

LTE Band 4 Test Data

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	23.04	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.91	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.01	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.85	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.84	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.96	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.95	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.88	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.81	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.82	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.78	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.78	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.84	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.91	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.71	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.56	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.66	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.63	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.63	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.63	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.74	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.20	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.06	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.16	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.75	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.83	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.86	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.10	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.07	PASS

Band4	1.4MHz	16QAM	20175	1RB#2	22.07	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.09	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.84	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.83	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.86	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.03	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.92	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.92	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.02	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.66	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.66	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.66	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.67	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.88	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.87	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.70	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.81	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.82	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.87	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.88	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.71	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.80	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.70	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.87	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.88	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.93	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.91	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.56	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.58	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.57	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.61	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.62	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.70	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.63	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.02	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.04	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.92	PASS

Band4	3MHz	16QAM	19965	8RB#0	21.06	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.06	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.02	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.04	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.92	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.09	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.03	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.01	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.96	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.02	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.95	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.80	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.89	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.86	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.67	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.66	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.69	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.63	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.92	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.91	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.70	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.82	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.83	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.83	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.83	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.70	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.95	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.74	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.85	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.86	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.95	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.91	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.67	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.69	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.60	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.72	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.74	PASS

Band4	5MHz	QPSK	20375	12RB#13	21.69	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.63	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.83	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.96	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.78	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.97	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.97	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.91	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.92	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.82	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.06	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.92	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.88	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.88	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.97	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.93	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.96	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.02	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.93	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.75	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.76	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.80	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.67	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.82	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.70	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.40	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.73	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.73	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.60	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.63	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.51	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.82	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.68	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.72	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.72	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.83	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.76	PASS

Band4	10MHz	QPSK	20350	1RB#0	22.53	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.69	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.48	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.69	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.71	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.65	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.59	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.83	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.93	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.66	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.81	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.81	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.65	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.68	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.67	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.16	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.92	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.72	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.72	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.88	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.81	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.82	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.97	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.74	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.75	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.75	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.65	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.67	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.79	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.61	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.59	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.69	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.69	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.68	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.68	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.63	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.86	PASS

Band4	15MHz	QPSK	20175	1RB#74	22.73	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.84	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.83	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.83	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.83	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.57	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.76	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.54	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.75	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.76	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.76	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.97	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.92	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.83	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.69	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.68	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.68	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.61	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.89	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.14	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.05	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.83	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.83	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.83	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.82	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.90	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.16	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.97	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.76	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.76	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.76	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.79	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.90	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.64	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.63	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.62	PASS

Band4	20MHz	QPSK	20050	50RB#25	21.62	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.62	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.56	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.64	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.98	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.80	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.73	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.73	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.87	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.78	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.70	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.89	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.62	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.78	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.80	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.73	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.76	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.87	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.79	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.72	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.67	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.67	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.63	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.61	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.70	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.10	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.88	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.70	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.70	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.90	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.78	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.93	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.16	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.90	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.83	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.84	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.76	PASS

Band4	20MHz	16QAM	20300	100RB#0	20.77	PASS
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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	5.52	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.73	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.28	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.17	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.29	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.06	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.53	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.67	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.25	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.29	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.43	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.06	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.42	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.64	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.23	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.14	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.27	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.97	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.27	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.52	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.11	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.00	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.26	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.89	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.65	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.86	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.43	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.16	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.35	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.98	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.51	13	PASS

Band4	20MHz	QPSK	20175	100RB#0	5.54	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.31	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.23	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.30	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.02	13	PASS



Test Graphs

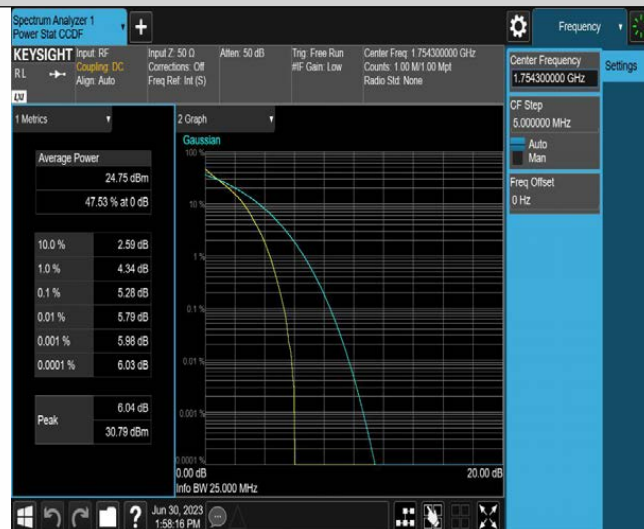
Band4-1.4MHz-QPSK-19957-6RB#0



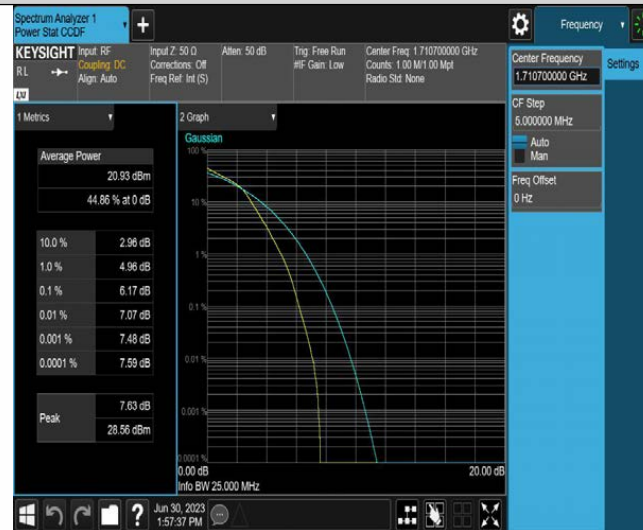
Band4-1.4MHz-QPSK-20175-6RB#0



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



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



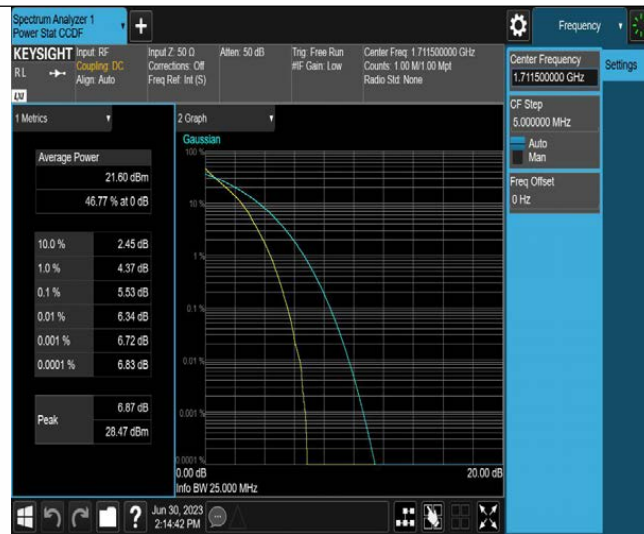
Band4-1.4MHz-16QAM-20175-6RB#0



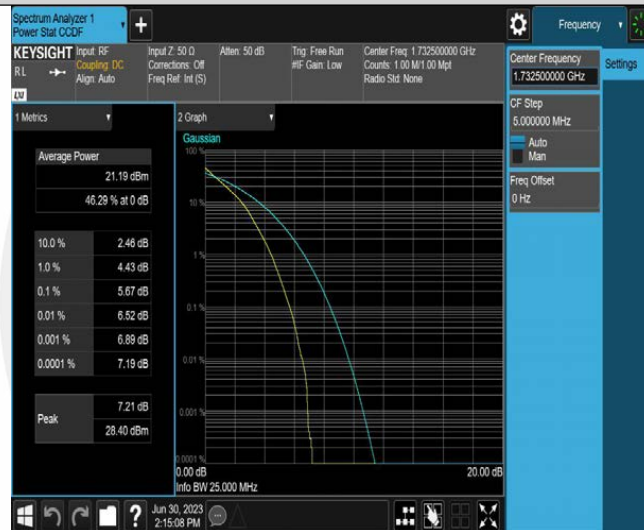
Band4-1.4MHz-16QAM-20393-6RB#0



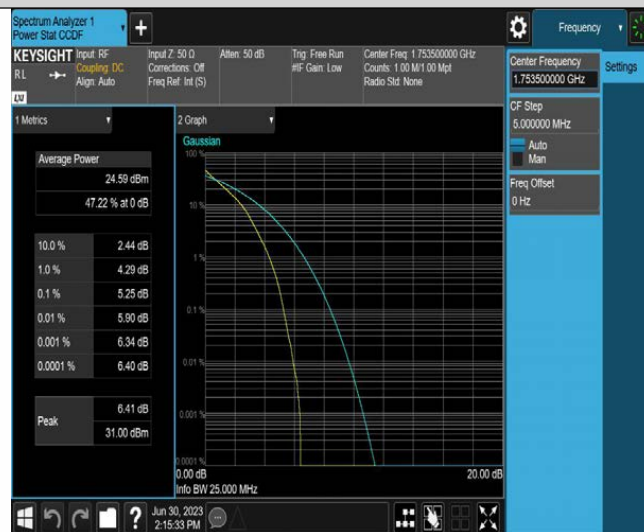
Band4-3MHz-QPSK-19965-15RB#0



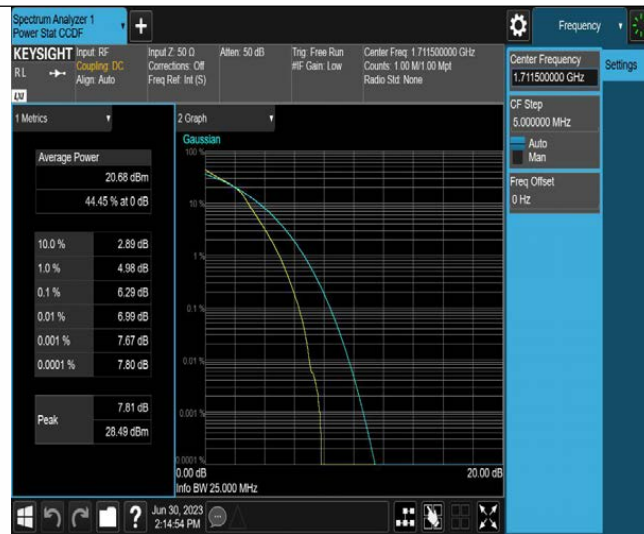
Band4-3MHz-QPSK-20175-15RB#0



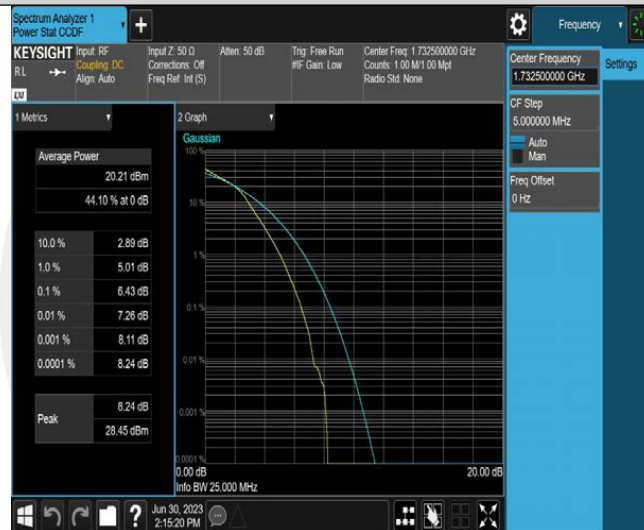
Band4-3MHz-QPSK-20385-15RB#0



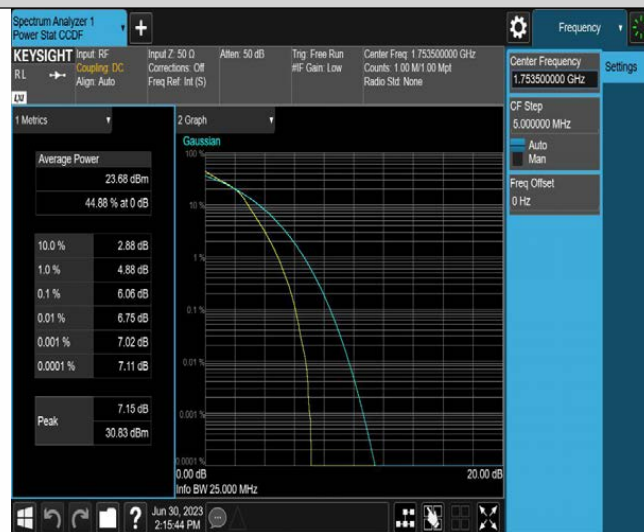
Band4-3MHz-16QAM-19965-15RB#0



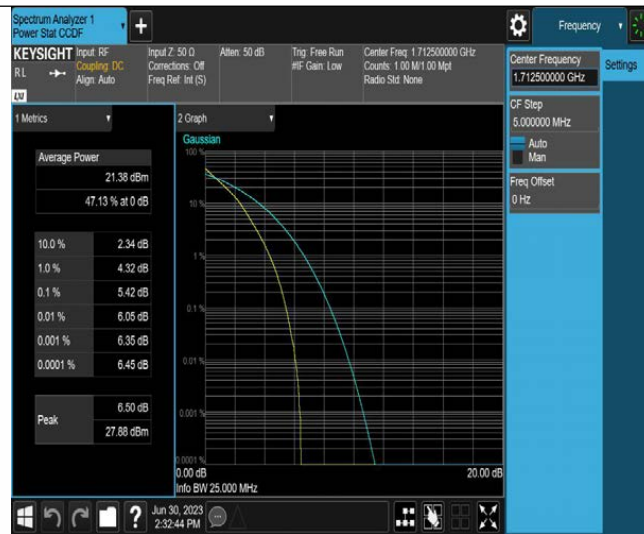
Band4-3MHz-16QAM-20175-15RB#0



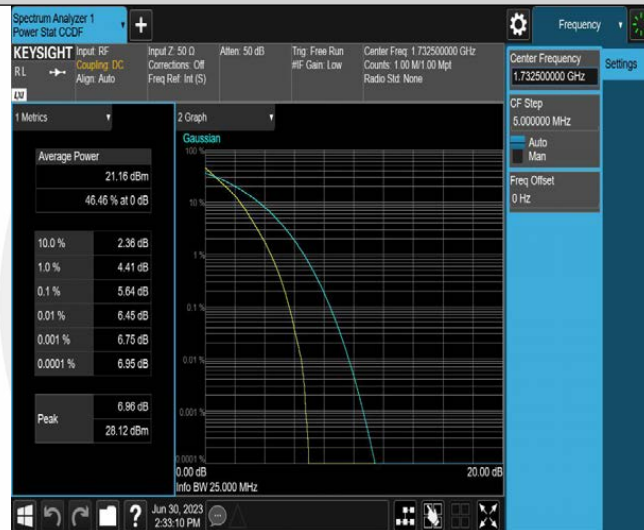
Band4-3MHz-16QAM-20385-15RB#0



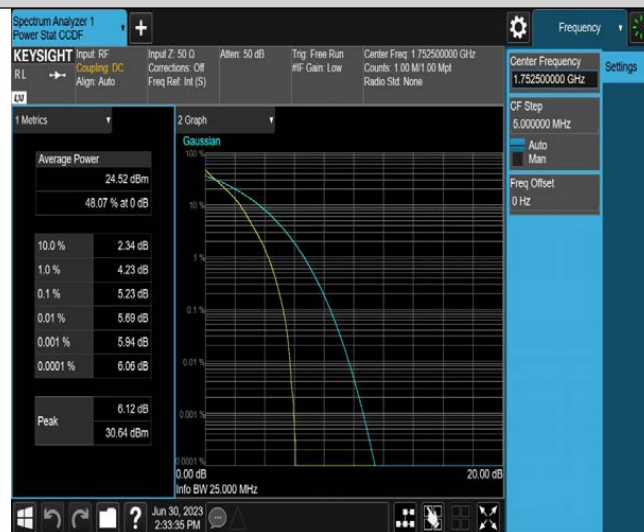
Band4-5MHz-QPSK-19975-25RB#0



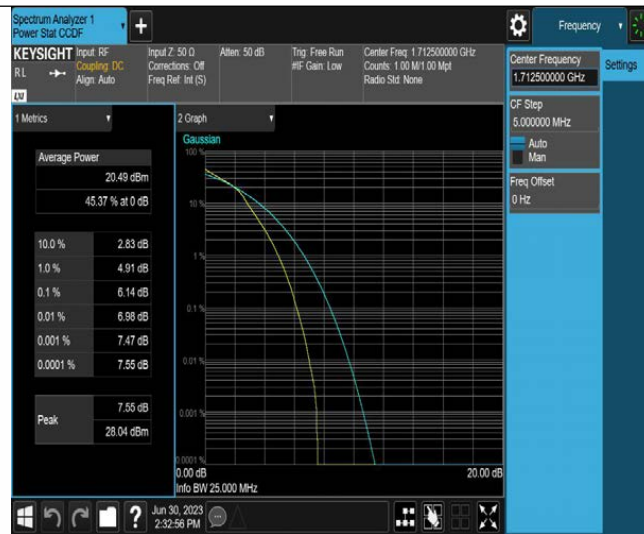
Band4-5MHz-QPSK-20175-25RB#0



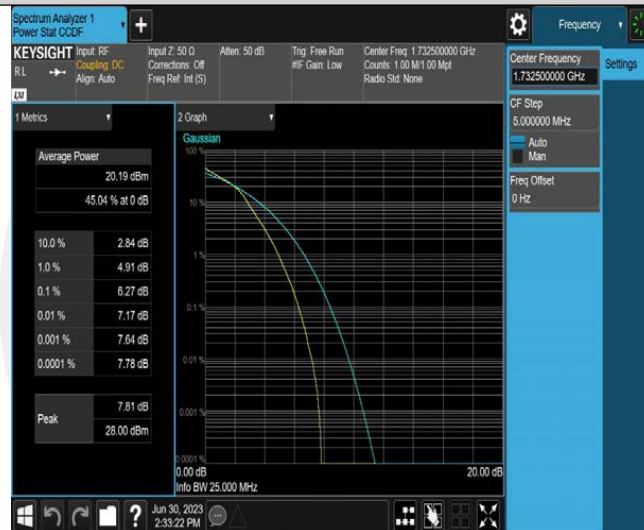
Band4-5MHz-QPSK-20375-25RB#0



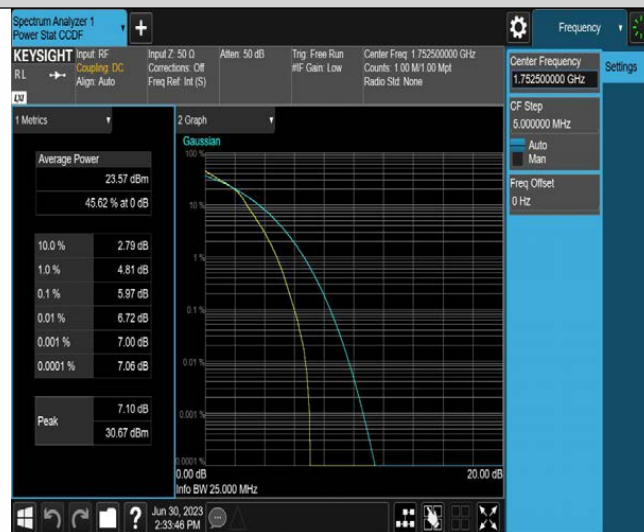
Band4-5MHz-16QAM-19975-25RB#0



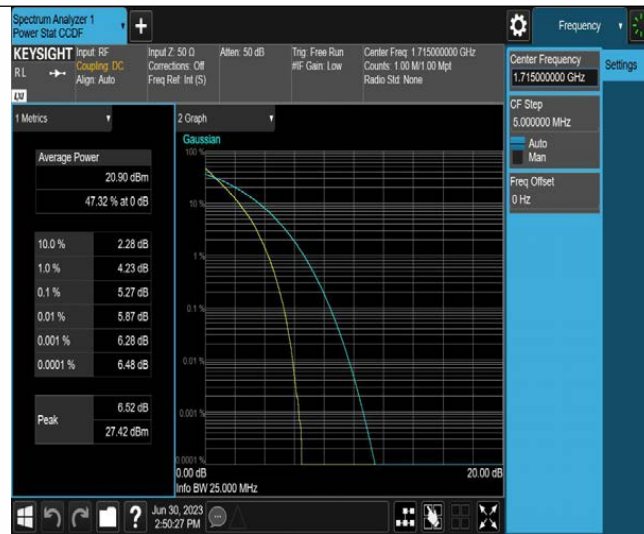
Band4-5MHz-16QAM-20175-25RB#0



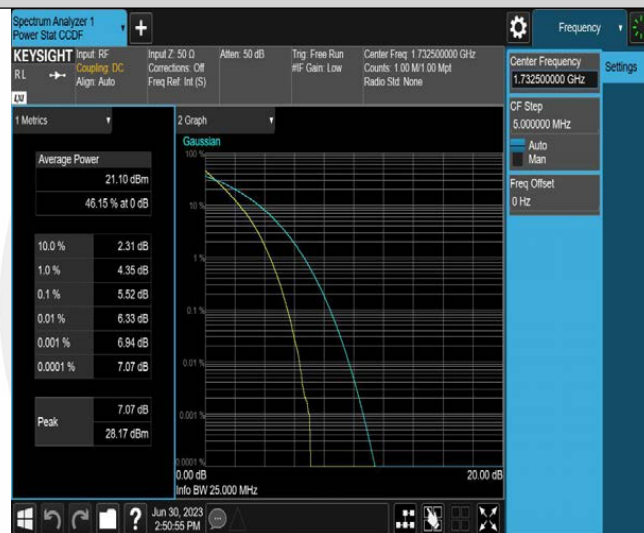
Band4-5MHz-16QAM-20375-25RB#0



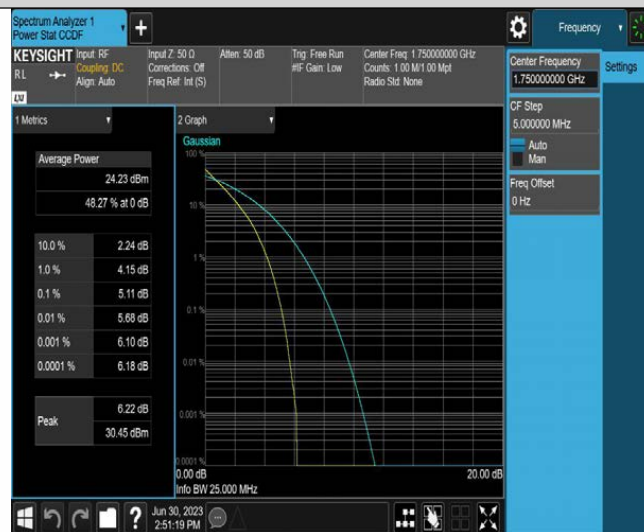
Band4-10MHz-QPSK-20000-50RB#0



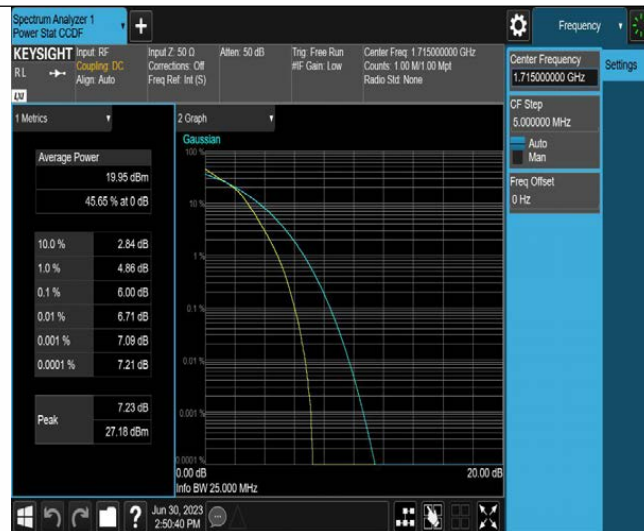
Band4-10MHz-QPSK-20175-50RB#0



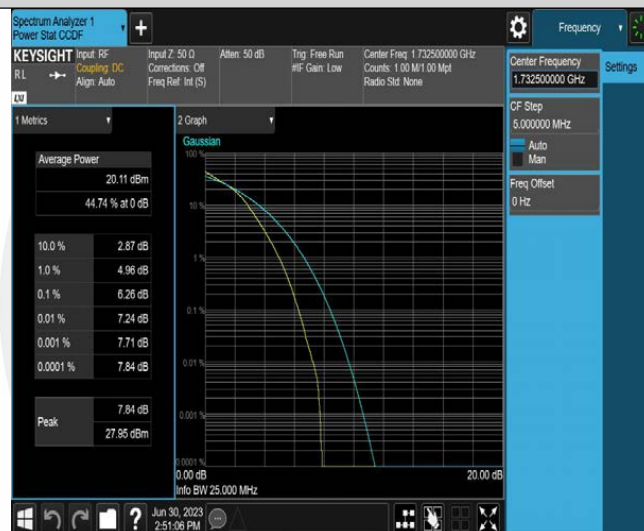
Band4-10MHz-QPSK-20350-50RB#0



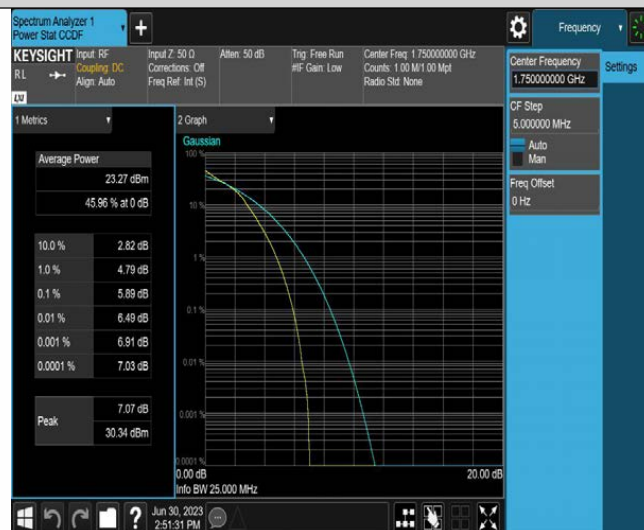
Band4-10MHz-16QAM-20000-50RB#0



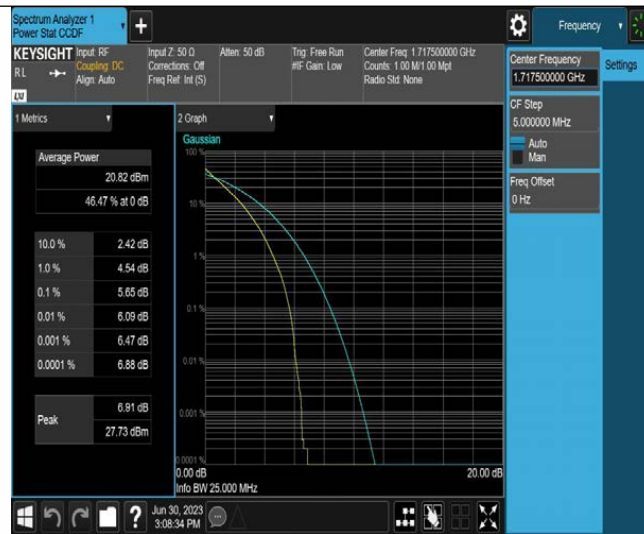
Band4-10MHz-16QAM-20175-50RB#0



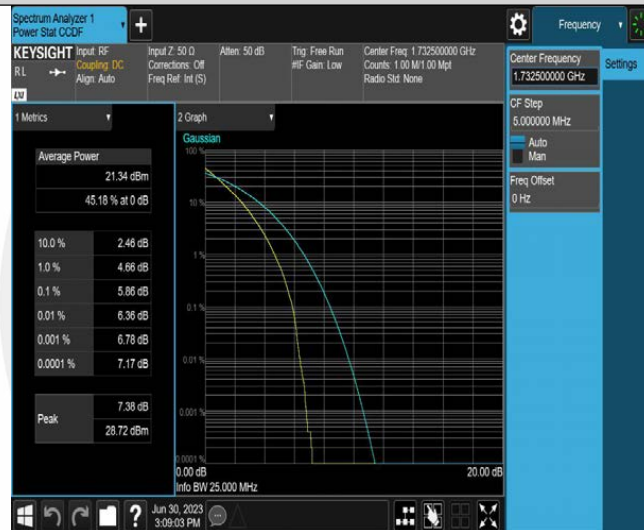
Band4-10MHz-16QAM-20350-50RB#0



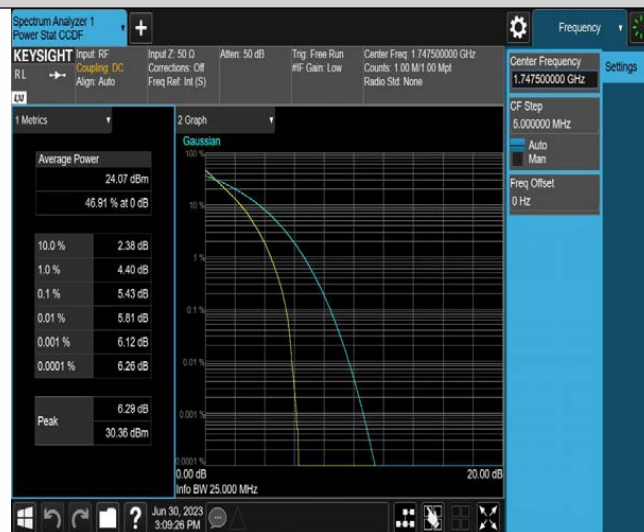
Band4-15MHz-QPSK-20025-75RB#0



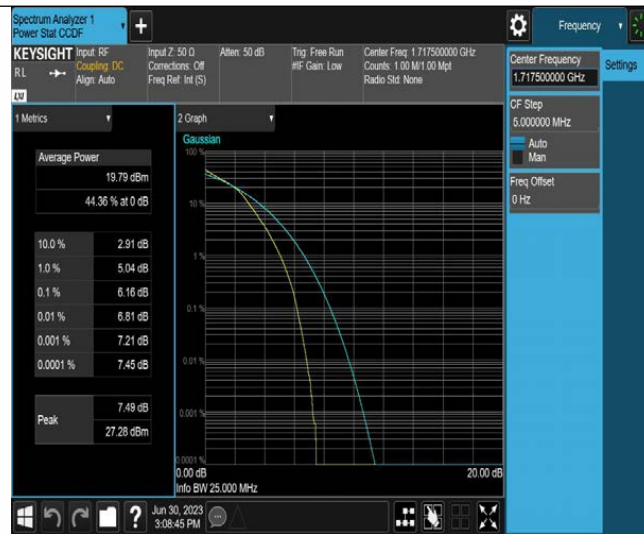
Band4-15MHz-QPSK-20175-75RB#0



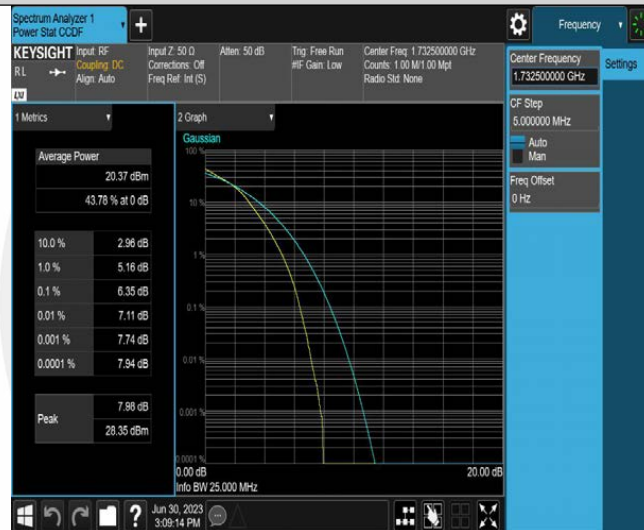
Band4-15MHz-QPSK-20325-75RB#0



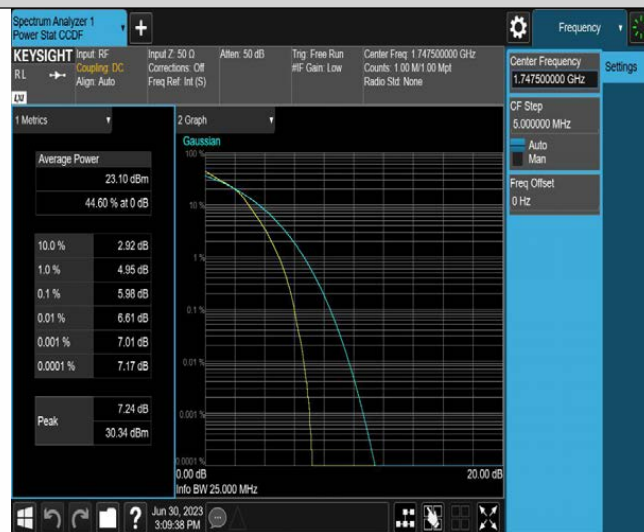
Band4-15MHz-16QAM-20025-75RB#0



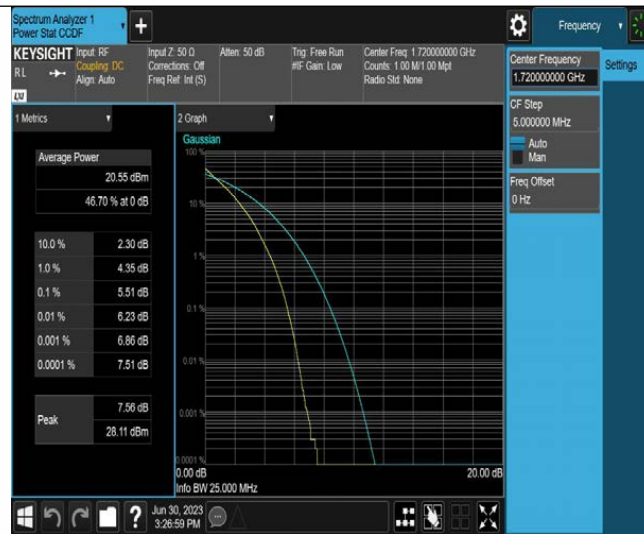
Band4-15MHz-16QAM-20175-75RB#0



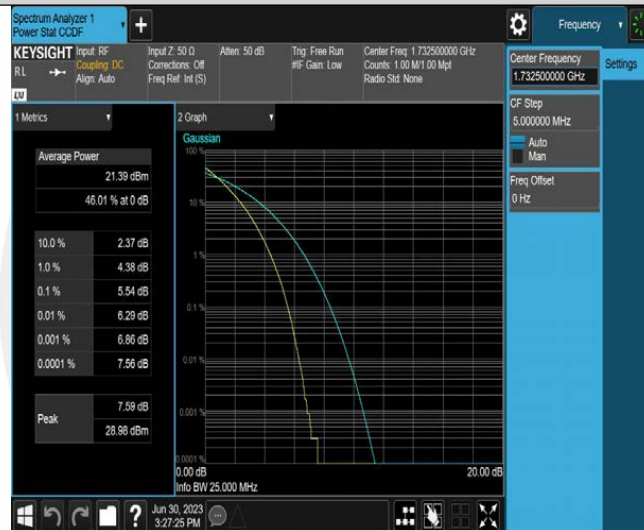
Band4-15MHz-16QAM-20325-75RB#0



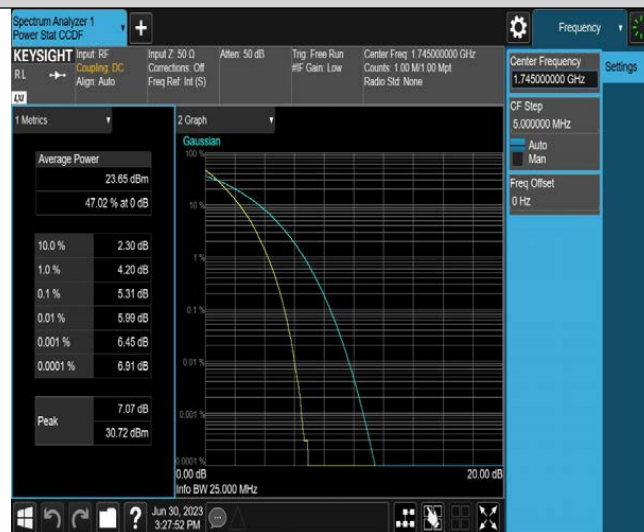
Band4-20MHz-QPSK-20050-100RB#0



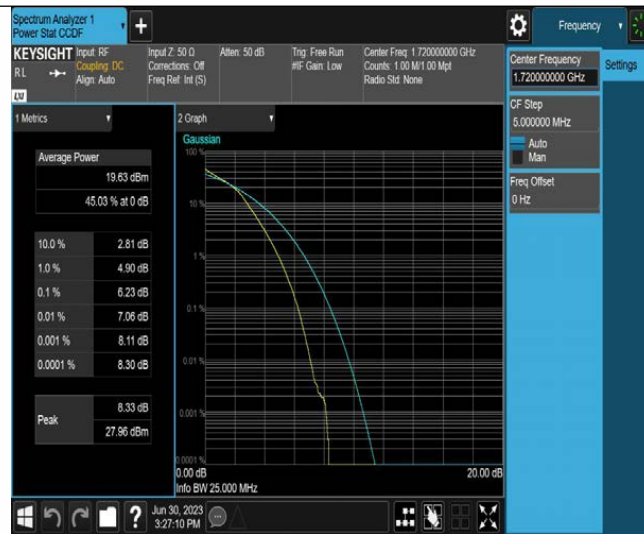
Band4-20MHz-QPSK-20175-100RB#0



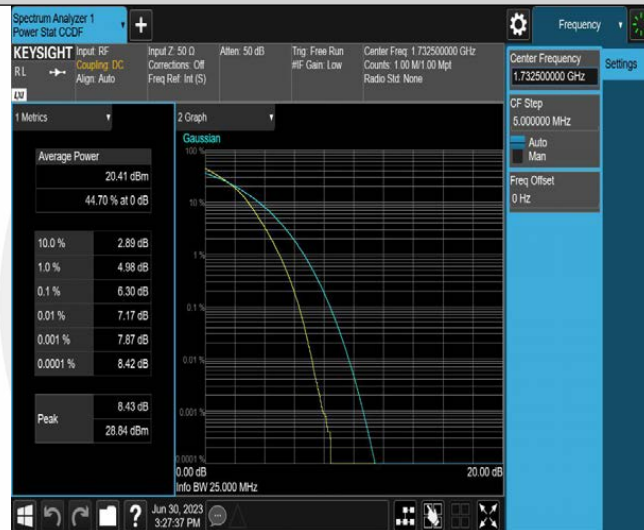
Band4-20MHz-QPSK-20300-100RB#0



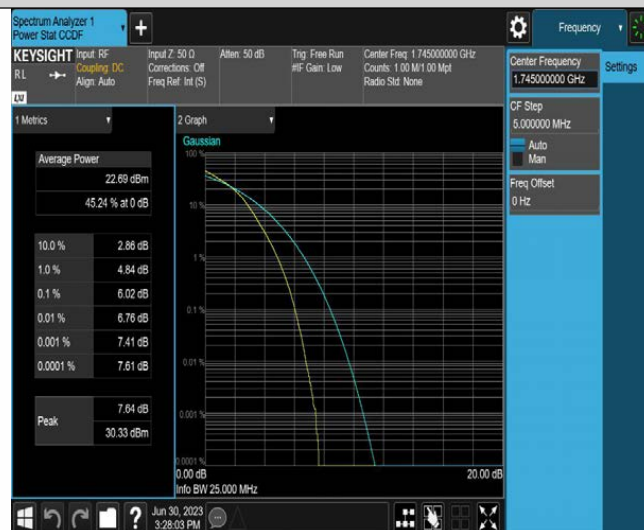
Band4-20MHz-16QAM-20050-100RB#0



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



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

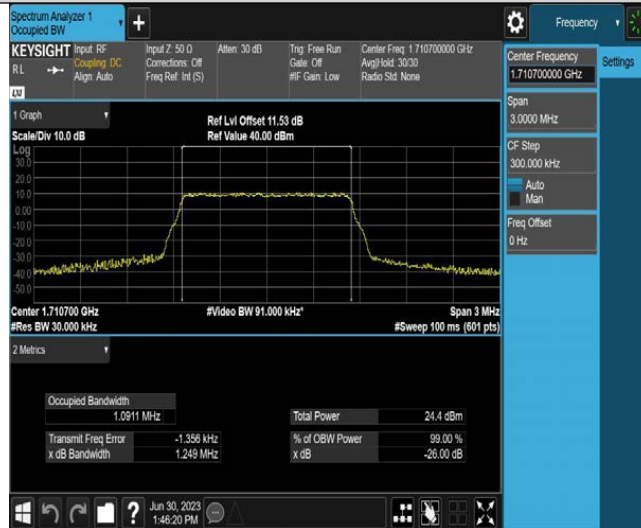
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0911	1.249	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0903	1.246	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0959	1.245	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0933	1.256	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0930	1.257	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0945	1.254	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6898	2.877	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6928	2.871	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6979	2.888	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6913	2.890	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6895	2.888	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6903	2.886	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4941	4.805	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4975	4.805	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4927	4.793	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5002	4.794	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4967	4.788	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4982	4.819	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9722	9.532	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9765	9.517	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9645	9.510	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9616	9.505	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9535	9.504	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9673	9.518	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.470	14.28	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.470	14.26	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.437	14.22	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.455	14.23	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.453	14.23	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.430	14.22	PASS

Band4	20MHz	QPSK	20050	100RB#0	17.929	18.98	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.934	18.95	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.879	18.95	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.940	19.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.931	18.95	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.888	18.94	PASS

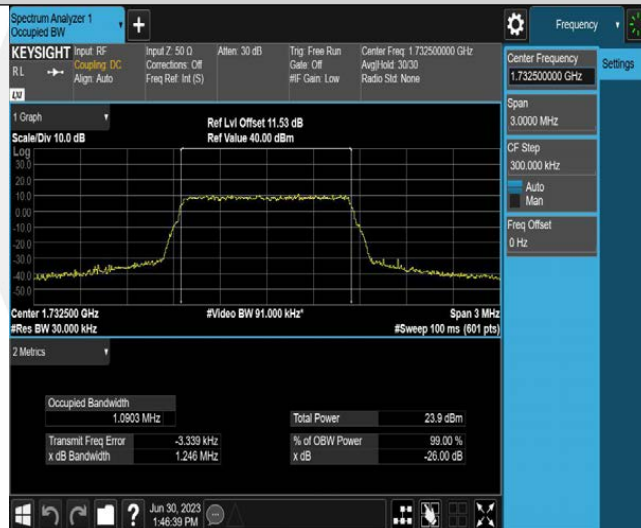


Test Graphs

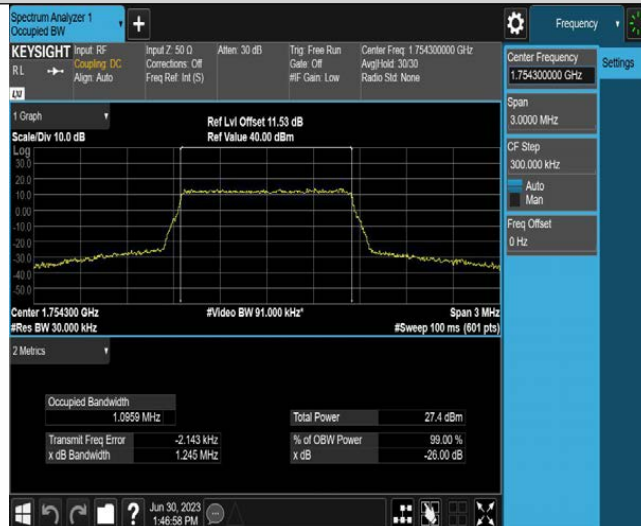
Band4-1.4MHz-QPSK-19957-6RB#0



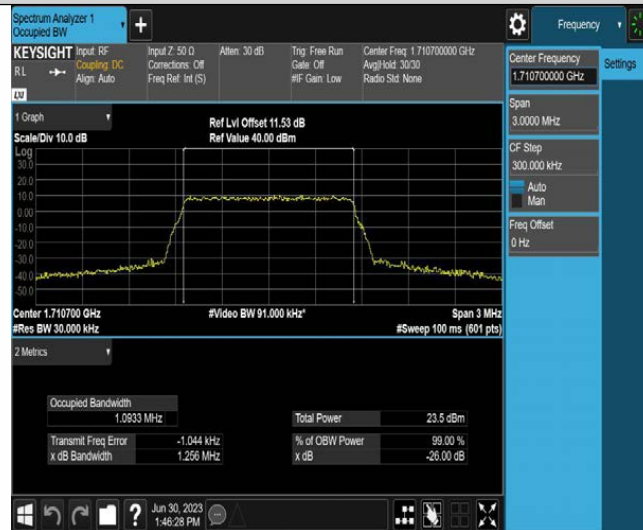
Band4-1.4MHz-QPSK-20175-6RB#0



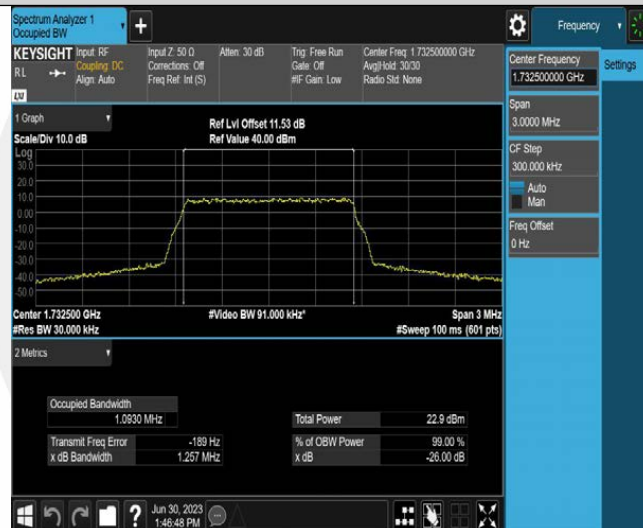
Band4-1.4MHz-QPSK-20393-6RB#0



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



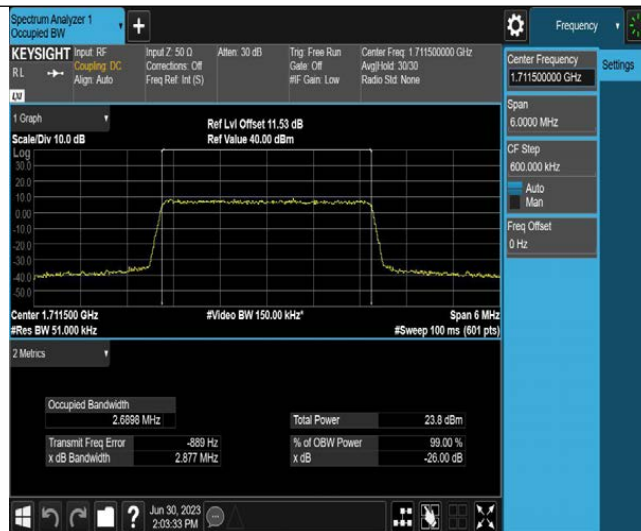
Band4-1.4MHz-16QAM-20175-6RB#0



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



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



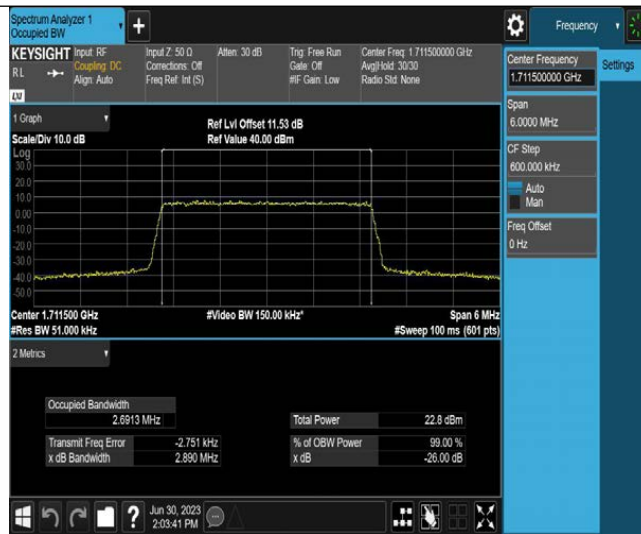
Band4-3MHz-QPSK-20175-15RB#0



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



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





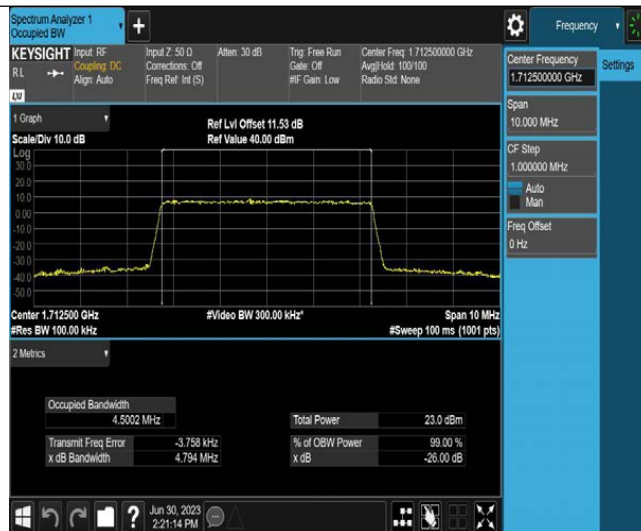
Band4-5MHz-QPSK-20175-25RB#0



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



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





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



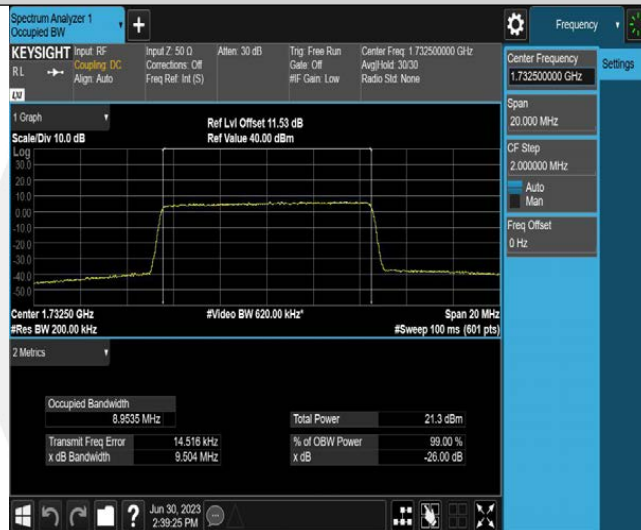
Band4-10MHz-QPSK-20350-50RB#0



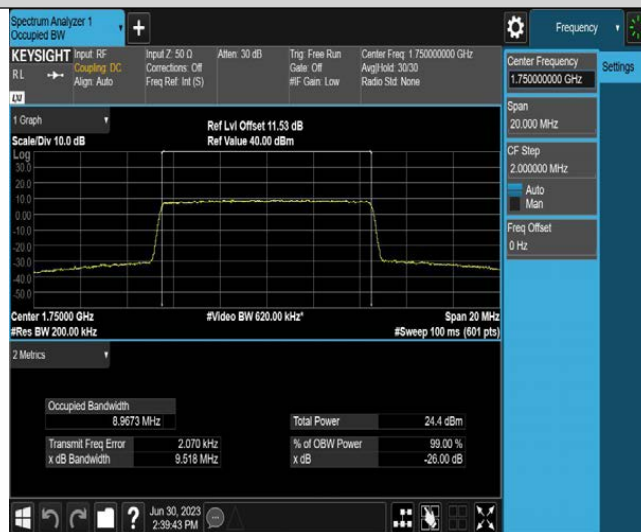
Band4-10MHz-16QAM-20000-50RB#0



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



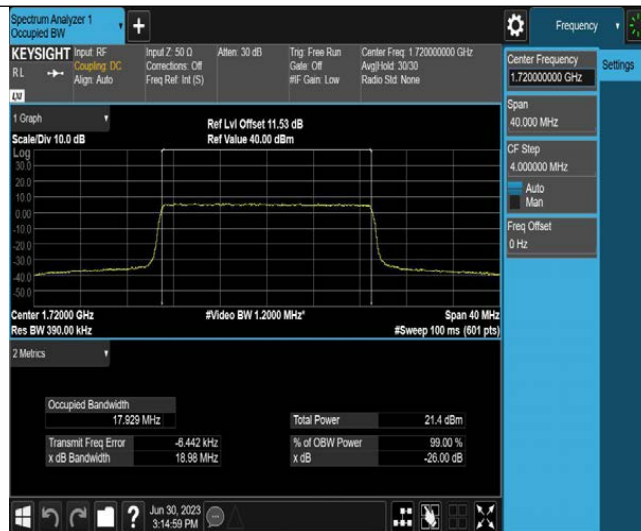
Band4-15MHz-16QAM-20175-75RB#0



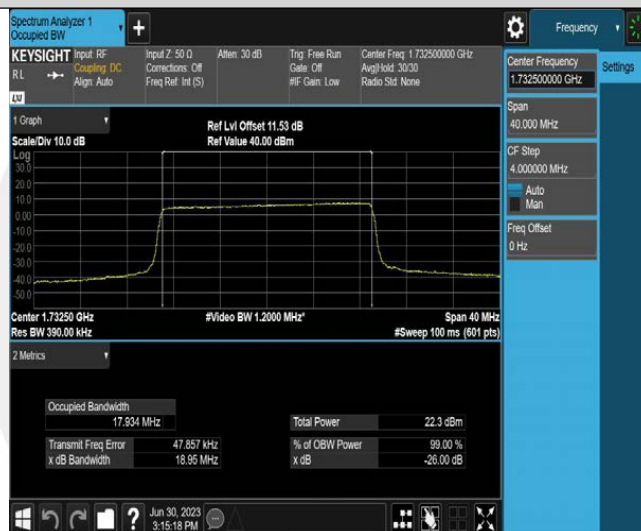
Band4-15MHz-16QAM-20325-75RB#0



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



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



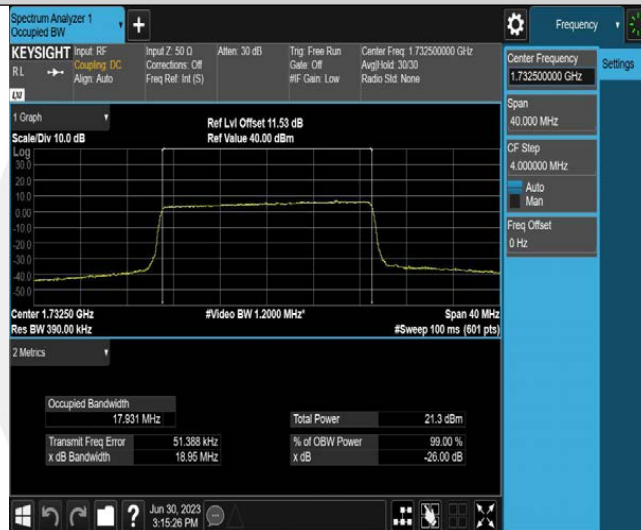
Band4-20MHz-QPSK-20300-100RB#0



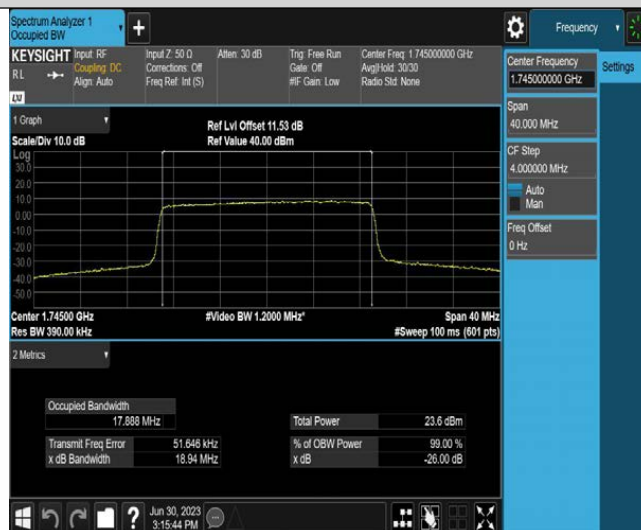
Band4-20MHz-16QAM-20050-100RB#0



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	-34.01	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-29.10	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-35.08	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-30.64	PASS
Band4	3MHz	QPSK	19965	15RB#0	-34.98	PASS
Band4	3MHz	QPSK	20385	15RB#0	-30.48	PASS
Band4	3MHz	16QAM	19965	15RB#0	-35.84	PASS
Band4	3MHz	16QAM	20385	15RB#0	-31.40	PASS
Band4	5MHz	QPSK	19975	25RB#0	-34.43	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.85	PASS
Band4	5MHz	16QAM	19975	25RB#0	-36.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	-30.94	PASS
Band4	10MHz	QPSK	20000	50RB#0	-33.91	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.96	PASS
Band4	10MHz	16QAM	20000	50RB#0	-35.55	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.04	PASS
Band4	15MHz	QPSK	20025	75RB#0	-33.04	PASS
Band4	15MHz	QPSK	20325	75RB#0	-29.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	-34.84	PASS
Band4	15MHz	16QAM	20325	75RB#0	-30.31	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.74	PASS
Band4	20MHz	QPSK	20300	100RB#0	-28.75	PASS
Band4	20MHz	16QAM	20050	100RB#0	-34.79	PASS
Band4	20MHz	16QAM	20300	100RB#0	-29.41	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	-45.45	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~2000MHz	-42.83	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:2000~20000MHz	-41.77	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.85	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-42.63	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.67	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-44.42	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~2000MHz	-41.95	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:2000~20000MHz	-39.65	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-45.21	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~2000MHz	-41.94	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:2000~20000MHz	-41.94	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-46.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.07	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-41.34	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-45.46	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~	-41.97	PASS

					2000MHz		
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:2000~20000MHz	-41.53	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-46.22	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~2000MHz	-41.28	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:2000~20000MHz	-42.37	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.21	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-41.25	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-43.13	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-45.64	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~2000MHz	-41.32	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:2000~20000MHz	-40.56	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-45.54	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~2000MHz	-41.18	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:2000~20000MHz	-42.42	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-46.09	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.11	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.22	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-45.57	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~2000MHz	-41.46	PASS

Band4	3MHz	16QAM	20385	1RB#0	Range3:2000~20000MHz	-39.65	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-45.71	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~2000MHz	-42.88	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:2000~20000MHz	-39.84	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.13	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-41.97	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-41.57	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-46.05	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~2000MHz	-42.47	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:2000~20000MHz	-37.46	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-46.25	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~2000MHz	-42.13	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:2000~20000MHz	-42.6	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.28	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.76	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.66	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-45.75	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~2000MHz	-42.36	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:2000~	-38.09	PASS

					20000MHz		
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~2000MHz	-41.5	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:2000~20000MHz	-41.4	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.93	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-41.53	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.39	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-45.85	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~2000MHz	-41.32	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:2000~20000MHz	-39.69	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-45.36	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~2000MHz	-42.49	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:2000~20000MHz	-42.19	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.43	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.48	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-41.97	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-45.64	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~2000MHz	-42.16	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:2000~20000MHz	-42.81	PASS

Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-45.45	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~2000MHz	-40.59	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:2000~20000MHz	-43.08	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.3	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-41.66	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.58	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-45.78	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~2000MHz	-40.96	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:2000~20000MHz	-39.38	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-45.65	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~2000MHz	-41.91	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:2000~20000MHz	-42.72	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.61	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-41.71	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-41.89	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-45.12	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~2000MHz	-42.11	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:2000~20000MHz	-42.74	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-46.03	PASS

					00MHz		
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~2000MHz	-41.89	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000~20000MHz	-42.8	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-41.93	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-42.02	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-46.05	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-42.11	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-42.67	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-44.99	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-42.45	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-42.87	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-45.99	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-42.34	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-42.69	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-45.6	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-42.48	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-42.66	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