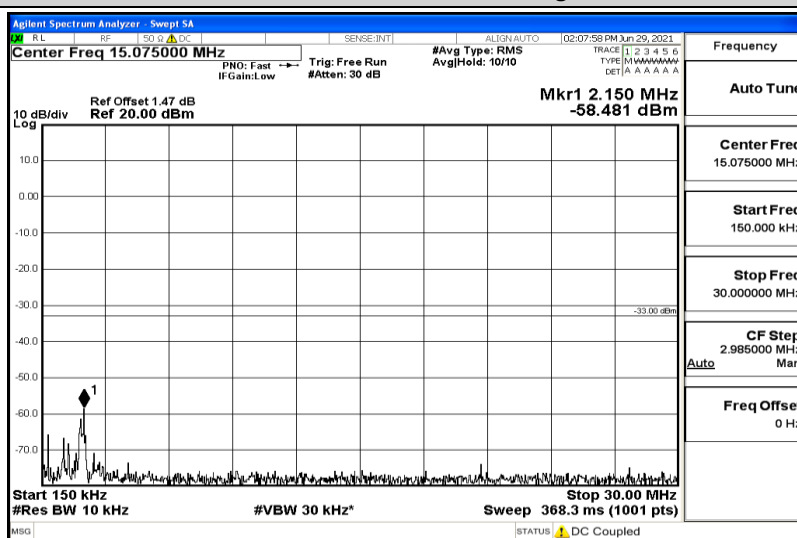
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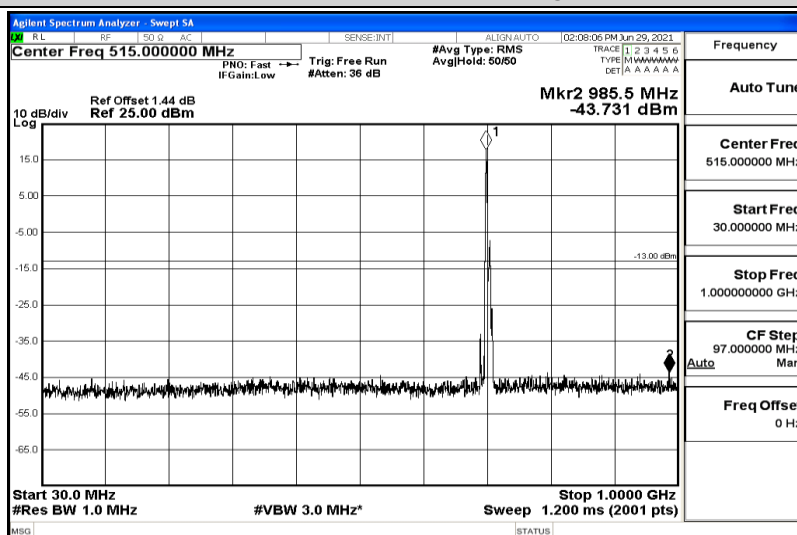
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



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

