



AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	23.09	23.67	33.01	PASS
Band2	TestMode	9262	23.18	23.76	33.01	PASS
Band2	TestMode	9400	23.48	24.06	33.01	PASS
Band2	Voice	9400	23.31	23.89	33.01	PASS
Band2	TestMode	9538	23.49	24.07	33.01	PASS
Band2	Voice	9538	23.30	23.88	33.01	PASS
Band4	Voice	1312	23.25	23.94	30.00	PASS
Band4	TestMode	1312	23.34	24.03	30.00	PASS
Band4	Voice	1413	23.29	23.98	30.00	PASS
Band4	TestMode	1413	23.36	24.05	30.00	PASS
Band4	TestMode	1513	23.32	24.01	30.00	PASS
Band4	Voice	1513	23.23	23.92	30.00	PASS
Band5	Voice	4132	23.69	22.38	38.45	PASS
Band5	TestMode	4132	23.66	22.35	38.45	PASS
Band5	TestMode	4183	23.65	22.34	38.45	PASS
Band5	Voice	4183	23.73	22.42	38.45	PASS
Band5	Voice	4233	23.68	22.37	38.45	PASS
Band5	TestMode	4233	23.69	22.38	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.26	23.84	33.01	PASS
Band2	9262	2	22.83	23.41	33.01	PASS
Band2	9262	3	22.80	23.38	33.01	PASS
Band2	9262	4	22.83	23.41	33.01	PASS
Band2	9400	1	23.43	24.01	33.01	PASS
Band2	9400	2	23.04	23.62	33.01	PASS
Band2	9400	3	23.05	23.63	33.01	PASS
Band2	9400	4	23.06	23.64	33.01	PASS
Band2	9538	1	23.43	24.01	33.01	PASS
Band2	9538	2	23.03	23.61	33.01	PASS
Band2	9538	3	23.10	23.68	33.01	PASS
Band2	9538	4	23.07	23.65	33.01	PASS
Band4	1312	1	23.29	23.98	30.00	PASS



Band4	1312	2	22.69	23.38	30.00	PASS
Band4	1312	3	22.67	23.36	30.00	PASS
Band4	1312	4	22.71	23.4	30.00	PASS
Band4	1413	1	23.40	24.09	30.00	PASS
Band4	1413	2	22.73	23.42	30.00	PASS
Band4	1413	3	22.73	23.42	30.00	PASS
Band4	1413	4	22.76	23.45	30.00	PASS
Band4	1513	1	23.37	24.06	30.00	PASS
Band4	1513	2	22.72	23.41	30.00	PASS
Band4	1513	3	22.75	23.44	30.00	PASS
Band4	1513	4	22.74	23.43	30.00	PASS
Band5	4132	1	23.76	22.45	38.5	PASS
Band5	4132	2	23.22	21.91	38.5	PASS
Band5	4132	3	23.25	21.94	38.5	PASS
Band5	4132	4	23.22	21.91	38.5	PASS
Band5	4183	1	23.74	22.43	38.5	PASS
Band5	4183	2	23.20	21.89	38.5	PASS
Band5	4183	3	23.25	21.94	38.5	PASS
Band5	4183	4	23.16	21.85	38.5	PASS
Band5	4233	1	23.82	22.51	38.5	PASS
Band5	4233	2	23.26	21.95	38.5	PASS
Band5	4233	3	23.28	21.97	38.5	PASS
Band5	4233	4	23.27	21.96	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.37	21.95	33.01	PASS
Band2	9262	2	21.89	22.47	33.01	PASS
Band2	9262	3	22.39	22.97	33.01	PASS
Band2	9262	4	21.42	22	33.01	PASS
Band2	9262	5	23.41	23.99	33.01	PASS
Band2	9400	1	21.57	22.15	33.01	PASS
Band2	9400	2	22.10	22.68	33.01	PASS
Band2	9400	3	22.65	23.23	33.01	PASS
Band2	9400	4	21.63	22.21	33.01	PASS
Band2	9400	5	23.62	24.2	33.01	PASS
Band2	9538	1	21.59	22.17	33.01	PASS
Band2	9538	2	22.12	22.7	33.01	PASS
Band2	9538	3	22.66	23.24	33.01	PASS
Band2	9538	4	21.64	22.22	33.01	PASS
Band2	9538	5	23.61	24.19	33.01	PASS



Band4	1312	1	21.32	22.01	30.00	PASS
Band4	1312	2	21.76	22.45	30.00	PASS
Band4	1312	3	22.29	22.98	30.00	PASS
Band4	1312	4	21.36	22.05	30.00	PASS
Band4	1312	5	23.32	24.01	30.00	PASS
Band4	1413	1	21.37	22.06	30.00	PASS
Band4	1413	2	21.80	22.49	30.00	PASS
Band4	1413	3	22.33	23.02	30.00	PASS
Band4	1413	4	21.38	22.07	30.00	PASS
Band4	1413	5	23.35	24.04	30.00	PASS
Band4	1513	1	21.28	21.97	30.00	PASS
Band4	1513	2	21.82	22.51	30.00	PASS
Band4	1513	3	22.36	23.05	30.00	PASS
Band4	1513	4	21.32	22.01	30.00	PASS
Band4	1513	5	23.33	24.02	30.00	PASS
Band5	4132	1	21.71	20.4	38.5	PASS
Band5	4132	2	22.24	20.93	38.5	PASS
Band5	4132	3	22.73	21.42	38.5	PASS
Band5	4132	4	21.74	20.43	38.5	PASS
Band5	4132	5	23.74	22.43	38.5	PASS
Band5	4183	1	21.69	20.38	38.5	PASS
Band5	4183	2	22.19	20.88	38.5	PASS
Band5	4183	3	22.72	21.41	38.5	PASS
Band5	4183	4	21.73	20.42	38.5	PASS
Band5	4183	5	23.72	22.41	38.5	PASS
Band5	4233	1	21.76	20.45	38.5	PASS
Band5	4233	2	22.27	20.96	38.5	PASS
Band5	4233	3	22.80	21.49	38.5	PASS
Band5	4233	4	21.80	20.49	38.5	PASS
Band5	4233	5	23.79	22.48	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & 4)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)



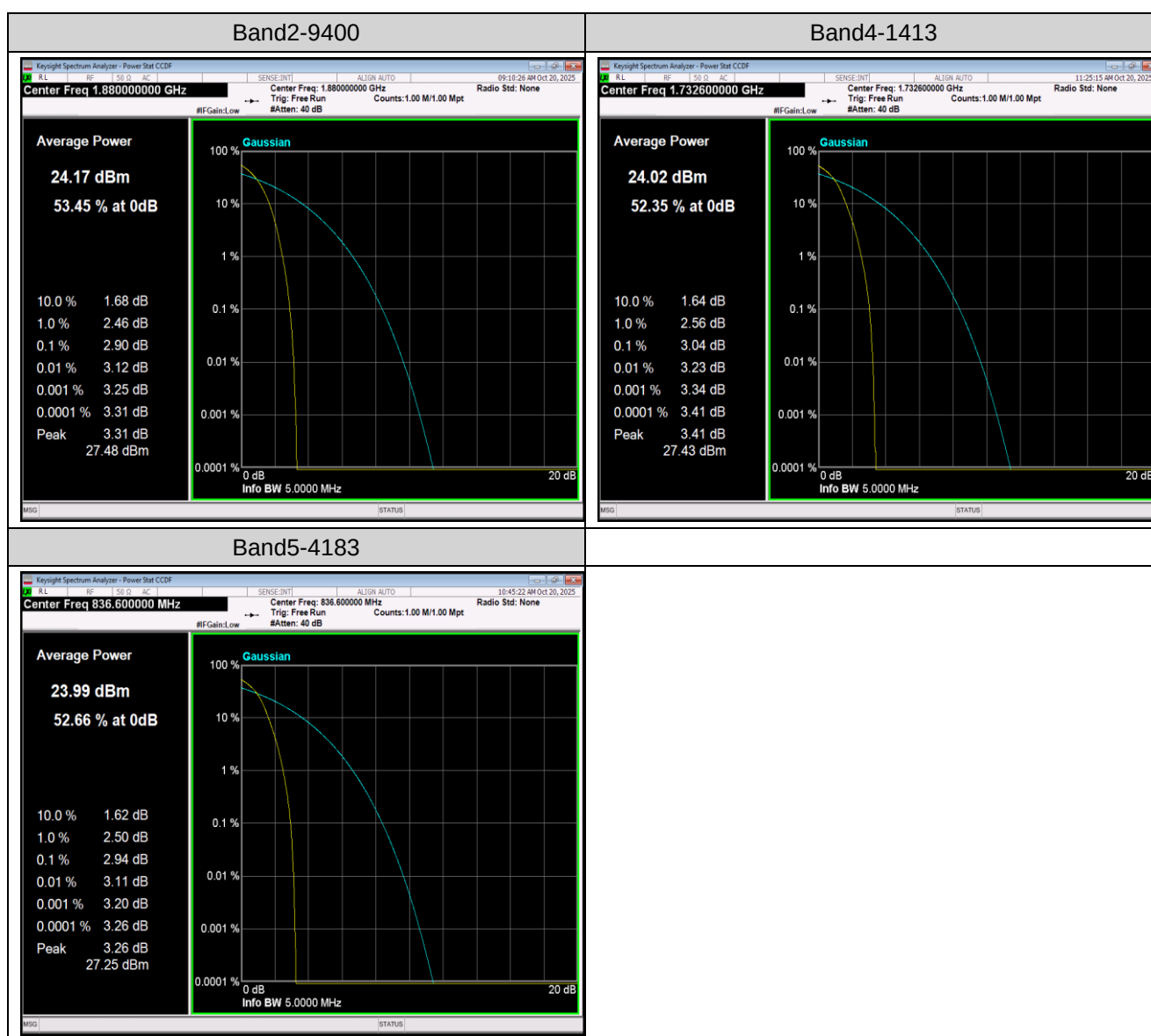
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.9	13	PASS
Band4	1413	3.04	13	PASS
Band5	4183	2.94	13	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs(WCDMA)

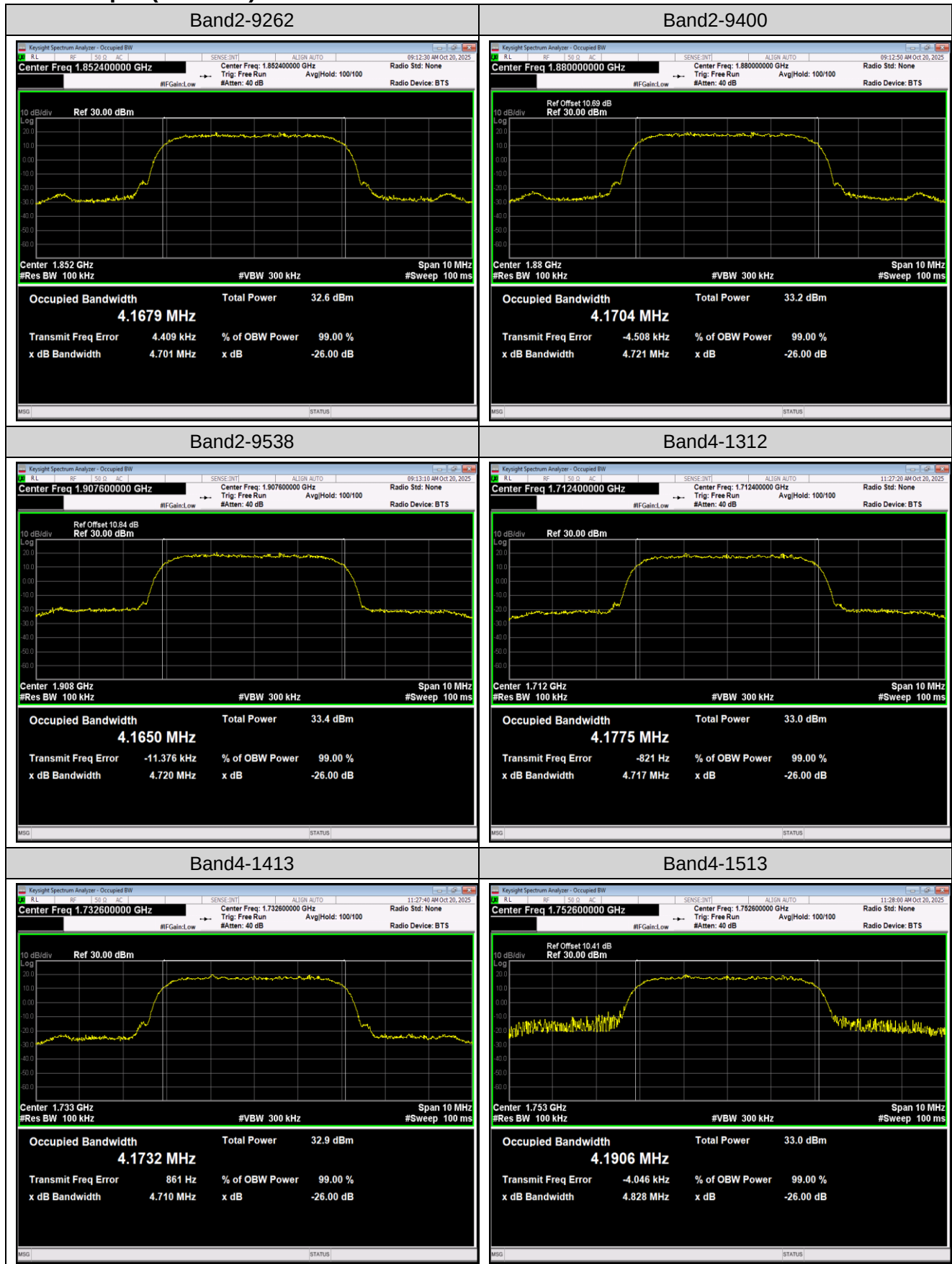


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1679	4.701	---	PASS
Band2	9400	4.1704	4.721	---	PASS
Band2	9538	4.1650	4.720	---	PASS
Band4	1312	4.1775	4.717	---	PASS
Band4	1413	4.1732	4.710	---	PASS
Band4	1513	4.1906	4.828	---	PASS
Band5	4132	4.1663	4.694	---	PASS
Band5	4183	4.1719	4.706	---	PASS
Band5	4233	4.1721	4.712	---	PASS

Test Graphs(WCDMA)







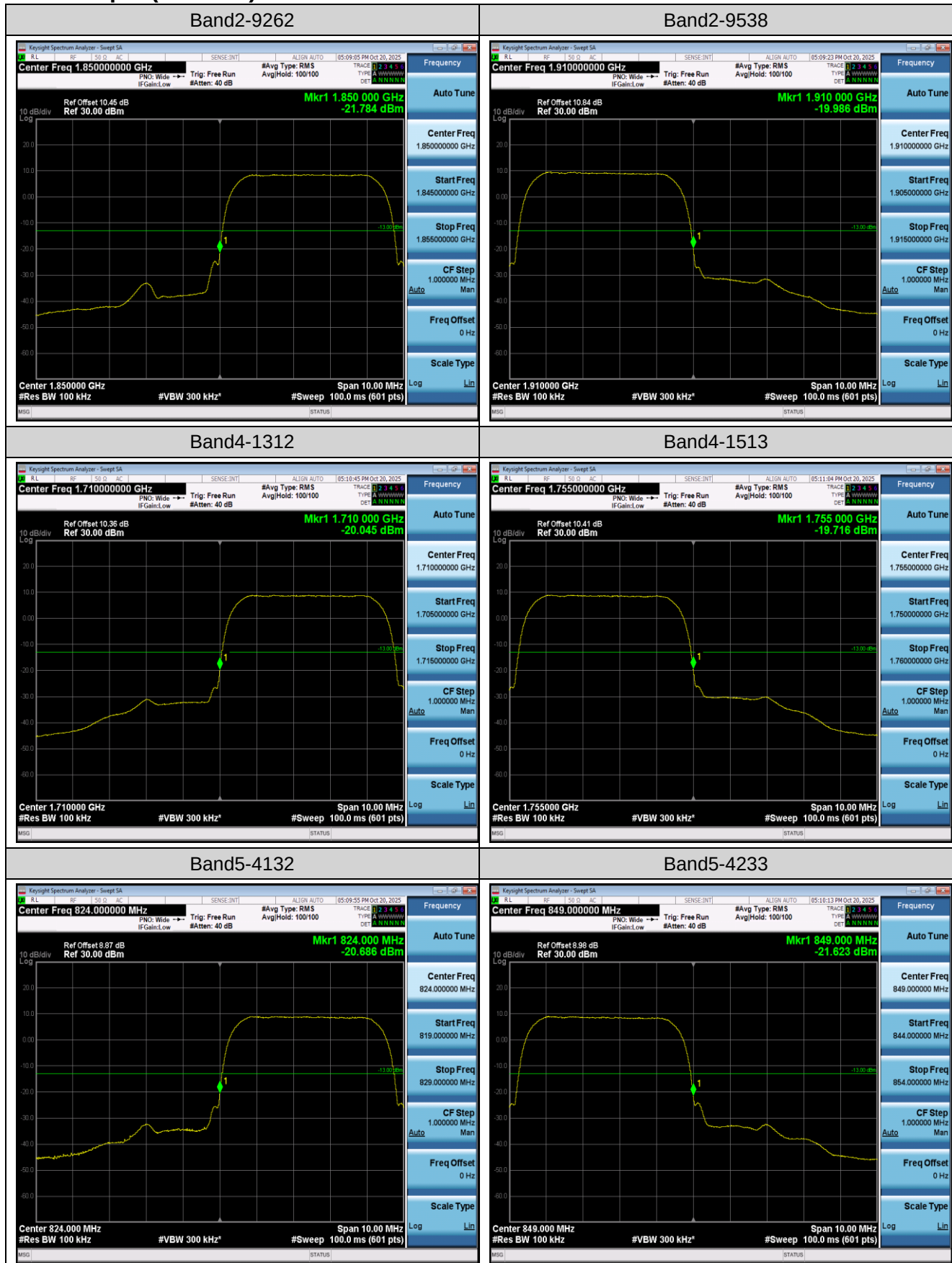
AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-21.78	-13	PASS
Band2	9538	1910.00	-19.99	-13	PASS
Band4	1312	1710.00	-20.05	-13	PASS
Band4	1513	1755.00	-19.72	-13	PASS
Band5	4132	824.00	-20.69	-13	PASS
Band5	4233	849.00	-21.62	-13	PASS



Test Graphs(WCDMA)



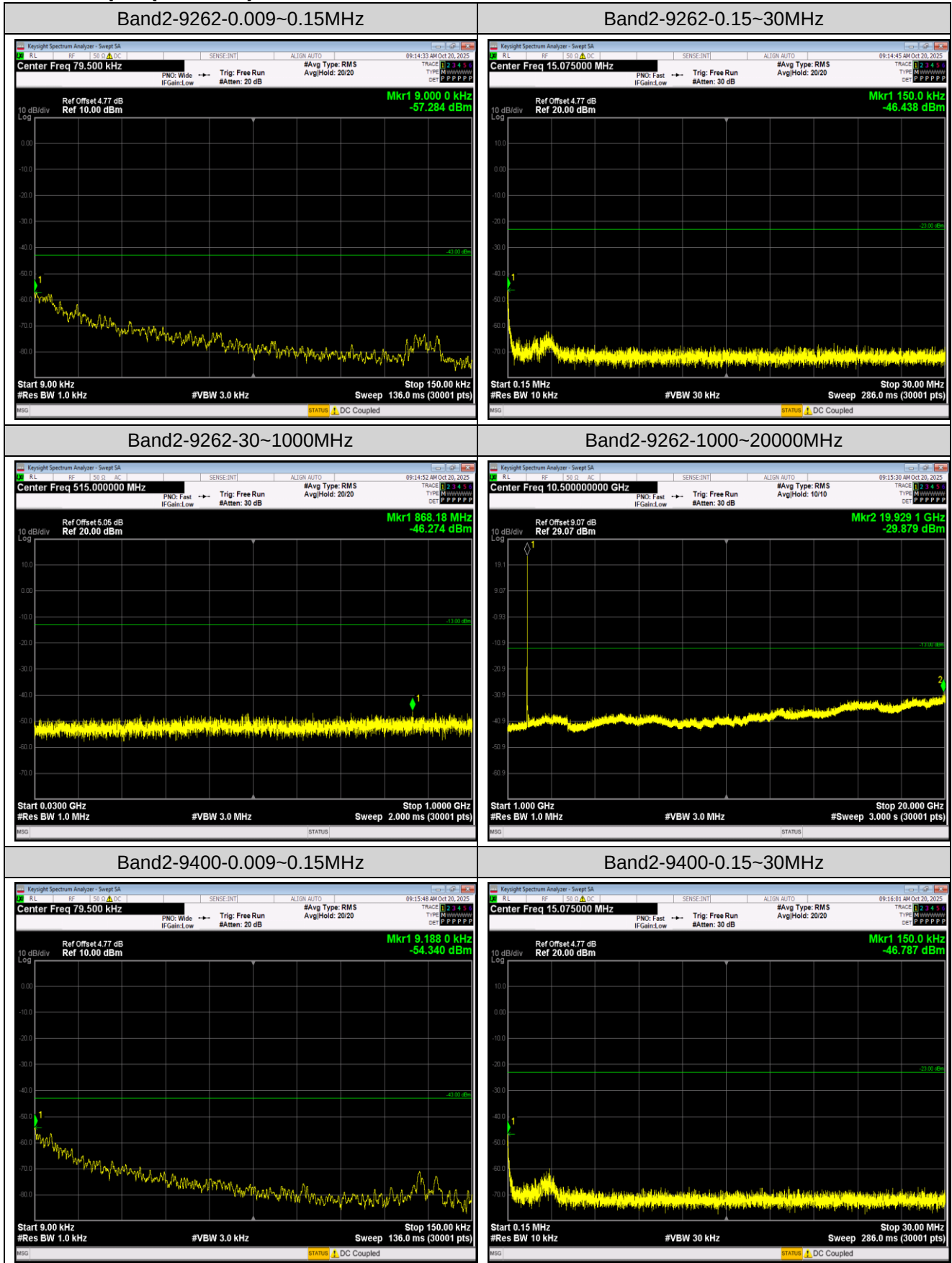


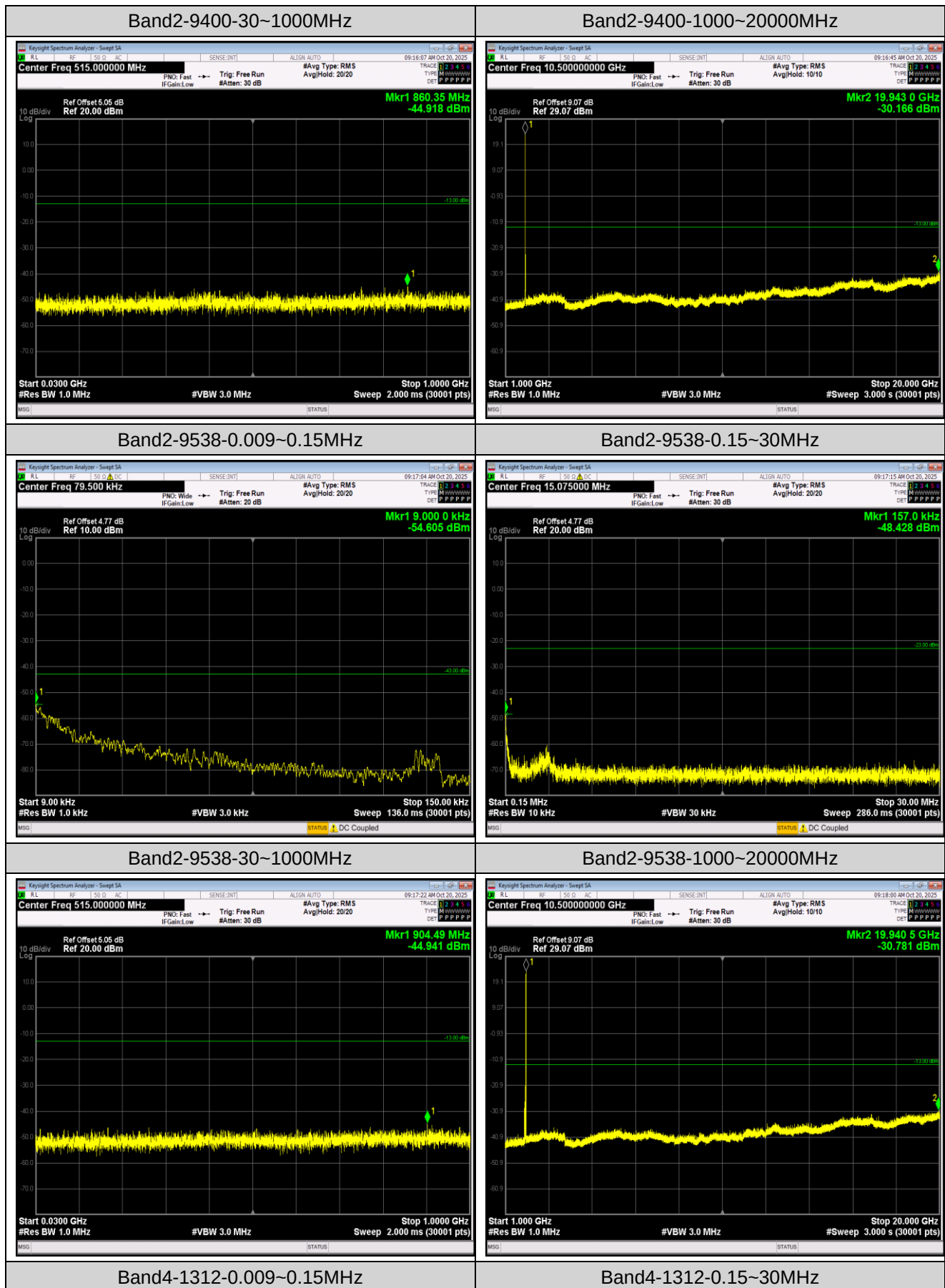
AppendixE:Conducted SpuriousEmission

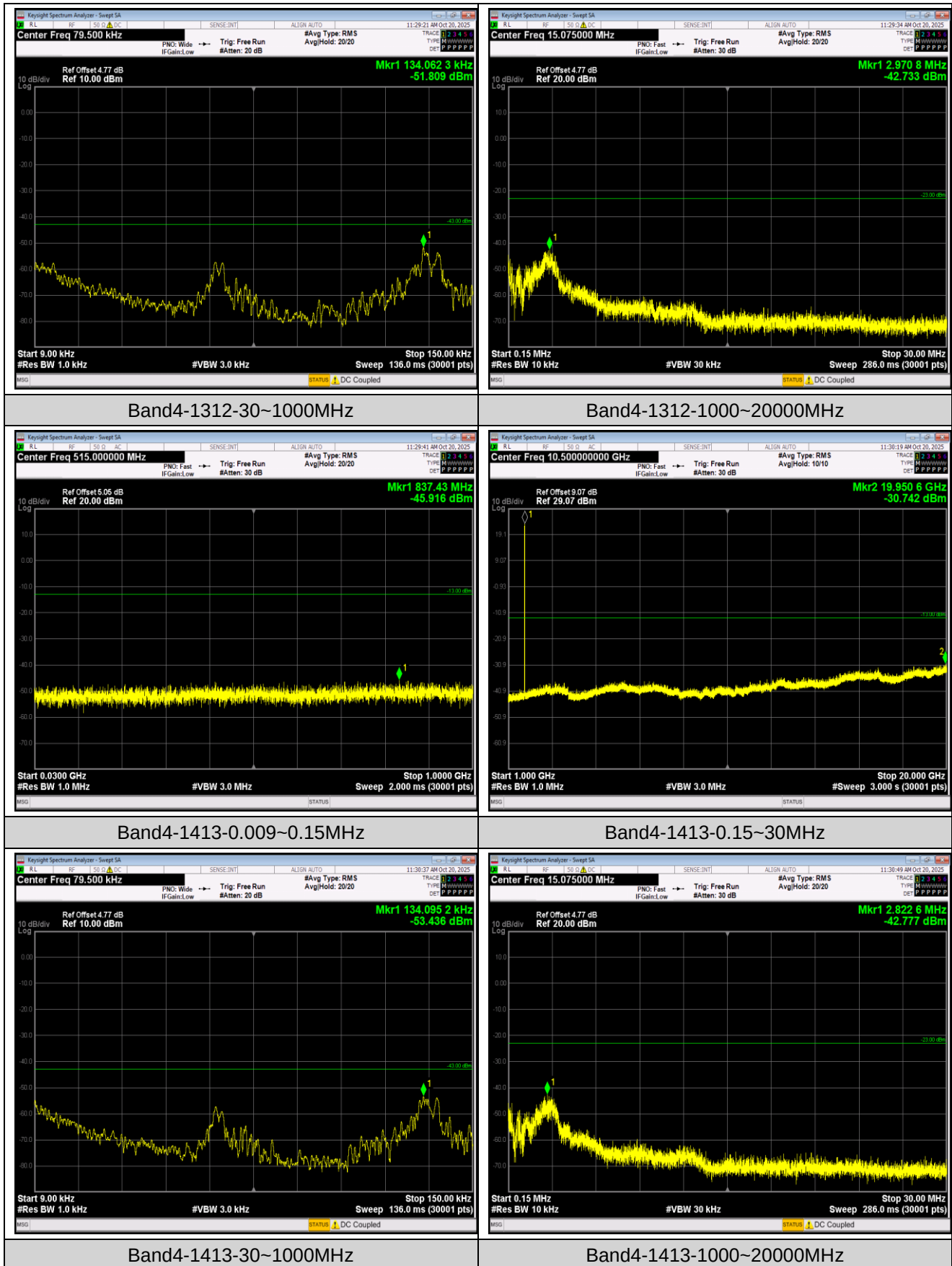
Test Result(WCDMA)

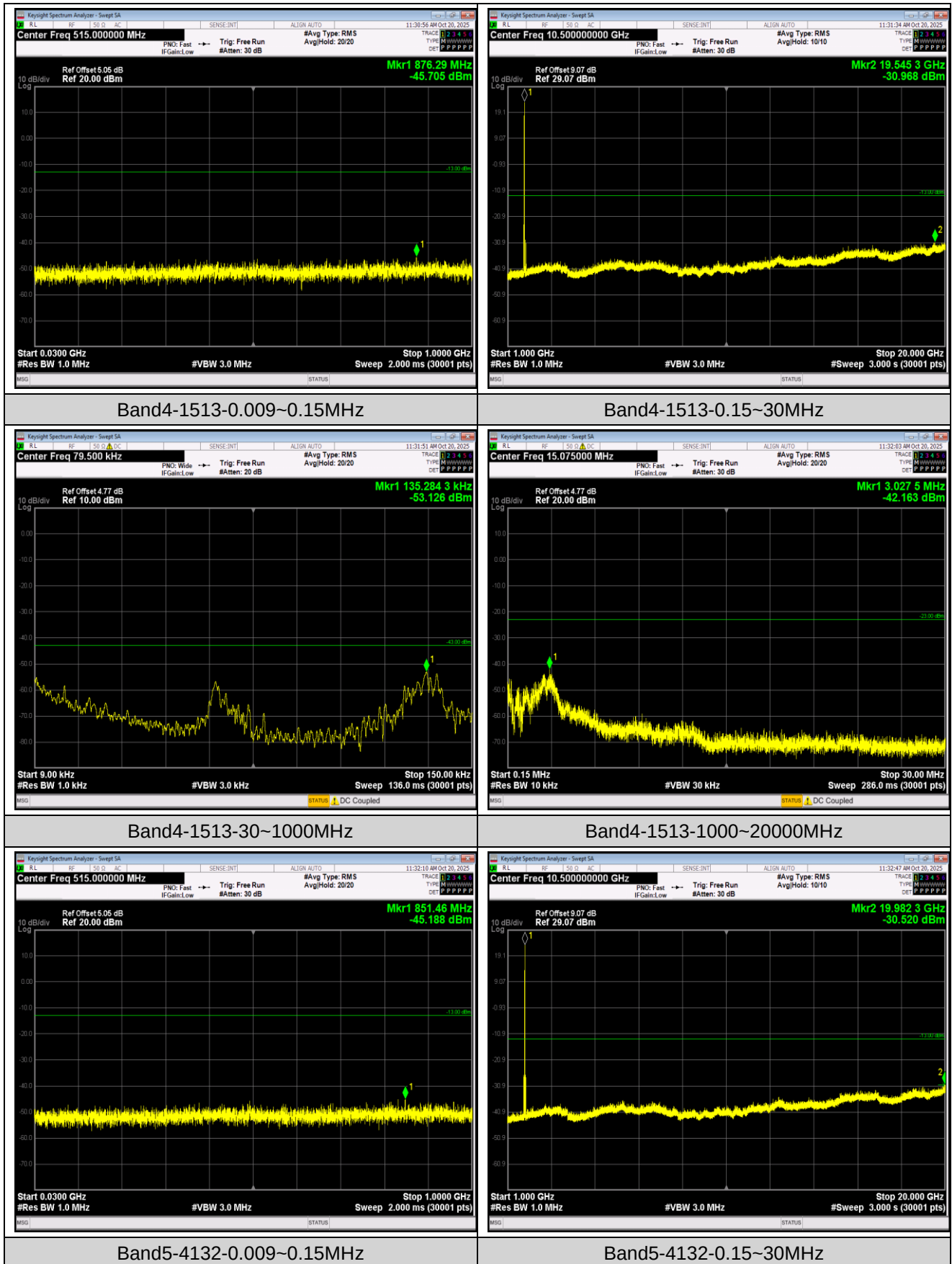
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.28	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.44	-23	PASS
Band2	9262	30~1000MHz	868.18	-46.27	-13	PASS
Band2	9262	1000~20000MHz	19929.07	-29.88	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.34	-43	PASS
Band2	9400	0.15~30MHz	0.15	-46.79	-23	PASS
Band2	9400	30~1000MHz	860.35	-44.92	-13	PASS
Band2	9400	1000~20000MHz	19943	-30.17	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.61	-43	PASS
Band2	9538	0.15~30MHz	0.16	-48.43	-23	PASS
Band2	9538	30~1000MHz	904.49	-44.94	-13	PASS
Band2	9538	1000~20000MHz	19940.47	-30.78	-13	PASS
Band4	1312	0.009~0.15MHz	0.13	-51.81	-43	PASS
Band4	1312	0.15~30MHz	2.97	-42.73	-23	PASS
Band4	1312	30~1000MHz	837.43	-45.92	-13	PASS
Band4	1312	1000~20000MHz	19950.6	-30.74	-13	PASS
Band4	1413	0.009~0.15MHz	0.13	-53.44	-43	PASS
Band4	1413	0.15~30MHz	2.82	-42.78	-23	PASS
Band4	1413	30~1000MHz	876.29	-45.71	-13	PASS
Band4	1413	1000~20000MHz	19545.27	-30.97	-13	PASS
Band4	1513	0.009~0.15MHz	0.14	-53.13	-43	PASS
Band4	1513	0.15~30MHz	3.03	-42.16	-23	PASS
Band4	1513	30~1000MHz	851.46	-45.19	-13	PASS
Band4	1513	1000~20000MHz	19982.27	-30.52	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.46	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.43	-13	PASS
Band5	4132	30~1000MHz	451.11	-54.64	-13	PASS
Band5	4132	1000~10000MHz	7331.8	-36.69	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.73	-33	PASS
Band5	4183	0.15~30MHz	0.16	-47.04	-13	PASS
Band5	4183	30~1000MHz	987.26	-54.6	-13	PASS
Band5	4183	1000~10000MHz	5425	-36.56	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.01	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.96	-13	PASS
Band5	4233	30~1000MHz	718.6	-54.12	-13	PASS
Band5	4233	1000~10000MHz	5992.3	-36.1	-13	PASS

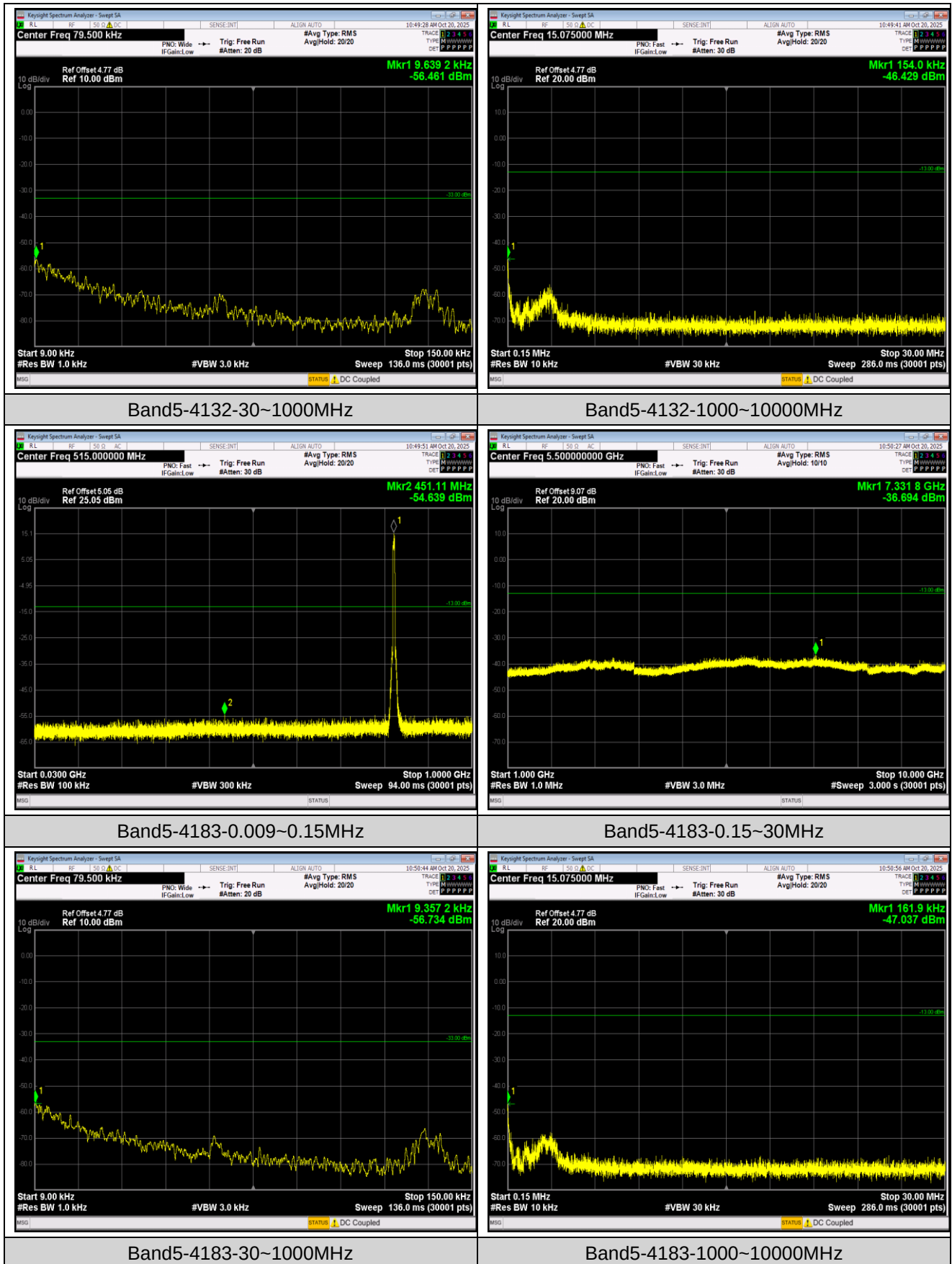
Test Graphs(WCDMA)

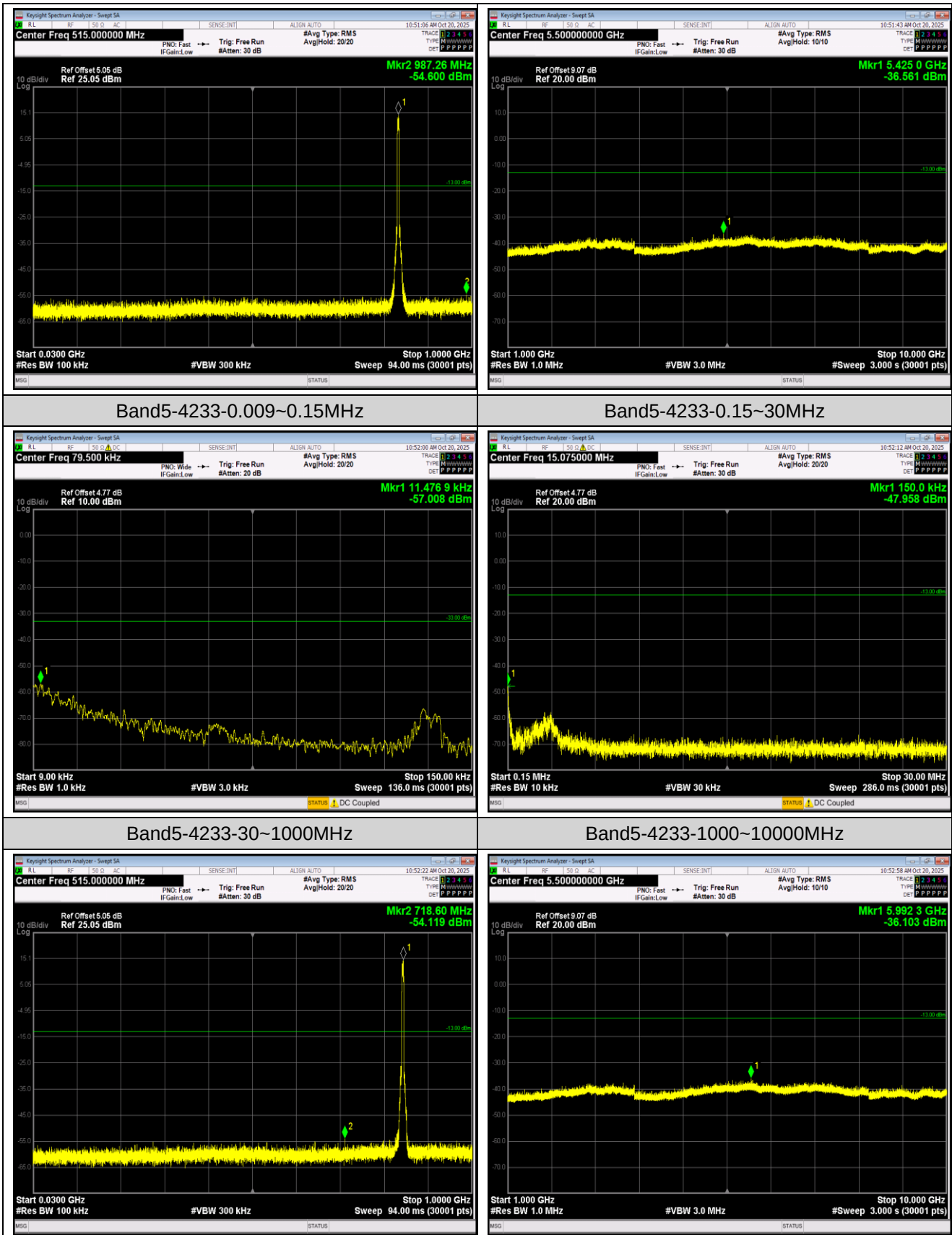














Appendix F: Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-9.23	-0.011033	±2.5	Pass
	-20	-9.58	-0.011451		
	-10	-8.38	-0.010017		
	0	-8.85	-0.010579		
	10	-4.11	-0.004913		
	20	-9.76	-0.011666		
	30	-7.61	-0.009096		
	40	-5.94	-0.007100		
	50	-6.19	-0.007399		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	2.98	-11.38	-0.013603	±2.5	Pass
	3.85	-12.17	-0.014547		
	4.40	-6.79	-0.008116		
Remark: All channel had been tested, but only the worst case data displayed in this report.					



Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-14.86	-0.008577	Within authorized band for BAND IV	Pass
	-20	-15.79	-0.009113		
	-10	-15.19	-0.008767		
	0	-13.78	-0.007953		
	10	-12.72	-0.007342		
	20	-13.73	-0.007925		
	30	-15.26	-0.008808		
	40	-13.67	-0.007890		
	50	-9.01	-0.005200		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	2.98	-12.24	-0.007065	Within authorized band for BAND IV	Pass
	3.85	-12.43	-0.007174		
	4.40	-12.87	-0.007428		
Remark: All channel had been tested, but only the worst case data displayed in this report.					



Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-13.79	-0.007335	Within authorized band for BAND II	Pass
	-20	-8.72	-0.004638		
	-10	-11.01	-0.005856		
	0	-12.37	-0.006580		
	10	-12.80	-0.006809		
	20	-14.03	-0.007463		
	30	-12.71	-0.006761		
	40	-13.35	-0.007101		
	50	-10.55	-0.005612		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	2.98	-12.11	-0.006441	Within authorized band for BAND II	Pass
	3.85	-10.84	-0.005766		
	4.40	-14.41	-0.007665		
Remark: All channel had been tested, but only the worst case data displayed in this report.					



Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4183	PASS	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs

Band2-9400	Band4-1413
Band5-4183	