

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	22.49	23.49	33	PASS
Band2	TestMode	9262	22.57	23.57	33	PASS
Band2	Voice	9400	22.96	23.96	33	PASS
Band2	TestMode	9400	23.02	24.02	33	PASS
Band2	TestMode	9538	22.99	23.99	33	PASS
Band2	Voice	9538	22.92	23.92	33	PASS
Band4	Voice	1312	23.85	26.65	30	PASS
Band4	TestMode	1312	23.84	26.64	30	PASS
Band4	TestMode	1413	24.26	27.06	30	PASS
Band4	Voice	1413	24.26	27.06	30	PASS
Band4	TestMode	1513	24.10	26.90	30	PASS
Band4	Voice	1513	24.06	26.86	30	PASS
Band5	Voice	4132	24.72	20.37	38.5	PASS
Band5	TestMode	4132	24.81	20.46	38.5	PASS
Band5	TestMode	4183	24.81	20.46	38.5	PASS
Band5	Voice	4183	24.75	20.40	38.5	PASS
Band5	Voice	4233	24.94	20.59	38.5	PASS
Band5	TestMode	4233	25.00	20.65	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.18	23.18	33	PASS
Band2	9262	2	21.78	22.78	33	PASS
Band2	9262	3	21.70	22.70	33	PASS
Band2	9262	4	21.68	22.68	33	PASS
Band2	9400	1	22.28	23.28	33	PASS
Band2	9400	2	21.82	22.82	33	PASS
Band2	9400	3	21.75	22.75	33	PASS
Band2	9400	4	21.72	22.72	33	PASS
Band2	9538	1	22.41	23.41	33	PASS
Band2	9538	2	21.95	22.95	33	PASS
Band2	9538	3	21.85	22.85	33	PASS
Band2	9538	4	21.90	22.90	33	PASS

Band4	1312	1	22.90	25.70	30	PASS
Band4	1312	2	22.40	25.20	30	PASS
Band4	1312	3	22.44	25.24	30	PASS
Band4	1312	4	22.41	25.21	30	PASS
Band4	1413	1	23.31	26.11	30	PASS
Band4	1413	2	22.83	25.63	30	PASS
Band4	1413	3	22.82	25.62	30	PASS
Band4	1413	4	22.83	25.63	30	PASS
Band4	1513	1	23.05	25.85	30	PASS
Band4	1513	2	22.63	25.43	30	PASS
Band4	1513	3	22.63	25.43	30	PASS
Band4	1513	4	22.61	25.41	30	PASS
Band5	4132	1	23.76	19.41	38.5	PASS
Band5	4132	2	23.29	18.94	38.5	PASS
Band5	4132	3	23.29	18.94	38.5	PASS
Band5	4132	4	23.25	18.9	38.5	PASS
Band5	4183	1	23.76	19.41	38.5	PASS
Band5	4183	2	23.27	18.92	38.5	PASS
Band5	4183	3	23.28	18.93	38.5	PASS
Band5	4183	4	23.27	18.92	38.5	PASS
Band5	4233	1	23.99	19.64	38.5	PASS
Band5	4233	2	23.46	19.11	38.5	PASS
Band5	4233	3	23.47	19.12	38.5	PASS
Band5	4233	4	23.47	19.12	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.54	22.54	33	PASS
Band2	9262	2	20.04	21.04	33	PASS
Band2	9262	3	20.59	21.59	33	PASS
Band2	9262	4	19.52	20.52	33	PASS
Band2	9262	5	21.48	22.48	33	PASS
Band2	9400	1	21.77	22.77	33	PASS
Band2	9400	2	20.49	21.49	33	PASS
Band2	9400	3	20.87	21.87	33	PASS
Band2	9400	4	19.87	20.87	33	PASS
Band2	9400	5	21.90	22.90	33	PASS
Band2	9538	1	21.69	22.69	33	PASS
Band2	9538	2	20.22	21.22	33	PASS
Band2	9538	3	20.83	21.83	33	PASS

Band2	9538	4	19.75	20.75	33	PASS
Band2	9538	5	21.71	22.71	33	PASS
Band4	1312	1	22.89	25.69	30	PASS
Band4	1312	2	21.47	24.27	30	PASS
Band4	1312	3	21.93	24.73	30	PASS
Band4	1312	4	20.89	23.69	30	PASS
Band4	1312	5	22.94	25.74	30	PASS
Band4	1413	1	23.29	26.09	30	PASS
Band4	1413	2	21.84	24.64	30	PASS
Band4	1413	3	22.31	25.11	30	PASS
Band4	1413	4	21.26	24.06	30	PASS
Band4	1413	5	23.32	26.12	30	PASS
Band4	1513	1	23.08	25.88	30	PASS
Band4	1513	2	21.67	24.47	30	PASS
Band4	1513	3	22.14	24.94	30	PASS
Band4	1513	4	21.13	23.93	30	PASS
Band4	1513	5	23.13	25.93	30	PASS
Band5	4132	1	23.70	19.35	38.5	PASS
Band5	4132	2	22.22	17.87	38.5	PASS
Band5	4132	3	22.81	18.46	38.5	PASS
Band5	4132	4	21.75	17.4	38.5	PASS
Band5	4132	5	23.77	19.42	38.5	PASS
Band5	4183	1	23.72	19.37	38.5	PASS
Band5	4183	2	22.28	17.93	38.5	PASS
Band5	4183	3	22.78	18.43	38.5	PASS
Band5	4183	4	21.70	17.35	38.5	PASS
Band5	4183	5	23.80	19.45	38.5	PASS
Band5	4233	1	23.90	19.55	38.5	PASS
Band5	4233	2	22.51	18.16	38.5	PASS
Band5	4233	3	22.99	18.64	38.5	PASS
Band5	4233	4	21.91	17.56	38.5	PASS
Band5	4233	5	23.98	19.63	38.5	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For Band2 &4)
 $ERP (dBm) = EIRP (dBm) - 2.15 (dB)$. (For Band5)

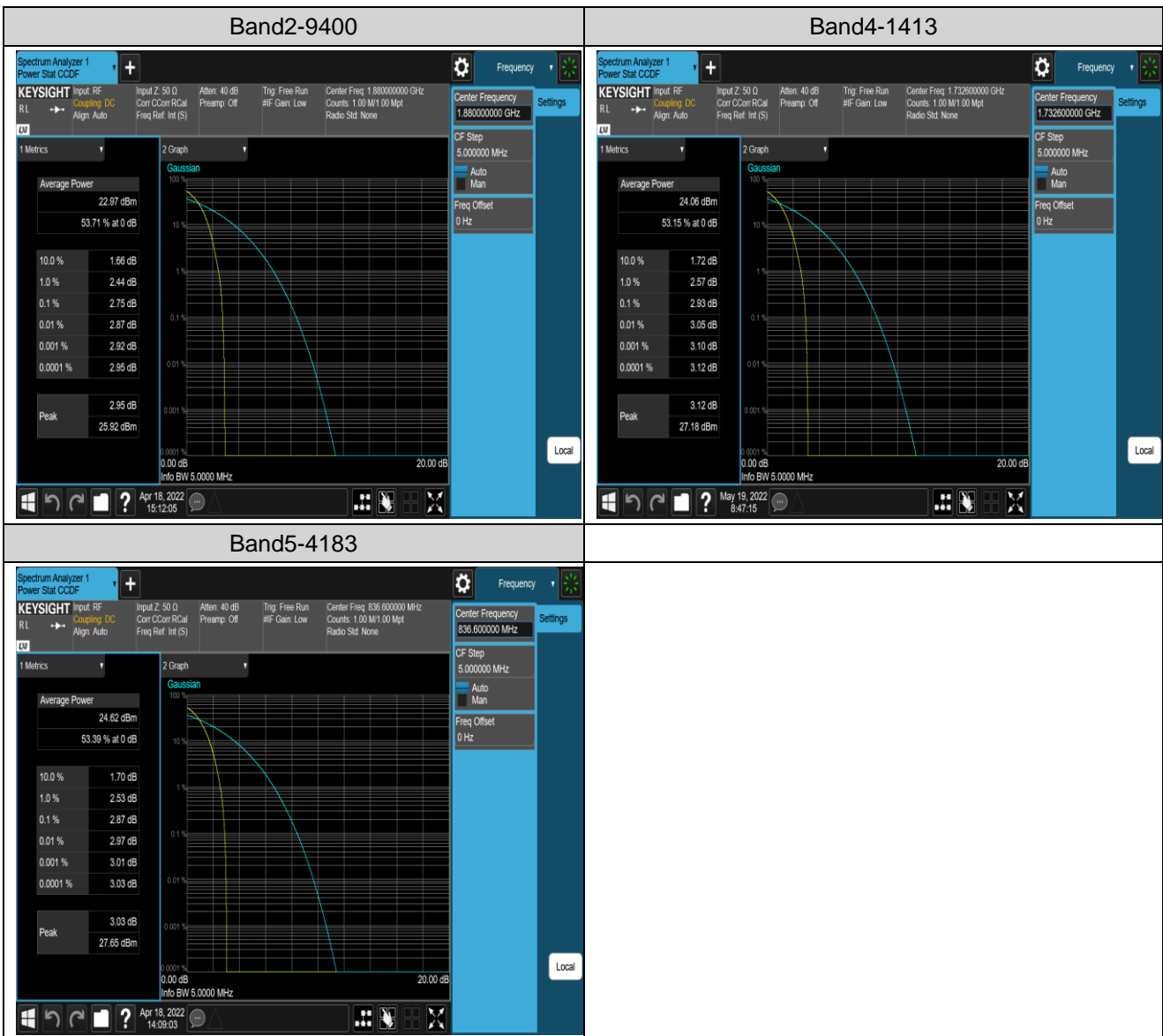
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.75	13	PASS
Band4	1413	2.93	13	PASS
Band5	4183	2.87	13	PASS

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

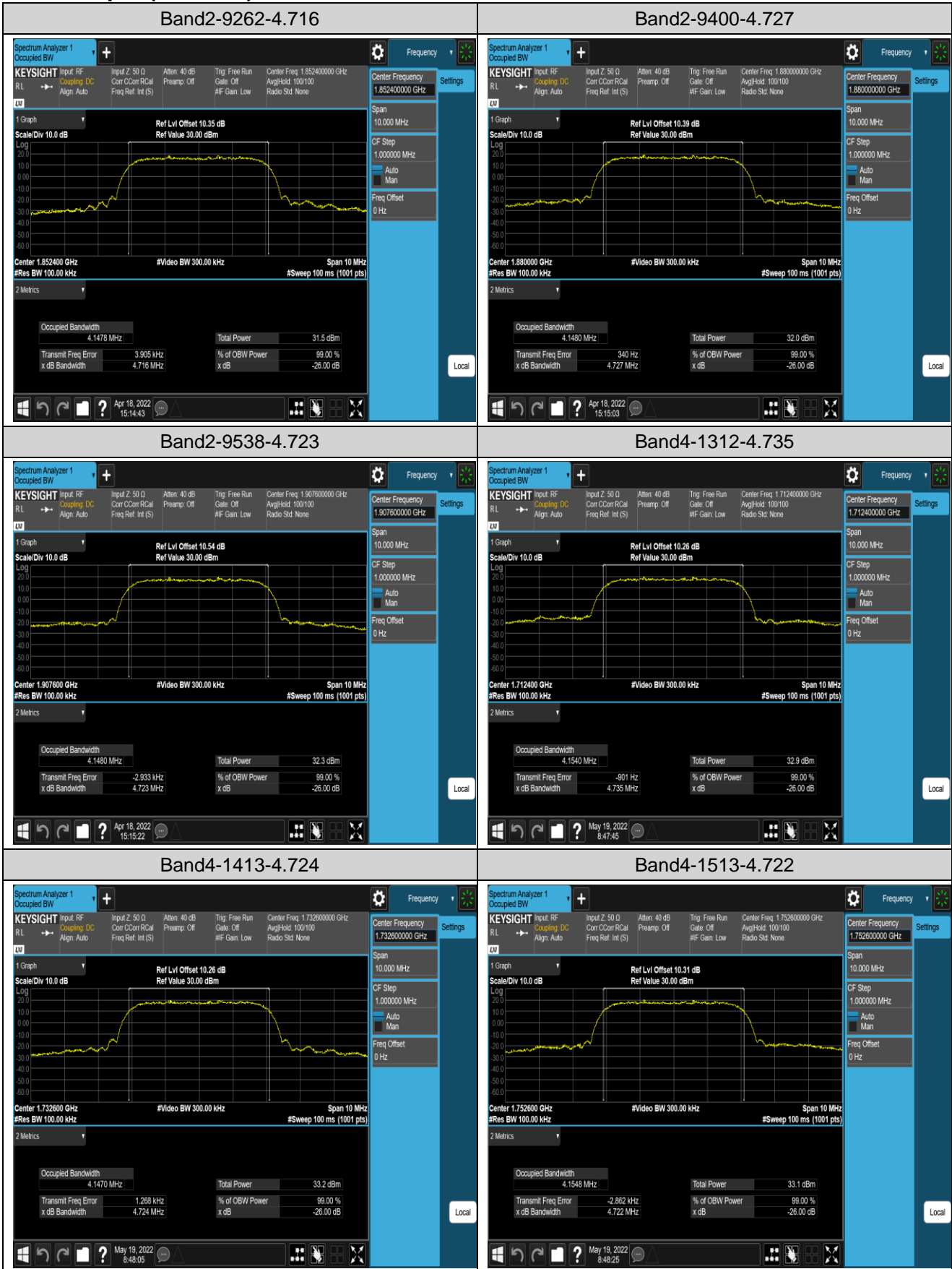
Test Graphs(WCDMA)



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

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1478	4.716	---	PASS
Band2	9400	4.1480	4.727	---	PASS
Band2	9538	4.1480	4.723	---	PASS
Band4	1312	4.1540	4.735	---	PASS
Band4	1413	4.1470	4.724	---	PASS
Band4	1513	4.1548	4.722	---	PASS
Band5	4132	4.1407	4.709	---	PASS
Band5	4183	4.1438	4.716	---	PASS
Band5	4233	4.1429	4.712	---	PASS

Test Graphs(WCDMA)



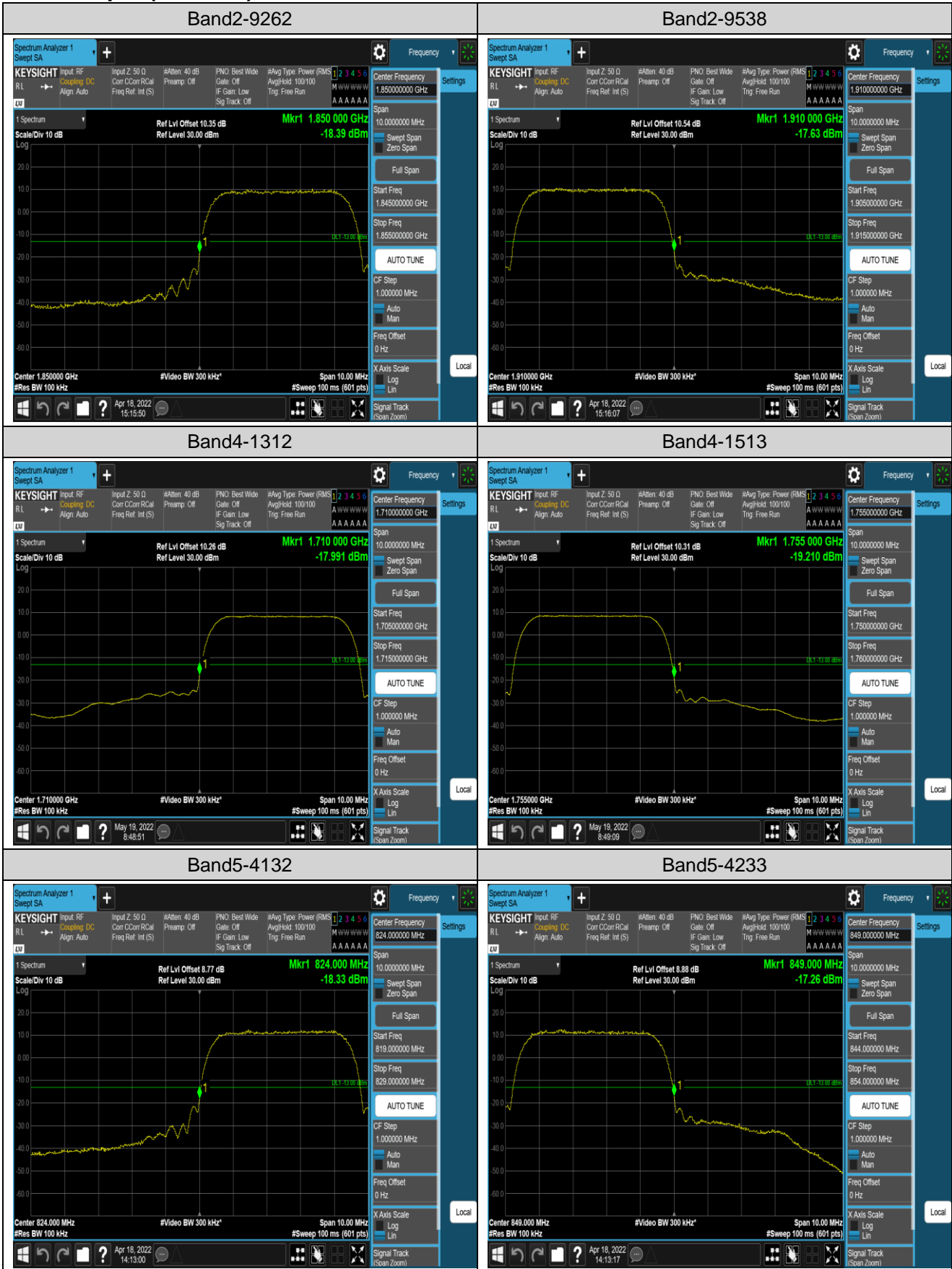


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.39	-13	PASS
Band2	9538	1910.00	-17.63	-13	PASS
Band4	1312	1710.00	-17.99	-13	PASS
Band4	1513	1755.00	-19.21	-13	PASS
Band5	4132	824.00	-18.33	-13	PASS
Band5	4233	849.00	-17.26	-13	PASS

Test Graphs(WCDMA)

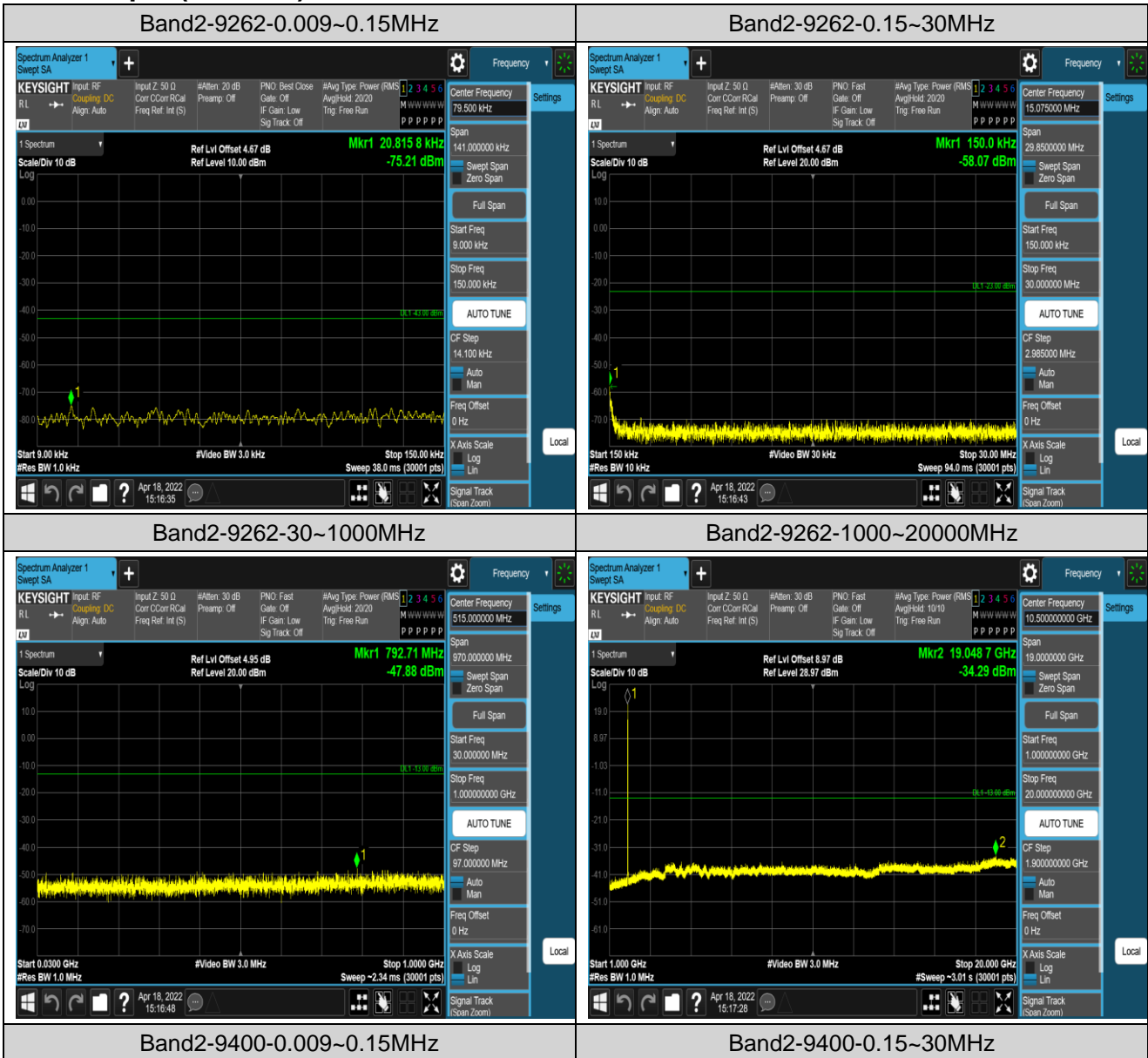


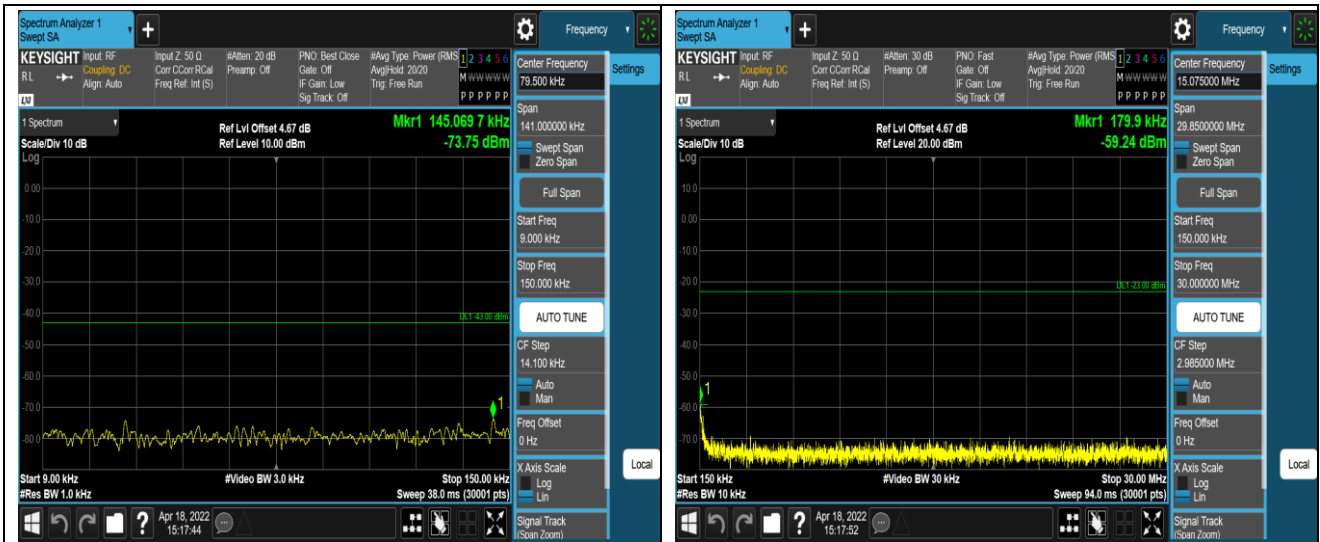
AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.02	-75.21	-43	PASS
Band2	9262	0.15~30MHz	0.15	-58.07	-23	PASS
Band2	9262	30~1000MHz	792.71	-47.88	-13	PASS
Band2	9262	1000~20000MHz	19048.73	-34.29	-13	PASS
Band2	9400	0.009~0.15MHz	0.15	-73.76	-43	PASS
Band2	9400	0.15~30MHz	0.18	-59.24	-23	PASS
Band2	9400	30~1000MHz	898.57	-47.78	-13	PASS
Band2	9400	1000~20000MHz	19019.6	-33.41	-13	PASS
Band2	9538	0.009~0.15MHz	0.12	-75.51	-43	PASS
Band2	9538	0.15~30MHz	0.16	-57.71	-23	PASS
Band2	9538	30~1000MHz	784.66	-47.95	-13	PASS
Band2	9538	1000~20000MHz	19005.67	-34.56	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-74.74	-43	PASS
Band4	1312	0.15~30MHz	0.15	-59.2	-23	PASS
Band4	1312	30~1000MHz	908.46	-47.41	-13	PASS
Band4	1312	1000~20000MHz	18742.2	-34.46	-13	PASS
Band4	1413	0.009~0.15MHz	0.11	-75.03	-43	PASS
Band4	1413	0.15~30MHz	0.15	-56.94	-23	PASS
Band4	1413	30~1000MHz	904.88	-47.77	-13	PASS
Band4	1413	1000~20000MHz	19341.97	-34.43	-13	PASS
Band4	1513	0.009~0.15MHz	0.03	-74.81	-43	PASS
Band4	1513	0.15~30MHz	0.18	-58.49	-23	PASS
Band4	1513	30~1000MHz	857.51	-48.81	-13	PASS
Band4	1513	1000~20000MHz	19857.5	-35.02	-13	PASS
Band5	4132	0.009~0.15MHz	0.06	-73.69	-33	PASS
Band5	4132	0.15~30MHz	0.16	-57.91	-13	PASS
Band5	4132	30~1000MHz	469.99	-57.69	-13	PASS
Band5	4132	1000~10000MHz	4009.9	-36.32	-13	PASS
Band5	4183	0.009~0.15MHz	0.11	-74.33	-33	PASS
Band5	4183	0.15~30MHz	0.15	-57.57	-13	PASS
Band5	4183	30~1000MHz	999.58	-57.26	-13	PASS
Band5	4183	1000~10000MHz	4068.1	-36.25	-13	PASS
Band5	4233	0.009~0.15MHz	0.14	-75.33	-33	PASS
Band5	4233	0.15~30MHz	0.15	-57.75	-13	PASS
Band5	4233	30~1000MHz	973.07	-57.77	-13	PASS
Band5	4233	1000~10000MHz	5012.8	-35.8	-13	PASS

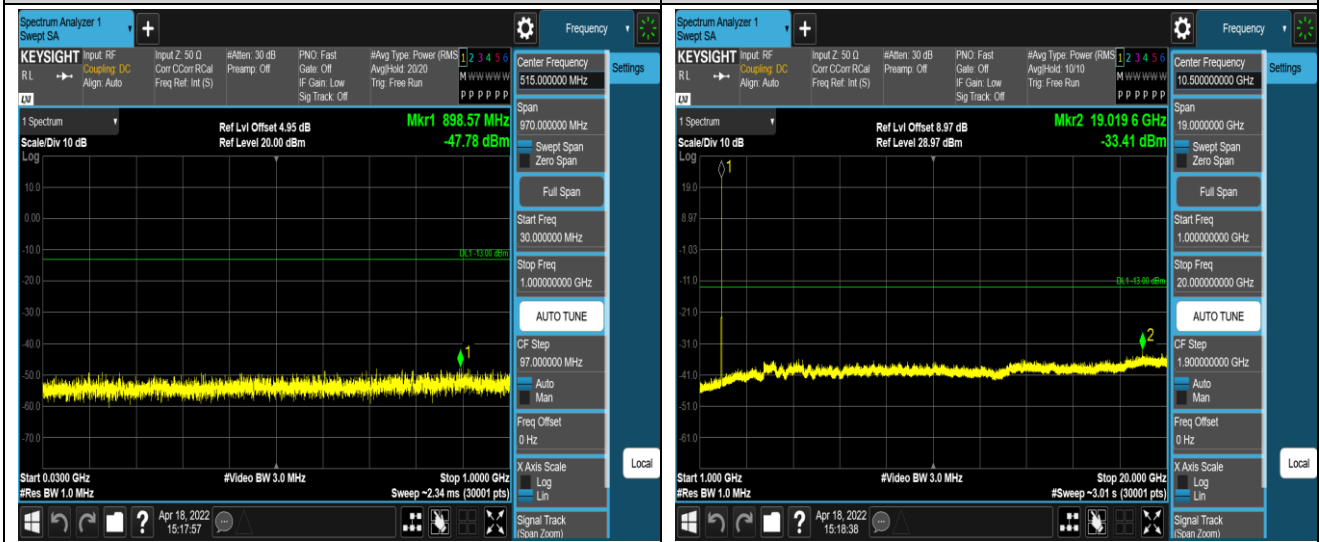
Test Graphs(WCDMA)





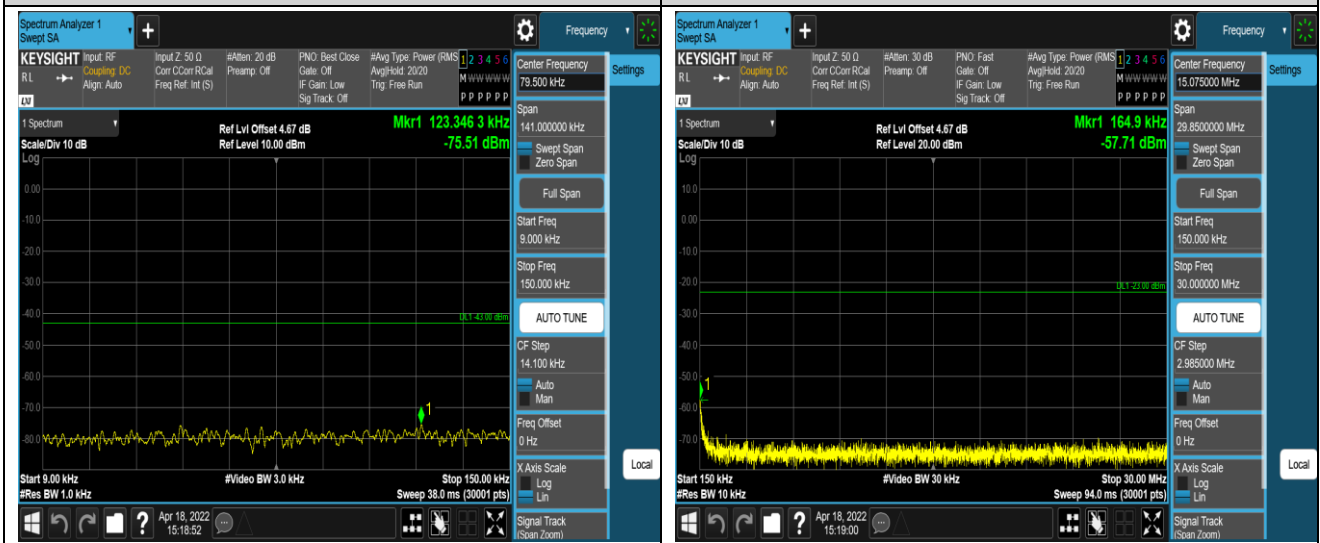
Band2-9400-30~1000MHz

Band2-9400-1000~20000MHz



Band2-9538-0.009~0.15MHz

Band2-9538-0.15~30MHz



Band2-9538-30~1000MHz

Band2-9538-1000~20000MHz

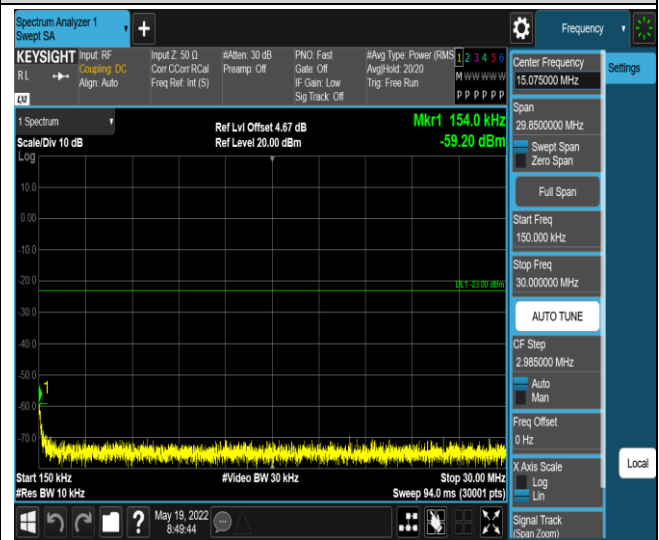


Band4-1312-0.009~0.15MHz

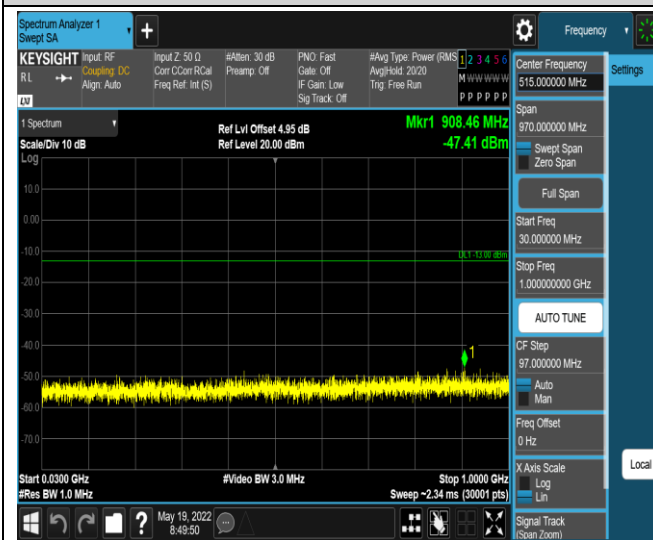
Band4-1312-0.15~30MHz



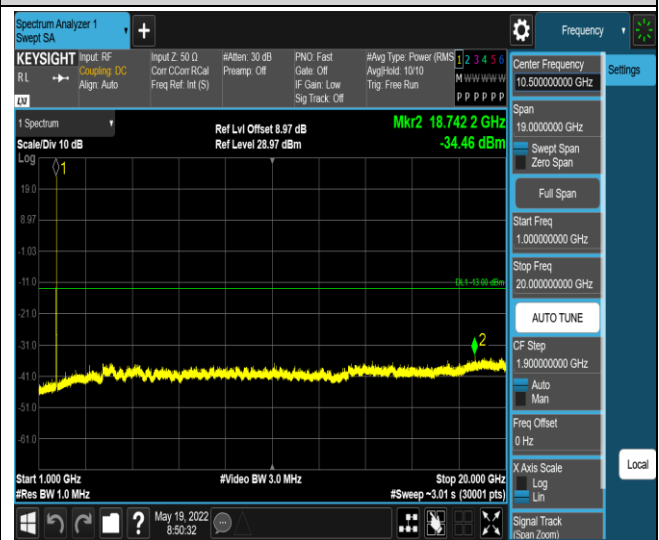
Band4-1312-30~1000MHz



Band4-1312-1000~20000MHz



Band4-1413-0.009~0.15MHz

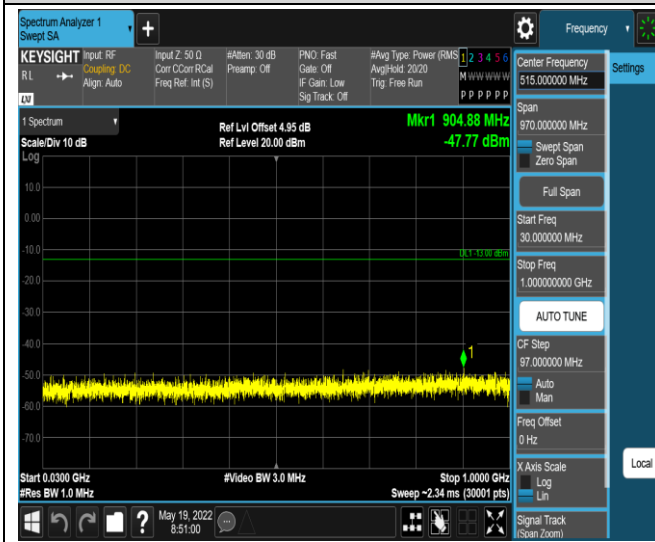


Band4-1413-0.15~30MHz

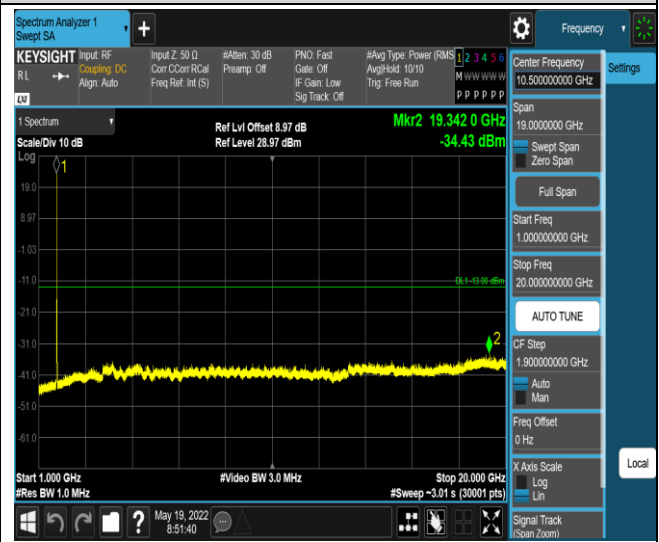


Band4-1413-30~1000MHz

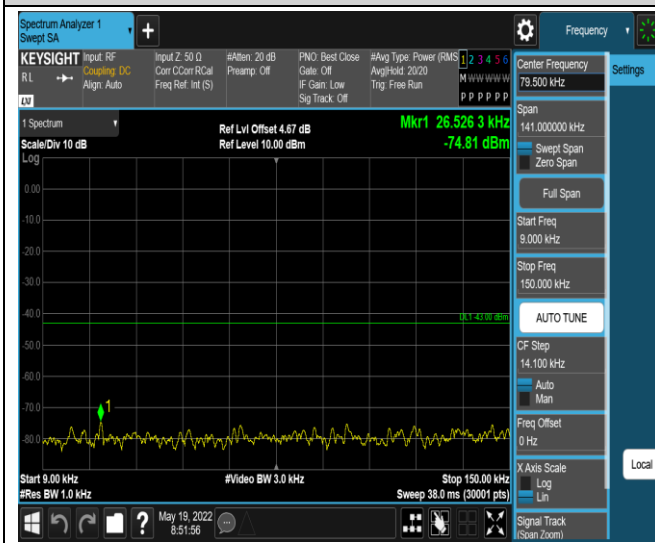
Band4-1413-1000~20000MHz



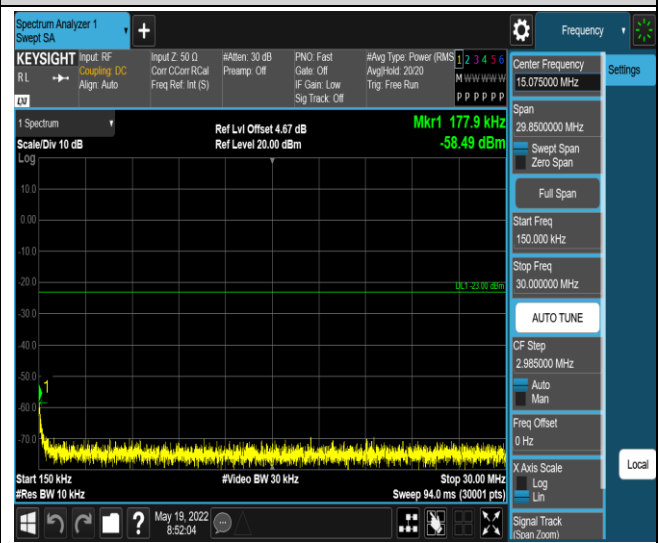
Band4-1513-0.009~0.15MHz



Band4-1513-0.15~30MHz



Band4-1513-30~1000MHz

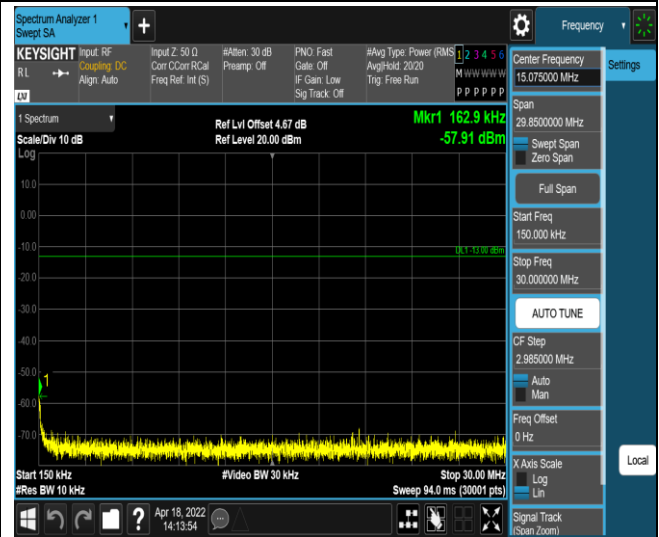
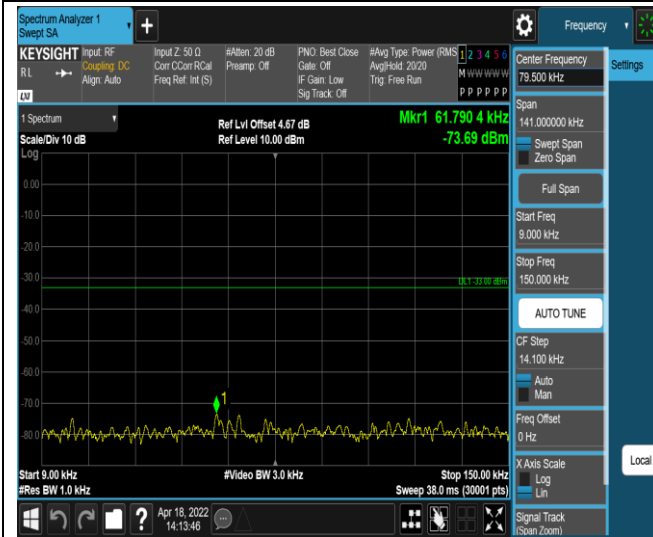


Band4-1513-1000~20000MHz



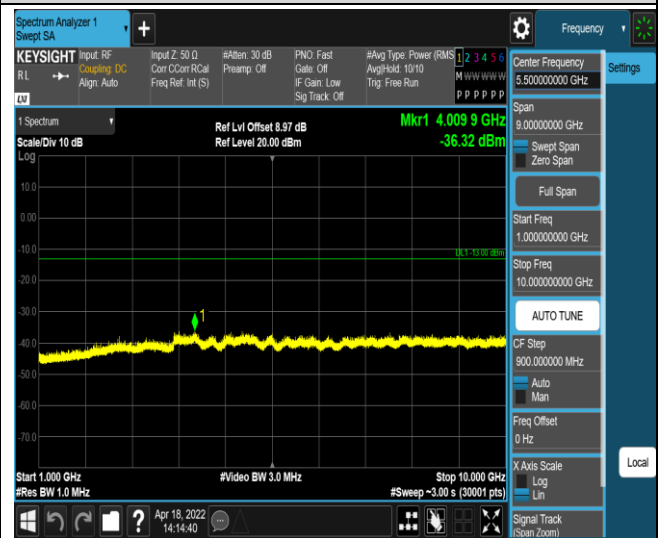
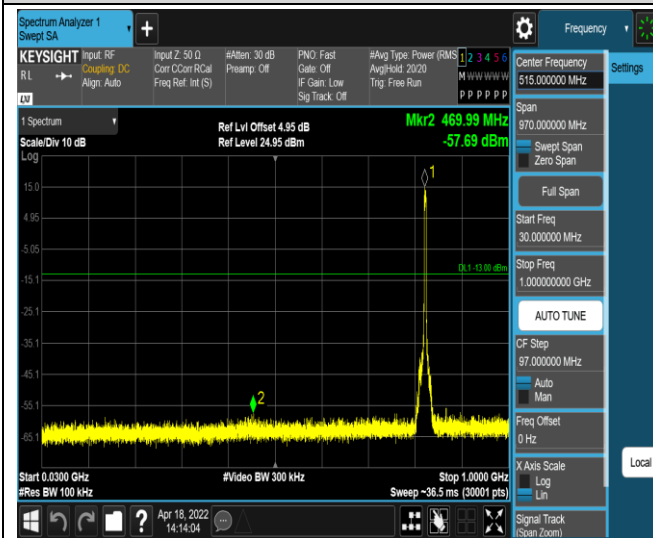
Band5-4132-0.009~0.15MHz

Band5-4132-0.15~30MHz



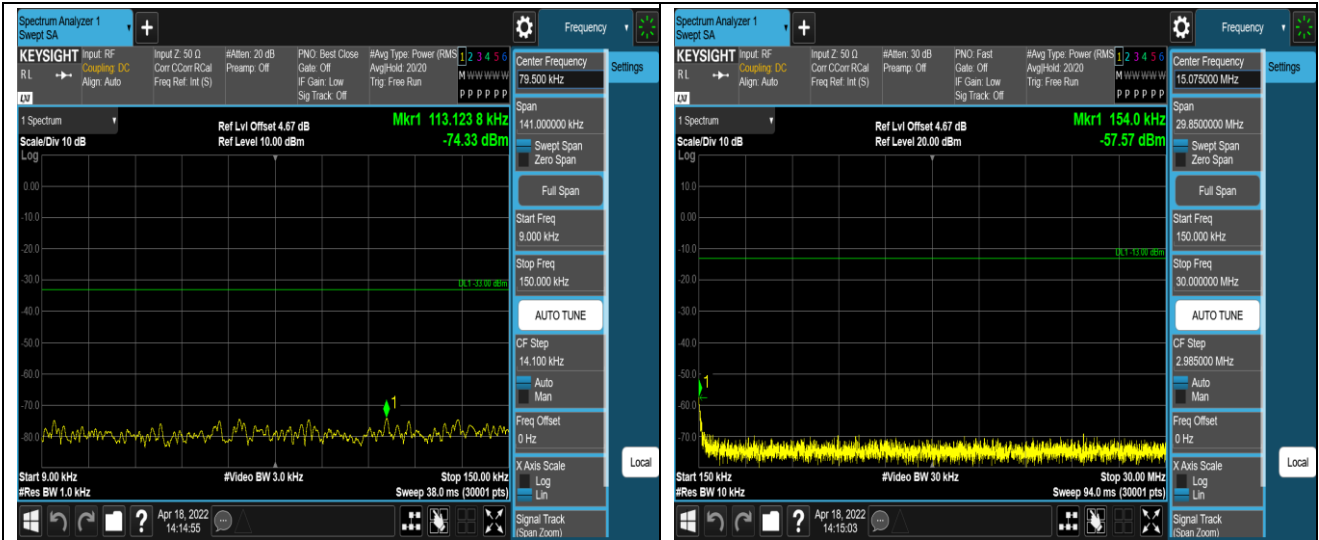
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



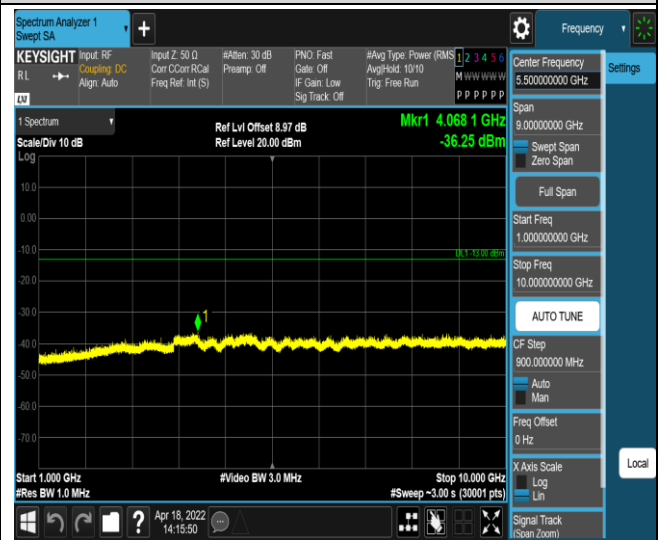
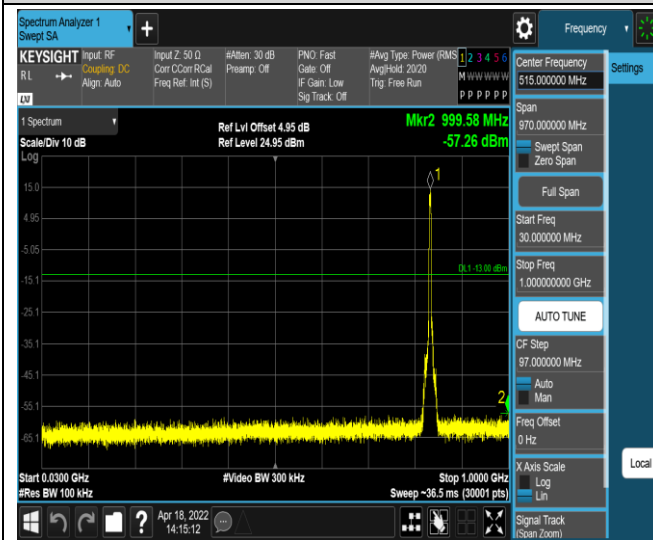
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



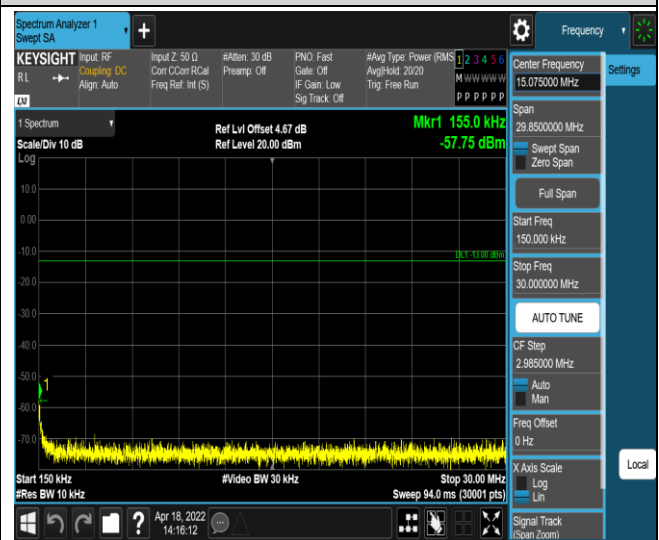
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



Band5-4233-0.009~0.15MHz

Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz

Band5-4233-1000~10000MHz



Appendix F: 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		
7.78	-30	4.42	0.002351	Within authorized band for BAND II	Pass
	-20	4.41	0.002346		
	-10	4.59	0.002441		
	0	4.02	0.002138		
	10	4.13	0.002197		
	20	4.63	0.002463		
	30	4.74	0.002521		
	40	4.30	0.002287		
50	4.18	0.002223			
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	4.03	0.002144	Within authorized band for BAND II	Pass
	7.78	4.16	0.002213		
	8.96	4.48	0.002383		
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 channel=1413 Frequency=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
7.78	-30	-3.33	-0.001922	±2.5	Pass
	-20	-3.45	-0.001991		
	-10	-3.24	-0.001870		
	0	-3.30	-0.001905		
	10	-3.42	-0.001974		
	20	-3.77	-0.002176		
	30	-3.98	-0.002297		
	40	-3.42	-0.001974		
	50	-3.38	-0.001951		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	-3.78	-0.002182	±2.5	Pass
	7.78	-3.63	-0.002095		
	8.96	-3.42	-0.001974		
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		
7.78	-30	0.89	0.001064	±2.5	Pass
	-20	1.22	0.001458		
	-10	1.19	0.001422		
	0	0.99	0.001183		
	10	0.90	0.001076		
	20	1.04	0.001243		
	30	0.62	0.000741		
	40	0.72	0.000861		
	50	0.74	0.000885		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	7.2	0.70	0.000837	±2.5	Pass
	7.78	0.47	0.000562		
	8.96	-0.13	-0.000155		
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
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

