Appendix for LTE B4 test report

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Results:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.36	26.36	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.47	26.47	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.53	26.53	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.48	26.48	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.52	26.52	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.49	26.49	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.64	25.64	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.22	26.22	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.37	26.37	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.32	26.32	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.34	26.34	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.32	26.32	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.31	26.31	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.36	25.36	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.15	26.15	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.22	26.22	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.20	26.20	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.13	26.13	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.15	26.15	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.13	26.13	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.27	25.27	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.76	25.76	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.79	25.79	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.79	25.79	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	23.66	25.66	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	23.67	25.67	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.70	25.70	30	PASS

Band4	1.4MHz	16QAM	19957	6RB#0	22.75	24.75	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.47	25.47	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.49	25.49	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.67	25.67	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	23.35	25.35	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.35	25.35	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.38	25.38	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.45	24.45	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.69	25.69	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.43	25.43	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.44	25.44	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.32	25.32	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.35	25.35	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.33	25.33	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.45	24.45	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.61	26.61	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.67	26.67	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.58	26.58	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.75	25.75	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.81	25.81	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.81	25.81	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	23.79	25.79	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.99	25.99	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.14	26.14	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.95	25.95	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.17	25.17	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.23	25.23	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.16	25.16	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.18	25.18	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.12	26.12	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.10	26.10	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.96	25.96	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.27	25.27	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.23	25.23	30	PASS

Band4	3MHz	QPSK	20385	8RB#7	23.20	25.20	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.21	25.21	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.79	25.79	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	24.26	26.26	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.91	25.91	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.95	24.95	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.95	24.95	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.93	24.93	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.86	24.86	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.61	25.61	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.77	25.77	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.61	25.61	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.39	24.39	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.44	24.44	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.40	24.40	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.37	24.37	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.59	25.59	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.44	25.44	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.32	25.32	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.37	24.37	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.36	24.36	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.40	24.40	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.27	24.27	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.71	26.71	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.70	26.70	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.48	26.48	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.72	25.72	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.79	25.79	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.73	25.73	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.72	25.72	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.07	26.07	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.17	26.17	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.07	26.07	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.10	25.10	30	PASS

Band4	5MHz	QPSK	20175	12RB#6	23.20	25.20	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.14	25.14	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.15	25.15	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.20	26.20	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.15	26.15	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.06	26.06	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.18	25.18	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.29	25.29	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.17	25.17	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.17	25.17	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.64	25.64	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	24.12	26.12	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.51	25.51	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	22.76	24.76	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.90	24.90	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.76	24.76	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.77	24.77	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.28	25.28	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.41	25.41	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.55	25.55	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.24	24.24	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.33	24.33	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.37	24.37	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.39	24.39	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.32	25.32	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.31	25.31	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.60	25.60	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.34	24.34	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.40	24.40	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.37	24.37	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.25	24.25	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.81	26.81	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.48	26.48	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.15	26.15	30	PASS

Band4	10MHz	QPSK	20000	25RB#0	23.58	25.58	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.60	25.60	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.33	25.33	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.47	25.47	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.19	26.19	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.18	26.18	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.27	26.27	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.00	25.00	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.18	25.18	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.98	24.98	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.08	25.08	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.20	26.20	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.23	26.23	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.01	26.01	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.01	25.01	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.25	25.25	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.10	25.10	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.10	25.10	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	24.03	26.03	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	24.02	26.02	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.33	25.33	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.77	24.77	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.75	24.75	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.48	24.48	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.54	25.54	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.67	25.67	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.47	25.47	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.14	24.14	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.35	24.35	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.19	24.19	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.62	25.62	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.26	25.26	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.32	25.32	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.16	24.16	30	PASS

Band4	10MHz	16QAM	20350	25RB#12	22.39	24.39	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.22	24.22	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.81	26.81	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.37	26.37	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.00	26.00	30	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.67	25.67	30	PASS
Band4	15MHz	QPSK	20025	38RB#18	23.49	25.49	30	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.12	25.12	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.27	25.27	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.95	25.95	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.01	26.01	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.09	26.09	30	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.07	25.07	30	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.22	25.22	30	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.05	25.05	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.23	25.23	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.20	26.20	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.03	26.03	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.98	25.98	30	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.05	25.05	30	PASS
Band4	15MHz	QPSK	20325	38RB#18	23.19	25.19	30	PASS
Band4	15MHz	QPSK	20325	38RB#37	23.20	25.20	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.17	25.17	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.91	25.91	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.64	25.64	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.35	25.35	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.32	25.32	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.36	25.36	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.25	25.25	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.34	25.34	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.61	25.61	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.29	25.29	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.73	26.73	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.06	26.06	30	PASS

Band4	20MHz	QPSK	20050	1RB#99	24.13	26.13	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.50	25.50	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.08	25.08	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.08	25.08	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.82	24.82	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.90	25.90	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.22	26.22	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.12	26.12	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.07	25.07	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.30	25.30	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.04	25.04	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.25	25.25	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.27	26.27	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.18	26.18	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.86	25.86	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.10	25.10	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.21	25.21	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.15	25.15	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.18	25.18	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.81	25.81	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.40	25.40	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.49	25.49	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.26	25.26	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.47	25.47	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.39	25.39	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.58	25.58	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.33	25.33	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.50	25.50	30	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP=Signal Generator Level

c, Antenna gain of LTE Band 4 is 2dBi.

Note2: SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

Appendix B: Peak-to-Average Ratio

Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	3.87	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.56	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.31	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	4.64	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.53	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.07	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	3.77	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.61	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.43	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	4.65	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.43	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.13	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	3.59	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.32	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.36	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.54	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.19	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.26	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	3.53	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.43	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.60	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	3.95	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.35	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.50	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	3.77	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.25	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.48	13	PASS

Appendix C: Modulation Characteristics

Test Result

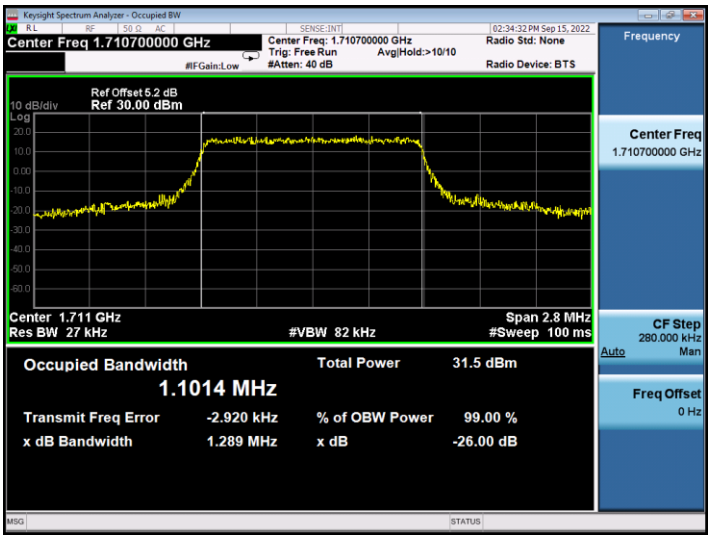
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	PASS	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	PASS	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	PASS	PASS
Band4	3MHz	QPSK	19965	15RB#0	PASS	PASS
Band4	3MHz	QPSK	20175	15RB#0	PASS	PASS
Band4	3MHz	QPSK	20385	15RB#0	PASS	PASS
Band4	3MHz	16QAM	19965	15RB#0	PASS	PASS
Band4	3MHz	16QAM	20175	15RB#0	PASS	PASS
Band4	3MHz	16QAM	20385	15RB#0	PASS	PASS
Band4	5MHz	QPSK	19975	25RB#0	PASS	PASS
Band4	5MHz	QPSK	20175	25RB#0	PASS	PASS
Band4	5MHz	QPSK	20375	25RB#0	PASS	PASS
Band4	5MHz	16QAM	19975	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20175	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20375	25RB#0	PASS	PASS
Band4	10MHz	QPSK	20000	50RB#0	PASS	PASS
Band4	10MHz	QPSK	20175	50RB#0	PASS	PASS
Band4	10MHz	QPSK	20350	50RB#0	PASS	PASS
Band4	15MHz	QPSK	20025	75RB#0	PASS	PASS
Band4	15MHz	QPSK	20175	75RB#0	PASS	PASS
Band4	15MHz	QPSK	20325	75RB#0	PASS	PASS
Band4	20MHz	QPSK	20050	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20300	100RB#0	PASS	PASS

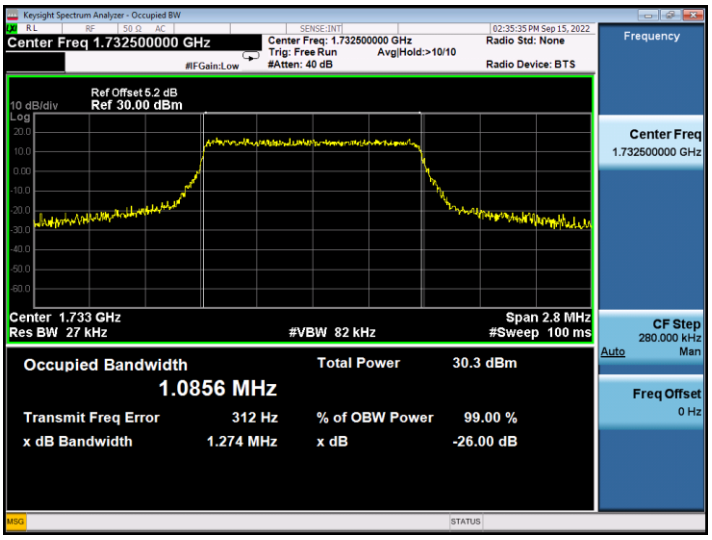
Appendix D: Bandwidth

Test Results

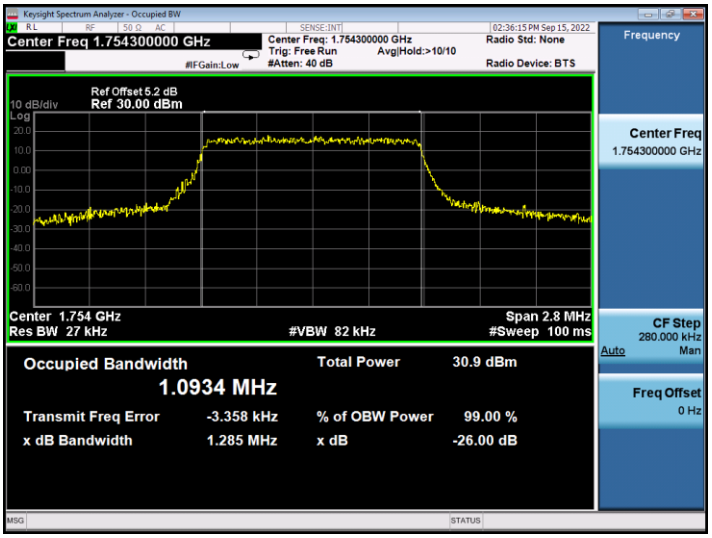
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.1014	1.289	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0856	1.274	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0934	1.285	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0960	1.306	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0849	1.289	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0901	1.299	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6928	2.958	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6971	2.938	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6925	2.938	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6970	2.949	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6909	2.926	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6910	2.945	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5279	4.952	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4993	4.925	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5017	4.926	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5035	4.936	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4987	4.936	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4966	4.904	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9695	9.473	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9712	9.527	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9732	9.506	PASS
Band4	10MHz	16QAM	20000	50RB#0	4.5577	4.987	PASS
Band4	10MHz	16QAM	20175	50RB#0	4.5520	4.990	PASS
Band4	10MHz	16QAM	20350	50RB#0	4.5519	4.978	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.479	14.25	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.500	14.26	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.483	14.24	PASS
Band4	15MHz	16QAM	20025	75RB#0	4.6517	5.206	PASS
Band4	15MHz	16QAM	20175	75RB#0	4.6510	5.210	PASS
Band4	15MHz	16QAM	20325	75RB#0	4.6487	5.211	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.893	18.92	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.957	18.95	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.940	18.93	PASS
Band4	20MHz	16QAM	20050	100RB#0	4.7386	5.419	PASS
Band4	20MHz	16QAM	20175	100RB#0	4.7452	5.427	PASS
Band4	20MHz	16QAM	20300	100RB#0	4.7373	5.421	PASS

Test Plots

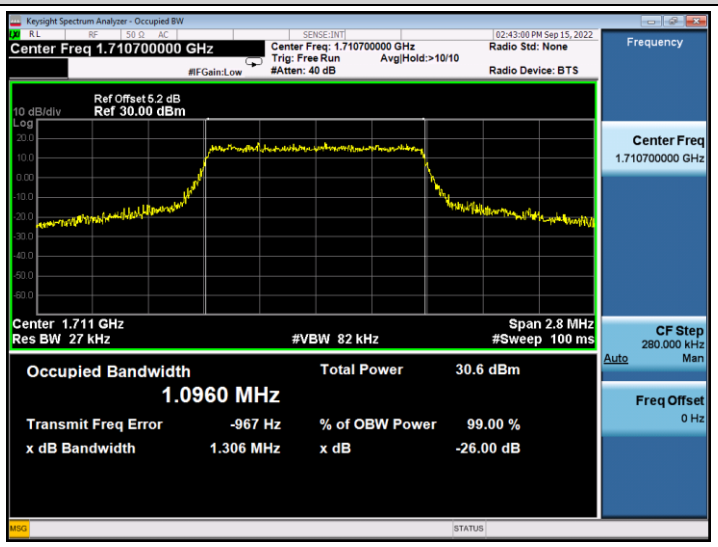
Band4-1.4MHz-QPSK-19957-6RB#0


Band4-1.4MHz-QPSK-20175-6RB#0


Band4-1.4MHz-QPSK-20393-6RB#0

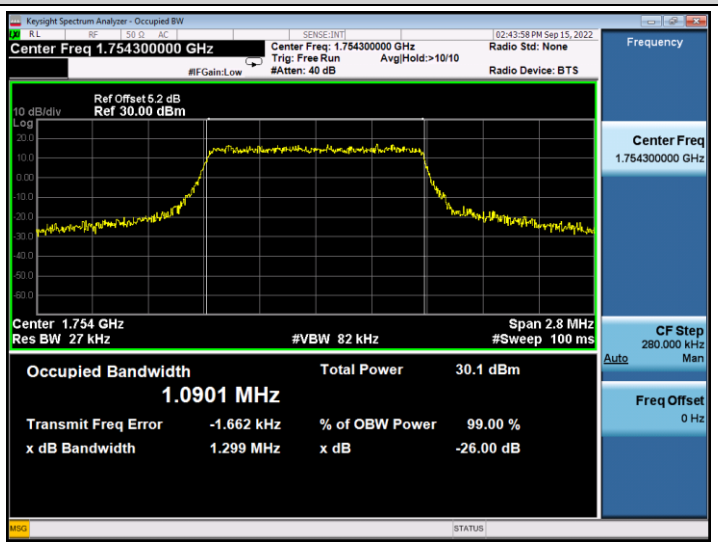


Band4-1.4MHz-16QAM-19957-6RB#0



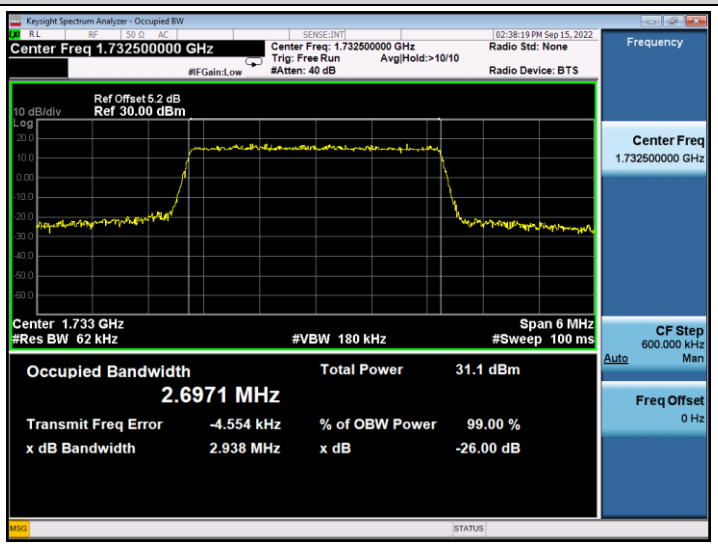
Band4-1.4MHz-16QAM-20175-6RB#0

Band4-1.4MHz-16QAM-20393-6RB#0

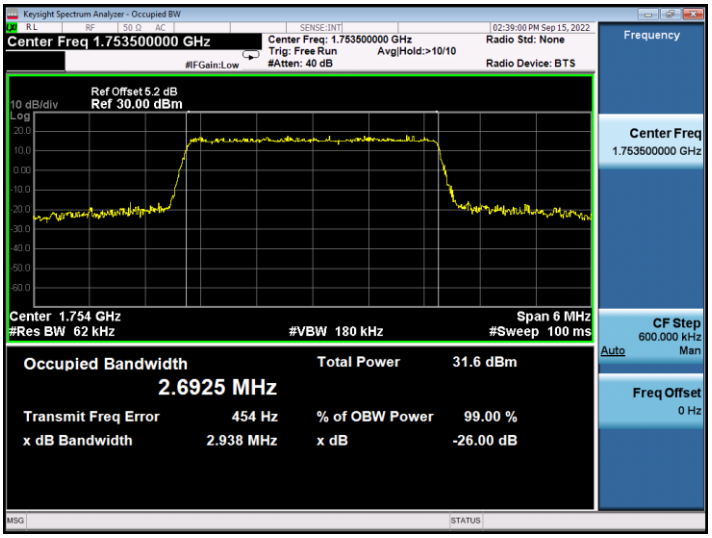


Band4-3MHz-QPSK-19965-15RB#0

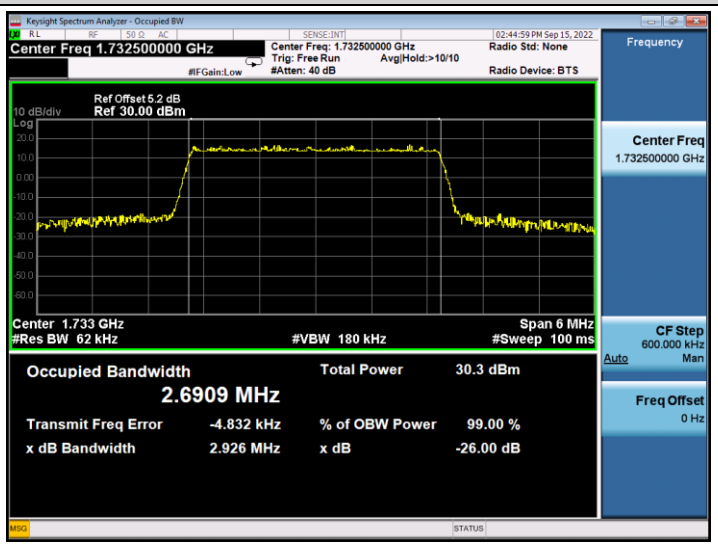
Band4-3MHz-QPSK-20175-15RB#0



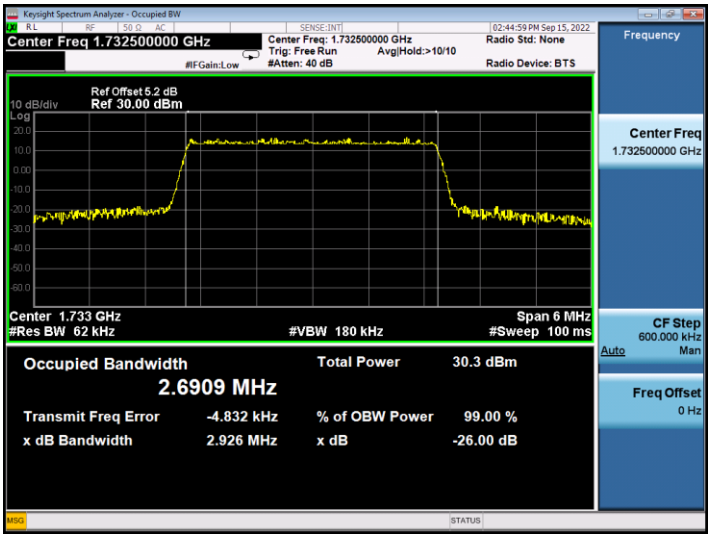
Band4-3MHz-QPSK-20385-15RB#0



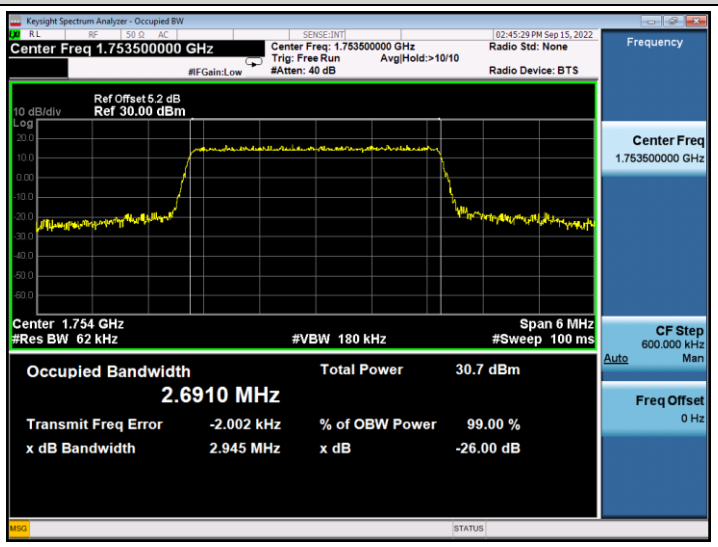
Band4-3MHz-16QAM-19965-15RB#0



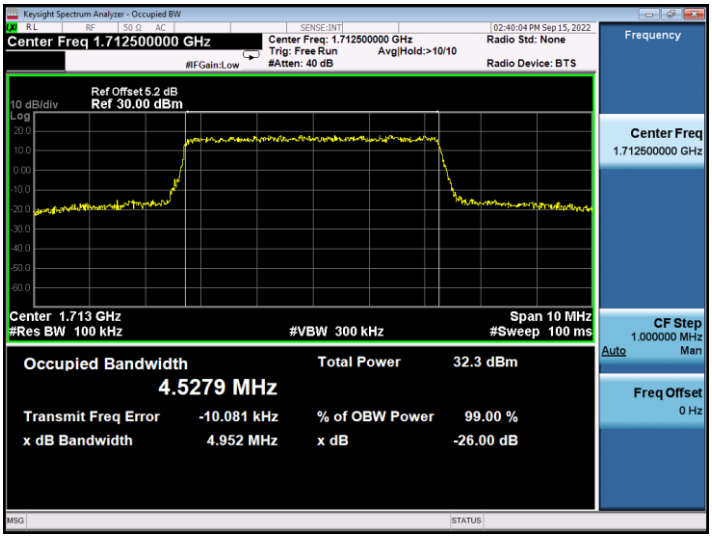
Band4-3MHz-16QAM-20175-15RB#0



Band4-3MHz-16QAM-20385-15RB#0

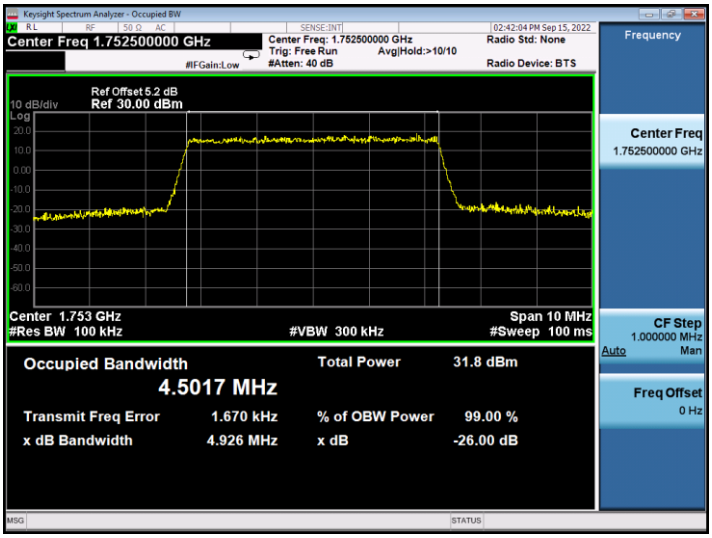


Band4-5MHz-QPSK-19975-25RB#0

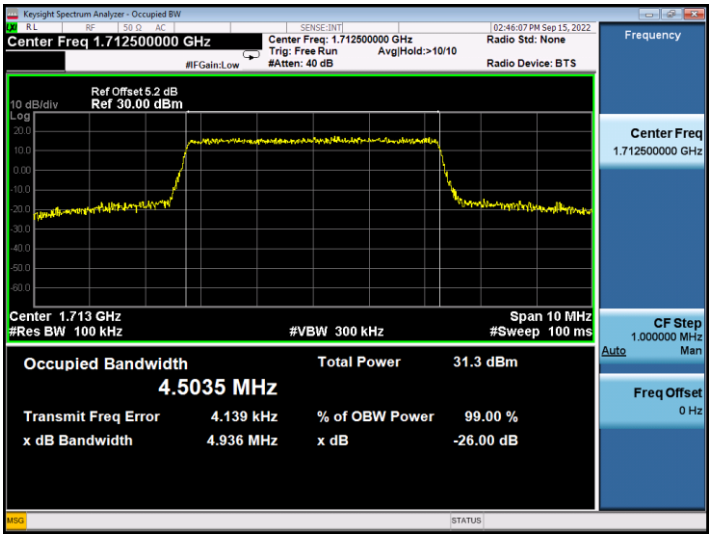


Band4-5MHz-QPSK-20175-25RB#0

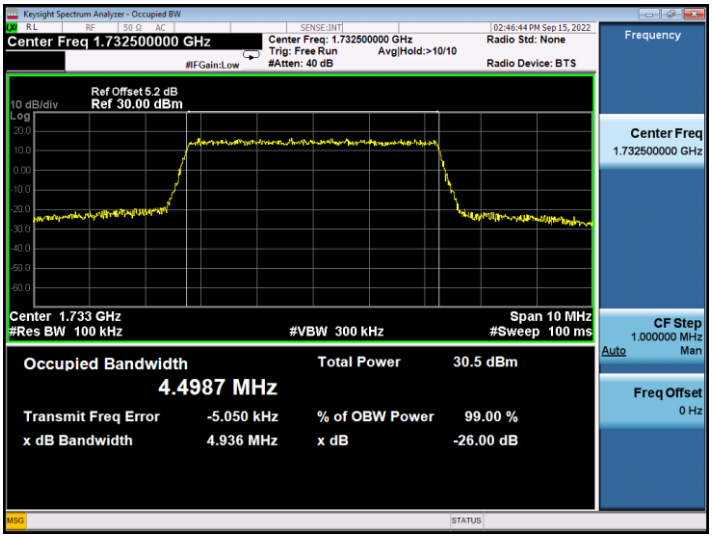
Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0

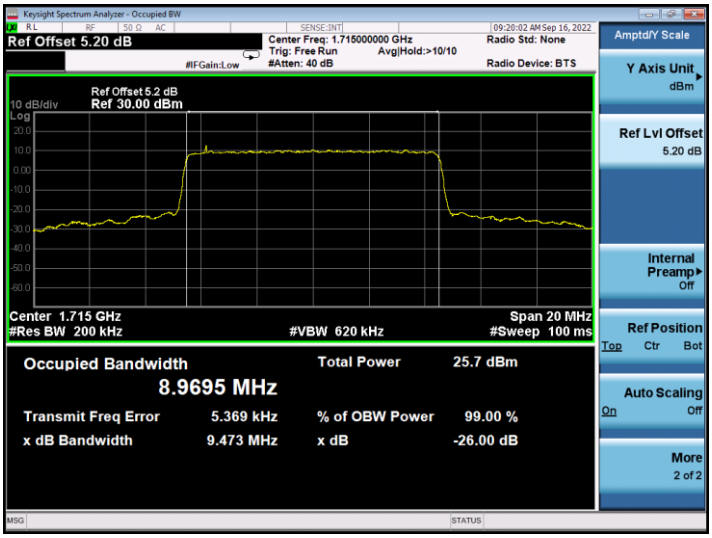


Band4-5MHz-16QAM-20175-25RB#0

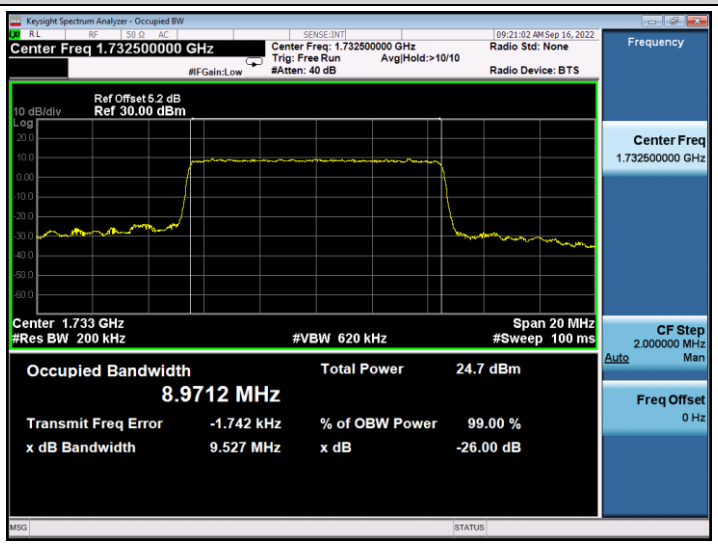


Band4-5MHz-16QAM-20375-25RB#0

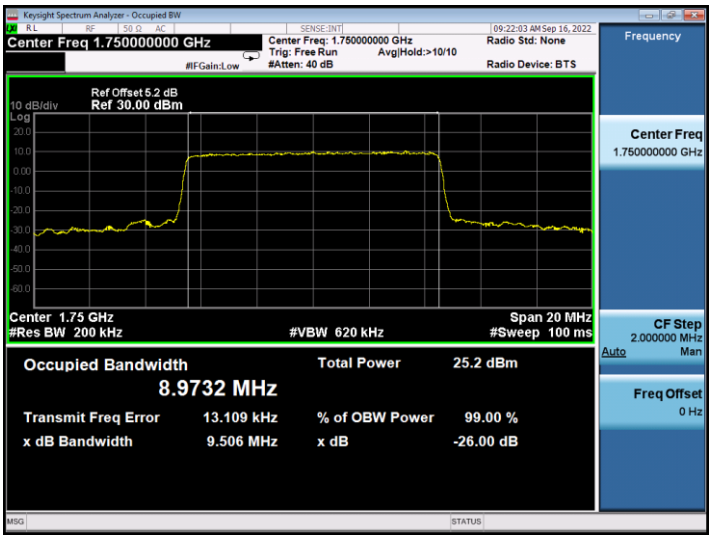
Band4-10MHz-QPSK-20000-50RB#0



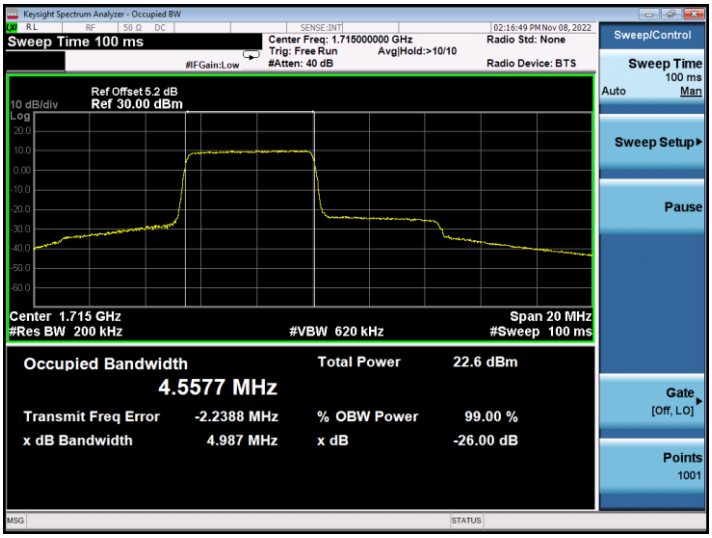
Band4-10MHz-QPSK-20175-50RB#0



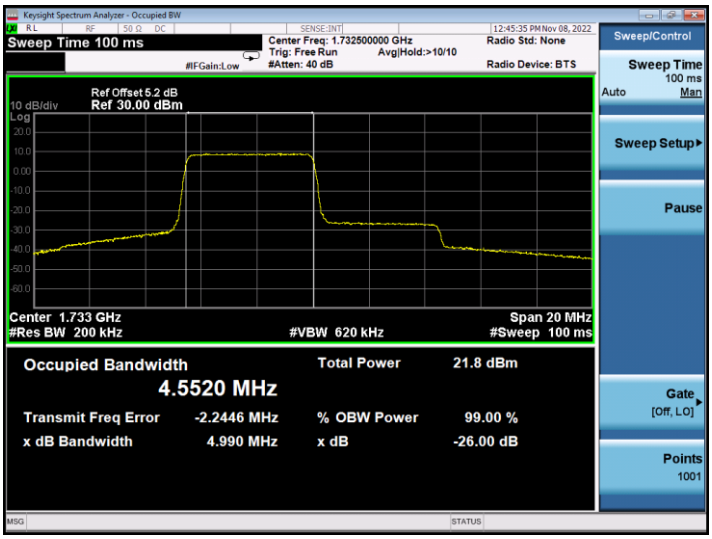
Band4-10MHz-QPSK-20350-50RB#0



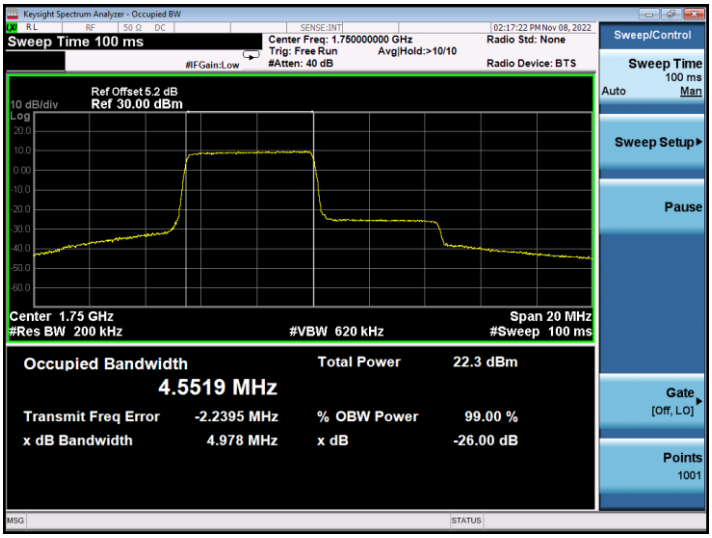
Band4-10MHz-16QAM-20000-50RB#0



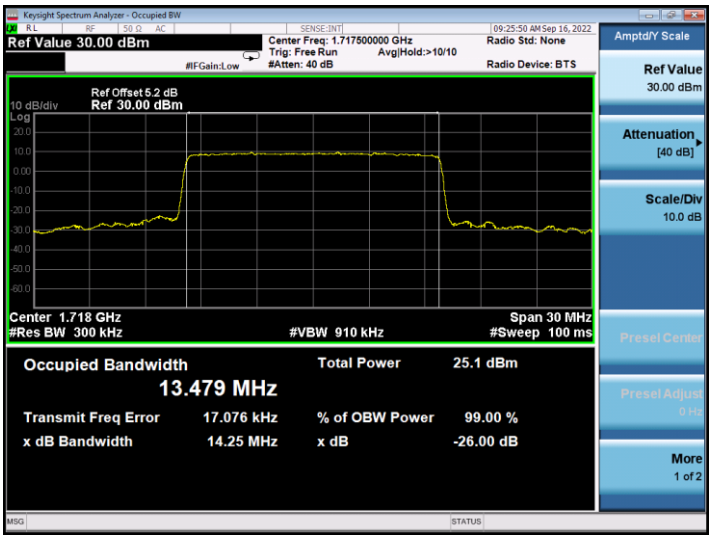
Band4-10MHz-16QAM-20175-50RB#0



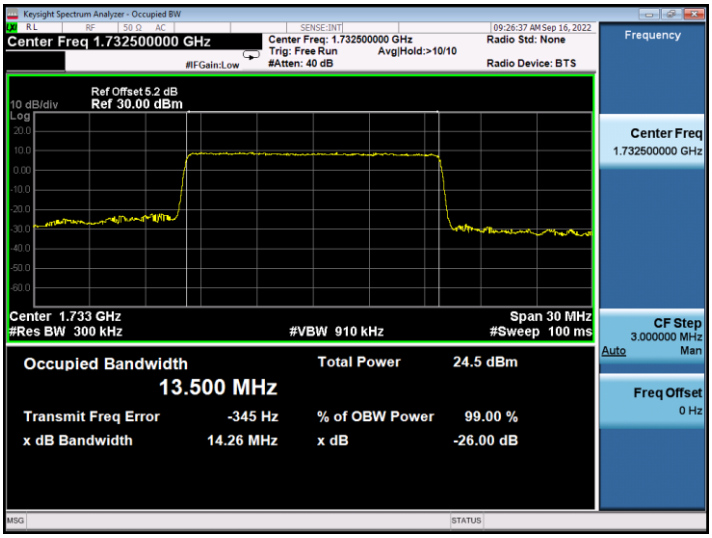
Band4-10MHz-16QAM-20350-50RB#0



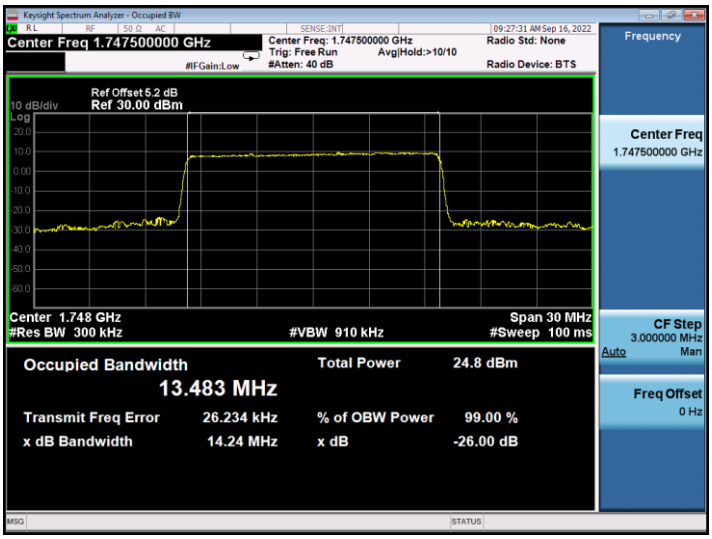
Band4-15MHz-QPSK-20025-75RB#0



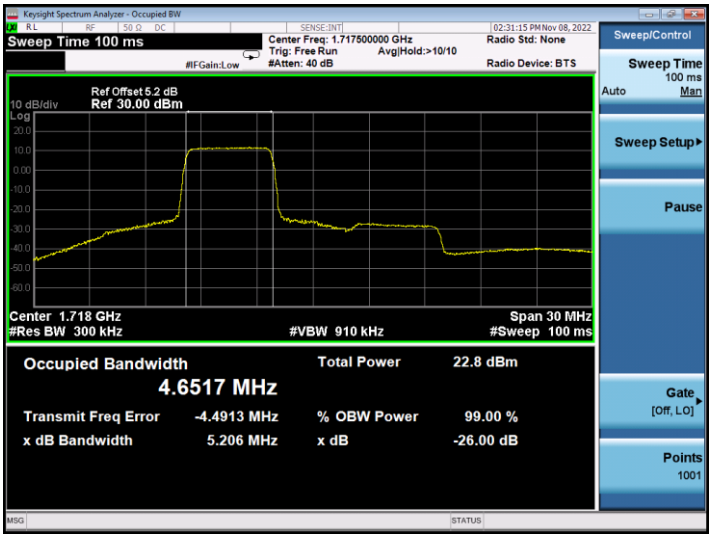
Band4-15MHz-QPSK-20175-75RB#0



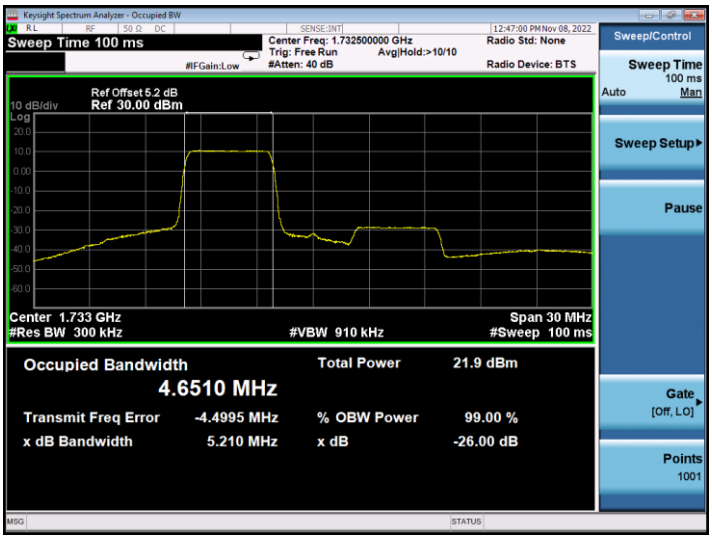
Band4-15MHz-QPSK-20325-75RB#0



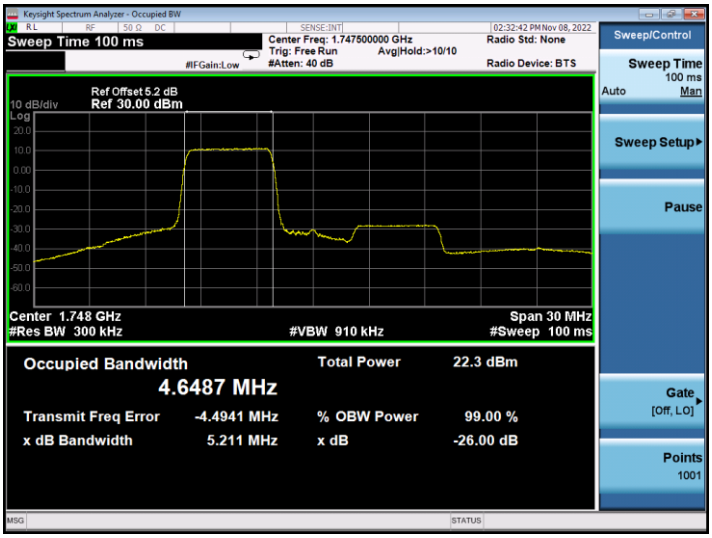
Band4-15MHz-16QAM-20025-75RB#0



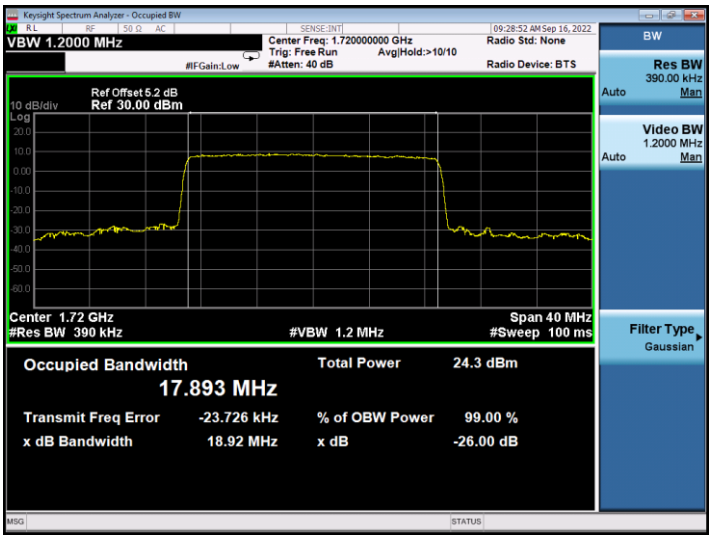
Band4-15MHz-16QAM-20175-75RB#0



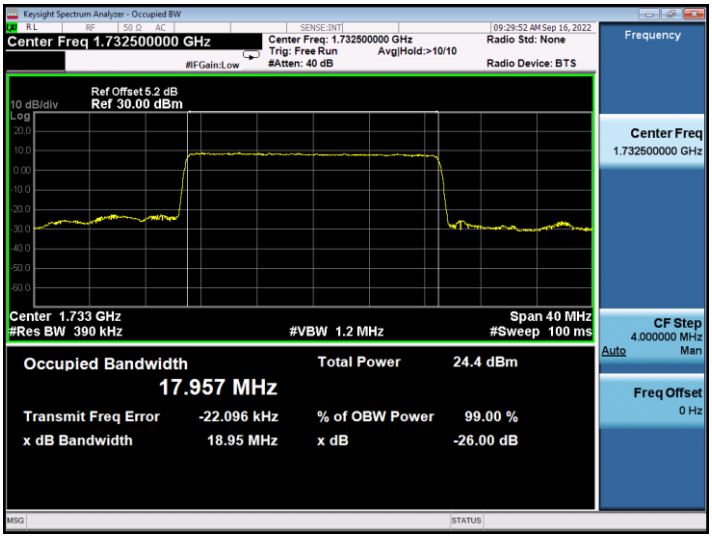
Band4-15MHz-16QAM-20325-75RB#0



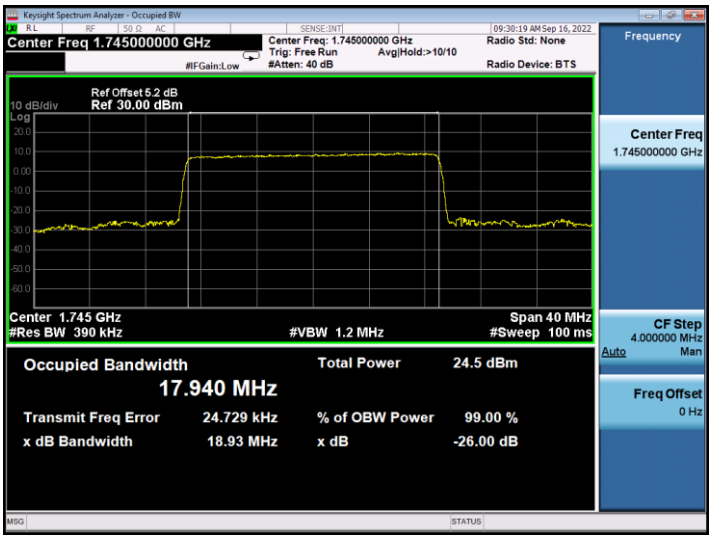
Band4-20MHz-QPSK-20050-100RB#0



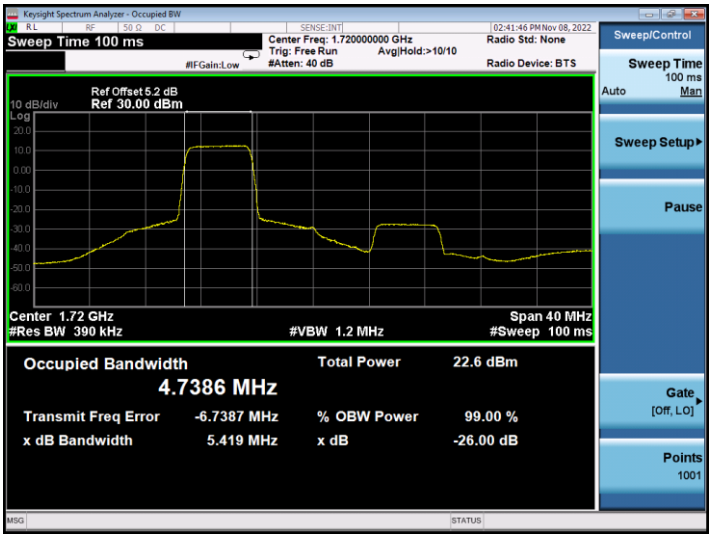
Band4-20MHz-QPSK-20175-100RB#0



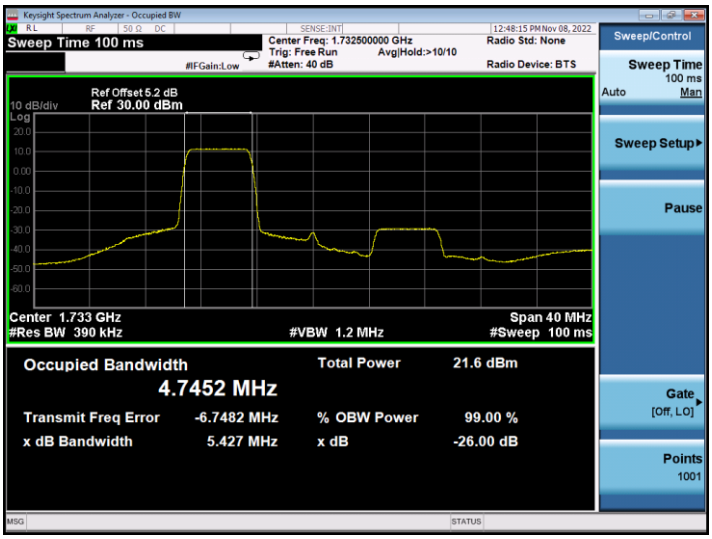
Band4-20MHz-QPSK-20300-100RB#0



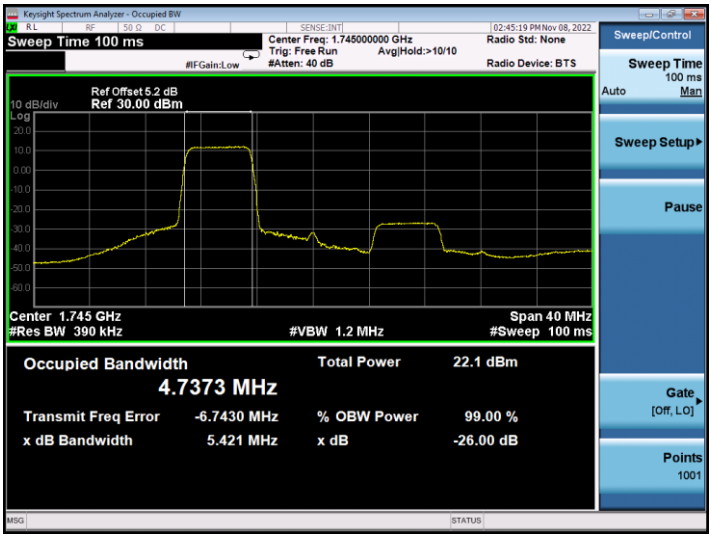
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



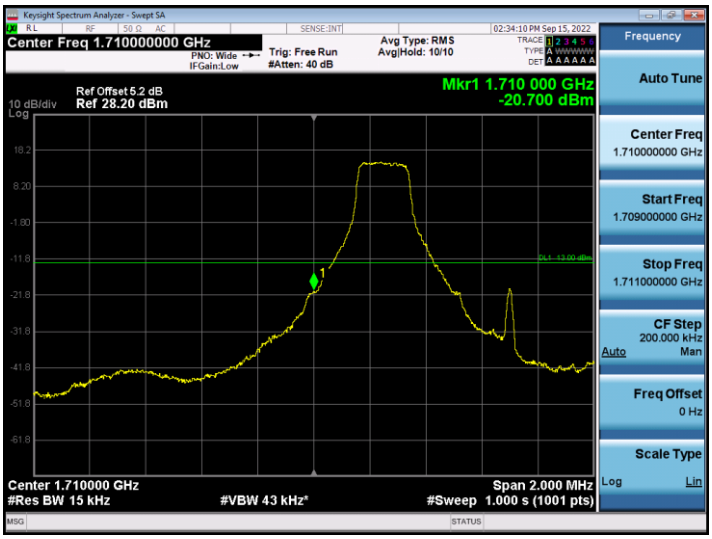
Appendix E: Band Edges Compliance

Test Results

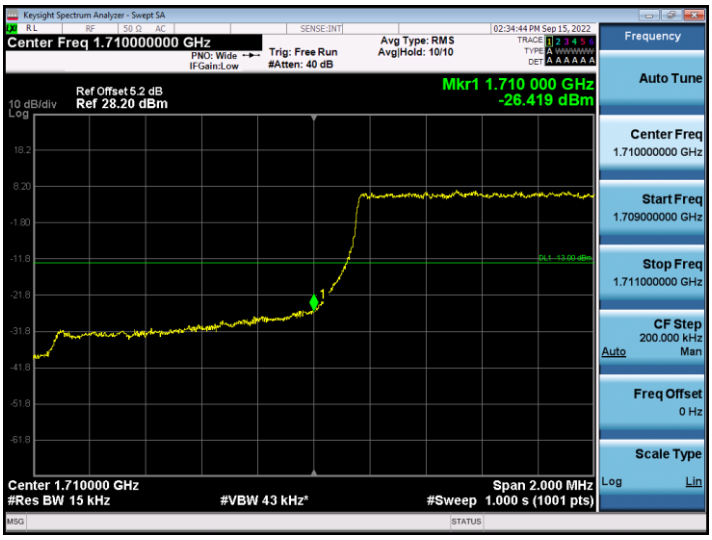
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-20.700	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-26.419	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-23.641	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.646	PASS
Band4	3MHz	QPSK	19965	1RB#0	-16.598	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.871	PASS
Band4	3MHz	QPSK	20385	1RB#14	-18.851	PASS
Band4	3MHz	QPSK	20385	15RB#0	-29.249	PASS
Band4	5MHz	QPSK	19975	1RB#0	-15.800	PASS
Band4	5MHz	QPSK	19975	25RB#0	-27.162	PASS
Band4	5MHz	QPSK	20375	1RB#24	-17.580	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.007	PASS
Band4	10MHz	QPSK	20000	1RB#0	-21.561	PASS
Band4	10MHz	QPSK	20000	50RB#0	-31.259	PASS
Band4	10MHz	QPSK	20350	1RB#49	-21.813	PASS
Band4	10MHz	QPSK	20350	50RB#0	-33.099	PASS
Band4	15MHz	QPSK	20025	1RB#0	-27.057	PASS
Band4	15MHz	QPSK	20025	75RB#0	-32.478	PASS
Band4	15MHz	QPSK	20325	1RB#74	-27.081	PASS
Band4	15MHz	QPSK	20325	75RB#0	-33.613	PASS
Band4	20MHz	QPSK	20050	1RB#0	-35.531	PASS
Band4	20MHz	QPSK	20050	100RB#0	-34.568	PASS
Band4	20MHz	QPSK	20300	1RB#99	-36.370	PASS
Band4	20MHz	QPSK	20300	100RB#0	-32.514	PASS

Test Plots

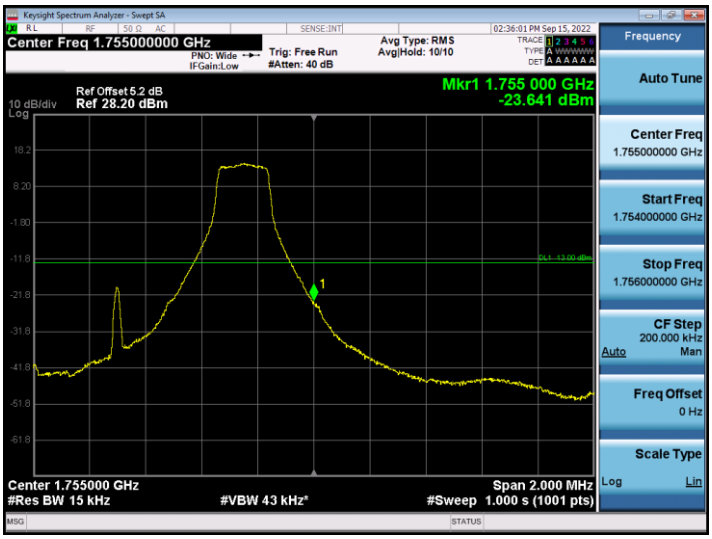
Band4-1.4MHz-QPSK-19957-1RB#0



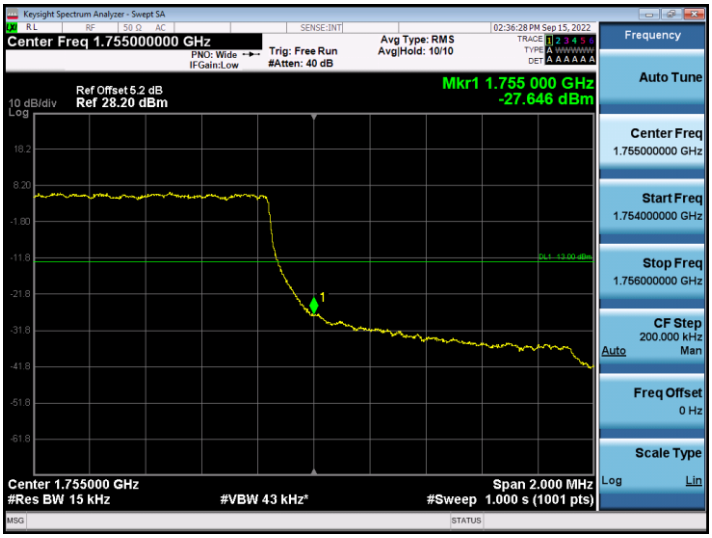
Band4-1.4MHz-QPSK-19957-6RB#0



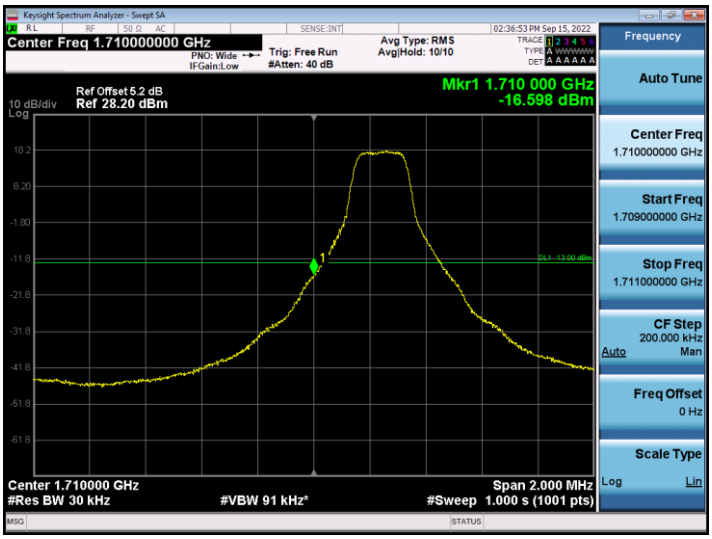
Band4-1.4MHz-QPSK-20393-1RB#5



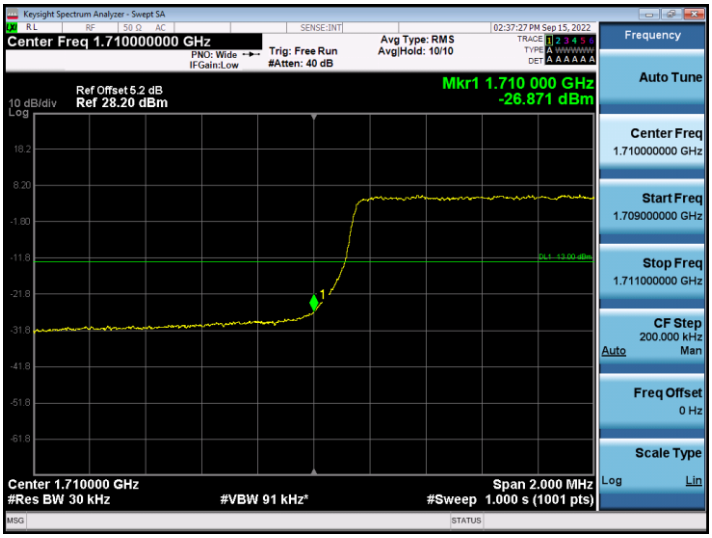
Band4-1.4MHz-QPSK-20393-6RB#0



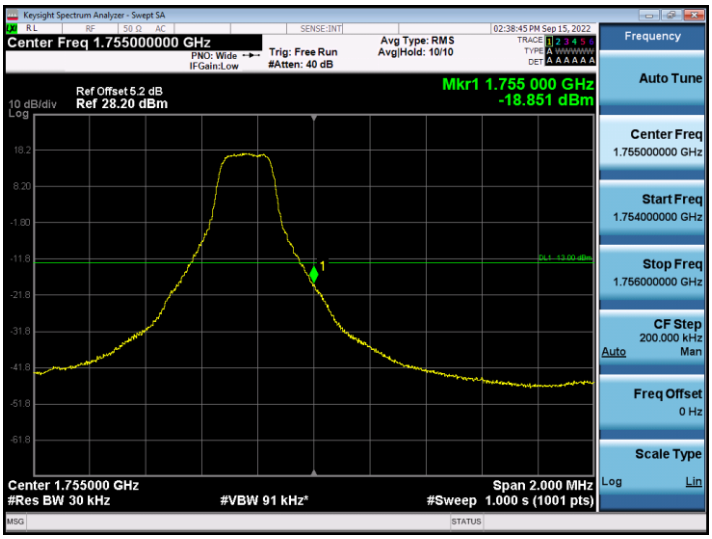
Band4-3MHz-QPSK-19965-1RB#0



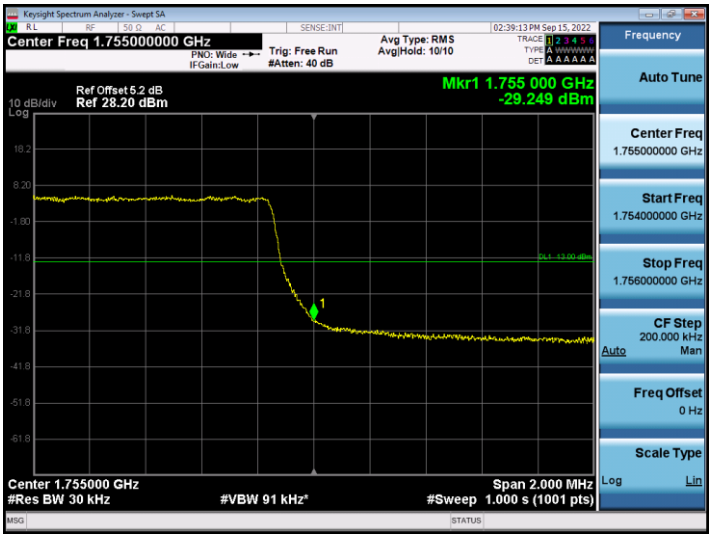
Band4-3MHz-QPSK-19965-15RB#0



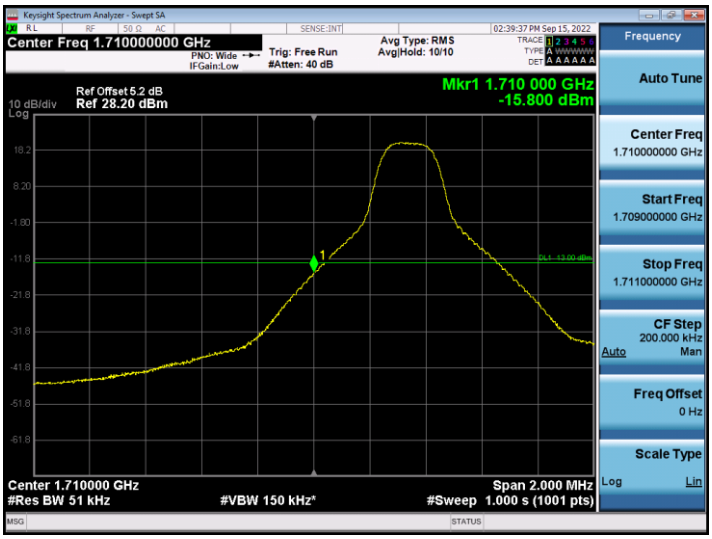
Band4-3MHz-QPSK-20385-1RB#14



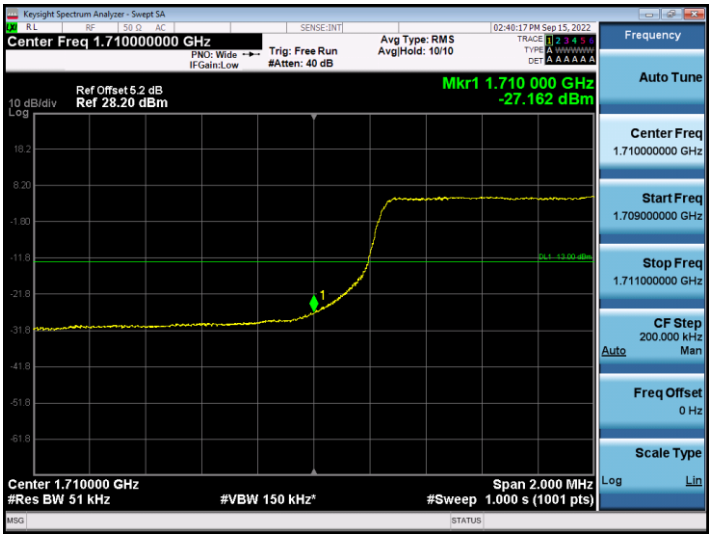
Band4-3MHz-QPSK-20385-15RB#0



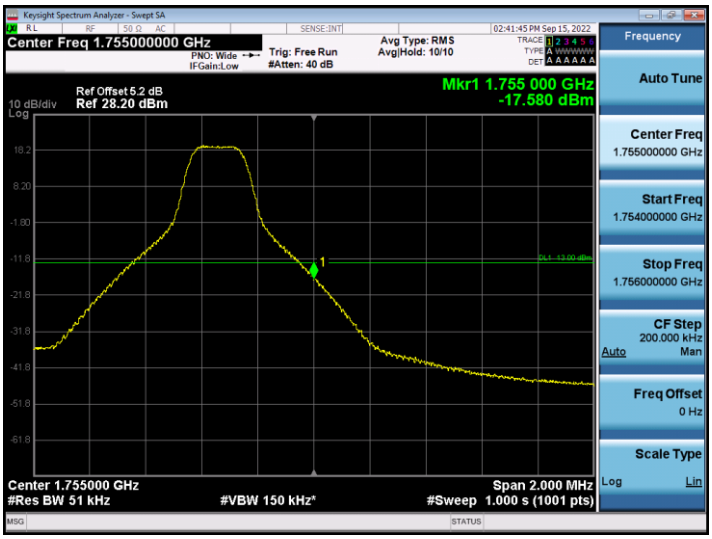
Band4-5MHz-QPSK-19975-1RB#0



Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20375-1RB#24



Band4-5MHz-QPSK-20375-25RB#0

Band4-10MHz-QPSK-20000-1RB#0