



Appendix K: Test Data for E-UTRA Band 17

Product Name: Smartphone

Test Model: Vision Plus

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





K.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.86	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.74	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.79	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.93	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.69	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.24	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.55	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.80	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.89	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.79	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.13	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.12	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.78	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.64	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.57	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.70	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.61	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.60	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.61	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.71	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.61	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.74	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.59	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.00	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.32	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.25	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.11	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.12	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.00	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.43	PASS





Band17	5MHz	16QAM	23790	1RB#24	21.57	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.16	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.13	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.31	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.63	PASS
Band17	5MHz	16QAM	23825	1RB#0	20.98	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.00	PASS
Band17	5MHz	16QAM	23825	1RB#24	20.96	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.97	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.07	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.06	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.19	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.86	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.64	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.70	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.86	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.86	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.67	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.12	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.65	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.53	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.55	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.98	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.96	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.60	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.66	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.86	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.69	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.73	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.96	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.96	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.56	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.59	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.70	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.00	PASS





Band17	10MHz	16QAM	23780	1RB#49	21.56	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.18	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.17	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.13	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.16	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.42	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.38	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.46	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.14	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.16	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.15	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.45	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.39	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.40	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.46	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.19	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.16	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.10	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.50	PASS





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

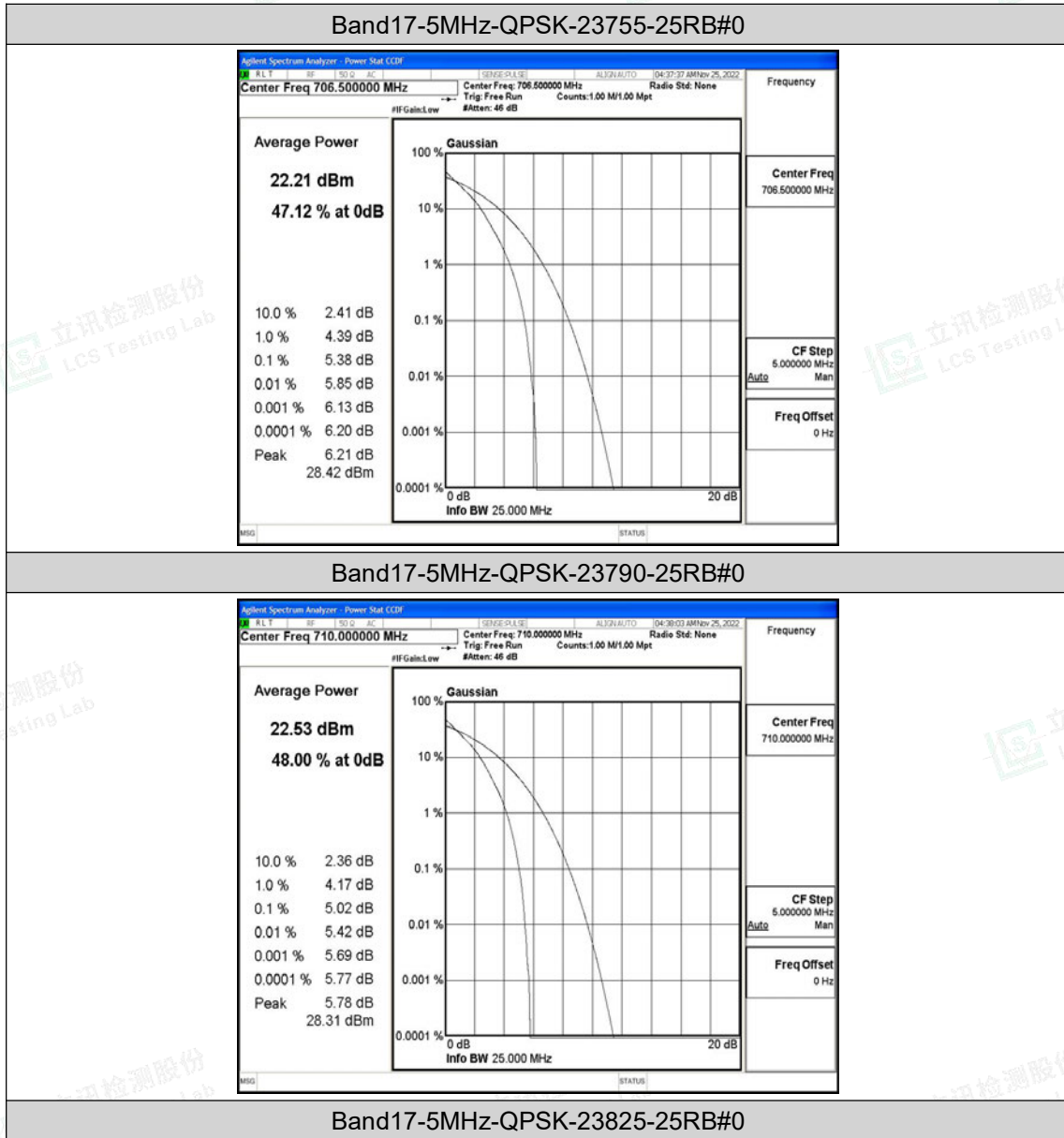
Test Result

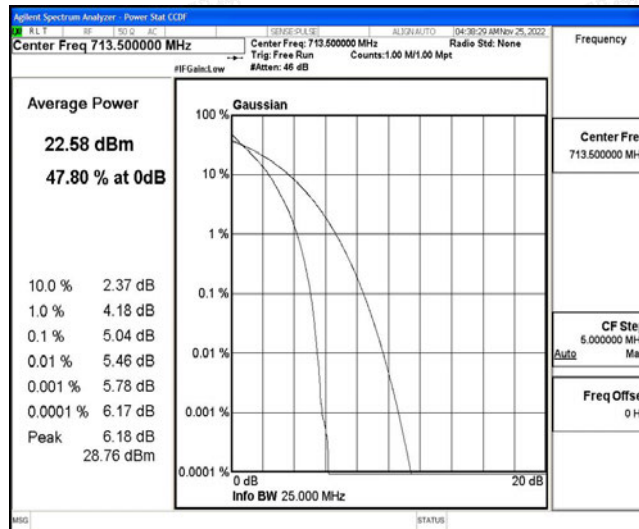
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.38	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.02	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.04	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.87	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.92	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.69	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.05	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.21	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.15	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.87	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.01	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.02	13	PASS



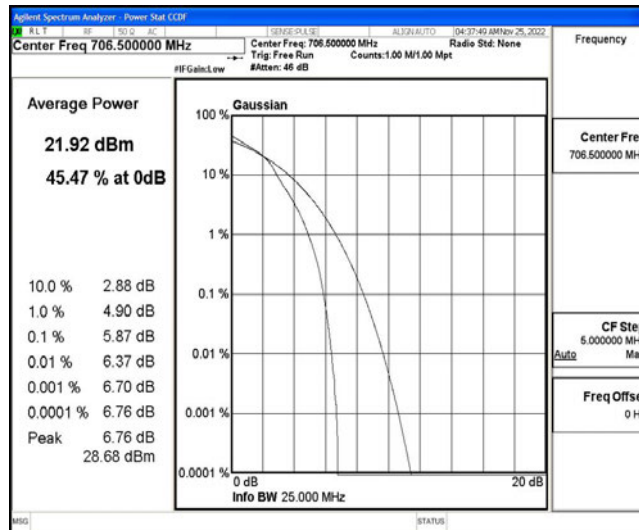


Test Graphs

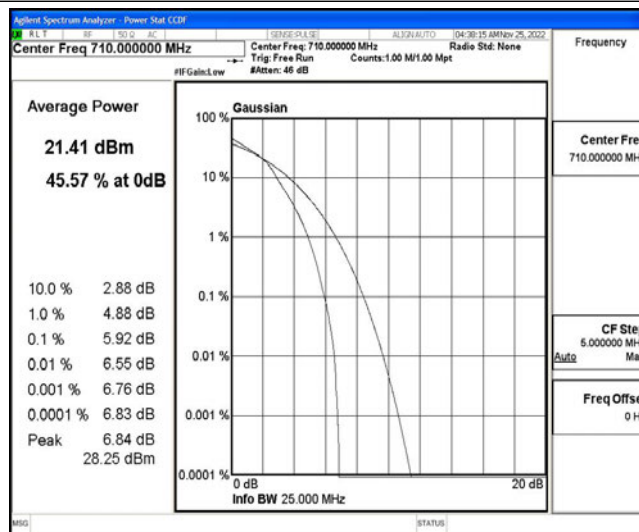




Band17-5MHz-16QAM-23755-25RB#0

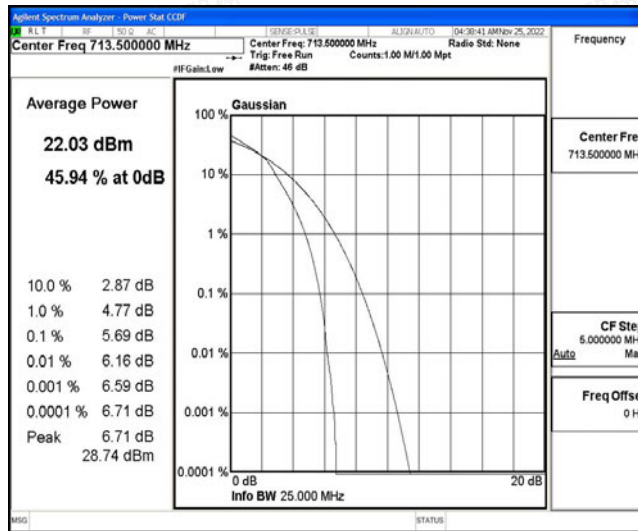


Band17-5MHz-16QAM-23790-25RB#0

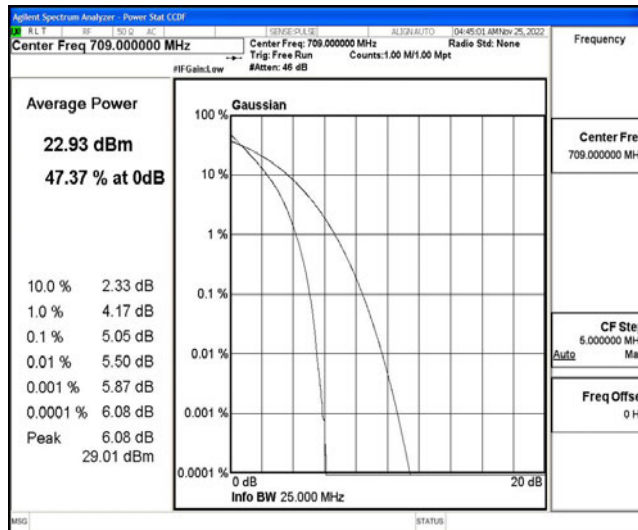


Band17-5MHz-16QAM-23825-25RB#0

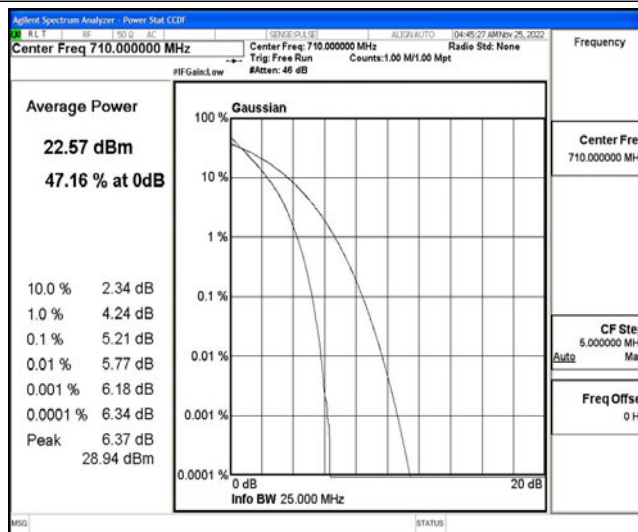




Band17-10MHz-QPSK-23780-50RB#0

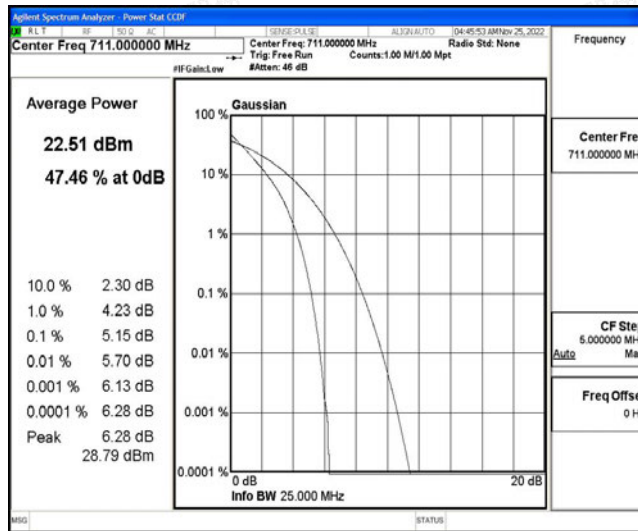


Band17-10MHz-QPSK-23790-50RB#0

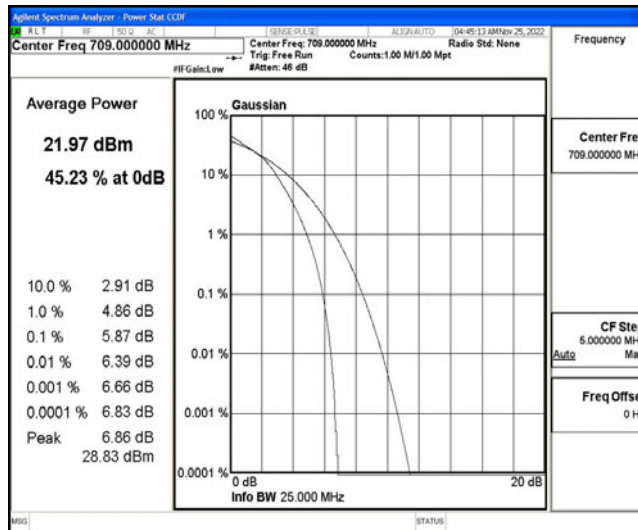


Band17-10MHz-QPSK-23800-50RB#0

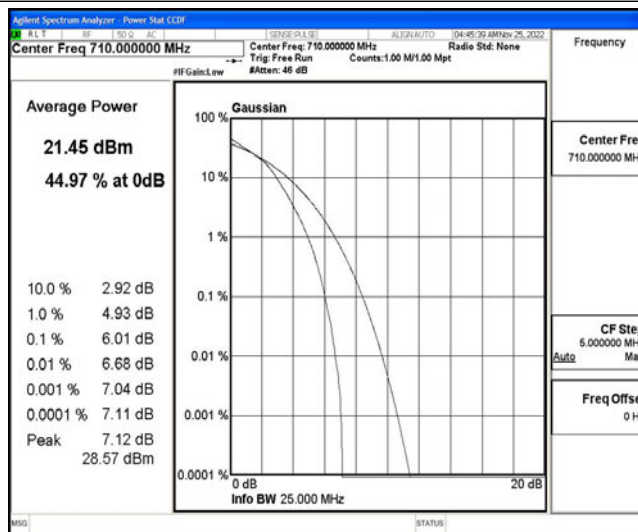




Band17-10MHz-16QAM-23780-50RB#0

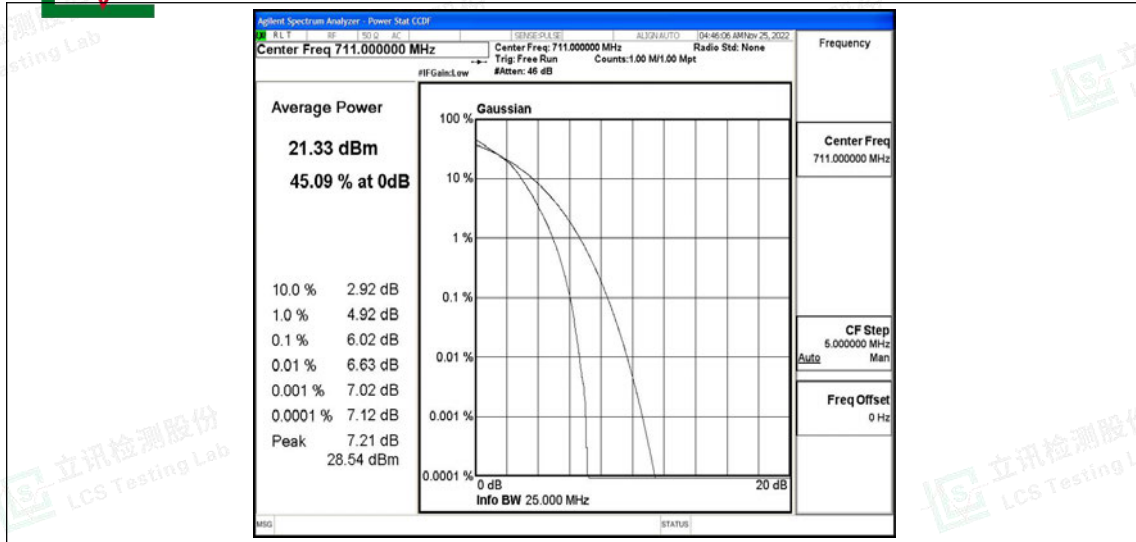


Band17-10MHz-16QAM-23790-50RB#0



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







K.3 26dB Bandwidth and Occupied Bandwidth

Test Result

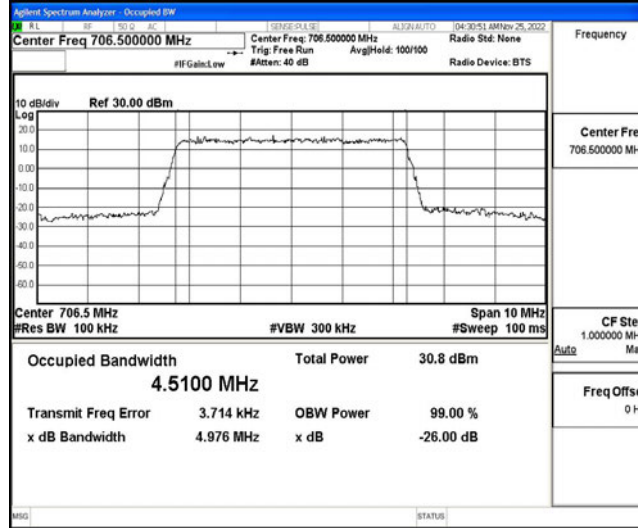
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5100	4.976	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4955	4.965	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5197	4.978	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5241	5.001	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5258	4.973	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5125	4.963	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9883	9.874	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0016	9.913	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9777	9.932	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9934	9.923	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9811	9.918	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9884	9.900	PASS



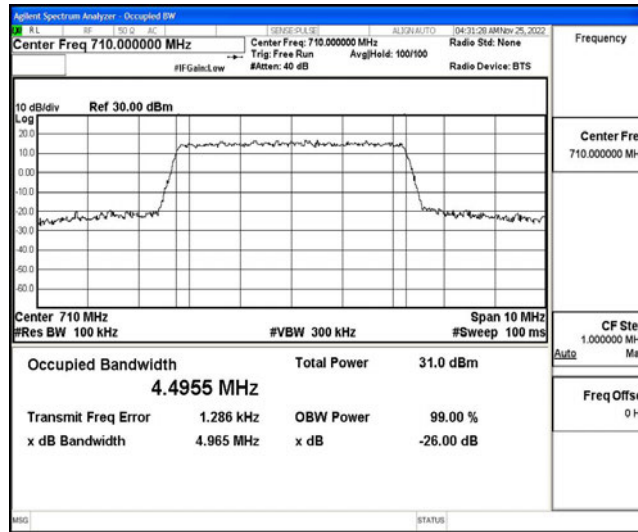


Test Graphs

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

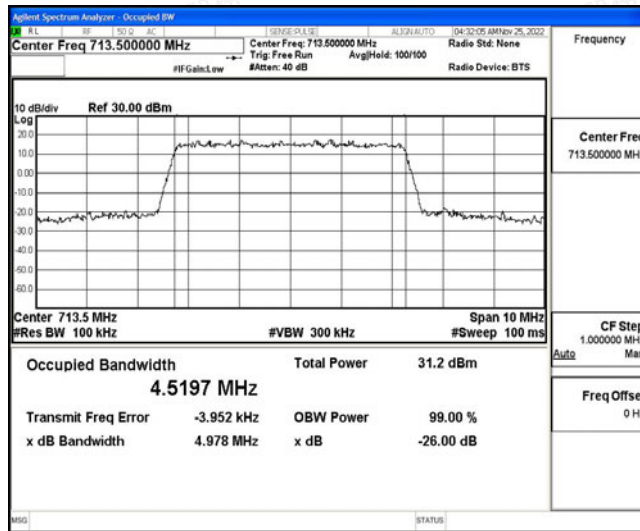


Band17-5MHz-QPSK-23790-25RB#0

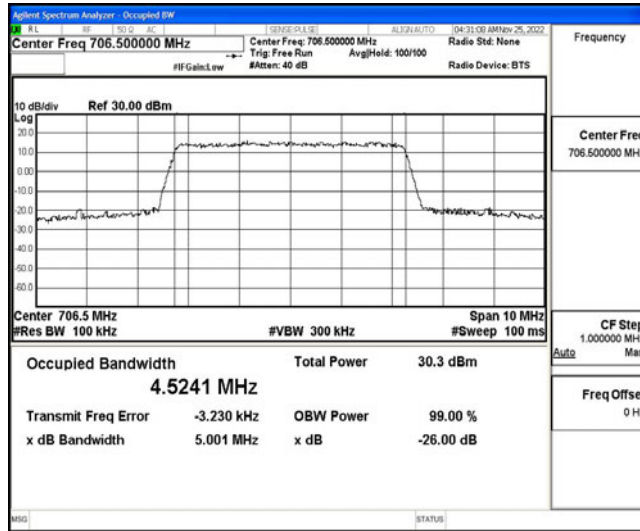


Band17-5MHz-QPSK-23825-25RB#0

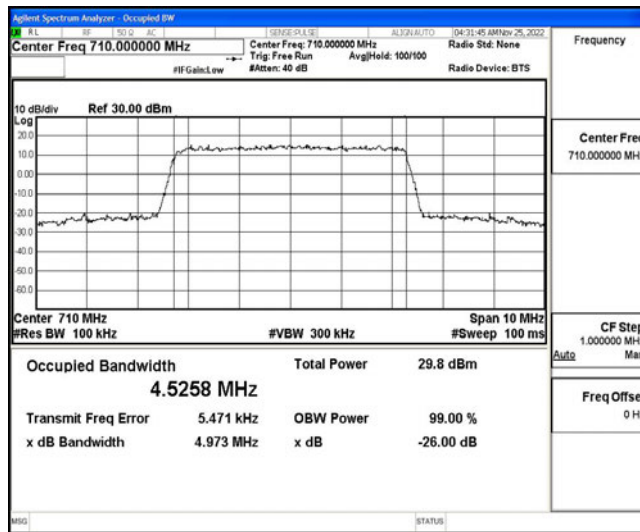




Band17-5MHz-16QAM-23755-25RB#0

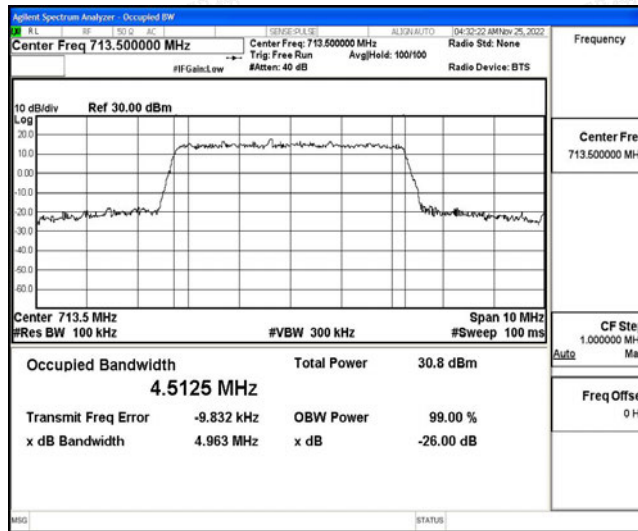


Band17-5MHz-16QAM-23790-25RB#0

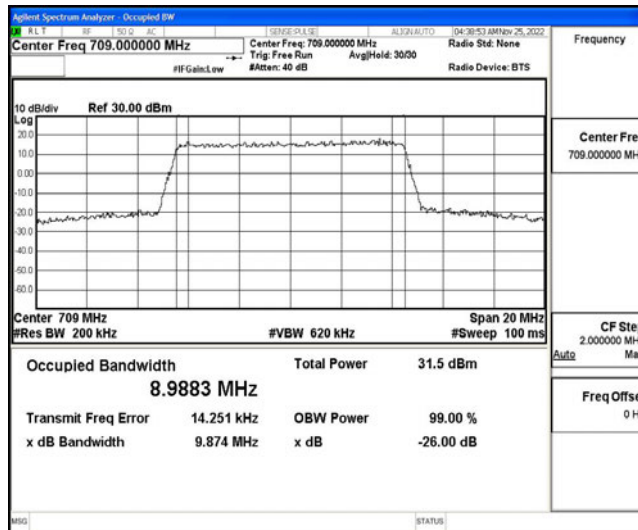


Band17-5MHz-16QAM-23825-25RB#0

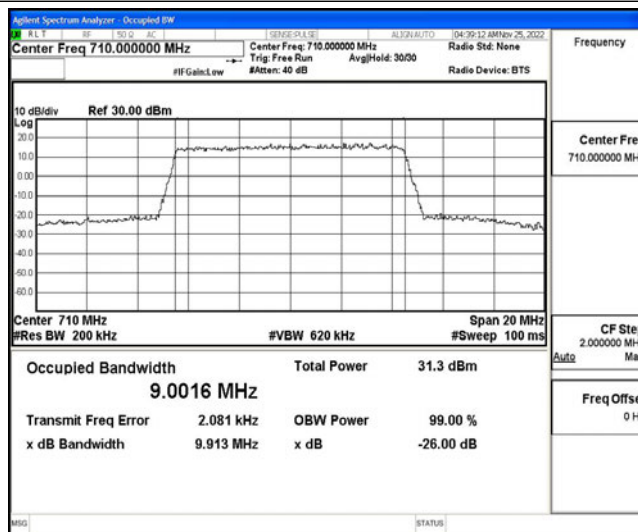




Band17-10MHz-QPSK-23780-50RB#0

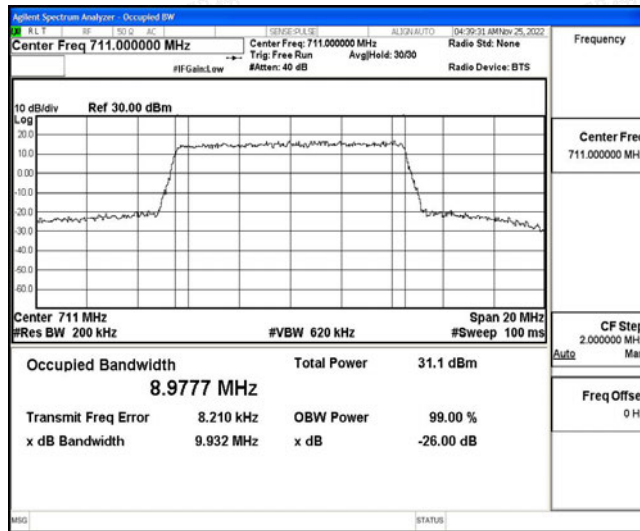


Band17-10MHz-QPSK-23790-50RB#0

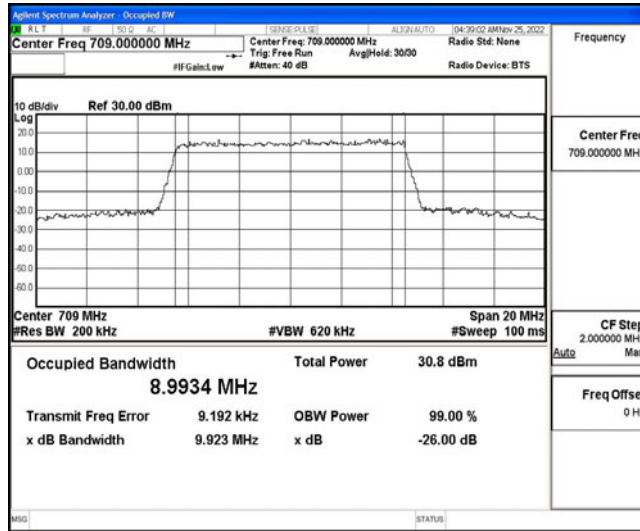


Band17-10MHz-QPSK-23800-50RB#0

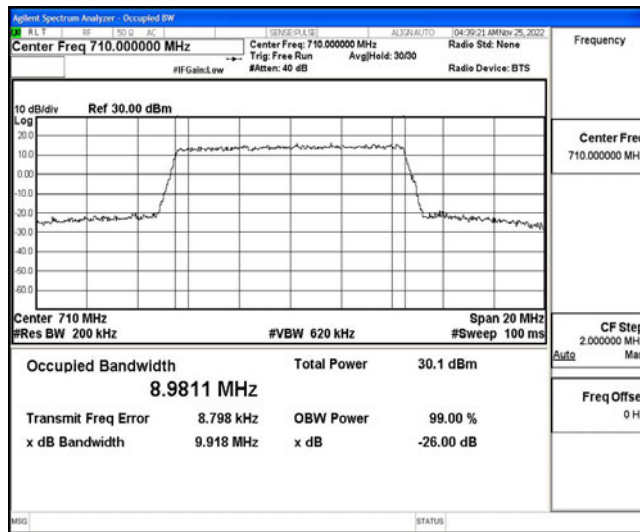




Band17-10MHz-16QAM-23780-50RB#0

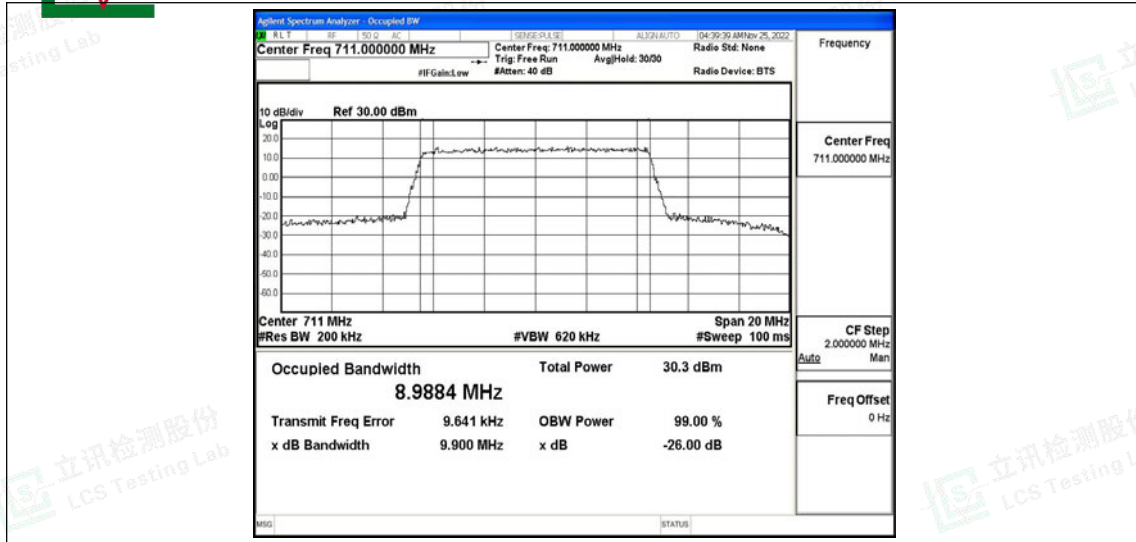


Band17-10MHz-16QAM-23790-50RB#0



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





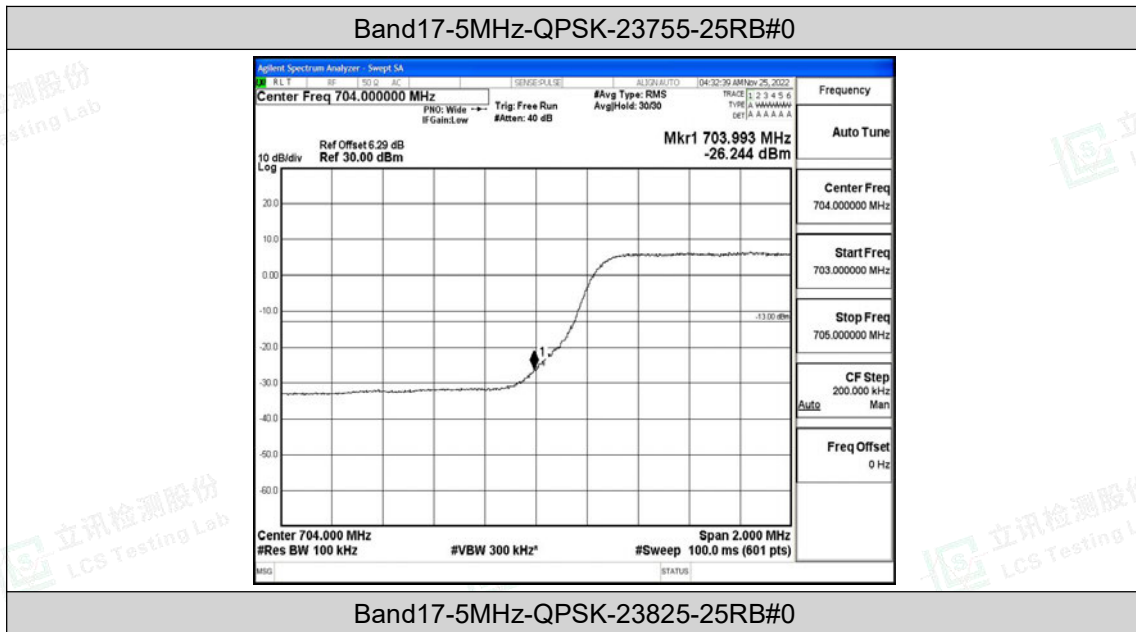


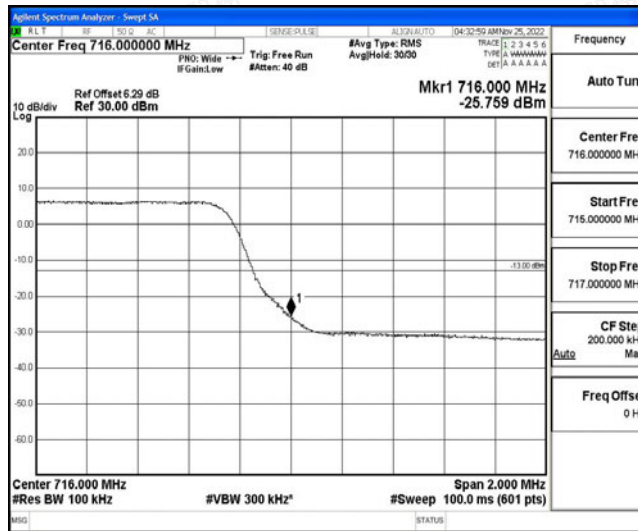
K.4 Band Edge

Test Result

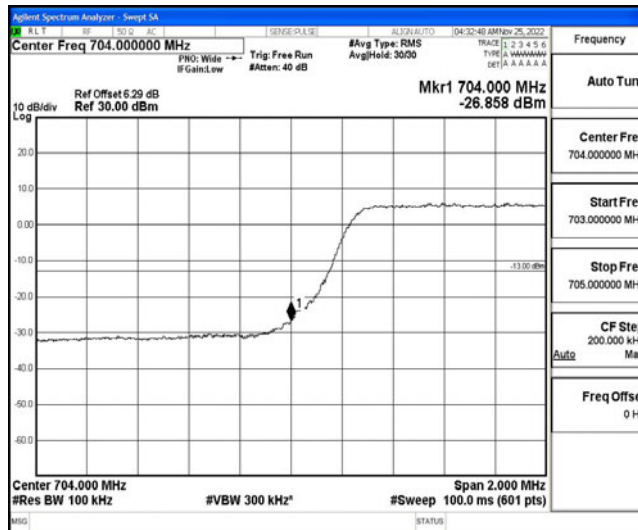
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-26.24	PASS
Band17	5MHz	QPSK	23825	25RB#0	-25.76	PASS
Band17	5MHz	16QAM	23755	25RB#0	-26.86	PASS
Band17	5MHz	16QAM	23825	25RB#0	-25.07	PASS
Band17	10MHz	QPSK	23780	50RB#0	-29.02,-27.48	PASS
Band17	10MHz	QPSK	23800	50RB#0	-27.03,-28.68	PASS
Band17	10MHz	16QAM	23780	50RB#0	-29.25,-27.98	PASS
Band17	10MHz	16QAM	23800	50RB#0	-28.39,-29.86	PASS

Test Graphs

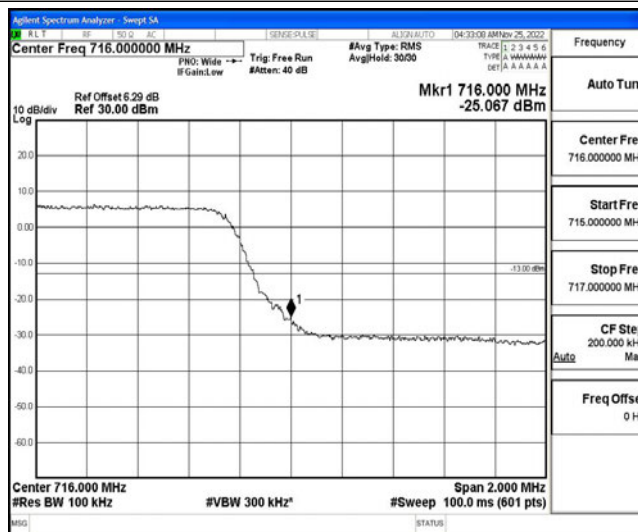




Band17-5MHz-16QAM-23755-25RB#0

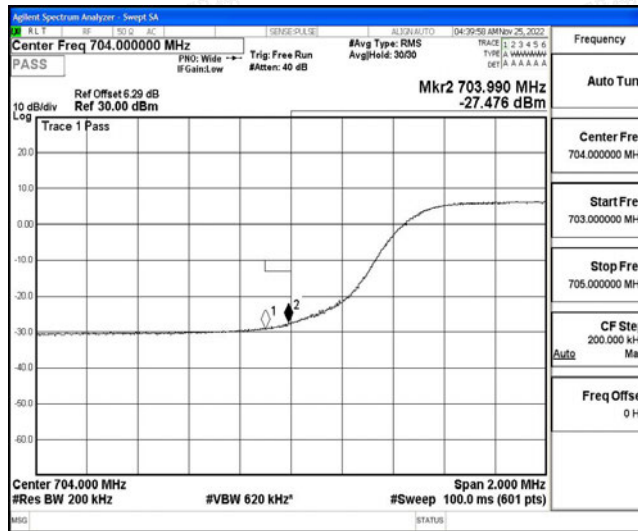


Band17-5MHz-16QAM-23825-25RB#0

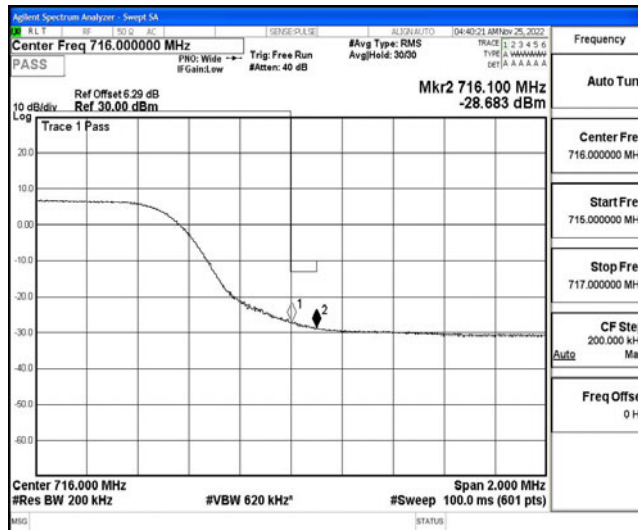


Band17-10MHz-QPSK-23780-50RB#0

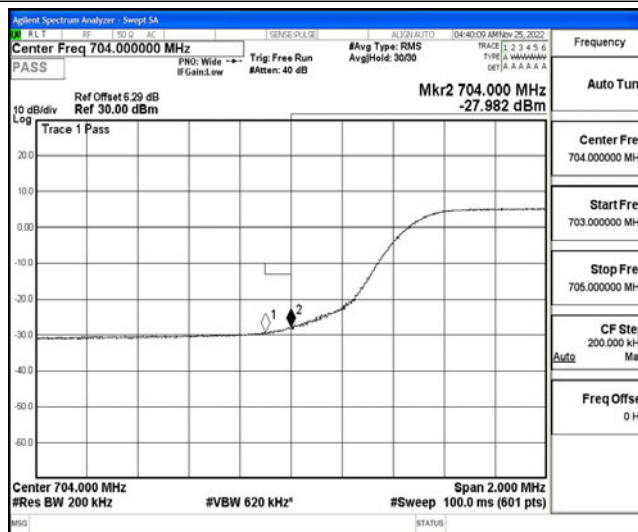




Band17-10MHz-QPSK-23800-50RB#0

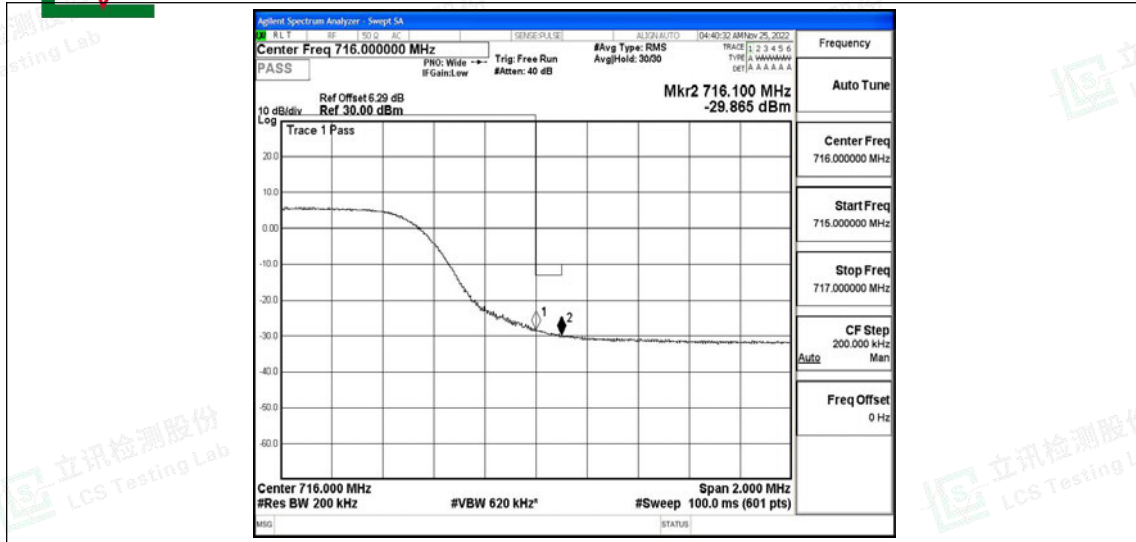


Band17-10MHz-16QAM-23780-50RB#0



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







K.5 Conducted Spurious Emission

Test Result

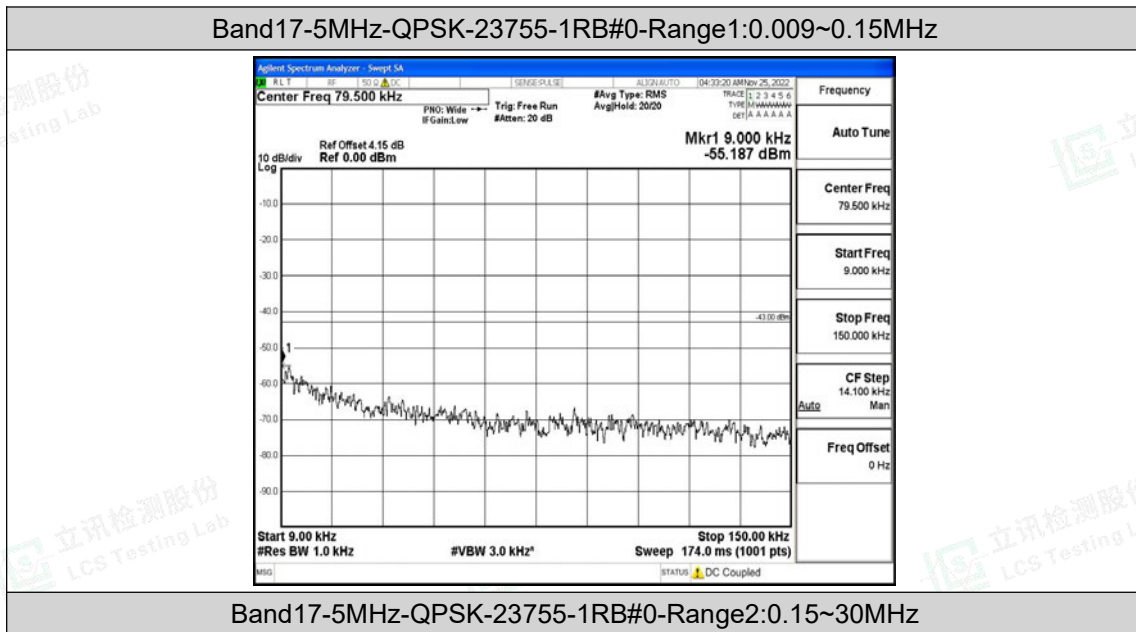
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	-55.19	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-51.36	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-40.21	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-55.84	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-51.11	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-40.69	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	-56.18	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-52.45	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-40.12	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	-55.62	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-51.21	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-40.48	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-53.86	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-51.67	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-40.07	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	-56.34	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-49.69	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-39.92	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	-45	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	-55.76	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-48.19	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-40.12	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-55.54	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-49.48	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-40.4	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	-54.31	PASS

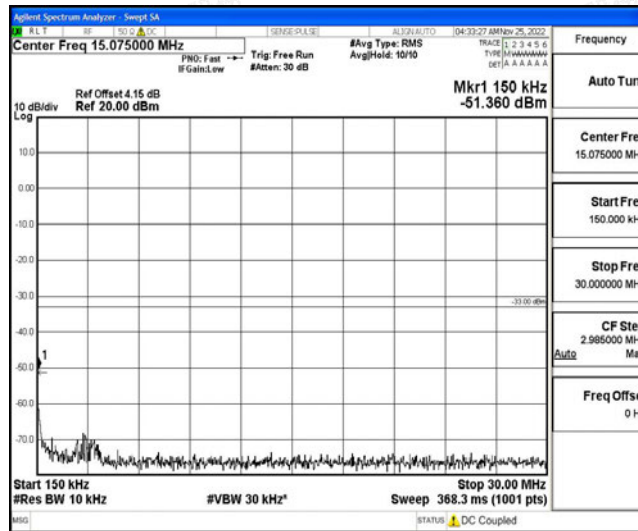




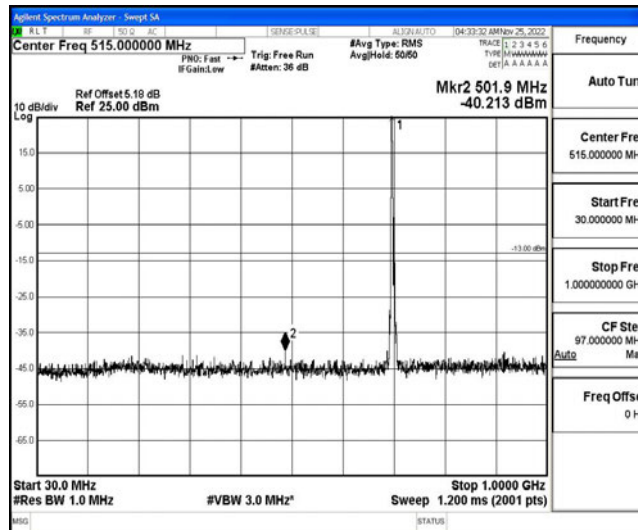
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-52.06	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-41.21	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	-55.1	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-51.46	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	-41.13	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	-44.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-56.37	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-52.44	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-40.98	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	-53.46	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-51.89	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-40.68	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	-45.03	PASS

Test Graphs

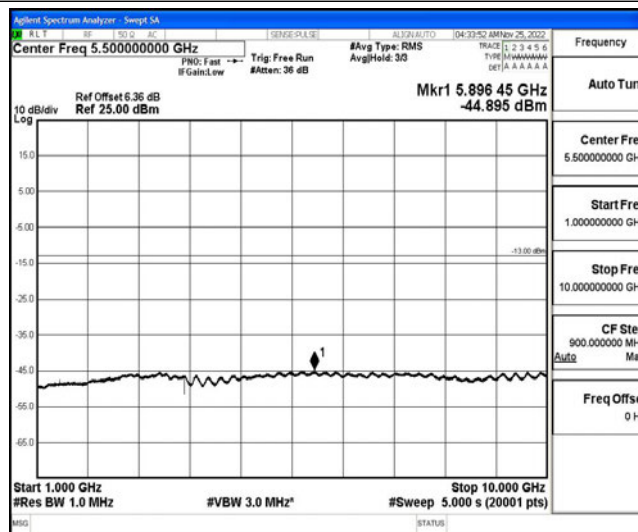




Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz

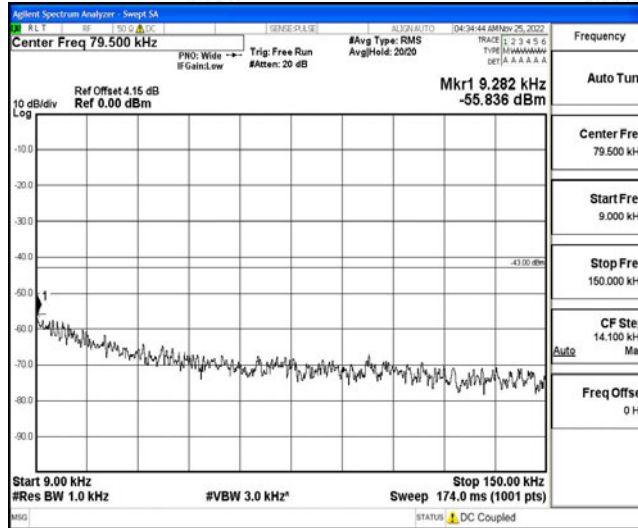


Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz

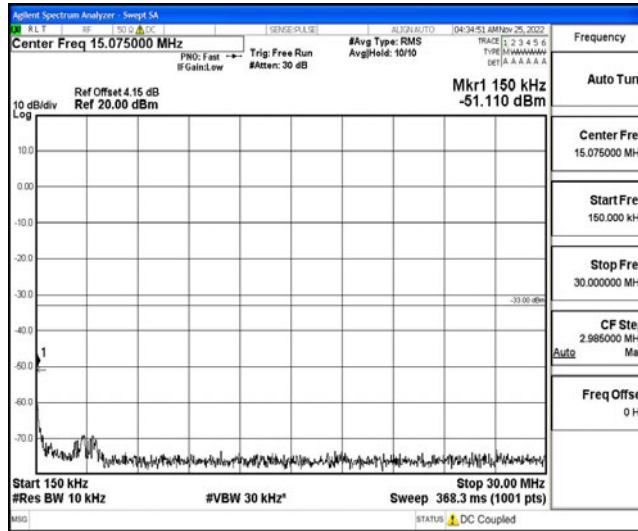


Band17-5MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz

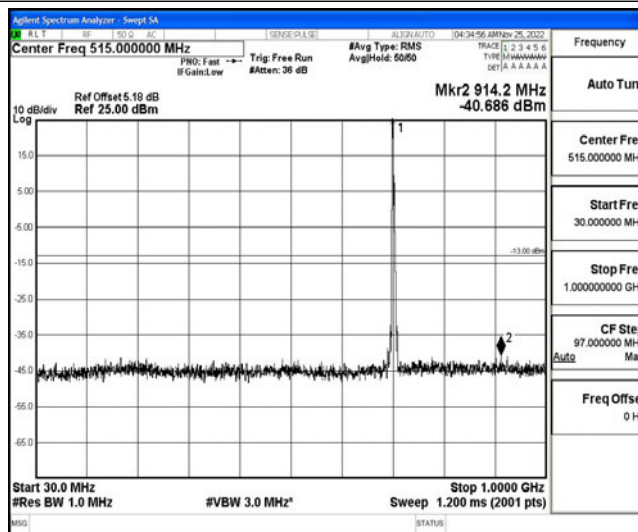




Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz

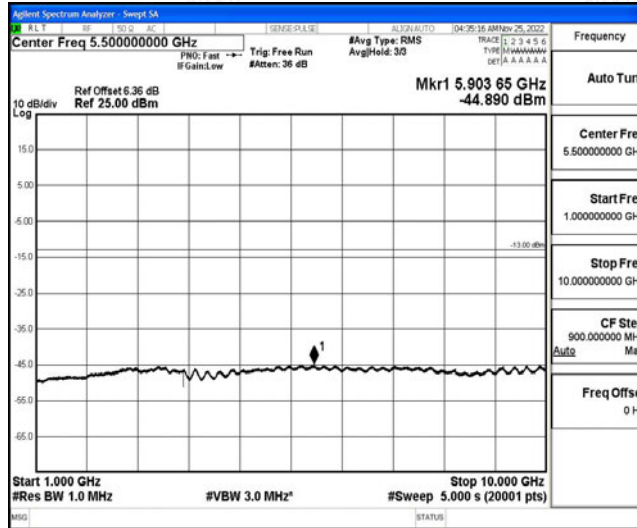


Band17-5MHz-QPSK-23790-1RB#0-Range3:30~1000MHz

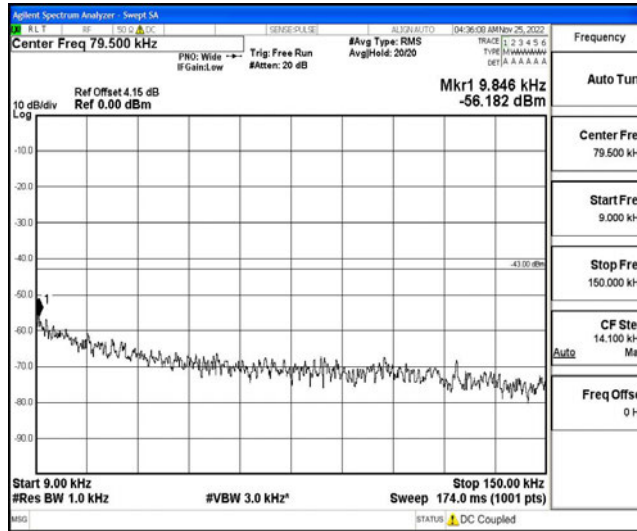


Band17-5MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz

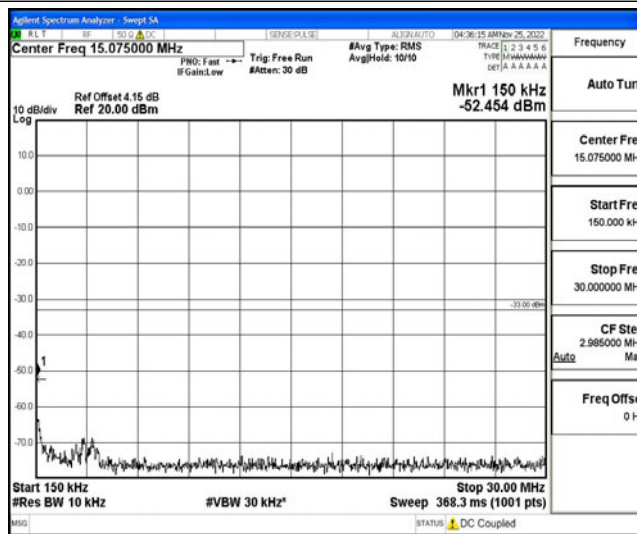




Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz

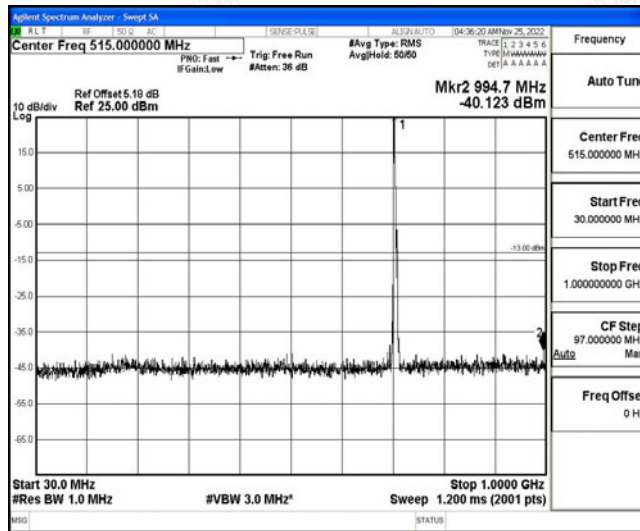


Band17-5MHz-QPSK-23825-1RB#0-Range2:0.15~30MHz

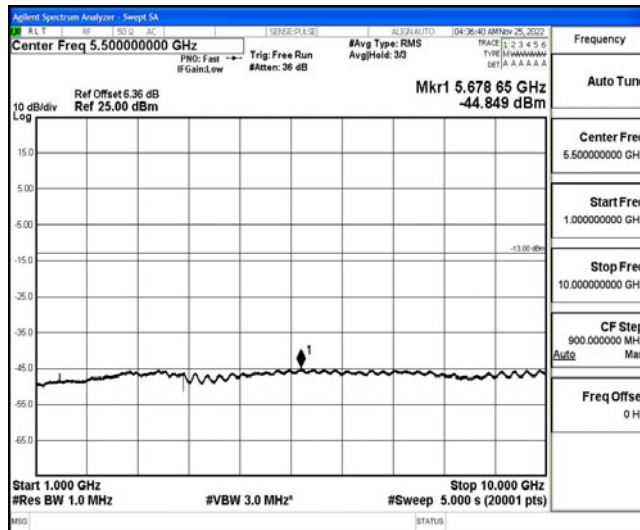


Band17-5MHz-QPSK-23825-1RB#0-Range3:30~1000MHz

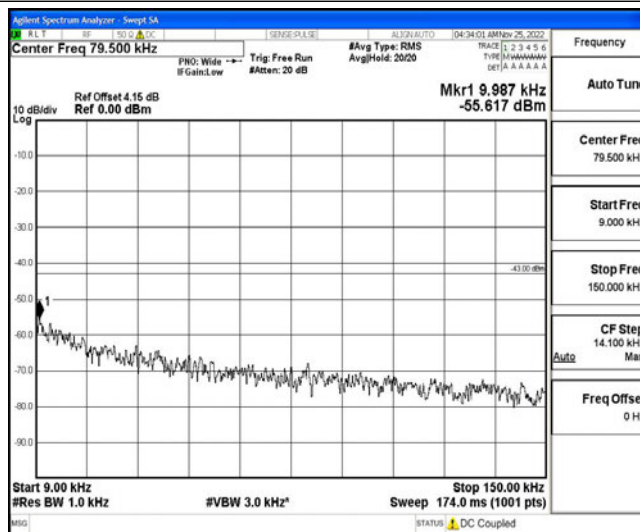




Band17-5MHz-QPSK-23825-1RB#0-Range4:1000~10000MHz

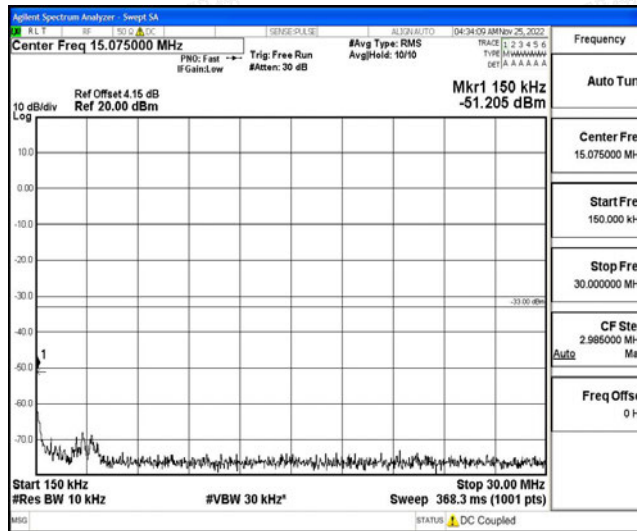


Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz

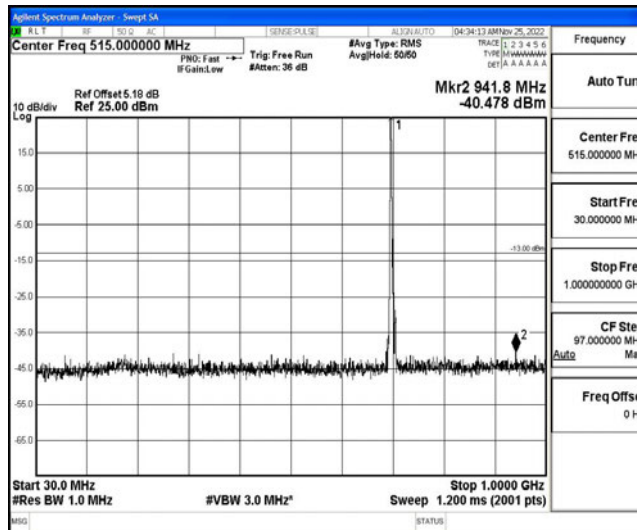


Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz

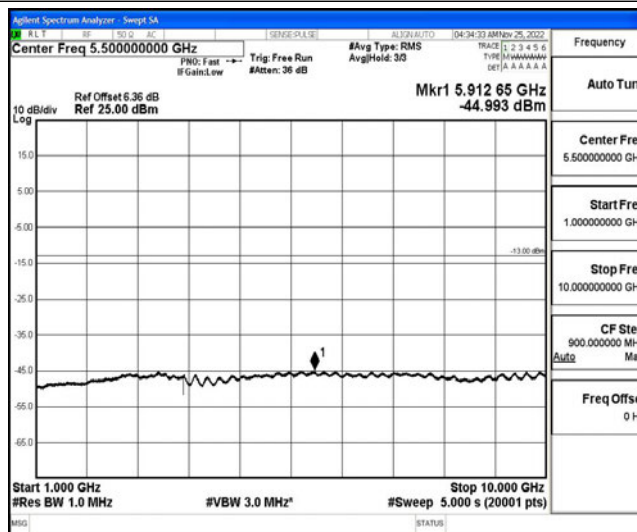




Band17-5MHz-16QAM-23755-1RB#0-Range3:30~1000MHz

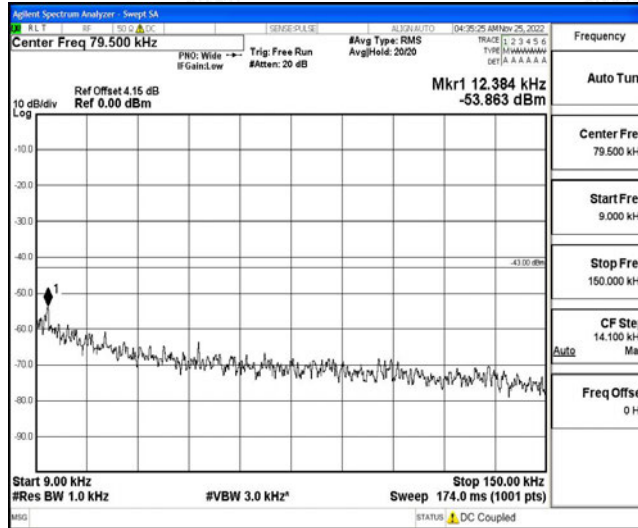


Band17-5MHz-16QAM-23755-1RB#0-Range4:1000~10000MHz

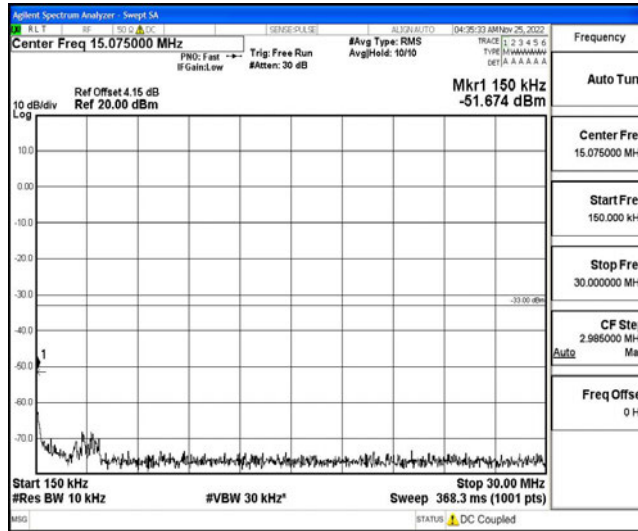


Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz

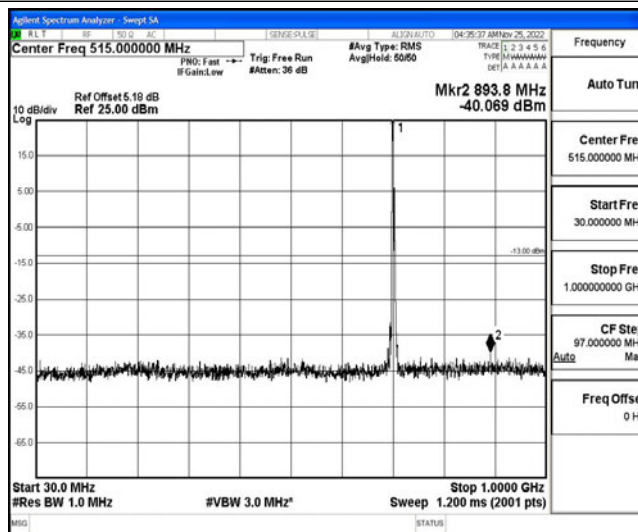




Band17-5MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz

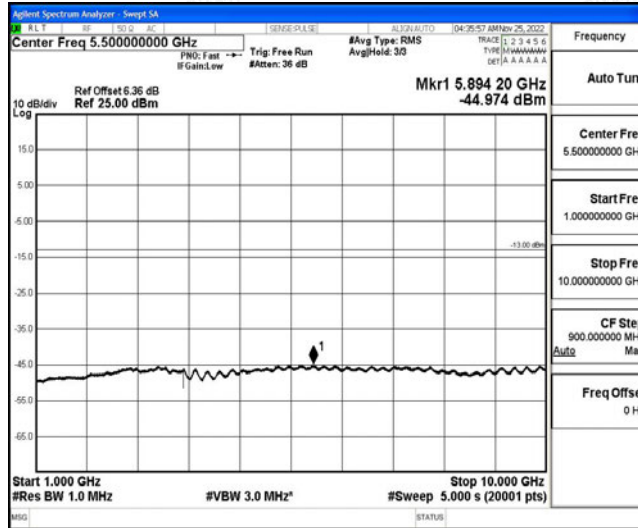


Band17-5MHz-16QAM-23790-1RB#0-Range3:30~1000MHz

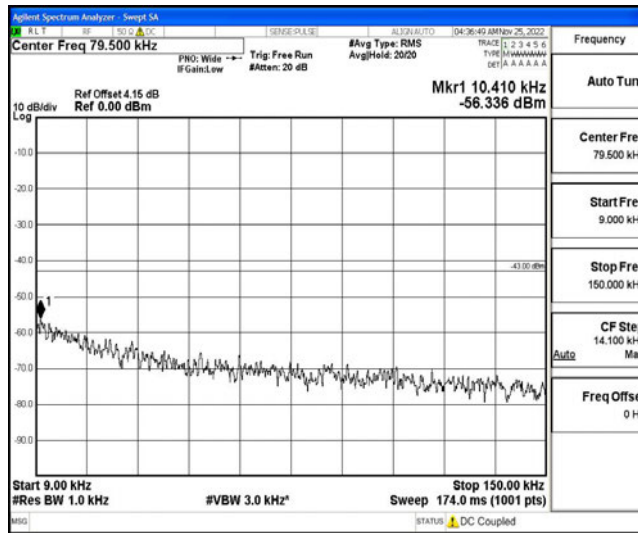


Band17-5MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz

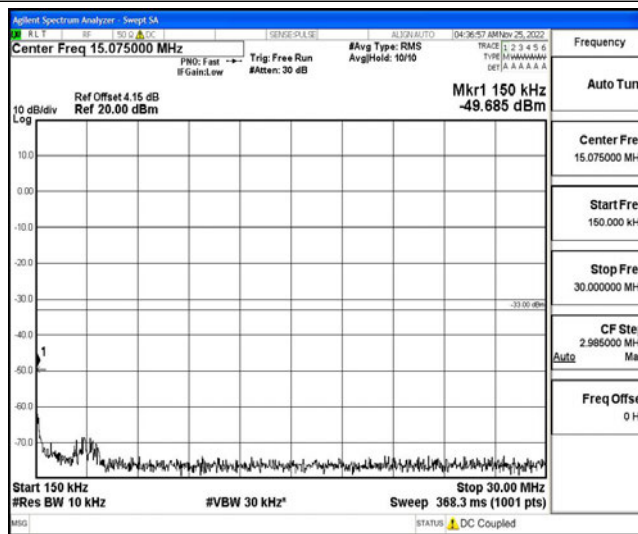




Band17-5MHz-16QAM-23825-1RB#0-Range1:0.009~0.15MHz

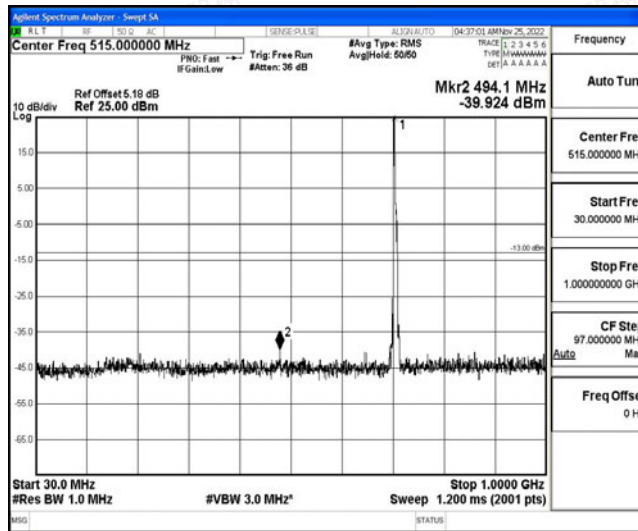


Band17-5MHz-16QAM-23825-1RB#0-Range2:0.15~30MHz

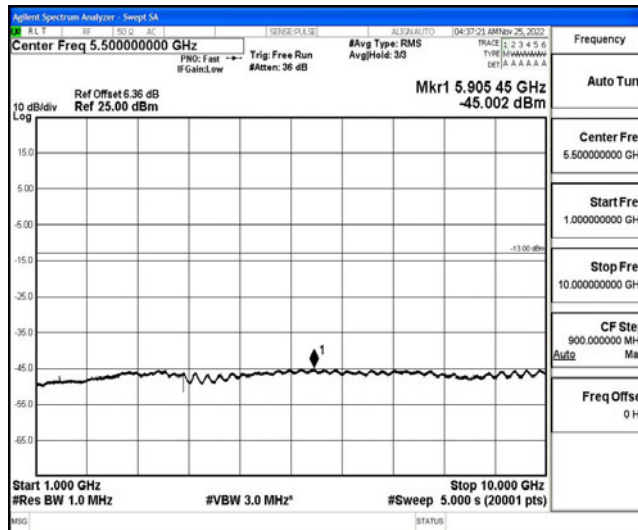


Band17-5MHz-16QAM-23825-1RB#0-Range3:30~1000MHz

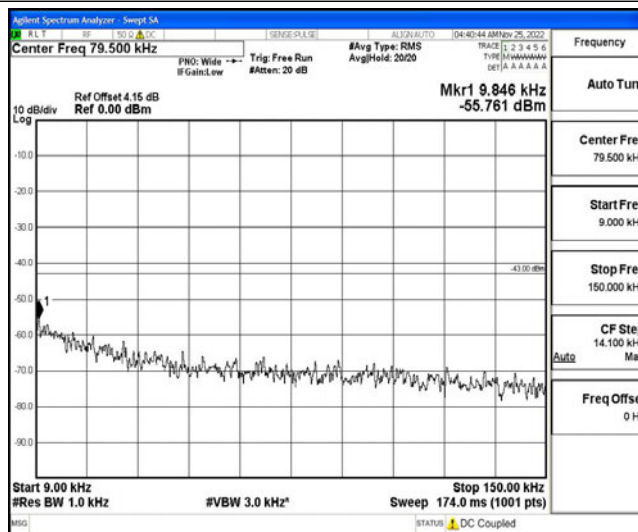




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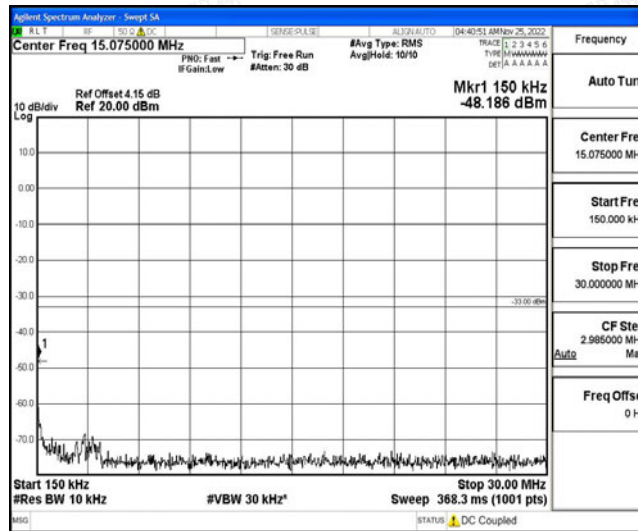


Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz

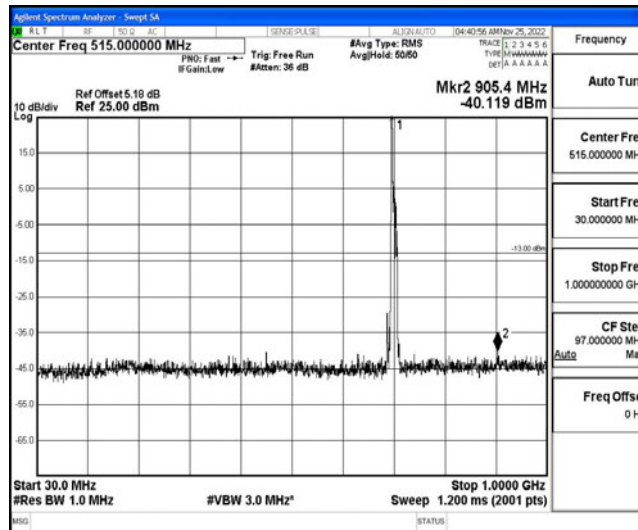


Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz

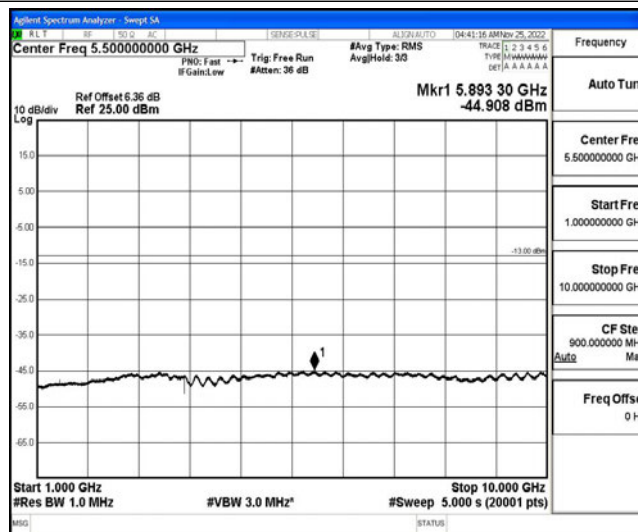




Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz

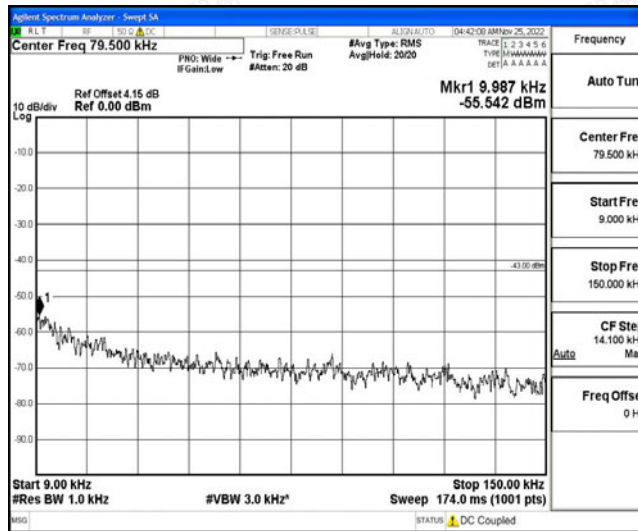


Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz

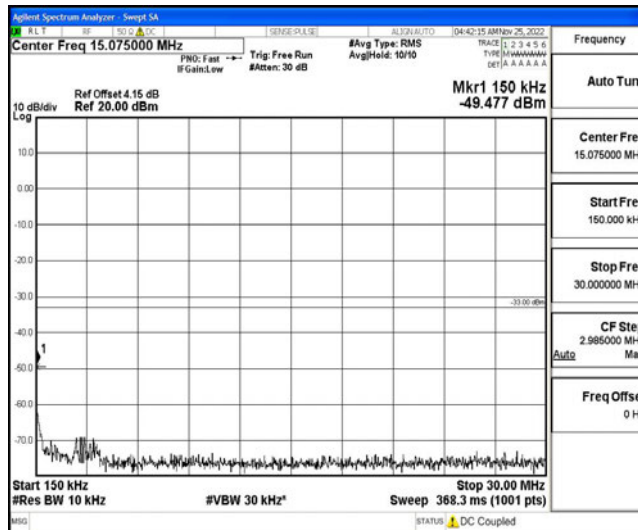


Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz

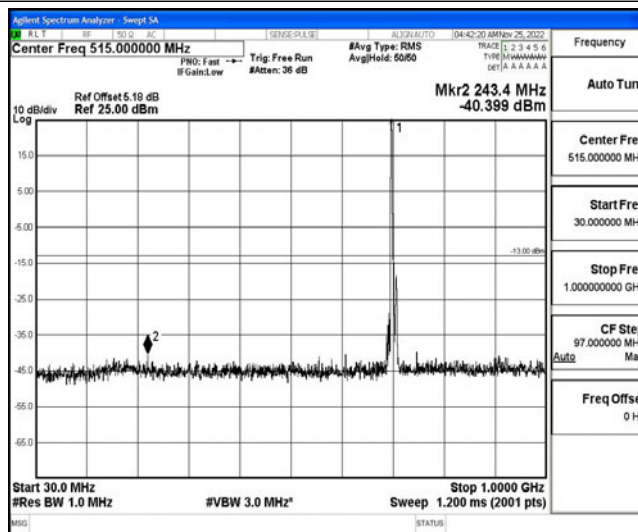




Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz

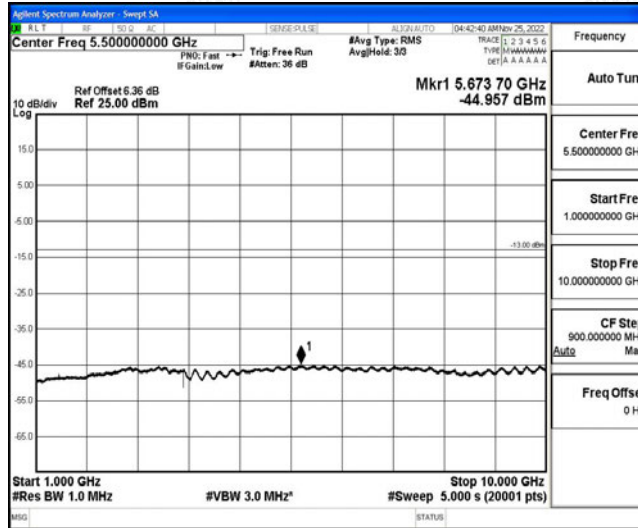


Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz

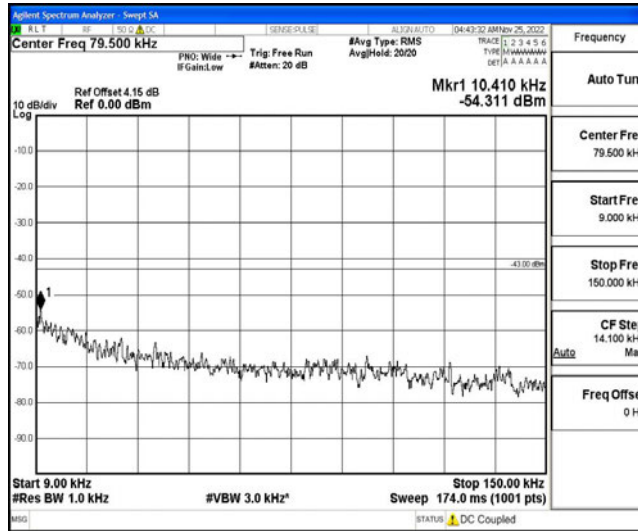


Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz

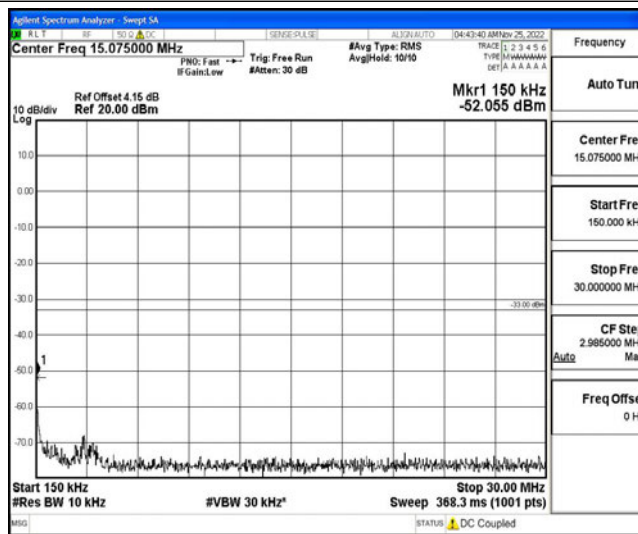




Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz

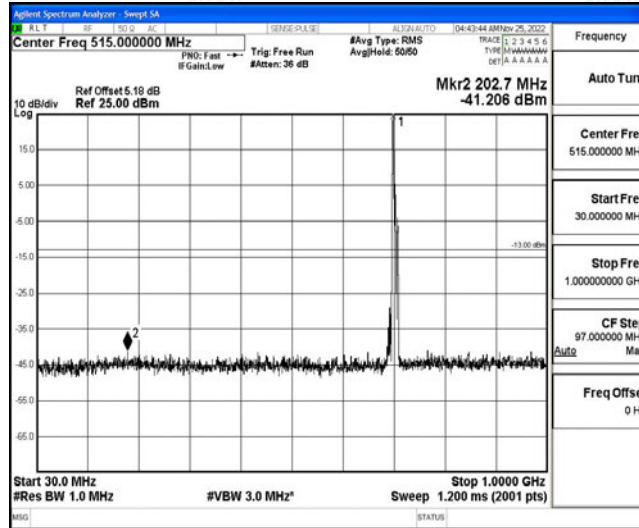


Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz

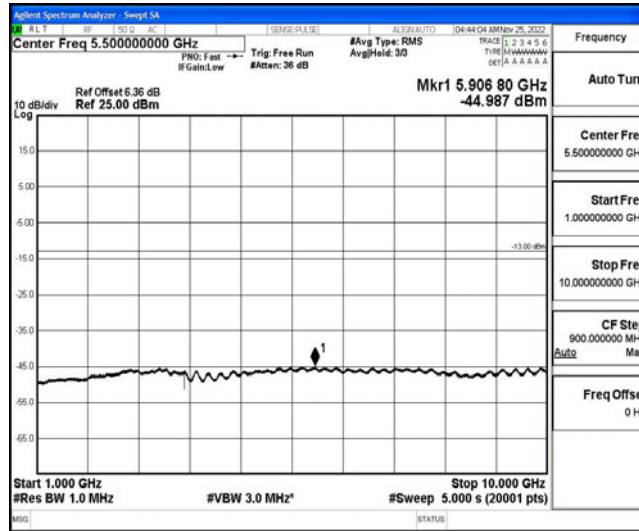


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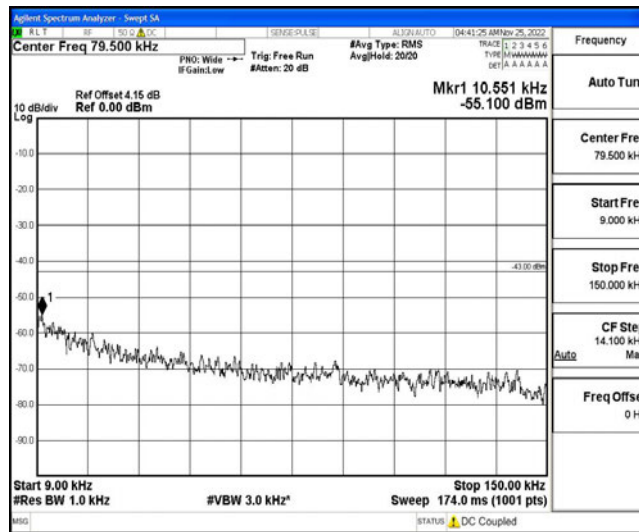




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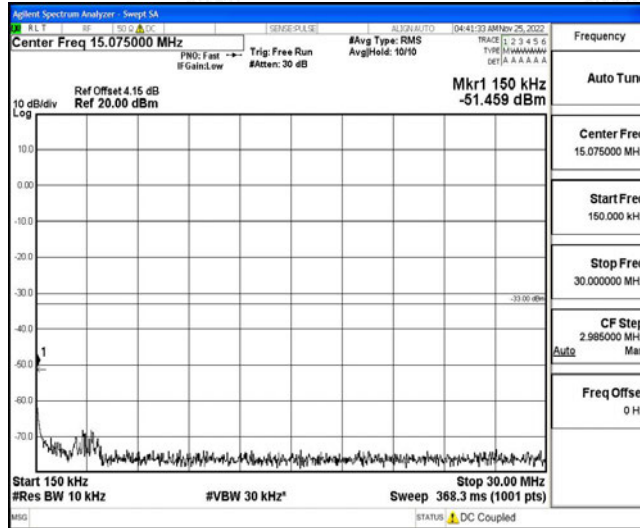


Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz

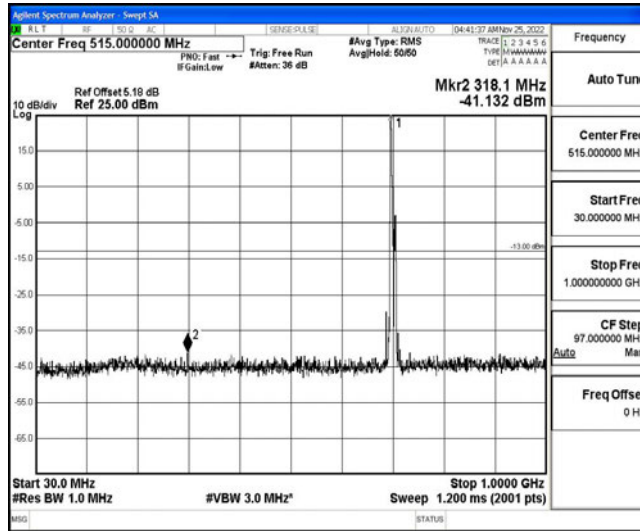


Band17-10MHz-16QAM-23780-1RB#0-Range2:0.15~30MHz

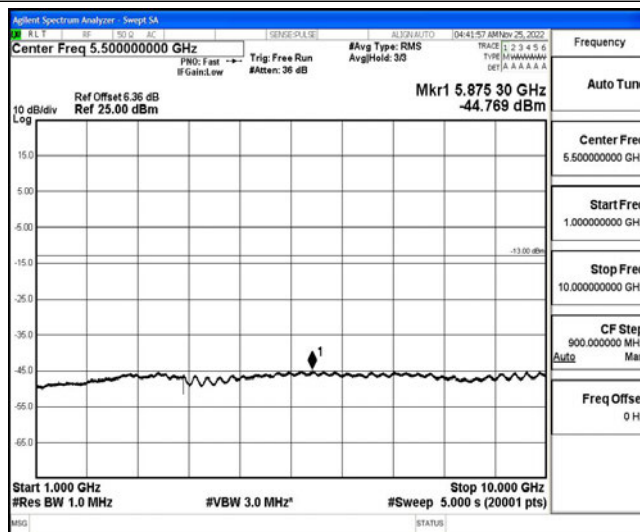




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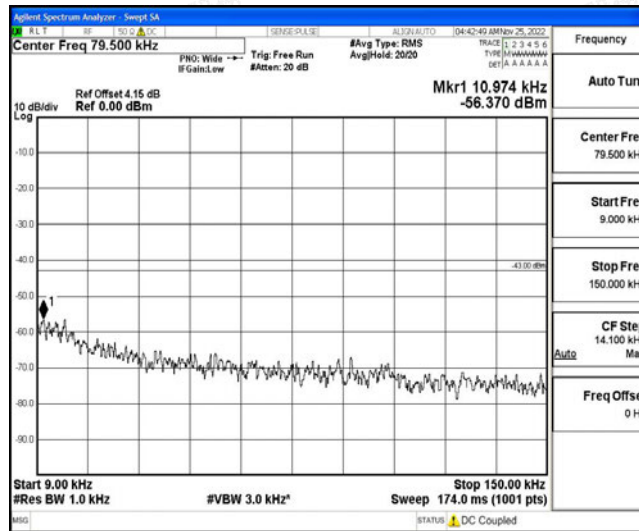


Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz

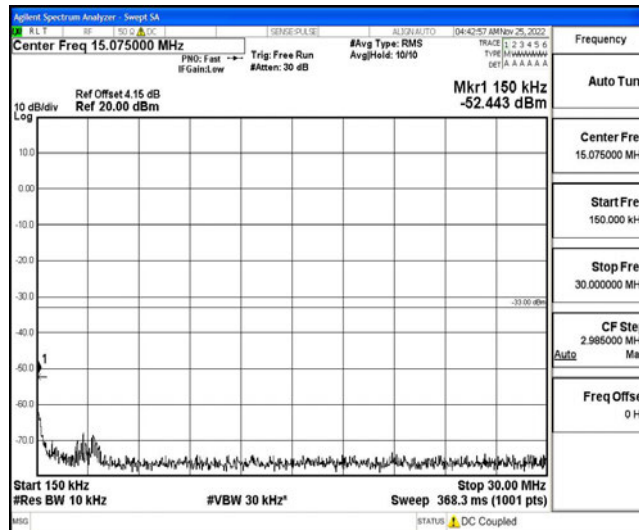


Band17-10MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz

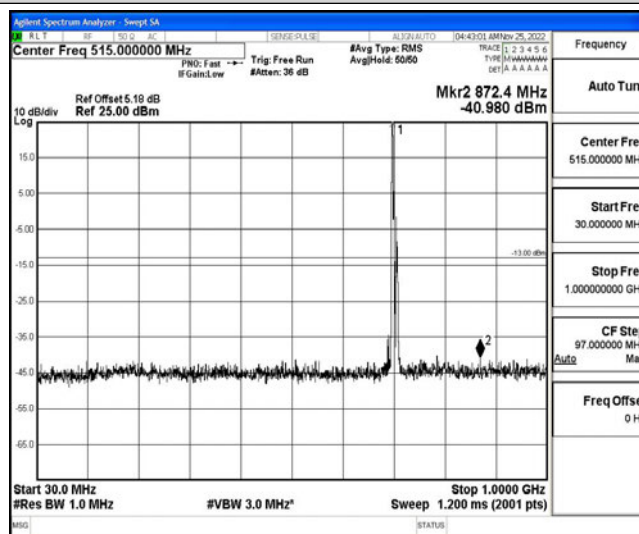




Band17-10MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz

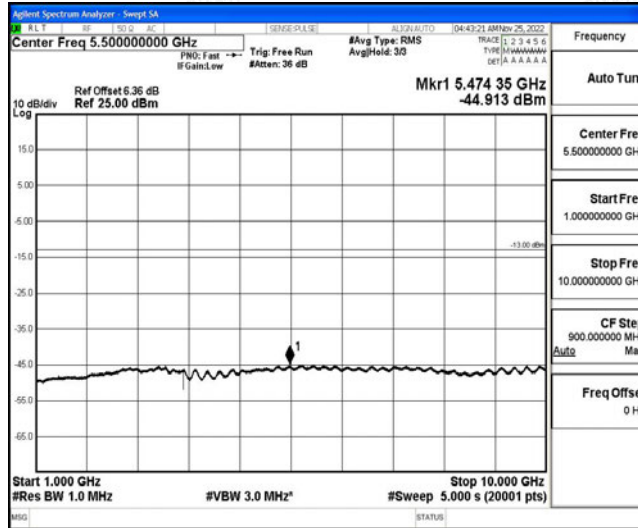


Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz

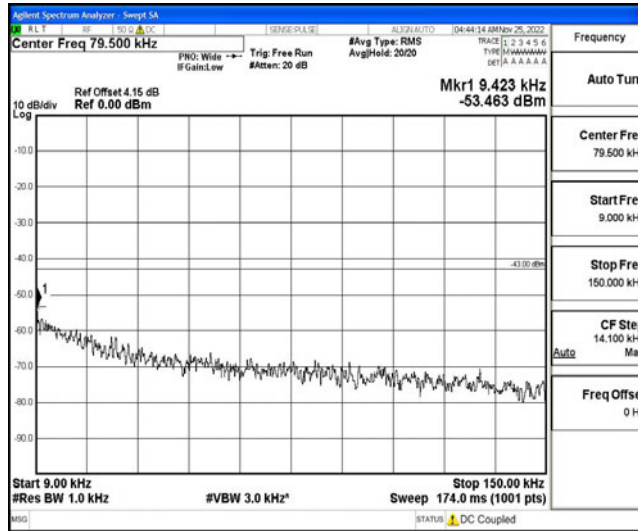


Band17-10MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz

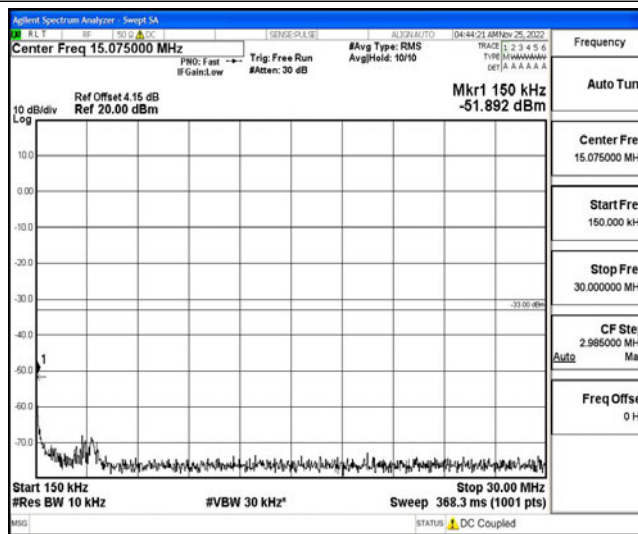




Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz

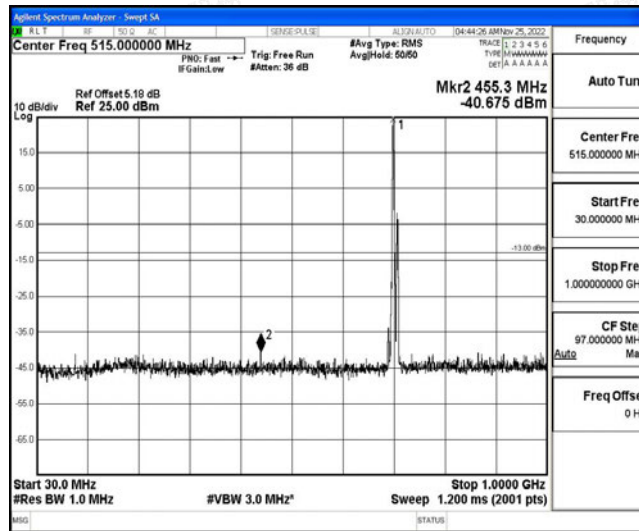


Band17-10MHz-16QAM-23800-1RB#0-Range2:0.15~30MHz



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





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

