

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	28.05	28.87	33.01	PASS
Band2	TestMode	9262	28.14	28.96	33.01	PASS
Band2	TestMode	9400	28.11	28.93	33.01	PASS
Band2	Voice	9400	28.00	28.82	33.01	PASS
Band2	TestMode	9538	26.82	27.64	33.01	PASS
Band2	Voice	9538	26.71	27.53	33.01	PASS
Band4	Voice	1312	22.62	23.54	30.00	PASS
Band4	TestMode	1312	22.44	23.36	30.00	PASS
Band4	Voice	1413	22.32	23.24	30.00	PASS
Band4	TestMode	1413	22.40	23.32	30.00	PASS
Band4	TestMode	1513	22.21	23.13	30.00	PASS
Band4	Voice	1513	22.36	23.28	30.00	PASS
Band5	Voice	4132	22.97	20.11	38.45	PASS
Band5	TestMode	4132	23.03	20.17	38.45	PASS
Band5	TestMode	4183	23.11	20.25	38.45	PASS
Band5	Voice	4183	23.13	20.27	38.45	PASS
Band5	Voice	4233	22.95	20.09	38.45	PASS
Band5	TestMode	4233	23.07	20.21	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	27.50	28.32	33.01	PASS
Band2	9262	2	26.98	27.80	33.01	PASS
Band2	9262	3	26.78	27.60	33.01	PASS
Band2	9262	4	27.06	27.88	33.01	PASS
Band2	9400	1	27.28	28.10	33.01	PASS
Band2	9400	2	26.69	27.51	33.01	PASS
Band2	9400	3	26.47	27.29	33.01	PASS
Band2	9400	4	26.80	27.62	33.01	PASS
Band2	9538	1	25.90	26.72	33.01	PASS
Band2	9538	2	25.33	26.15	33.01	PASS
Band2	9538	3	25.12	25.94	33.01	PASS
Band2	9538	4	25.98	26.80	33.01	PASS

Band4	1312	1	21.53	22.45	30.00	PASS
Band4	1312	2	20.97	21.89	30.00	PASS
Band4	1312	3	20.96	21.88	30.00	PASS
Band4	1312	4	20.93	21.85	30.00	PASS
Band4	1413	1	21.48	22.40	30.00	PASS
Band4	1413	2	20.89	21.81	30.00	PASS
Band4	1413	3	20.86	21.78	30.00	PASS
Band4	1413	4	20.92	21.84	30.00	PASS
Band4	1513	1	21.47	22.39	30.00	PASS
Band4	1513	2	20.82	21.74	30.00	PASS
Band4	1513	3	20.88	21.80	30.00	PASS
Band4	1513	4	20.92	21.84	30.00	PASS
Band5	4132	1	22.08	19.22	38.5	PASS
Band5	4132	2	21.57	18.71	38.5	PASS
Band5	4132	3	21.58	18.72	38.5	PASS
Band5	4132	4	21.60	18.74	38.5	PASS
Band5	4183	1	22.13	19.27	38.5	PASS
Band5	4183	2	21.61	18.75	38.5	PASS
Band5	4183	3	21.64	18.78	38.5	PASS
Band5	4183	4	21.60	18.74	38.5	PASS
Band5	4233	1	22.05	19.19	38.5	PASS
Band5	4233	2	21.55	18.69	38.5	PASS
Band5	4233	3	21.56	18.70	38.5	PASS
Band5	4233	4	21.58	18.72	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	26.51	27.33	33.01	PASS
Band2	9262	2	26.99	27.81	33.01	PASS
Band2	9262	3	27.47	28.29	33.01	PASS
Band2	9262	4	26.48	27.30	33.01	PASS
Band2	9262	5	27.76	28.58	33.01	PASS
Band2	9400	1	26.89	27.71	33.01	PASS
Band2	9400	2	26.82	27.64	33.01	PASS
Band2	9400	3	27.26	28.08	33.01	PASS
Band2	9400	4	26.34	27.16	33.01	PASS
Band2	9400	5	27.61	28.43	33.01	PASS
Band2	9538	1	26.47	27.29	33.01	PASS
Band2	9538	2	25.48	26.30	33.01	PASS
Band2	9538	3	25.92	26.74	33.01	PASS

Band2	9538	4	24.98	25.80	33.01	PASS
Band2	9538	5	26.30	27.33	33.01	PASS
Band4	1312	1	19.44	20.36	30.00	PASS
Band4	1312	2	19.96	20.88	30.00	PASS
Band4	1312	3	20.47	21.39	30.00	PASS
Band4	1312	4	19.55	20.47	30.00	PASS
Band4	1312	5	21.47	22.39	30.00	PASS
Band4	1413	1	19.36	20.28	30.00	PASS
Band4	1413	2	19.91	20.83	30.00	PASS
Band4	1413	3	20.40	21.32	30.00	PASS
Band4	1413	4	19.44	20.36	30.00	PASS
Band4	1413	5	21.42	22.34	30.00	PASS
Band4	1513	1	19.35	20.27	30.00	PASS
Band4	1513	2	19.91	20.83	30.00	PASS
Band4	1513	3	20.42	21.34	30.00	PASS
Band4	1513	4	19.43	20.35	30.00	PASS
Band4	1513	5	21.43	22.35	30.00	PASS
Band5	4132	1	20.08	17.22	38.5	PASS
Band5	4132	2	20.50	17.64	38.5	PASS
Band5	4132	3	21.01	18.15	38.5	PASS
Band5	4132	4	20.10	17.24	38.5	PASS
Band5	4132	5	22.11	19.25	38.5	PASS
Band5	4183	1	20.15	17.29	38.5	PASS
Band5	4183	2	20.59	17.73	38.5	PASS
Band5	4183	3	21.10	18.24	38.5	PASS
Band5	4183	4	20.18	17.32	38.5	PASS
Band5	4183	5	22.14	19.28	38.5	PASS
Band5	4233	1	20.07	17.21	38.5	PASS
Band5	4233	2	20.49	17.63	38.5	PASS
Band5	4233	3	21.00	18.14	38.5	PASS
Band5	4233	4	20.07	17.21	38.5	PASS
Band5	4233	5	22.06	19.20	38.5	PASS

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

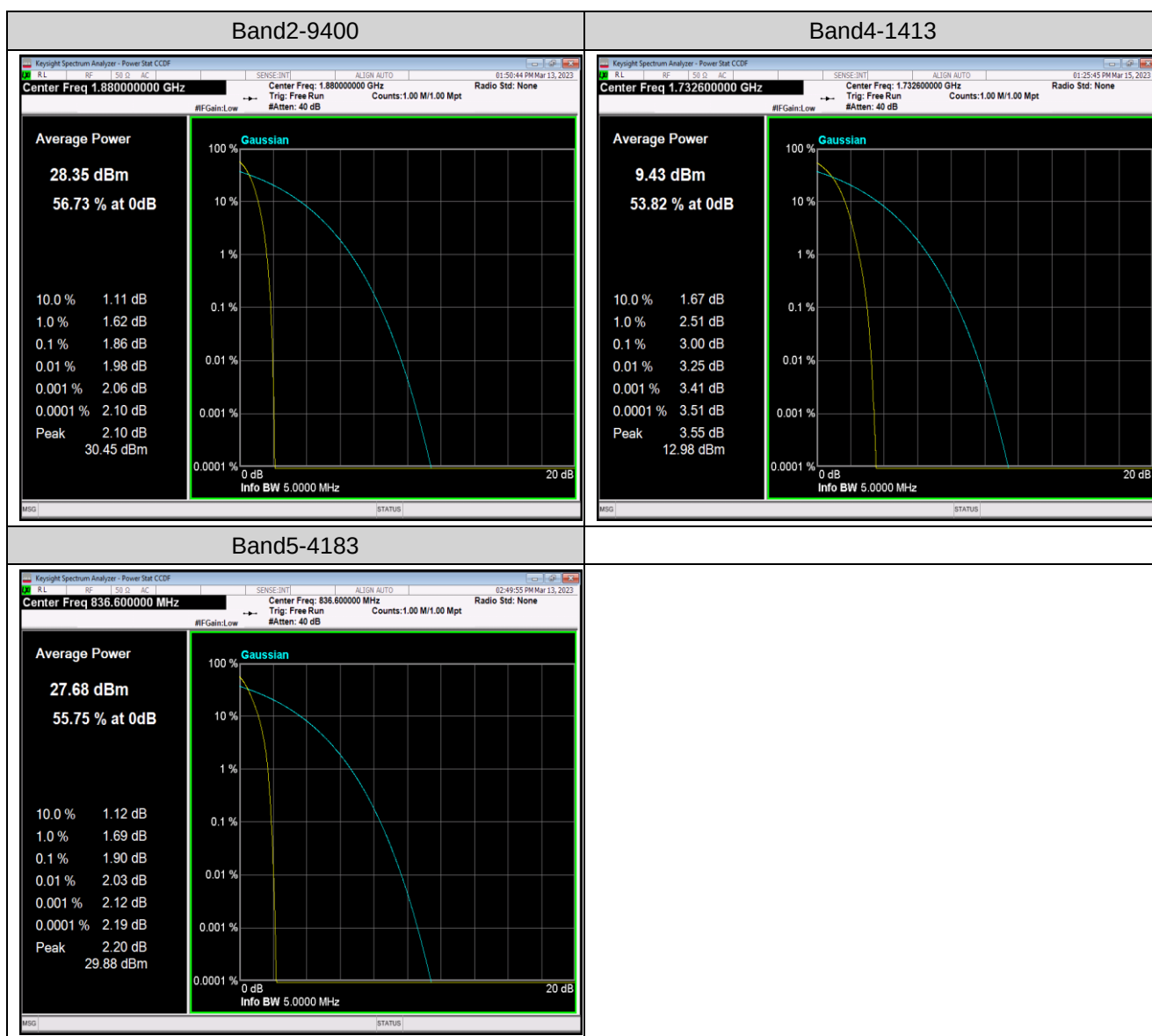
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	1.86	13	PASS
Band4	1413	3	13	PASS
Band5	4183	1.9	13	PASS

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

Test Graphs(WCDMA)

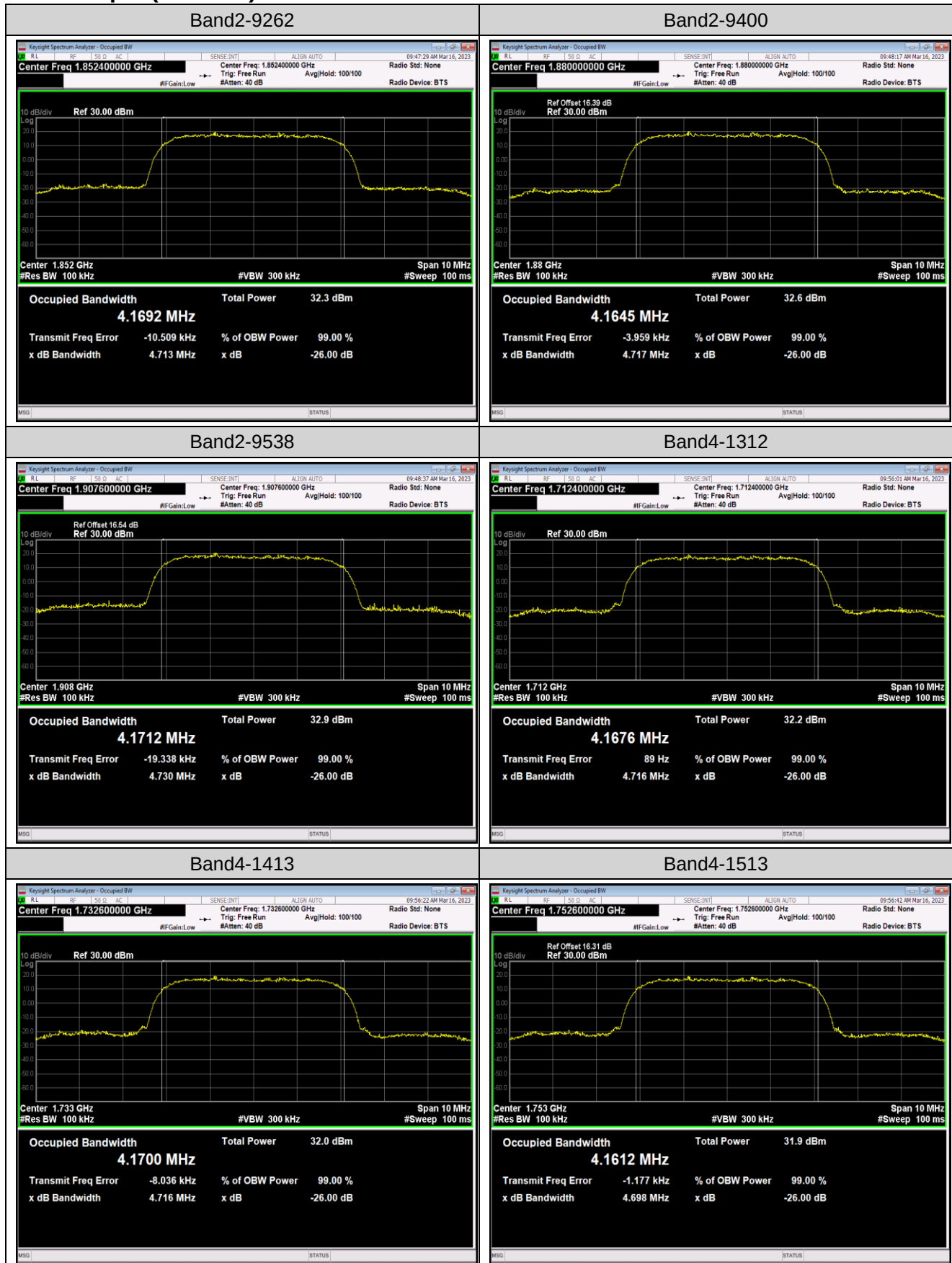


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1692	4.713	---	PASS
Band2	9400	4.1645	4.717	---	PASS
Band2	9538	4.1712	4.730	---	PASS
Band4	1312	4.1676	4.716	---	PASS
Band4	1413	4.1700	4.716	---	PASS
Band4	1513	4.1612	4.698	---	PASS
Band5	4132	4.1634	4.703	---	PASS
Band5	4183	4.1692	4.748	---	PASS
Band5	4233	4.1543	4.711	---	PASS

Test Graphs(WCDMA)



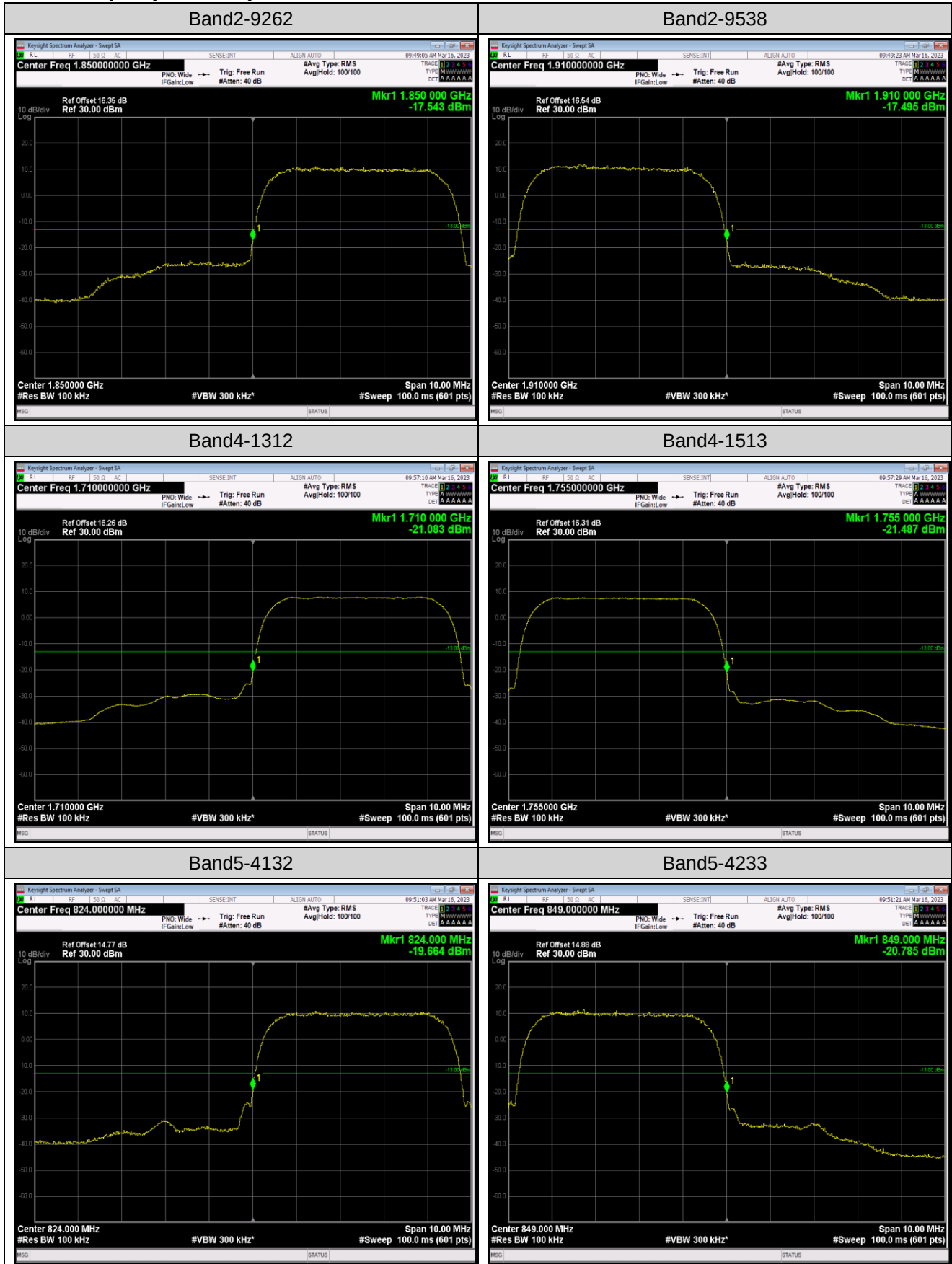


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-17.54	-13	PASS
Band2	9538	1910.00	-17.49	-13	PASS
Band4	1312	1710.00	-21.08	-13	PASS
Band4	1513	1755.00	-21.49	-13	PASS
Band5	4132	824.00	-19.66	-13	PASS
Band5	4233	849.00	-20.78	-13	PASS

Test Graphs(WCDMA)

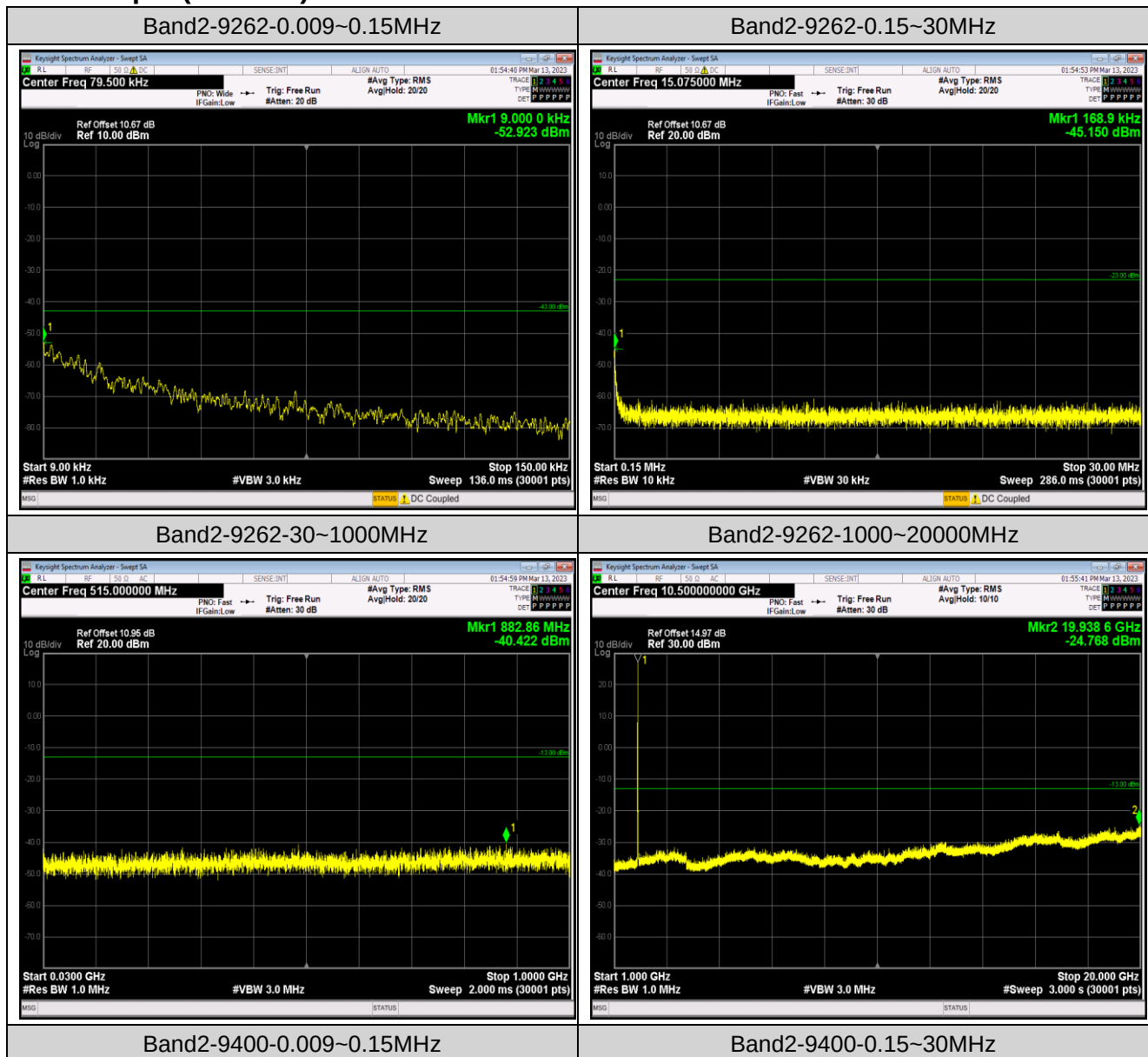


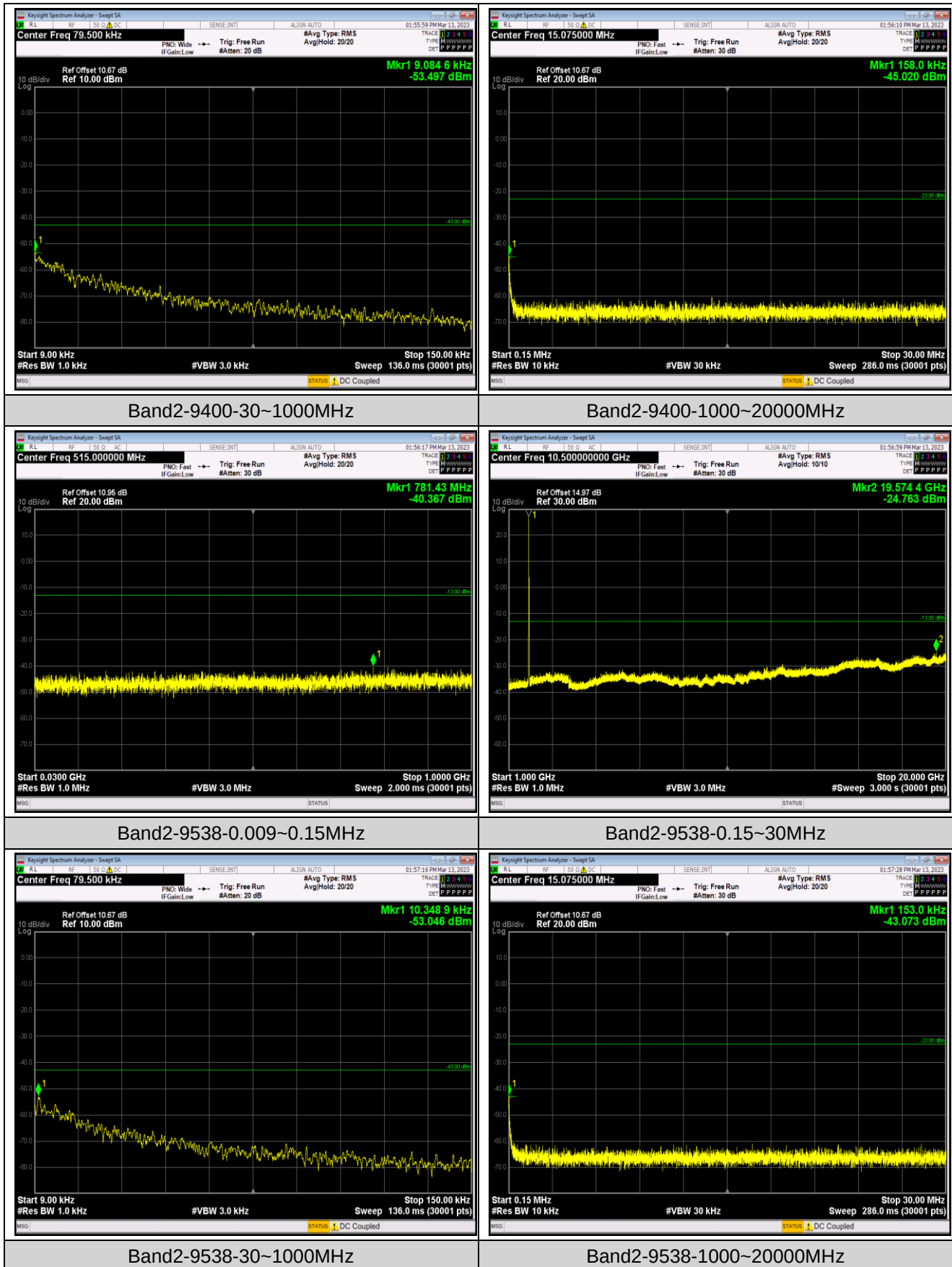
AppendixE:Conducted SpuriousEmission

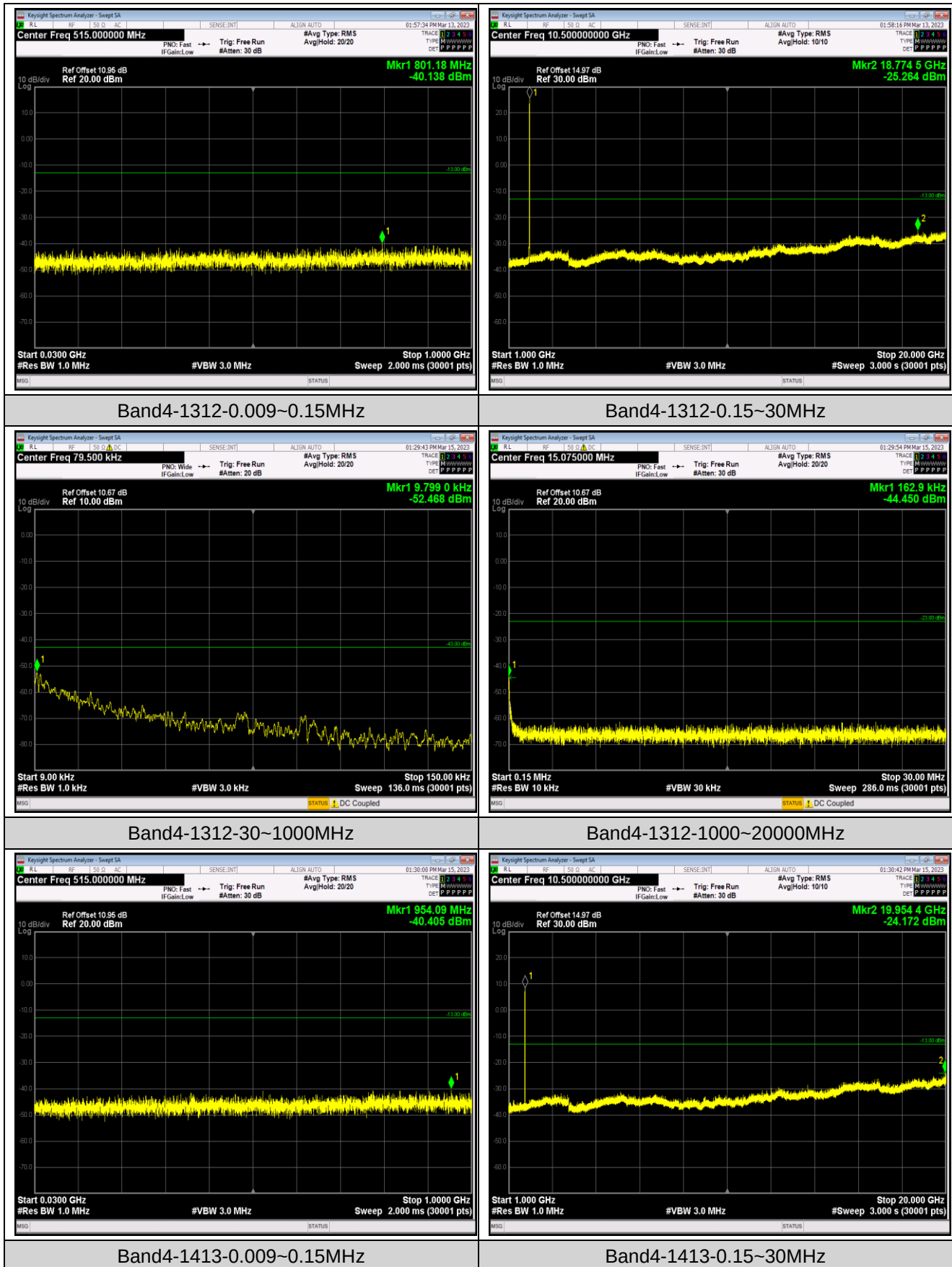
Test Result(WCDMA)

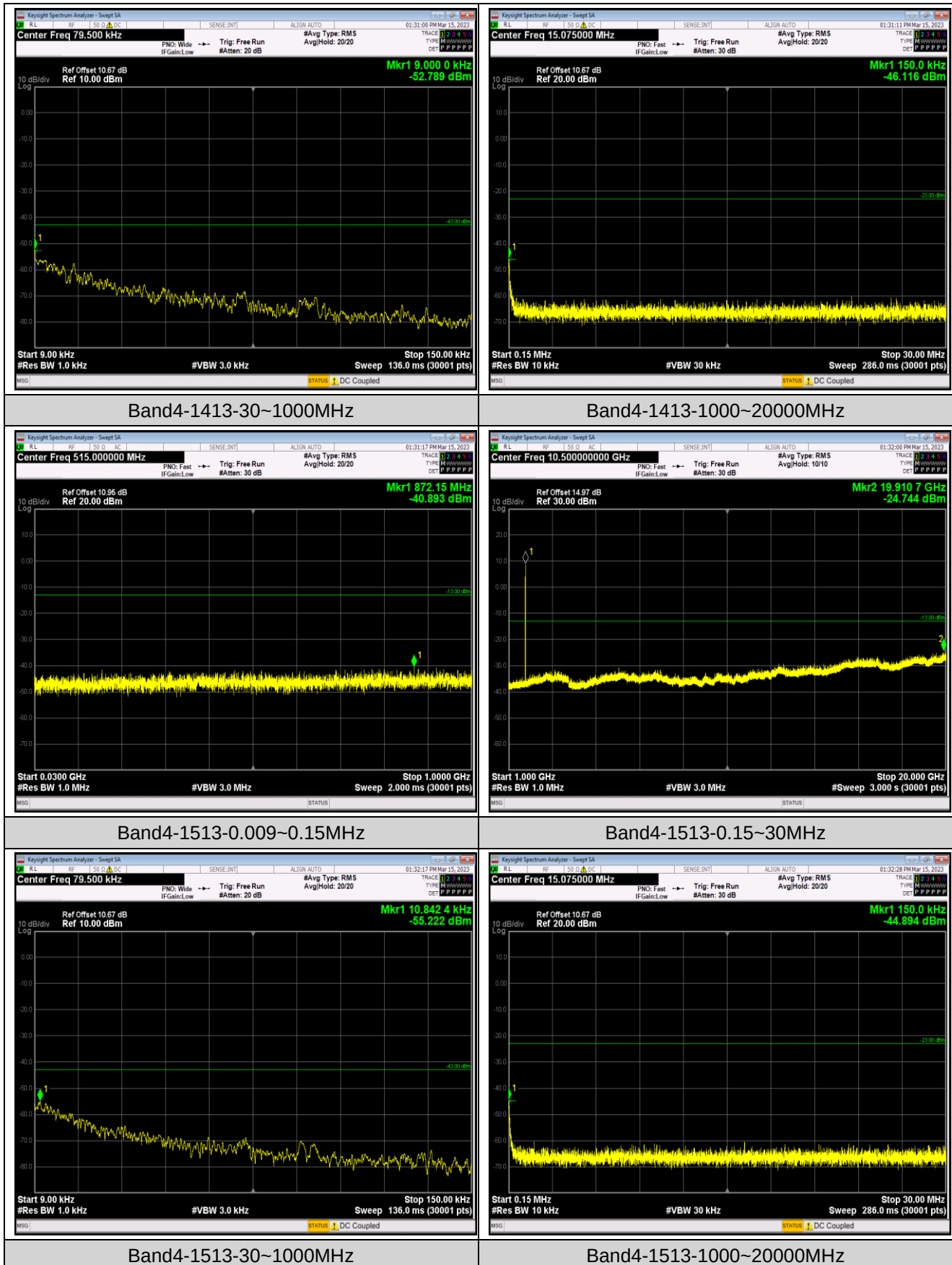
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-52.92	-43	PASS
Band2	9262	0.15~30MHz	0.17	-45.15	-23	PASS
Band2	9262	30~1000MHz	882.86	-40.42	-13	PASS
Band2	9262	1000~20000MHz	19938.57	-24.77	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-53.5	-43	PASS
Band2	9400	0.15~30MHz	0.16	-45.02	-23	PASS
Band2	9400	30~1000MHz	781.43	-40.37	-13	PASS
Band2	9400	1000~20000MHz	19574.4	-24.76	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-53.05	-43	PASS
Band2	9538	0.15~30MHz	0.15	-43.07	-23	PASS
Band2	9538	30~1000MHz	801.18	-40.14	-13	PASS
Band2	9538	1000~20000MHz	18774.5	-25.26	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-52.47	-43	PASS
Band4	1312	0.15~30MHz	0.16	-44.45	-23	PASS
Band4	1312	30~1000MHz	954.09	-40.41	-13	PASS
Band4	1312	1000~20000MHz	19954.4	-24.17	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-52.79	-43	PASS
Band4	1413	0.15~30MHz	0.15	-46.12	-23	PASS
Band4	1413	30~1000MHz	872.15	-40.89	-13	PASS
Band4	1413	1000~20000MHz	19910.7	-24.74	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.22	-43	PASS
Band4	1513	0.15~30MHz	0.15	-44.89	-23	PASS
Band4	1513	30~1000MHz	905.97	-40.47	-13	PASS
Band4	1513	1000~20000MHz	19890.43	-24.41	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.13	-33	PASS
Band5	4132	0.15~30MHz	0.15	-44.1	-13	PASS
Band5	4132	30~1000MHz	692.93	-49.27	-13	PASS
Band5	4132	1000~10000MHz	7079.8	-31.45	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-53.77	-33	PASS
Band5	4183	0.15~30MHz	0.16	-43.38	-13	PASS
Band5	4183	30~1000MHz	532.82	-49.76	-13	PASS
Band5	4183	1000~10000MHz	5897.8	-30.63	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.19	-33	PASS
Band5	4233	0.15~30MHz	0.16	-44.36	-13	PASS
Band5	4233	30~1000MHz	740.1	-50.37	-13	PASS
Band5	4233	1000~10000MHz	5944	-30.72	-13	PASS

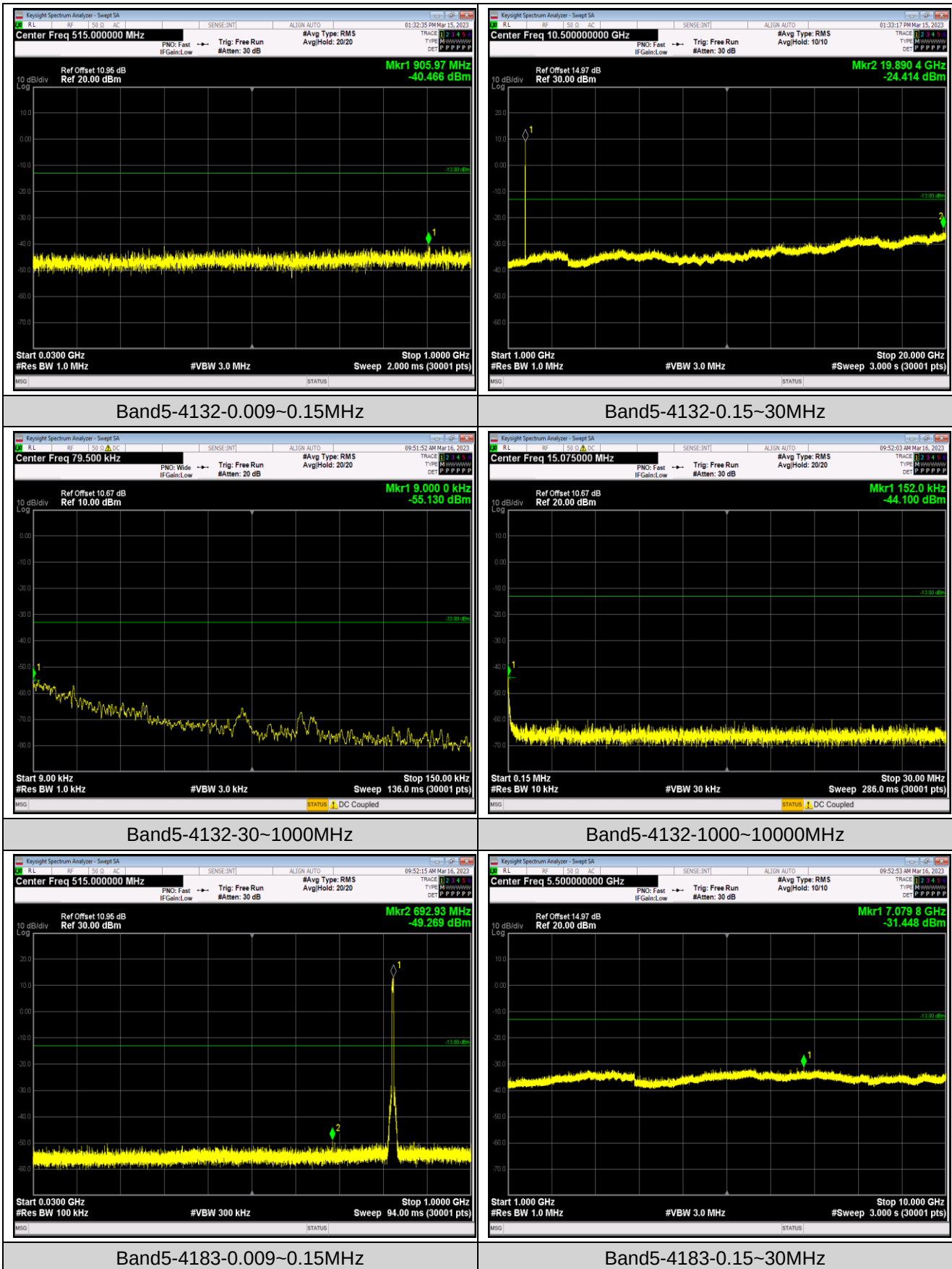
Test Graphs(WCDMA)

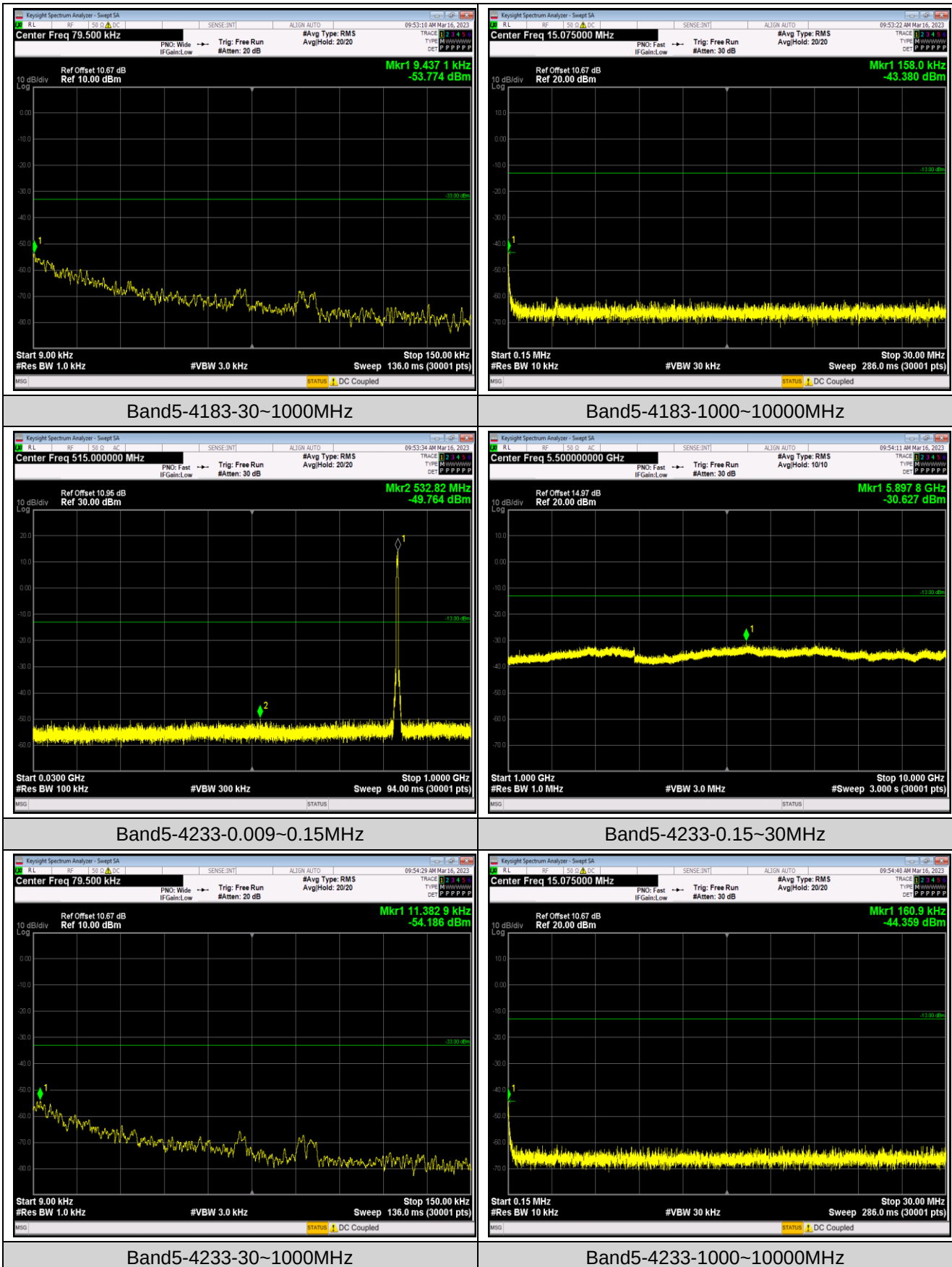


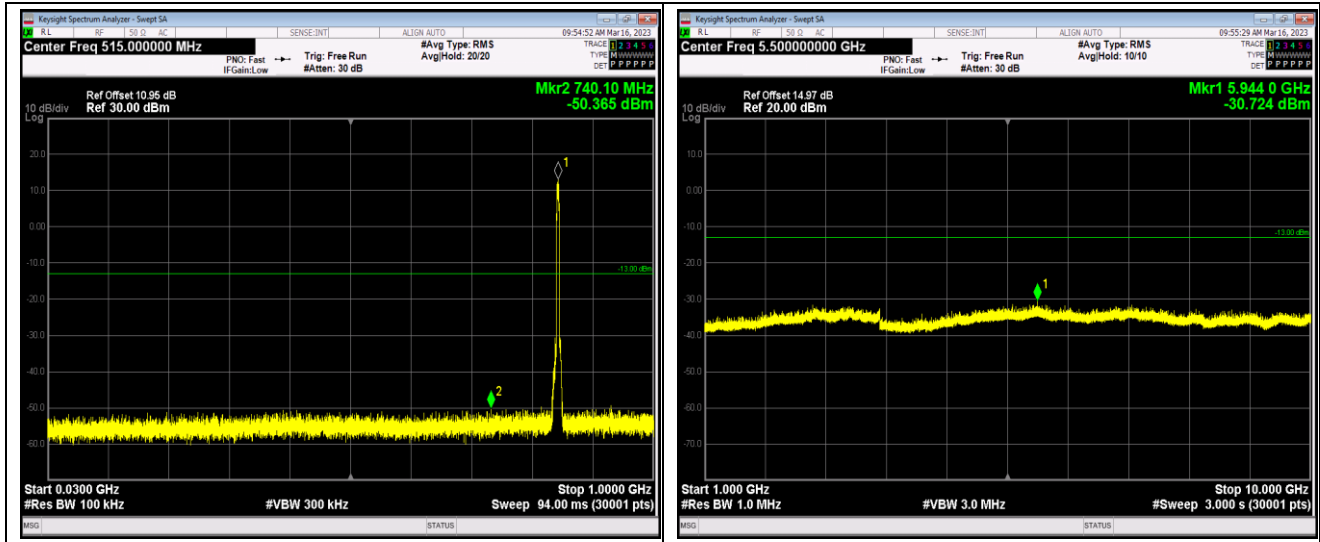












Appendix F: Frequency Stability

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	-5.13	-0.006132	±2.5	Pass
	-20	-5.01	-0.005989		
	-10	-6.34	-0.007578		
	0	-6.49	-0.007758		
	10	-5.99	-0.007160		
	20	-6.85	-0.008188		
	30	-6.97	-0.008331		
	40	-5.60	-0.006694		
	50	-4.66	-0.005570		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.57	-0.007853	±2.5	Pass
	3.85	-5.36	-0.006407		
	4.43	-4.06	-0.004853		
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	-14.01	-0.008086	Within authorized band for BAND IV	Pass
	-20	-14.76	-0.008519		
	-10	-11.27	-0.006505		
	0	-14.39	-0.008305		
	10	-12.82	-0.007399		
	20	-10.92	-0.006303		
	30	-10.06	-0.005806		
	40	-14.78	-0.008531		
	50	-9.66	-0.005575		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-16.39	-0.009460	Within authorized band for BAND IV	Pass
	3.85	-19.32	-0.011151		
	4.43	-14.71	-0.008490		
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	-6.37	-0.003388	Within authorized band for BAND II	Pass
	-20	-2.37	-0.001261		
	-10	-4.51	-0.002399		
	0	-7.94	-0.004223		
	10	-5.39	-0.002867		
	20	-7.00	-0.003723		
	30	-6.34	-0.003372		
	40	-7.90	-0.004202		
	50	-7.03	-0.003739		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-7.09	-0.003771	Within authorized band for BAND II	Pass
	3.85	-6.56	-0.003489		
	4.43	-6.04	-0.003213		
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

