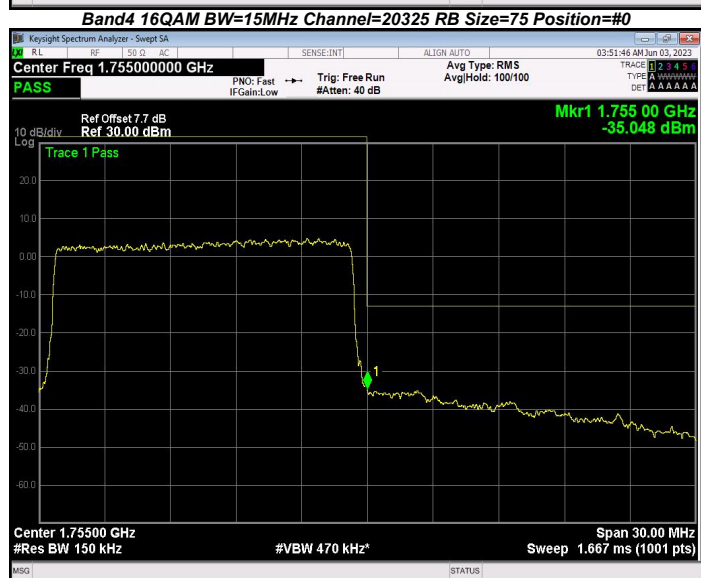
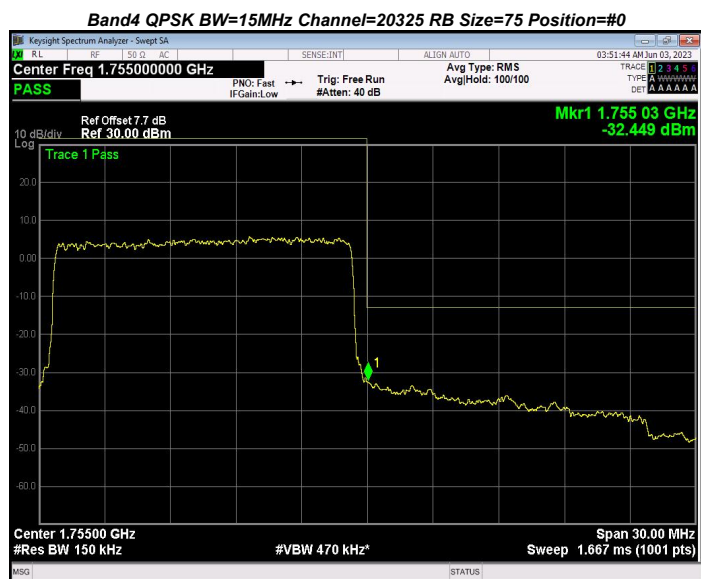




Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



Band25 QPSK BW=1.4MHz Channel=26047 RB Size=6 Position=#0



Band25 16QAM BW=1.4MHz Channel=26047 RB Size=6 Position=#0



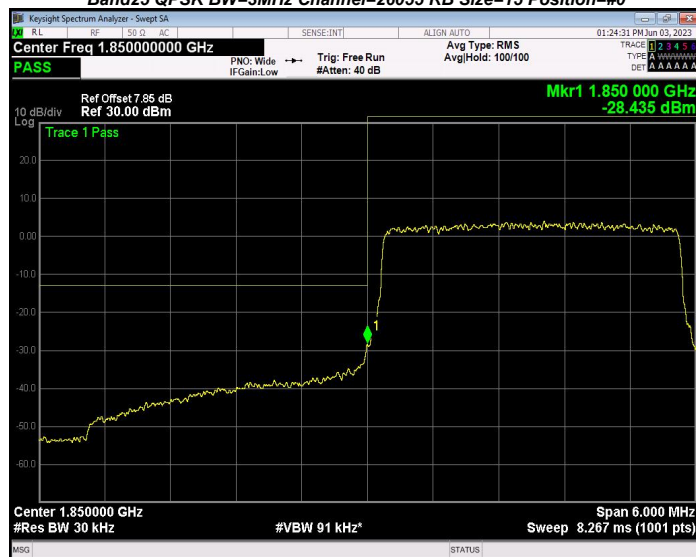
Band25 QPSK BW=1.4MHz Channel=26683 RB Size=6 Position=#0



Band25 16QAM BW=1.4MHz Channel=26683 RB Size=6 Position=#0

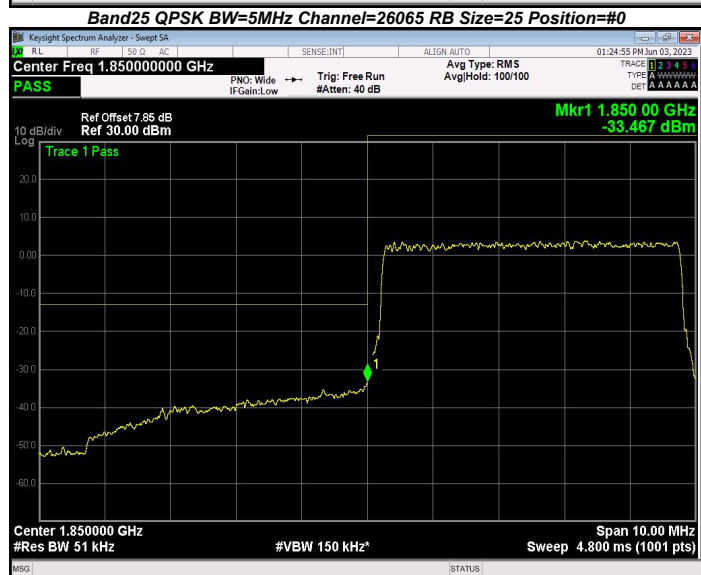
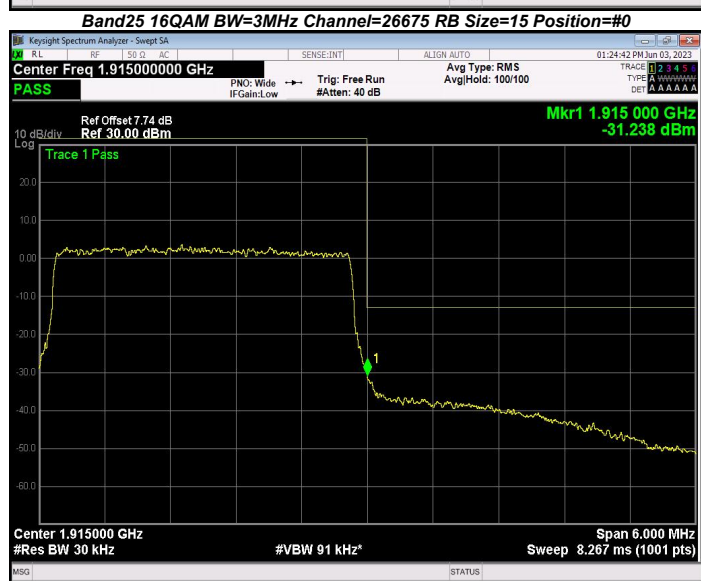
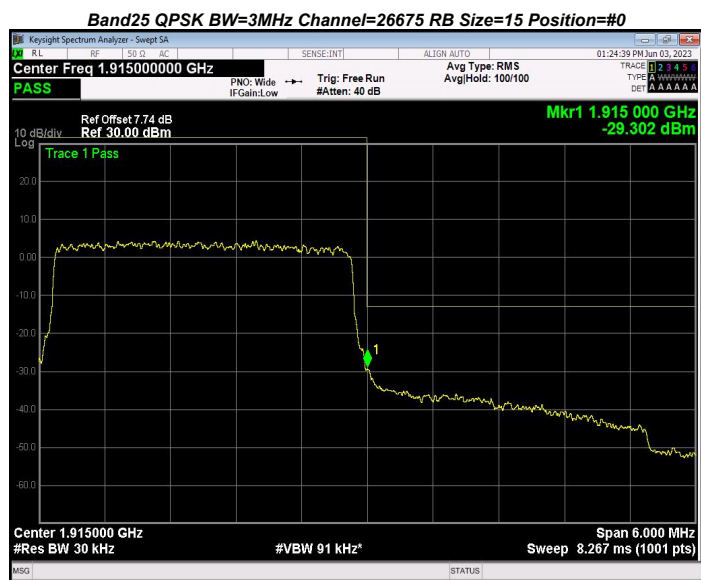


Band25 QPSK BW=3MHz Channel=26055 RB Size=15 Position=#0



Band25 16QAM BW=3MHz Channel=26055 RB Size=15 Position=#0





Band25 16QAM BW=5MHz Channel=26065 RB Size=25 Position=#0



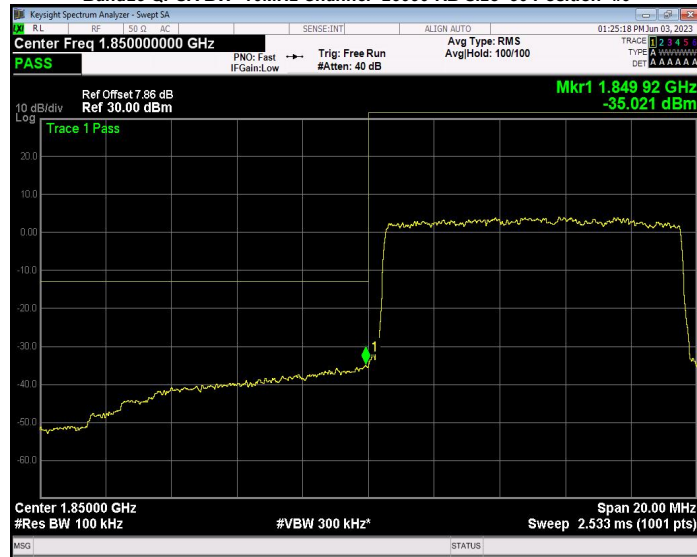
Band25 QPSK BW=5MHz Channel=26665 RB Size=25 Position=#0



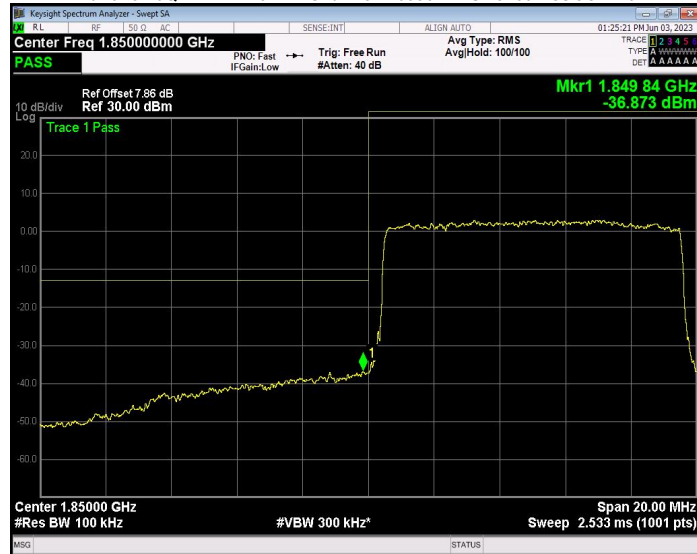
Band25 16QAM BW=5MHz Channel=26665 RB Size=25 Position=#0



Band25 QPSK BW=10MHz Channel=26090 RB Size=50 Position=#0

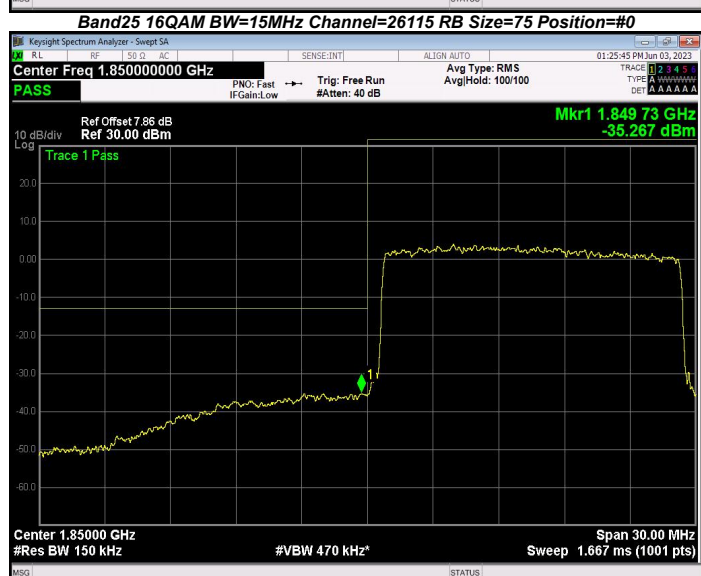
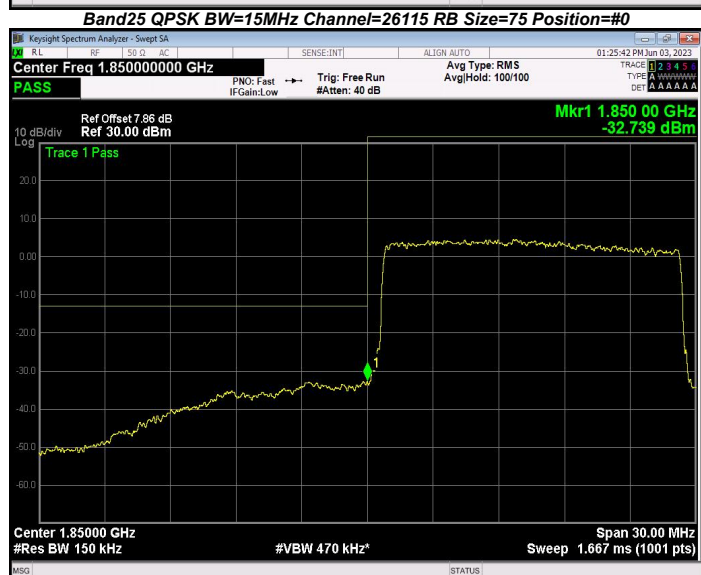
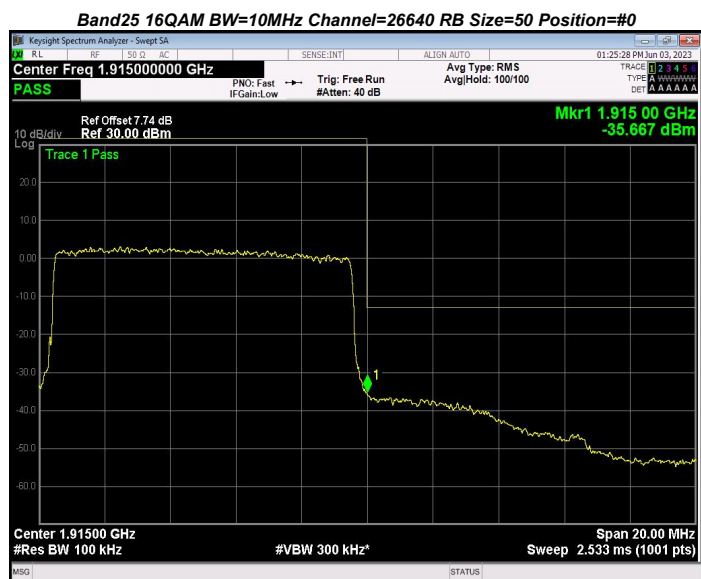


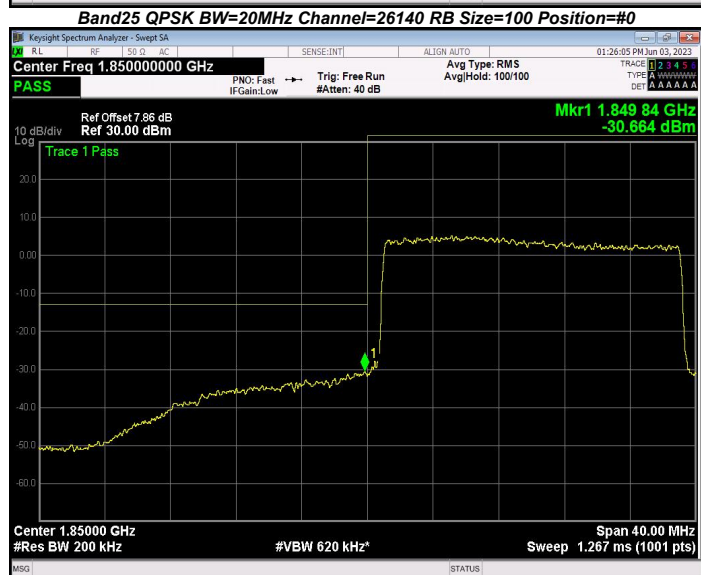
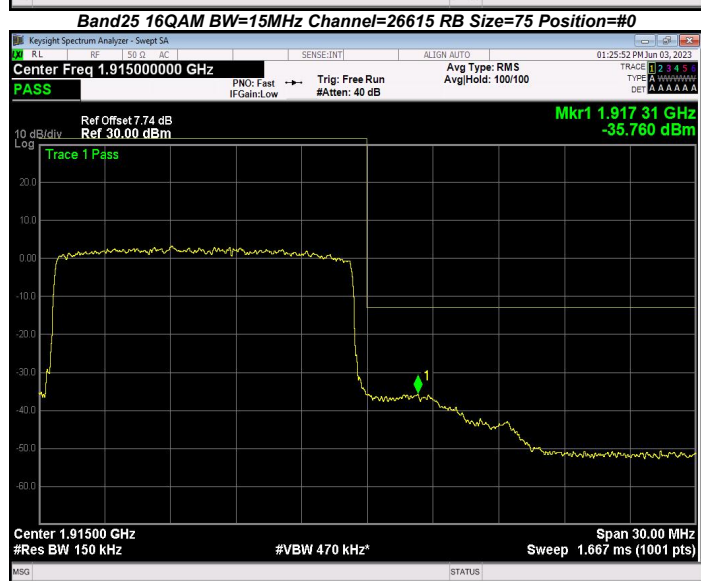
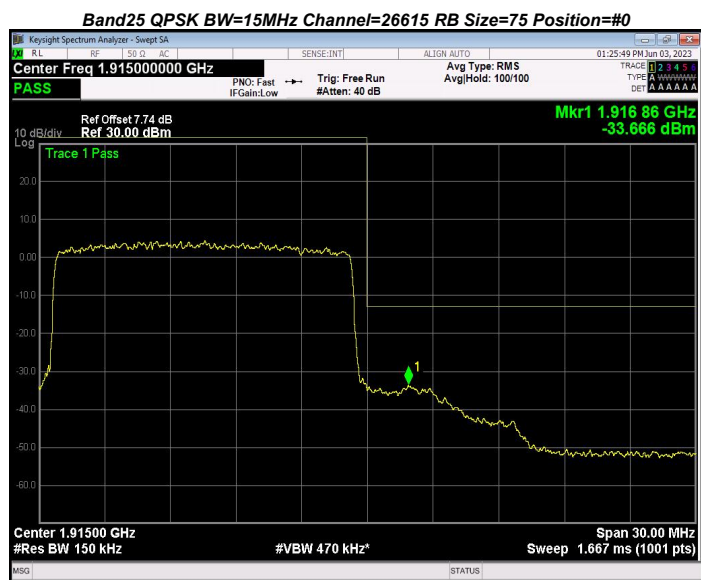
Band25 16QAM BW=10MHz Channel=26090 RB Size=50 Position=#0

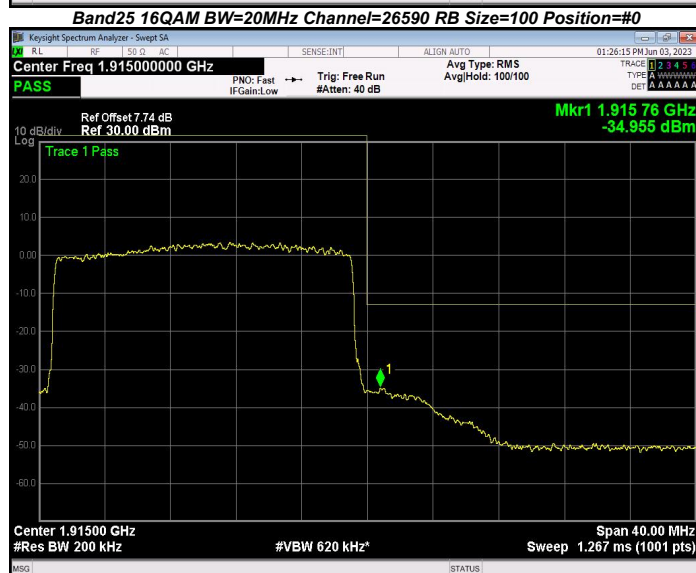
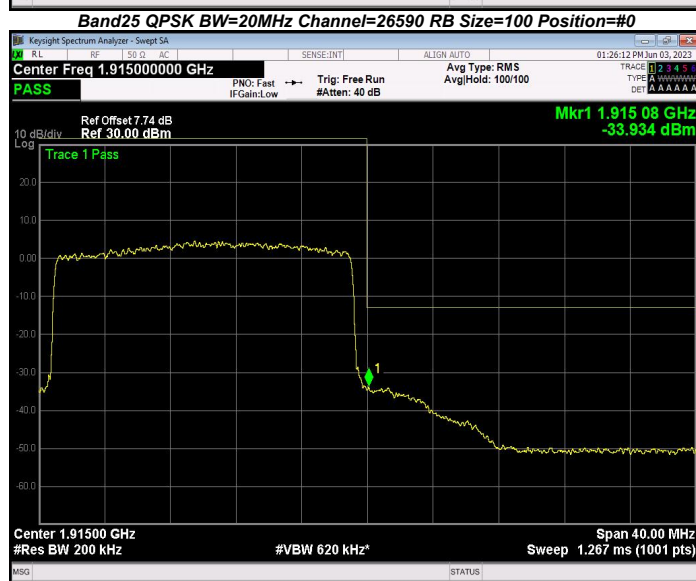
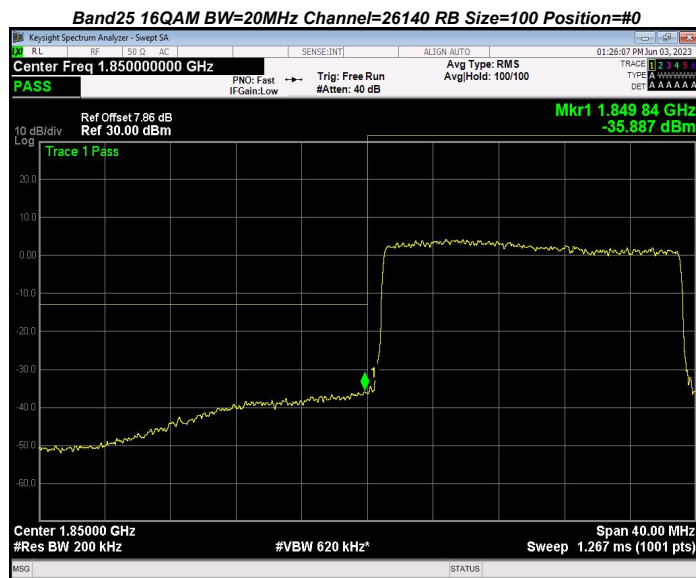


Band25 QPSK BW=10MHz Channel=26640 RB Size=50 Position=#0







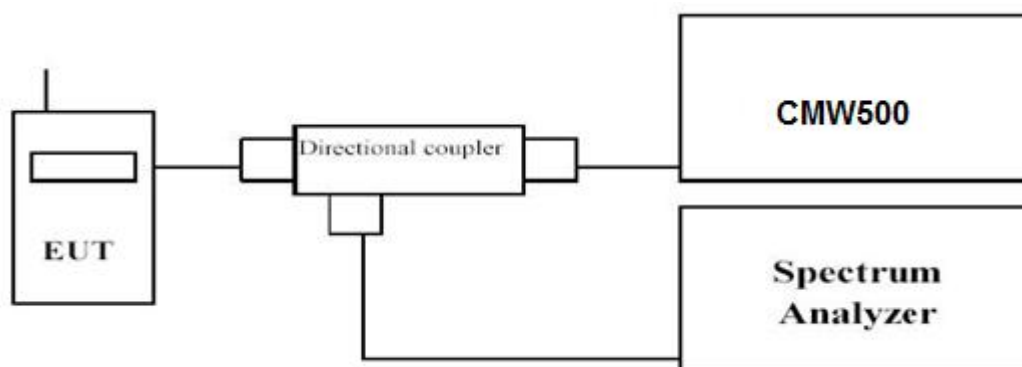


4.5 Spurious Emission on Antenna Port

LIMIT

Per FCC §24.238, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to EIA/TIA 603D

- Place the EUT on a bench and set it in transmitting mode.
- Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Coupler.
- EUT Communicate with CMW500, then select a channel for testing.
- Add a correction factor to the display of spectrum, and then test.
- The resolution bandwidth of the spectrum analyzer was set sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.
- Please refer to following tables for test antenna conducted emissions.

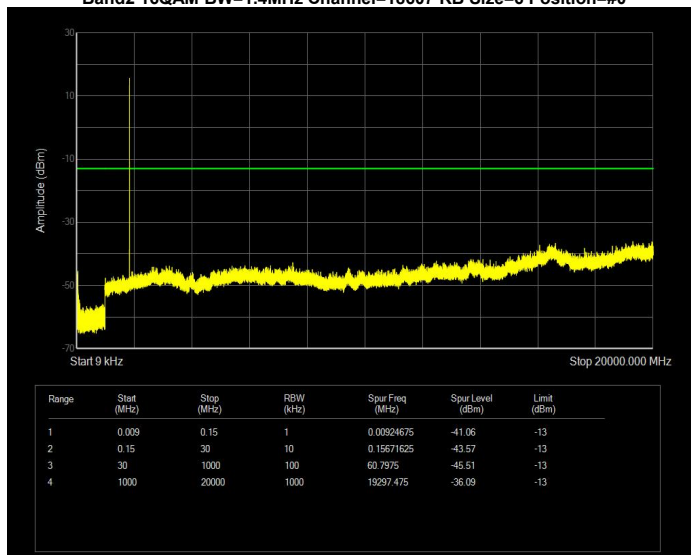
TEST RESULTS

Out-of-band emissions

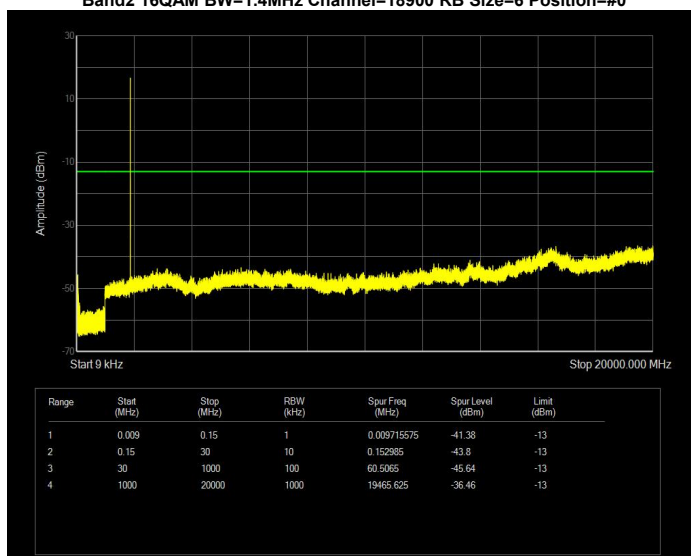
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	16435.13	-35.54	-13	PASS
Band2	1.4	18607	6	#0	16QAM	19297.48	-36.09	-13	PASS
Band2	1.4	18900	6	#0	QPSK	19501.73	-35.26	-13	PASS
Band2	1.4	18900	6	#0	16QAM	19465.63	-36.46	-13	PASS
Band2	1.4	19193	6	#0	QPSK	19509.80	-36.06	-13	PASS
Band2	1.4	19193	6	#0	16QAM	19267.55	-36.33	-13	PASS
Band2	3	18615	15	#0	QPSK	19074.23	-36.31	-13	PASS
Band2	3	18615	15	#0	16QAM	19985.28	-35.50	-13	PASS
Band2	3	18900	15	#0	QPSK	19448.05	-35.39	-13	PASS
Band2	3	18900	15	#0	16QAM	19100.35	-35.47	-13	PASS
Band2	3	19185	15	#0	QPSK	19915.93	-35.77	-13	PASS
Band2	3	19185	15	#0	16QAM	19339.28	-35.80	-13	PASS
Band2	5	18625	25	#0	QPSK	19958.20	-35.12	-13	PASS
Band2	5	18625	25	#0	16QAM	19973.40	-35.40	-13	PASS
Band2	5	18900	25	#0	QPSK	19991.93	-35.70	-13	PASS
Band2	5	18900	25	#0	16QAM	16458.88	-35.42	-13	PASS
Band2	5	19175	25	#0	QPSK	19651.35	-35.87	-13	PASS
Band2	5	19175	25	#0	16QAM	19319.80	-36.30	-13	PASS
Band2	10	18650	50	#0	QPSK	19332.63	-35.77	-13	PASS
Band2	10	18650	50	#0	16QAM	19474.18	-35.94	-13	PASS
Band2	10	18900	50	#0	QPSK	19373.00	-36.06	-13	PASS
Band2	10	18900	50	#0	16QAM	19913.55	-35.30	-13	PASS
Band2	10	19150	50	#0	QPSK	19067.10	-36.34	-13	PASS
Band2	10	19150	50	#0	16QAM	19421.93	-35.89	-13	PASS
Band2	15	18675	75	#0	QPSK	20000.00	-35.41	-13	PASS
Band2	15	18675	75	#0	16QAM	19244.75	-34.99	-13	PASS
Band2	15	18900	75	#0	QPSK	19953.45	-35.92	-13	PASS
Band2	15	18900	75	#0	16QAM	19292.25	-34.50	-13	PASS
Band2	15	19125	75	#0	QPSK	19954.88	-35.95	-13	PASS
Band2	15	19125	75	#0	16QAM	19634.73	-35.67	-13	PASS
Band2	20	18700	100	#0	QPSK	19406.25	-36.15	-13	PASS
Band2	20	18700	100	#0	16QAM	19360.18	-35.81	-13	PASS
Band2	20	18900	100	#0	QPSK	19154.98	-35.71	-13	PASS
Band2	20	18900	100	#0	16QAM	19990.03	-35.42	-13	PASS
Band2	20	19100	100	#0	QPSK	19106.53	-35.94	-13	PASS
Band2	20	19100	100	#0	16QAM	19936.83	-35.97	-13	PASS
Band4	1.4	19957	6	#0	QPSK	16645.10	-35.96	-13	PASS
Band4	1.4	19957	6	#0	16QAM	16480.20	-36.58	-13	PASS
Band4	1.4	20175	6	#0	QPSK	16507.83	-36.11	-13	PASS
Band4	1.4	20175	6	#0	16QAM	16464.48	-36.65	-13	PASS
Band4	1.4	20393	6	#0	QPSK	16395.63	-36.43	-13	PASS
Band4	1.4	20393	6	#0	16QAM	16502.30	-36.83	-13	PASS
Band4	3	19965	15	#0	QPSK	16648.08	-36.63	-13	PASS
Band4	3	19965	15	#0	16QAM	16366.73	-36.30	-13	PASS
Band4	3	20175	15	#0	QPSK	16566.05	-36.67	-13	PASS
Band4	3	20175	15	#0	16QAM	16550.75	-36.71	-13	PASS
Band4	3	20385	15	#0	QPSK	16404.13	-36.41	-13	PASS
Band4	3	20385	15	#0	16QAM	16403.70	-36.06	-13	PASS
Band4	5	19975	25	#0	QPSK	16367.58	-36.32	-13	PASS
Band4	5	19975	25	#0	16QAM	16440.25	-36.63	-13	PASS
Band4	5	20175	25	#0	QPSK	16577.53	-35.76	-13	PASS
Band4	5	20175	25	#0	16QAM	16662.53	-36.61	-13	PASS
Band4	5	20375	25	#0	QPSK	1809.63	-35.74	-13	PASS
Band4	5	20375	25	#0	16QAM	16367.15	-36.82	-13	PASS
Band4	10	20000	50	#0	QPSK	16381.60	-36.52	-13	PASS
Band4	10	20000	50	#0	16QAM	16572.85	-35.88	-13	PASS
Band4	10	20175	50	#0	QPSK	16508.25	-36.02	-13	PASS
Band4	10	20175	50	#0	16QAM	16455.98	-36.54	-13	PASS
Band4	10	20350	50	#0	QPSK	16425.80	-36.82	-13	PASS
Band4	10	20350	50	#0	16QAM	16534.60	-34.66	-13	PASS
Band4	15	20025	75	#0	QPSK	16517.60	-36.91	-13	PASS
Band4	15	20025	75	#0	16QAM	16428.78	-36.52	-13	PASS
Band4	15	20175	75	#0	QPSK	16455.98	-36.62	-13	PASS
Band4	15	20175	75	#0	16QAM	16405.40	-35.94	-13	PASS
Band4	15	20325	75	#0	QPSK	16494.23	-37.11	-13	PASS
Band4	15	20325	75	#0	16QAM	16404.98	-36.31	-13	PASS
Band4	20	20050	100	#0	QPSK	16461.08	-35.84	-13	PASS
Band4	20	20050	100	#0	16QAM	16489.55	-36.50	-13	PASS
Band4	20	20175	100	#0	QPSK	16515.05	-36.87	-13	PASS
Band4	20	20175	100	#0	16QAM	16419.85	-35.51	-13	PASS
Band4	20	20300	100	#0	QPSK	16506.55	-36.77	-13	PASS
Band4	20	20300	100	#0	16QAM	16411.35	-35.74	-13	PASS
Band25	1.4	26047	6	#0	QPSK	16439.88	-36.37	-13	PASS
Band25	1.4	26047	6	#0	16QAM	16413.75	-36.87	-13	PASS
Band25	1.4	26365	6	#0	QPSK	16439.40	-35.94	-13	PASS
Band25	1.4	26365	6	#0	16QAM	19677.00	-36.22	-13	PASS
Band25	1.4	26683	6	#0	QPSK	19169.70	-37.04	-13	PASS
Band25	1.4	26683	6	#0	16QAM	19047.15	-35.91	-13	PASS
Band25	3	26055	15	#0	QPSK	19468.95	-35.66	-13	PASS
Band25	3	26055	15	#0	16QAM	16449.85	-35.84	-13	PASS
Band25	3	26365	15	#0	QPSK	16503.53	-36.36	-13	PASS
Band25	3	26365	15	#0	16QAM	19285.13	-35.70	-13	PASS
Band25	3	26675	15	#0	QPSK	19992.88	-35.23	-13	PASS
Band25	3	26675	15	#0	16QAM	19223.85	-36.88	-13	PASS
Band25	5	26065	25	#0	QPSK	16448.90	-36.65	-13	PASS
Band25	5	26065	25	#0	16QAM	19945.85	-36.72	-13	PASS
Band25	5	26365	25	#0	QPSK	16495.93	-35.72	-13	PASS
Band25	5	26365	25	#0	16QAM	19256.15	-36.46	-13	PASS
Band25	5	26665	25	#0	QPSK	19323.60	-36.55	-13	PASS
Band25	5	26665	25	#0	16QAM	19138.35	-36.57	-13	PASS
Band25	10	26090	50	#0	QPSK	16479.78	-35.51	-13	PASS
Band25	10	26090	50	#0	16QAM	19962.00	-35.33	-13	PASS
Band25	10	26365	50	#0	QPSK	19646.13	-36.56	-13	PASS
Band25	10	26365	50	#0	16QAM	19983.85	-36.58	-13	PASS
Band25	10	26640	50	#0	QPSK	19925.90	-36.44	-13	PASS
Band25	10	26640	50	#0	16QAM	16529.65	-36.45	-13	PASS

Band25	15	26115	75	#0	QPSK	19980.53	-36.77	-13	PASS
Band25	15	26115	75	#0	16QAM	19114.13	-35.75	-13	PASS
Band25	15	26365	75	#0	QPSK	16400.45	-36.03	-13	PASS
Band25	15	26365	75	#0	16QAM	19270.40	-36.27	-13	PASS
Band25	15	26615	75	#0	QPSK	19113.65	-36.26	-13	PASS
Band25	15	26615	75	#0	16QAM	19026.25	-35.93	-13	PASS
Band25	20	26140	100	#0	QPSK	19969.13	-36.40	-13	PASS
Band25	20	26140	100	#0	16QAM	19470.85	-36.35	-13	PASS
Band25	20	26365	100	#0	QPSK	19395.80	-35.78	-13	PASS
Band25	20	26365	100	#0	16QAM	19953.45	-36.28	-13	PASS
Band25	20	26590	100	#0	QPSK	19271.35	-36.27	-13	PASS
Band25	20	26590	100	#0	16QAM	19981.48	-35.91	-13	PASS

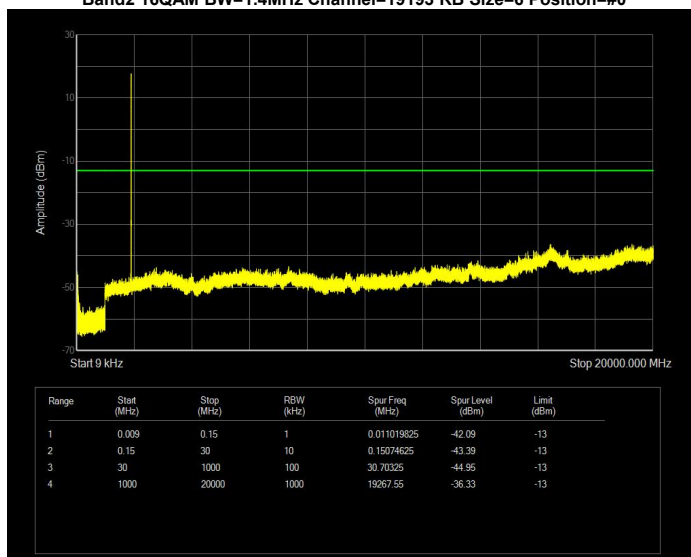
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



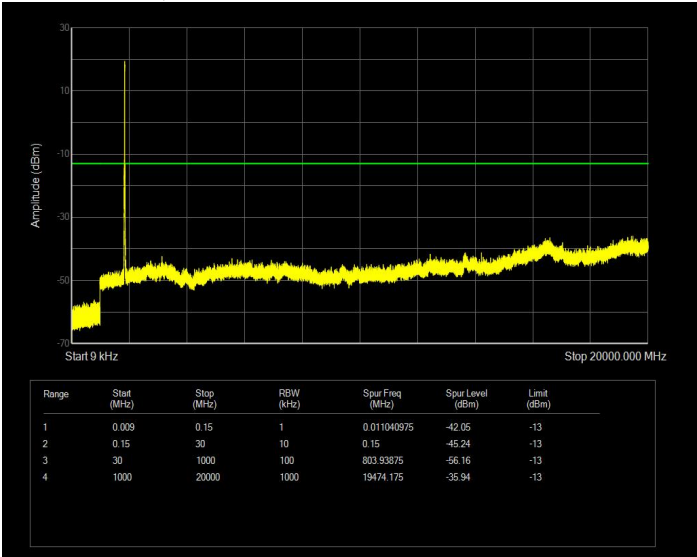
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0



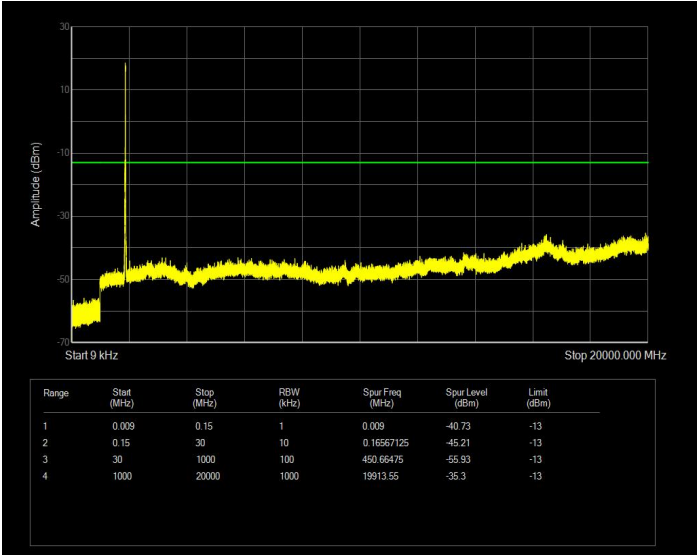
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



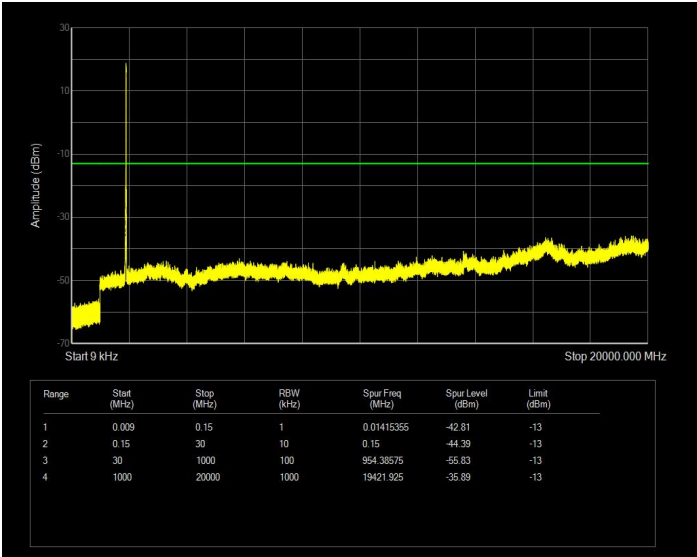
Band2 16QAM BW=10MHz Channel=18650 RB Size=50 Position=#0



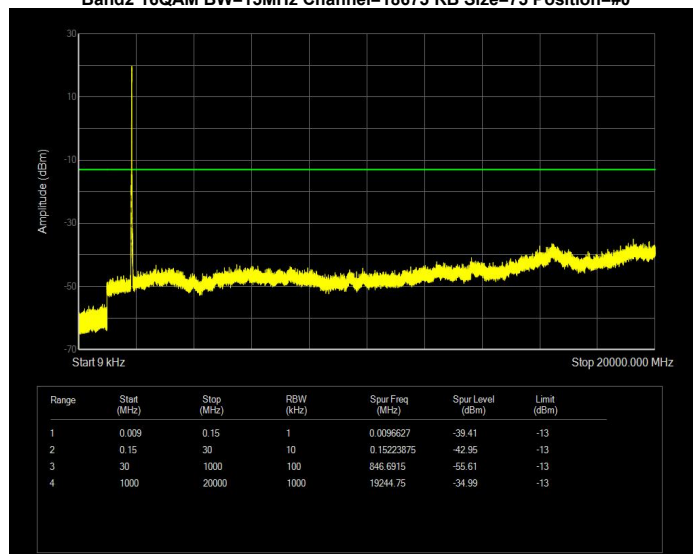
Band2 16QAM BW=10MHz Channel=18900 RB Size=50 Position=#0



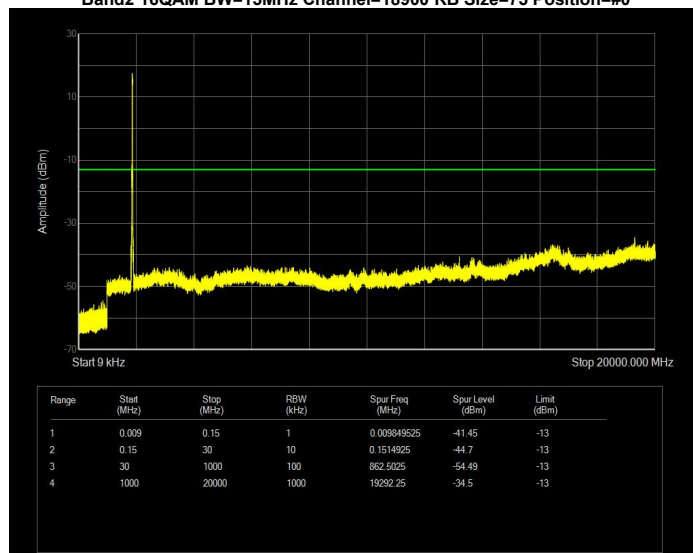
Band2 16QAM BW=10MHz Channel=19150 RB Size=50 Position=#0



Band2 16QAM BW=15MHz Channel=18675 RB Size=75 Position=#0



Band2 16QAM BW=15MHz Channel=18900 RB Size=75 Position=#0



Band2 16QAM BW=15MHz Channel=19125 RB Size=75 Position=#0

