

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	23.35	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.38	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.38	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.37	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.39	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.34	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.34	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.36	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.42	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.35	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.41	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.37	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.35	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.36	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.37	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.38	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.33	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.36	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.34	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.31	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.33	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.49	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.59	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.48	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.26	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.29	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.33	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.20	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.28	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.31	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.22	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.21	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.25	PASS

Band4	1.4MHz	16QAM	20175	3RB#3	22.19	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.36	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.49	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.57	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.48	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.29	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.28	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.24	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.42	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.48	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.41	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.44	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.50	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.48	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.47	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.46	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.57	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.48	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.48	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.47	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.52	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.45	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.44	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.43	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.47	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.42	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.55	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.52	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.51	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.44	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.62	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.64	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.54	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.50	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.49	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.47	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.38	PASS

Band4	3MHz	16QAM	20175	1RB#0	22.40	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.41	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.35	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.50	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.50	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.48	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.38	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.64	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.65	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.56	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.54	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.57	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.51	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.48	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.61	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.58	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.55	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.49	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.50	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.46	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.49	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.59	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.59	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.54	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.51	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.47	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.38	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.48	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.65	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.70	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.57	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.56	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.51	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.49	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.52	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.83	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.84	PASS

Band4	5MHz	16QAM	19975	1RB#24	22.76	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.52	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.52	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.50	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.45	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.80	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.82	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.77	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.57	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.53	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.49	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.46	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.90	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.87	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.77	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.54	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.66	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.52	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.48	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.61	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.48	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.54	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.56	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.61	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.48	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.47	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.72	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.51	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.46	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.54	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.57	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.49	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.51	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.62	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.45	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.46	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.62	PASS

Band4	10MHz	QPSK	20350	25RB#12	22.61	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.47	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.56	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.78	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.64	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.73	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.61	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.56	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.49	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.52	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.60	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.39	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.39	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.61	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.62	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.53	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.53	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.81	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.66	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.67	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.56	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.58	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.48	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.54	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.72	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.50	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.52	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.57	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.53	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.51	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.52	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.87	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.56	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.54	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.53	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.53	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.54	PASS

Band4	15MHz	QPSK	20175	75RB#0	22.57	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.64	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.57	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.46	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.57	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.58	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.61	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.60	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.04	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.68	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.82	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.55	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.52	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.50	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.59	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.76	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.42	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.35	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.54	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.54	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.54	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.55	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.80	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.69	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.61	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.60	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.59	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.60	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.56	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.84	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.68	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.56	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.63	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.64	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.58	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.66	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.79	PASS

Band4	20MHz	QPSK	20175	1RB#49	23.38	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.38	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.80	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.73	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.48	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.58	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.80	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.62	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.58	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.60	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.59	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.52	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.67	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.94	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.78	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.72	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.64	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.63	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.55	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.63	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.92	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.52	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.51	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.80	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.81	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.52	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.59	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.78	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.63	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.52	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.60	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.60	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.53	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.66	PASS

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

Test Result

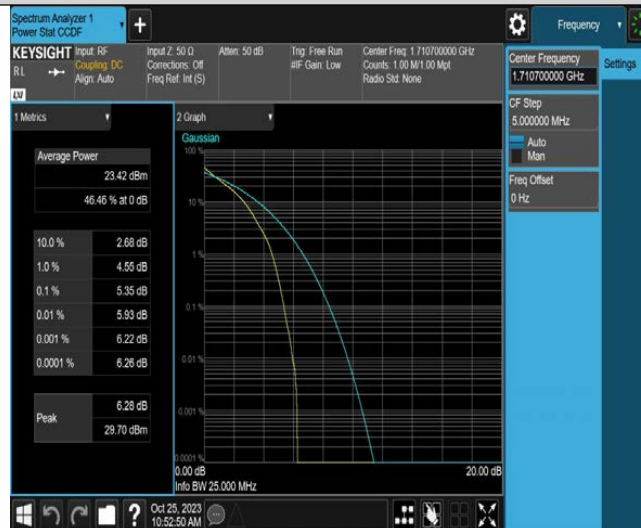
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.35	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.18	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.30	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.13	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.06	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.26	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.30	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.20	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.33	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.15	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.09	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.23	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.30	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.26	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.36	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.12	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.07	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.17	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.31	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.25	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.28	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.12	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.04	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.13	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.33	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.45	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.42	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.08	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.13	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.16	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.92	13	PASS

Band4	20MHz	QPSK	20175	100RB#0	5.33	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.24	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.91	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.10	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.06	13	PASS

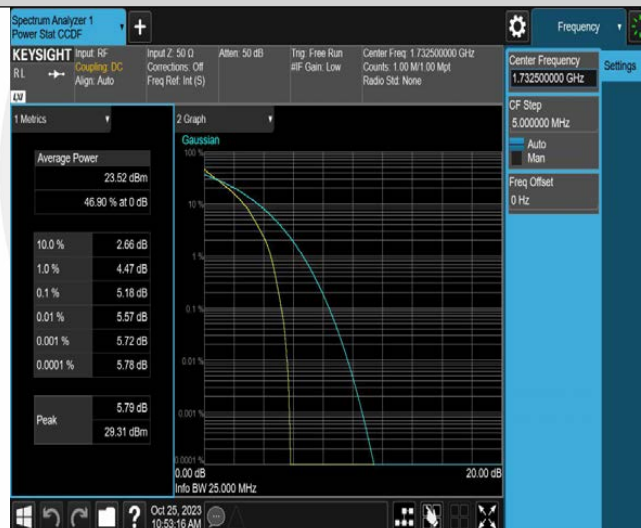


Test Graphs

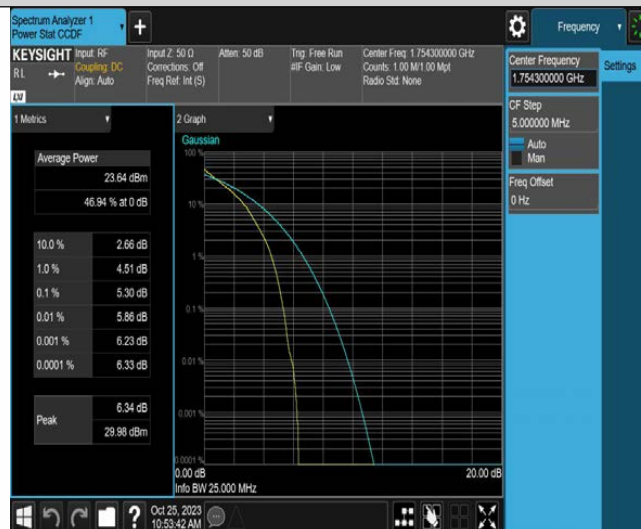
Band4-1.4MHz-QPSK-19957-6RB#0



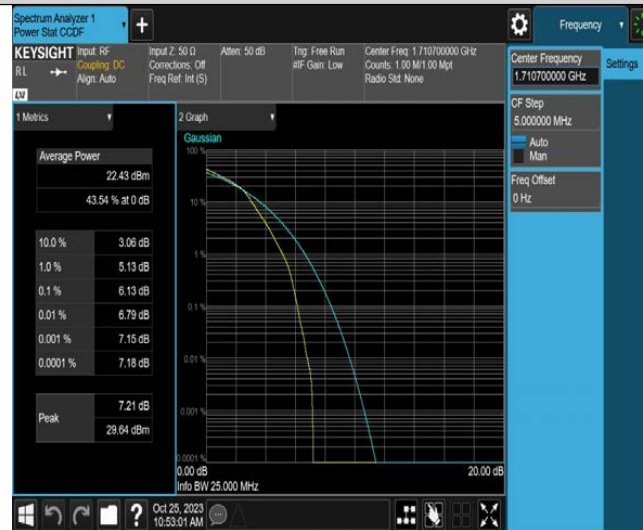
Band4-1.4MHz-QPSK-20175-6RB#0



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



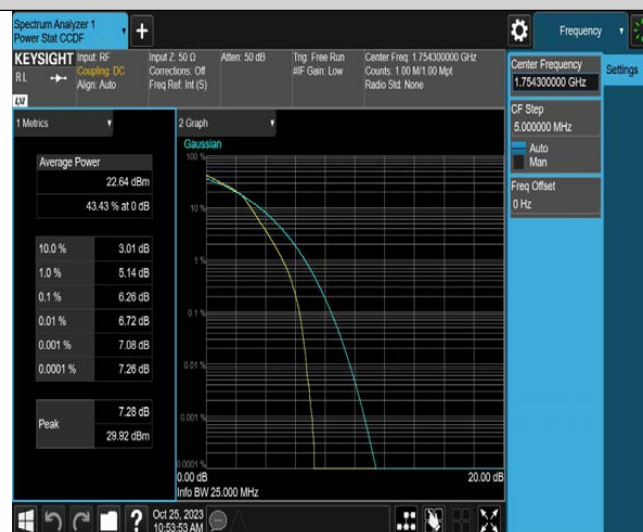
Band4-1.4MHz-16QAM-19957-6RB#0



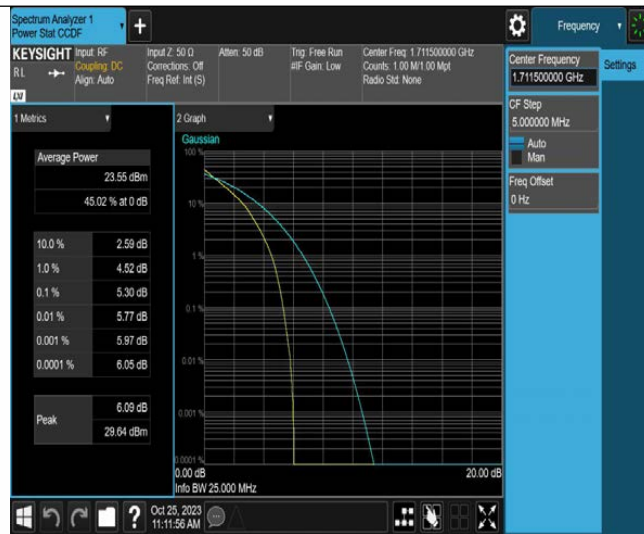
Band4-1.4MHz-16QAM-20175-6RB#0



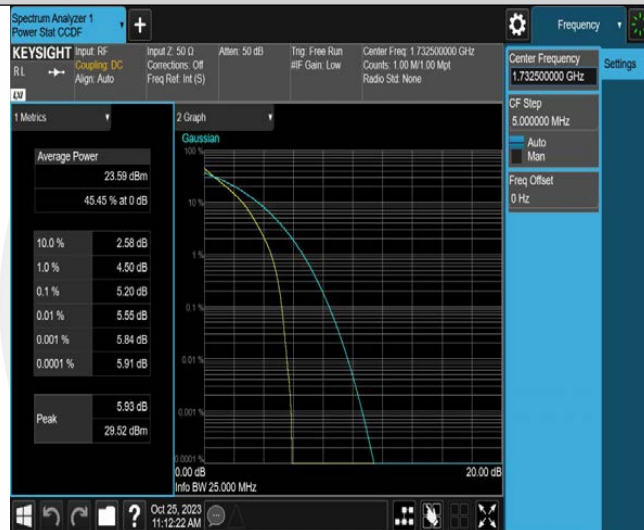
Band4-1.4MHz-16QAM-20393-6RB#0



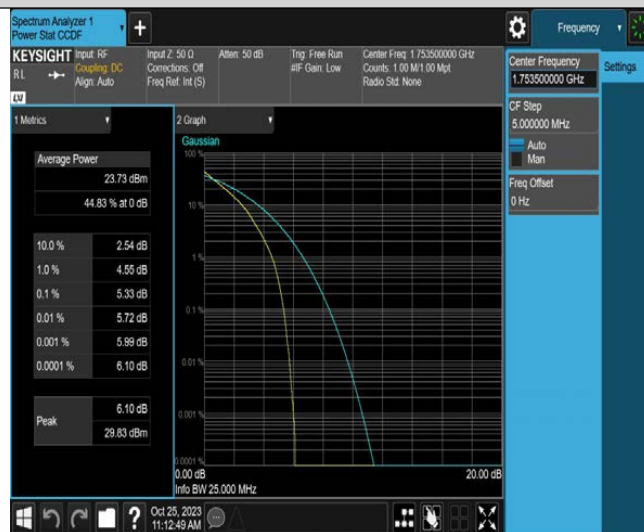
Band4-3MHz-QPSK-19965-15RB#0



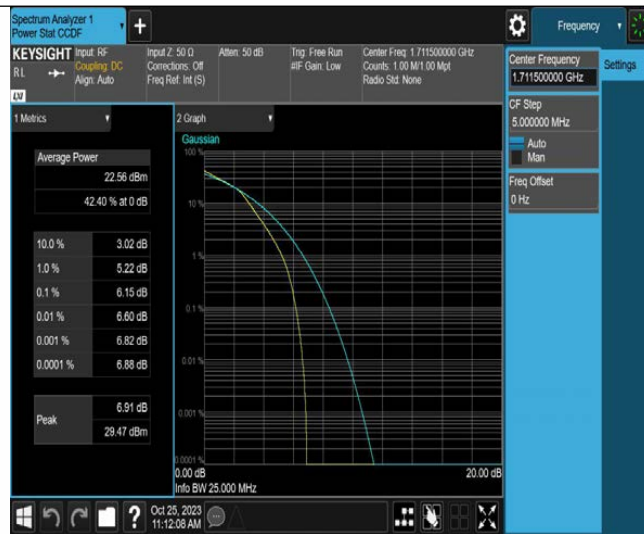
Band4-3MHz-QPSK-20175-15RB#0



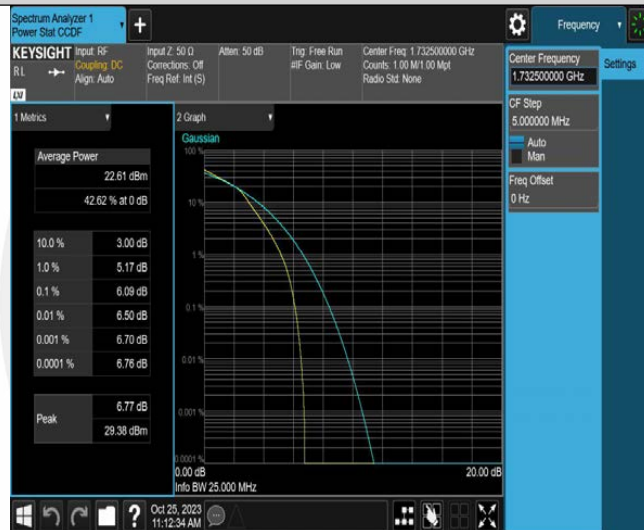
Band4-3MHz-QPSK-20385-15RB#0



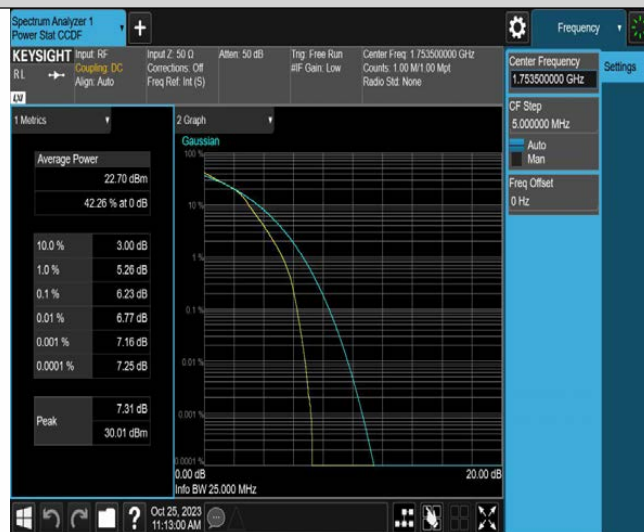
Band4-3MHz-16QAM-19965-15RB#0



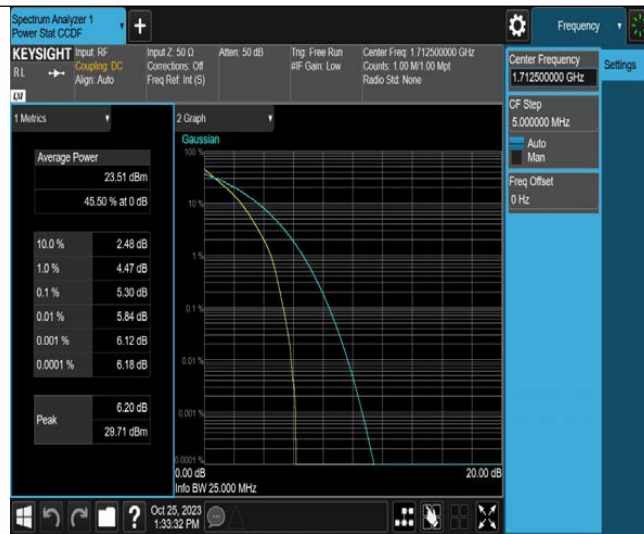
Band4-3MHz-16QAM-20175-15RB#0



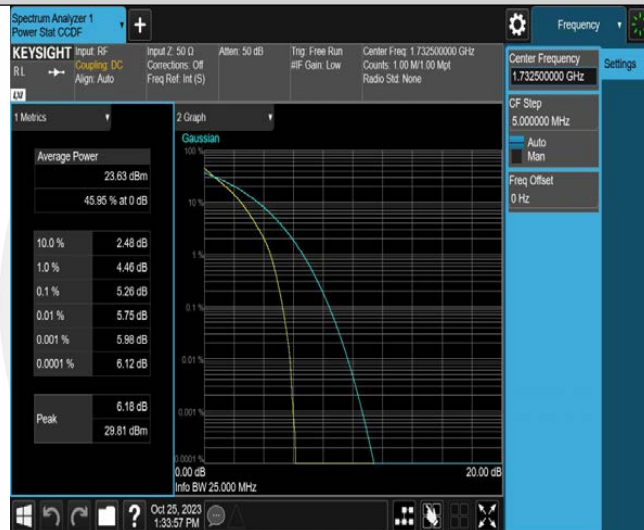
Band4-3MHz-16QAM-20385-15RB#0



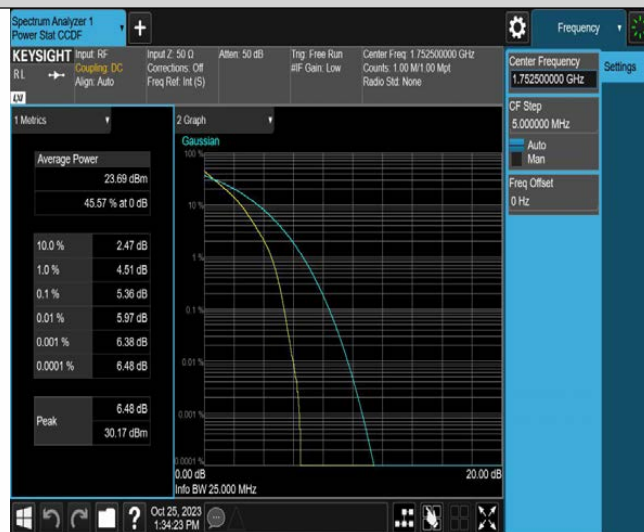
Band4-5MHz-QPSK-19975-25RB#0



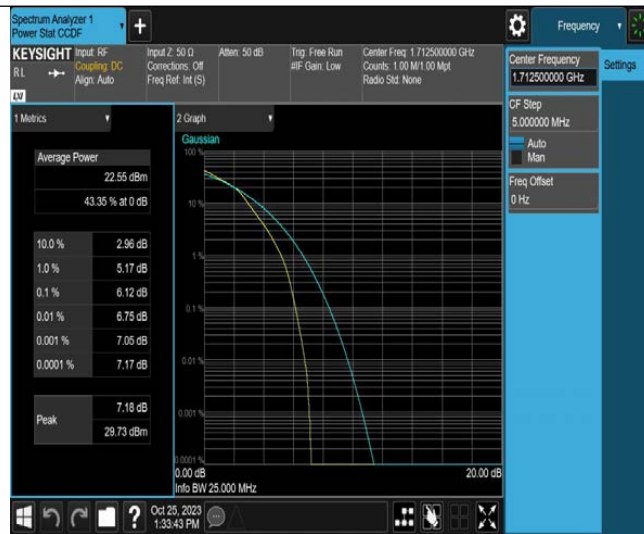
Band4-5MHz-QPSK-20175-25RB#0



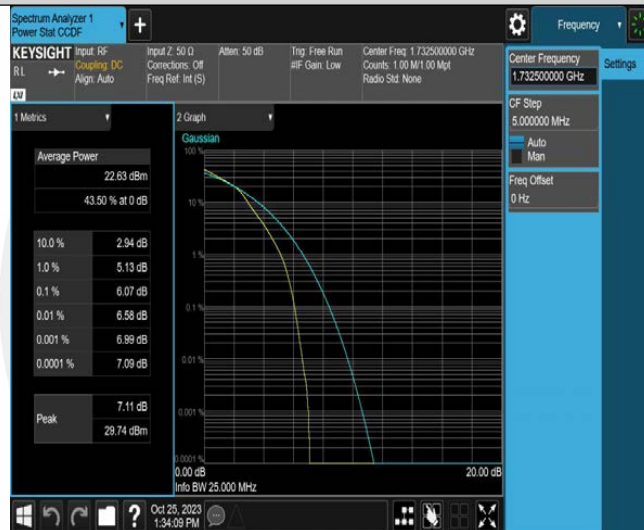
Band4-5MHz-QPSK-20375-25RB#0



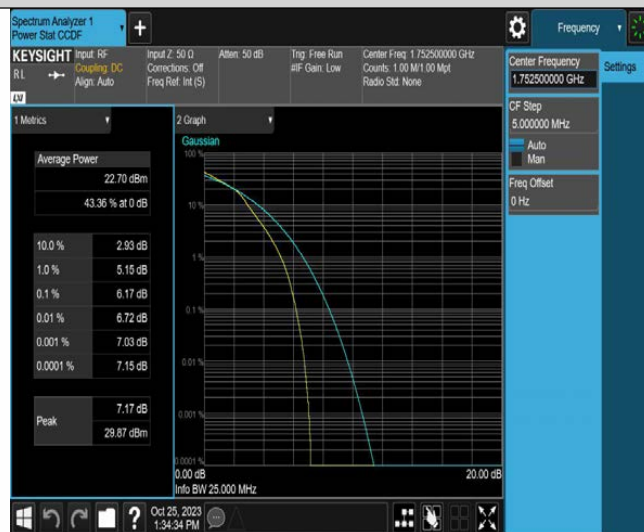
Band4-5MHz-16QAM-19975-25RB#0



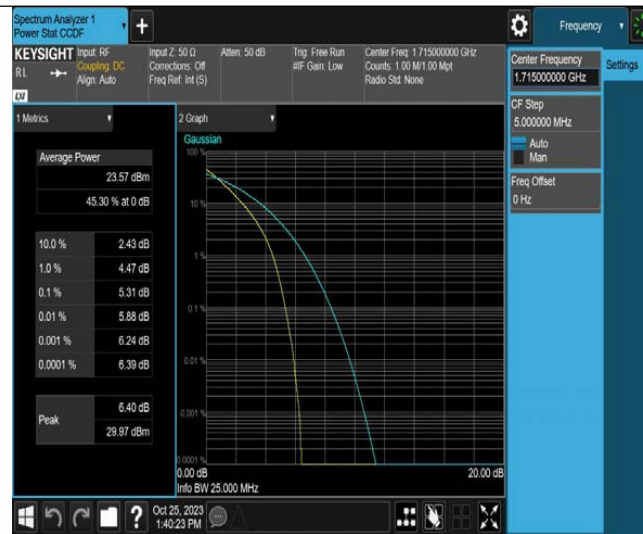
Band4-5MHz-16QAM-20175-25RB#0



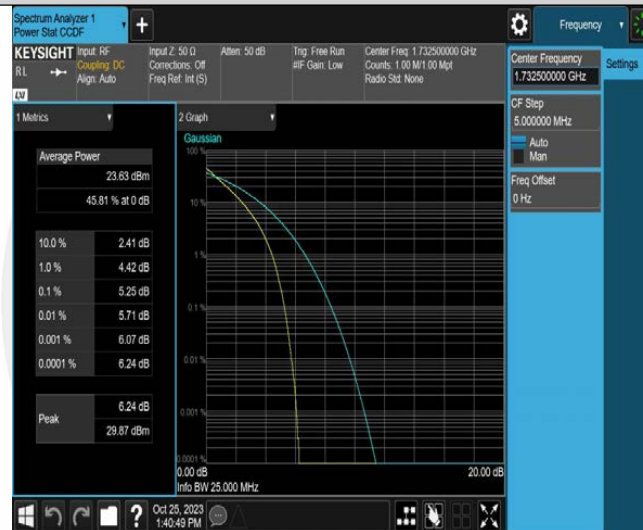
Band4-5MHz-16QAM-20375-25RB#0



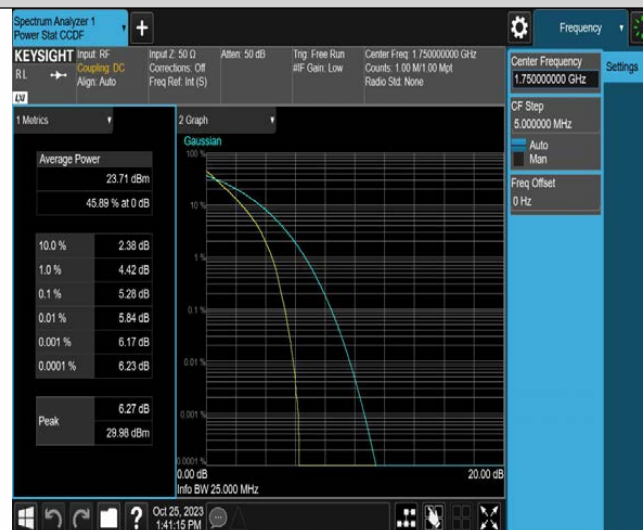
Band4-10MHz-QPSK-20000-50RB#0



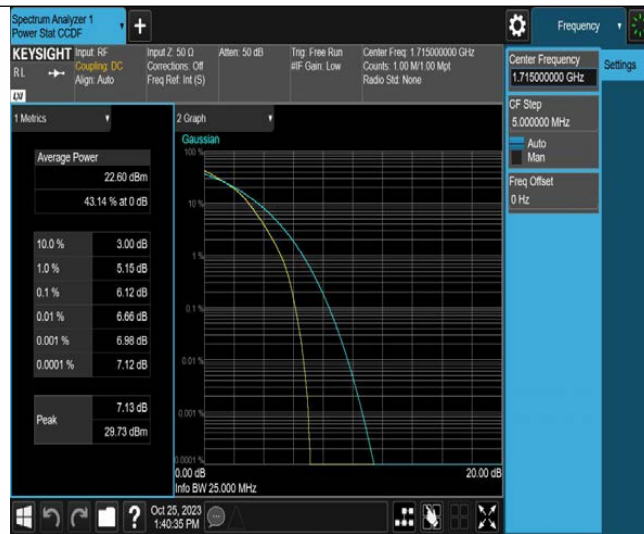
Band4-10MHz-QPSK-20175-50RB#0



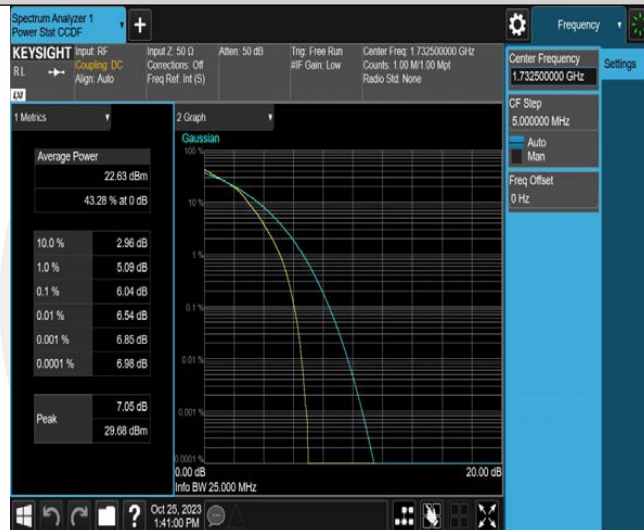
Band4-10MHz-QPSK-20350-50RB#0



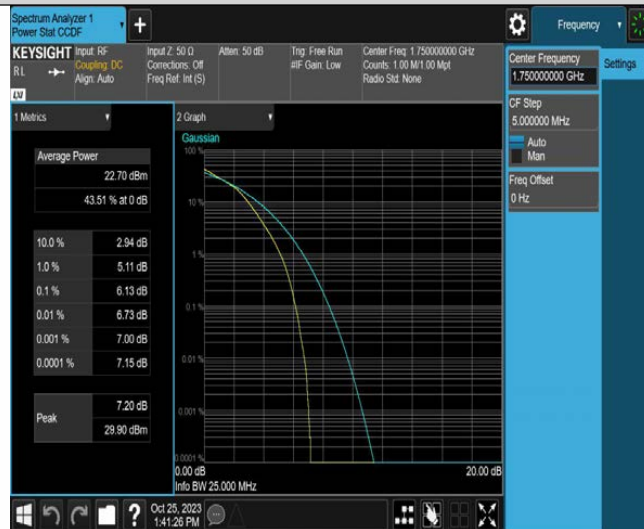
Band4-10MHz-16QAM-20000-50RB#0



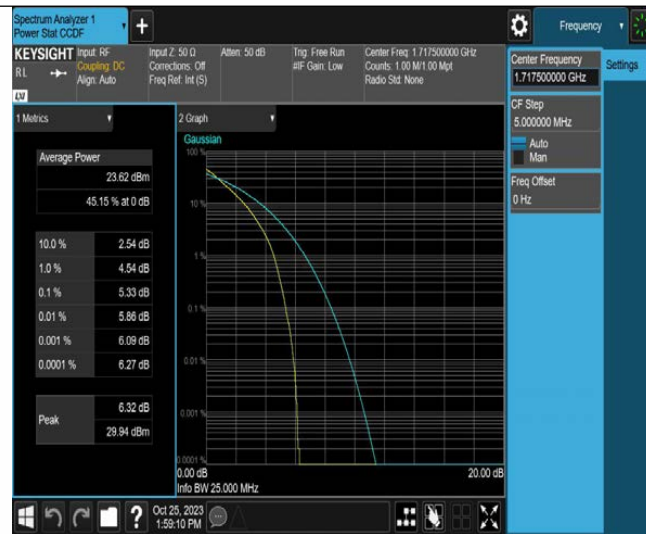
Band4-10MHz-16QAM-20175-50RB#0



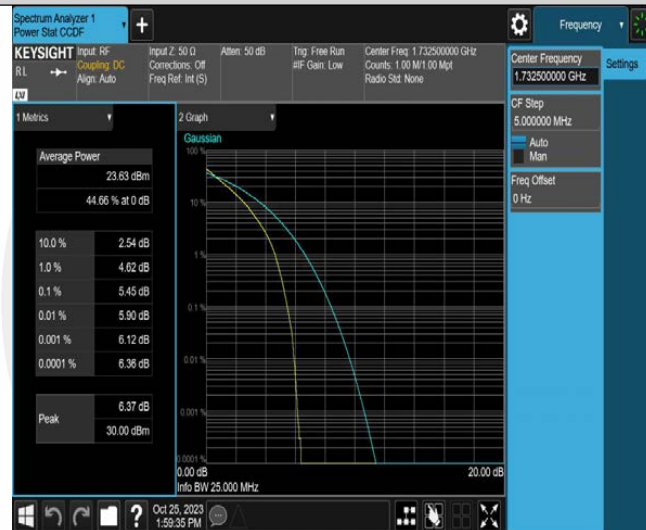
Band4-10MHz-16QAM-20350-50RB#0



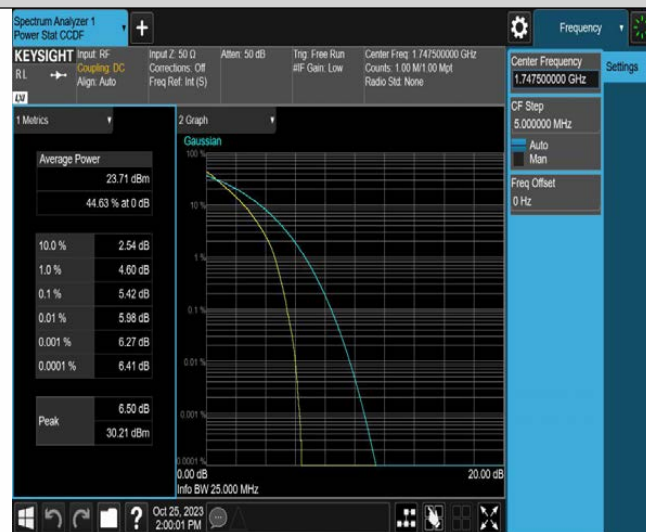
Band4-15MHz-QPSK-20025-75RB#0



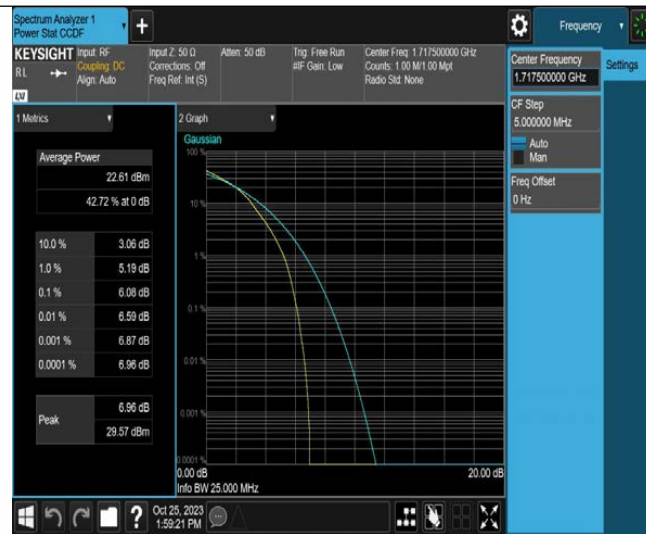
Band4-15MHz-QPSK-20175-75RB#0



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



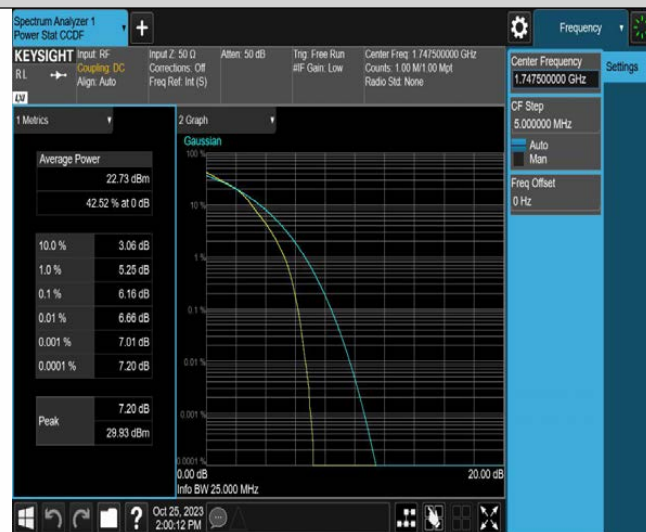
Band4-15MHz-16QAM-20025-75RB#0



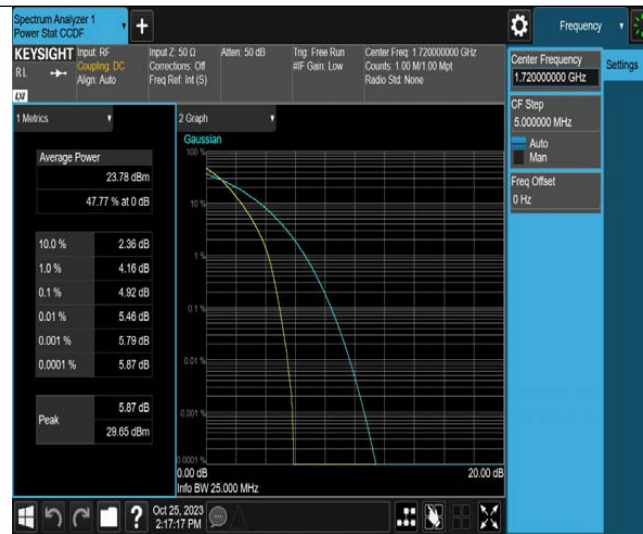
Band4-15MHz-16QAM-20175-75RB#0



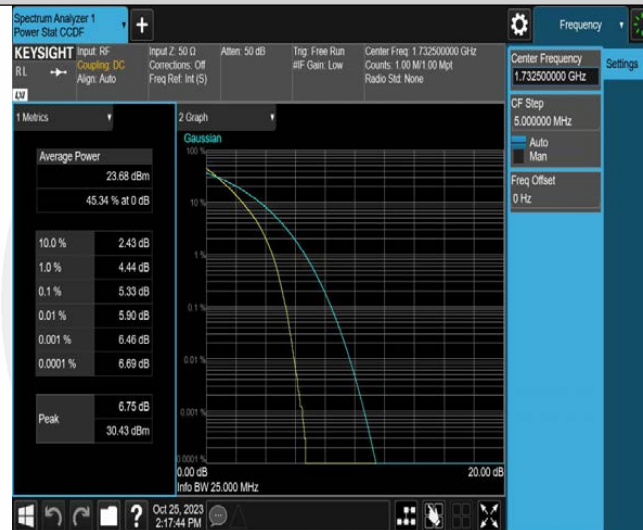
Band4-15MHz-16QAM-20325-75RB#0



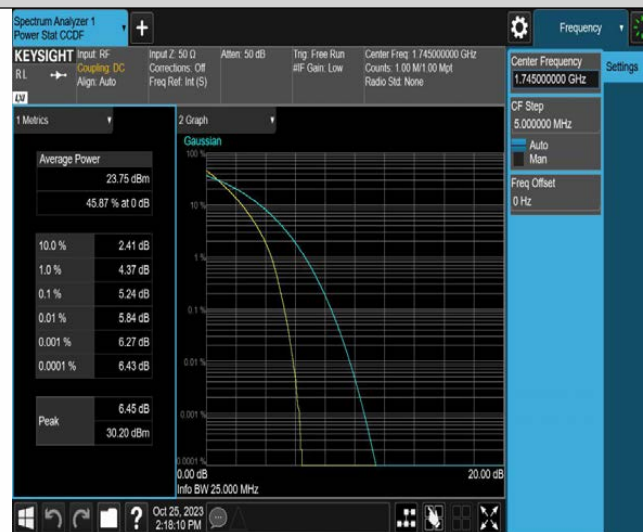
Band4-20MHz-QPSK-20050-100RB#0



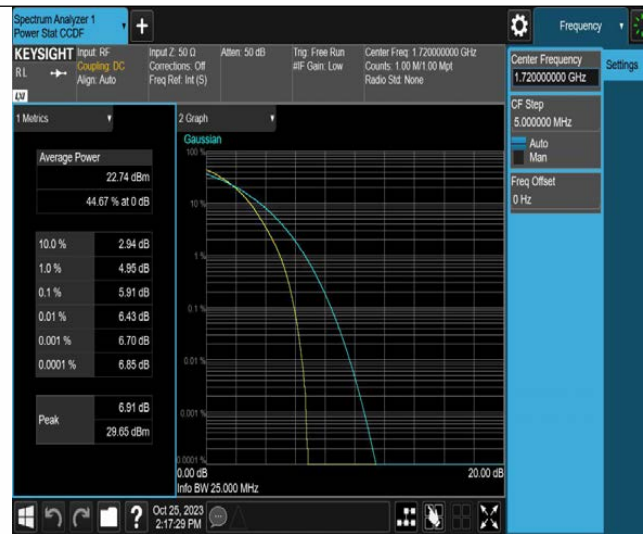
Band4-20MHz-QPSK-20175-100RB#0



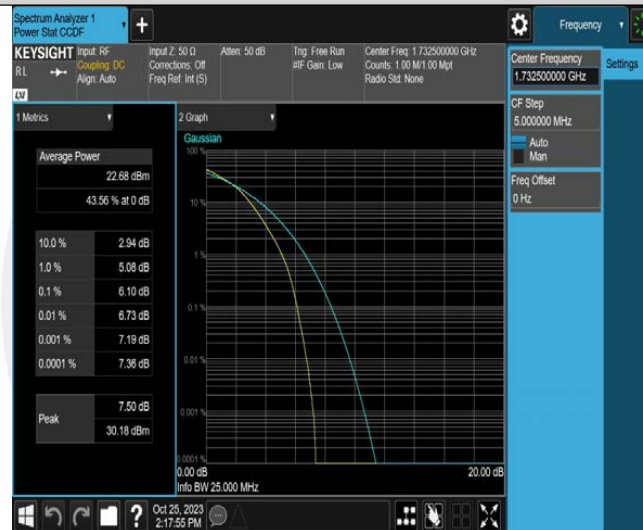
Band4-20MHz-QPSK-20300-100RB#0



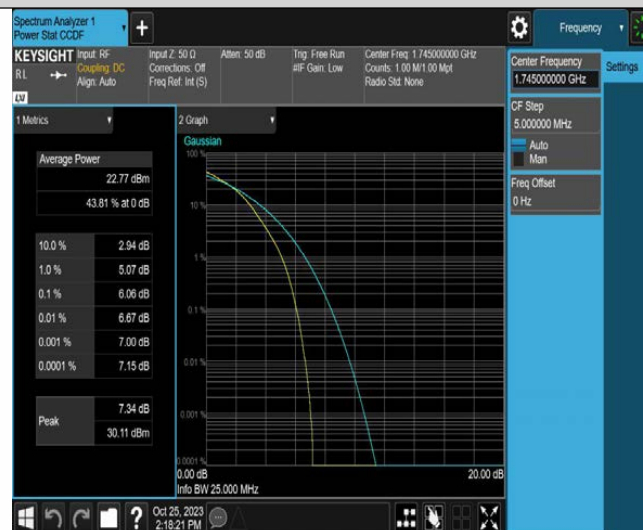
Band4-20MHz-16QAM-20050-100RB#0



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



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

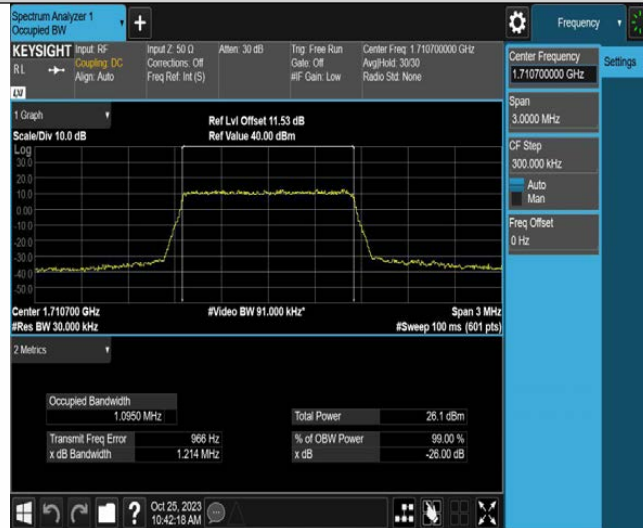
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0950	1.214	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0888	1.225	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0892	1.213	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0906	1.230	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0898	1.212	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0882	1.228	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6978	2.905	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6958	2.912	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6914	2.897	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6902	2.944	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6972	2.910	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6967	2.927	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4935	4.836	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4990	4.865	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4966	4.861	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5015	4.855	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4956	4.888	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4970	4.879	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9631	9.530	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9778	9.548	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9633	9.517	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9706	9.517	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9752	9.562	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9516	9.515	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.395	14.19	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.472	14.27	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.453	14.25	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.391	14.22	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.480	14.25	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.435	14.26	PASS

Band4	20MHz	QPSK	20050	100RB#0	17.801	18.90	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.969	18.96	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.921	18.94	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.806	18.90	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.982	18.99	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.910	18.96	PASS

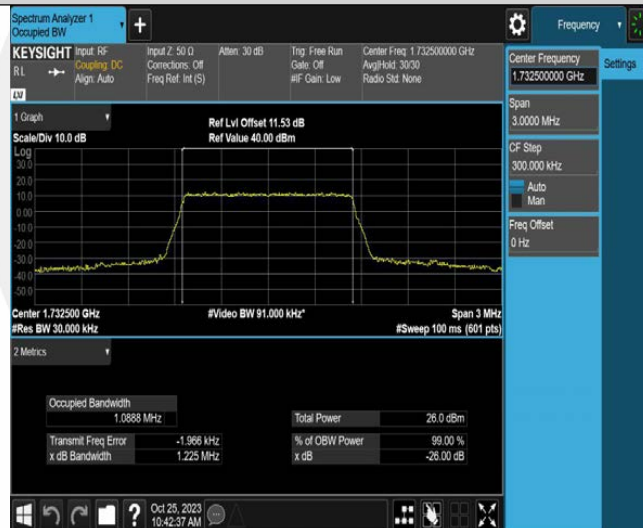


Test Graphs

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



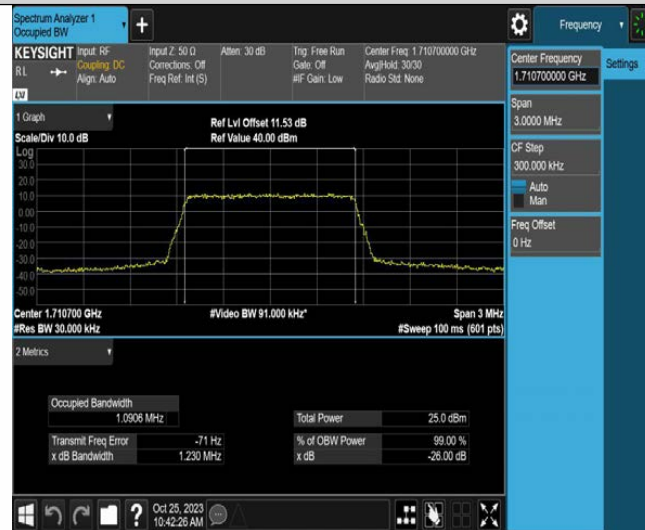
Band4-1.4MHz-QPSK-20175-6RB#0



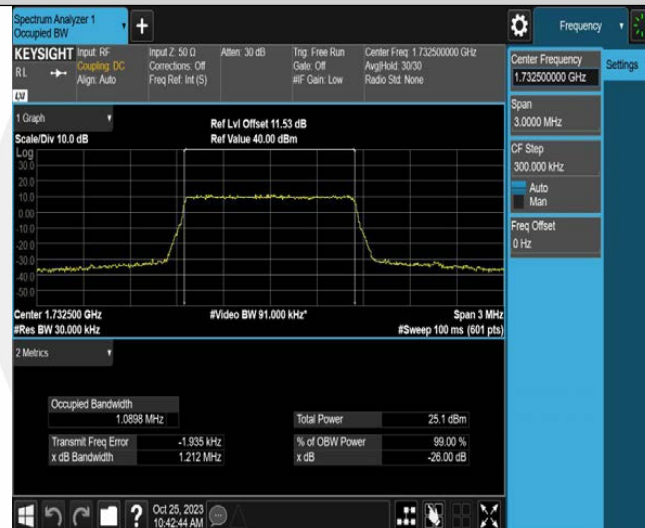
Band4-1.4MHz-QPSK-20393-6RB#0



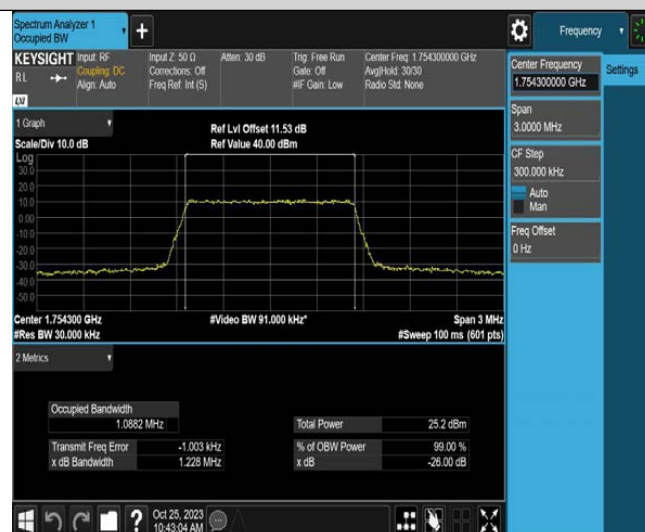
Band4-1.4MHz-16QAM-19957-6RB#0



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



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



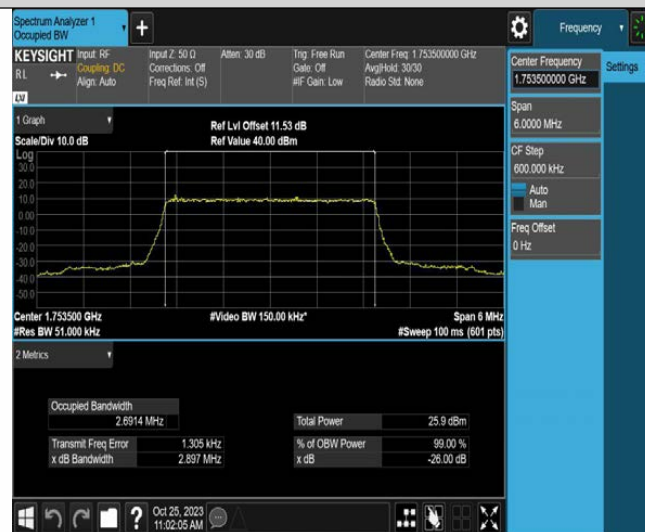
Band4-3MHz-QPSK-19965-15RB#0



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



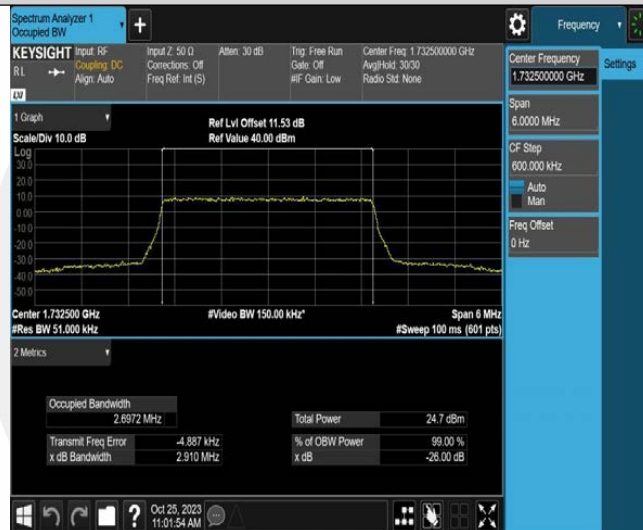
Band4-3MHz-QPSK-20385-15RB#0



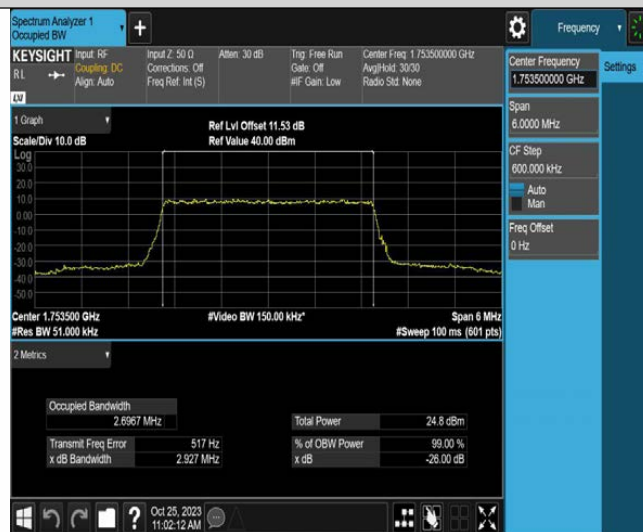
Band4-3MHz-16QAM-19965-15RB#0



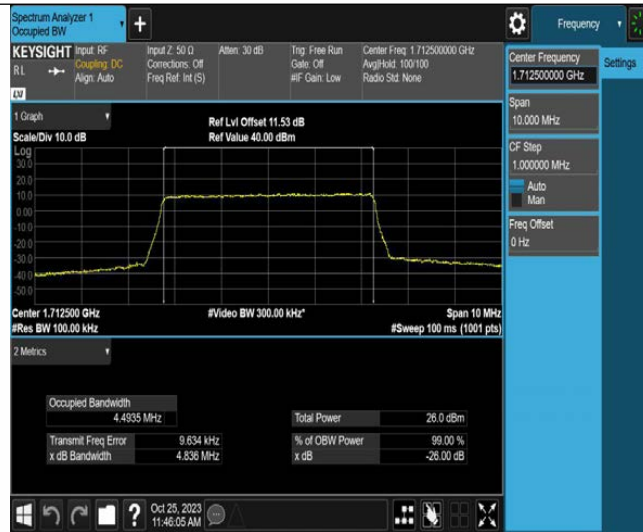
Band4-3MHz-16QAM-20175-15RB#0



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



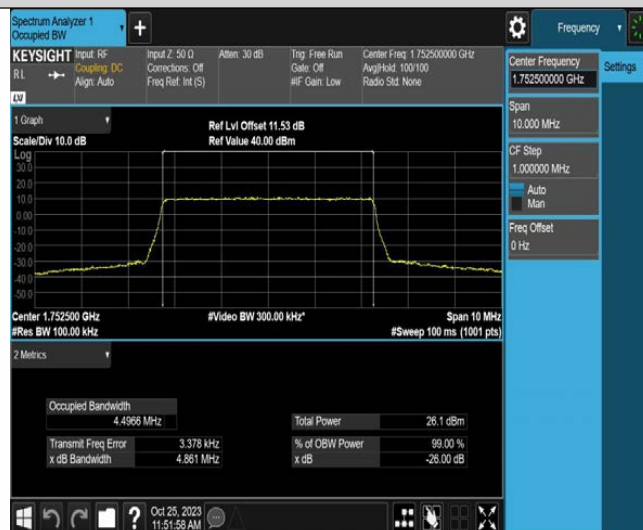
Band4-5MHz-QPSK-19975-25RB#0



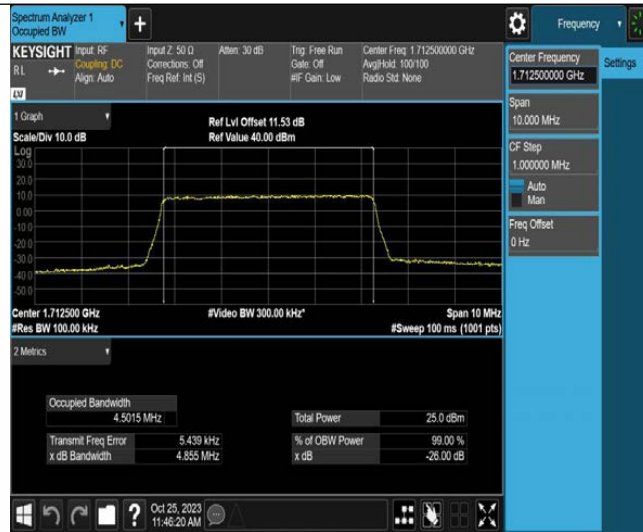
Band4-5MHz-QPSK-20175-25RB#0



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



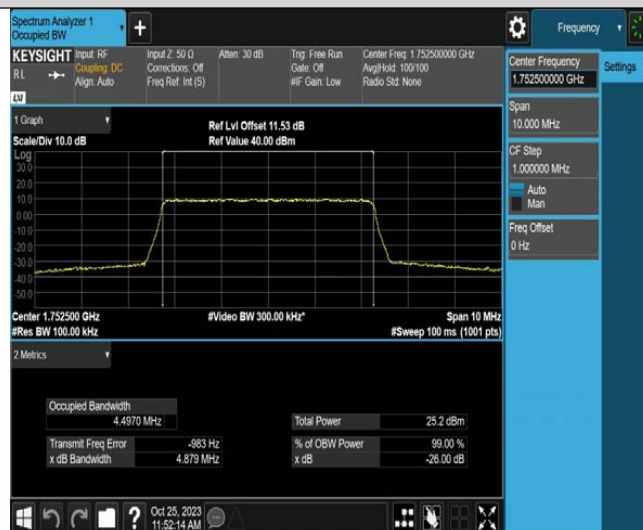
Band4-5MHz-16QAM-19975-25RB#0



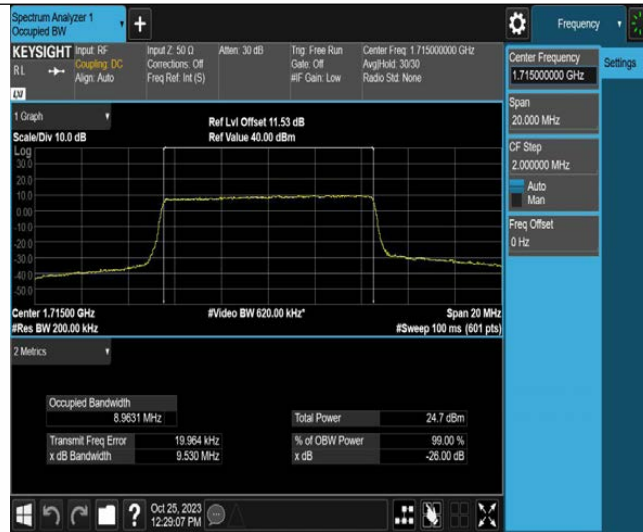
Band4-5MHz-16QAM-20175-25RB#0



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



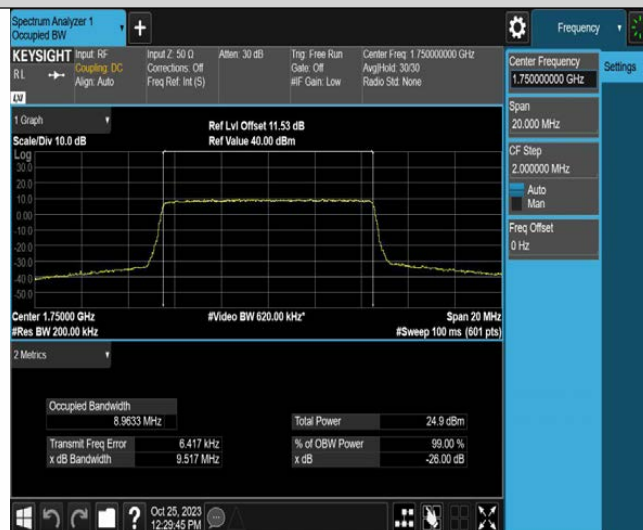
Band4-10MHz-QPSK-20000-50RB#0



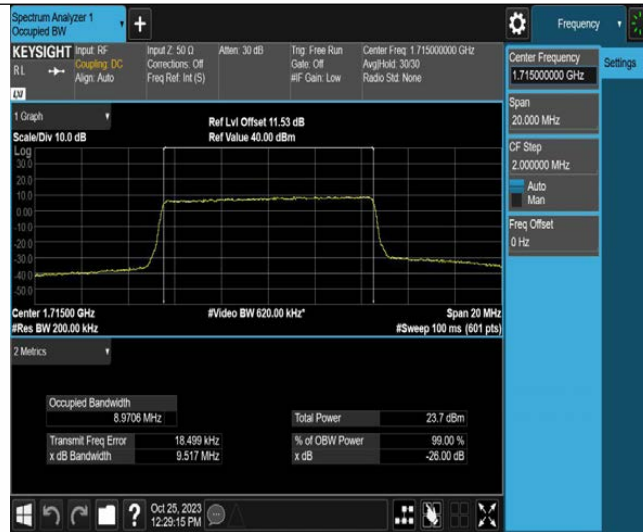
Band4-10MHz-QPSK-20175-50RB#0



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



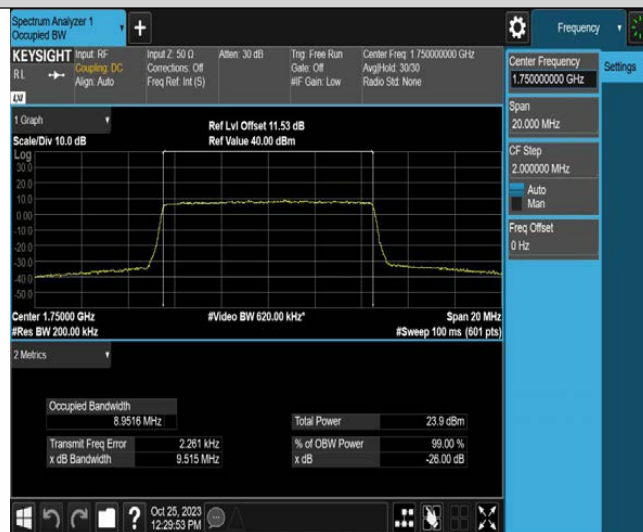
Band4-10MHz-16QAM-20000-50RB#0



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



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



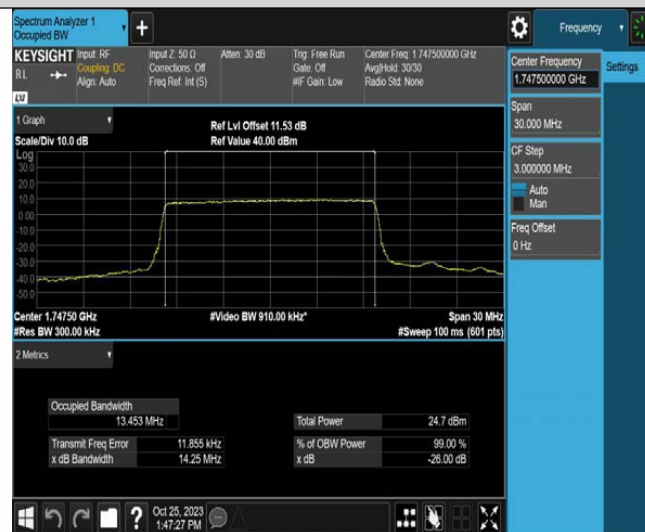
Band4-15MHz-QPSK-20025-75RB#0



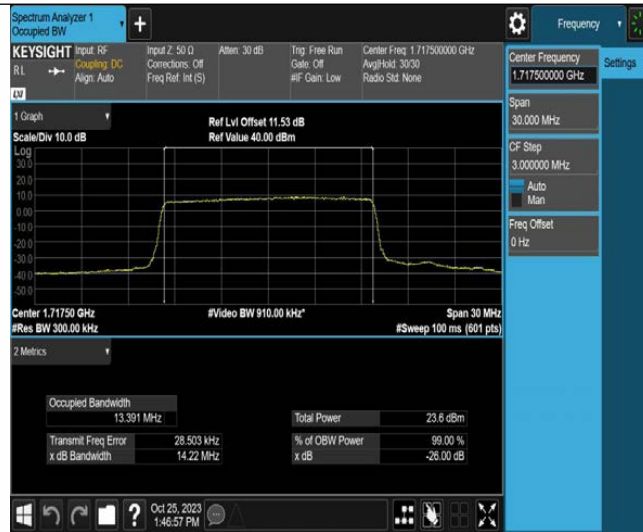
Band4-15MHz-QPSK-20175-75RB#0



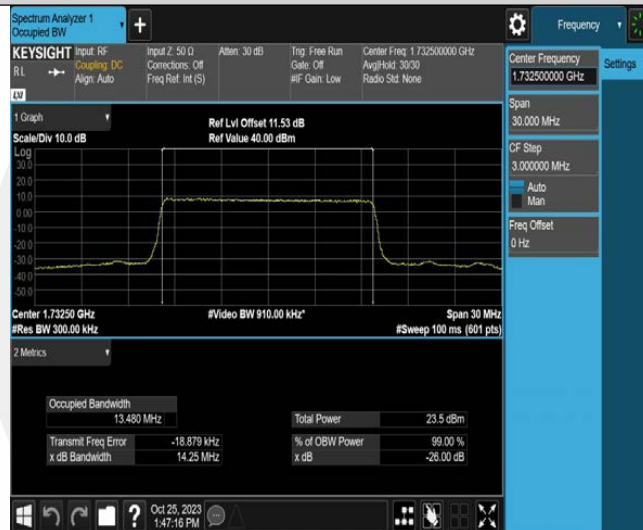
Band4-15MHz-QPSK-20325-75RB#0



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



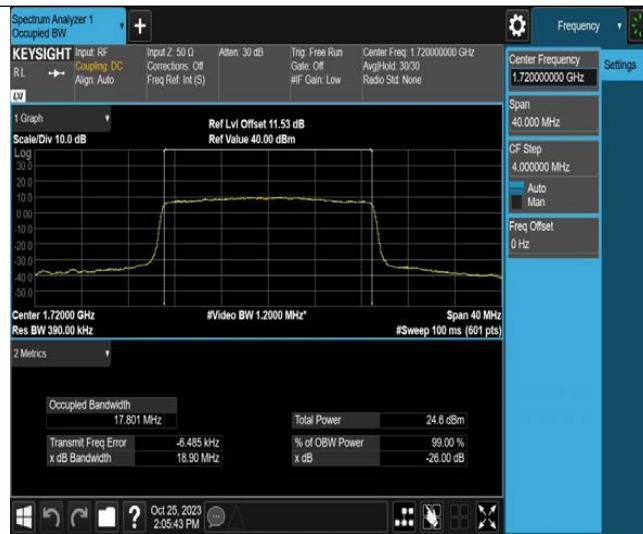
Band4-15MHz-16QAM-20175-75RB#0



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



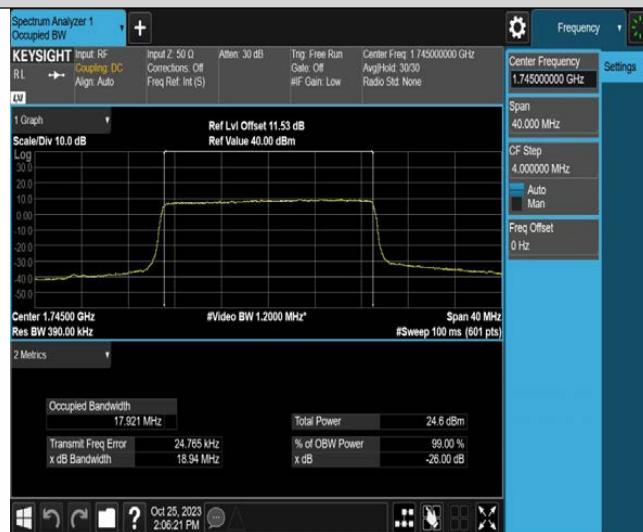
Band4-20MHz-QPSK-20050-100RB#0



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



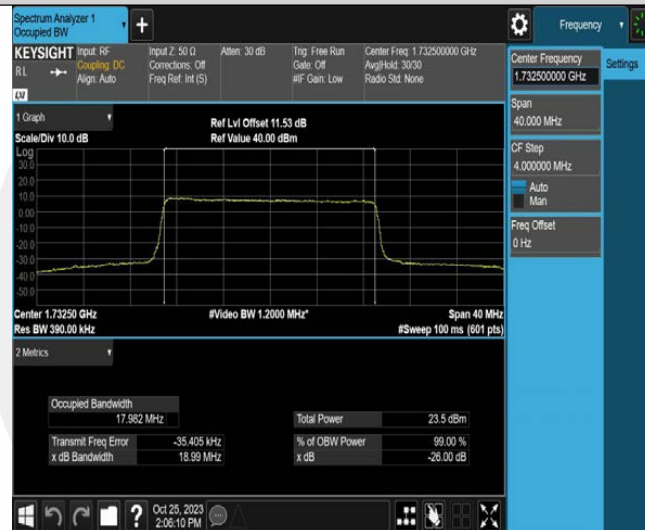
Band4-20MHz-QPSK-20300-100RB#0



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	-35.31	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-34.33	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-35.62	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-33.68	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.44	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.71	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.77	PASS
Band4	3MHz	16QAM	20385	15RB#0	-25.17	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.76	PASS
Band4	5MHz	QPSK	20375	25RB#0	-25.26	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.17	PASS
Band4	5MHz	16QAM	20375	25RB#0	-25.70	PASS
Band4	10MHz	QPSK	20000	50RB#0	-30.79	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.24	PASS
Band4	10MHz	16QAM	20000	50RB#0	-32.62	PASS
Band4	10MHz	16QAM	20350	50RB#0	-30.58	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.83	PASS
Band4	15MHz	QPSK	20325	75RB#0	-29.23	PASS
Band4	15MHz	16QAM	20025	75RB#0	-34.08	PASS
Band4	15MHz	16QAM	20325	75RB#0	-30.62	PASS
Band4	20MHz	QPSK	20050	100RB#0	-31.68	PASS
Band4	20MHz	QPSK	20300	100RB#0	-29.72	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.70	PASS
Band4	20MHz	16QAM	20300	100RB#0	-30.94	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



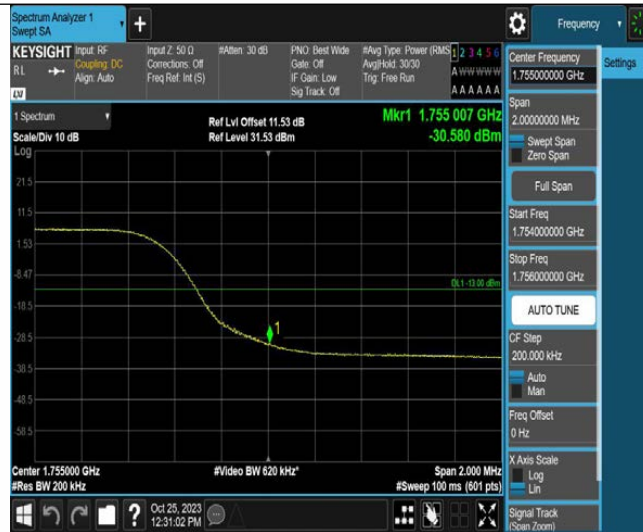
Band4-10MHz-QPSK-20350-50RB#0



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



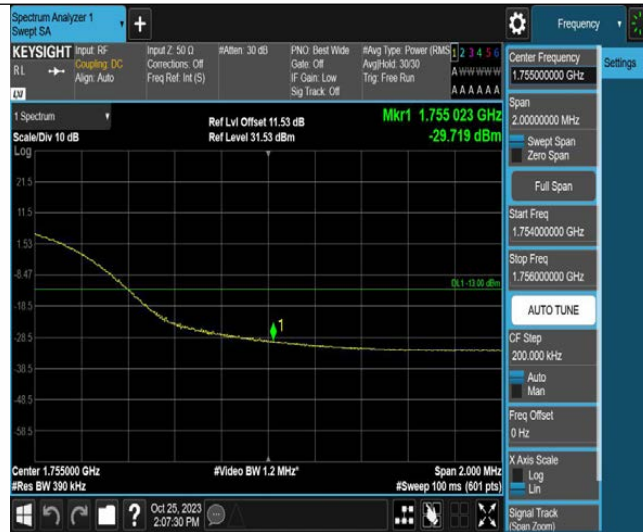
Band4-15MHz-16QAM-20325-75RB#0



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	1RB#0	Range1:30~1000MHz	-45.46	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~2000MHz	-42.47	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:2000~20000MHz	-37.27	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.65	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-42.22	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.26	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-45.49	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~2000MHz	-41.53	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:2000~20000MHz	-36.66	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-44.53	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~2000MHz	-42.13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:2000~20000MHz	-38.15	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.66	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.56	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.51	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-45.34	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~	-42.4	PASS

					2000MHz		
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:2000~20000MHz	-37.39	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-45.54	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~2000MHz	-42.47	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:2000~20000MHz	-42.03	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.19	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.74	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-40.25	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-44.37	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~2000MHz	-41.59	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:2000~20000MHz	-38.78	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-45.85	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~2000MHz	-41.12	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:2000~20000MHz	-35.71	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.93	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-41.78	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.14	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-45.17	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~2000MHz	-42.29	PASS

Band4	3MHz	16QAM	20385	1RB#0	Range3:2000~20000MHz	-33.57	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-44.77	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~2000MHz	-42.52	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:2000~20000MHz	-38.24	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.93	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-40.4	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.56	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-44.93	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~2000MHz	-40.97	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:2000~20000MHz	-41.53	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-44.84	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~2000MHz	-42.41	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:2000~20000MHz	-35.21	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-44.44	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-41.06	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-41.98	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-45.88	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~2000MHz	-41.78	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:2000~	-37.93	PASS

					20000MHz		
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-45.62	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~2000MHz	-42.22	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:2000~20000MHz	-38.51	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.62	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-42.66	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.48	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-45.94	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~2000MHz	-42.35	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:2000~20000MHz	-40.64	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-45.68	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~2000MHz	-41.68	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:2000~20000MHz	-37.16	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.72	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-41.52	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.43	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-44.47	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~2000MHz	-42.48	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:2000~20000MHz	-39.94	PASS

Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-45.79	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~2000MHz	-41.81	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:2000~20000MHz	-39.9	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-44.92	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-39.74	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-39.76	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-45.25	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~2000MHz	-41.7	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:2000~20000MHz	-42.41	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-45.16	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~2000MHz	-41.57	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:2000~20000MHz	-40.77	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-44.82	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-41.28	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-41.95	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-45.62	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~2000MHz	-41.34	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:2000~20000MHz	-40.62	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-45.54	PASS

					00MHz		
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~2000MHz	-40.63	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000~20000MHz	-42.37	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.22	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-42.08	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-39.05	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-45.15	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-42.35	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-40.38	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-44.35	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-41.38	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-42.1	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-46.04	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.43	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.86	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-45.78	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-42.09	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-41.07	PASS

Test Graphs

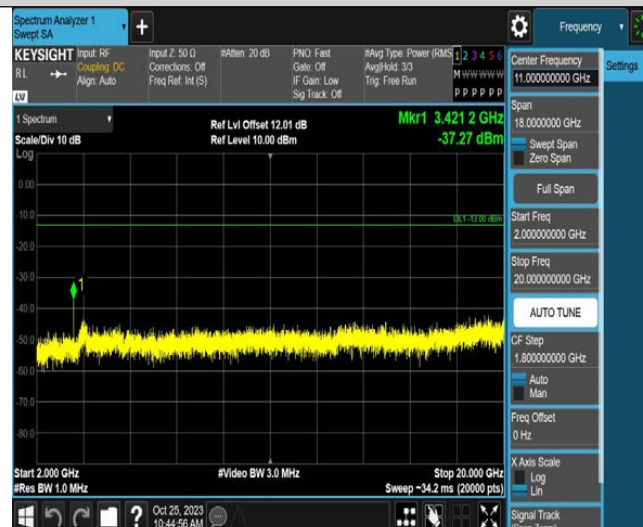
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-19957-1RB#0-Range3:2000~20000MHz



Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz



Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~2000MHz



Band4-1.4MHz-QPSK-20393-1RB#0-Range3:2000~20000MHz



Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz



Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~2000MHz



Band4-1.4MHz-16QAM-19957-1RB#0-Range3:2000~20000MHz



Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz