

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	23.42	24.05	33	PASS
Band2	TestMode	9262	23.49	24.12	33	PASS
Band2	TestMode	9400	23.51	24.14	33	PASS
Band2	Voice	9400	23.43	24.06	33	PASS
Band2	TestMode	9538	23.29	23.92	33	PASS
Band2	Voice	9538	23.23	23.86	33	PASS
Band4	Voice	1312	22.81	23.22	30	PASS
Band4	TestMode	1312	22.85	23.26	30	PASS
Band4	Voice	1413	23.03	23.44	30	PASS
Band4	TestMode	1413	23.11	23.52	30	PASS
Band4	TestMode	1513	23.16	23.57	30	PASS
Band4	Voice	1513	23.08	23.49	30	PASS
Band5	Voice	4132	23.34	21.41	38.5	PASS
Band5	TestMode	4132	23.37	21.44	38.5	PASS
Band5	TestMode	4183	23.47	21.54	38.5	PASS
Band5	Voice	4183	23.36	21.43	38.5	PASS
Band5	Voice	4233	23.14	21.21	38.5	PASS
Band5	TestMode	4233	23.40	21.47	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.52	23.15	33	PASS
Band2	9262	2	22.23	22.86	33	PASS
Band2	9262	3	22.14	22.77	33	PASS
Band2	9262	4	22.15	22.78	33	PASS
Band2	9400	1	22.50	23.13	33	PASS
Band2	9400	2	22.23	22.86	33	PASS
Band2	9400	3	22.12	22.75	33	PASS
Band2	9400	4	22.10	22.73	33	PASS
Band2	9538	1	22.25	22.88	33	PASS
Band2	9538	2	21.95	22.58	33	PASS
Band2	9538	3	21.89	22.52	33	PASS
Band2	9538	4	21.93	22.56	33	PASS

Band4	1312	1	22.02	22.43	30	PASS
Band4	1312	2	21.59	22.00	30	PASS
Band4	1312	3	21.55	21.96	30	PASS
Band4	1312	4	21.52	21.93	30	PASS
Band4	1413	1	22.30	22.71	30	PASS
Band4	1413	2	21.86	22.27	30	PASS
Band4	1413	3	21.77	22.18	30	PASS
Band4	1413	4	21.73	22.14	30	PASS
Band4	1513	1	22.32	22.73	30	PASS
Band4	1513	2	21.86	22.27	30	PASS
Band4	1513	3	21.81	22.22	30	PASS
Band4	1513	4	21.77	22.18	30	PASS
Band5	4132	1	22.56	20.63	38.5	PASS
Band5	4132	2	22.21	20.28	38.5	PASS
Band5	4132	3	22.03	20.1	38.5	PASS
Band5	4132	4	22.06	20.13	38.5	PASS
Band5	4183	1	22.64	20.71	38.5	PASS
Band5	4183	2	22.20	20.27	38.5	PASS
Band5	4183	3	22.10	20.17	38.5	PASS
Band5	4183	4	22.13	20.2	38.5	PASS
Band5	4233	1	22.56	20.63	38.5	PASS
Band5	4233	2	22.17	20.24	38.5	PASS
Band5	4233	3	22.09	20.16	38.5	PASS
Band5	4233	4	22.05	20.12	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.64	21.27	33	PASS
Band2	9262	2	21.14	21.77	33	PASS
Band2	9262	3	21.66	22.29	33	PASS
Band2	9262	4	20.68	21.31	33	PASS
Band2	9262	5	22.63	23.26	33	PASS
Band2	9400	1	20.60	21.23	33	PASS
Band2	9400	2	21.11	21.74	33	PASS
Band2	9400	3	21.61	22.24	33	PASS
Band2	9400	4	20.63	21.26	33	PASS
Band2	9400	5	22.12	22.75	33	PASS
Band2	9538	1	20.37	21.00	33	PASS
Band2	9538	2	20.90	21.53	33	PASS
Band2	9538	3	21.39	22.02	33	PASS

Band2	9538	4	20.44	21.07	33	PASS
Band2	9538	5	22.38	23.01	33	PASS
Band4	1312	1	20.05	20.46	30	PASS
Band4	1312	2	20.53	20.94	30	PASS
Band4	1312	3	21.01	21.42	30	PASS
Band4	1312	4	20.03	20.44	30	PASS
Band4	1312	5	22.07	22.48	30	PASS
Band4	1413	1	20.29	20.70	30	PASS
Band4	1413	2	20.80	21.21	30	PASS
Band4	1413	3	21.30	21.71	30	PASS
Band4	1413	4	20.31	20.72	30	PASS
Band4	1413	5	22.31	22.72	30	PASS
Band4	1513	1	20.30	20.71	30	PASS
Band4	1513	2	20.80	21.21	30	PASS
Band4	1513	3	21.31	21.72	30	PASS
Band4	1513	4	20.33	20.74	30	PASS
Band4	1513	5	22.33	22.74	30	PASS
Band5	4132	1	20.55	18.62	38.5	PASS
Band5	4132	2	21.07	19.14	38.5	PASS
Band5	4132	3	21.58	19.65	38.5	PASS
Band5	4132	4	20.59	18.66	38.5	PASS
Band5	4132	5	22.58	20.65	38.5	PASS
Band5	4183	1	20.64	18.71	38.5	PASS
Band5	4183	2	21.14	19.21	38.5	PASS
Band5	4183	3	21.67	19.74	38.5	PASS
Band5	4183	4	20.66	18.73	38.5	PASS
Band5	4183	5	22.63	20.7	38.5	PASS
Band5	4233	1	20.58	18.65	38.5	PASS
Band5	4233	2	21.07	19.14	38.5	PASS
Band5	4233	3	21.60	19.67	38.5	PASS
Band5	4233	4	20.62	18.69	38.5	PASS
Band5	4233	5	22.53	20.6	38.5	PASS

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

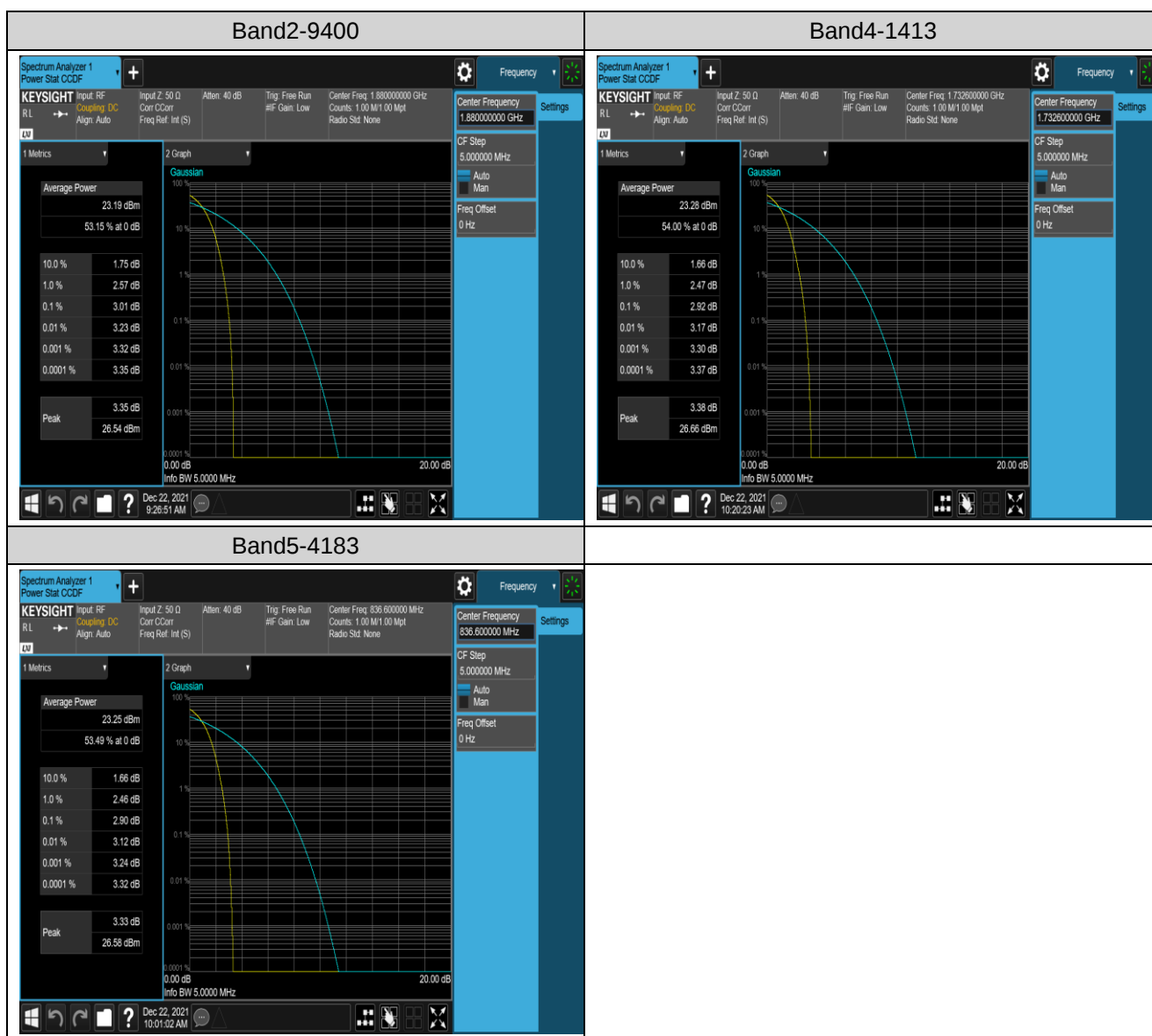
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.01	13	PASS
Band4	1413	2.92	13	PASS
Band5	4183	2.9	13	PASS

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

Test Graphs(WCDMA)

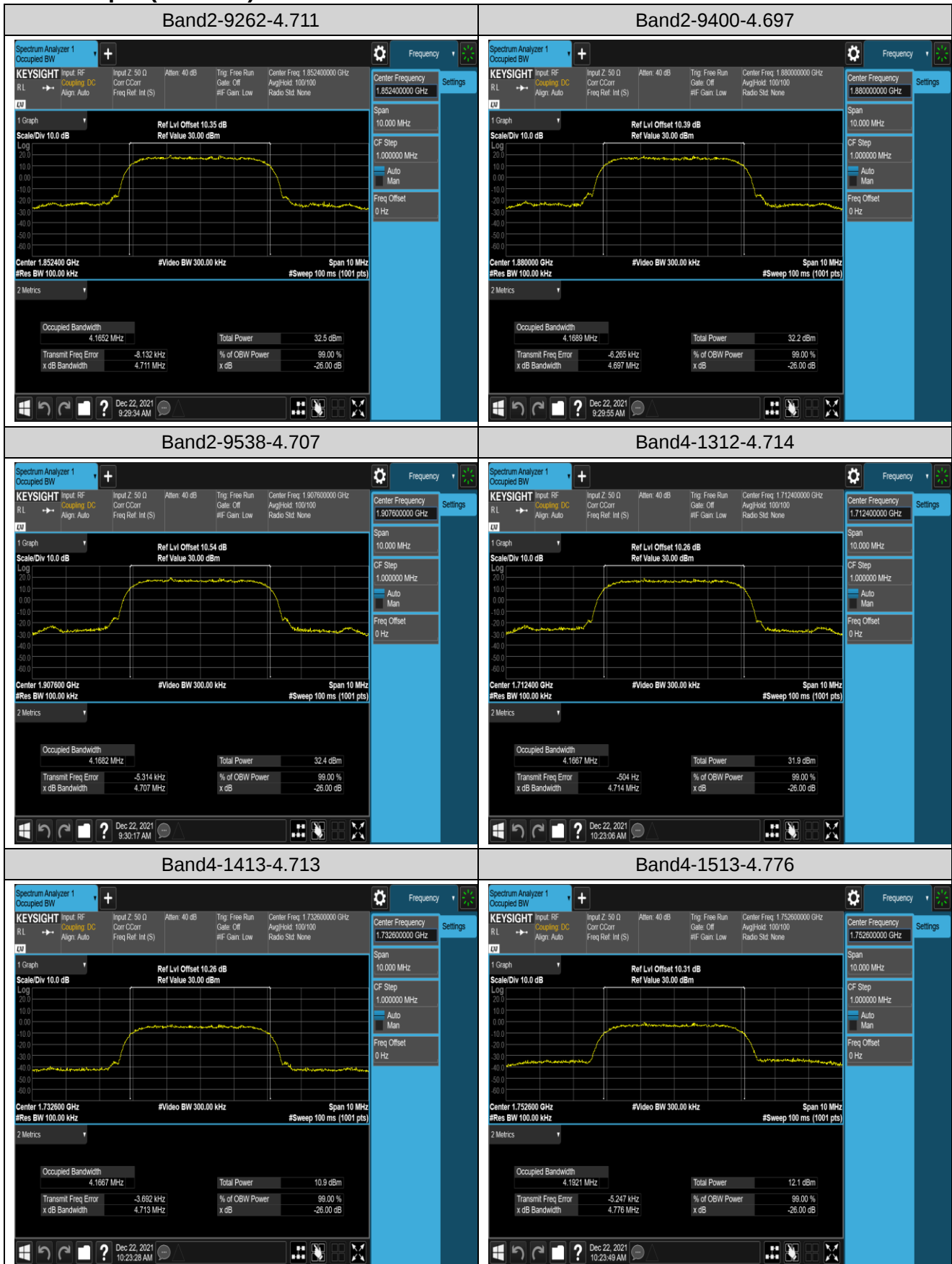


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1652	4.711	---	PASS
Band2	9400	4.1689	4.697	---	PASS
Band2	9538	4.1682	4.707	---	PASS
Band4	1312	4.1667	4.714	---	PASS
Band4	1413	4.1667	4.713	---	PASS
Band4	1513	4.1921	4.776	---	PASS
Band5	4132	4.1627	4.708	---	PASS
Band5	4183	4.1638	4.707	---	PASS
Band5	4233	4.1639	4.701	---	PASS

Test Graphs(WCDMA)



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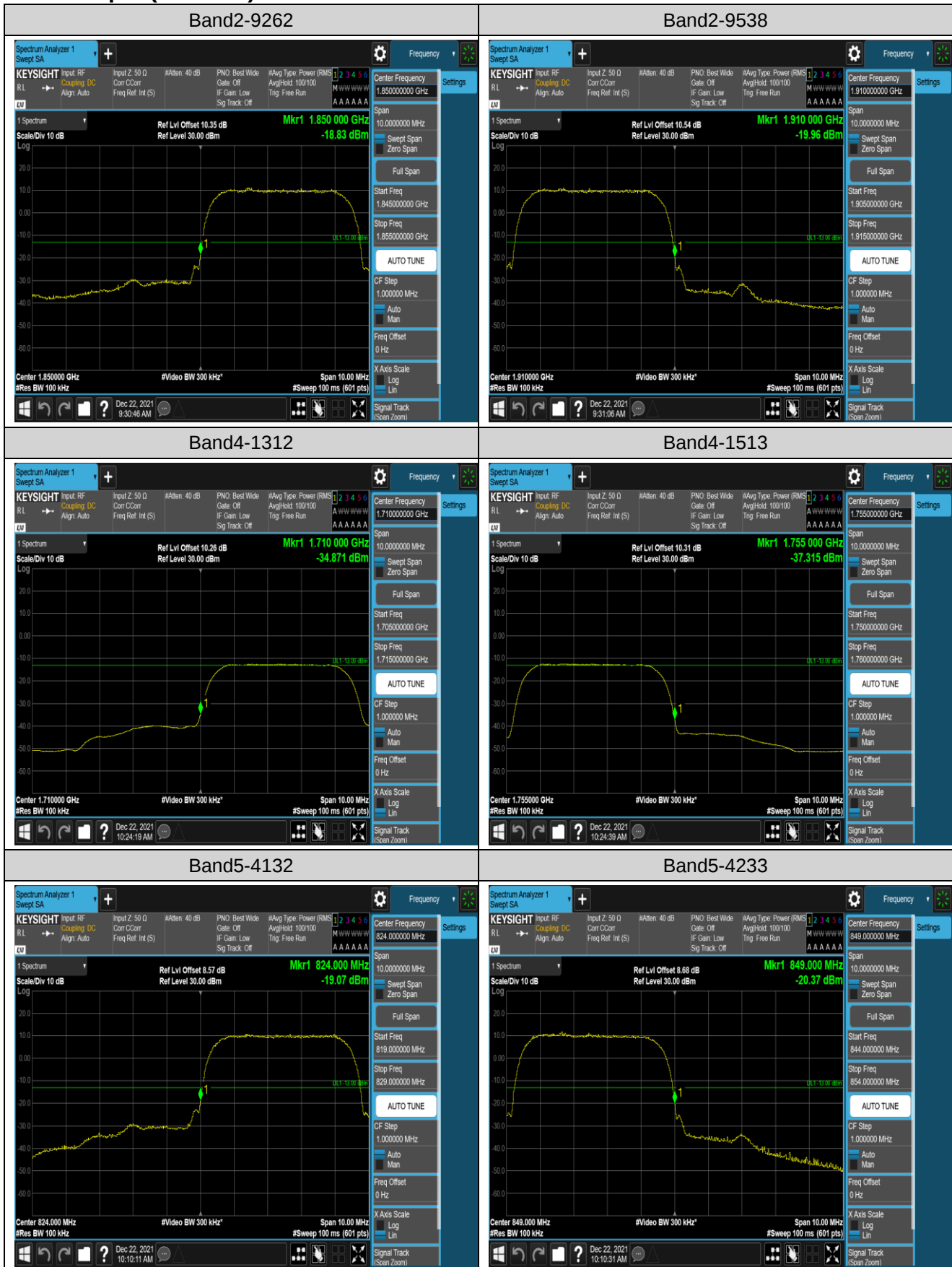


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.83	-13	PASS
Band2	9538	1910.00	-19.96	-13	PASS
Band4	1312	1710.00	-34.87	-13	PASS
Band4	1513	1755.00	-37.32	-13	PASS
Band5	4132	824.00	-19.07	-13	PASS
Band5	4233	849.00	-20.37	-13	PASS

Test Graphs(WCDMA)

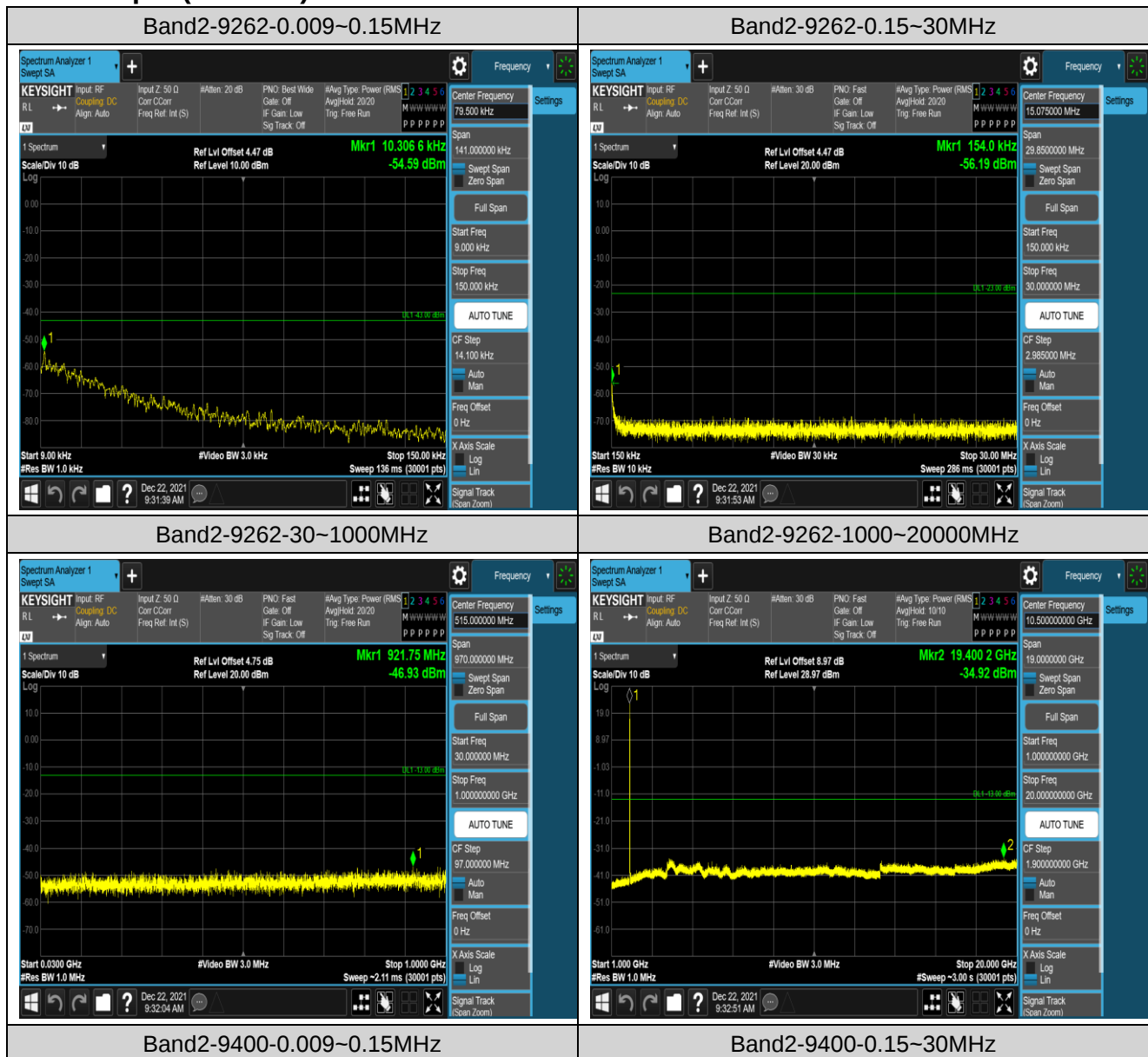


AppendixE:Conducted SpuriousEmission

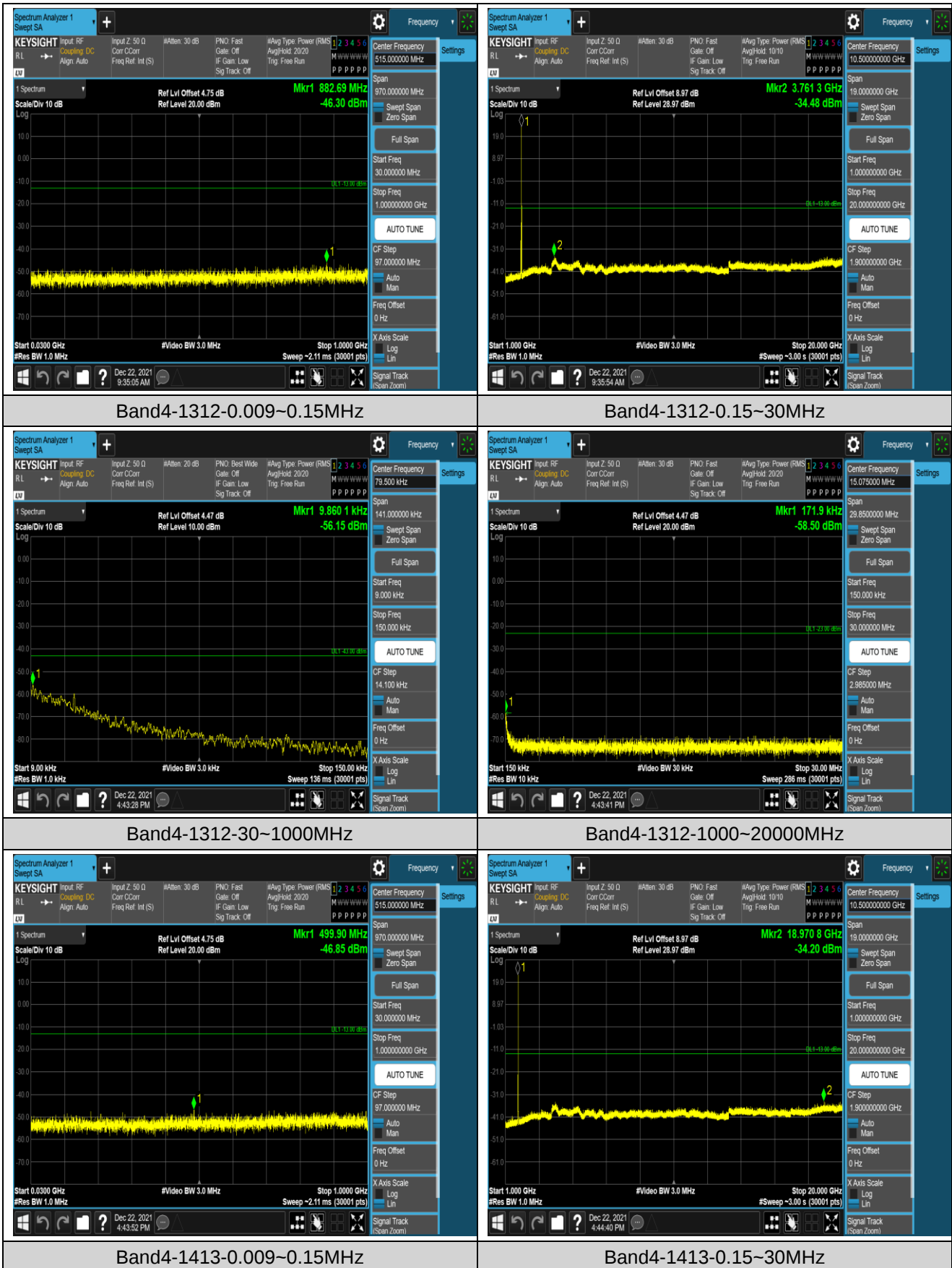
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.59	-43	PASS
Band2	9262	0.15~30MHz	0.15	-56.19	-23	PASS
Band2	9262	30~1000MHz	921.75	-46.93	-13	PASS
Band2	9262	1000~20000MHz	19400.23	-34.92	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.9	-43	PASS
Band2	9400	0.15~30MHz	0.18	-58.42	-23	PASS
Band2	9400	30~1000MHz	849.33	-46.76	-13	PASS
Band2	9400	1000~20000MHz	3762.6	-35.03	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.07	-43	PASS
Band2	9538	0.15~30MHz	0.17	-56.19	-23	PASS
Band2	9538	30~1000MHz	882.69	-46.3	-13	PASS
Band2	9538	1000~20000MHz	3761.33	-34.48	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.15	-43	PASS
Band4	1312	0.15~30MHz	0.17	-58.51	-23	PASS
Band4	1312	30~1000MHz	499.9	-46.85	-13	PASS
Band4	1312	1000~20000MHz	18970.83	-34.2	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-58	-43	PASS
Band4	1413	0.15~30MHz	0.15	-57.8	-23	PASS
Band4	1413	30~1000MHz	940.57	-46.69	-13	PASS
Band4	1413	1000~20000MHz	19394.53	-34.78	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.96	-43	PASS
Band4	1513	0.15~30MHz	0.15	-56.01	-23	PASS
Band4	1513	30~1000MHz	717.47	-47.26	-13	PASS
Band4	1513	1000~20000MHz	19397.7	-34.78	-13	PASS
Band5	4132	0.009~0.15MHz	0.02	-58.43	-33	PASS
Band5	4132	0.15~30MHz	0.17	-56.85	-13	PASS
Band5	4132	30~1000MHz	928.28	-56.29	-13	PASS
Band5	4132	1000~10000MHz	3780.7	-34.73	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-58.35	-33	PASS
Band5	4183	0.15~30MHz	0.15	-55.11	-13	PASS
Band5	4183	30~1000MHz	711.65	-55.97	-13	PASS
Band5	4183	1000~10000MHz	3882.4	-34.32	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.46	-33	PASS
Band5	4233	0.15~30MHz	0.16	-57.75	-13	PASS
Band5	4233	30~1000MHz	960.78	-55.59	-13	PASS
Band5	4233	1000~10000MHz	3710.2	-34.89	-13	PASS

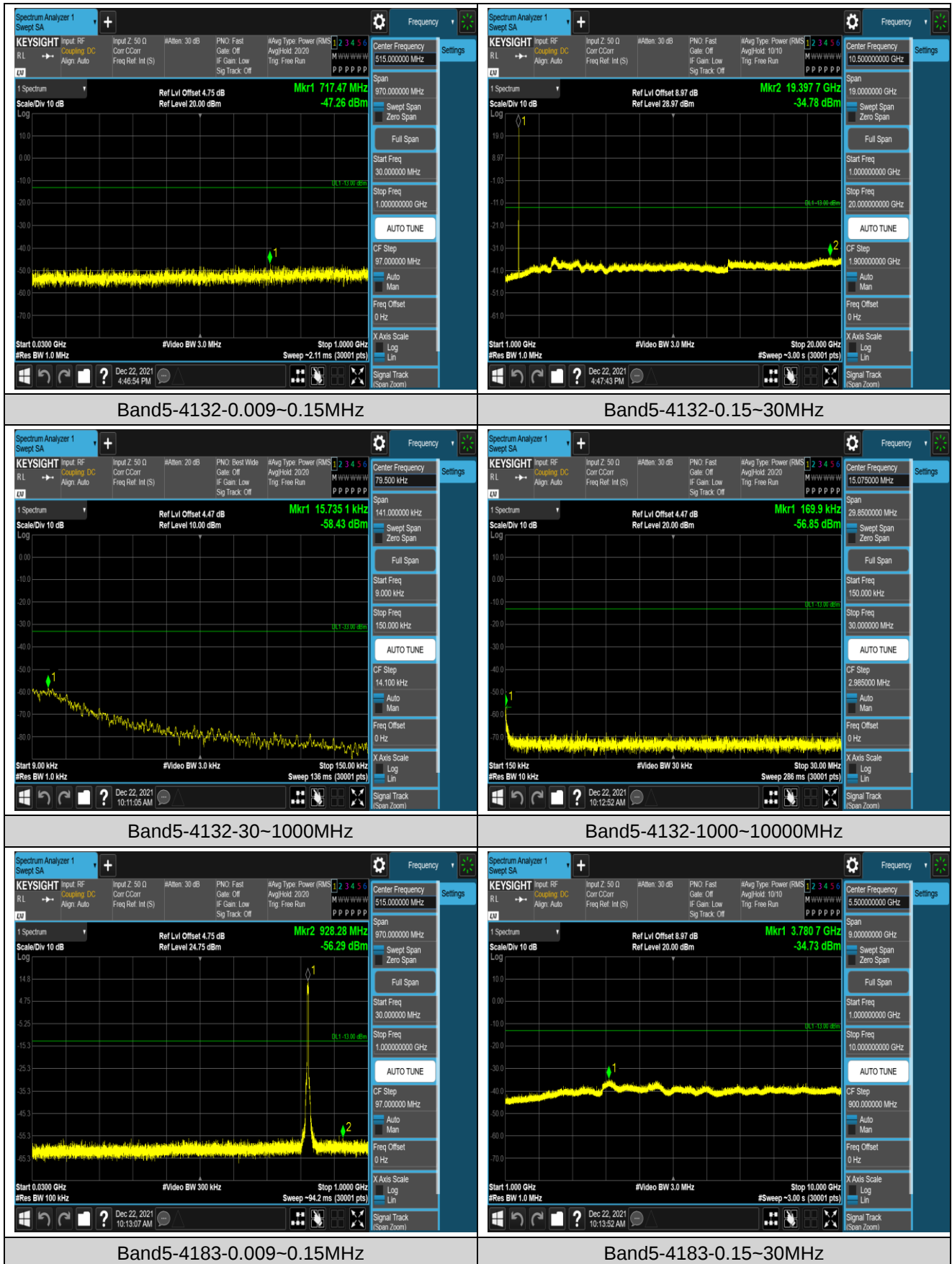
Test Graphs(WCDMA)

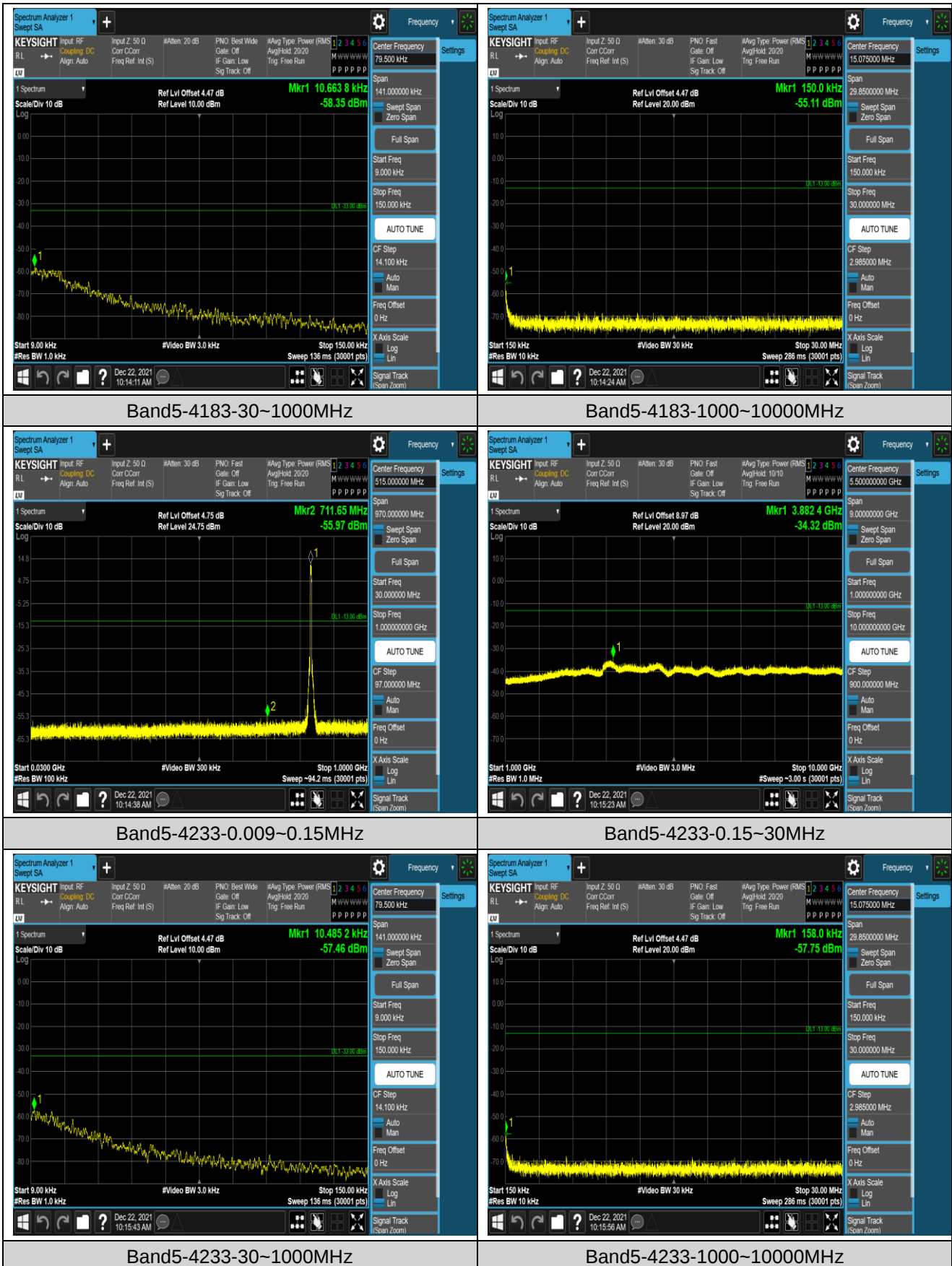














AppendixF:Frequency Stability

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		
3.87	-30	-11.90	-0.006330	Within authorized band for BAND II	Pass
	-20	-11.69	-0.006218		
	-10	-12.30	-0.006543		
	0	-13.33	-0.007090		
	10	-11.47	-0.006101		
	20	-15.12	-0.008043		
	30	-14.05	-0.007473		
	40	-13.05	-0.006941		
	50	-13.12	-0.006979		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.20	-0.007021	Within authorized band for BAND II	Pass
	3.87	-12.81	-0.006814		
	4.45	-11.97	-0.006367		
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		
3.87	-30	-10.86	-0.006268	Within authorized band for BAND IV	Pass
	-20	-10.78	-0.006222		
	-10	-6.82	-0.003936		
	0	-9.03	-0.005212		
	10	-9.33	-0.005385		
	20	-8.03	-0.004635		
	30	-11.61	-0.006701		
	40	-9.38	-0.005414		
	50	-10.12	-0.005841		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-10.29	-0.005939	Within authorized band for BAND IV	Pass
	3.87	-11.02	-0.006360		
	4.45	-12.80	-0.007388		
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		
3.87	-30	-13.75	-0.016436	±2.5	Pass
	-20	-12.68	-0.015157		
	-10	-7.43	-0.008881		
	0	-14.34	-0.017141		
	10	-12.43	-0.014858		
	20	-13.89	-0.016603		
	30	-12.75	-0.015240		
	40	-12.72	-0.015204		
	50	-11.02	-0.013172		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-9.38	-0.011212	±2.5	Pass
	3.87	-12.29	-0.014690		
	4.45	-12.74	-0.015228		
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

