



Appendix I: Test Data for E-UTRA Band 17

Product Name: Smart phone

Test Model: Smooth 6.0

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
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	22.08	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.01	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.01	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.61	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.57	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.65	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.62	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.04	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.14	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.36	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.54	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.58	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.03	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.76	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.54	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.08	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.04	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.02	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.92	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.52	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.57	PASS
Band17	5MHz	16QAM	23755	1RB#0	20.83	PASS
Band17	5MHz	16QAM	23755	1RB#12	20.92	PASS
Band17	5MHz	16QAM	23755	1RB#24	20.94	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.68	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.74	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.69	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.76	PASS
Band17	5MHz	16QAM	23790	1RB#0	20.96	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.16	PASS





Band17	5MHz	16QAM	23790	1RB#24	21.37	PASS
Band17	5MHz	16QAM	23790	12RB#0	20.69	PASS
Band17	5MHz	16QAM	23790	12RB#6	20.75	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.95	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.79	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.68	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.31	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.13	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.02	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.06	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.34	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.27	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.07	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.18	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.17	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.73	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.75	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.12	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.68	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.13	PASS
Band17	10MHz	QPSK	23790	1RB#24	21.98	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.02	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.74	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.61	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.85	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.74	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.26	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.26	PASS
Band17	10MHz	QPSK	23800	1RB#49	21.98	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.72	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.76	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.84	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.73	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.03	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.12	PASS





Band17	10MHz	16QAM	23780	1RB#49	21.12	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.91	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.25	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.86	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.10	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.35	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.14	PASS
Band17	10MHz	16QAM	23790	25RB#0	20.74	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.73	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.94	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.63	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.13	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.17	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.01	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.98	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.97	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.66	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.82	PASS



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

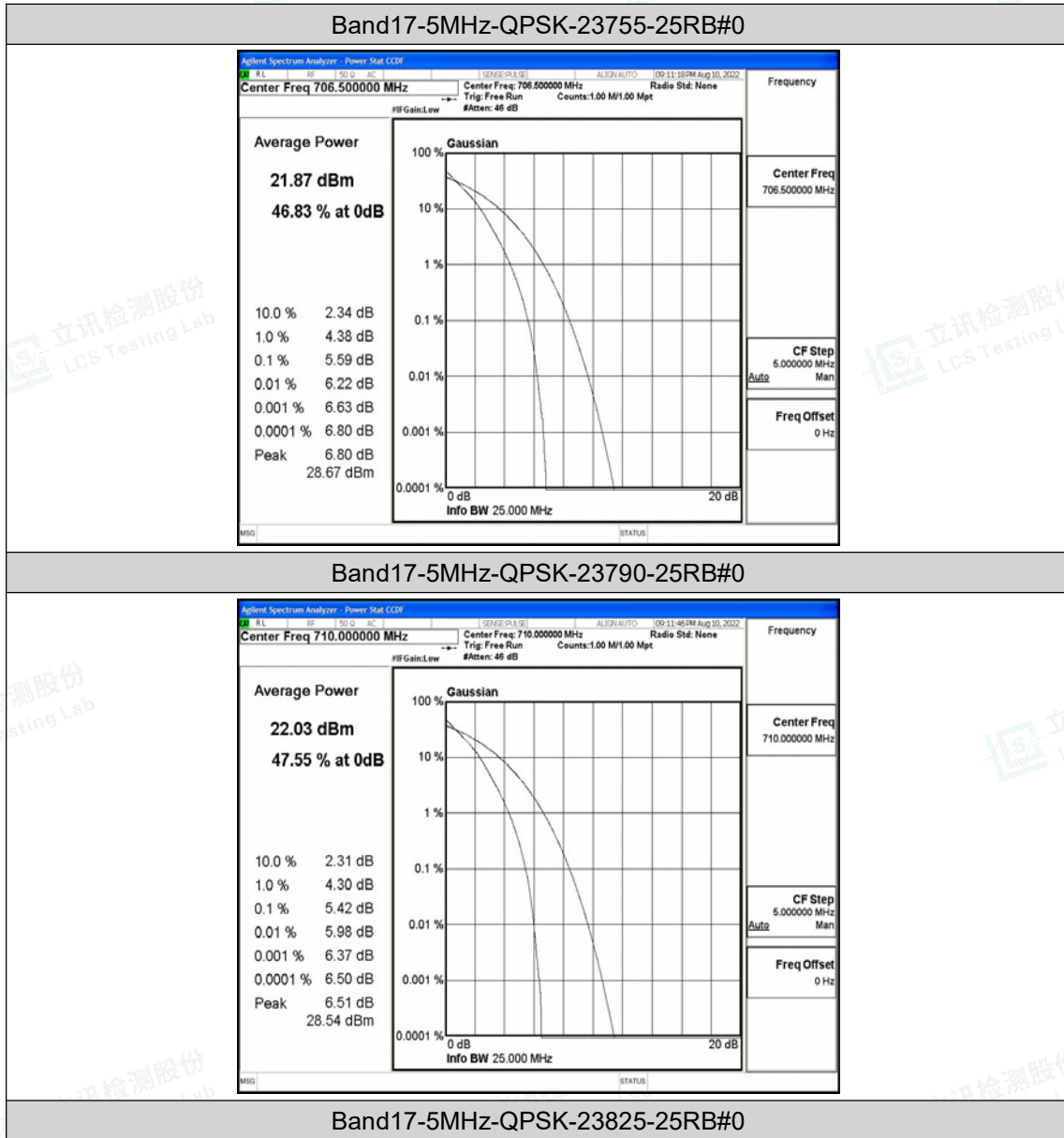
Test Result

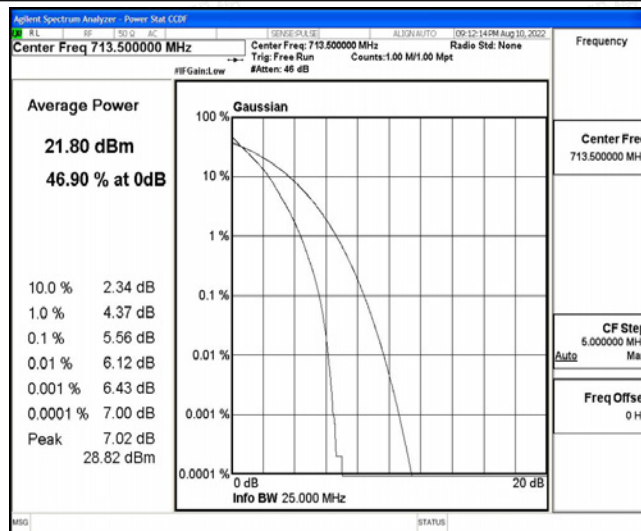
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.59	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.42	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.56	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.29	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.18	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.31	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.42	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.44	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.48	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.20	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.22	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.31	13	PASS



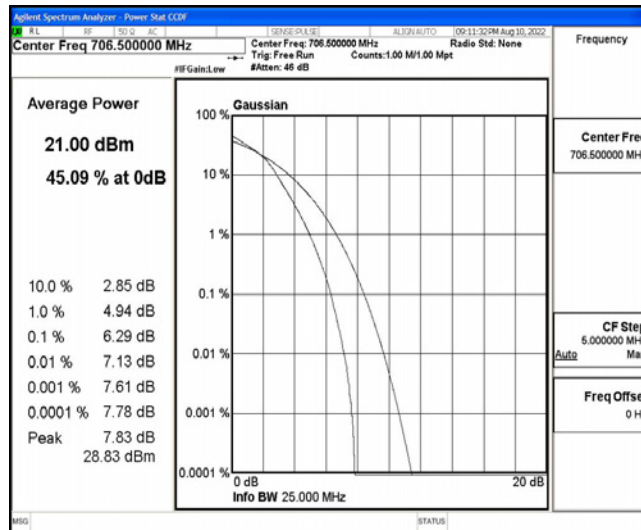


Test Graphs

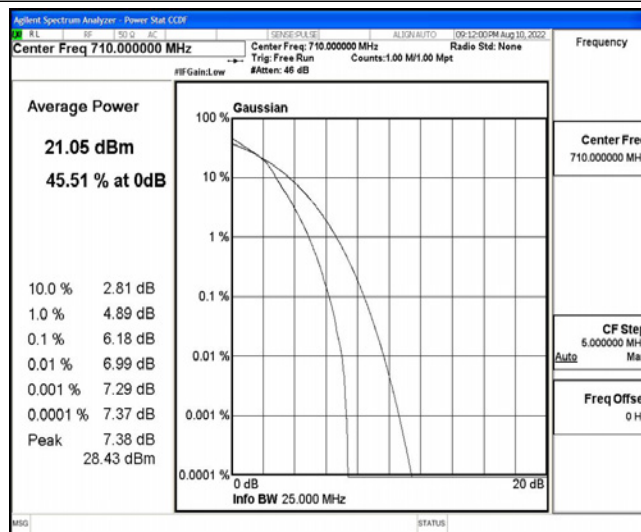




Band17-5MHz-16QAM-23755-25RB#0

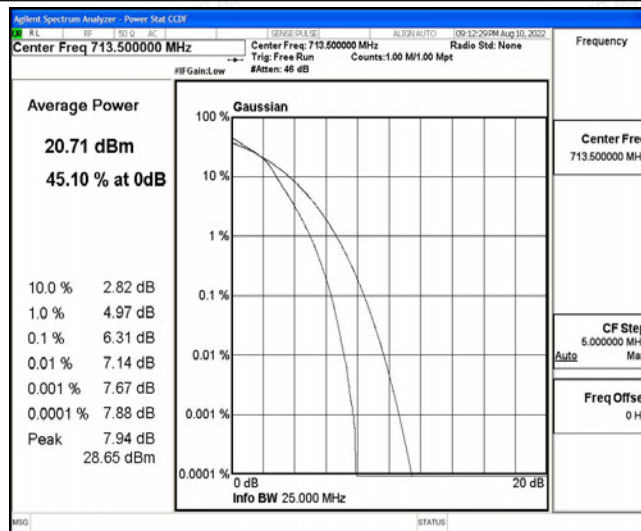


Band17-5MHz-16QAM-23790-25RB#0

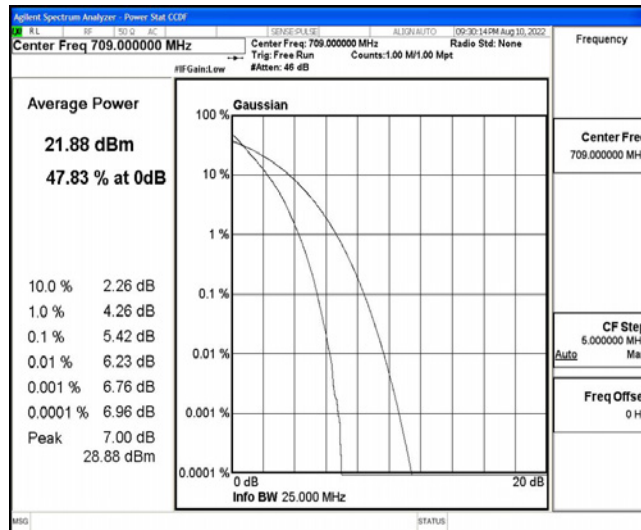


Band17-5MHz-16QAM-23825-25RB#0

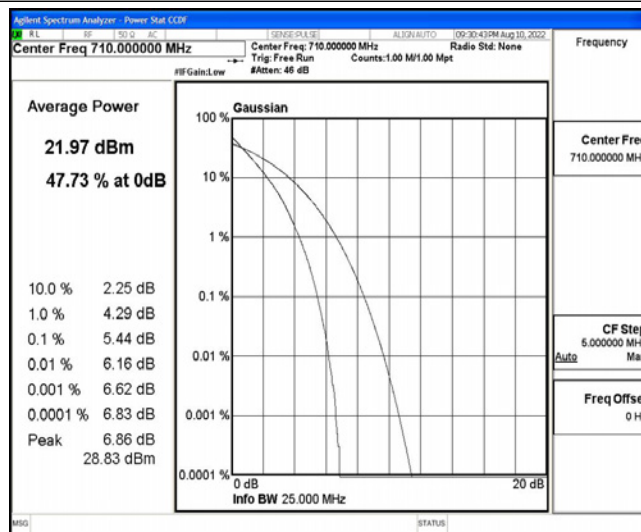




Band17-10MHz-QPSK-23780-50RB#0

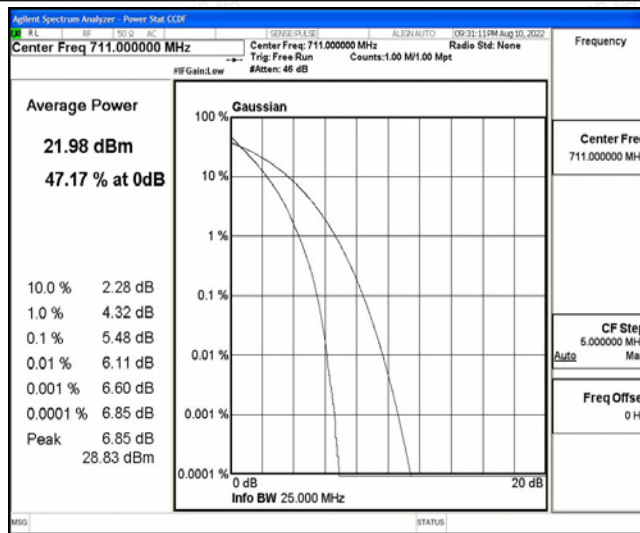


Band17-10MHz-QPSK-23790-50RB#0

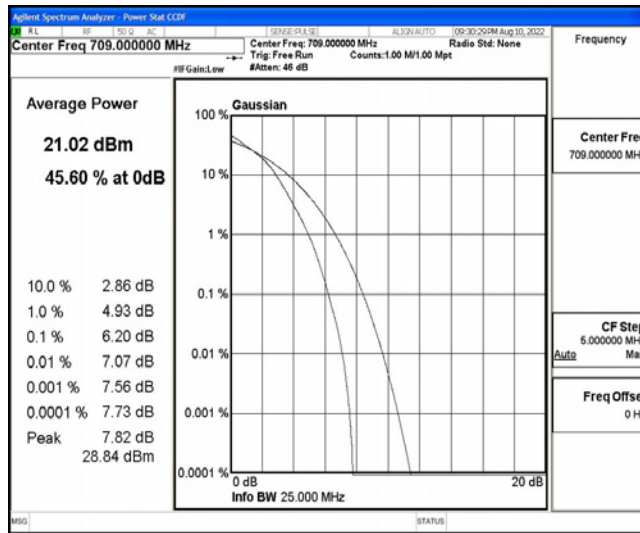


Band17-10MHz-QPSK-23800-50RB#0

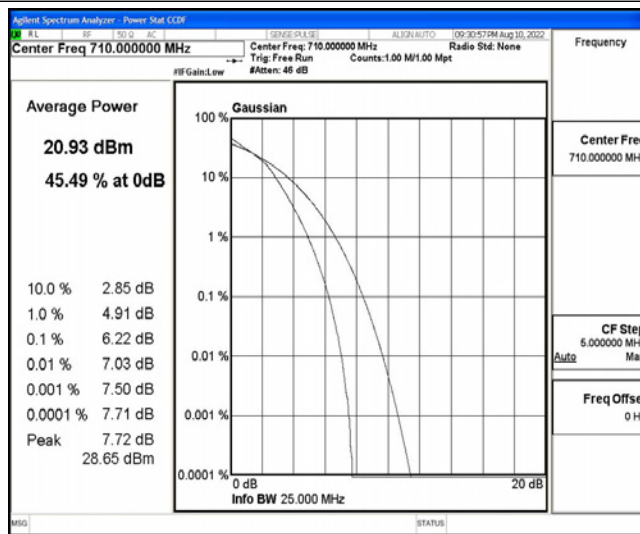




Band17-10MHz-16QAM-23780-50RB#0

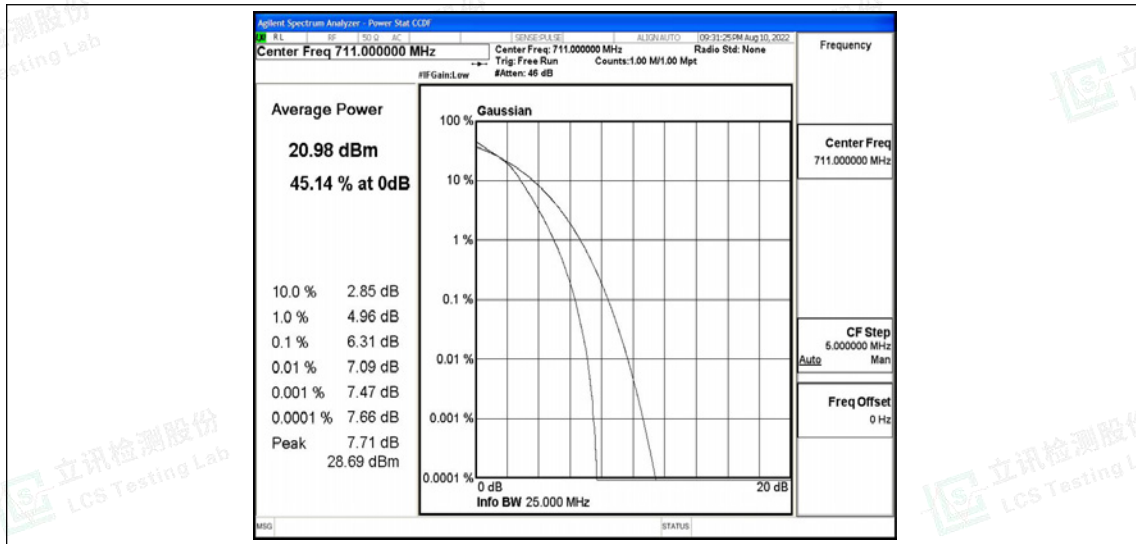


Band17-10MHz-16QAM-23790-50RB#0



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







I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

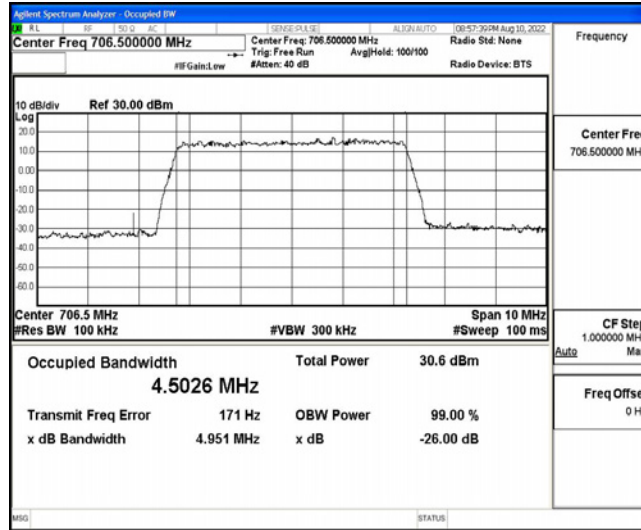
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5026	4.951	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4950	4.966	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5174	4.967	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5075	4.954	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4977	4.977	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5302	5.018	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9505	9.854	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9599	9.894	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9640	9.873	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9708	9.878	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9469	9.850	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9547	9.880	PASS



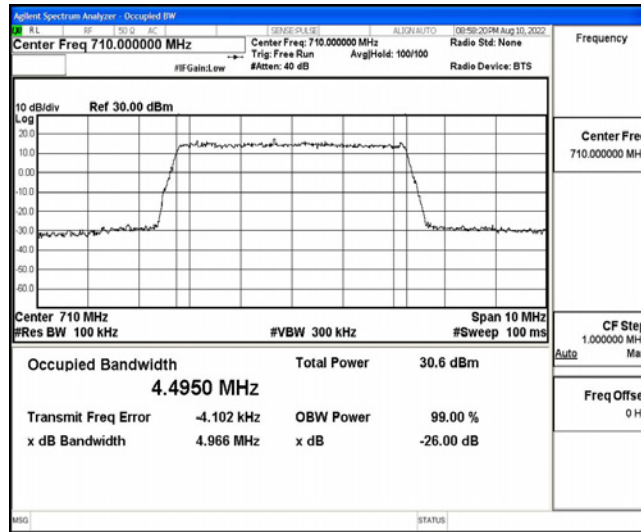


Test Graphs

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

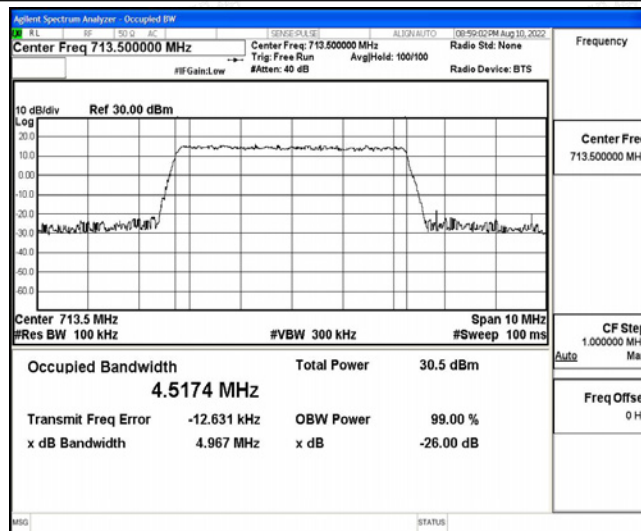


Band17-5MHz-QPSK-23790-25RB#0

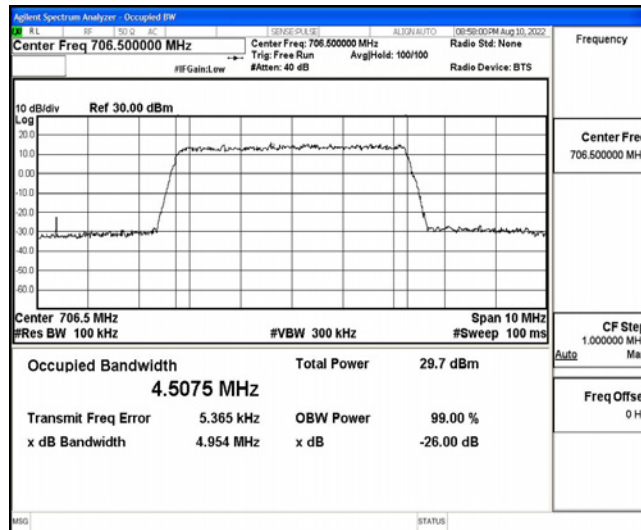


Band17-5MHz-QPSK-23825-25RB#0

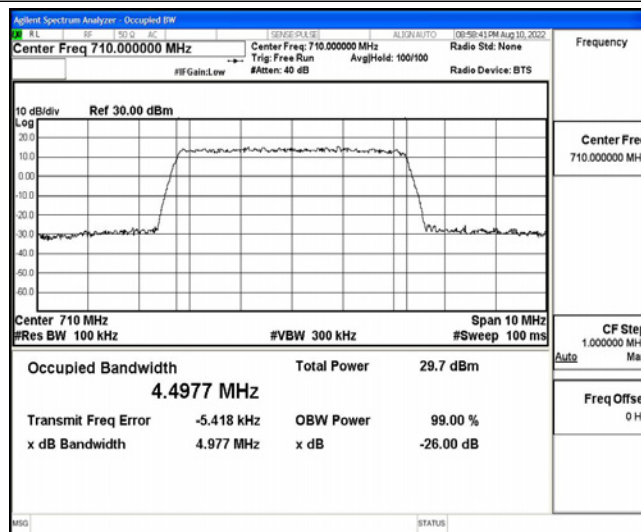




Band17-5MHz-16QAM-23755-25RB#0

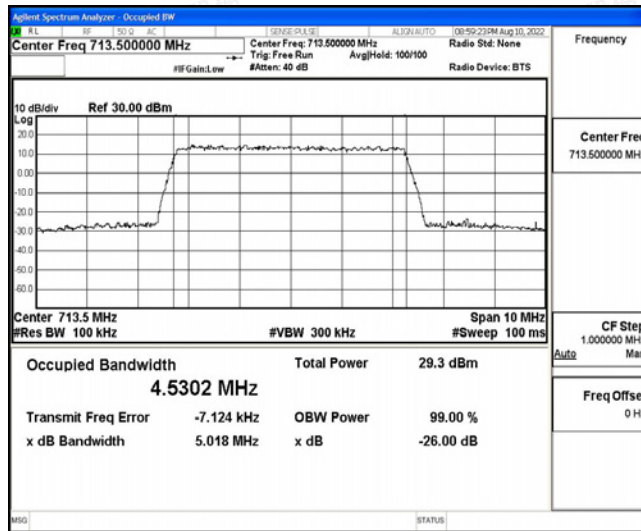


Band17-5MHz-16QAM-23790-25RB#0

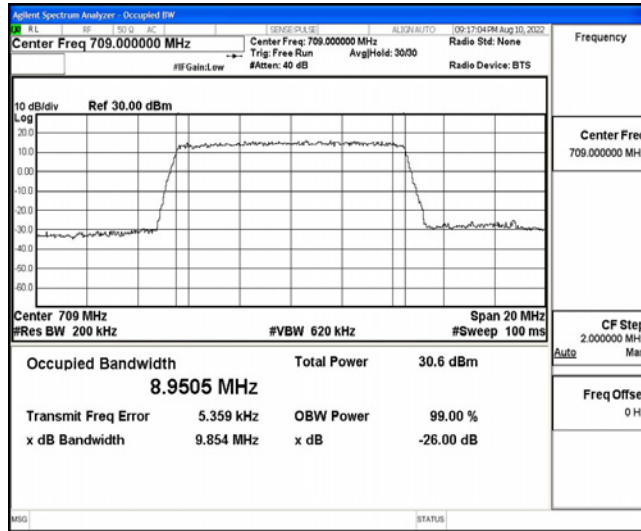


Band17-5MHz-16QAM-23825-25RB#0

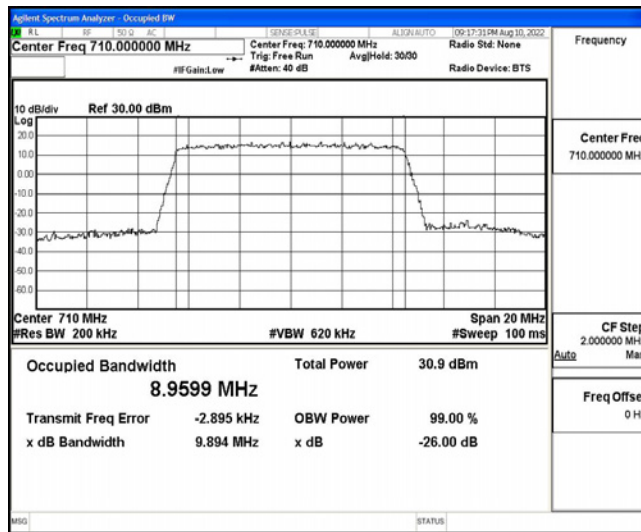




Band17-10MHz-QPSK-23780-50RB#0

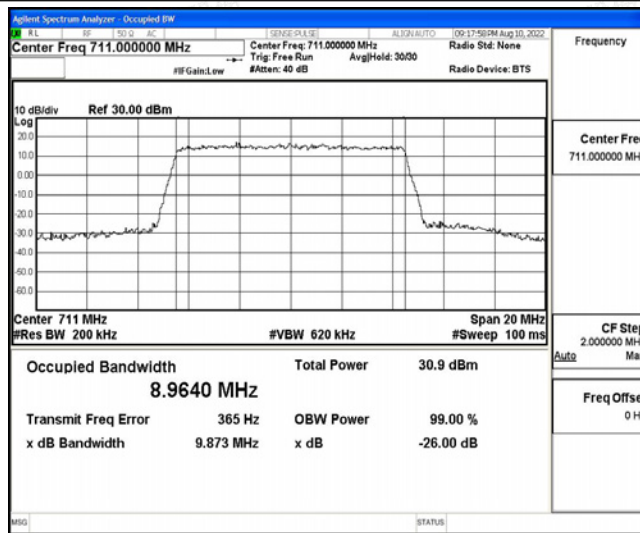


Band17-10MHz-QPSK-23790-50RB#0

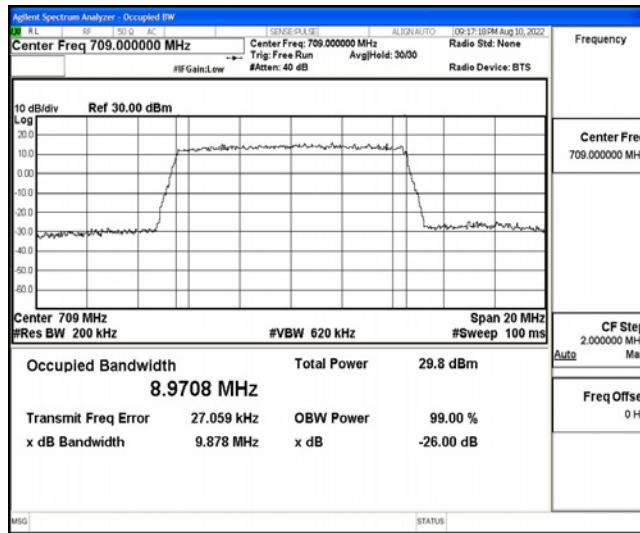


Band17-10MHz-QPSK-23800-50RB#0

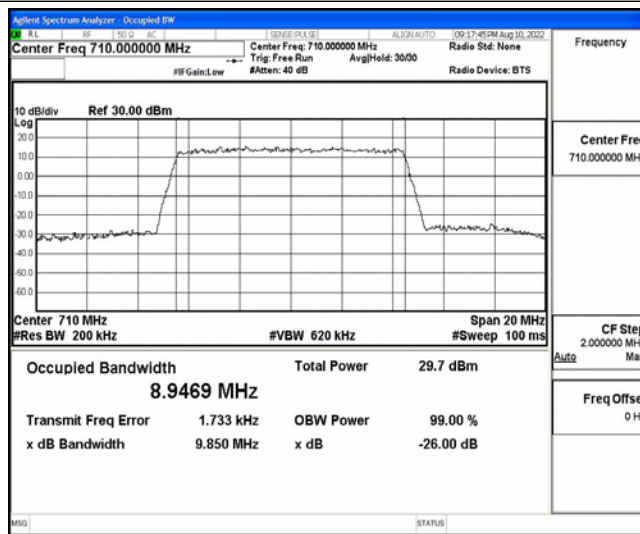




Band17-10MHz-16QAM-23780-50RB#0

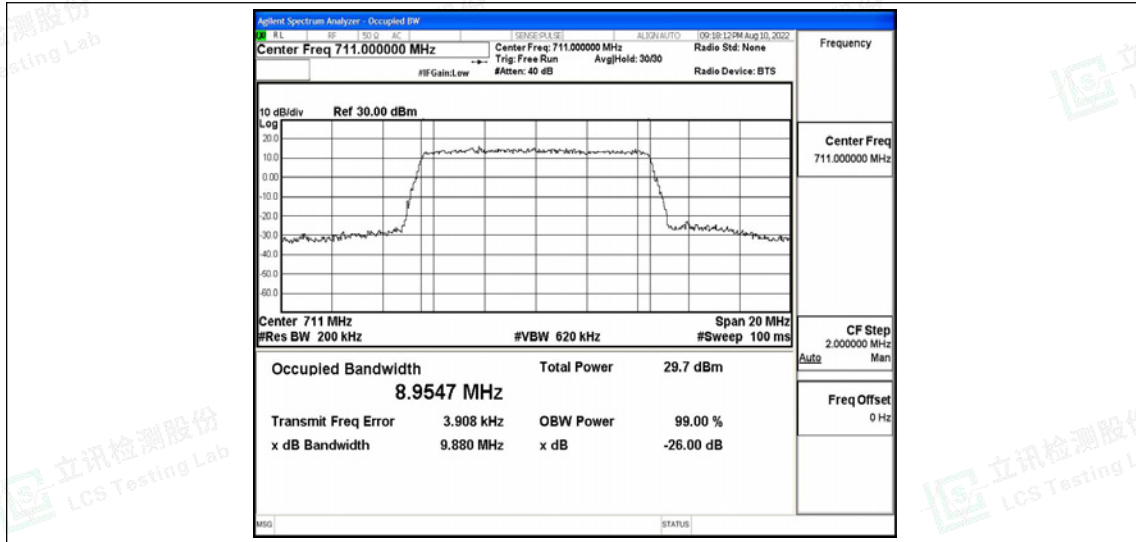


Band17-10MHz-16QAM-23790-50RB#0



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





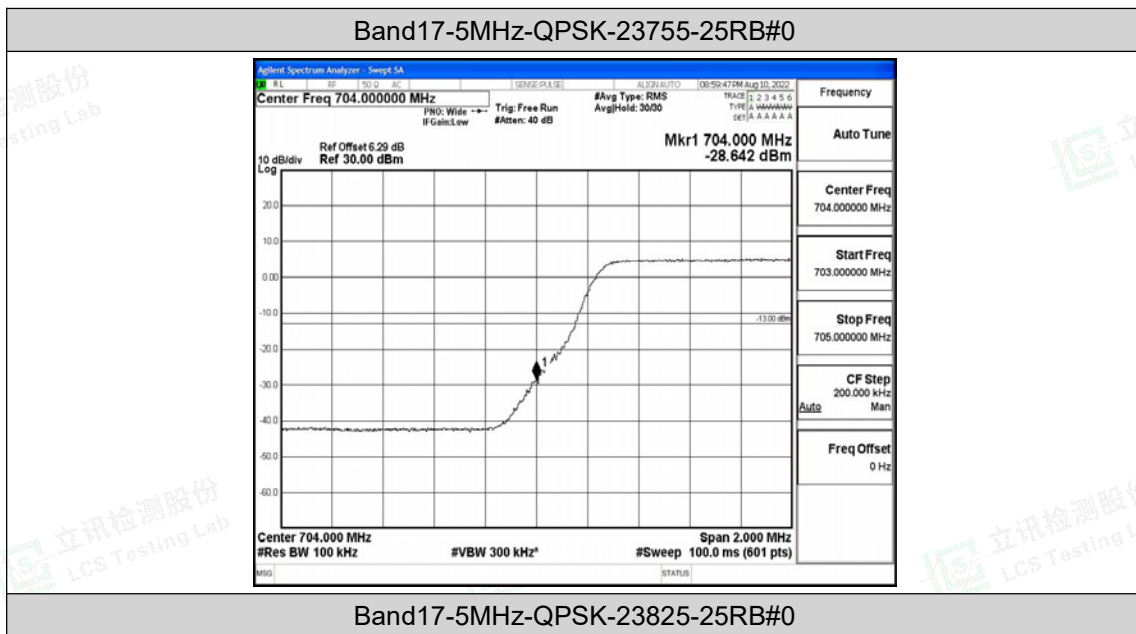


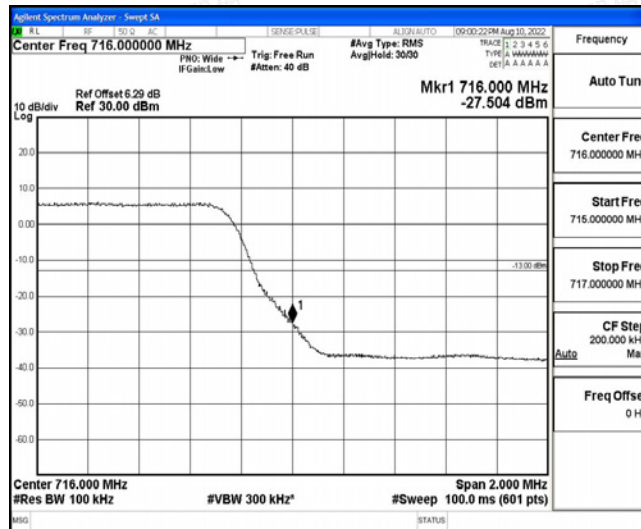
I.4 Band Edge

Test Result

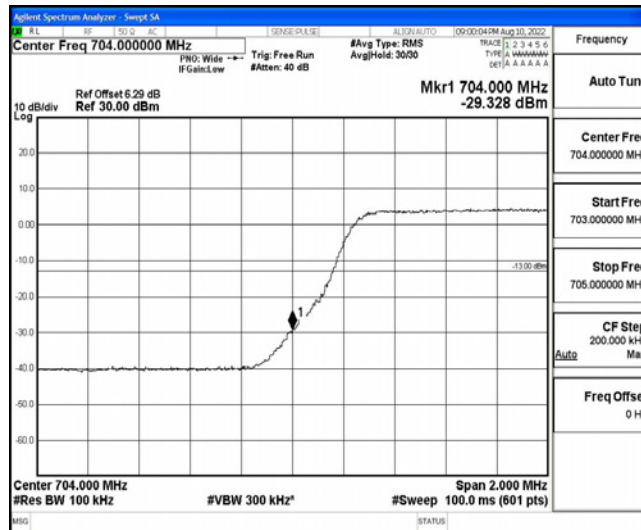
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-28.64	PASS
Band17	5MHz	QPSK	23825	25RB#0	-27.50	PASS
Band17	5MHz	16QAM	23755	25RB#0	-29.33	PASS
Band17	5MHz	16QAM	23825	25RB#0	-28.17	PASS
Band17	10MHz	QPSK	23780	50RB#0	-35.73,-31.70	PASS
Band17	10MHz	QPSK	23800	50RB#0	-29.84,-33.40	PASS
Band17	10MHz	16QAM	23780	50RB#0	-35.74,-32.29	PASS
Band17	10MHz	16QAM	23800	50RB#0	-30.76,-32.96	PASS

Test Graphs

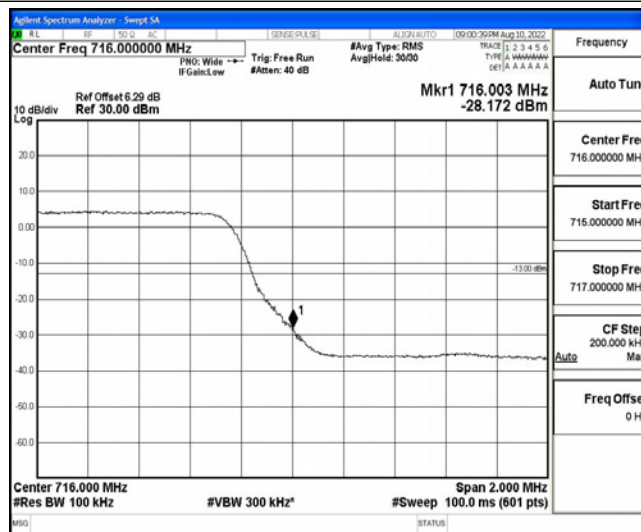




Band17-5MHz-16QAM-23755-25RB#0

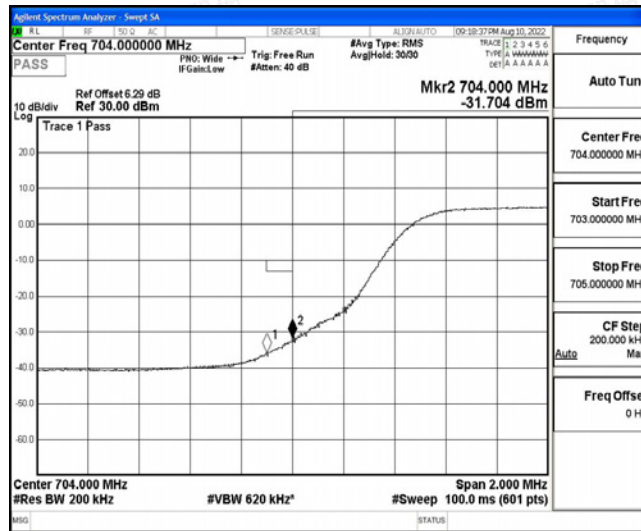


Band17-5MHz-16QAM-23825-25RB#0

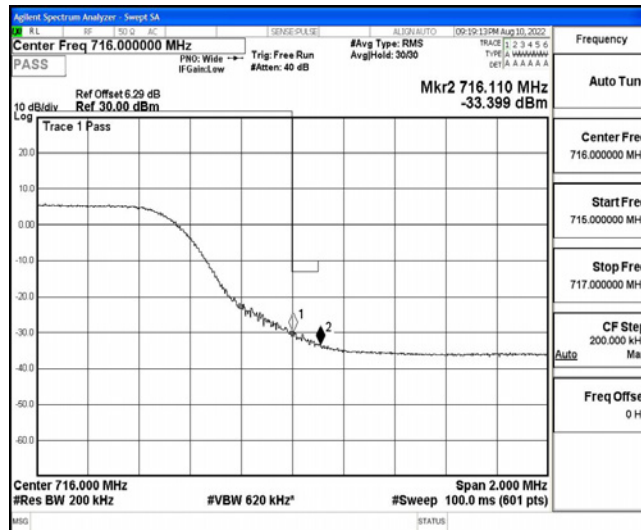


Band17-10MHz-QPSK-23780-50RB#0

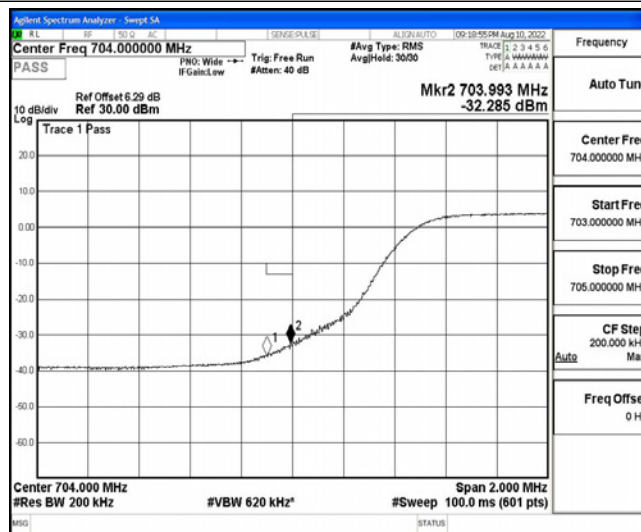




Band17-10MHz-QPSK-23800-50RB#0

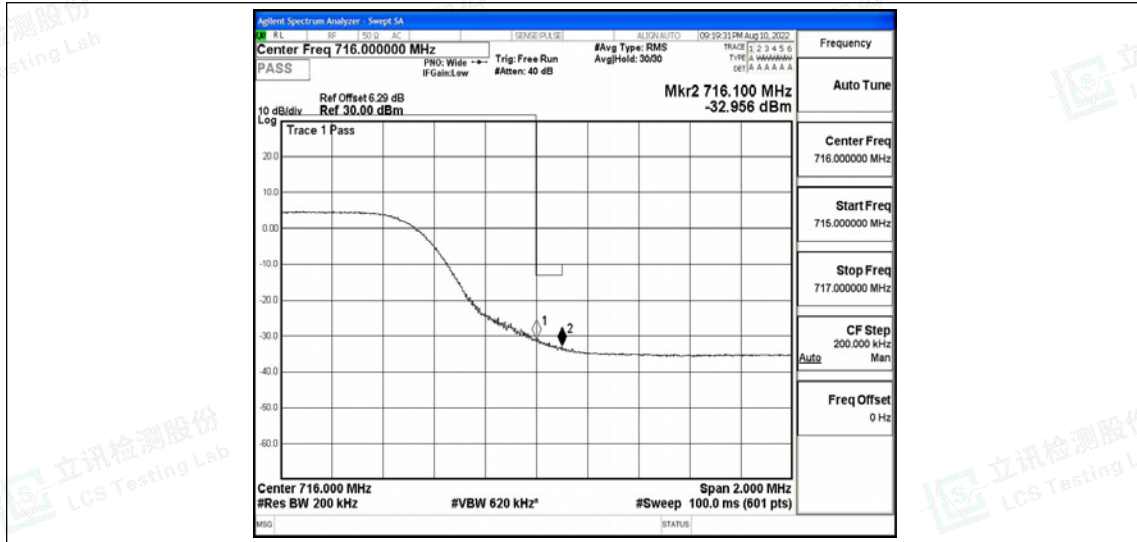


Band17-10MHz-16QAM-23780-50RB#0



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	-55.94	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-40.66	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	-30.88	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-56.75	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-51.44	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-41.18	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-30.83	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	-54.36	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-52.49	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-41.02	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	-31.57	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	-56.25	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-52.19	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-40.09	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	-32.56	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-57.49	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-51.89	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-41.57	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-32.97	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	-55.79	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-51.27	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-40.37	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	-32.06	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	-55.65	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-40.85	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	-31.25	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-56.08	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-49.25	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-41.36	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	-30.94	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	-55.4	PASS

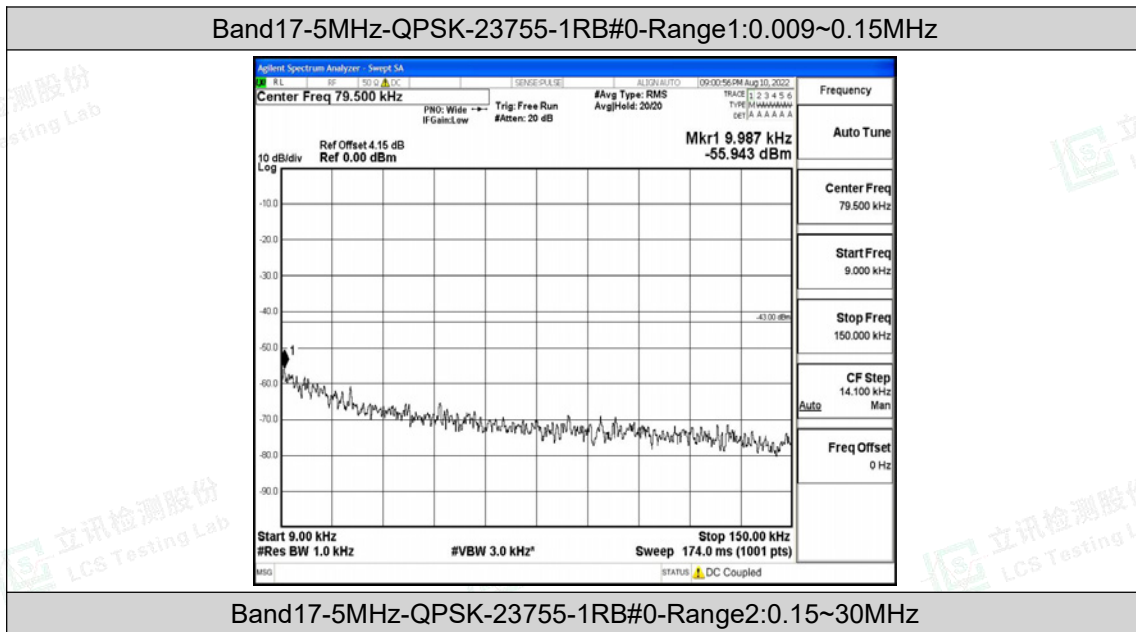


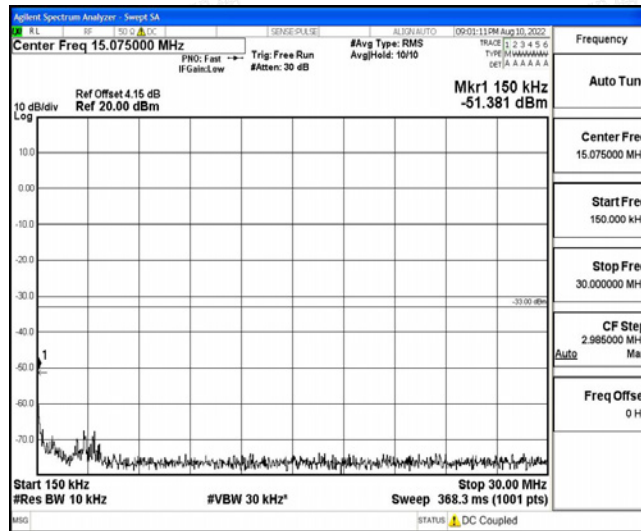
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 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



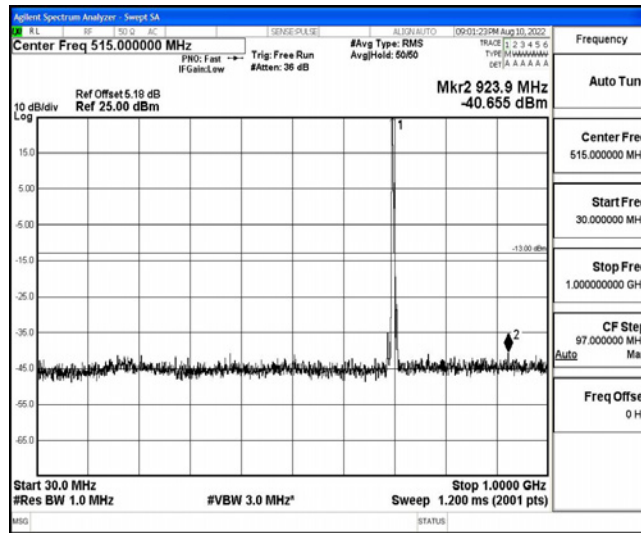
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-51.74	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	-30.92	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	-56.17	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-51.16	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	-40.85	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	-30.23	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-54.91	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-49.24	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-41.3	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	-31.92	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	-55.81	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-50.2	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-41.36	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	-31.77	PASS

Test Graphs

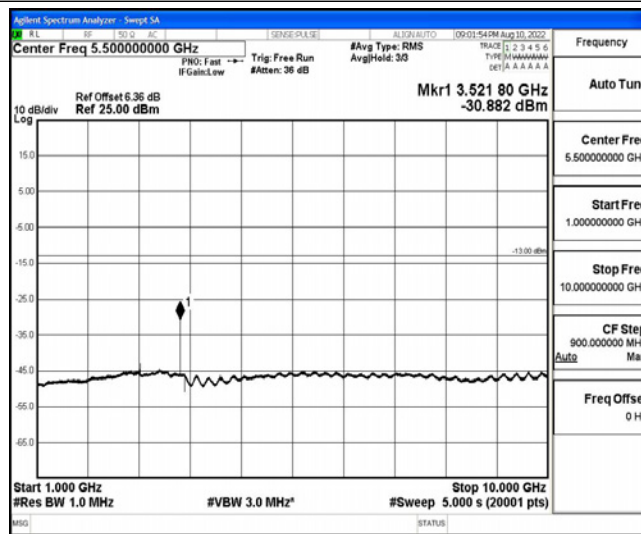




Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz

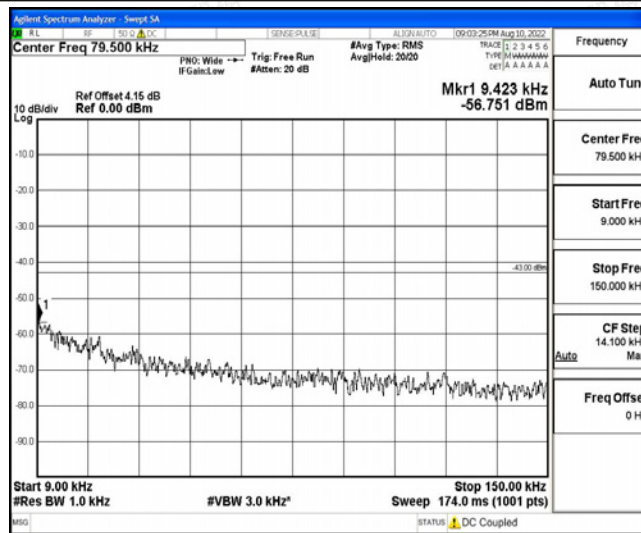


Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz

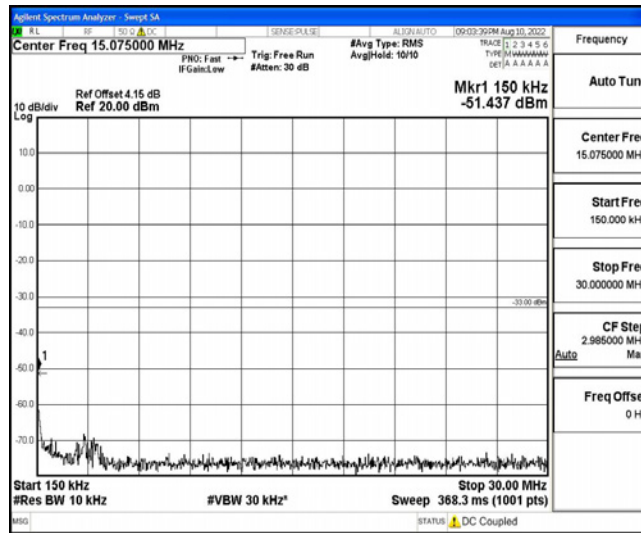


Band17-5MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz

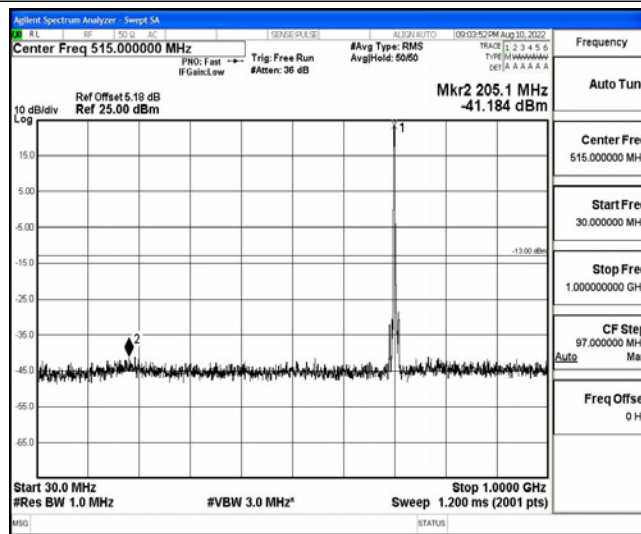




Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz

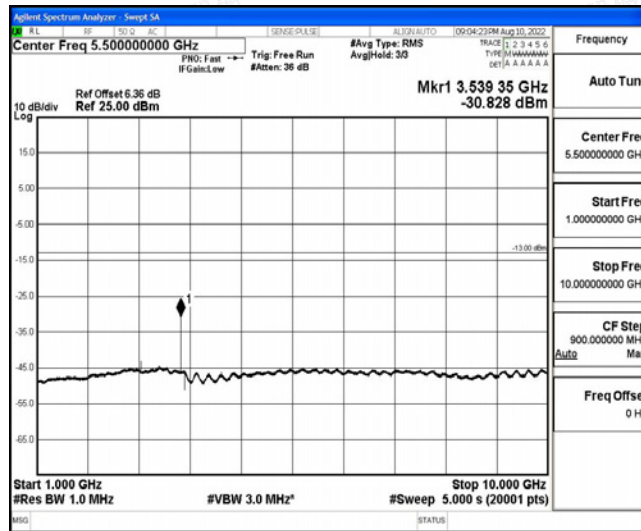


Band17-5MHz-QPSK-23790-1RB#0-Range3:30~1000MHz

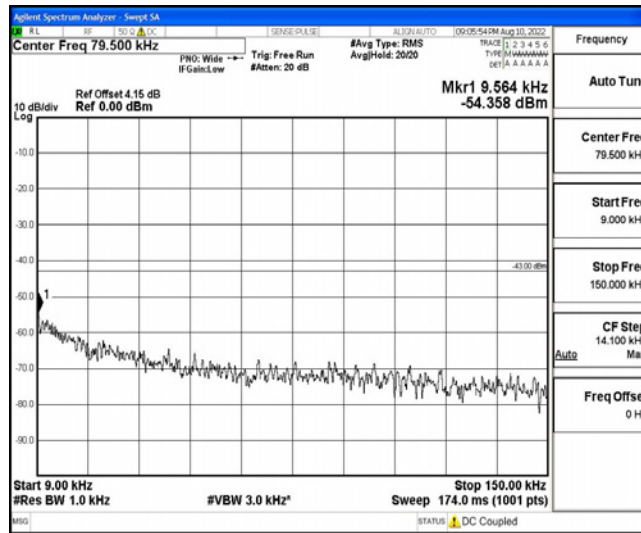


Band17-5MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz

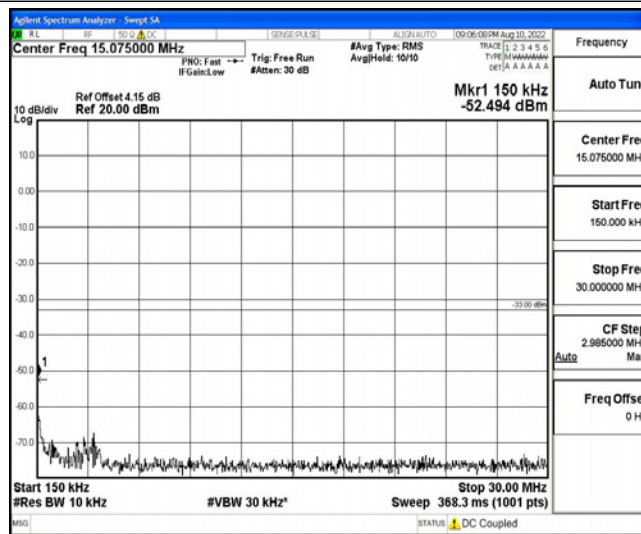




Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz

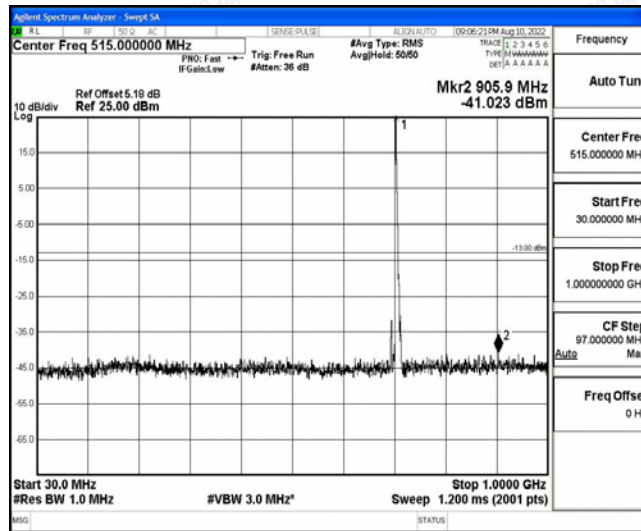


Band17-5MHz-QPSK-23825-1RB#0-Range2:0.15~30MHz

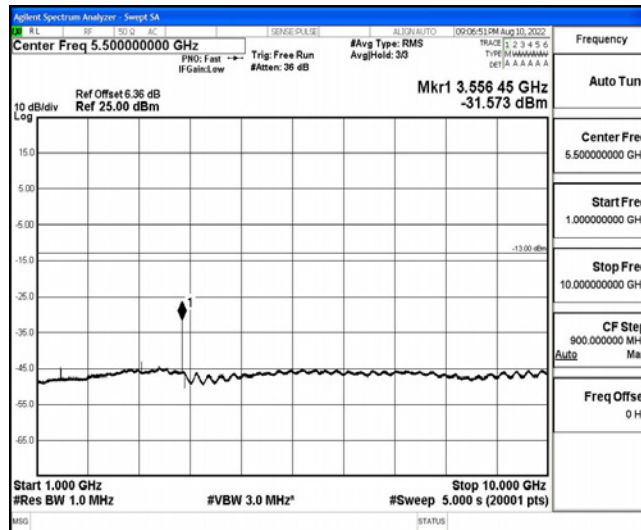


Band17-5MHz-QPSK-23825-1RB#0-Range3:30~1000MHz

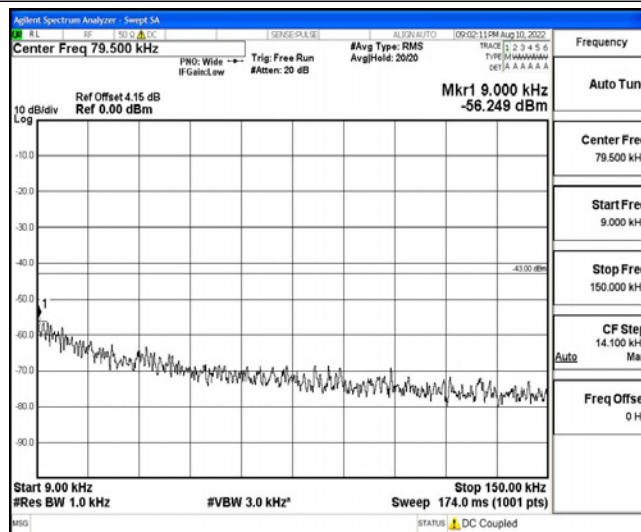




Band17-5MHz-QPSK-23825-1RB#0-Range4: 1000~10000MHz

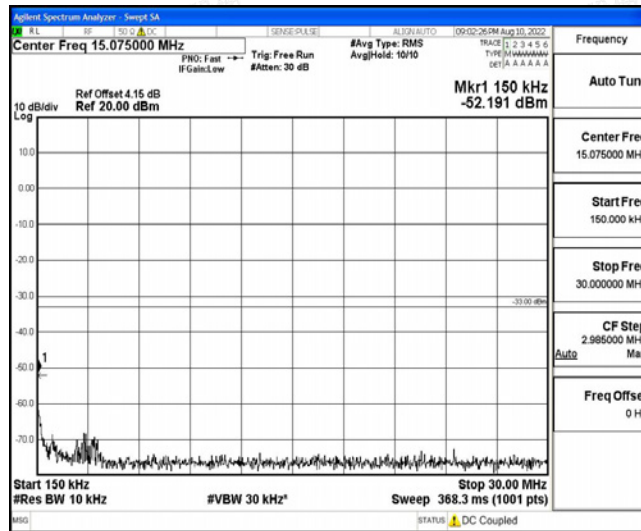


Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz

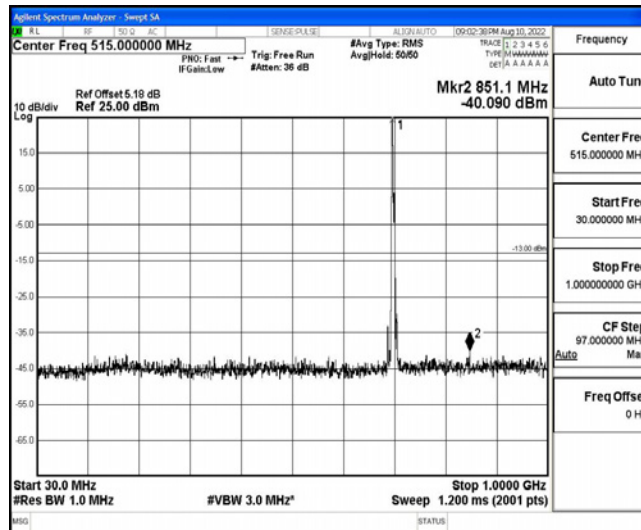


Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz

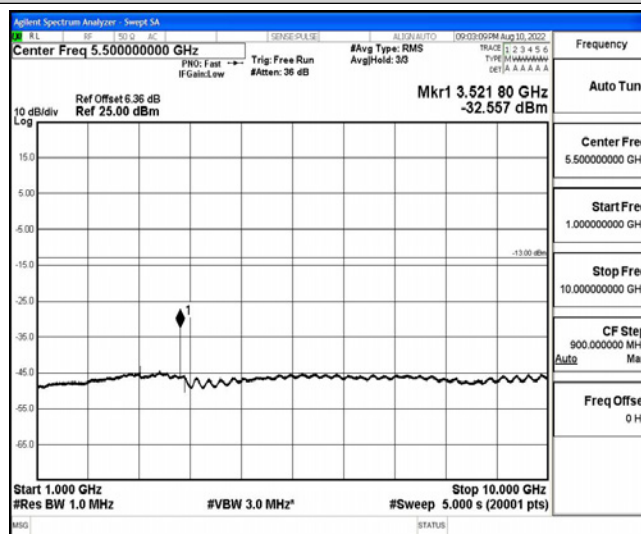




Band17-5MHz-16QAM-23755-1RB#0-Range3:30~1000MHz

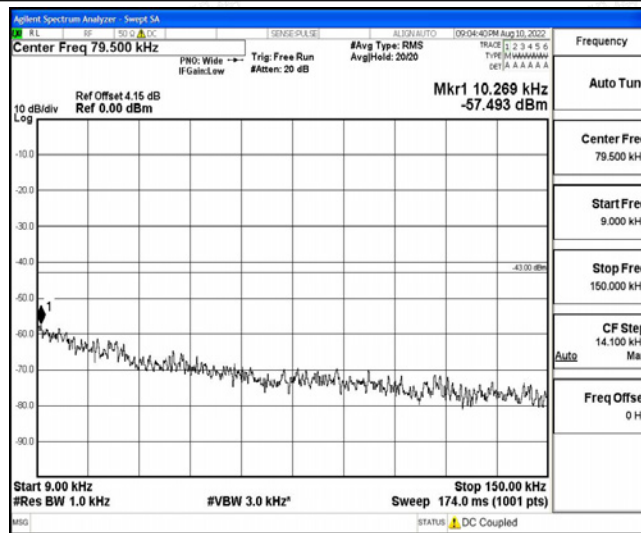


Band17-5MHz-16QAM-23755-1RB#0-Range4:1000~10000MHz

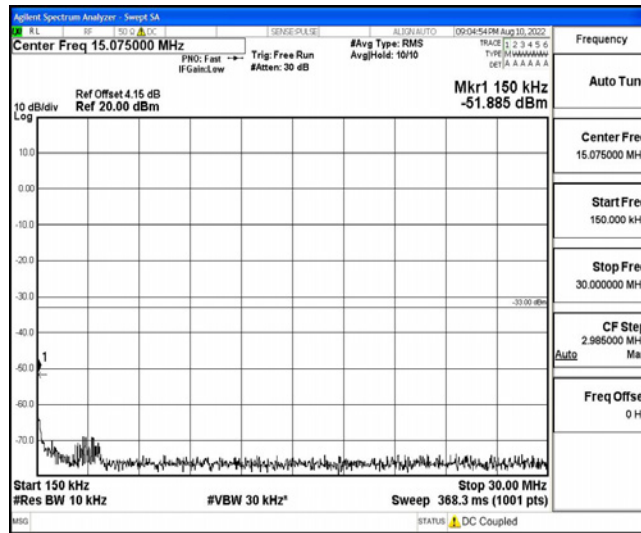


Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz

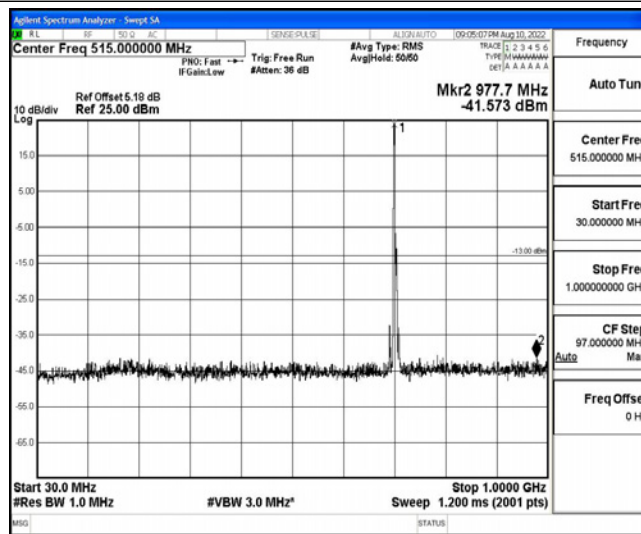




Band17-5MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz

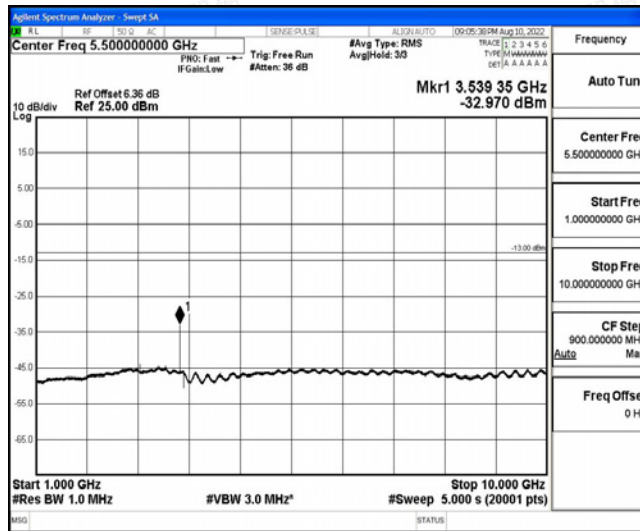


Band17-5MHz-16QAM-23790-1RB#0-Range3:30~1000MHz

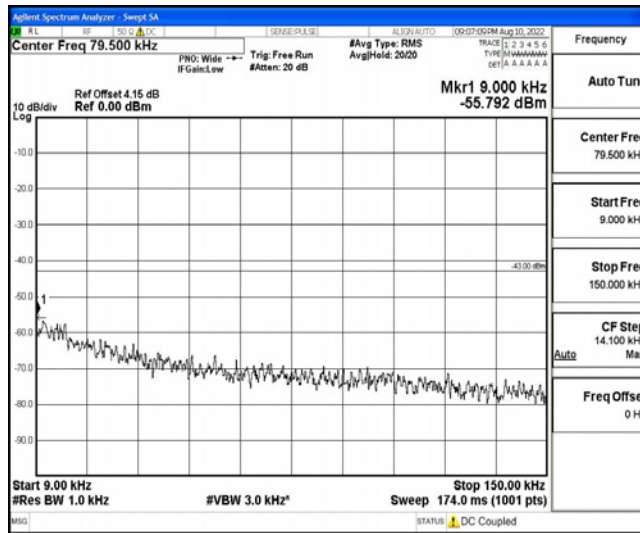


Band17-5MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz

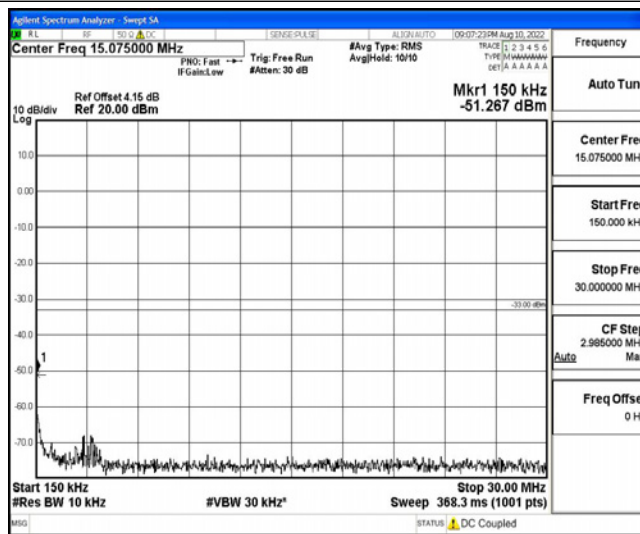




Band17-5MHz-16QAM-23825-1RB#0-Range1:0.009~0.15MHz

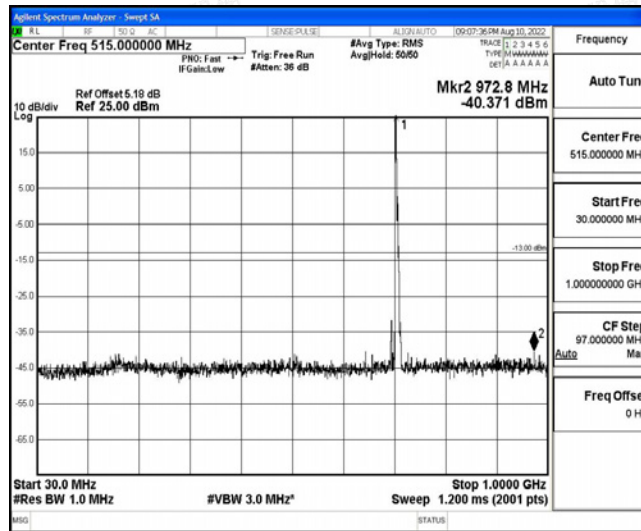


Band17-5MHz-16QAM-23825-1RB#0-Range2:0.15~30MHz

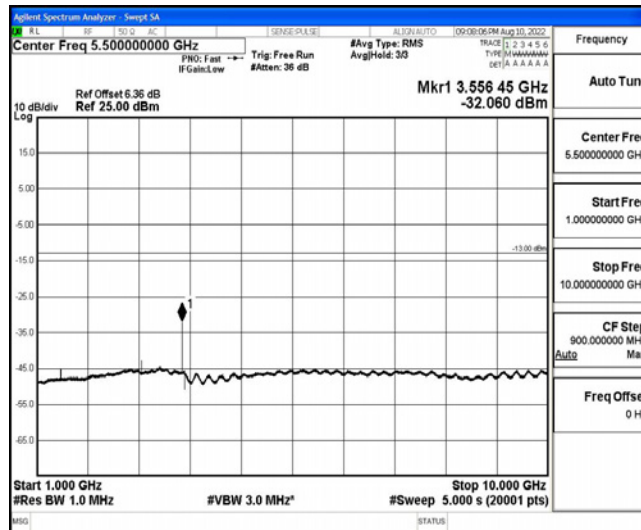


Band17-5MHz-16QAM-23825-1RB#0-Range3:30~1000MHz

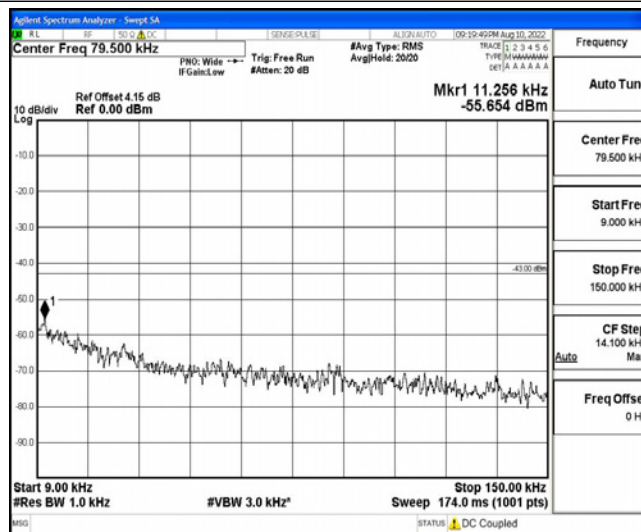




Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz

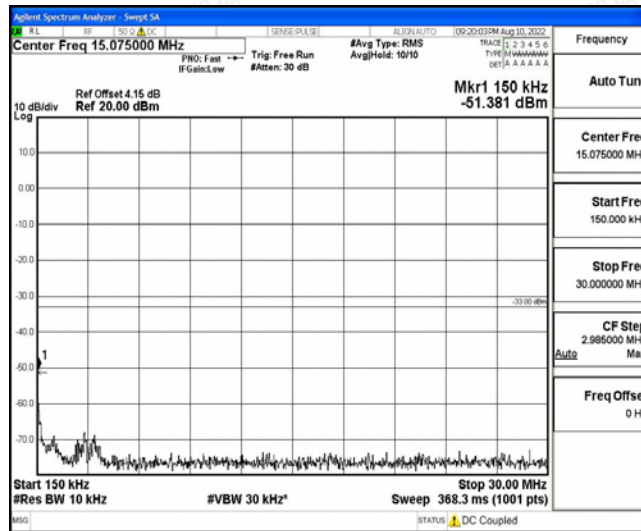


Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz

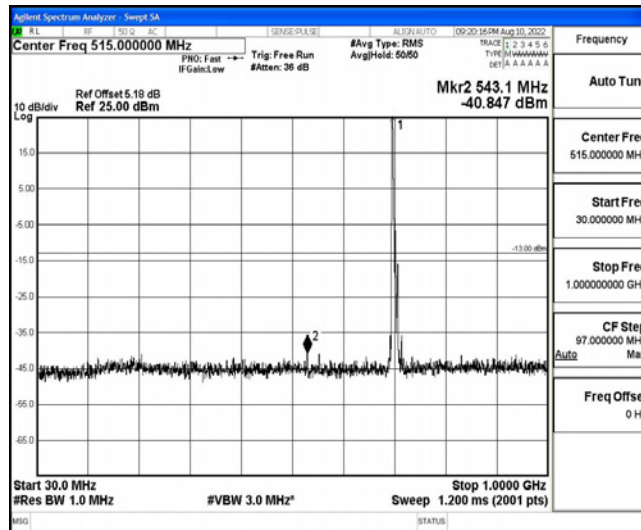


Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz

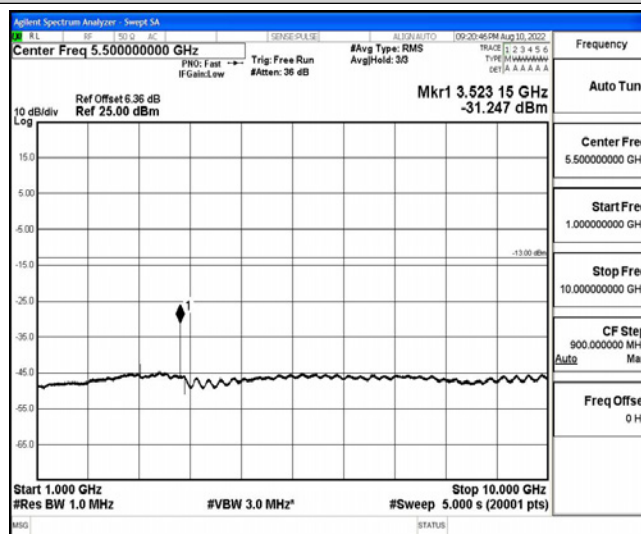




Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz

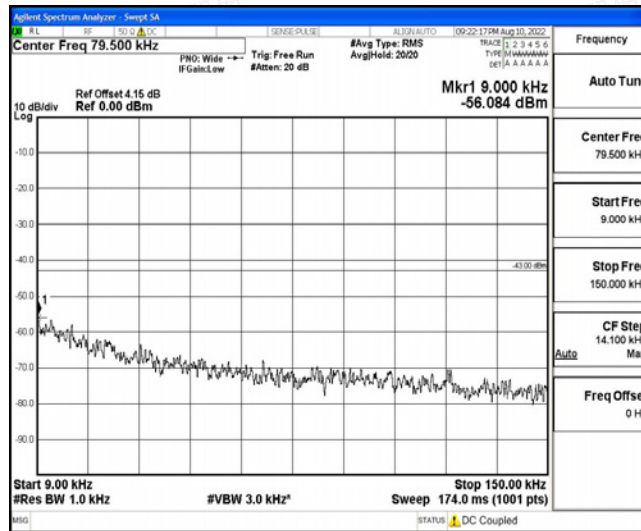


Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz

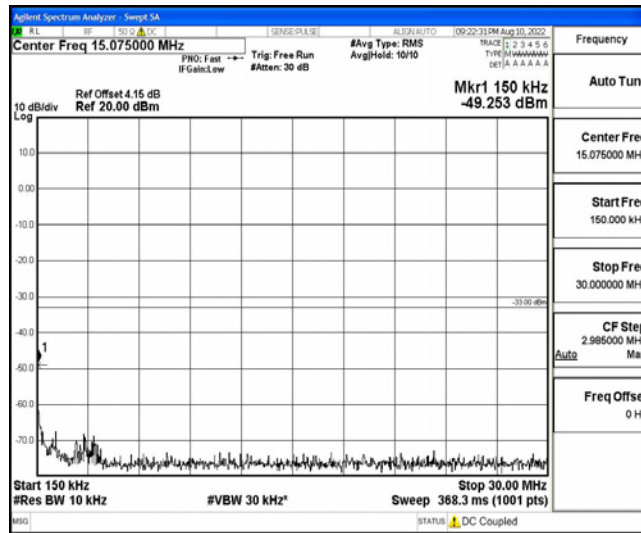


Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz

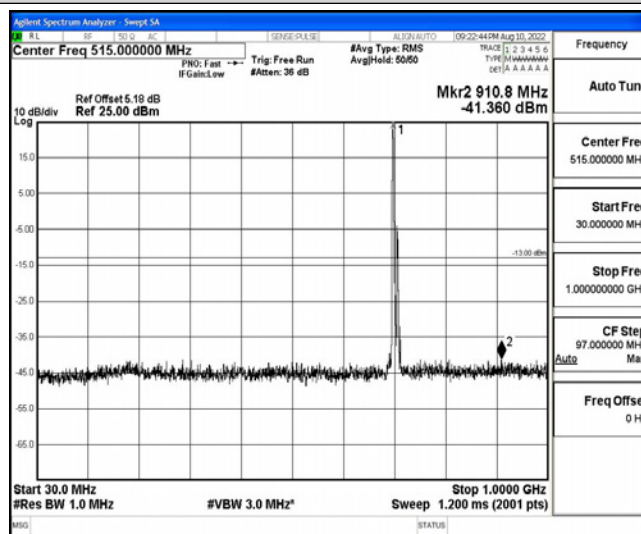




Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz

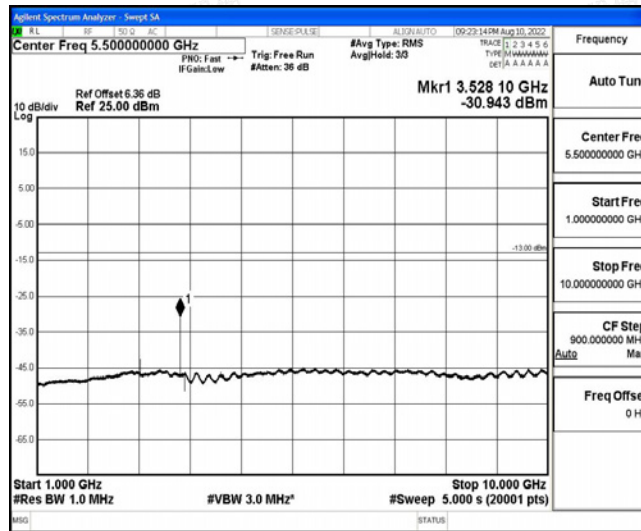


Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz

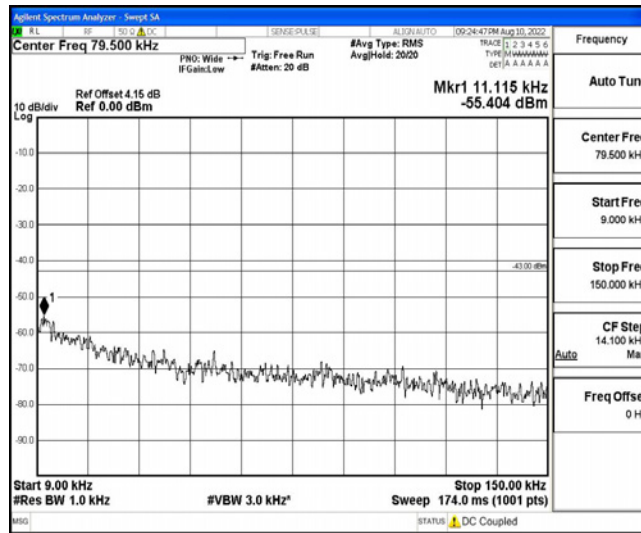


Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz

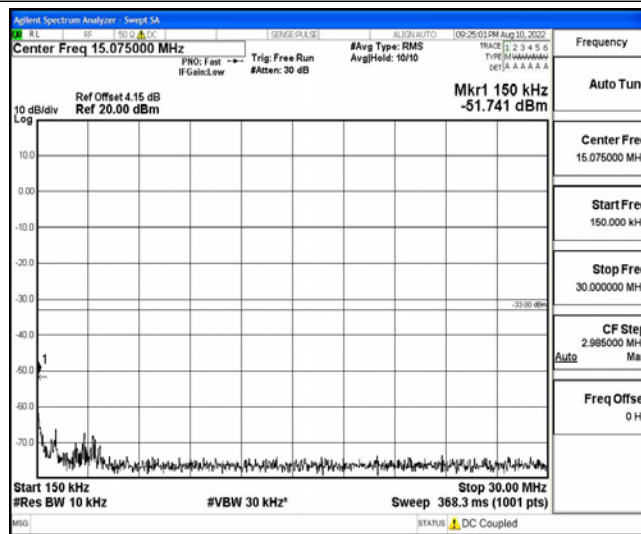




Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz

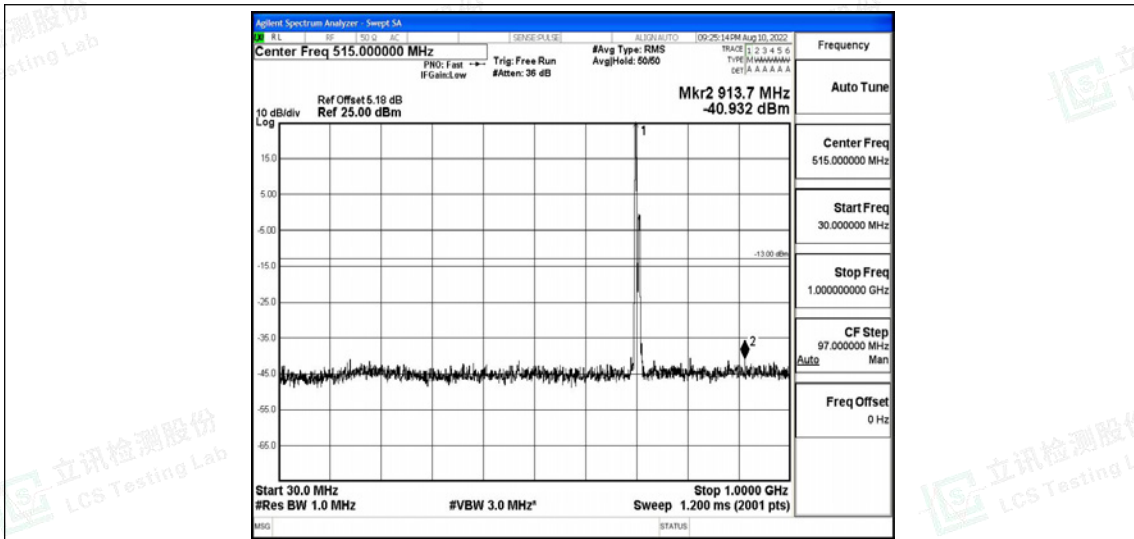


Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz

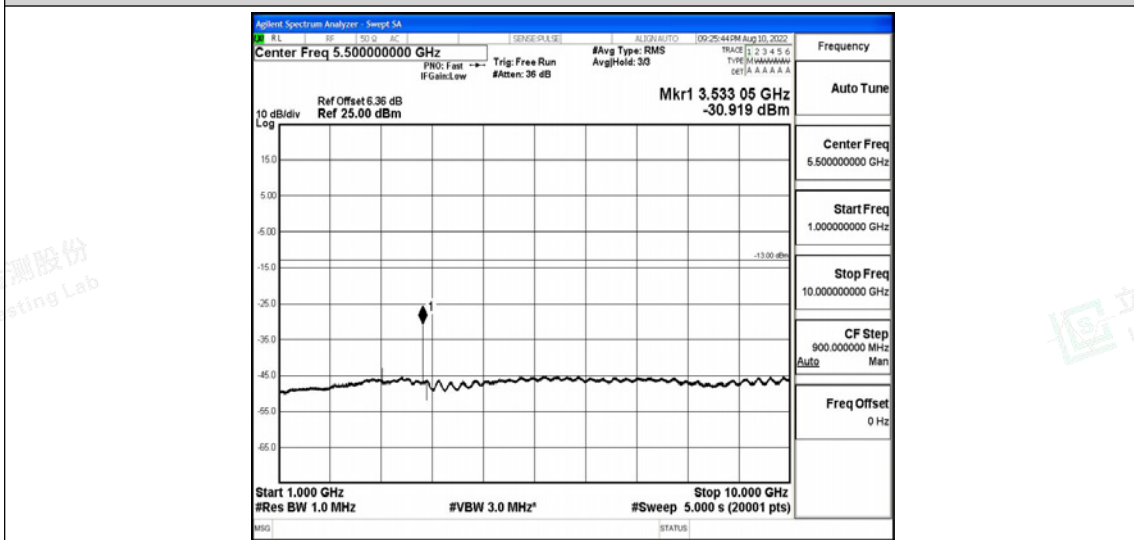


Band17-10MHz-QPSK-23800-1RB#0-Range3:30~1000MHz

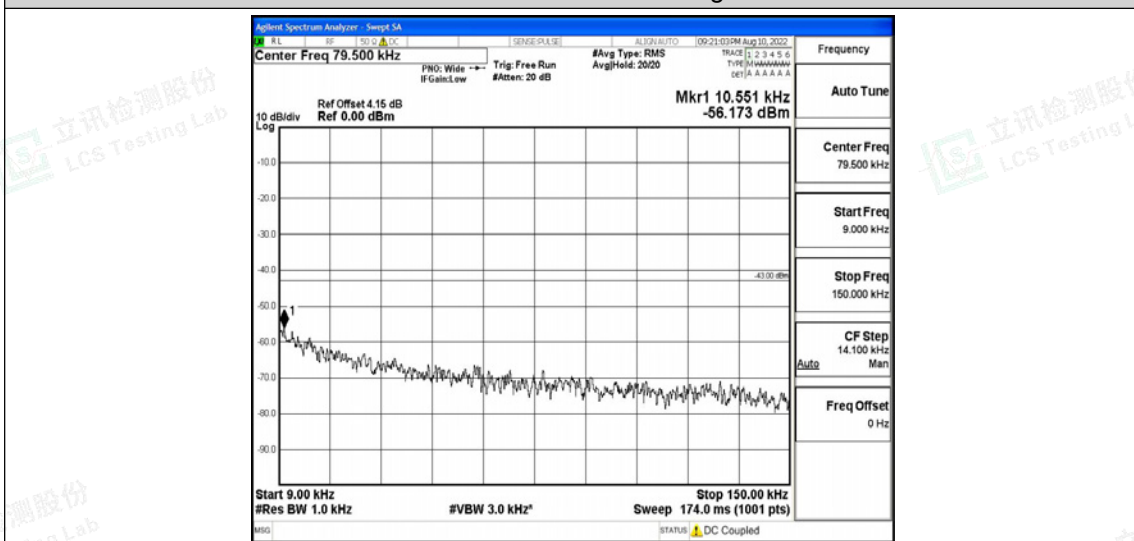




Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz

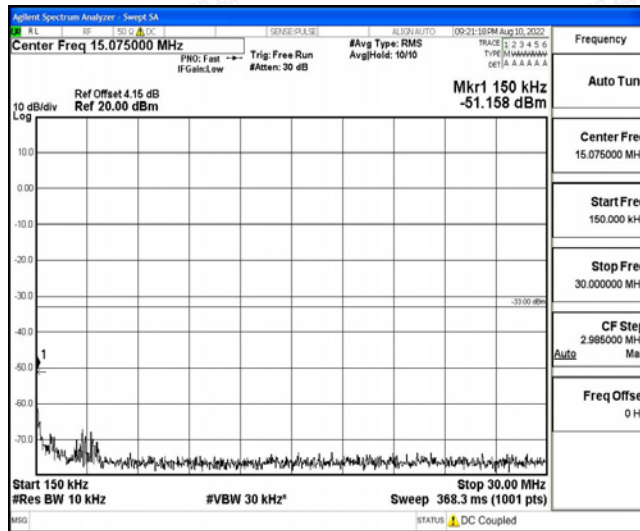


Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz

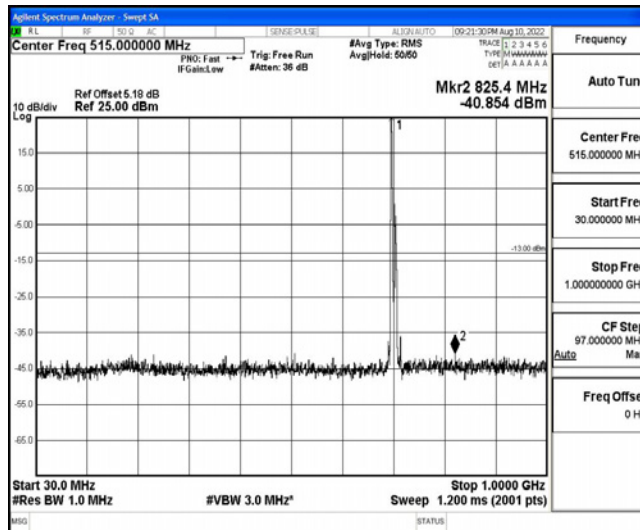


Band17-10MHz-16QAM-23780-1RB#0-Range2:0.15~30MHz

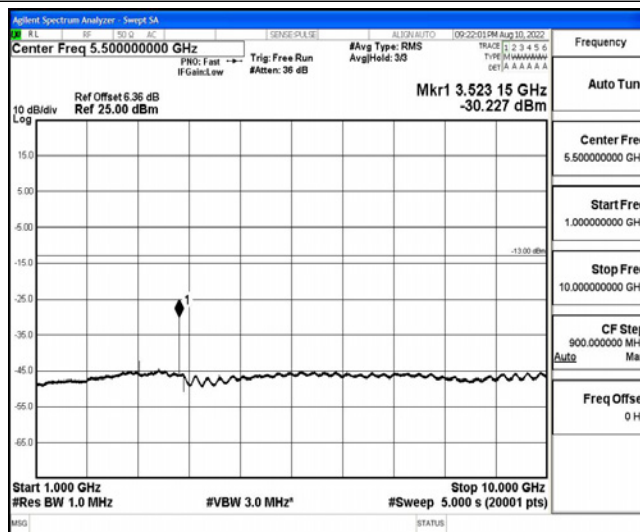




Band17-10MHz-16QAM-23780-1RB#0-Range3:30~1000MHz

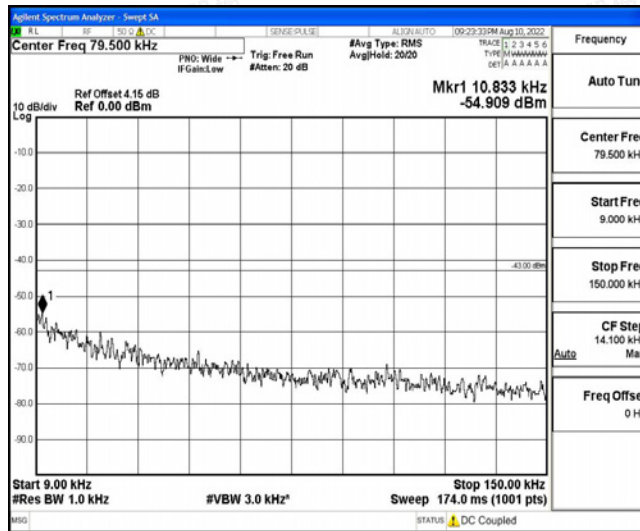


Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz

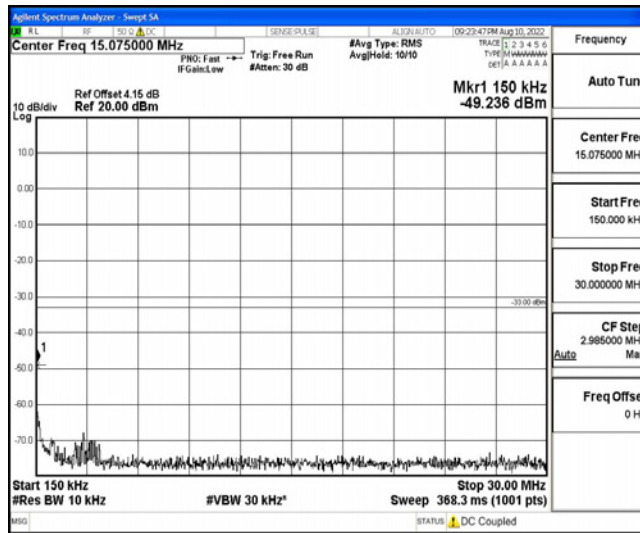


Band17-10MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz

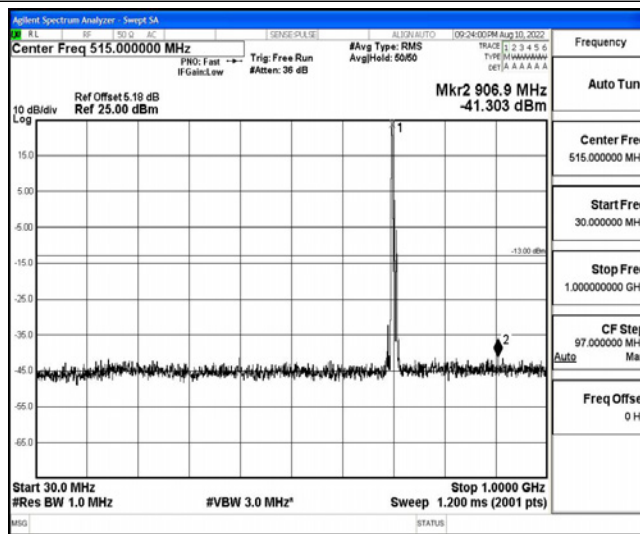




Band17-10MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz

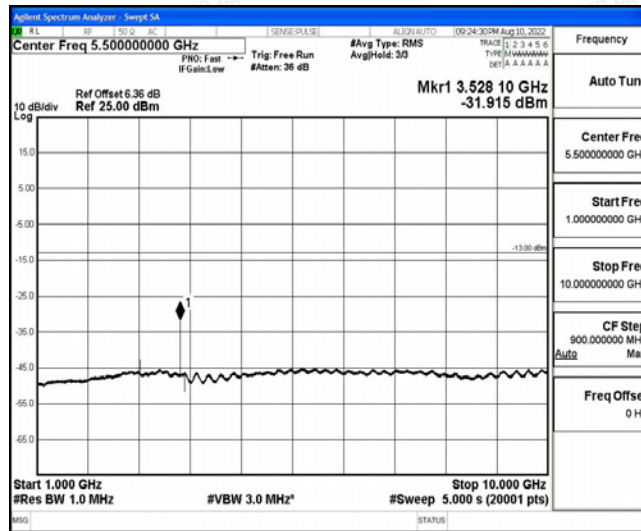


Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz

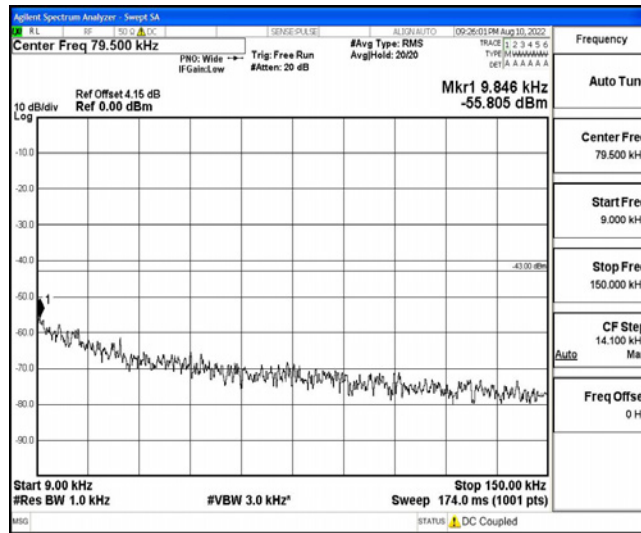


Band17-10MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz

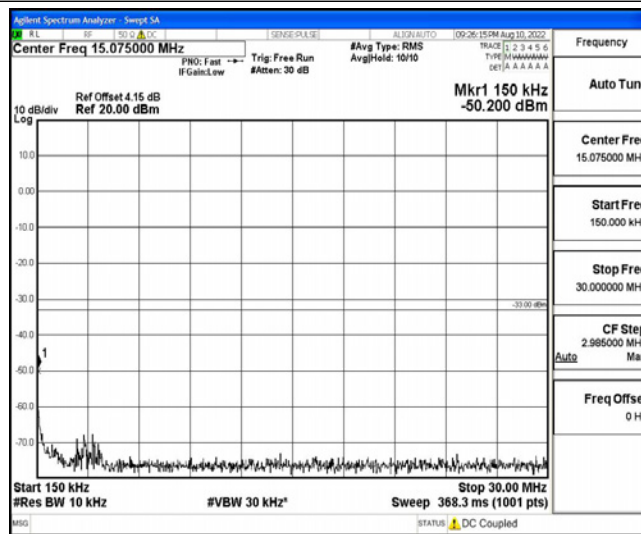




Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz

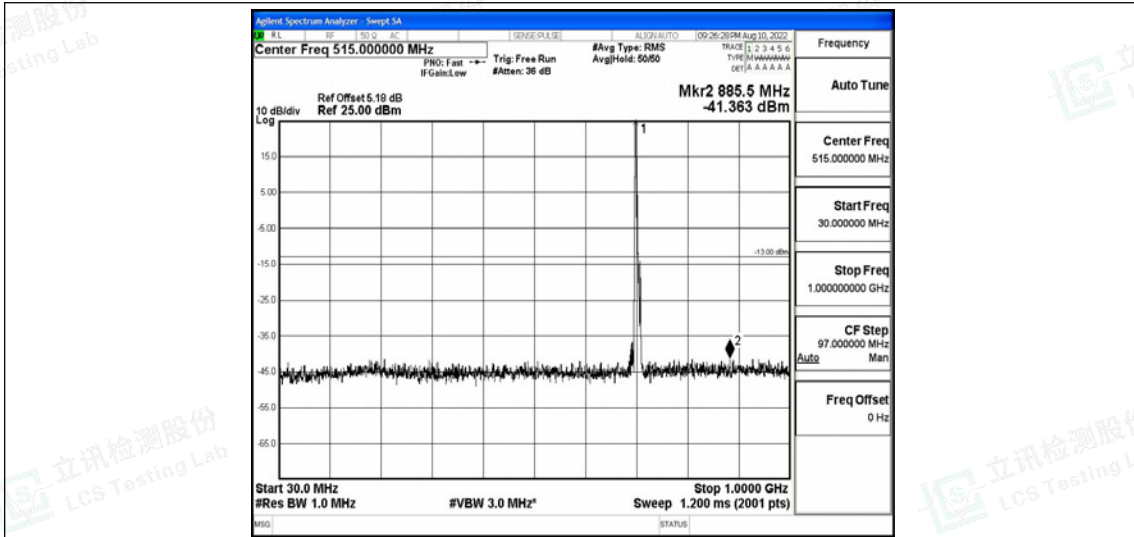


Band17-10MHz-16QAM-23800-1RB#0-Range2:0.15~30MHz



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





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

