

Appendix for Band 17

Report No.: BCTC2309714850-2E

Applicant: Shenzhen Great Asia Electronic Co.,Ltd.

Product Name: Tablet PC

Model/Type
reference: VOLT-V010-2

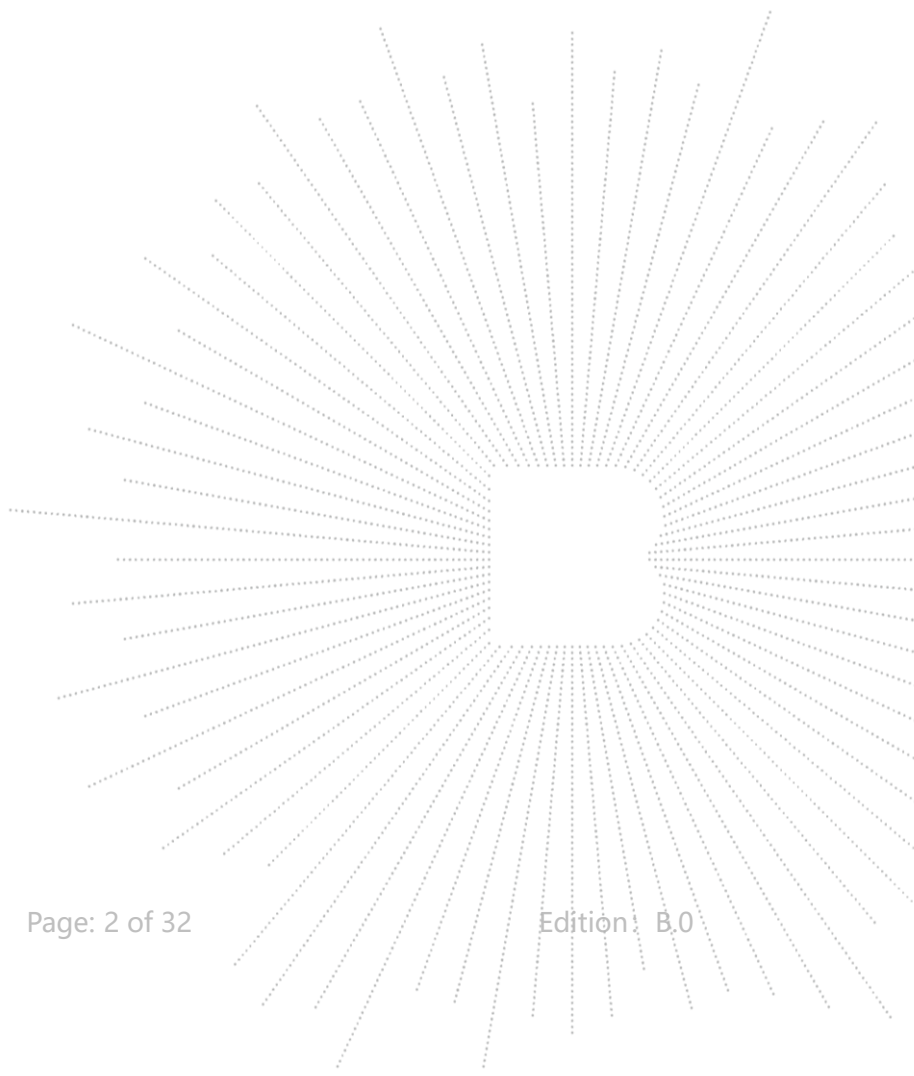
Tested Date: 2023-09-18 to 2023-10-09

Issued Date: 2023-10-23

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band17	5	23755	1	#0	QPSK	23.78	PASS
Band17	5	23755	1	#Mid	QPSK	23.91	PASS
Band17	5	23755	1	#Max	QPSK	24.00	PASS
Band17	5	23755	12	#0	QPSK	22.97	PASS
Band17	5	23755	12	#Mid	QPSK	22.98	PASS
Band17	5	23755	12	#Max	QPSK	22.96	PASS
Band17	5	23755	25	#0	QPSK	22.92	PASS
Band17	5	23755	1	#0	16QAM	22.60	PASS
Band17	5	23755	1	#Mid	16QAM	22.53	PASS
Band17	5	23755	1	#Max	16QAM	22.69	PASS
Band17	5	23755	12	#0	16QAM	22.30	PASS
Band17	5	23755	12	#Mid	16QAM	22.27	PASS
Band17	5	23755	12	#Max	16QAM	21.80	PASS
Band17	5	23755	25	#0	16QAM	22.41	PASS
Band17	5	23790	1	#0	QPSK	23.90	PASS
Band17	5	23790	1	#Mid	QPSK	23.89	PASS
Band17	5	23790	1	#Max	QPSK	23.96	PASS
Band17	5	23790	12	#0	QPSK	22.92	PASS
Band17	5	23790	12	#Mid	QPSK	23.05	PASS
Band17	5	23790	12	#Max	QPSK	22.95	PASS
Band17	5	23790	25	#0	QPSK	23.00	PASS
Band17	5	23790	1	#0	16QAM	22.95	PASS
Band17	5	23790	1	#Mid	16QAM	23.01	PASS
Band17	5	23790	1	#Max	16QAM	23.00	PASS
Band17	5	23790	12	#0	16QAM	21.91	PASS
Band17	5	23790	12	#Mid	16QAM	22.05	PASS
Band17	5	23790	12	#Max	16QAM	22.33	PASS
Band17	5	23790	25	#0	16QAM	21.96	PASS
Band17	5	23825	1	#0	QPSK	23.92	PASS
Band17	5	23825	1	#Mid	QPSK	23.99	PASS
Band17	5	23825	1	#Max	QPSK	23.98	PASS
Band17	5	23825	12	#0	QPSK	23.08	PASS
Band17	5	23825	12	#Mid	QPSK	23.02	PASS
Band17	5	23825	12	#Max	QPSK	23.08	PASS
Band17	5	23825	25	#0	QPSK	23.00	PASS
Band17	5	23825	1	#0	16QAM	22.97	PASS
Band17	5	23825	1	#Mid	16QAM	23.06	PASS
Band17	5	23825	1	#Max	16QAM	23.09	PASS
Band17	5	23825	12	#0	16QAM	22.31	PASS
Band17	5	23825	12	#Mid	16QAM	21.95	PASS



Band17	5	23825	12	#Max	16QAM	21.94	PASS
Band17	5	23825	25	#0	16QAM	22.13	PASS
Band17	10	23780	1	#0	QPSK	23.87	PASS
Band17	10	23780	1	#Mid	QPSK	23.82	PASS
Band17	10	23780	1	#Max	QPSK	23.98	PASS
Band17	10	23780	25	#0	QPSK	22.96	PASS
Band17	10	23780	25	#Mid	QPSK	23.01	PASS
Band17	10	23780	25	#Max	QPSK	23.02	PASS
Band17	10	23780	50	#0	QPSK	22.99	PASS
Band17	10	23780	1	#0	16QAM	23.94	PASS
Band17	10	23780	1	#Mid	16QAM	23.81	PASS
Band17	10	23780	1	#Max	16QAM	23.99	PASS
Band17	10	23780	25	#0	16QAM	22.25	PASS
Band17	10	23780	25	#Mid	16QAM	21.94	PASS
Band17	10	23780	25	#Max	16QAM	22.31	PASS
Band17	10	23780	50	#0	16QAM	21.91	PASS
Band17	10	23790	1	#0	QPSK	24.05	PASS
Band17	10	23790	1	#Mid	QPSK	23.88	PASS
Band17	10	23790	1	#Max	QPSK	24.13	PASS
Band17	10	23790	25	#0	QPSK	22.95	PASS
Band17	10	23790	25	#Mid	QPSK	22.94	PASS
Band17	10	23790	25	#Max	QPSK	22.96	PASS
Band17	10	23790	50	#0	QPSK	23.06	PASS
Band17	10	23790	1	#0	16QAM	22.90	PASS
Band17	10	23790	1	#Mid	16QAM	22.96	PASS
Band17	10	23790	1	#Max	16QAM	23.07	PASS
Band17	10	23790	25	#0	16QAM	21.99	PASS
Band17	10	23790	25	#Mid	16QAM	21.99	PASS
Band17	10	23790	25	#Max	16QAM	22.46	PASS
Band17	10	23790	50	#0	16QAM	22.06	PASS
Band17	10	23800	1	#0	QPSK	23.97	PASS
Band17	10	23800	1	#Mid	QPSK	24.07	PASS
Band17	10	23800	1	#Max	QPSK	24.13	PASS
Band17	10	23800	25	#0	QPSK	22.91	PASS
Band17	10	23800	25	#Mid	QPSK	23.10	PASS
Band17	10	23800	25	#Max	QPSK	23.06	PASS
Band17	10	23800	50	#0	QPSK	23.09	PASS
Band17	10	23800	1	#0	16QAM	22.80	PASS
Band17	10	23800	1	#Mid	16QAM	22.90	PASS
Band17	10	23800	1	#Max	16QAM	23.06	PASS
Band17	10	23800	25	#0	16QAM	21.98	PASS
Band17	10	23800	25	#Mid	16QAM	22.08	PASS
Band17	10	23800	25	#Max	16QAM	22.06	PASS
Band17	10	23800	50	#0	16QAM	22.06	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band1_7	5	23755	25	#0	QPSK	LV	NT	14.25	0.020	-2.5	2.5	PASS
Band1_7	5	23755	25	#0	QPSK	NV	NT	21.86	0.031	-2.5	2.5	PASS
Band1_7	5	23755	25	#0	QPSK	HV	NT	26.61	0.038	-2.5	2.5	PASS
Band1_7	5	23755	25	#0	16QAM	LV	NT	29.10	0.041	-2.5	2.5	PASS
Band1_7	5	23755	25	#0	16QAM	NV	NT	31.04	0.044	-2.5	2.5	PASS
Band1_7	5	23755	25	#0	16QAM	HV	NT	30.48	0.043	-2.5	2.5	PASS
Band1_7	5	23790	25	#0	QPSK	LV	NT	-4.36	-0.006	-2.5	2.5	PASS
Band1_7	5	23790	25	#0	QPSK	NV	NT	-2.89	-0.004	-2.5	2.5	PASS
Band1_7	5	23790	25	#0	QPSK	HV	NT	-2.16	-0.003	-2.5	2.5	PASS
Band1_7	5	23790	25	#0	16QAM	LV	NT	-1.43	-0.002	-2.5	2.5	PASS
Band1_7	5	23790	25	#0	16QAM	NV	NT	-0.50	-0.001	-2.5	2.5	PASS
Band1_7	5	23790	25	#0	16QAM	HV	NT	0.34	0.000	-2.5	2.5	PASS
Band1_7	5	23825	25	#0	QPSK	LV	NT	10.00	0.014	-2.5	2.5	PASS
Band1_7	5	23825	25	#0	QPSK	NV	NT	11.53	0.016	-2.5	2.5	PASS
Band1_7	5	23825	25	#0	QPSK	HV	NT	11.27	0.016	-2.5	2.5	PASS
Band1_7	5	23825	25	#0	16QAM	LV	NT	9.37	0.013	-2.5	2.5	PASS
Band1_7	5	23825	25	#0	16QAM	NV	NT	6.71	0.009	-2.5	2.5	PASS
Band1_7	5	23825	25	#0	16QAM	HV	NT	5.18	0.007	-2.5	2.5	PASS
Band1	10	23780	50	#0	QPSK	LV	NT	-2.05	-0.00	-2.5	2.5	PASS

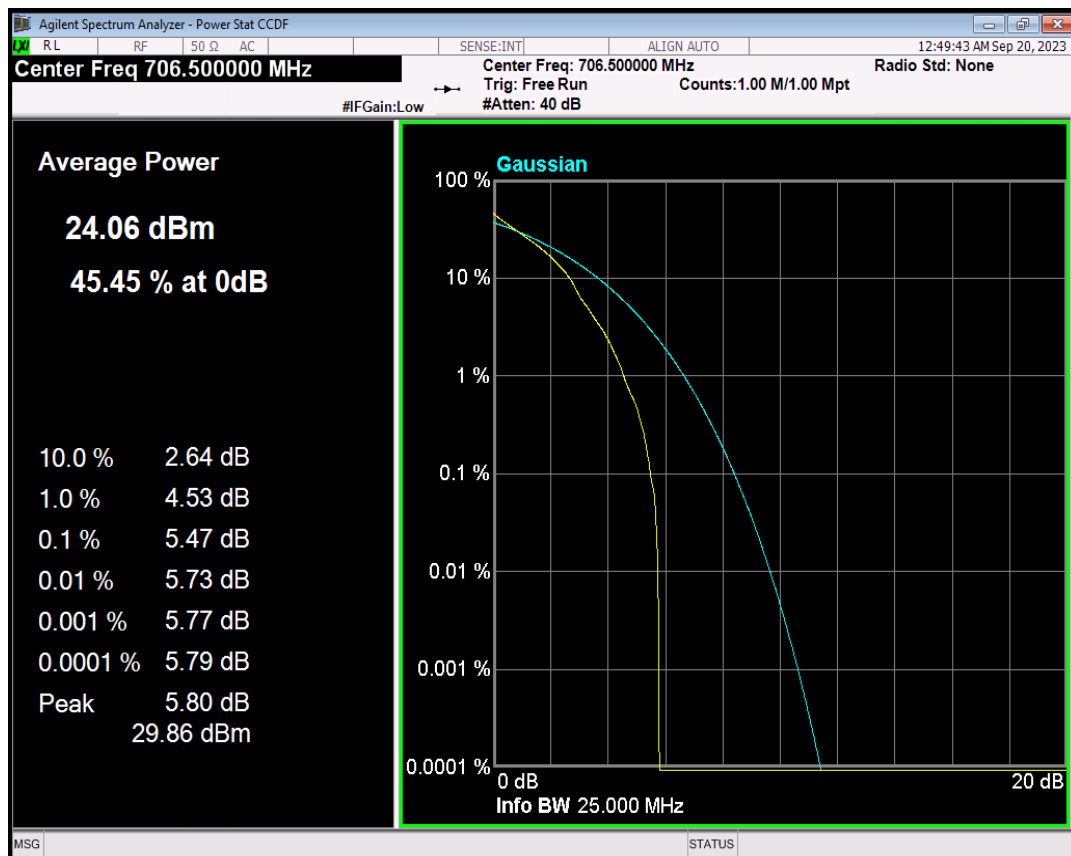


7									3			
Band1 7	10	23780	50	#0	QPSK	NV	NT	3.72	0.005	-2.5	2.5	PASS
Band1 7	10	23780	50	#0	QPSK	HV	NT	2.88	0.004	-2.5	2.5	PASS
Band1 7	10	23780	50	#0	16QAM	LV	NT	4.59	0.006	-2.5	2.5	PASS
Band1 7	10	23780	50	#0	16QAM	NV	NT	5.58	0.008	-2.5	2.5	PASS
Band1 7	10	23780	50	#0	16QAM	HV	NT	6.47	0.009	-2.5	2.5	PASS
Band1 7	10	23790	50	#0	QPSK	LV	NT	-2.86	-0.00 4	-2.5	2.5	PASS
Band1 7	10	23790	50	#0	QPSK	NV	NT	-1.22	-0.00 2	-2.5	2.5	PASS
Band1 7	10	23790	50	#0	QPSK	HV	NT	-1.17	-0.00 2	-2.5	2.5	PASS
Band1 7	10	23790	50	#0	16QAM	LV	NT	-1.10	-0.00 2	-2.5	2.5	PASS
Band1 7	10	23790	50	#0	16QAM	NV	NT	-1.52	-0.00 2	-2.5	2.5	PASS
Band1 7	10	23790	50	#0	16QAM	HV	NT	-2.03	-0.00 3	-2.5	2.5	PASS
Band1 7	10	23800	50	#0	QPSK	LV	NT	-0.09	0.000	-2.5	2.5	PASS
Band1 7	10	23800	50	#0	QPSK	NV	NT	0.96	0.001	-2.5	2.5	PASS
Band1 7	10	23800	50	#0	QPSK	HV	NT	0.10	0.000	-2.5	2.5	PASS
Band1 7	10	23800	50	#0	16QAM	LV	NT	-24.4 2	-0.03 4	-2.5	2.5	PASS
Band1 7	10	23800	50	#0	16QAM	NV	NT	-11.86	-0.01 7	-2.5	2.5	PASS
Band1 7	10	23800	50	#0	16QAM	HV	NT	-11.97	-0.01 7	-2.5	2.5	PASS

Appendix 3. Peak-to-Average Ratio

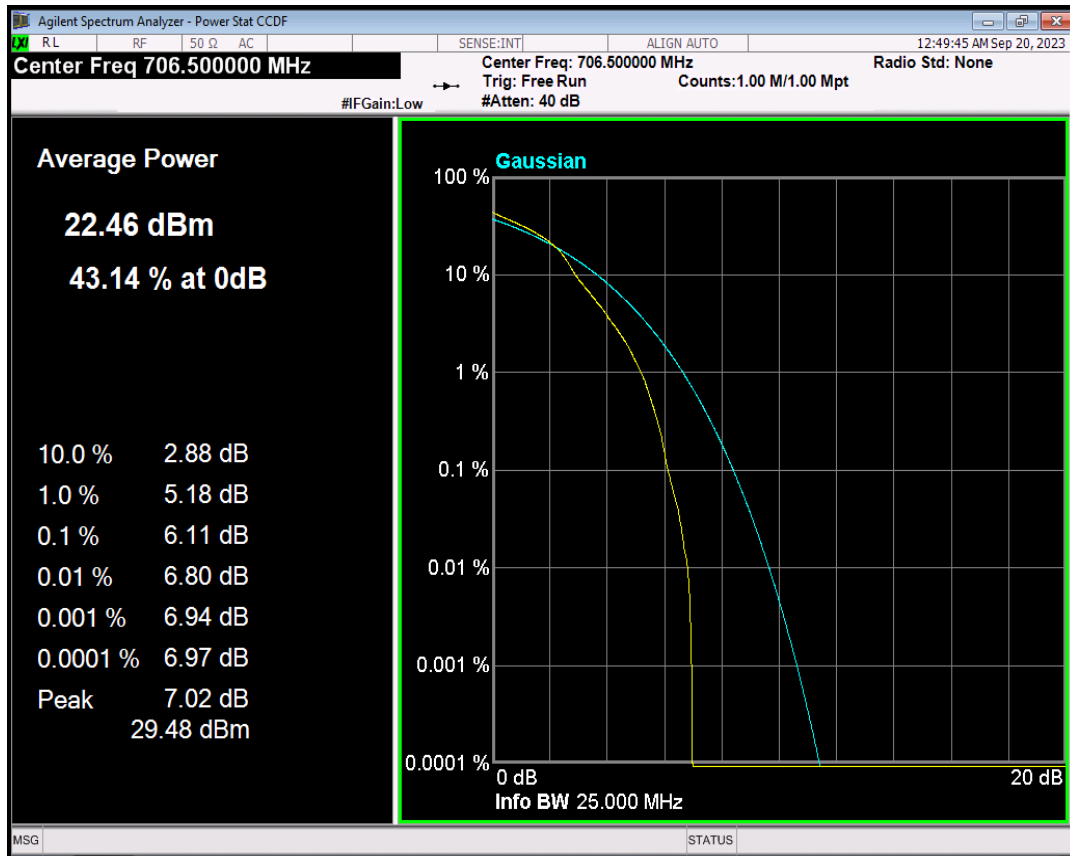
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band17	5	23755	1	#0	QPSK	5.47	13	PASS
Band17	5	23755	1	#0	16QAM	6.11	13	PASS
Band17	5	23790	1	#0	QPSK	2.45	13	PASS
Band17	5	23790	1	#0	16QAM	3.45	13	PASS
Band17	5	23825	1	#0	QPSK	2.31	13	PASS
Band17	5	23825	1	#0	16QAM	3.18	13	PASS
Band17	10	23780	1	#0	QPSK	5.26	13	PASS
Band17	10	23780	1	#0	16QAM	6.29	13	PASS
Band17	10	23790	1	#0	QPSK	4.76	13	PASS
Band17	10	23790	1	#0	16QAM	5.89	13	PASS
Band17	10	23800	1	#0	QPSK	3.91	13	PASS
Band17	10	23800	1	#0	16QAM	5.17	13	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=1 Position=#0

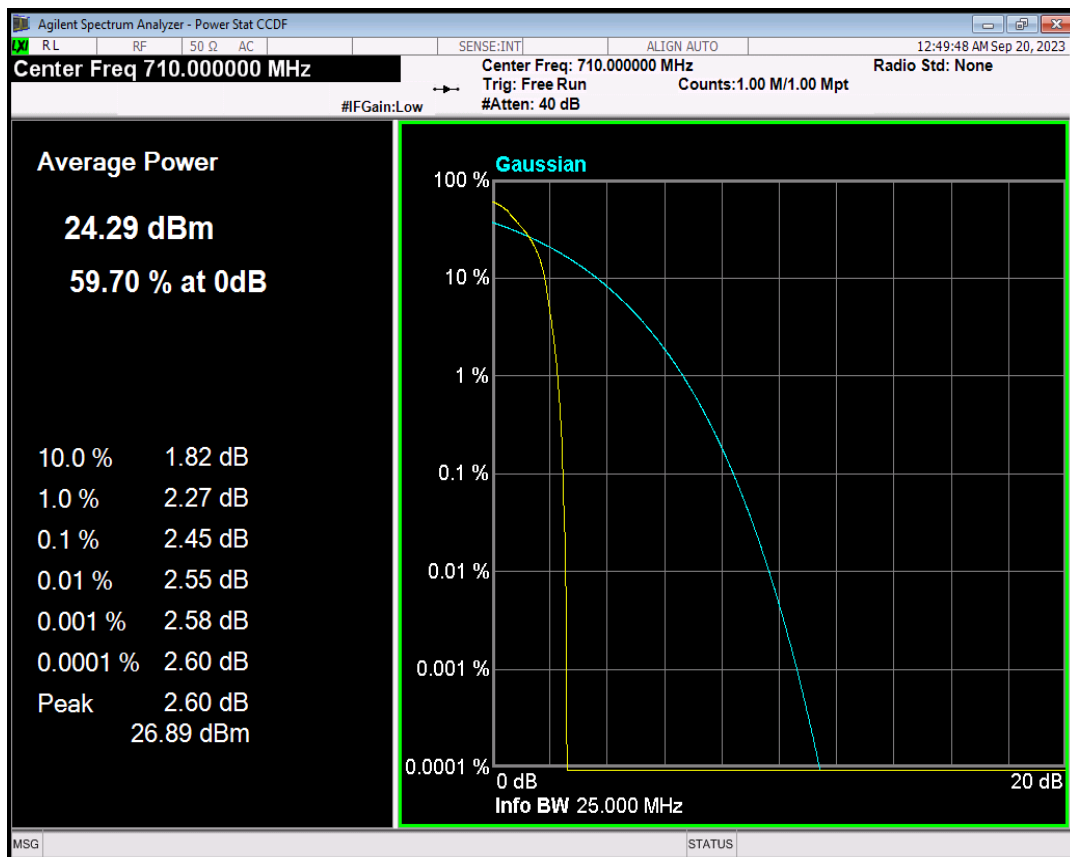




Band17 16QAM BW=5MHz Channel=23755 RB Size=1 Position=#0

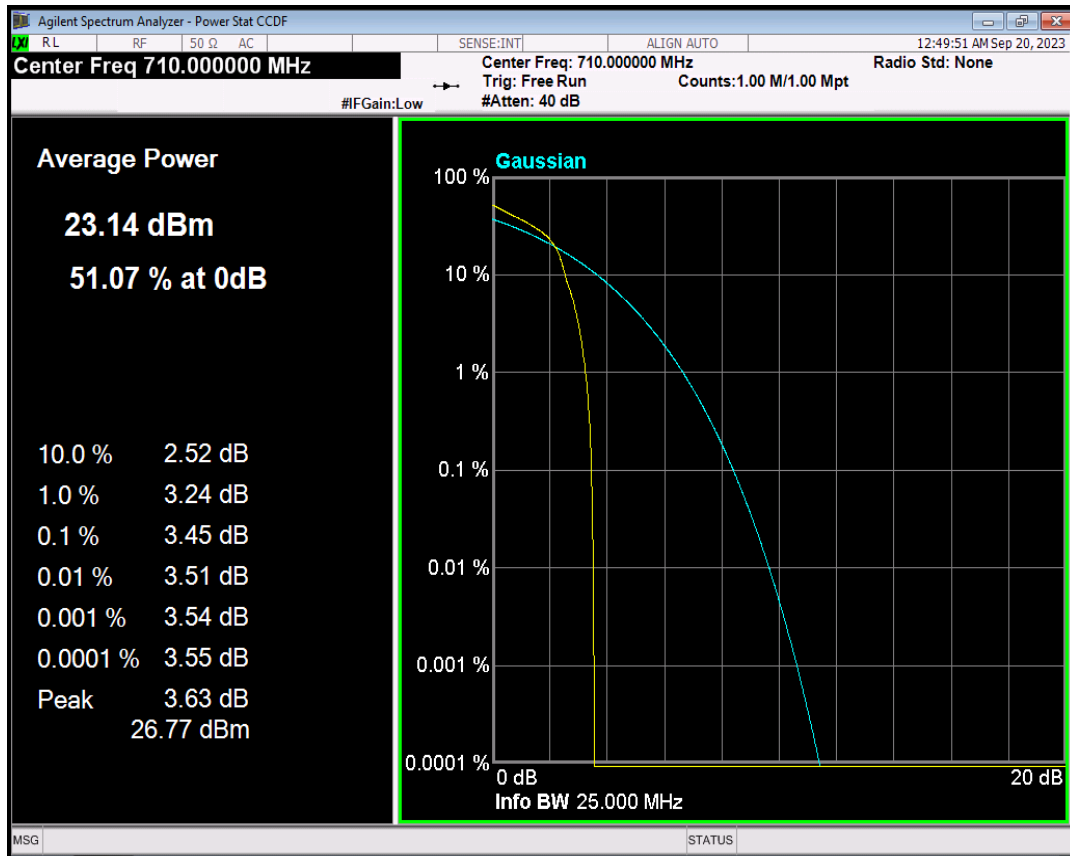


Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0

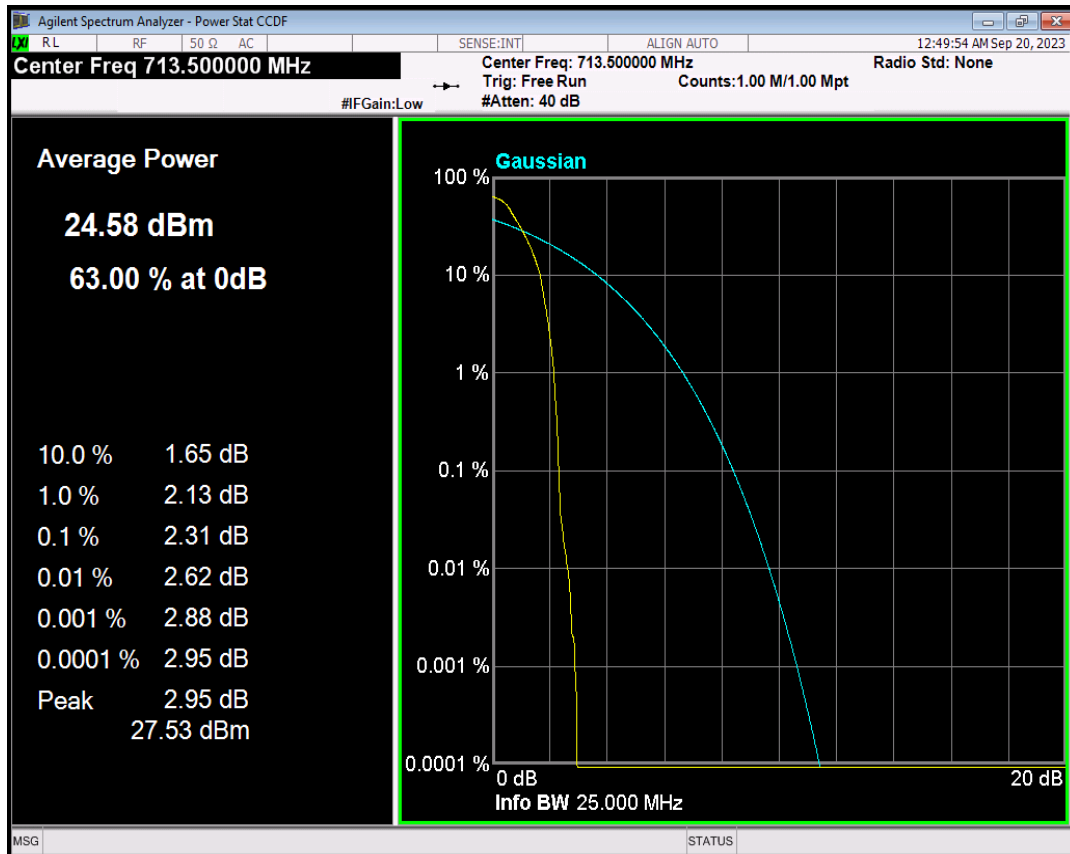




Band17 16QAM BW=5MHz Channel=23790 RB Size=1 Position=#0

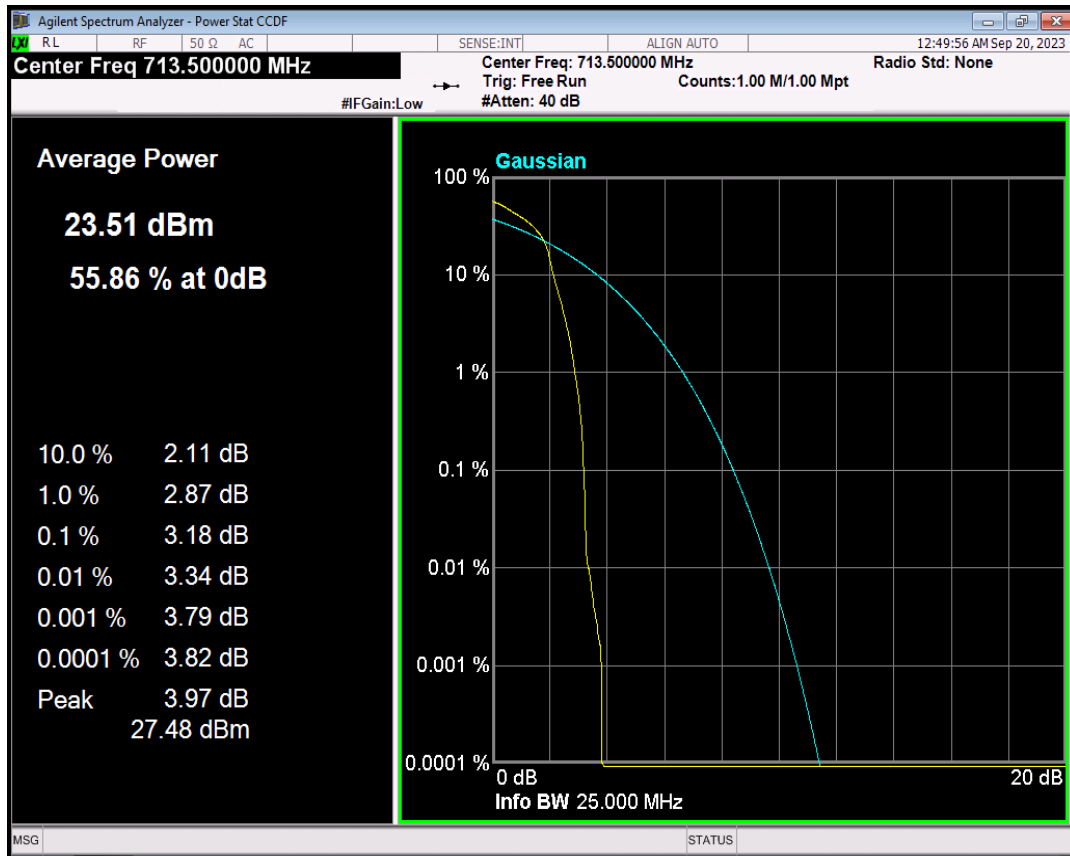


Band17 QPSK BW=5MHz Channel=23825 RB Size=1 Position=#0

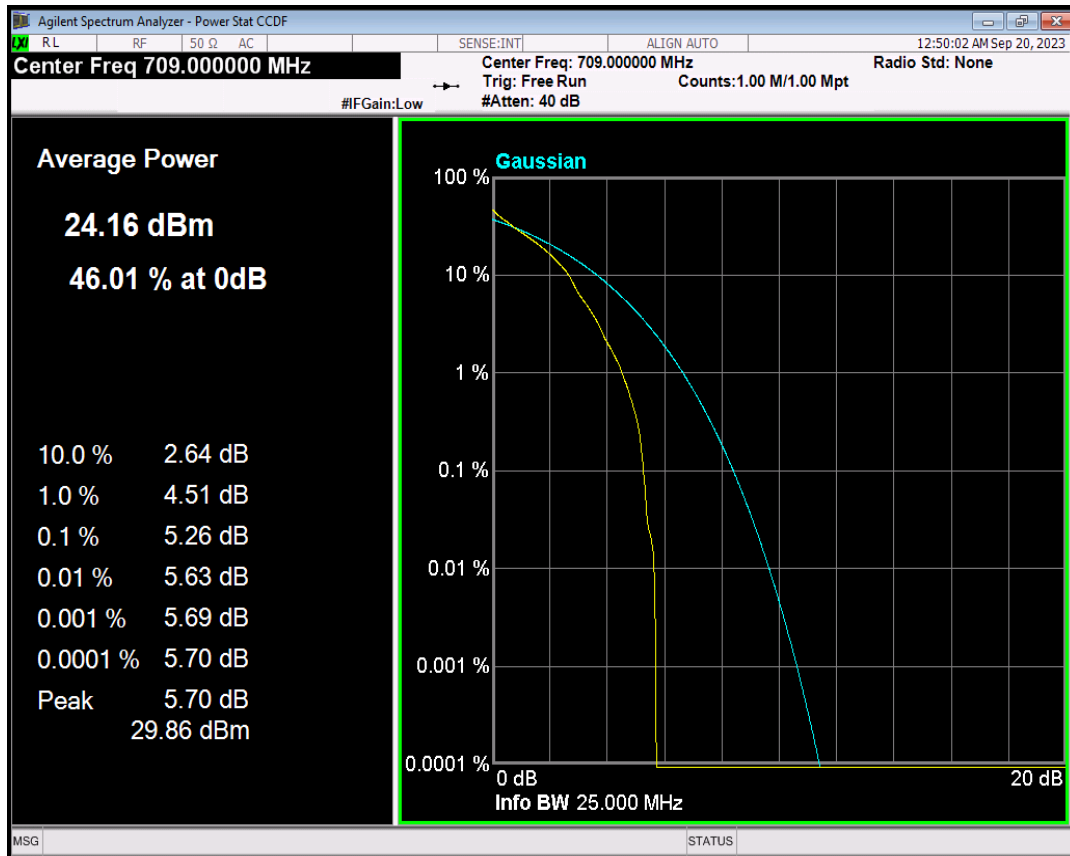




Band17 16QAM BW=5MHz Channel=23825 RB Size=1 Position=#0

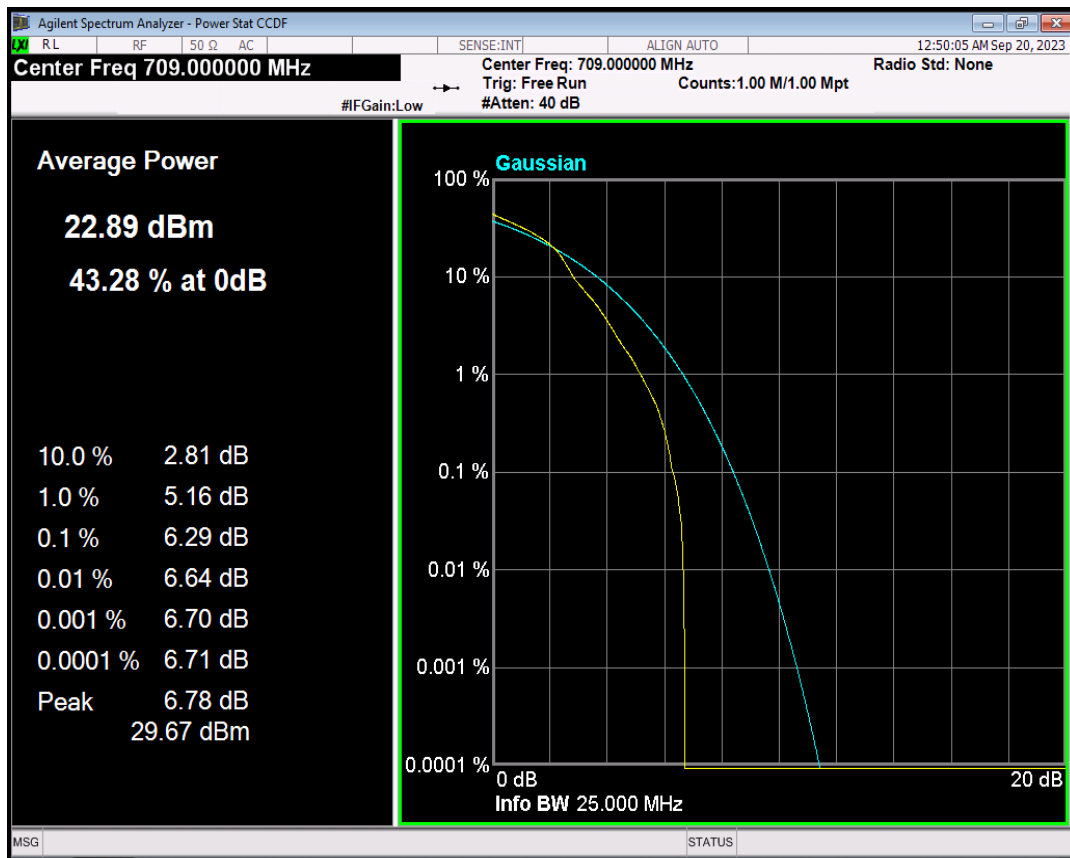


Band17 QPSK BW=10MHz Channel=23780 RB Size=1 Position=#0

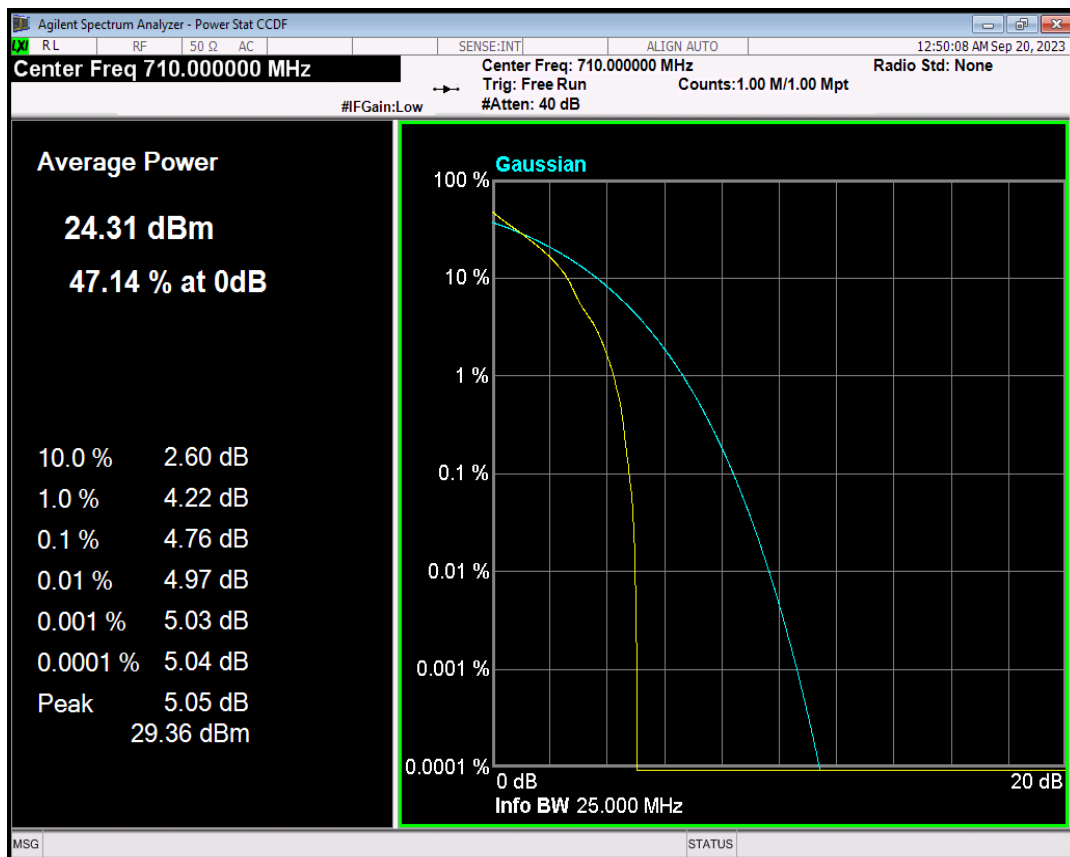




Band17 16QAM BW=10MHz Channel=23780 RB Size=1 Position=#0

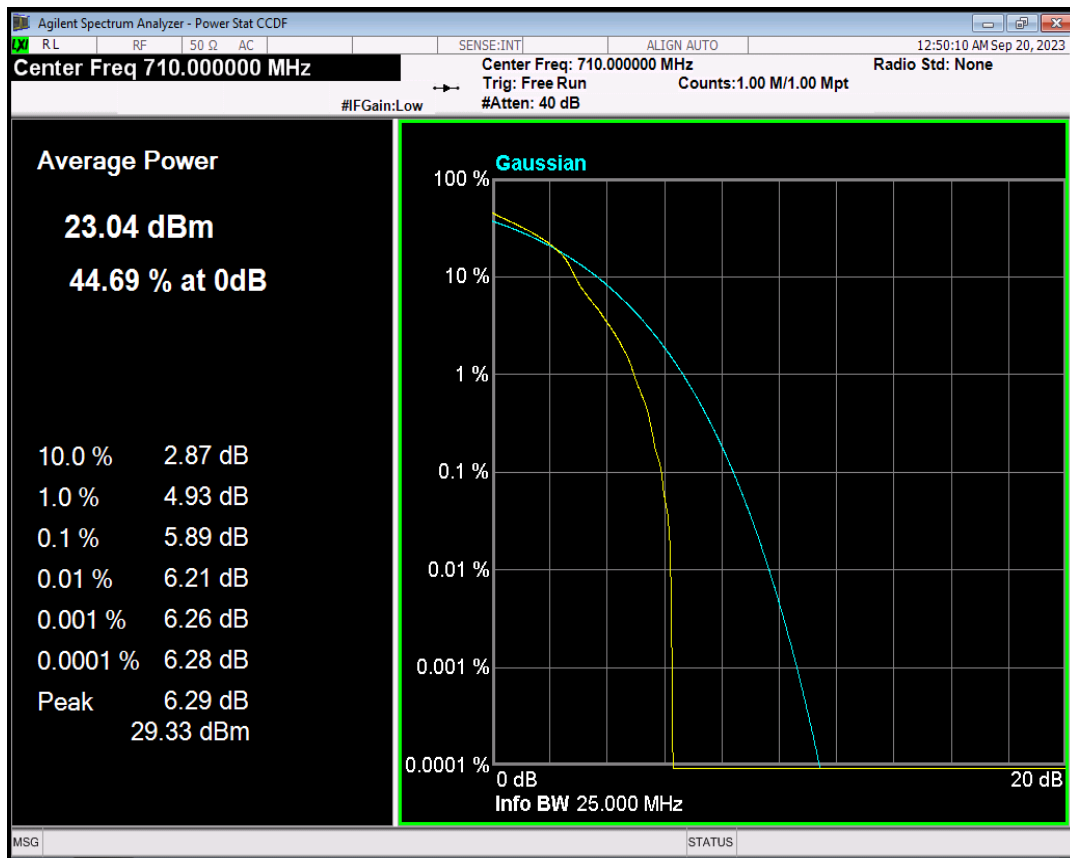


Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0

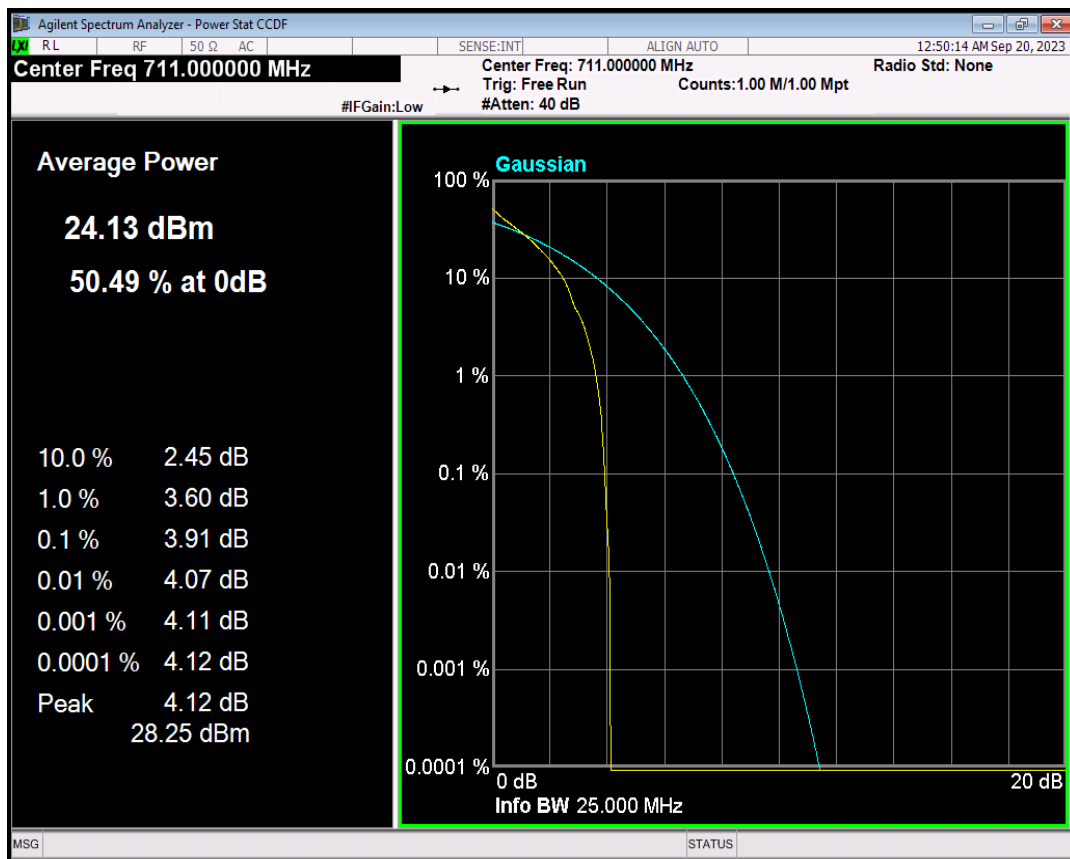




Band17 16QAM BW=10MHz Channel=23790 RB Size=1 Position=#0

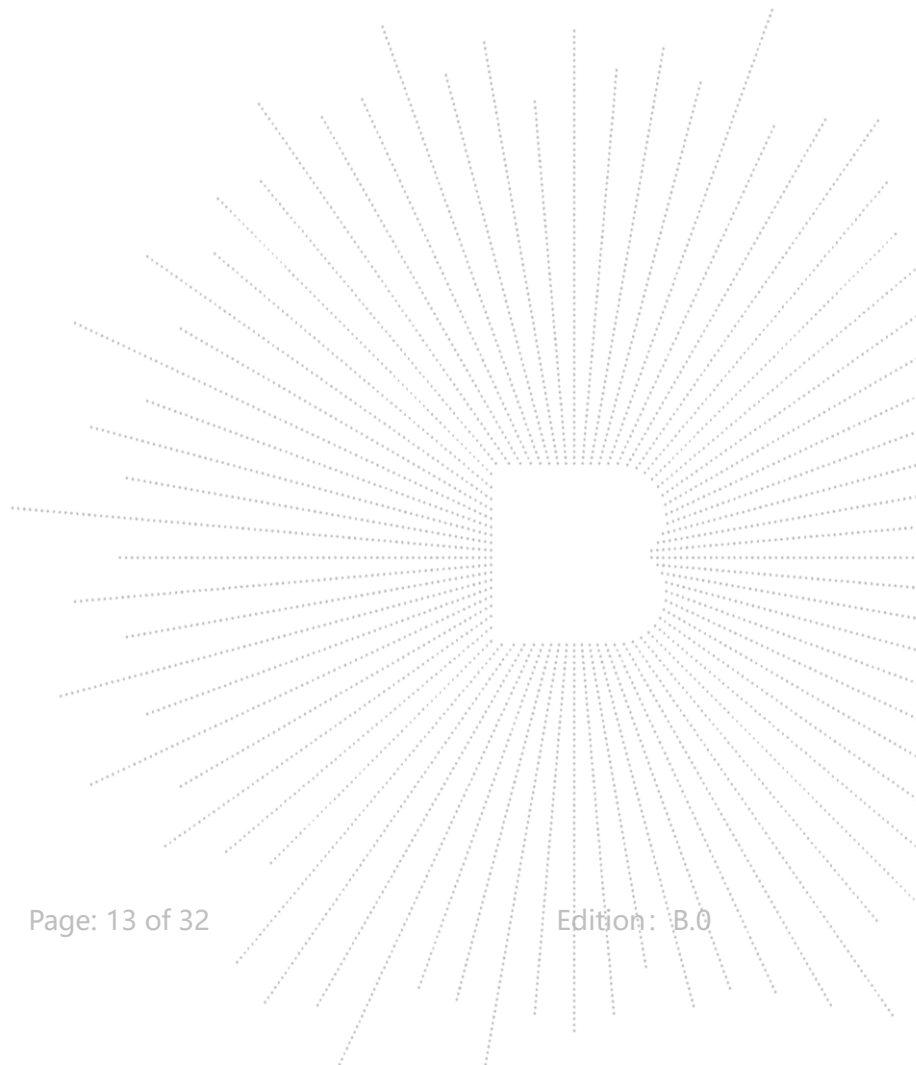
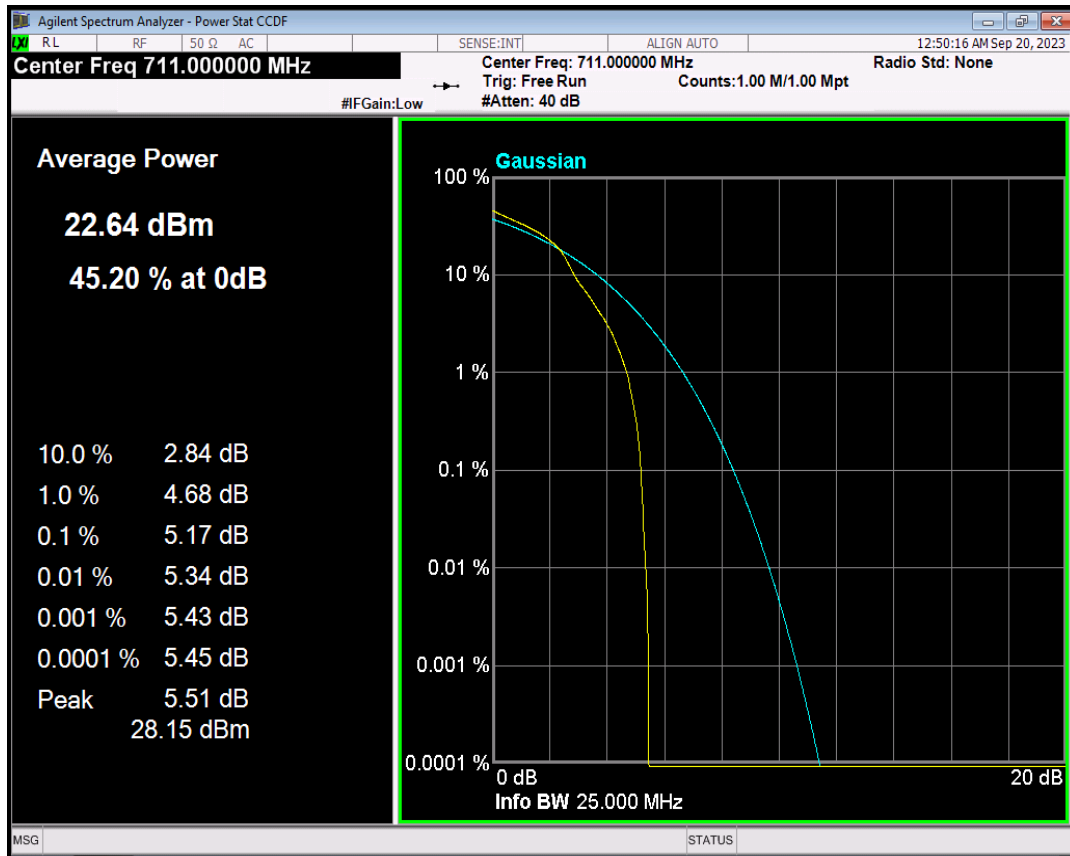


Band17 QPSK BW=10MHz Channel=23800 RB Size=1 Position=#0





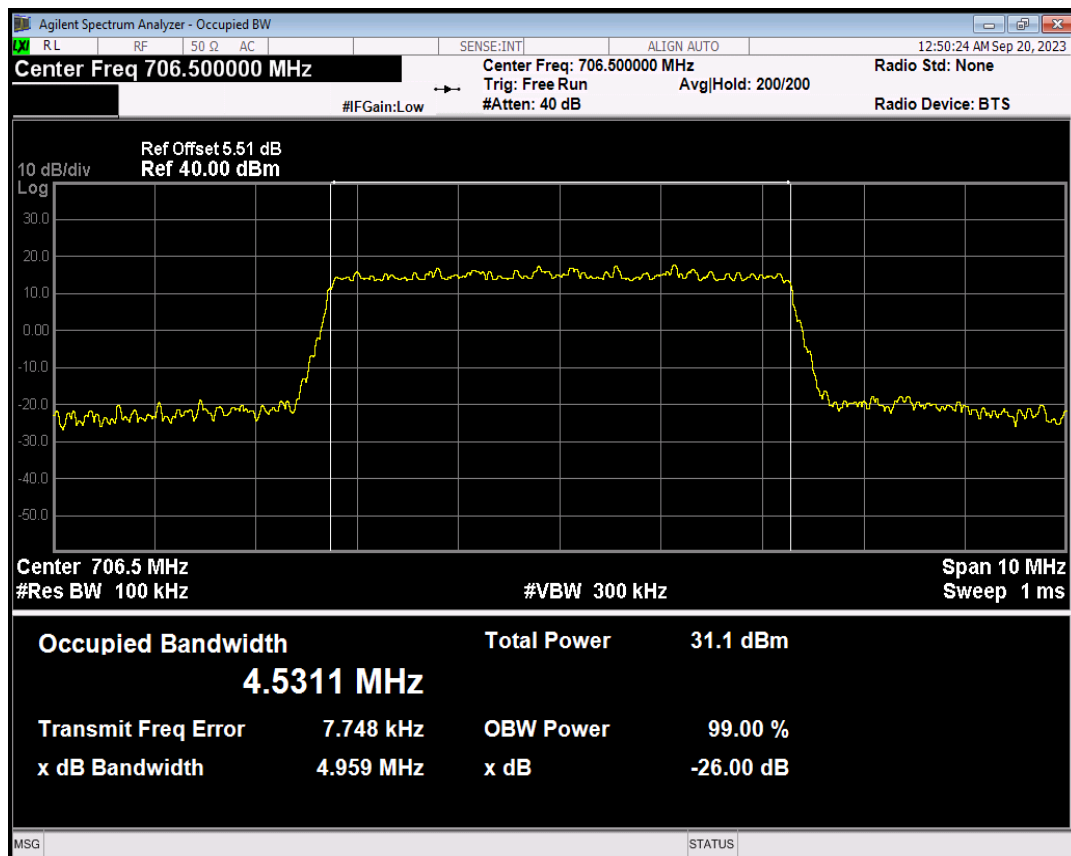
Band17 16QAM BW=10MHz Channel=23800 RB Size=1 Position=#0



Appendix 4. Occupied bandwidth

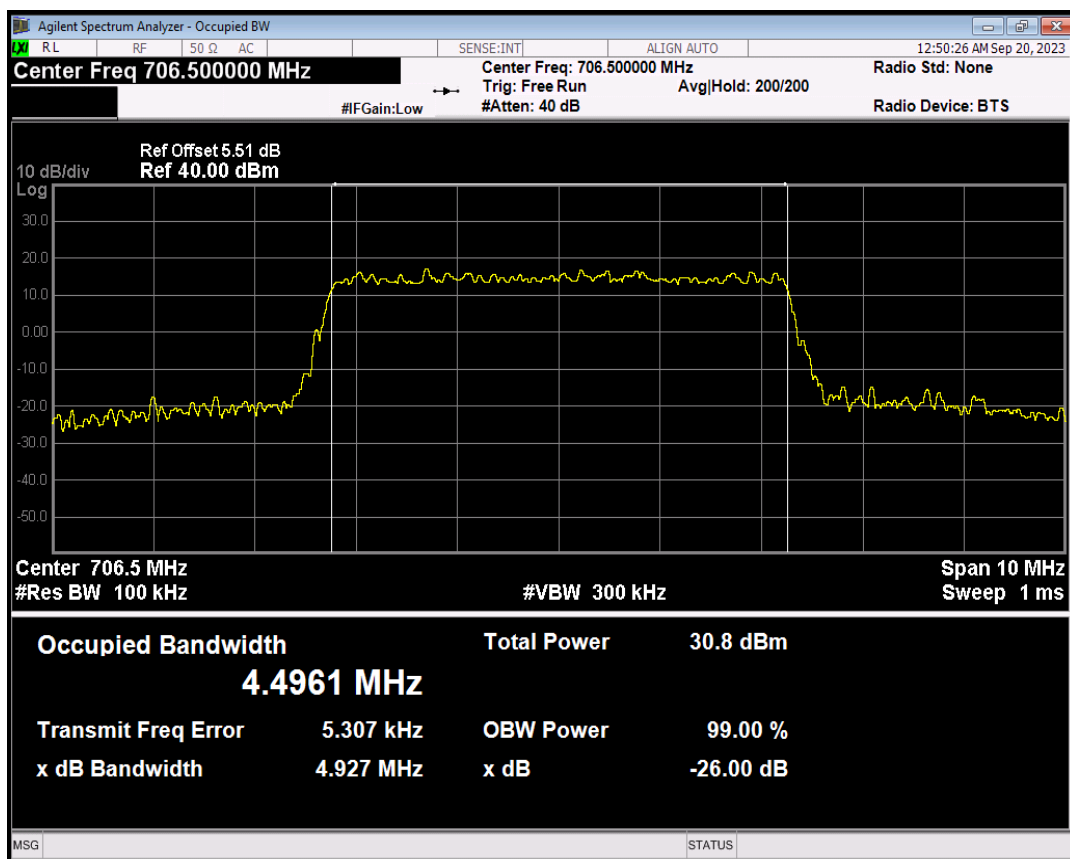
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band17	5	23755	25	#0	QPSK	4.531	4.959	PASS
Band17	5	23755	25	#0	16QAM	4.496	4.927	PASS
Band17	5	23790	25	#0	QPSK	4.577	7.096	PASS
Band17	5	23790	25	#0	16QAM	4.563	6.809	PASS
Band17	5	23825	25	#0	QPSK	4.521	4.964	PASS
Band17	5	23825	25	#0	16QAM	4.539	4.906	PASS
Band17	10	23780	50	#0	QPSK	8.979	9.808	PASS
Band17	10	23780	50	#0	16QAM	8.992	9.836	PASS
Band17	10	23790	50	#0	QPSK	9.004	9.993	PASS
Band17	10	23790	50	#0	16QAM	9.002	10.278	PASS
Band17	10	23800	50	#0	QPSK	9.036	11.034	PASS
Band17	10	23800	50	#0	16QAM	9.044	10.935	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

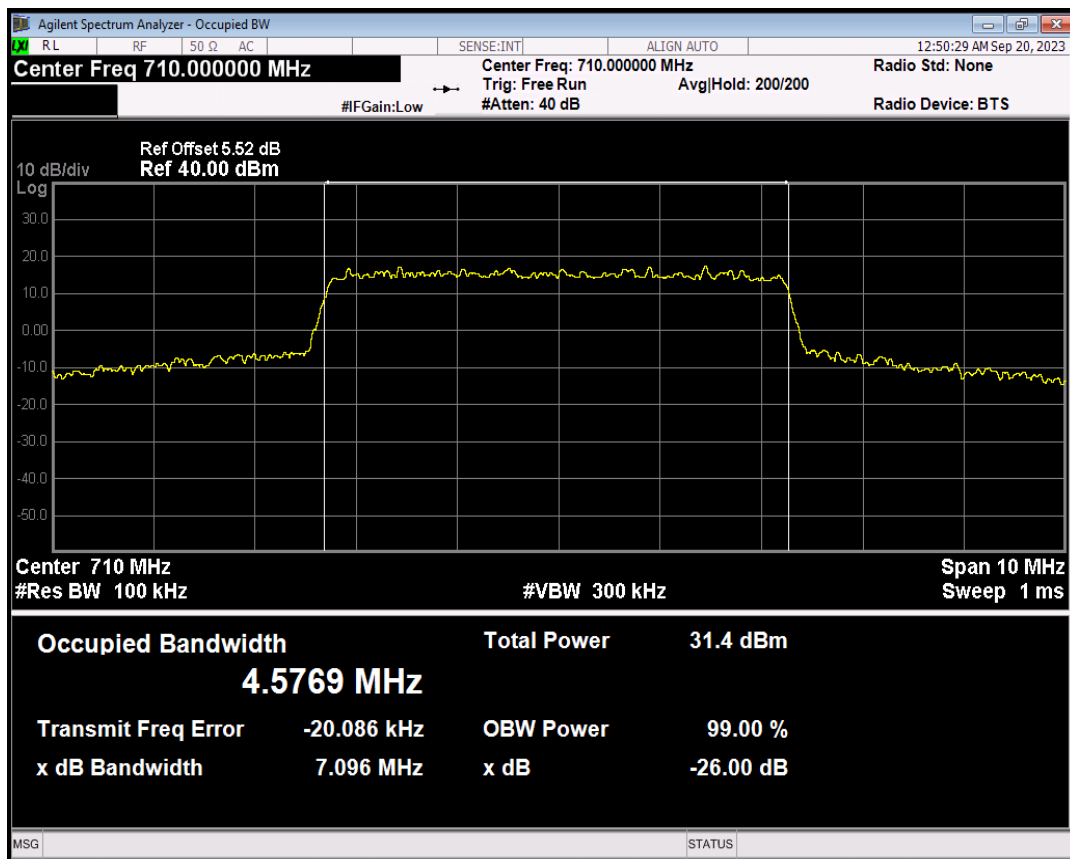




Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

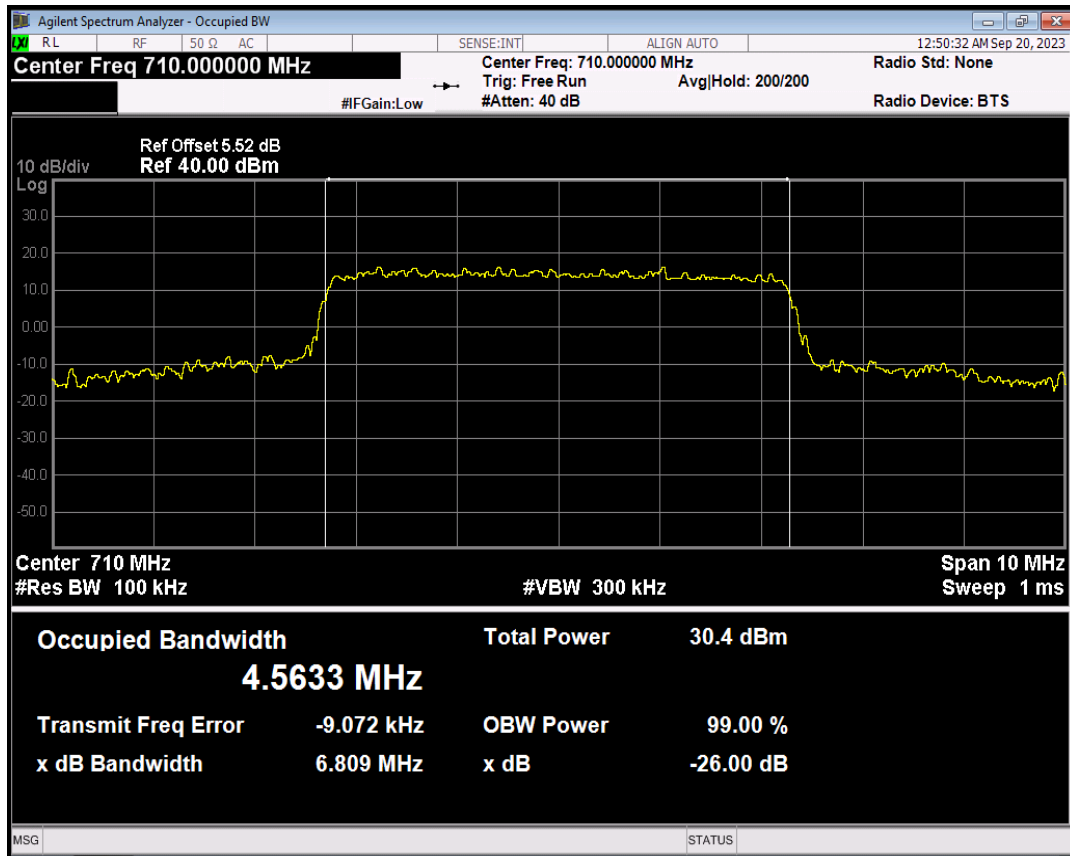


Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0

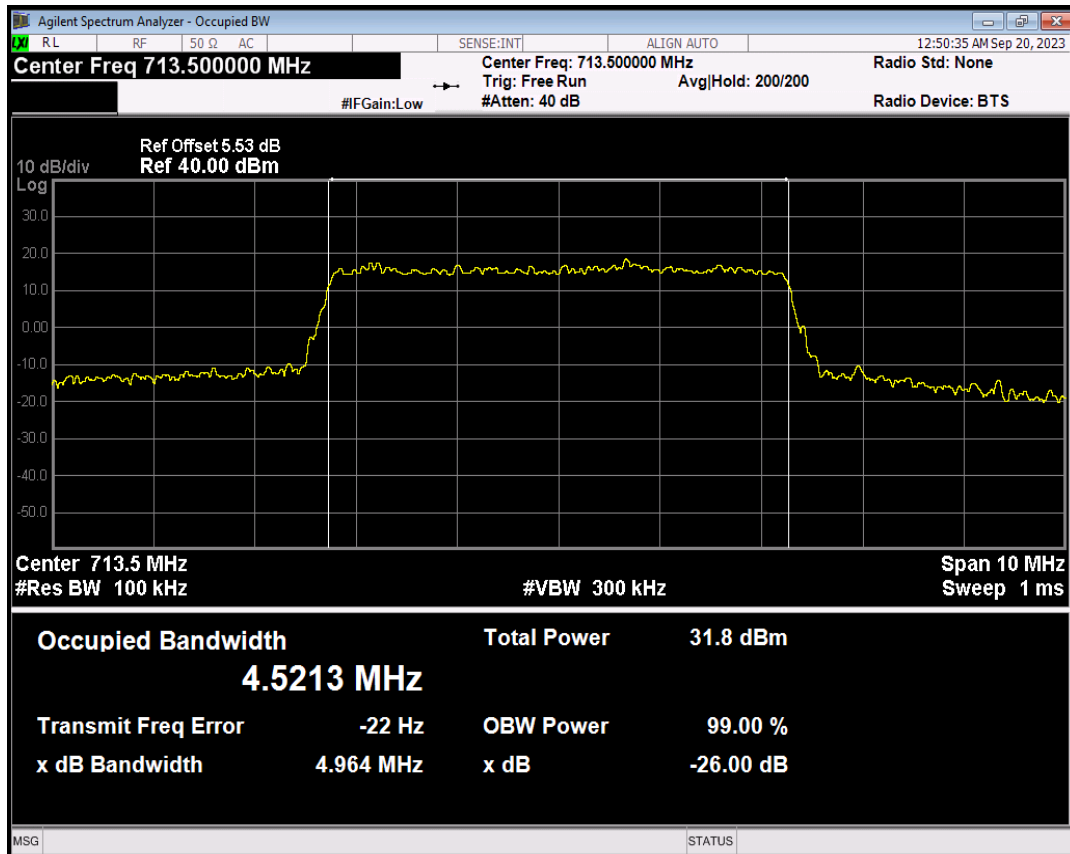




Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0

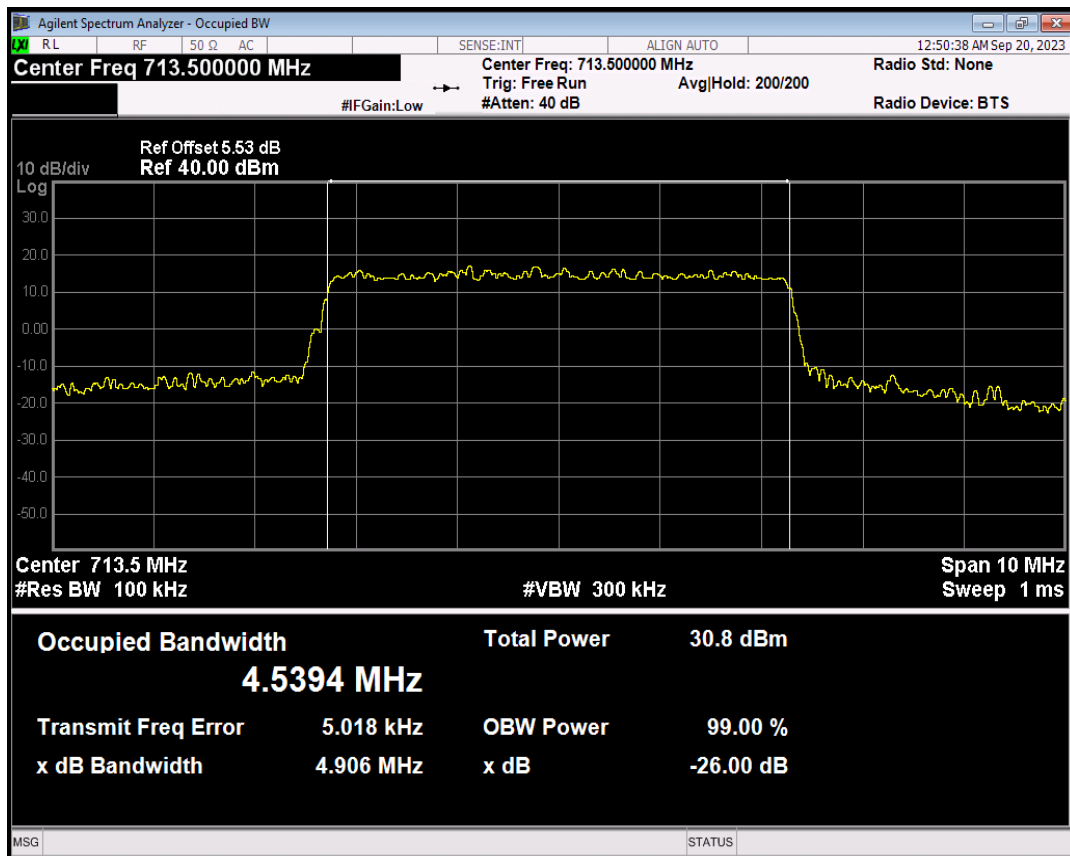


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

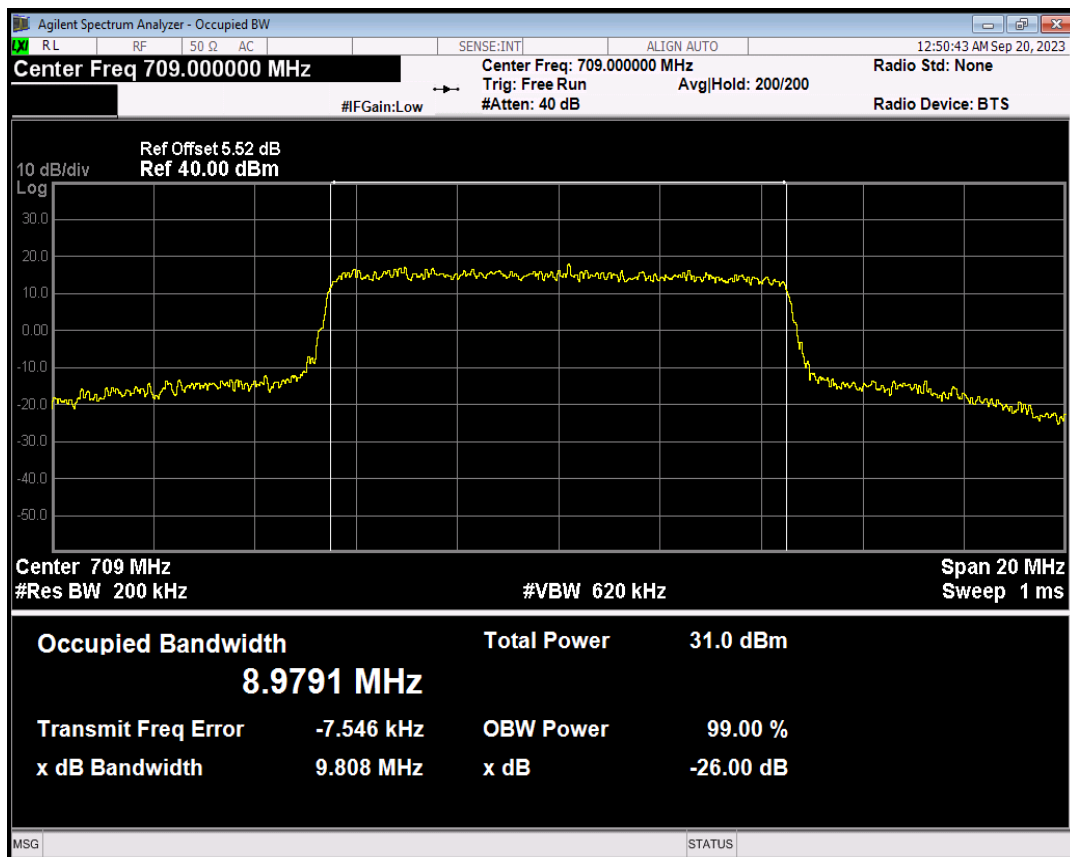




Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

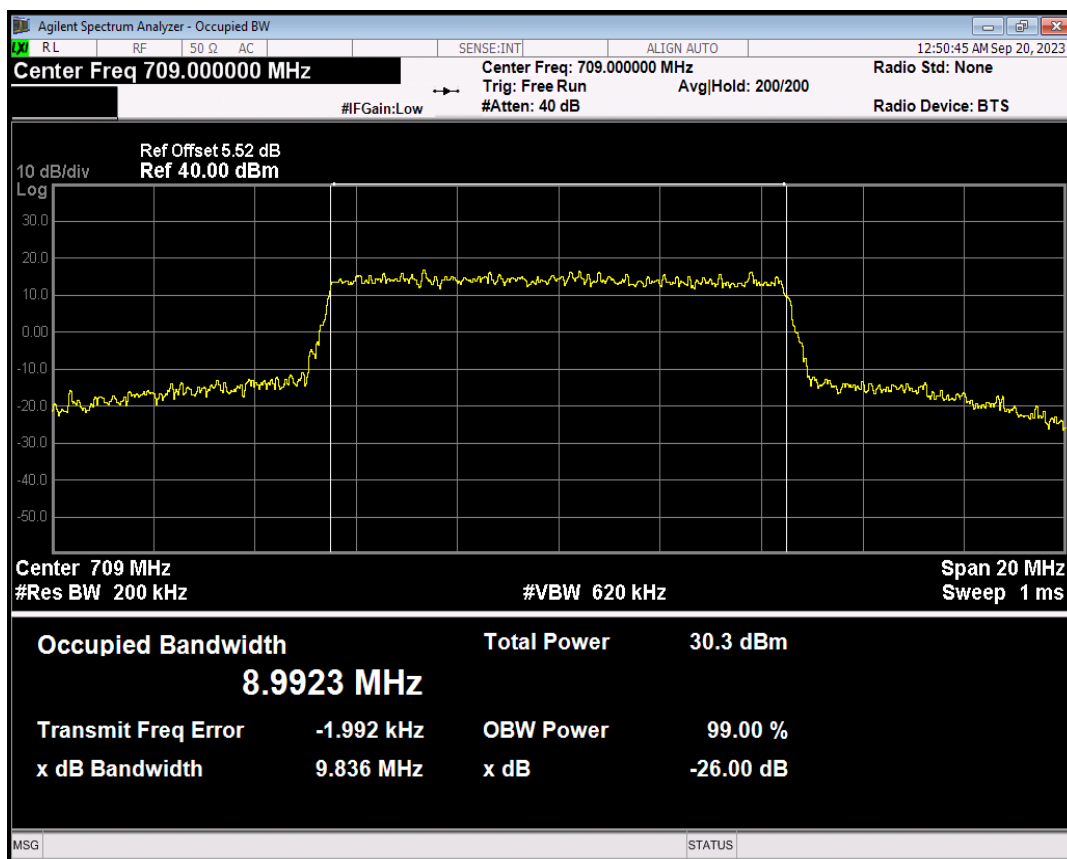


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

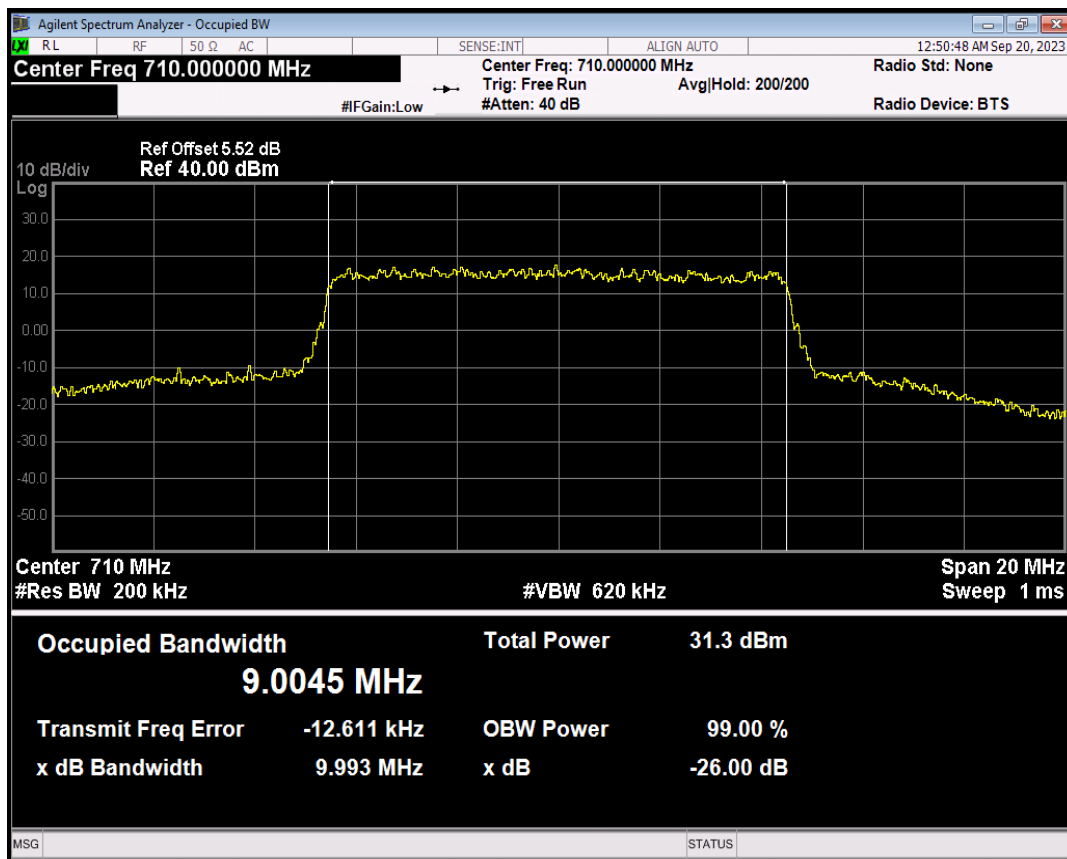




Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

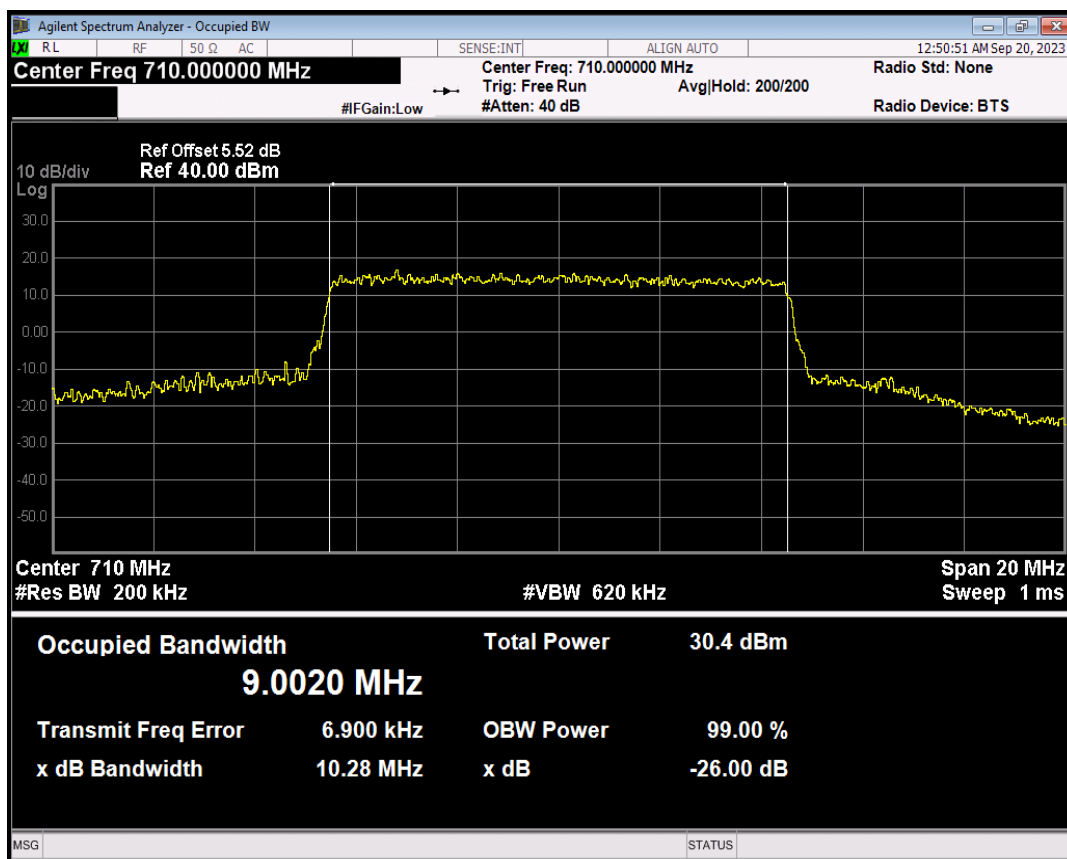


Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0

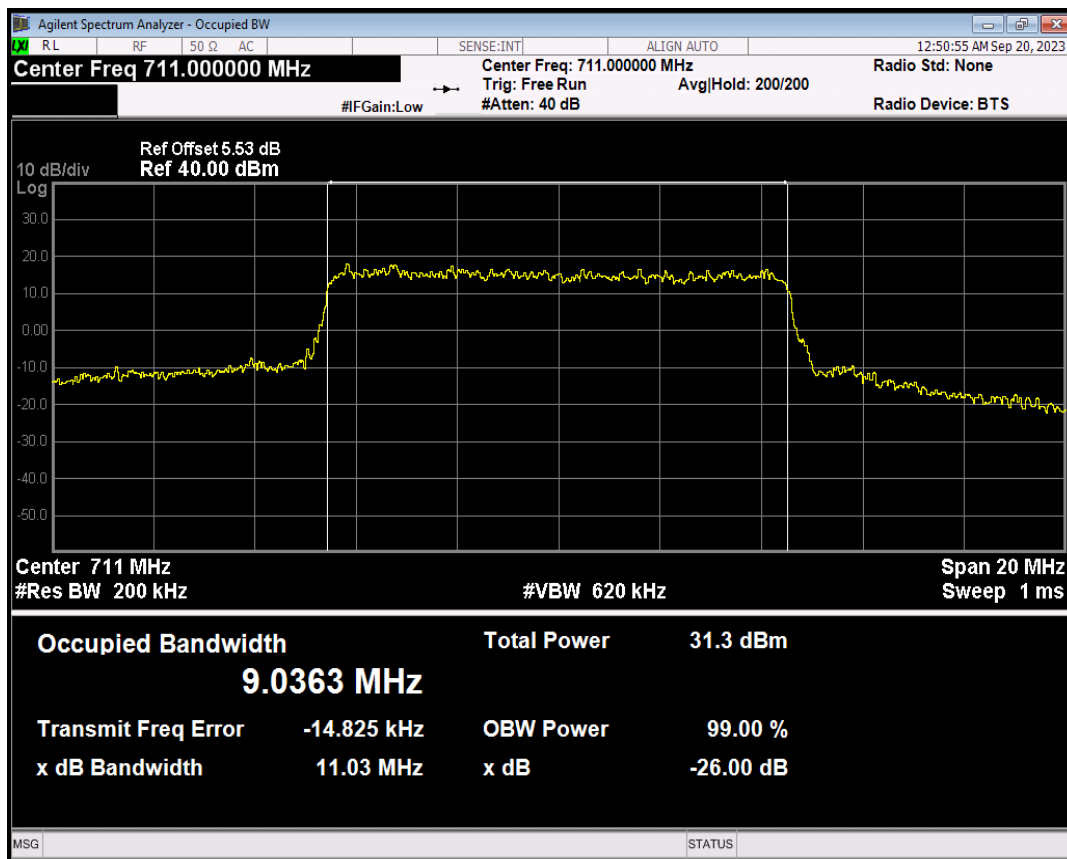




Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0

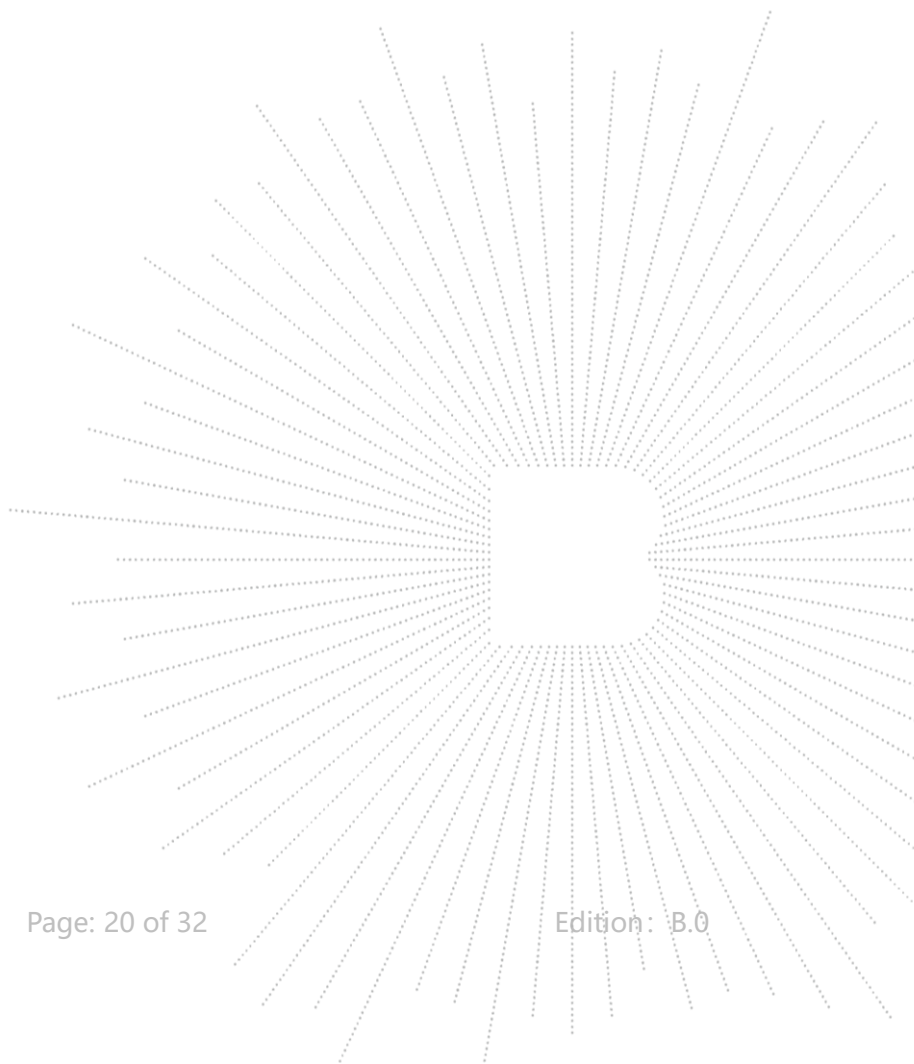
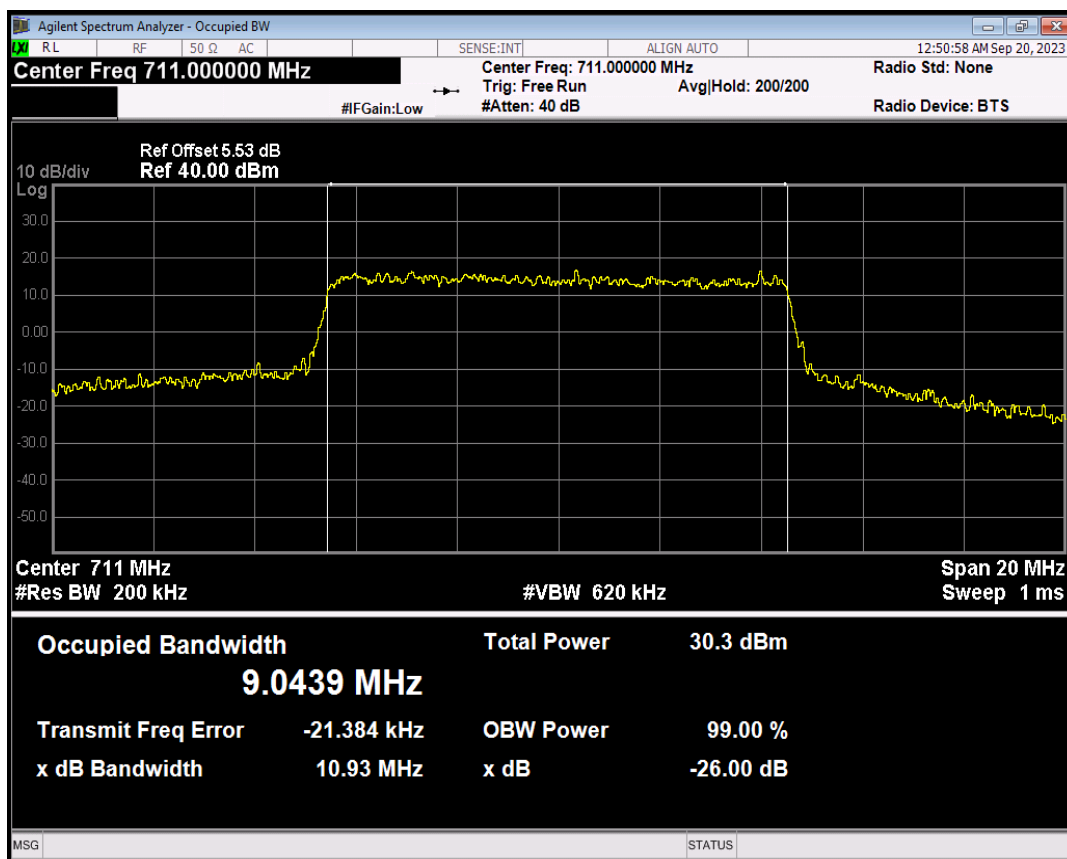


Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





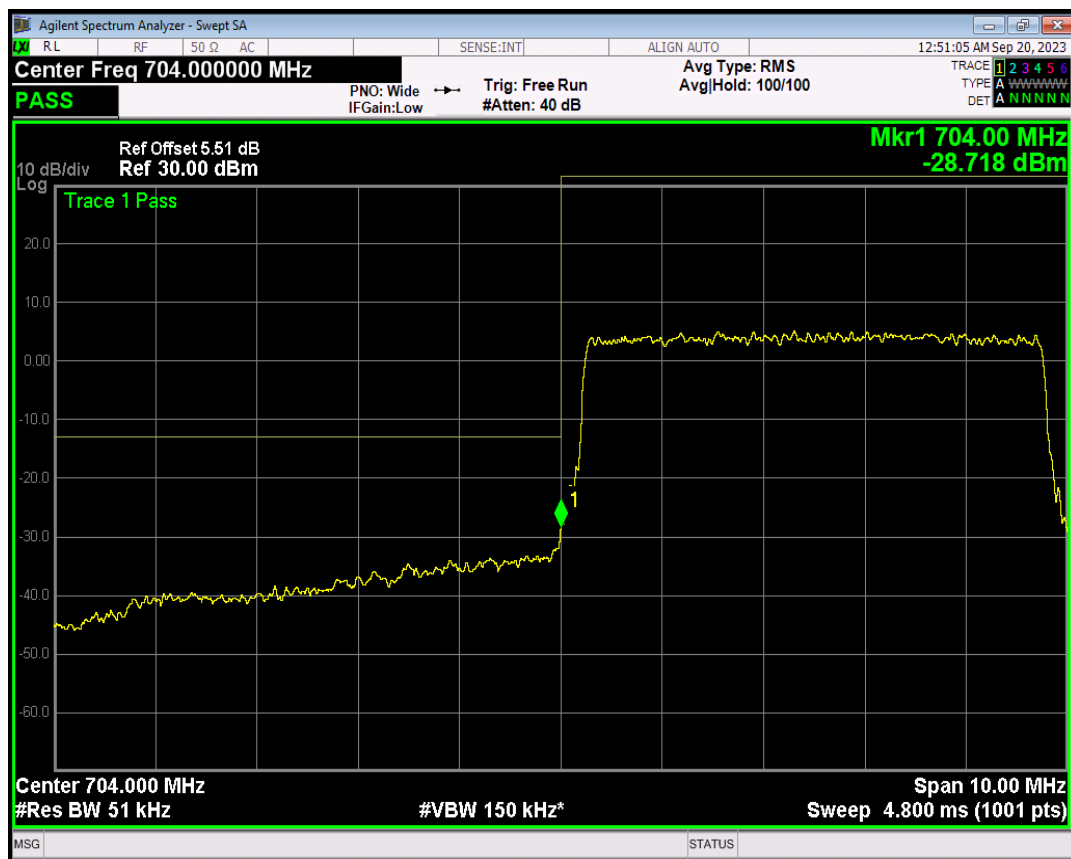
Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



Appendix 5. Band edge

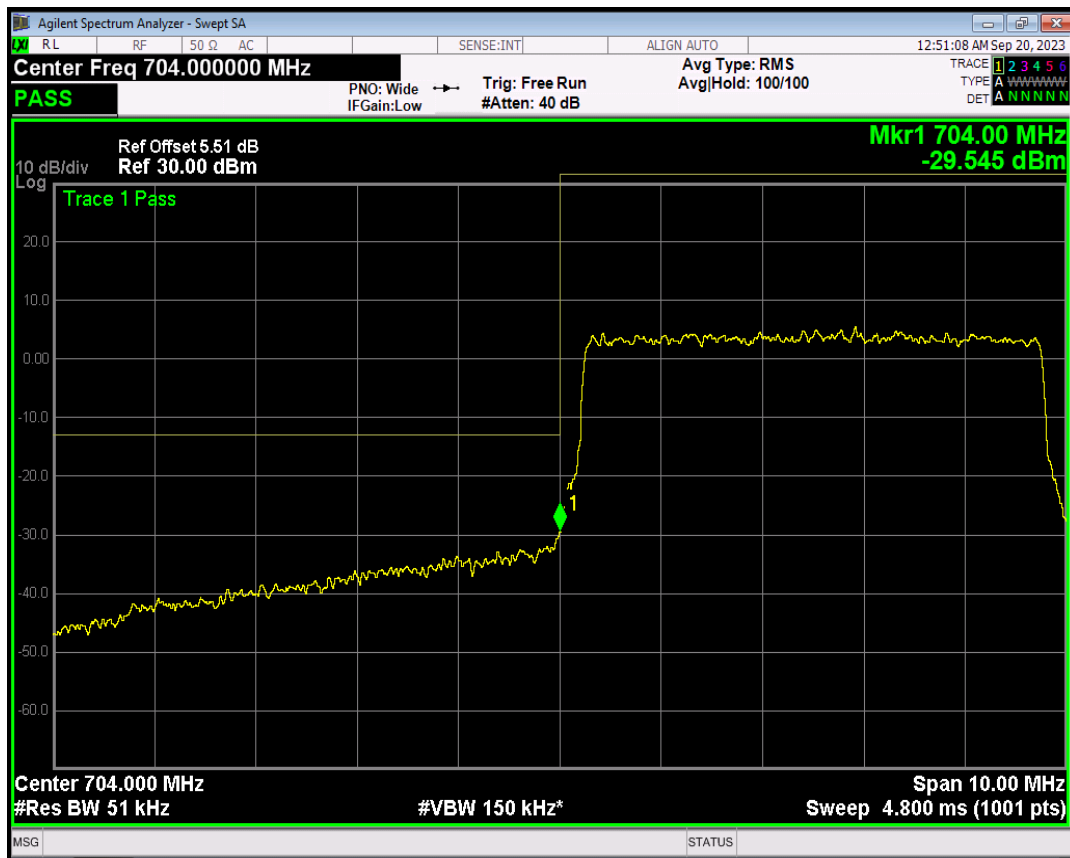
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QPSK	704.00	-28.71	-13	PASS
Band17	5	23755	25	#0	16QAM	704.00	-29.54	-13	PASS
Band17	5	23825	25	#0	QPSK	716.03	-22.38	-13	PASS
Band17	5	23825	25	#0	16QAM	716.00	-25.03	-13	PASS
Band17	10	23780	50	#0	QPSK	703.82	-25.00	-13	PASS
Band17	10	23780	50	#0	16QAM	703.96	-26.01	-13	PASS
Band17	10	23800	50	#0	QPSK	716.14	-21.48	-13	PASS
Band17	10	23800	50	#0	16QAM	716.06	-23.73	-13	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

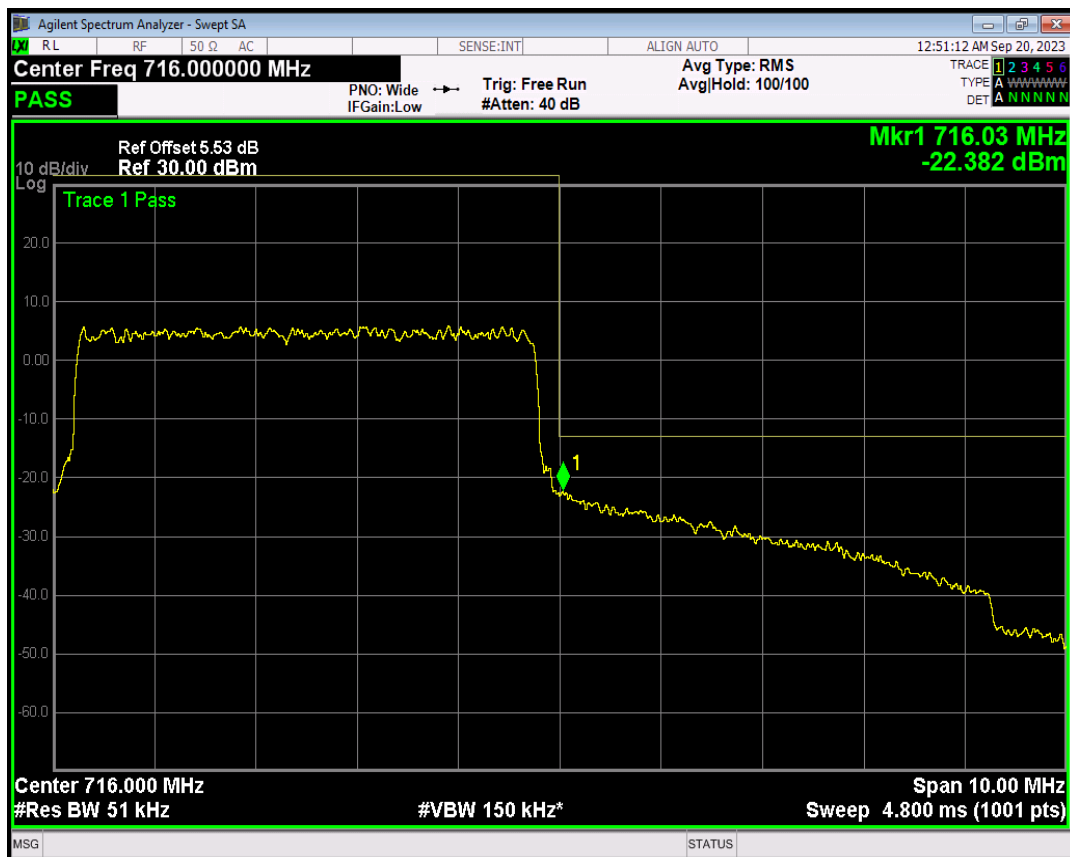




Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0

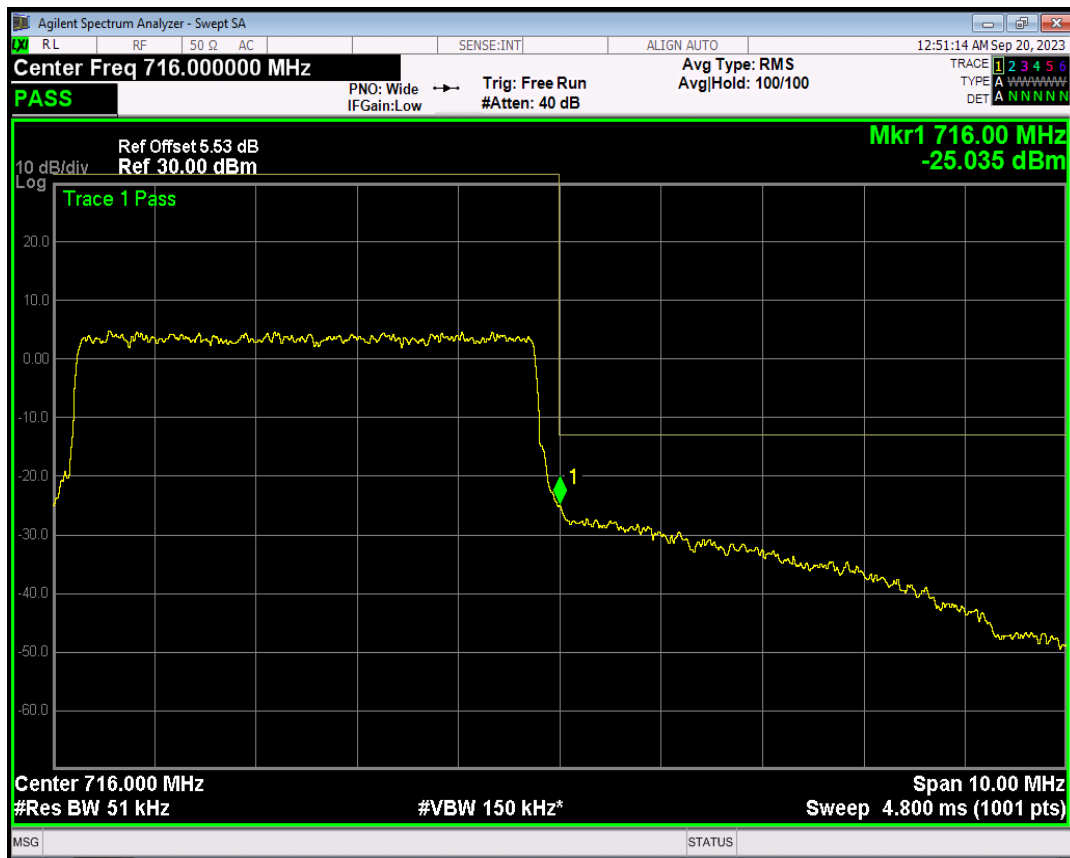


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

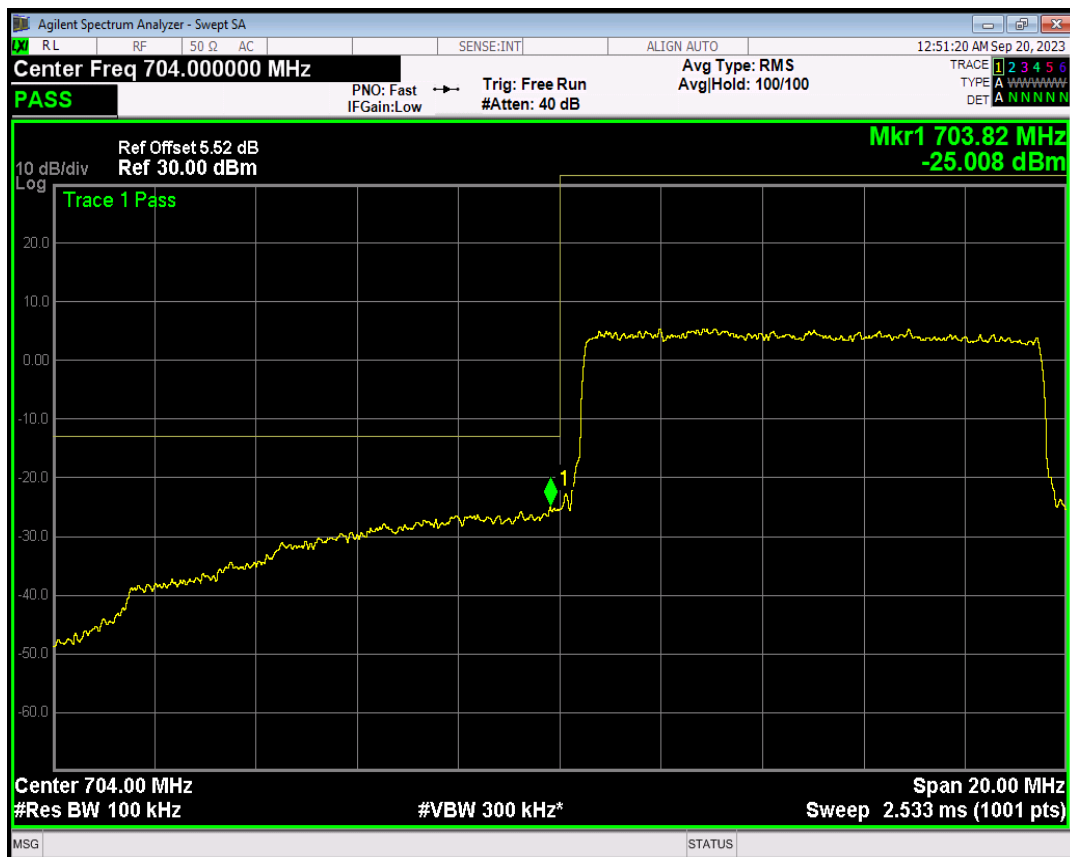




Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

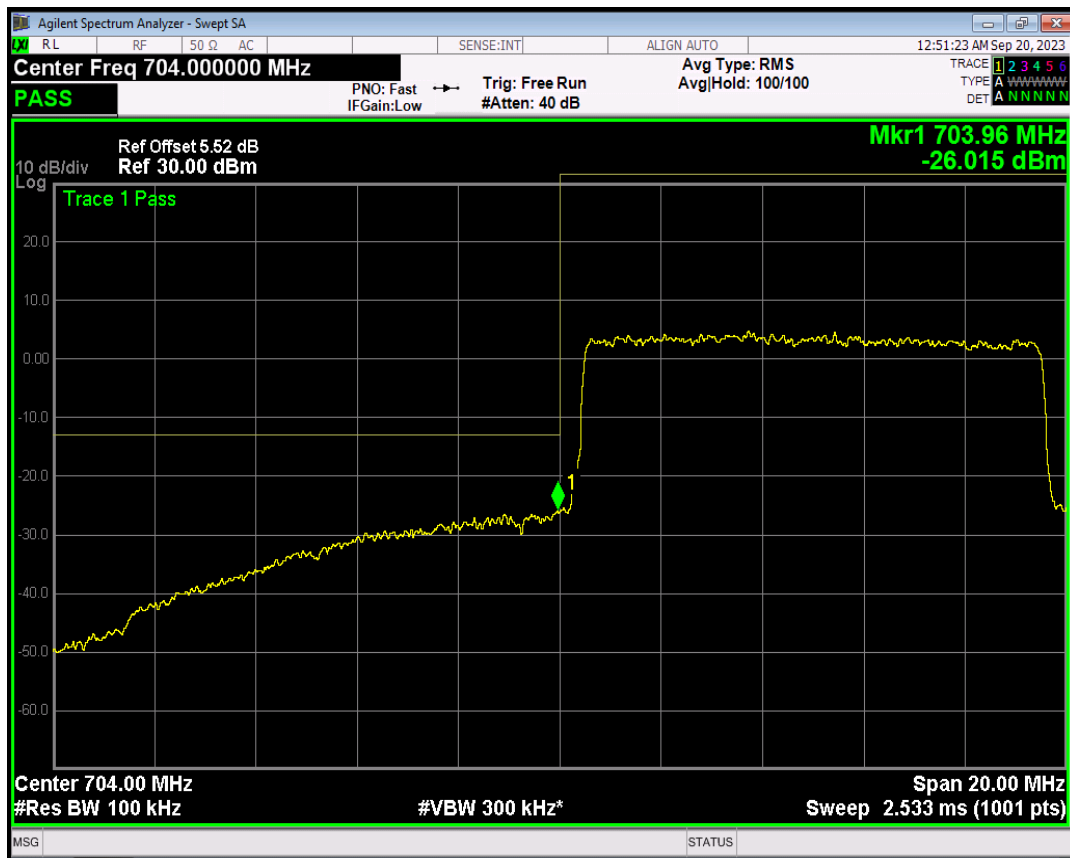


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0





Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

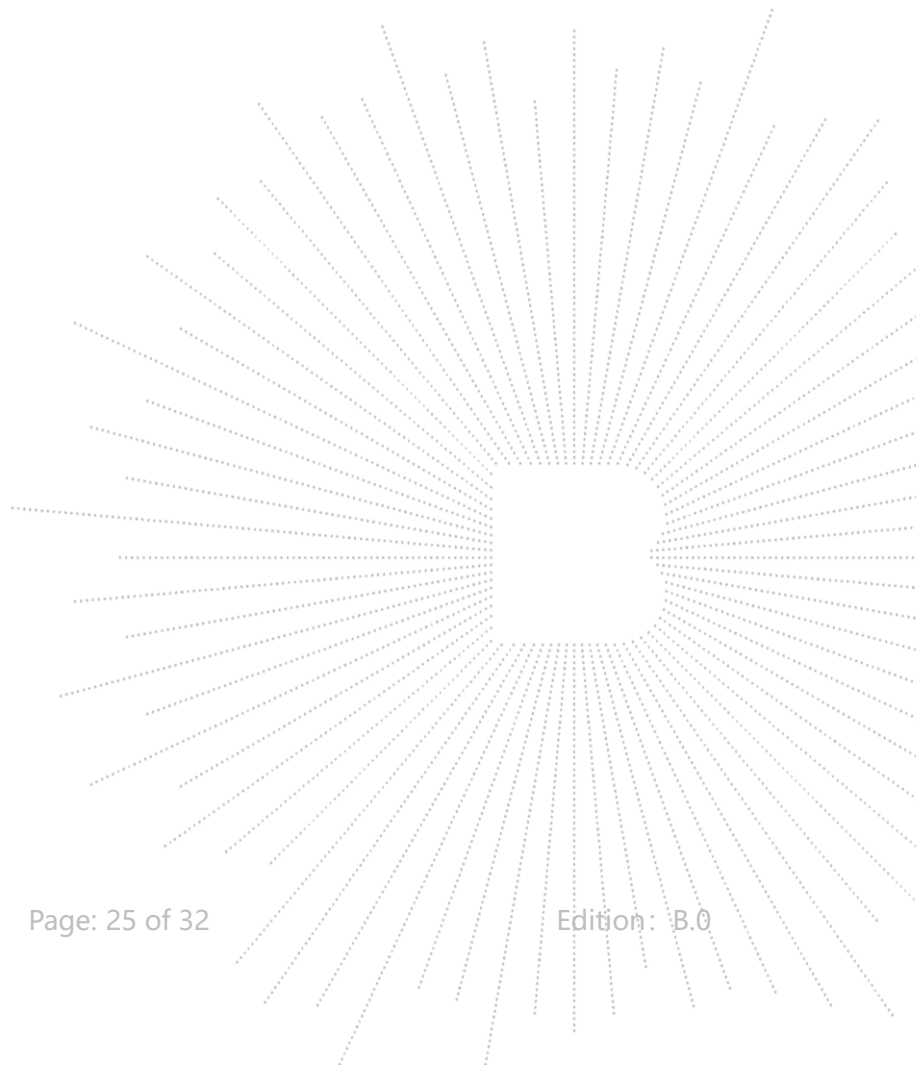


Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





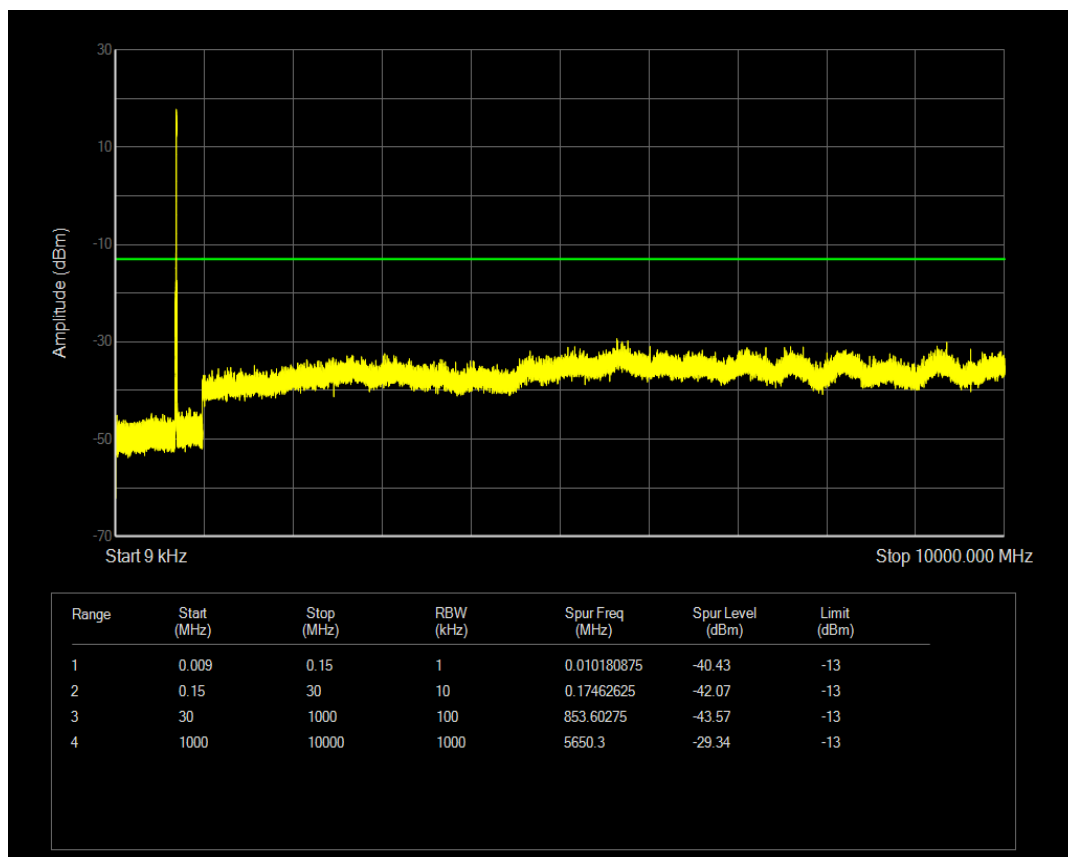
Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0



Appendix 6. Out-of-band emissions

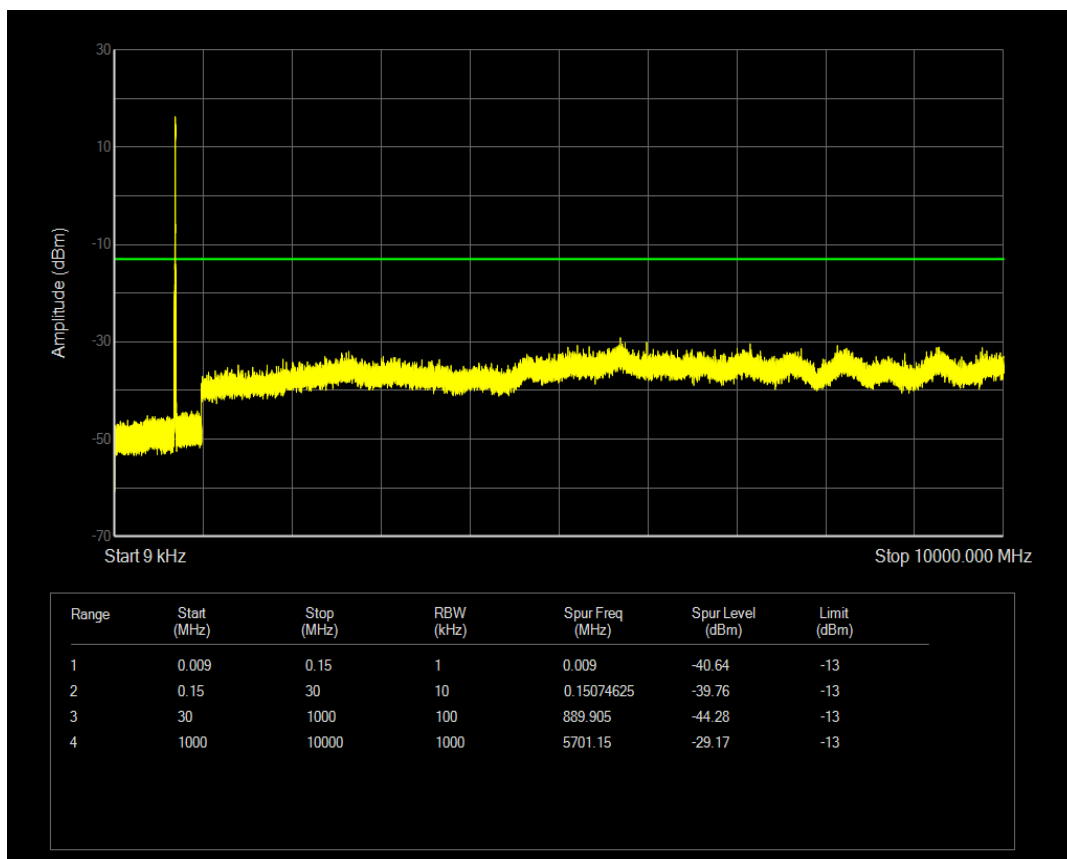
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QPSK	5650.30	-29.34	-13	PASS
Band17	5	23755	25	#0	16QAM	5701.15	-29.17	-13	PASS
Band17	5	23790	25	#0	QPSK	5731.08	-30.29	-13	PASS
Band17	5	23790	25	#0	16QAM	5675.05	-29.43	-13	PASS
Band17	5	23825	25	#0	QPSK	8214.40	-30.38	-13	PASS
Band17	5	23825	25	#0	16QAM	5920.98	-29.56	-13	PASS
Band17	10	23780	50	#0	QPSK	5734.23	-30.10	-13	PASS
Band17	10	23780	50	#0	16QAM	5663.58	-29.72	-13	PASS
Band17	10	23790	50	#0	QPSK	5635.00	-30.15	-13	PASS
Band17	10	23790	50	#0	16QAM	5178.93	-30.44	-13	PASS
Band17	10	23800	50	#0	QPSK	5662.45	-30.15	-13	PASS
Band17	10	23800	50	#0	16QAM	5667.85	-29.61	-13	PASS

Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0

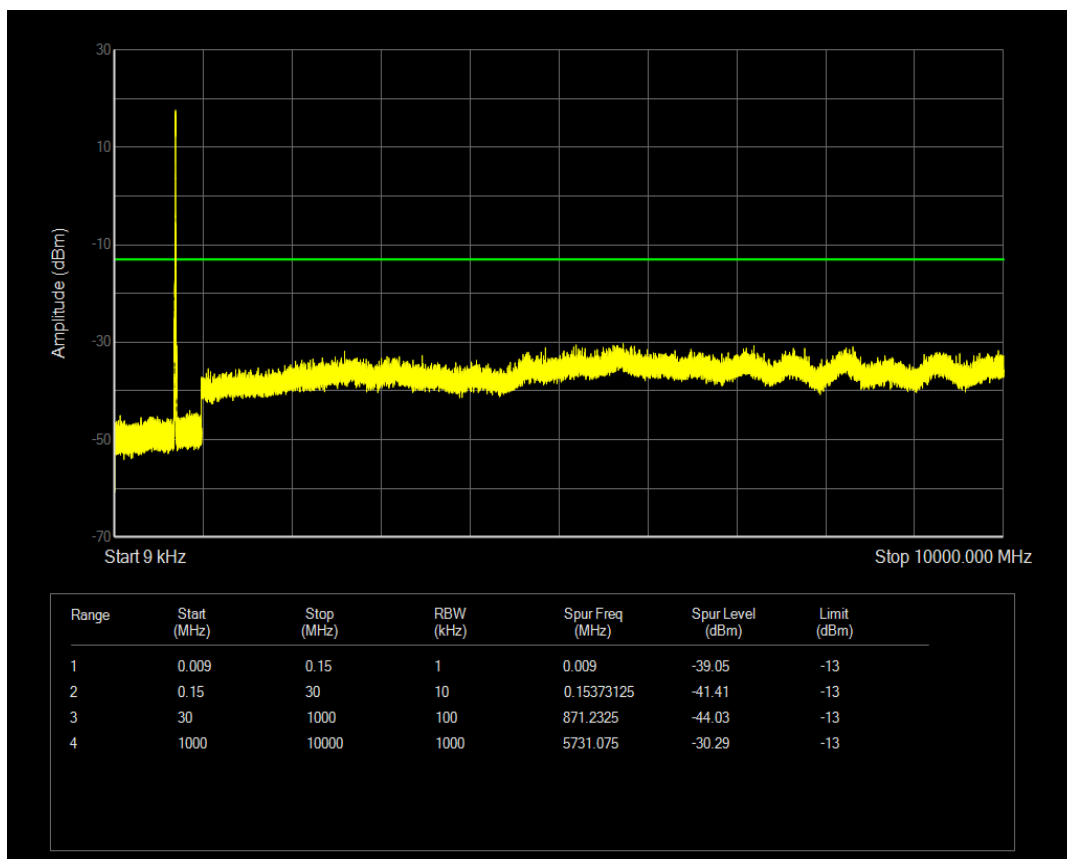




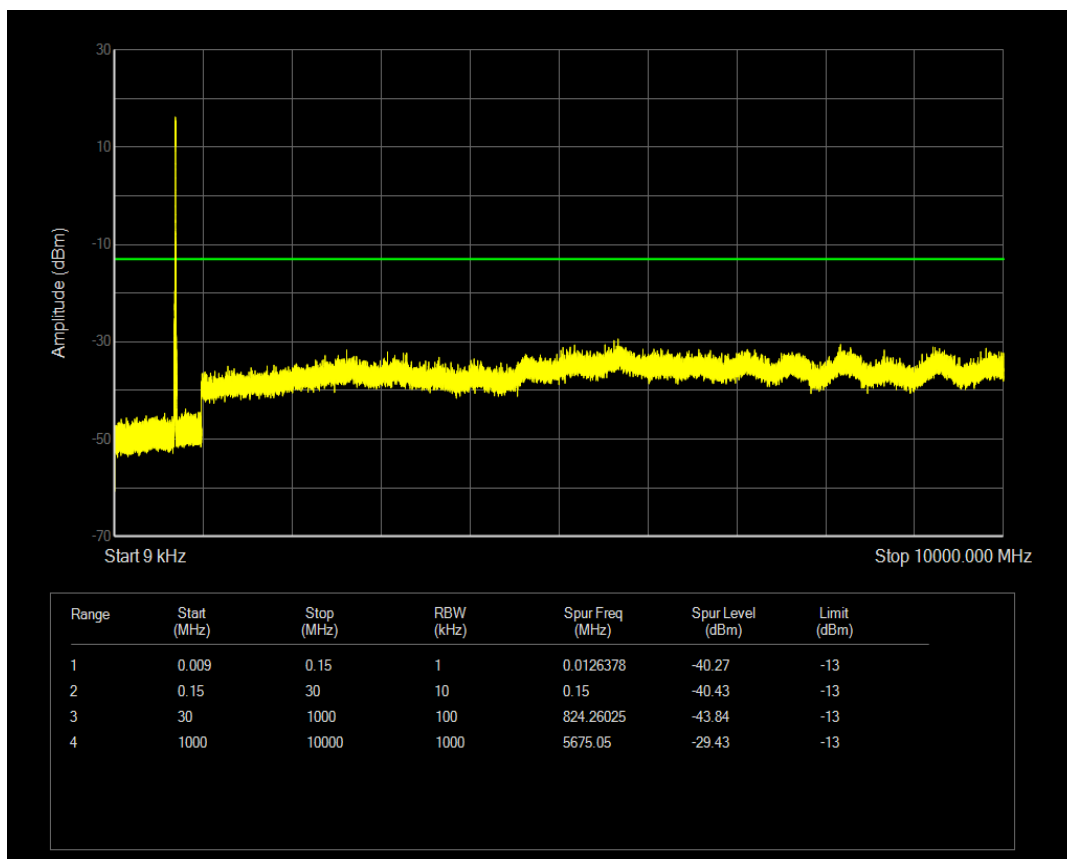
Band17 16QAM BW=5MHz Channel=23755 RB Size=25 Position=#0



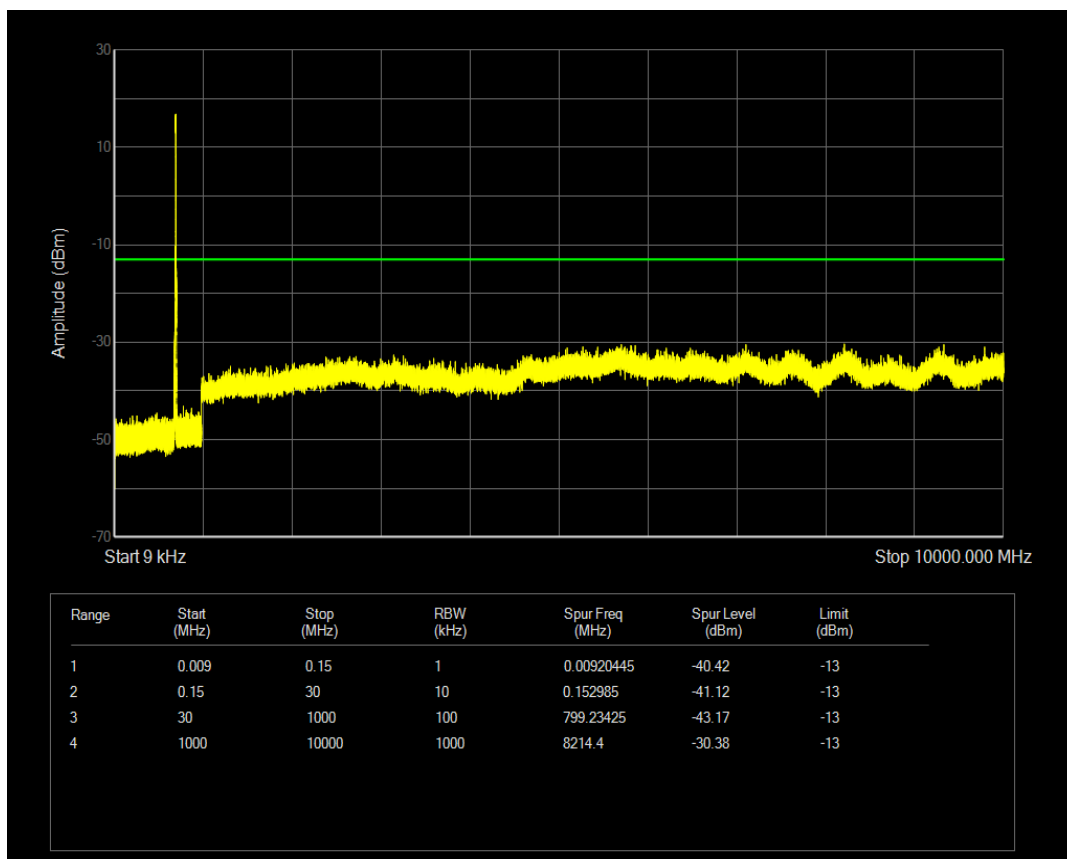
Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0



Band17 16QAM BW=5MHz Channel=23790 RB Size=25 Position=#0

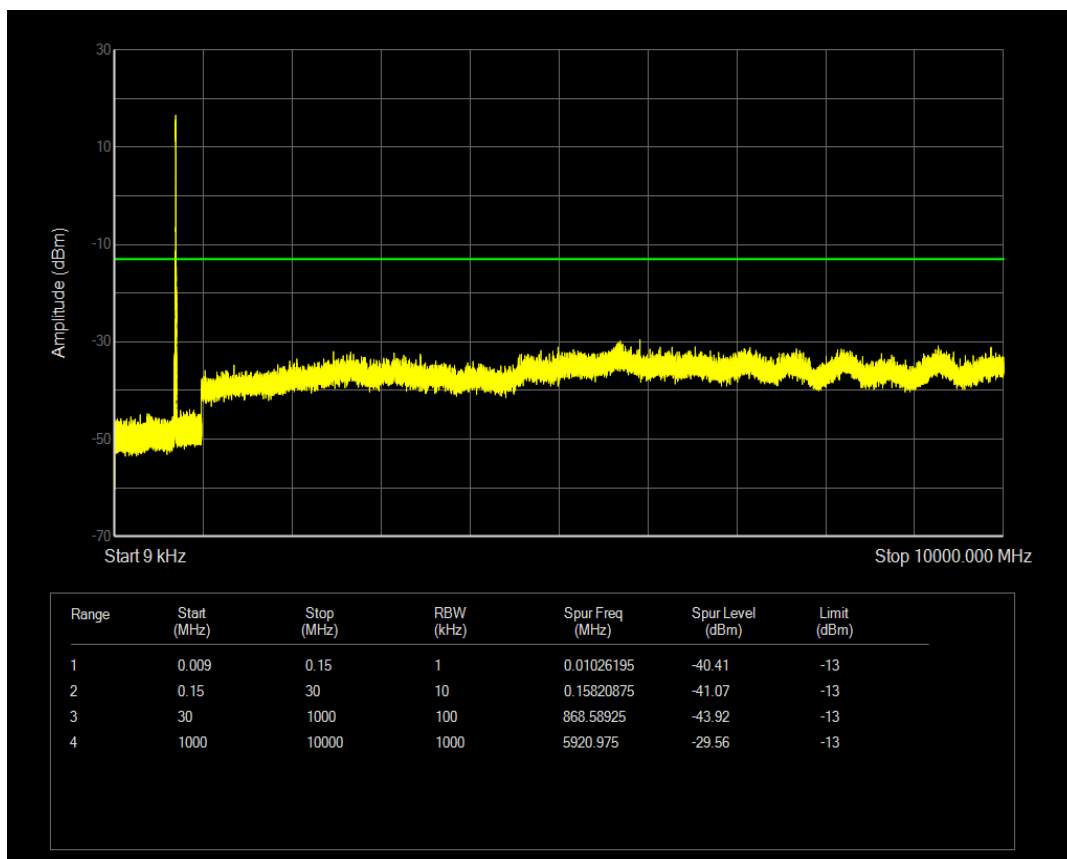


Band17 QPSK BW=5MHz Channel=23825 RB Size=25 Position=#0

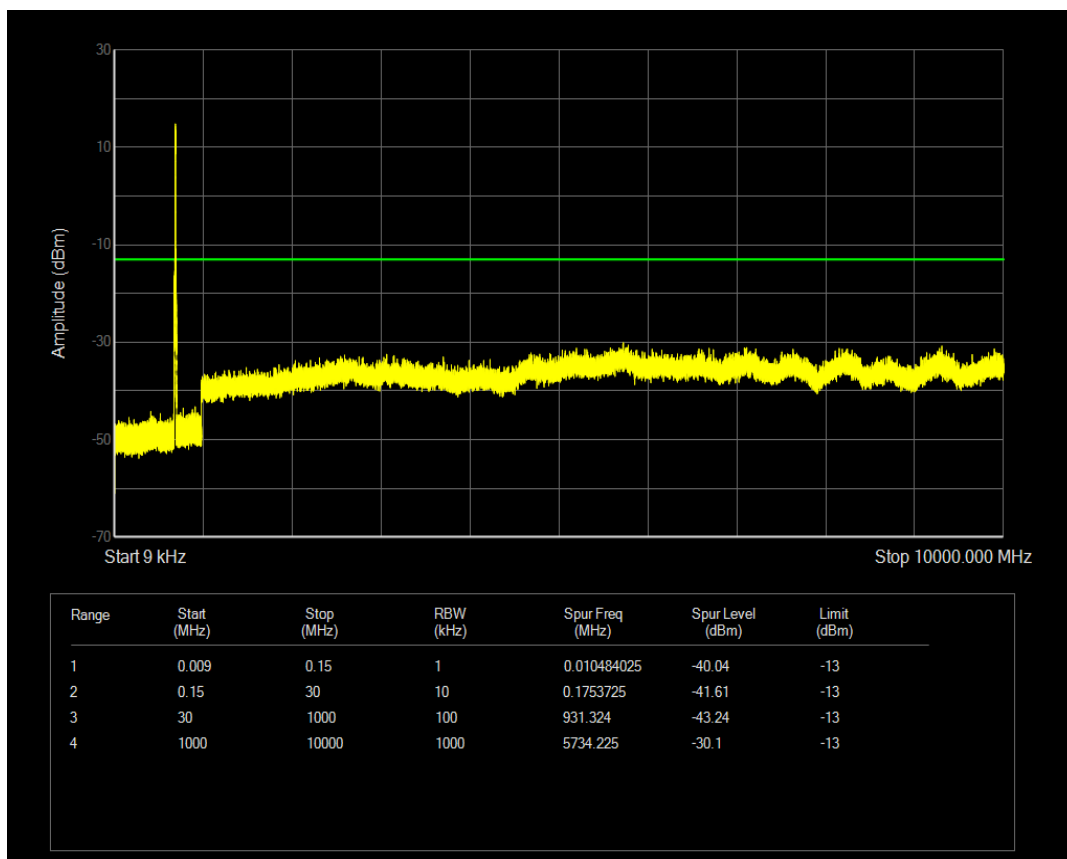




Band17 16QAM BW=5MHz Channel=23825 RB Size=25 Position=#0

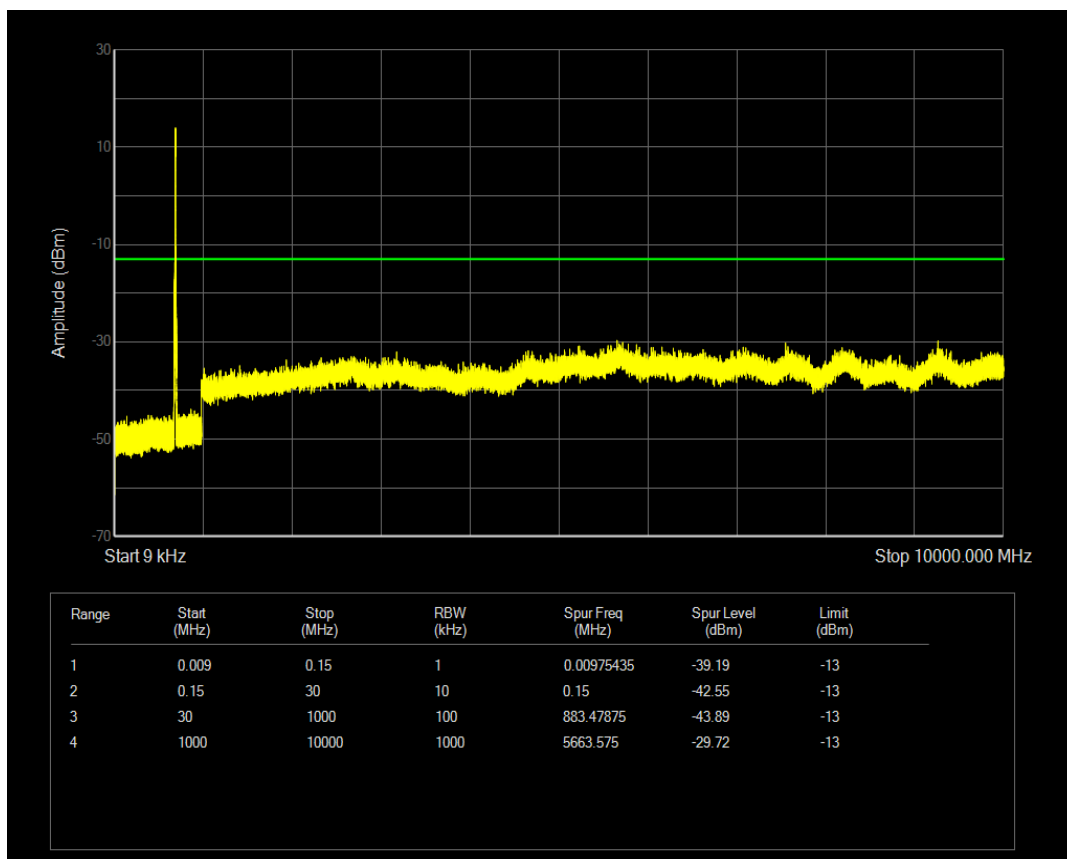


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

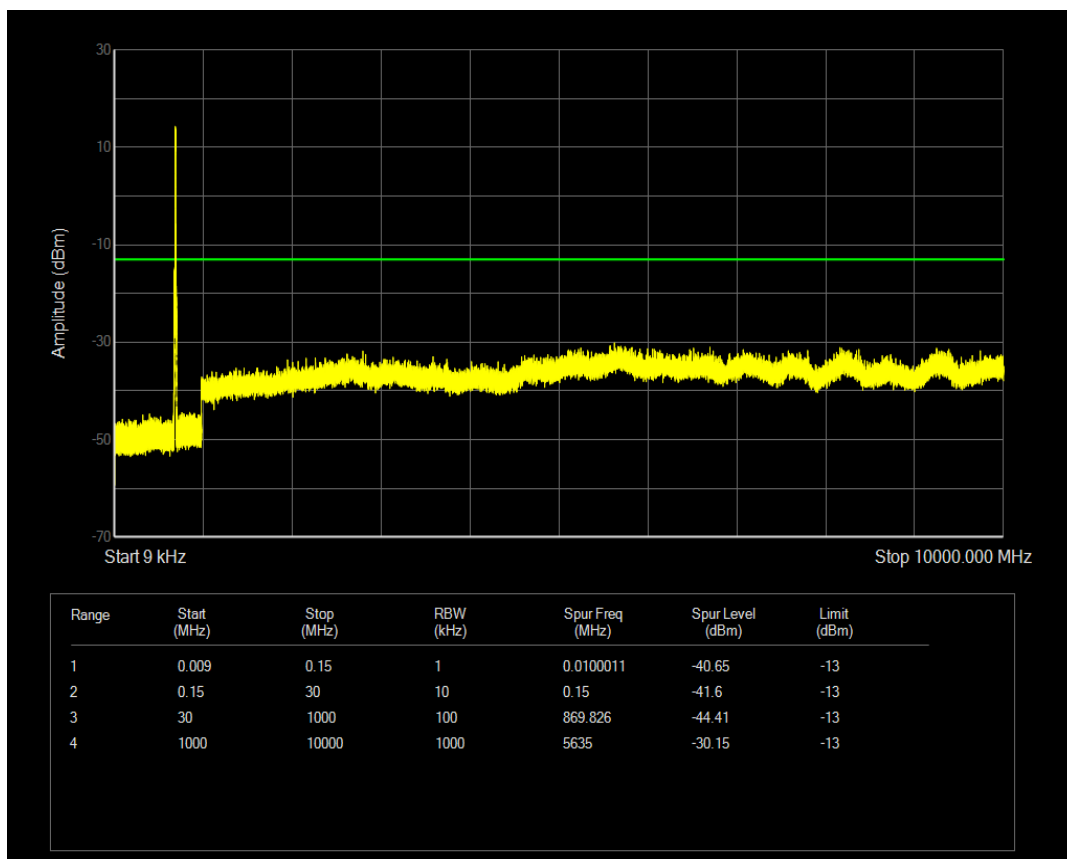




Band17 16QAM BW=10MHz Channel=23780 RB Size=50 Position=#0

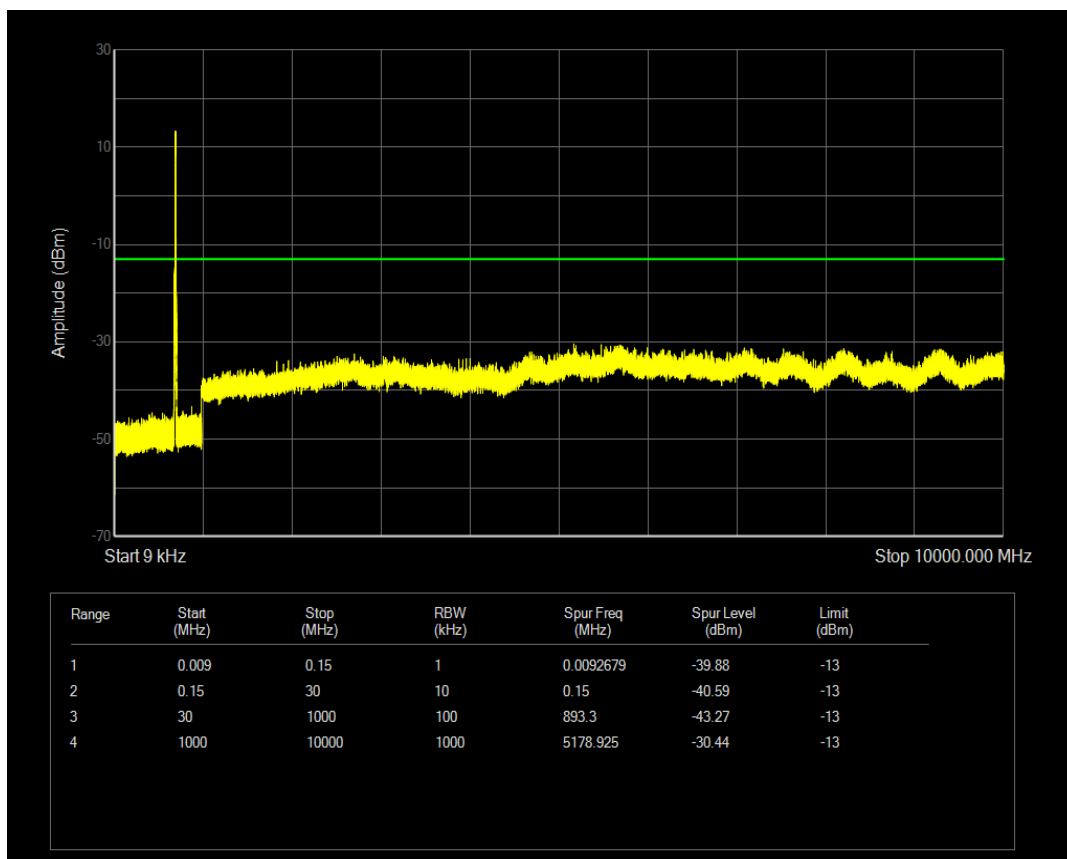


Band17 QPSK BW=10MHz Channel=23790 RB Size=50 Position=#0

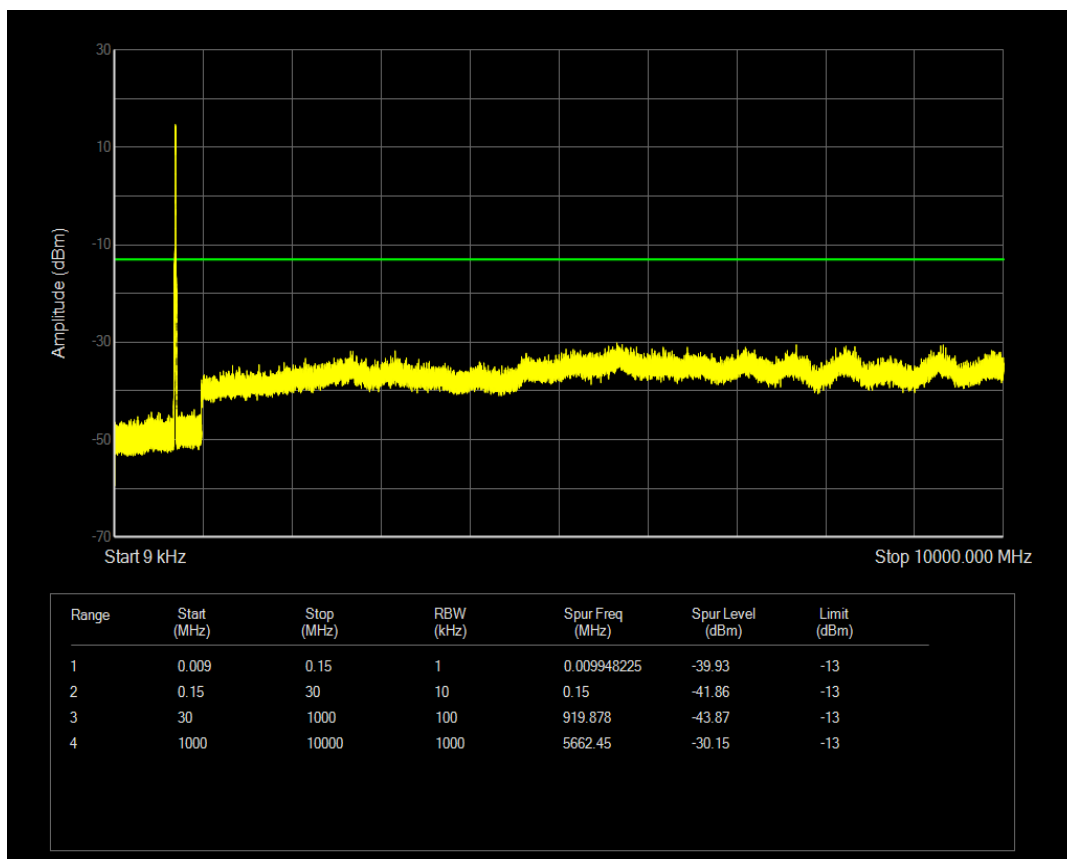




Band17 16QAM BW=10MHz Channel=23790 RB Size=50 Position=#0



Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0





Band17 16QAM BW=10MHz Channel=23800 RB Size=50 Position=#0

