

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	22.19	21.69	33	PASS
Band2	TestMode	9262	22.19	21.69	33	PASS
Band2	TestMode	9400	22.54	22.04	33	PASS
Band2	Voice	9400	22.49	21.99	33	PASS
Band2	TestMode	9538	22.54	22.04	33	PASS
Band2	Voice	9538	22.46	21.96	33	PASS
Band4	Voice	1312	21.39	20.89	30	PASS
Band4	TestMode	1312	21.56	21.06	30	PASS
Band4	Voice	1413	21.67	21.17	30	PASS
Band4	TestMode	1413	21.76	21.26	30	PASS
Band4	TestMode	1513	21.99	21.49	30	PASS
Band4	Voice	1513	21.88	21.38	30	PASS
Band5	Voice	4132	23.81	20.66	38.5	PASS
Band5	TestMode	4132	23.80	20.65	38.5	PASS
Band5	TestMode	4183	24.06	20.91	38.5	PASS
Band5	Voice	4183	23.97	20.82	38.5	PASS
Band5	Voice	4233	23.86	20.71	38.5	PASS
Band5	TestMode	4233	24.01	20.86	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.20	20.70	33	PASS
Band2	9262	2	20.67	20.17	33	PASS
Band2	9262	3	20.63	20.13	33	PASS
Band2	9262	4	20.65	20.15	33	PASS
Band2	9400	1	21.55	21.05	33	PASS
Band2	9400	2	21.00	20.50	33	PASS
Band2	9400	3	20.98	20.48	33	PASS
Band2	9400	4	20.97	20.47	33	PASS
Band2	9538	1	21.52	21.02	33	PASS
Band2	9538	2	20.95	20.45	33	PASS
Band2	9538	3	20.99	20.49	33	PASS
Band2	9538	4	21.03	20.53	33	PASS
Band4	1312	1	20.47	19.97	30	PASS
Band4	1312	2	20.05	19.55	30	PASS

Band4	1312	3	20.01	19.51	30	PASS
Band4	1312	4	19.95	19.45	30	PASS
Band4	1413	1	20.71	20.21	30	PASS
Band4	1413	2	20.23	19.73	30	PASS
Band4	1413	3	20.19	19.69	30	PASS
Band4	1413	4	20.17	19.67	30	PASS
Band4	1513	1	20.90	20.40	30	PASS
Band4	1513	2	20.49	19.99	30	PASS
Band4	1513	3	20.37	19.87	30	PASS
Band4	1513	4	20.40	19.90	30	PASS
Band5	4132	1	22.81	19.66	38.5	PASS
Band5	4132	2	22.26	19.11	38.5	PASS
Band5	4132	3	22.29	19.14	38.5	PASS
Band5	4132	4	22.31	19.16	38.5	PASS
Band5	4183	1	23.07	19.92	38.5	PASS
Band5	4183	2	22.52	19.37	38.5	PASS
Band5	4183	3	22.49	19.34	38.5	PASS
Band5	4183	4	22.57	19.42	38.5	PASS
Band5	4233	1	23.05	19.9	38.5	PASS
Band5	4233	2	22.41	19.26	38.5	PASS
Band5	4233	3	22.44	19.29	38.5	PASS
Band5	4233	4	22.52	19.37	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.17	18.67	33	PASS
Band2	9262	2	19.70	19.20	33	PASS
Band2	9262	3	20.21	19.71	33	PASS
Band2	9262	4	19.22	18.72	33	PASS
Band2	9262	5	21.16	20.66	33	PASS
Band2	9400	1	19.55	19.05	33	PASS
Band2	9400	2	20.04	19.54	33	PASS
Band2	9400	3	20.54	20.04	33	PASS
Band2	9400	4	19.60	19.10	33	PASS
Band2	9400	5	21.50	21.00	33	PASS
Band2	9538	1	19.50	19.00	33	PASS
Band2	9538	2	20.03	19.53	33	PASS
Band2	9538	3	20.46	19.96	33	PASS
Band2	9538	4	19.55	19.05	33	PASS
Band2	9538	5	21.47	20.97	33	PASS
Band4	1312	1	18.53	18.03	30	PASS

Band4	1312	2	19.02	18.52	30	PASS
Band4	1312	3	19.51	19.01	30	PASS
Band4	1312	4	18.52	18.02	30	PASS
Band4	1312	5	20.48	19.98	30	PASS
Band4	1413	1	18.71	18.21	30	PASS
Band4	1413	2	19.24	18.74	30	PASS
Band4	1413	3	19.73	19.23	30	PASS
Band4	1413	4	18.75	18.25	30	PASS
Band4	1413	5	20.72	20.22	30	PASS
Band4	1513	1	18.94	18.44	30	PASS
Band4	1513	2	19.46	18.96	30	PASS
Band4	1513	3	19.93	19.43	30	PASS
Band4	1513	4	18.97	18.47	30	PASS
Band4	1513	5	20.91	20.41	30	PASS
Band5	4132	1	20.87	17.72	38.5	PASS
Band5	4132	2	21.31	18.16	38.5	PASS
Band5	4132	3	21.82	18.67	38.5	PASS
Band5	4132	4	20.89	17.74	38.5	PASS
Band5	4132	5	22.86	19.71	38.5	PASS
Band5	4183	1	21.13	17.98	38.5	PASS
Band5	4183	2	21.57	18.42	38.5	PASS
Band5	4183	3	22.07	18.92	38.5	PASS
Band5	4183	4	21.17	18.02	38.5	PASS
Band5	4183	5	23.07	19.92	38.5	PASS
Band5	4233	1	21.04	17.89	38.5	PASS
Band5	4233	2	21.58	18.43	38.5	PASS
Band5	4233	3	22.03	18.88	38.5	PASS
Band5	4233	4	21.08	17.93	38.5	PASS
Band5	4233	5	23.09	19.94	38.5	PASS

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

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

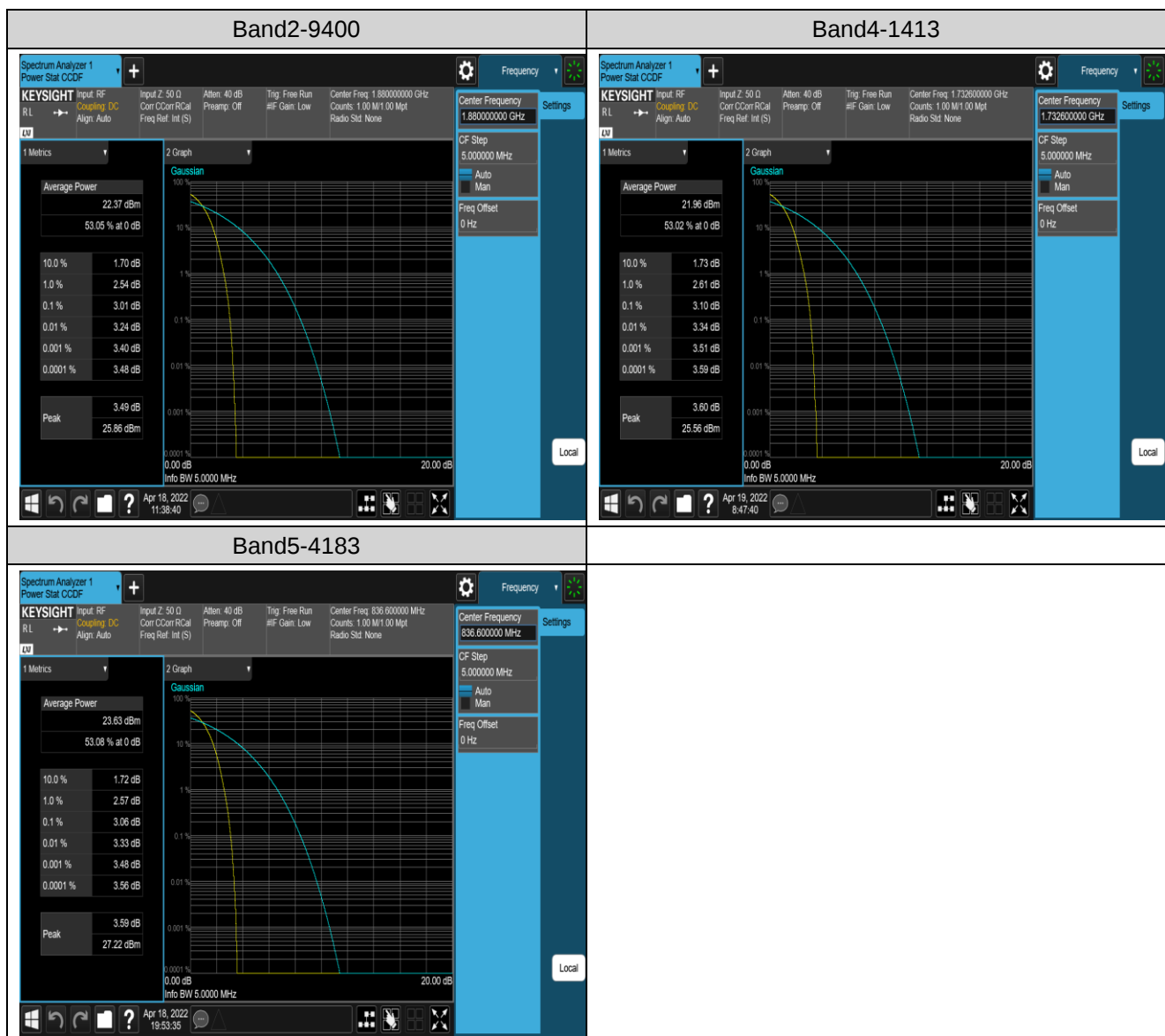
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.01	13	PASS
Band4	1413	3.1	13	PASS
Band5	4183	3.06	13	PASS

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

Test Graphs(WCDMA)

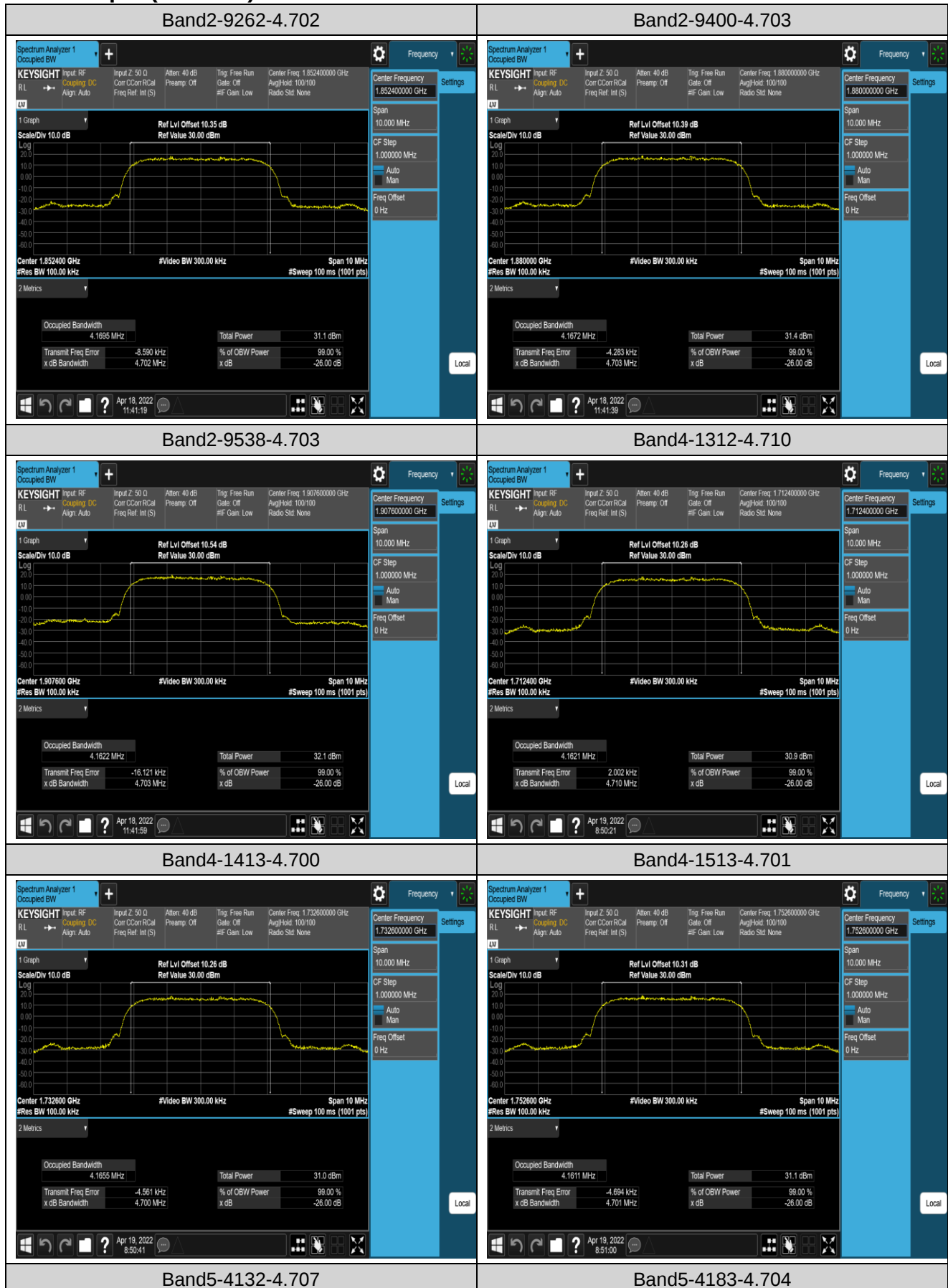


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1695	4.702	---	PASS
Band2	9400	4.1672	4.703	---	PASS
Band2	9538	4.1622	4.703	---	PASS
Band4	1312	4.1621	4.710	---	PASS
Band4	1413	4.1655	4.700	---	PASS
Band4	1513	4.1611	4.701	---	PASS
Band5	4132	4.1592	4.707	---	PASS
Band5	4183	4.1661	4.704	---	PASS
Band5	4233	4.1657	4.707	---	PASS

Test Graphs(WCDMA)





AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.55	-13	PASS
Band2	9538	1910.00	-19.69	-13	PASS
Band4	1312	1710.00	-23.75	-13	PASS
Band4	1513	1755.00	-24.09	-13	PASS
Band5	4132	824.00	-19.98	-13	PASS
Band5	4233	849.00	-20.35	-13	PASS

Test Graphs(WCDMA)

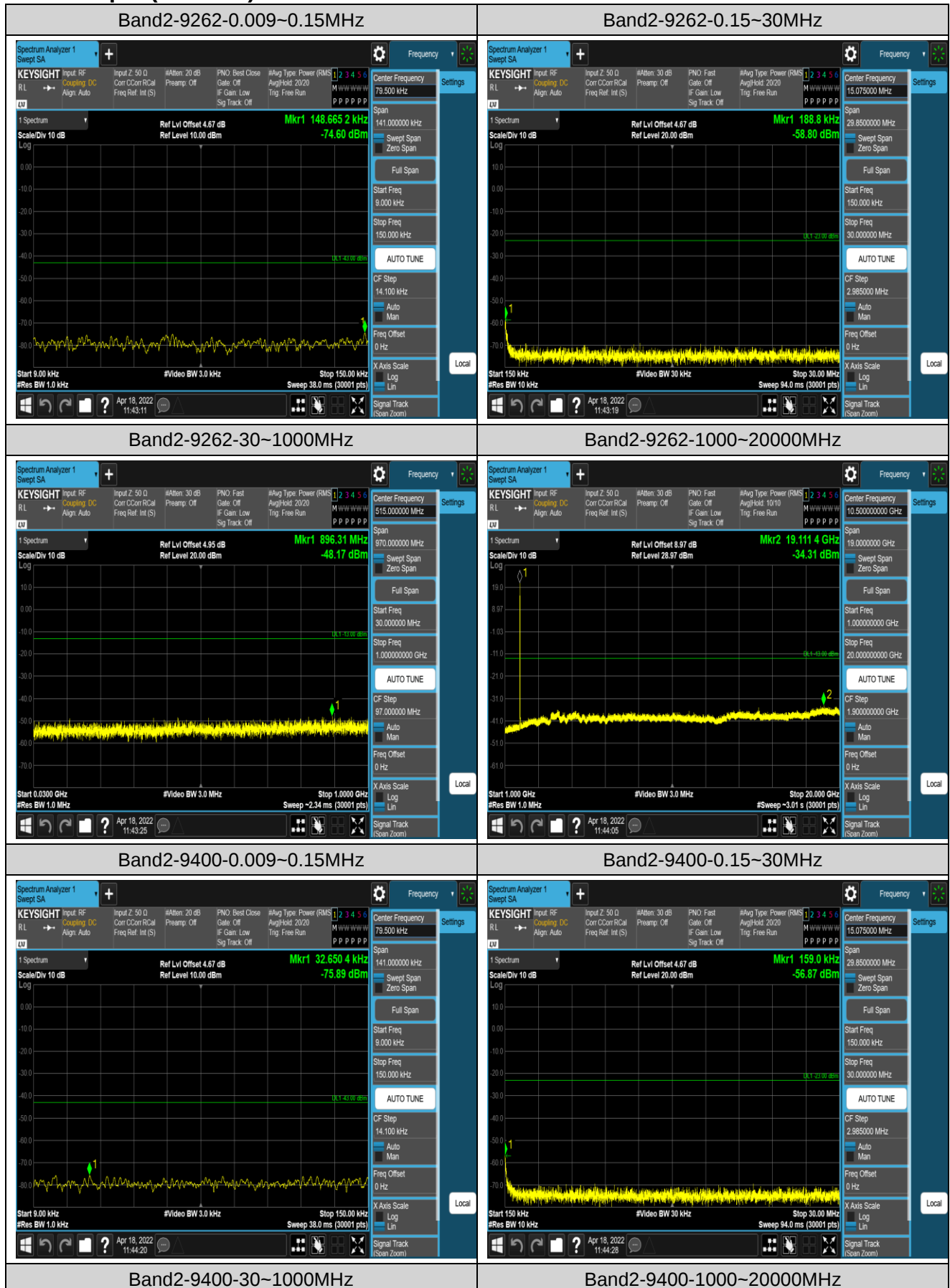


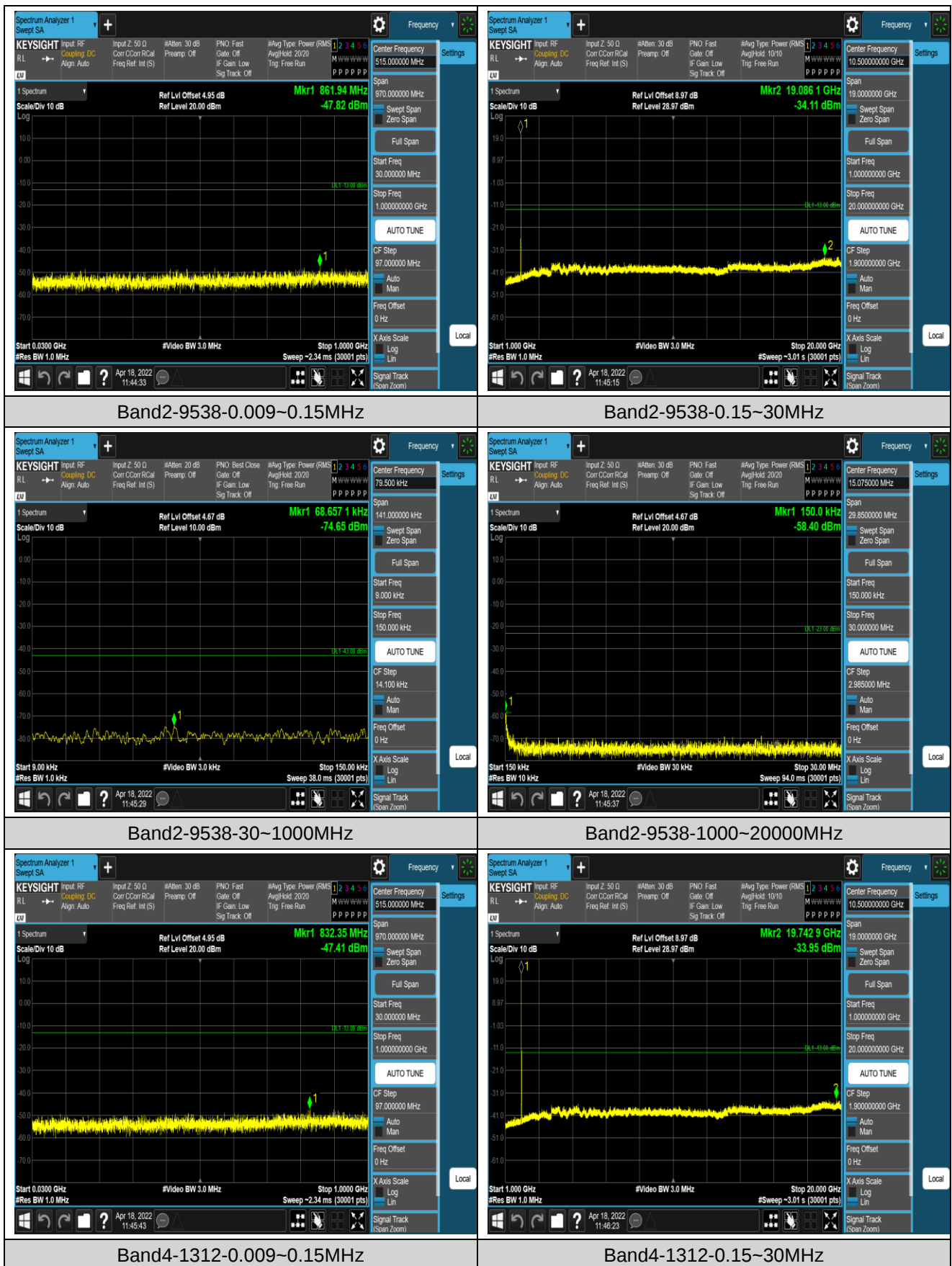
AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

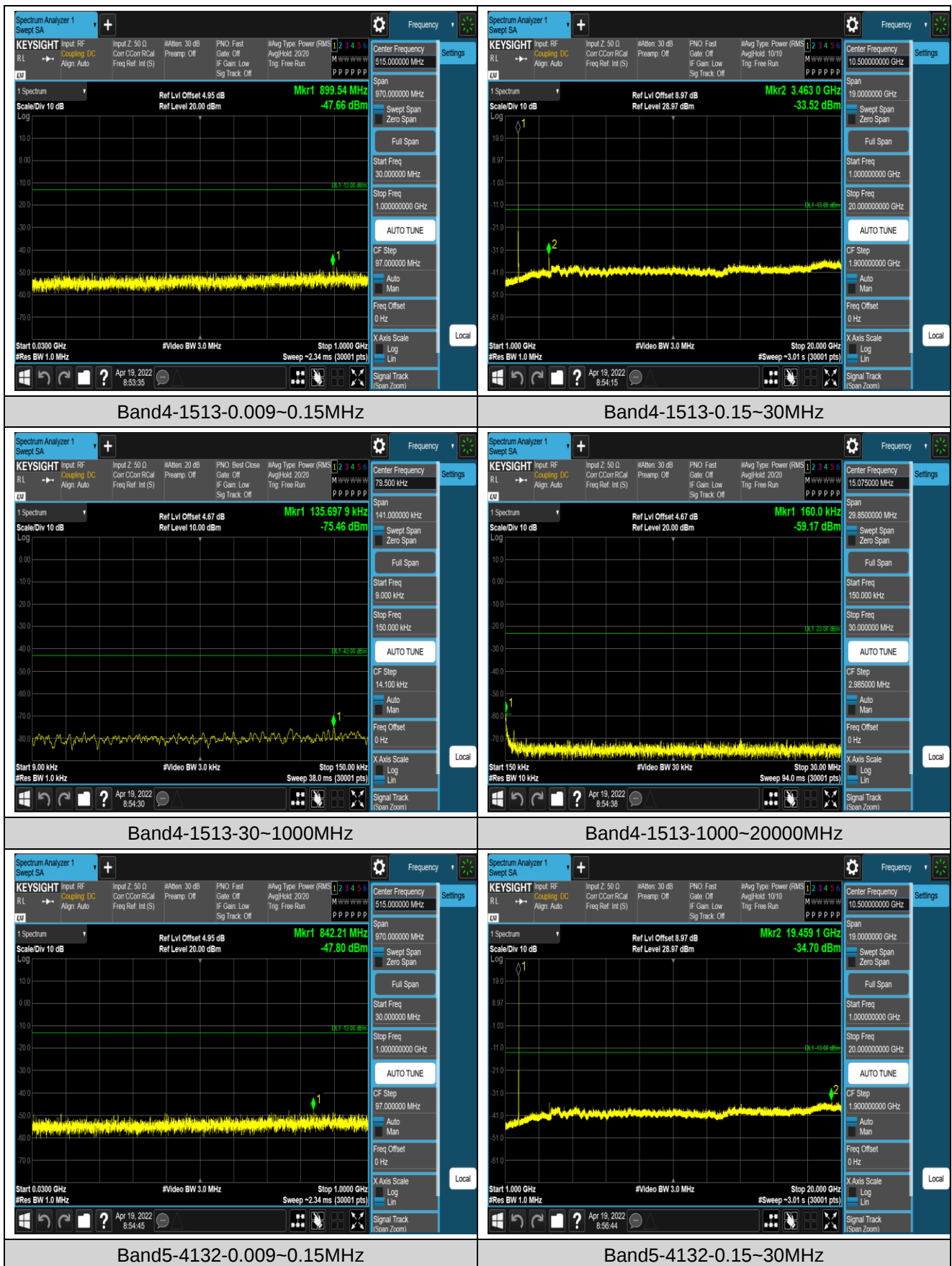
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.15	-74.6	-43	PASS
Band2	9262	0.15~30MHz	0.19	-58.8	-23	PASS
Band2	9262	30~1000MHz	896.31	-48.17	-13	PASS
Band2	9262	1000~20000MHz	19111.43	-34.32	-13	PASS
Band2	9400	0.009~0.15MHz	0.03	-75.89	-43	PASS
Band2	9400	0.15~30MHz	0.16	-56.87	-23	PASS
Band2	9400	30~1000MHz	861.94	-47.82	-13	PASS
Band2	9400	1000~20000MHz	19086.1	-34.11	-13	PASS
Band2	9538	0.009~0.15MHz	0.07	-74.65	-43	PASS
Band2	9538	0.15~30MHz	0.15	-58.4	-23	PASS
Band2	9538	30~1000MHz	832.35	-47.42	-13	PASS
Band2	9538	1000~20000MHz	19742.87	-33.95	-13	PASS
Band4	1312	0.009~0.15MHz	0.11	-75.43	-43	PASS
Band4	1312	0.15~30MHz	0.15	-59.24	-23	PASS
Band4	1312	30~1000MHz	848.23	-47.89	-13	PASS
Band4	1312	1000~20000MHz	3423.13	-30.91	-13	PASS
Band4	1413	0.009~0.15MHz	0.15	-75.19	-43	PASS
Band4	1413	0.15~30MHz	0.15	-57.97	-23	PASS
Band4	1413	30~1000MHz	899.54	-47.66	-13	PASS
Band4	1413	1000~20000MHz	3463.03	-33.52	-13	PASS
Band4	1513	0.009~0.15MHz	0.14	-75.46	-43	PASS
Band4	1513	0.15~30MHz	0.16	-59.17	-23	PASS
Band4	1513	30~1000MHz	842.21	-47.8	-13	PASS
Band4	1513	1000~20000MHz	19459.13	-34.7	-13	PASS
Band5	4132	0.009~0.15MHz	0.08	-74.96	-33	PASS
Band5	4132	0.15~30MHz	0.16	-58.02	-13	PASS
Band5	4132	30~1000MHz	927.06	-57.71	-13	PASS
Band5	4132	1000~10000MHz	7995.7	-35.97	-13	PASS
Band5	4183	0.009~0.15MHz	0.06	-73.86	-33	PASS
Band5	4183	0.15~30MHz	0.17	-58.58	-13	PASS
Band5	4183	30~1000MHz	656.3	-56.68	-13	PASS
Band5	4183	1000~10000MHz	8583.7	-36.37	-13	PASS
Band5	4233	0.009~0.15MHz	0.03	-74.14	-33	PASS
Band5	4233	0.15~30MHz	0.15	-56.74	-13	PASS
Band5	4233	30~1000MHz	724.23	-57.66	-13	PASS
Band5	4233	1000~10000MHz	4929.4	-36	-13	PASS

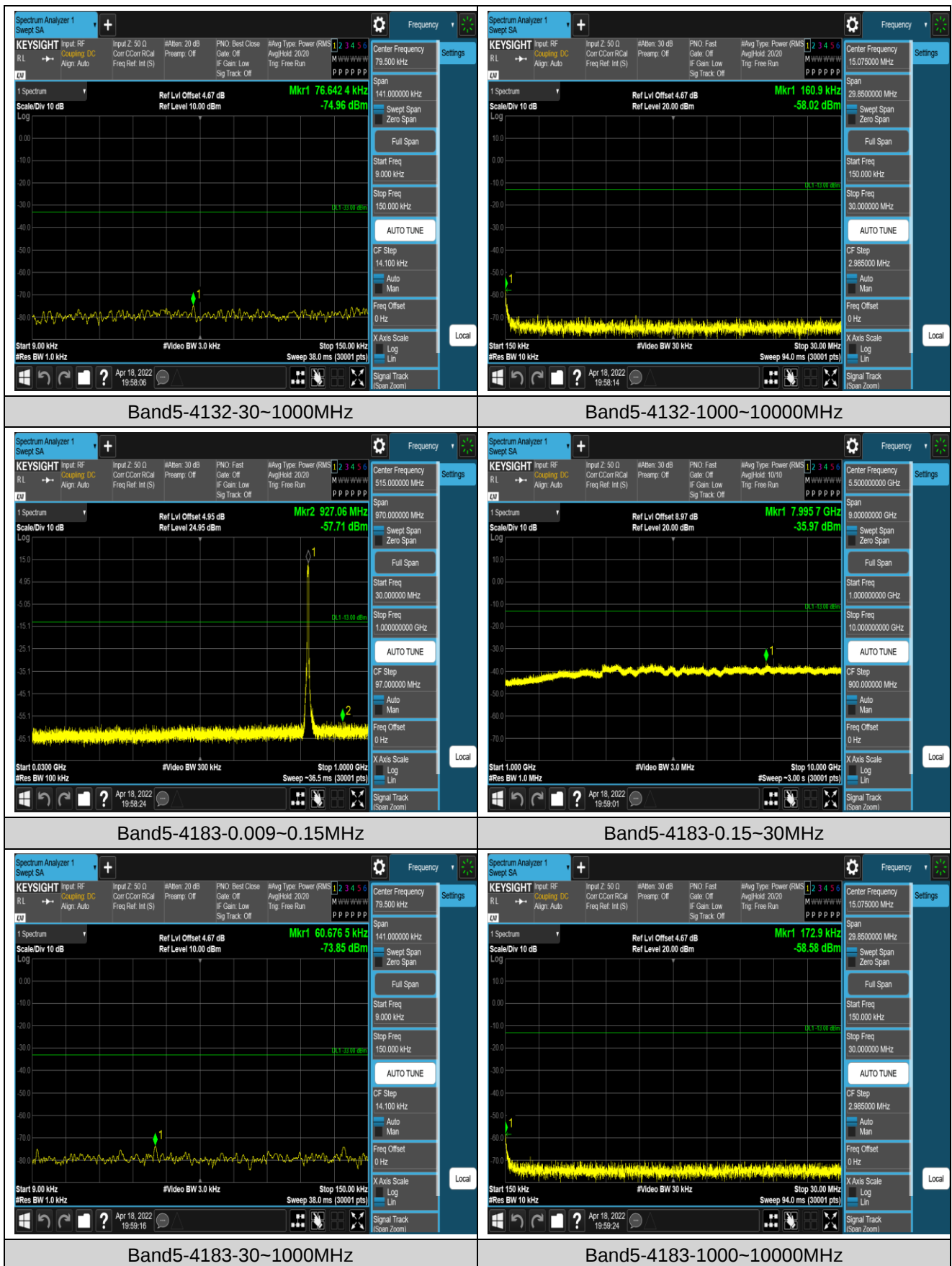
Test Graphs(WCDMA)

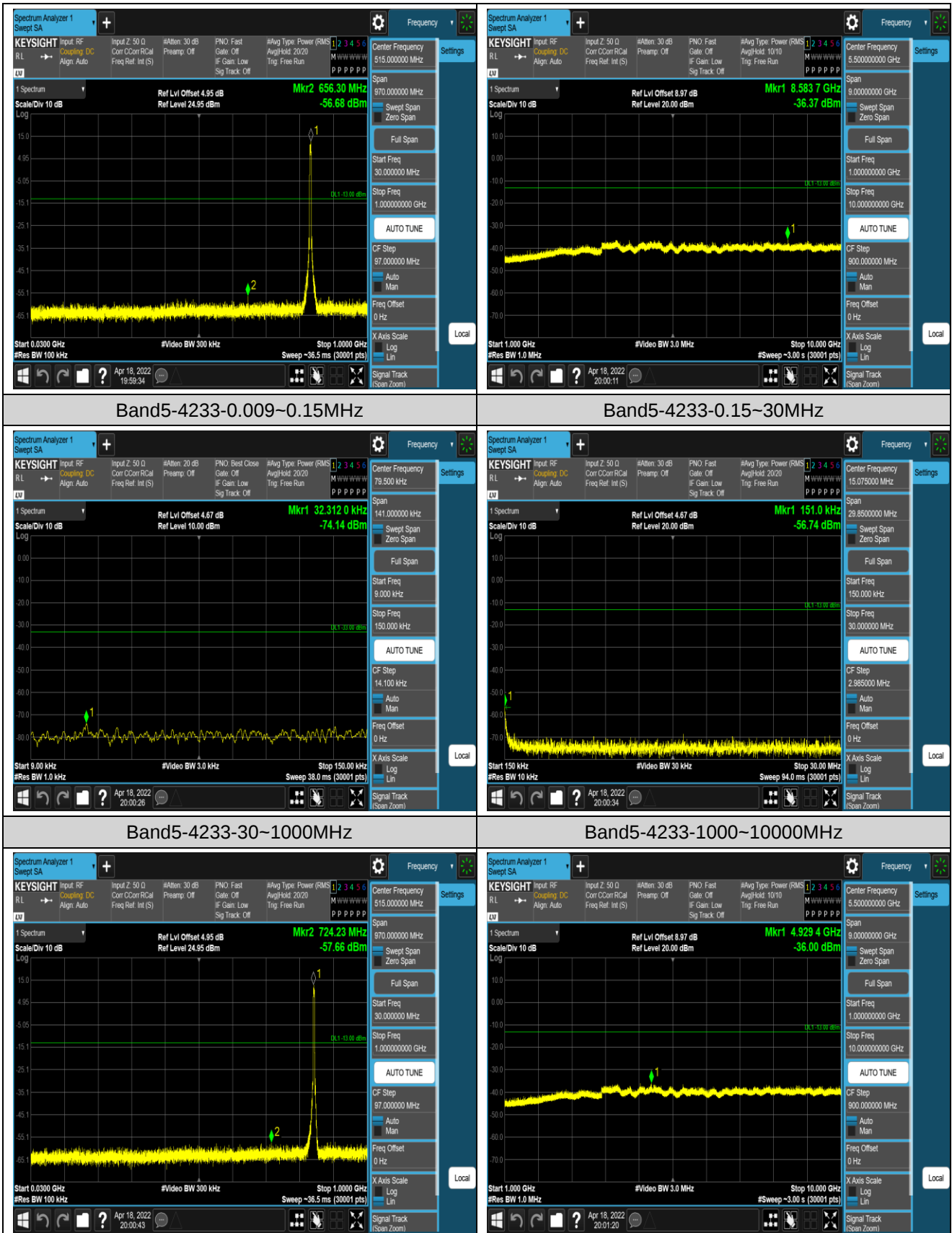












AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-11.44	-0.006085	Within authorized band for BAND II	Pass
	-20	-11.21	-0.005963		
	-10	-14.76	-0.007851		
	0	-11.34	-0.006032		
	10	-10.91	-0.005803		
	20	-13.92	-0.007404		
	30	-12.01	-0.006388		
	40	-11.29	-0.006005		
	50	-4.05	-0.002154		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-11.17	-0.005941	Within authorized band for BAND II	Pass
	3.70	-11.40	-0.006064		
	4.20	-13.89	-0.007388		
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=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-12.97	-0.007486	±2.5	Pass
	-20	-9.73	-0.005616		
	-10	-13.89	-0.008017		
	0	-8.96	-0.005171		
	10	-11.40	-0.006580		
	20	-12.08	-0.006972		
	30	-12.45	-0.007186		
	40	-10.34	-0.005968		
	50	-12.92	-0.007457		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-8.76	-0.005056	±2.5	Pass
	3.70	-7.90	-0.004560		
	4.20	-14.46	-0.008346		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-8.89	-0.010626	±2.5	Pass
	-20	-13.65	-0.016316		
	-10	-13.07	-0.015623		
	0	-5.44	-0.006503		
	10	-5.88	-0.007028		
	20	-8.34	-0.009969		
	30	-8.28	-0.009897		
	40	-8.21	-0.009814		
	50	-9.23	-0.011033		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-11.19	-0.013376	±2.5	Pass
	3.70	-8.61	-0.010292		
	4.20	-5.94	-0.007100		
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

