LTE Band4 Test Data

Report No. ENS2406030047W00207R Page 17 and Page 18

Appendix A: Effective (Isotropic) Radiated Power Output Data

Report No. ENS2406030047W00207R Page 39

Appendix B: Peak-to-Average Ratio

Report No. ENS2406030047W00207R Page 22

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Report No. ENS2406030047W00207R Page 24

Appendix D: Band Edge

Report No. ENS2406030047W00207R Page 26

Appendix E: Conducted Spurious Emission

Report No. ENS2406030047W00207R Page 38

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	23.94	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.98	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.92	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.90	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.91	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.90	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.93	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.98	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.05	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.97	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.06	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.11	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.04	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.81	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.85	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.78	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.80	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.79	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.80	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.82	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.05	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.16	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.04	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.83	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.83	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.80	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.87	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.94	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.82	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.92	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.95	PASS

Band4	1.4MHz	16QAM	20175	3RB#3	22.92	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.07	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.95	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.93	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.69	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.69	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.66	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.87	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.92	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.98	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.01	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.99	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.96	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.99	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.08	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.07	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.08	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.20	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.20	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.19	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.13	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.84	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.88	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.90	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.87	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.89	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.86	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.89	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.17	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.19	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.12	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.03	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.99	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.97	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.89	PASS

Band4	3MHz	16QAM	20175	1RB#0	22.97	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.96	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.04	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.15	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.16	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.20	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.09	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.09	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.09	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.03	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.93	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.91	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.93	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.94	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.13	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.17	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.03	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.02	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.98	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.98	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.15	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.14	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.15	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.08	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.97	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.02	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.01	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.93	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.90	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.84	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.84	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.84	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.30	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.30	PASS

Band4	5MHz	16QAM	19975	1RB#24	23.24	PASS
Band4	5MHz	16QAM	19975	12RB#0	22.04	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.06	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.03	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.04	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.34	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.40	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.34	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.12	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.14	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.10	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.99	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.17	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.18	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.15	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.94	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.93	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.91	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.86	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.02	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.88	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.99	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.01	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.03	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.99	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.91	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.14	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.10	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.08	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.08	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.09	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.06	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.16	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.94	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.87	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.84	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.95	PASS

Band4	10MHz	QPSK	20350	25RB#12	22.94	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.89	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.91	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.28	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.25	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.24	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.05	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.01	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.02	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.01	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.93	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.14	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.14	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.10	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.16	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.12	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.13	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.06	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.90	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.91	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.90	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.87	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.08	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.90	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.02	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.93	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.93	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.95	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.97	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.25	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.08	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.22	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.20	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.20	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.20	PASS

Band4	15MHz	QPSK	20175	75RB#0	23.18	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.10	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.87	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.92	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.99	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.98	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.96	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.95	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.33	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.21	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.30	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.95	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.91	PASS
Band4	15MHz	16QAM	20025	38RB#37	23.01	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.01	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.10	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.04	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.07	PASS
Band4	15MHz	16QAM	20175	38RB#0	23.21	PASS
Band4	15MHz	16QAM	20175	38RB#18	23.17	PASS
Band4	15MHz	16QAM	20175	38RB#37	23.19	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.18	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.38	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.08	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.18	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.99	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.97	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.96	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.96	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.16	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.08	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.06	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.08	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.99	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.03	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.04	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.15	PASS

Band4	20MHz	QPSK	20175	1RB#49	24.05	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.05	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.25	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.21	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.14	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.21	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.26	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.01	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.02	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.09	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.07	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.96	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.97	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.30	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.22	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.24	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.07	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.02	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.07	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.28	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.20	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.19	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.30	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.29	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.22	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.25	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.28	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.03	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.10	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.08	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.93	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.96	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	4.80	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.44	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.73	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.41	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.75	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.39	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.71	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.27	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.62	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.22	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.70	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.30	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.69	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.33	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.62	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.26	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.63	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.25	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.47	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.16	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.48	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.13	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.59	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.18	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	8.54	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	8.55	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	8.55	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	8.59	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	8.53	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	8.56	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	8.54	13	PASS

Band4	5MHz	16QAM	19975	25RB#0	8.57	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	8.56	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	8.52	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	8.54	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	8.56	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.58	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.31	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.54	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.27	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.51	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.29	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.44	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.13	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.38	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.09	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.51	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.08	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.55	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.44	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.51	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.47	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.50	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.46	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.50	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.12	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.31	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.13	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.35	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.14	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.54	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.14	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.52	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.25	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.52	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.27	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.45	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.00	13	PASS

Band4	20MHz	16QAM	20175	1RB#0	5.37	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.04	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.55	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.06	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

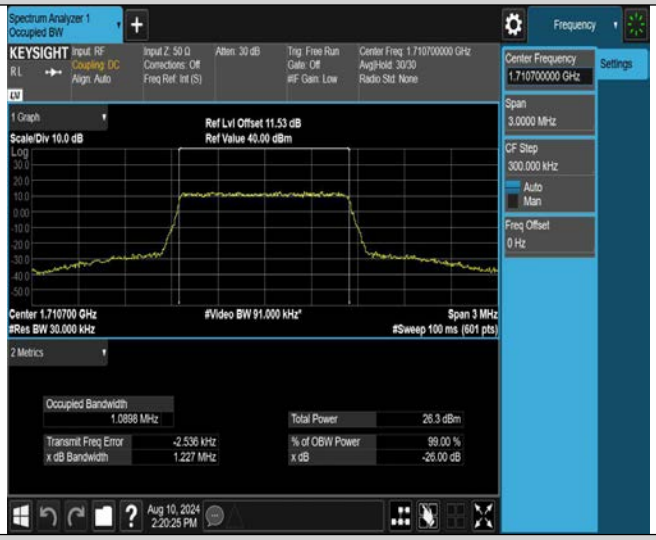
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0898	1.227	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0884	1.228	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0860	1.220	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0893	1.221	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0893	1.210	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0905	1.224	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6975	2.930	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6981	2.911	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6949	2.927	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6914	2.934	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6986	2.913	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6928	2.920	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5008	4.856	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5114	4.887	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5127	4.885	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4993	4.831	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4997	4.883	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5035	4.845	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9712	9.522	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9712	9.522	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9732	9.552	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9623	9.529	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9707	9.549	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9727	9.521	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.431	14.28	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.474	14.27	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.465	14.30	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.422	14.25	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.459	14.27	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.446	14.27	PASS

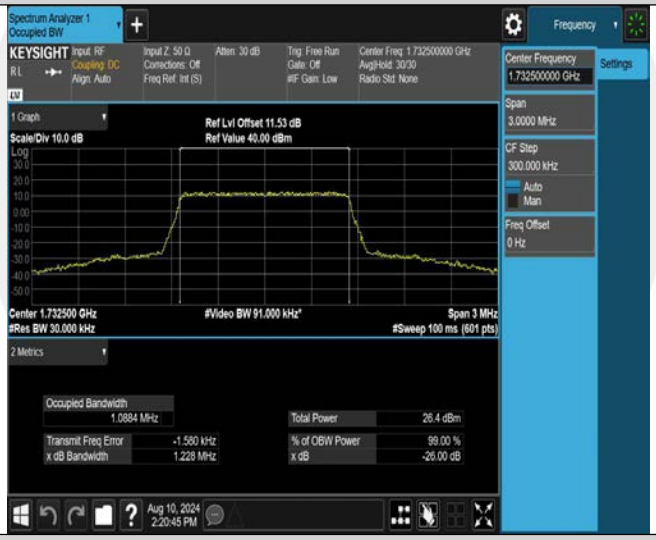
Band4	20MHz	QPSK	20050	100RB#0	17.866	18.94	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.933	18.98	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.919	18.95	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.880	18.95	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.925	18.96	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.922	18.96	PASS

Test Graphs

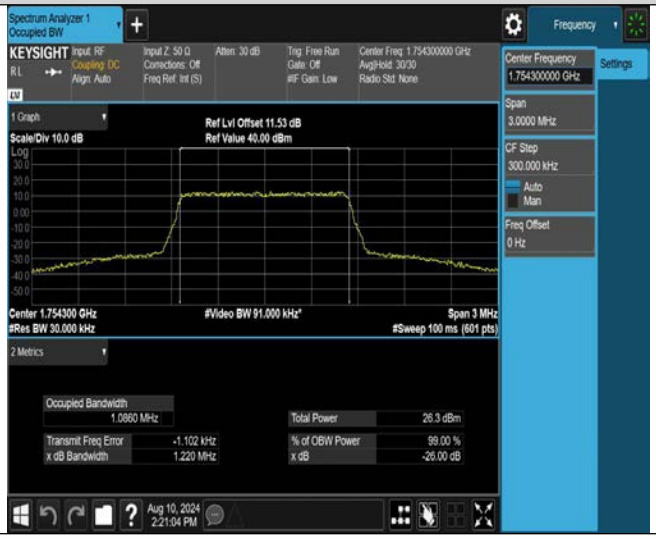
Band4-1.4MHz-QPSK-19957-6RB#0



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

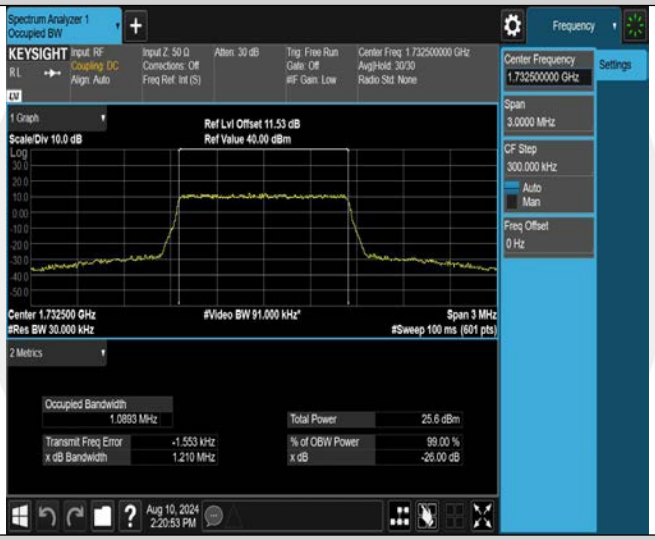


Band4-1.4MHz-QPSK-20393-6RB#0

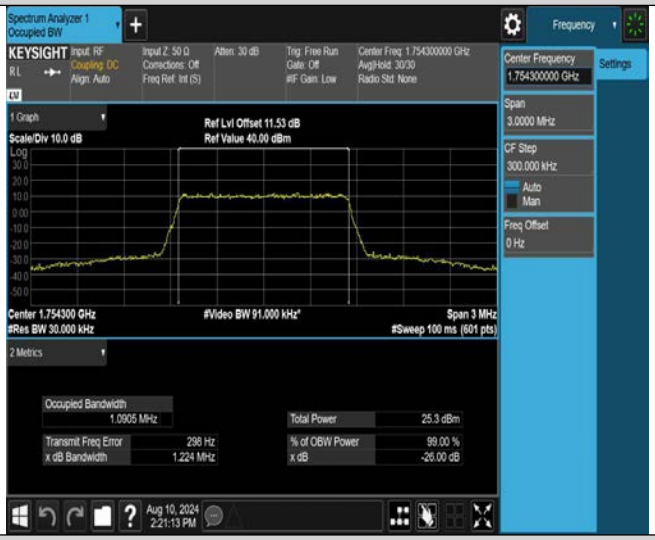


Band4-1.4MHz-16QAM-19957-6RB#0

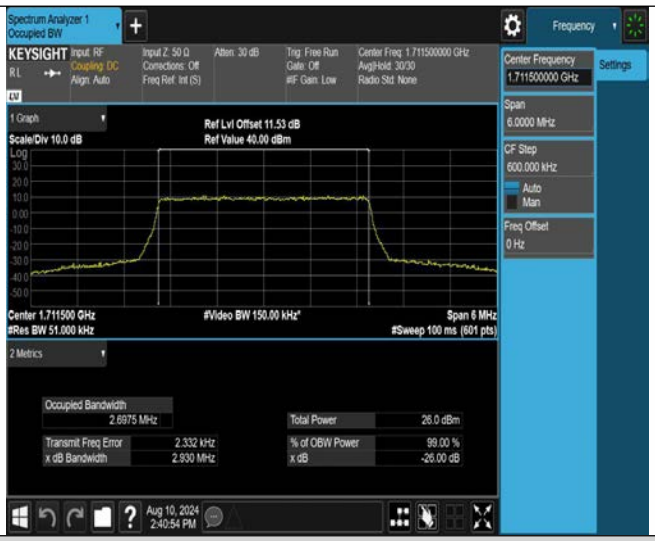
Band4-1.4MHz-16QAM-20175-6RB#0



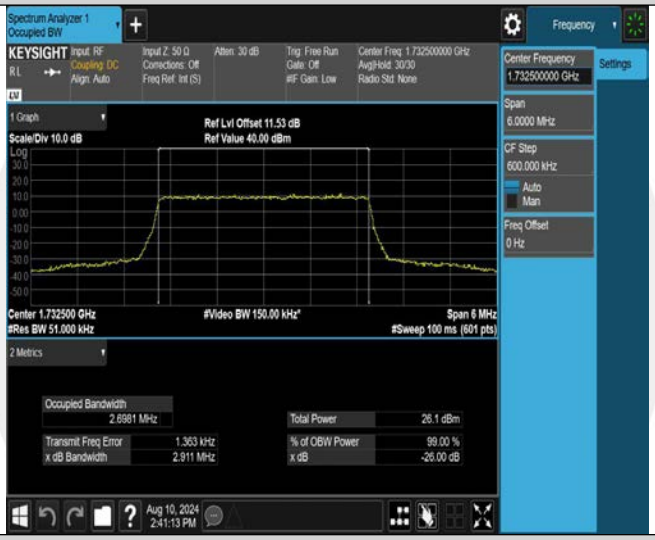
Band4-1.4MHz-16QAM-20393-6RB#0



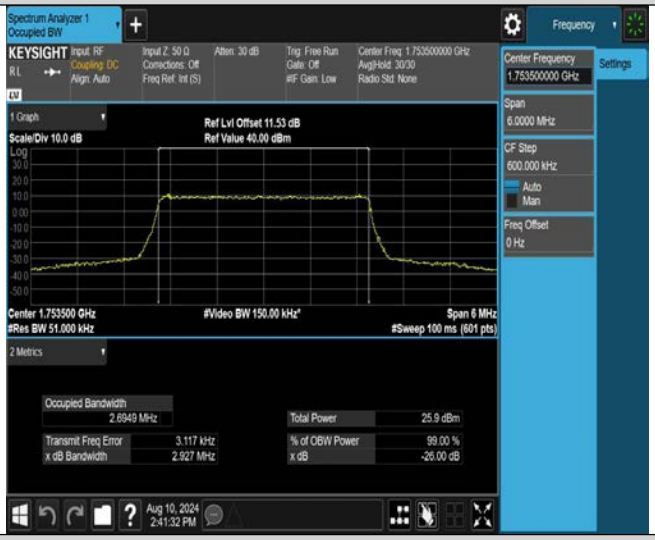
Band4-3MHz-QPSK-19965-15RB#0



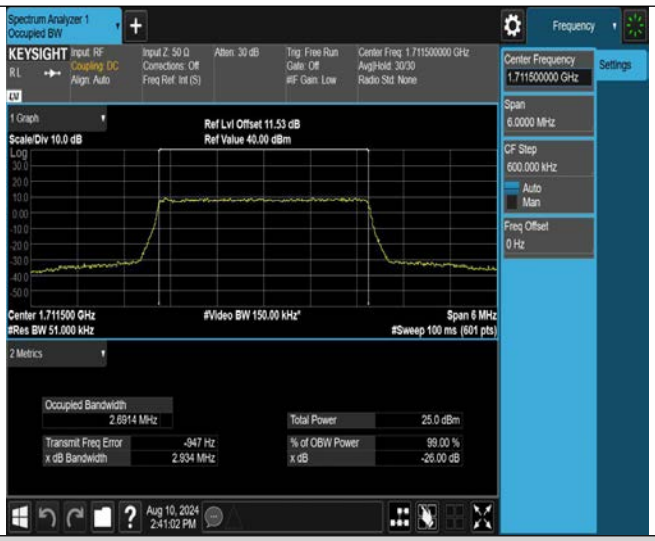
Band4-3MHz-QPSK-20175-15RB#0



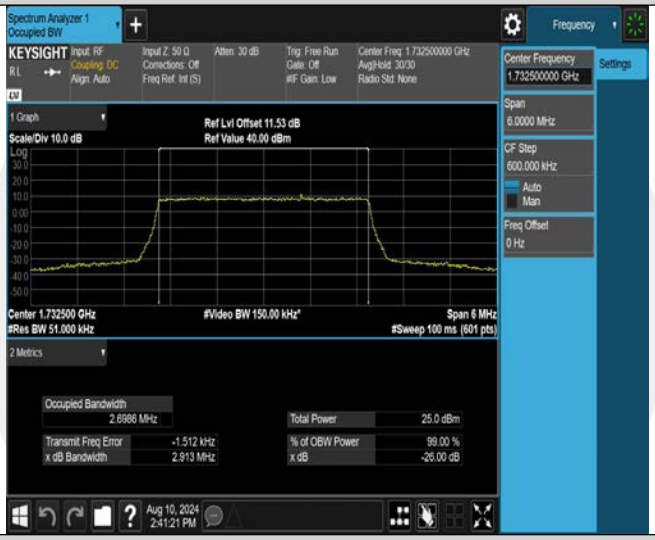
Band4-3MHz-QPSK-20385-15RB#0



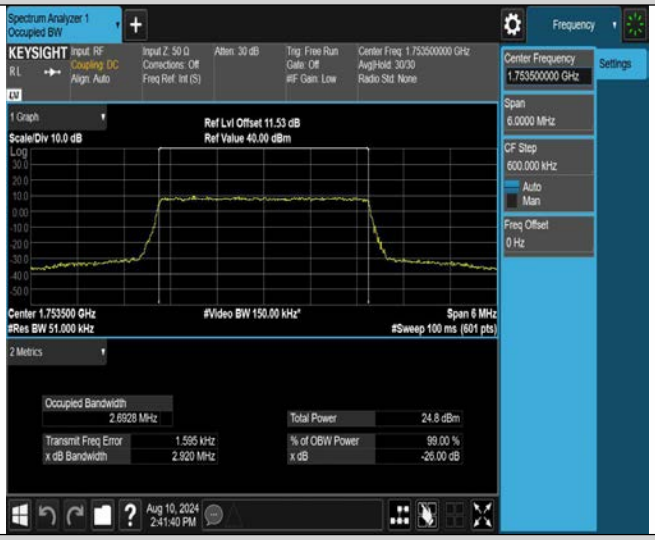
Band4-3MHz-16QAM-19965-15RB#0



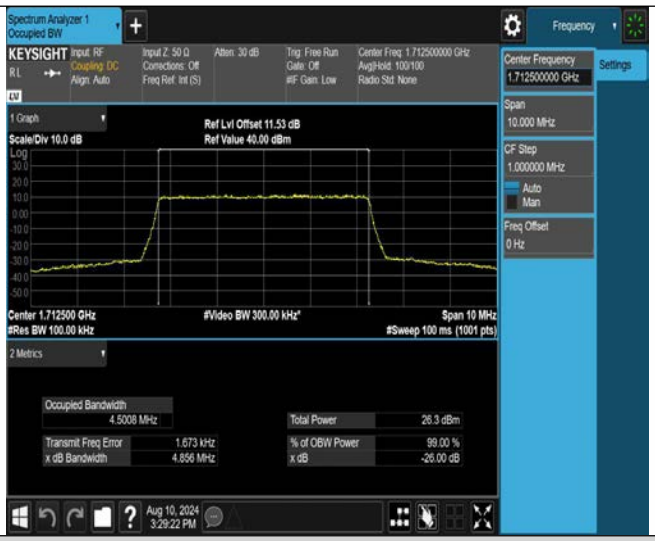
Band4-3MHz-16QAM-20175-15RB#0



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



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



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

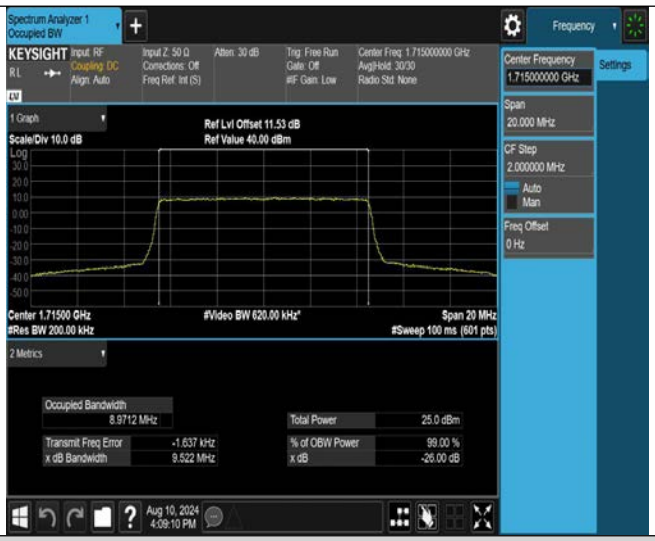
Band4-5MHz-QPSK-20375-25RB#0

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

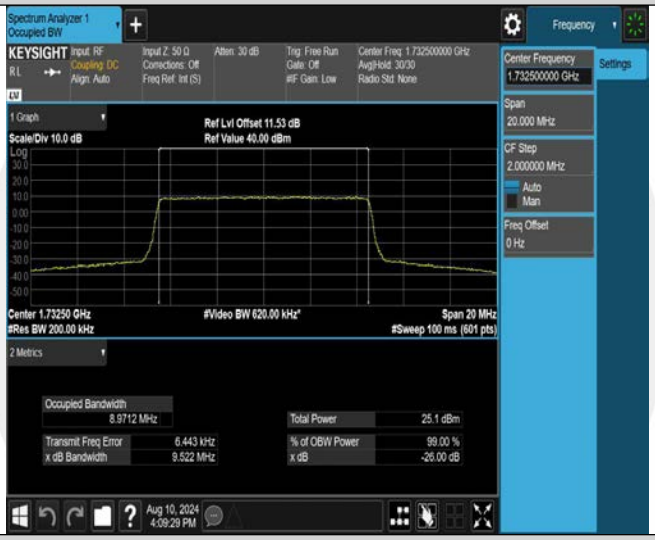
Band4-5MHz-16QAM-20175-25RB#0

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

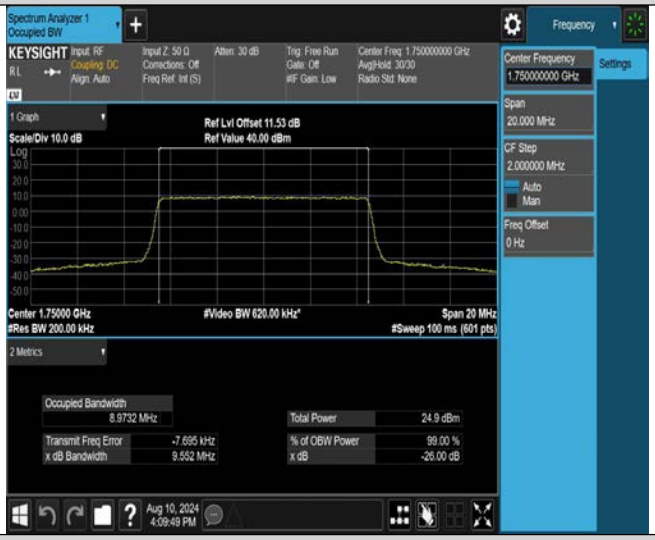
Band4-10MHz-QPSK-20000-50RB#0



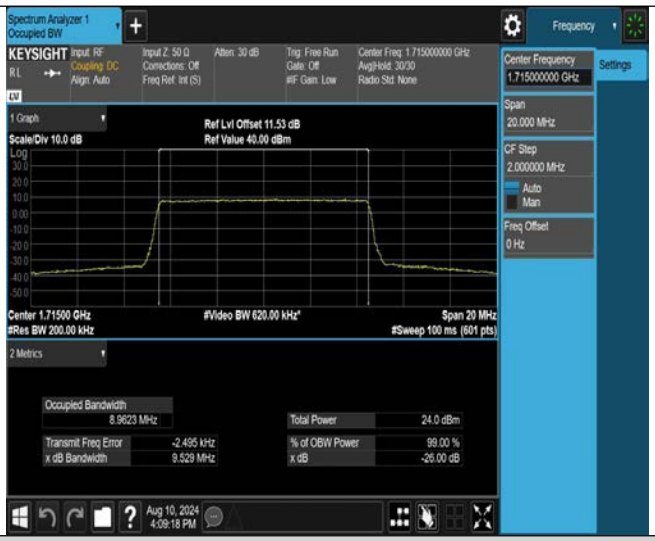
Band4-10MHz-QPSK-20175-50RB#0



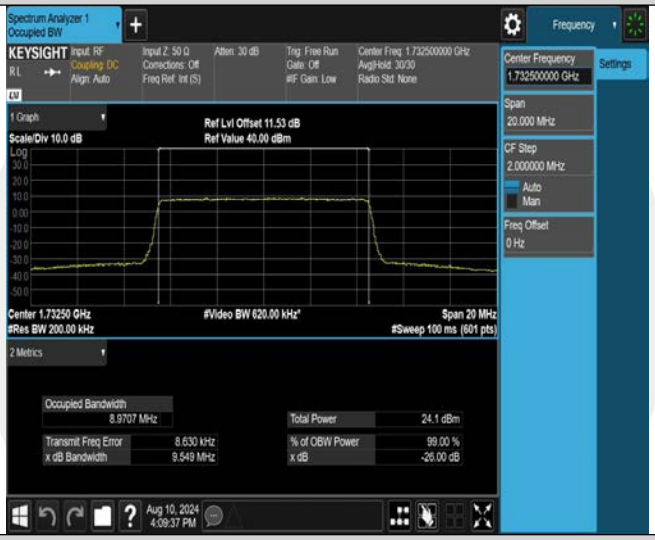
Band4-10MHz-QPSK-20350-50RB#0



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

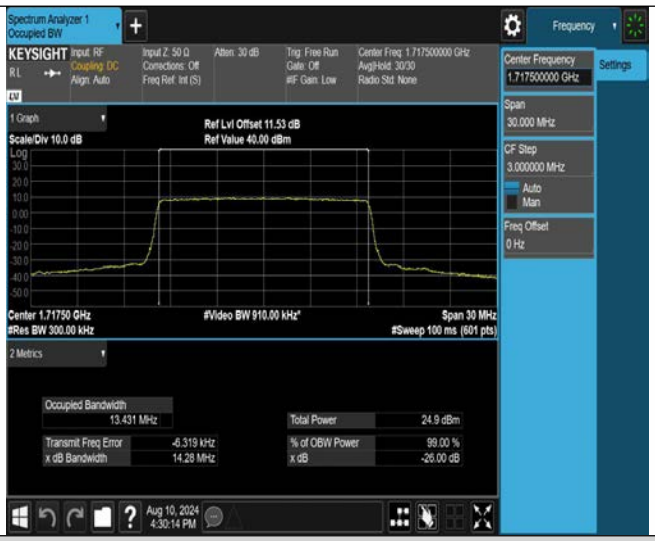


Band4-10MHz-16QAM-20175-50RB#0

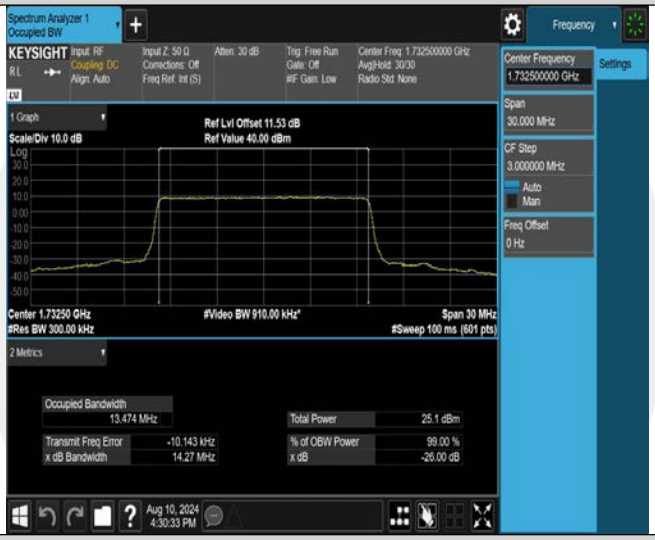


Band4-10MHz-16QAM-20350-50RB#0

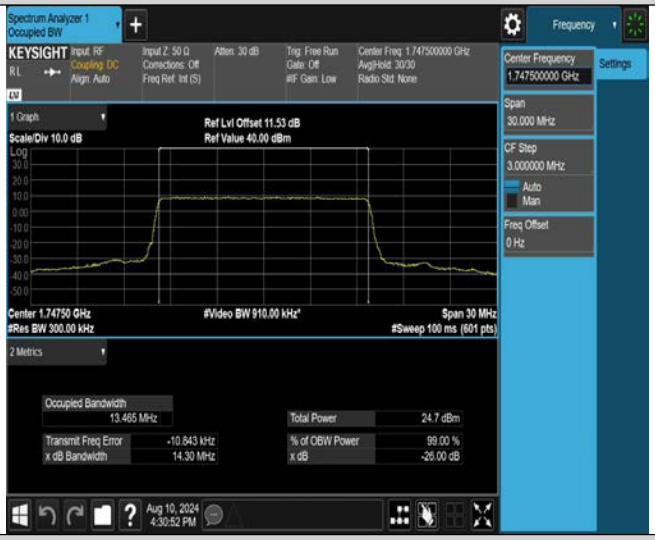
Band4-15MHz-QPSK-20025-75RB#0



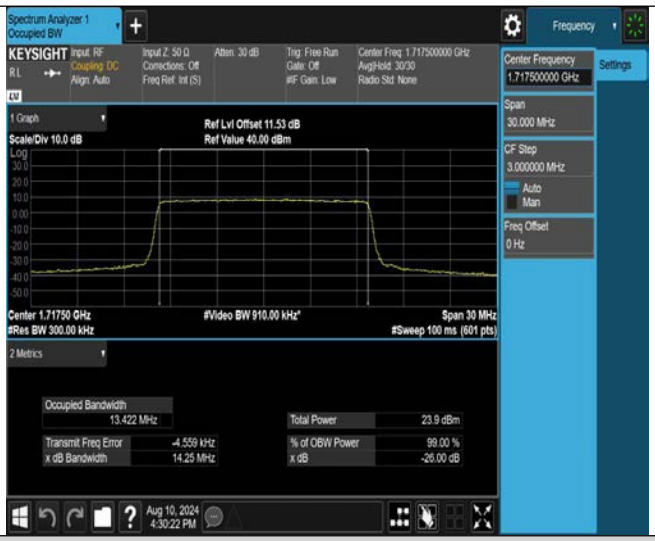
Band4-15MHz-QPSK-20175-75RB#0



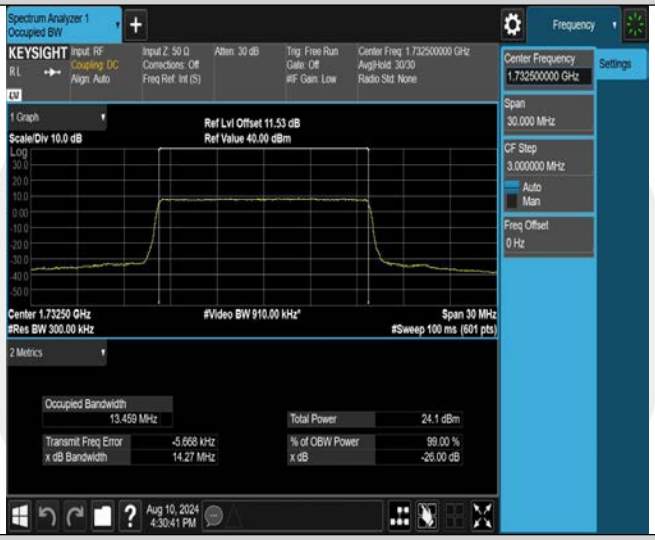
Band4-15MHz-QPSK-20325-75RB#0



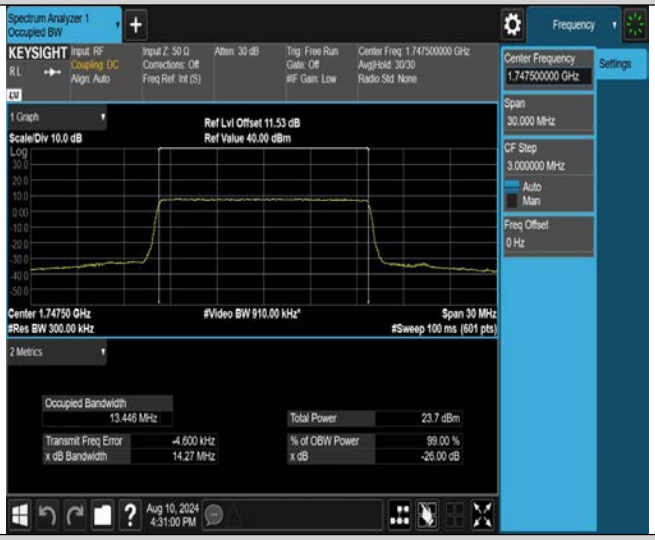
Band4-15MHz-16QAM-20025-75RB#0



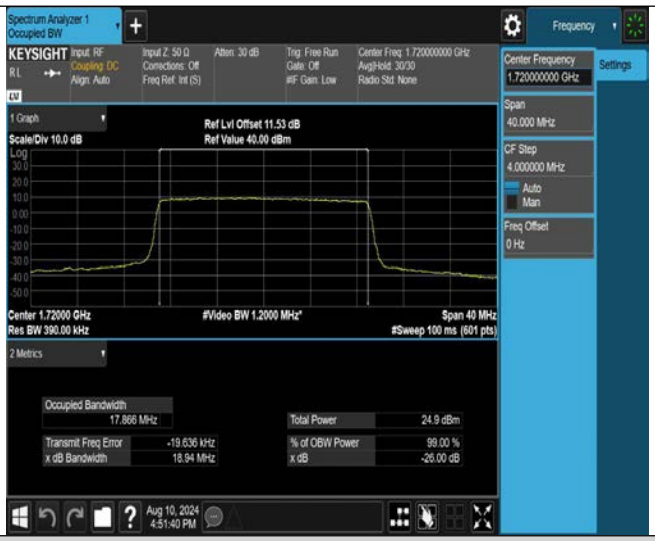
Band4-15MHz-16QAM-20175-75RB#0



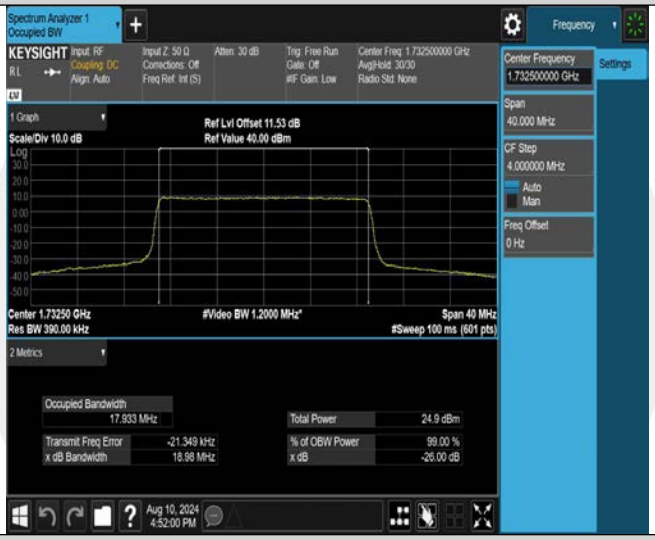
Band4-15MHz-16QAM-20325-75RB#0



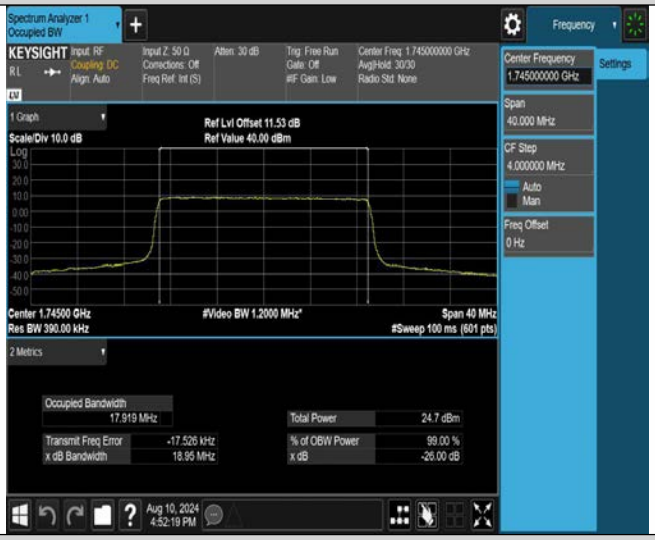
Band4-20MHz-QPSK-20050-100RB#0



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

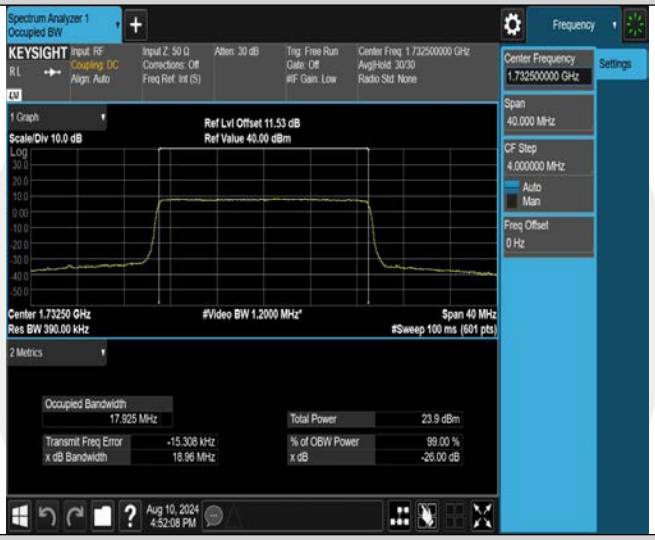


Band4-20MHz-QPSK-20300-100RB#0



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

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



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

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-27.48	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-37.04	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-29.80	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-38.87	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-27.91	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-29.89	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-28.55	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-38.49	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-30.35	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-40.68	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-28.19	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-30.81	PASS
Band4	3MHz	QPSK	19965	1RB#0	-17.12	PASS
Band4	3MHz	QPSK	19965	1RB#14	-47.25	PASS
Band4	3MHz	QPSK	19965	15RB#0	-22.82	PASS
Band4	3MHz	QPSK	20385	1RB#0	-46.89	PASS
Band4	3MHz	QPSK	20385	1RB#14	-17.31	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.23	PASS
Band4	3MHz	16QAM	19965	1RB#0	-17.53	PASS
Band4	3MHz	16QAM	19965	1RB#14	-48.02	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.11	PASS
Band4	3MHz	16QAM	20385	1RB#0	-47.67	PASS
Band4	3MHz	16QAM	20385	1RB#14	-16.86	PASS
Band4	3MHz	16QAM	20385	15RB#0	-24.93	PASS
Band4	5MHz	QPSK	19975	1RB#0	-16.98	PASS
Band4	5MHz	QPSK	19975	1RB#24	-51.01	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.23	PASS
Band4	5MHz	QPSK	20375	1RB#0	-50.69	PASS
Band4	5MHz	QPSK	20375	1RB#24	-17.78	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.41	PASS
Band4	5MHz	16QAM	19975	1RB#0	-17.88	PASS
Band4	5MHz	16QAM	19975	1RB#24	-51.20	PASS

Band4	5MHz	16QAM	19975	25RB#0	-26.85	PASS
Band4	5MHz	16QAM	20375	1RB#0	-51.25	PASS
Band4	5MHz	16QAM	20375	1RB#24	-19.25	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.29	PASS
Band4	10MHz	QPSK	20000	1RB#0	-25.16	PASS
Band4	10MHz	QPSK	20000	1RB#49	-48.79	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.65	PASS
Band4	10MHz	QPSK	20350	1RB#0	-51.29	PASS
Band4	10MHz	QPSK	20350	1RB#49	-24.84	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.44	PASS
Band4	10MHz	16QAM	20000	1RB#0	-25.90	PASS
Band4	10MHz	16QAM	20000	1RB#49	-52.15	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.08	PASS
Band4	10MHz	16QAM	20350	1RB#0	-52.39	PASS
Band4	10MHz	16QAM	20350	1RB#49	-25.74	PASS
Band4	10MHz	16QAM	20350	50RB#0	-30.81	PASS
Band4	15MHz	QPSK	20025	1RB#0	-22.71	PASS
Band4	15MHz	QPSK	20025	1RB#74	-49.89	PASS
Band4	15MHz	QPSK	20025	75RB#0	-29.88	PASS
Band4	15MHz	QPSK	20325	1RB#0	-47.83	PASS
Band4	15MHz	QPSK	20325	1RB#74	-23.89	PASS
Band4	15MHz	QPSK	20325	75RB#0	-29.78	PASS
Band4	15MHz	16QAM	20025	1RB#0	-24.17	PASS
Band4	15MHz	16QAM	20025	1RB#74	-48.92	PASS
Band4	15MHz	16QAM	20025	75RB#0	-31.79	PASS
Band4	15MHz	16QAM	20325	1RB#0	-48.62	PASS
Band4	15MHz	16QAM	20325	1RB#74	-24.61	PASS
Band4	15MHz	16QAM	20325	75RB#0	-31.76	PASS
Band4	20MHz	QPSK	20050	1RB#0	-24.34	PASS
Band4	20MHz	QPSK	20050	1RB#99	-51.83	PASS
Band4	20MHz	QPSK	20050	100RB#0	-30.27	PASS
Band4	20MHz	QPSK	20300	1RB#0	-52.20	PASS
Band4	20MHz	QPSK	20300	1RB#99	-24.68	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.71	PASS
Band4	20MHz	16QAM	20050	1RB#0	-24.92	PASS
Band4	20MHz	16QAM	20050	1RB#99	-51.68	PASS
Band4	20MHz	16QAM	20050	100RB#0	-32.24	PASS

Band4	20MHz	16QAM	20300	1RB#0	-53.17	PASS
Band4	20MHz	16QAM	20300	1RB#99	-24.99	PASS
Band4	20MHz	16QAM	20300	100RB#0	-32.84	PASS

Test Graphs

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

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

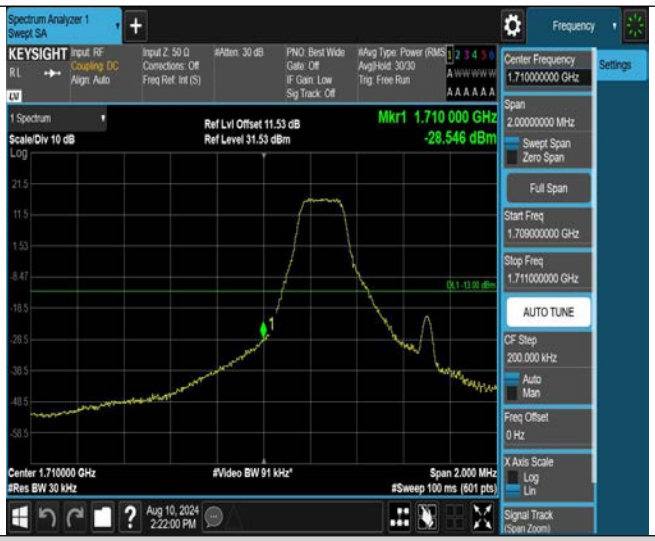
Band4-1.4MHz-QPSK-19957-6RB#0

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

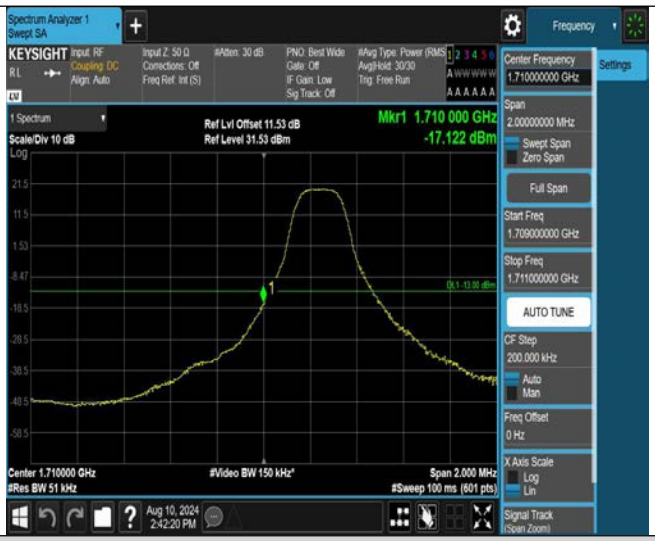
Band4-1.4MHz-16QAM-19957-6RB#0

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

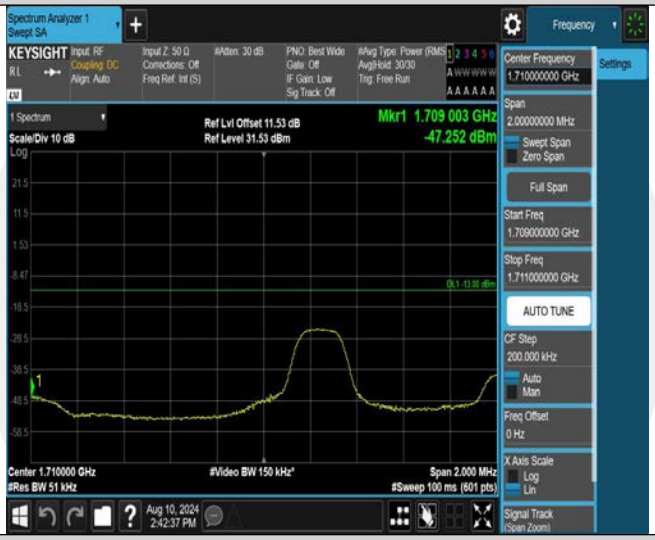
Band4-1.4MHz-16QAM-20393-1RB#5

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

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

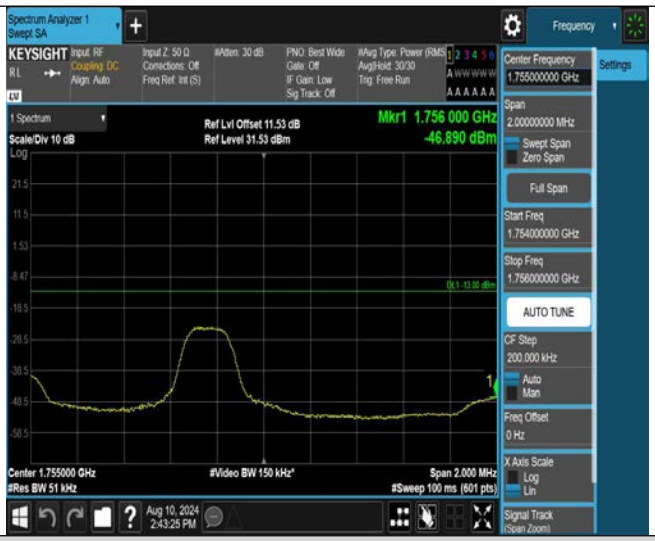


Band4-3MHz-QPSK-19965-1RB#14

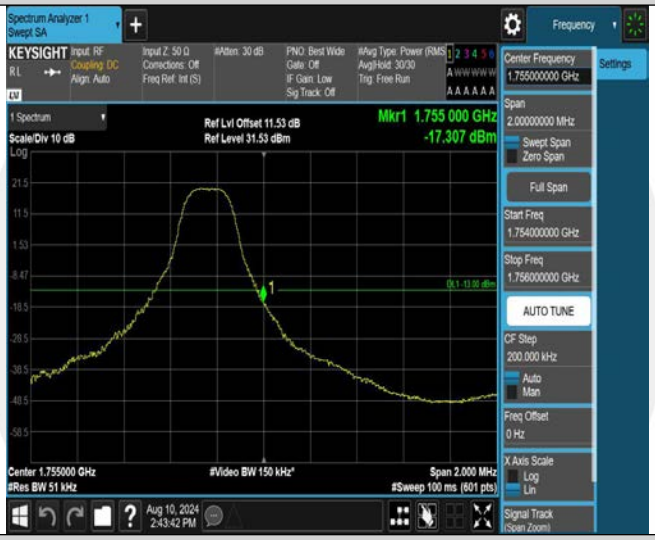


Band4-3MHz-QPSK-19965-15RB#0

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

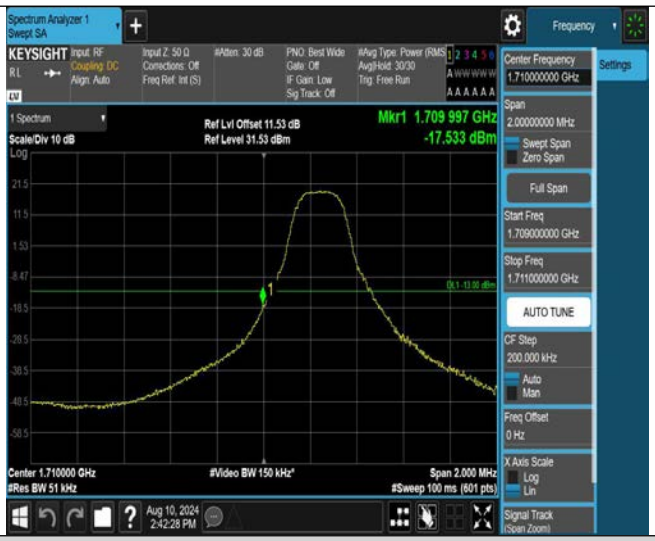


Band4-3MHz-QPSK-20385-1RB#14



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

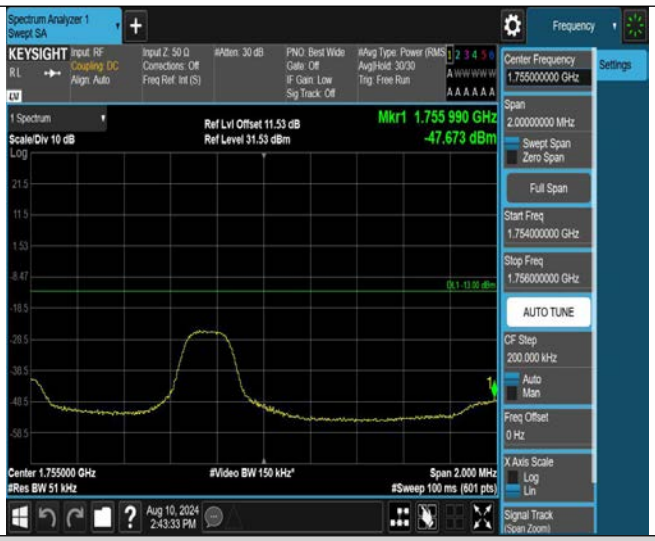
Band4-3MHz-16QAM-19965-1RB#0



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

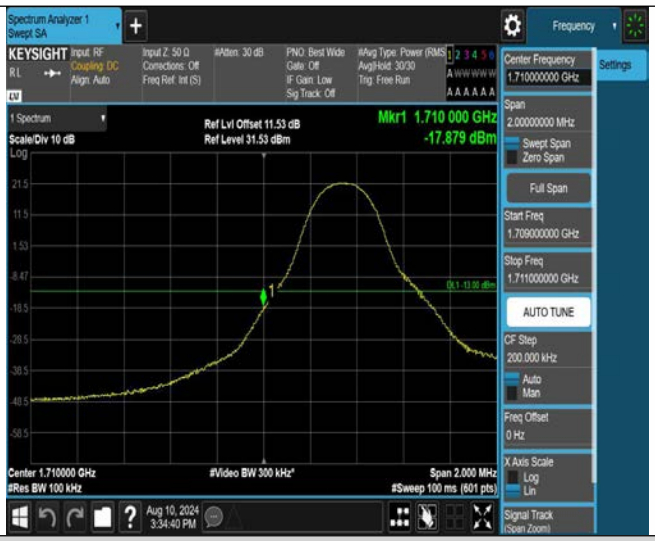
Band4-5MHz-QPSK-19975-25RB#0

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