

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	23.80	25.40	33.01	PASS
Band2	TestMode	9262	23.79	25.39	33.01	PASS
Band2	Voice	9400	23.60	25.20	33.01	PASS
Band2	TestMode	9400	23.64	25.24	33.01	PASS
Band2	Voice	9538	23.10	24.70	33.01	PASS
Band2	TestMode	9538	23.17	24.77	33.01	PASS
Band5	Voice	4132	23.19	16.84	38.45	PASS
Band5	TestMode	4132	23.23	16.88	38.45	PASS
Band5	Voice	4183	23.37	17.02	38.45	PASS
Band5	TestMode	4183	23.31	16.96	38.45	PASS
Band5	Voice	4233	23.39	17.04	38.45	PASS
Band5	TestMode	4233	23.38	17.03	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.87	24.47	33.01	PASS
Band2	9262	2	22.28	23.88	33.01	PASS
Band2	9262	3	22.31	23.91	33.01	PASS
Band2	9262	4	22.31	23.91	33.01	PASS
Band2	9400	1	22.69	24.29	33.01	PASS
Band2	9400	2	22.14	23.74	33.01	PASS
Band2	9400	3	22.14	23.74	33.01	PASS
Band2	9400	4	22.14	23.74	33.01	PASS
Band2	9538	1	22.17	23.77	33.01	PASS
Band2	9538	2	21.65	23.25	33.01	PASS
Band2	9538	3	21.61	23.21	33.01	PASS
Band2	9538	4	21.63	23.23	33.01	PASS
Band5	4132	1	22.28	15.93	38.5	PASS
Band5	4132	2	21.71	15.36	38.5	PASS
Band5	4132	3	21.78	15.43	38.5	PASS
Band5	4132	4	21.71	15.36	38.5	PASS
Band5	4183	1	22.39	16.04	38.5	PASS
Band5	4183	2	21.85	15.50	38.5	PASS

Band5	4183	3	21.82	15.47	38.5	PASS
Band5	4183	4	21.86	15.51	38.5	PASS
Band5	4233	1	22.45	16.10	38.5	PASS
Band5	4233	2	21.93	15.58	38.5	PASS
Band5	4233	3	21.96	15.61	38.5	PASS
Band5	4233	4	21.92	15.57	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.83	22.43	33.01	PASS
Band2	9262	2	21.31	22.91	33.01	PASS
Band2	9262	3	21.85	23.45	33.01	PASS
Band2	9262	4	20.86	22.46	33.01	PASS
Band2	9262	5	22.84	24.44	33.01	PASS
Band2	9400	1	20.64	22.24	33.01	PASS
Band2	9400	2	21.12	22.72	33.01	PASS
Band2	9400	3	21.62	23.22	33.01	PASS
Band2	9400	4	20.62	22.22	33.01	PASS
Band2	9400	5	22.62	24.22	33.01	PASS
Band2	9538	1	20.12	21.72	33.01	PASS
Band2	9538	2	20.58	22.18	33.01	PASS
Band2	9538	3	21.08	22.68	33.01	PASS
Band2	9538	4	20.13	21.73	33.01	PASS
Band2	9538	5	22.11	23.71	33.01	PASS
Band5	4132	1	20.36	14.01	38.5	PASS
Band5	4132	2	20.77	14.42	38.5	PASS
Band5	4132	3	21.24	14.89	38.5	PASS
Band5	4132	4	20.35	14.00	38.5	PASS
Band5	4132	5	22.27	15.92	38.5	PASS
Band5	4183	1	20.42	14.07	38.5	PASS
Band5	4183	2	20.86	14.51	38.5	PASS
Band5	4183	3	21.32	14.97	38.5	PASS
Band5	4183	4	20.45	14.10	38.5	PASS
Band5	4183	5	22.37	16.02	38.5	PASS
Band5	4233	1	20.49	14.14	38.5	PASS
Band5	4233	2	20.96	14.61	38.5	PASS
Band5	4233	3	21.38	15.03	38.5	PASS
Band5	4233	4	20.49	14.14	38.5	PASS
Band5	4233	5	22.45	16.10	38.5	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For Band2)

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

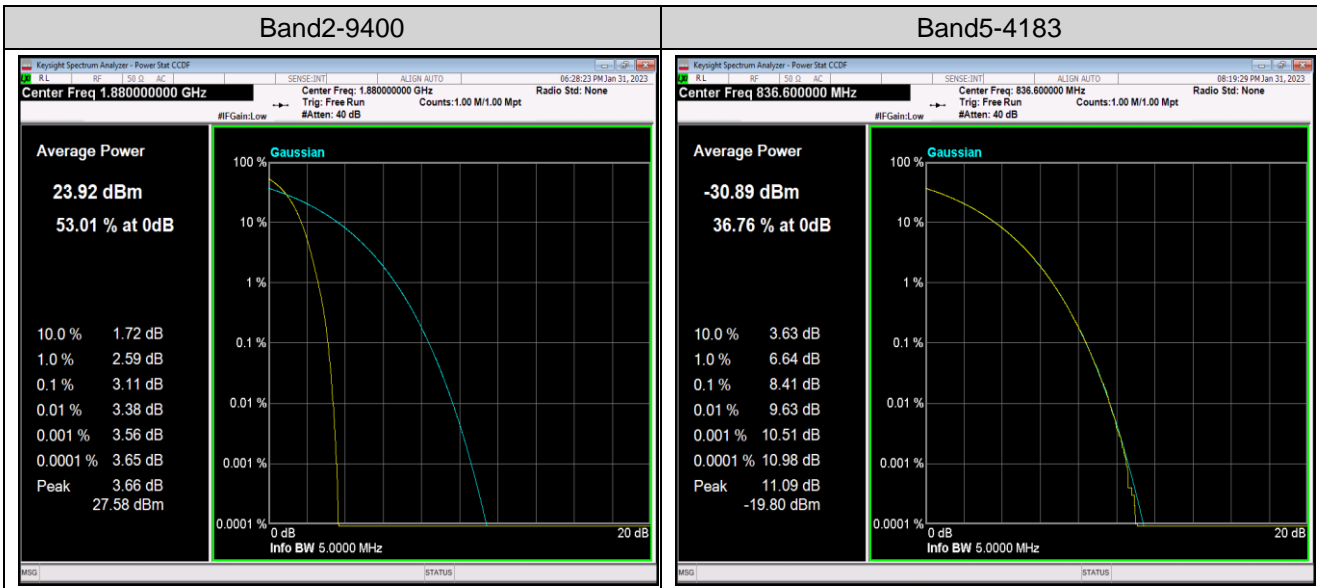
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.11	13	PASS
Band5	4183	8.41	13	PASS

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

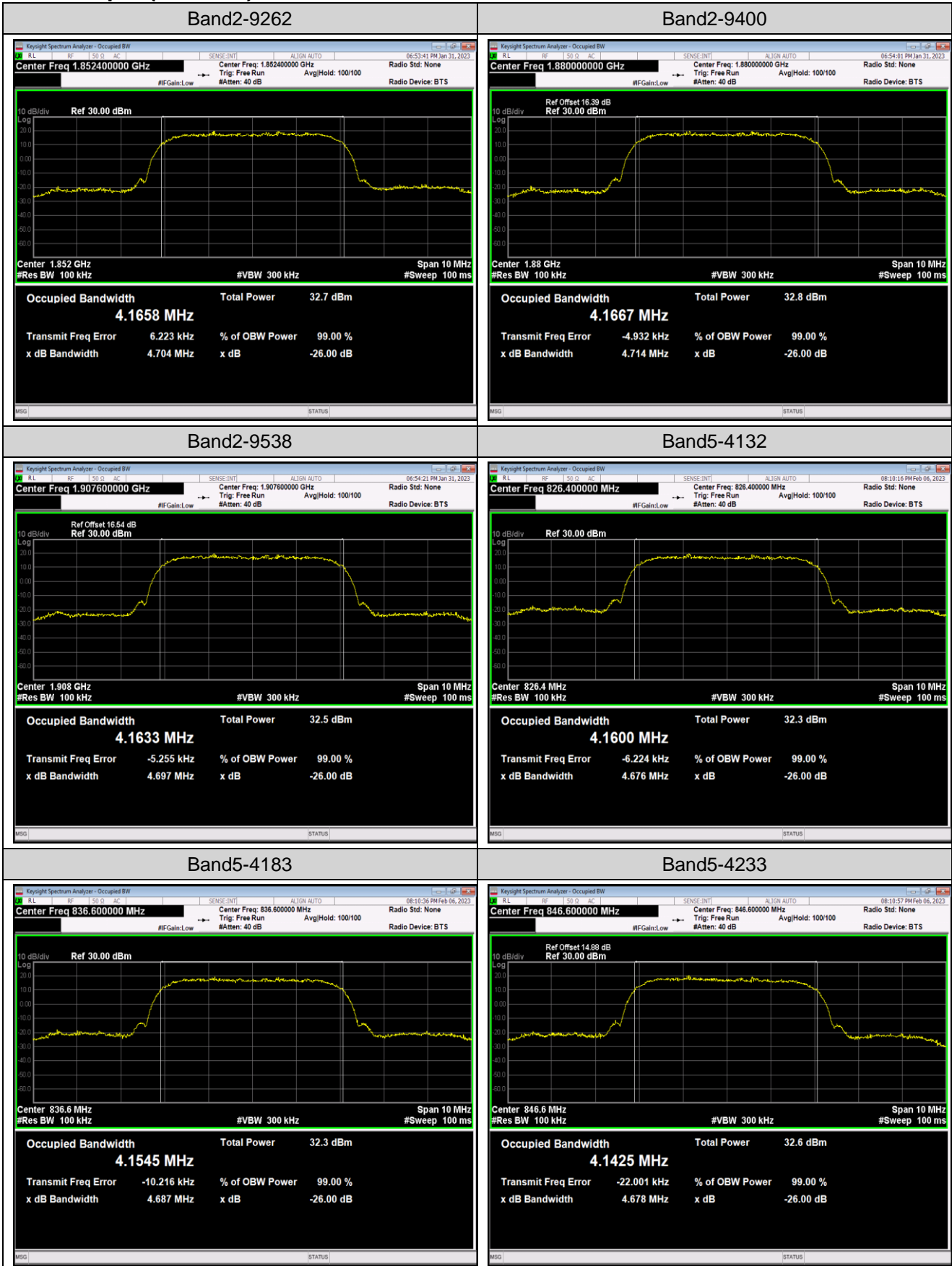
Test Graphs(WCDMA)



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

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1658	4.704	---	PASS
Band2	9400	4.1667	4.714	---	PASS
Band2	9538	4.1633	4.697	---	PASS
Band5	4132	4.1600	4.676	---	PASS
Band5	4183	4.1545	4.687	---	PASS
Band5	4233	4.1425	4.678	---	PASS

Test Graphs(WCDMA)

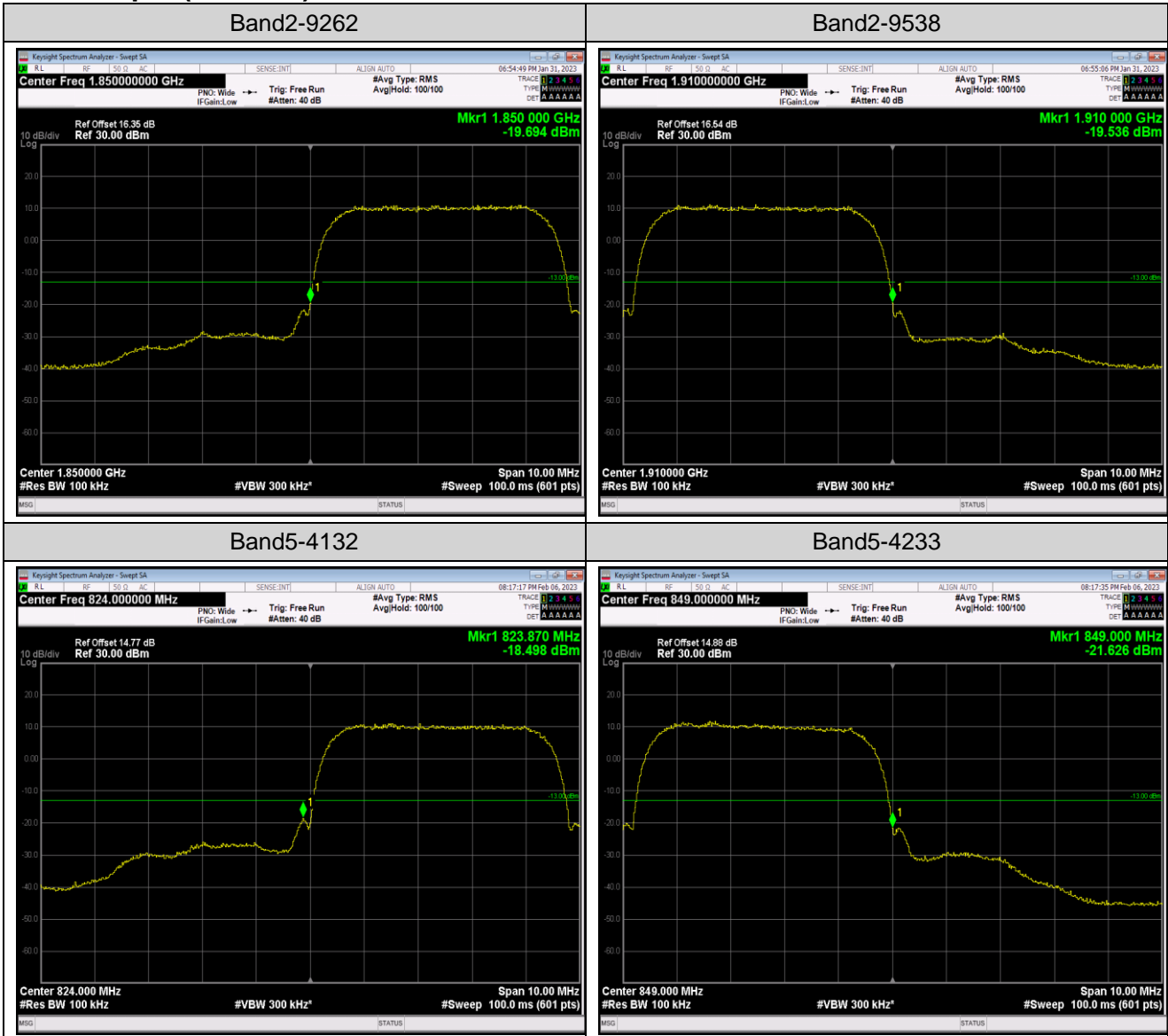


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.69	-13	PASS
Band2	9538	1910.00	-19.54	-13	PASS
Band5	4132	823.87	-18.50	-13	PASS
Band5	4233	849.00	-21.63	-13	PASS

Test Graphs(WCDMA)

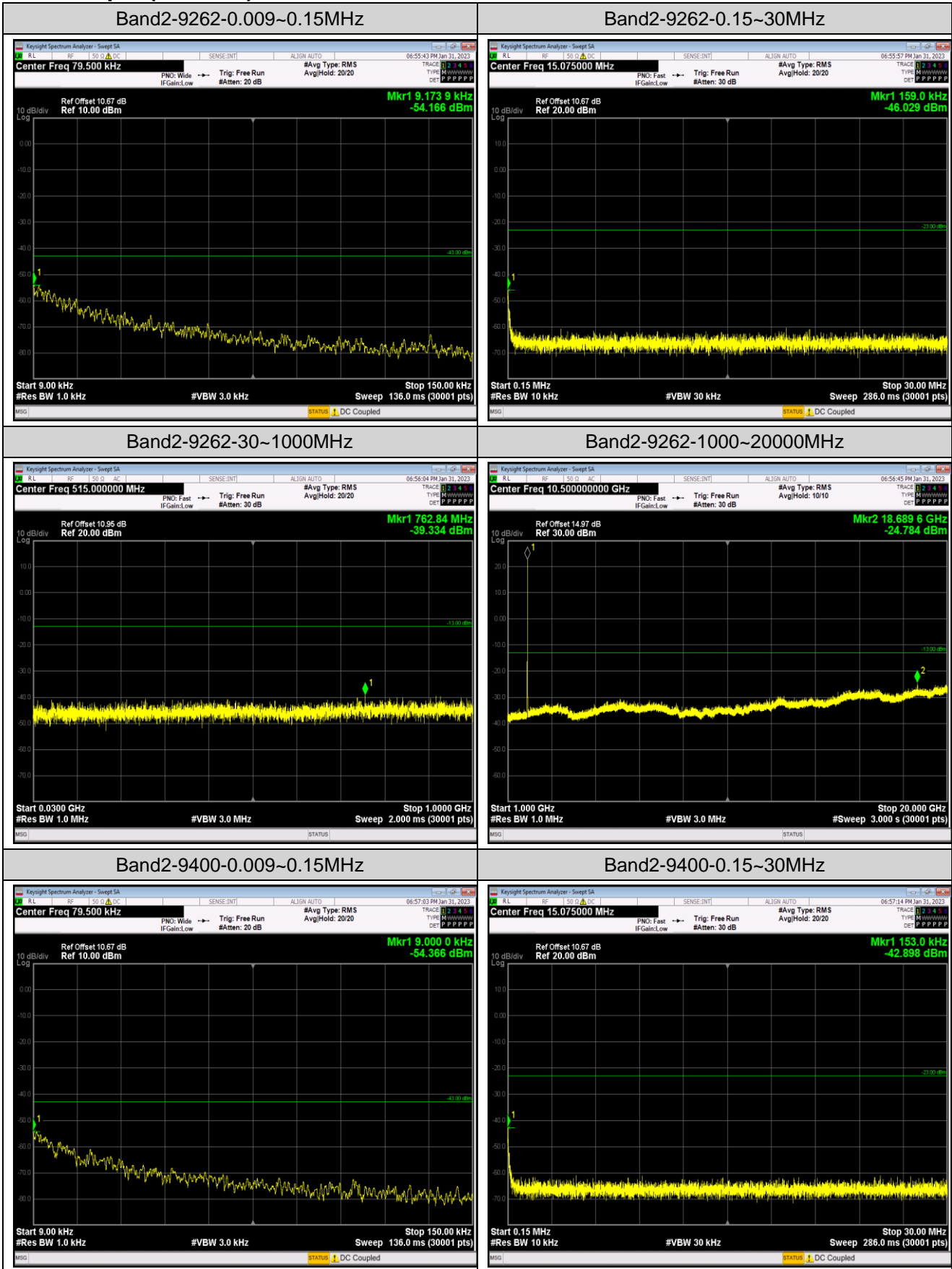


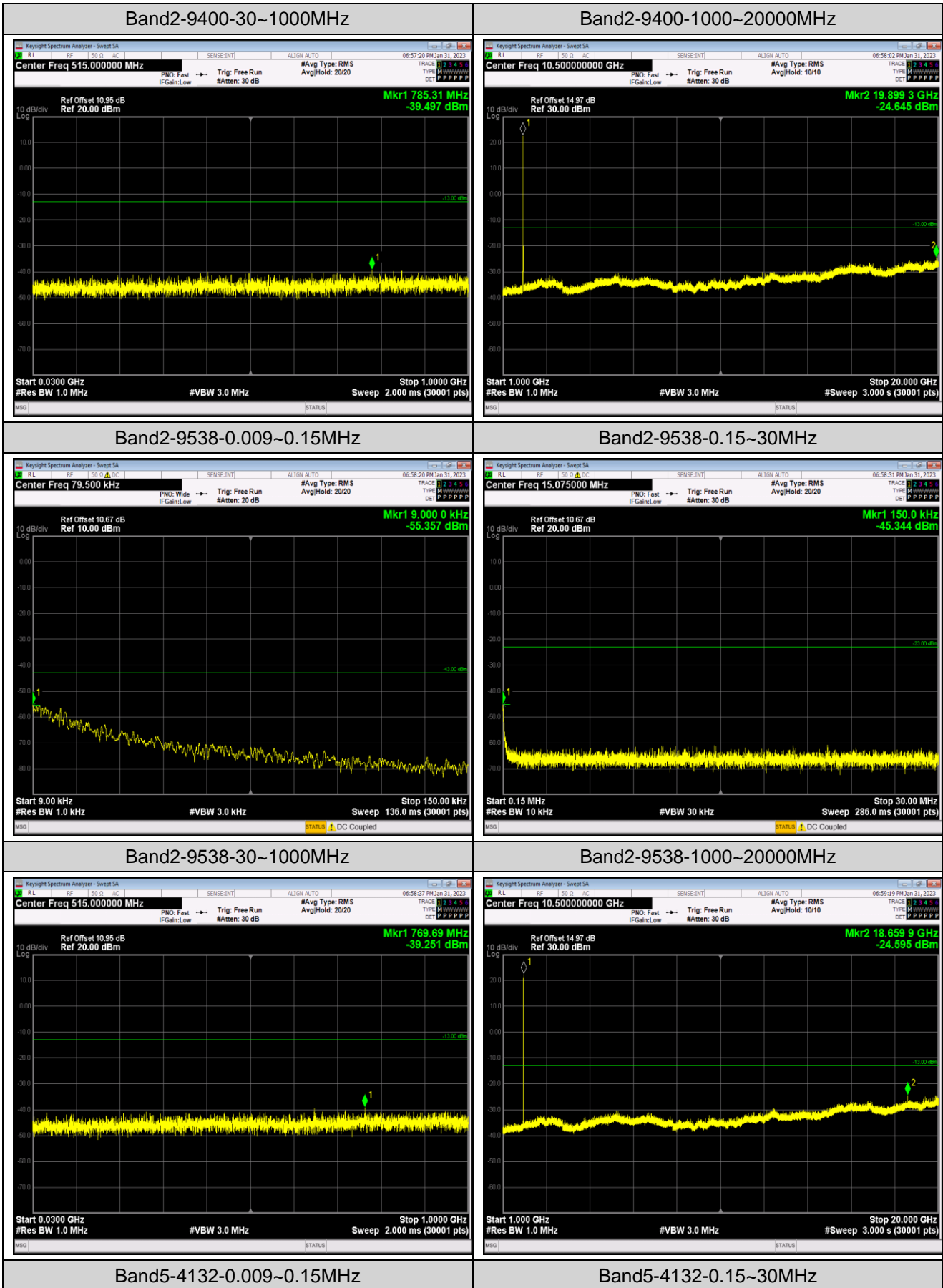
Appendix E: Conducted Spurious Emission

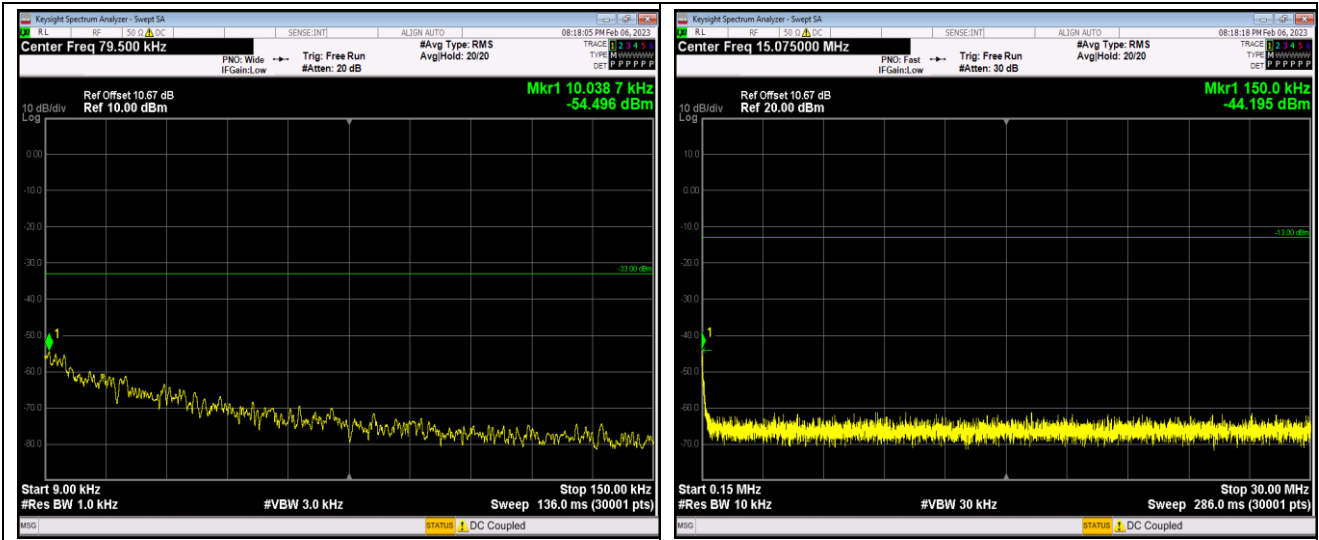
Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.17	-43	PASS
Band2	9262	0.15~30MHz	0.16	-46.03	-23	PASS
Band2	9262	30~1000MHz	762.84	-39.33	-13	PASS
Band2	9262	1000~20000MHz	18689.63	-24.78	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.37	-43	PASS
Band2	9400	0.15~30MHz	0.15	-42.9	-23	PASS
Band2	9400	30~1000MHz	785.31	-39.5	-13	PASS
Band2	9400	1000~20000MHz	19899.3	-24.65	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.36	-43	PASS
Band2	9538	0.15~30MHz	0.15	-45.34	-23	PASS
Band2	9538	30~1000MHz	769.69	-39.25	-13	PASS
Band2	9538	1000~20000MHz	18659.87	-24.6	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.5	-33	PASS
Band5	4132	0.15~30MHz	0.15	-44.2	-13	PASS
Band5	4132	30~1000MHz	960.91	-49.29	-13	PASS
Band5	4132	1000~10000MHz	5848.9	-30.77	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-54.68	-33	PASS
Band5	4183	0.15~30MHz	0.15	-45.07	-13	PASS
Band5	4183	30~1000MHz	959.36	-49.55	-13	PASS
Band5	4183	1000~10000MHz	7018.9	-30.91	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-53.48	-33	PASS
Band5	4233	0.15~30MHz	0.15	-44.84	-13	PASS
Band5	4233	30~1000MHz	525.12	-49.35	-13	PASS
Band5	4233	1000~10000MHz	6057.7	-31.66	-13	PASS

Test Graphs(WCDMA)

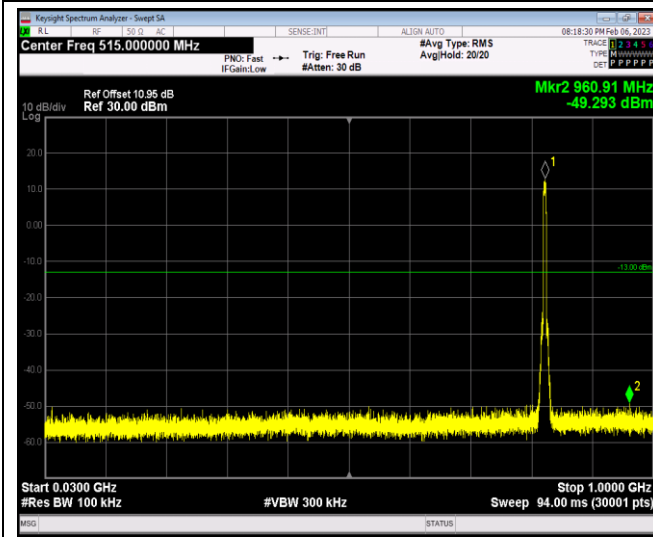




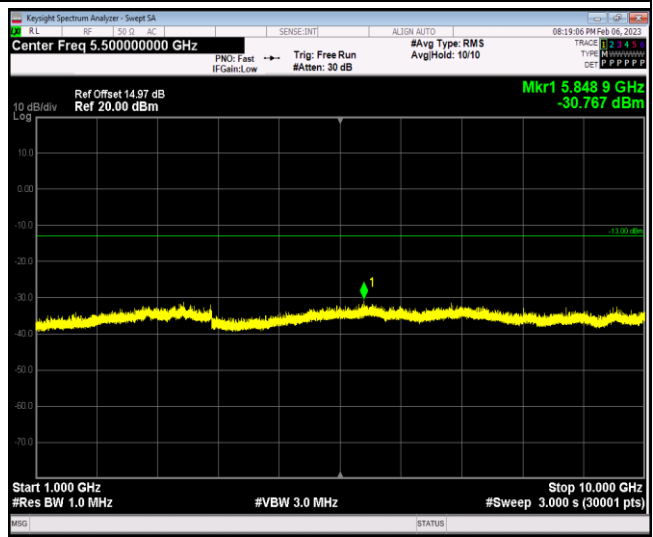


Band5-4132-30~1000MHz

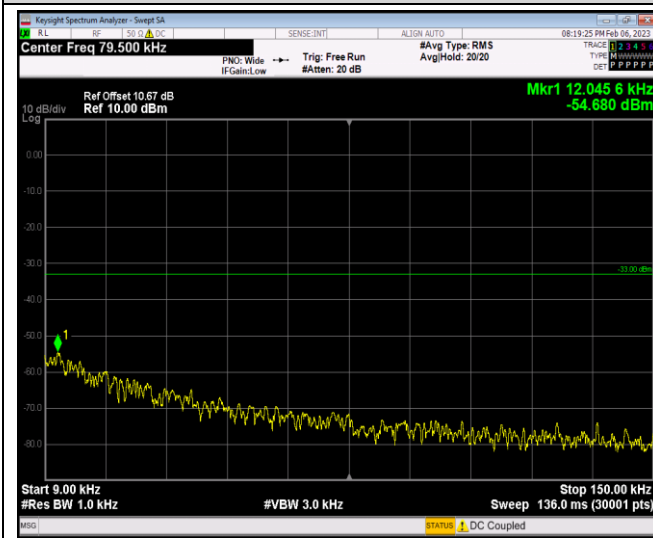
Band5-4132-1000~10000MHz



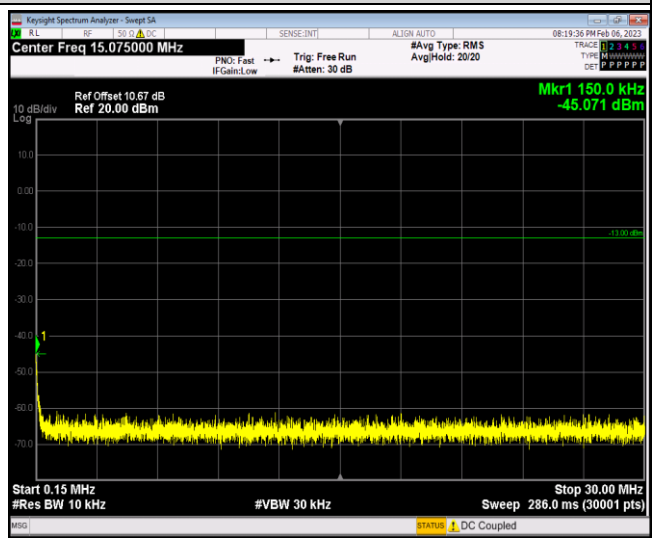
Band5-4183-0.009~0.15MHz



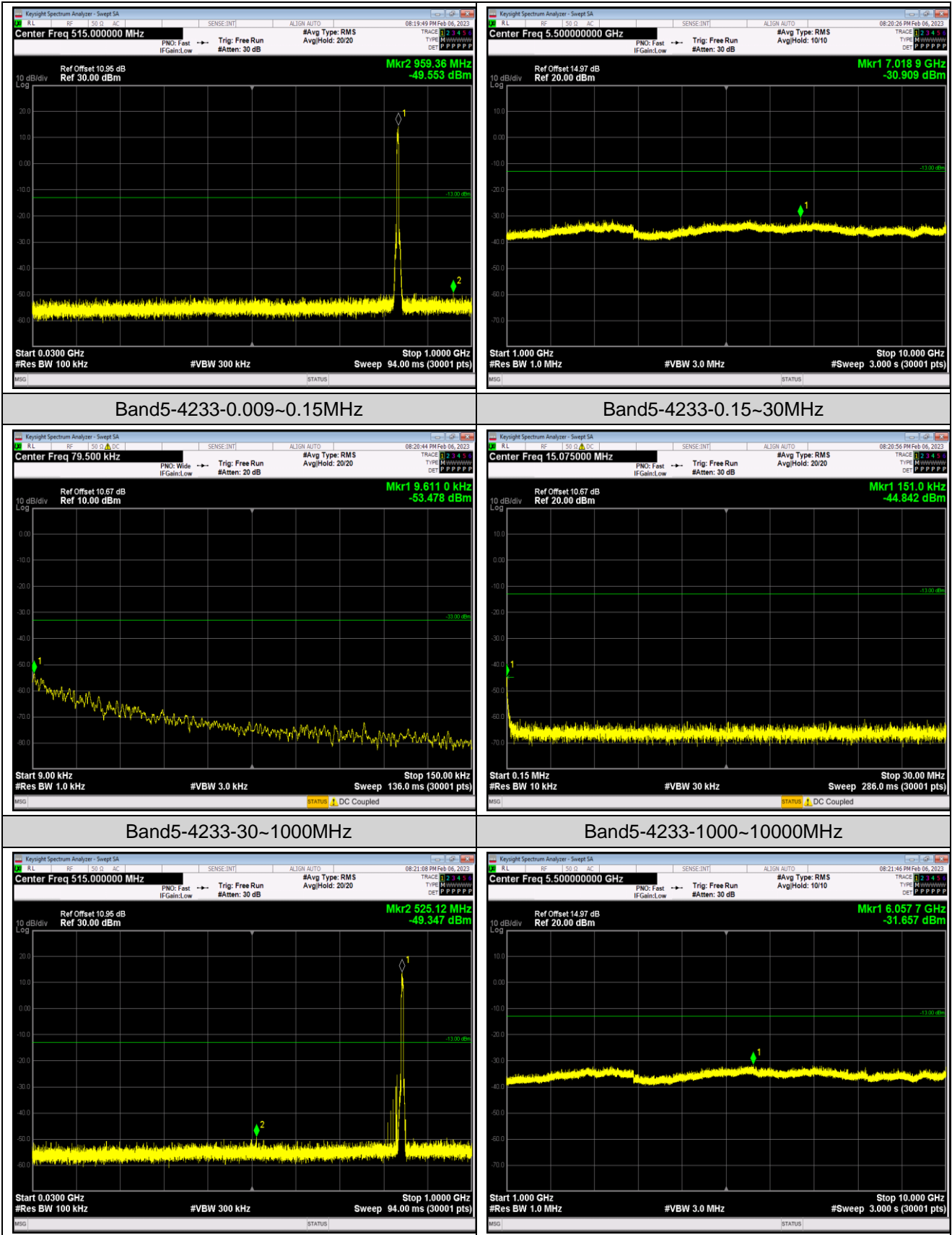
Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz



Band5-4183-1000~10000MHz



Band5-4233-0.009~0.15MHz

Band5-4233-0.15~30MHz

Band5-4233-30~1000MHz

Band5-4233-1000~10000MHz

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		
3.70	-30	-11.84	-0.014153	±2.5	Pass
	-20	-11.37	-0.013591		
	-10	-10.97	-0.013113		
	0	-11.85	-0.014164		
	10	-11.58	-0.013842		
	20	-11.85	-0.014164		
	30	-11.33	-0.013543		
	40	-10.73	-0.012826		
	50	-10.31	-0.012324		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.15	-13.05	-0.015599	±2.5	Pass
	3.70	-11.51	-0.013758		
	4.20	-12.25	-0.014643		
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=1880MHz channel=9400					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-14.08	-0.007489	Within authorized band for BAND II	Pass
	-20	-10.16	-0.005404		
	-10	-11.43	-0.006080		
	0	-12.09	-0.006431		
	10	-10.31	-0.005484		
	20	-11.04	-0.005872		
	30	-9.44	-0.005021		
	40	-9.43	-0.005016		
	50	-7.28	-0.003872		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.15	-15.03	-0.007995	Within authorized band for BAND II	Pass
	3.70	-16.19	-0.008612		
	4.20	-13.16	-0.007000		
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
Band5	4183	PASS	PASS

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

Test Graphs

