

## 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	22.83	20.83	33.01	PASS
Band2	TestMode	9262	22.87	20.87	33.01	PASS
Band2	TestMode	9400	23.14	21.14	33.01	PASS
Band2	Voice	9400	23.09	21.09	33.01	PASS
Band2	TestMode	9538	23.07	21.07	33.01	PASS
Band2	Voice	9538	23.03	21.03	33.01	PASS
Band4	Voice	1312	22.78	20.78	30.00	PASS
Band4	TestMode	1312	22.87	20.87	30.00	PASS
Band4	Voice	1413	22.95	20.95	30.00	PASS
Band4	TestMode	1413	23.00	21	30.00	PASS
Band4	TestMode	1513	22.94	20.94	30.00	PASS
Band4	Voice	1513	22.91	20.91	30.00	PASS
Band5	Voice	4132	24.08	16.93	38.45	PASS
Band5	TestMode	4132	24.08	16.93	38.45	PASS
Band5	TestMode	4183	24.07	16.92	38.45	PASS
Band5	Voice	4183	24.08	16.93	38.45	PASS
Band5	Voice	4233	24.19	17.04	38.45	PASS
Band5	TestMode	4233	24.18	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	22.91	20.91	33.01	PASS
Band2	9262	2	22.32	20.32	33.01	PASS
Band2	9262	3	22.31	20.31	33.01	PASS
Band2	9262	4	22.34	20.34	33.01	PASS
Band2	9400	1	23.15	21.15	33.01	PASS
Band2	9400	2	22.55	20.55	33.01	PASS
Band2	9400	3	22.55	20.55	33.01	PASS
Band2	9400	4	22.57	20.57	33.01	PASS
Band2	9538	1	23.08	21.08	33.01	PASS
Band2	9538	2	22.47	20.47	33.01	PASS
Band2	9538	3	22.54	20.54	33.01	PASS
Band2	9538	4	22.51	20.51	33.01	PASS

Band4	1312	1	22.86	20.86	30.00	PASS
Band4	1312	2	22.35	20.35	30.00	PASS
Band4	1312	3	22.37	20.37	30.00	PASS
Band4	1312	4	22.32	20.32	30.00	PASS
Band4	1413	1	23.05	21.05	30.00	PASS
Band4	1413	2	22.5	20.5	30.00	PASS
Band4	1413	3	22.53	20.53	30.00	PASS
Band4	1413	4	22.45	20.45	30.00	PASS
Band4	1513	1	22.98	20.98	30.00	PASS
Band4	1513	2	22.41	20.41	30.00	PASS
Band4	1513	3	22.45	20.45	30.00	PASS
Band4	1513	4	22.36	20.36	30.00	PASS
Band5	4132	1	23.11	15.96	38.5	PASS
Band5	4132	2	22.61	15.46	38.5	PASS
Band5	4132	3	22.56	15.41	38.5	PASS
Band5	4132	4	22.59	15.44	38.5	PASS
Band5	4183	1	23.16	16.01	38.5	PASS
Band5	4183	2	22.67	15.52	38.5	PASS
Band5	4183	3	22.61	15.46	38.5	PASS
Band5	4183	4	22.60	15.45	38.5	PASS
Band5	4233	1	23.24	16.09	38.5	PASS
Band5	4233	2	22.73	15.58	38.5	PASS
Band5	4233	3	22.68	15.53	38.5	PASS
Band5	4233	4	22.67	15.52	38.5	PASS

### Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.86	18.86	33.01	PASS
Band2	9262	2	21.38	19.38	33.01	PASS
Band2	9262	3	21.85	19.85	33.01	PASS
Band2	9262	4	20.87	18.87	33.01	PASS
Band2	9262	5	22.83	20.83	33.01	PASS
Band2	9400	1	21.11	19.11	33.01	PASS
Band2	9400	2	21.63	19.63	33.01	PASS
Band2	9400	3	22.08	20.08	33.01	PASS
Band2	9400	4	21.14	19.14	33.01	PASS
Band2	9400	5	23.07	21.07	33.01	PASS
Band2	9538	1	21.06	19.06	33.01	PASS
Band2	9538	2	21.52	19.52	33.01	PASS
Band2	9538	3	22.05	20.05	33.01	PASS

Band2	9538	4	21.08	19.08	33.01	PASS
Band2	9538	5	23.03	21.03	33.01	PASS
Band4	1312	1	20.9	18.9	30.00	PASS
Band4	1312	2	21.39	19.39	30.00	PASS
Band4	1312	3	21.85	19.85	30.00	PASS
Band4	1312	4	20.9	18.9	30.00	PASS
Band4	1312	5	22.85	20.85	30.00	PASS
Band4	1413	1	21.04	19.04	30.00	PASS
Band4	1413	2	21.52	19.52	30.00	PASS
Band4	1413	3	22.03	20.03	30.00	PASS
Band4	1413	4	21.05	19.05	30.00	PASS
Band4	1413	5	23.03	21.03	30.00	PASS
Band4	1513	1	20.96	18.96	30.00	PASS
Band4	1513	2	21.48	19.48	30.00	PASS
Band4	1513	3	21.96	19.96	30.00	PASS
Band4	1513	4	20.98	18.98	30.00	PASS
Band4	1513	5	22.95	20.95	30.00	PASS
Band5	4132	1	21.14	13.99	38.5	PASS
Band5	4132	2	21.66	14.51	38.5	PASS
Band5	4132	3	22.13	14.98	38.5	PASS
Band5	4132	4	21.18	14.03	38.5	PASS
Band5	4132	5	23.13	15.98	38.5	PASS
Band5	4183	1	21.17	14.02	38.5	PASS
Band5	4183	2	21.69	14.54	38.5	PASS
Band5	4183	3	22.18	15.03	38.5	PASS
Band5	4183	4	21.26	14.11	38.5	PASS
Band5	4183	5	23.15	16	38.5	PASS
Band5	4233	1	21.28	14.13	38.5	PASS
Band5	4233	2	21.78	14.63	38.5	PASS
Band5	4233	3	22.24	15.09	38.5	PASS
Band5	4233	4	21.31	14.16	38.5	PASS
Band5	4233	5	23.25	16.1	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)

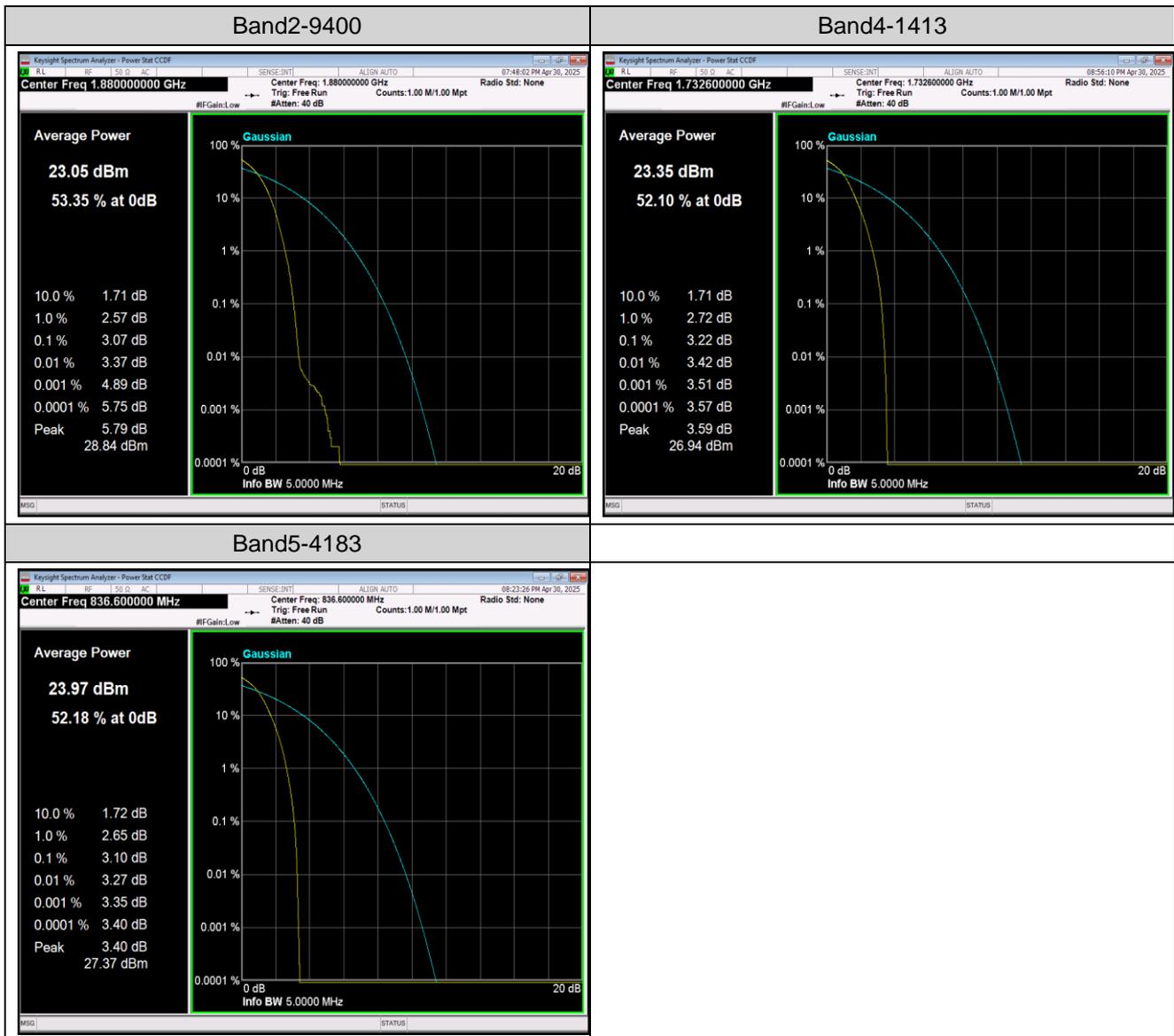
## Appendix B: Peak-to-Average Ratio

### Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.07	13	PASS
Band4	1413	3.22	13	PASS
Band5	4183	3.1	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	4.1744	4.734	---	PASS
Band2	9400	4.1663	5.019	---	PASS
Band2	9538	4.1615	4.694	---	PASS
Band4	1312	4.1746	4.695	---	PASS
Band4	1413	4.1718	4.688	---	PASS
Band4	1513	4.1665	4.685	---	PASS
Band5	4132	4.1722	4.692	---	PASS
Band5	4183	4.1706	4.696	---	PASS
Band5	4233	4.1658	4.683	---	PASS

## Test Graphs(WCDMA)

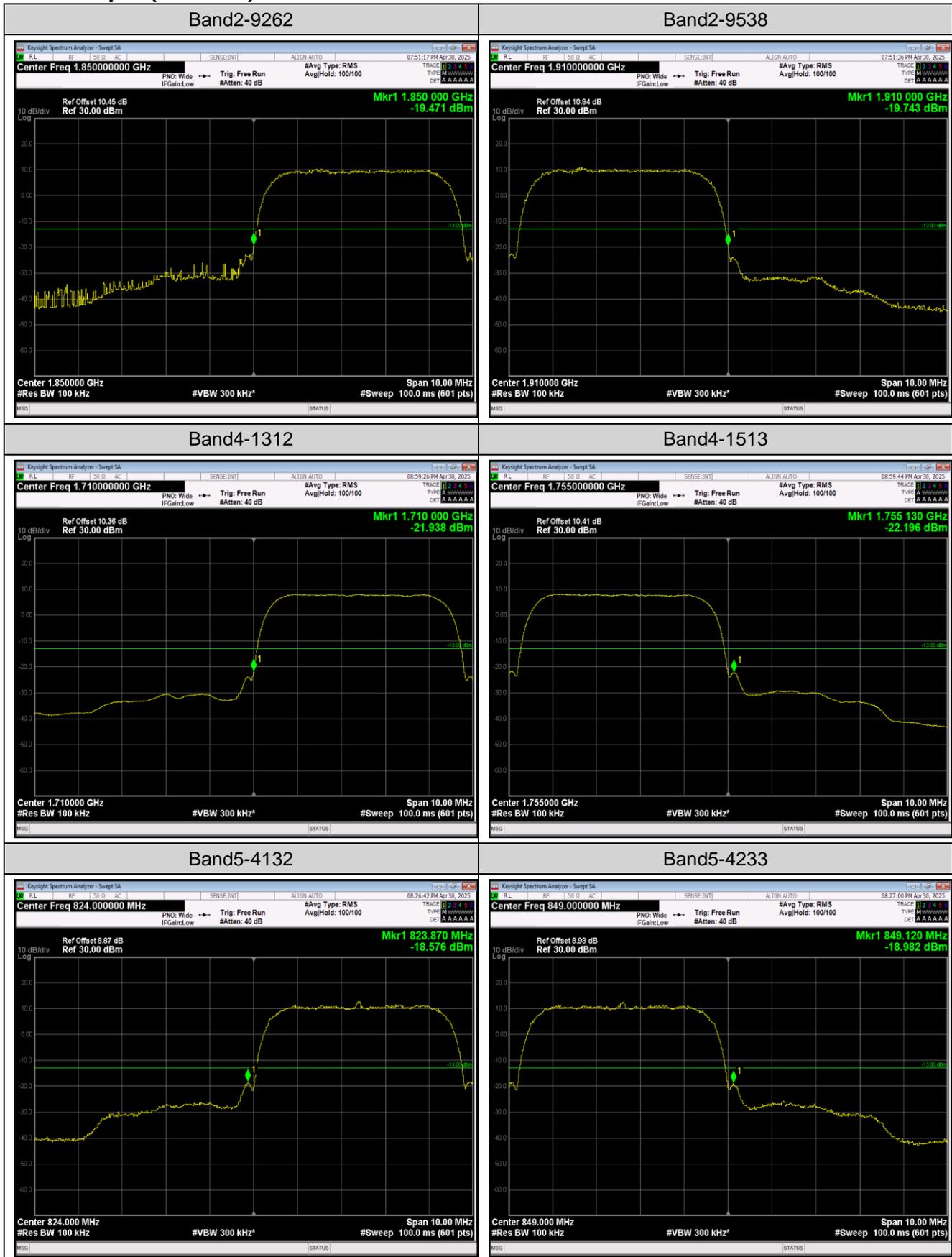




**AppendixD:Band Edge****Test Result(WCDMA)**

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.47	-13	PASS
Band2	9538	1910.00	-19.74	-13	PASS
Band4	1312	1710.00	-21.94	-13	PASS
Band4	1513	1755.13	-22.20	-13	PASS
Band5	4132	823.87	-18.58	-13	PASS
Band5	4233	849.12	-18.98	-13	PASS

## Test Graphs(WCDMA)

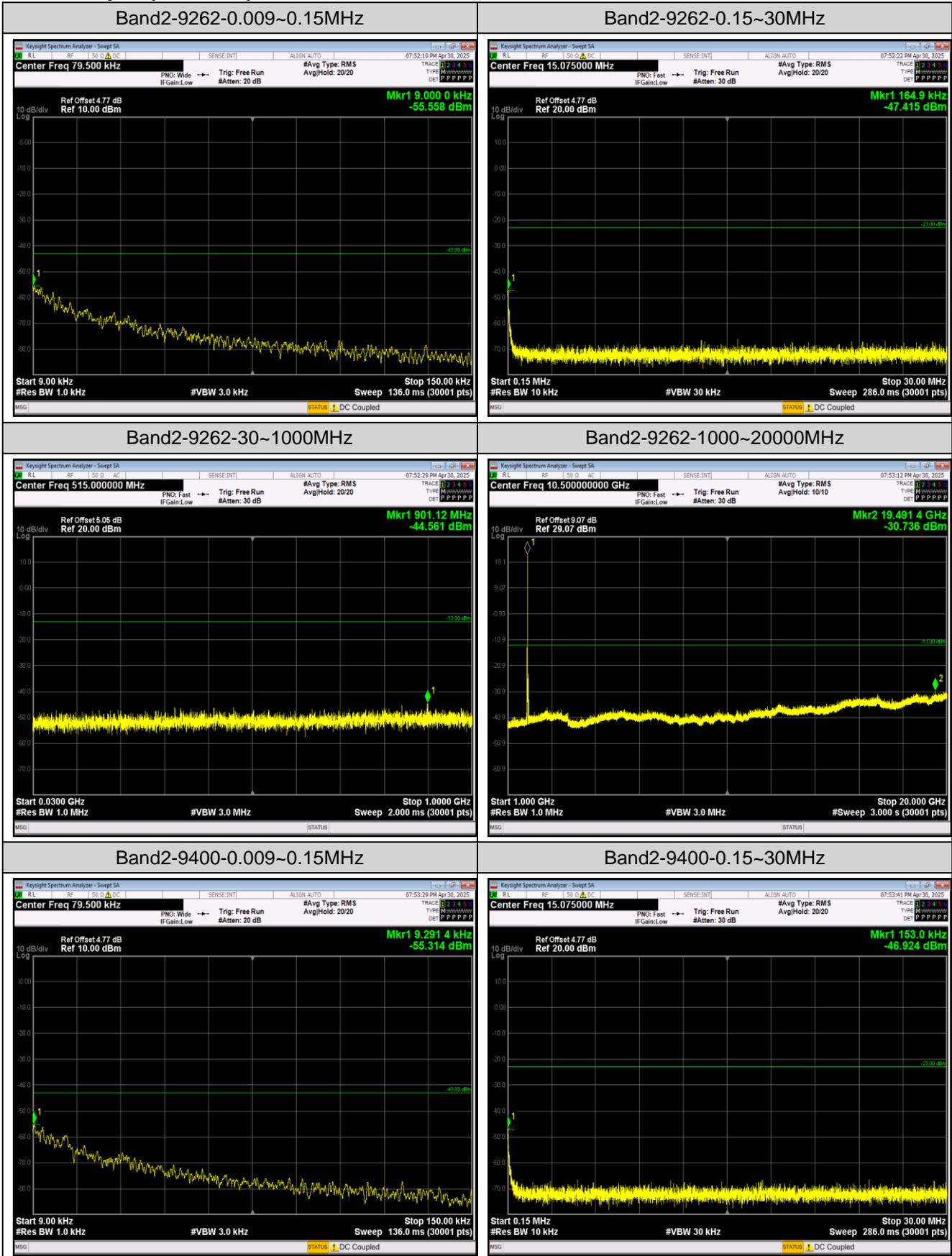


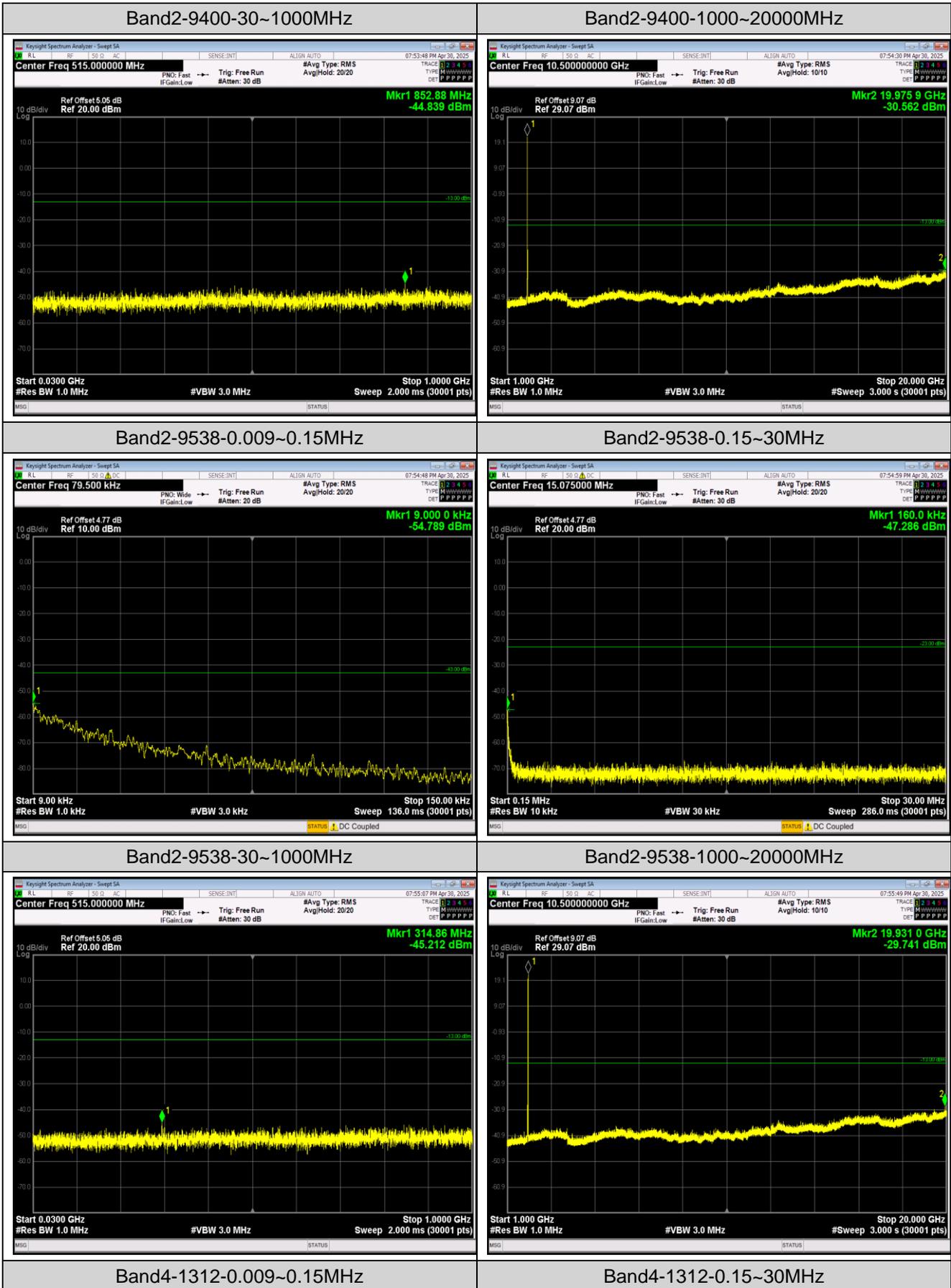
## Appendix E: Conducted Spurious Emission

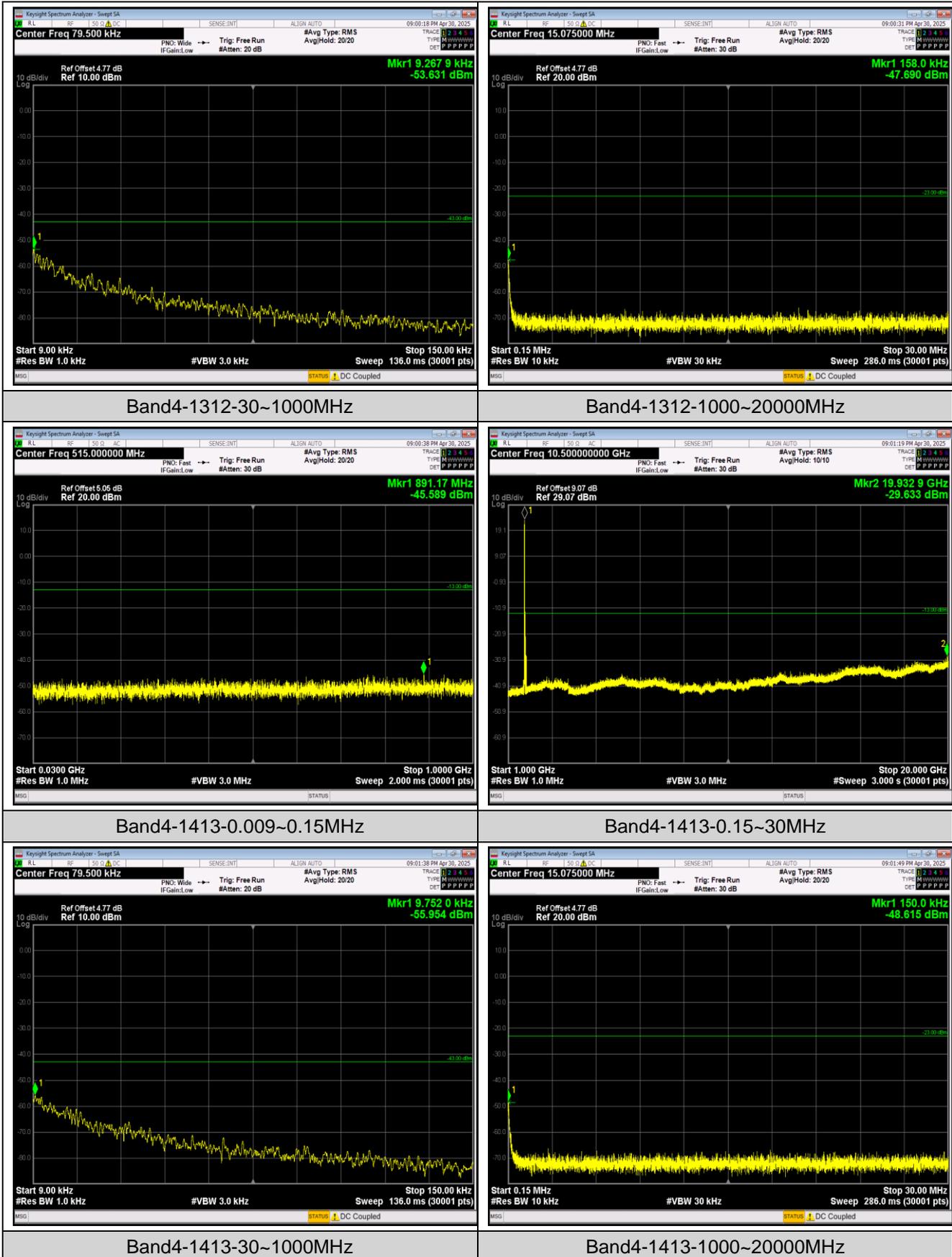
### Test Result (WCDMA)

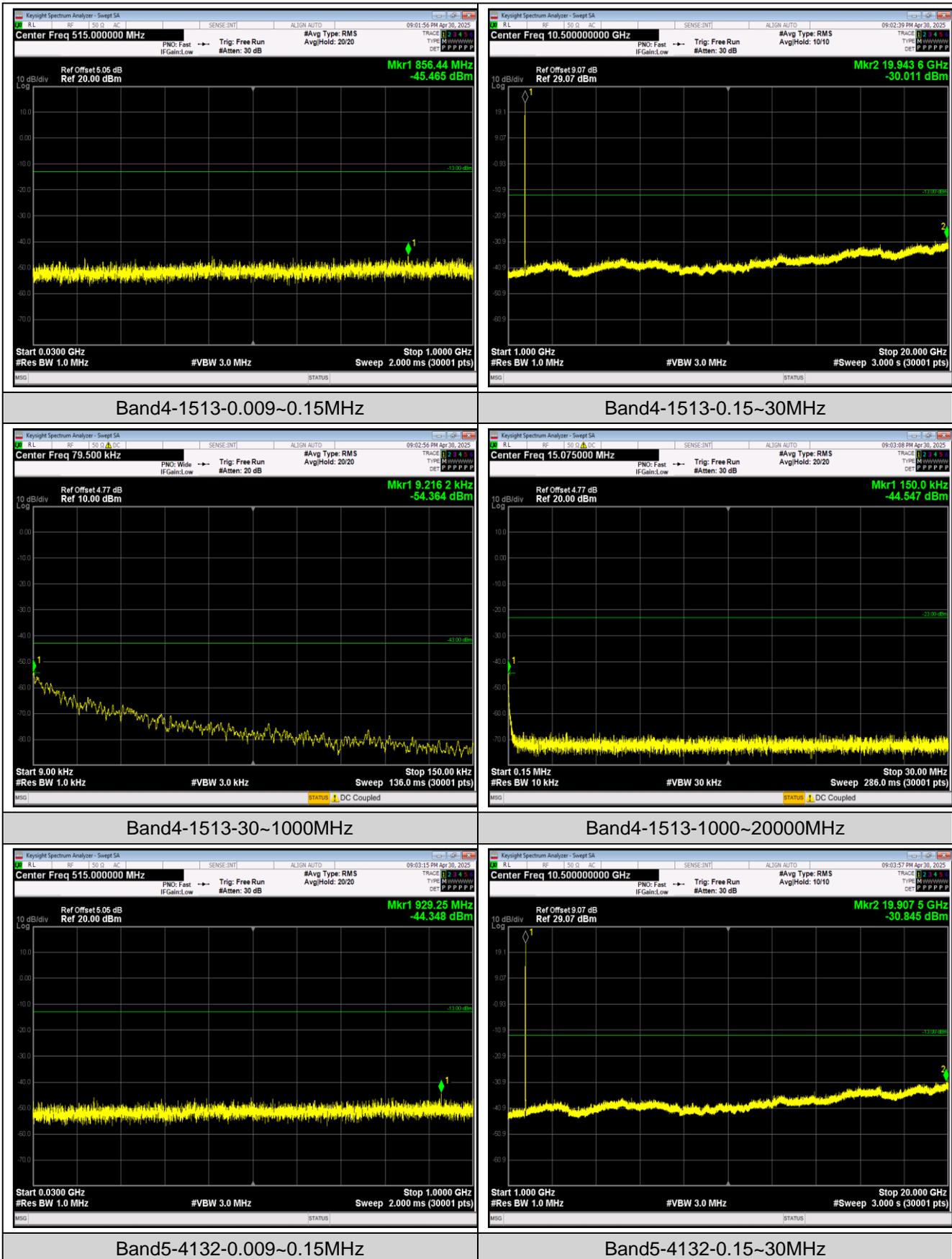
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.56	-43	PASS
Band2	9262	0.15~30MHz	0.16	-47.42	-23	PASS
Band2	9262	30~1000MHz	901.12	-44.56	-13	PASS
Band2	9262	1000~20000MHz	19491.43	-30.74	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.31	-43	PASS
Band2	9400	0.15~30MHz	0.15	-46.92	-23	PASS
Band2	9400	30~1000MHz	852.88	-44.84	-13	PASS
Band2	9400	1000~20000MHz	19975.93	-30.56	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.79	-43	PASS
Band2	9538	0.15~30MHz	0.16	-47.29	-23	PASS
Band2	9538	30~1000MHz	314.86	-45.21	-13	PASS
Band2	9538	1000~20000MHz	19930.97	-29.74	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-53.63	-43	PASS
Band4	1312	0.15~30MHz	0.16	-47.69	-23	PASS
Band4	1312	30~1000MHz	891.17	-45.59	-13	PASS
Band4	1312	1000~20000MHz	19932.87	-29.63	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.95	-43	PASS
Band4	1413	0.15~30MHz	0.15	-48.62	-23	PASS
Band4	1413	30~1000MHz	856.44	-45.47	-13	PASS
Band4	1413	1000~20000MHz	19943.63	-30.01	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-54.36	-43	PASS
Band4	1513	0.15~30MHz	0.15	-44.55	-23	PASS
Band4	1513	30~1000MHz	929.25	-44.35	-13	PASS
Band4	1513	1000~20000MHz	19907.53	-30.85	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.23	-33	PASS
Band5	4132	0.15~30MHz	0.15	-45.76	-13	PASS
Band5	4132	30~1000MHz	948.11	-55.11	-13	PASS
Band5	4132	1000~10000MHz	5365	-36.51	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.29	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.04	-13	PASS
Band5	4183	30~1000MHz	986.81	-54.01	-13	PASS
Band5	4183	1000~10000MHz	7332.7	-36.23	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.3	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.6	-13	PASS
Band5	4233	30~1000MHz	718.6	-54.42	-13	PASS
Band5	4233	1000~10000MHz	5969.5	-37.07	-13	PASS

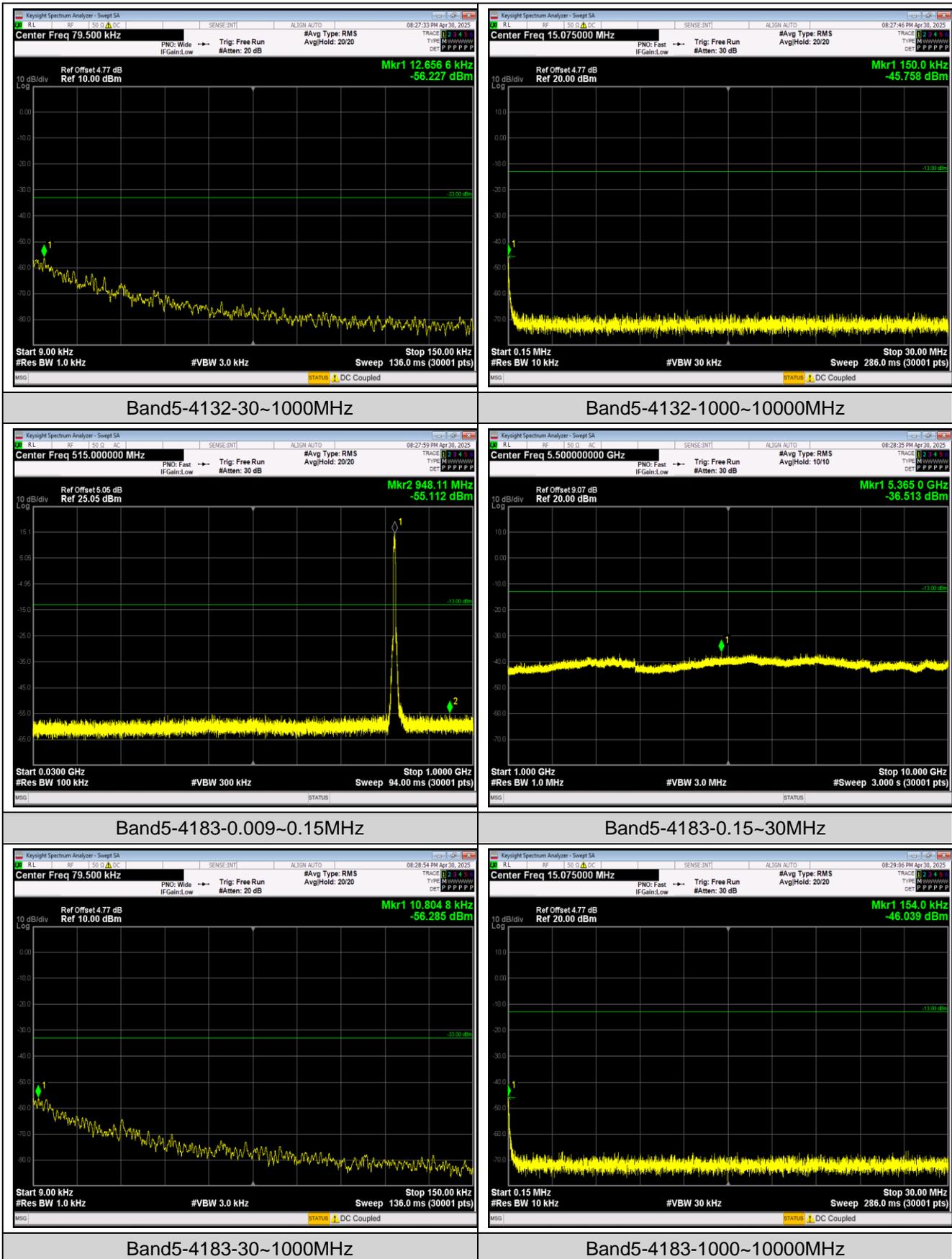
## Test Graphs(WCDMA)

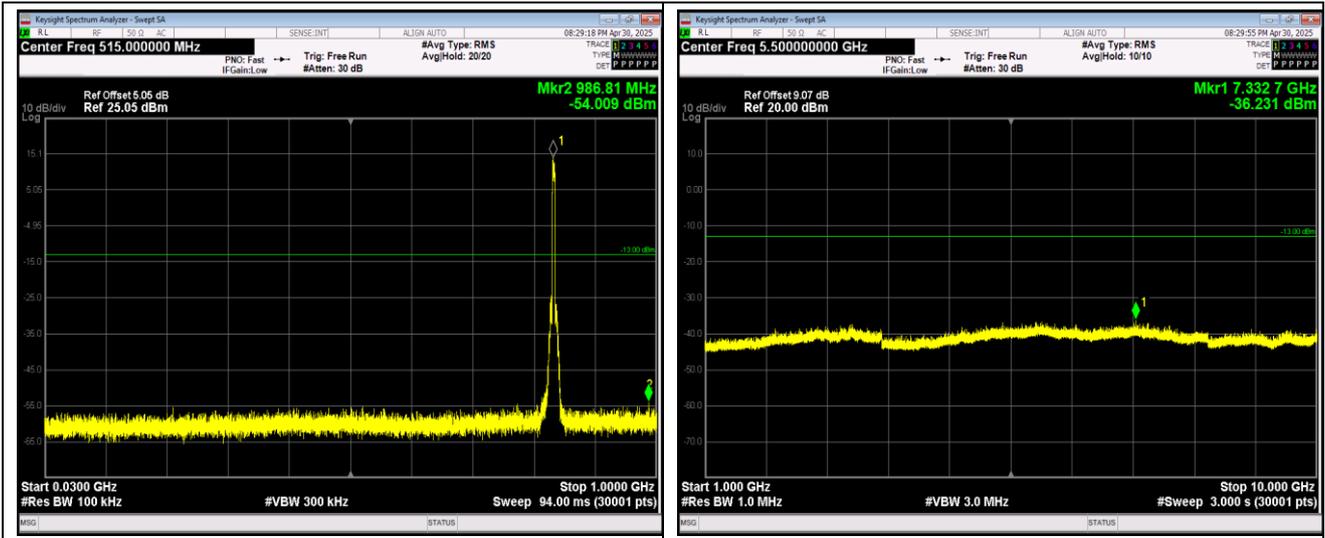






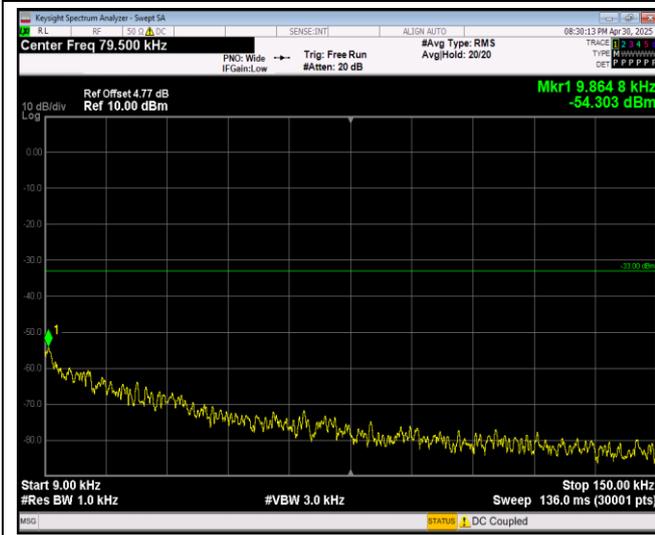




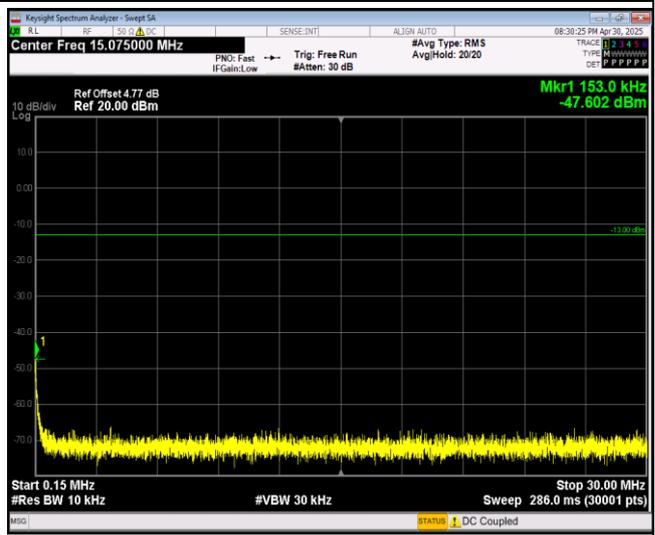


Band5-4233-0.009~0.15MHz

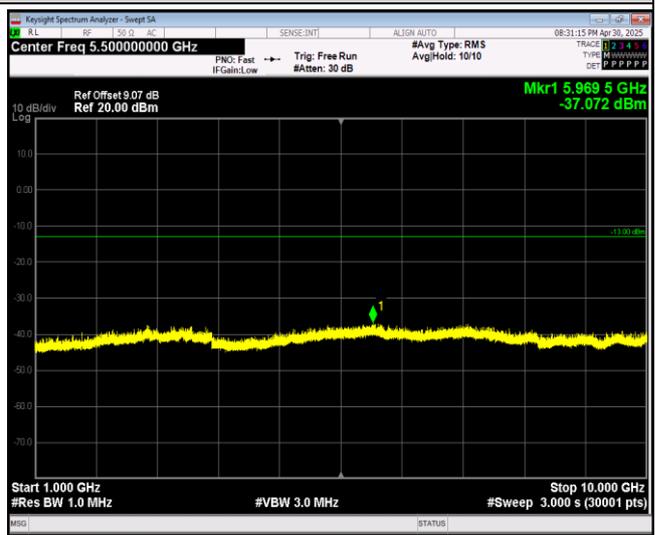
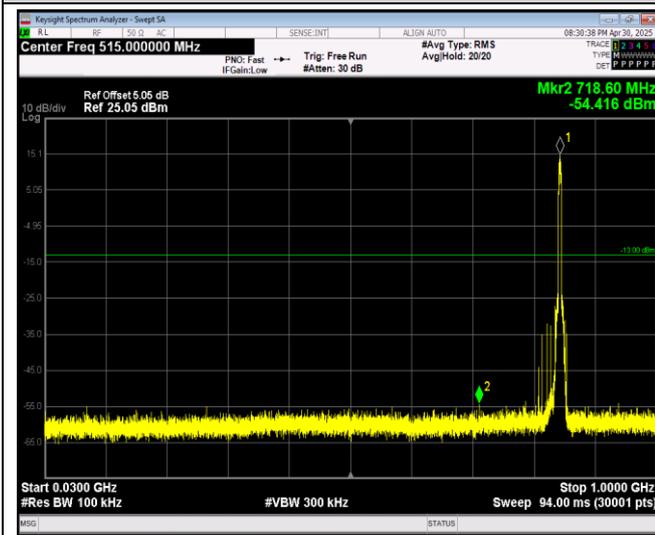
Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



## 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		
3.91	-30	-12.63	-0.015097	±2.5	Pass
	-20	-10.24	-0.012240		
	-10	-11.51	-0.013758		
	0	-12.31	-0.014714		
	10	-11.17	-0.013352		
	20	-11.06	-0.013220		
	30	-12.68	-0.015157		
	40	-11.94	-0.014272		
	50	-8.71	-0.010411		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-12.73	-0.015216	±2.5	Pass
	3.91	-12.85	-0.015360		
	4.50	-13.51	-0.016149		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-12.57	-0.007255	Within authorized band for BAND IV	Pass
	-20	-15.75	-0.009090		
	-10	-11.45	-0.006609		
	0	-16.19	-0.009344		
	10	-13.12	-0.007572		
	20	-16.03	-0.009252		
	30	-12.26	-0.007076		
	40	-12.77	-0.007370		
	50	-12.28	-0.007088		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-15.29	-0.008825	Within authorized band for BAND IV	Pass
	3.91	-16.50	-0.009523		
	4.50	-14.87	-0.008582		
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		
3.91	-30	-13.02	-0.006926	Within authorized band for BAND II	Pass
	-20	-14.42	-0.007670		
	-10	-12.89	-0.006856		
	0	-13.58	-0.007223		
	10	-14.28	-0.007596		
	20	-14.49	-0.007707		
	30	-14.55	-0.007739		
	40	-13.65	-0.007261		
	50	-9.11	-0.004846		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-17.08	-0.009085	Within authorized band for BAND II	Pass
	3.91	-16.24	-0.008638		
	4.50	-14.33	-0.007622		
<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
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

