

LTE Band 4 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	22.83	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.95	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.83	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.83	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.82	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.82	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.90	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.98	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.07	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.97	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.96	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.02	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.98	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.93	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.98	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.96	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.92	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.99	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.99	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.99	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.98	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.14	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.01	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.75	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.74	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.74	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.85	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.94	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.81	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.84	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.87	PASS

Band4	1.4MHz	16QAM	20175	3RB#3	21.81	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.12	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.16	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.05	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.88	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.90	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.88	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.05	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.91	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.89	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.91	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.93	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.97	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.91	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.91	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.07	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.05	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.06	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.15	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.13	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.12	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.05	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.03	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.99	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.99	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.06	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.05	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.04	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.03	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.09	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.17	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.04	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.99	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.95	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.98	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.88	PASS

Band4	3MHz	16QAM	20175	1RB#0	21.97	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.95	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.91	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.08	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.13	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.10	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.13	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.21	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.10	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.06	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.05	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.11	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.07	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.05	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.08	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.04	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.96	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.99	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.93	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.01	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.08	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.06	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.01	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.94	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.94	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.90	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.93	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.98	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.02	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.10	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.97	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.03	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.99	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.02	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.27	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.32	PASS

Band4	5MHz	16QAM	19975	1RB#24	22.27	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.10	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.01	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.99	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.99	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.26	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.27	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.24	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.99	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.01	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.99	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.91	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.21	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.36	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.31	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.03	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.09	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.02	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.03	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.91	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.02	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.02	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.04	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.99	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.99	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.22	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.08	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.04	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.18	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.14	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.05	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.10	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.03	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.01	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.03	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.06	PASS

Band4	10MHz	QPSK	20350	25RB#12	22.05	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.06	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.07	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.31	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.14	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.19	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.02	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.05	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.99	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.06	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.94	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.09	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.22	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.17	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.13	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.11	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.19	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.21	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.22	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.04	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.05	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.04	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.07	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.09	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.93	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.98	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.01	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.06	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.02	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.34	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.13	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.17	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.18	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.22	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.16	PASS

Band4	15MHz	QPSK	20175	75RB#0	22.20	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.11	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.03	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.14	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.12	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.07	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.12	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.11	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.31	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.16	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.31	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.01	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.01	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.02	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.04	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.25	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.03	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.12	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.16	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.17	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.21	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.17	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.25	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.20	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.32	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.05	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.10	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.11	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.05	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.19	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.13	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.02	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.08	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.10	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.06	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.15	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.28	PASS

Band4	20MHz	QPSK	20175	1RB#49	22.98	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.97	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.26	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.27	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.15	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.22	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.21	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.09	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.15	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.13	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.08	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.04	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.11	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.36	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.28	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.22	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.06	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.11	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.05	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.10	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.44	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.13	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.15	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.27	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.30	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.15	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.23	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.22	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.08	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.16	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.09	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.11	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.07	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.11	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	4.91	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.58	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.84	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.51	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.85	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.48	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.78	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.34	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.68	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.34	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.84	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.44	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.78	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.43	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.79	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.38	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.76	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.37	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.62	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.25	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.69	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.26	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.56	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.24	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.82	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.51	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.82	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.51	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.82	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.55	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.68	13	PASS

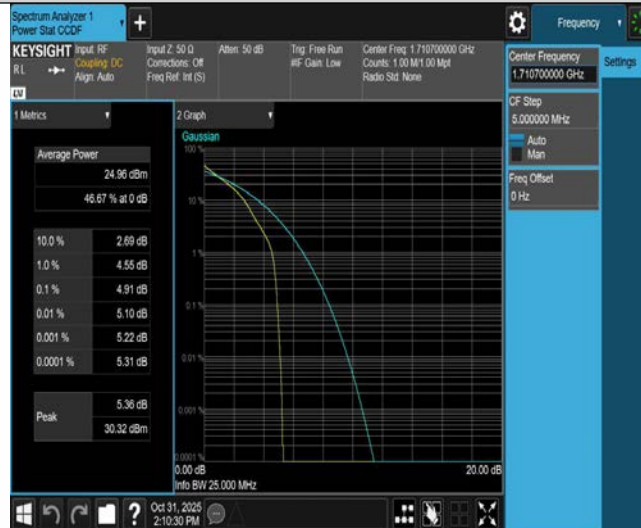
Band4	5MHz	16QAM	19975	25RB#0	6.28	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.54	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.26	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.64	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.32	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.70	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.46	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.66	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.38	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.67	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.36	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.51	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.26	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.48	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.20	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.62	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.17	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.67	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.56	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.68	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.55	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.63	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.54	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.47	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.25	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.45	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.22	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.57	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.23	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.65	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.18	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.65	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.29	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.61	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.31	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.52	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.05	13	PASS

Band4	20MHz	16QAM	20175	1RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.10	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.56	13	PASS
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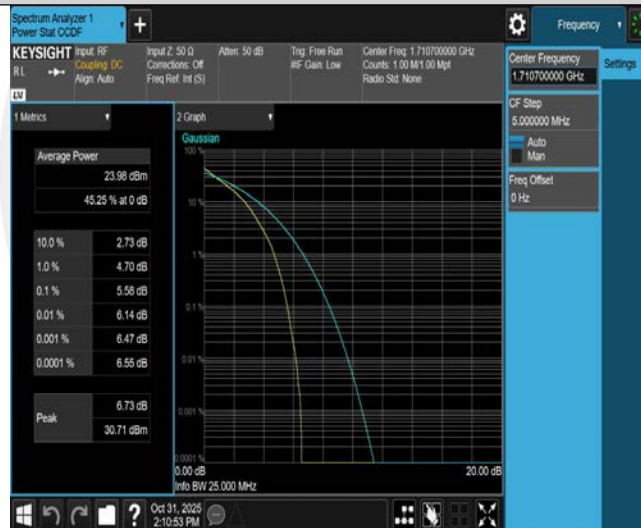


Test Graphs

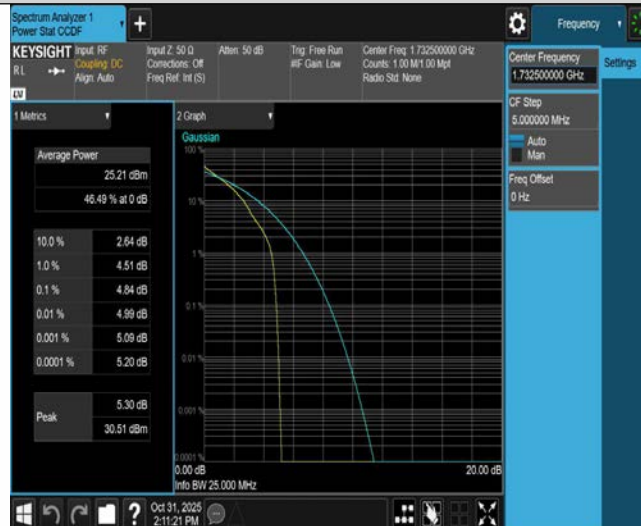
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Band4-1.4MHz-QPSK-19957-6RB#0



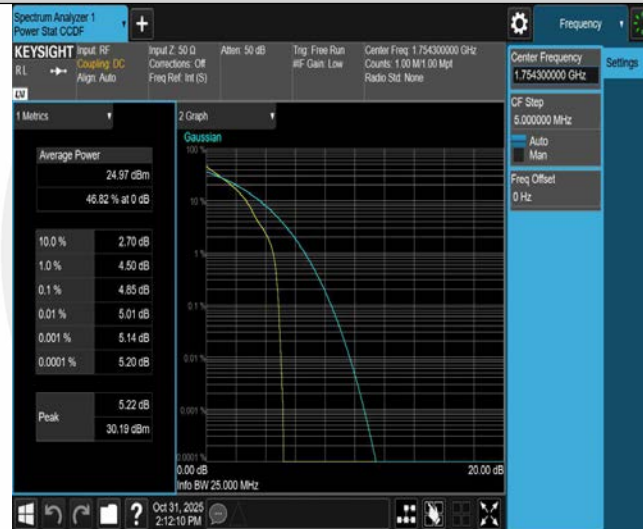
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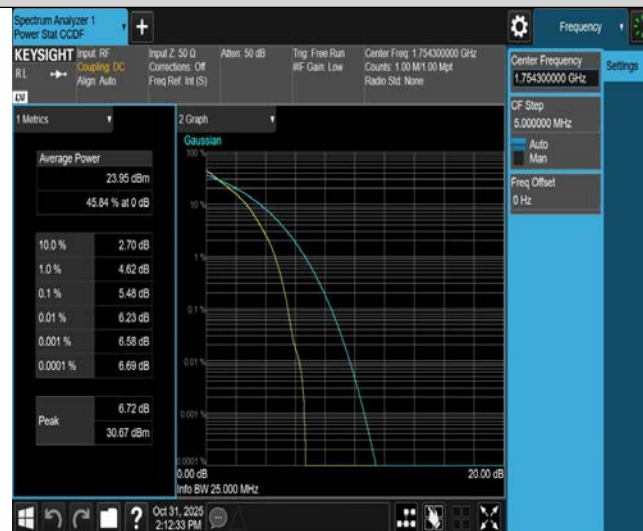
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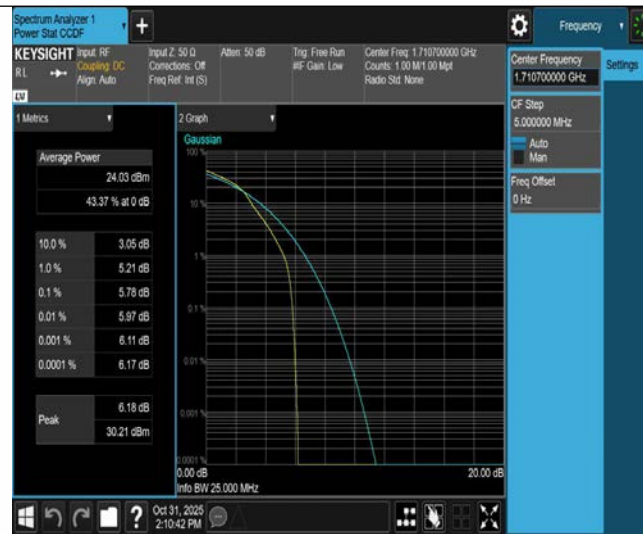
Band4-1.4MHz-QPSK-20393-1RB#0



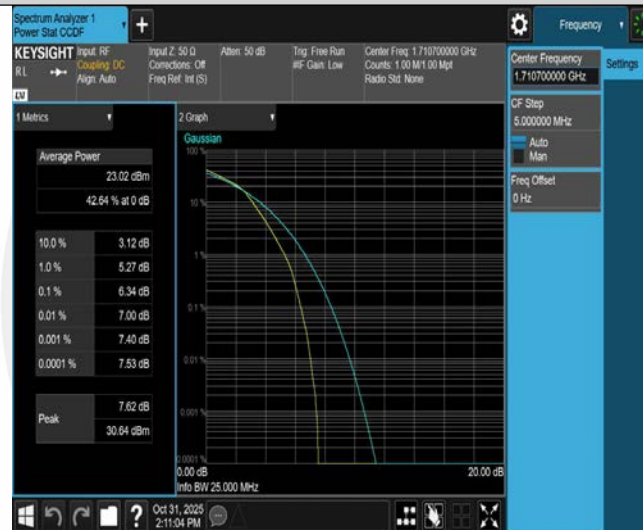
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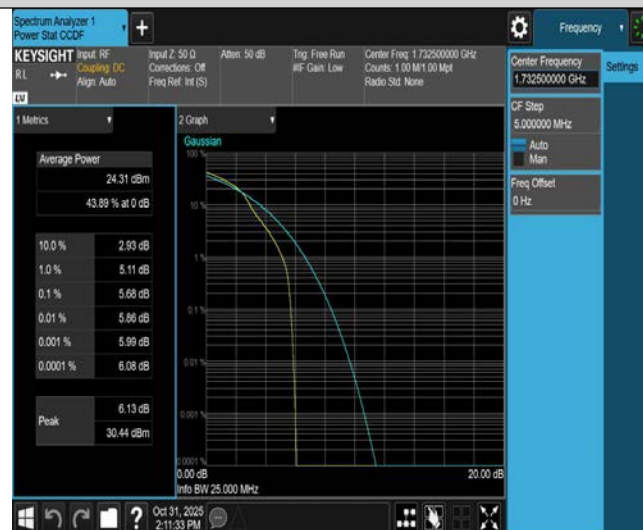
Band4-1.4MHz-16QAM-19957-1RB#0



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



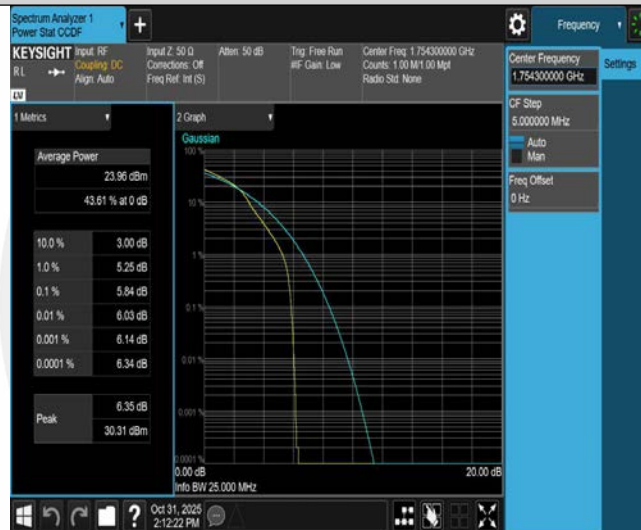
Band4-1.4MHz-16QAM-20175-1RB#0



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



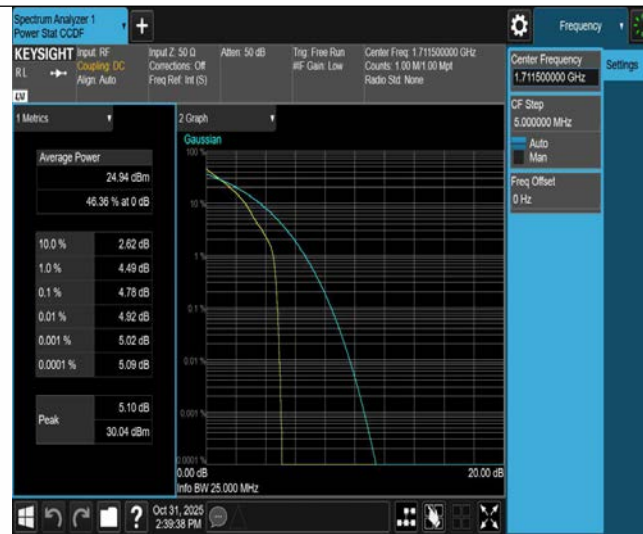
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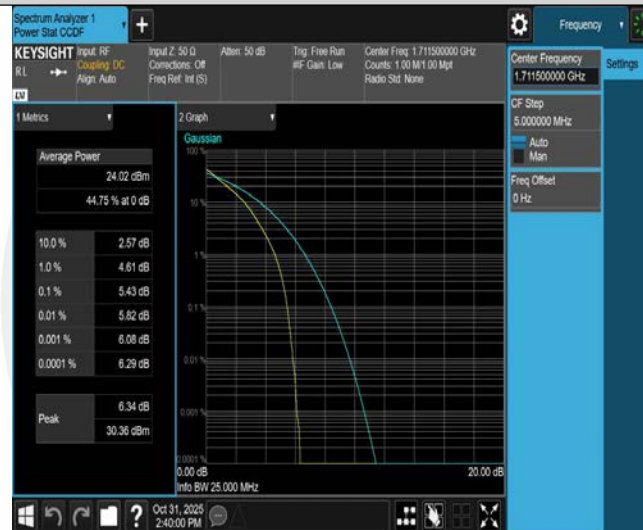
Band4-1.4MHz-16QAM-20393-6RB#0



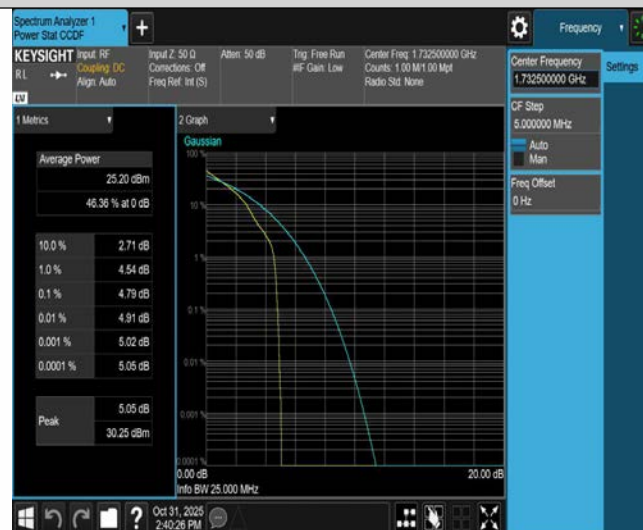
Band4-3MHz-QPSK-19965-1RB#0



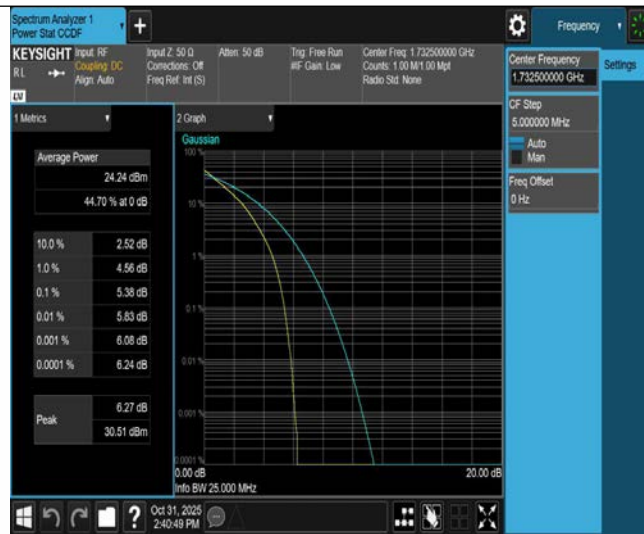
Band4-3MHz-QPSK-19965-15RB#0



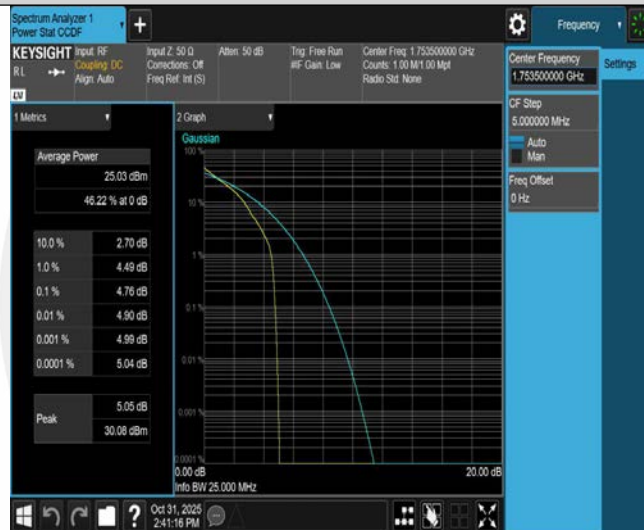
Band4-3MHz-QPSK-20175-1RB#0



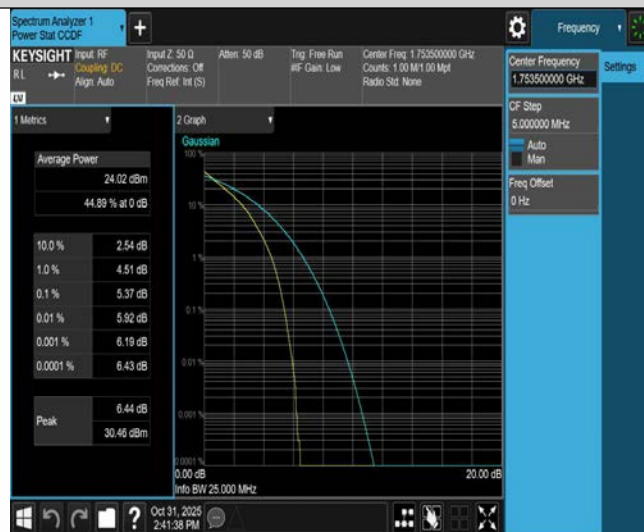
Band4-3MHz-QPSK-20175-15RB#0



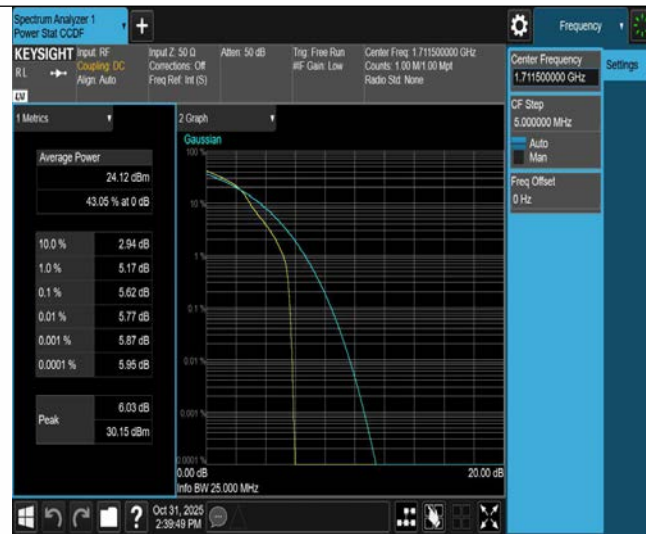
Band4-3MHz-QPSK-20385-1RB#0



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



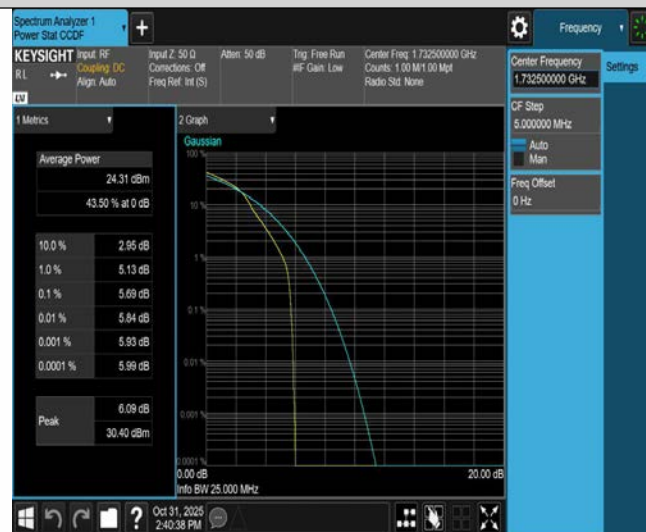
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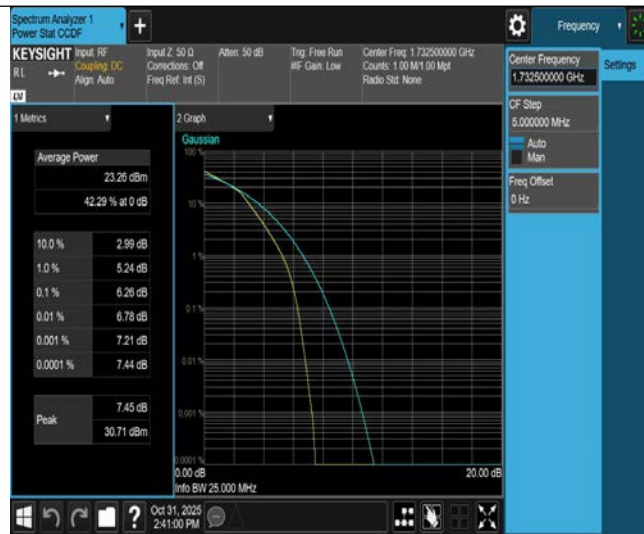
Band4-3MHz-16QAM-19965-15RB#0



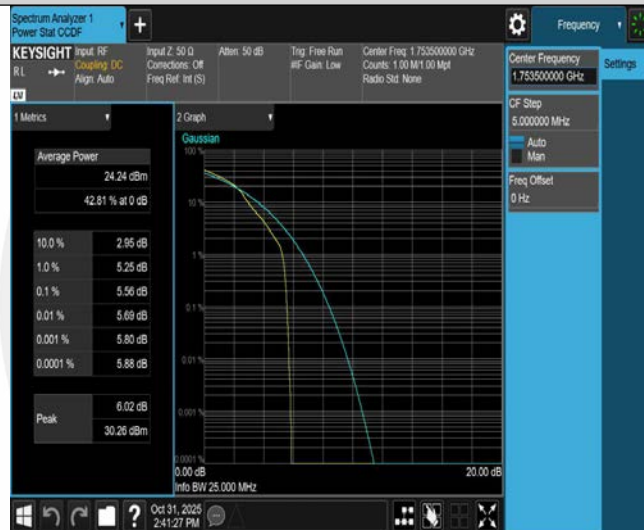
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Band4-3MHz-16QAM-20175-15RB#0



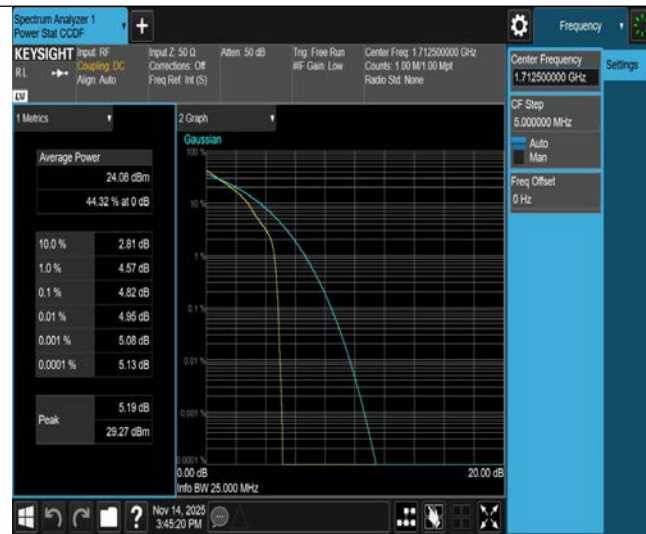
Band4-3MHz-16QAM-20385-1RB#0



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



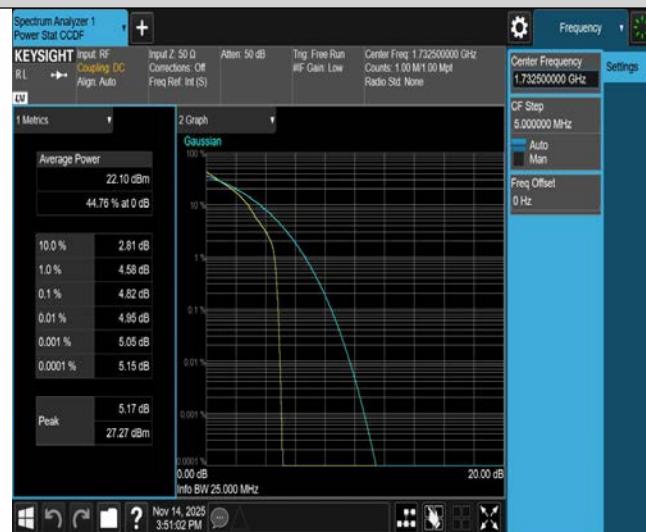
Band4-5MHz-QPSK-19975-1RB#0



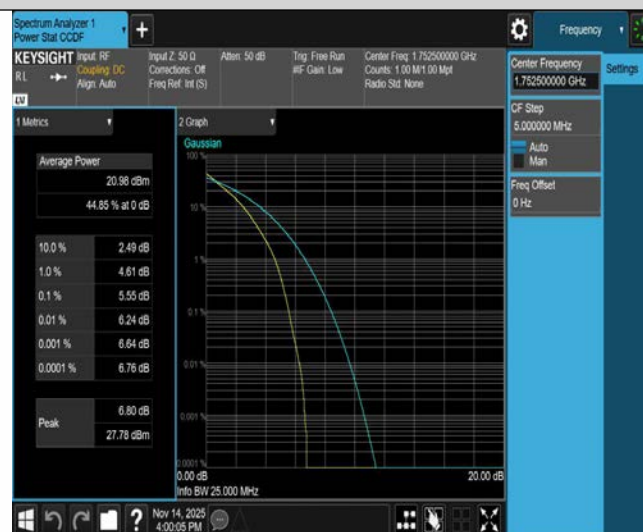
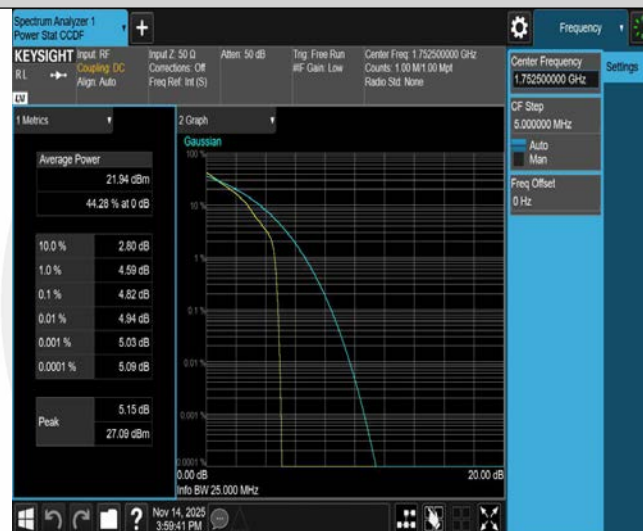
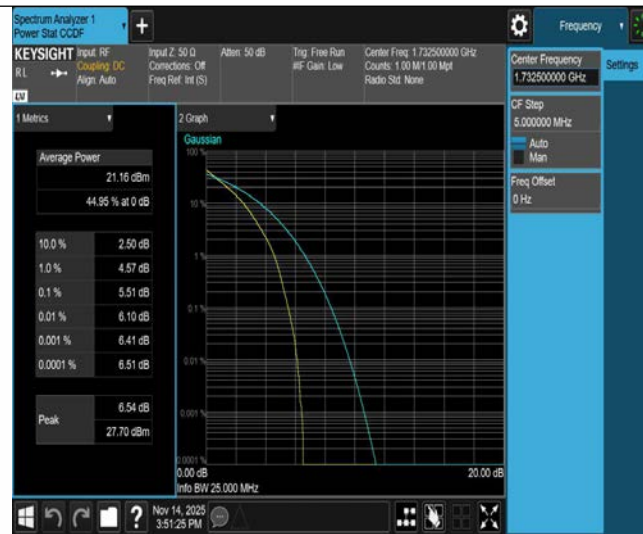
Band4-5MHz-QPSK-19975-25RB#0

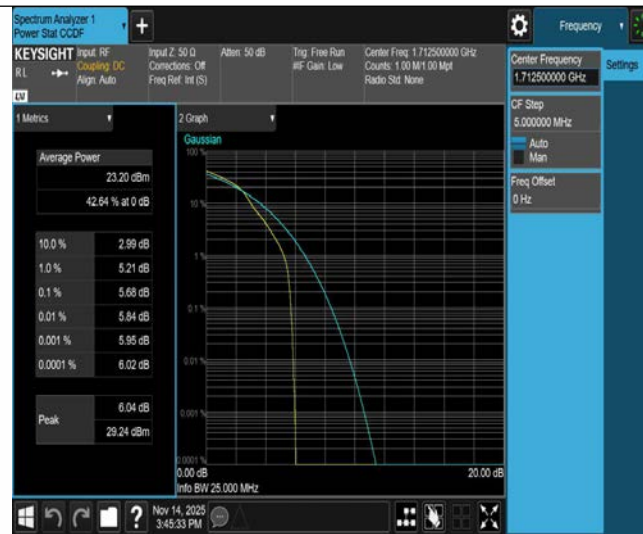


Band4-5MHz-QPSK-20175-1RB#0

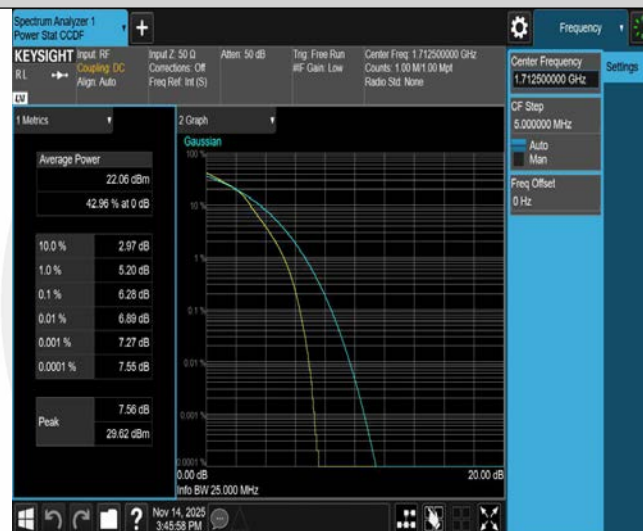


Band4-5MHz-QPSK-20175-25RB#0

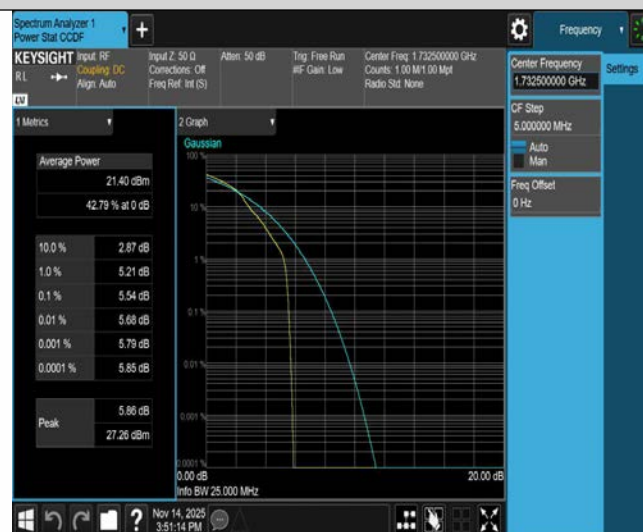




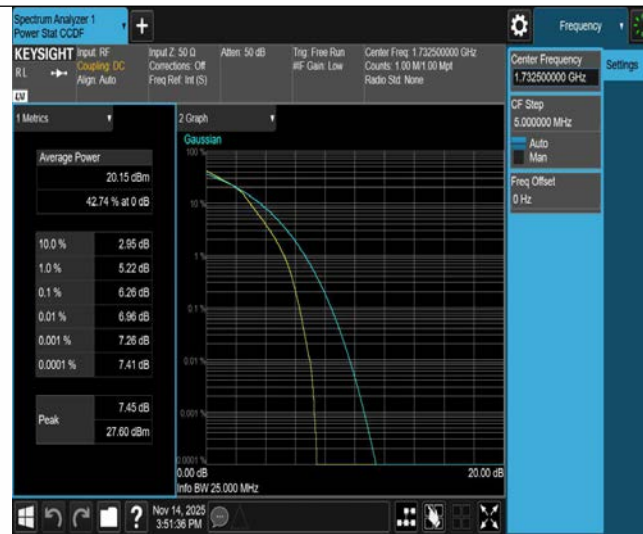
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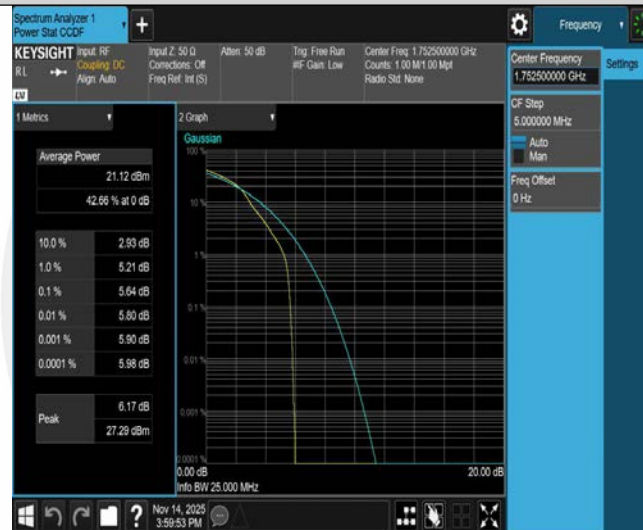
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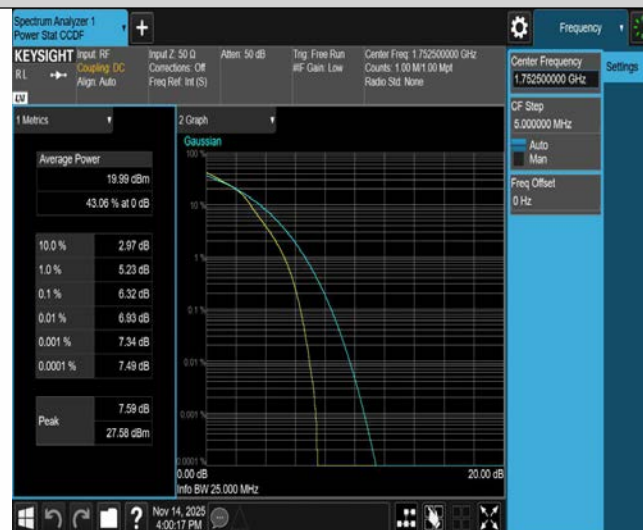
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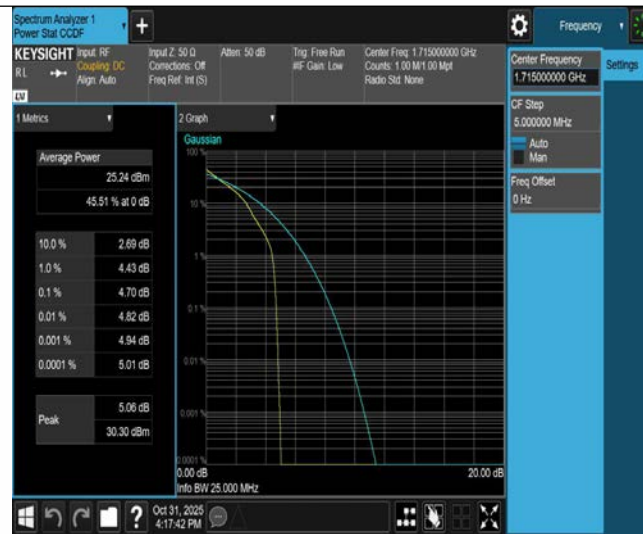
Band4-5MHz-16QAM-20375-1RB#0



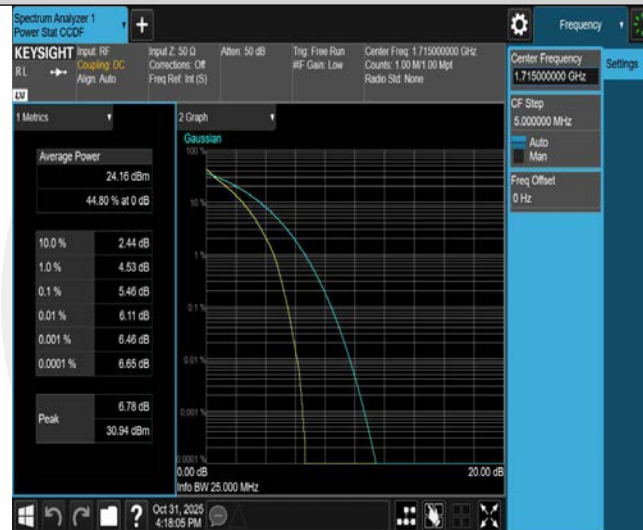
Band4-5MHz-16QAM-20375-25RB#0



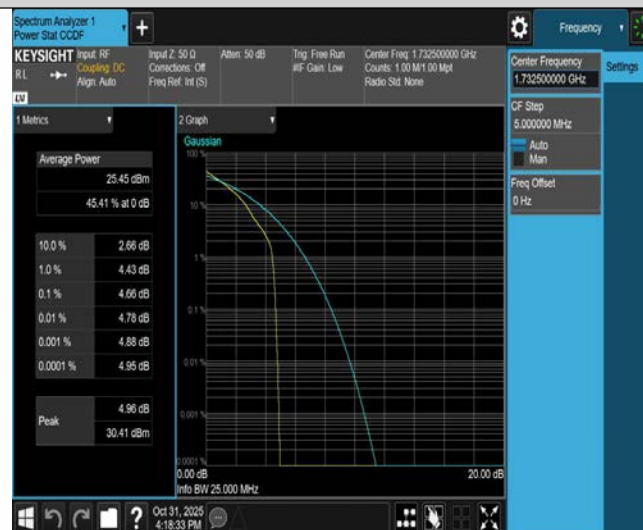
Band4-10MHz-QPSK-20000-1RB#0



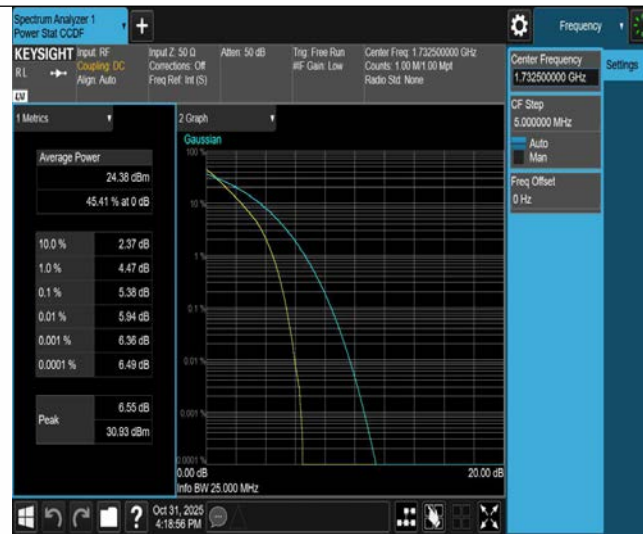
Band4-10MHz-QPSK-20000-50RB#0



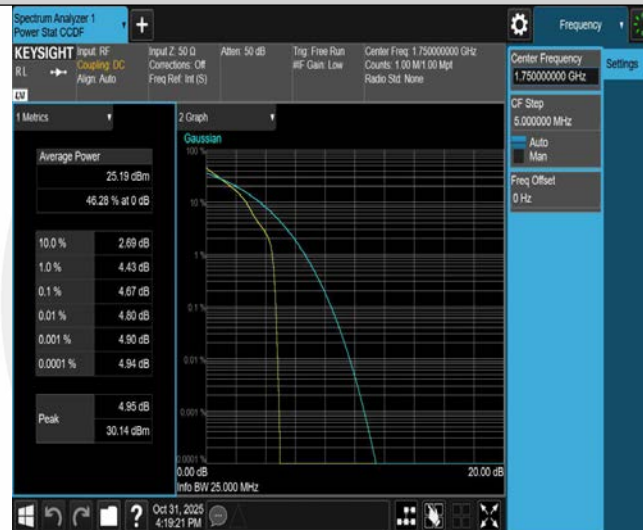
Band4-10MHz-QPSK-20175-1RB#0



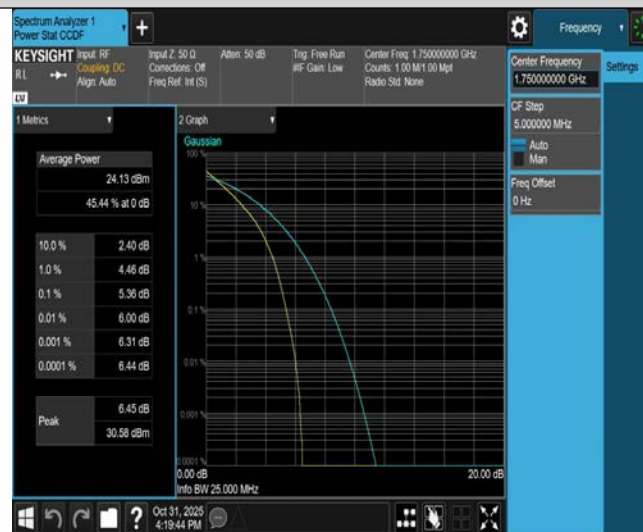
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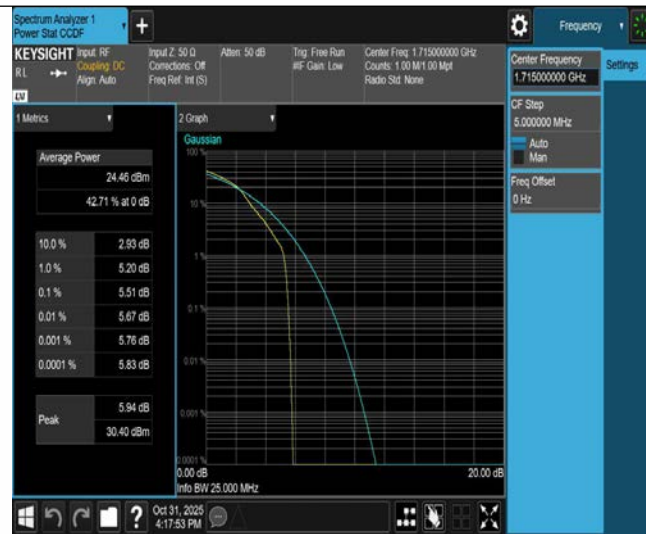
Band4-10MHz-QPSK-20350-1RB#0



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



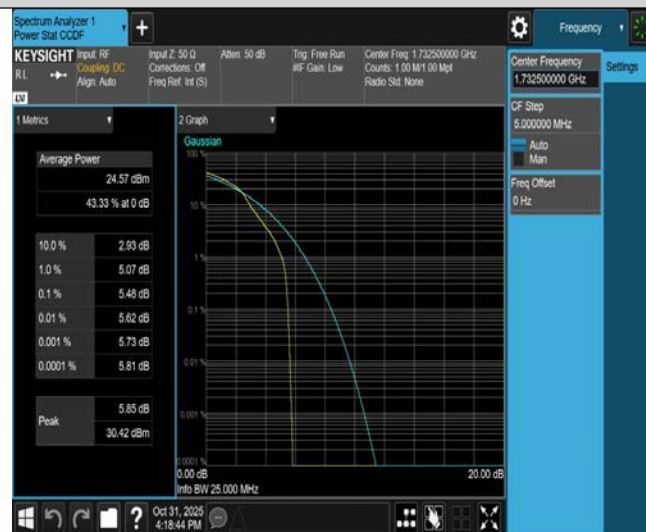
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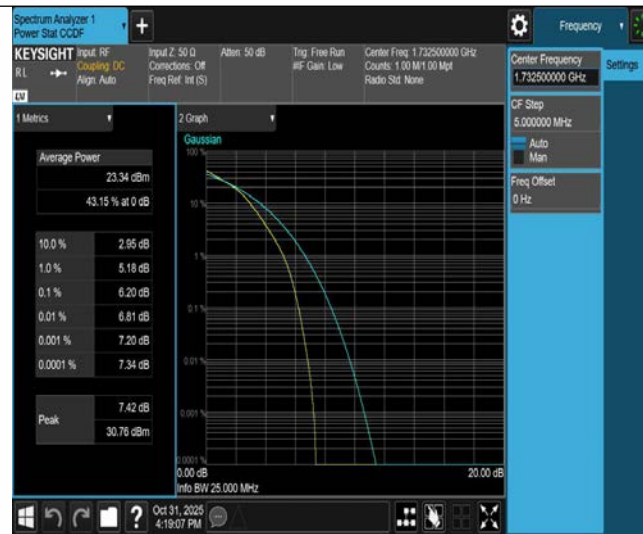
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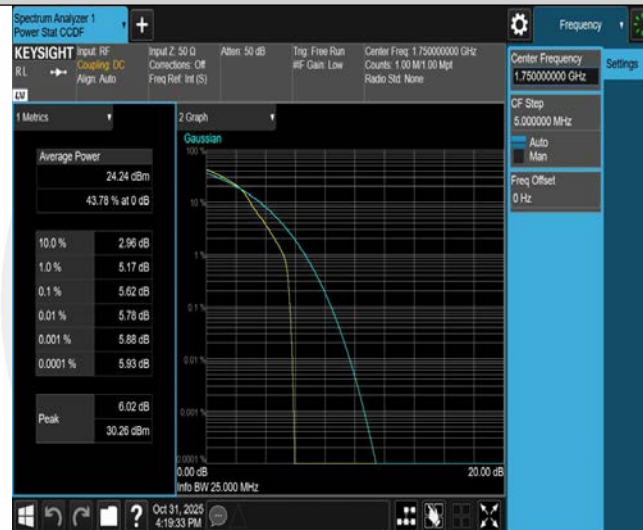
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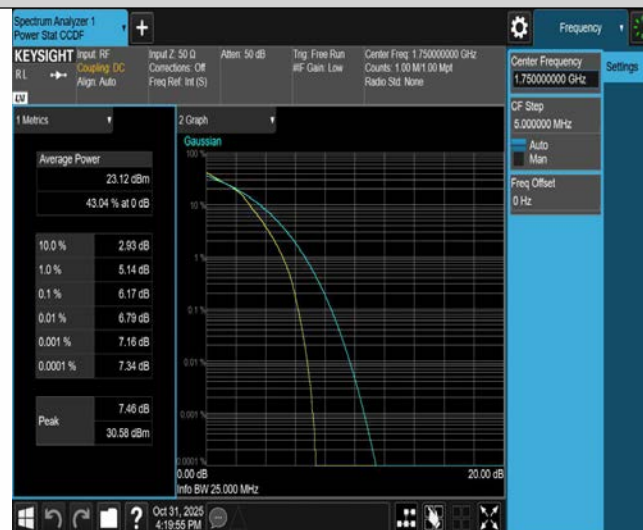
Band4-10MHz-16QAM-20175-50RB#0



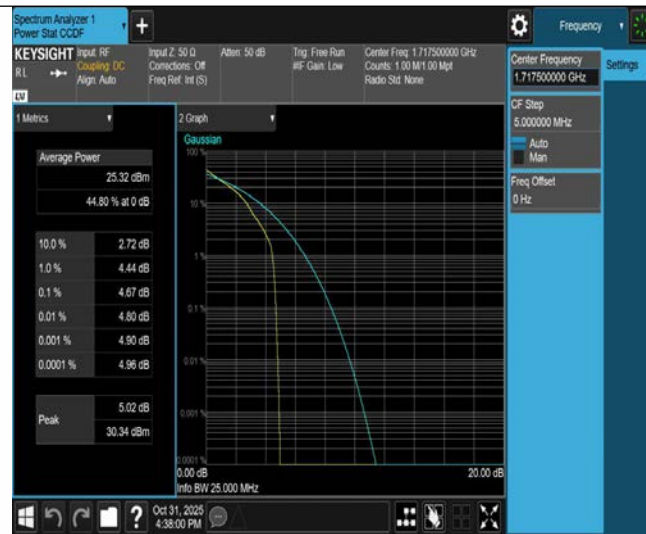
Band4-10MHz-16QAM-20350-1RB#0



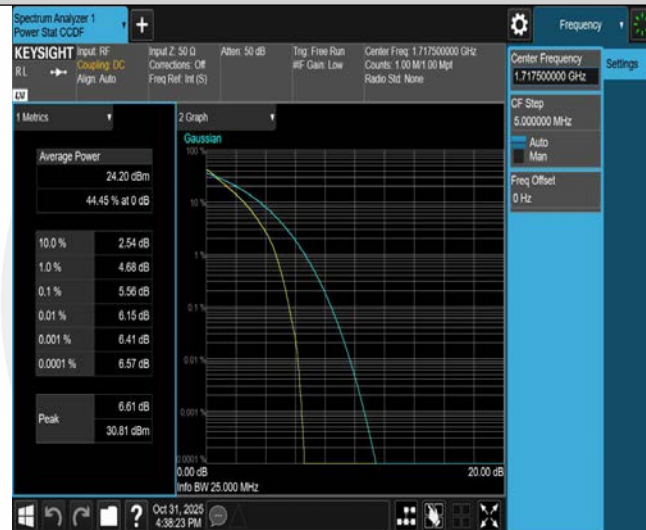
Band4-10MHz-16QAM-20350-50RB#0



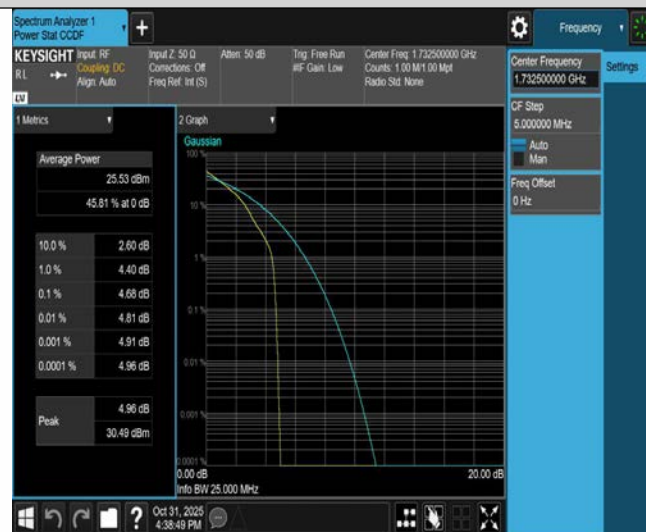
Band4-15MHz-QPSK-20025-1RB#0



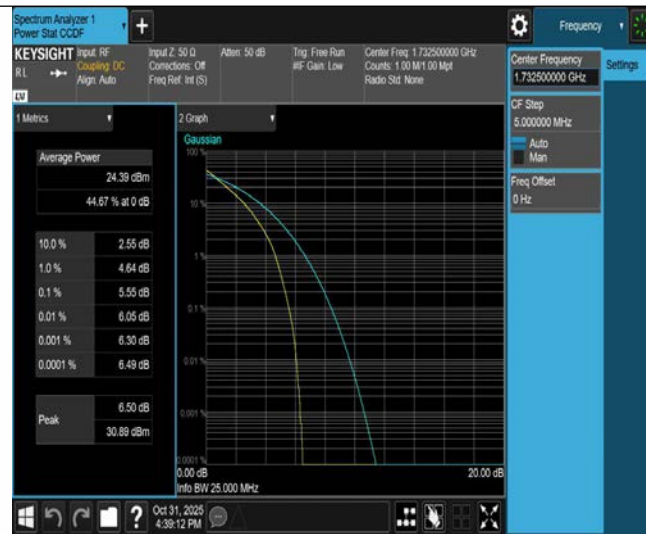
Band4-15MHz-QPSK-20025-75RB#0



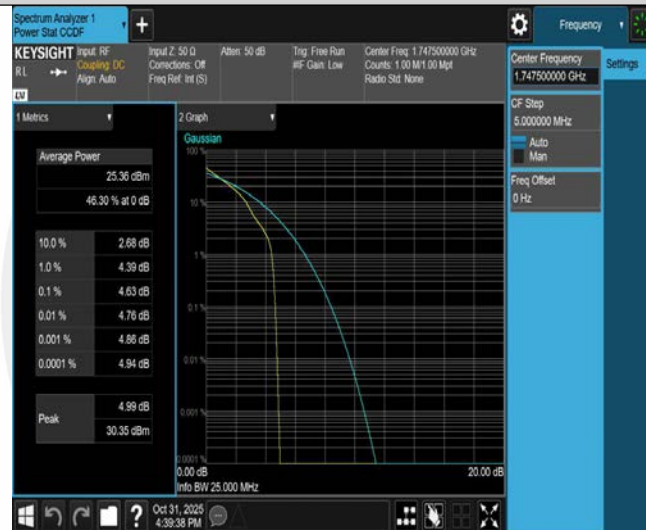
Band4-15MHz-QPSK-20175-1RB#0



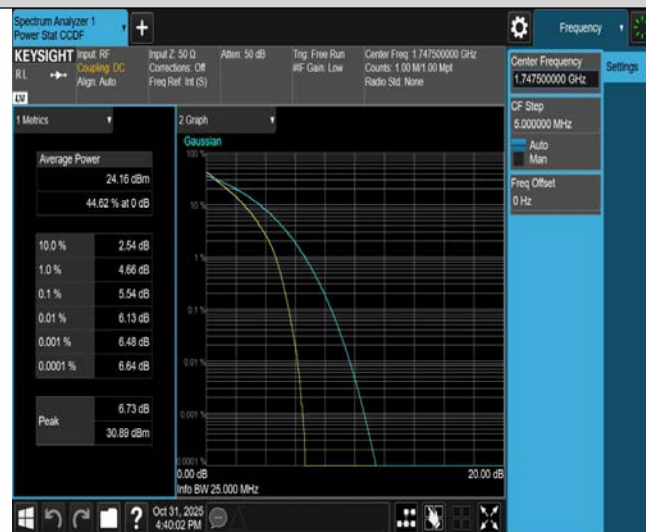
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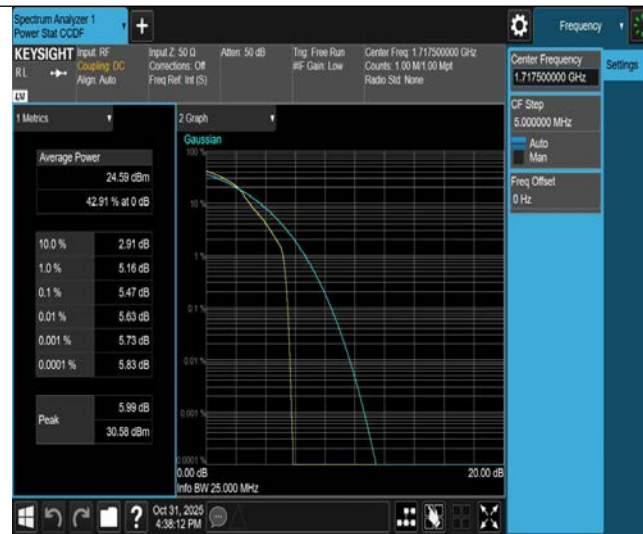
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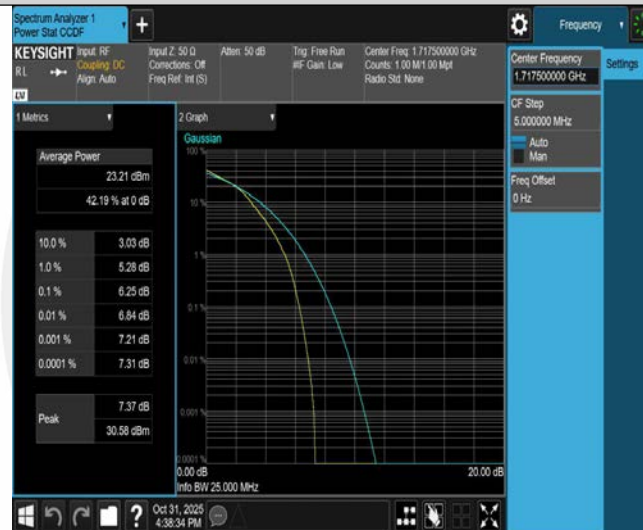
Band4-15MHz-QPSK-20325-75RB#0



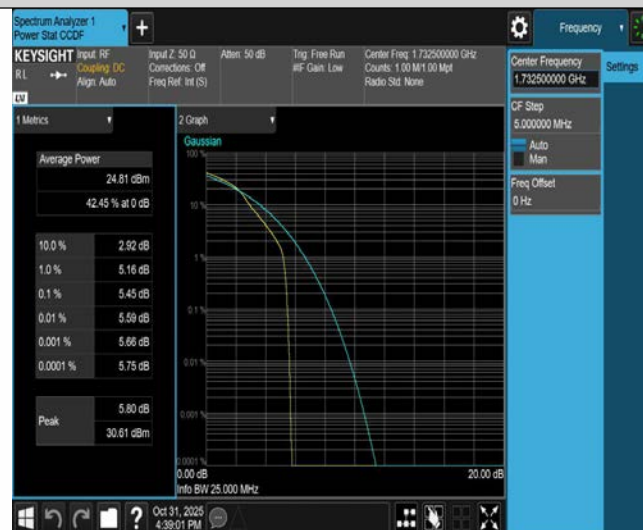
Band4-15MHz-16QAM-20025-1RB#0



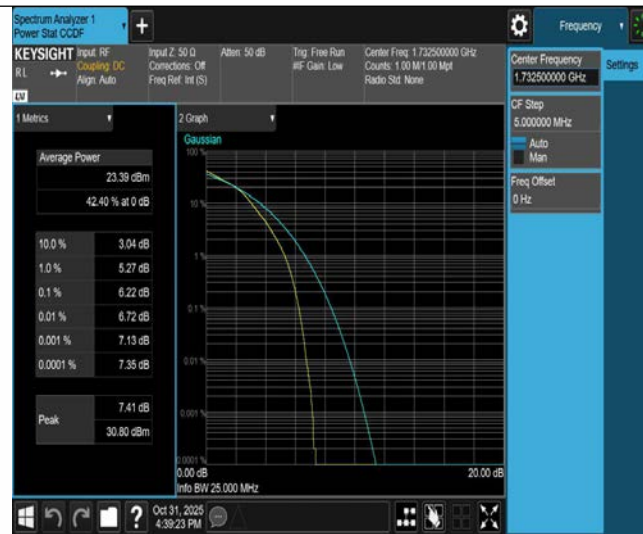
Band4-15MHz-16QAM-20025-75RB#0



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



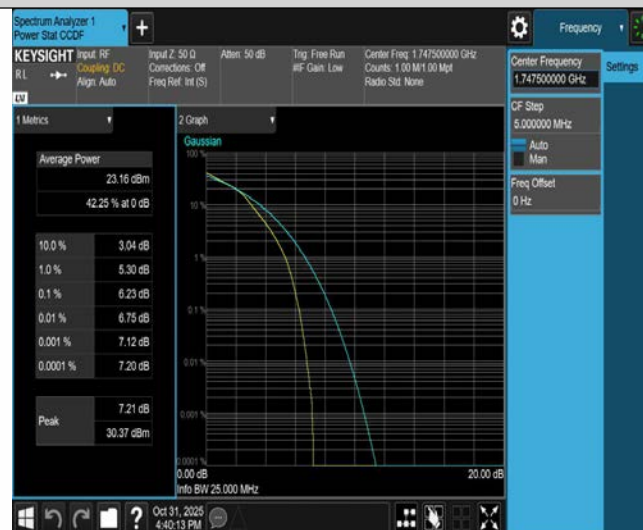
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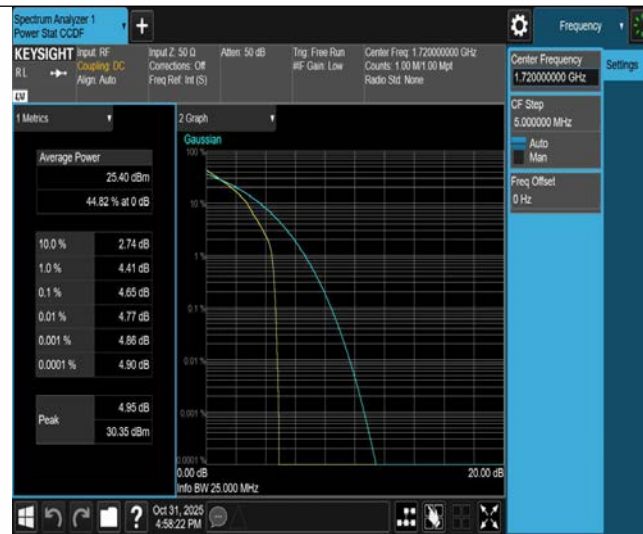
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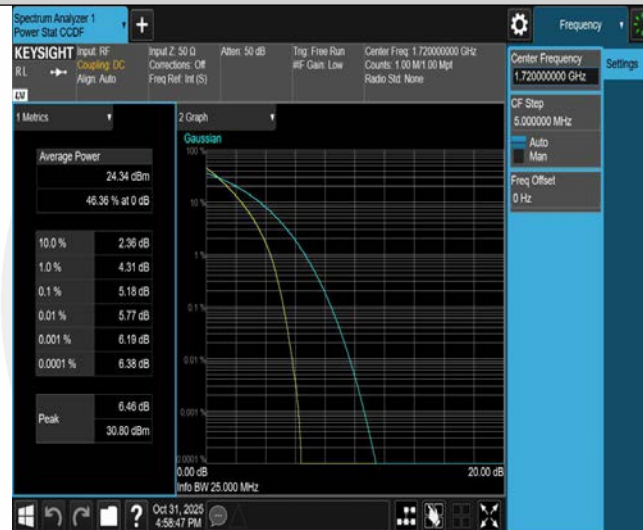
Band4-15MHz-16QAM-20325-75RB#0



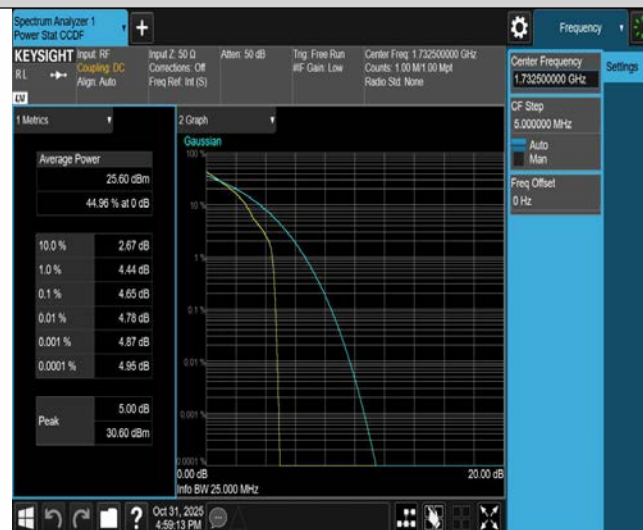
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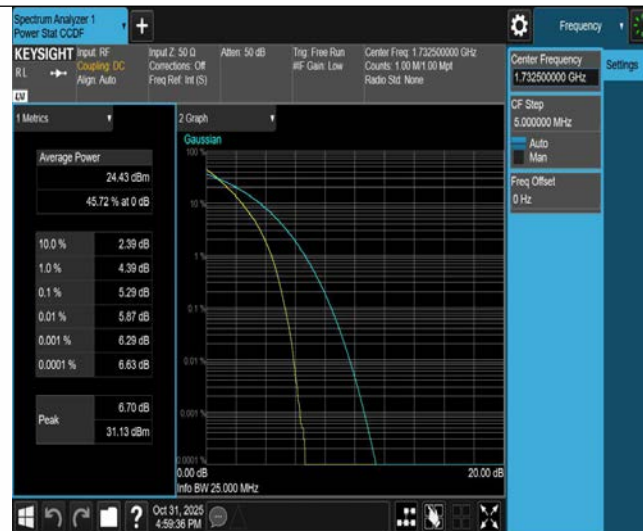
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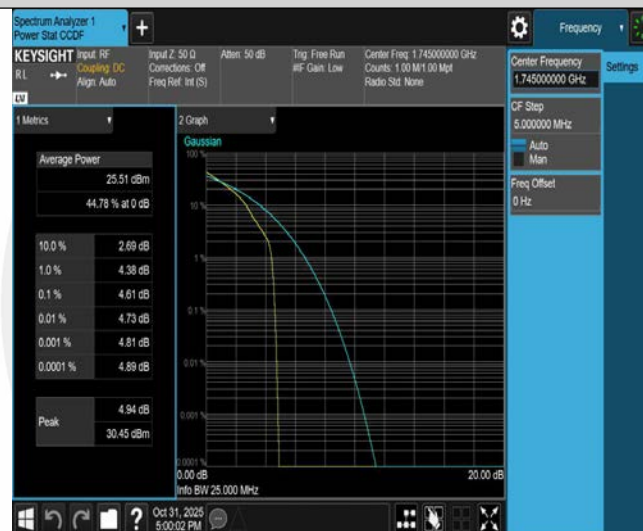
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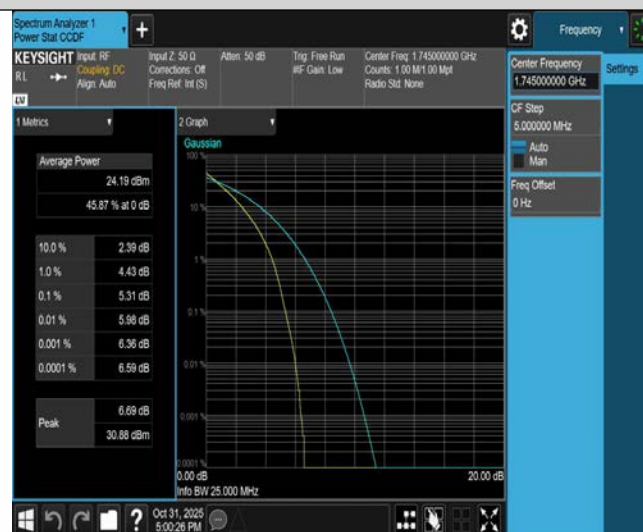
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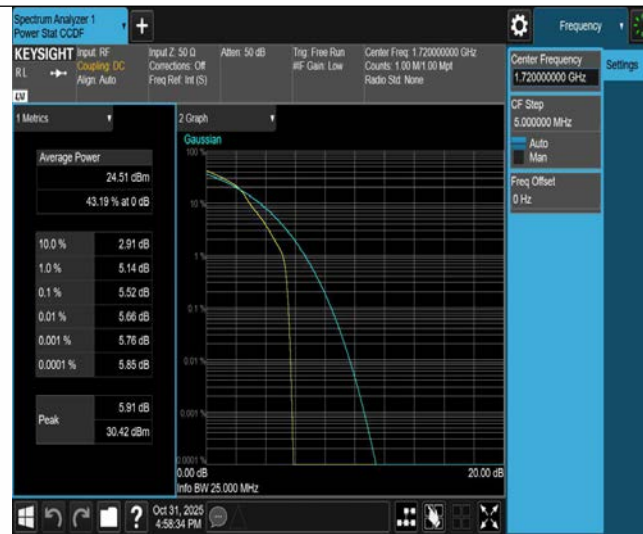
Band4-20MHz-QPSK-20300-1RB#0



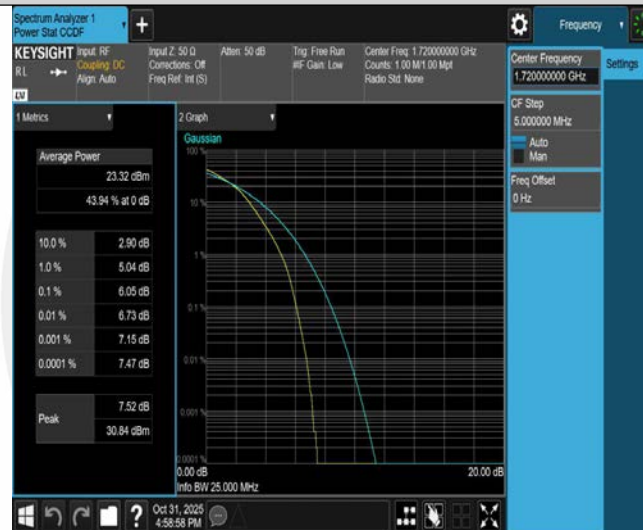
Band4-20MHz-QPSK-20300-100RB#0



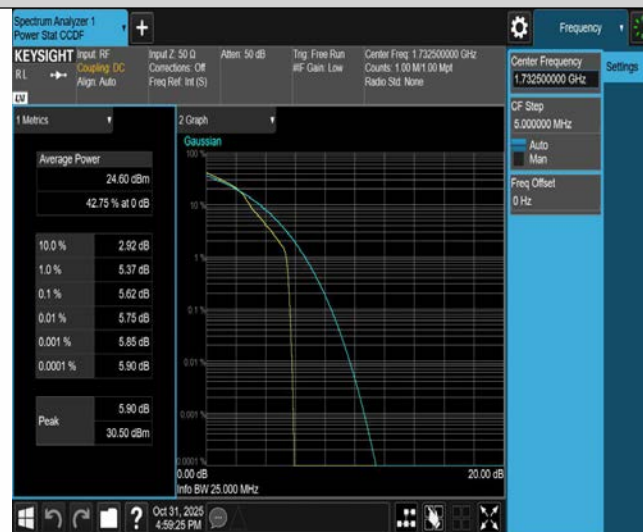
Band4-20MHz-16QAM-20050-1RB#0



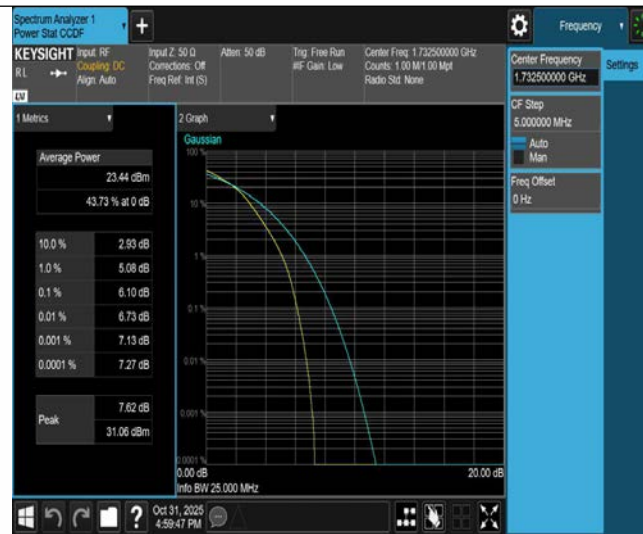
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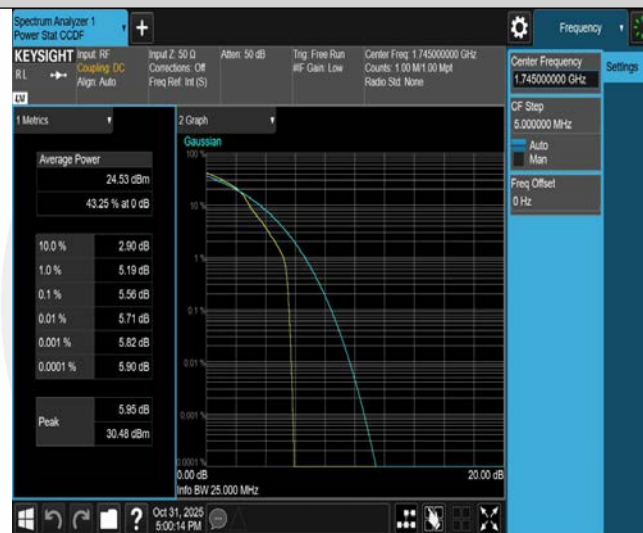
Band4-20MHz-16QAM-20175-1RB#0



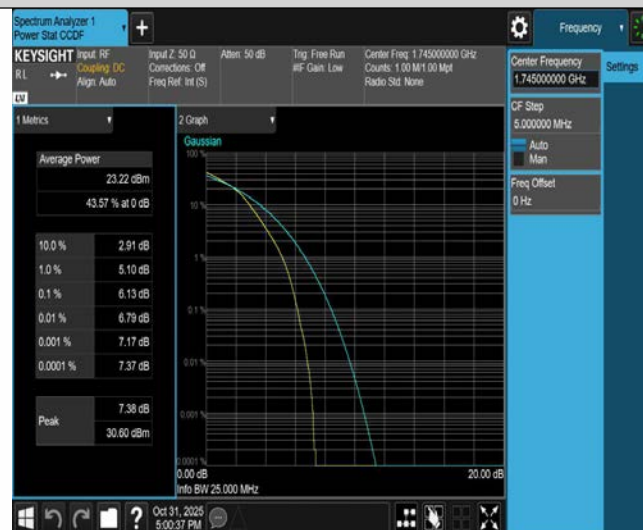
Band4-20MHz-16QAM-20175-100RB#0



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



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

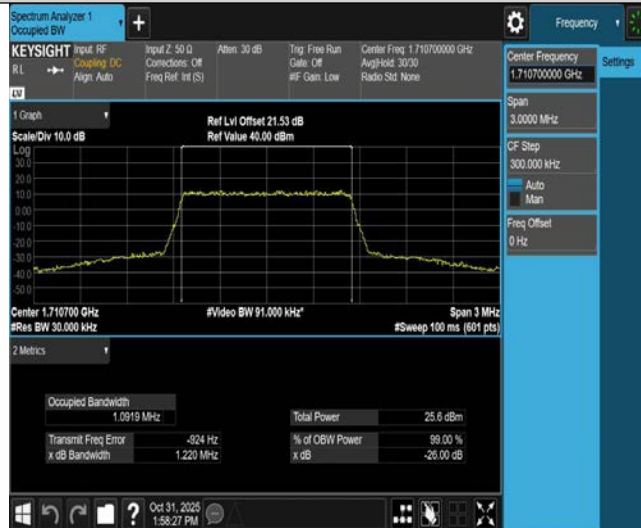
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0919	1.220	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0887	1.222	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0852	1.214	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0889	1.224	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0891	1.210	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0891	1.224	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6987	2.917	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6979	2.914	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6961	2.926	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6905	2.922	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6958	2.886	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6891	2.910	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4970	4.855	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4944	4.859	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5008	4.891	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5000	4.878	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4978	4.875	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5041	4.845	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9800	9.521	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9623	9.520	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9681	9.559	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9754	9.524	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9639	9.540	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9646	9.523	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.443	14.25	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.452	14.25	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.453	14.31	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.431	14.27	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.453	14.25	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.466	14.28	PASS

Band4	20MHz	QPSK	20050	100RB#0	17.885	19.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.919	18.96	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.964	18.98	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.889	18.95	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.909	18.99	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.945	18.97	PASS

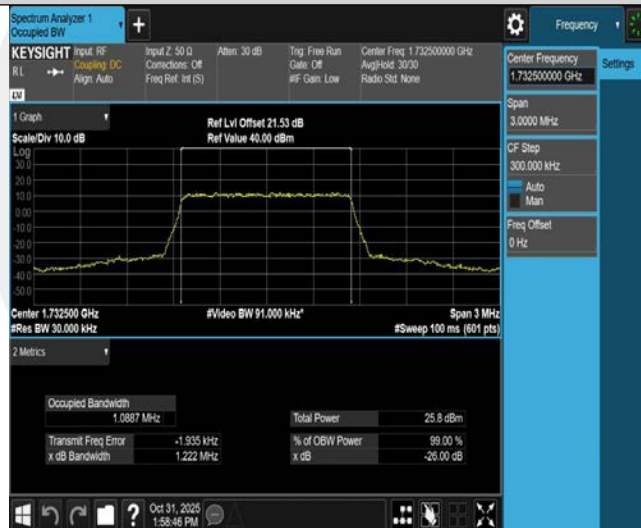


Test Graphs

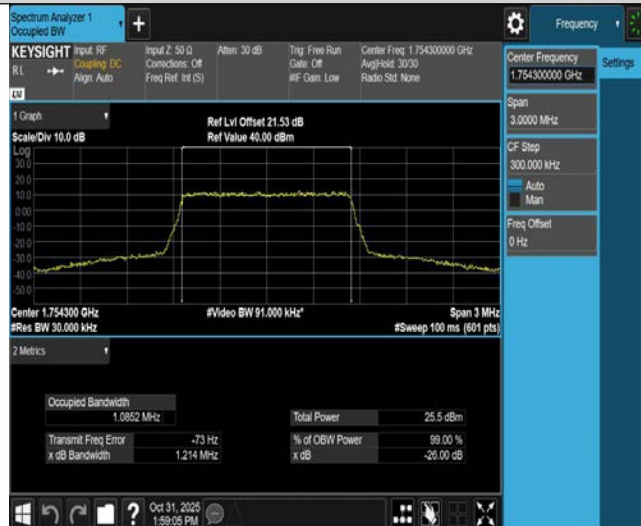
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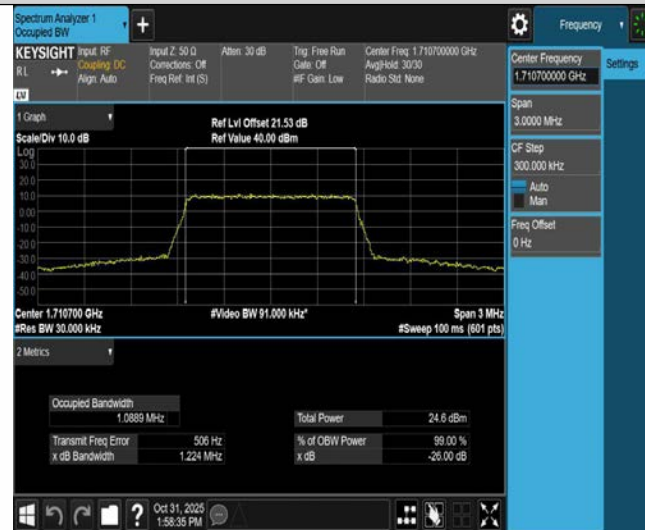
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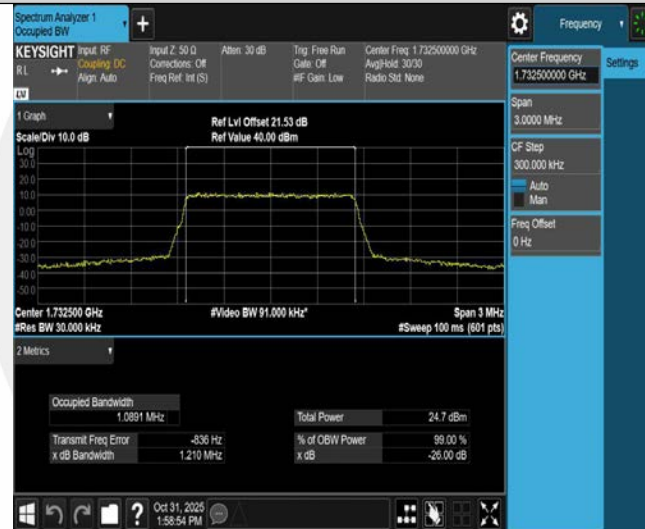
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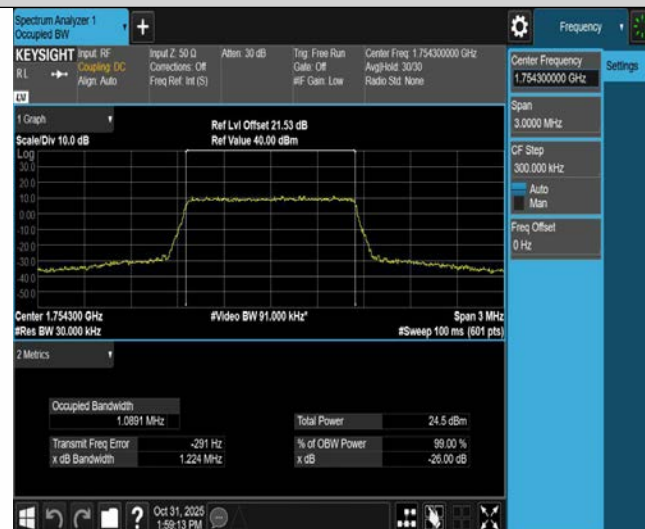
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Band4-1.4MHz-16QAM-20175-6RB#0



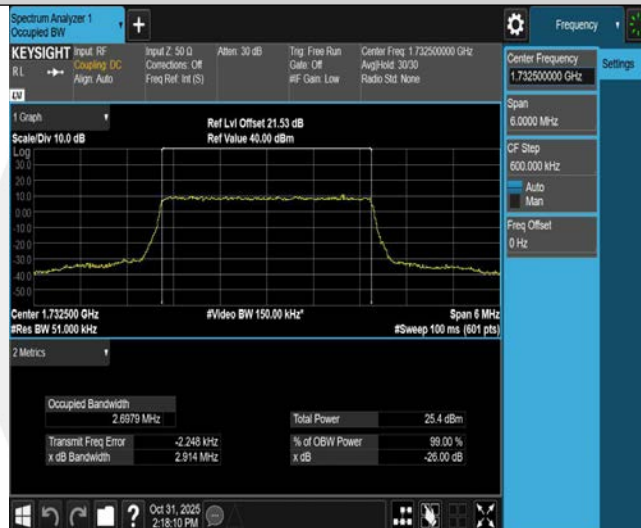
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Band4-3MHz-QPSK-19965-15RB#0



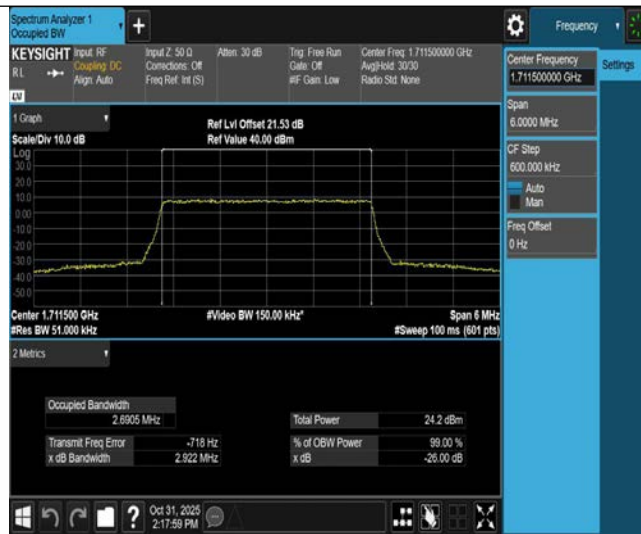
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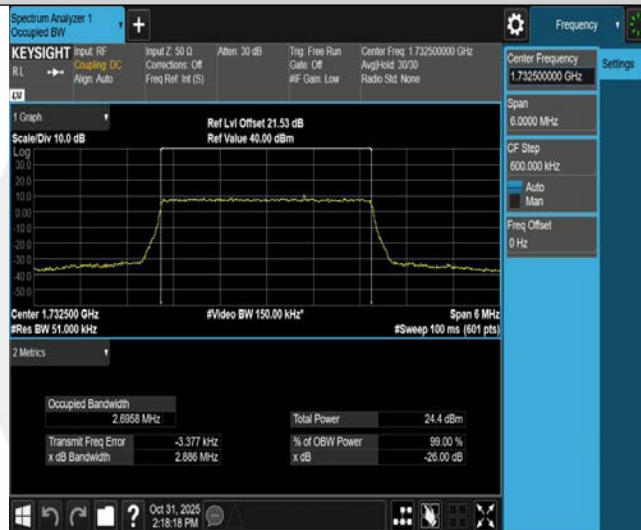
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Band4-3MHz-16QAM-19965-15RB#0



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



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



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



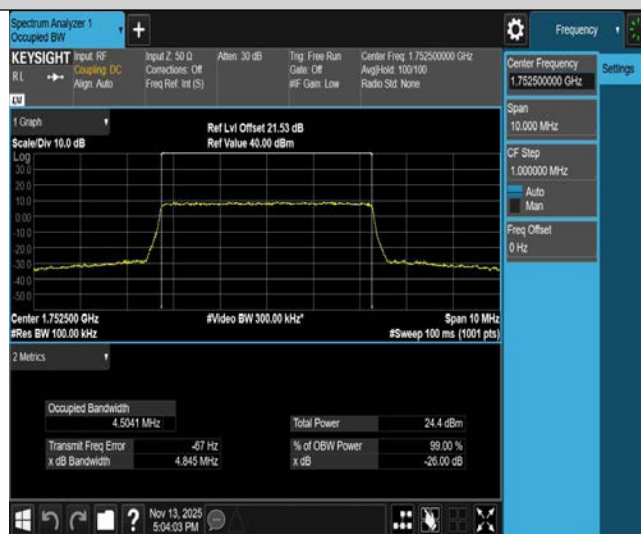
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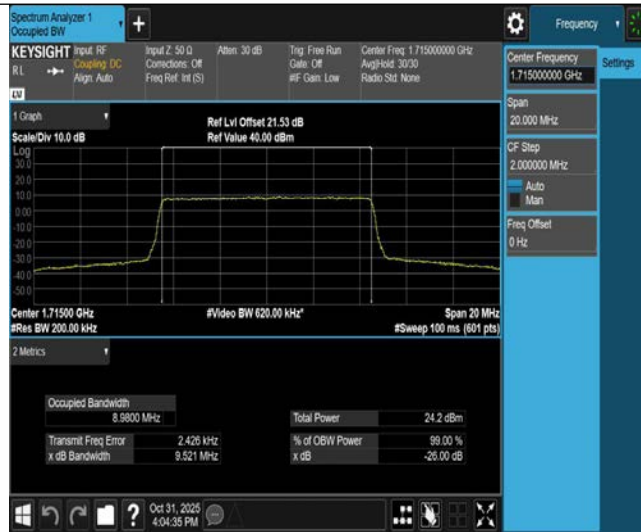


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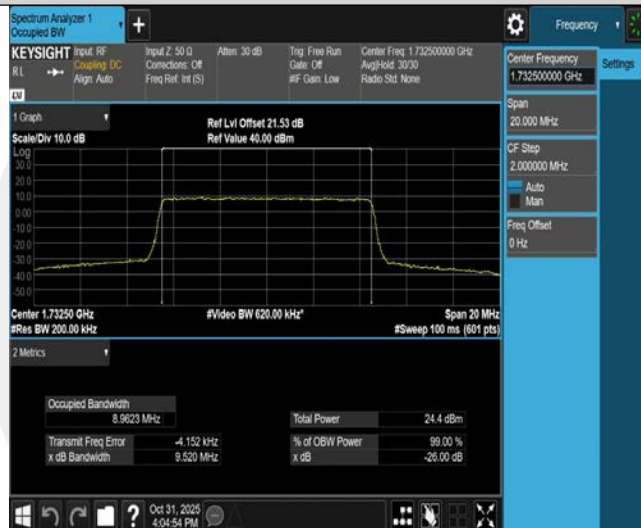


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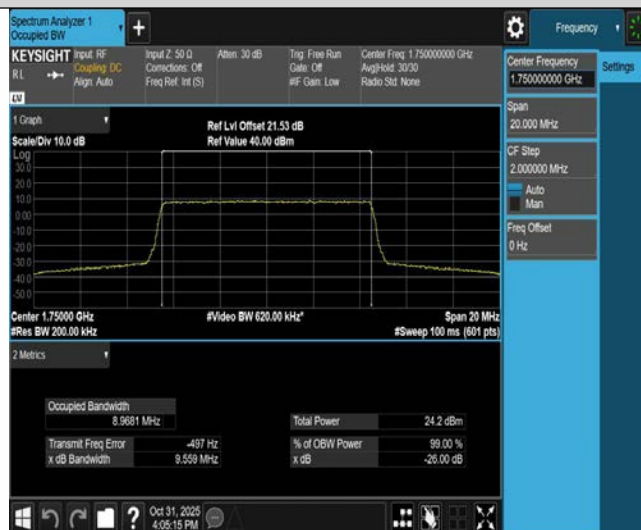




Band4-10MHz-QPSK-20175-50RB#0



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



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



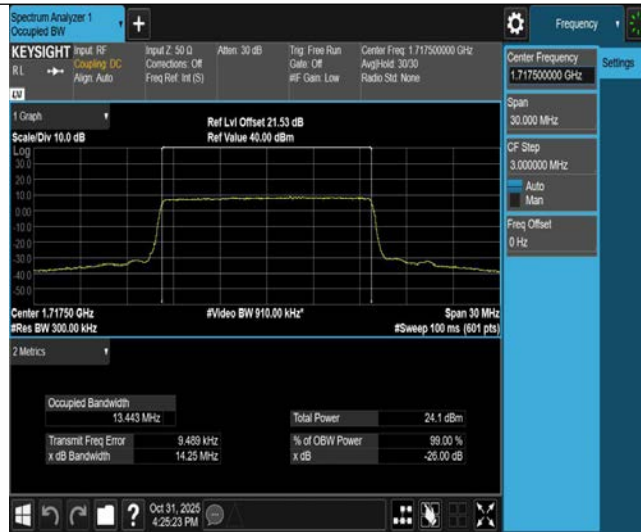
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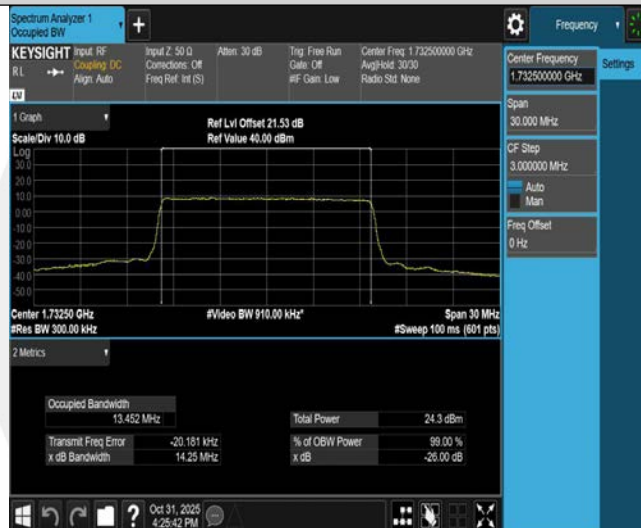
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Band4-15MHz-QPSK-20025-75RB#0



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



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



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



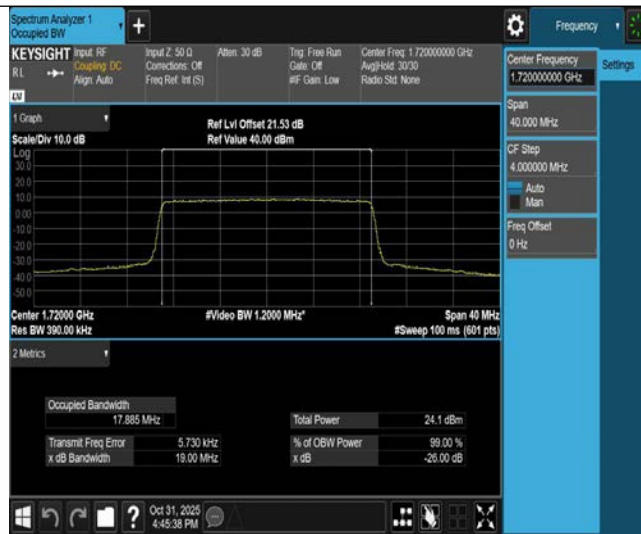
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Band4-20MHz-QPSK-20050-100RB#0



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	-29.17	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-38.14	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-30.37	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-37.74	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-29.20	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-30.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-29.44	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-38.99	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-30.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-39.05	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-29.16	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-31.23	PASS
Band4	3MHz	QPSK	19965	1RB#0	-18.14	PASS
Band4	3MHz	QPSK	19965	1RB#14	-46.07	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.57	PASS
Band4	3MHz	QPSK	20385	1RB#0	-44.38	PASS
Band4	3MHz	QPSK	20385	1RB#14	-18.08	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.56	PASS
Band4	3MHz	16QAM	19965	1RB#0	-18.81	PASS
Band4	3MHz	16QAM	19965	1RB#14	-46.41	PASS
Band4	3MHz	16QAM	19965	15RB#0	-23.85	PASS
Band4	3MHz	16QAM	20385	1RB#0	-45.35	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.14	PASS
Band4	3MHz	16QAM	20385	15RB#0	-25.22	PASS
Band4	5MHz	QPSK	19975	1RB#0	-18.24	PASS
Band4	5MHz	QPSK	19975	1RB#24	-48.69	PASS
Band4	5MHz	QPSK	19975	25RB#0	-25.51	PASS
Band4	5MHz	QPSK	20375	1RB#0	-48.46	PASS
Band4	5MHz	QPSK	20375	1RB#24	-18.48	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.11	PASS
Band4	5MHz	16QAM	19975	1RB#0	-19.50	PASS
Band4	5MHz	16QAM	19975	1RB#24	-48.91	PASS

Band4	5MHz	16QAM	19975	25RB#0	-26.99	PASS
Band4	5MHz	16QAM	20375	1RB#0	-48.61	PASS
Band4	5MHz	16QAM	20375	1RB#24	-19.48	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.78	PASS
Band4	10MHz	QPSK	20000	1RB#0	-25.53	PASS
Band4	10MHz	QPSK	20000	1RB#49	-46.35	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.84	PASS
Band4	10MHz	QPSK	20350	1RB#0	-46.67	PASS
Band4	10MHz	QPSK	20350	1RB#49	-25.48	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.95	PASS
Band4	10MHz	16QAM	20000	1RB#0	-26.96	PASS
Band4	10MHz	16QAM	20000	1RB#49	-47.18	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.41	PASS
Band4	10MHz	16QAM	20350	1RB#0	-47.04	PASS
Band4	10MHz	16QAM	20350	1RB#49	-27.20	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.09	PASS
Band4	15MHz	QPSK	20025	1RB#0	-24.36	PASS
Band4	15MHz	QPSK	20025	1RB#74	-45.21	PASS
Band4	15MHz	QPSK	20025	75RB#0	-30.32	PASS
Band4	15MHz	QPSK	20325	1RB#0	-44.09	PASS
Band4	15MHz	QPSK	20325	1RB#74	-24.45	PASS
Band4	15MHz	QPSK	20325	75RB#0	-30.30	PASS
Band4	15MHz	16QAM	20025	1RB#0	-24.07	PASS
Band4	15MHz	16QAM	20025	1RB#74	-45.01	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.52	PASS
Band4	15MHz	16QAM	20325	1RB#0	-44.56	PASS
Band4	15MHz	16QAM	20325	1RB#74	-24.33	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.04	PASS
Band4	20MHz	QPSK	20050	1RB#0	-25.34	PASS
Band4	20MHz	QPSK	20050	1RB#99	-44.47	PASS
Band4	20MHz	QPSK	20050	100RB#0	-31.67	PASS
Band4	20MHz	QPSK	20300	1RB#0	-44.43	PASS
Band4	20MHz	QPSK	20300	1RB#99	-25.40	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.55	PASS
Band4	20MHz	16QAM	20050	1RB#0	-25.77	PASS
Band4	20MHz	16QAM	20050	1RB#99	-44.53	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.53	PASS

Band4	20MHz	16QAM	20300	1RB#0	-44.54	PASS
Band4	20MHz	16QAM	20300	1RB#99	-25.38	PASS
Band4	20MHz	16QAM	20300	100RB#0	-32.82	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





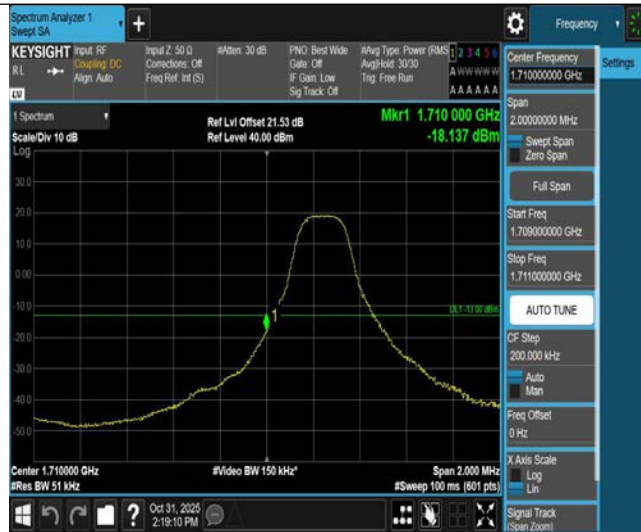
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Band4-1.4MHz-16QAM-20393-6RB#0



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



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



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



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



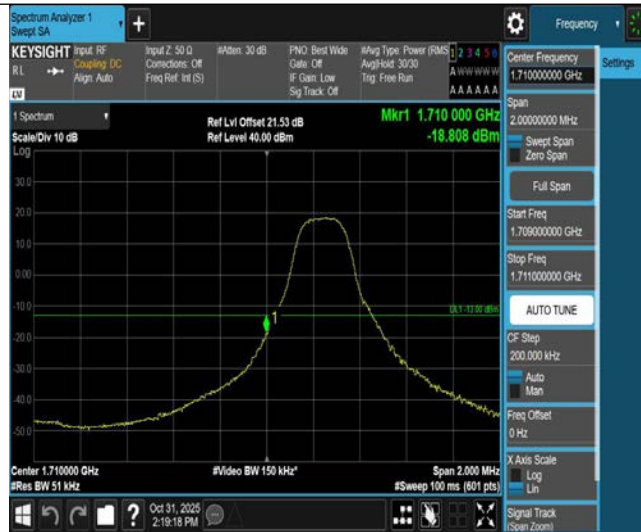
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Band4-3MHz-QPSK-20385-15RB#0



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



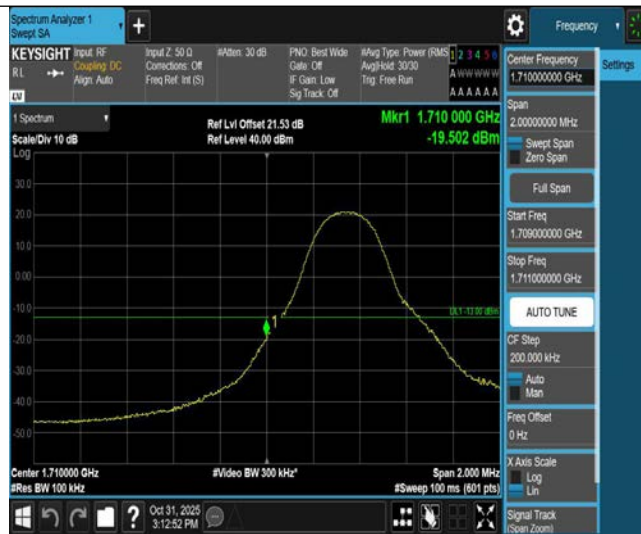
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Band4-5MHz-QPSK-20375-25RB#0



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