

Appendix-A LTE Band 4

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	16QAM	19957	1RB#0	23.3	25.3	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.62	25.62	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.89	24.89	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.39	24.39	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.36	25.36	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.78	25.78	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.06	25.06	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.32	24.32	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.46	24.46	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.28	25.28	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.99	24.99	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.96	23.96	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.17	25.17	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.83	25.83	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.01	24.01	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.31	24.31	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.42	25.42	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.86	25.86	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.5	24.5	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.45	24.45	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.18	25.18	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.46	25.46	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.94	24.94	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.1	24.1	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.27	25.27	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.41	25.41	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.29	24.29	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.37	24.37	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.21	25.21	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.4	25.4	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.58	24.58	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.35	24.35	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.17	25.17	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.23	25.23	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.05	25.05	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.18	24.18	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.49	25.49	30.00	PASS

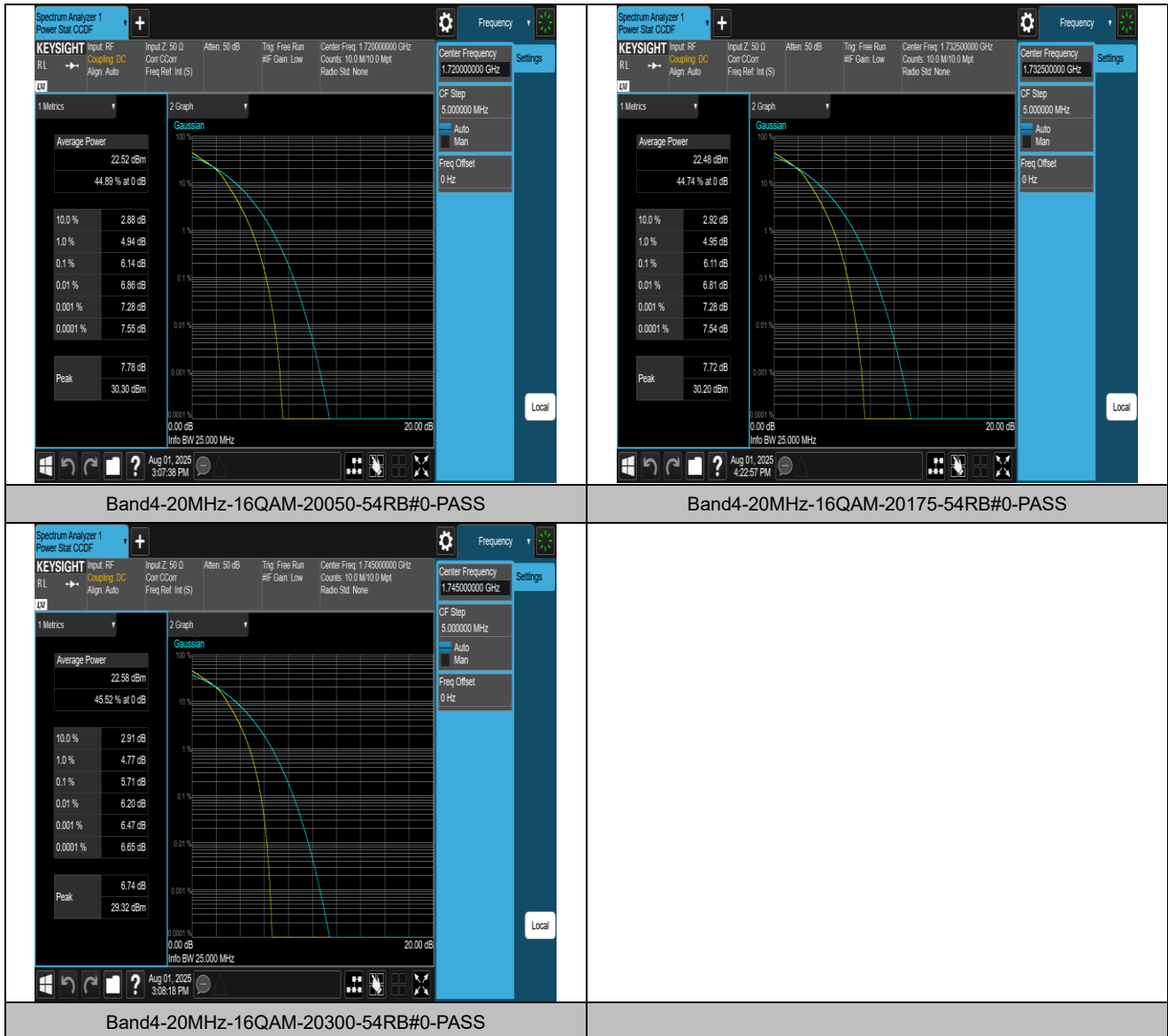
Band4	10MHz	16QAM	20000	1RB#24	23.55	25.55	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.25	24.25	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.45	24.45	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.34	25.34	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.59	25.59	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.58	24.58	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.43	24.43	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.42	25.42	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.64	25.64	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.78	24.78	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.28	24.28	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.83	25.83	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.57	25.57	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.01	25.01	30.00	PASS
Band4	15MHz	16QAM	20025	54RB#0	22.64	24.64	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.35	25.35	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.5	25.5	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.01	25.01	30.00	PASS
Band4	15MHz	16QAM	20175	54RB#0	22.5	24.5	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.28	25.28	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.48	25.48	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.41	24.41	30.00	PASS
Band4	15MHz	16QAM	20325	54RB#0	22.63	24.63	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.62	25.62	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.53	25.53	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.31	24.31	30.00	PASS
Band4	20MHz	16QAM	20050	54RB#0	22.71	24.71	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.94	24.94	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.74	24.74	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.03	25.03	30.00	PASS
Band4	20MHz	16QAM	20175	54RB#0	21.42	23.42	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.59	25.59	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.68	25.68	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.31	24.31	30.00	PASS
Band4	20MHz	16QAM	20300	54RB#0	22.78	24.78	30.00	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band4	20MHz	16QAM	20050	54RB#0	6.14	13	PASS
Band4	20MHz	16QAM	20175	54RB#0	6.11	13	PASS
Band4	20MHz	16QAM	20300	54RB#0	5.71	13	PASS

Test Graphs

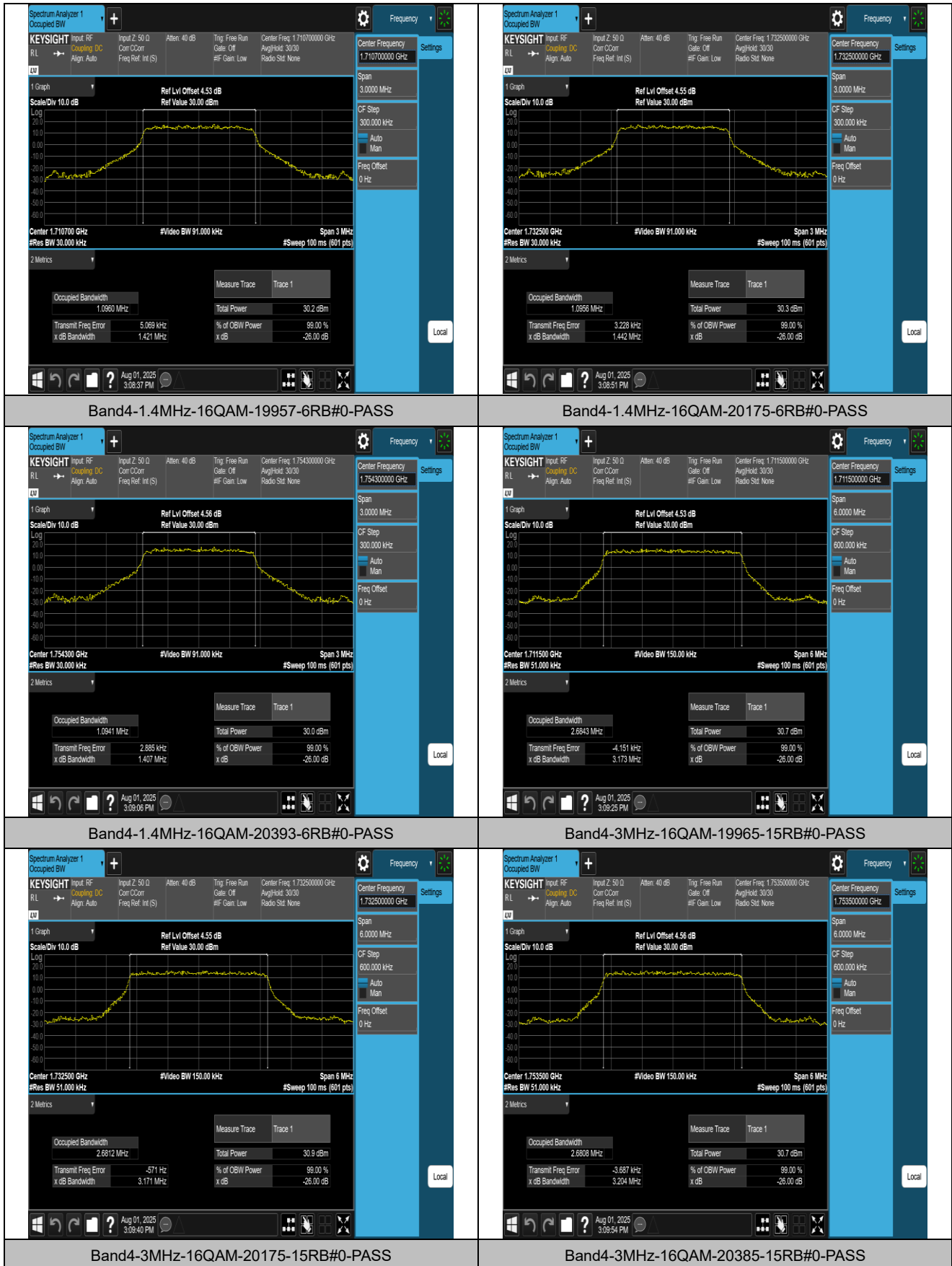


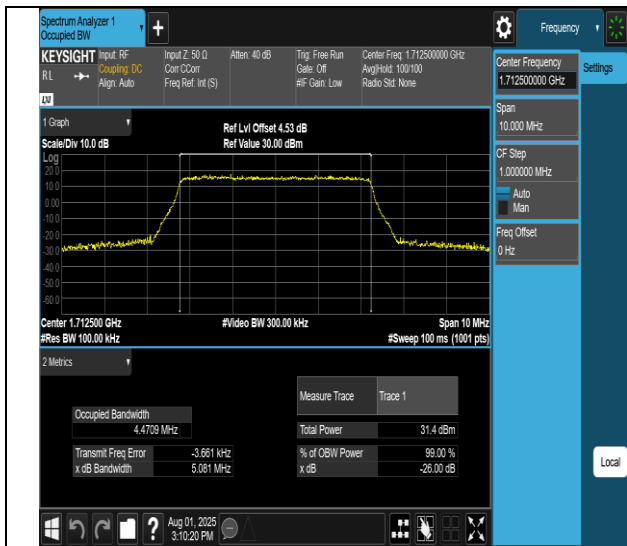
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band4	1.4MHz	16QAM	19957	6RB#0	1.0960	1.421	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0956	1.442	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0941	1.407	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6843	3.173	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6812	3.171	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6808	3.204	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4709	5.081	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4670	5.049	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4658	5.080	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9432	9.688	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9287	9.674	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9270	9.667	PASS
Band4	15MHz	16QAM	20025	54RB#0	10.010	14.80	PASS
Band4	15MHz	16QAM	20175	54RB#0	10.065	14.53	PASS
Band4	15MHz	16QAM	20325	54RB#0	9.9495	14.23	PASS
Band4	20MHz	16QAM	20050	54RB#0	10.478	18.99	PASS
Band4	20MHz	16QAM	20175	54RB#0	10.581	19.57	PASS
Band4	20MHz	16QAM	20300	54RB#0	10.385	15.59	PASS

Test Graphs

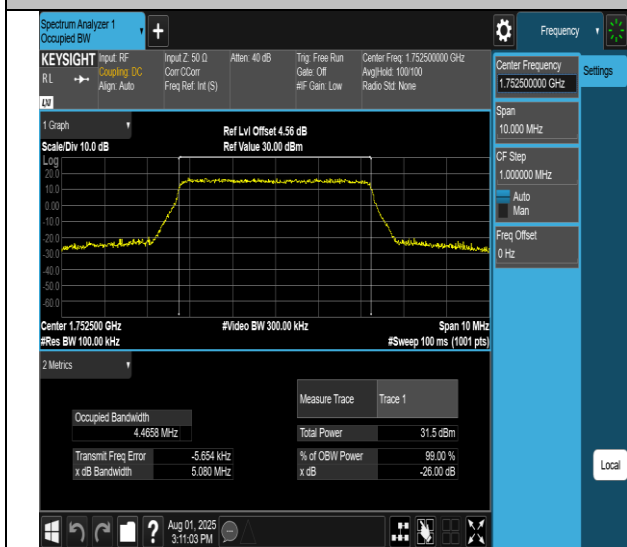




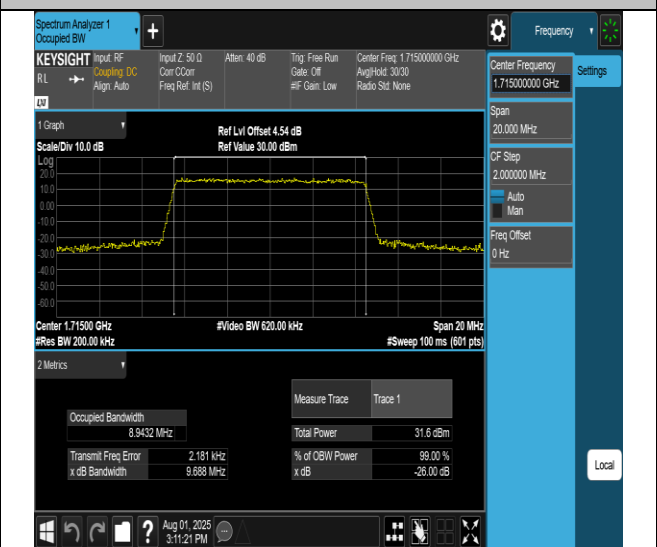
Band4-5MHz-16QAM-19975-25RB#0-PASS



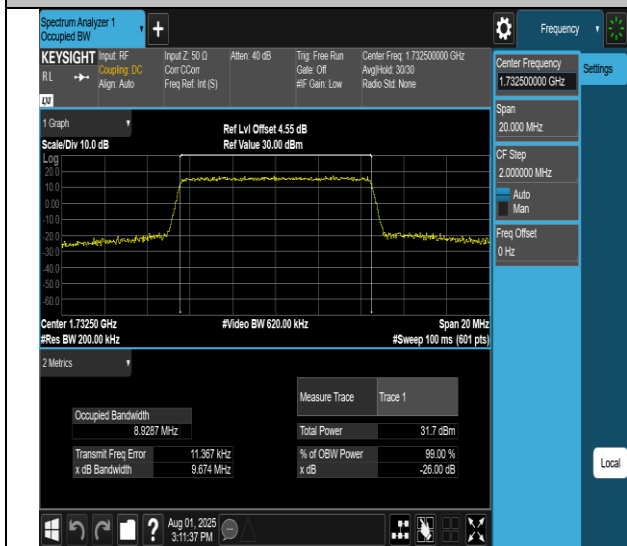
Band4-5MHz-16QAM-20175-25RB#0-PASS



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



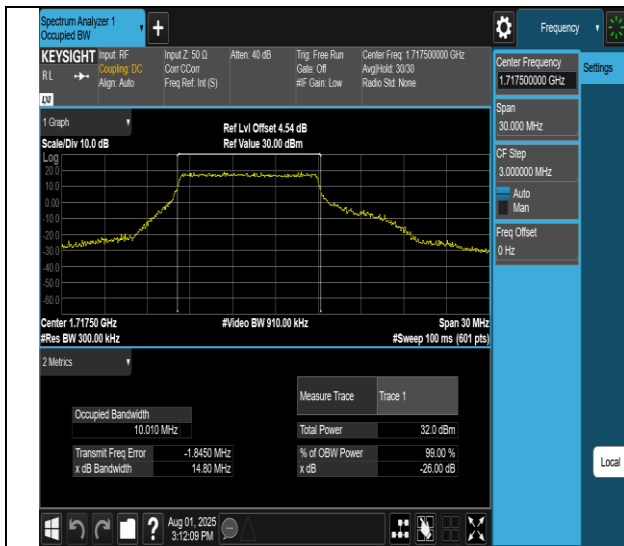
Band4-10MHz-16QAM-20000-50RB#0-PASS



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



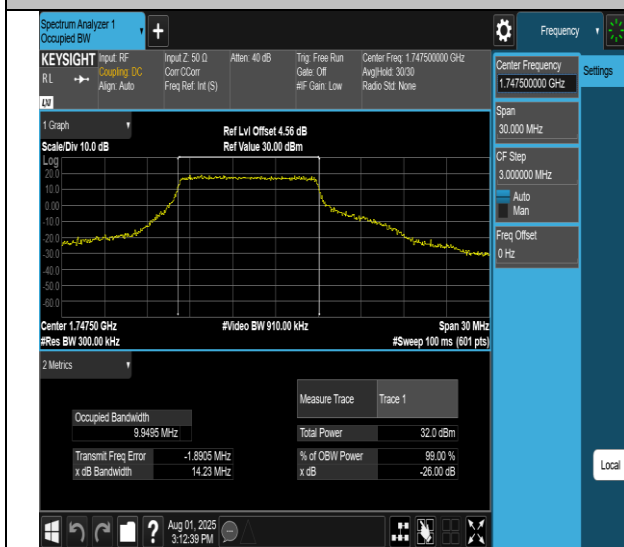
Band4-10MHz-16QAM-20350-50RB#0-PASS



Band4-15MHz-16QAM-20025-54RB#0-PASS



Band4-15MHz-16QAM-20175-54RB#0-PASS



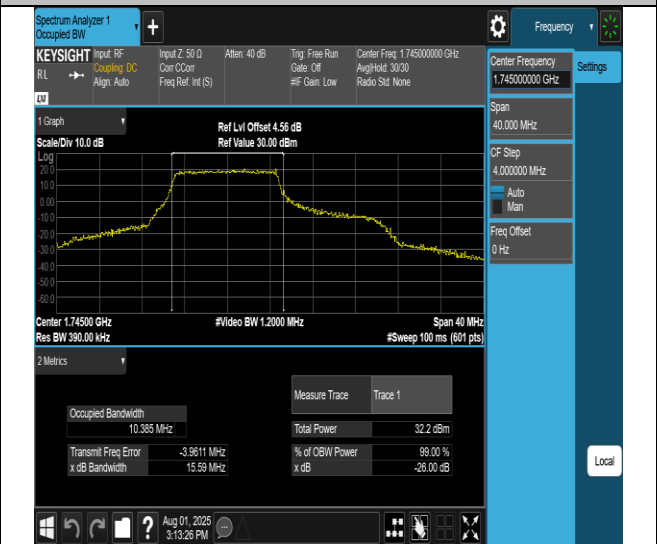
Band4-15MHz-16QAM-20325-54RB#0-PASS



Band4-20MHz-16QAM-20050-54RB#0-PASS



Band4-20MHz-16QAM-20175-54RB#0-PASS



Band4-20MHz-16QAM-20300-54RB#0-PASS

~The End~