

LTE Band4 Test Data

Report No. ENS2408260033W00207R Page 16 and Page 18

Appendix A: Effective (Isotropic) Radiated Power Output Data

Report No. ENS2408260033W00207R Page 41

Appendix B: Peak-to-Average Ratio

Report No. ENS2408260033W00207R Page 21

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Report No. ENS2408260033W00207R Page 23

Appendix D: Band Edge

Report No. ENS2408260033W00207R Page 25

Appendix E: Conducted Spurious Emission

Report No. ENS2408260033W00207R Page 40

Appendix F: Frequency Stability

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	22.84	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.93	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.87	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.88	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.87	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.81	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.87	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.97	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.09	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.03	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.98	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.96	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.94	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.06	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.87	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.92	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.89	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.91	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.90	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.87	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.85	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.04	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.07	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.85	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.83	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.83	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.95	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.19	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.21	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.98	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.02	PASS

Band4	1.4MHz	16QAM	20175	3RB#3	22.02	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.98	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.09	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.18	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.09	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.89	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.89	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.90	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.84	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.94	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.89	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.93	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.95	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.94	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.95	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.99	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.11	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.05	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.04	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.14	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.13	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.14	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.15	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.11	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.89	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.98	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.98	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.95	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.95	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.13	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.15	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.08	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.03	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.04	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.04	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.98	PASS

Band4	3MHz	16QAM	20175	1RB#0	22.29	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.03	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.19	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.19	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.18	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.19	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.11	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.17	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.15	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.10	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.07	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.91	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.96	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.96	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.92	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.91	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.95	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.97	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.06	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.11	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.03	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.05	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.04	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.01	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.02	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.89	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.99	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.86	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.89	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.93	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.91	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.92	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.21	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.08	PASS

Band4	5MHz	16QAM	19975	1RB#24	22.04	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.99	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.03	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.08	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.06	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.40	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.29	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.15	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.15	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.15	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.12	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.19	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.28	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.19	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.06	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.05	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.95	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.83	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.92	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.85	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.03	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.04	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.96	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.99	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.10	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.56	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.95	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.10	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.11	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.05	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.14	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.84	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.89	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.85	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.85	PASS

Band4	10MHz	QPSK	20350	25RB#12	21.85	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.95	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.82	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.14	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.16	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.10	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.12	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.12	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.91	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.04	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.21	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.13	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.20	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.14	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.06	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.09	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.08	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.14	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.07	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.02	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.98	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.03	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.98	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.04	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.14	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.11	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.26	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.32	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.29	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.25	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.18	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.22	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.23	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.29	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.30	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.31	PASS

Band4	15MHz	QPSK	20175	75RB#0	22.32	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.11	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.11	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.18	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.10	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.14	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.10	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.07	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.31	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.37	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.40	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.28	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.32	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.27	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.38	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.58	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.63	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.63	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.26	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.25	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.25	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.26	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.12	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.08	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.14	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.12	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.12	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.11	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.19	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.84	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.80	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.09	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.97	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.01	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.15	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.07	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.03	PASS

Band4	20MHz	QPSK	20175	1RB#49	23.06	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.05	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.13	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.11	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.04	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.07	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.99	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.04	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.13	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.01	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.96	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.03	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.04	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.95	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.98	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.34	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.11	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.05	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.22	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.10	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.18	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.18	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.22	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.16	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.14	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.14	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.16	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.18	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.17	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.23	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.02	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.06	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.09	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.14	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	1RB#0	3.91	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.93	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.75	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.79	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.89	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.93	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.65	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.14	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.42	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.05	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.67	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.24	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.66	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.68	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.55	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.50	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.61	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.74	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.38	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.01	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.38	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.90	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.35	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.09	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.66	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.88	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	3.58	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.76	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.57	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.87	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.24	13	PASS

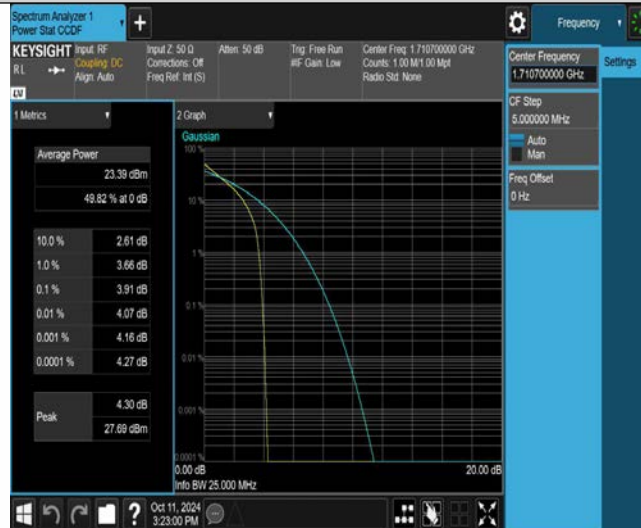
Band4	5MHz	16QAM	19975	25RB#0	6.05	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.14	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.87	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.18	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.03	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	3.61	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.83	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	3.60	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.78	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.54	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.83	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.32	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.04	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.29	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.95	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.25	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.99	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.66	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.04	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	3.61	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.98	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.38	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.85	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.34	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.17	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.28	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.08	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.18	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.98	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.56	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.88	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	3.62	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.86	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	3.49	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.71	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.20	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.06	13	PASS

Band4	20MHz	16QAM	20175	1RB#0	5.41	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.13	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.98	13	PASS

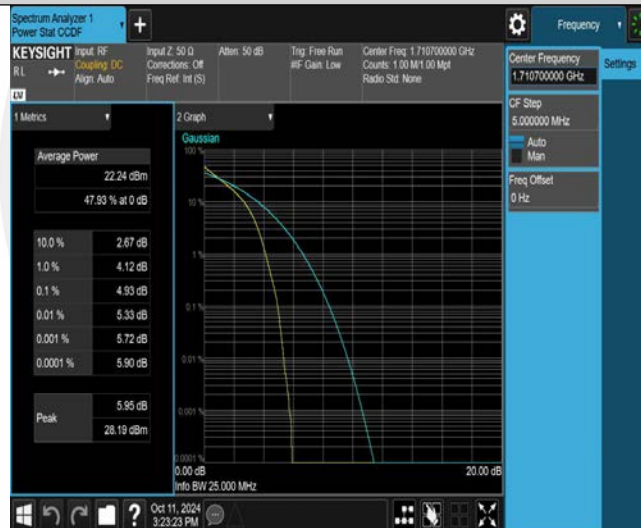


Test Graphs

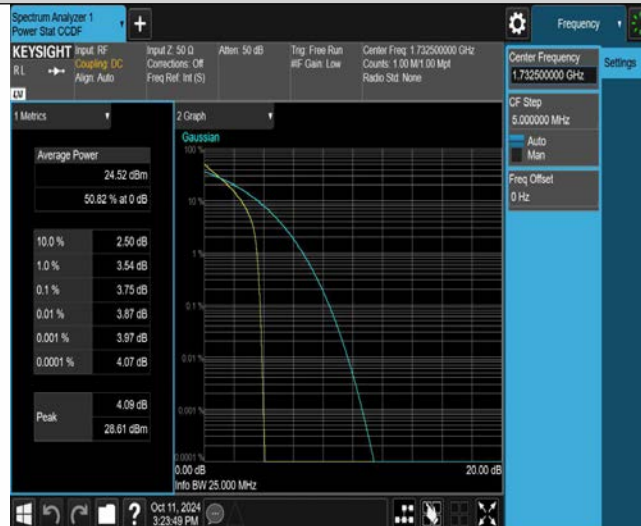
Band4-1.4MHz-QPSK-19957-1RB#0



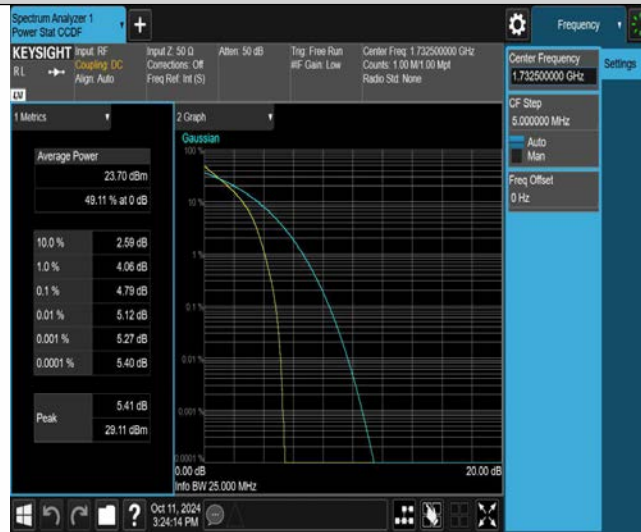
Band4-1.4MHz-QPSK-19957-6RB#0



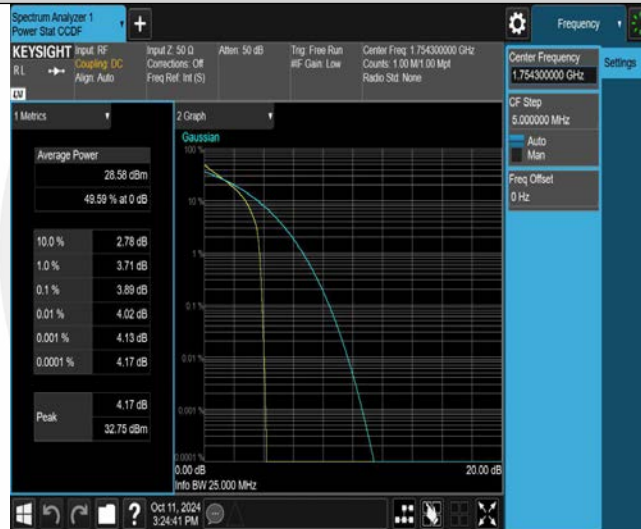
Band4-1.4MHz-QPSK-20175-1RB#0



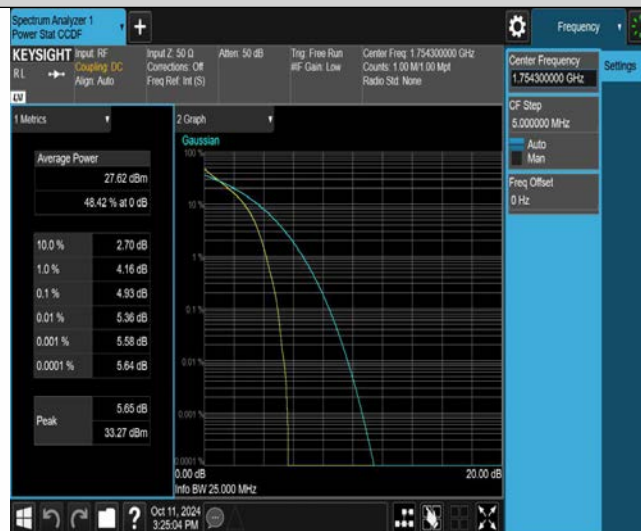
Band4-1.4MHz-QPSK-20175-6RB#0



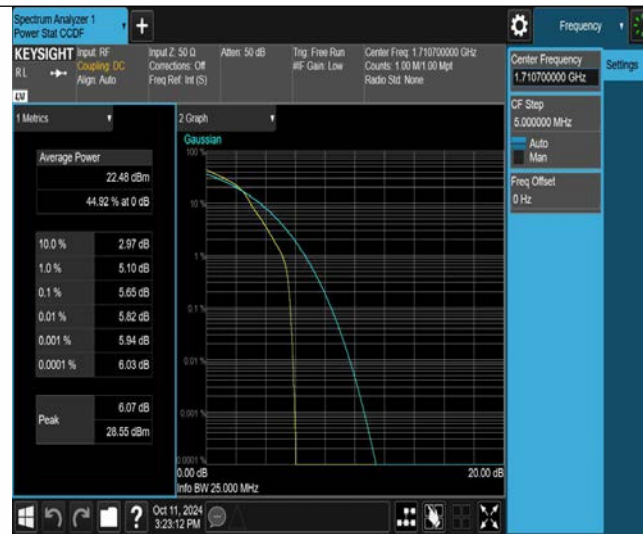
Band4-1.4MHz-QPSK-20393-1RB#0



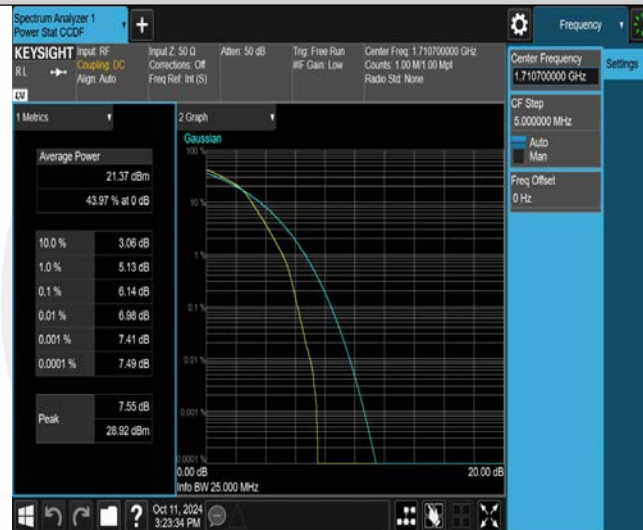
Band4-1.4MHz-QPSK-20393-6RB#0



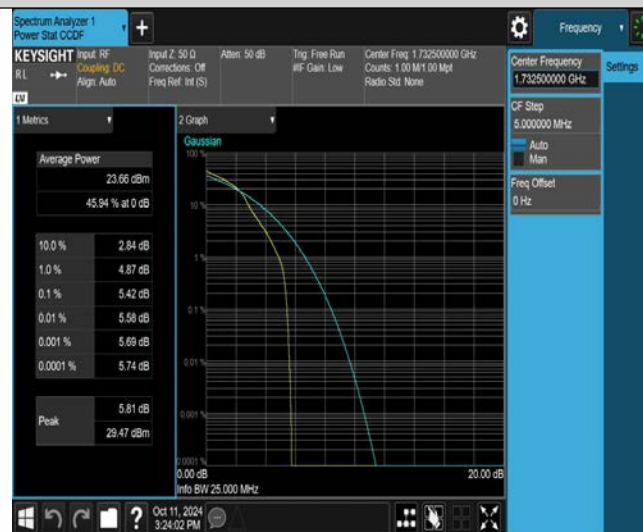
Band4-1.4MHz-16QAM-19957-1RB#0



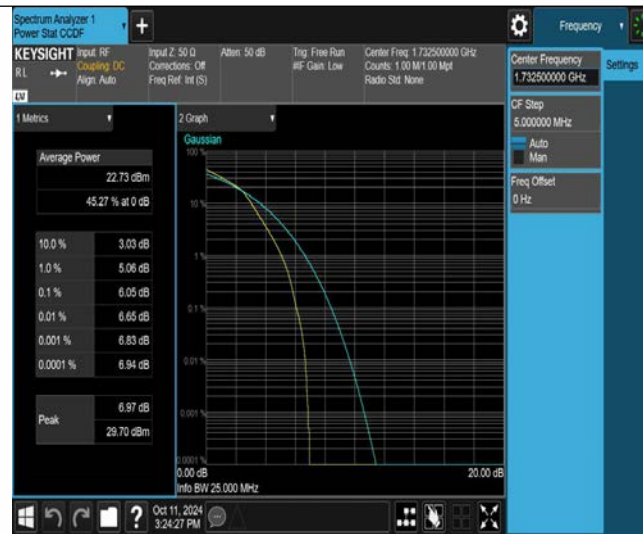
Band4-1.4MHz-16QAM-19957-6RB#0



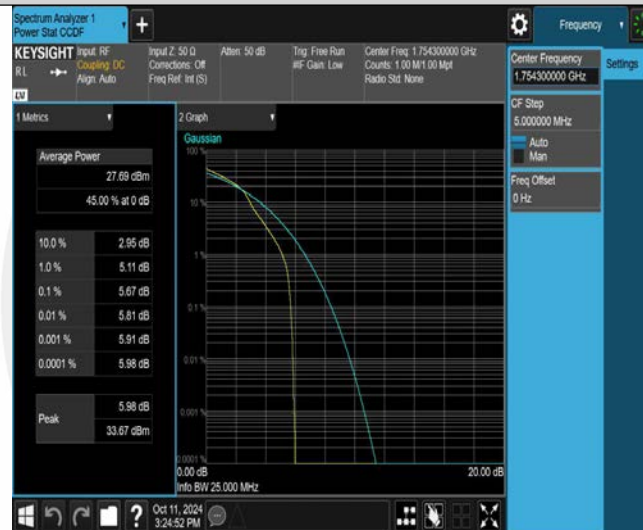
Band4-1.4MHz-16QAM-20175-1RB#0



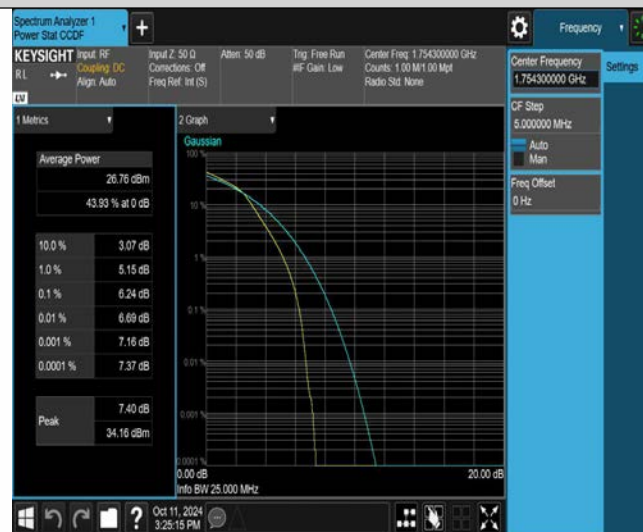
Band4-1.4MHz-16QAM-20175-6RB#0



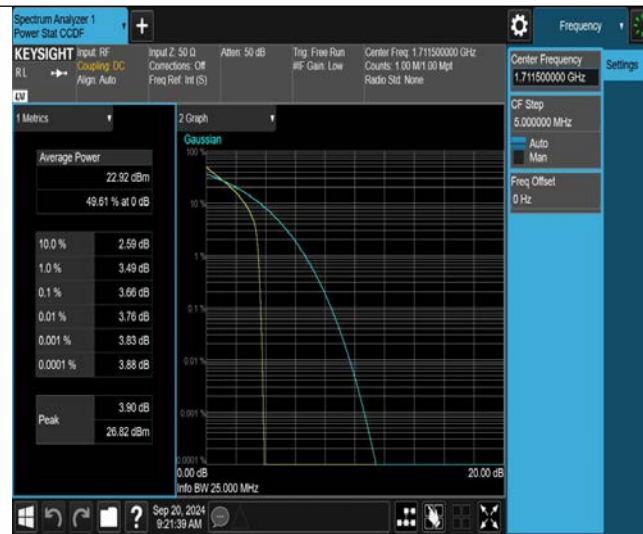
Band4-1.4MHz-16QAM-20393-1RB#0



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



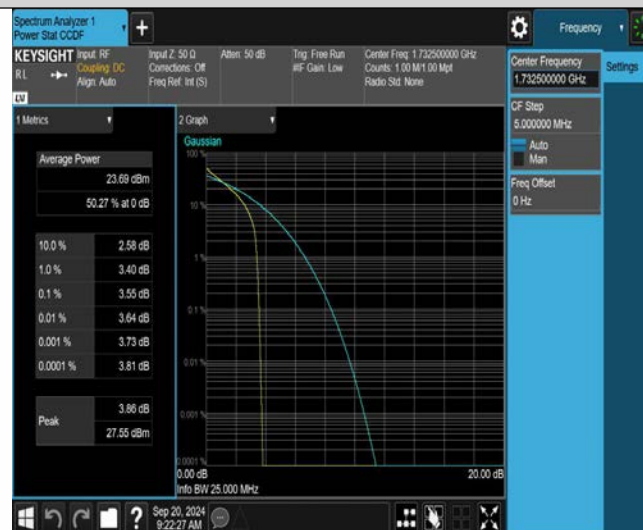
Band4-3MHz-QPSK-19965-1RB#0



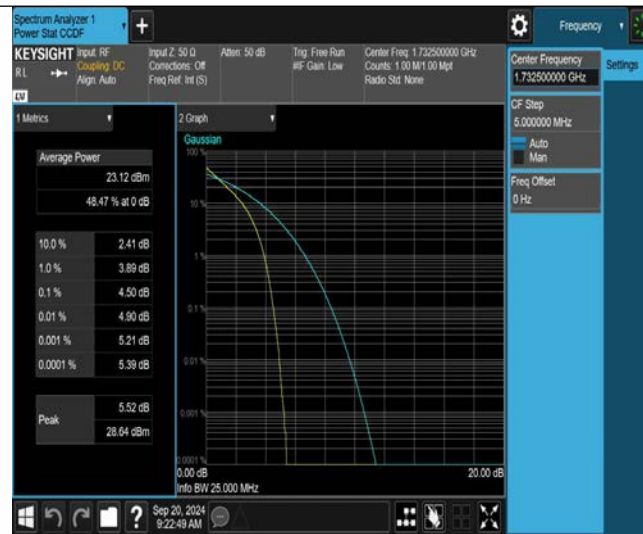
Band4-3MHz-QPSK-19965-15RB#0



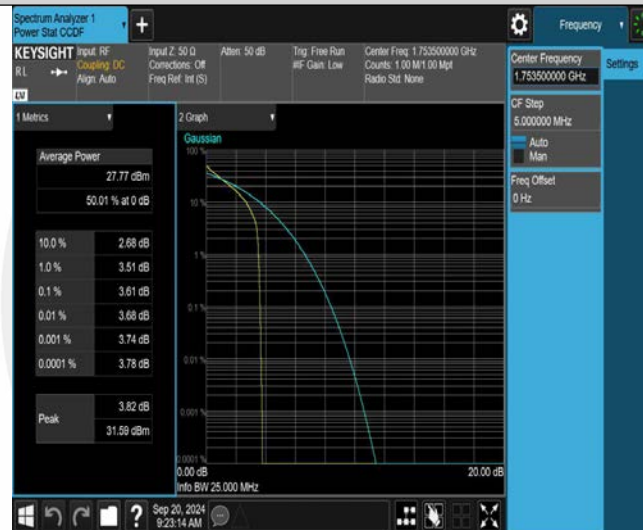
Band4-3MHz-QPSK-20175-1RB#0



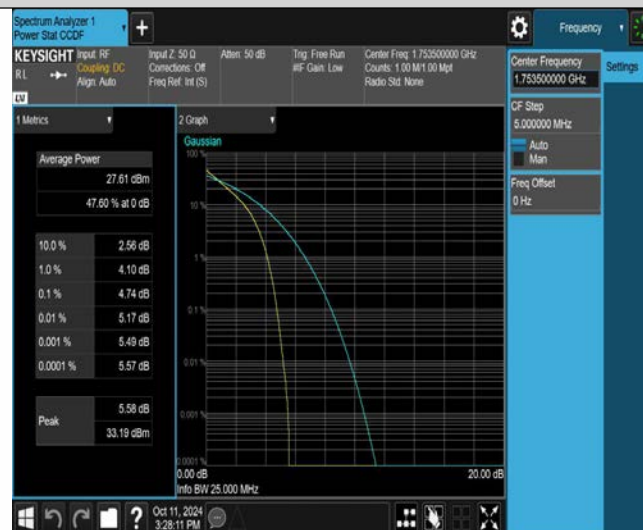
Band4-3MHz-QPSK-20175-15RB#0



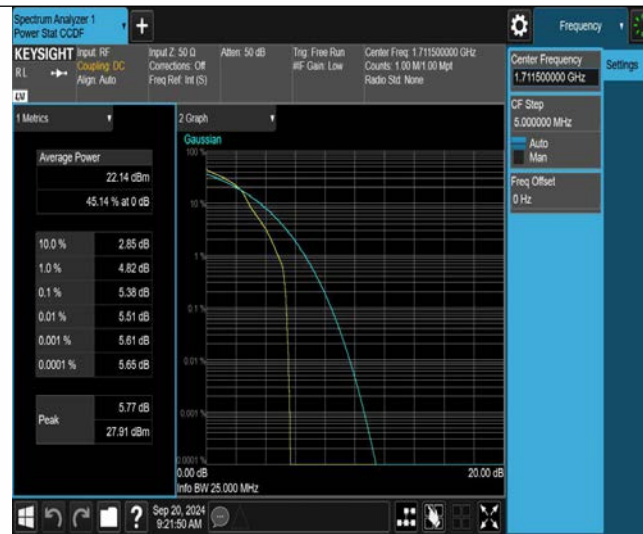
Band4-3MHz-QPSK-20385-1RB#0



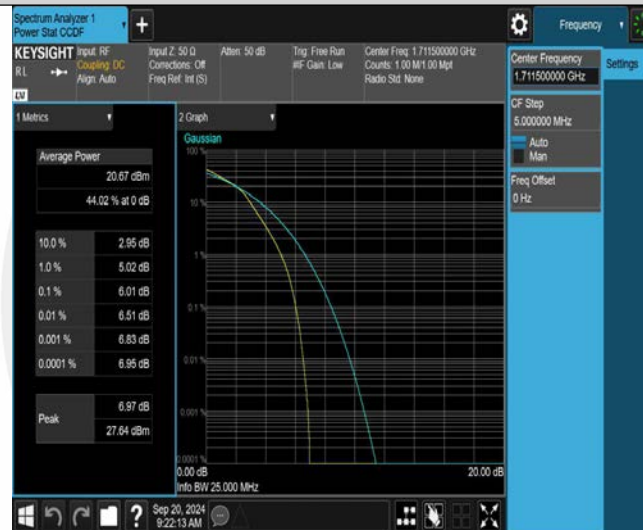
Band4-3MHz-QPSK-20385-15RB#0



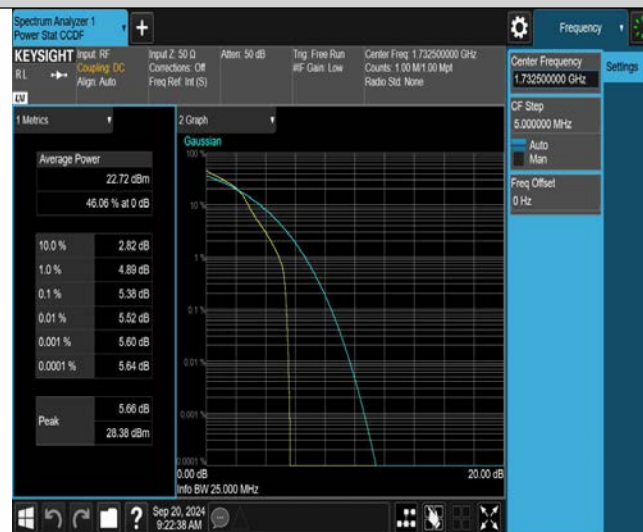
Band4-3MHz-16QAM-19965-1RB#0



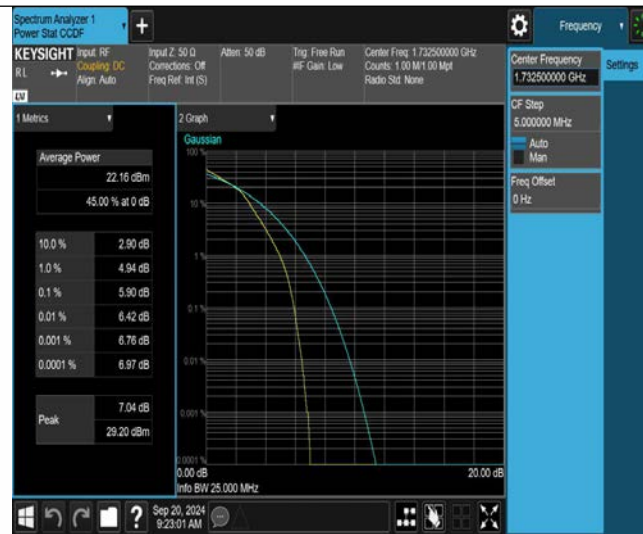
Band4-3MHz-16QAM-19965-15RB#0



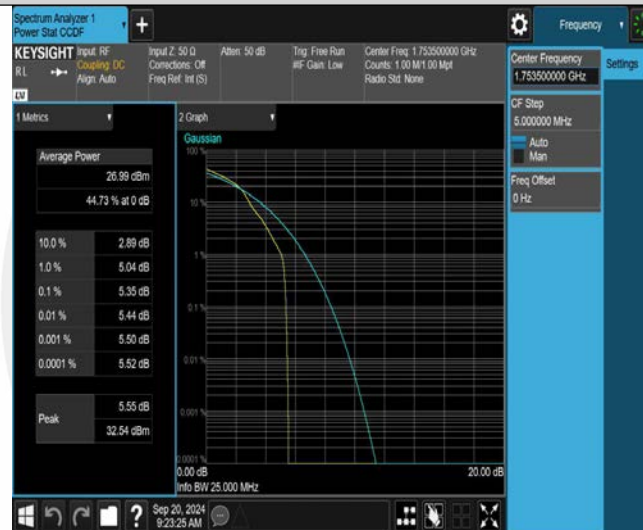
Band4-3MHz-16QAM-20175-1RB#0



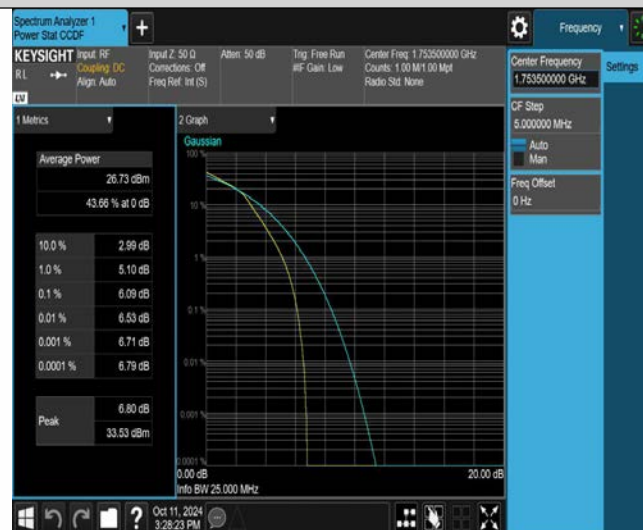
Band4-3MHz-16QAM-20175-15RB#0



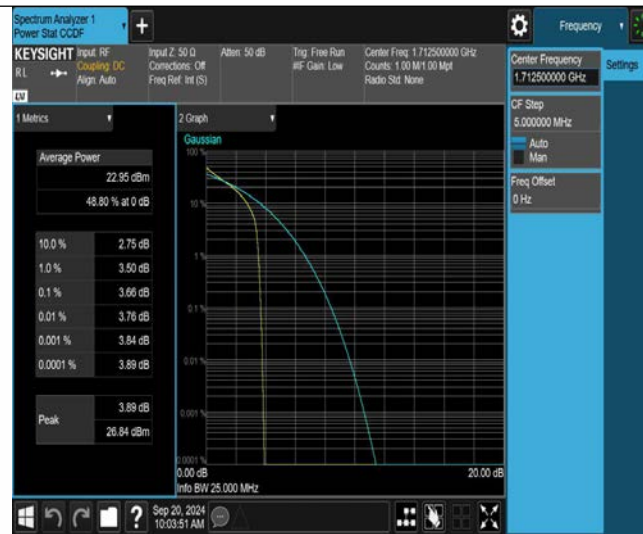
Band4-3MHz-16QAM-20385-1RB#0



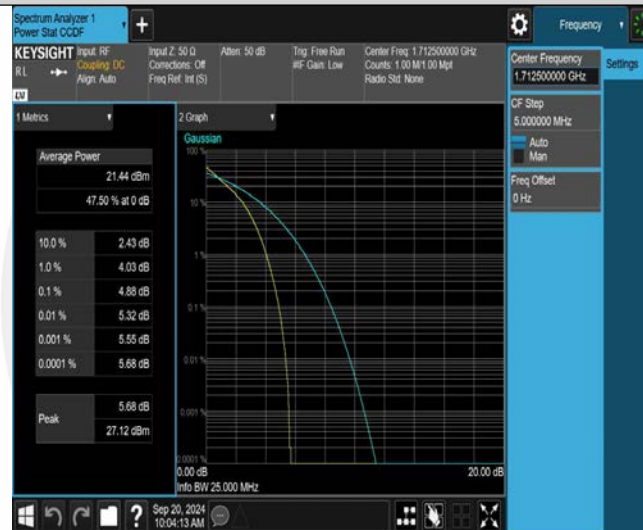
Band4-3MHz-16QAM-20385-15RB#0



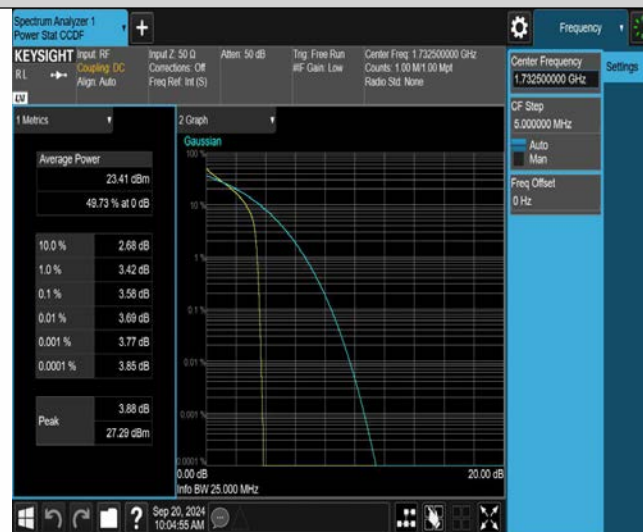
Band4-5MHz-QPSK-19975-1RB#0



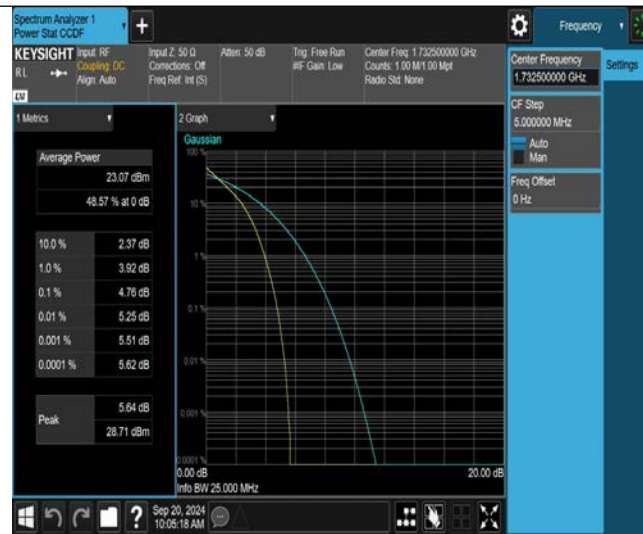
Band4-5MHz-QPSK-19975-25RB#0



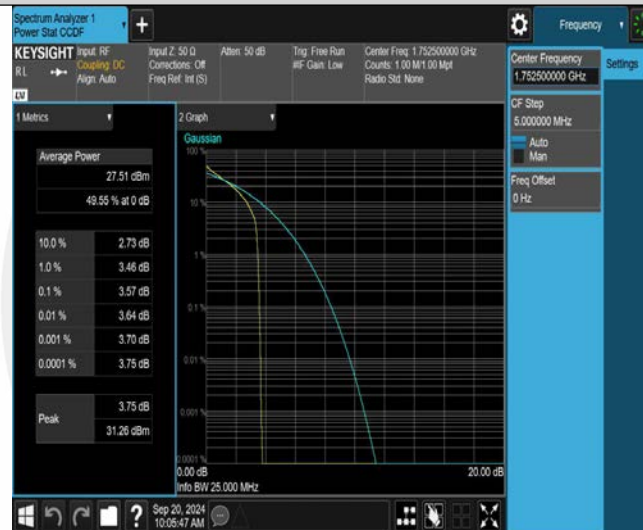
Band4-5MHz-QPSK-20175-1RB#0



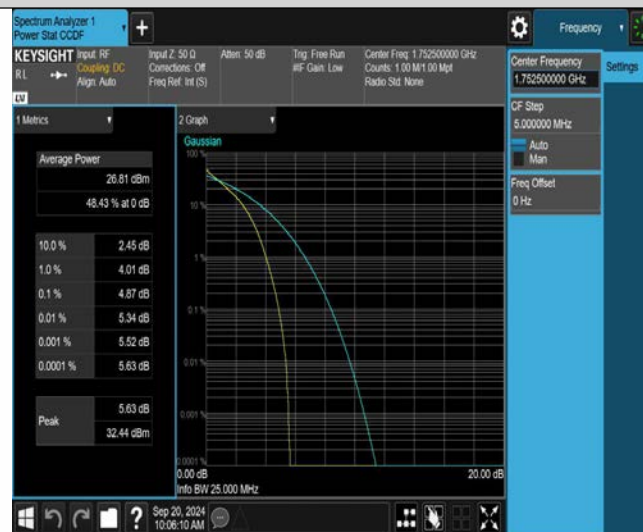
Band4-5MHz-QPSK-20175-25RB#0



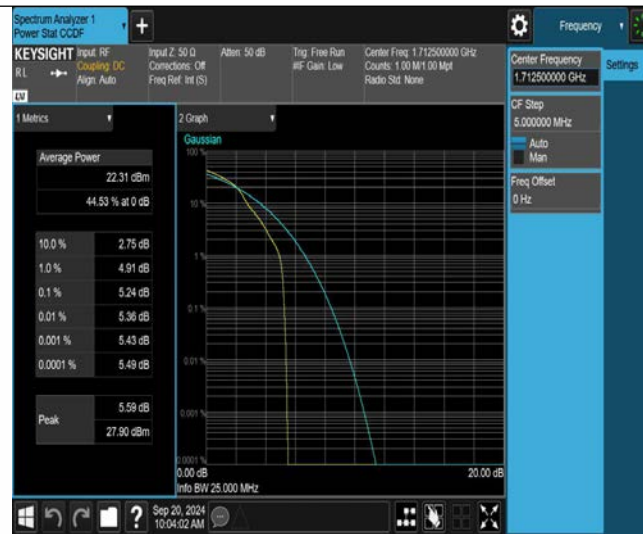
Band4-5MHz-QPSK-20375-1RB#0



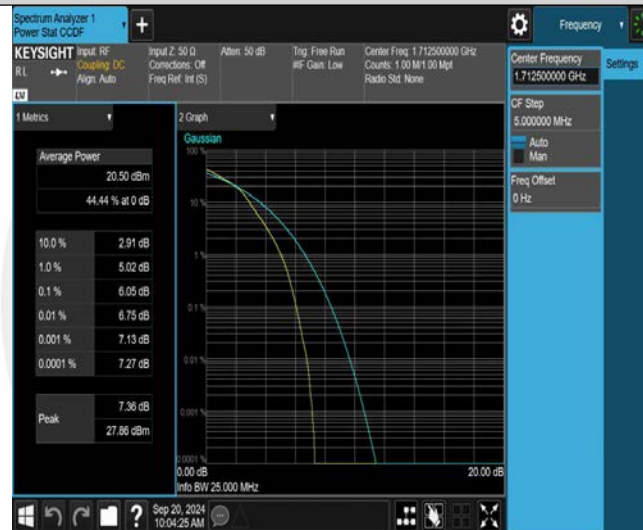
Band4-5MHz-QPSK-20375-25RB#0



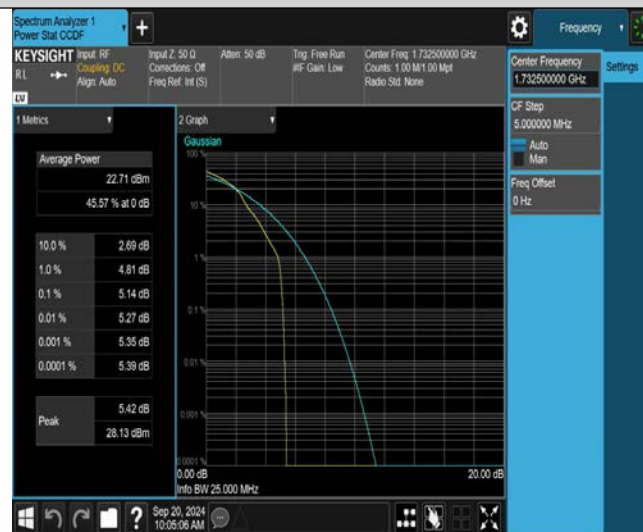
Band4-5MHz-16QAM-19975-1RB#0



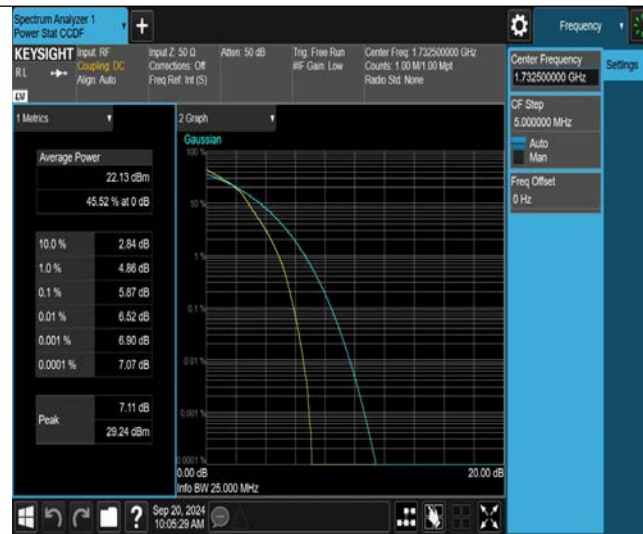
Band4-5MHz-16QAM-19975-25RB#0



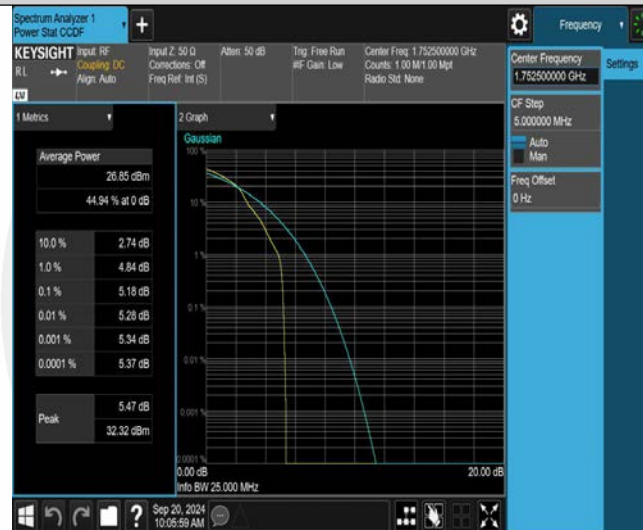
Band4-5MHz-16QAM-20175-1RB#0



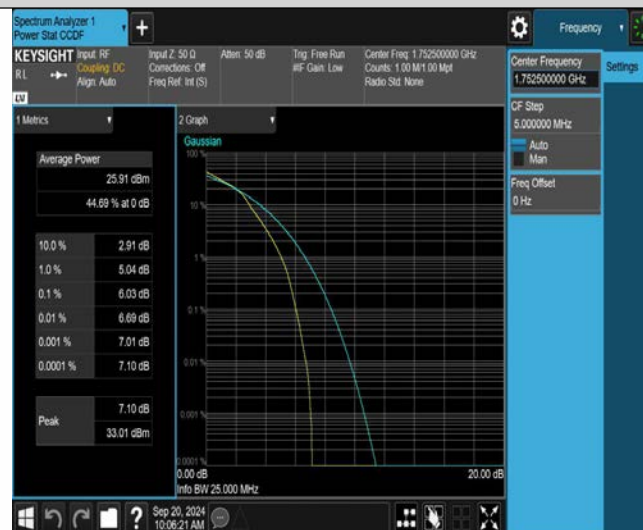
Band4-5MHz-16QAM-20175-25RB#0



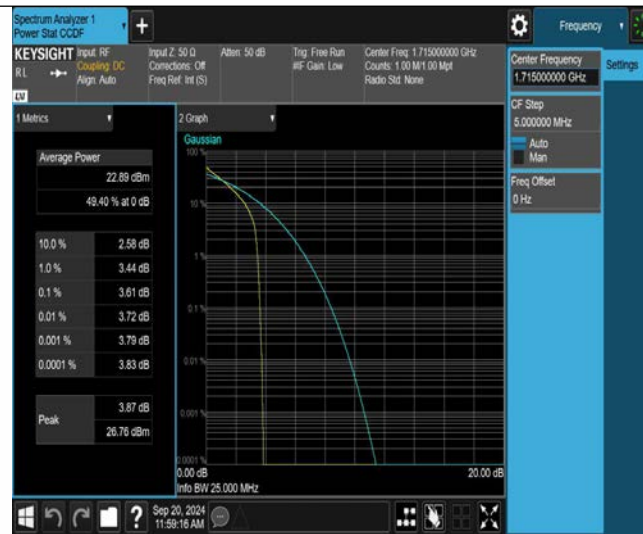
Band4-5MHz-16QAM-20375-1RB#0



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



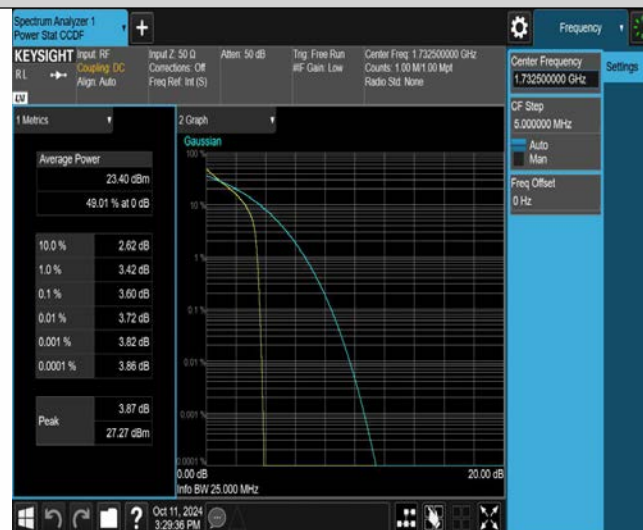
Band4-10MHz-QPSK-20000-1RB#0



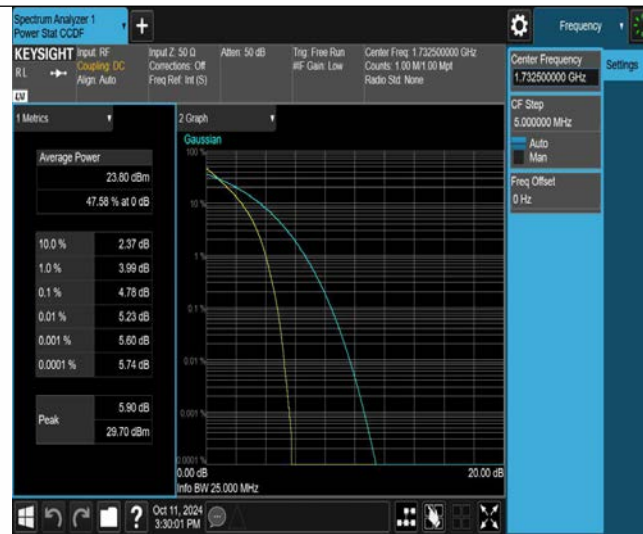
Band4-10MHz-QPSK-20000-50RB#0



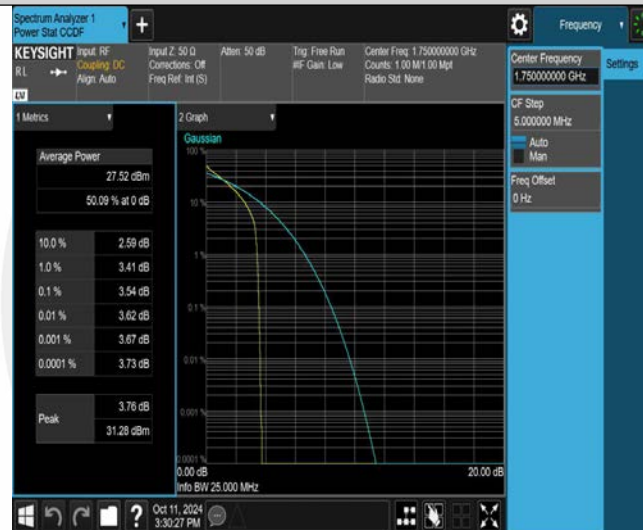
Band4-10MHz-QPSK-20175-1RB#0



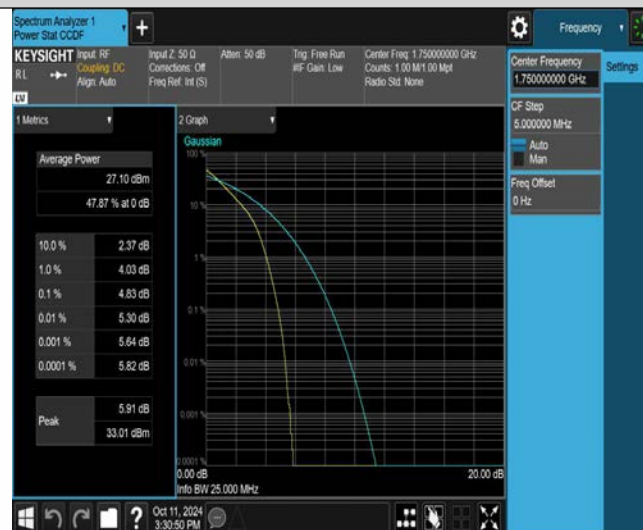
Band4-10MHz-QPSK-20175-50RB#0



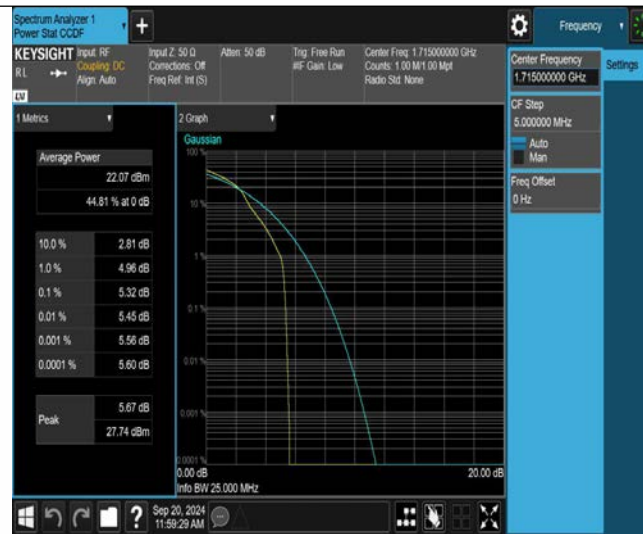
Band4-10MHz-QPSK-20350-1RB#0



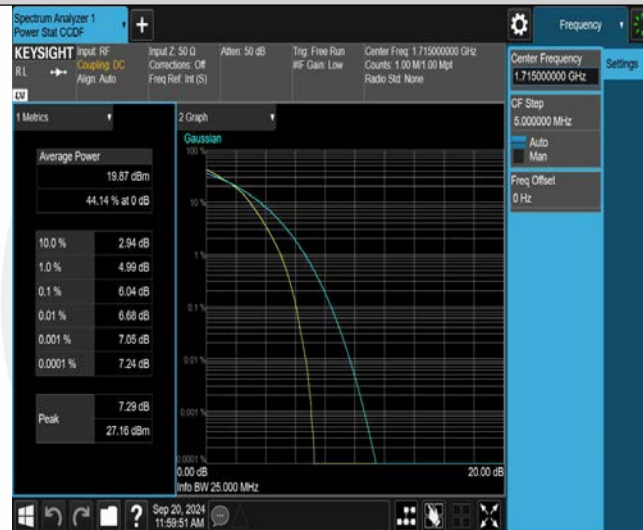
Band4-10MHz-QPSK-20350-50RB#0



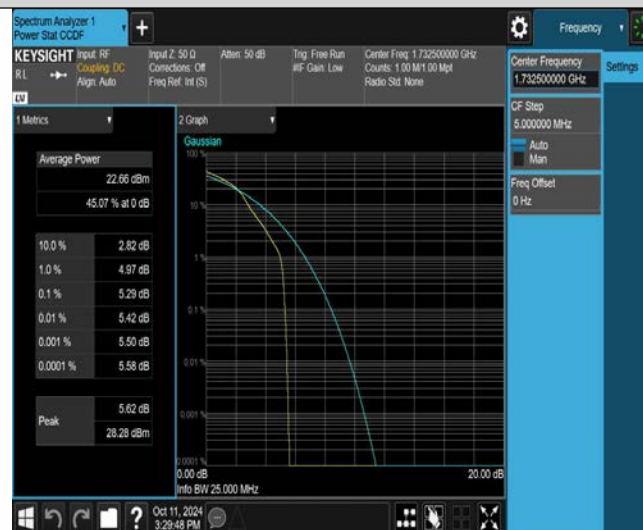
Band4-10MHz-16QAM-20000-1RB#0



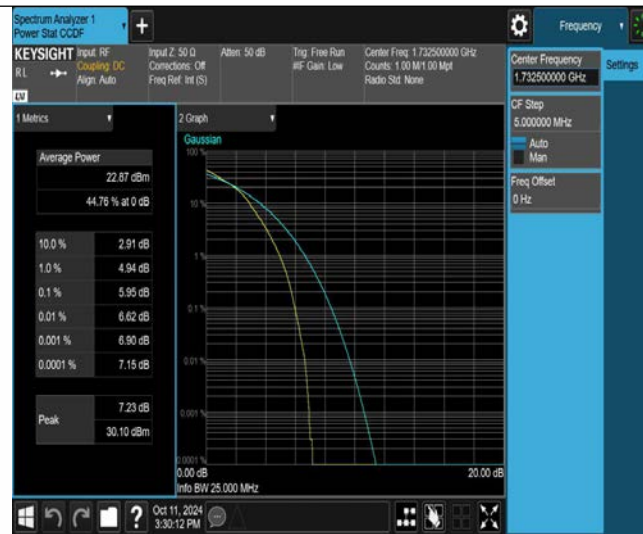
Band4-10MHz-16QAM-20000-50RB#0



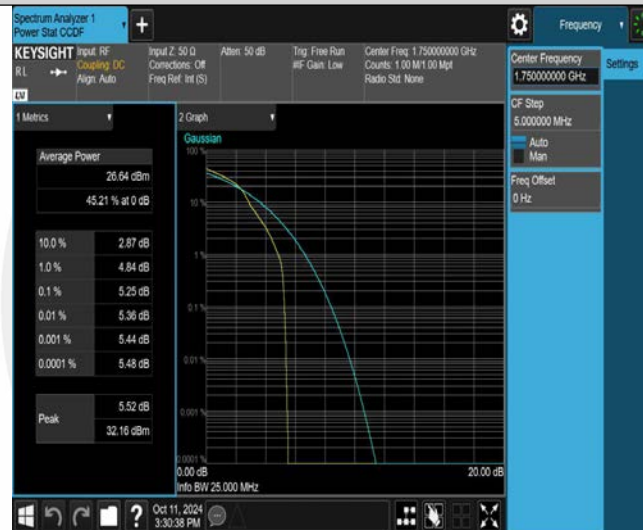
Band4-10MHz-16QAM-20175-1RB#0



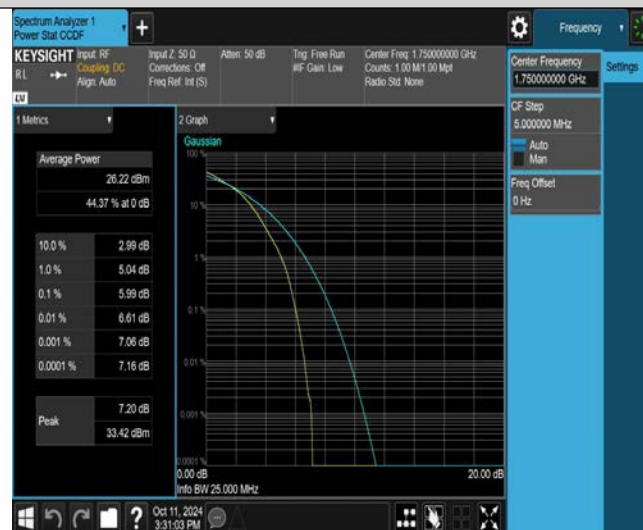
Band4-10MHz-16QAM-20175-50RB#0



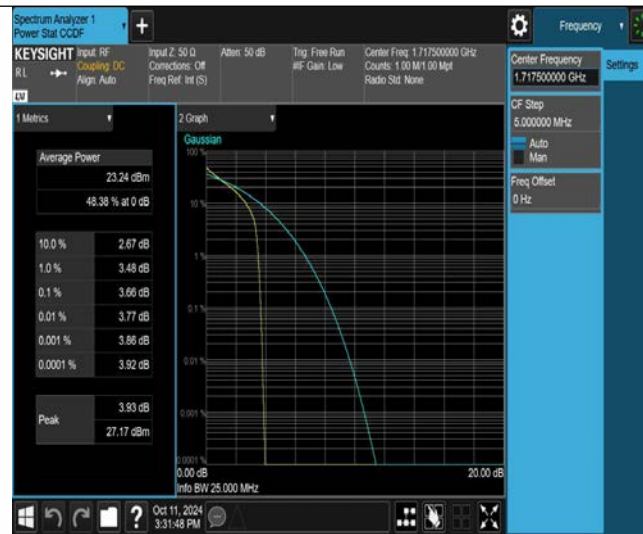
Band4-10MHz-16QAM-20350-1RB#0



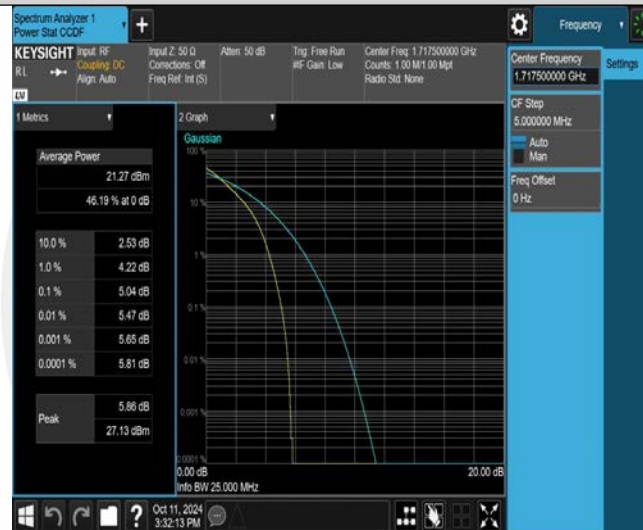
Band4-10MHz-16QAM-20350-50RB#0



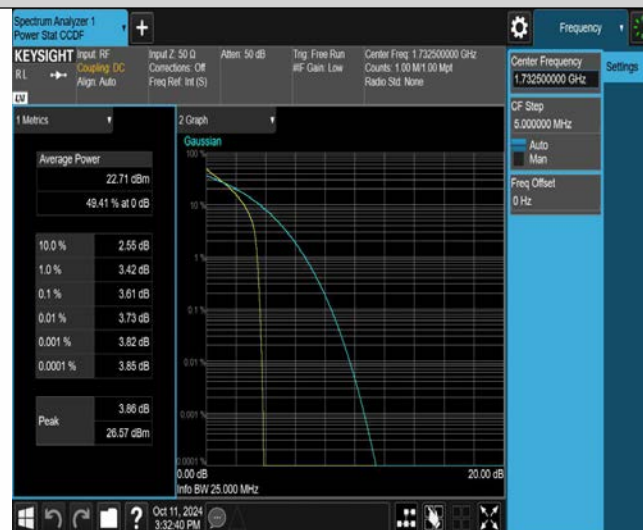
Band4-15MHz-QPSK-20025-1RB#0



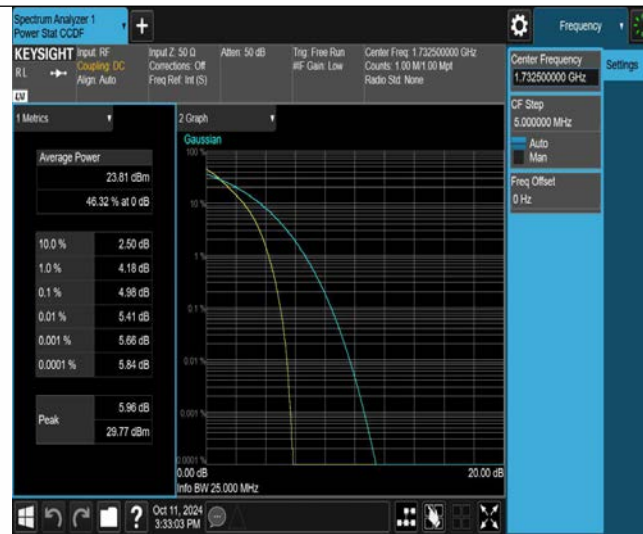
Band4-15MHz-QPSK-20025-75RB#0



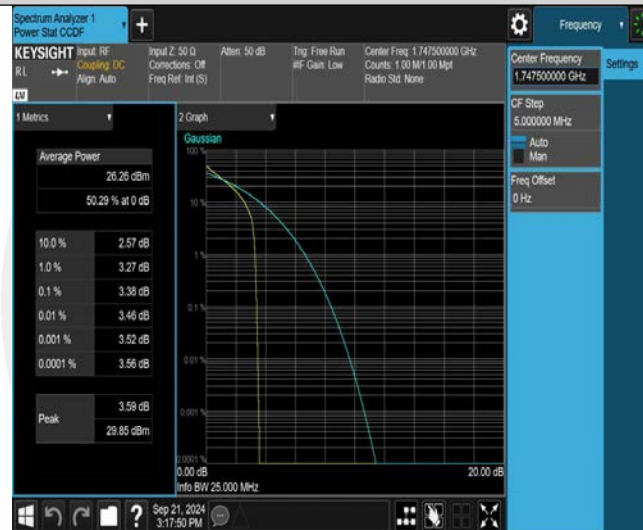
Band4-15MHz-QPSK-20175-1RB#0



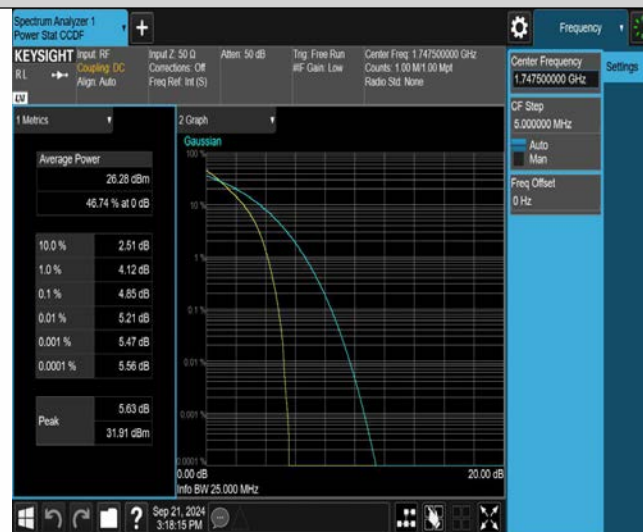
Band4-15MHz-QPSK-20175-75RB#0



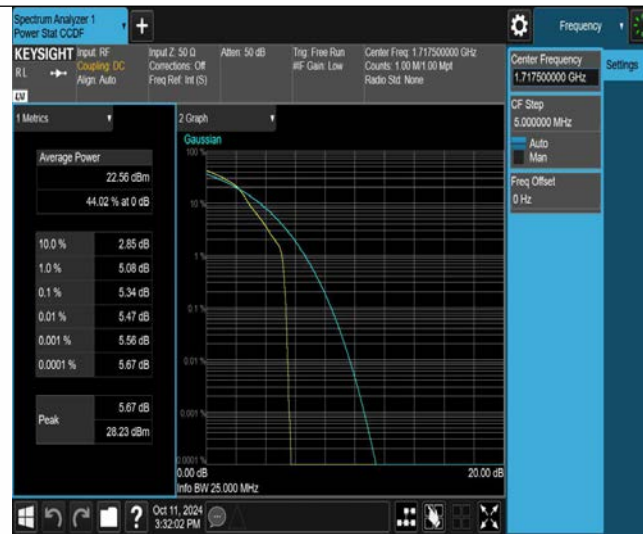
Band4-15MHz-QPSK-20325-1RB#0



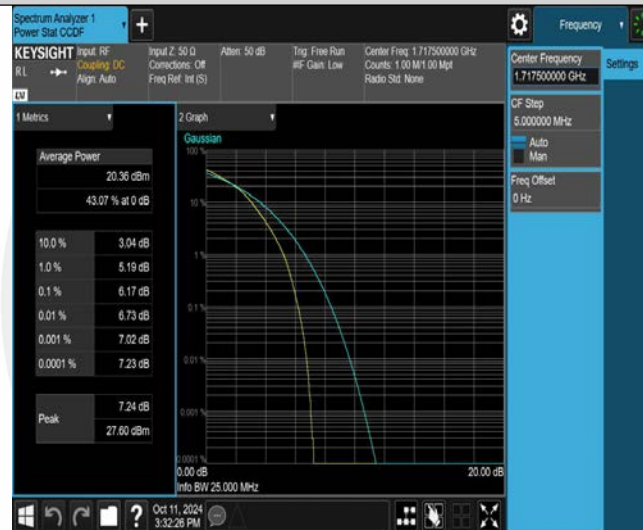
Band4-15MHz-QPSK-20325-75RB#0



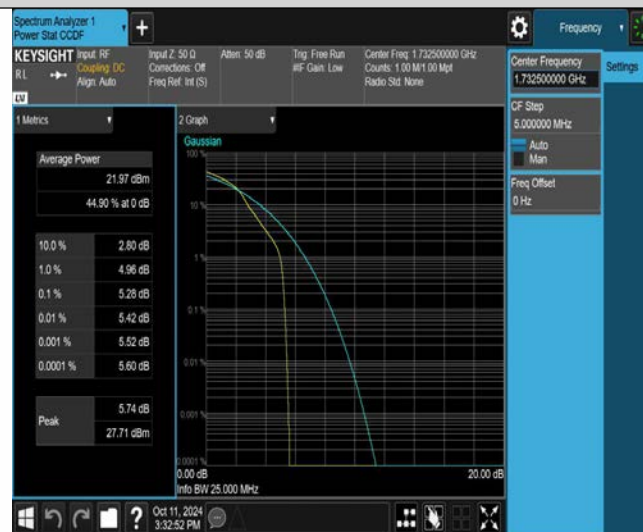
Band4-15MHz-16QAM-20025-1RB#0



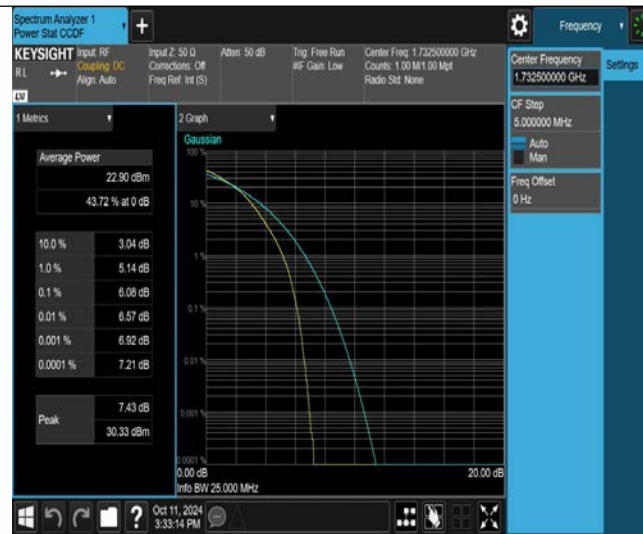
Band4-15MHz-16QAM-20025-75RB#0



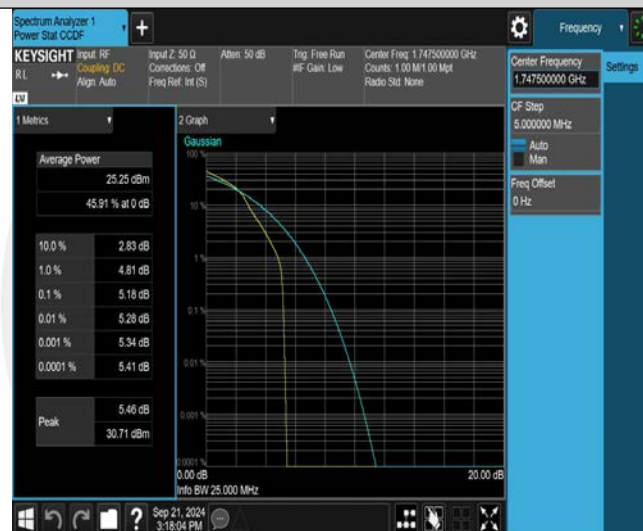
Band4-15MHz-16QAM-20175-1RB#0



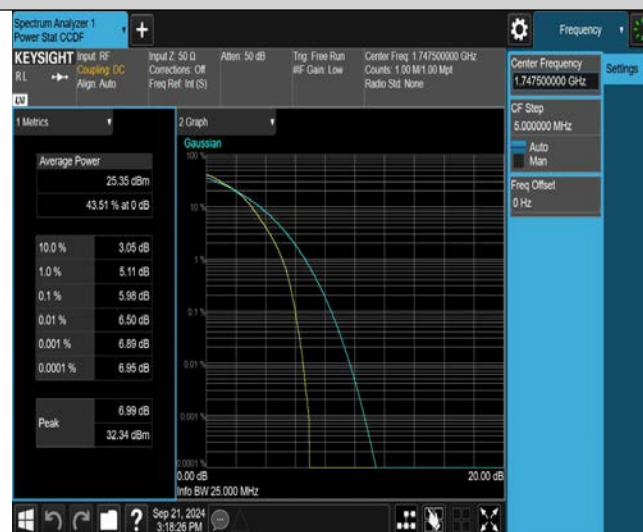
Band4-15MHz-16QAM-20175-75RB#0



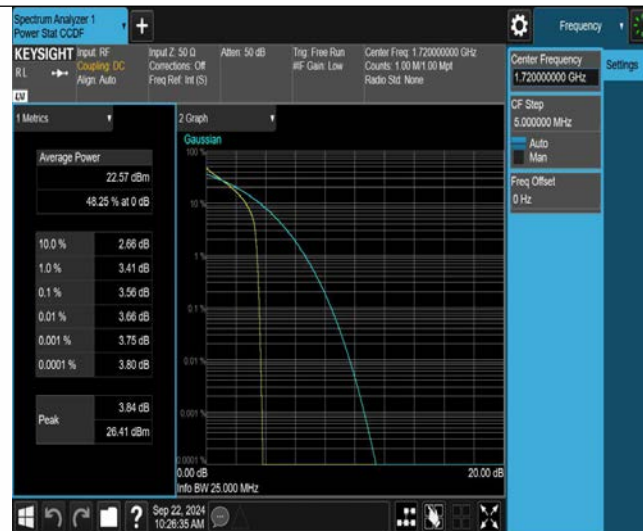
Band4-15MHz-16QAM-20325-1RB#0



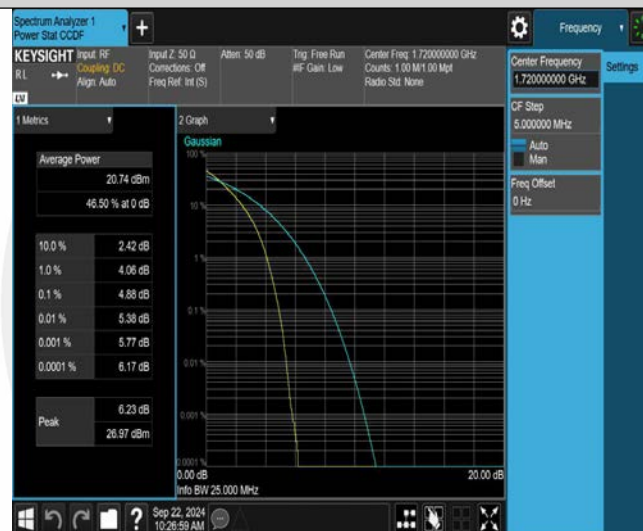
Band4-15MHz-16QAM-20325-75RB#0



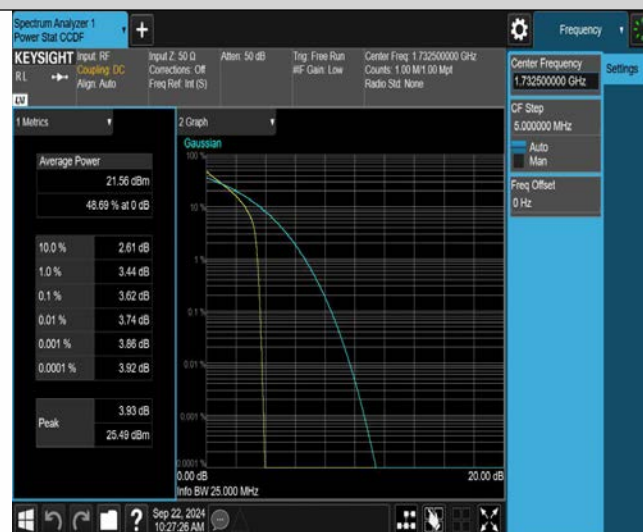
Band4-20MHz-QPSK-20050-1RB#0



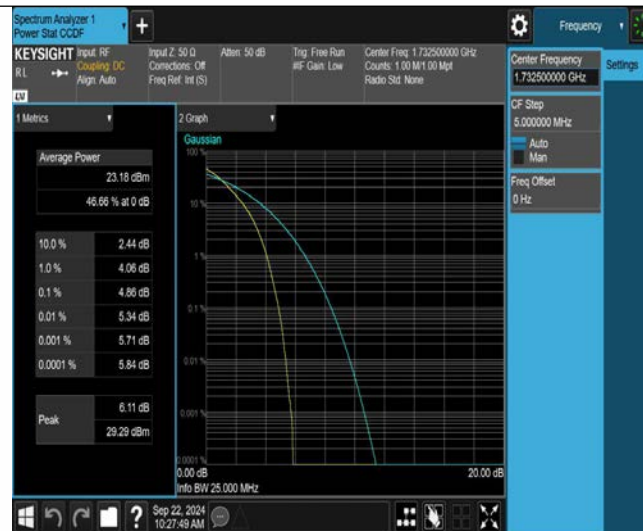
Band4-20MHz-QPSK-20050-100RB#0



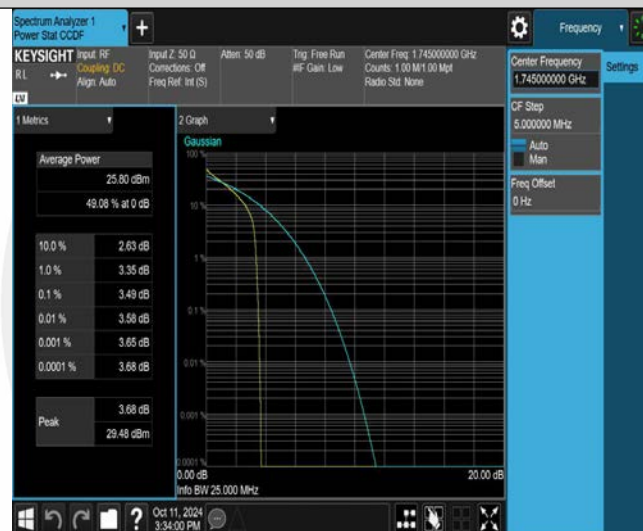
Band4-20MHz-QPSK-20175-1RB#0



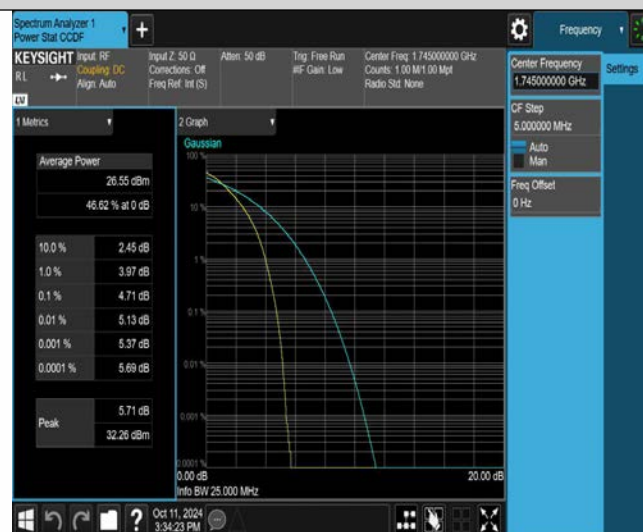
Band4-20MHz-QPSK-20175-100RB#0



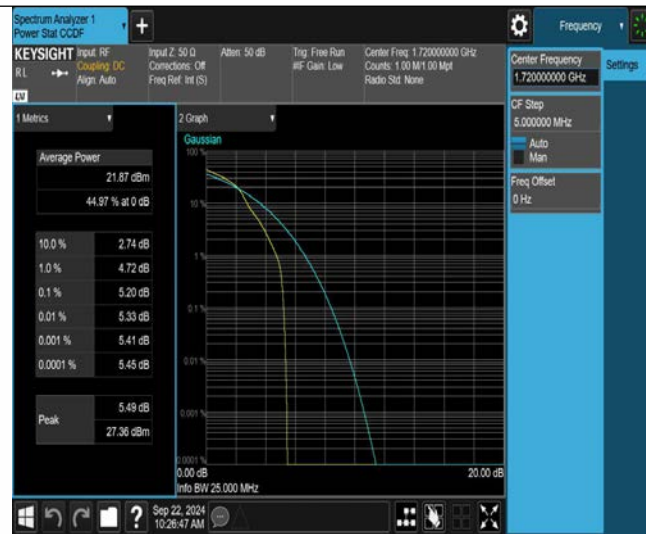
Band4-20MHz-QPSK-20300-1RB#0



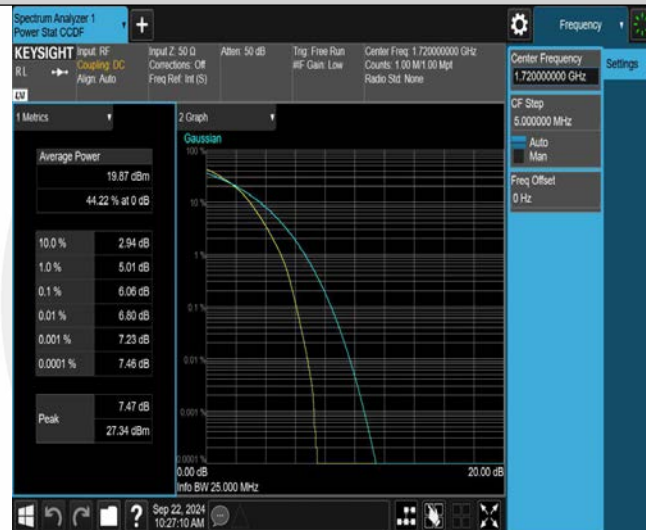
Band4-20MHz-QPSK-20300-100RB#0



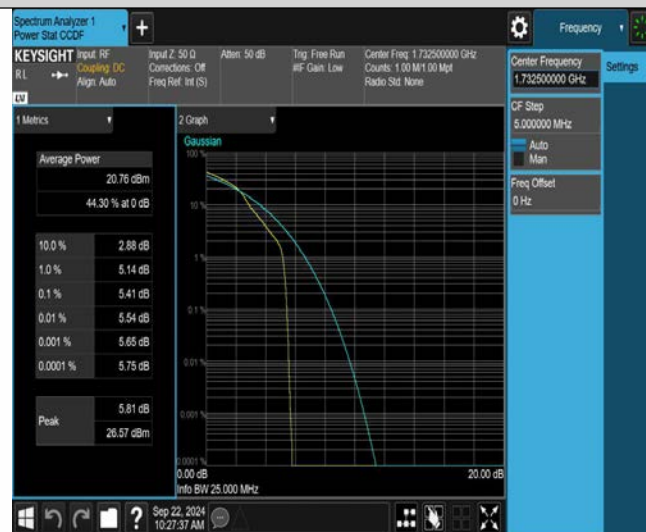
Band4-20MHz-16QAM-20050-1RB#0



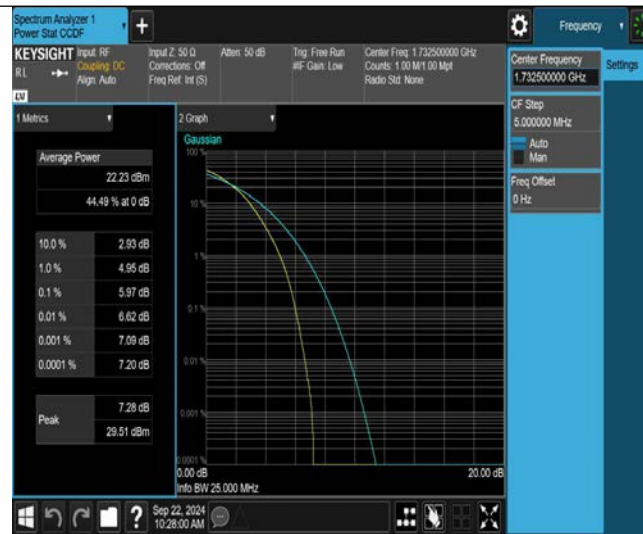
Band4-20MHz-16QAM-20050-100RB#0



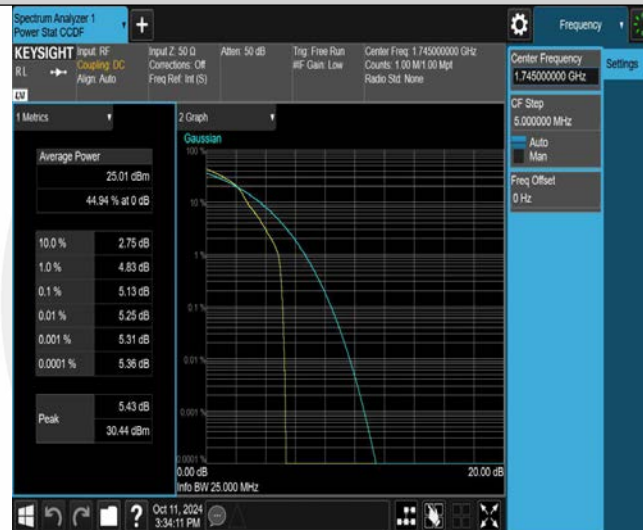
Band4-20MHz-16QAM-20175-1RB#0



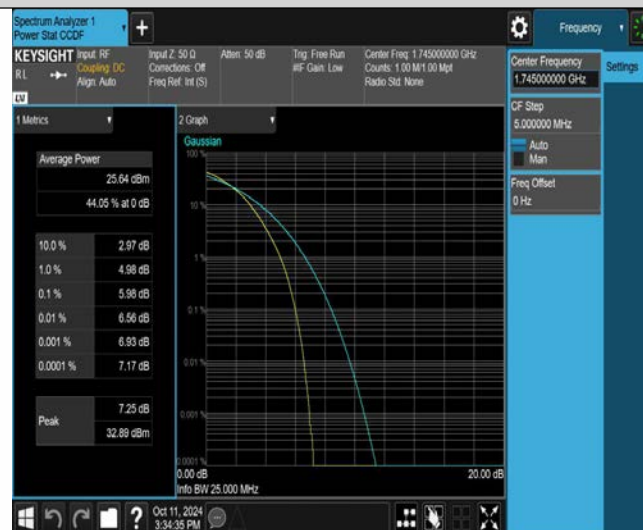
Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-1RB#0



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

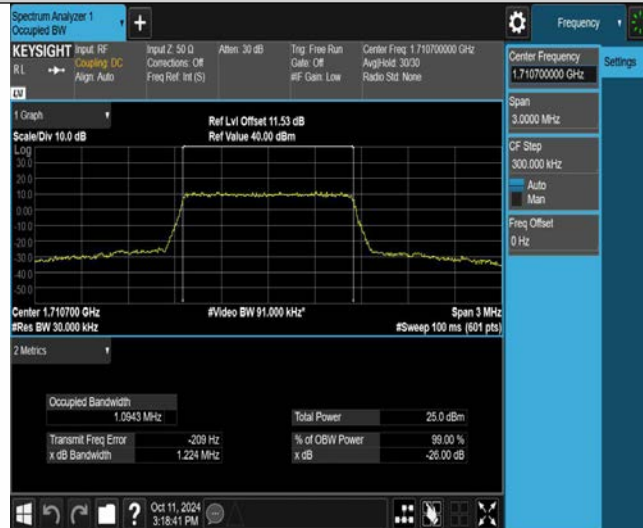
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0943	1.224	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0894	1.217	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0900	1.228	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0894	1.226	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0909	1.208	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0890	1.224	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6996	2.920	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6977	2.934	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6913	2.914	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6970	2.933	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6945	2.903	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6970	2.939	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4999	4.853	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5023	4.868	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4971	4.861	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5002	4.885	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5063	4.874	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5036	4.851	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9715	9.547	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9869	9.590	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9755	9.577	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9732	9.521	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9760	9.555	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9649	9.542	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.444	14.33	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.466	14.35	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.440	14.30	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.449	14.25	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.466	14.27	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.423	14.22	PASS

Band4	20MHz	QPSK	20050	100RB#0	17.975	18.99	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.945	18.99	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.856	18.96	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.954	18.98	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.947	18.97	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.875	18.94	PASS

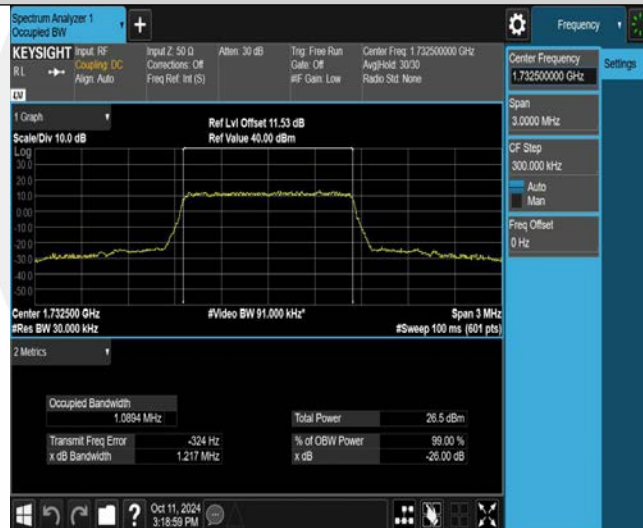


Test Graphs

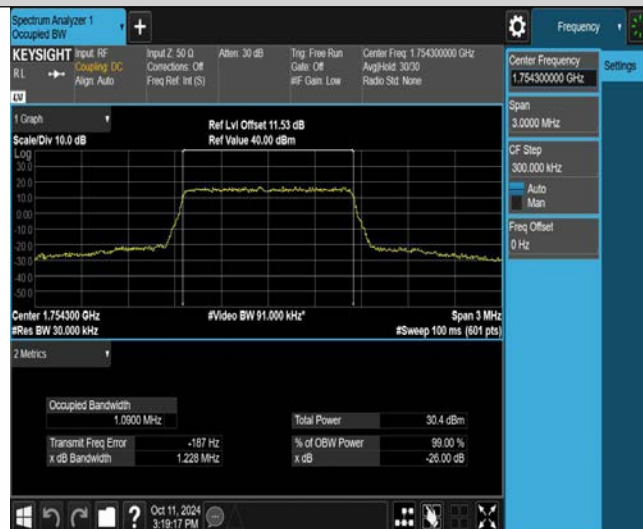
Band4-1.4MHz-QPSK-19957-6RB#0



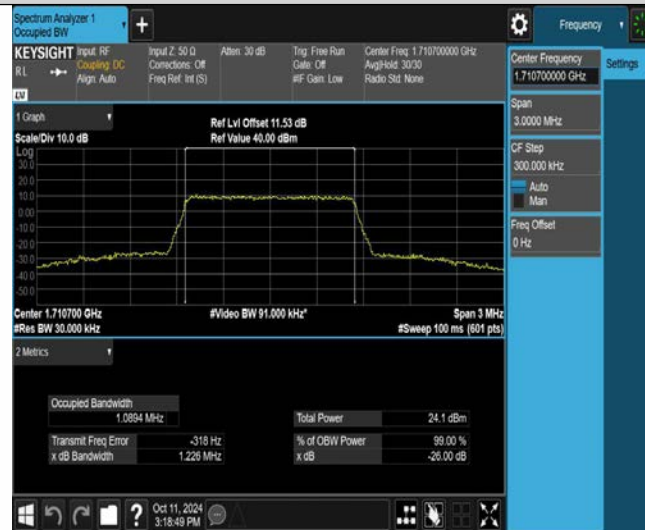
Band4-1.4MHz-QPSK-20175-6RB#0



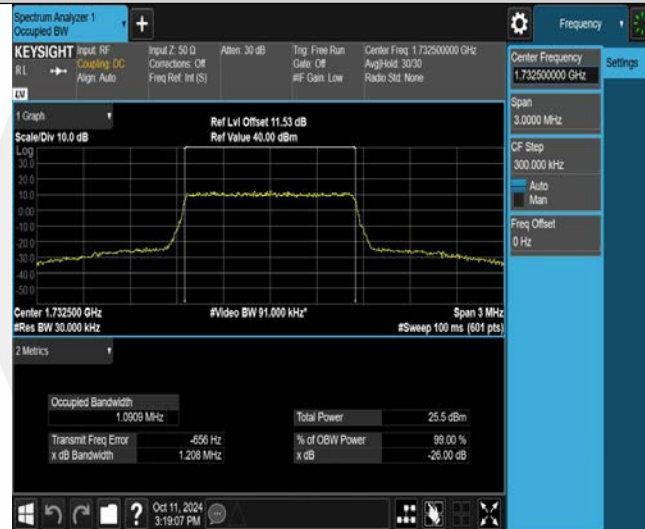
Band4-1.4MHz-QPSK-20393-6RB#0



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



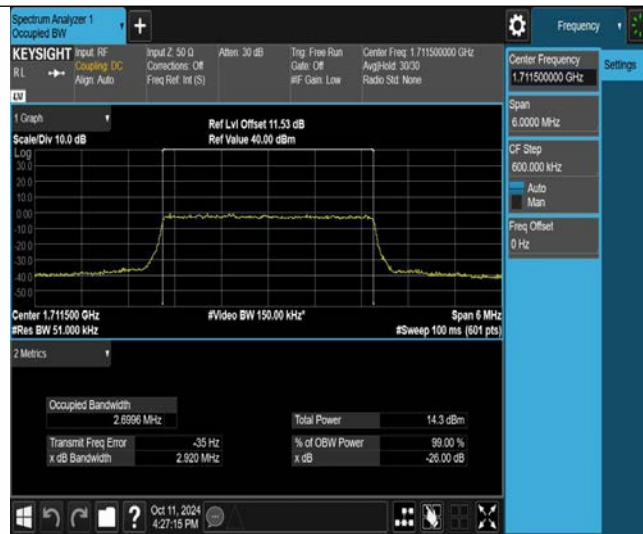
Band4-1.4MHz-16QAM-20175-6RB#0



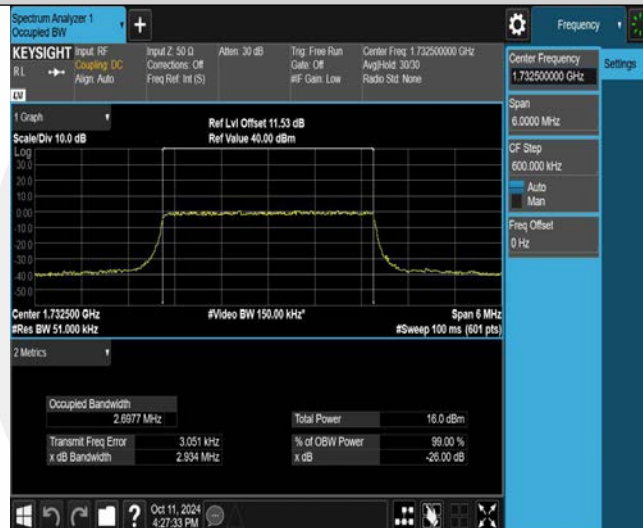
Band4-1.4MHz-16QAM-20393-6RB#0



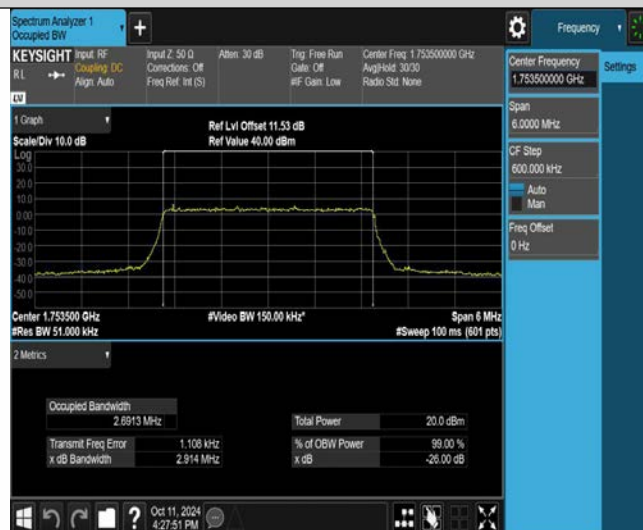
Band4-3MHz-QPSK-19965-15RB#0



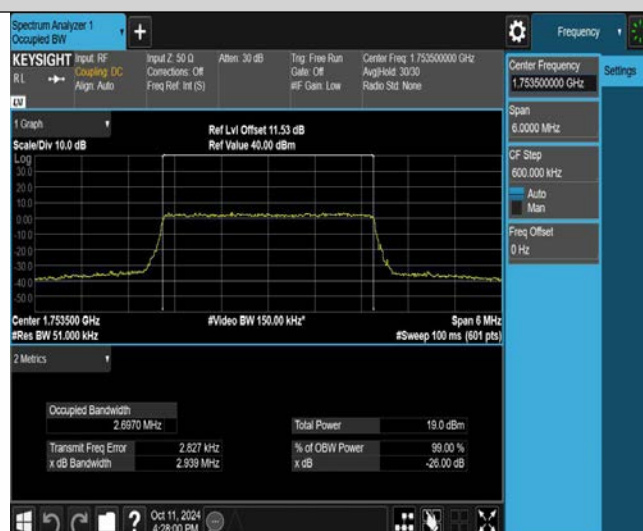
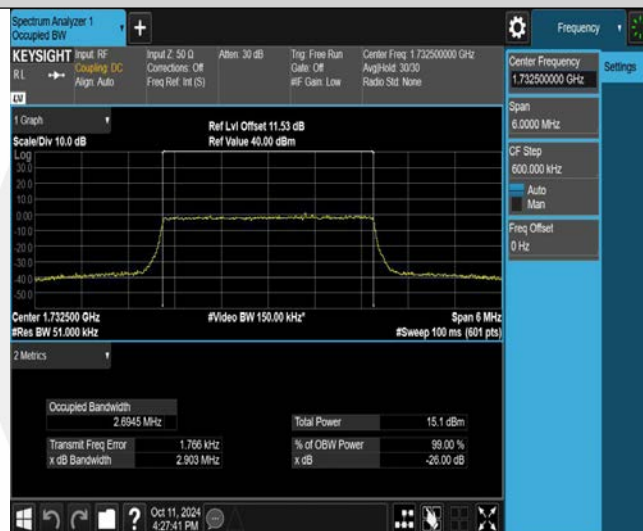
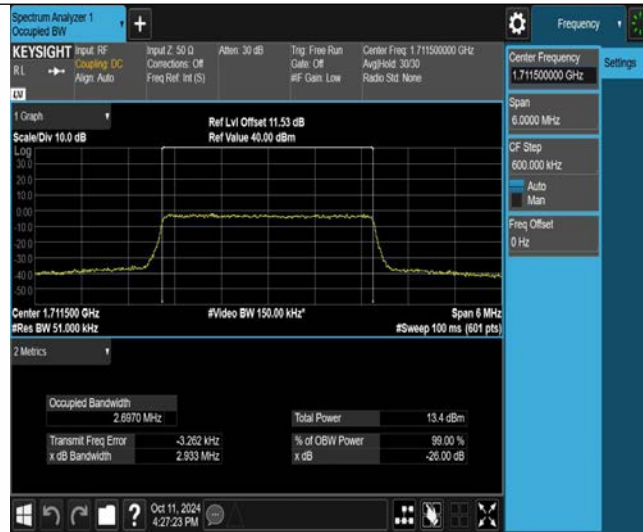
Band4-3MHz-QPSK-20175-15RB#0

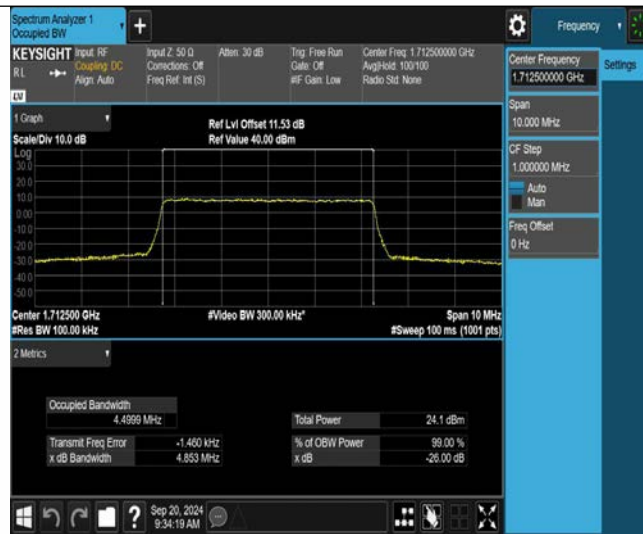


Band4-3MHz-QPSK-20385-15RB#0

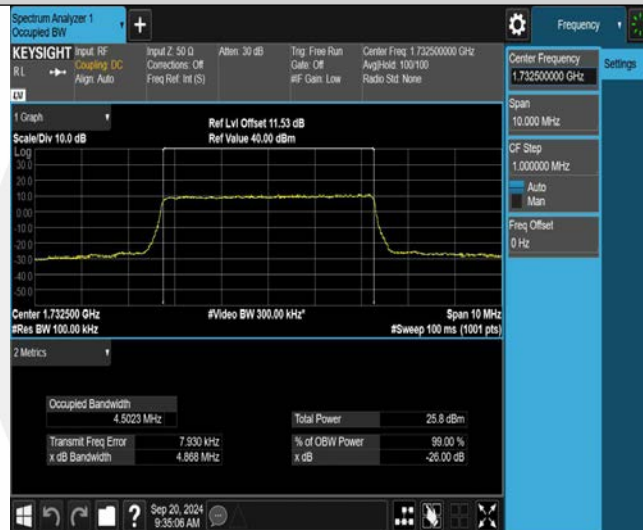


Band4-3MHz-16QAM-19965-15RB#0





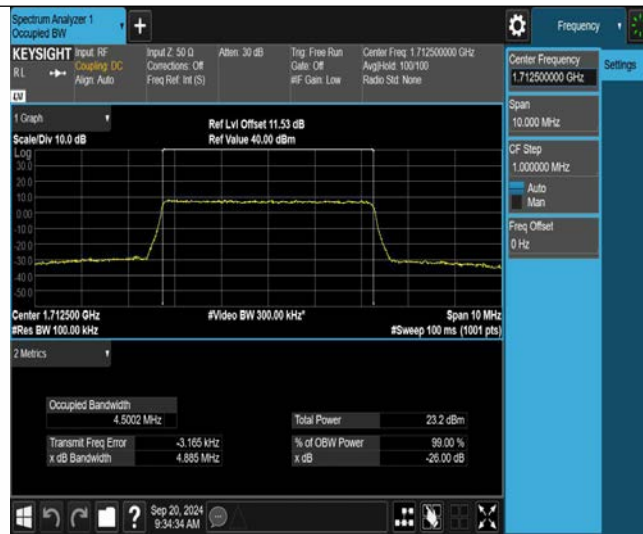
Band4-5MHz-QPSK-20175-25RB#0



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



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



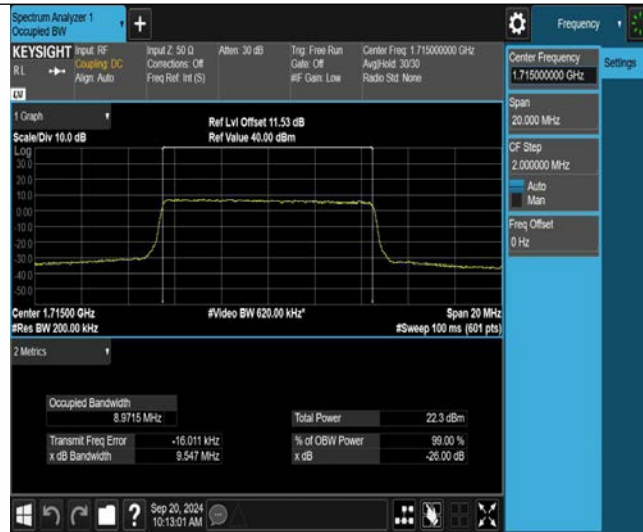
Band4-5MHz-16QAM-20175-25RB#0



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



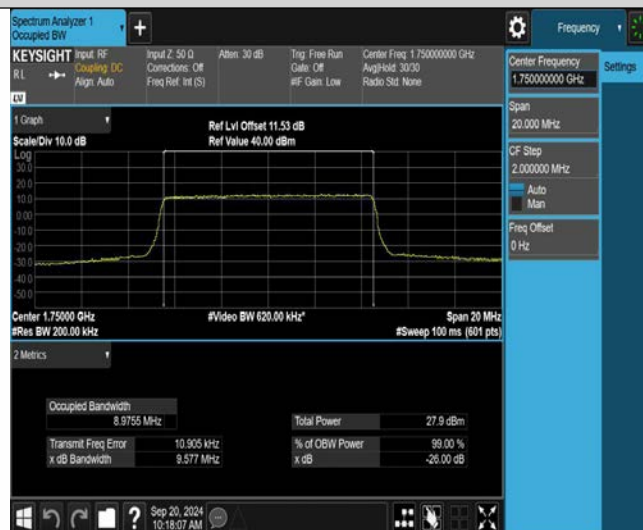
Band4-10MHz-QPSK-20000-50RB#0



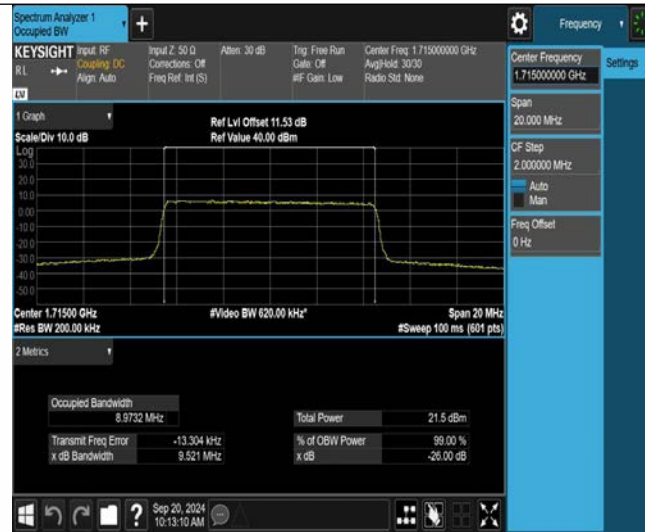
Band4-10MHz-QPSK-20175-50RB#0



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



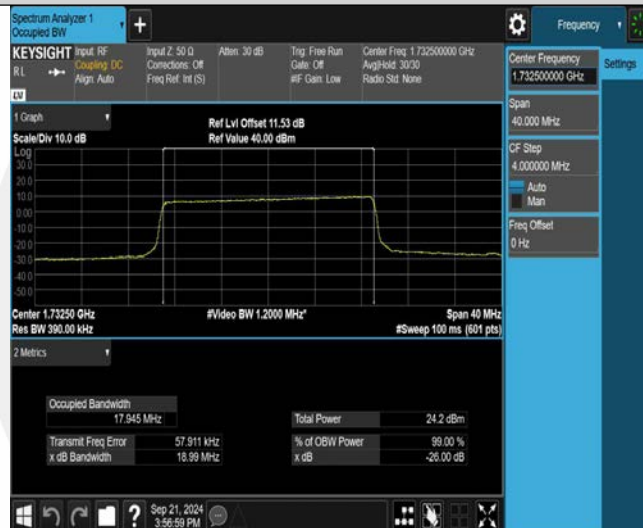
Band4-15MHz-16QAM-20325-75RB#0



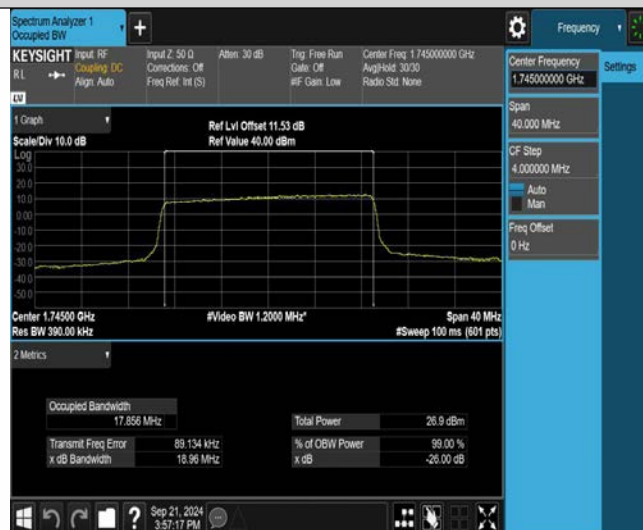
Band4-20MHz-QPSK-20050-100RB#0



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	1RB#0	-26.57	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-41.20	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-28.11	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-37.37	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-23.93	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-24.30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-29.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-42.07	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.77	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-38.15	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-25.65	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-24.88	PASS
Band4	3MHz	QPSK	19965	1RB#0	-16.51	PASS
Band4	3MHz	QPSK	19965	1RB#14	-45.83	PASS
Band4	3MHz	QPSK	19965	15RB#0	-22.59	PASS
Band4	3MHz	QPSK	20385	1RB#0	-43.87	PASS
Band4	3MHz	QPSK	20385	1RB#14	-21.82	PASS
Band4	3MHz	QPSK	20385	15RB#0	-18.84	PASS
Band4	3MHz	16QAM	19965	1RB#0	-53.56	PASS
Band4	3MHz	16QAM	19965	1RB#14	-51.12	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.26	PASS
Band4	3MHz	16QAM	20385	1RB#0	-47.70	PASS
Band4	3MHz	16QAM	20385	1RB#14	-23.37	PASS
Band4	3MHz	16QAM	20385	15RB#0	-20.33	PASS
Band4	5MHz	QPSK	19975	1RB#0	-17.72	PASS
Band4	5MHz	QPSK	19975	1RB#24	-50.58	PASS
Band4	5MHz	QPSK	19975	25RB#0	-25.02	PASS
Band4	5MHz	QPSK	20375	1RB#0	-48.50	PASS
Band4	5MHz	QPSK	20375	1RB#24	-14.01	PASS
Band4	5MHz	QPSK	20375	25RB#0	-21.42	PASS
Band4	5MHz	16QAM	19975	1RB#0	-19.10	PASS
Band4	5MHz	16QAM	19975	1RB#24	-51.29	PASS

Band4	5MHz	16QAM	19975	25RB#0	-27.36	PASS
Band4	5MHz	16QAM	20375	1RB#0	-49.07	PASS
Band4	5MHz	16QAM	20375	1RB#24	-15.05	PASS
Band4	5MHz	16QAM	20375	25RB#0	-22.04	PASS
Band4	10MHz	QPSK	20000	1RB#0	-25.87	PASS
Band4	10MHz	QPSK	20000	1RB#49	-44.97	PASS
Band4	10MHz	QPSK	20000	50RB#0	-26.31	PASS
Band4	10MHz	QPSK	20350	1RB#0	-42.98	PASS
Band4	10MHz	QPSK	20350	1RB#49	-21.03	PASS
Band4	10MHz	QPSK	20350	50RB#0	-21.98	PASS
Band4	10MHz	16QAM	20000	1RB#0	-26.77	PASS
Band4	10MHz	16QAM	20000	1RB#49	-46.45	PASS
Band4	10MHz	16QAM	20000	50RB#0	-29.44	PASS
Band4	10MHz	16QAM	20350	1RB#0	-45.70	PASS
Band4	10MHz	16QAM	20350	1RB#49	-20.43	PASS
Band4	10MHz	16QAM	20350	50RB#0	-24.13	PASS
Band4	15MHz	QPSK	20025	1RB#0	-24.86	PASS
Band4	15MHz	QPSK	20025	1RB#74	-45.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	-25.92	PASS
Band4	15MHz	QPSK	20325	1RB#0	-39.82	PASS
Band4	15MHz	QPSK	20325	1RB#74	-19.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	-20.76	PASS
Band4	15MHz	16QAM	20025	1RB#0	-26.07	PASS
Band4	15MHz	16QAM	20025	1RB#74	-46.09	PASS
Band4	15MHz	16QAM	20025	75RB#0	-29.96	PASS
Band4	15MHz	16QAM	20325	1RB#0	-43.26	PASS
Band4	15MHz	16QAM	20325	1RB#74	-20.13	PASS
Band4	15MHz	16QAM	20325	75RB#0	-24.49	PASS
Band4	20MHz	QPSK	20050	1RB#0	-25.95	PASS
Band4	20MHz	QPSK	20050	1RB#99	-45.33	PASS
Band4	20MHz	QPSK	20050	100RB#0	-26.91	PASS
Band4	20MHz	QPSK	20300	1RB#0	-43.74	PASS
Band4	20MHz	QPSK	20300	1RB#99	-20.29	PASS
Band4	20MHz	QPSK	20300	100RB#0	-21.62	PASS
Band4	20MHz	16QAM	20050	1RB#0	-26.42	PASS
Band4	20MHz	16QAM	20050	1RB#99	-46.08	PASS
Band4	20MHz	16QAM	20050	100RB#0	-29.92	PASS

Band4	20MHz	16QAM	20300	1RB#0	-45.23	PASS
Band4	20MHz	16QAM	20300	1RB#99	-20.86	PASS
Band4	20MHz	16QAM	20300	100RB#0	-24.29	PASS



Test Graphs

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



Band4-1.4MHz-QPSK-19957-1RB#5



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



Band4-1.4MHz-QPSK-20393-1RB#0



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



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



Band4-1.4MHz-16QAM-19957-1RB#0



Band4-1.4MHz-16QAM-19957-1RB#5



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



Band4-1.4MHz-16QAM-20393-1RB#0



Band4-1.4MHz-16QAM-20393-1RB#5



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



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



Band4-3MHz-QPSK-19965-1RB#14



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



Band4-3MHz-QPSK-20385-1RB#0



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



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



Band4-3MHz-16QAM-19965-1RB#0



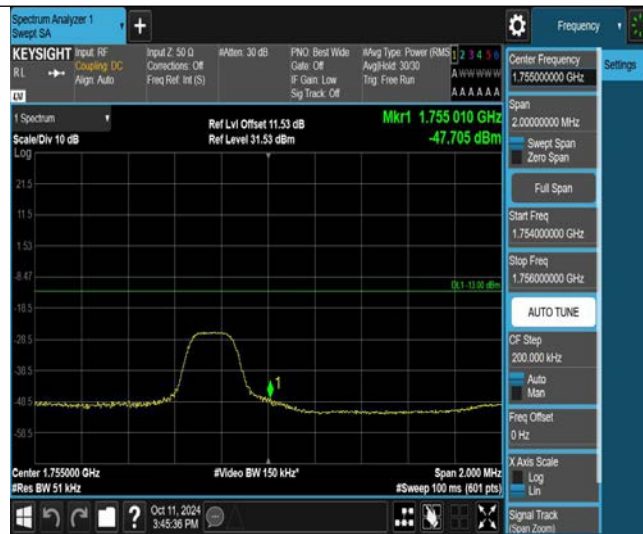
Band4-3MHz-16QAM-19965-1RB#14



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



Band4-3MHz-16QAM-20385-1RB#0



Band4-3MHz-16QAM-20385-1RB#14



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



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



Band4-5MHz-QPSK-19975-1RB#24



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



Band4-5MHz-QPSK-20375-1RB#0



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



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



Band4-5MHz-16QAM-19975-1RB#0



Band4-5MHz-16QAM-19975-1RB#24



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



Band4-5MHz-16QAM-20375-1RB#0



Band4-5MHz-16QAM-20375-1RB#24



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



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



Band4-10MHz-QPSK-20000-1RB#49



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



Band4-10MHz-QPSK-20350-1RB#0