

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	22.69	-1.20	21.49	33.00
Band2	RMC	9262	22.78	-1.20	21.61	33.00
Band2	Voice	9400	22.75	-1.20	21.55	33.00
Band2	RMC	9400	22.81	-1.20	21.61	33.00
Band2	Voice	9538	22.47	-1.20	21.27	33.00
Band2	RMC	9538	22.52	-1.20	21.32	33.00
Band5	Voice	4132	22.43	-2.00	18.31	38.45
Band5	RMC	4132	22.46	-2.00	18.28	38.45
Band5	Voice	4183	22.64	-2.00	18.52	38.45
Band5	RMC	4183	22.67	-2.00	18.49	38.45
Band5	Voice	4233	22.82	-2.00	18.71	38.45
Band5	RMC	4233	22.86	-2.00	18.67	38.45

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

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

Band	Type	Channel	SubTest	Average Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)
Band2	HSDPA	9262	1	22.65	-1.20	21.45	33.00
Band2	HSDPA	9262	2	22.34	-1.20	21.14	33.00
Band2	HSDPA	9262	3	22.00	-1.20	20.80	33.00
Band2	HSDPA	9262	4	22.06	-1.20	20.86	33.00
Band2	HSDPA	9400	1	22.72	-1.20	21.52	33.00
Band2	HSDPA	9400	2	22.32	-1.20	21.12	33.00
Band2	HSDPA	9400	3	21.98	-1.20	20.78	33.00
Band2	HSDPA	9400	4	22.08	-1.20	20.88	33.00
Band2	HSDPA	9538	1	22.13	-1.20	20.93	33.00
Band2	HSDPA	9538	2	21.77	-1.20	20.57	33.00
Band2	HSDPA	9538	3	21.45	-1.20	20.25	33.00
Band2	HSDPA	9538	4	21.56	-1.20	20.36	33.00
Band2	HSUPA	9262	1	20.30	-1.20	19.10	33.00

Band2	HSUPA	9262	2	20.71	-1.20	19.51	33.00
Band2	HSUPA	9262	3	20.19	-1.20	18.99	33.00
Band2	HSUPA	9262	4	20.52	-1.20	19.32	33.00
Band2	HSUPA	9262	5	22.59	-1.20	21.39	33.00
Band2	HSUPA	9400	1	20.12	-1.20	18.92	33.00
Band2	HSUPA	9400	2	20.61	-1.20	19.41	33.00
Band2	HSUPA	9400	3	20.10	-1.20	18.90	33.00
Band2	HSUPA	9400	4	20.39	-1.20	19.19	33.00
Band2	HSUPA	9400	5	22.47	-1.20	21.27	33.00
Band2	HSUPA	9538	1	19.60	-1.20	18.40	33.00
Band2	HSUPA	9538	2	20.09	-1.20	18.89	33.00
Band2	HSUPA	9538	3	19.61	-1.20	18.41	33.00
Band2	HSUPA	9538	4	19.88	-1.20	18.68	33.00
Band2	HSUPA	9538	5	22.03	-1.20	20.83	33.00
Band5	HSDPA	4132	1	22.30	-2.00	18.15	38.45
Band5	HSDPA	4132	2	21.92	-2.00	17.77	38.45
Band5	HSDPA	4132	3	21.66	-2.00	17.51	38.45
Band5	HSDPA	4132	4	21.59	-2.00	17.44	38.45
Band5	HSDPA	4183	1	21.62	-2.00	17.47	38.45
Band5	HSDPA	4183	2	21.52	-2.00	17.37	38.45
Band5	HSDPA	4183	3	20.84	-2.00	16.69	38.45
Band5	HSDPA	4183	4	20.84	-2.00	16.69	38.45
Band5	HSDPA	4233	1	22.36	-2.00	18.21	38.45
Band5	HSDPA	4233	2	22.17	-2.00	18.02	38.45
Band5	HSDPA	4233	3	21.58	-2.00	17.43	38.45
Band5	HSDPA	4233	4	21.62	-2.00	17.47	38.45
Band5	HSUPA	4132	1	20.74	-2.00	16.59	38.45
Band5	HSUPA	4132	2	20.81	-2.00	16.66	38.45
Band5	HSUPA	4132	3	20.38	-2.00	16.23	38.45
Band5	HSUPA	4132	4	20.27	-2.00	16.12	38.45
Band5	HSUPA	4132	5	22.10	-2.00	17.95	38.45
Band5	HSUPA	4183	1	19.96	-2.00	15.81	38.45
Band5	HSUPA	4183	2	20.17	-2.00	16.02	38.45
Band5	HSUPA	4183	3	19.66	-2.00	15.51	38.45
Band5	HSUPA	4183	4	19.43	-2.00	15.28	38.45

Band5	HSUPA	4183	5	21.42	-2.00	17.27	38.45
Band5	HSUPA	4233	1	20.74	-2.00	16.59	38.45
Band5	HSUPA	4233	2	20.90	-2.00	16.75	38.45
Band5	HSUPA	4233	3	20.40	-2.00	16.25	38.45
Band5	HSUPA	4233	4	20.28	-2.00	16.13	38.45
Band5	HSUPA	4233	5	22.14	-2.00	17.99	38.45

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

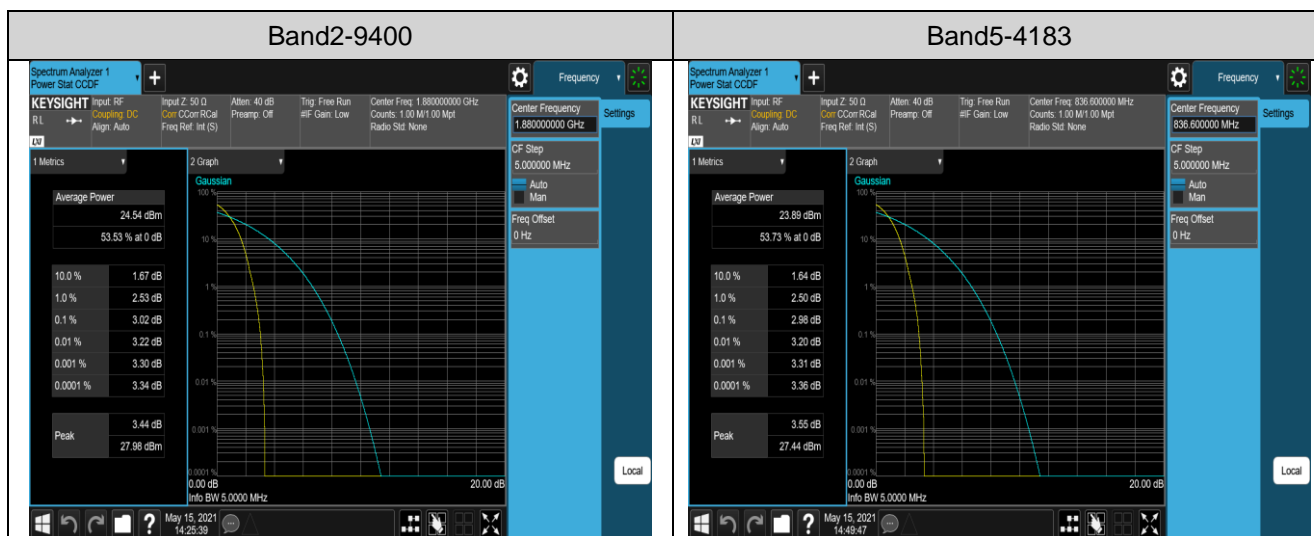
ERP (dBm) = EIRP (dBm) - 2.15 (dB).

Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.02	13	PASS
Band5	4183	2.98	13	PASS

Test Graphs(WCDMA)

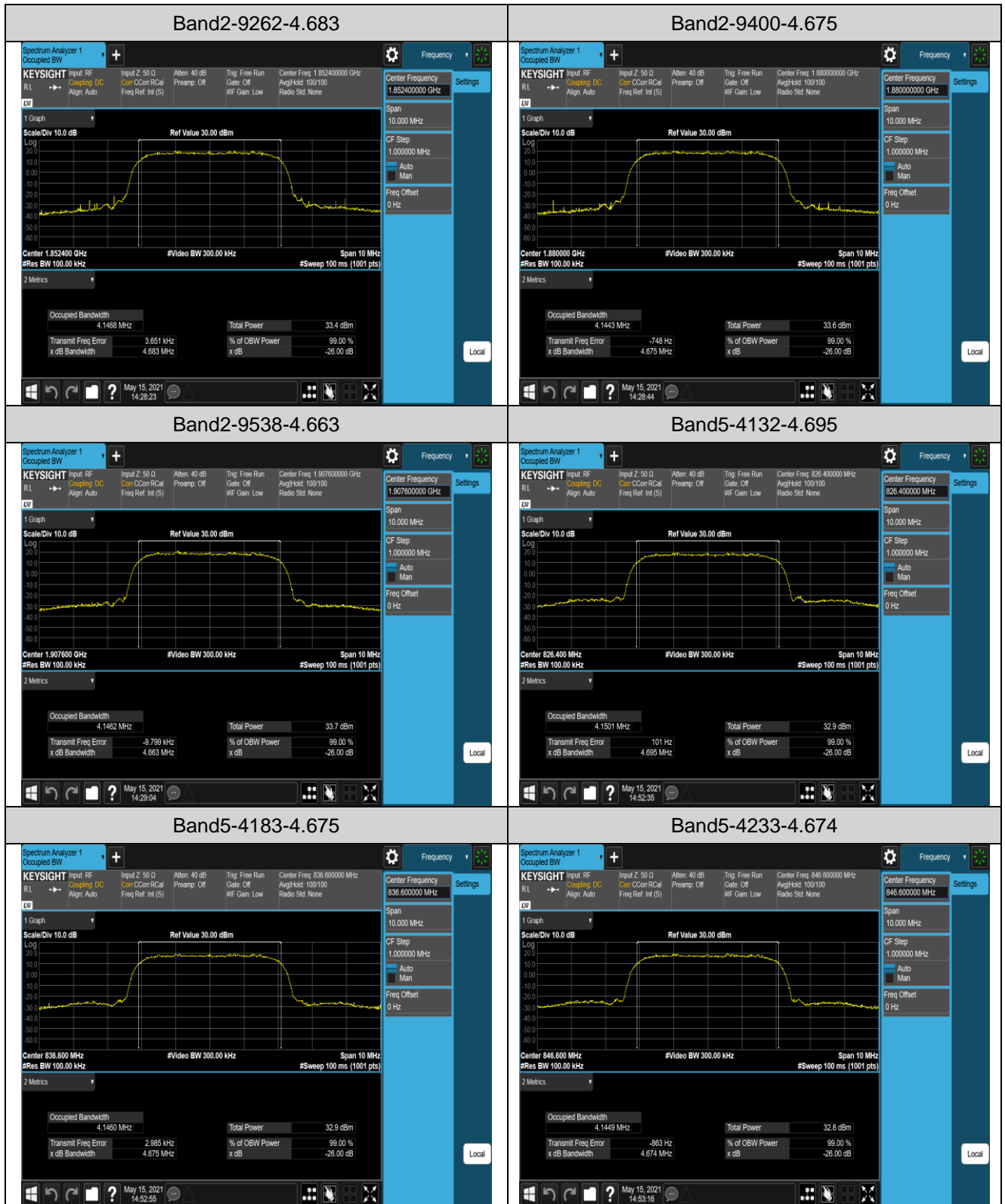


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1468	4.683	---	PASS
Band2	9400	4.1443	4.675	---	PASS
Band2	9538	4.1462	4.663	---	PASS
Band5	4132	4.1501	4.695	---	PASS
Band5	4183	4.1460	4.675	---	PASS
Band5	4233	4.1449	4.674	---	PASS

Test Graphs(WCDMA)

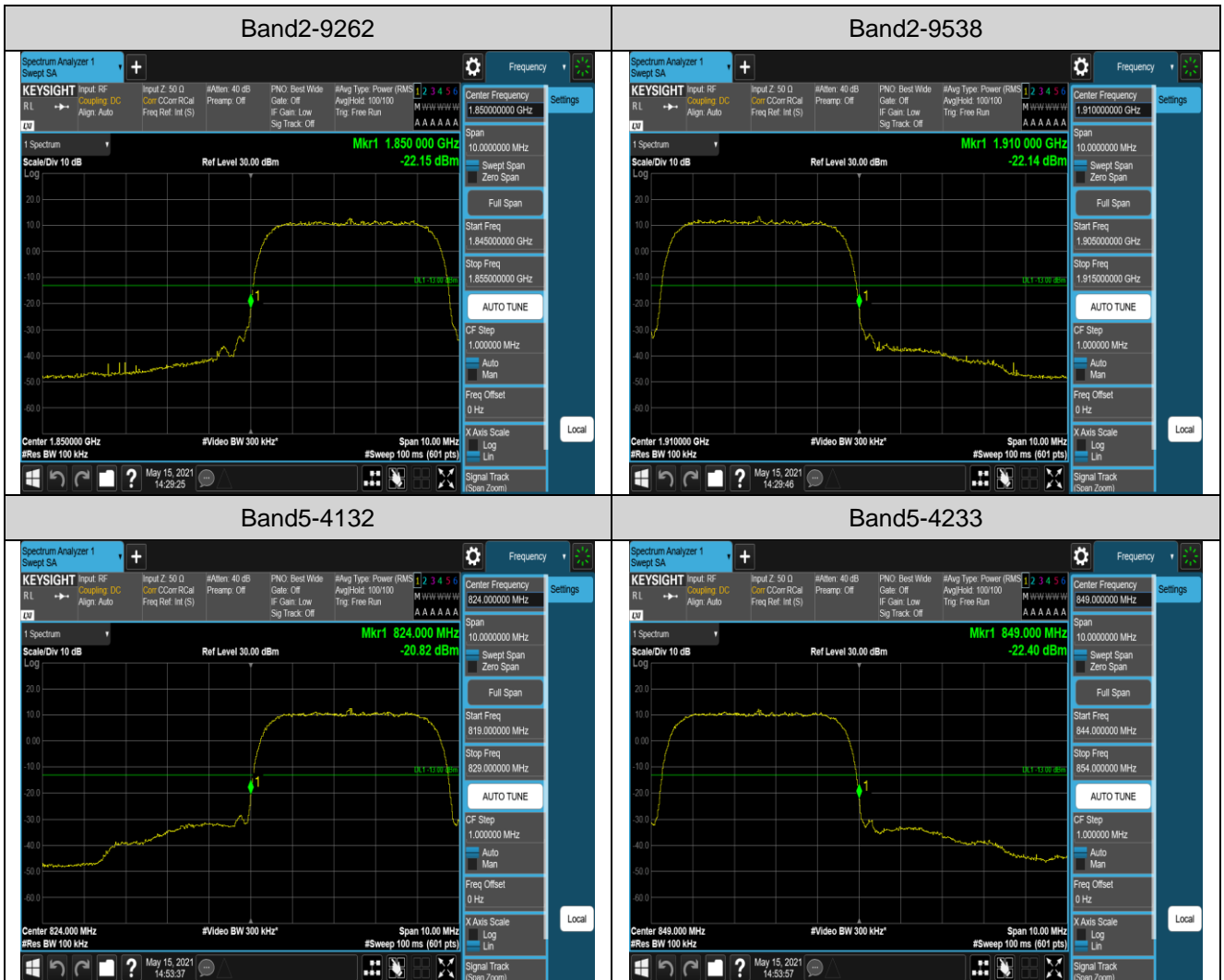


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-22.15	-13	PASS
Band2	9538	1910.00	-22.14	-13	PASS
Band5	4132	824.00	-20.82	-13	PASS
Band5	4233	849.00	-22.40	-13	PASS

Test Graphs(WCDMA)



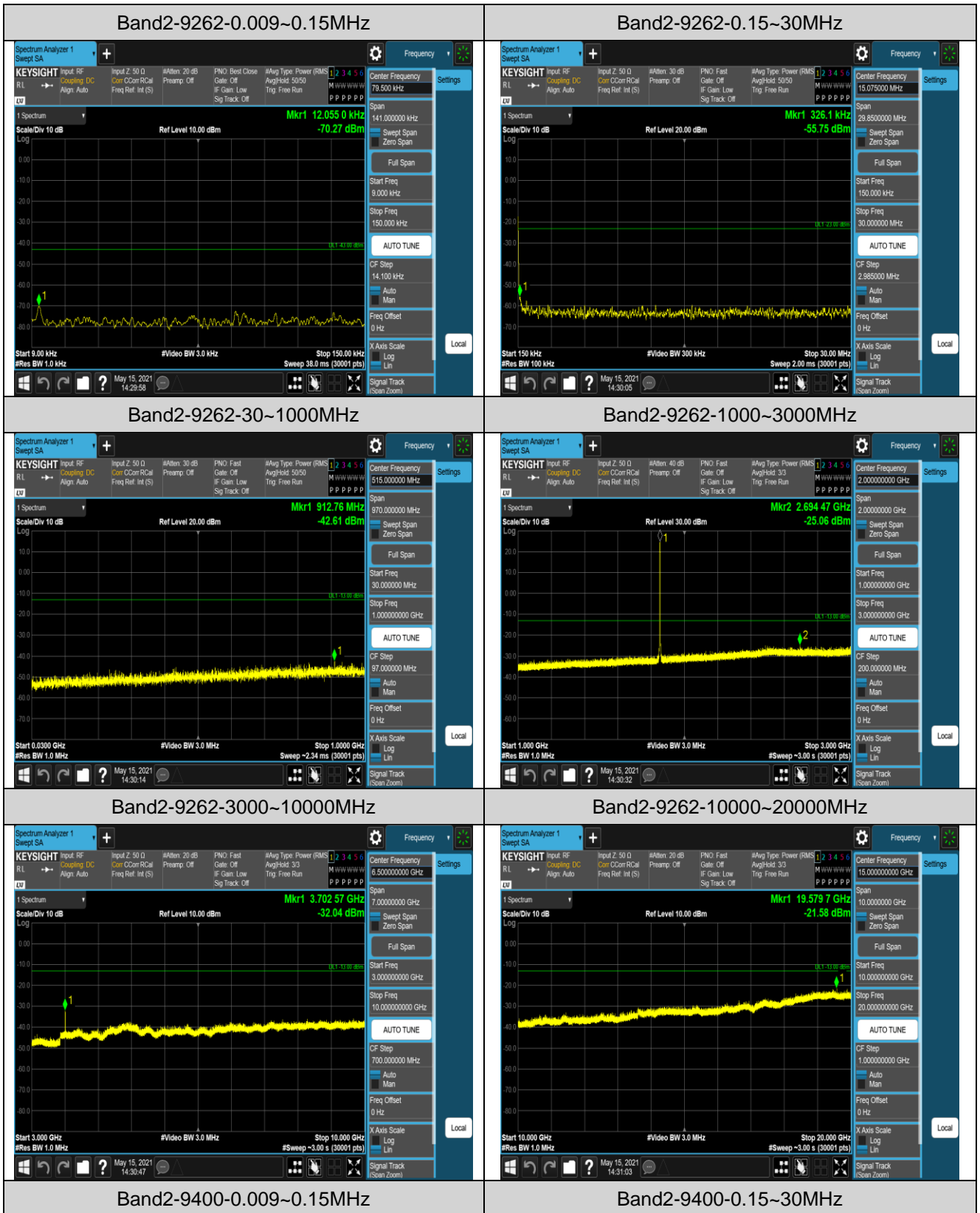
AppendixE:Conducted SpuriousEmission

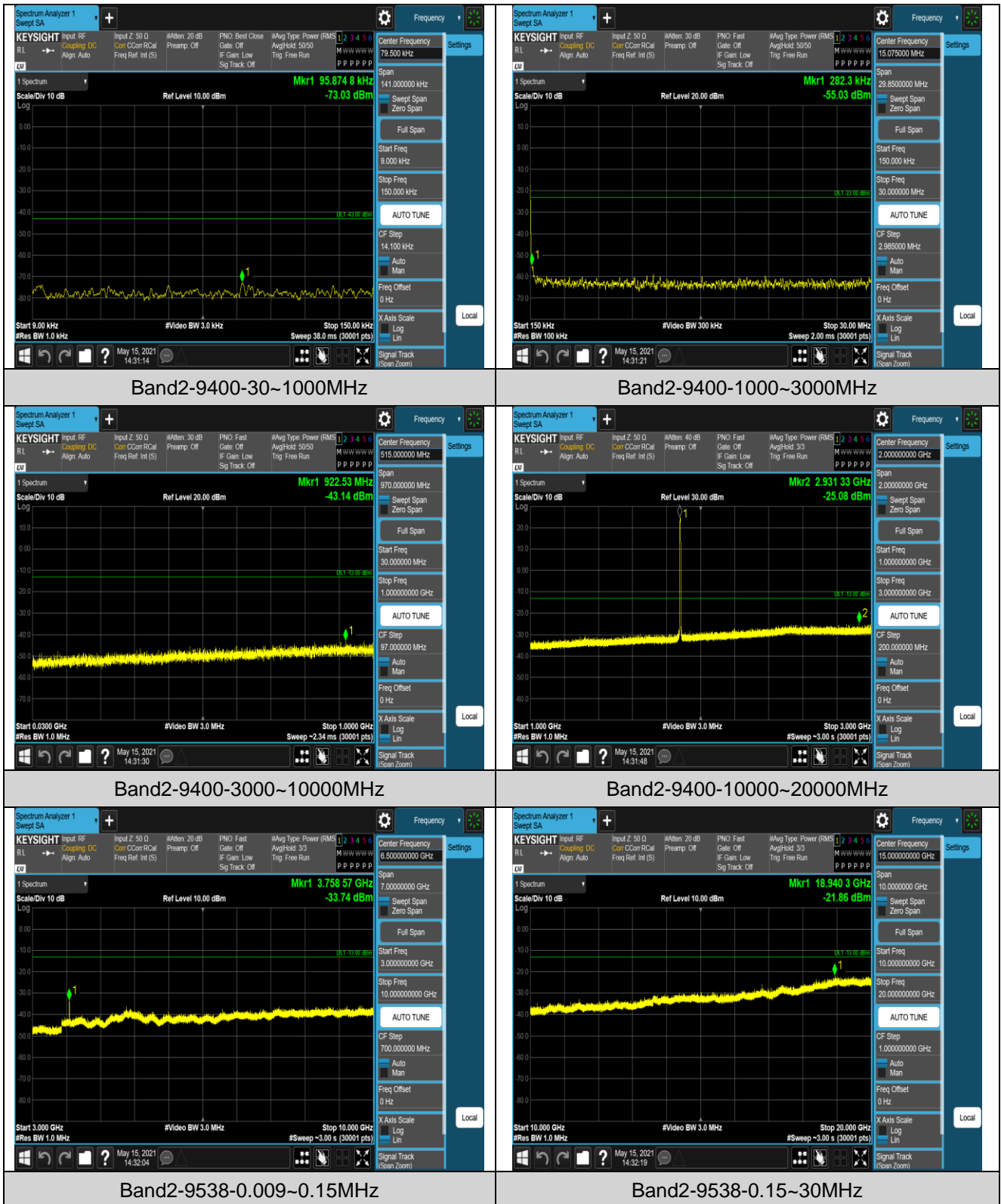
Test Result(WCDMA)

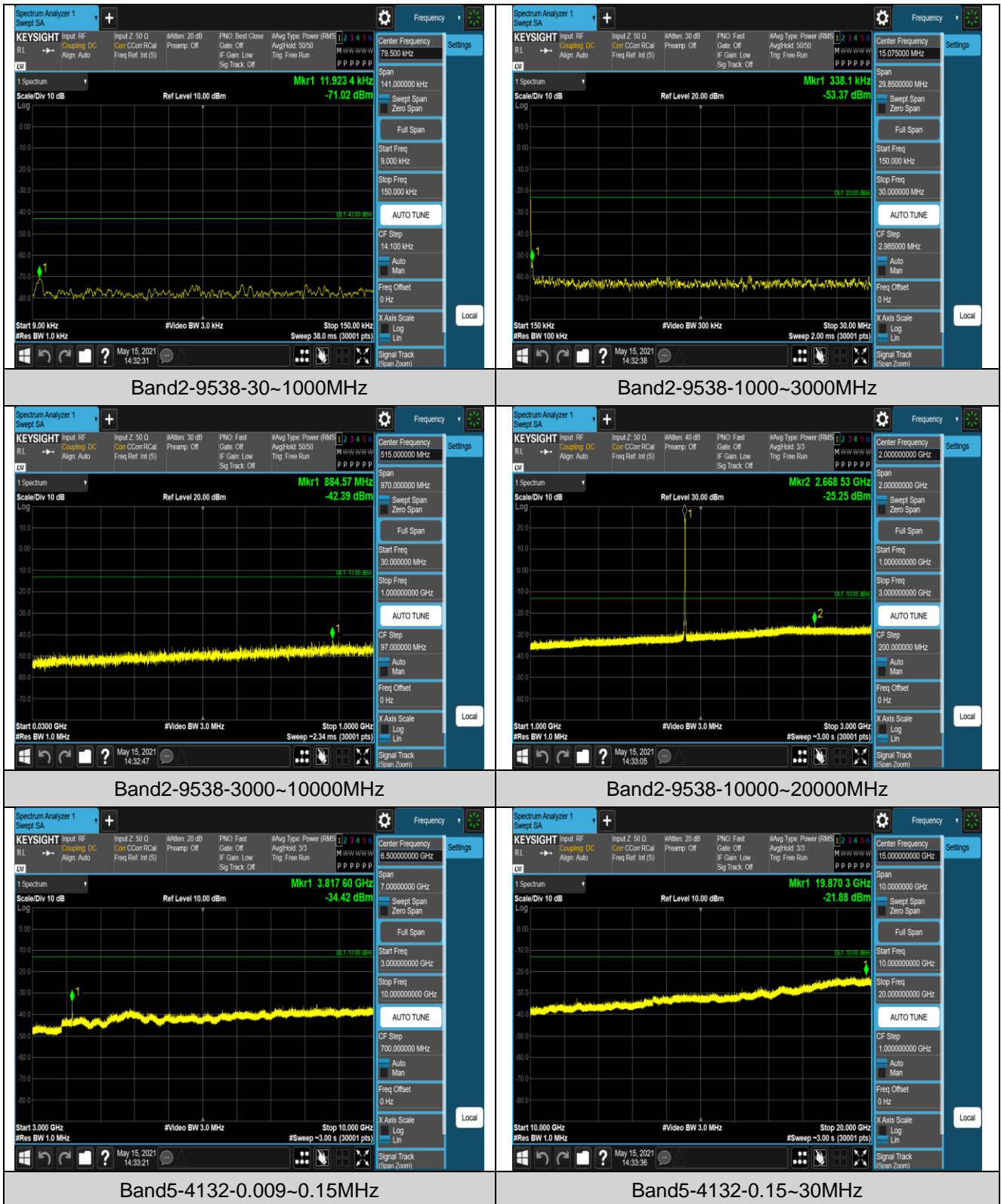
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-70.27	-43	PASS
Band2	9262	0.15~30MHz	0.33	-55.75	-23	PASS
Band2	9262	30~1000MHz	912.76	-42.61	-13	PASS
Band2	9262	1000~3000MHz	2694.47	-25.06	-13	PASS
Band2	9262	3000~10000MHz	3702.57	-32.04	-13	PASS
Band2	9262	10000~20000MHz	19579.67	-21.58	-13	PASS
Band2	9400	0.009~0.15MHz	0.1	-73.03	-43	PASS
Band2	9400	0.15~30MHz	0.28	-55.03	-23	PASS
Band2	9400	30~1000MHz	922.53	-43.14	-13	PASS
Band2	9400	1000~3000MHz	2931.33	-25.08	-13	PASS
Band2	9400	3000~10000MHz	3758.57	-33.74	-13	PASS
Band2	9400	10000~20000MHz	18940.33	-21.86	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-71.02	-43	PASS
Band2	9538	0.15~30MHz	0.34	-53.37	-23	PASS
Band2	9538	30~1000MHz	884.57	-42.39	-13	PASS
Band2	9538	1000~3000MHz	2668.53	-25.25	-13	PASS
Band2	9538	3000~10000MHz	3817.6	-34.42	-13	PASS
Band2	9538	10000~20000MHz	19870.33	-21.88	-13	PASS
Band5	4132	0.009~0.15MHz	0.1	-71.06	-33	PASS
Band5	4132	0.15~30MHz	0.28	-54.85	-13	PASS
Band5	4132	30~1000MHz	973.26	-33.78	-13	PASS
Band5	4132	1000~3000MHz	1654.67	-33.4	-13	PASS
Band5	4132	3000~10000MHz	9431.6	-35.99	-13	PASS
Band5	4132	10000~18000MHz	17684.27	-38.9	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-70.76	-33	PASS
Band5	4183	0.15~30MHz	0.31	-54.61	-13	PASS
Band5	4183	30~1000MHz	969.41	-32.37	-13	PASS
Band5	4183	1000~3000MHz	2785.33	-34.14	-13	PASS
Band5	4183	3000~10000MHz	9912.73	-35.88	-13	PASS
Band5	4183	10000~18000MHz	17424.8	-38.4	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-72.16	-33	PASS

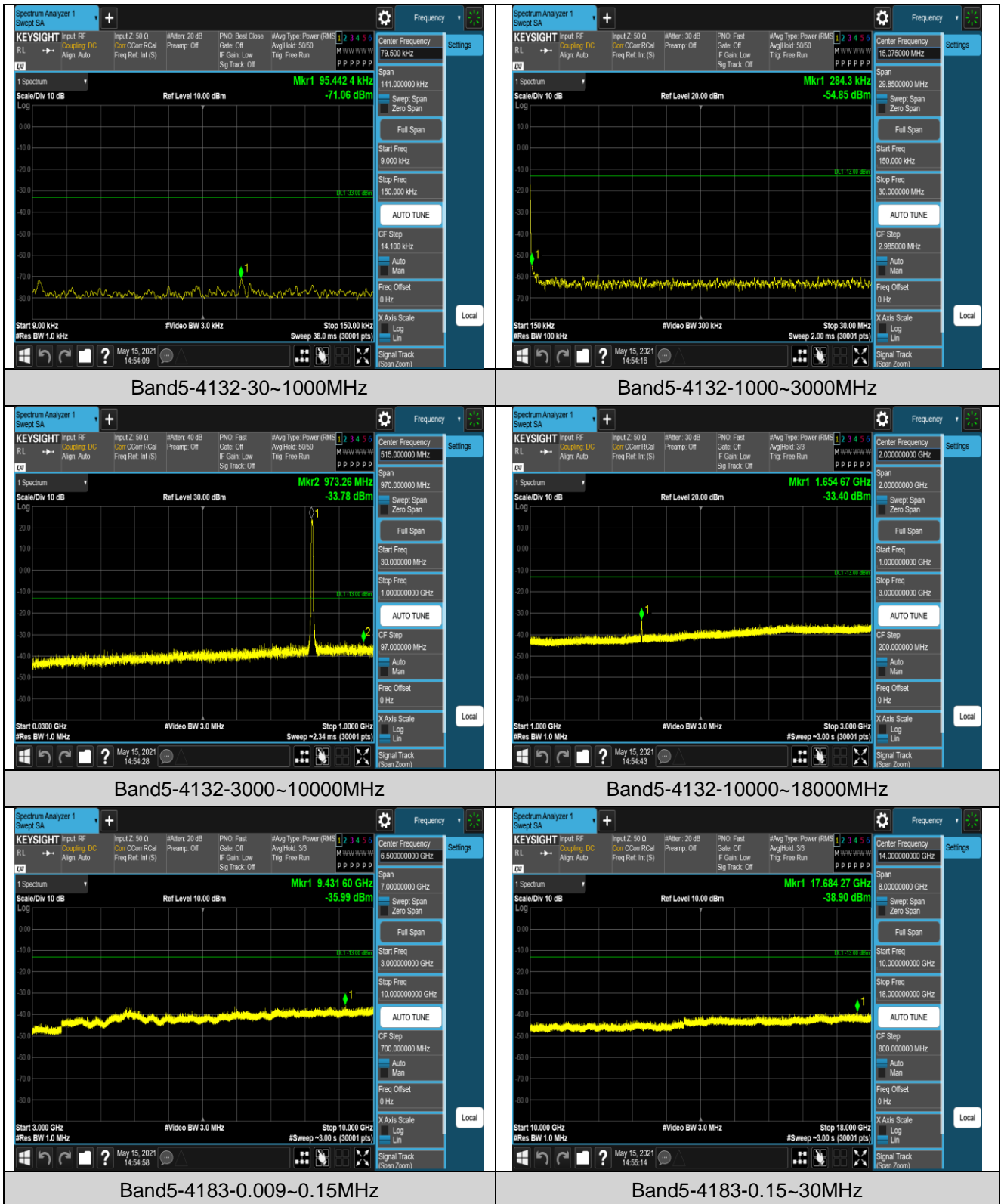
Band5	4233	0.15~30MHz	0.3	-55.17	-13	PASS
Band5	4233	30~1000MHz	962.11	-34.07	-13	PASS
Band5	4233	1000~3000MHz	2795.93	-34	-13	PASS
Band5	4233	3000~10000MHz	8546.8	-35.85	-13	PASS
Band5	4233	10000~18000MHz	17289.6	-38.5	-13	PASS

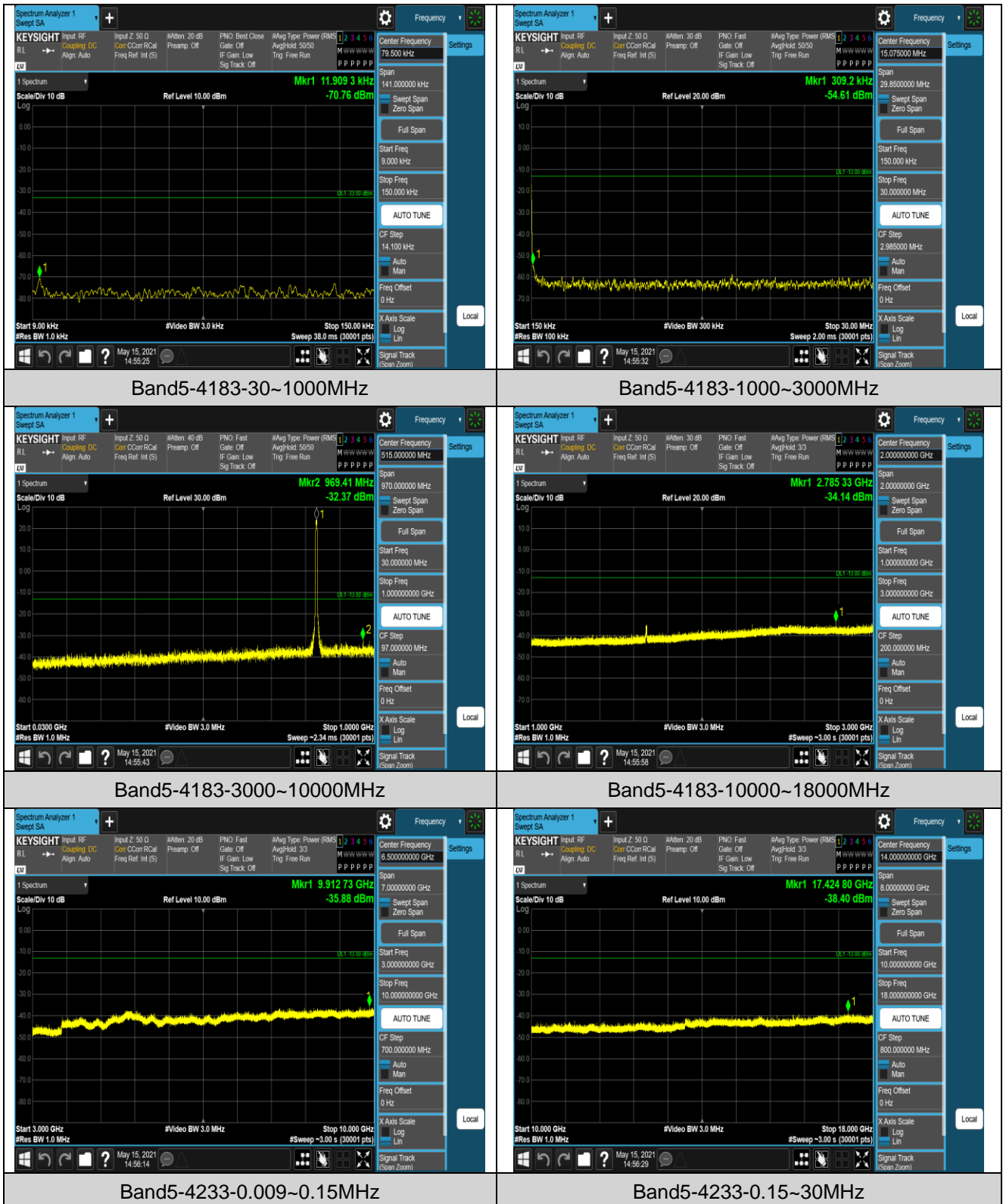
Test Graphs(WCDMA)

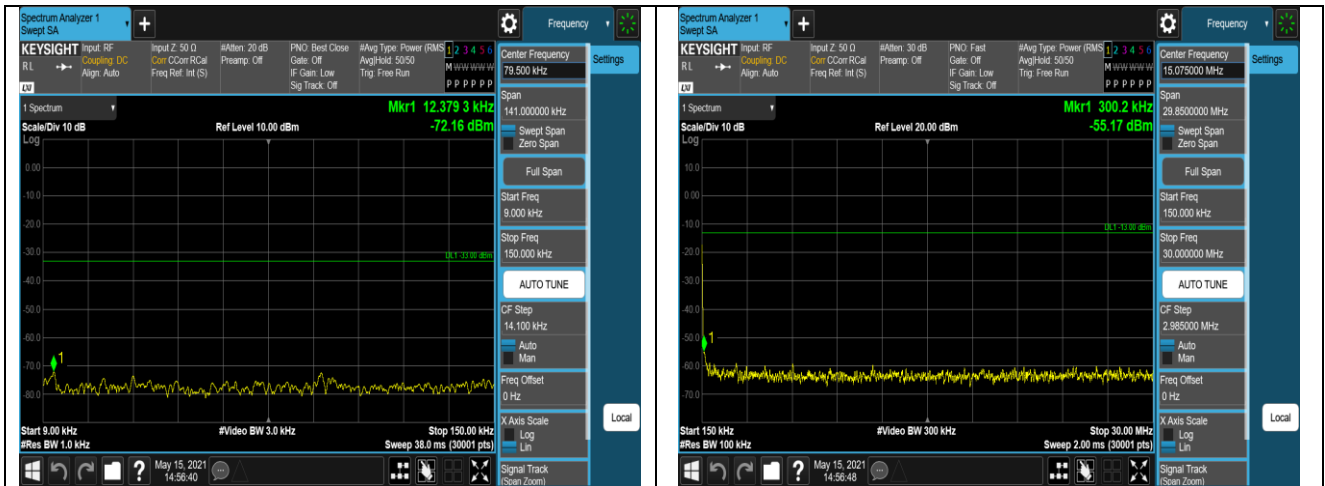












Band5-4233-30~1000MHz

Band5-4233-1000~3000MHz



Band5-4233-3000~10000MHz

Band5-4233-10000~18000MHz



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		
3.70	-30	0.19	0.000227	±2.5	Pass
	-20	2.25	0.002689		
	-10	1.57	0.001877		
	0	0.90	0.001076		
	10	0.83	0.000992		
	20	0.51	0.000610		
	30	1.02	0.001219		
	40	-0.64	-0.000765		
	50	-0.79	-0.000944		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.89	-0.001064	±2.5	Pass
	3.70	0.85	0.001016		
	4.25	-0.24	-0.000287		
<i>Note: Only the worst case shown in the report.</i>					

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		
3.70	-30	4.70	0.002500	Within authorized band for BAND II	Pass
	-20	2.26	0.001202		
	-10	0.06	0.000032		
	0	-8.74	-0.004649		
	10	-8.90	-0.004734		
	20	-9.85	-0.005239		
	30	-9.18	-0.004883		
	40	-6.55	-0.003484		
	50	3.11	0.001654		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	5.26	0.002798	Within authorized band for BAND II	Pass
	3.70	0.35	0.000186		
	4.25	1.62	0.000862		
<i>Note: Only the worst case shown in the report.</i>					