

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	23.24	24.34	33.01	PASS
Band2	TestMode	9262	23.26	24.36	33.01	PASS
Band2	Voice	9400	23.56	24.66	33.01	PASS
Band2	TestMode	9400	23.54	24.64	33.01	PASS
Band2	Voice	9538	23.56	24.66	33.01	PASS
Band2	TestMode	9538	23.53	24.63	33.01	PASS
Band5	Voice	4132	22.89	19.74	38.45	PASS
Band5	TestMode	4132	22.96	19.81	38.45	PASS
Band5	Voice	4183	22.96	19.81	38.45	PASS
Band5	TestMode	4183	22.99	19.84	38.45	PASS
Band5	Voice	4233	22.87	19.72	38.45	PASS
Band5	TestMode	4233	23.01	19.86	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.04	23.14	33.01	PASS
Band2	9262	2	21.54	22.64	33.01	PASS
Band2	9262	3	21.57	22.67	33.01	PASS
Band2	9262	4	21.73	22.83	33.01	PASS
Band2	9400	1	22.50	23.60	33.01	PASS
Band2	9400	2	21.89	22.99	33.01	PASS
Band2	9400	3	22.00	23.10	33.01	PASS
Band2	9400	4	21.92	23.02	33.01	PASS
Band2	9538	1	22.53	23.63	33.01	PASS
Band2	9538	2	21.93	23.03	33.01	PASS
Band2	9538	3	21.90	23.00	33.01	PASS
Band2	9538	4	21.99	23.09	33.01	PASS
Band5	4132	1	22.08	18.93	38.5	PASS
Band5	4132	2	21.50	18.35	38.5	PASS
Band5	4132	3	21.46	18.31	38.5	PASS
Band5	4132	4	21.42	18.27	38.5	PASS
Band5	4183	1	22.00	18.85	38.5	PASS
Band5	4183	2	21.38	18.23	38.5	PASS
Band5	4183	3	21.48	18.33	38.5	PASS

Band5	4183	4	21.45	18.30	38.5	PASS
Band5	4233	1	21.79	18.64	38.5	PASS
Band5	4233	2	21.28	18.13	38.5	PASS
Band5	4233	3	21.31	18.16	38.5	PASS
Band5	4233	4	21.30	18.15	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.40	21.50	33.01	PASS
Band2	9262	2	20.89	21.99	33.01	PASS
Band2	9262	3	21.46	22.56	33.01	PASS
Band2	9262	4	20.57	21.67	33.01	PASS
Band2	9262	5	22.57	23.67	33.01	PASS
Band2	9400	1	20.68	21.78	33.01	PASS
Band2	9400	2	21.21	22.31	33.01	PASS
Band2	9400	3	21.72	22.82	33.01	PASS
Band2	9400	4	20.77	21.87	33.01	PASS
Band2	9400	5	22.87	23.97	33.01	PASS
Band2	9538	1	20.79	21.89	33.01	PASS
Band2	9538	2	21.25	22.35	33.01	PASS
Band2	9538	3	21.79	22.89	33.01	PASS
Band2	9538	4	20.94	22.04	33.01	PASS
Band2	9538	5	22.85	23.95	33.01	PASS
Band5	4132	1	20.13	16.98	38.5	PASS
Band5	4132	2	20.57	17.42	38.5	PASS
Band5	4132	3	21.06	17.91	38.5	PASS
Band5	4132	4	20.19	17.04	38.5	PASS
Band5	4132	5	22.23	19.08	38.5	PASS
Band5	4183	1	20.14	16.99	38.5	PASS
Band5	4183	2	20.57	17.42	38.5	PASS
Band5	4183	3	21.09	17.94	38.5	PASS
Band5	4183	4	20.22	17.07	38.5	PASS
Band5	4183	5	22.24	19.09	38.5	PASS
Band5	4233	1	19.99	16.84	38.5	PASS
Band5	4233	2	20.60	17.45	38.5	PASS
Band5	4233	3	21.04	17.89	38.5	PASS
Band5	4233	4	20.02	16.87	38.5	PASS
Band5	4233	5	22.02	18.87	38.5	PASS

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

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

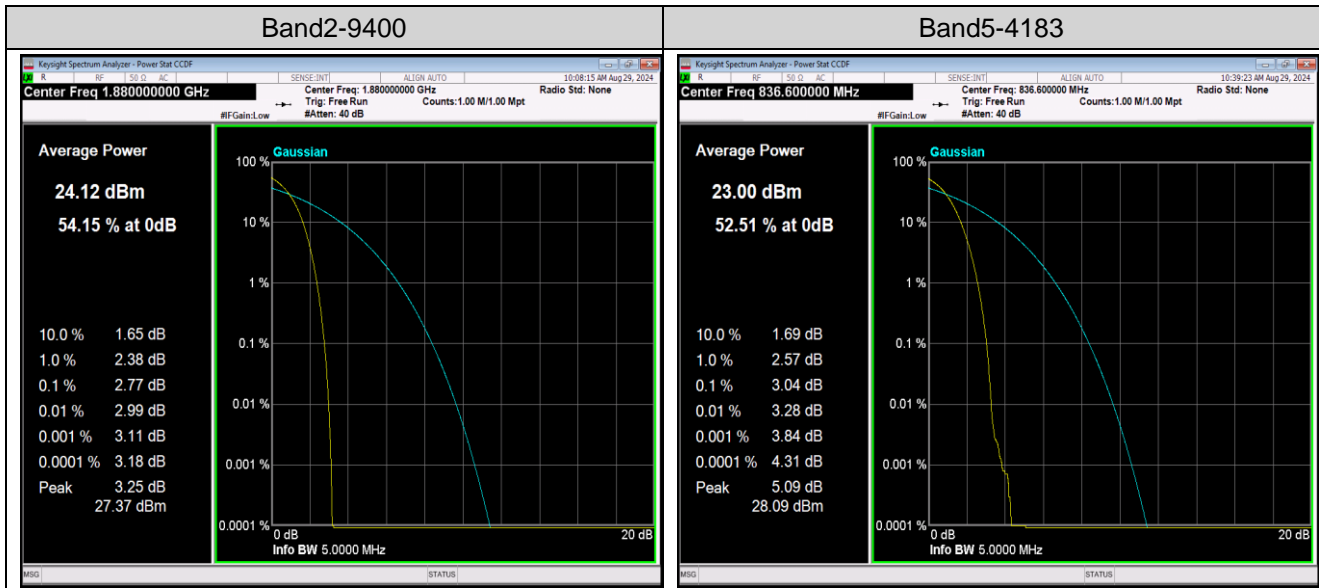
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.77	13	PASS
Band5	4183	3.04	13	PASS

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

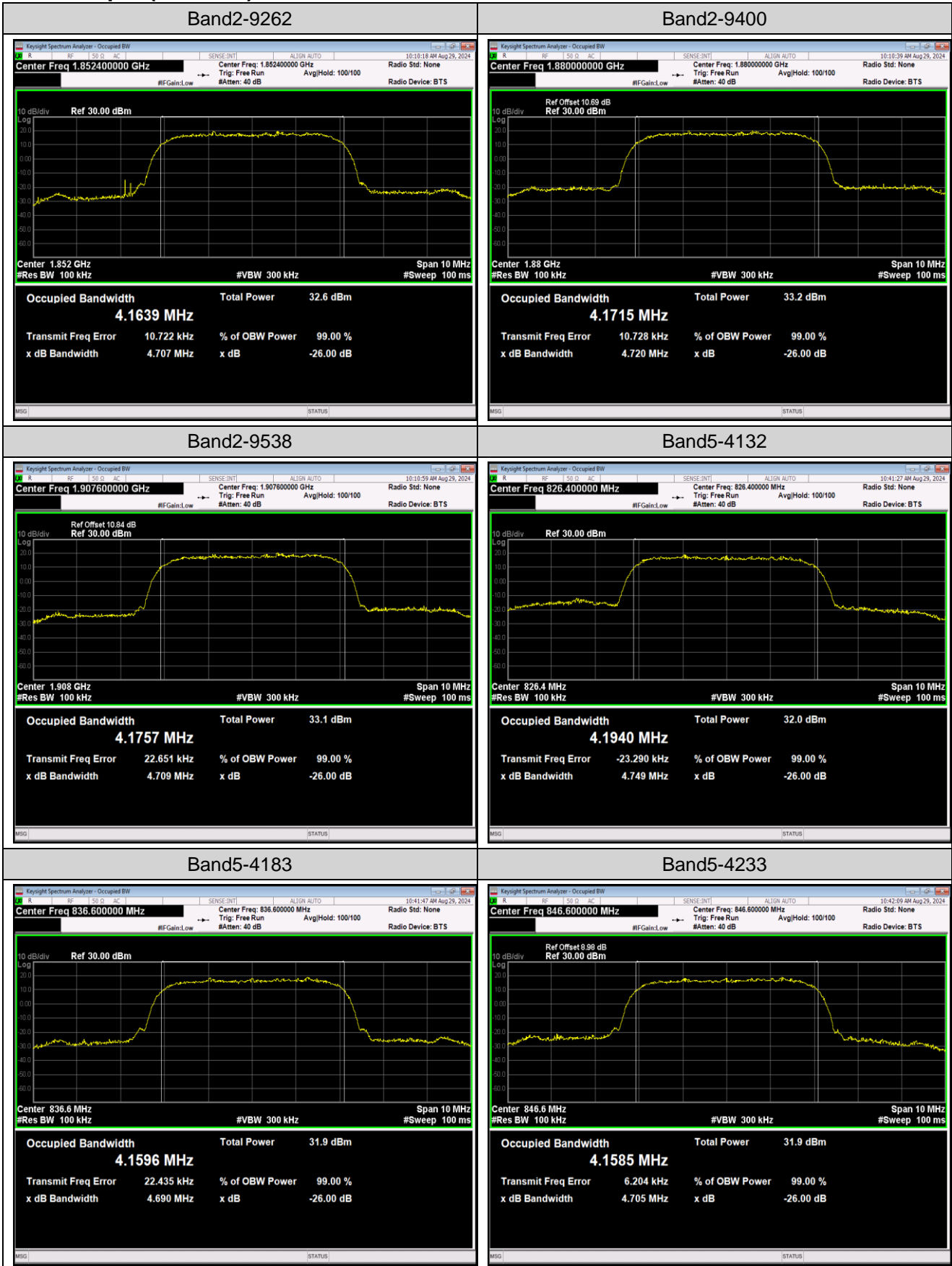
Test Graphs(WCDMA)



AppendixC:26dB Bandwidth andOccupied Bandwidth**Test Result(WCDMA)**

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1639	4.707	---	PASS
Band2	9400	4.1715	4.720	---	PASS
Band2	9538	4.1757	4.709	---	PASS
Band5	4132	4.1940	4.749	---	PASS
Band5	4183	4.1596	4.690	---	PASS
Band5	4233	4.1585	4.705	---	PASS

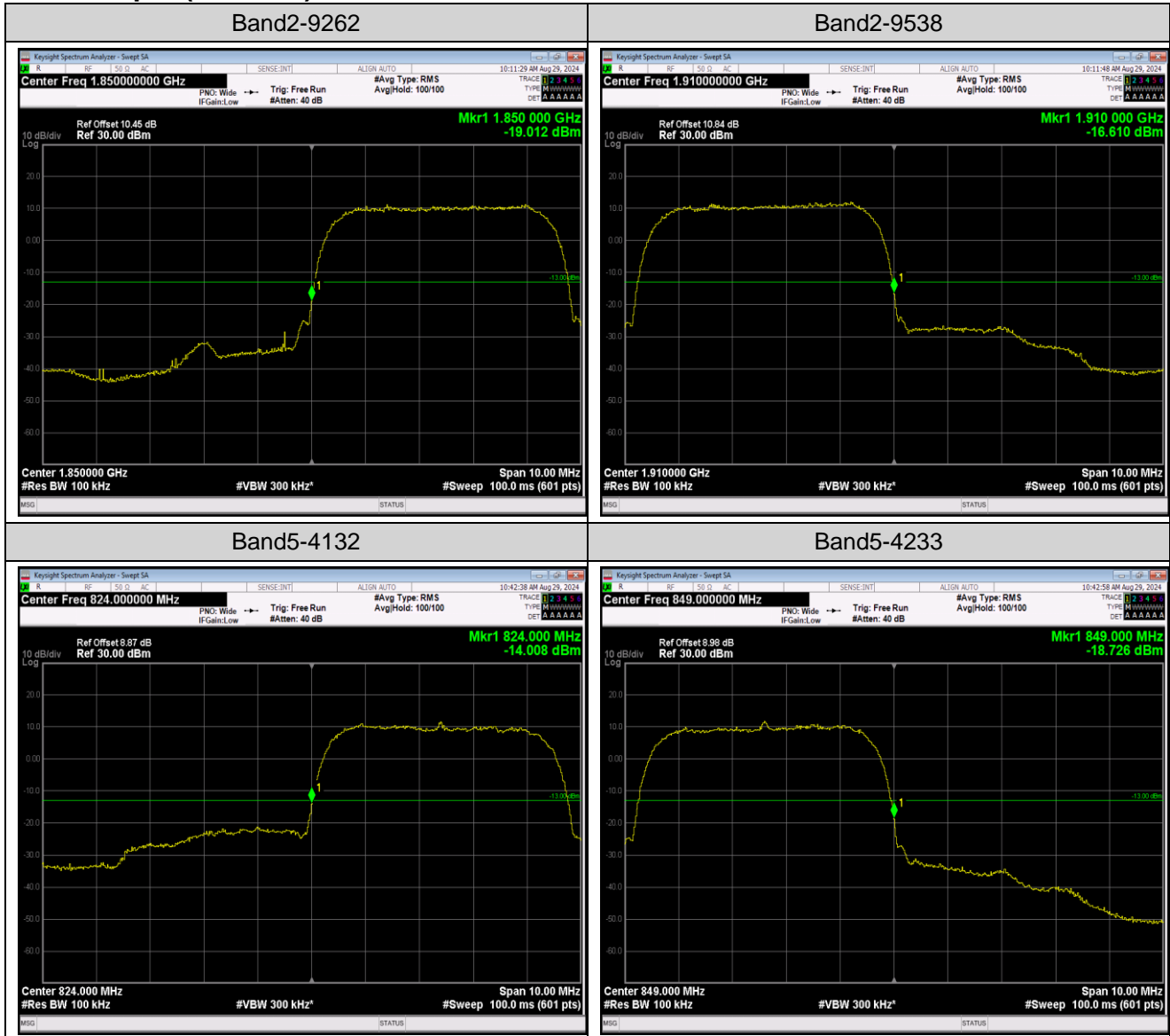
Test Graphs(WCDMA)



AppendixD:Band Edge**Test Result(WCDMA)**

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.01	-13	PASS
Band2	9538	1910.00	-16.61	-13	PASS
Band5	4132	824.00	-14.01	-13	PASS
Band5	4233	849.00	-18.73	-13	PASS

Test Graphs(WCDMA)

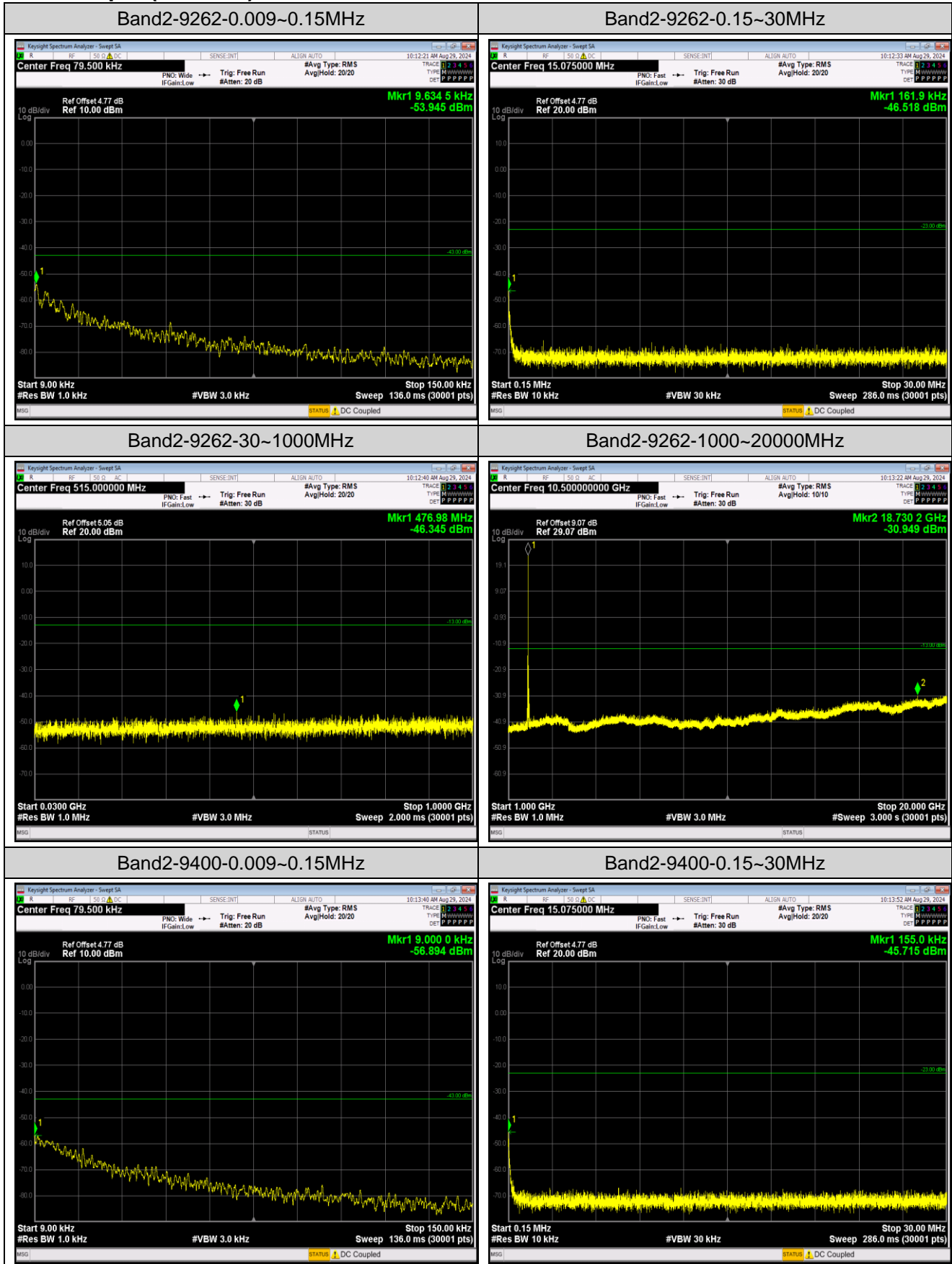


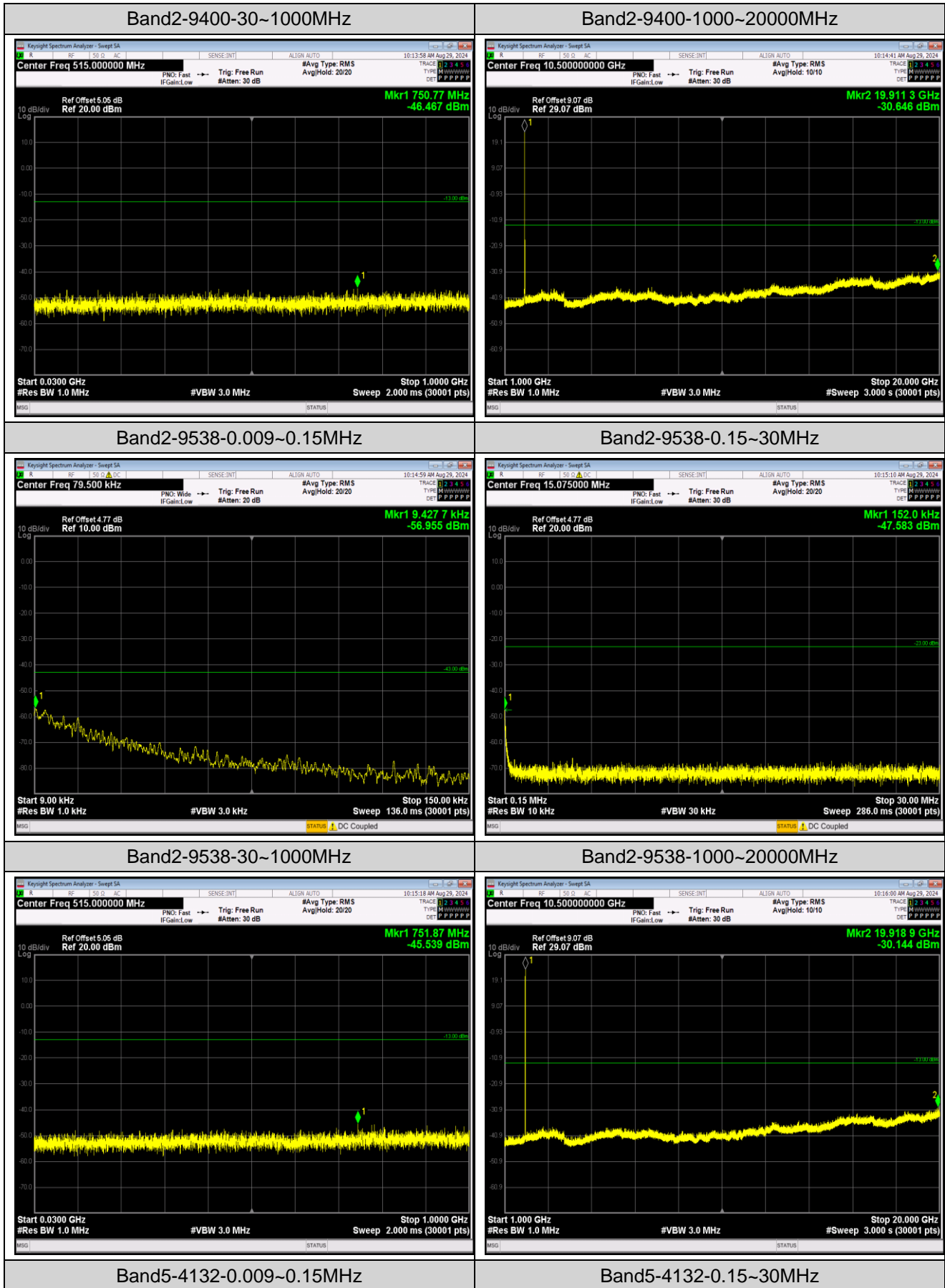
AppendixE:Conducted SpuriousEmission

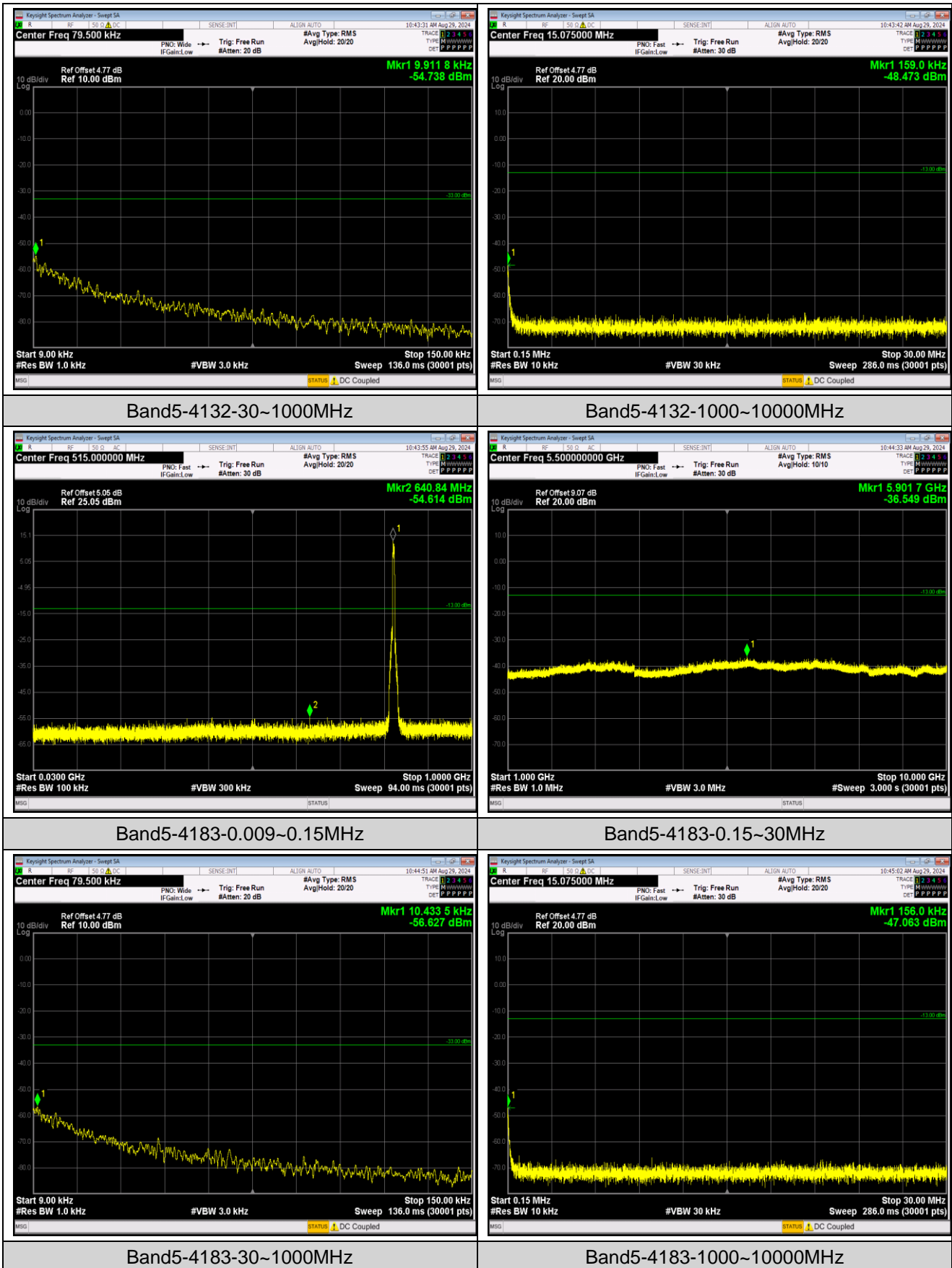
Test Result(WCDMA)

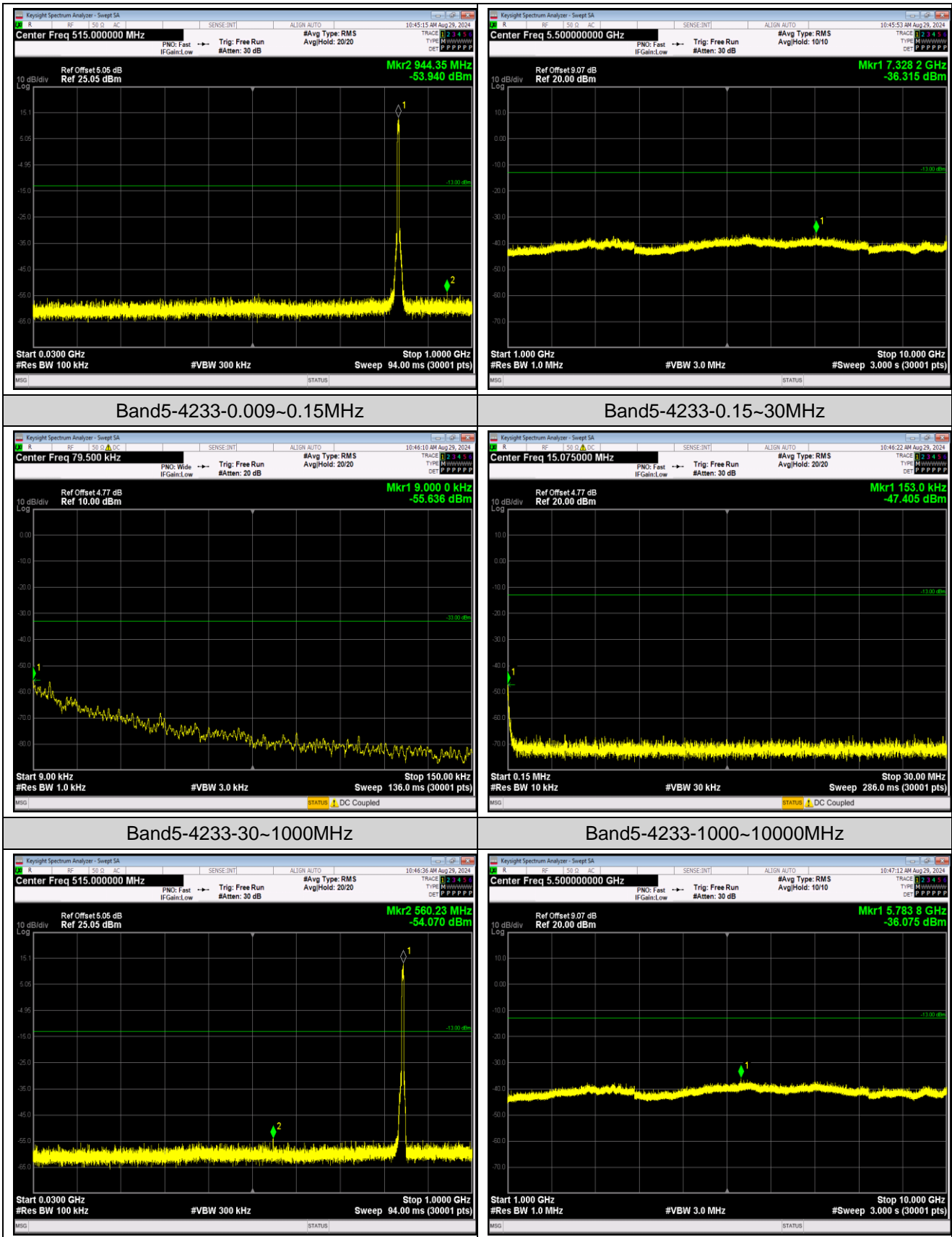
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-53.95	-43	PASS
Band2	9262	0.15~30MHz	0.16	-46.52	-23	PASS
Band2	9262	30~1000MHz	476.98	-46.35	-13	PASS
Band2	9262	1000~20000MHz	18730.17	-30.95	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.89	-43	PASS
Band2	9400	0.15~30MHz	0.15	-45.72	-23	PASS
Band2	9400	30~1000MHz	750.77	-46.47	-13	PASS
Band2	9400	1000~20000MHz	19911.33	-30.65	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.96	-43	PASS
Band2	9538	0.15~30MHz	0.15	-47.58	-23	PASS
Band2	9538	30~1000MHz	751.87	-45.54	-13	PASS
Band2	9538	1000~20000MHz	19918.93	-30.14	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.74	-33	PASS
Band5	4132	0.15~30MHz	0.16	-48.47	-13	PASS
Band5	4132	30~1000MHz	640.84	-54.61	-13	PASS
Band5	4132	1000~10000MHz	5901.7	-36.55	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.63	-33	PASS
Band5	4183	0.15~30MHz	0.16	-47.06	-13	PASS
Band5	4183	30~1000MHz	944.35	-53.94	-13	PASS
Band5	4183	1000~10000MHz	7328.2	-36.32	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.64	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.41	-13	PASS
Band5	4233	30~1000MHz	560.23	-54.07	-13	PASS
Band5	4233	1000~10000MHz	5783.8	-36.08	-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		
3.85	-30	-3.35	-0.004004	±2.5	Pass
	-20	-4.43	-0.005295		
	-10	-5.02	-0.006000		
	0	-6.35	-0.007590		
	10	-8.95	-0.010698		
	20	-9.33	-0.011152		
	30	-12.54	-0.014989		
	40	-6.52	-0.007793		
	50	-8.43	-0.010077		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-4.35	-0.005200	±2.5	Pass
	3.85	-6.43	-0.007686		
	4.40	-3.52	-0.004208		
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	-7.12	-0.003787	Within authorized band for BAND II	Pass
	-20	-5.00	-0.002660		
	-10	-9.92	-0.005277		
	0	-5.19	-0.002761		
	10	-5.24	-0.002787		
	20	-12.02	-0.006394		
	30	-12.92	-0.006872		
	40	-8.19	-0.004356		
	50	-9.01	-0.004793		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.88	-0.003660	Within authorized band for BAND II	Pass
	3.85	-10.66	-0.005670		
	4.40	-4.56	-0.002426		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

Appendix G: Modulation Characteristics

Test Result

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

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

Test Graphs

