

## 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	22.23	20.33	33	PASS
Band2	TestMode	9262	22.23	20.33	33	PASS
Band2	TestMode	9400	22.22	20.32	33	PASS
Band2	Voice	9400	22.24	20.34	33	PASS
Band2	TestMode	9538	22.19	20.29	33	PASS
Band2	Voice	9538	22.14	20.24	33	PASS
Band4	Voice	1312	21.84	20.24	30	PASS
Band4	TestMode	1312	21.85	20.25	30	PASS
Band4	Voice	1413	22.09	20.49	30	PASS
Band4	TestMode	1413	22.10	20.50	30	PASS
Band4	TestMode	1513	21.98	20.38	30	PASS
Band4	Voice	1513	21.92	20.32	30	PASS
Band5	Voice	4132	22.75	19.20	38.5	PASS
Band5	TestMode	4132	22.64	19.09	38.5	PASS
Band5	TestMode	4183	22.72	19.17	38.5	PASS
Band5	Voice	4183	22.81	19.26	38.5	PASS
Band5	Voice	4233	22.75	19.20	38.5	PASS
Band5	TestMode	4233	22.66	19.11	38.5	PASS

### Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.28	19.38	33	PASS
Band2	9262	2	20.70	18.80	33	PASS
Band2	9262	3	20.77	18.87	33	PASS
Band2	9262	4	20.72	18.82	33	PASS
Band2	9400	1	21.27	19.37	33	PASS
Band2	9400	2	20.69	18.79	33	PASS
Band2	9400	3	20.73	18.83	33	PASS
Band2	9400	4	20.66	18.76	33	PASS
Band2	9538	1	21.25	19.35	33	PASS
Band2	9538	2	20.68	18.78	33	PASS
Band2	9538	3	20.73	18.83	33	PASS
Band2	9538	4	20.75	18.85	33	PASS
Band4	1312	1	20.90	19.30	30	PASS
Band4	1312	2	20.37	18.77	30	PASS

Band4	1312	3	20.44	18.84	30	PASS
Band4	1312	4	20.40	18.80	30	PASS
Band4	1413	1	21.15	19.55	30	PASS
Band4	1413	2	20.66	19.06	30	PASS
Band4	1413	3	20.68	19.08	30	PASS
Band4	1413	4	20.64	19.04	30	PASS
Band4	1513	1	21.02	19.42	30	PASS
Band4	1513	2	20.53	18.93	30	PASS
Band4	1513	3	20.53	18.93	30	PASS
Band4	1513	4	20.55	18.95	30	PASS
Band5	4132	1	21.70	18.15	38.5	PASS
Band5	4132	2	21.16	17.61	38.5	PASS
Band5	4132	3	21.19	17.64	38.5	PASS
Band5	4132	4	21.14	17.59	38.5	PASS
Band5	4183	1	21.73	18.18	38.5	PASS
Band5	4183	2	21.23	17.68	38.5	PASS
Band5	4183	3	21.27	17.72	38.5	PASS
Band5	4183	4	21.21	17.66	38.5	PASS
Band5	4233	1	21.75	18.2	38.5	PASS
Band5	4233	2	21.23	17.68	38.5	PASS
Band5	4233	3	21.23	17.68	38.5	PASS
Band5	4233	4	21.24	17.69	38.5	PASS

**Test Result(HSUPA)**

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.23	17.33	33	PASS
Band2	9262	2	19.72	17.82	33	PASS
Band2	9262	3	20.26	18.36	33	PASS
Band2	9262	4	19.24	17.34	33	PASS
Band2	9262	5	21.23	19.33	33	PASS
Band2	9400	1	19.19	17.29	33	PASS
Band2	9400	2	19.73	17.83	33	PASS
Band2	9400	3	20.21	18.31	33	PASS
Band2	9400	4	19.23	17.33	33	PASS
Band2	9400	5	21.23	19.33	33	PASS
Band2	9538	1	19.19	17.29	33	PASS
Band2	9538	2	19.73	17.83	33	PASS
Band2	9538	3	20.19	18.29	33	PASS
Band2	9538	4	19.21	17.31	33	PASS
Band2	9538	5	21.19	19.29	33	PASS
Band4	1312	1	18.90	17.30	30	PASS

Band4	1312	2	19.44	17.84	30	PASS
Band4	1312	3	19.93	18.33	30	PASS
Band4	1312	4	18.93	17.33	30	PASS
Band4	1312	5	20.93	19.33	30	PASS
Band4	1413	1	19.16	17.56	30	PASS
Band4	1413	2	19.66	18.06	30	PASS
Band4	1413	3	20.16	18.56	30	PASS
Band4	1413	4	19.16	17.56	30	PASS
Band4	1413	5	21.19	19.59	30	PASS
Band4	1513	1	19.01	17.41	30	PASS
Band4	1513	2	19.53	17.93	30	PASS
Band4	1513	3	20.01	18.41	30	PASS
Band4	1513	4	19.06	17.46	30	PASS
Band4	1513	5	21.05	19.45	30	PASS
Band5	4132	1	19.72	16.17	38.5	PASS
Band5	4132	2	20.24	16.69	38.5	PASS
Band5	4132	3	20.71	17.16	38.5	PASS
Band5	4132	4	19.75	16.2	38.5	PASS
Band5	4132	5	21.72	18.17	38.5	PASS
Band5	4183	1	19.79	16.24	38.5	PASS
Band5	4183	2	20.28	16.73	38.5	PASS
Band5	4183	3	20.77	17.22	38.5	PASS
Band5	4183	4	19.82	16.27	38.5	PASS
Band5	4183	5	21.79	18.24	38.5	PASS
Band5	4233	1	19.78	16.23	38.5	PASS
Band5	4233	2	20.30	16.75	38.5	PASS
Band5	4233	3	20.72	17.17	38.5	PASS
Band5	4233	4	19.79	16.24	38.5	PASS
Band5	4233	5	21.75	18.2	38.5	PASS

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

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

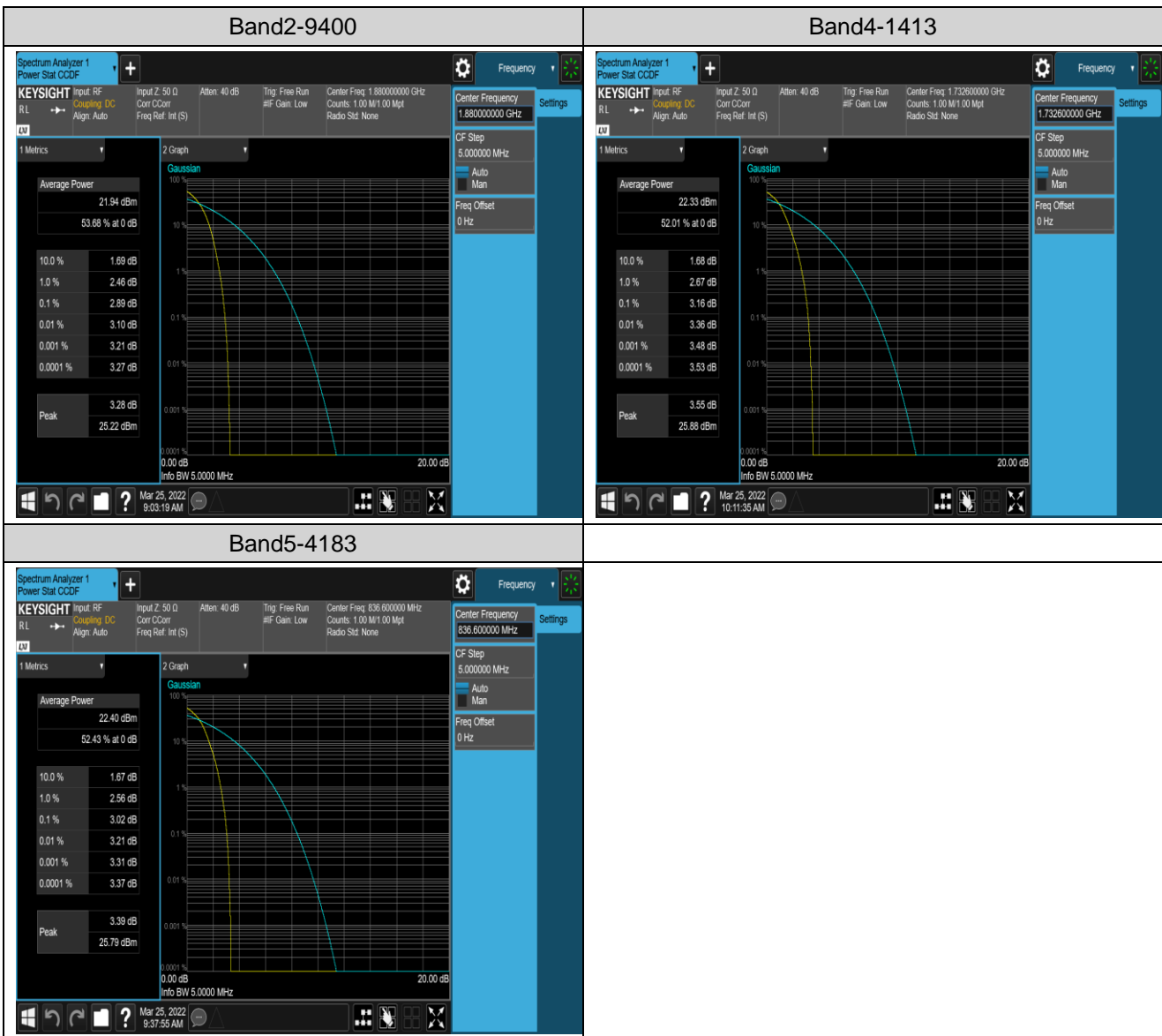
## Appendix B: Peak-to-Average Ratio

### Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.89	13	PASS
Band4	1413	3.16	13	PASS
Band5	4183	3.02	13	PASS

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

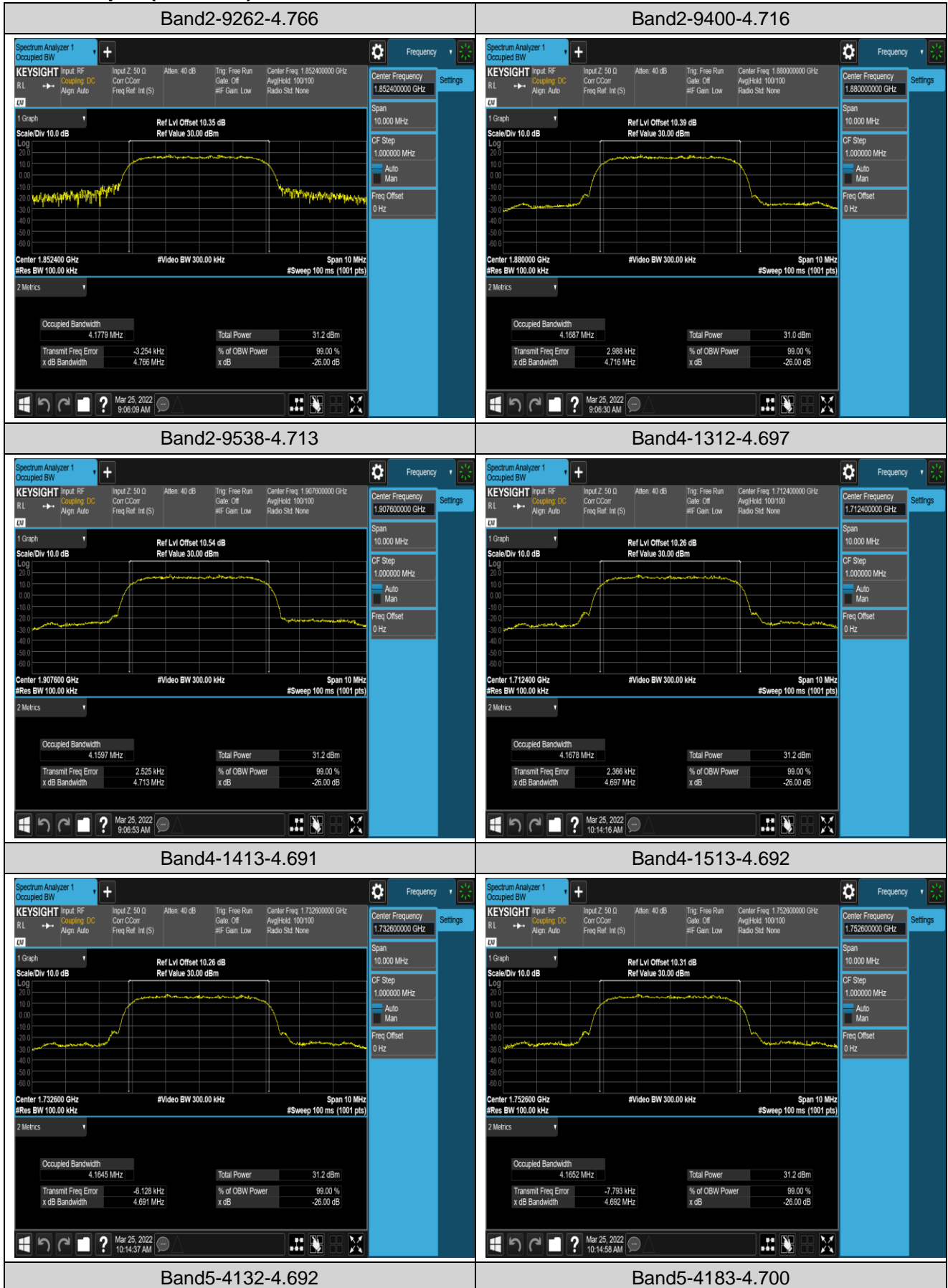
### Test Graphs(WCDMA)

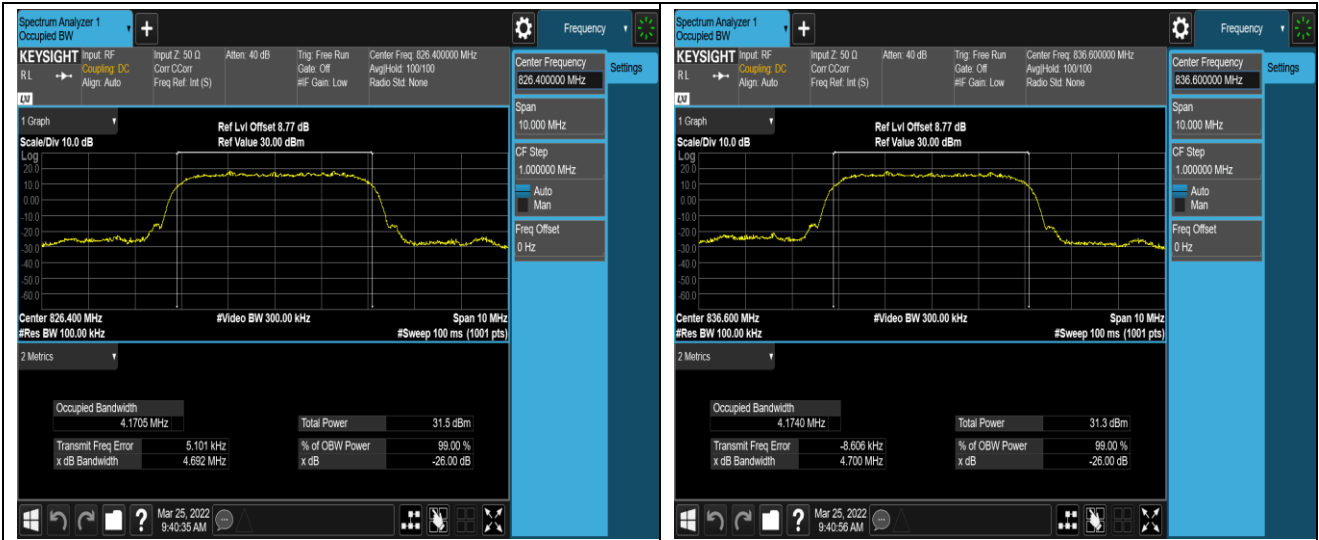


**AppendixC:26dB Bandwidth andOccupied Bandwidth****Test Result(WCDMA)**

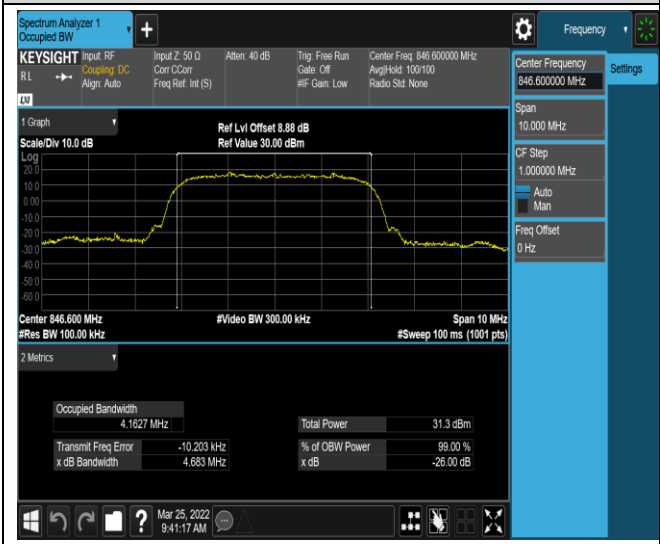
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1779	4.766	---	PASS
Band2	9400	4.1687	4.716	---	PASS
Band2	9538	4.1597	4.713	---	PASS
Band4	1312	4.1678	4.697	---	PASS
Band4	1413	4.1645	4.691	---	PASS
Band4	1513	4.1652	4.692	---	PASS
Band5	4132	4.1705	4.692	---	PASS
Band5	4183	4.1740	4.700	---	PASS
Band5	4233	4.1627	4.683	---	PASS

Test Graphs(WCDMA)





Band5-4233-4.683



## AppendixD:Band Edge

### Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.57	-13	PASS
Band2	9538	1910.00	-19.48	-13	PASS
Band4	1312	1710.00	-23.42	-13	PASS
Band4	1513	1755.00	-23.70	-13	PASS
Band5	4132	824.00	-21.23	-13	PASS
Band5	4233	849.00	-21.29	-13	PASS



Test Graphs(WCDMA)

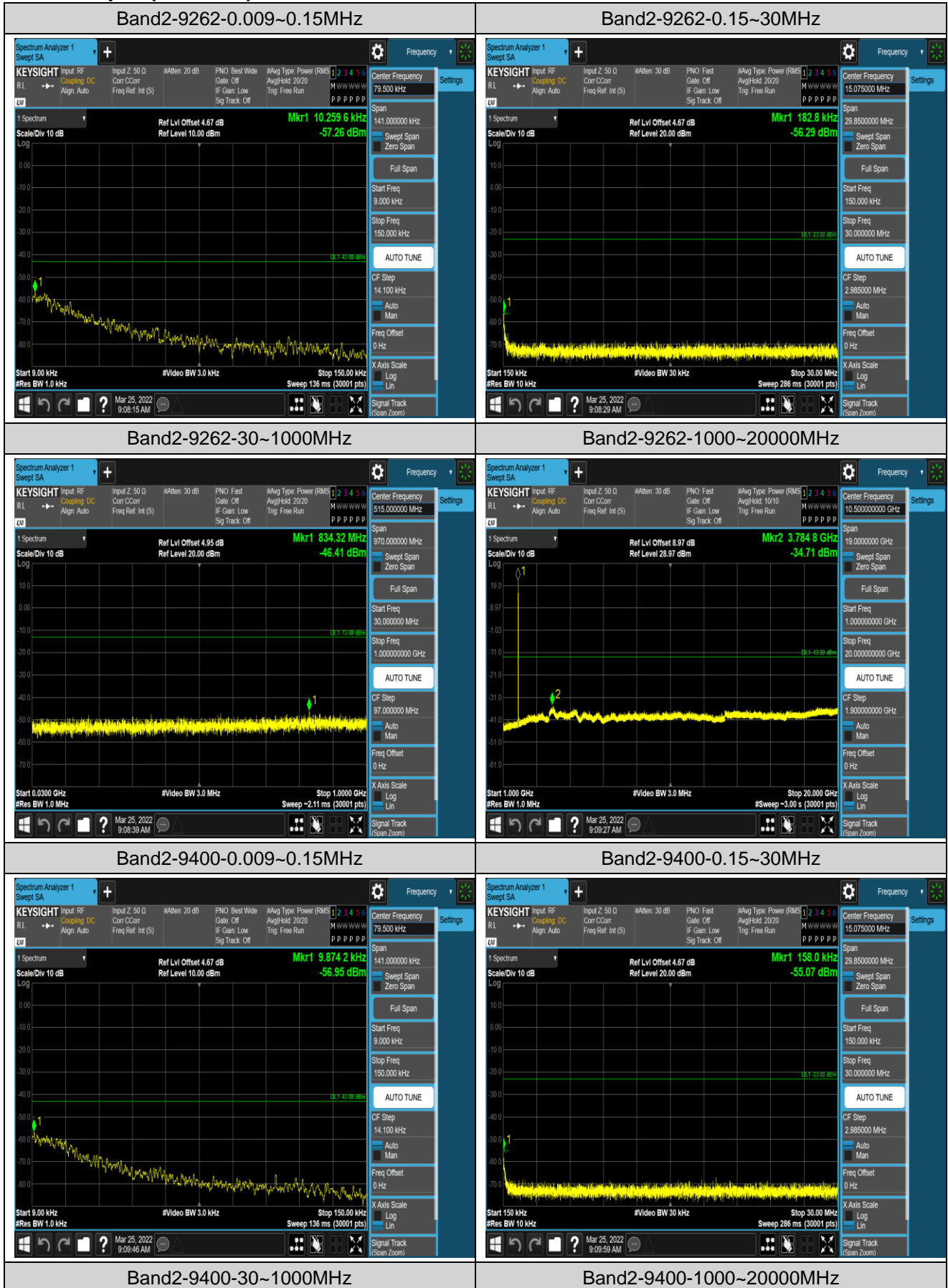


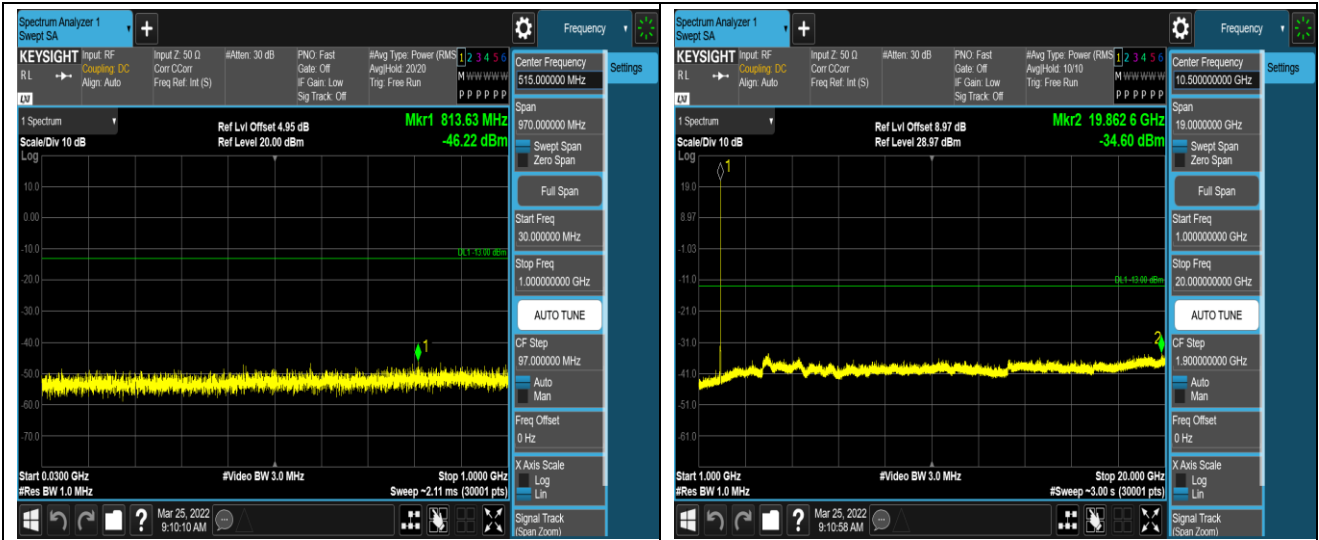
## Appendix E: Conducted Spurious Emission

### Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.26	-43	PASS
Band2	9262	0.15~30MHz	0.18	-56.29	-23	PASS
Band2	9262	30~1000MHz	834.32	-46.41	-13	PASS
Band2	9262	1000~20000MHz	3784.77	-34.71	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.95	-43	PASS
Band2	9400	0.15~30MHz	0.16	-55.07	-23	PASS
Band2	9400	30~1000MHz	813.63	-46.22	-13	PASS
Band2	9400	1000~20000MHz	19862.57	-34.6	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.63	-43	PASS
Band2	9538	0.15~30MHz	0.18	-57.96	-23	PASS
Band2	9538	30~1000MHz	938.18	-46.98	-13	PASS
Band2	9538	1000~20000MHz	3720.17	-34.7	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.33	-43	PASS
Band4	1312	0.15~30MHz	0.2	-57.16	-23	PASS
Band4	1312	30~1000MHz	867.37	-46.42	-13	PASS
Band4	1312	1000~20000MHz	19456.6	-34.84	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.22	-43	PASS
Band4	1413	0.15~30MHz	0.15	-57.97	-23	PASS
Band4	1413	30~1000MHz	805.97	-45.79	-13	PASS
Band4	1413	1000~20000MHz	19378.07	-34.36	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.58	-43	PASS
Band4	1513	0.15~30MHz	0.19	-58.08	-23	PASS
Band4	1513	30~1000MHz	790.12	-46.61	-13	PASS
Band4	1513	1000~20000MHz	19990.5	-34.53	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-58.03	-33	PASS
Band5	4132	0.15~30MHz	0.16	-55.6	-13	PASS
Band5	4132	30~1000MHz	700.01	-55.67	-13	PASS
Band5	4132	1000~10000MHz	3754.6	-34.34	-13	PASS
Band5	4183	0.009~0.15MHz	0.02	-56.97	-33	PASS
Band5	4183	0.15~30MHz	0.15	-55.46	-13	PASS
Band5	4183	30~1000MHz	945.1	-55.57	-13	PASS
Band5	4183	1000~10000MHz	3850.6	-34.69	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.93	-33	PASS
Band5	4233	0.15~30MHz	0.16	-57.07	-13	PASS
Band5	4233	30~1000MHz	965.47	-55.53	-13	PASS
Band5	4233	1000~10000MHz	3871	-33.93	-13	PASS

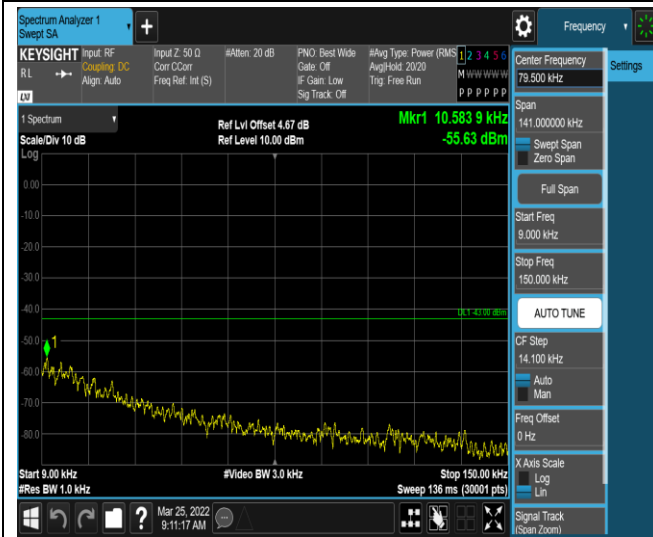
Test Graphs(WCDMA)



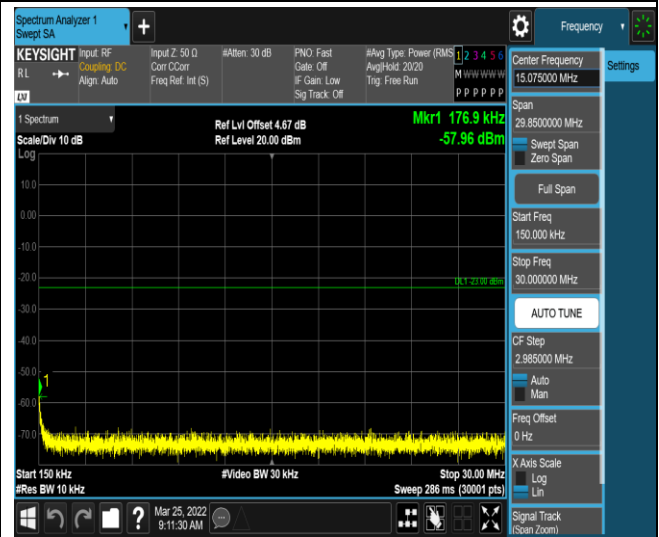


Band2-9538-0.009~0.15MHz

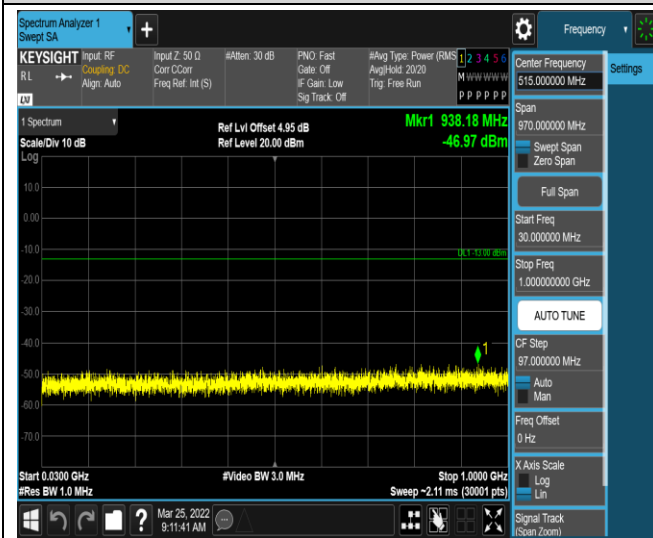
Band2-9538-0.15~30MHz



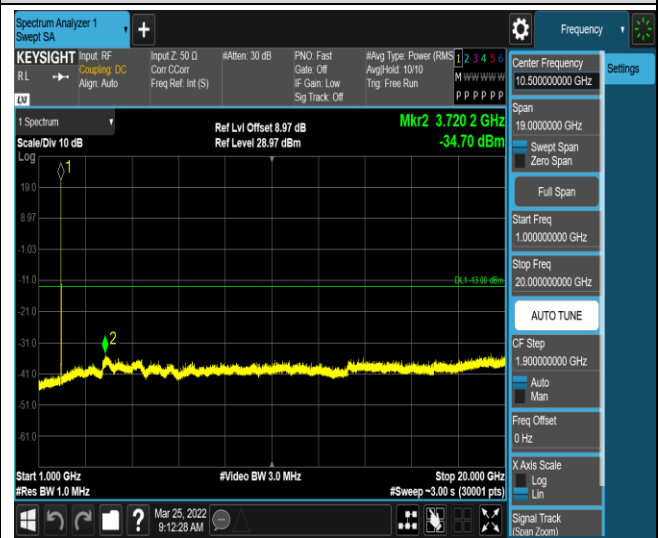
Band2-9538-30~1000MHz



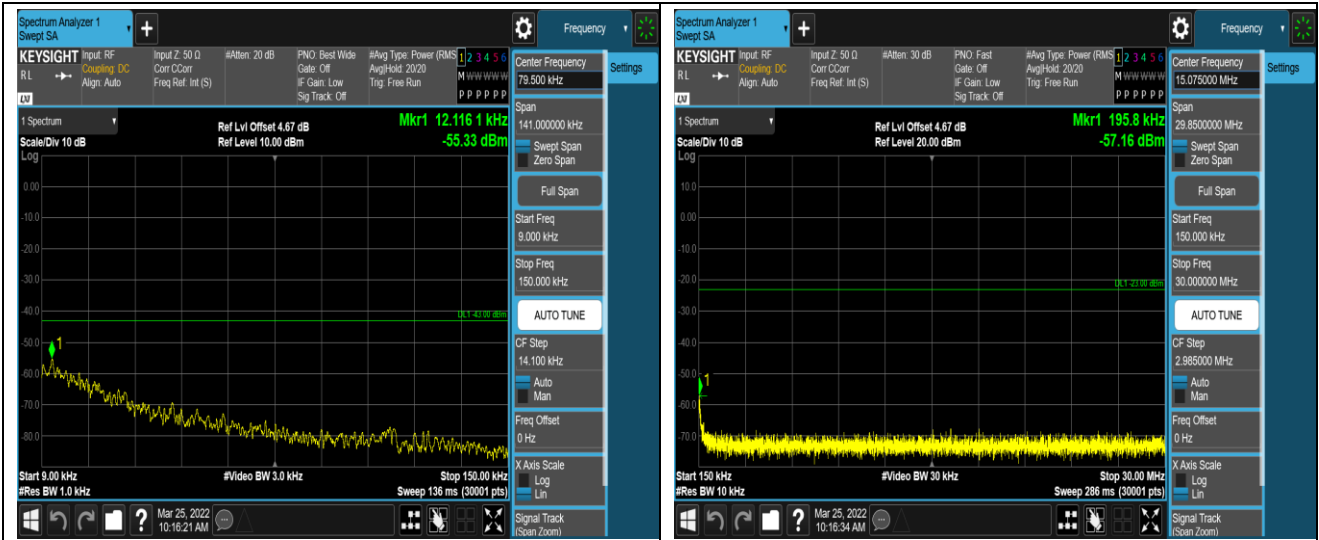
Band2-9538-1000~20000MHz



Band4-1312-0.009~0.15MHz

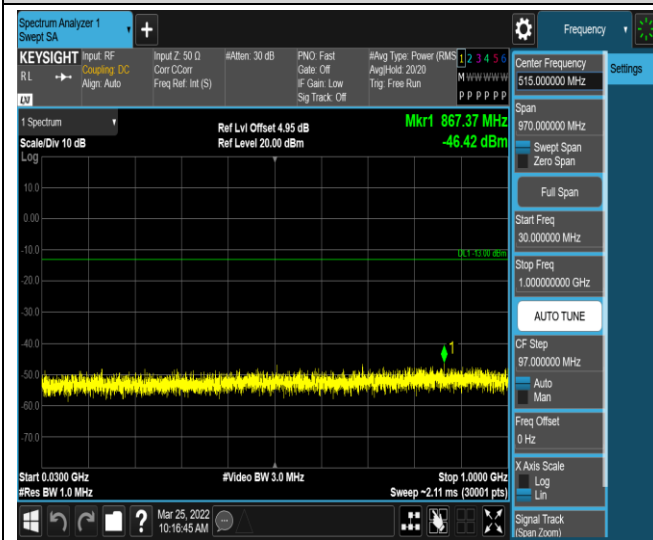


Band4-1312-0.15~30MHz

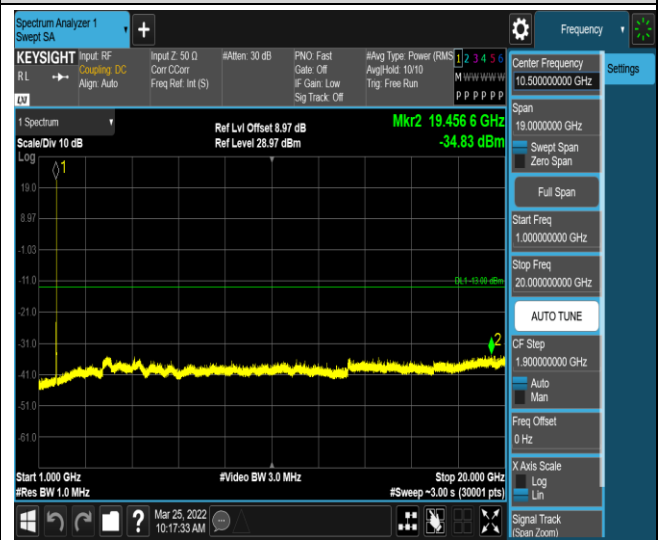


Band4-1312-30~1000MHz

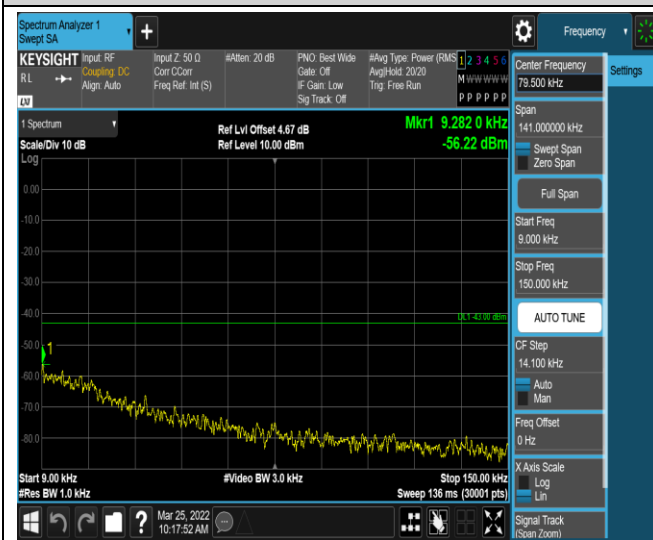
Band4-1312-1000~20000MHz



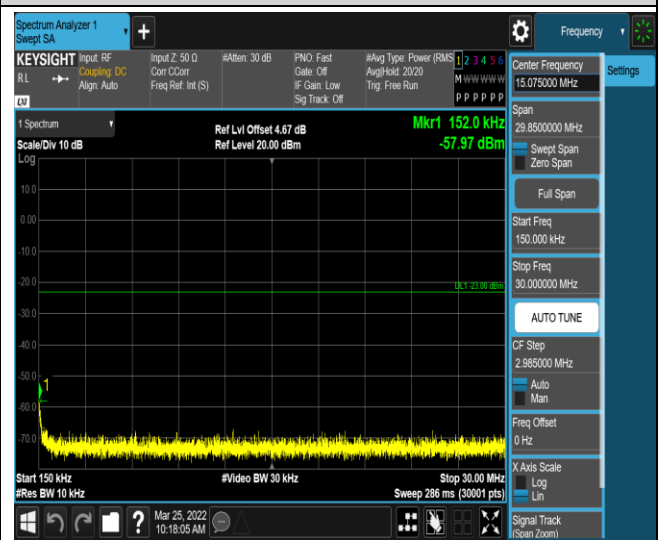
Band4-1413-0.009~0.15MHz



Band4-1413-0.15~30MHz



Band4-1413-30~1000MHz

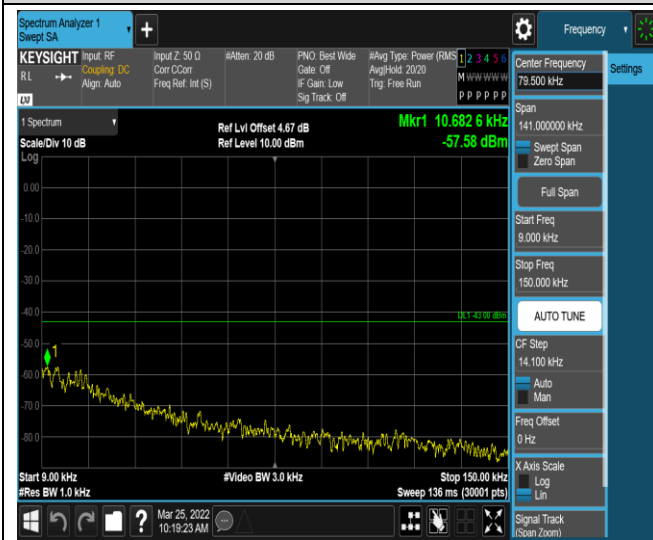


Band4-1413-1000~20000MHz

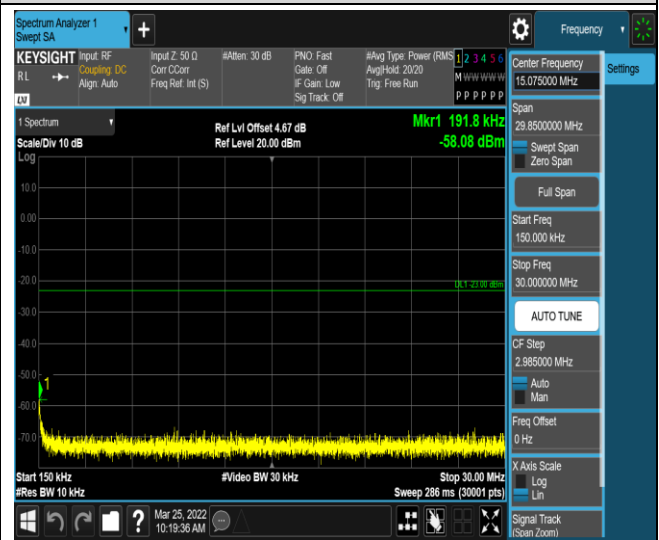


Band4-1513-0.009~0.15MHz

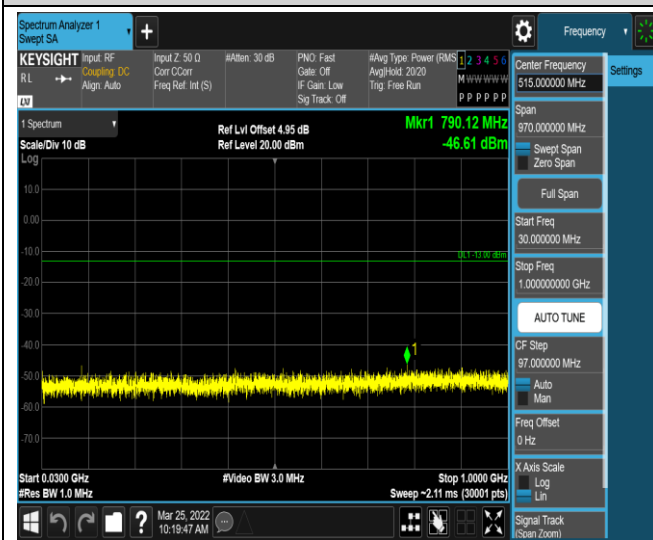
Band4-1513-0.15~30MHz



Band4-1513-30~1000MHz



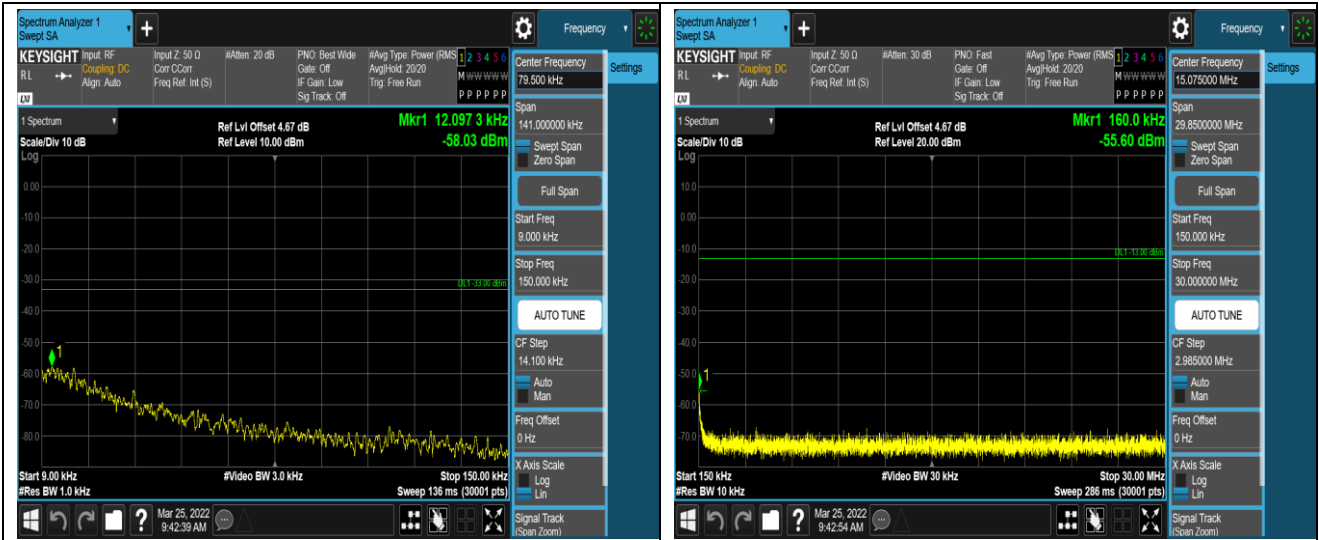
Band4-1513-1000~20000MHz



Band5-4132-0.009~0.15MHz

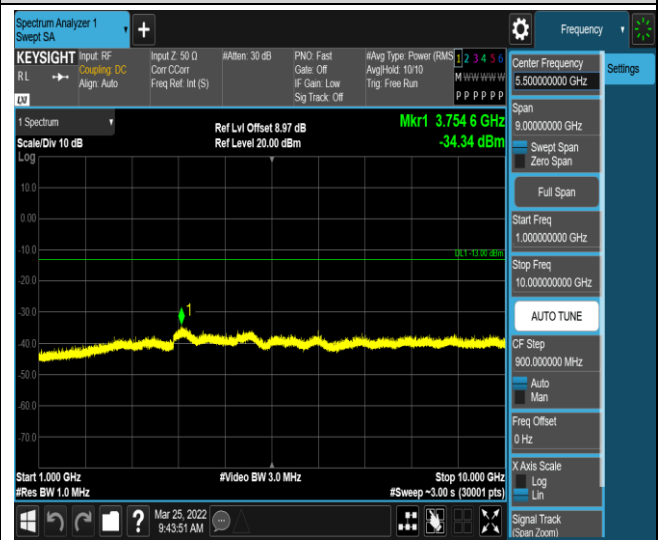
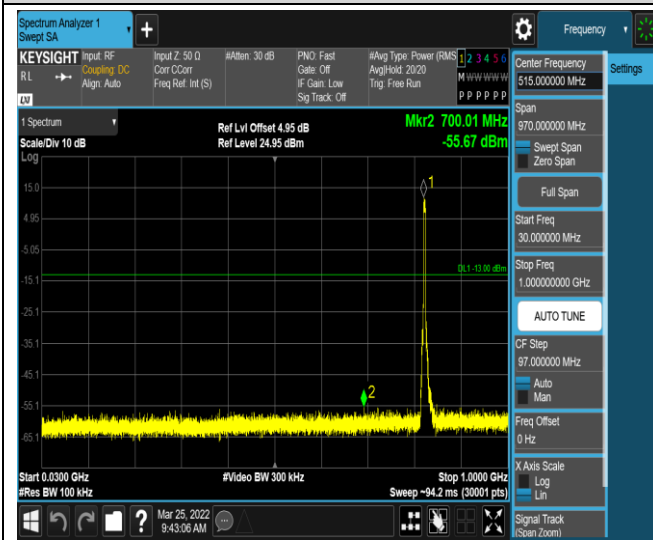


Band5-4132-0.15~30MHz



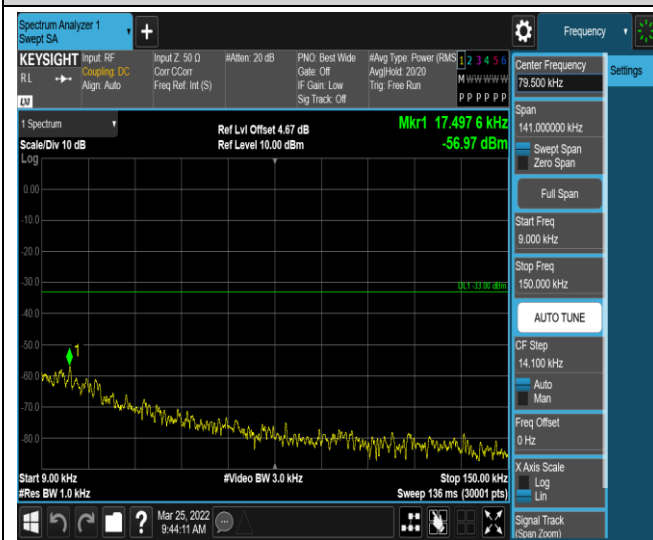
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



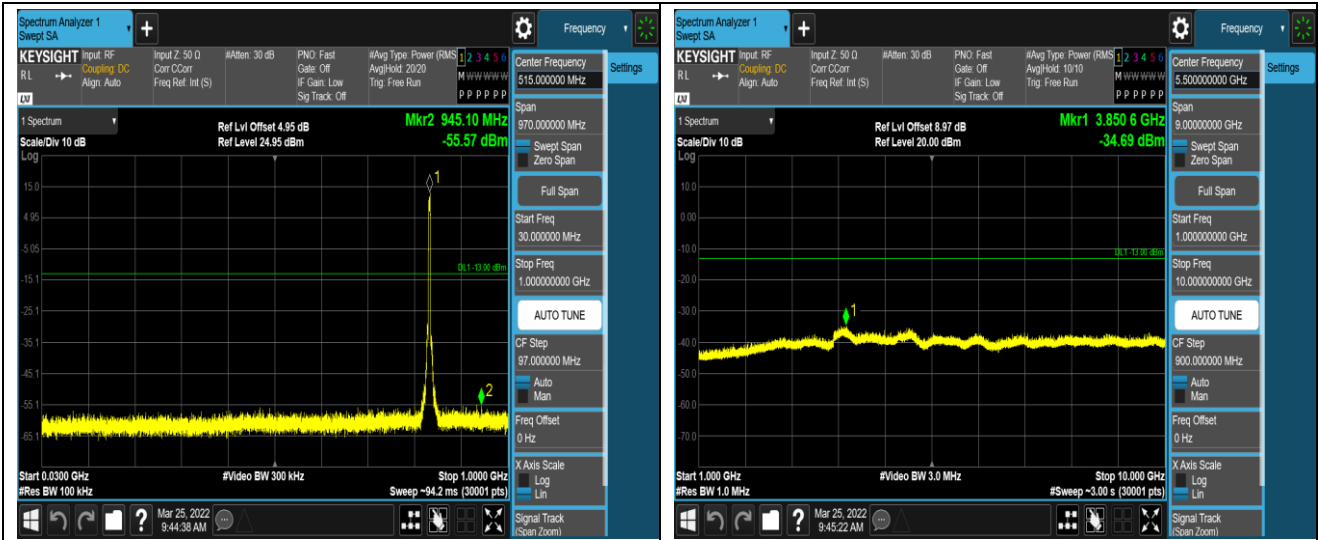
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



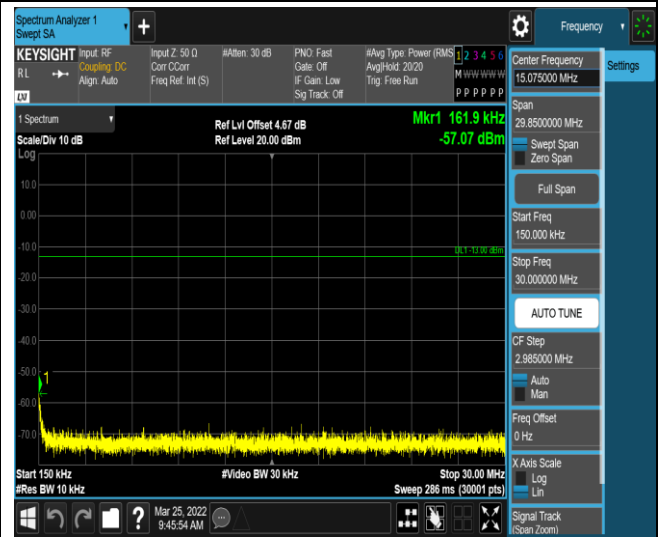
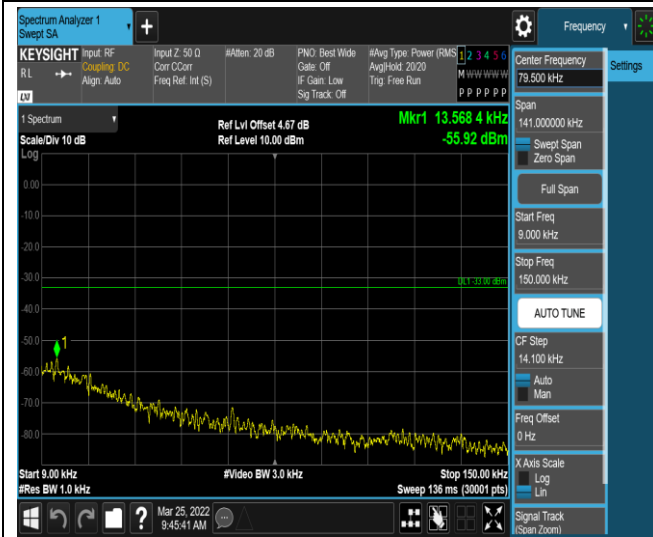
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



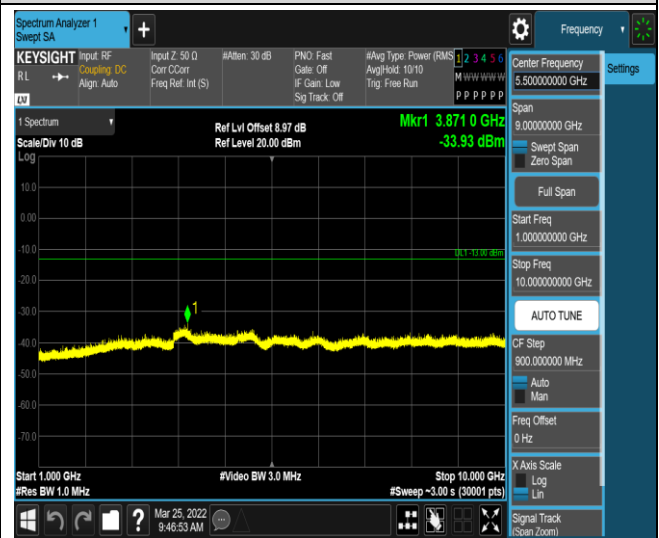
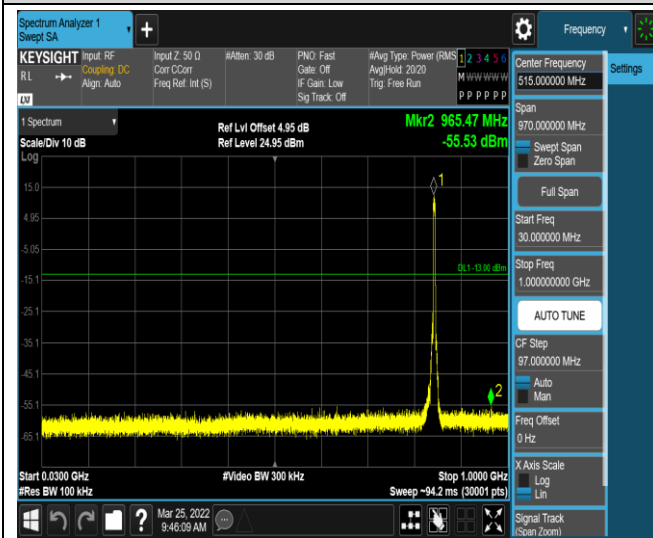
Band5-4233-0.009~0.15MHz

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		
3.80	-30	-13.71	-0.007293	Within authorized band for BAND II	Pass
	-20	-13.50	-0.007181		
	-10	-13.54	-0.007202		
	0	-12.17	-0.006473		
	10	-10.55	-0.005612		
	20	-8.11	-0.004314		
	30	-11.22	-0.005968		
	40	-15.39	-0.008186		
	50	-9.91	-0.005271		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-15.78	-0.008394	Within authorized band for BAND II	Pass
	3.80	-15.11	-0.008037		
	4.20	-12.67	-0.006739		
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		
3.80	-30	-15.65	-0.009033	Within authorized band for BAND IV	Pass
	-20	-10.55	-0.006089		
	-10	-10.39	-0.005997		
	0	-13.53	-0.007809		
	10	-12.41	-0.007163		
	20	-12.34	-0.007122		
	30	-10.54	-0.006083		
	40	-11.43	-0.006597		
	50	-10.24	-0.005910		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-15.78	-0.008394	Within authorized band for BAND IV	Pass
	3.80	-15.11	-0.008037		
	4.20	-12.67	-0.006739		
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		
3.80	-30	-13.17	-0.015742	±2.5	Pass
	-20	-11.33	-0.013543		
	-10	-9.61	-0.011487		
	0	-14.75	-0.017631		
	10	-4.90	-0.005857		
	20	-7.22	-0.008630		
	30	-11.17	-0.013352		
	40	-8.13	-0.009718		
	50	-9.23	-0.011033		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-10.79	-0.012897	±2.5	Pass
	3.80	-10.42	-0.012455		
	4.20	-10.68	-0.012766		
<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

