

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	22.58	20.88	33.01	PASS
Band2	TestMode	9262	22.68	20.98	33.01	PASS
Band2	TestMode	9400	22.80	21.1	33.01	PASS
Band2	Voice	9400	22.79	21.09	33.01	PASS
Band2	TestMode	9538	22.89	21.19	33.01	PASS
Band2	Voice	9538	22.81	21.11	33.01	PASS
Band4	Voice	1312	22.76	21.16	30.00	PASS
Band4	TestMode	1312	22.80	21.2	30.00	PASS
Band4	Voice	1413	22.57	20.97	30.00	PASS
Band4	TestMode	1413	22.65	21.05	30.00	PASS
Band4	TestMode	1513	22.67	21.07	30.00	PASS
Band4	Voice	1513	22.66	21.06	30.00	PASS
Band5	Voice	4132	23.07	17.92	38.45	PASS
Band5	TestMode	4132	23.09	17.94	38.45	PASS
Band5	TestMode	4183	23.27	18.12	38.45	PASS
Band5	Voice	4183	23.26	18.11	38.45	PASS
Band5	Voice	4233	23.19	18.04	38.45	PASS
Band5	TestMode	4233	23.19	18.04	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.73	20.03	33.01	PASS
Band2	9262	2	21.16	19.46	33.01	PASS
Band2	9262	3	21.18	19.48	33.01	PASS
Band2	9262	4	21.18	19.48	33.01	PASS
Band2	9400	1	21.88	20.18	33.01	PASS
Band2	9400	2	21.27	19.57	33.01	PASS
Band2	9400	3	21.35	19.65	33.01	PASS
Band2	9400	4	21.30	19.6	33.01	PASS
Band2	9538	1	21.92	20.22	33.01	PASS
Band2	9538	2	21.34	19.64	33.01	PASS
Band2	9538	3	21.41	19.71	33.01	PASS
Band2	9538	4	21.35	19.65	33.01	PASS

Band4	1312	1	21.89	20.29	30.00	PASS
Band4	1312	2	21.31	19.71	30.00	PASS
Band4	1312	3	21.31	19.71	30.00	PASS
Band4	1312	4	21.28	19.68	30.00	PASS
Band4	1413	1	21.72	20.12	30.00	PASS
Band4	1413	2	21.14	19.54	30.00	PASS
Band4	1413	3	21.12	19.52	30.00	PASS
Band4	1413	4	21.10	19.5	30.00	PASS
Band4	1513	1	21.74	20.14	30.00	PASS
Band4	1513	2	21.18	19.58	30.00	PASS
Band4	1513	3	21.14	19.54	30.00	PASS
Band4	1513	4	21.13	19.53	30.00	PASS
Band5	4132	1	22.21	17.06	38.5	PASS
Band5	4132	2	21.65	16.5	38.5	PASS
Band5	4132	3	21.68	16.53	38.5	PASS
Band5	4132	4	21.65	16.5	38.5	PASS
Band5	4183	1	22.34	17.19	38.5	PASS
Band5	4183	2	21.85	16.7	38.5	PASS
Band5	4183	3	21.86	16.71	38.5	PASS
Band5	4183	4	21.80	16.65	38.5	PASS
Band5	4233	1	22.30	17.15	38.5	PASS
Band5	4233	2	21.80	16.65	38.5	PASS
Band5	4233	3	21.81	16.66	38.5	PASS
Band5	4233	4	21.77	16.62	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.70	18	33.01	PASS
Band2	9262	2	20.19	18.49	33.01	PASS
Band2	9262	3	20.71	19.01	33.01	PASS
Band2	9262	4	19.70	18	33.01	PASS
Band2	9262	5	21.70	20	33.01	PASS
Band2	9400	1	19.78	18.08	33.01	PASS
Band2	9400	2	20.30	18.6	33.01	PASS
Band2	9400	3	20.81	19.11	33.01	PASS
Band2	9400	4	19.83	18.13	33.01	PASS
Band2	9400	5	21.80	20.1	33.01	PASS
Band2	9538	1	19.92	18.22	33.01	PASS
Band2	9538	2	20.38	18.68	33.01	PASS
Band2	9538	3	20.89	19.19	33.01	PASS

Band2	9538	4	19.87	18.17	33.01	PASS
Band2	9538	5	21.91	20.21	33.01	PASS
Band4	1312	1	19.82	18.22	30.00	PASS
Band4	1312	2	20.32	18.72	30.00	PASS
Band4	1312	3	20.84	19.24	30.00	PASS
Band4	1312	4	19.85	18.25	30.00	PASS
Band4	1312	5	21.87	20.27	30.00	PASS
Band4	1413	1	19.66	18.06	30.00	PASS
Band4	1413	2	20.15	18.55	30.00	PASS
Band4	1413	3	20.66	19.06	30.00	PASS
Band4	1413	4	19.70	18.1	30.00	PASS
Band4	1413	5	21.67	20.07	30.00	PASS
Band4	1513	1	19.66	18.06	30.00	PASS
Band4	1513	2	20.21	18.61	30.00	PASS
Band4	1513	3	20.67	19.07	30.00	PASS
Band4	1513	4	19.75	18.15	30.00	PASS
Band4	1513	5	21.67	20.07	30.00	PASS
Band5	4132	1	20.18	15.03	38.5	PASS
Band5	4132	2	20.67	15.52	38.5	PASS
Band5	4132	3	21.19	16.04	38.5	PASS
Band5	4132	4	20.21	15.06	38.5	PASS
Band5	4132	5	22.19	17.04	38.5	PASS
Band5	4183	1	20.36	15.21	38.5	PASS
Band5	4183	2	20.85	15.7	38.5	PASS
Band5	4183	3	21.39	16.24	38.5	PASS
Band5	4183	4	20.37	15.22	38.5	PASS
Band5	4183	5	22.32	17.17	38.5	PASS
Band5	4233	1	20.32	15.17	38.5	PASS
Band5	4233	2	20.82	15.67	38.5	PASS
Band5	4233	3	21.32	16.17	38.5	PASS
Band5	4233	4	20.34	15.19	38.5	PASS
Band5	4233	5	22.27	17.12	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & 4)
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

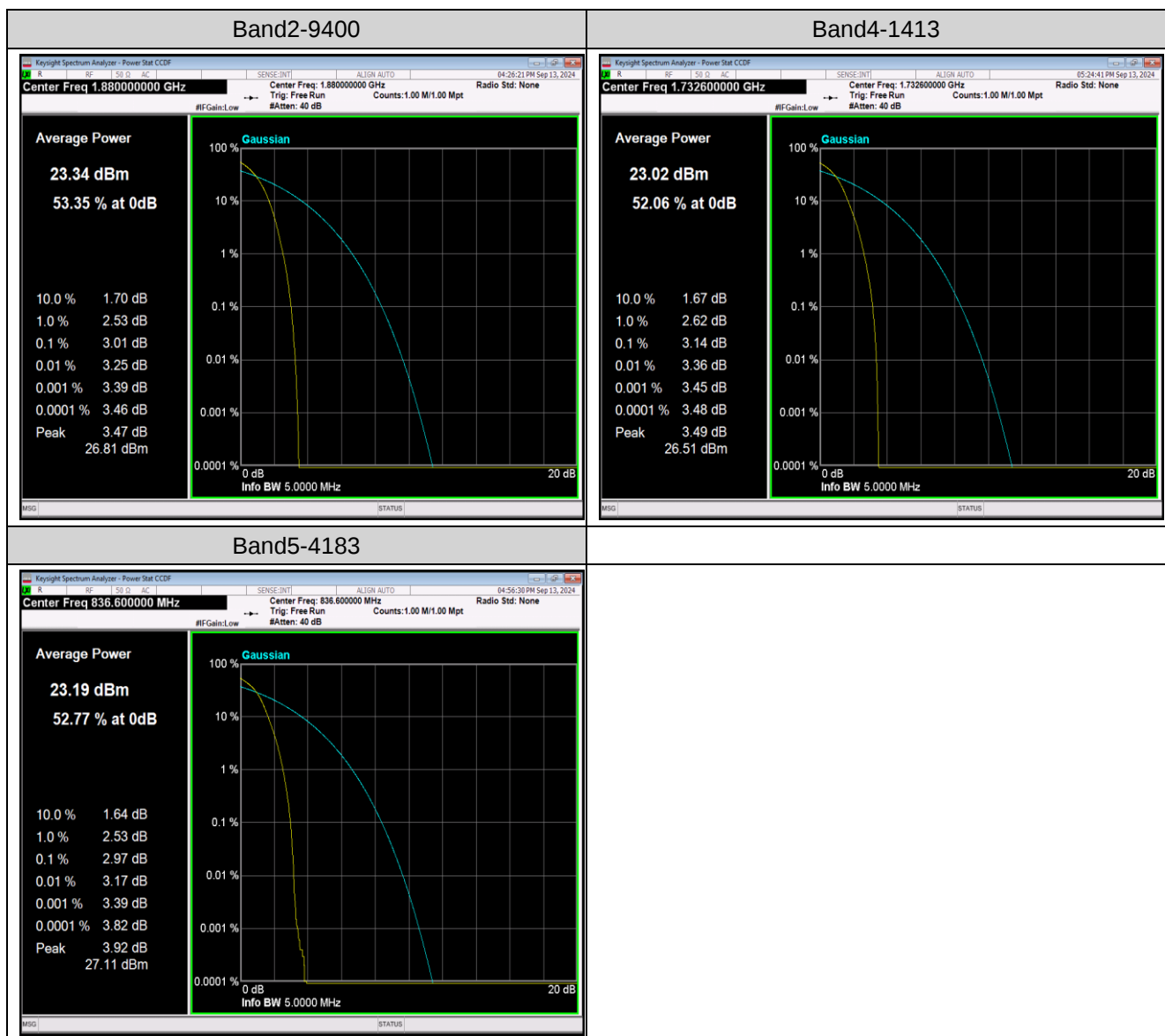
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.01	13	PASS
Band4	1413	3.14	13	PASS
Band5	4183	2.97	13	PASS

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

Test Graphs(WCDMA)

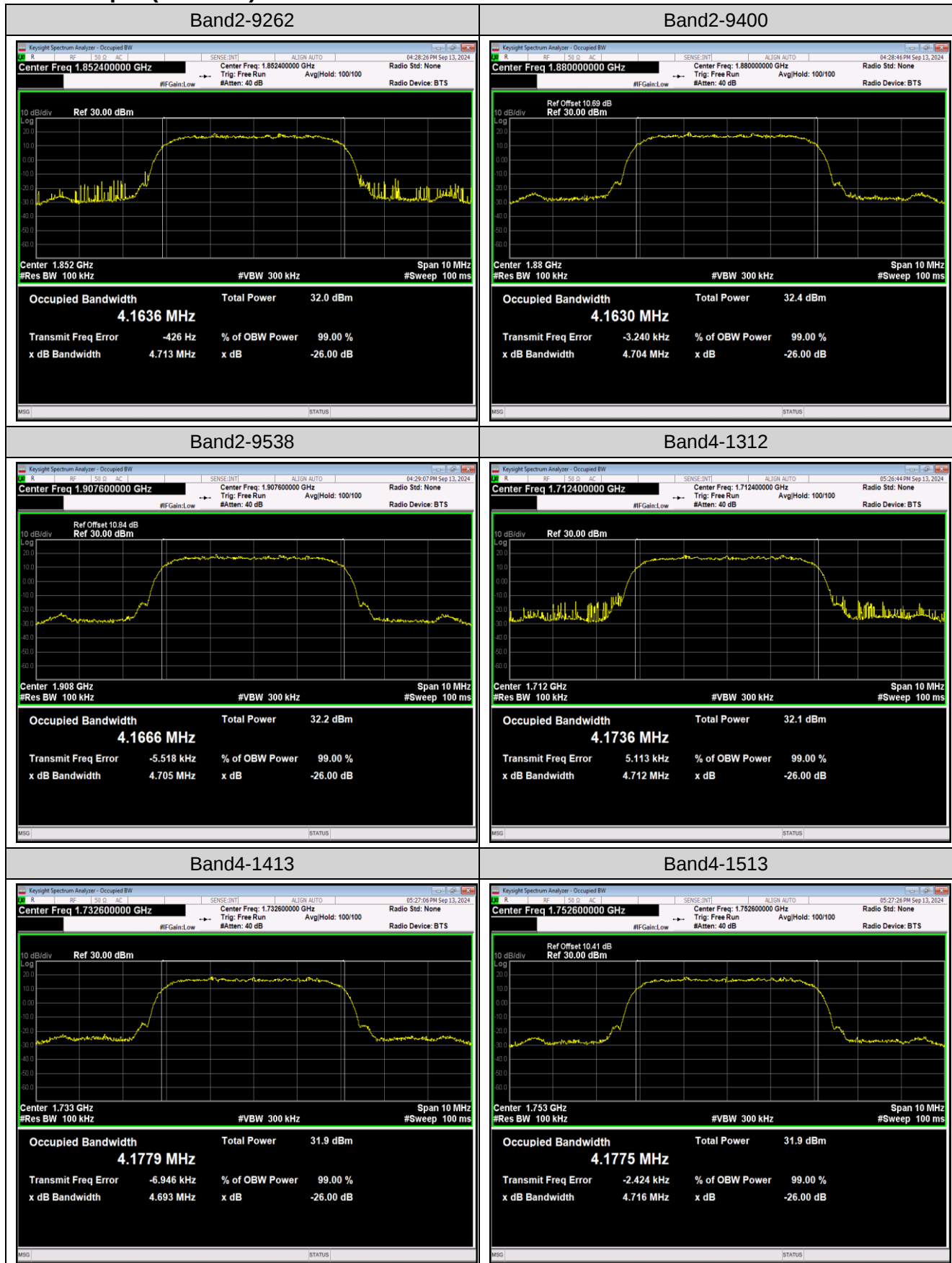


AppendixC:26dB Bandwidth andOccupied Bandwidth

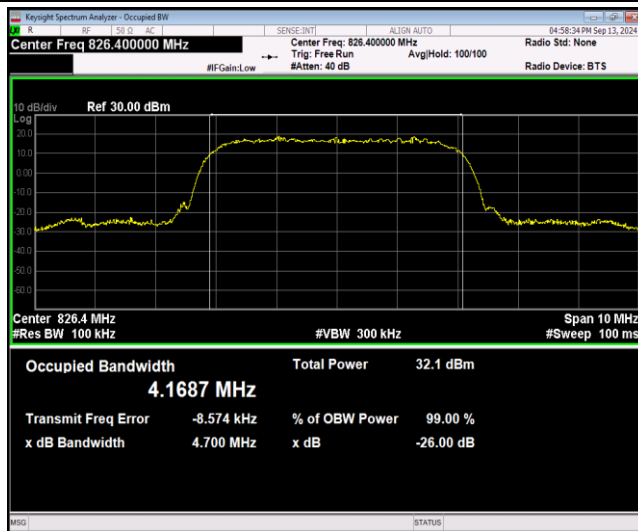
Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1636	4.713	---	PASS
Band2	9400	4.1630	4.704	---	PASS
Band2	9538	4.1666	4.705	---	PASS
Band4	1312	4.1736	4.712	---	PASS
Band4	1413	4.1779	4.693	---	PASS
Band4	1513	4.1775	4.716	---	PASS
Band5	4132	4.1687	4.700	---	PASS
Band5	4183	4.1705	4.700	---	PASS
Band5	4233	4.1716	4.706	---	PASS

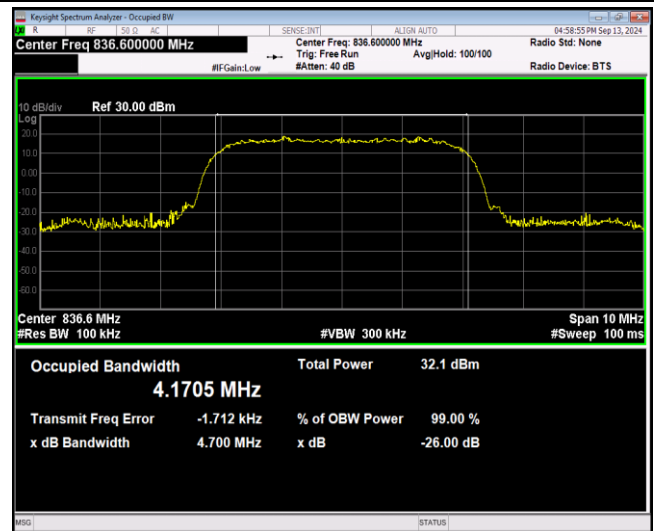
Test Graphs(WCDMA)



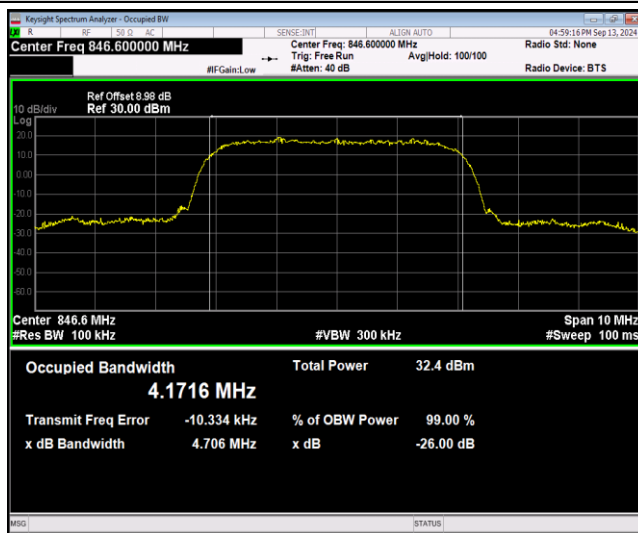
Band5-4132



Band5-4183



Band5-4233

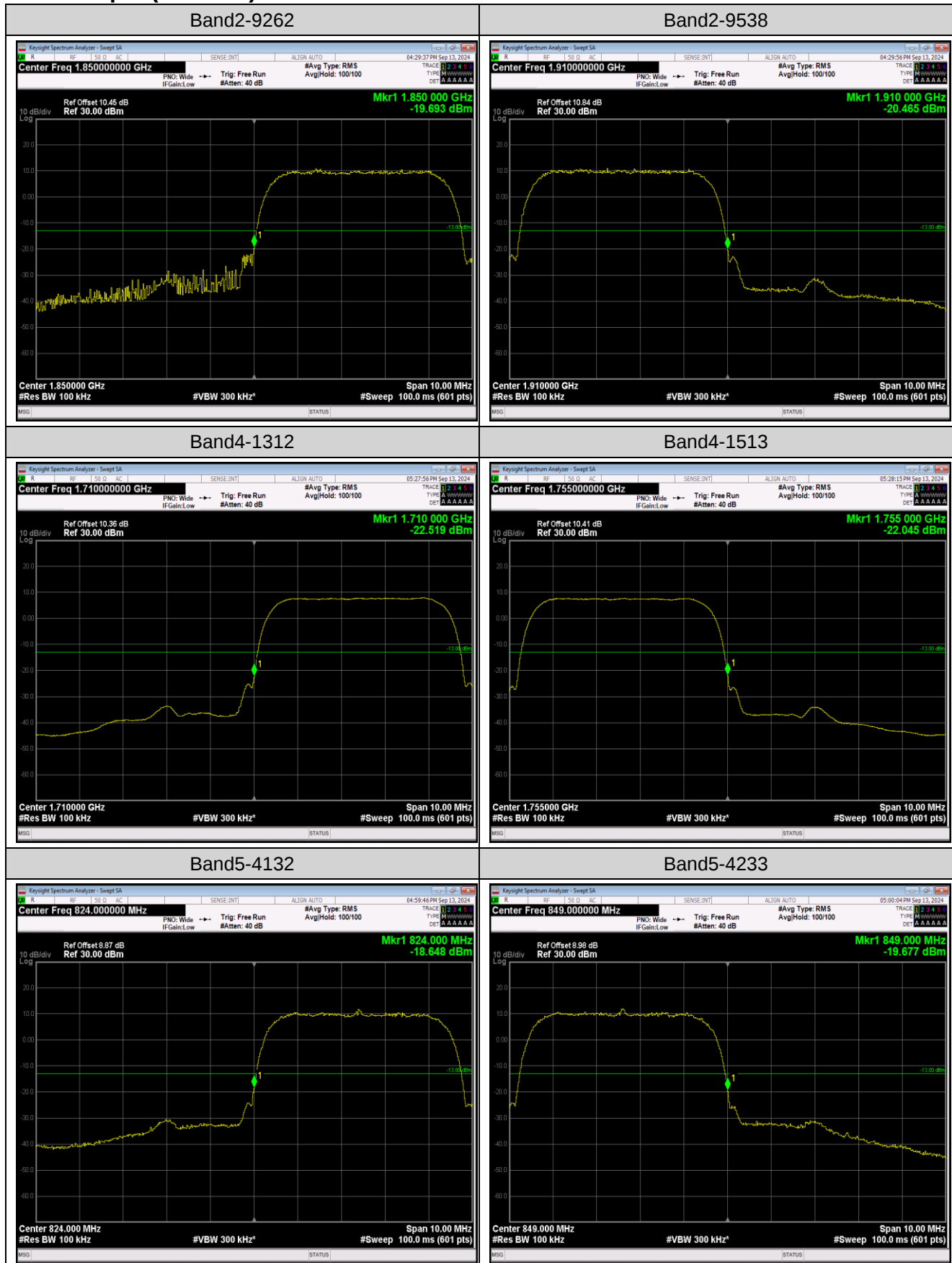


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.69	-13	PASS
Band2	9538	1910.00	-20.46	-13	PASS
Band4	1312	1710.00	-22.52	-13	PASS
Band4	1513	1755.00	-22.04	-13	PASS
Band5	4132	824.00	-18.65	-13	PASS
Band5	4233	849.00	-19.68	-13	PASS

Test Graphs(WCDMA)



JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

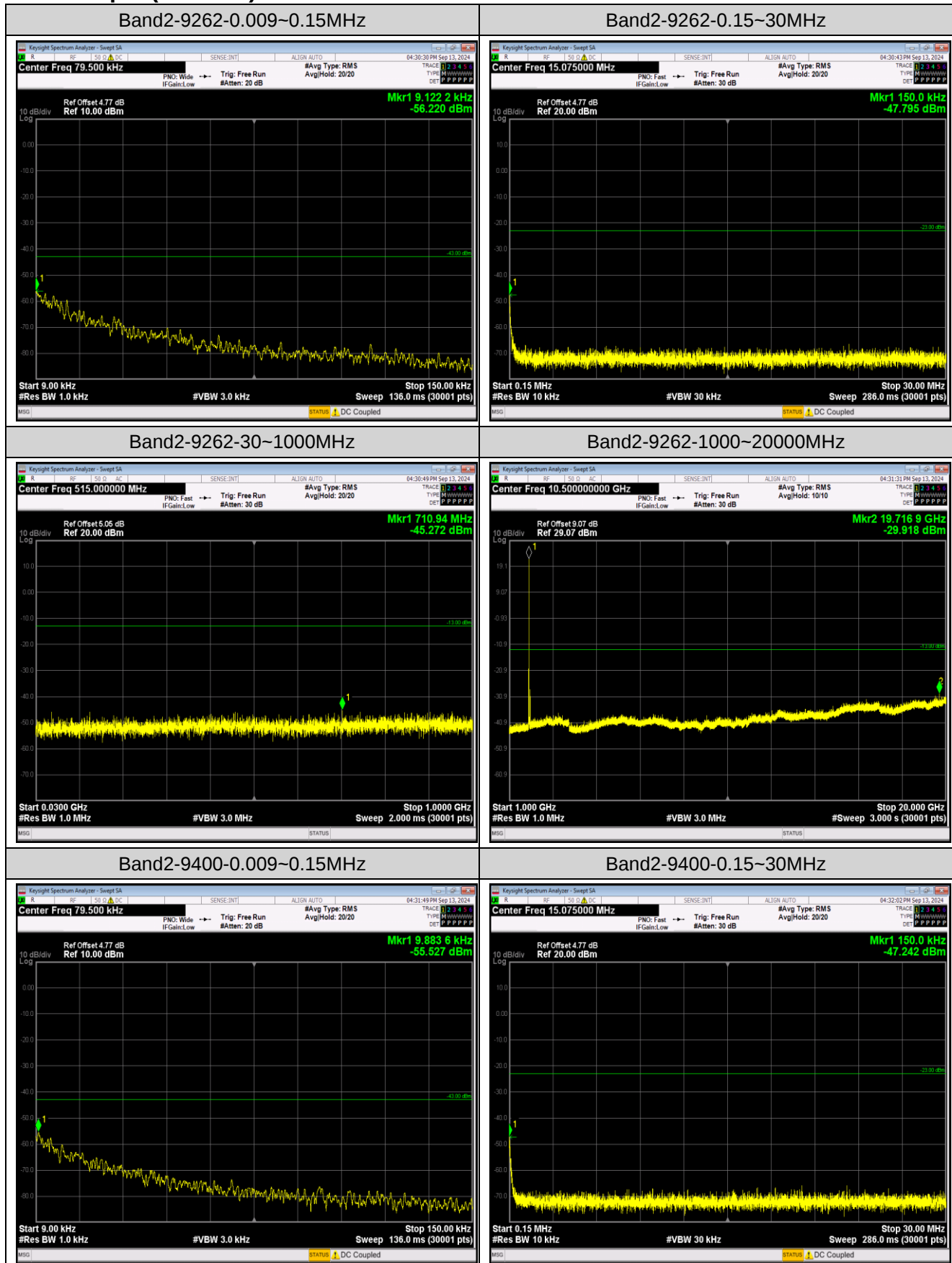
Project No.: JYTSZR2409027

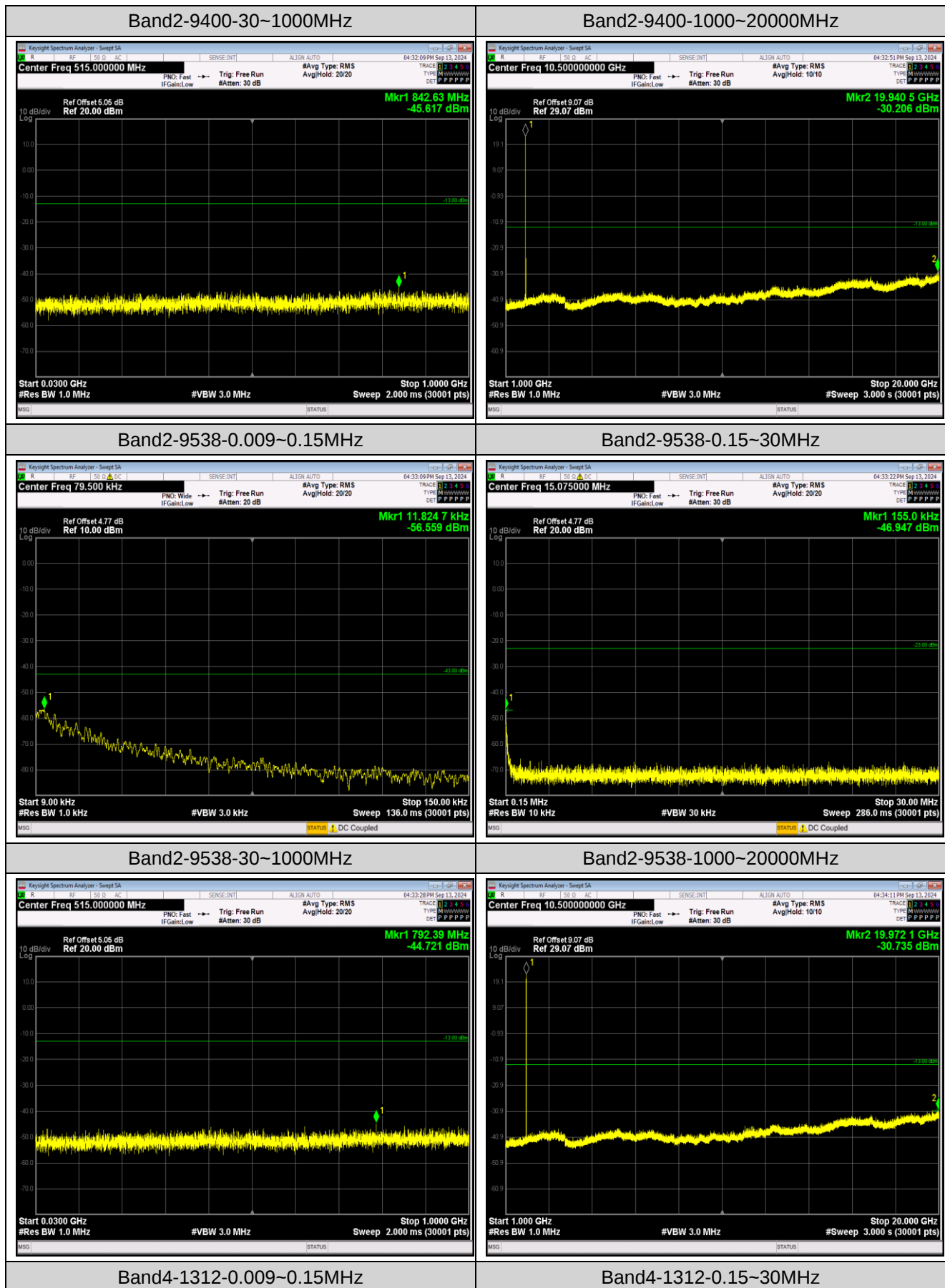
AppendixE:Conducted SpuriousEmission

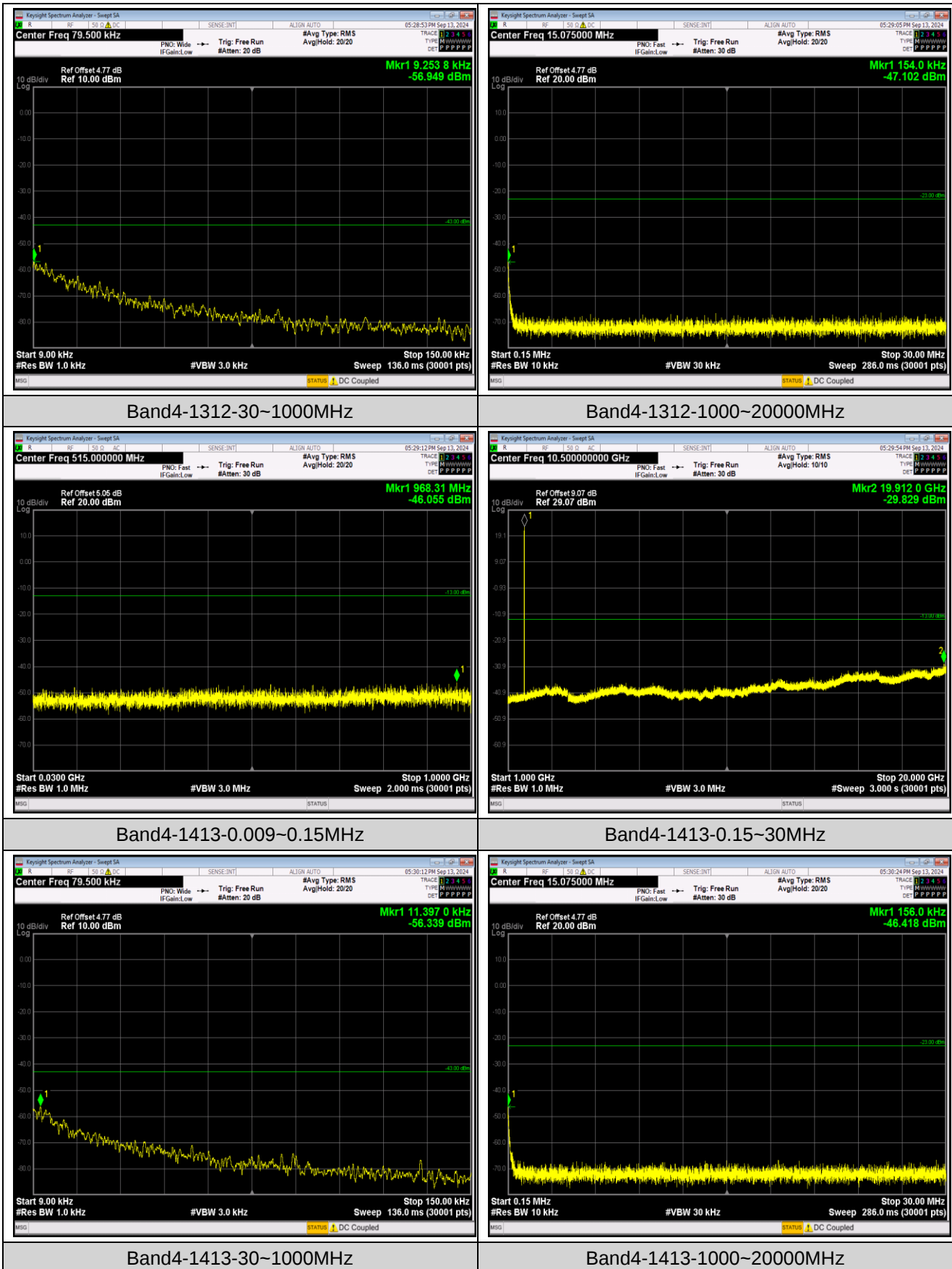
Test Result(WCDMA)

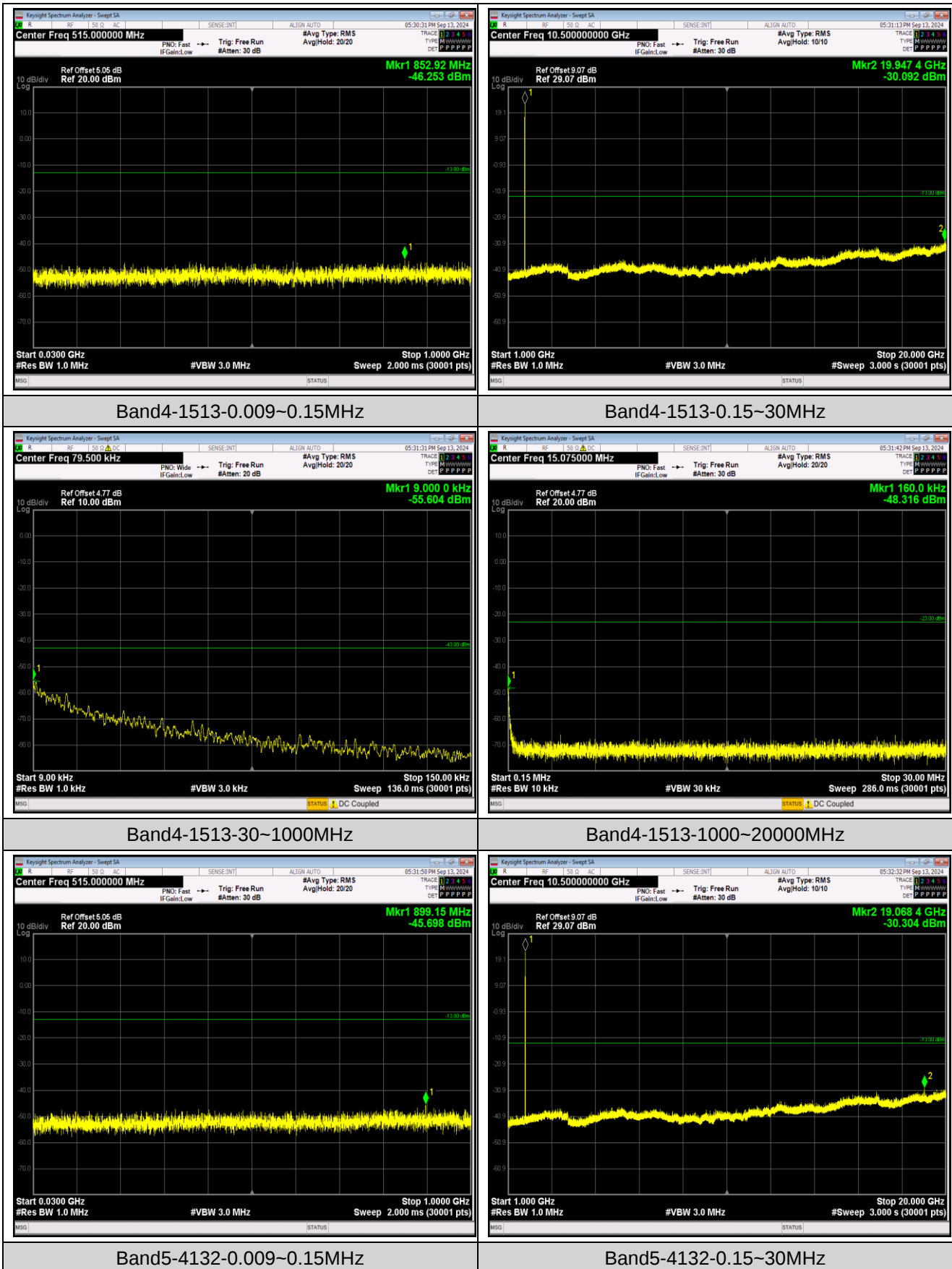
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-56.22	-43	PASS
Band2	9262	0.15~30MHz	0.15	-47.8	-23	PASS
Band2	9262	30~1000MHz	710.94	-45.27	-13	PASS
Band2	9262	1000~20000MHz	19716.9	-29.92	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.53	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.24	-23	PASS
Band2	9400	30~1000MHz	842.63	-45.62	-13	PASS
Band2	9400	1000~20000MHz	19940.47	-30.21	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.56	-43	PASS
Band2	9538	0.15~30MHz	0.15	-46.95	-23	PASS
Band2	9538	30~1000MHz	792.39	-44.72	-13	PASS
Band2	9538	1000~20000MHz	19972.13	-30.74	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.95	-43	PASS
Band4	1312	0.15~30MHz	0.15	-47.1	-23	PASS
Band4	1312	30~1000MHz	968.31	-46.06	-13	PASS
Band4	1312	1000~20000MHz	19911.97	-29.83	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.34	-43	PASS
Band4	1413	0.15~30MHz	0.16	-46.42	-23	PASS
Band4	1413	30~1000MHz	852.92	-46.25	-13	PASS
Band4	1413	1000~20000MHz	19947.43	-30.09	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.6	-43	PASS
Band4	1513	0.15~30MHz	0.16	-48.32	-23	PASS
Band4	1513	30~1000MHz	899.15	-45.7	-13	PASS
Band4	1513	1000~20000MHz	19068.37	-30.3	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.17	-33	PASS
Band5	4132	0.15~30MHz	0.16	-47.89	-13	PASS
Band5	4132	30~1000MHz	946.71	-54.77	-13	PASS
Band5	4132	1000~10000MHz	5940.1	-37.06	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.3	-33	PASS
Band5	4183	0.15~30MHz	0.15	-47.49	-13	PASS
Band5	4183	30~1000MHz	701.76	-55.12	-13	PASS
Band5	4183	1000~10000MHz	6046.3	-36.4	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.12	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.83	-13	PASS
Band5	4233	30~1000MHz	420.39	-55.18	-13	PASS
Band5	4233	1000~10000MHz	6009.1	-37.23	-13	PASS

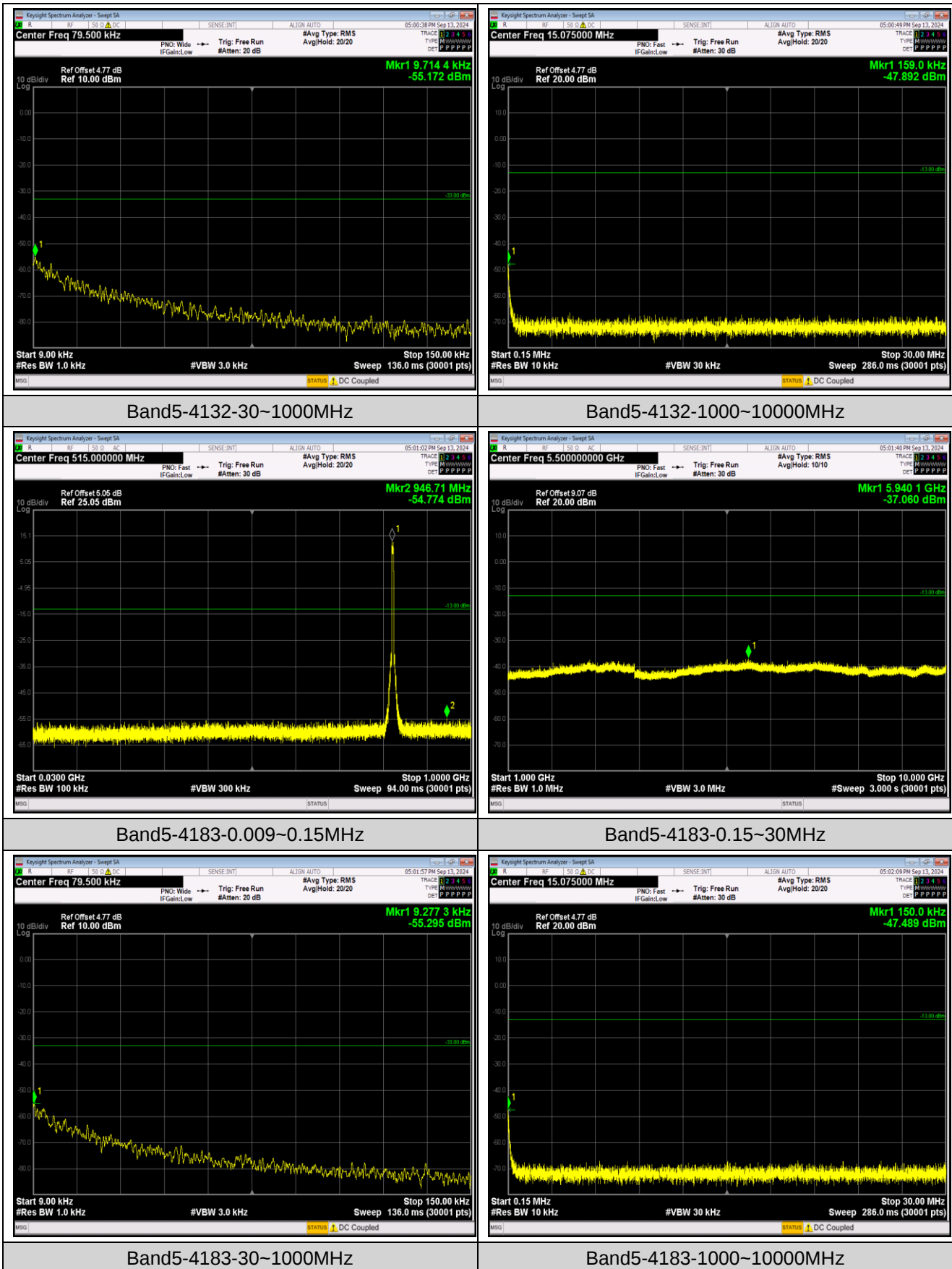
Test Graphs(WCDMA)

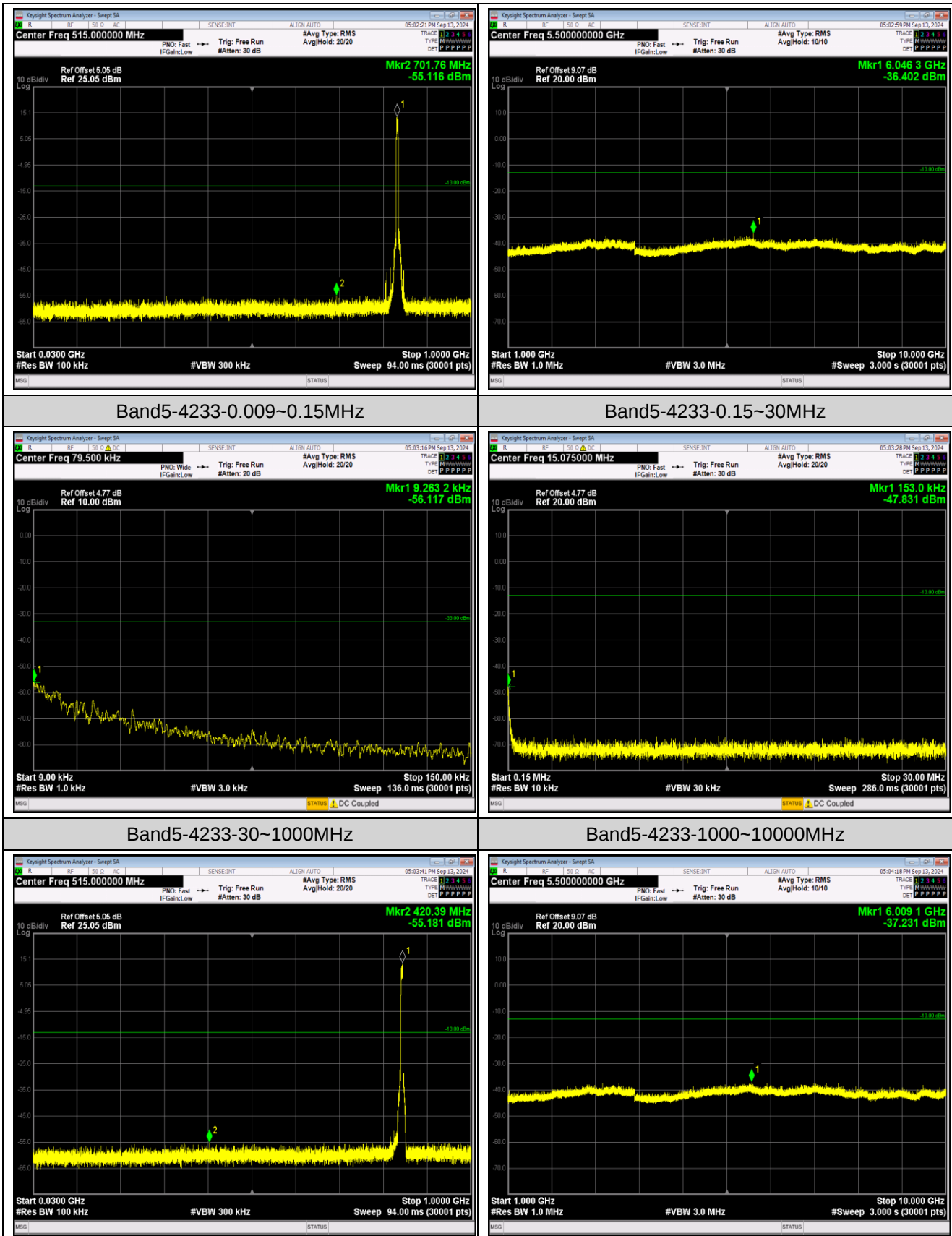












AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-12.39	-0.014810	±2.5	Pass
	-20	-7.43	-0.008881		
	-10	-11.97	-0.014308		
	0	-6.91	-0.008260		
	10	-12.21	-0.014595		
	20	-9.38	-0.011212		
	30	-13.81	-0.016507		
	40	-9.02	-0.010782		
	50	-12.70	-0.015180		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-10.24	-0.012240	±2.5	Pass
	3.87	-4.52	-0.005403		
	4.45	-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		
3.87	-30	-9.16	-0.005287	Within authorized band for BAND IV	Pass
	-20	-14.38	-0.008300		
	-10	-12.70	-0.007330		
	0	-10.91	-0.006297		
	10	-11.79	-0.006805		
	20	-9.73	-0.005616		
	30	-11.60	-0.006695		
	40	-8.75	-0.005050		
	50	-10.16	-0.005864		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-11.01	-0.006355	Within authorized band for BAND IV	Pass
	3.87	-12.08	-0.006972		
	4.45	-8.13	-0.004692		
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		
3.87	-30	-7.60	-0.004043	Within authorized band for BAND II	Pass
	-20	-5.72	-0.003043		
	-10	-8.49	-0.004516		
	0	-7.90	-0.004202		
	10	-9.05	-0.004814		
	20	-6.33	-0.003367		
	30	-13.45	-0.007154		
	40	-13.51	-0.007186		
	50	-6.90	-0.003670		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-10.14	-0.005394	Within authorized band for BAND II	Pass
	3.87	-6.97	-0.003707		
	4.45	-6.07	-0.003229		
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

