

## 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	22.33	22.63	33	PASS
Band2	TestMode	9262	22.39	22.69	33	PASS
Band2	Voice	9400	22.59	22.89	33	PASS
Band2	TestMode	9400	22.61	22.91	33	PASS
Band2	Voice	9538	22.55	22.85	33	PASS
Band2	TestMode	9538	22.58	22.88	33	PASS
Band5	Voice	4132	23.03	20.93	38.5	PASS
Band5	TestMode	4132	23.05	20.95	38.5	PASS
Band5	Voice	4183	23.06	20.96	38.5	PASS
Band5	TestMode	4183	23.07	20.97	38.5	PASS
Band5	Voice	4233	23.11	21.01	38.5	PASS
Band5	TestMode	4233	23.12	21.02	38.5	PASS

### Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.76	22.06	33	PASS
Band2	9262	2	21.57	21.87	33	PASS
Band2	9262	3	21.35	21.65	33	PASS
Band2	9262	4	21.36	21.66	33	PASS
Band2	9400	1	21.91	22.21	33	PASS
Band2	9400	2	21.73	22.03	33	PASS
Band2	9400	3	21.48	21.78	33	PASS
Band2	9400	4	21.55	21.85	33	PASS
Band2	9538	1	21.99	22.29	33	PASS
Band2	9538	2	21.58	21.88	33	PASS
Band2	9538	3	21.39	21.69	33	PASS
Band2	9538	4	21.89	22.19	33	PASS
Band5	4132	1	22.00	19.9	38.5	PASS
Band5	4132	2	21.74	19.64	38.5	PASS
Band5	4132	3	21.36	19.26	38.5	PASS
Band5	4132	4	21.37	19.27	38.5	PASS
Band5	4183	1	21.93	19.83	38.5	PASS
Band5	4183	2	21.66	19.56	38.5	PASS

Band5	4183	3	21.31	19.21	38.5	PASS
Band5	4183	4	21.36	19.26	38.5	PASS
Band5	4233	1	21.92	19.82	38.5	PASS
Band5	4233	2	21.65	19.55	38.5	PASS
Band5	4233	3	21.32	19.22	38.5	PASS
Band5	4233	4	21.37	19.27	38.5	PASS

**Test Result(HSUPA)**

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.75	20.05	33	PASS
Band2	9262	2	20.19	20.49	33	PASS
Band2	9262	3	19.76	20.06	33	PASS
Band2	9262	4	20.04	20.34	33	PASS
Band2	9262	5	22.09	22.39	33	PASS
Band2	9400	1	19.92	20.22	33	PASS
Band2	9400	2	20.31	20.61	33	PASS
Band2	9400	3	19.86	20.16	33	PASS
Band2	9400	4	20.10	20.4	33	PASS
Band2	9400	5	22.27	22.57	33	PASS
Band2	9538	1	19.77	20.07	33	PASS
Band2	9538	2	20.19	20.49	33	PASS
Band2	9538	3	19.75	20.05	33	PASS
Band2	9538	4	20.03	20.33	33	PASS
Band2	9538	5	22.17	22.47	33	PASS
Band5	4132	1	20.46	18.36	38.5	PASS
Band5	4132	2	20.56	18.46	38.5	PASS
Band5	4132	3	20.08	17.98	38.5	PASS
Band5	4132	4	20.11	18.01	38.5	PASS
Band5	4132	5	21.92	19.82	38.5	PASS
Band5	4183	1	20.57	18.47	38.5	PASS
Band5	4183	2	20.68	18.58	38.5	PASS
Band5	4183	3	20.19	18.09	38.5	PASS
Band5	4183	4	19.98	17.88	38.5	PASS
Band5	4183	5	21.85	19.75	38.5	PASS
Band5	4233	1	20.45	18.35	38.5	PASS
Band5	4233	2	20.52	18.42	38.5	PASS
Band5	4233	3	20.08	17.98	38.5	PASS
Band5	4233	4	19.97	17.87	38.5	PASS
Band5	4233	5	21.85	19.75	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)

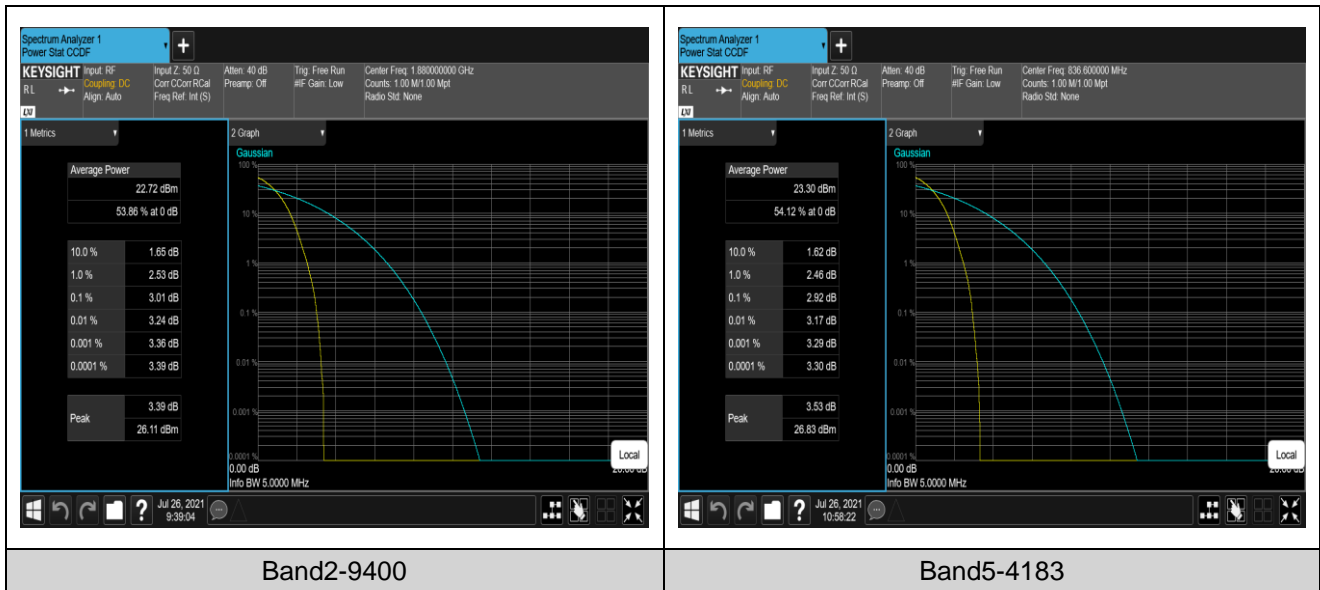
## AppendixB:Peak-to-Average Ratio

### Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.01	13	PASS
Band5	4183	2.92	13	PASS

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

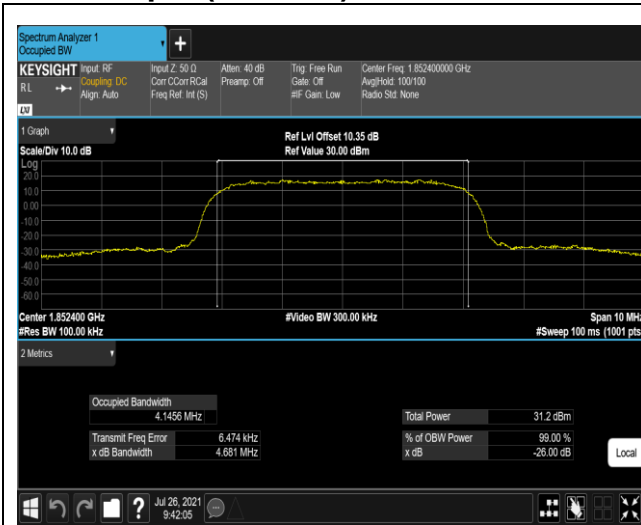
### Test Graphs(WCDMA)



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

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	9262	4.1456	4.681	PASS
Band2	9400	4.1409	4.660	PASS
Band2	9538	4.1430	4.683	PASS
Band5	4132	4.1461	4.670	PASS
Band5	4183	4.1425	4.669	PASS
Band5	4233	4.1444	4.696	PASS

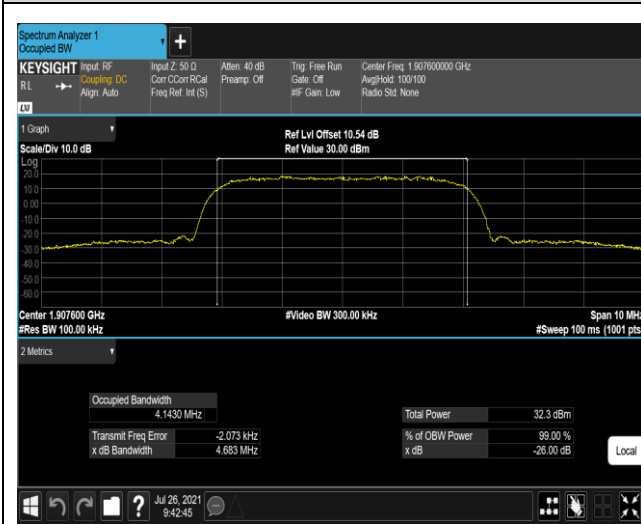
### Test Graphs(WCDMA)



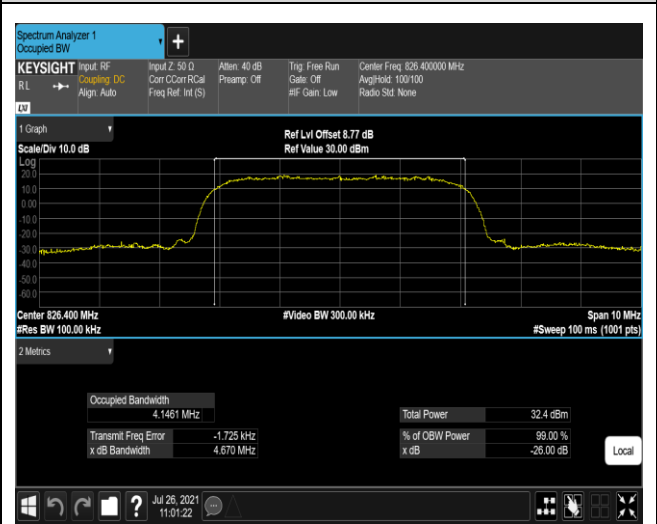
Band2-9262-4.681



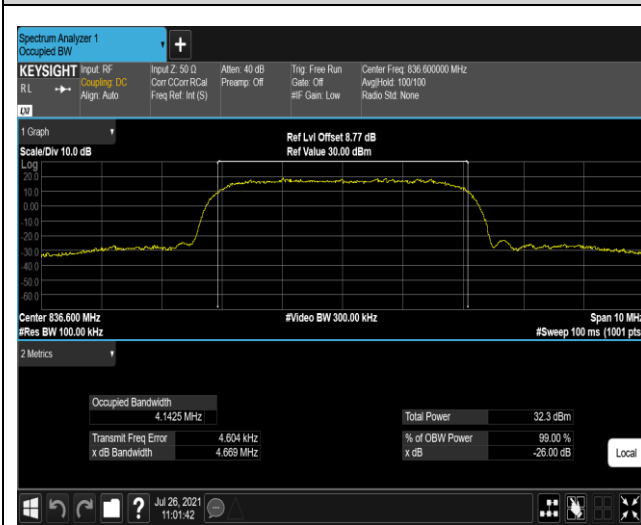
Band2-9400-4.660



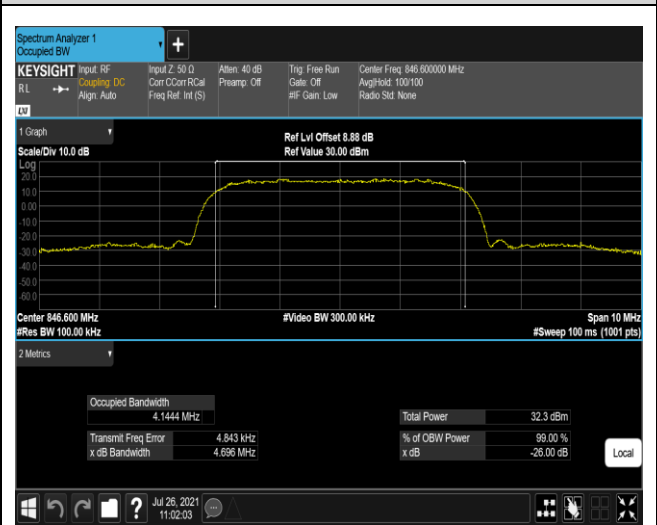
Band2-9538-4.683



Band5-4132-4.670



Band5-4183-4.669



Band5-4233-4.696



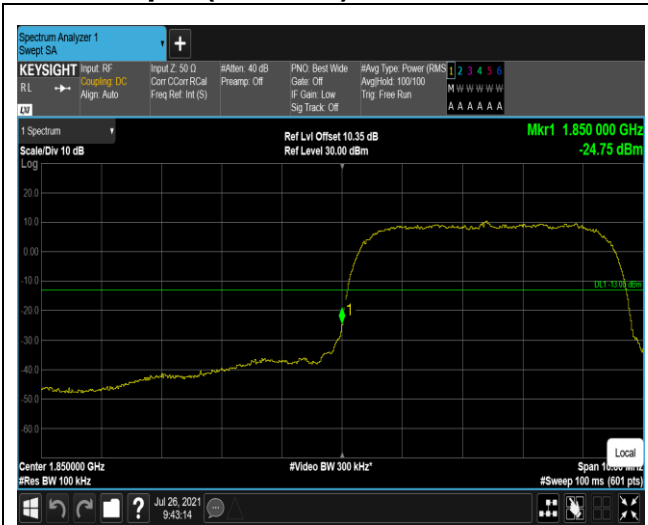
## AppendixD:Band Edge

### Test Result(WCDMA)

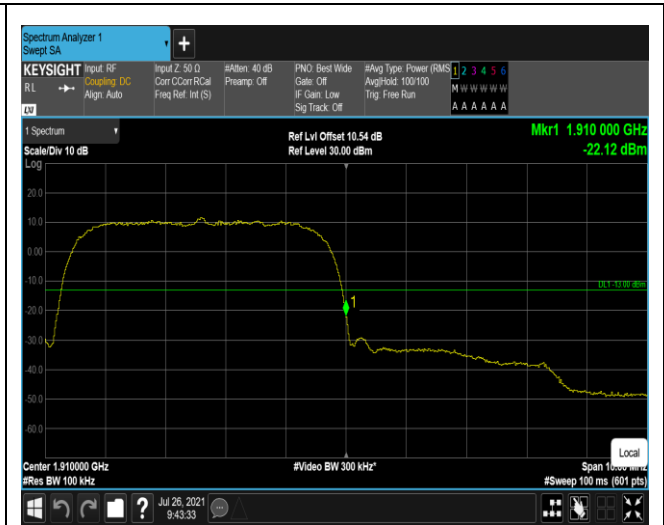
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-24.75	-13	PASS
Band2	9538	1910.00	-22.12	-13	PASS
Band5	4132	824.00	-22.98	-13	PASS
Band5	4233	849.00	-22.14	-13	PASS



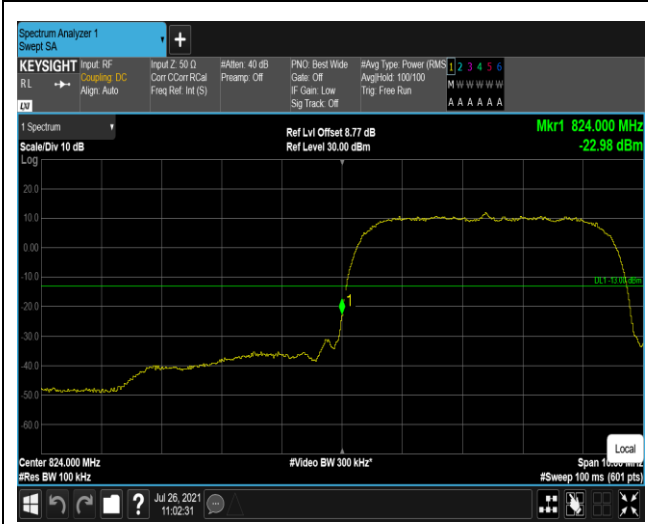
Test Graphs(WCDMA)



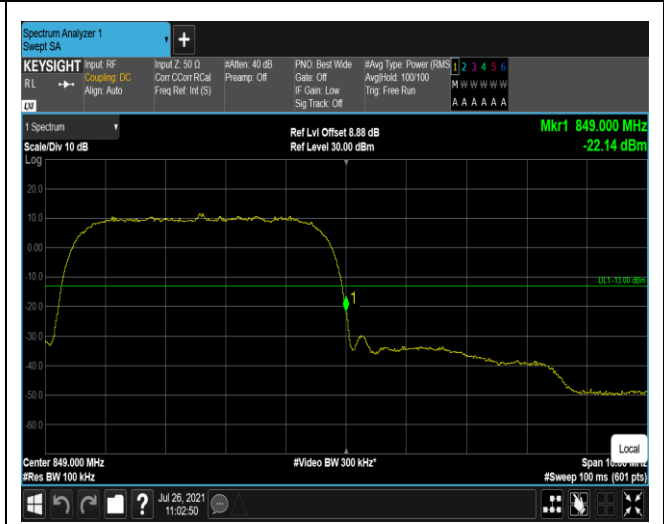
Band2-9262



Band2-9538



Band5-4132



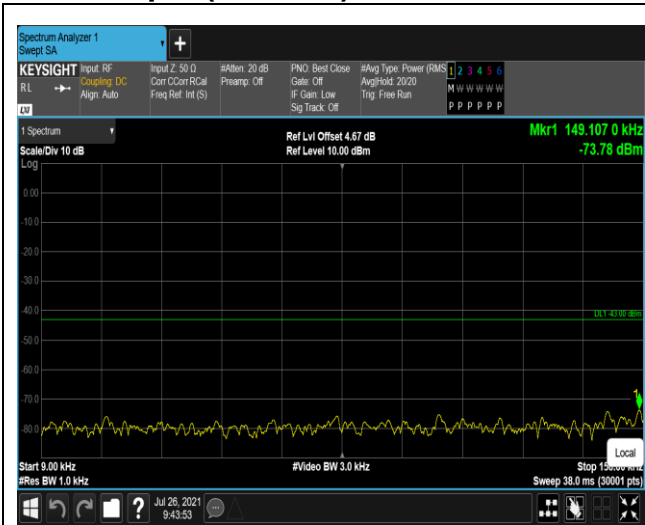
Band5-4233

## Appendix E: Conducted Spurious Emission

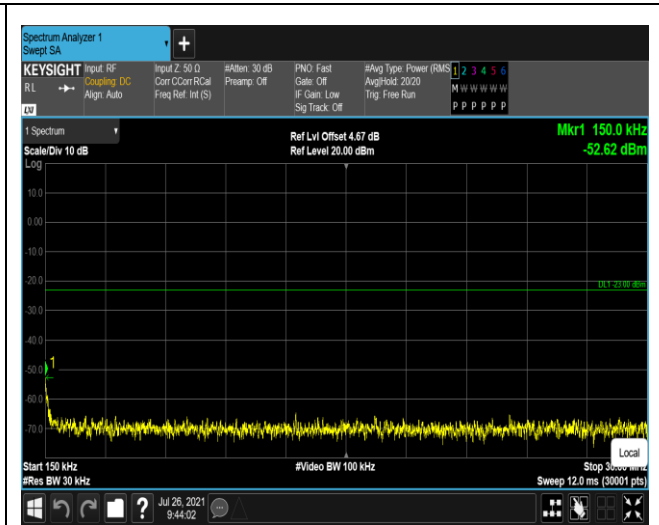
### Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.15	-73.78	-43	PASS
Band2	9262	0.15~30MHz	0.15	-52.62	-23	PASS
Band2	9262	30~1000MHz	911.57	-47.6	-13	PASS
Band2	9262	1000~20000MHz	19894.87	-34.35	-13	PASS
Band2	9400	0.009~0.15MHz	0.14	-75.28	-43	PASS
Band2	9400	0.15~30MHz	0.18	-53.94	-23	PASS
Band2	9400	30~1000MHz	815.02	-47.82	-13	PASS
Band2	9400	1000~20000MHz	19863.83	-34.67	-13	PASS
Band2	9538	0.009~0.15MHz	0.04	-75.79	-43	PASS
Band2	9538	0.15~30MHz	0.15	-55.07	-23	PASS
Band2	9538	30~1000MHz	910.31	-47.34	-13	PASS
Band2	9538	1000~20000MHz	19820.13	-34.87	-13	PASS
Band5	4132	0.009~0.15MHz	0.14	-74.86	-33	PASS
Band5	4132	0.15~30MHz	0.15	-54.94	-13	PASS
Band5	4132	30~1000MHz	963.95	-55.74	-13	PASS
Band5	4132	1000~10000MHz	4915.3	-35.04	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-74.79	-33	PASS
Band5	4183	0.15~30MHz	0.2	-52.86	-13	PASS
Band5	4183	30~1000MHz	939.12	-57.05	-13	PASS
Band5	4183	1000~10000MHz	4989.7	-35.61	-13	PASS
Band5	4233	0.009~0.15MHz	0.14	-74.96	-33	PASS
Band5	4233	0.15~30MHz	0.15	-52.12	-13	PASS
Band5	4233	30~1000MHz	980.73	-57.65	-13	PASS
Band5	4233	1000~10000MHz	3993.7	-35.59	-13	PASS

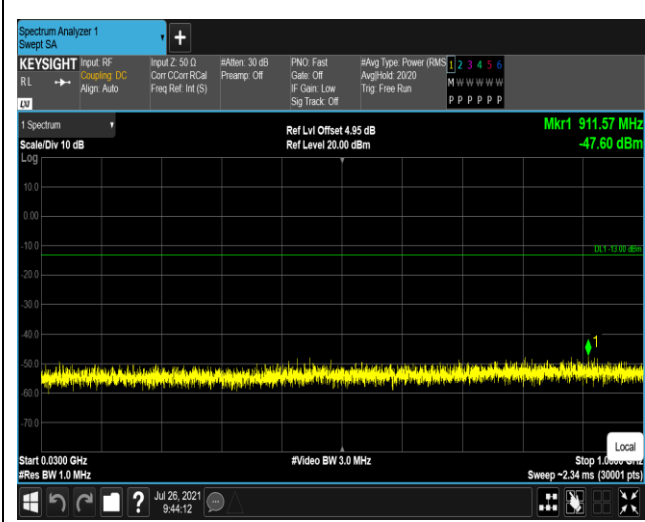
Test Graphs(WCDMA)



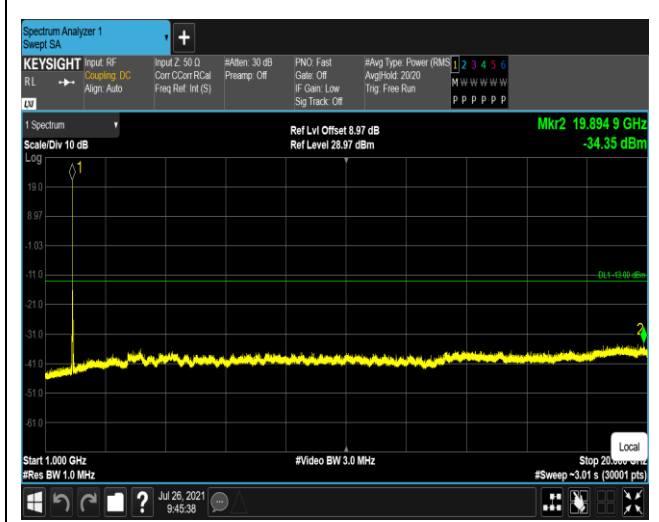
Band2-9262-0.009~0.15MHz



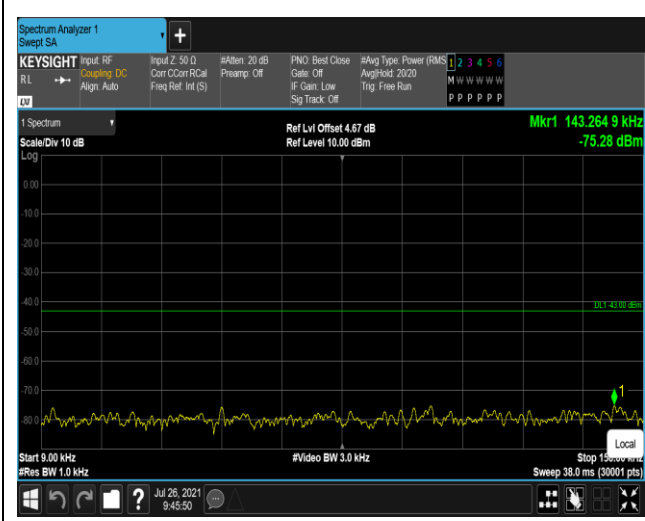
Band2-9262-0.15~30MHz



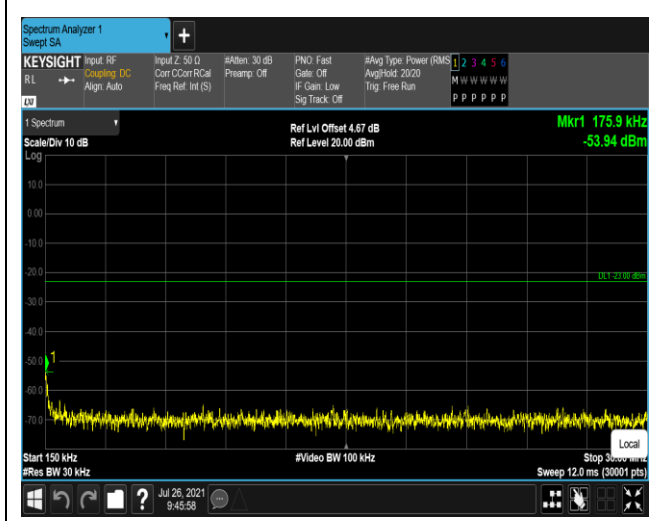
Band2-9262-30~1000MHz



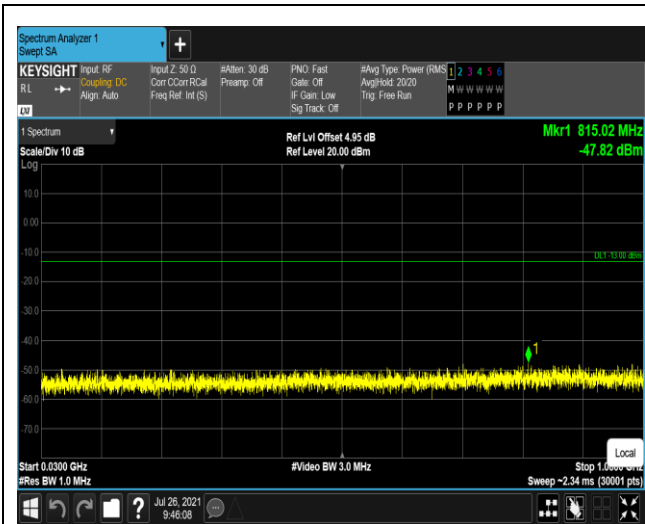
Band2-9262-1000~20000MHz



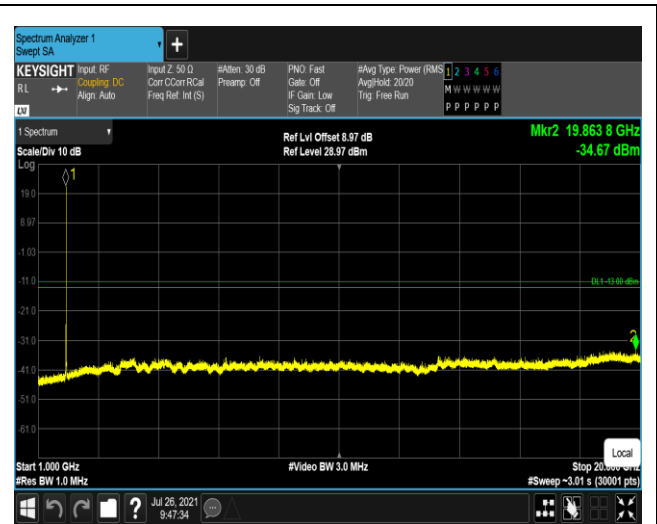
Band2-9400-0.009~0.15MHz



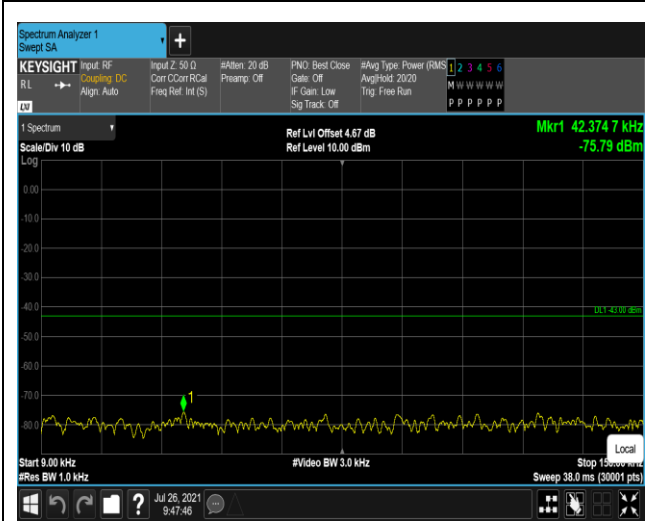
Band2-9400-0.15~30MHz



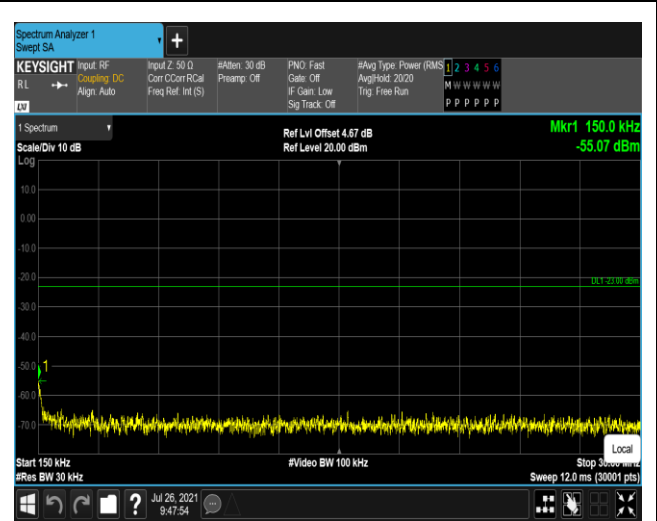
Band2-9400-30~1000MHz



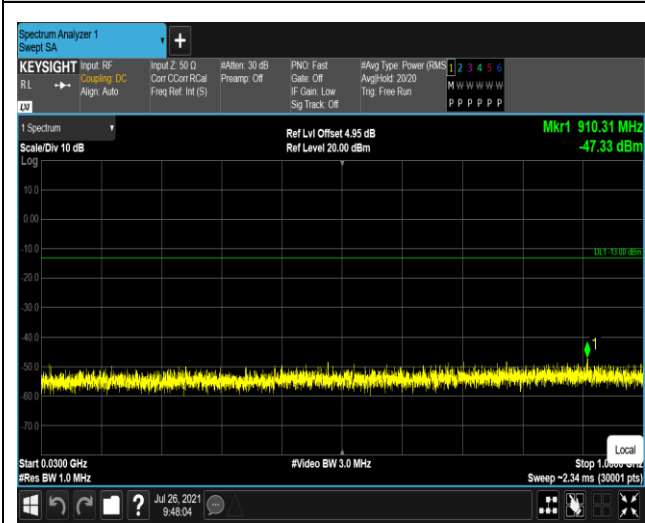
Band2-9400-1000~20000MHz



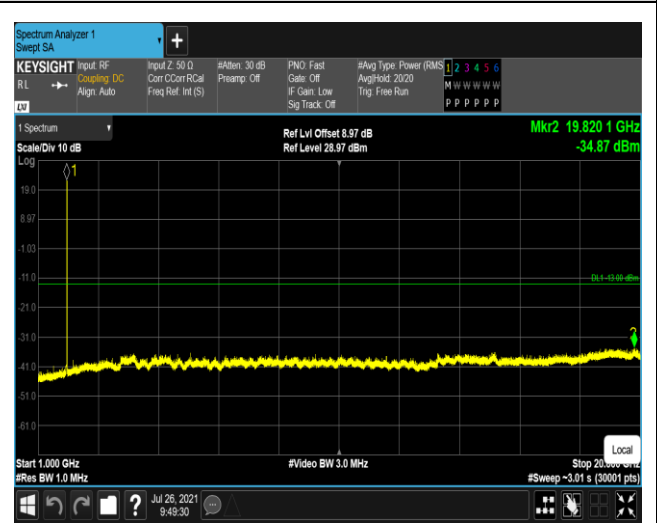
Band2-9538-0.009~0.15MHz



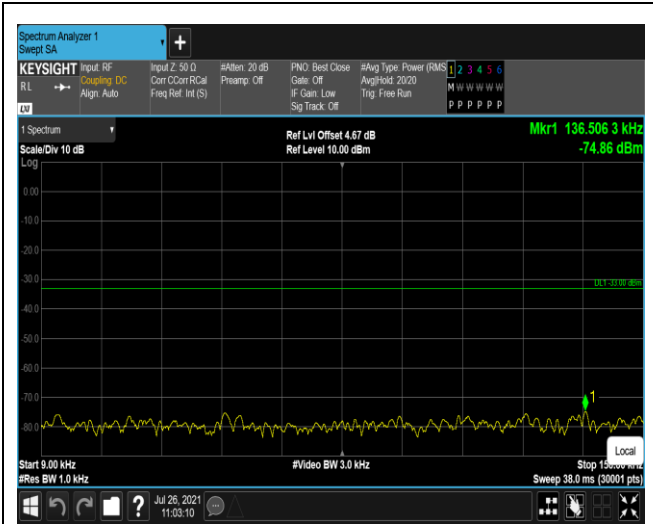
Band2-9538-0.15~30MHz



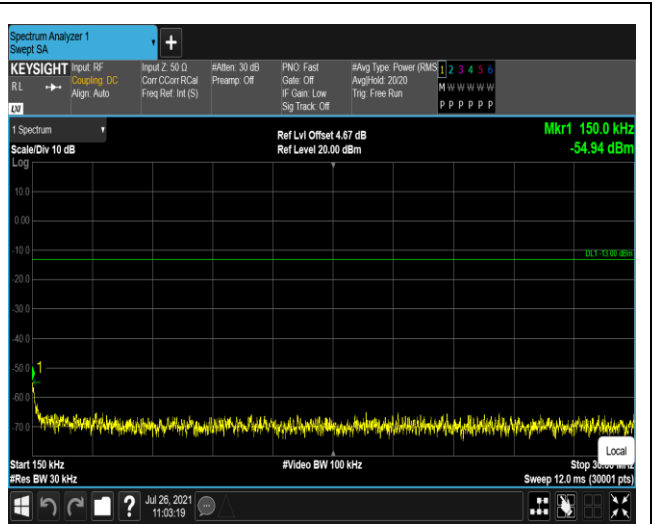
Band2-9538-30~1000MHz



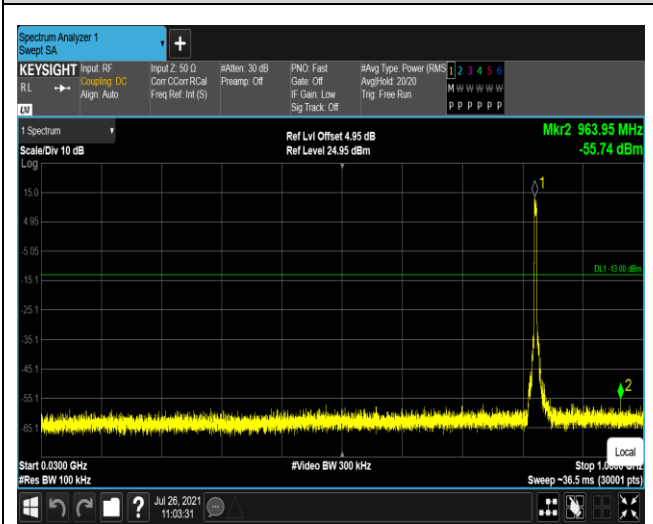
Band2-9538-1000~20000MHz



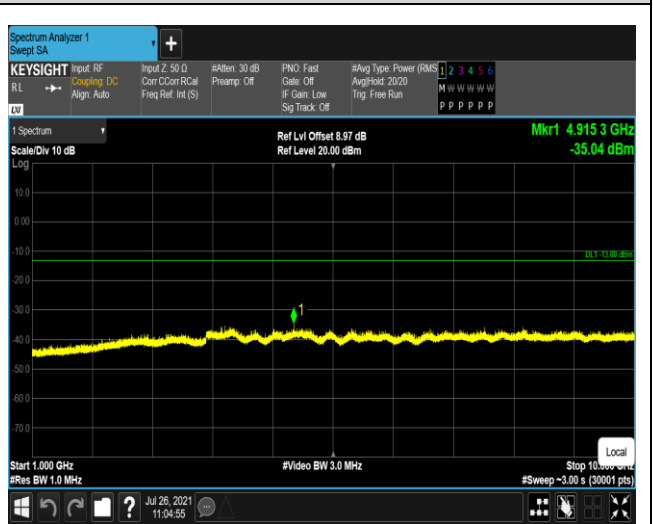
Band5-4132-0.009~0.15MHz



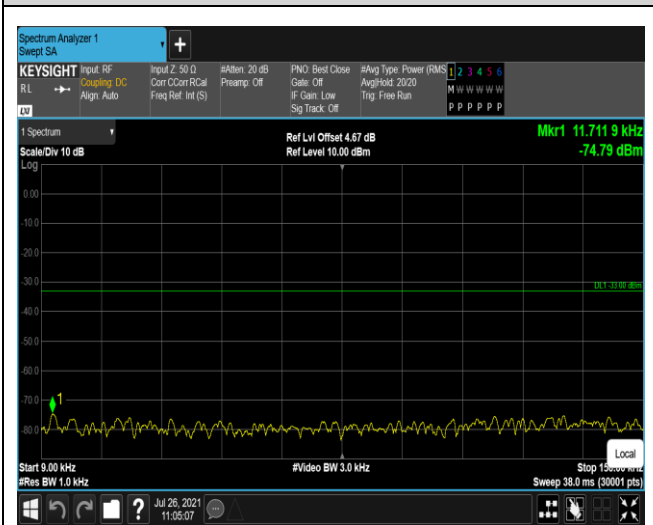
Band5-4132-0.15~30MHz



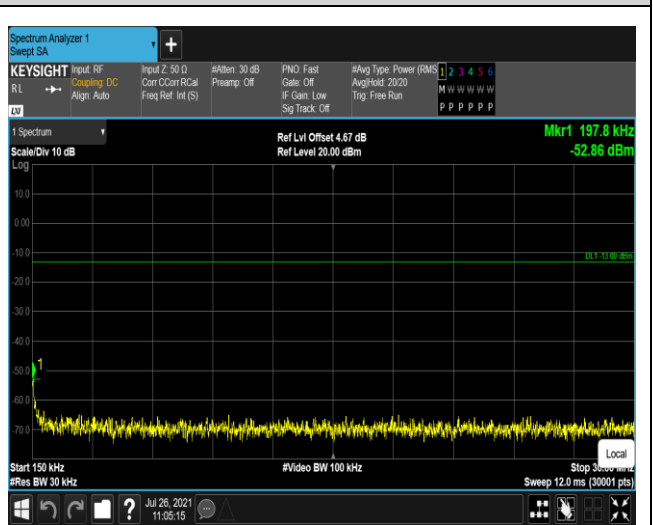
Band5-4132-30~1000MHz



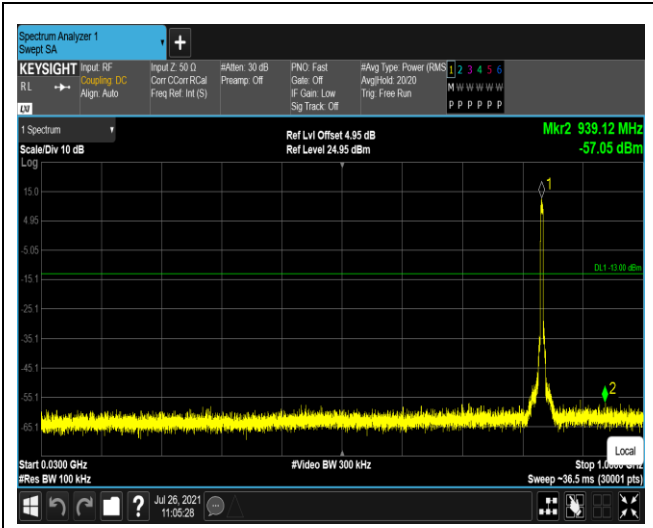
Band5-4132-1000~10000MHz



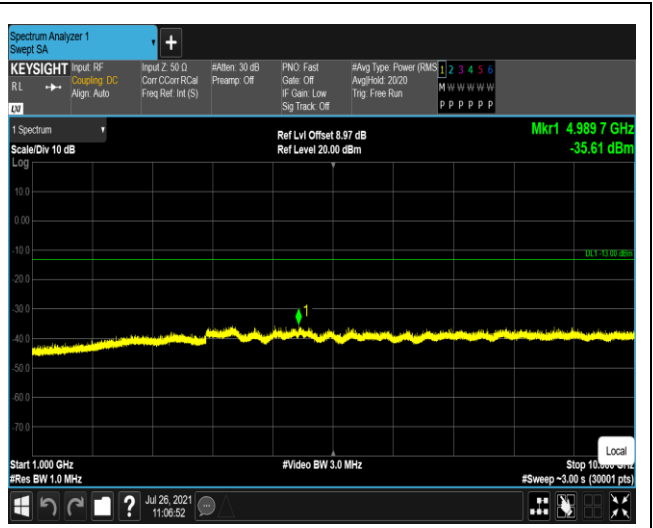
Band5-4183-0.009~0.15MHz



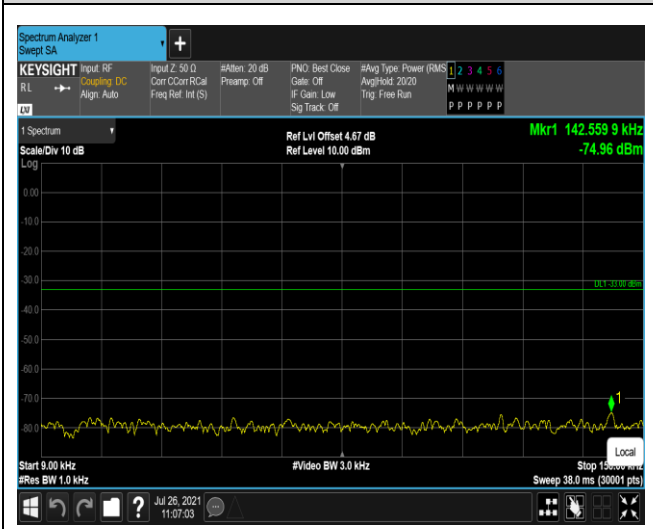
Band5-4183-0.15~30MHz



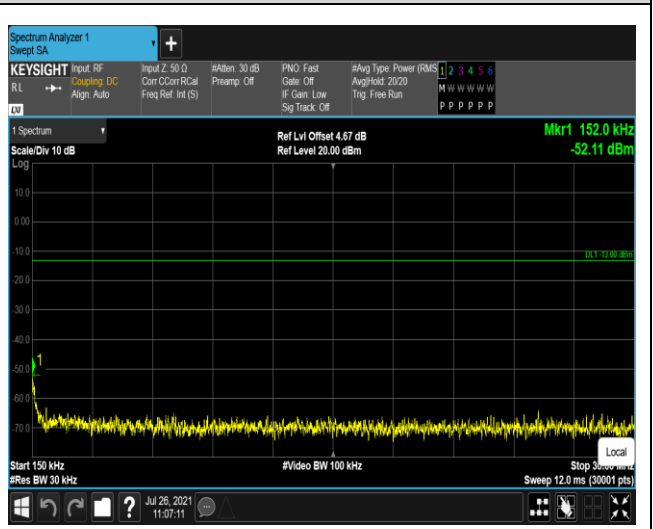
Band5-4183-30~1000MHz



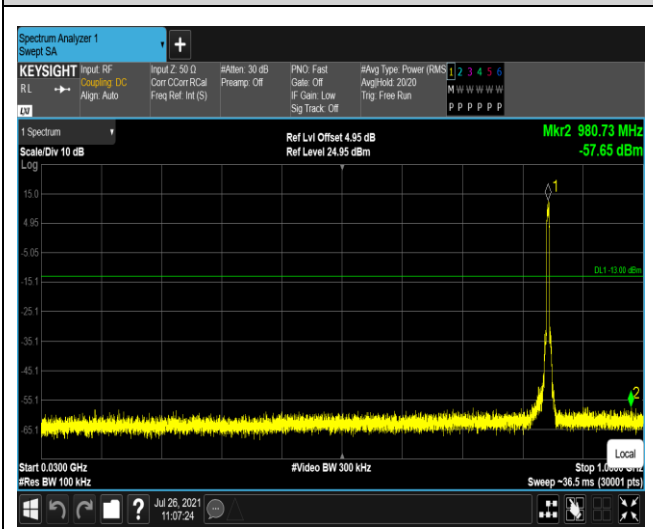
Band5-4183-1000~10000MHz



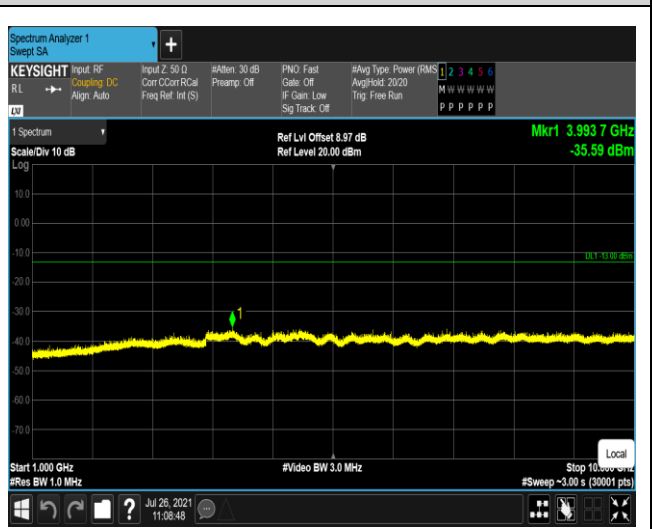
Band5-4233-0.009~0.15MHz



Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz

## AppendixF:Frequency Stability

### Test Result

Reference Frequency: WCDMA BAND 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	0.22	0.000117	Within authorized band for BAND II	Pass
	-20	1.93	0.001027		
	-10	4.21	0.002239		
	0	-1.24	-0.000660		
	10	-5.62	-0.002989		
	20	-2.62	-0.001394		
	30	1.04	0.000553		
	40	-0.09	-0.000048		
	50	-4.88	-0.002596		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-4.35	-0.002314	Within authorized band for BAND II	Pass
	3.85	1.19	0.000633		
	4.42	1.11	0.000590		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

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	0.11	0.000131	±2.5	Pass
	-20	0.85	0.001016		
	-10	0.57	0.000681		
	0	1.35	0.001614		
	10	-0.17	-0.000203		
	20	-0.64	-0.000765		
	30	0.94	0.001124		
	40	0.72	0.000861		
	50	-0.14	-0.000167		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.09	-0.001303	±2.5	Pass
	3.85	-1.09	-0.001303		
	4.42	1.27	0.001518		
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

