

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	24.08	25.58	33	PASS
Band2	TestMode	9262	24.07	25.57	33	PASS
Band2	TestMode	9400	23.94	25.44	33	PASS
Band2	Voice	9400	23.94	25.44	33	PASS
Band2	TestMode	9538	24.18	25.68	33	PASS
Band2	Voice	9538	24.12	25.62	33	PASS
Band4	Voice	1312	20.06	21.46	30	PASS
Band4	TestMode	1312	20.37	21.77	30	PASS
Band4	Voice	1413	21.88	23.28	30	PASS
Band4	TestMode	1413	21.92	23.32	30	PASS
Band4	TestMode	1513	21.52	22.92	30	PASS
Band4	Voice	1513	21.21	22.61	30	PASS
Band5	Voice	4132	23.94	22.59	38.5	PASS
Band5	TestMode	4132	23.98	22.63	38.5	PASS
Band5	TestMode	4183	24.12	22.77	38.5	PASS
Band5	Voice	4183	24.13	22.78	38.5	PASS
Band5	Voice	4233	23.95	22.60	38.5	PASS
Band5	TestMode	4233	23.95	22.60	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.15	24.65	33	PASS
Band2	9262	2	22.60	24.10	33	PASS
Band2	9262	3	22.61	24.11	33	PASS
Band2	9262	4	22.58	24.08	33	PASS
Band2	9400	1	23.04	24.54	33	PASS
Band2	9400	2	22.47	23.97	33	PASS
Band2	9400	3	22.46	23.96	33	PASS
Band2	9400	4	22.41	23.91	33	PASS
Band2	9538	1	23.25	24.75	33	PASS
Band2	9538	2	22.69	24.19	33	PASS
Band2	9538	3	22.65	24.15	33	PASS
Band2	9538	4	22.70	24.20	33	PASS

Band4	1312	1	20.10	21.50	30	PASS
Band4	1312	2	20.09	21.49	30	PASS
Band4	1312	3	20.29	21.69	30	PASS
Band4	1312	4	20.28	21.68	30	PASS
Band4	1413	1	20.90	22.30	30	PASS
Band4	1413	2	20.40	21.80	30	PASS
Band4	1413	3	20.49	21.89	30	PASS
Band4	1413	4	20.42	21.82	30	PASS
Band4	1513	1	21.12	22.52	30	PASS
Band4	1513	2	20.66	22.06	30	PASS
Band4	1513	3	20.65	22.05	30	PASS
Band4	1513	4	20.63	22.03	30	PASS
Band5	4132	1	23.04	21.69	38.5	PASS
Band5	4132	2	22.49	21.14	38.5	PASS
Band5	4132	3	22.48	21.13	38.5	PASS
Band5	4132	4	22.46	21.11	38.5	PASS
Band5	4183	1	23.10	21.75	38.5	PASS
Band5	4183	2	22.56	21.21	38.5	PASS
Band5	4183	3	22.62	21.27	38.5	PASS
Band5	4183	4	22.56	21.21	38.5	PASS
Band5	4233	1	22.97	21.62	38.5	PASS
Band5	4233	2	22.44	21.09	38.5	PASS
Band5	4233	3	22.44	21.09	38.5	PASS
Band5	4233	4	22.41	21.06	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.10	22.60	33	PASS
Band2	9262	2	21.60	23.10	33	PASS
Band2	9262	3	22.11	23.61	33	PASS
Band2	9262	4	21.13	22.63	33	PASS
Band2	9262	5	23.14	24.64	33	PASS
Band2	9400	1	20.97	22.47	33	PASS
Band2	9400	2	21.48	22.98	33	PASS
Band2	9400	3	22.01	23.51	33	PASS
Band2	9400	4	21.02	22.52	33	PASS
Band2	9400	5	22.99	24.49	33	PASS
Band2	9538	1	21.18	22.68	33	PASS
Band2	9538	2	21.69	23.19	33	PASS
Band2	9538	3	22.19	23.69	33	PASS

Band2	9538	4	21.21	22.71	33	PASS
Band2	9538	5	23.20	24.70	33	PASS
Band4	1312	1	18.93	20.33	30	PASS
Band4	1312	2	19.43	20.83	30	PASS
Band4	1312	3	19.96	21.36	30	PASS
Band4	1312	4	18.94	20.34	30	PASS
Band4	1312	5	20.92	22.32	30	PASS
Band4	1413	1	18.91	20.31	30	PASS
Band4	1413	2	19.44	20.84	30	PASS
Band4	1413	3	19.95	21.35	30	PASS
Band4	1413	4	18.95	20.35	30	PASS
Band4	1413	5	20.92	22.32	30	PASS
Band4	1513	1	19.24	20.64	30	PASS
Band4	1513	2	19.80	21.20	30	PASS
Band4	1513	3	20.32	21.72	30	PASS
Band4	1513	4	19.29	20.69	30	PASS
Band4	1513	5	21.26	22.66	30	PASS
Band5	4132	1	21.09	19.74	38.5	PASS
Band5	4132	2	21.51	20.16	38.5	PASS
Band5	4132	3	22.07	20.72	38.5	PASS
Band5	4132	4	21.11	19.76	38.5	PASS
Band5	4132	5	23.03	21.68	38.5	PASS
Band5	4183	1	21.19	19.84	38.5	PASS
Band5	4183	2	21.63	20.28	38.5	PASS
Band5	4183	3	22.12	20.77	38.5	PASS
Band5	4183	4	21.20	19.85	38.5	PASS
Band5	4183	5	23.14	21.79	38.5	PASS
Band5	4233	1	21.04	19.69	38.5	PASS
Band5	4233	2	21.47	20.12	38.5	PASS
Band5	4233	3	21.98	20.63	38.5	PASS
Band5	4233	4	21.05	19.7	38.5	PASS
Band5	4233	5	23.00	21.65	38.5	PASS

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

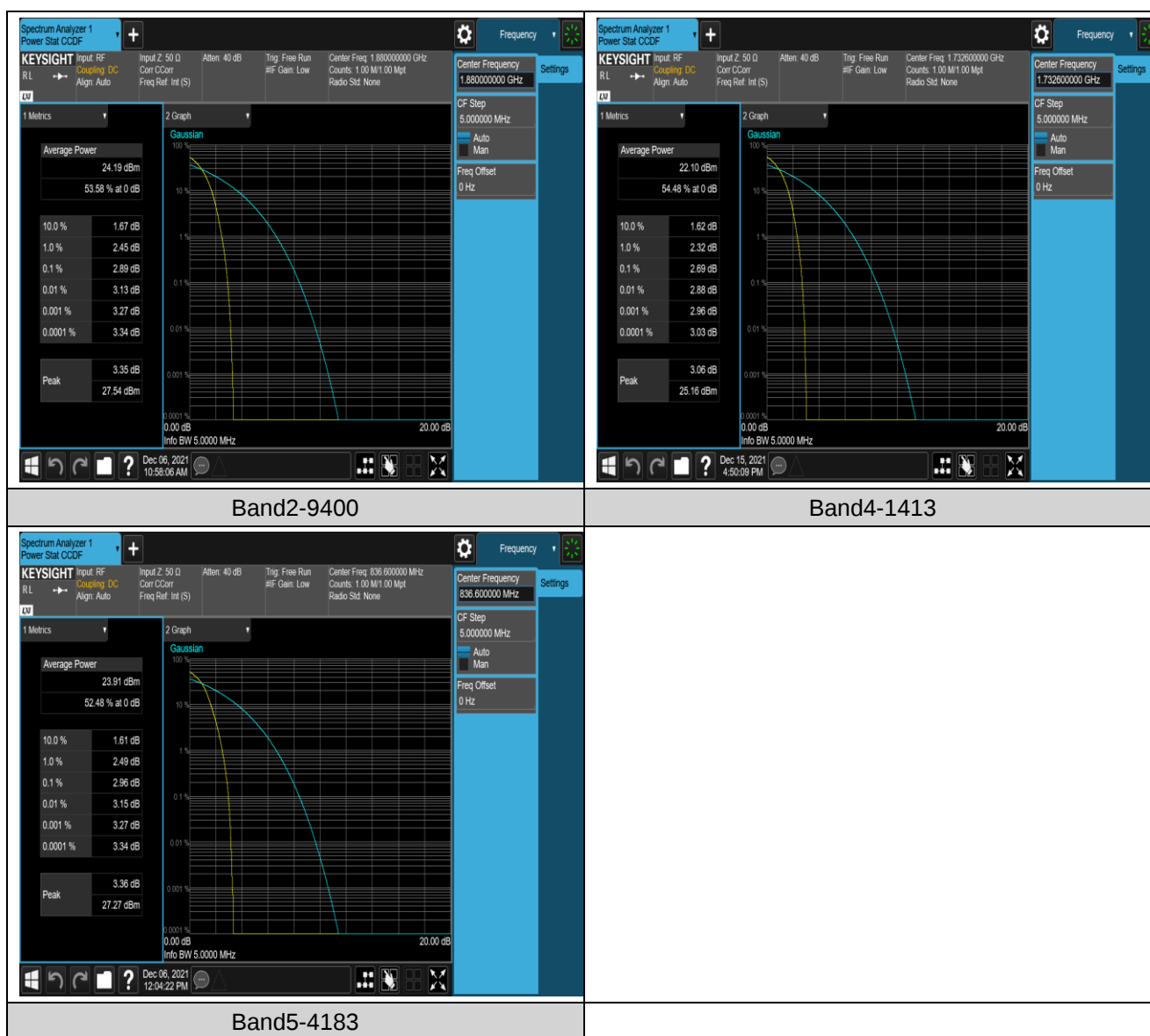
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.89	13	PASS
Band4	1413	2.69	13	PASS
Band5	4183	2.96	13	PASS

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

Test Graphs(WCDMA)

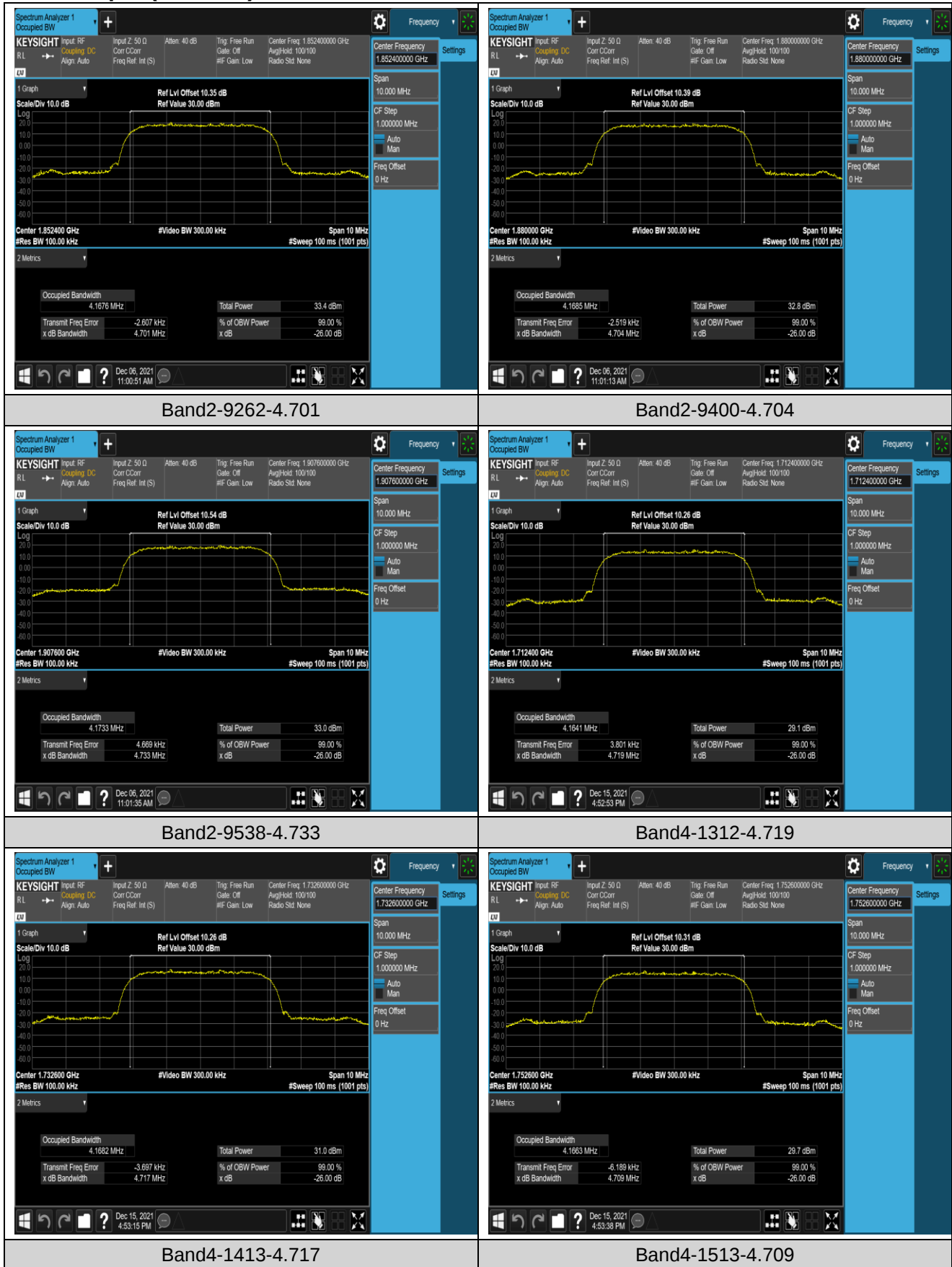


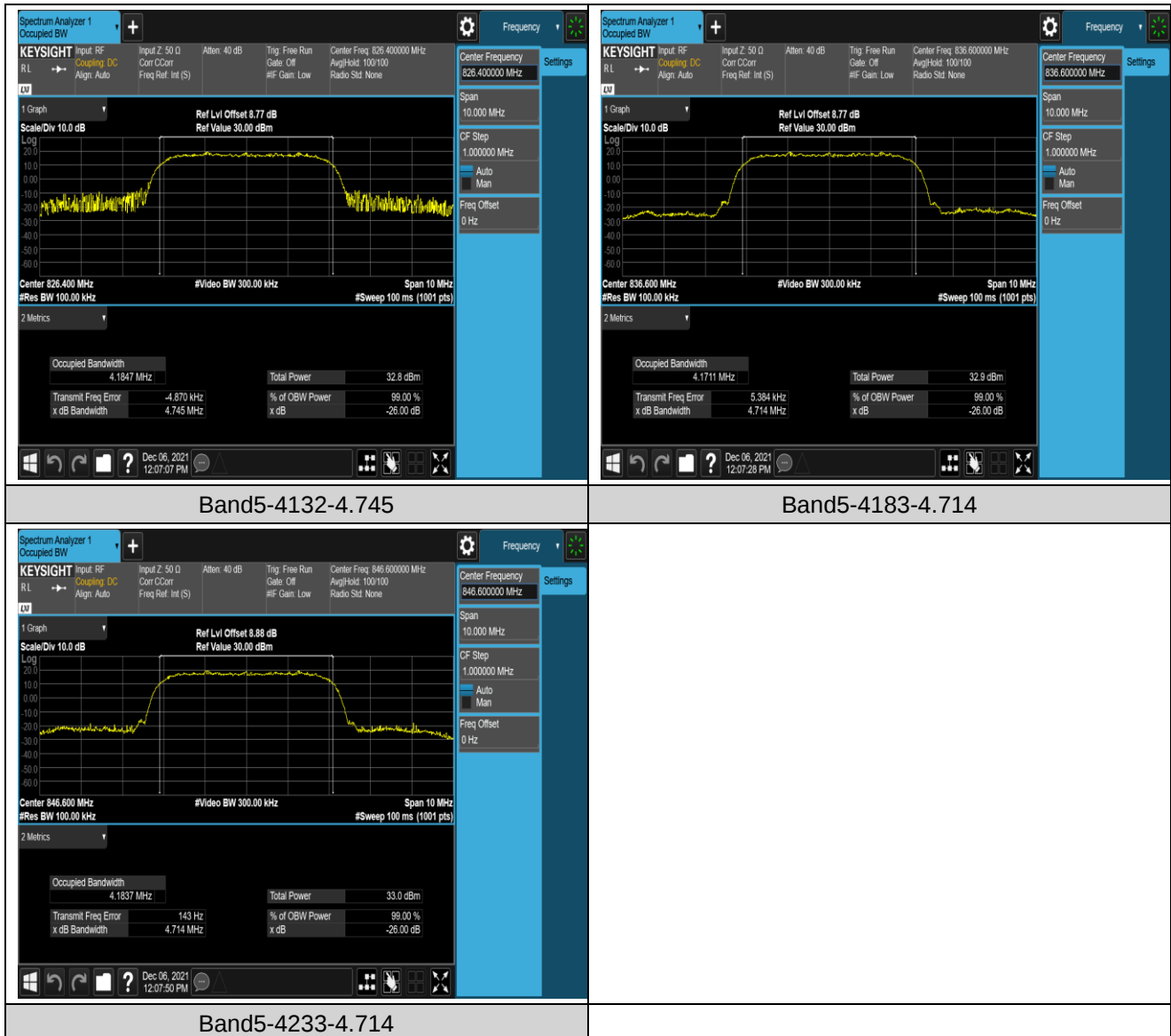
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1676	4.701	---	PASS
Band2	9400	4.1685	4.704	---	PASS
Band2	9538	4.1733	4.733	---	PASS
Band4	1312	4.1641	4.719	---	PASS
Band4	1413	4.1682	4.717	---	PASS
Band4	1513	4.1663	4.709	---	PASS
Band5	4132	4.1847	4.745	---	PASS
Band5	4183	4.1711	4.714	---	PASS
Band5	4233	4.1837	4.714	---	PASS

Test Graphs(WCDMA)





AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.14	-13	PASS
Band2	9538	1910.00	-16.95	-13	PASS
Band4	1312	1710.00	-25.31	-13	PASS
Band4	1513	1755.00	-24.59	-13	PASS
Band5	4132	824.00	-16.25	-13	PASS
Band5	4233	849.00	-17.55	-13	PASS

Test Graphs(WCDMA)

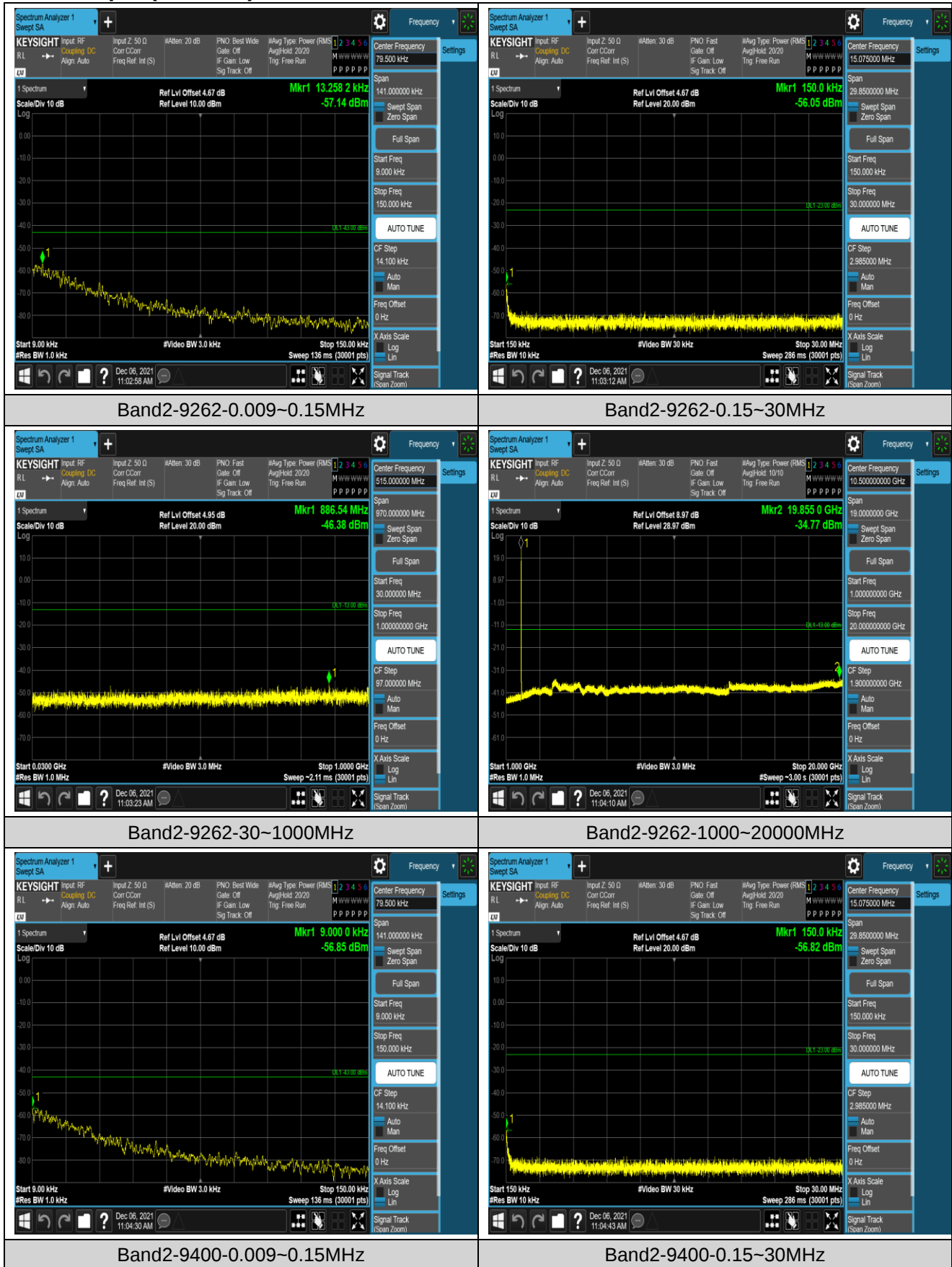


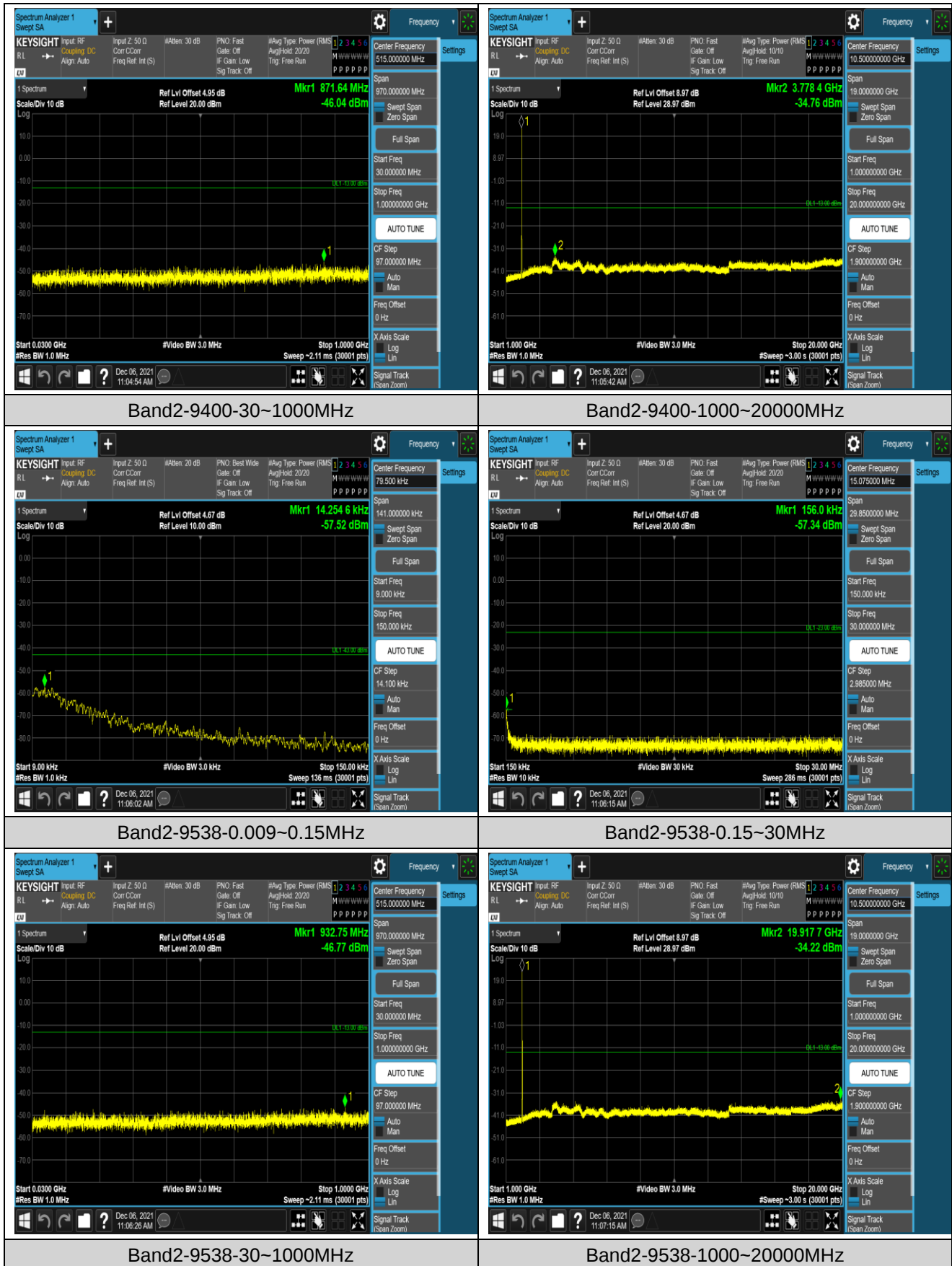
AppendixE:Conducted SpuriousEmission

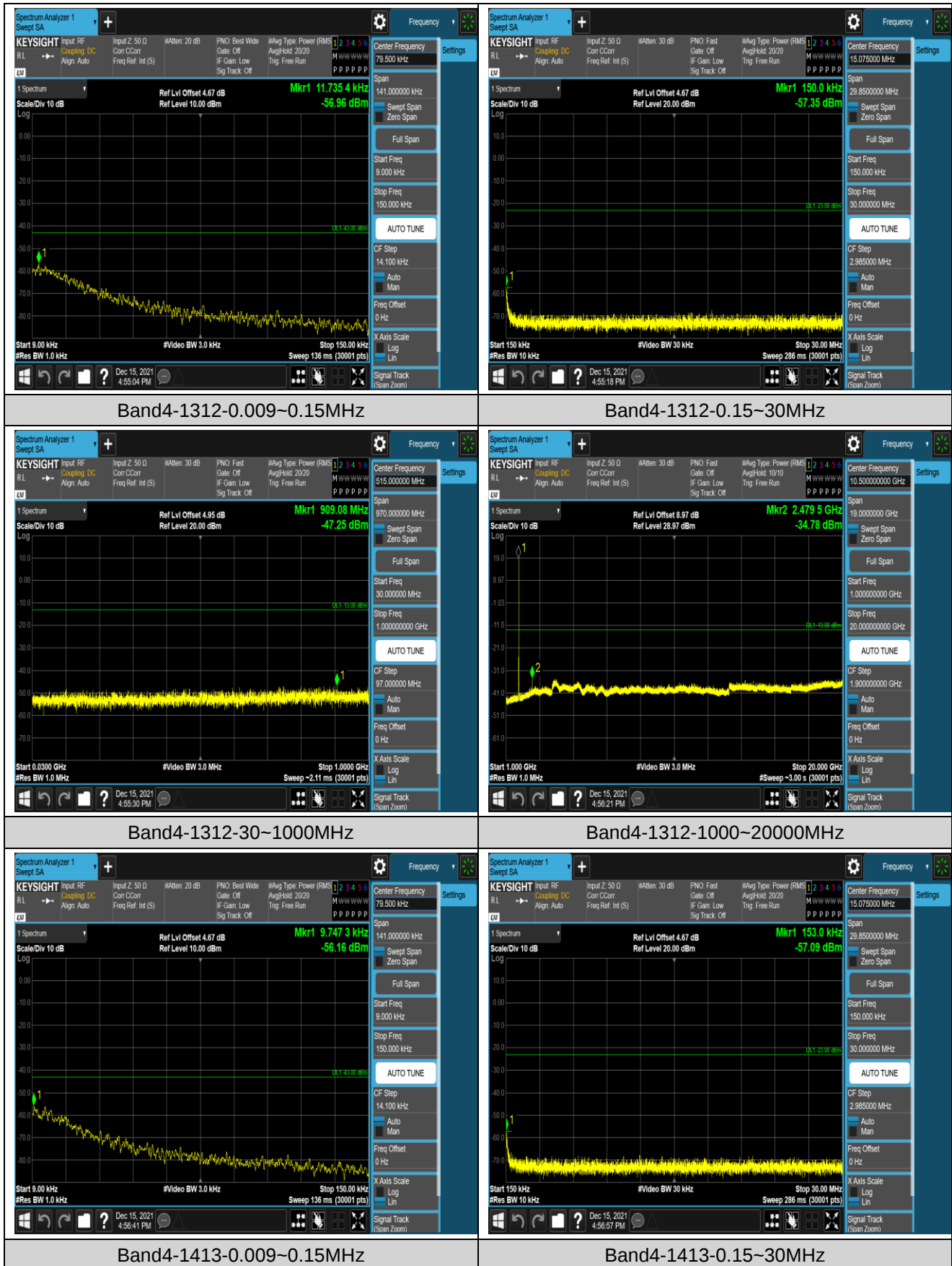
Test Result(WCDMA)

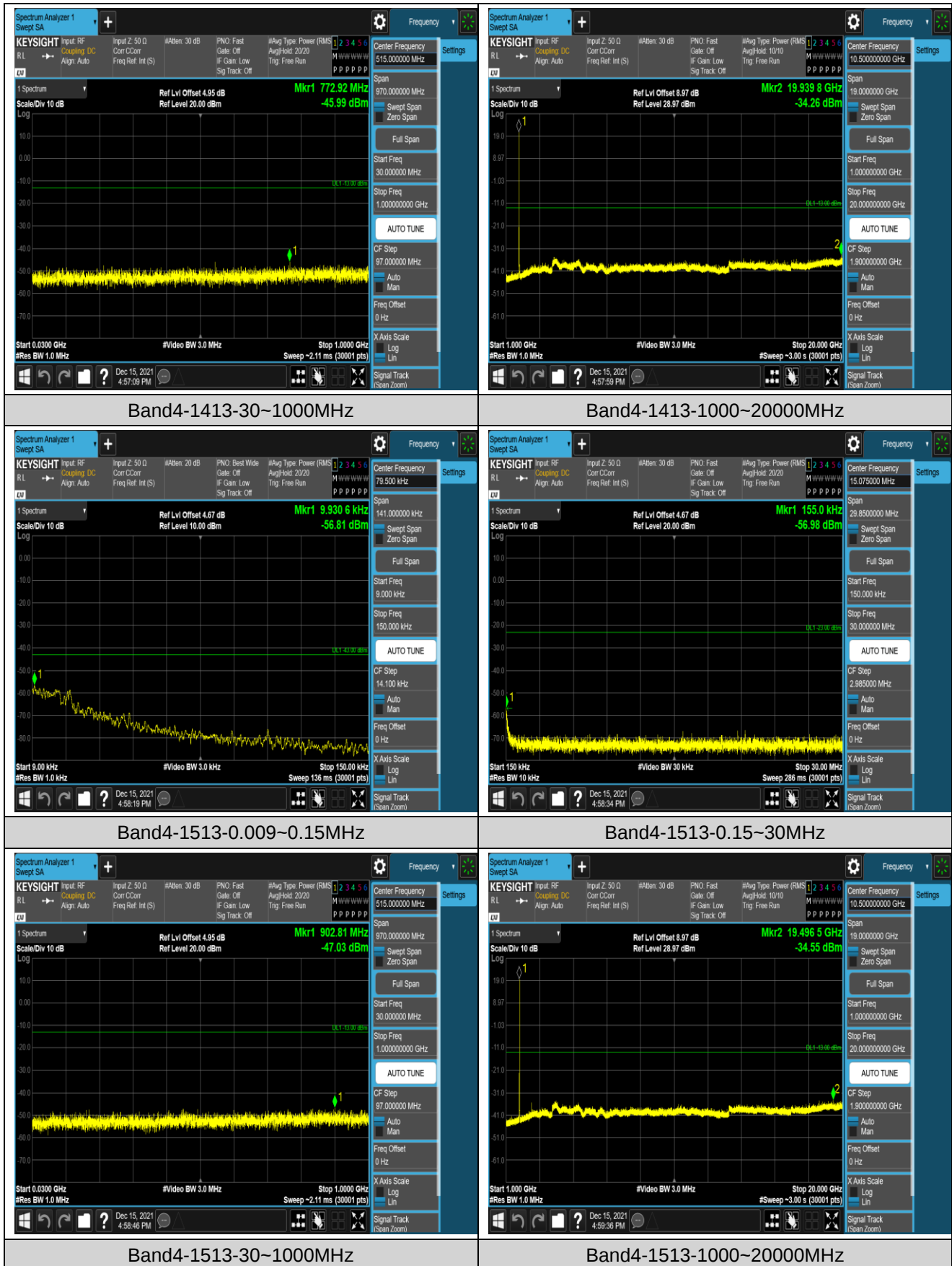
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.14	-43	PASS
Band2	9262	0.15~30MHz	0.15	-56.05	-23	PASS
Band2	9262	30~1000MHz	886.54	-46.38	-13	PASS
Band2	9262	1000~20000MHz	19854.97	-34.77	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.85	-43	PASS
Band2	9400	0.15~30MHz	0.15	-56.82	-23	PASS
Band2	9400	30~1000MHz	871.64	-46.04	-13	PASS
Band2	9400	1000~20000MHz	3778.43	-34.76	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-57.52	-43	PASS
Band2	9538	0.15~30MHz	0.16	-57.34	-23	PASS
Band2	9538	30~1000MHz	932.75	-46.77	-13	PASS
Band2	9538	1000~20000MHz	19917.67	-34.22	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.96	-43	PASS
Band4	1312	0.15~30MHz	0.15	-57.35	-23	PASS
Band4	1312	30~1000MHz	909.08	-47.25	-13	PASS
Band4	1312	1000~20000MHz	2479.47	-34.78	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.16	-43	PASS
Band4	1413	0.15~30MHz	0.15	-57.09	-23	PASS
Band4	1413	30~1000MHz	772.92	-45.99	-13	PASS
Band4	1413	1000~20000MHz	19939.83	-34.26	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.81	-43	PASS
Band4	1513	0.15~30MHz	0.15	-56.98	-23	PASS
Band4	1513	30~1000MHz	902.81	-47.03	-13	PASS
Band4	1513	1000~20000MHz	19496.5	-34.55	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.22	-33	PASS
Band5	4132	0.15~30MHz	0.15	-56.15	-13	PASS
Band5	4132	30~1000MHz	992.66	-55.93	-13	PASS
Band5	4132	1000~10000MHz	3796	-34.66	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57.39	-33	PASS
Band5	4183	0.15~30MHz	0.16	-55.32	-13	PASS
Band5	4183	30~1000MHz	952.44	-55.19	-13	PASS
Band5	4183	1000~10000MHz	3797.8	-34.7	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.88	-33	PASS
Band5	4233	0.15~30MHz	0.16	-55.98	-13	PASS
Band5	4233	30~1000MHz	958.06	-56.03	-13	PASS
Band5	4233	1000~10000MHz	3761.2	-34.39	-13	PASS

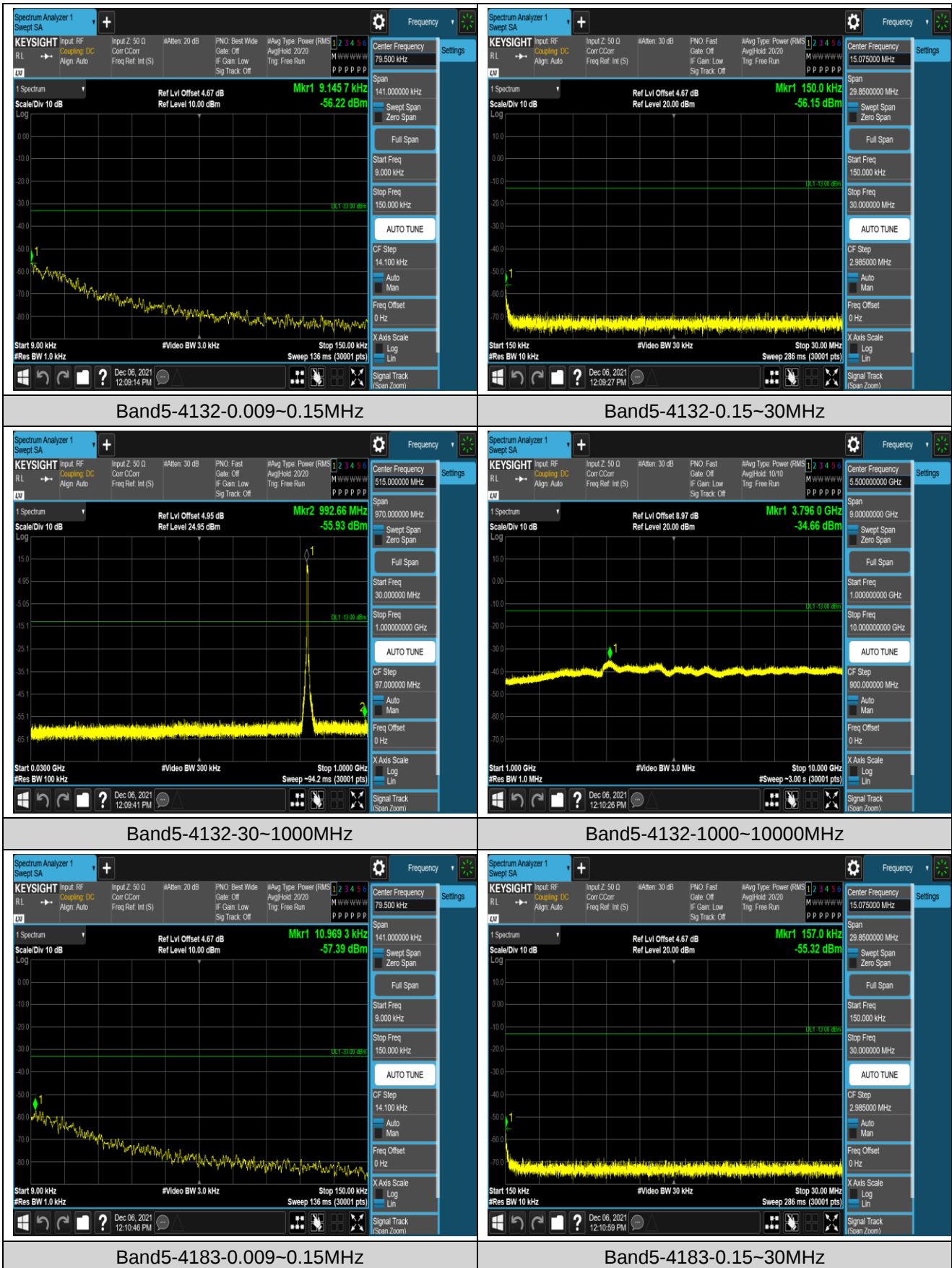
Test Graphs(WCDMA)

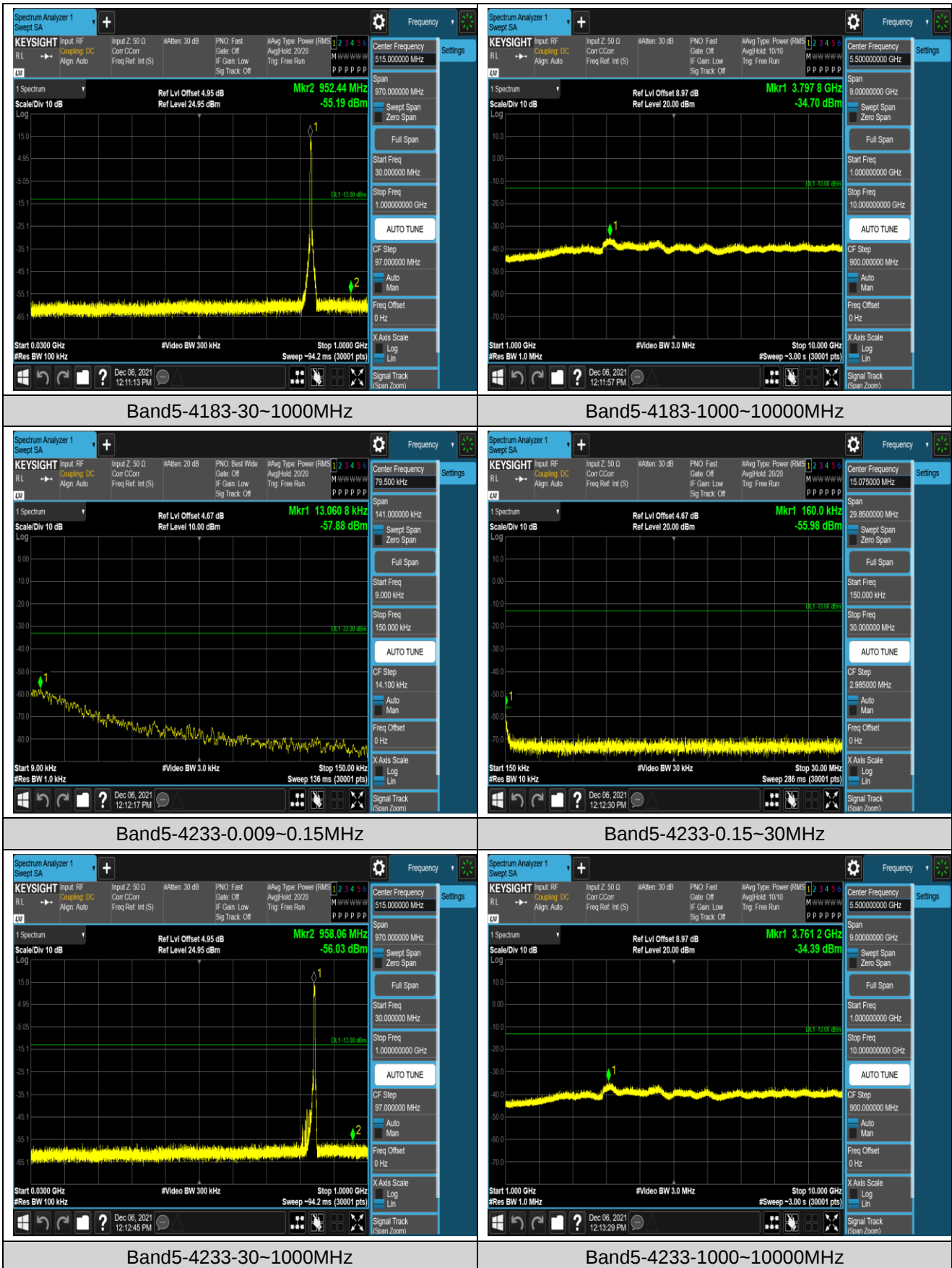












AppendixF:Frequency Stability

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		
3.80	-30	-8.48	-0.004511	Within authorized band for BAND II	Pass
	-20	-11.35	-0.006037		
	-10	-13.05	-0.006941		
	0	-9.37	-0.004984		
	10	-11.94	-0.006351		
	20	-11.67	-0.006207		
	30	-8.28	-0.004404		
	40	-10.03	-0.005335		
	50	-8.52	-0.004532		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-17.97	-0.009559	Within authorized band for BAND II	Pass
	3.80	-13.36	-0.007106		
	4.35	-11.48	-0.006106		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	-8.66	-0.004998	Within authorized band for BAND II	Pass
	-20	-6.80	-0.003925		
	-10	-9.22	-0.005321		
	0	-7.72	-0.004456		
	10	-7.44	-0.004294		
	20	-8.62	-0.004975		
	30	-8.21	-0.004739		
	40	-8.66	-0.004998		
	50	-9.38	-0.005414		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		

25	3.50	-7.65	-0.004415	Within authorized band for BAND II	Pass
	3.80	-8.00	-0.004617		
	4.35	-9.82	-0.005668		
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		
3.80	-30	-7.54	-0.009013	±2.5	Pass
	-20	-4.08	-0.004877		
	-10	-9.98	-0.011929		
	0	-5.79	-0.006921		
	10	-8.87	-0.010602		
	20	-6.22	-0.007435		
	30	-7.82	-0.009347		
	40	-8.87	-0.010602		
	50	-12.91	-0.015432		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.19	-0.007399	±2.5	Pass
	3.80	-7.39	-0.008833		
	4.35	-7.56	-0.009037		
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

