



Appendix I: Test Data for E-UTRA Band 17

Product Name: 4G PHONE

Test Model: MiniVision2

Environmental Conditions

Temperature:	23.5° 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	21.81	PASS
Band17	5MHz	QPSK	23755	1RB#12	21.78	PASS
Band17	5MHz	QPSK	23755	1RB#24	21.80	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.03	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.06	PASS
Band17	5MHz	QPSK	23755	12RB#13	20.97	PASS
Band17	5MHz	QPSK	23755	25RB#0	20.95	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.06	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.20	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.10	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.18	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.15	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.20	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.16	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.17	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.07	PASS
Band17	5MHz	QPSK	23825	1RB#24	21.86	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.14	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.20	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.09	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.25	PASS
Band17	5MHz	16QAM	23755	1RB#0	20.66	PASS
Band17	5MHz	16QAM	23755	1RB#12	20.59	PASS
Band17	5MHz	16QAM	23755	1RB#24	20.58	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.15	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.11	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.26	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.27	PASS
Band17	5MHz	16QAM	23790	1RB#0	20.57	PASS
Band17	5MHz	16QAM	23790	1RB#12	20.54	PASS
Band17	5MHz	16QAM	23790	1RB#24	20.57	PASS
Band17	5MHz	16QAM	23790	12RB#0	20.28	PASS



Band17	5MHz	16QAM	23790	12RB#6	20.26	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.27	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.50	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.02	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.43	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.34	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.39	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.29	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.28	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.26	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.35	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.14	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.25	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.38	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.38	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.32	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.26	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.20	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.09	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.06	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.35	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.49	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.41	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.40	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.19	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.39	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.44	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.48	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.50	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.56	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.39	PASS
Band17	10MHz	16QAM	23780	1RB#0	20.74	PASS
Band17	10MHz	16QAM	23780	1RB#24	20.69	PASS
Band17	10MHz	16QAM	23780	1RB#49	20.71	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.64	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.64	PASS
Band17	10MHz	16QAM	23780	25RB#25	20.65	PASS



Band17	10MHz	16QAM	23780	50RB#0	20.47	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.63	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.57	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.48	PASS
Band17	10MHz	16QAM	23790	25RB#0	20.53	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.52	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.55	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.73	PASS
Band17	10MHz	16QAM	23800	1RB#0	20.90	PASS
Band17	10MHz	16QAM	23800	1RB#24	20.84	PASS
Band17	10MHz	16QAM	23800	1RB#49	20.94	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.82	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.82	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.81	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.69	PASS



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

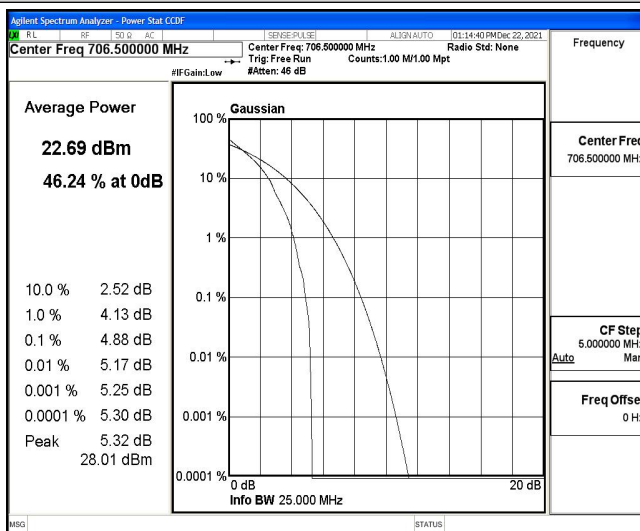
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.88	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.27	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.74	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.26	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.50	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.13	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.75	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.98	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.26	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.90	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.32	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.84	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.73	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.29	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.70	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.24	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.68	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.20	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.69	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.92	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.63	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.96	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.40	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.91	13	PASS

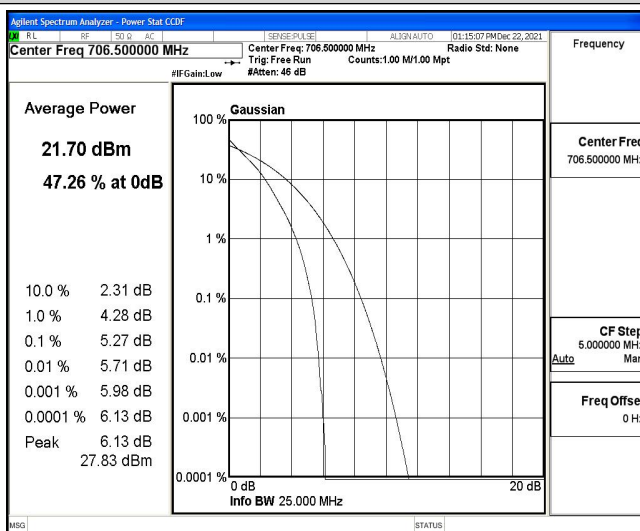


Test Graphs

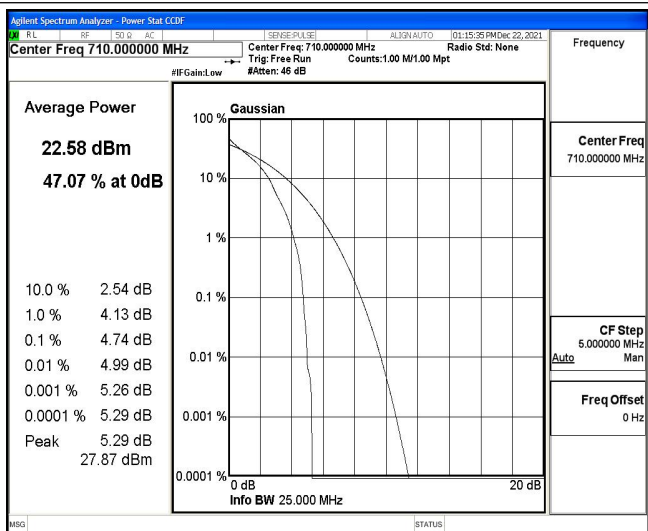
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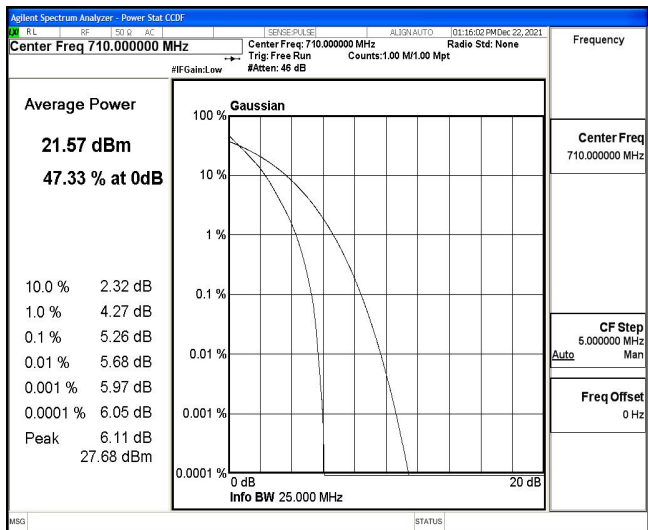
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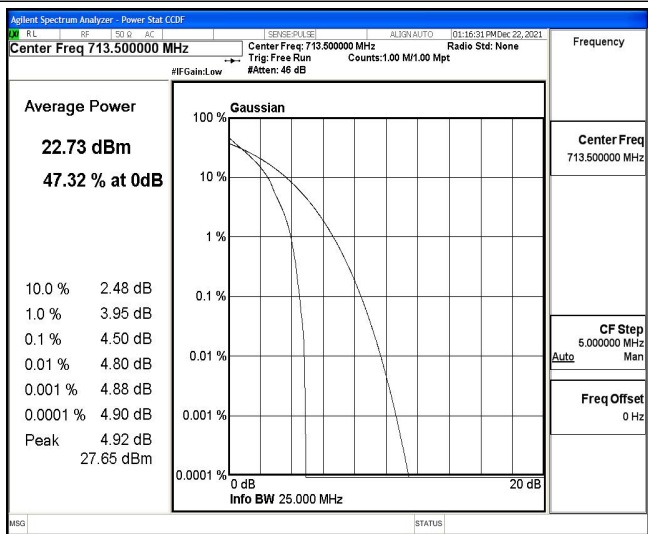
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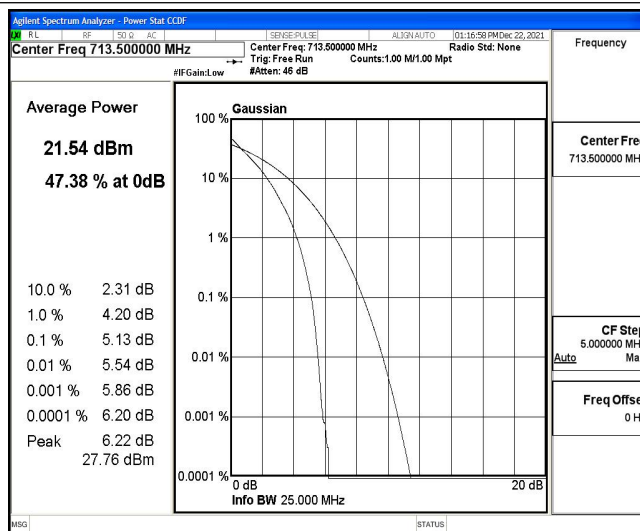
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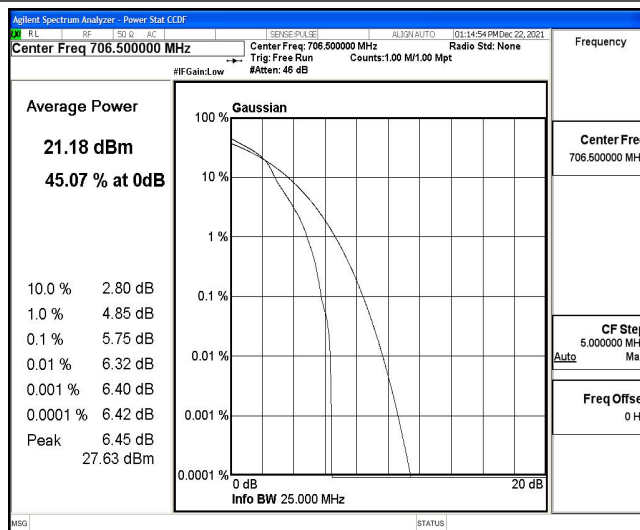
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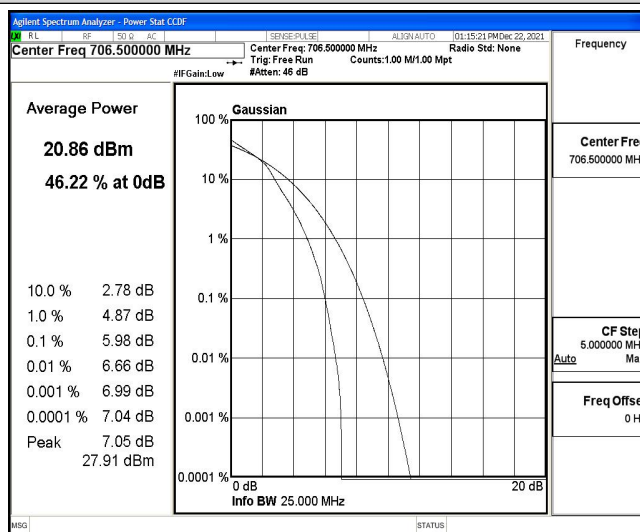
Band17-5MHz-QPSK-23825-25RB#0



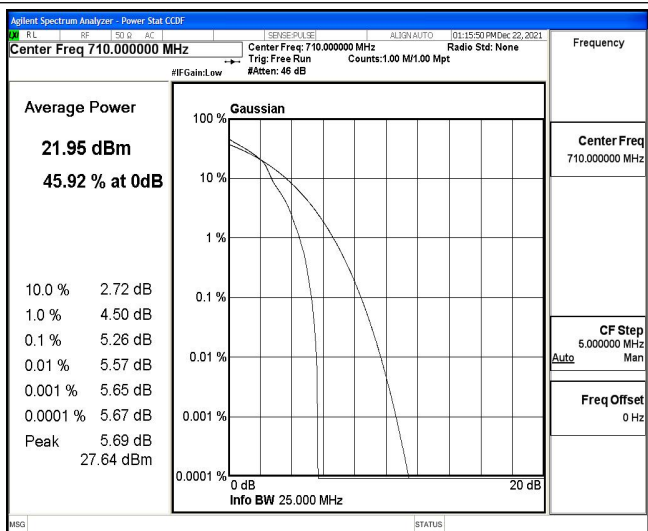
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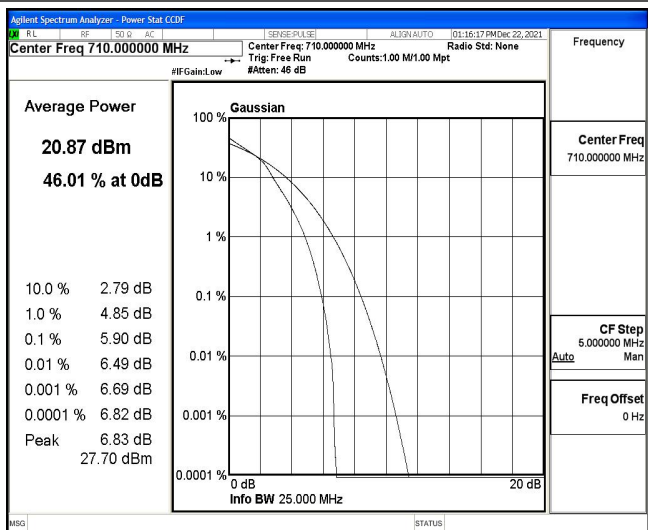
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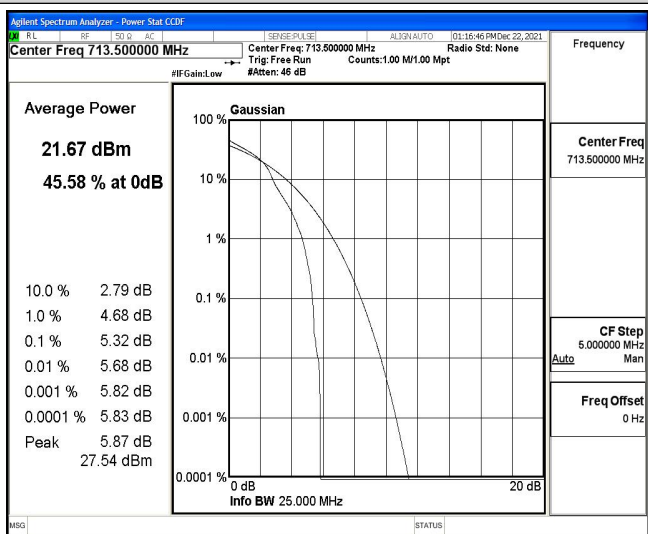
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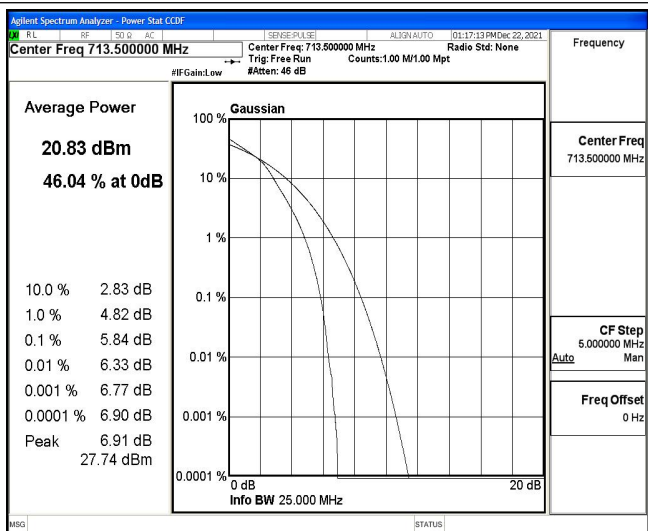
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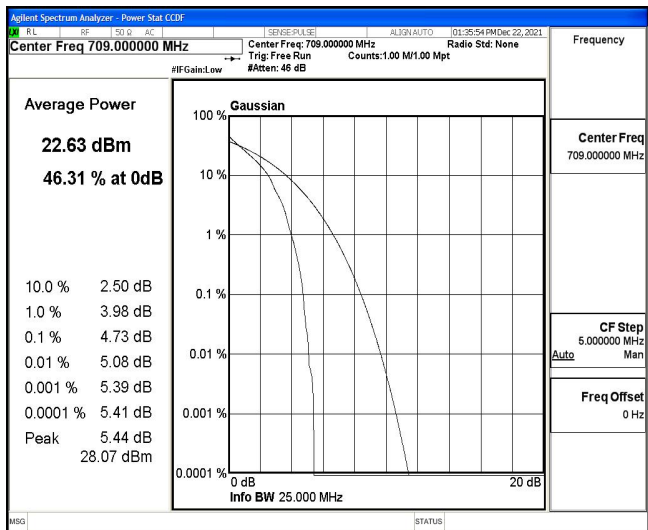
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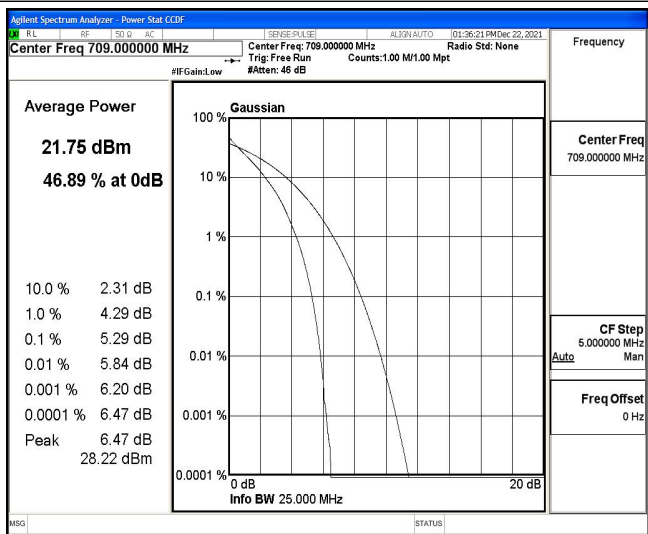
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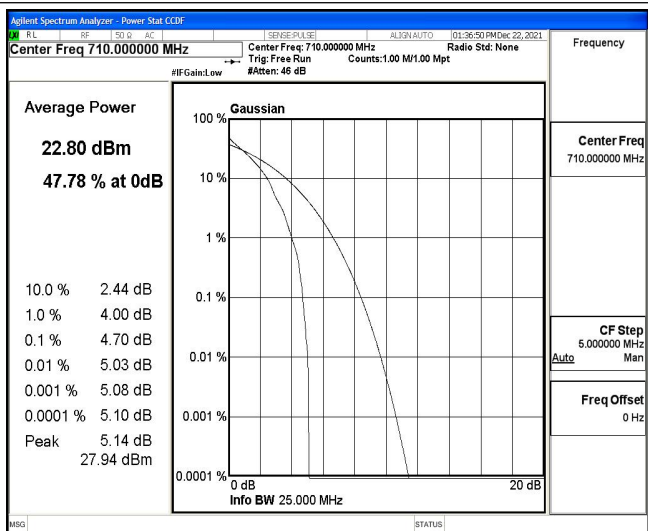
Band17-10MHz-QPSK-23780-1RB#0



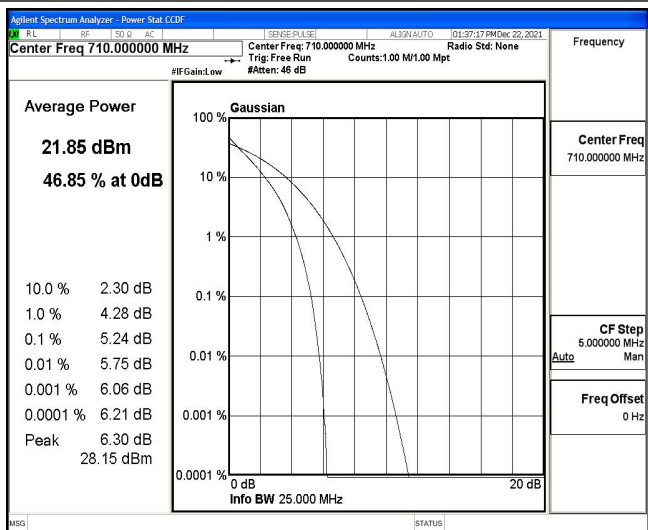
Band17-10MHz-QPSK-23780-50RB#0



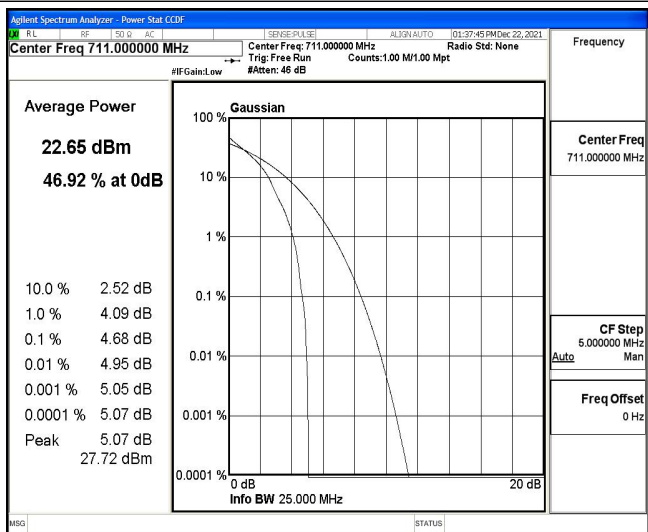
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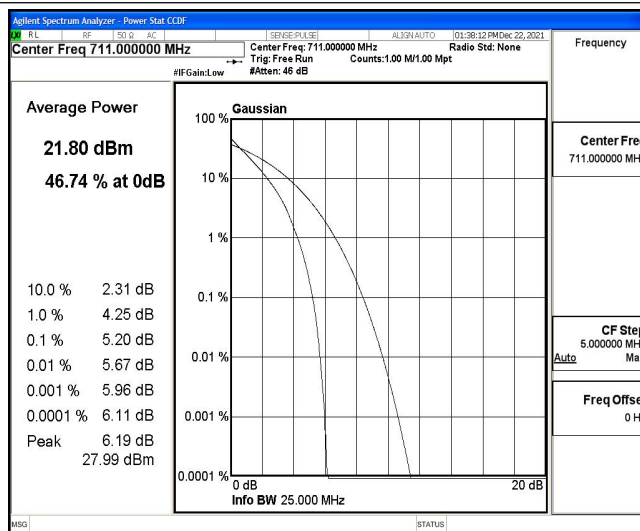
Band17-10MHz-QPSK-23790-50RB#0



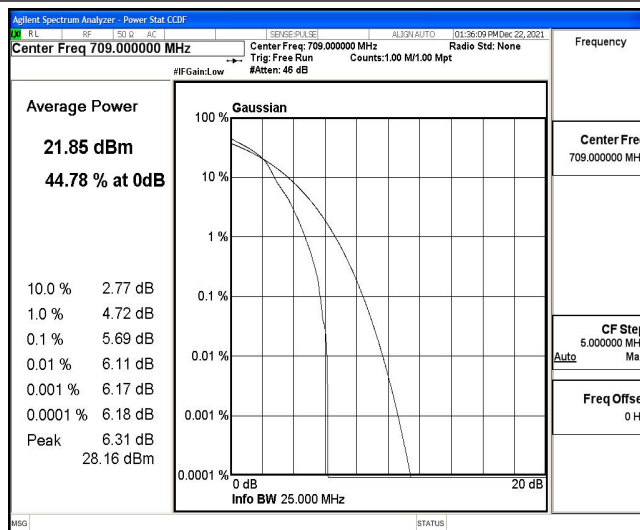
Band17-10MHz-QPSK-23800-1RB#0



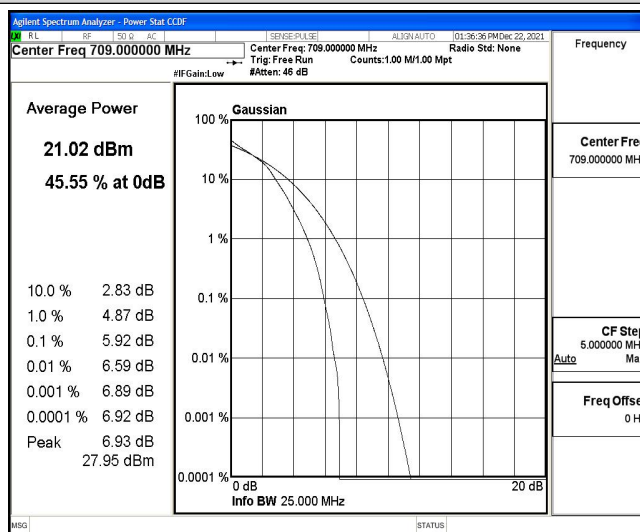
Band17-10MHz-QPSK-23800-50RB#0



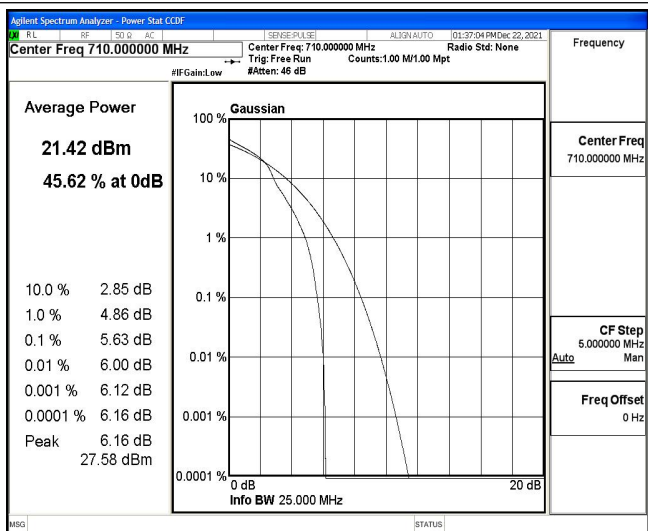
Band17-10MHz-16QAM-23780-1RB#0



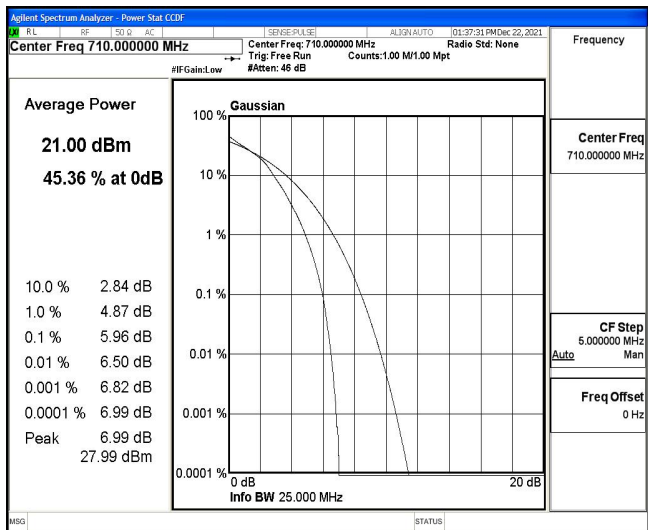
Band17-10MHz-16QAM-23780-50RB#0



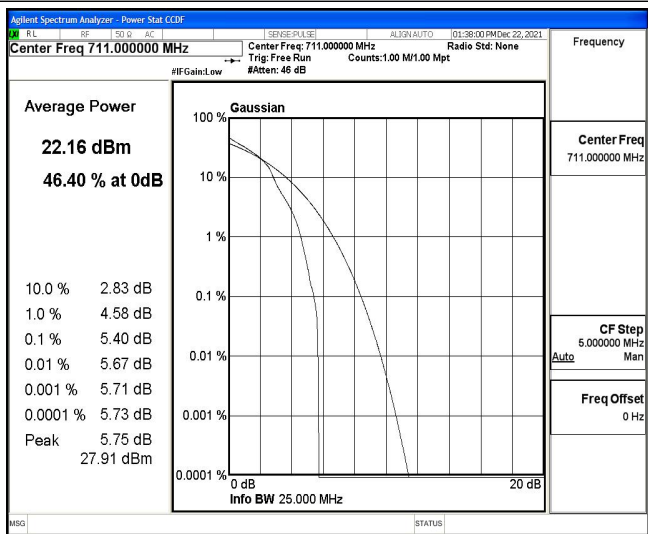
Band17-10MHz-16QAM-23790-1RB#0



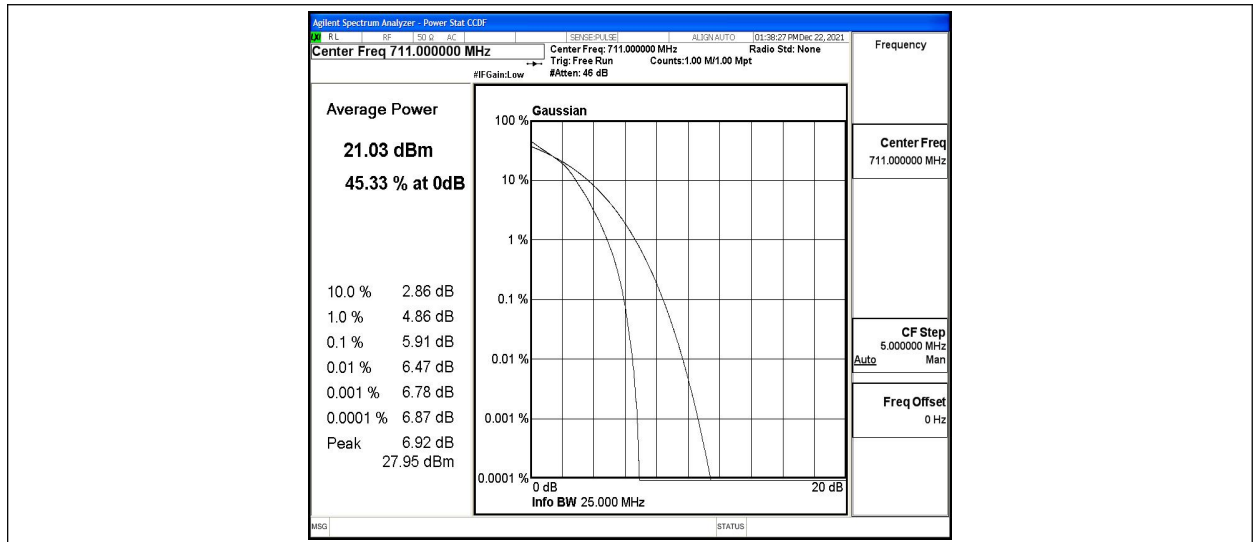
Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-1RB#0



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





I.3 26dB Bandwidth and Occupied Bandwidth

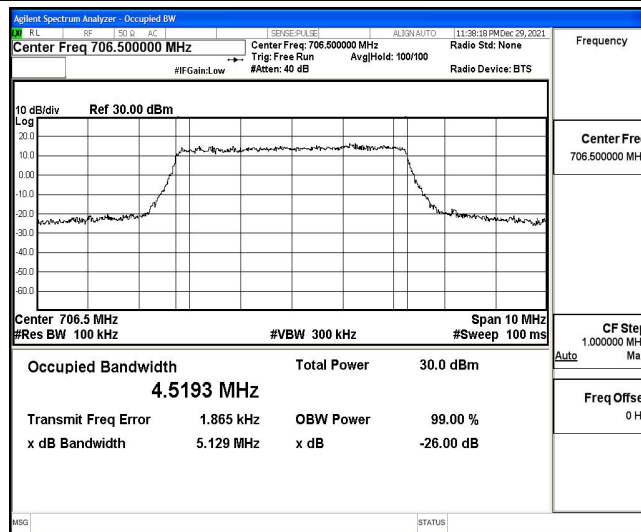
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5193	5.129	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5016	5.088	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5302	5.241	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5152	5.171	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5164	5.185	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5547	5.227	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9539	10.01	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9733	9.797	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0168	10.08	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9645	9.883	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9543	9.917	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0235	9.979	PASS

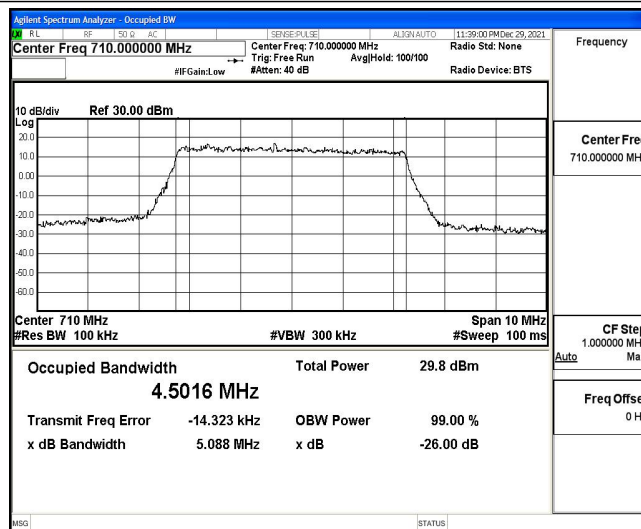


Test Graphs

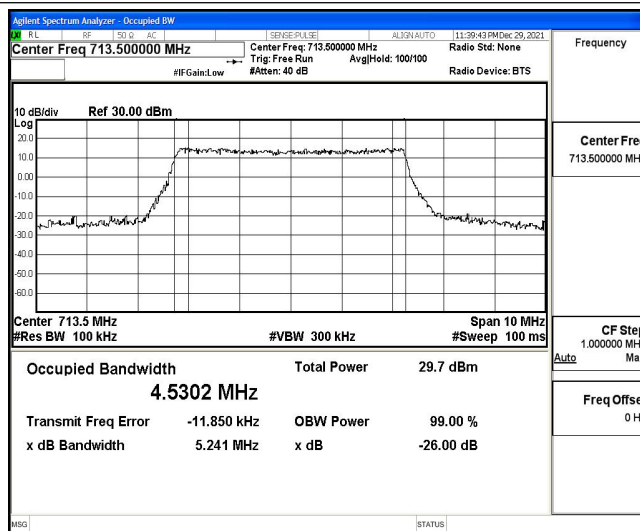
Band17-5MHz-QPSK-23755-25RB#0



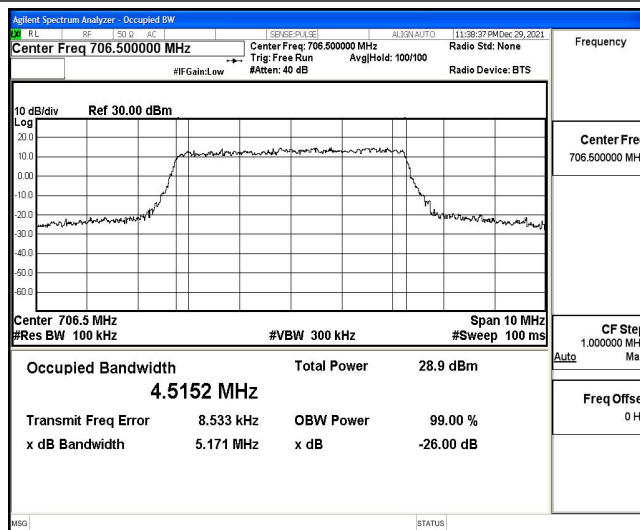
Band17-5MHz-QPSK-23790-25RB#0



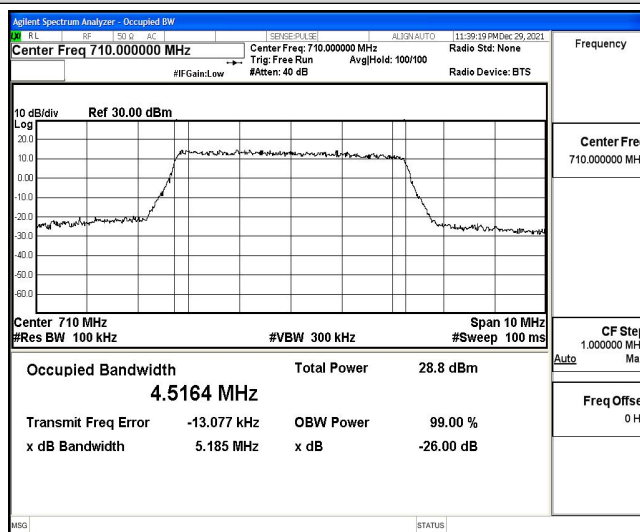
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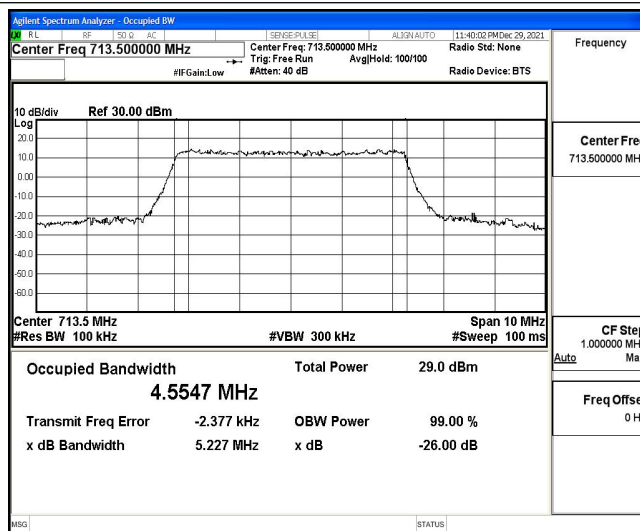
Band17-5MHz-16QAM-23755-25RB#0



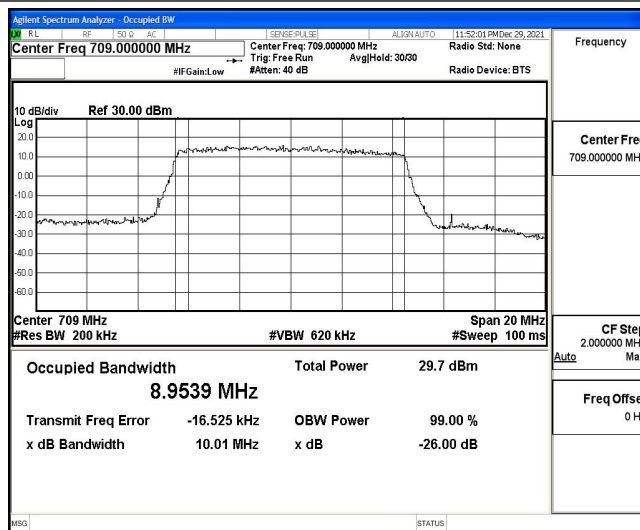
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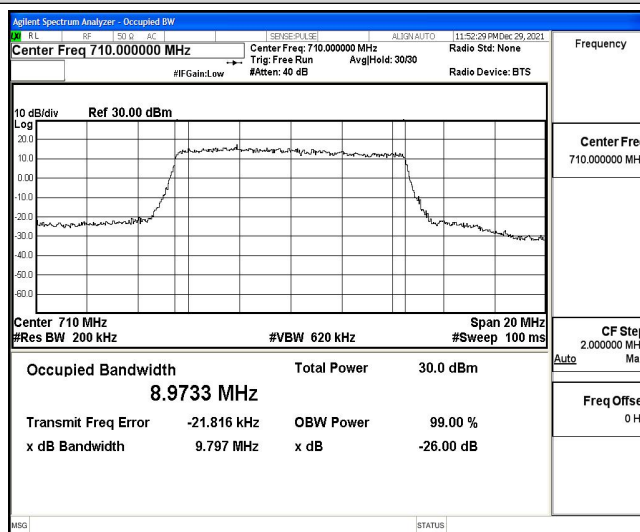
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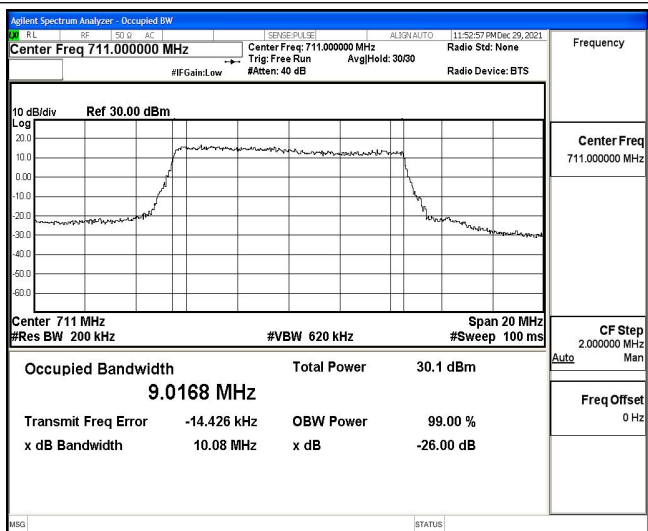
Band17-10MHz-QPSK-23780-50RB#0



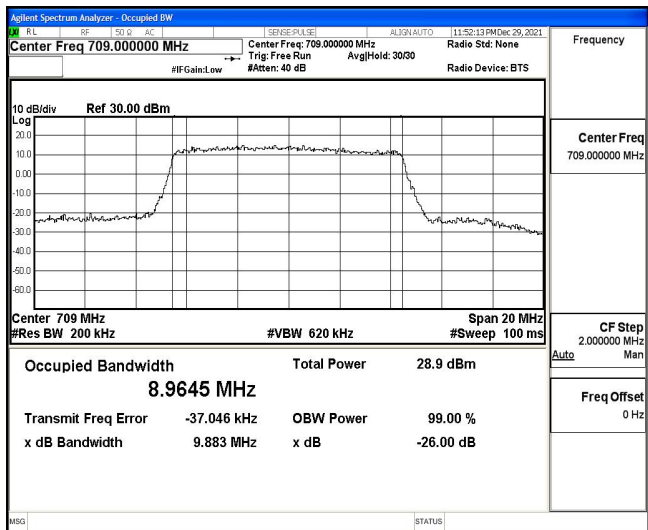
Band17-10MHz-QPSK-23790-50RB#0



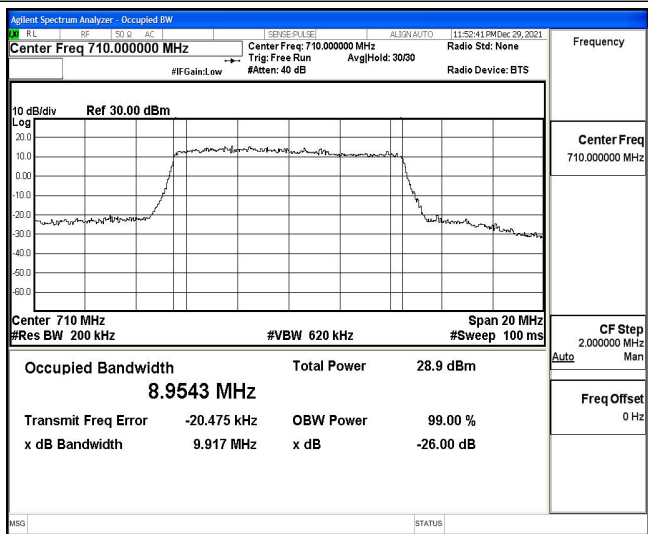
Band17-10MHz-QPSK-23800-50RB#0



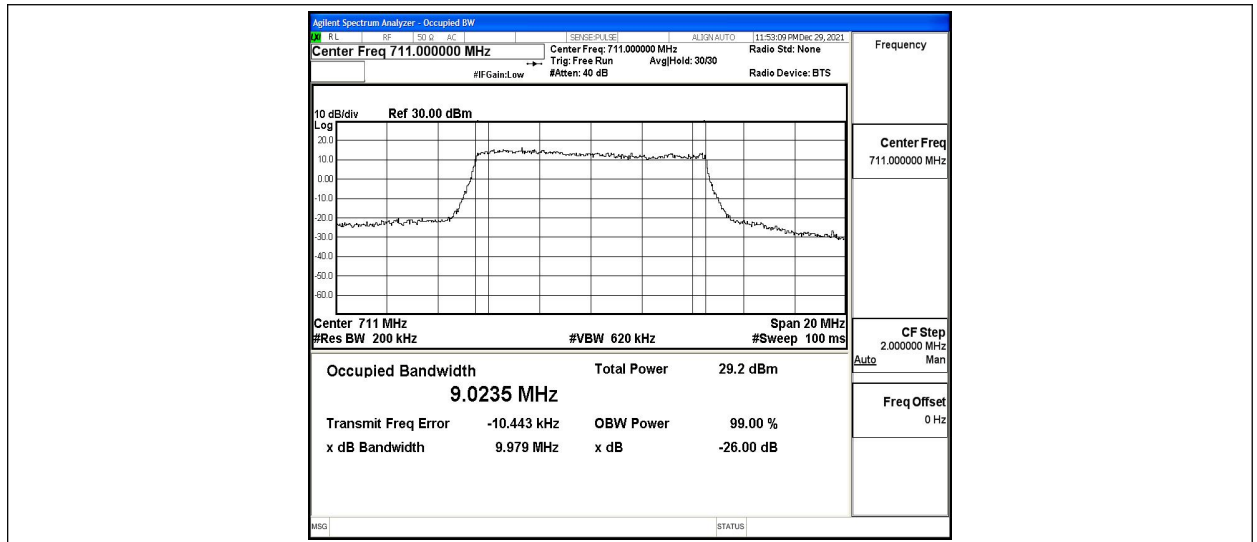
Band17-10MHz-16QAM-23780-50RB#0



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	-24.28	PASS
Band17	5MHz	QPSK	23825	25RB#0	-22.26	PASS
Band17	5MHz	16QAM	23755	25RB#0	-25.62	PASS
Band17	5MHz	16QAM	23825	25RB#0	-23.16	PASS
Band17	10MHz	QPSK	23780	50RB#0	-28.81,-27.70	PASS
Band17	10MHz	QPSK	23800	50RB#0	-27.35,-28.57	PASS
Band17	10MHz	16QAM	23780	50RB#0	-29.37,-28.33	PASS
Band17	10MHz	16QAM	23800	50RB#0	-28.10,-29.19	PASS

Test Graphs

