

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Average Power (dBm)	Antenna Gain (dBi)	ERP/EIRP(dBm)	ERP/EIRP Limit (dBm)
Band2	Voice	9262	22.99	-0.59	22.40	33.00
Band2	RMC	9262	23.04	-0.59	22.45	33.00
Band2	Voice	9400	22.98	-0.59	22.39	33.00
Band2	RMC	9400	23.01	-0.59	22.42	33.00
Band2	Voice	9538	22.96	-0.59	22.37	33.00
Band2	RMC	9538	23.00	-0.59	22.41	33.00
Band5	Voice	4132	23.39	-1.92	19.32	38.45
Band5	RMC	4132	23.15	-1.92	19.08	38.45
Band5	Voice	4183	23.06	-1.92	18.99	38.45
Band5	RMC	4183	23.12	-1.92	19.05	38.45
Band5	Voice	4233	23.04	-1.92	18.97	38.45
Band5	RMC	4233	23.10	-1.92	19.03	38.45

Note: EIRP (dBm) = Average power (dBm) + Antenna Gain (dBi). (For Band2)
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

Test Result(HSDPA)

Band	Type	Channel	SubTest	Average Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)
Band2	HSDPA	9262	1	22.93	-0.59	22.34	33.00
Band2	HSDPA	9262	2	22.74	-0.59	22.15	33.00
Band2	HSDPA	9262	3	22.79	-0.59	22.20	33.00
Band2	HSDPA	9262	4	22.93	-0.59	22.34	33.00
Band2	HSDPA	9400	1	22.99	-0.59	22.40	33.00
Band2	HSDPA	9400	2	22.96	-0.59	22.37	33.00
Band2	HSDPA	9400	3	22.71	-0.59	22.12	33.00
Band2	HSDPA	9400	4	22.73	-0.59	22.14	33.00
Band2	HSDPA	9538	1	22.81	-0.59	22.22	33.00
Band2	HSDPA	9538	2	22.41	-0.59	21.82	33.00
Band2	HSDPA	9538	3	22.16	-0.59	21.57	33.00

Band2	HSDPA	9538	4	22.18	-0.59	21.59	33.00
Band5	HSDPA	4132	1	22.21	-1.92	18.14	38.45
Band5	HSDPA	4132	2	22.04	-1.92	17.97	38.45
Band5	HSDPA	4132	3	21.6	-1.92	17.53	38.45
Band5	HSDPA	4132	4	21.62	-1.92	17.55	38.45
Band5	HSDPA	4183	1	21.94	-1.92	17.87	38.45
Band5	HSDPA	4183	2	21.78	-1.92	17.71	38.45
Band5	HSDPA	4183	3	21.42	-1.92	17.35	38.45
Band5	HSDPA	4183	4	21.43	-1.92	17.36	38.45
Band5	HSDPA	4233	1	22.14	-1.92	18.07	38.45
Band5	HSDPA	4233	2	22.17	-1.92	18.1	38.45
Band5	HSDPA	4233	3	21.7	-1.92	17.63	38.45
Band5	HSDPA	4233	4	21.69	-1.92	17.62	38.45
<i>Note: EIRP (dBm) = Average power (dBm) + Antenna Gain (dBi). (For Band2)</i> <i>ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)</i>							

Test Result(HSUPA)

Band	Type	Channel	SubTest	Average Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIR P Limit (dBm)
Band2	HSUPA	9262	1	20.84	-0.59	20.25	33.00
Band2	HSUPA	9262	2	21.27	-0.59	20.68	33.00
Band2	HSUPA	9262	3	20.8	-0.59	20.21	33.00
Band2	HSUPA	9262	4	21.03	-0.59	20.44	33.00
Band2	HSUPA	9262	5	22.98	-0.59	22.39	33.00
Band2	HSUPA	9400	1	20.86	-0.59	20.27	33.00
Band2	HSUPA	9400	2	21.15	-0.59	20.56	33.00
Band2	HSUPA	9400	3	20.74	-0.59	20.15	33.00
Band2	HSUPA	9400	4	20.95	-0.59	20.36	33.00
Band2	HSUPA	9400	5	22.85	-0.59	22.26	33.00
Band2	HSUPA	9538	1	20.39	-0.59	19.80	33.00
Band2	HSUPA	9538	2	20.63	-0.59	20.04	33.00
Band2	HSUPA	9538	3	20.25	-0.59	19.66	33.00
Band2	HSUPA	9538	4	20.54	-0.59	19.95	33.00
Band5	HSUPA	4132	1	20.81	-1.92	16.74	38.45
Band5	HSUPA	4132	2	20.92	-1.92	16.85	38.45
Band5	HSUPA	4132	3	20.42	-1.92	16.35	38.45
Band5	HSUPA	4132	4	20.22	-1.92	16.15	38.45
Band5	HSUPA	4132	5	22.13	-1.92	18.06	38.45
Band5	HSUPA	4183	1	20.59	-1.92	16.52	38.45
Band5	HSUPA	4183	2	20.76	-1.92	16.69	38.45
Band5	HSUPA	4183	3	20.26	-1.92	16.19	38.45
Band5	HSUPA	4183	4	20.07	-1.92	16	38.45
Band5	HSUPA	4183	5	21.85	-1.92	17.78	38.45
Band5	HSUPA	4233	1	20.8	-1.92	16.73	38.45
Band5	HSUPA	4233	2	20.77	-1.92	16.7	38.45
Band5	HSUPA	4233	3	20.27	-1.92	16.2	38.45
Band5	HSUPA	4233	4	20.17	-1.92	16.1	38.45
Band5	HSUPA	4233	5	21.96	-1.92	17.89	38.45

Note: EIRP (dBm) = Average power (dBm) + Antenna Gain (dBi). (For Band2)

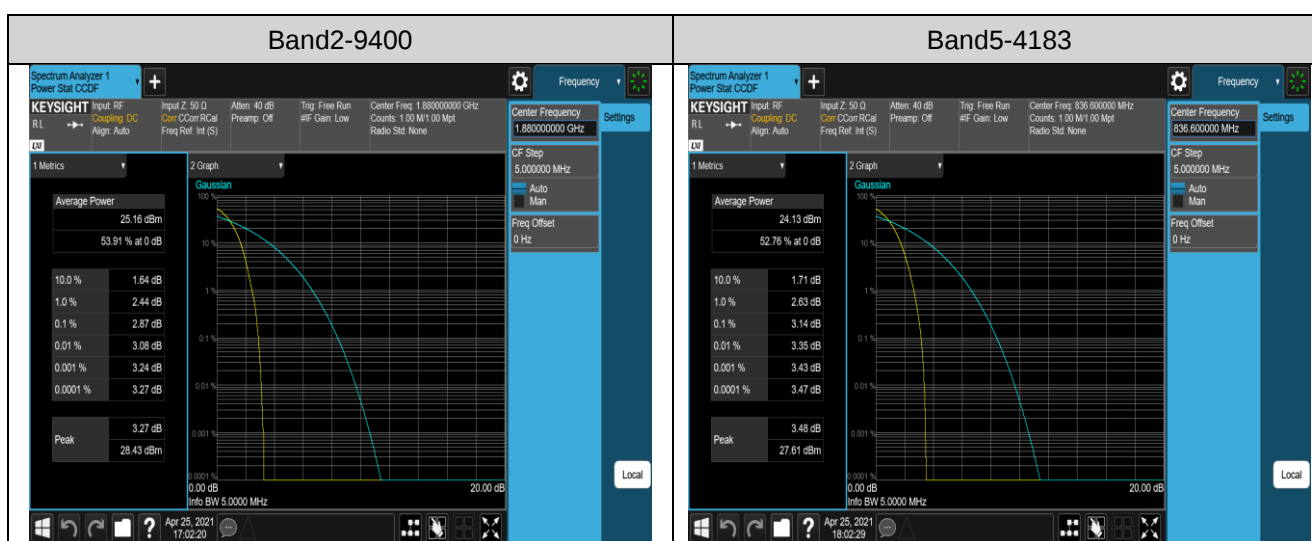
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.87	13	PASS
Band5	4183	3.14	13	PASS

Test Graphs(WCDMA)

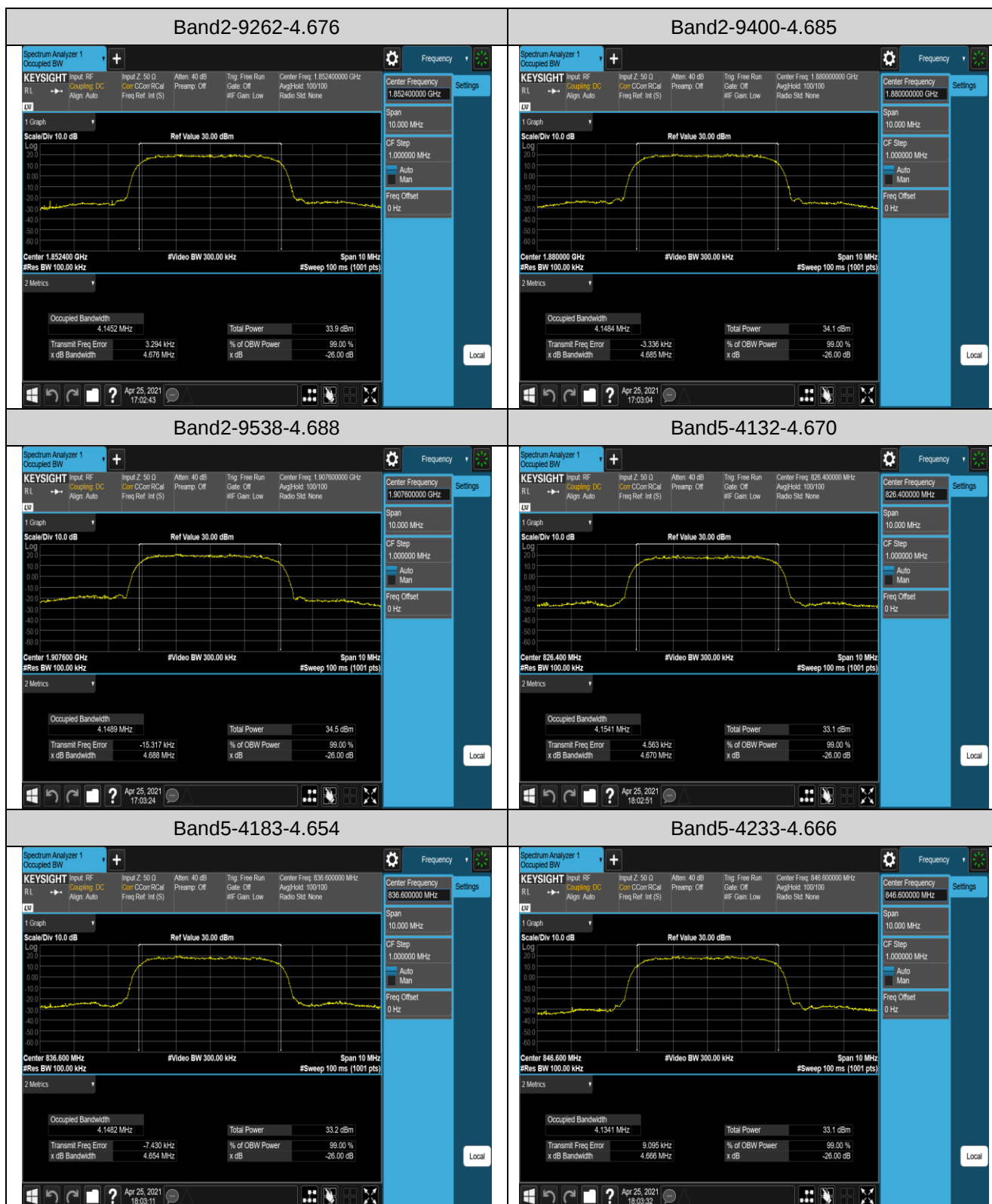


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1452	4.676	---	PASS
Band2	9400	4.1484	4.685	---	PASS
Band2	9538	4.1489	4.688	---	PASS
Band5	4132	4.1541	4.670	---	PASS
Band5	4183	4.1482	4.654	---	PASS
Band5	4233	4.1341	4.666	---	PASS

Test Graphs(WCDMA)

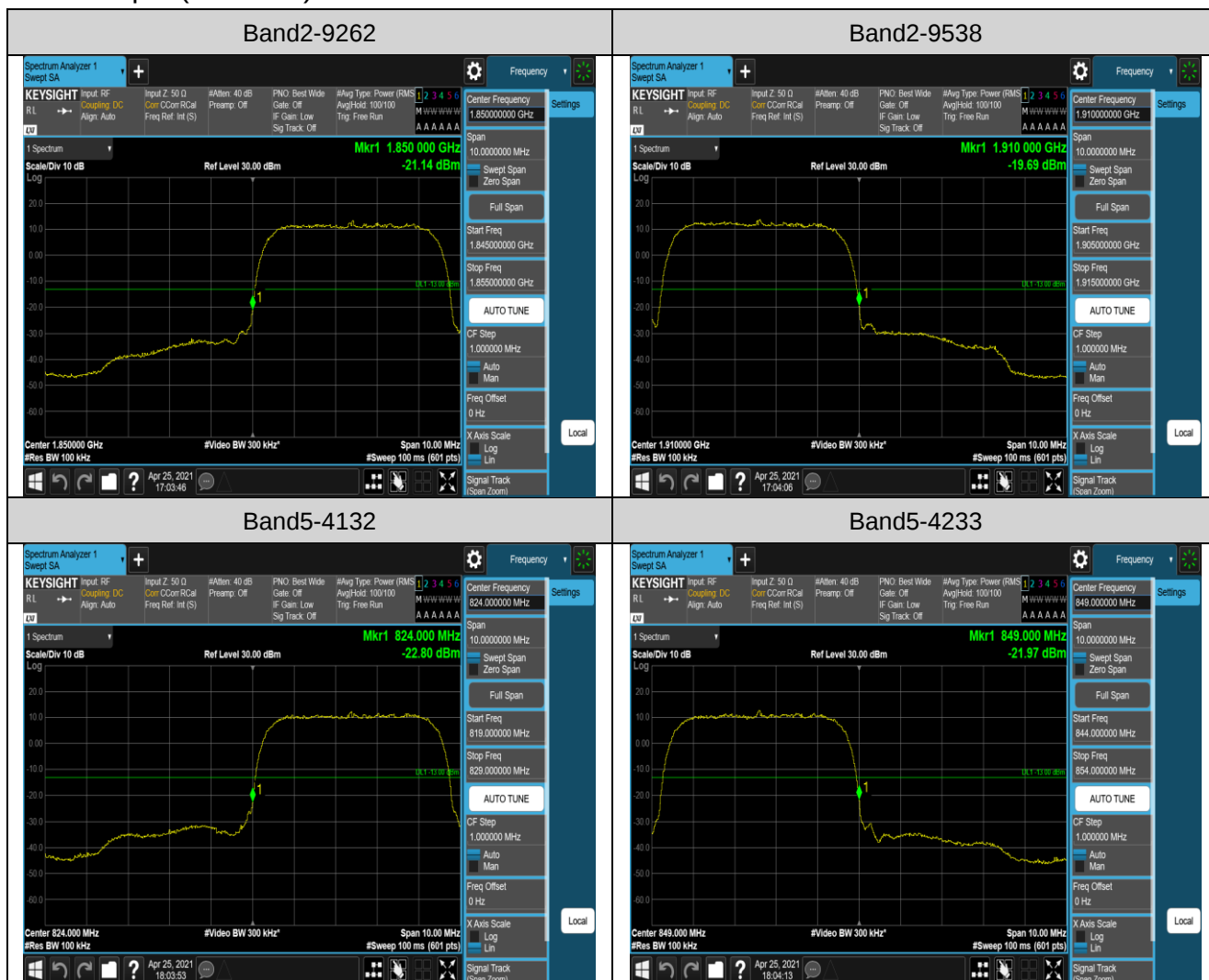


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-21.14	-13	PASS
Band2	9538	1910.00	-19.69	-13	PASS
Band5	4132	824.00	-22.80	-13	PASS
Band5	4233	849.00	-21.97	-13	PASS

Test Graphs(WCDMA)



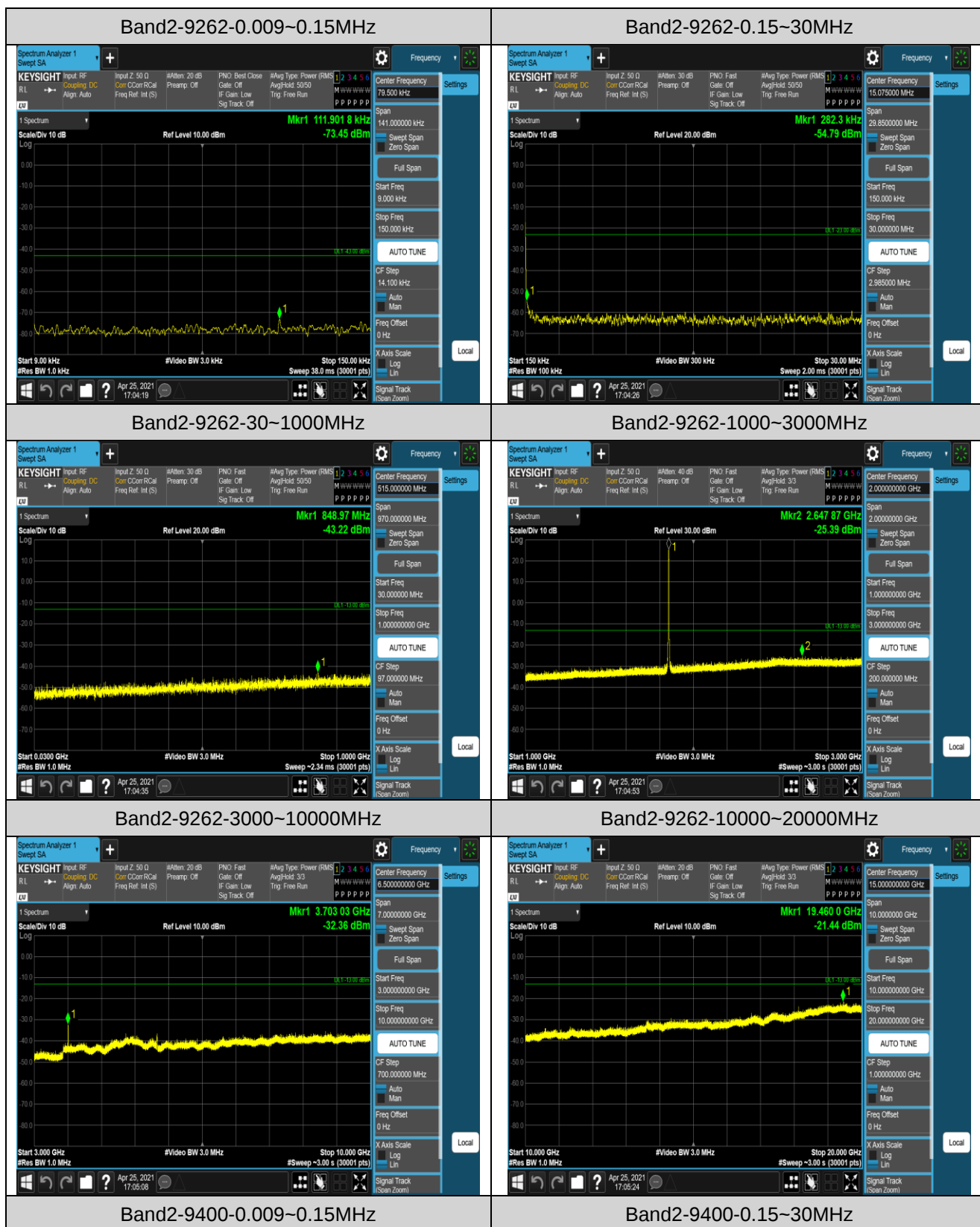
AppendixE:Conducted SpuriousEmission

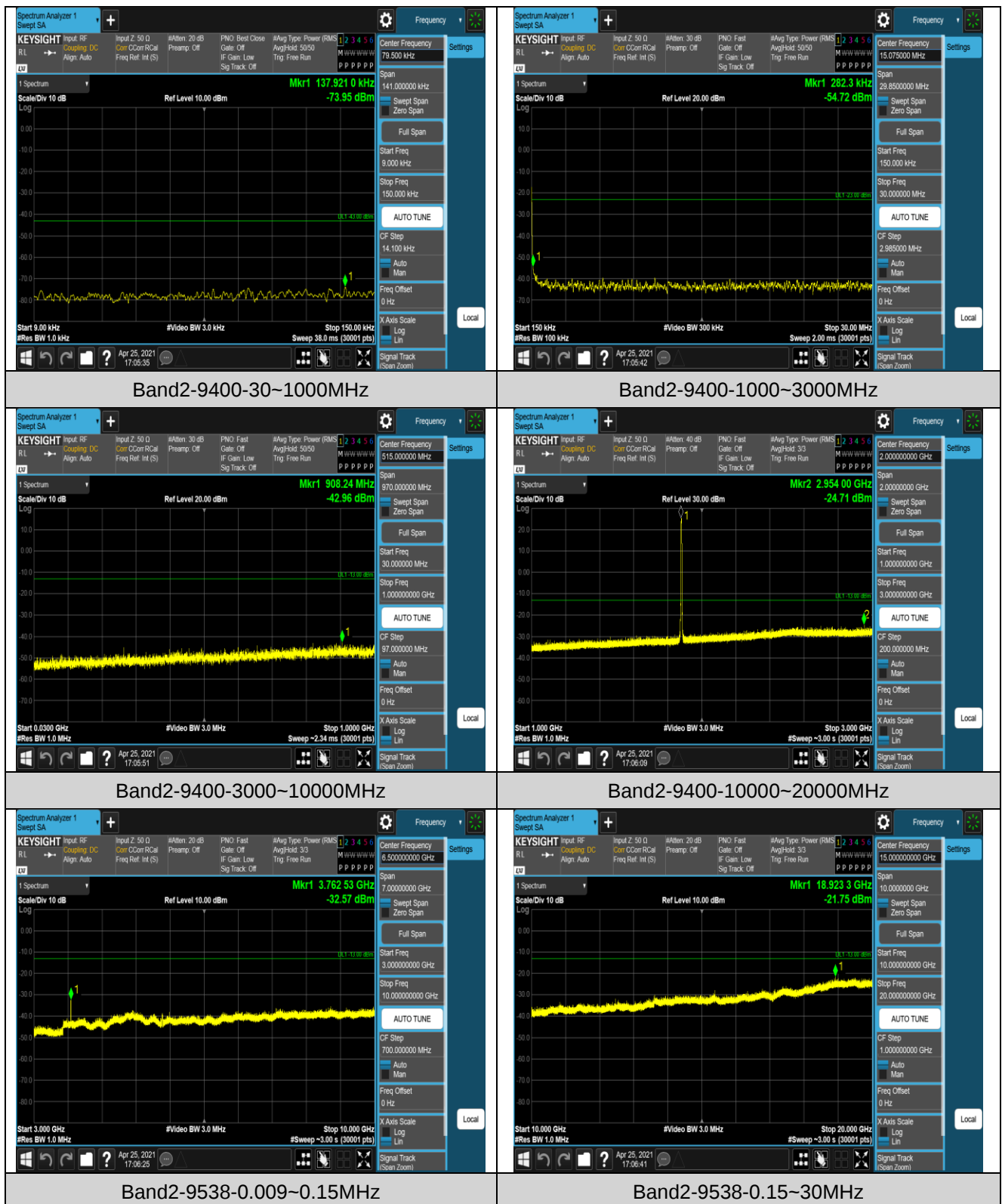
Test Result(WCDMA)

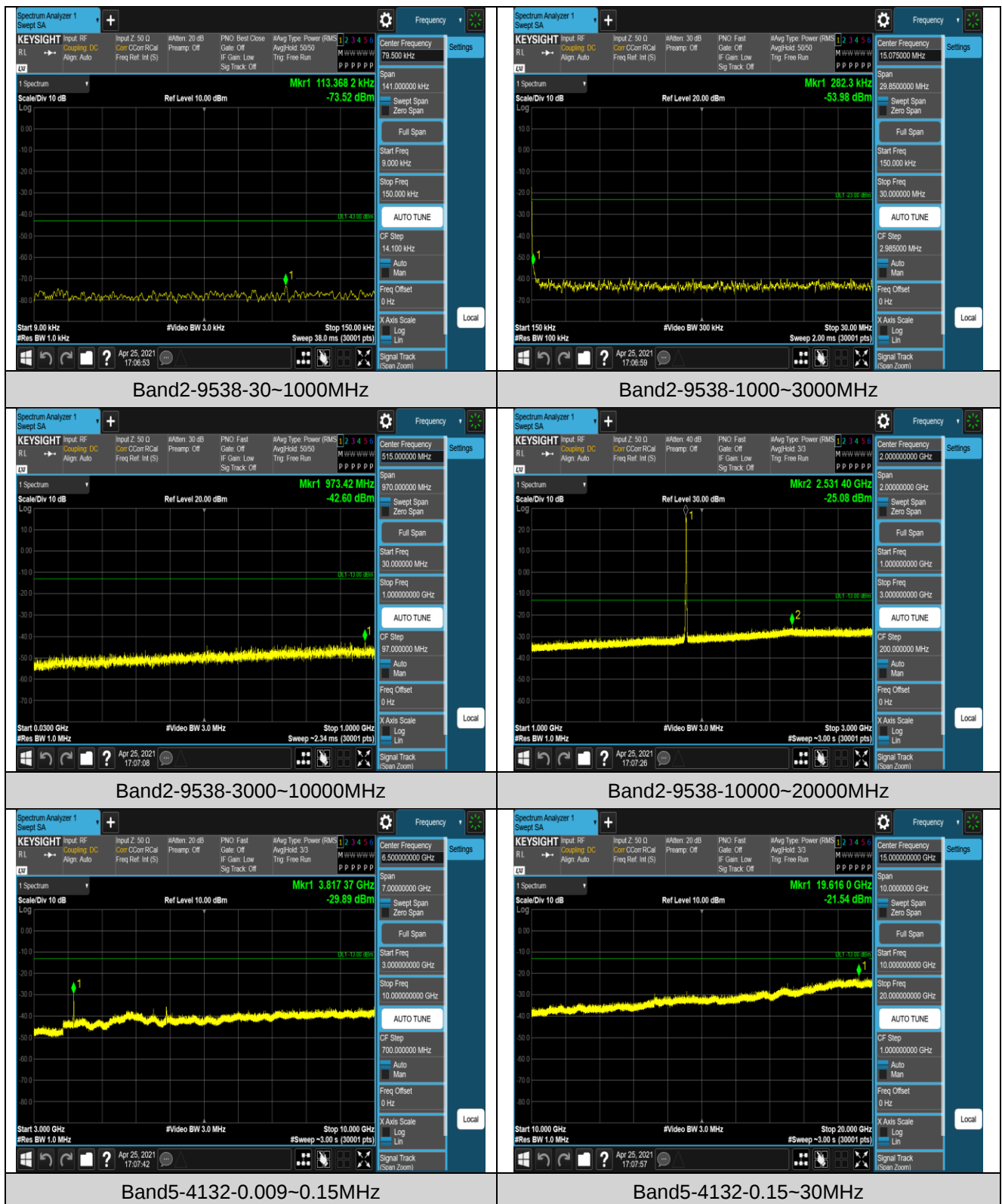
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.11	-73.45	-43	PASS
Band2	9262	0.15~30MHz	0.28	-54.79	-23	PASS
Band2	9262	30~1000MHz	848.97	-43.22	-13	PASS
Band2	9262	1000~3000MHz	2647.87	-25.39	-13	PASS
Band2	9262	3000~10000MHz	3703.03	-32.36	-13	PASS
Band2	9262	10000~20000MHz	19460	-21.44	-13	PASS
Band2	9400	0.009~0.15MHz	0.14	-73.95	-43	PASS
Band2	9400	0.15~30MHz	0.28	-54.72	-23	PASS
Band2	9400	30~1000MHz	908.24	-42.96	-13	PASS
Band2	9400	1000~3000MHz	2954	-24.71	-13	PASS
Band2	9400	3000~10000MHz	3762.53	-32.57	-13	PASS
Band2	9400	10000~20000MHz	18923.33	-21.75	-13	PASS
Band2	9538	0.009~0.15MHz	0.11	-73.52	-43	PASS
Band2	9538	0.15~30MHz	0.28	-53.98	-23	PASS
Band2	9538	30~1000MHz	973.42	-42.61	-13	PASS
Band2	9538	1000~3000MHz	2531.4	-25.08	-13	PASS
Band2	9538	3000~10000MHz	3817.37	-29.89	-13	PASS
Band2	9538	10000~20000MHz	19616	-21.54	-13	PASS
Band5	4132	0.009~0.15MHz	0.15	-73.51	-33	PASS
Band5	4132	0.15~30MHz	0.28	-53.5	-13	PASS
Band5	4132	30~1000MHz	968.7	-33.02	-13	PASS
Band5	4132	1000~3000MHz	2518.67	-34.25	-13	PASS
Band5	4132	3000~10000MHz	3309.87	-15.75	-13	PASS
Band5	4132	10000~18000MHz	17517.6	-38.45	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-72.64	-33	PASS
Band5	4183	0.15~30MHz	0.28	-54.15	-13	PASS
Band5	4183	30~1000MHz	999.61	-33.65	-13	PASS
Band5	4183	1000~3000MHz	2798.8	-34.33	-13	PASS
Band5	4183	3000~10000MHz	3350.7	-16.6	-13	PASS
Band5	4183	10000~18000MHz	17618.4	-38.76	-13	PASS
Band5	4233	0.009~0.15MHz	0.12	-74.04	-33	PASS

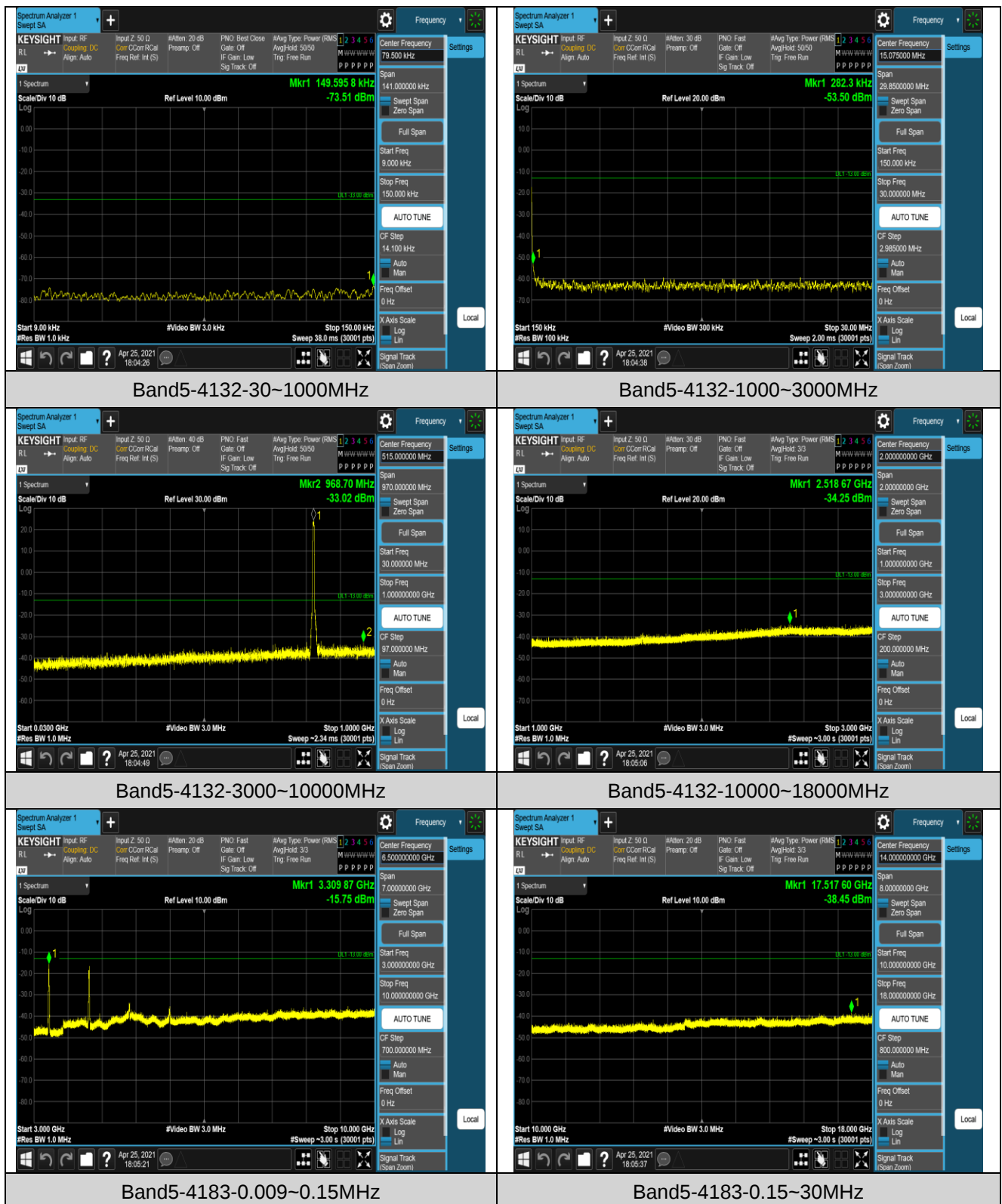
Band5	4233	0.15~30MHz	0.28	-53.35	-13	PASS
Band5	4233	30~1000MHz	965.14	-33.52	-13	PASS
Band5	4233	1000~3000MHz	2879.33	-34.61	-13	PASS
Band5	4233	3000~10000MHz	3382.2	-14.3	-13	PASS
Band5	4233	10000~18000MHz	16815.47	-39.06	-13	PASS

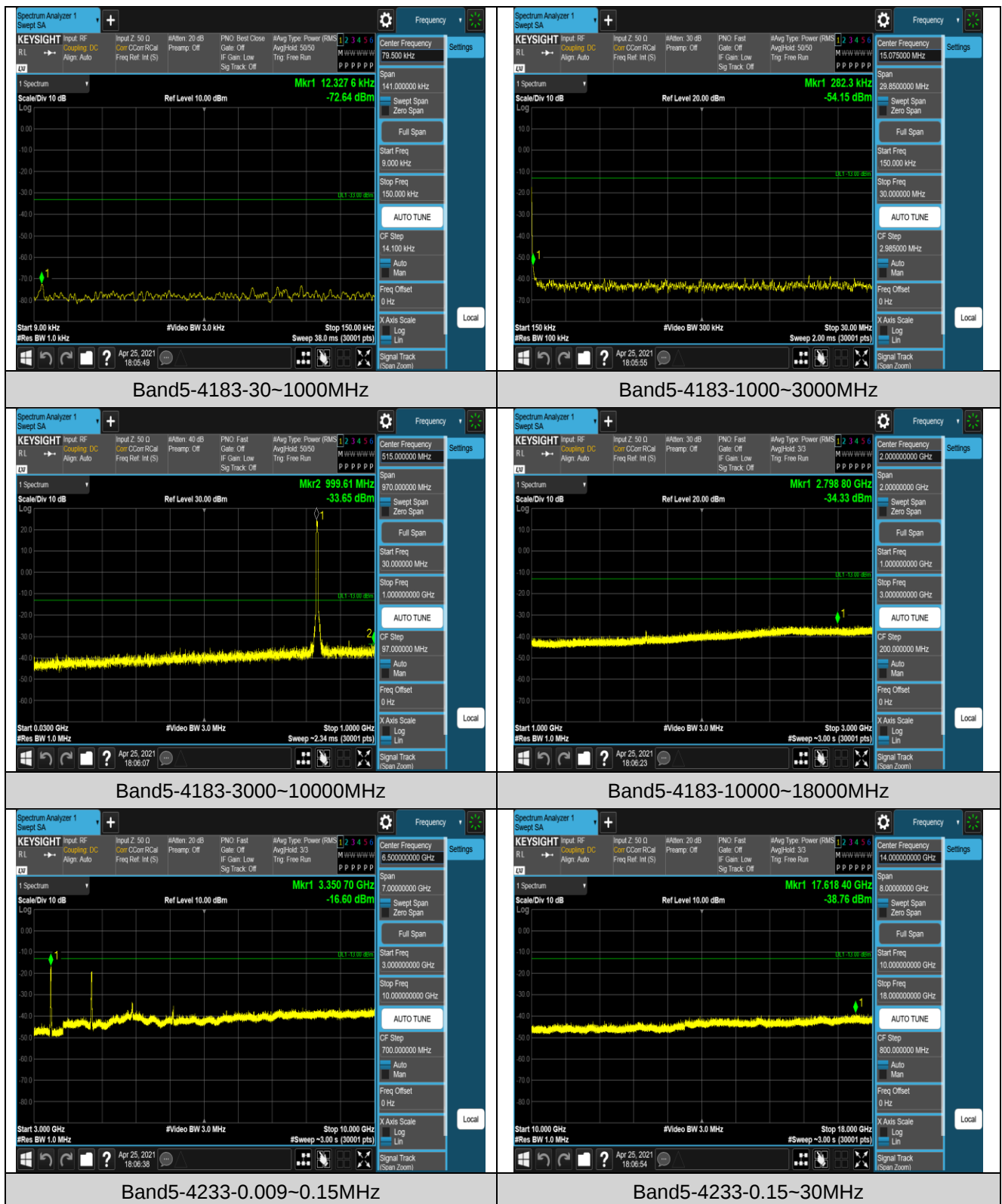
Test Graphs(WCDMA)

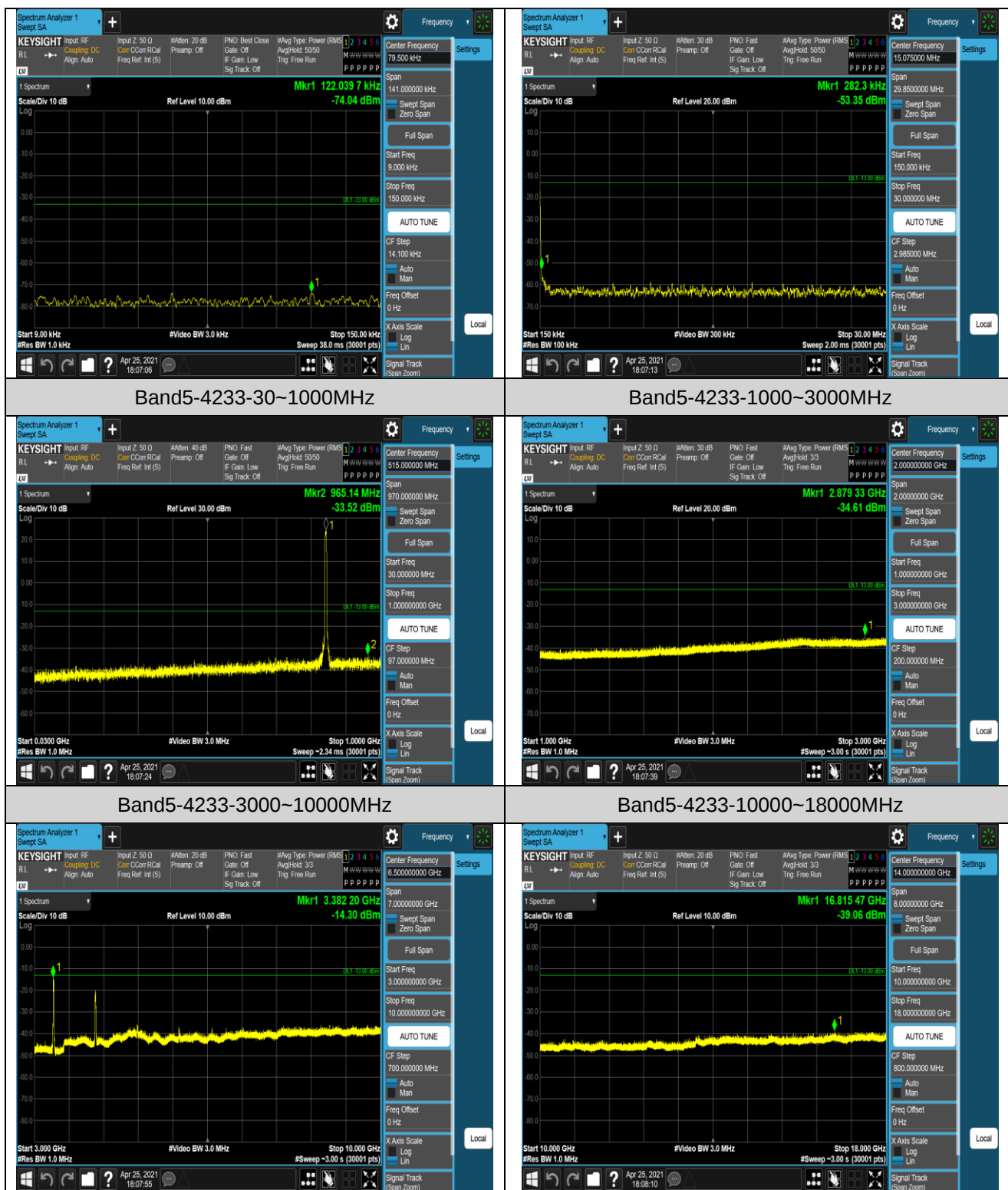












Appendix F: Frequency Stability

Test Result (the worst channel)

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	-0.35	-0.000418	±2.5	Pass
	-20	1.01	0.001207		
	-10	2.02	0.002415		
	0	0.94	0.001124		
	10	0.61	0.000729		
	20	-0.28	-0.000335		
	30	0.67	0.000801		
	40	-0.51	-0.000610		
	50	1.17	0.001399		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.04	0.000048	±2.5	Pass
	3.85	0.64	0.000765		
	4.42	0.92	0.001100		
Note: Only the worst case shown in the 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		
3.85	-30	-0.21	-0.000112	Within authorized band for BAND II	Pass
	-20	-0.08	-0.000043		
	-10	-0.62	-0.000330		
	0	1.09	0.000580		
	10	-1.04	-0.000553		
	20	0.41	0.000218		
	30	-0.61	-0.000324		
	40	2.95	0.001569		
	50	-2.49	-0.001324		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.79	-0.000420	Within authorized band for BAND II	Pass
	3.85	-0.21	-0.000112		
	4.42	-2.40	-0.001277		
Note: Only the worst case shown in the report.					