

## 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	23.15	21.75	33.01	PASS
Band2	TestMode	9262	23.13	21.73	33.01	PASS
Band2	Voice	9400	23.26	21.86	33.01	PASS
Band2	TestMode	9400	23.22	21.82	33.01	PASS
Band2	Voice	9538	23.29	21.89	33.01	PASS
Band2	TestMode	9538	23.27	21.87	33.01	PASS
Band5	Voice	4132	23.30	19.35	38.45	PASS
Band5	TestMode	4132	23.25	19.3	38.45	PASS
Band5	Voice	4183	23.35	19.4	38.45	PASS
Band5	TestMode	4183	23.34	19.39	38.45	PASS
Band5	Voice	4233	23.27	19.32	38.45	PASS
Band5	TestMode	4233	23.26	19.31	38.45	PASS

### Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.27	20.87	33.01	PASS
Band2	9262	2	21.94	20.54	33.01	PASS
Band2	9262	3	21.72	20.32	33.01	PASS
Band2	9262	4	21.77	20.37	33.01	PASS
Band2	9400	1	22.28	20.88	33.01	PASS
Band2	9400	2	21.96	20.56	33.01	PASS
Band2	9400	3	21.78	20.38	33.01	PASS
Band2	9400	4	21.80	20.4	33.01	PASS
Band2	9538	1	21.95	20.55	33.01	PASS
Band2	9538	2	21.68	20.28	33.01	PASS
Band2	9538	3	21.48	20.08	33.01	PASS
Band2	9538	4	21.50	20.1	33.01	PASS
Band5	4132	1	22.13	18.18	38.5	PASS
Band5	4132	2	21.86	17.91	38.5	PASS
Band5	4132	3	21.38	17.43	38.5	PASS
Band5	4132	4	21.42	17.47	38.5	PASS
Band5	4183	1	22.30	18.35	38.5	PASS
Band5	4183	2	22.18	18.23	38.5	PASS

Band5	4183	3	21.76	17.81	38.5	PASS
Band5	4183	4	21.84	17.89	38.5	PASS
Band5	4233	1	22.44	18.49	38.5	PASS
Band5	4233	2	22.08	18.13	38.5	PASS
Band5	4233	3	21.75	17.8	38.5	PASS
Band5	4233	4	21.80	17.85	38.5	PASS

**Test Result(HSUPA)**

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.00	18.6	33.01	PASS
Band2	9262	2	20.60	19.2	33.01	PASS
Band2	9262	3	20.38	18.98	33.01	PASS
Band2	9262	4	20.64	19.24	33.01	PASS
Band2	9262	5	22.39	20.99	33.01	PASS
Band2	9400	1	19.50	18.1	33.01	PASS
Band2	9400	2	20.34	18.94	33.01	PASS
Band2	9400	3	19.97	18.57	33.01	PASS
Band2	9400	4	20.40	19	33.01	PASS
Band2	9400	5	22.32	20.92	33.01	PASS
Band2	9538	1	19.28	17.88	33.01	PASS
Band2	9538	2	20.09	18.69	33.01	PASS
Band2	9538	3	19.67	18.27	33.01	PASS
Band2	9538	4	20.17	18.77	33.01	PASS
Band2	9538	5	22.04	20.64	33.01	PASS
Band5	4132	1	20.79	16.84	38.5	PASS
Band5	4132	2	20.89	16.94	38.5	PASS
Band5	4132	3	20.65	16.7	38.5	PASS
Band5	4132	4	20.52	16.57	38.5	PASS
Band5	4132	5	21.93	17.98	38.5	PASS
Band5	4183	1	20.89	16.94	38.5	PASS
Band5	4183	2	20.97	17.02	38.5	PASS
Band5	4183	3	20.59	16.64	38.5	PASS
Band5	4183	4	20.74	16.79	38.5	PASS
Band5	4183	5	22.30	18.35	38.5	PASS
Band5	4233	1	20.93	16.98	38.5	PASS
Band5	4233	2	21.01	17.06	38.5	PASS
Band5	4233	3	20.46	16.51	38.5	PASS
Band5	4233	4	20.58	16.63	38.5	PASS
Band5	4233	5	22.21	18.26	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)

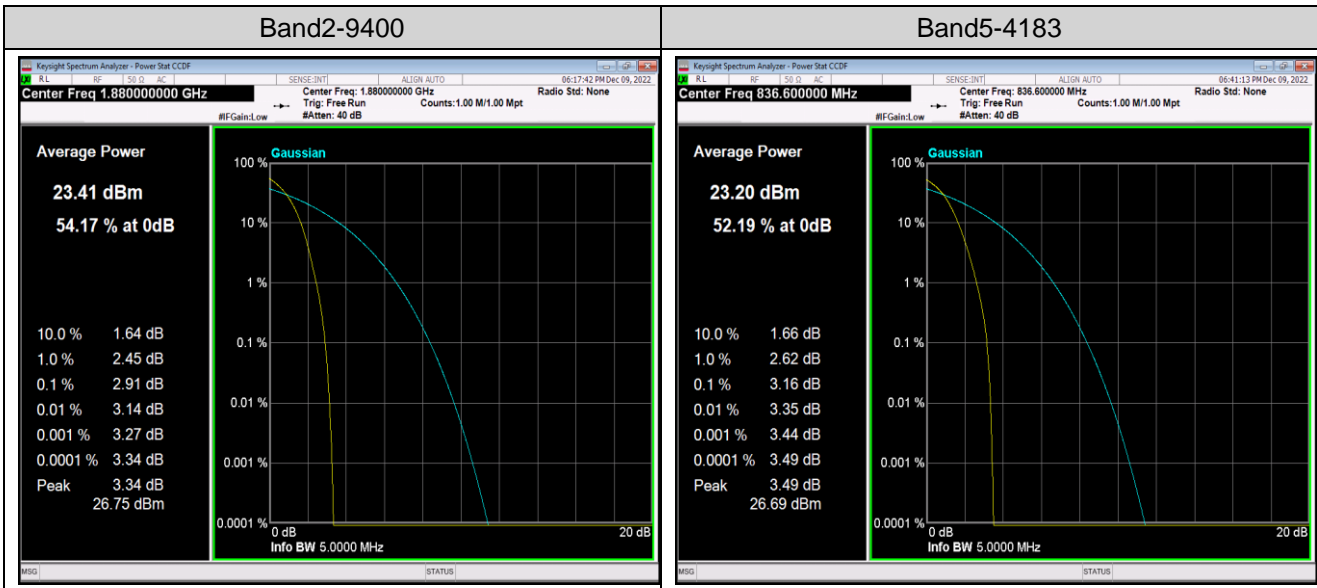
## Appendix B: Peak-to-Average Ratio

### Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.91	13	PASS
Band5	4183	3.16	13	PASS

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

### Test Graphs(WCDMA)

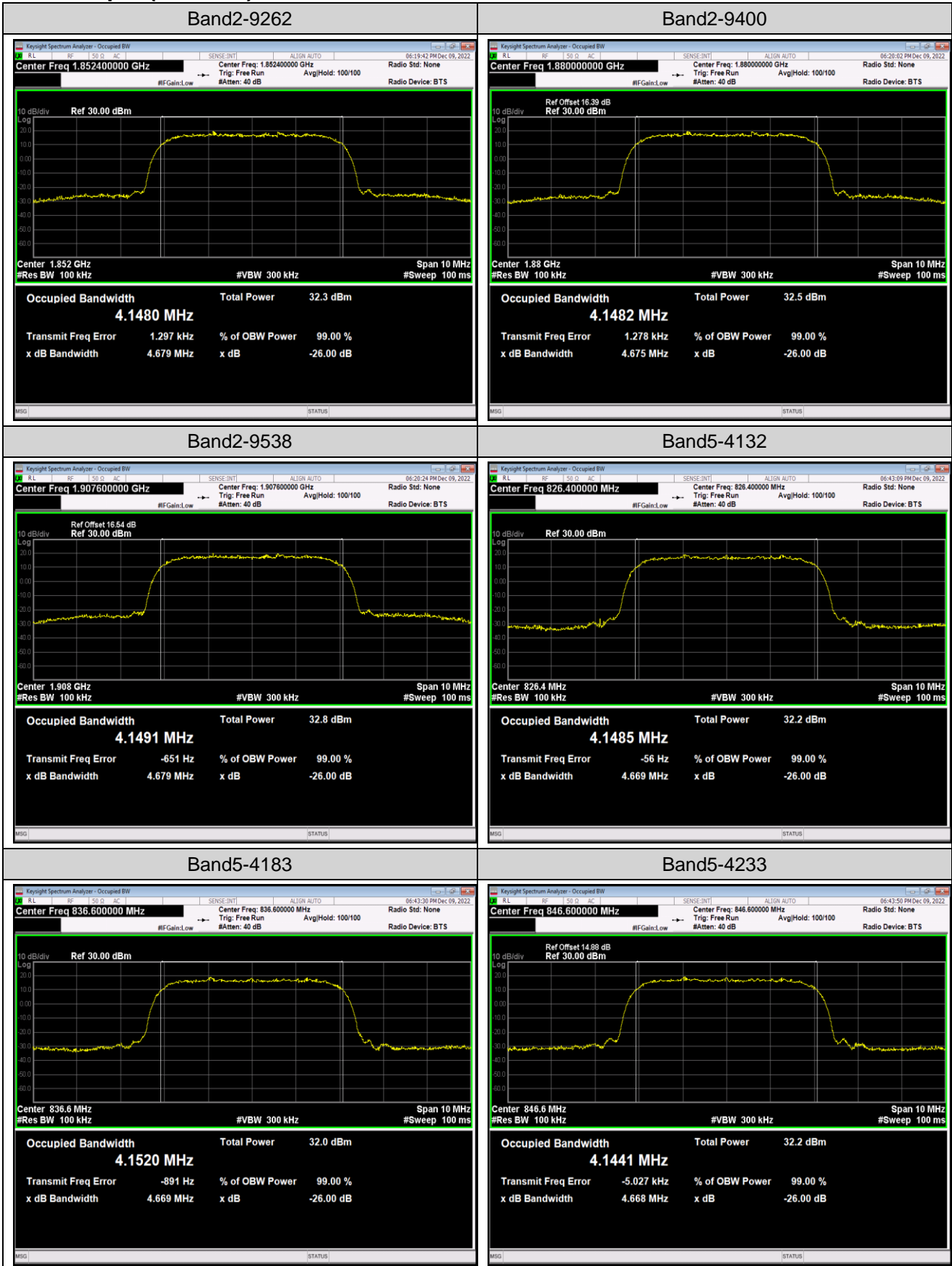


## AppendixC:26dB Bandwidth andOccupied Bandwidth

### Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1480	4.679	---	PASS
Band2	9400	4.1482	4.675	---	PASS
Band2	9538	4.1491	4.679	---	PASS
Band5	4132	4.1485	4.669	---	PASS
Band5	4183	4.1520	4.669	---	PASS
Band5	4233	4.1441	4.668	---	PASS

Test Graphs(WCDMA)

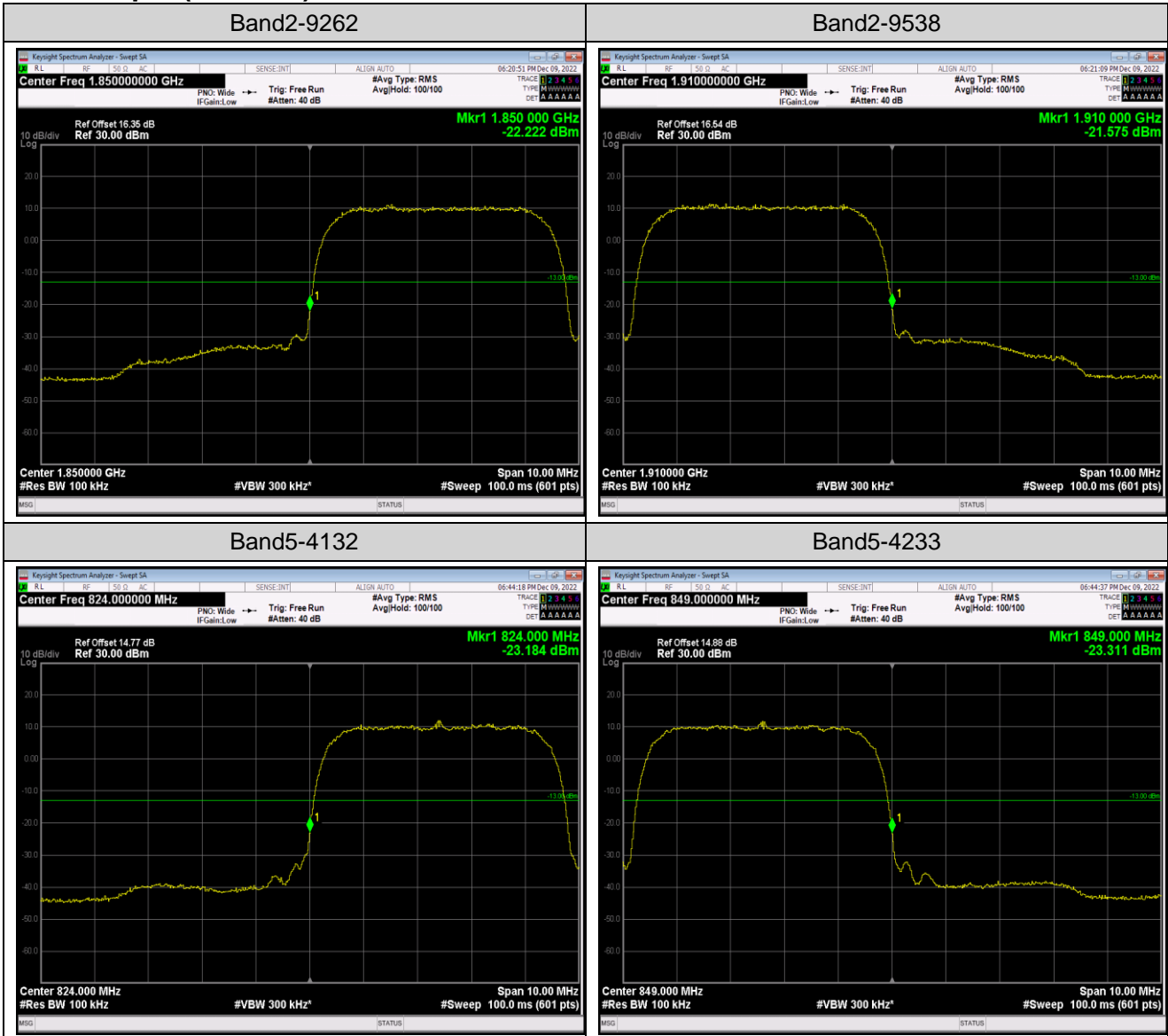


## AppendixD:Band Edge

### Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-22.22	-13	PASS
Band2	9538	1910.00	-21.57	-13	PASS
Band5	4132	824.00	-23.18	-13	PASS
Band5	4233	849.00	-23.31	-13	PASS

Test Graphs(WCDMA)



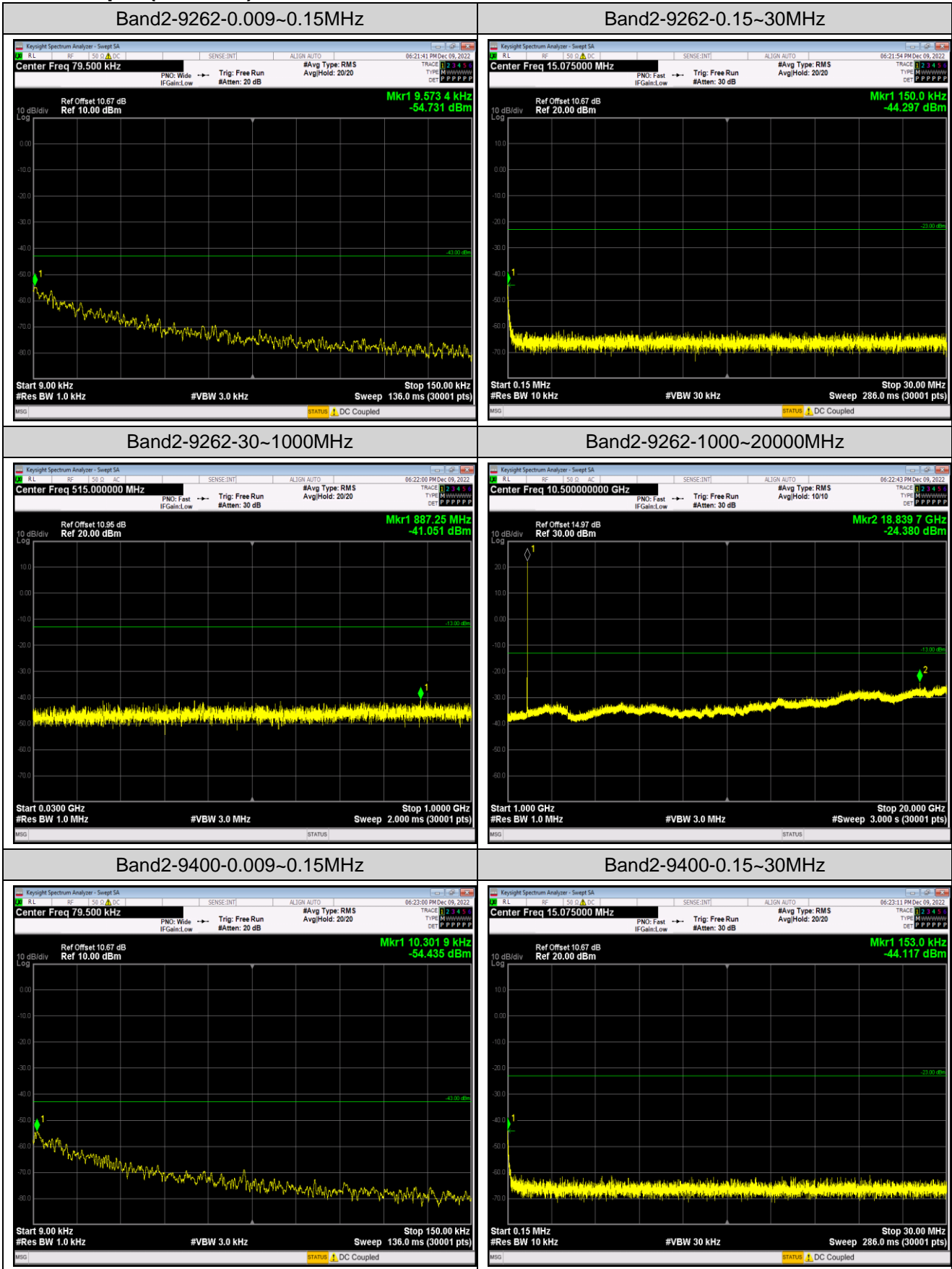


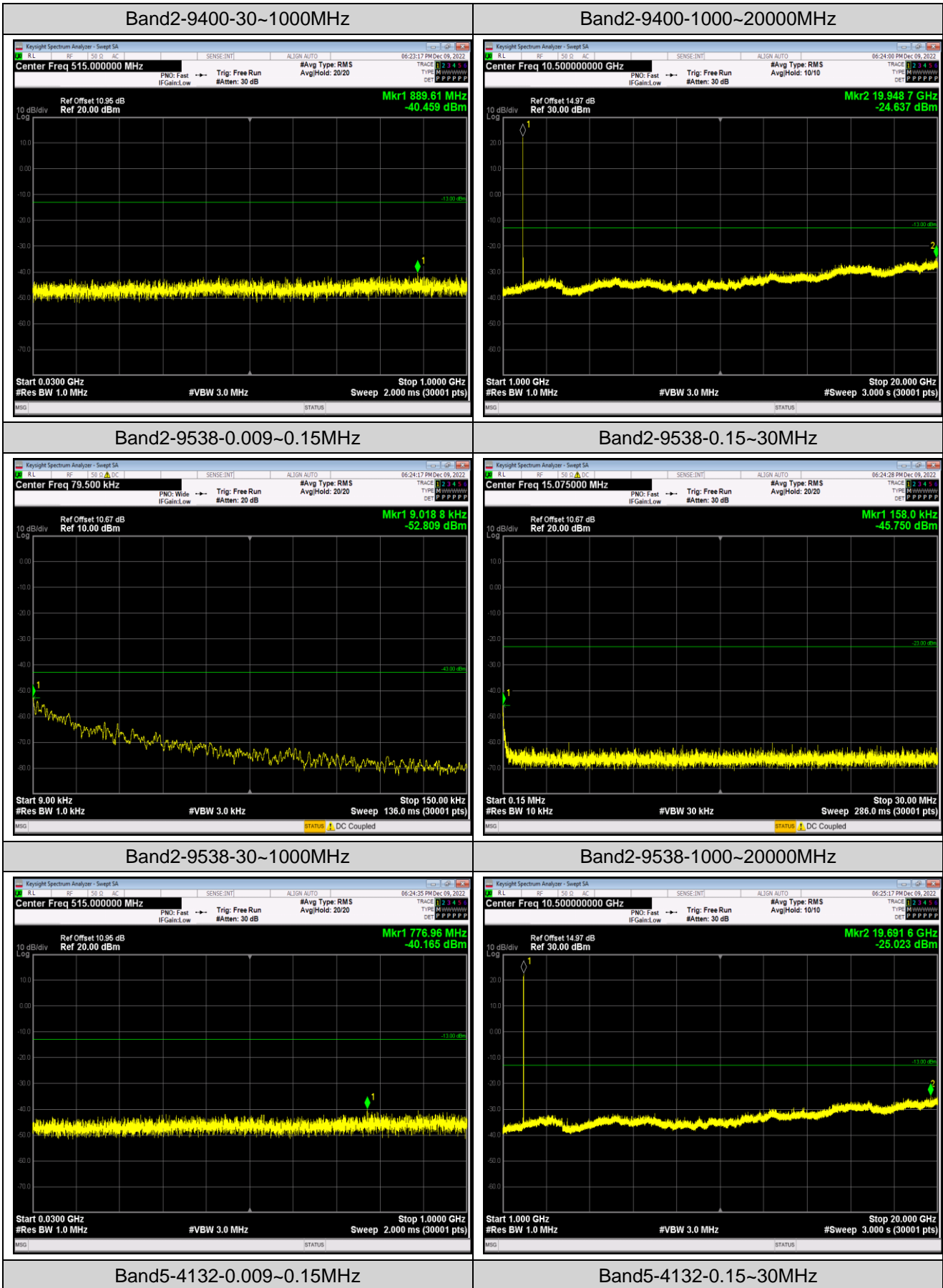
## Appendix E: Conducted Spurious Emission

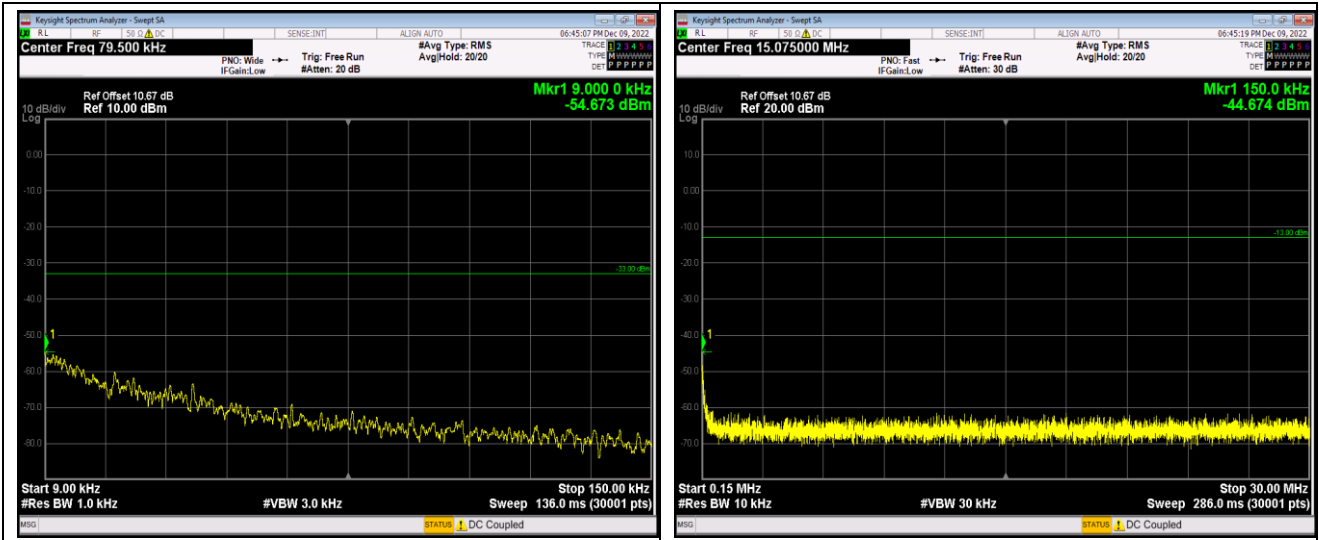
### Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.73	-43	PASS
Band2	9262	0.15~30MHz	0.15	-44.3	-23	PASS
Band2	9262	30~1000MHz	887.25	-41.05	-13	PASS
Band2	9262	1000~20000MHz	18839.73	-24.38	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.44	-43	PASS
Band2	9400	0.15~30MHz	0.15	-44.12	-23	PASS
Band2	9400	30~1000MHz	889.61	-40.46	-13	PASS
Band2	9400	1000~20000MHz	19948.7	-24.64	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-52.81	-43	PASS
Band2	9538	0.15~30MHz	0.16	-45.75	-23	PASS
Band2	9538	30~1000MHz	776.96	-40.17	-13	PASS
Band2	9538	1000~20000MHz	19691.57	-25.02	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.67	-33	PASS
Band5	4132	0.15~30MHz	0.15	-44.67	-13	PASS
Band5	4132	30~1000MHz	415.58	-49.81	-13	PASS
Band5	4132	1000~10000MHz	4127.2	-28.11	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-53.06	-33	PASS
Band5	4183	0.15~30MHz	0.15	-44.33	-13	PASS
Band5	4183	30~1000MHz	469.41	-49.41	-13	PASS
Band5	4183	1000~10000MHz	4187.8	-27.19	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.99	-33	PASS
Band5	4233	0.15~30MHz	0.15	-43.37	-13	PASS
Band5	4233	30~1000MHz	702.86	-49.79	-13	PASS
Band5	4233	1000~10000MHz	4228.6	-27.53	-13	PASS

Test Graphs(WCDMA)

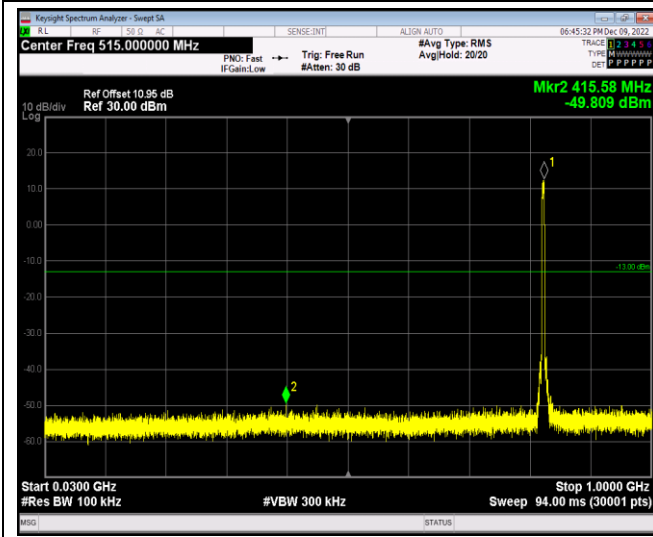




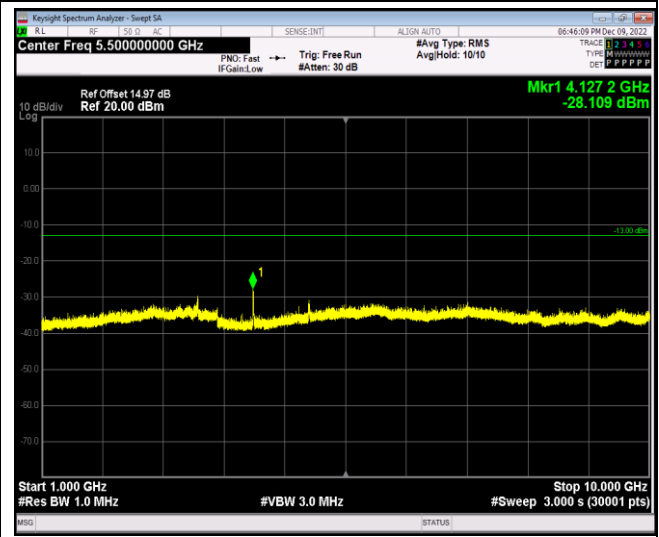


Band5-4132-30~1000MHz

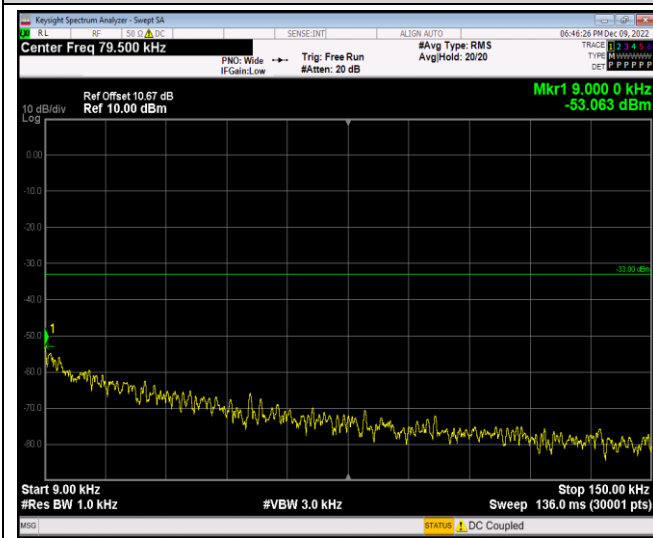
Band5-4132-1000~10000MHz



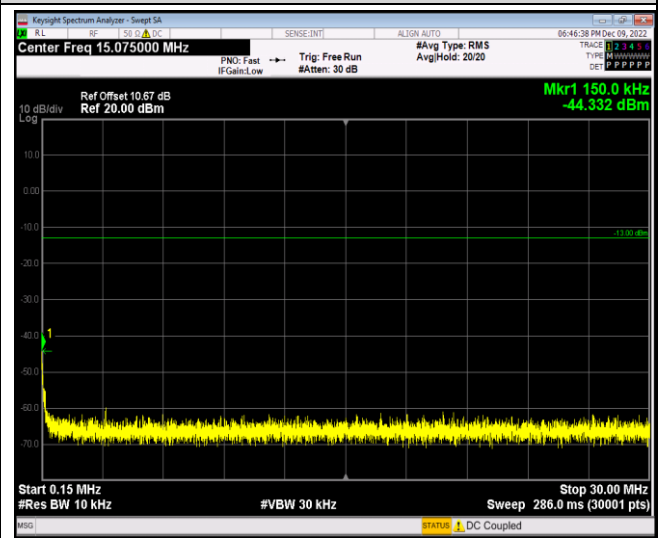
Band5-4183-0.009~0.15MHz



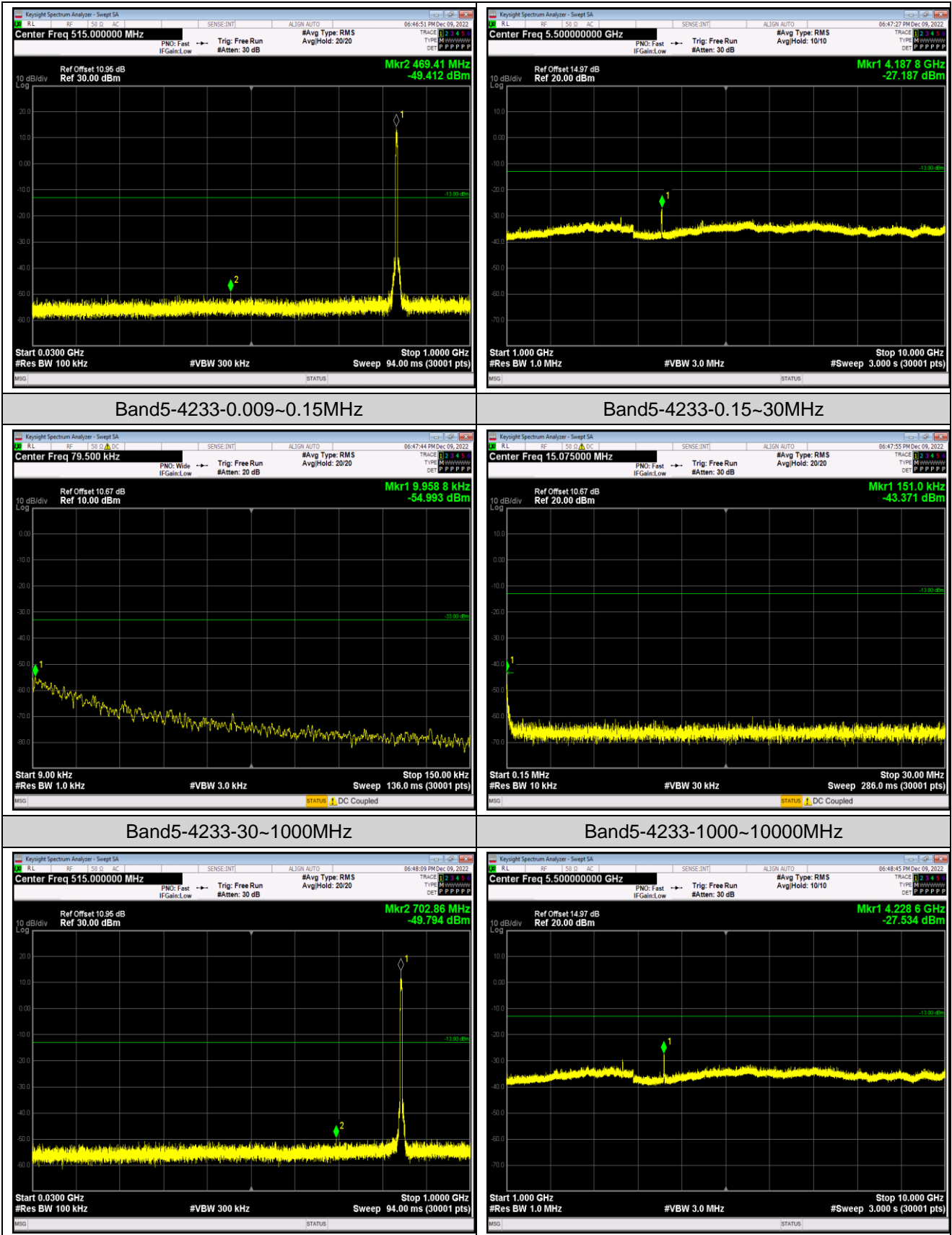
Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz



Band5-4183-1000~10000MHz



## 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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	1.26	0.001506	Within authorized band for BAND V	Pass
	-20	1.17	0.001399		
	-10	0.62	0.000741		
	0	1.57	0.001877		
	10	-0.61	-0.000729		
	20	1.72	0.002056		
	30	1.30	0.001554		
	40	-0.13	-0.000155		
	50	-1.27	-0.001518		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.57	-0.000681	Within authorized band for BAND V	Pass
	3.85	-1.05	-0.001255		
	4.20	0.62	0.000741		
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	6.13	0.003261	Within authorized band for BAND II	Pass
	-20	-2.70	-0.001436		
	-10	1.10	0.000585		
	0	-0.14	-0.000074		
	10	4.31	0.002293		
	20	-8.82	-0.004691		
	30	9.53	0.005069		
	40	-3.17	-0.001686		
	50	0.40	0.000213		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.29	0.000154	Within authorized band for BAND II	Pass
	3.85	0.17	0.000090		
	4.20	2.70	0.001436		
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

