

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	23.87	25.87	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	24.33	26.33	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.46	25.46	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.70	24.7	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.74	25.74	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	24.09	26.09	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.26	25.26	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.61	24.61	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.82	25.82	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	24.45	26.45	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.94	25.94	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.76	24.76	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.57	25.57	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	24.19	26.19	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.39	25.39	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.79	24.79	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.79	25.79	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	24.26	26.26	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.28	25.28	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.63	24.63	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.85	25.85	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	24.39	26.39	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.56	25.56	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.88	24.88	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.38	25.38	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.83	25.83	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.65	25.65	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.81	24.81	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.46	25.46	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.76	25.76	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.26	25.26	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.64	24.64	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.72	25.72	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	24.02	26.02	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.60	25.6	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.82	24.82	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.71	25.71	30.00	PASS

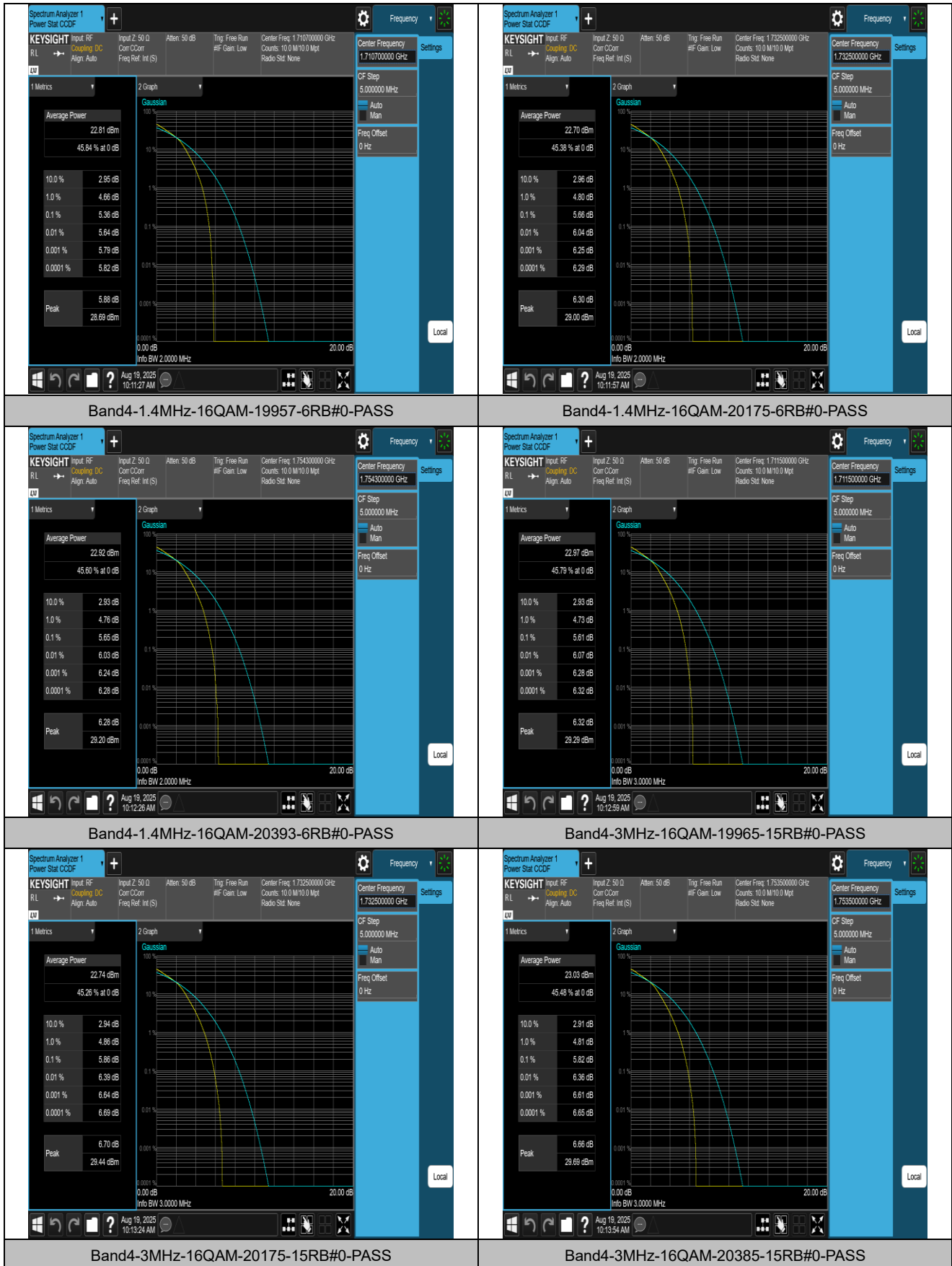
Band4	10MHz	16QAM	20000	1RB#24	23.85	25.85	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.77	25.77	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.78	24.78	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.58	25.58	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.98	25.98	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.91	24.91	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.66	24.66	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.69	25.69	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	24.16	26.16	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.83	25.83	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.99	24.99	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.29	25.29	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.49	25.49	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.28	25.28	30.00	PASS
Band4	15MHz	16QAM	20025	54RB#0	22.69	24.69	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.55	25.55	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.61	25.61	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.94	24.94	30.00	PASS
Band4	15MHz	16QAM	20175	54RB#0	22.78	24.78	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.74	25.74	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	24.19	26.19	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.79	25.79	30.00	PASS
Band4	15MHz	16QAM	20325	54RB#0	23.09	25.09	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.54	25.54	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.58	25.58	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.10	25.1	30.00	PASS
Band4	20MHz	16QAM	20050	54RB#0	22.81	24.81	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.61	25.61	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.97	25.97	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.43	24.43	30.00	PASS
Band4	20MHz	16QAM	20175	54RB#0	22.73	24.73	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.76	25.76	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	24.25	26.25	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.79	25.79	30.00	PASS
Band4	20MHz	16QAM	20300	54RB#0	23.02	25.02	30.00	PASS

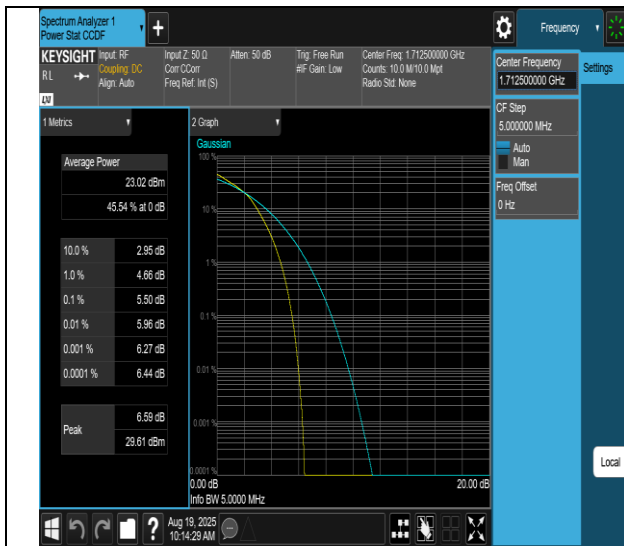
Peak-to-Average Ratio(CCDF)

Test Result

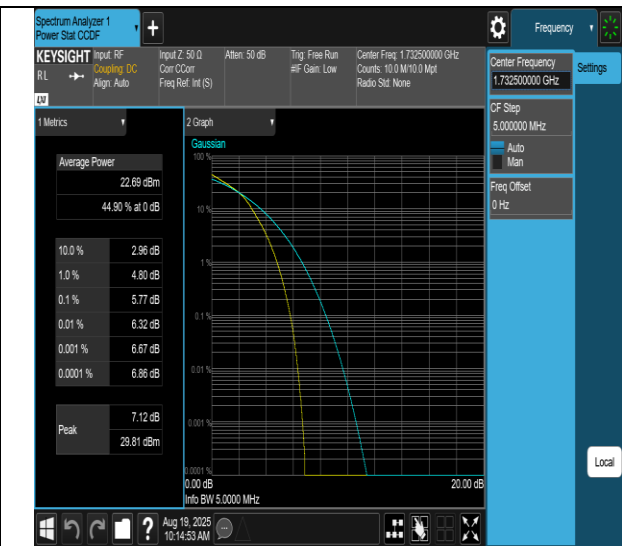
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band4	1.4MHz	16QAM	19957	6RB#0	5.36	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.66	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.65	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.61	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.86	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.82	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.50	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.77	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.74	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.61	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.84	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.82	13	PASS
Band4	15MHz	16QAM	20025	54RB#0	5.58	13	PASS
Band4	15MHz	16QAM	20175	54RB#0	5.70	13	PASS
Band4	15MHz	16QAM	20325	54RB#0	5.70	13	PASS
Band4	20MHz	16QAM	20050	54RB#0	5.27	13	PASS
Band4	20MHz	16QAM	20175	54RB#0	5.38	13	PASS
Band4	20MHz	16QAM	20300	54RB#0	5.43	13	PASS

Test Graphs

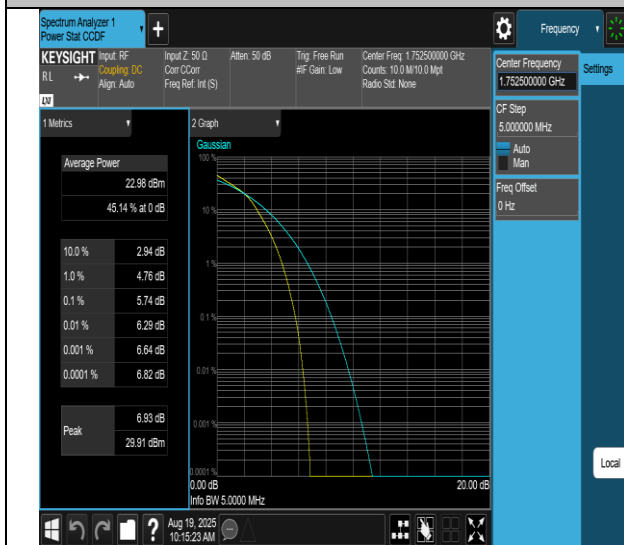




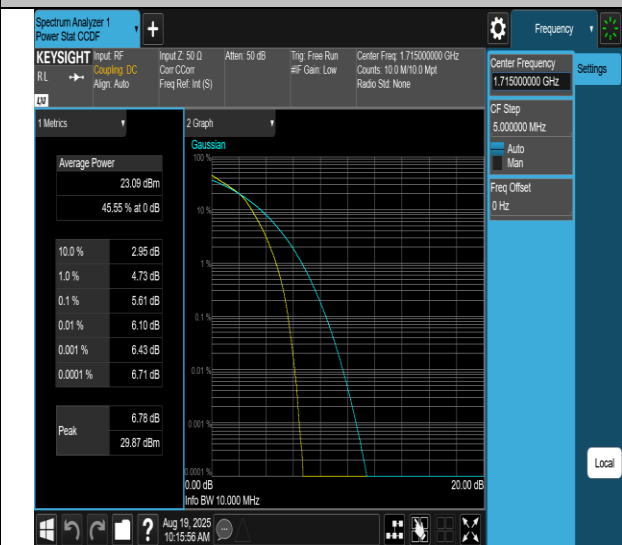
Band4-5MHz-16QAM-19975-25RB#0-PASS



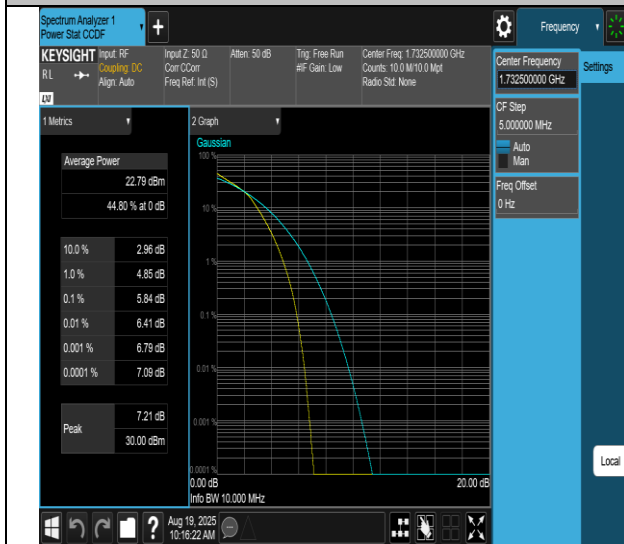
Band4-5MHz-16QAM-20175-25RB#0-PASS



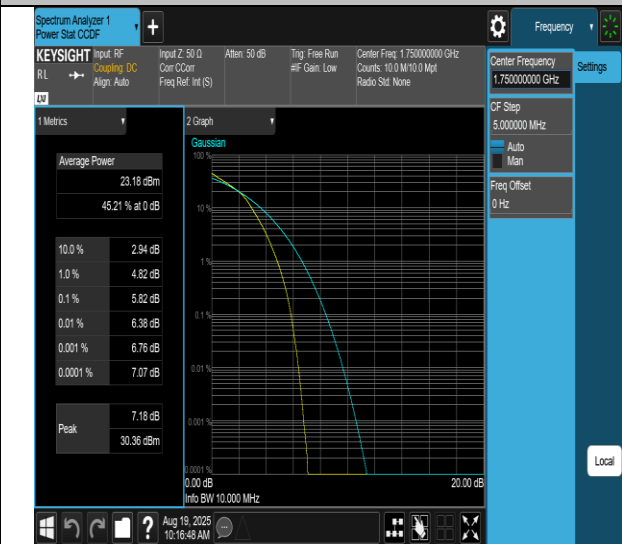
Band4-5MHz-16QAM-20375-25RB#0-PASS



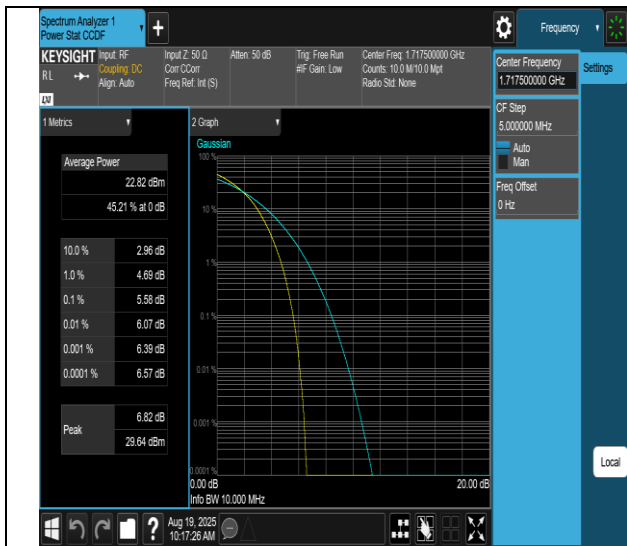
Band4-10MHz-16QAM-20000-50RB#0-PASS



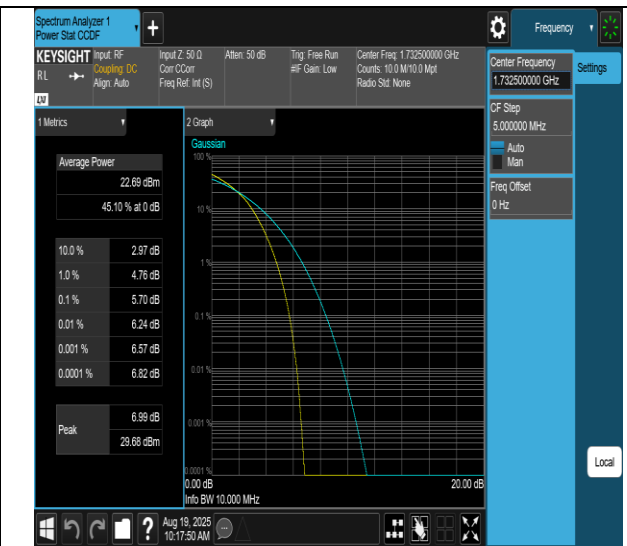
Band4-10MHz-16QAM-20175-50RB#0-PASS



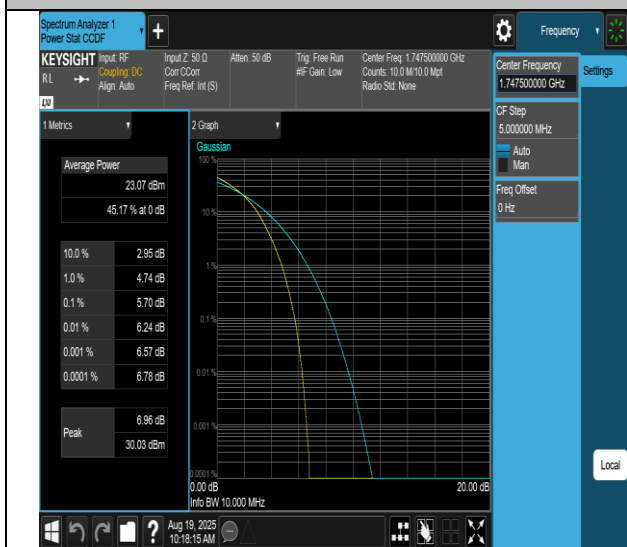
Band4-10MHz-16QAM-20350-50RB#0-PASS



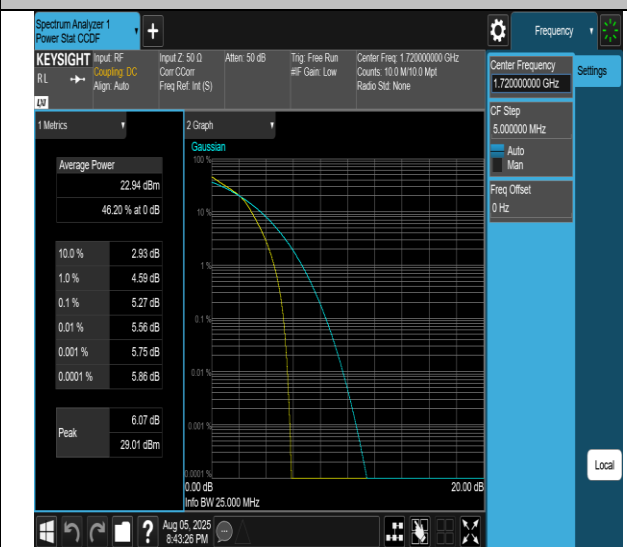
Band4-15MHz-16QAM-20025-54RB#0-PASS



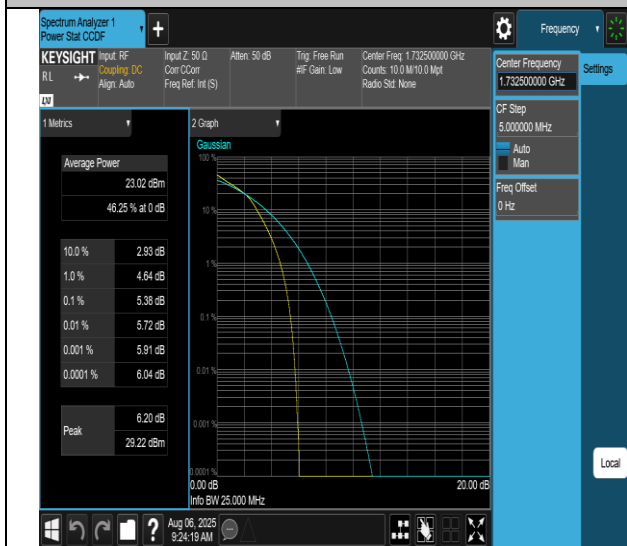
Band4-15MHz-16QAM-20175-54RB#0-PASS



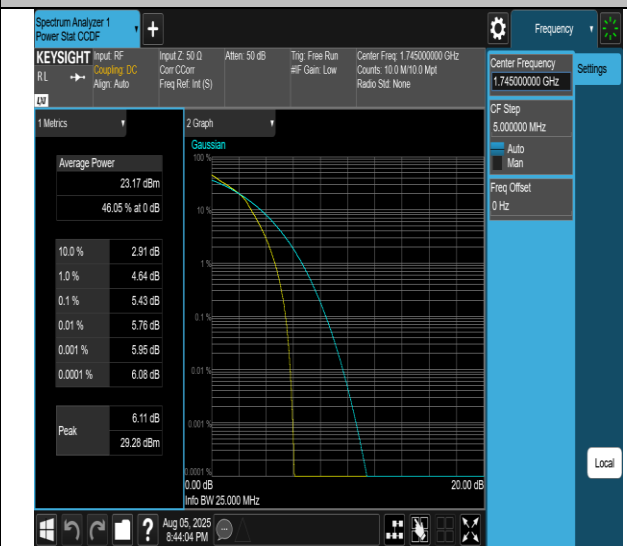
Band4-15MHz-16QAM-20325-54RB#0-PASS



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



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



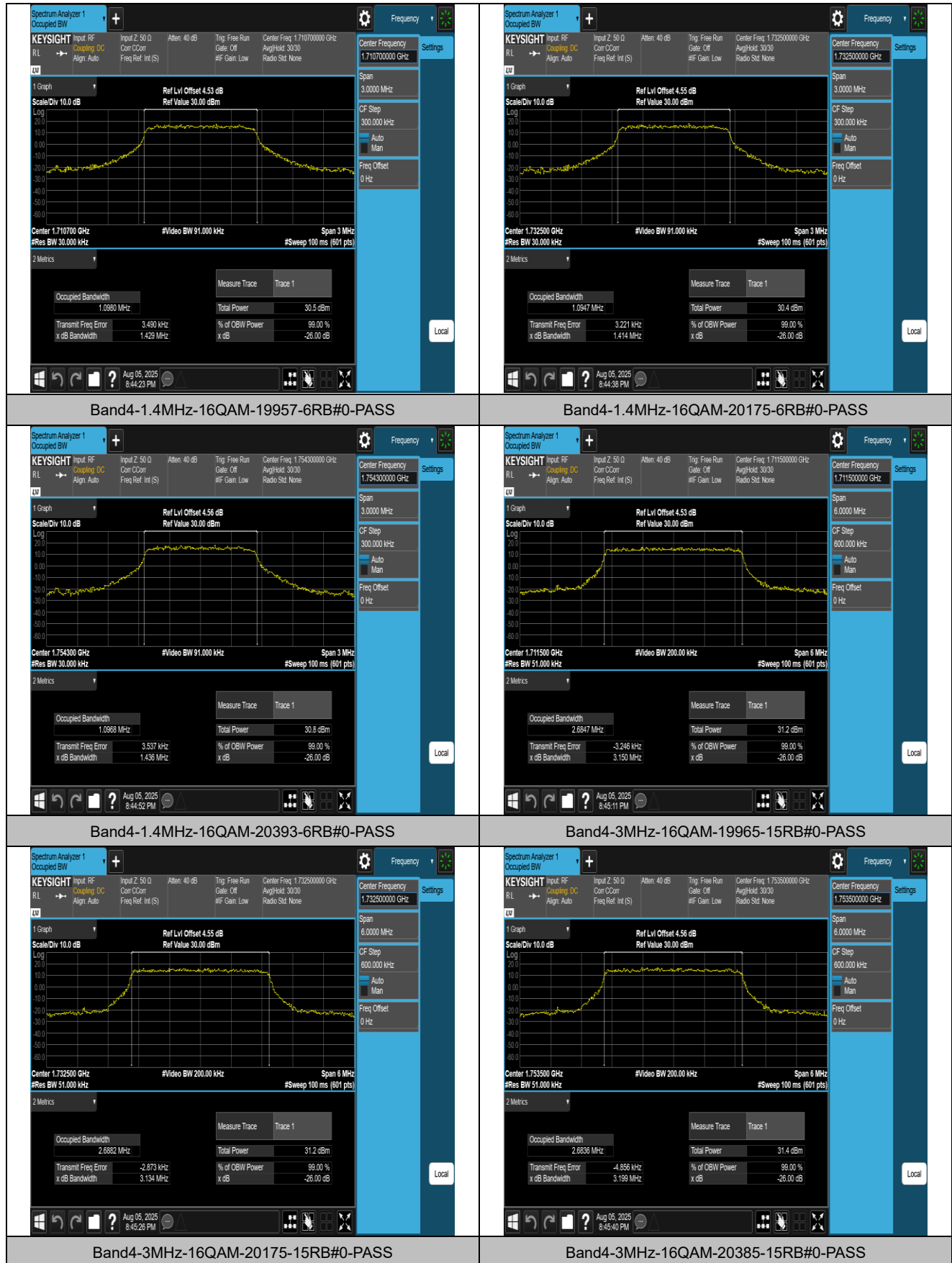
Band4-20MHz-16QAM-20300-54RB#0-PASS

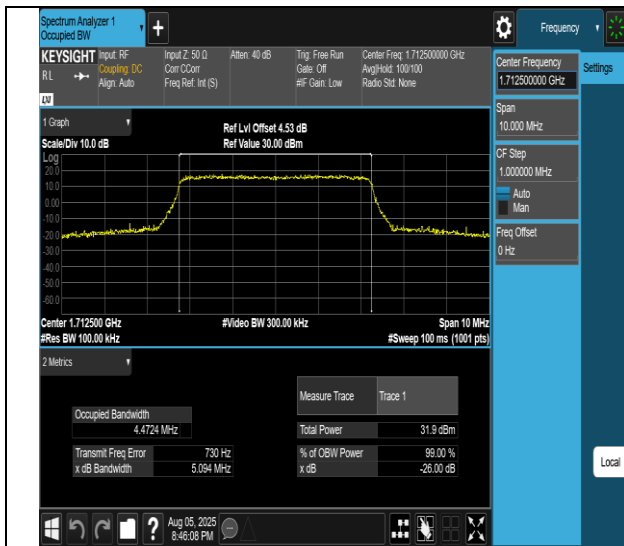
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band4	1.4MHz	16QAM	19957	6RB#0	1.0980	1.429	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0947	1.414	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0968	1.436	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6847	3.150	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6882	3.134	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6836	3.199	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4724	5.094	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4757	5.090	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4724	5.063	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9405	9.636	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9213	9.677	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9356	9.675	PASS
Band4	15MHz	16QAM	20025	54RB#0	10.038	14.90	PASS
Band4	15MHz	16QAM	20175	54RB#0	9.9731	14.78	PASS
Band4	15MHz	16QAM	20325	54RB#0	10.021	14.73	PASS
Band4	20MHz	16QAM	20050	54RB#0	10.518	17.38	PASS
Band4	20MHz	16QAM	20175	54RB#0	10.356	16.76	PASS
Band4	20MHz	16QAM	20300	54RB#0	10.339	16.60	PASS

Test Graphs





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



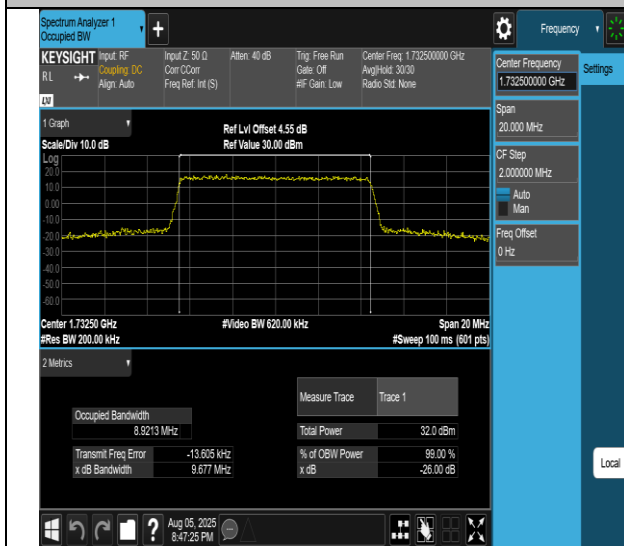
Band4-5MHz-16QAM-20175-25RB#0-PASS



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



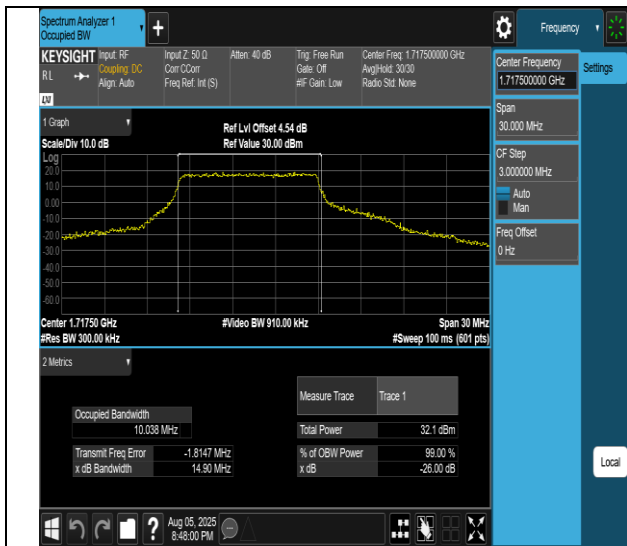
Band4-10MHz-16QAM-20000-50RB#0-PASS



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



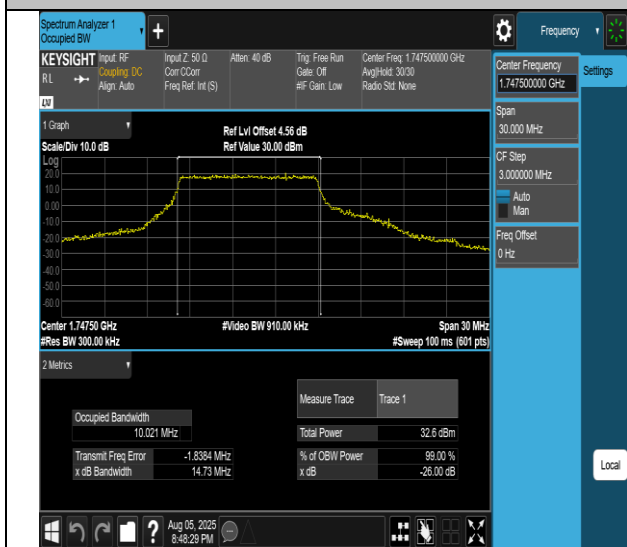
Band4-10MHz-16QAM-20350-50RB#0-PASS



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~