

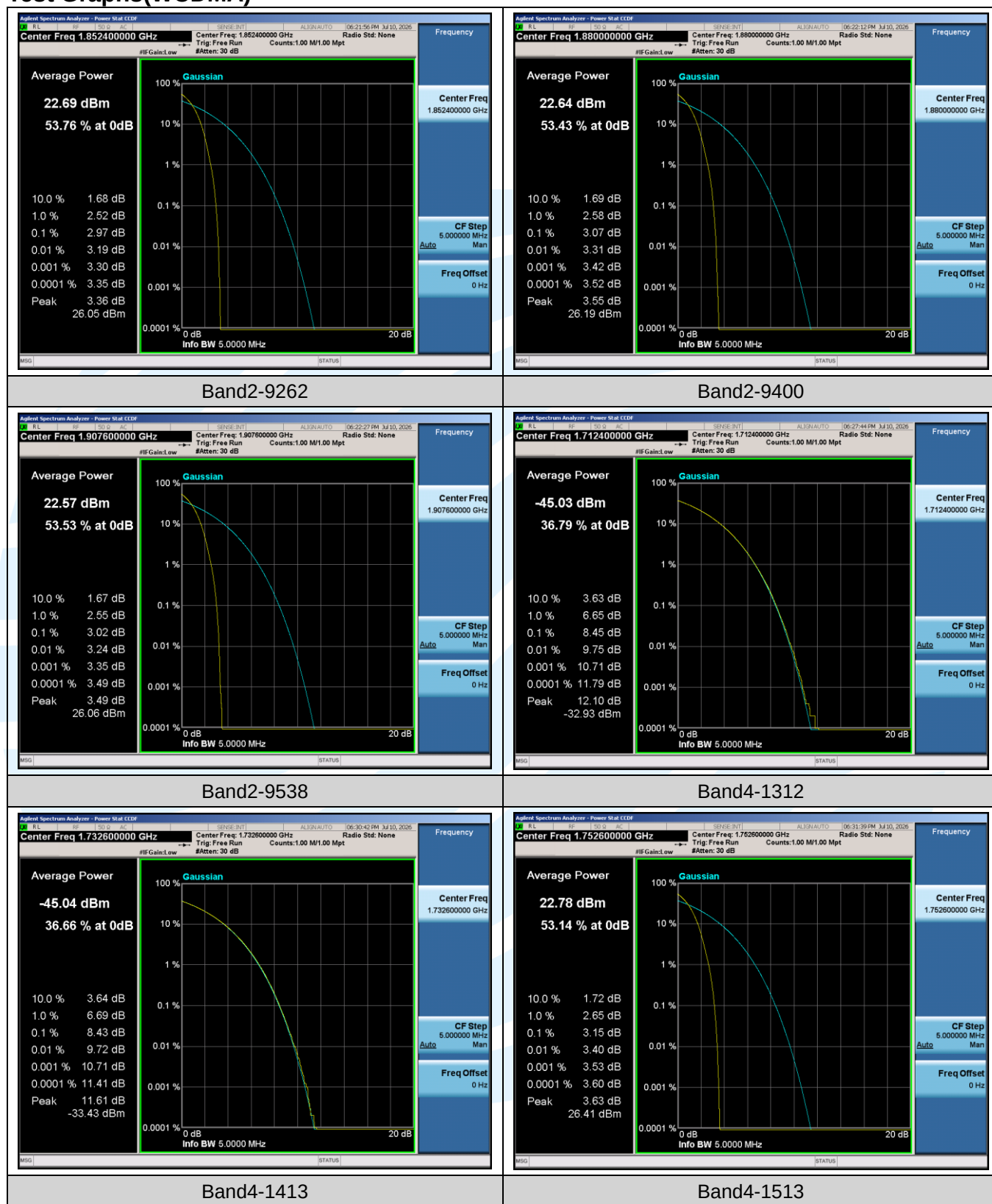
APPENDIX B WCDMA RF TEST DATA

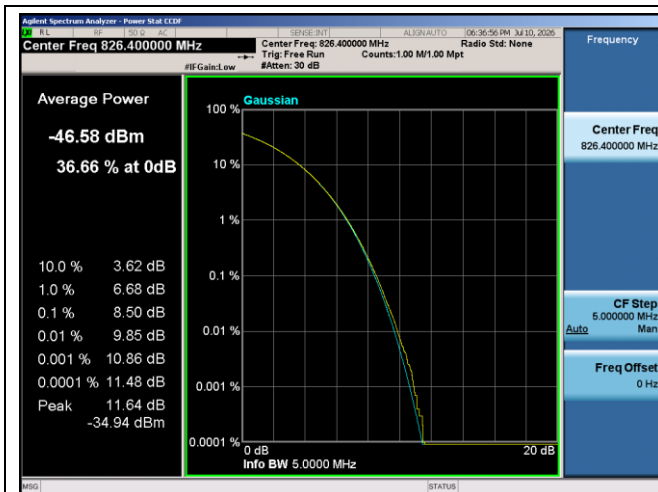
B.1 PEAK-TO-AVERAGE RATIO

Test Result(WCDMA)

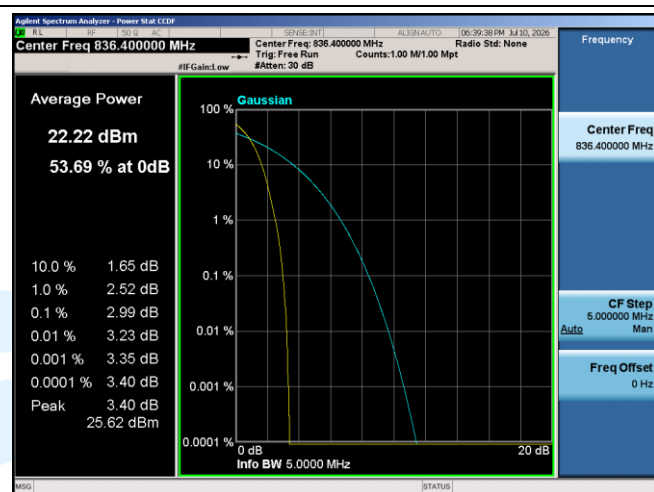
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.97	13	PASS
Band2	9400	3.07	13	PASS
Band2	9538	3.02	13	PASS
Band4	1312	8.45	13	PASS
Band4	1413	8.43	13	PASS
Band4	1513	3.15	13	PASS
Band5	4132	8.5	13	PASS
Band5	4182	2.99	13	PASS
Band5	4233	2.95	13	PASS

Test Graphs(WCDMA)

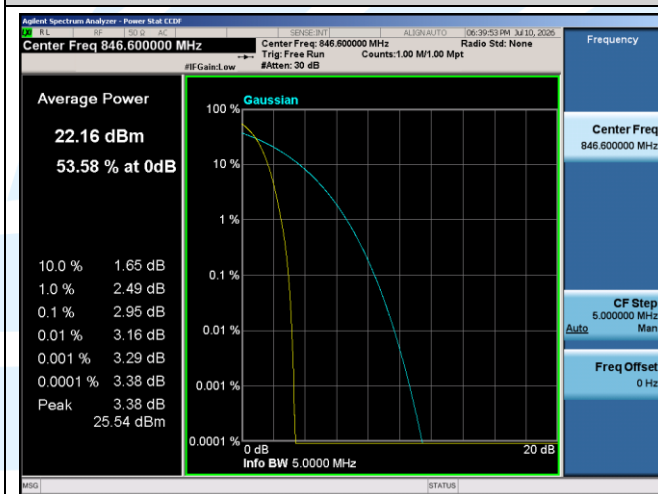




Band5-4132



Band5-4182



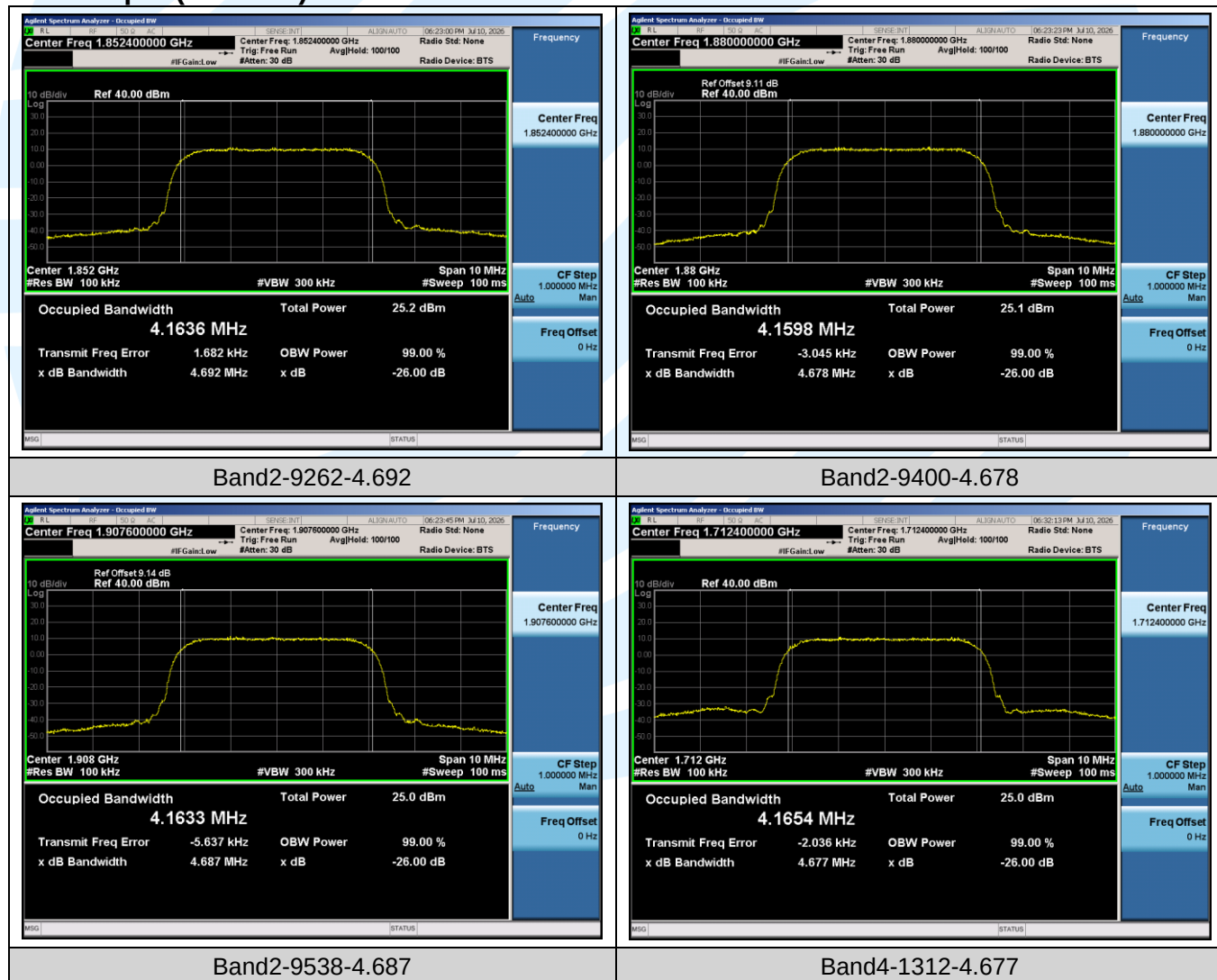
Band5-4233

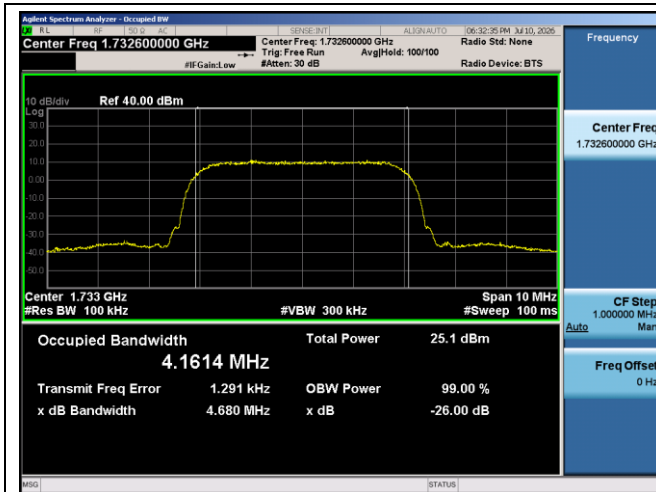
B.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result(WCDMA)

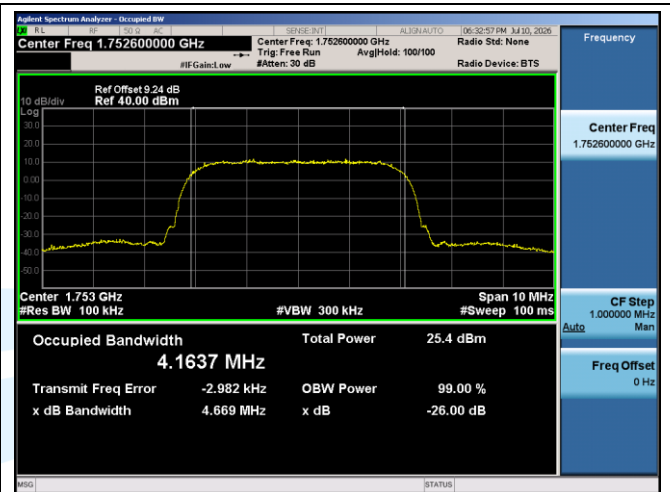
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1636	4.692	---	PASS
Band2	9400	4.1598	4.678	---	PASS
Band2	9538	4.1633	4.687	---	PASS
Band4	1312	4.1654	4.677	---	PASS
Band4	1413	4.1614	4.680	---	PASS
Band4	1513	4.1637	4.669	---	PASS
Band5	4132	4.1592	4.695	---	PASS
Band5	4182	4.1688	4.678	---	PASS
Band5	4233	4.1658	4.686	---	PASS

Test Graphs(WCDMA)

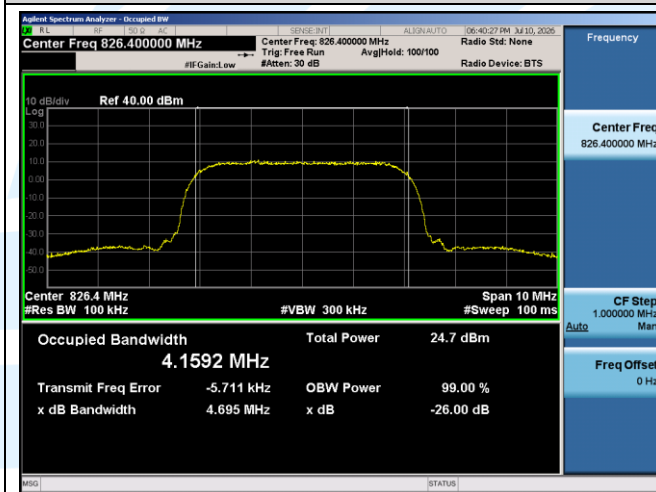




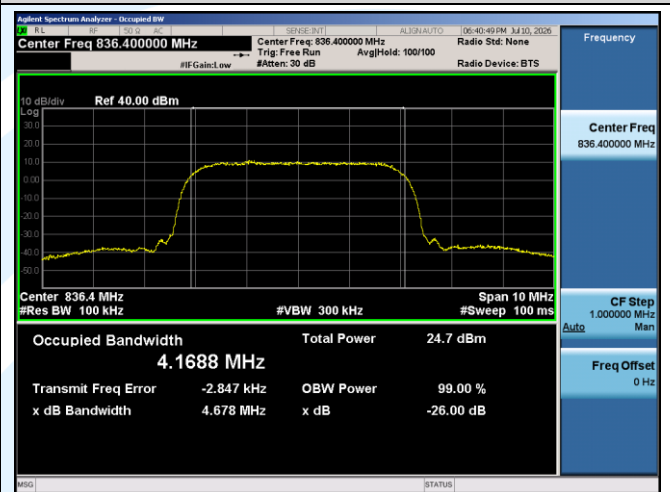
Band4-1413-4.680



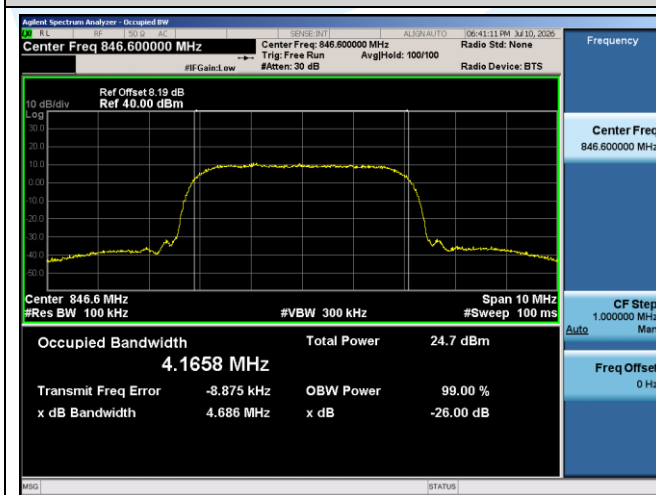
Band4-1513-4.669



Band5-4132-4.695



Band5-4182-4.678



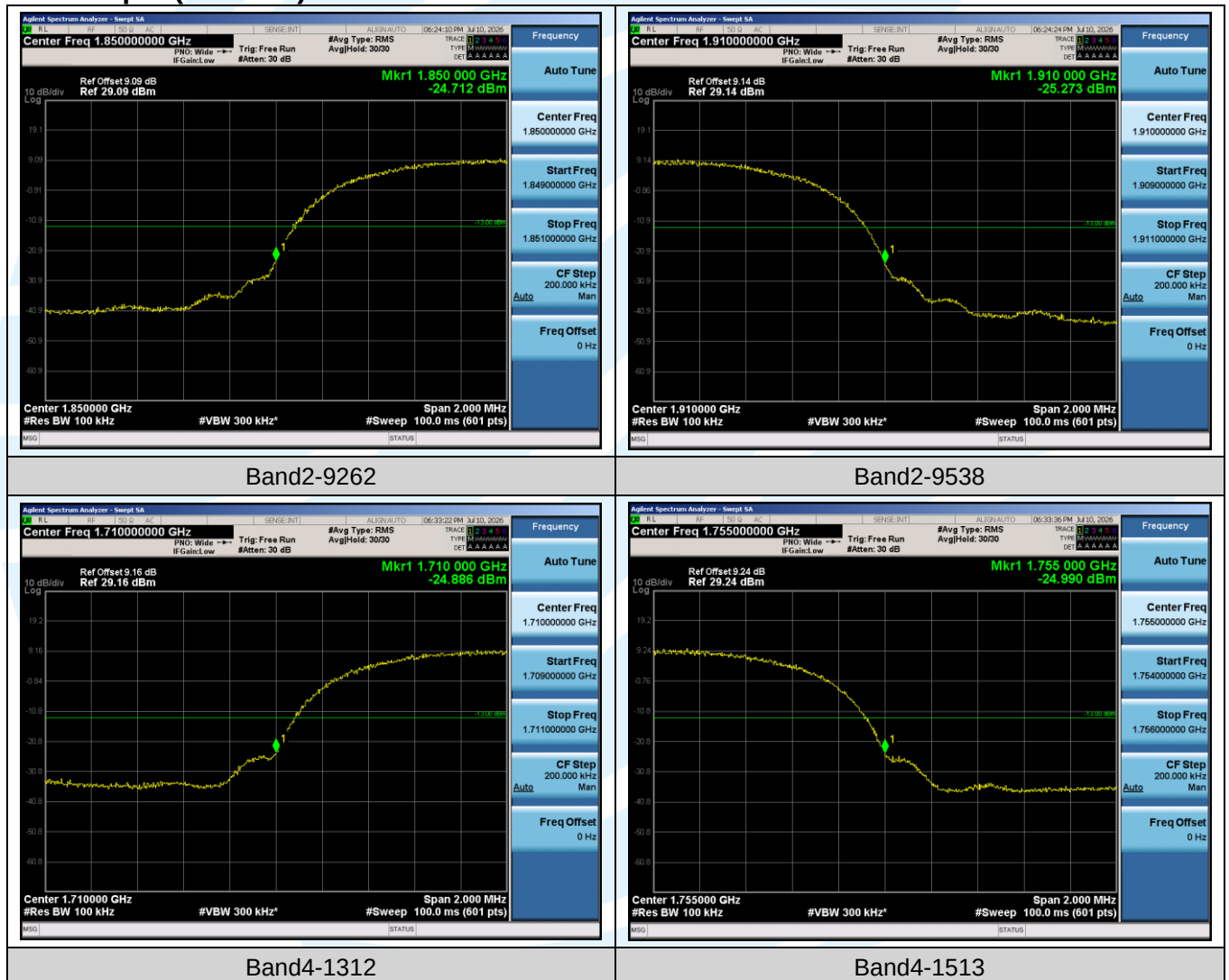
Band5-4233-4.686

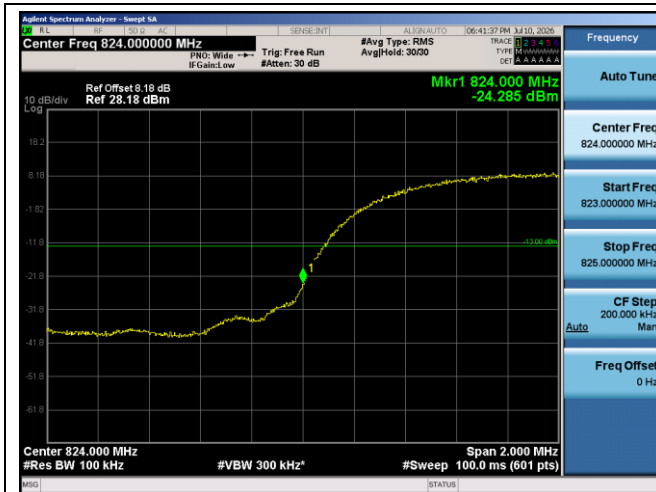
B.3 BAND EDGE

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1850.00	-24.69	-13	PASS
Band2	9538	1910.00	-25.27	-13	PASS
Band4	1312	1710.00	-24.89	-13	PASS
Band4	1513	1755.00	-24.99	-13	PASS
Band5	4132	824.00	-24.28	-13	PASS
Band5	4233	849.00	-23.92	-13	PASS

Test Graphs(WCDMA)





Band5-4132



Band5-4233

B.4 CONDUCTED SPURIOUSEMISSION

Test Result(WCDMA)

Band	Channel	Frequency Range (MHz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	999.18	-43.62	-13	PASS
Band2	9262	1000~3000MHz	2893.6	-41.49	-13	PASS
Band2	9262	3000~20000MHz	6907.1	-37.85	-13	PASS
Band2	9400	30~1000MHz	867.08	-43.59	-13	PASS
Band2	9400	1000~3000MHz	2984.8	-41.62	-13	PASS
Band2	9400	3000~20000MHz	6924.1	-37.77	-13	PASS
Band2	9538	30~1000MHz	967.17	-43.47	-13	PASS
Band2	9538	1000~3000MHz	2861	-41.46	-13	PASS
Band2	9538	3000~20000MHz	6932.6	-37.79	-13	PASS
Band4	1312	30~1000MHz	997.62	-43.61	-13	PASS
Band4	1312	1000~3000MHz	2893.2	-41.5	-13	PASS
Band4	1312	3000~20000MHz	6961.5	-37.74	-13	PASS
Band4	1413	30~1000MHz	972.79	-43.54	-13	PASS
Band4	1413	1000~3000MHz	2839.8	-41.41	-13	PASS
Band4	1413	3000~20000MHz	6900.3	-37.67	-13	PASS
Band4	1513	30~1000MHz	896.08	-43.64	-13	PASS
Band4	1513	1000~3000MHz	2992.2	-41.59	-13	PASS
Band4	1513	3000~20000MHz	6919	-38.11	-13	PASS
Band5	4132	30~1000MHz	956.64	-52.13	-13	PASS
Band5	4132	1000~10000MHz	6986.73	-37.67	-13	PASS
Band5	4182	30~1000MHz	988.46	-51.95	-13	PASS
Band5	4182	1000~10000MHz	6902.13	-37.75	-13	PASS
Band5	4233	30~1000MHz	971.77	-52.01	-13	PASS
Band5	4233	1000~10000MHz	6904.38	-37.78	-13	PASS

Test Graphs(WCDMA)









B.5 FREQUENCY STABILITY

Test Result(WCDMA)

Voltage							
Band	Channel	Voltage (Vdc)	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	0.16	0.000086	±2.5	PASS
Band2	9262	VN	NT	0.33	0.000178	±2.5	PASS
Band2	9262	VH	NT	2.88	0.001555	±2.5	PASS
Band2	9400	VL	NT	2.32	0.001234	±2.5	PASS
Band2	9400	VN	NT	1.47	0.000782	±2.5	PASS
Band2	9400	VH	NT	1.12	0.000596	±2.5	PASS
Band2	9538	VL	NT	0.65	0.000341	±2.5	PASS
Band2	9538	VN	NT	0.28	0.000147	±2.5	PASS
Band2	9538	VH	NT	-1.20	-0.000629	±2.5	PASS
Band4	1312	VL	NT	-0.67	-0.000391	±2.5	PASS
Band4	1312	VN	NT	-0.54	-0.000315	±2.5	PASS
Band4	1312	VH	NT	1.80	0.001051	±2.5	PASS
Band4	1413	VL	NT	1.60	0.000923	±2.5	PASS
Band4	1413	VN	NT	1.22	0.000704	±2.5	PASS
Band4	1413	VH	NT	-0.26	-0.000150	±2.5	PASS
Band4	1513	VL	NT	2.17	0.001238	±2.5	PASS
Band4	1513	VN	NT	1.86	0.001061	±2.5	PASS
Band4	1513	VH	NT	4.60	0.002625	±2.5	PASS
Band5	4132	VL	NT	-0.46	-0.000557	±2.5	PASS
Band5	4132	VN	NT	-0.33	-0.000399	±2.5	PASS
Band5	4132	VH	NT	-0.26	-0.000315	±2.5	PASS
Band5	4182	VL	NT	0.23	0.000275	±2.5	PASS
Band5	4182	VN	NT	-0.20	-0.000239	±2.5	PASS
Band5	4182	VH	NT	-0.43	-0.000514	±2.5	PASS
Band5	4233	VL	NT	-0.25	-0.000295	±2.5	PASS
Band5	4233	VN	NT	-0.82	-0.000969	±2.5	PASS
Band5	4233	VH	NT	-1.10	-0.001299	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Tempe. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	-2.07	-0.001117	±2.5	PASS
Band2	9262	NV	-20	-1.32	-0.000713	±2.5	PASS
Band2	9262	NV	-10	0.01	0.000005	±2.5	PASS
Band2	9262	NV	0	2.45	0.001323	±2.5	PASS
Band2	9262	NV	10	-3.26	-0.001760	±2.5	PASS
Band2	9262	NV	20	3.69	0.001992	±2.5	PASS

Band2	9262	NV	30	-0.97	-0.000524	±2.5	PASS
Band2	9262	NV	40	2.73	0.001474	±2.5	PASS
Band2	9262	NV	50	-5.56	-0.003002	±2.5	PASS
Band2	9400	NV	-30	-2.11	-0.001122	±2.5	PASS
Band2	9400	NV	-20	4.76	0.002532	±2.5	PASS
Band2	9400	NV	-10	0.96	0.000511	±2.5	PASS
Band2	9400	NV	0	-0.67	-0.000356	±2.5	PASS
Band2	9400	NV	10	-0.50	-0.000266	±2.5	PASS
Band2	9400	NV	20	-0.39	-0.000207	±2.5	PASS
Band2	9400	NV	30	-2.39	-0.001271	±2.5	PASS
Band2	9400	NV	40	4.37	0.002324	±2.5	PASS
Band2	9400	NV	50	-0.99	-0.000527	±2.5	PASS
Band2	9538	NV	-30	4.77	0.002501	±2.5	PASS
Band2	9538	NV	-20	-4.28	-0.002244	±2.5	PASS
Band2	9538	NV	-10	-0.24	-0.000126	±2.5	PASS
Band2	9538	NV	0	0.29	0.000152	±2.5	PASS
Band2	9538	NV	10	-4.29	-0.002249	±2.5	PASS
Band2	9538	NV	20	0.27	0.000142	±2.5	PASS
Band2	9538	NV	30	-3.45	-0.001809	±2.5	PASS
Band2	9538	NV	40	1.48	0.000776	±2.5	PASS
Band2	9538	NV	50	0.57	0.000299	±2.5	PASS
Band4	1312	NV	-30	-2.96	-0.001729	±2.5	PASS
Band4	1312	NV	-20	5.03	0.002937	±2.5	PASS
Band4	1312	NV	-10	4.72	0.002756	±2.5	PASS
Band4	1312	NV	0	0.82	0.000479	±2.5	PASS
Band4	1312	NV	10	-3.44	-0.002009	±2.5	PASS
Band4	1312	NV	20	-2.80	-0.001635	±2.5	PASS
Band4	1312	NV	30	-3.21	-0.001875	±2.5	PASS
Band4	1312	NV	40	-6.44	-0.003761	±2.5	PASS
Band4	1312	NV	50	-3.79	-0.002213	±2.5	PASS
Band4	1413	NV	-30	1.63	0.000941	±2.5	PASS
Band4	1413	NV	-20	-2.65	-0.001529	±2.5	PASS
Band4	1413	NV	-10	-2.19	-0.001264	±2.5	PASS
Band4	1413	NV	0	0.74	0.000427	±2.5	PASS
Band4	1413	NV	10	-4.11	-0.002372	±2.5	PASS
Band4	1413	NV	20	-1.35	-0.000779	±2.5	PASS
Band4	1413	NV	30	-2.37	-0.001368	±2.5	PASS
Band4	1413	NV	40	-4.56	-0.002632	±2.5	PASS
Band4	1413	NV	50	-5.51	-0.003180	±2.5	PASS
Band4	1513	NV	-30	0.87	0.000496	±2.5	PASS

Band4	1513	NV	-20	-3.65	-0.002083	±2.5	PASS
Band4	1513	NV	-10	1.06	0.000605	±2.5	PASS
Band4	1513	NV	0	3.36	0.001917	±2.5	PASS
Band4	1513	NV	10	-0.33	-0.000188	±2.5	PASS
Band4	1513	NV	20	3.37	0.001923	±2.5	PASS
Band4	1513	NV	30	2.91	0.001660	±2.5	PASS
Band4	1513	NV	40	1.50	0.000856	±2.5	PASS
Band4	1513	NV	50	1.27	0.000725	±2.5	PASS
Band5	4132	NV	-30	-0.58	-0.000702	±2.5	PASS
Band5	4132	NV	-20	-0.66	-0.000799	±2.5	PASS
Band5	4132	NV	-10	-0.74	-0.000895	±2.5	PASS
Band5	4132	NV	0	-0.27	-0.000327	±2.5	PASS
Band5	4132	NV	10	0.90	0.001089	±2.5	PASS
Band5	4132	NV	20	-1.83	-0.002214	±2.5	PASS
Band5	4132	NV	30	-1.09	-0.001319	±2.5	PASS
Band5	4132	NV	40	-1.51	-0.001827	±2.5	PASS
Band5	4132	NV	50	-0.07	-0.000085	±2.5	PASS
Band5	4182	NV	-30	-0.74	-0.000885	±2.5	PASS
Band5	4182	NV	-20	0.65	0.000777	±2.5	PASS
Band5	4182	NV	-10	-0.77	-0.000921	±2.5	PASS
Band5	4182	NV	0	-0.04	-0.000048	±2.5	PASS
Band5	4182	NV	10	-0.69	-0.000825	±2.5	PASS
Band5	4182	NV	20	-1.49	-0.001781	±2.5	PASS
Band5	4182	NV	30	-0.76	-0.000909	±2.5	PASS
Band5	4182	NV	40	-0.82	-0.000980	±2.5	PASS
Band5	4182	NV	50	-1.26	-0.001506	±2.5	PASS
Band5	4233	NV	-30	1.22	0.001441	±2.5	PASS
Band5	4233	NV	-20	0.69	0.000815	±2.5	PASS
Band5	4233	NV	-10	1.06	0.001252	±2.5	PASS
Band5	4233	NV	0	0.85	0.001004	±2.5	PASS
Band5	4233	NV	10	0.84	0.000992	±2.5	PASS
Band5	4233	NV	20	-0.14	-0.000165	±2.5	PASS
Band5	4233	NV	30	-0.91	-0.001075	±2.5	PASS
Band5	4233	NV	40	-0.26	-0.000307	±2.5	PASS
Band5	4233	NV	50	-0.86	-0.001016	±2.5	PASS