

LTE Band4 Test Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.65	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.92	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.48	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.74	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.68	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.39	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	20.52	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.72	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	21.68	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.62	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.69	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.69	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.55	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	20.64	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.46	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.62	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.79	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.49	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.35	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.33	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.46	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.54	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.60	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.37	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.57	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.27	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.62	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	20.50	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.60	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.31	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.49	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.38	PASS

Band4	1.4MHz	16QAM	20175	3RB#3	20.43	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.57	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.70	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.28	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.47	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.31	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.08	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.55	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.42	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.52	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.05	PASS
Band4	3MHz	QPSK	19965	8RB#0	20.14	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.07	PASS
Band4	3MHz	QPSK	19965	8RB#7	20.14	PASS
Band4	3MHz	QPSK	19965	15RB#0	20.05	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.16	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.14	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.09	PASS
Band4	3MHz	QPSK	20175	8RB#0	20.15	PASS
Band4	3MHz	QPSK	20175	8RB#4	20.36	PASS
Band4	3MHz	QPSK	20175	8RB#7	20.30	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.27	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.13	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.04	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.98	PASS
Band4	3MHz	QPSK	20385	8RB#0	19.95	PASS
Band4	3MHz	QPSK	20385	8RB#4	19.99	PASS
Band4	3MHz	QPSK	20385	8RB#7	19.98	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.08	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.41	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.24	PASS
Band4	3MHz	16QAM	19965	1RB#14	19.94	PASS
Band4	3MHz	16QAM	19965	8RB#0	19.06	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.07	PASS
Band4	3MHz	16QAM	19965	8RB#7	19.06	PASS
Band4	3MHz	16QAM	19965	15RB#0	18.95	PASS

Band4	3MHz	16QAM	20175	1RB#0	20.15	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.18	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.05	PASS
Band4	3MHz	16QAM	20175	8RB#0	19.27	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.28	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.27	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.16	PASS
Band4	3MHz	16QAM	20385	1RB#0	19.99	PASS
Band4	3MHz	16QAM	20385	1RB#8	19.85	PASS
Band4	3MHz	16QAM	20385	1RB#14	19.81	PASS
Band4	3MHz	16QAM	20385	8RB#0	18.94	PASS
Band4	3MHz	16QAM	20385	8RB#4	18.96	PASS
Band4	3MHz	16QAM	20385	8RB#7	18.98	PASS
Band4	3MHz	16QAM	20385	15RB#0	18.92	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.46	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.54	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.35	PASS
Band4	5MHz	QPSK	19975	12RB#0	20.38	PASS
Band4	5MHz	QPSK	19975	12RB#6	20.35	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.33	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.36	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.55	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.33	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.31	PASS
Band4	5MHz	QPSK	20175	12RB#0	20.62	PASS
Band4	5MHz	QPSK	20175	12RB#6	20.76	PASS
Band4	5MHz	QPSK	20175	12RB#13	20.45	PASS
Band4	5MHz	QPSK	20175	25RB#0	20.55	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.34	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.32	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.41	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.27	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.26	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.29	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.19	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.45	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.41	PASS

Band4	5MHz	16QAM	19975	1RB#24	20.43	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.41	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.30	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.36	PASS
Band4	5MHz	16QAM	19975	25RB#0	19.36	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.55	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.23	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.37	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.67	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.51	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.47	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.59	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.38	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.42	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.34	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.31	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.32	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.35	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.28	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.70	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.49	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.64	PASS
Band4	10MHz	QPSK	20000	25RB#0	20.39	PASS
Band4	10MHz	QPSK	20000	25RB#12	20.49	PASS
Band4	10MHz	QPSK	20000	25RB#25	20.54	PASS
Band4	10MHz	QPSK	20000	50RB#0	20.50	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.84	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.25	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.53	PASS
Band4	10MHz	QPSK	20175	25RB#0	20.65	PASS
Band4	10MHz	QPSK	20175	25RB#12	20.71	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.53	PASS
Band4	10MHz	QPSK	20175	50RB#0	20.68	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.51	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.11	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.21	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.26	PASS

Band4	10MHz	QPSK	20350	25RB#12	20.27	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.30	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.29	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.74	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.47	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.75	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.42	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.35	PASS
Band4	10MHz	16QAM	20000	25RB#25	19.46	PASS
Band4	10MHz	16QAM	20000	50RB#0	19.47	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.88	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.42	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.55	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.72	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.66	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.49	PASS
Band4	10MHz	16QAM	20175	50RB#0	19.64	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.38	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.01	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.29	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.31	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.22	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.34	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.30	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.12	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.15	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.47	PASS
Band4	15MHz	QPSK	20025	38RB#0	20.41	PASS
Band4	15MHz	QPSK	20025	38RB#18	19.99	PASS
Band4	15MHz	QPSK	20025	38RB#37	20.35	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.06	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.81	PASS
Band4	15MHz	QPSK	20175	1RB#38	20.83	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.01	PASS
Band4	15MHz	QPSK	20175	38RB#0	20.79	PASS
Band4	15MHz	QPSK	20175	38RB#18	19.86	PASS
Band4	15MHz	QPSK	20175	38RB#37	20.05	PASS

Band4	15MHz	QPSK	20175	75RB#0	19.91	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.44	PASS
Band4	15MHz	QPSK	20325	1RB#38	20.65	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.98	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.19	PASS
Band4	15MHz	QPSK	20325	38RB#18	19.59	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.03	PASS
Band4	15MHz	QPSK	20325	75RB#0	19.81	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.83	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.22	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.47	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.40	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.02	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.39	PASS
Band4	15MHz	16QAM	20025	75RB#0	19.03	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.71	PASS
Band4	15MHz	16QAM	20175	1RB#38	19.92	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.15	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.85	PASS
Band4	15MHz	16QAM	20175	38RB#18	19.86	PASS
Band4	15MHz	16QAM	20175	38RB#37	19.96	PASS
Band4	15MHz	16QAM	20175	75RB#0	19.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.30	PASS
Band4	15MHz	16QAM	20325	1RB#38	19.61	PASS
Band4	15MHz	16QAM	20325	1RB#74	19.95	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.21	PASS
Band4	15MHz	16QAM	20325	38RB#18	19.74	PASS
Band4	15MHz	16QAM	20325	38RB#37	19.92	PASS
Band4	15MHz	16QAM	20325	75RB#0	18.65	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.21	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.27	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.22	PASS
Band4	20MHz	QPSK	20050	50RB#0	20.12	PASS
Band4	20MHz	QPSK	20050	50RB#25	20.01	PASS
Band4	20MHz	QPSK	20050	50RB#50	20.07	PASS
Band4	20MHz	QPSK	20050	100RB#0	19.97	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.17	PASS

Band4	20MHz	QPSK	20175	1RB#49	20.88	PASS
Band4	20MHz	QPSK	20175	1RB#99	20.90	PASS
Band4	20MHz	QPSK	20175	50RB#0	20.19	PASS
Band4	20MHz	QPSK	20175	50RB#25	20.19	PASS
Band4	20MHz	QPSK	20175	50RB#50	19.95	PASS
Band4	20MHz	QPSK	20175	100RB#0	20.07	PASS
Band4	20MHz	QPSK	20300	1RB#0	20.82	PASS
Band4	20MHz	QPSK	20300	1RB#49	20.64	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.18	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.11	PASS
Band4	20MHz	QPSK	20300	50RB#25	19.70	PASS
Band4	20MHz	QPSK	20300	50RB#50	19.70	PASS
Band4	20MHz	QPSK	20300	100RB#0	19.74	PASS
Band4	20MHz	16QAM	20050	1RB#0	19.87	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.16	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.08	PASS
Band4	20MHz	16QAM	20050	50RB#25	18.98	PASS
Band4	20MHz	16QAM	20050	50RB#50	19.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.17	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.10	PASS
Band4	20MHz	16QAM	20175	1RB#49	19.74	PASS
Band4	20MHz	16QAM	20175	1RB#99	19.63	PASS
Band4	20MHz	16QAM	20175	50RB#0	19.17	PASS
Band4	20MHz	16QAM	20175	50RB#25	19.12	PASS
Band4	20MHz	16QAM	20175	50RB#50	18.85	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.03	PASS
Band4	20MHz	16QAM	20300	1RB#0	19.82	PASS
Band4	20MHz	16QAM	20300	1RB#49	19.84	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.15	PASS
Band4	20MHz	16QAM	20300	50RB#0	18.66	PASS
Band4	20MHz	16QAM	20300	50RB#25	18.64	PASS
Band4	20MHz	16QAM	20300	50RB#50	18.75	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.75	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

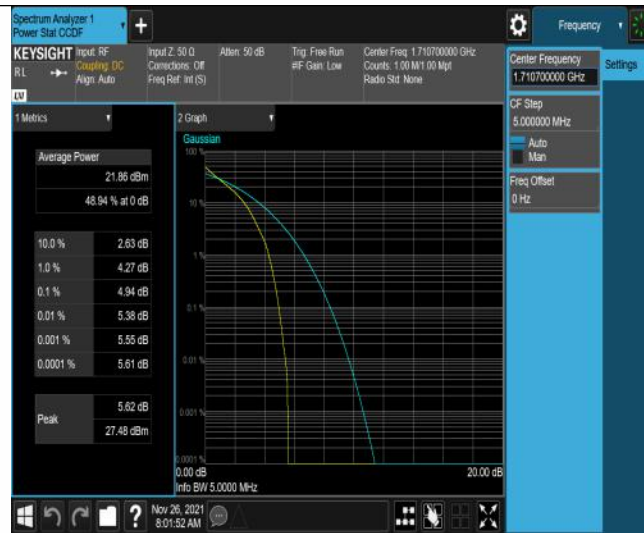
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.94	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.58	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.10	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.78	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.44	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.93	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.95	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.53	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.05	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.80	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.40	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.92	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.08	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.79	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.15	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.87	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.57	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.95	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.61	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.61	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.57	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.09	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.95	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.07	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.78	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.74	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.78	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.82	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.66	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.86	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	6.50	13	PASS

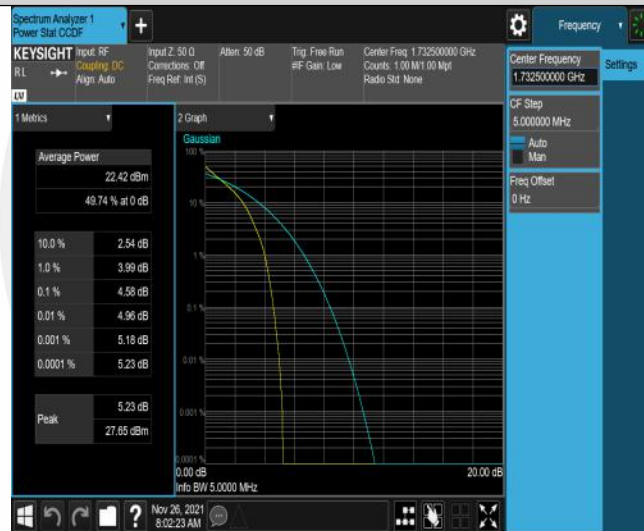
Band4	20MHz	QPSK	20175	100RB#0	6.41	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.51	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.19	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	7.11	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.11	13	PASS



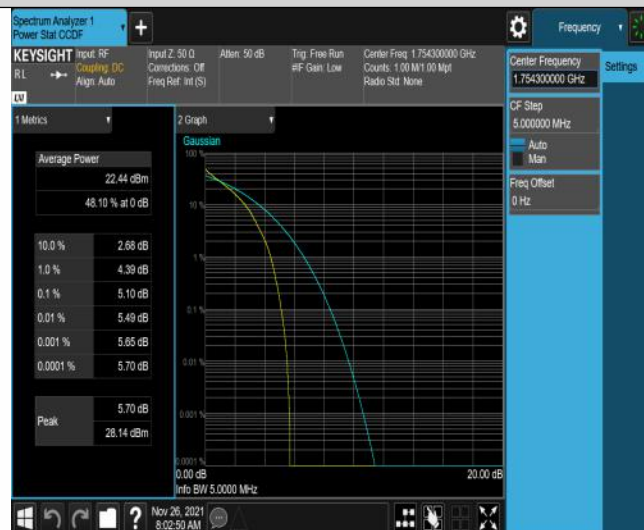
Test Graphs



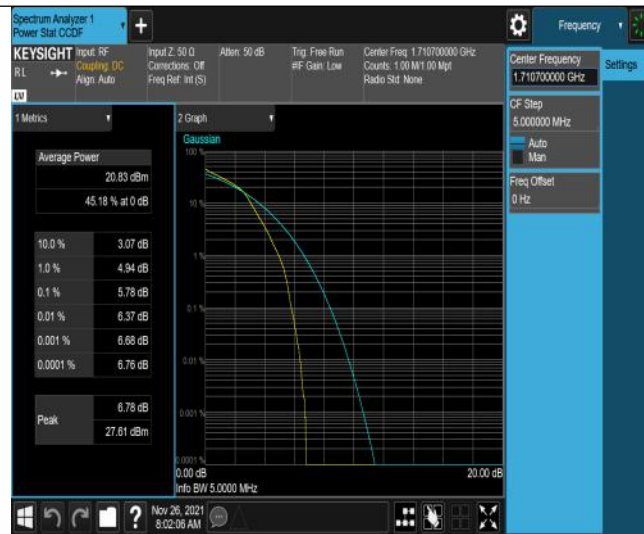
Band4-1.4MHz-QPSK-19957-6RB#0



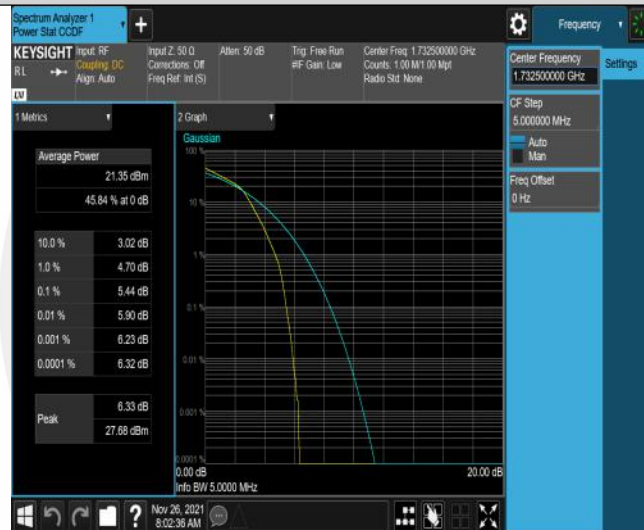
Band4-1.4MHz-QPSK-20175-6RB#0



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



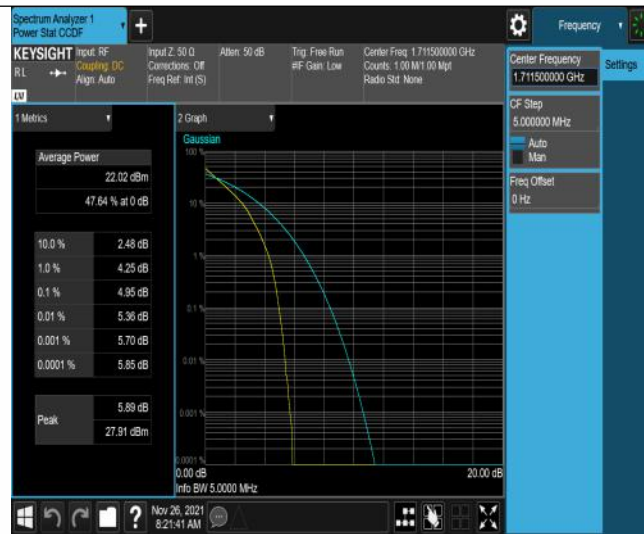
Band4-1.4MHz-16QAM-19957-6RB#0



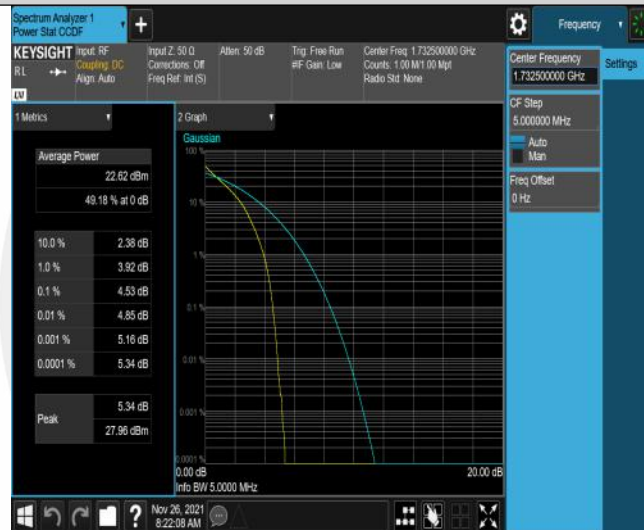
Band4-1.4MHz-16QAM-20175-6RB#0



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



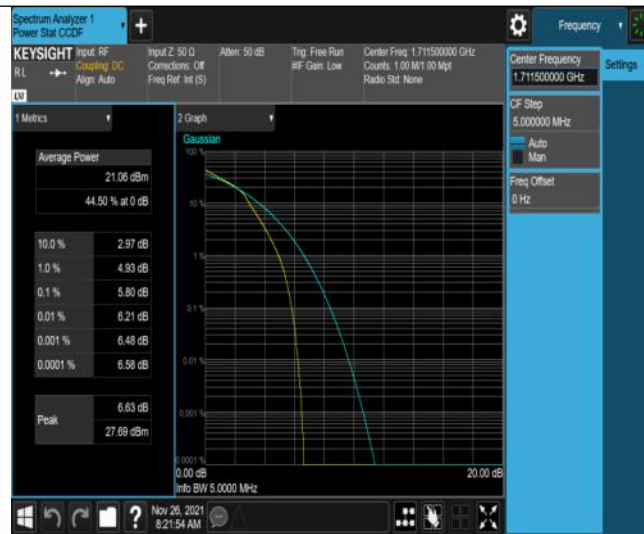
Band4-3MHz-QPSK-19965-15RB#0



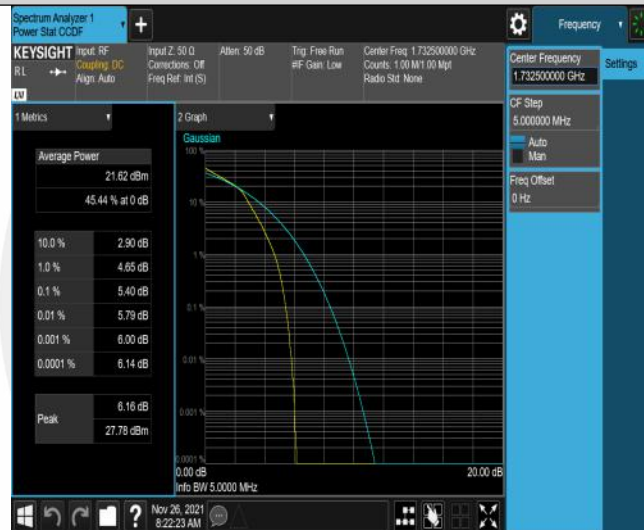
Band4-3MHz-QPSK-20175-15RB#0



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



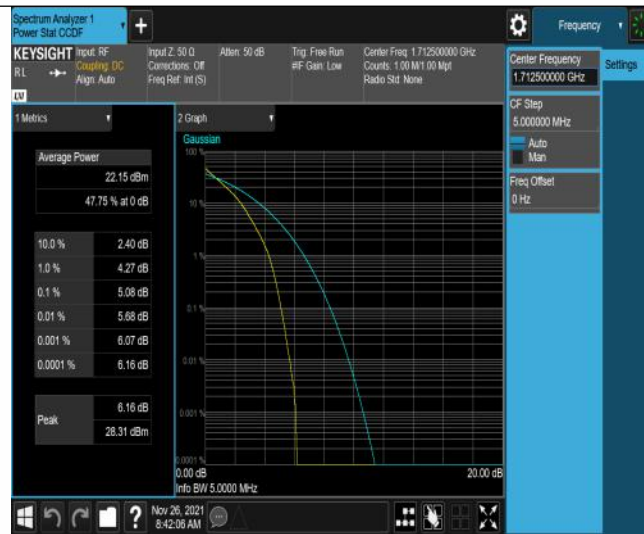
Band4-3MHz-16QAM-19965-15RB#0



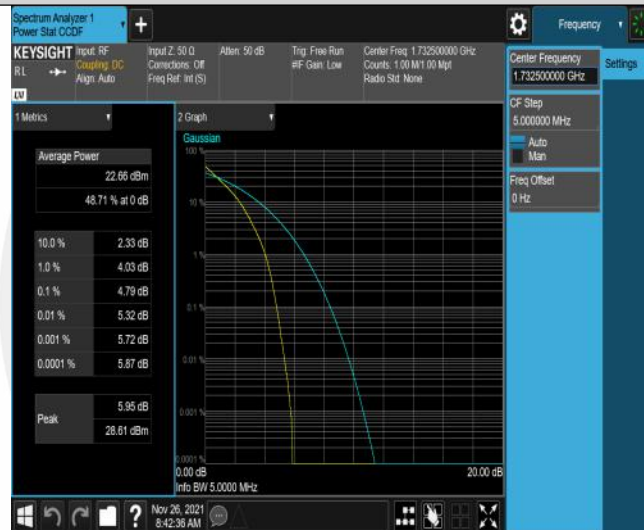
Band4-3MHz-16QAM-20175-15RB#0



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



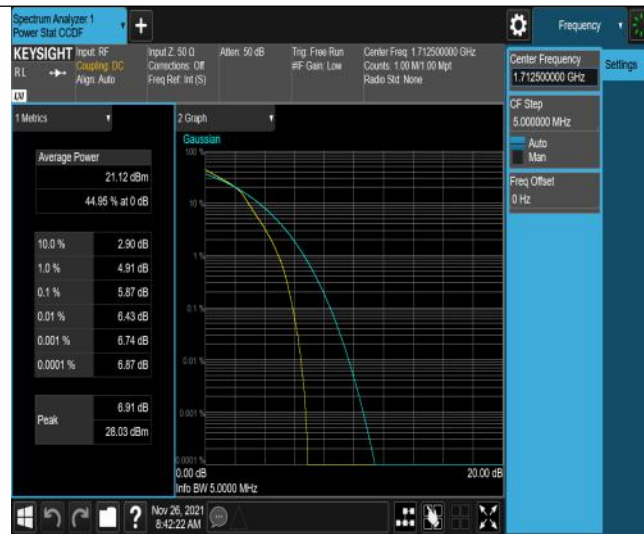
Band4-5MHz-QPSK-19975-25RB#0



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



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



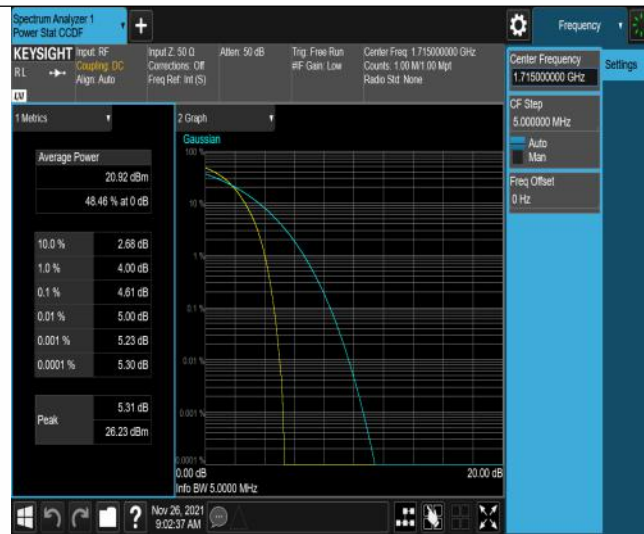
Band4-5MHz-16QAM-19975-25RB#0



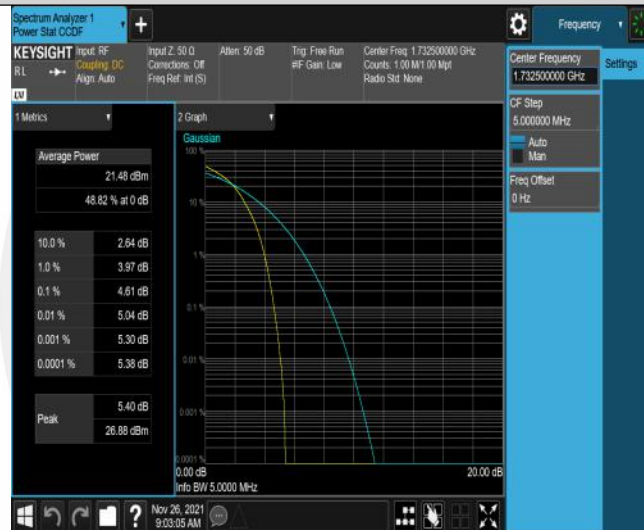
Band4-5MHz-16QAM-20175-25RB#0



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



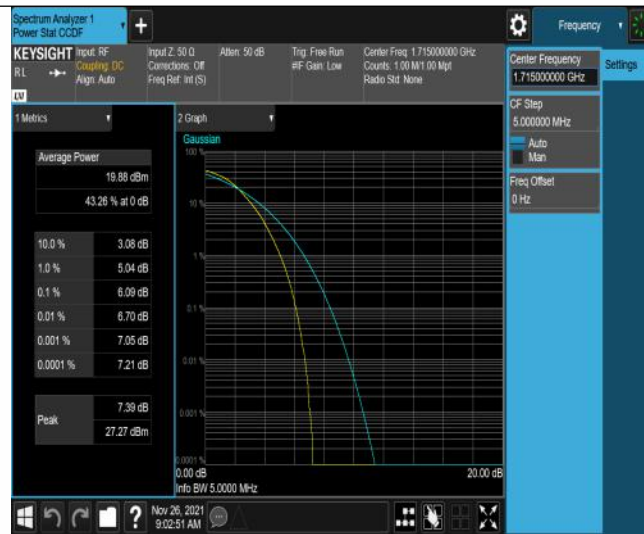
Band4-10MHz-QPSK-20000-50RB#0



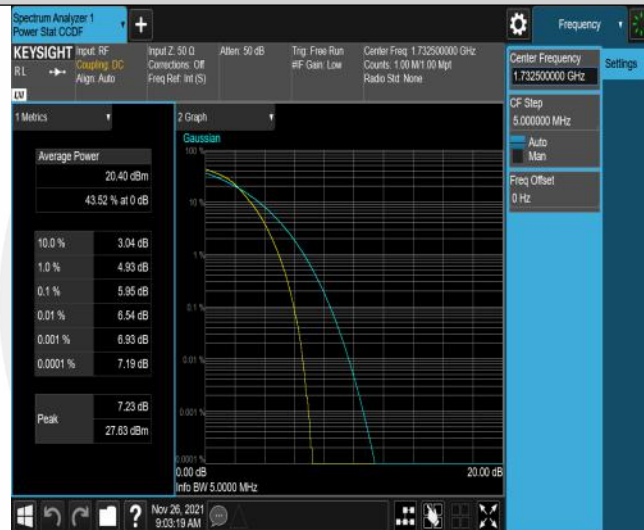
Band4-10MHz-QPSK-20175-50RB#0



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



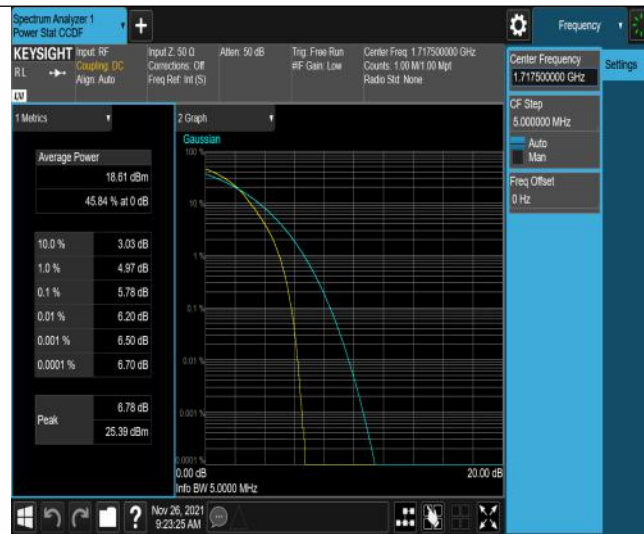
Band4-10MHz-16QAM-20000-50RB#0



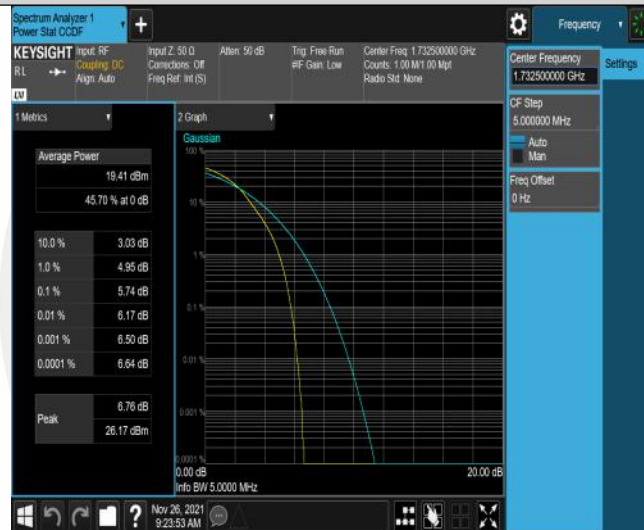
Band4-10MHz-16QAM-20175-50RB#0



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



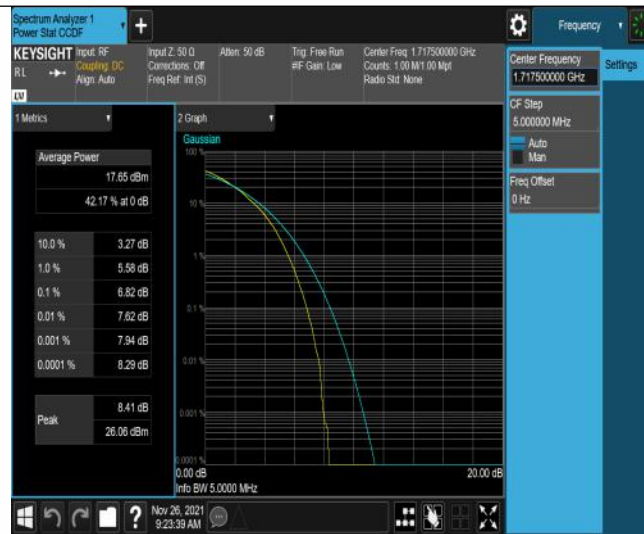
Band4-15MHz-QPSK-20025-75RB#0



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



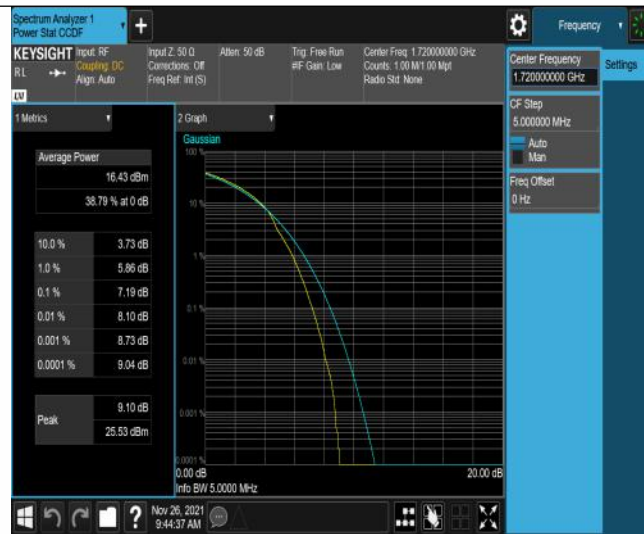
Band4-20MHz-QPSK-20050-100RB#0



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 C: 26dB Bandwidth and Occupied Bandwidth

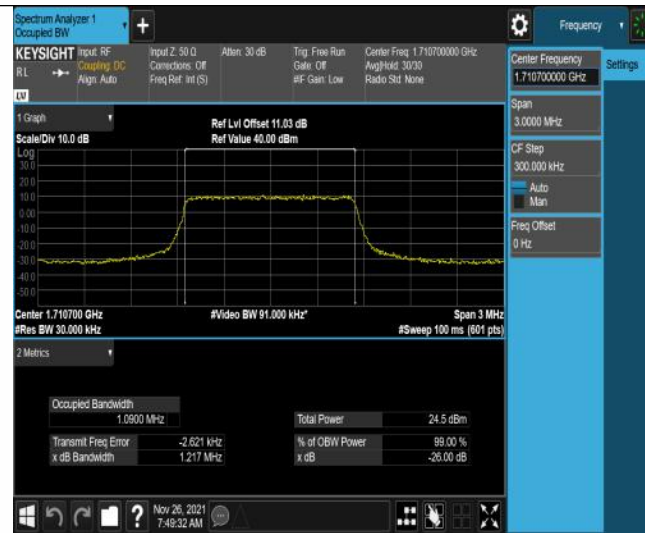
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0900	1.217	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0908	1.224	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0904	1.222	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0880	1.221	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0894	1.228	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0889	1.229	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6961	2.930	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6985	2.892	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6975	2.935	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6928	2.928	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6942	2.907	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6908	2.909	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5012	4.868	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4977	4.891	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4991	4.866	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5064	4.828	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5054	4.860	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5005	4.884	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9812	9.538	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9692	9.563	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9897	9.550	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9721	9.567	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9534	9.536	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9804	9.540	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.491	14.37	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.455	14.31	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.488	14.34	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.477	14.26	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.434	14.26	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.486	14.30	PASS

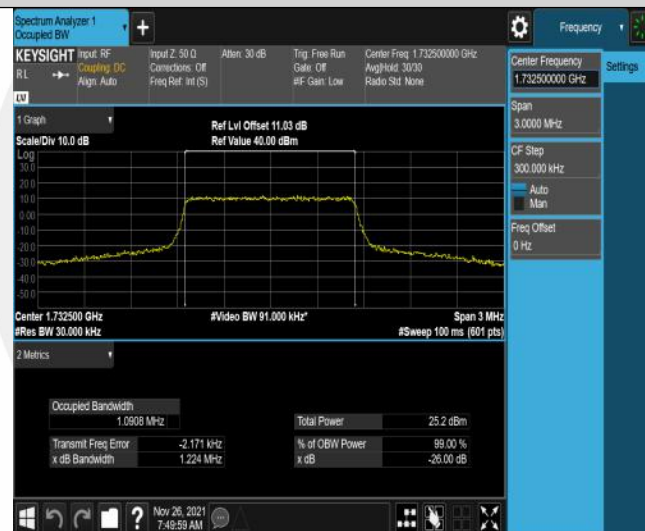
Band4	20MHz	QPSK	20050	100RB#0	17.953	19.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.897	18.95	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.988	19.02	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.947	19.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.892	18.93	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.990	18.98	PASS



Test Graphs



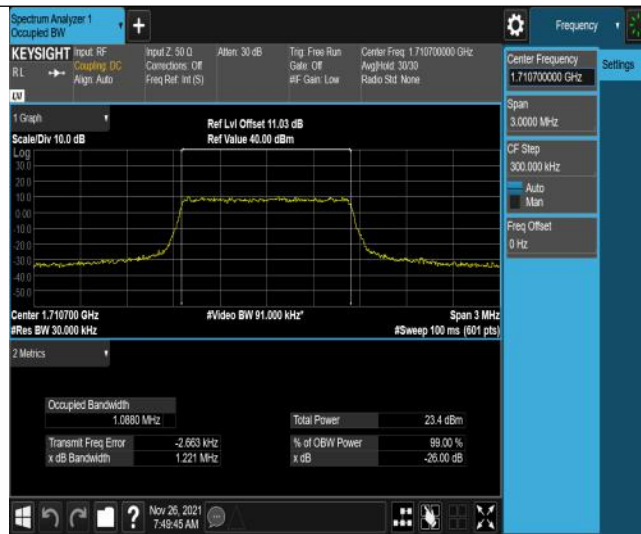
Band4-1.4MHz-QPSK-19957-6RB#0



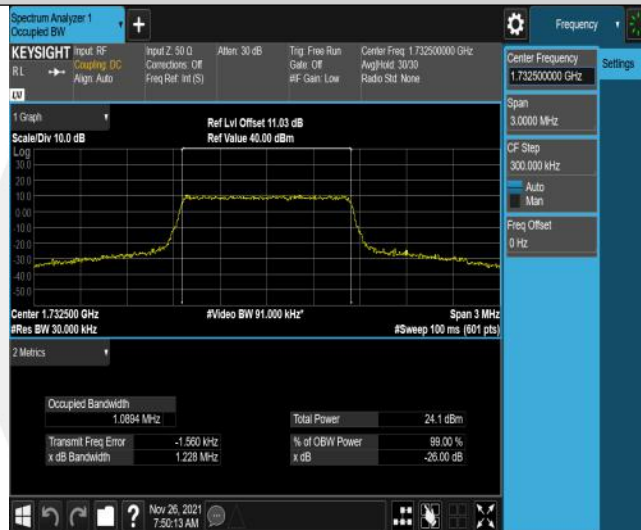
Band4-1.4MHz-QPSK-20175-6RB#0



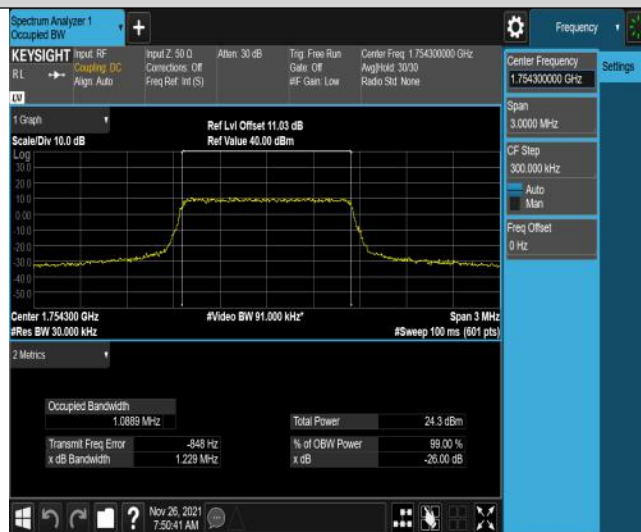
Band4-1.4MHz-QPSK-20393-6RB#0



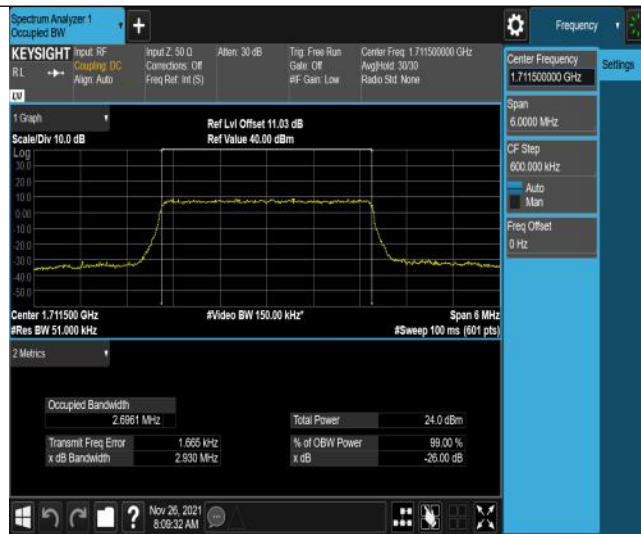
Band4-1.4MHz-16QAM-19957-6RB#0



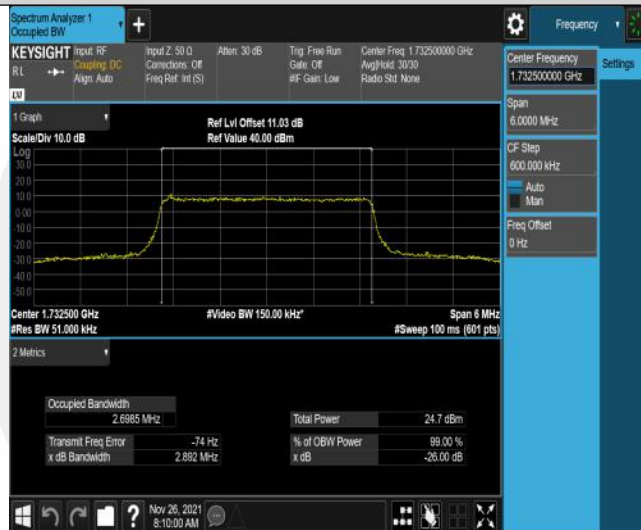
Band4-1.4MHz-16QAM-20175-6RB#0



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



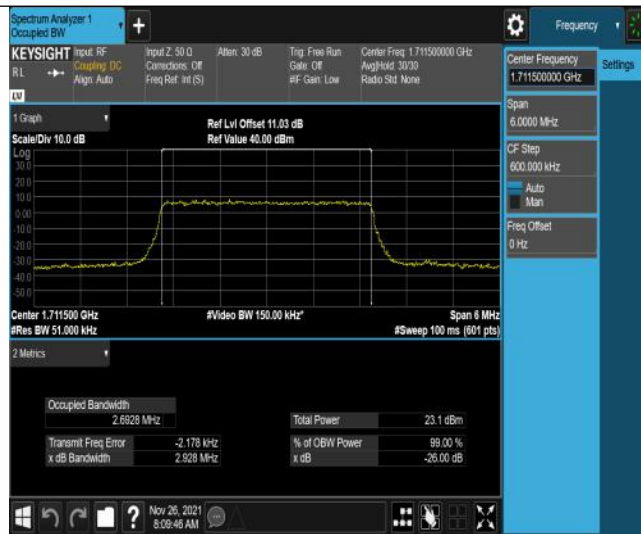
Band4-3MHz-QPSK-19965-15RB#0



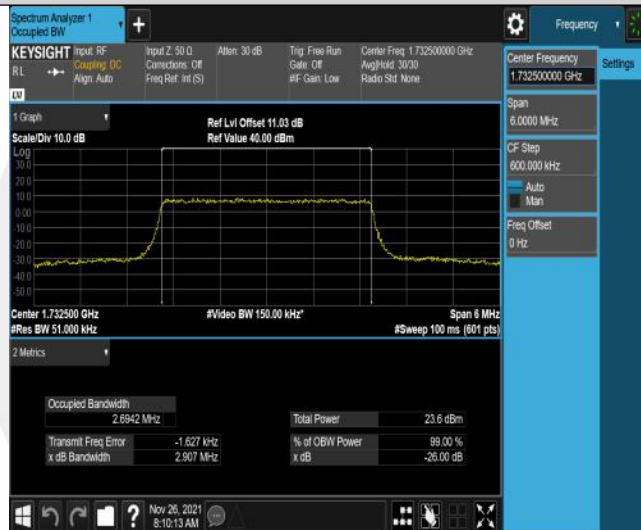
Band4-3MHz-QPSK-20175-15RB#0



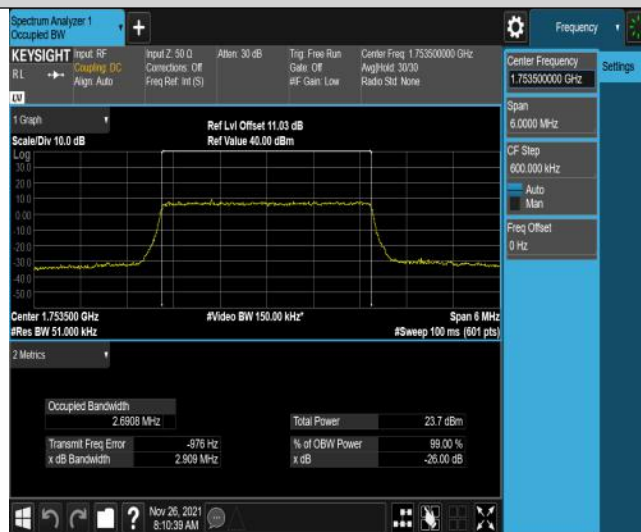
Band4-3MHz-QPSK-20385-15RB#0



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



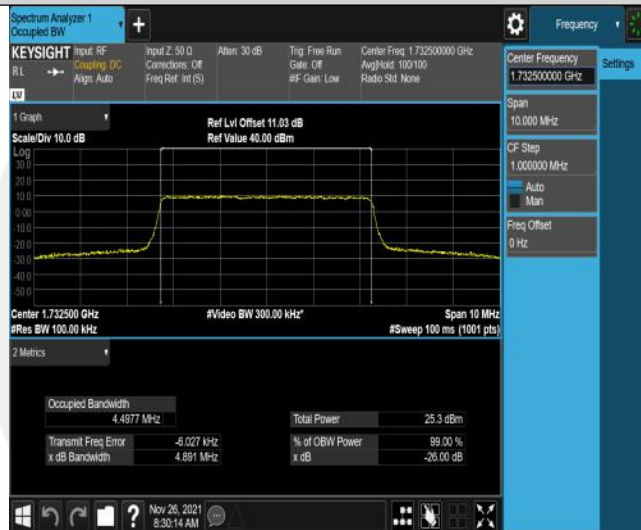
Band4-3MHz-16QAM-20175-15RB#0



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



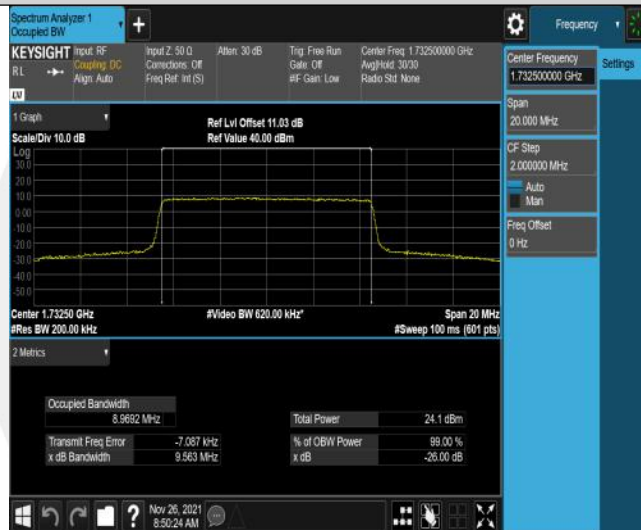
Band4-5MHz-16QAM-20175-25RB#0



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



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



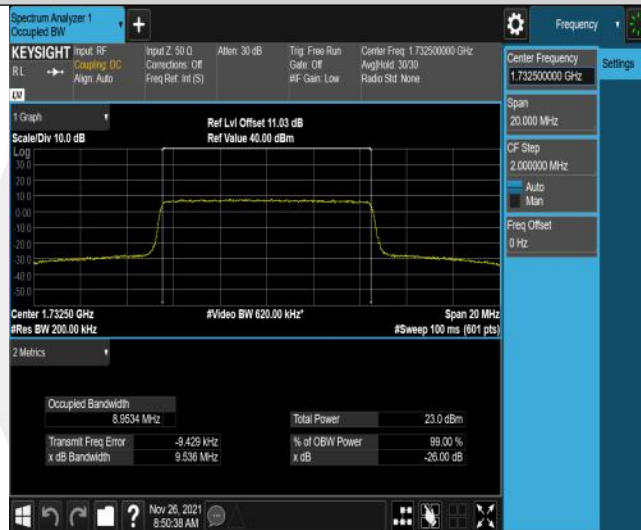
Band4-10MHz-QPSK-20175-50RB#0



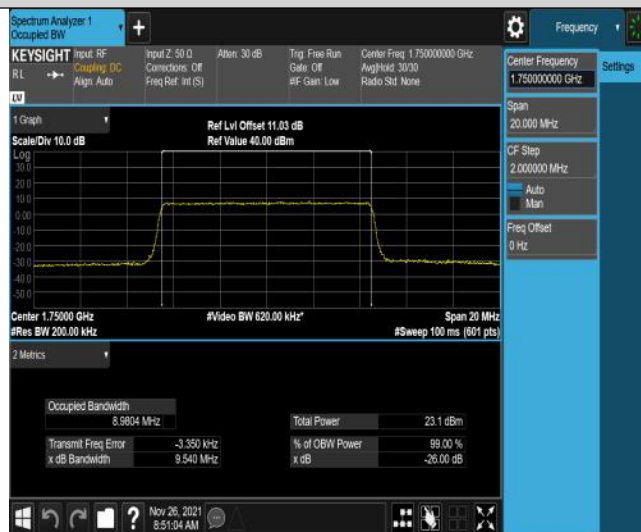
Band4-10MHz-QPSK-20350-50RB#0



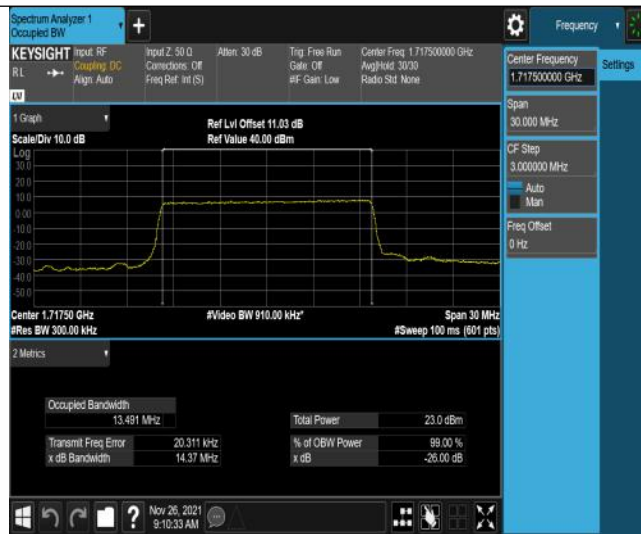
Band4-10MHz-16QAM-20000-50RB#0



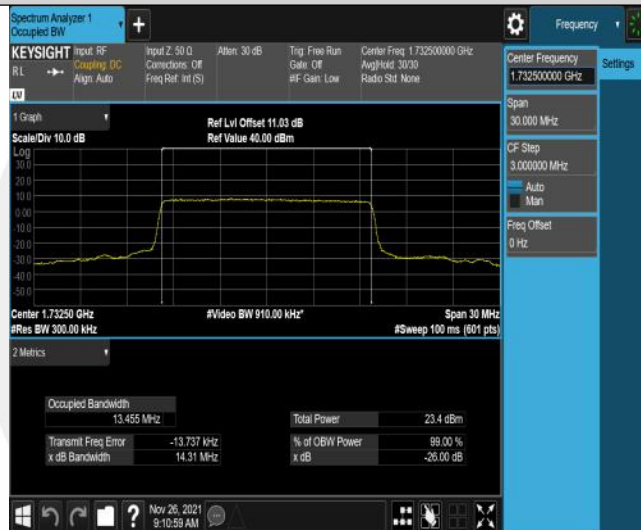
Band4-10MHz-16QAM-20175-50RB#0



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



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



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



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



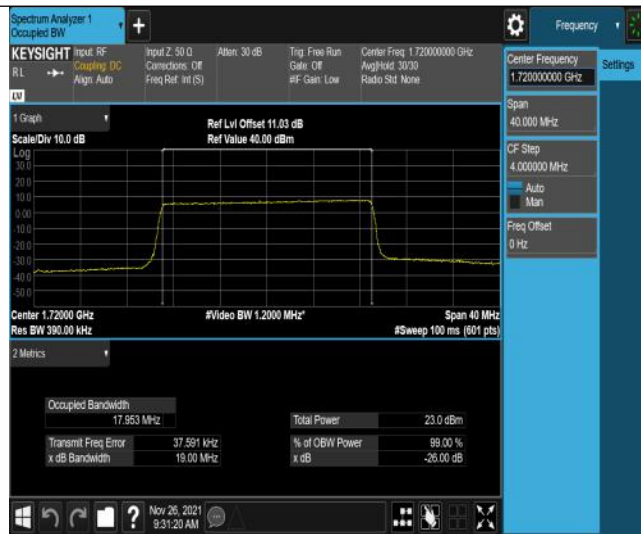
Band4-15MHz-16QAM-20025-75RB#0



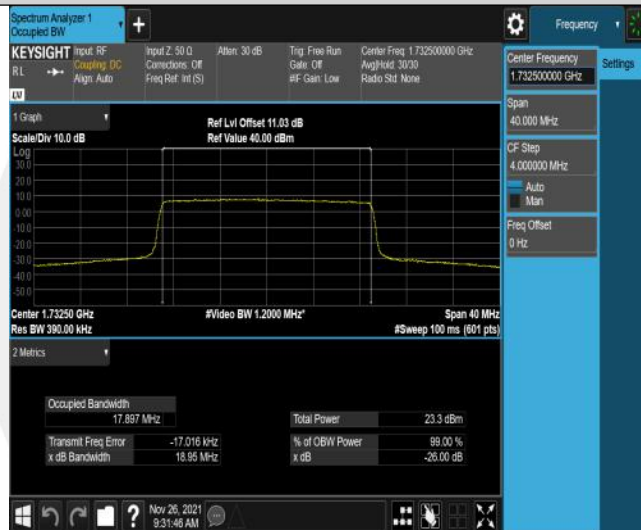
Band4-15MHz-16QAM-20175-75RB#0



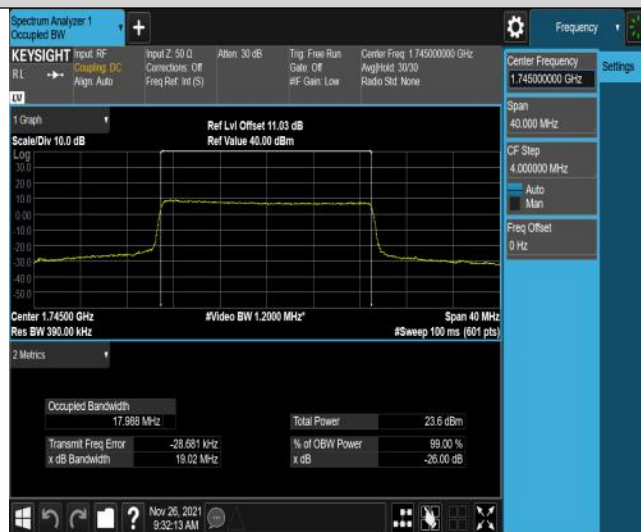
Band4-15MHz-16QAM-20325-75RB#0



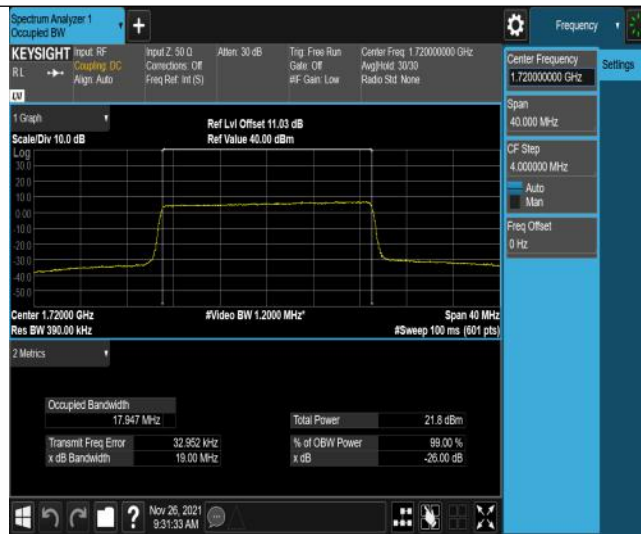
Band4-20MHz-QPSK-20050-100RB#0



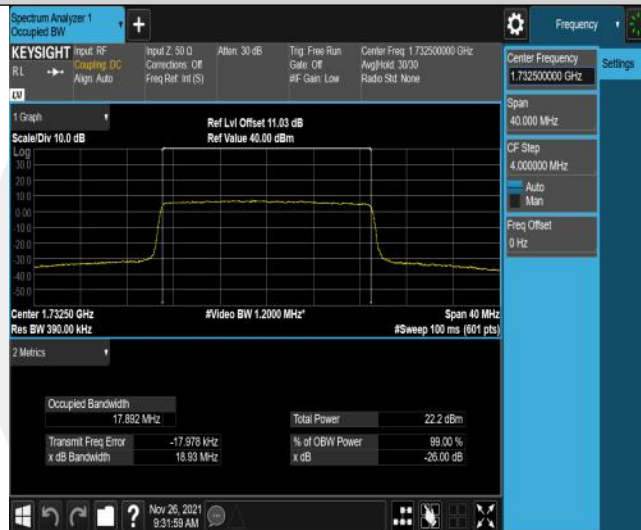
Band4-20MHz-QPSK-20175-100RB#0



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 D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-28.12	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.57	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.71	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.51	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.85	PASS
Band4	3MHz	QPSK	20385	15RB#0	-23.44	PASS
Band4	3MHz	16QAM	19965	15RB#0	-25.27	PASS
Band4	3MHz	16QAM	20385	15RB#0	-25.21	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.45	PASS
Band4	5MHz	QPSK	20375	25RB#0	-24.81	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.67	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.55	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.59	PASS
Band4	10MHz	QPSK	20350	50RB#0	-26.64	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.91	PASS
Band4	10MHz	16QAM	20350	50RB#0	-28.55	PASS
Band4	15MHz	QPSK	20025	75RB#0	-30.73	PASS
Band4	15MHz	QPSK	20325	75RB#0	-26.40	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.06	PASS
Band4	15MHz	16QAM	20325	75RB#0	-29.62	PASS
Band4	20MHz	QPSK	20050	100RB#0	-32.06	PASS
Band4	20MHz	QPSK	20300	100RB#0	-27.25	PASS
Band4	20MHz	16QAM	20050	100RB#0	-32.26	PASS
Band4	20MHz	16QAM	20300	100RB#0	-30.11	PASS

Test Graphs



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	Range1:30~1000MHz	-35.54	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	Range2:1000~2000MHz	-39.33	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	Range3:2000~20000MHz	-25.69	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	Range1:30~1000MHz	-34.26	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	Range2:1000~2000MHz	-39.23	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	Range3:2000~20000MHz	-28.93	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	Range1:30~1000MHz	-35.86	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	Range2:1000~2000MHz	-38.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	Range3:2000~20000MHz	-30.52	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	Range1:30~1000MHz	-35.34	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	Range2:1000~2000MHz	-38.2	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	Range3:2000~20000MHz	-28.9	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	Range1:30~1000MHz	-35.8	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	Range2:1000~2000MHz	-38.34	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	Range3:2000~20000MHz	-28.35	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	Range1:30~1000MHz	-35.96	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	Range2:1000~	-39.36	PASS

					2000MHz		
Band4	1.4MHz	16QAM	20393	6RB#0	Range3:2000~20000MHz	-31.42	PASS
Band4	3MHz	QPSK	19965	6RB#0	Range1:30~1000MHz	-35.44	PASS
Band4	3MHz	QPSK	19965	6RB#0	Range2:1000~2000MHz	-37.05	PASS
Band4	3MHz	QPSK	19965	6RB#0	Range3:2000~20000MHz	-27.48	PASS
Band4	3MHz	QPSK	20175	6RB#0	Range1:30~1000MHz	-35.31	PASS
Band4	3MHz	QPSK	20175	6RB#0	Range2:1000~2000MHz	-37.44	PASS
Band4	3MHz	QPSK	20175	6RB#0	Range3:2000~20000MHz	-27.34	PASS
Band4	3MHz	QPSK	20385	6RB#0	Range1:30~1000MHz	-36.09	PASS
Band4	3MHz	QPSK	20385	6RB#0	Range2:1000~2000MHz	-38.8	PASS
Band4	3MHz	QPSK	20385	6RB#0	Range3:2000~20000MHz	-31.67	PASS
Band4	3MHz	16QAM	19965	6RB#0	Range1:30~1000MHz	-34.77	PASS
Band4	3MHz	16QAM	19965	6RB#0	Range2:1000~2000MHz	-38.87	PASS
Band4	3MHz	16QAM	19965	6RB#0	Range3:2000~20000MHz	-28.75	PASS
Band4	3MHz	16QAM	20175	6RB#0	Range1:30~1000MHz	-35.58	PASS
Band4	3MHz	16QAM	20175	6RB#0	Range2:1000~2000MHz	-39.22	PASS
Band4	3MHz	16QAM	20175	6RB#0	Range3:2000~20000MHz	-32.08	PASS
Band4	3MHz	16QAM	20385	6RB#0	Range1:30~1000MHz	-35.48	PASS
Band4	3MHz	16QAM	20385	6RB#0	Range2:1000~2000MHz	-38.25	PASS

Band4	3MHz	16QAM	20385	6RB#0	Range3:2000~20000MHz	-31.44	PASS
Band4	5MHz	QPSK	19975	25RB#0	Range1:30~1000MHz	-35.57	PASS
Band4	5MHz	QPSK	19975	25RB#0	Range2:1000~2000MHz	-39.12	PASS
Band4	5MHz	QPSK	19975	25RB#0	Range3:2000~20000MHz	-33.33	PASS
Band4	5MHz	QPSK	20175	25RB#0	Range1:30~1000MHz	-34.83	PASS
Band4	5MHz	QPSK	20175	25RB#0	Range2:1000~2000MHz	-37.99	PASS
Band4	5MHz	QPSK	20175	25RB#0	Range3:2000~20000MHz	-35.12	PASS
Band4	5MHz	QPSK	20375	25RB#0	Range1:30~1000MHz	-35.86	PASS
Band4	5MHz	QPSK	20375	25RB#0	Range2:1000~2000MHz	-38.84	PASS
Band4	5MHz	QPSK	20375	25RB#0	Range3:2000~20000MHz	-38.52	PASS
Band4	5MHz	16QAM	19975	25RB#0	Range1:30~1000MHz	-35.05	PASS
Band4	5MHz	16QAM	19975	25RB#0	Range2:1000~2000MHz	-38.86	PASS
Band4	5MHz	16QAM	19975	25RB#0	Range3:2000~20000MHz	-32.92	PASS
Band4	5MHz	16QAM	20175	25RB#0	Range1:30~1000MHz	-34.57	PASS
Band4	5MHz	16QAM	20175	25RB#0	Range2:1000~2000MHz	-39.08	PASS
Band4	5MHz	16QAM	20175	25RB#0	Range3:2000~20000MHz	-34.38	PASS
Band4	5MHz	16QAM	20375	25RB#0	Range1:30~1000MHz	-35.89	PASS
Band4	5MHz	16QAM	20375	25RB#0	Range2:1000~2000MHz	-37.94	PASS
Band4	5MHz	16QAM	20375	25RB#0	Range3:2000~	-37.24	PASS

					20000MHz		
Band4	10MHz	QPSK	20000	50RB#0	Range1:30~1000MHz	-35.15	PASS
Band4	10MHz	QPSK	20000	50RB#0	Range2:1000~2000MHz	-38.49	PASS
Band4	10MHz	QPSK	20000	50RB#0	Range3:2000~20000MHz	-34.88	PASS
Band4	10MHz	QPSK	20175	50RB#0	Range1:30~1000MHz	-35.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	Range2:1000~2000MHz	-39.1	PASS
Band4	10MHz	QPSK	20175	50RB#0	Range3:2000~20000MHz	-35.87	PASS
Band4	10MHz	QPSK	20350	50RB#0	Range1:30~1000MHz	-34.39	PASS
Band4	10MHz	QPSK	20350	50RB#0	Range2:1000~2000MHz	-37.18	PASS
Band4	10MHz	QPSK	20350	50RB#0	Range3:2000~20000MHz	-38.71	PASS
Band4	10MHz	16QAM	20000	50RB#0	Range1:30~1000MHz	-35.28	PASS
Band4	10MHz	16QAM	20000	50RB#0	Range2:1000~2000MHz	-38.29	PASS
Band4	10MHz	16QAM	20000	50RB#0	Range3:2000~20000MHz	-37.1	PASS
Band4	10MHz	16QAM	20175	50RB#0	Range1:30~1000MHz	-35.01	PASS
Band4	10MHz	16QAM	20175	50RB#0	Range2:1000~2000MHz	-38.56	PASS
Band4	10MHz	16QAM	20175	50RB#0	Range3:2000~20000MHz	-35.48	PASS
Band4	10MHz	16QAM	20350	50RB#0	Range1:30~1000MHz	-33.82	PASS
Band4	10MHz	16QAM	20350	50RB#0	Range2:1000~2000MHz	-38.88	PASS
Band4	10MHz	16QAM	20350	50RB#0	Range3:2000~20000MHz	-39.1	PASS

Band4	15MHz	QPSK	20025	75RB#0	Range1:30~1000MHz	-35.04	PASS
Band4	15MHz	QPSK	20025	75RB#0	Range2:1000~2000MHz	-38.61	PASS
Band4	15MHz	QPSK	20025	75RB#0	Range3:2000~20000MHz	-37.86	PASS
Band4	15MHz	QPSK	20175	75RB#0	Range1:30~1000MHz	-35.21	PASS
Band4	15MHz	QPSK	20175	75RB#0	Range2:1000~2000MHz	-37.28	PASS
Band4	15MHz	QPSK	20175	75RB#0	Range3:2000~20000MHz	-40.1	PASS
Band4	15MHz	QPSK	20325	75RB#0	Range1:30~1000MHz	-34.95	PASS
Band4	15MHz	QPSK	20325	75RB#0	Range2:1000~2000MHz	-39.16	PASS
Band4	15MHz	QPSK	20325	75RB#0	Range3:2000~20000MHz	-40.88	PASS
Band4	15MHz	16QAM	20025	75RB#0	Range1:30~1000MHz	-35.54	PASS
Band4	15MHz	16QAM	20025	75RB#0	Range2:1000~2000MHz	-38.48	PASS
Band4	15MHz	16QAM	20025	75RB#0	Range3:2000~20000MHz	-36.79	PASS
Band4	15MHz	16QAM	20175	75RB#0	Range1:30~1000MHz	-35.88	PASS
Band4	15MHz	16QAM	20175	75RB#0	Range2:1000~2000MHz	-38.82	PASS
Band4	15MHz	16QAM	20175	75RB#0	Range3:2000~20000MHz	-39.31	PASS
Band4	15MHz	16QAM	20325	75RB#0	Range1:30~1000MHz	-34.99	PASS
Band4	15MHz	16QAM	20325	75RB#0	Range2:1000~2000MHz	-38.22	PASS
Band4	15MHz	16QAM	20325	75RB#0	Range3:2000~20000MHz	-38.36	PASS
Band4	20MHz	QPSK	20050	100RB#0	Range1:30~1000MHz	-35.66	PASS

					00MHz		
Band4	20MHz	QPSK	20050	100RB#0	Range2:1000~2000MHz	-38.66	PASS
Band4	20MHz	QPSK	20050	100RB#0	Range3:2000~20000MHz	-37.83	PASS
Band4	20MHz	QPSK	20175	100RB#0	Range1:30~1000MHz	-35.42	PASS
Band4	20MHz	QPSK	20175	100RB#0	Range2:1000~2000MHz	-40.02	PASS
Band4	20MHz	QPSK	20175	100RB#0	Range3:2000~20000MHz	-38.11	PASS
Band4	20MHz	QPSK	20300	100RB#0	Range1:30~1000MHz	-34.7	PASS
Band4	20MHz	QPSK	20300	100RB#0	Range2:1000~2000MHz	-37.15	PASS
Band4	20MHz	QPSK	20300	100RB#0	Range3:2000~20000MHz	-39.85	PASS
Band4	20MHz	16QAM	20050	100RB#0	Range1:30~1000MHz	-35.17	PASS
Band4	20MHz	16QAM	20050	100RB#0	Range2:1000~2000MHz	-39.43	PASS
Band4	20MHz	16QAM	20050	100RB#0	Range3:2000~20000MHz	-39.27	PASS
Band4	20MHz	16QAM	20175	100RB#0	Range1:30~1000MHz	-35.61	PASS
Band4	20MHz	16QAM	20175	100RB#0	Range2:1000~2000MHz	-38.14	PASS
Band4	20MHz	16QAM	20175	100RB#0	Range3:2000~20000MHz	-41.03	PASS
Band4	20MHz	16QAM	20300	100RB#0	Range1:30~1000MHz	-34.92	PASS
Band4	20MHz	16QAM	20300	100RB#0	Range2:1000~2000MHz	-38.49	PASS
Band4	20MHz	16QAM	20300	100RB#0	Range3:2000~20000MHz	-40.42	PASS

Test Graphs



Band4-1.4MHz-QPSK-19957-6RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-19957-6RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-19957-6RB#0-Range3:2000~20000MHz



Band4-1.4MHz-QPSK-20175-6RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-20175-6RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-20175-6RB#0-Range3:2000~20000MHz



Band4-1.4MHz-QPSK-20393-6RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-20393-6RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-20393-6RB#0-Range3:2000~20000MHz



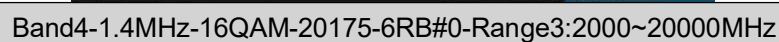
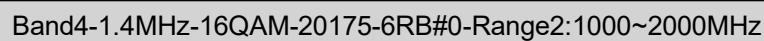
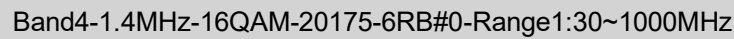
Band4-1.4MHz-16QAM-19957-6RB#0-Range1:30~1000MHz

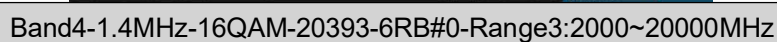
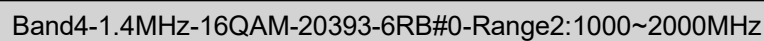


Band4-1.4MHz-16QAM-19957-6RB#0-Range2:1000~2000MHz



Band4-1.4MHz-16QAM-19957-6RB#0-Range3:2000~20000MHz







Band4-3MHz-QPSK-19965-6RB#0-Range1:30~1000MHz



Band4-3MHz-QPSK-19965-6RB#0-Range2:1000~2000MHz



Band4-3MHz-QPSK-19965-6RB#0-Range3:2000~20000MHz



Band4-3MHz-QPSK-20175-6RB#0-Range1:30~1000MHz



Band4-3MHz-QPSK-20175-6RB#0-Range2:1000~2000MHz



Band4-3MHz-QPSK-20175-6RB#0-Range3:2000~20000MHz



Band4-3MHz-QPSK-20385-6RB#0-Range1:30~1000MHz



Band4-3MHz-QPSK-20385-6RB#0-Range2:1000~2000MHz



Band4-3MHz-QPSK-20385-6RB#0-Range3:2000~20000MHz



Band4-3MHz-16QAM-19965-6RB#0-Range1:30~1000MHz



Band4-3MHz-16QAM-19965-6RB#0-Range2:1000~2000MHz



Band4-3MHz-16QAM-19965-6RB#0-Range3:2000~20000MHz