

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	23.92	24.62	33	PASS
Band2	TestMode	9262	23.91	24.61	33	PASS
Band2	TestMode	9400	24.20	24.90	33	PASS
Band2	Voice	9400	24.18	24.88	33	PASS
Band2	TestMode	9538	24.16	24.86	33	PASS
Band2	Voice	9538	24.11	24.81	33	PASS
Band4	Voice	1312	24.30	24.90	30	PASS
Band4	TestMode	1312	24.31	24.91	30	PASS
Band4	Voice	1413	24.11	24.71	30	PASS
Band4	TestMode	1413	24.14	24.74	30	PASS
Band4	TestMode	1513	24.11	24.71	30	PASS
Band4	Voice	1513	24.09	24.69	30	PASS
Band5	Voice	4132	23.81	22.06	38.5	PASS
Band5	TestMode	4132	23.78	22.03	38.5	PASS
Band5	TestMode	4183	23.83	22.08	38.5	PASS
Band5	Voice	4183	23.85	22.10	38.5	PASS
Band5	Voice	4233	23.81	22.06	38.5	PASS
Band5	TestMode	4233	23.84	22.09	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.10	23.80	33	PASS
Band2	9262	2	22.58	23.28	33	PASS
Band2	9262	3	22.63	23.33	33	PASS
Band2	9262	4	22.57	23.27	33	PASS
Band2	9400	1	23.36	24.06	33	PASS
Band2	9400	2	22.83	23.53	33	PASS
Band2	9400	3	22.89	23.59	33	PASS
Band2	9400	4	22.81	23.51	33	PASS
Band2	9538	1	23.33	24.03	33	PASS
Band2	9538	2	22.78	23.48	33	PASS
Band2	9538	3	22.82	23.52	33	PASS
Band2	9538	4	22.83	23.53	33	PASS

Band4	1312	1	23.39	23.99	30	PASS
Band4	1312	2	22.88	23.48	30	PASS
Band4	1312	3	22.97	23.57	30	PASS
Band4	1312	4	22.90	23.50	30	PASS
Band4	1413	1	23.19	23.79	30	PASS
Band4	1413	2	22.70	23.30	30	PASS
Band4	1413	3	22.78	23.38	30	PASS
Band4	1413	4	22.70	23.30	30	PASS
Band4	1513	1	23.16	23.76	30	PASS
Band4	1513	2	22.67	23.27	30	PASS
Band4	1513	3	22.72	23.32	30	PASS
Band4	1513	4	22.66	23.26	30	PASS
Band5	4132	1	22.86	21.11	38.5	PASS
Band5	4132	2	22.35	20.6	38.5	PASS
Band5	4132	3	22.38	20.63	38.5	PASS
Band5	4132	4	22.34	20.59	38.5	PASS
Band5	4183	1	22.90	21.15	38.5	PASS
Band5	4183	2	22.39	20.64	38.5	PASS
Band5	4183	3	22.44	20.69	38.5	PASS
Band5	4183	4	22.39	20.64	38.5	PASS
Band5	4233	1	22.90	21.15	38.5	PASS
Band5	4233	2	22.43	20.68	38.5	PASS
Band5	4233	3	22.45	20.7	38.5	PASS
Band5	4233	4	22.42	20.67	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.01	21.71	33	PASS
Band2	9262	2	21.53	22.23	33	PASS
Band2	9262	3	22.05	22.75	33	PASS
Band2	9262	4	21.05	21.75	33	PASS
Band2	9262	5	23.04	23.74	33	PASS
Band2	9400	1	21.27	21.97	33	PASS
Band2	9400	2	21.78	22.48	33	PASS
Band2	9400	3	22.32	23.02	33	PASS
Band2	9400	4	21.30	22.00	33	PASS
Band2	9400	5	23.30	24.00	33	PASS
Band2	9538	1	21.20	21.90	33	PASS
Band2	9538	2	21.74	22.44	33	PASS
Band2	9538	3	22.21	22.91	33	PASS

Band2	9538	4	21.25	21.95	33	PASS
Band2	9538	5	23.22	23.92	33	PASS
Band4	1312	1	21.37	21.97	30	PASS
Band4	1312	2	21.86	22.46	30	PASS
Band4	1312	3	22.36	22.96	30	PASS
Band4	1312	4	21.38	21.98	30	PASS
Band4	1312	5	23.39	23.99	30	PASS
Band4	1413	1	21.16	21.76	30	PASS
Band4	1413	2	21.68	22.28	30	PASS
Band4	1413	3	22.17	22.77	30	PASS
Band4	1413	4	21.20	21.80	30	PASS
Band4	1413	5	23.21	23.81	30	PASS
Band4	1513	1	21.12	21.72	30	PASS
Band4	1513	2	21.63	22.23	30	PASS
Band4	1513	3	22.14	22.74	30	PASS
Band4	1513	4	21.16	21.76	30	PASS
Band4	1513	5	23.18	23.78	30	PASS
Band5	4132	1	20.81	19.06	38.5	PASS
Band5	4132	2	21.32	19.57	38.5	PASS
Band5	4132	3	21.85	20.1	38.5	PASS
Band5	4132	4	20.86	19.11	38.5	PASS
Band5	4132	5	22.86	21.11	38.5	PASS
Band5	4183	1	20.87	19.12	38.5	PASS
Band5	4183	2	21.39	19.64	38.5	PASS
Band5	4183	3	21.87	20.12	38.5	PASS
Band5	4183	4	20.91	19.16	38.5	PASS
Band5	4183	5	22.90	21.15	38.5	PASS
Band5	4233	1	20.89	19.14	38.5	PASS
Band5	4233	2	21.38	19.63	38.5	PASS
Band5	4233	3	21.89	20.14	38.5	PASS
Band5	4233	4	20.92	19.17	38.5	PASS
Band5	4233	5	22.92	21.17	38.5	PASS

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

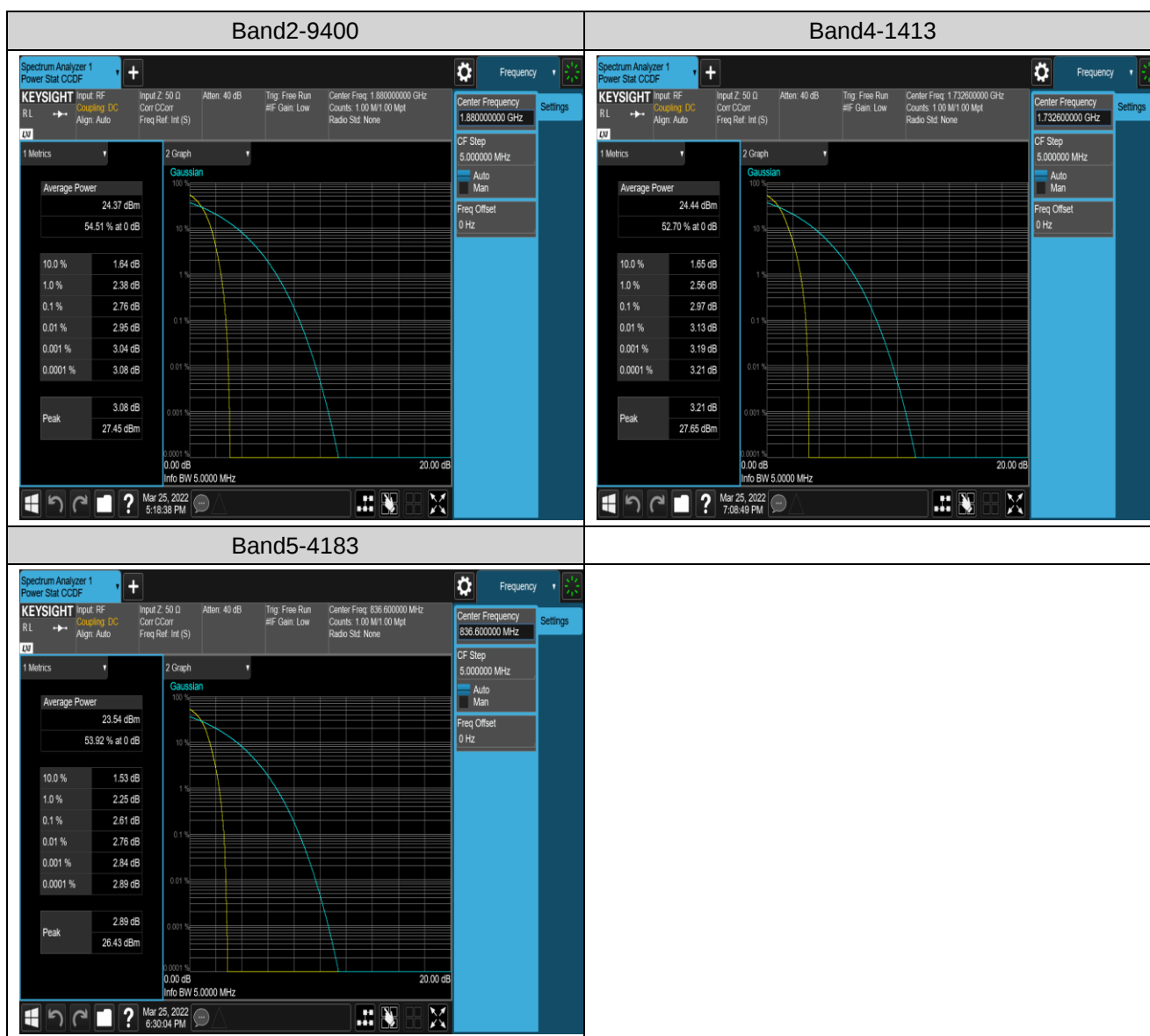
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.76	13	PASS
Band4	1413	2.97	13	PASS
Band5	4183	2.61	13	PASS

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

Test Graphs(WCDMA)

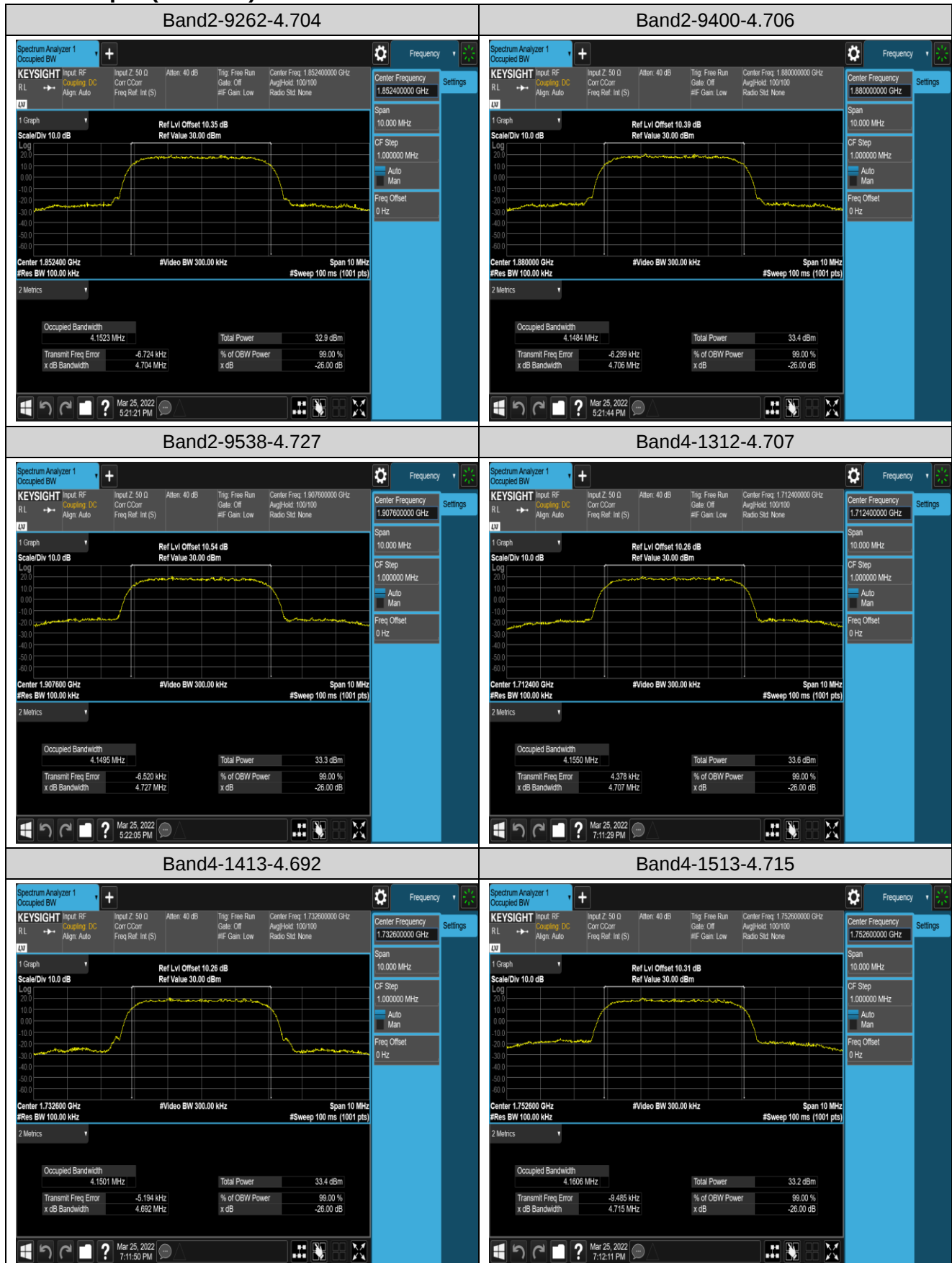


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1523	4.704	---	PASS
Band2	9400	4.1484	4.706	---	PASS
Band2	9538	4.1495	4.727	---	PASS
Band4	1312	4.1550	4.707	---	PASS
Band4	1413	4.1501	4.692	---	PASS
Band4	1513	4.1606	4.715	---	PASS
Band5	4132	4.1510	4.714	---	PASS
Band5	4183	4.1626	4.721	---	PASS
Band5	4233	4.1561	4.723	---	PASS

Test Graphs(WCDMA)



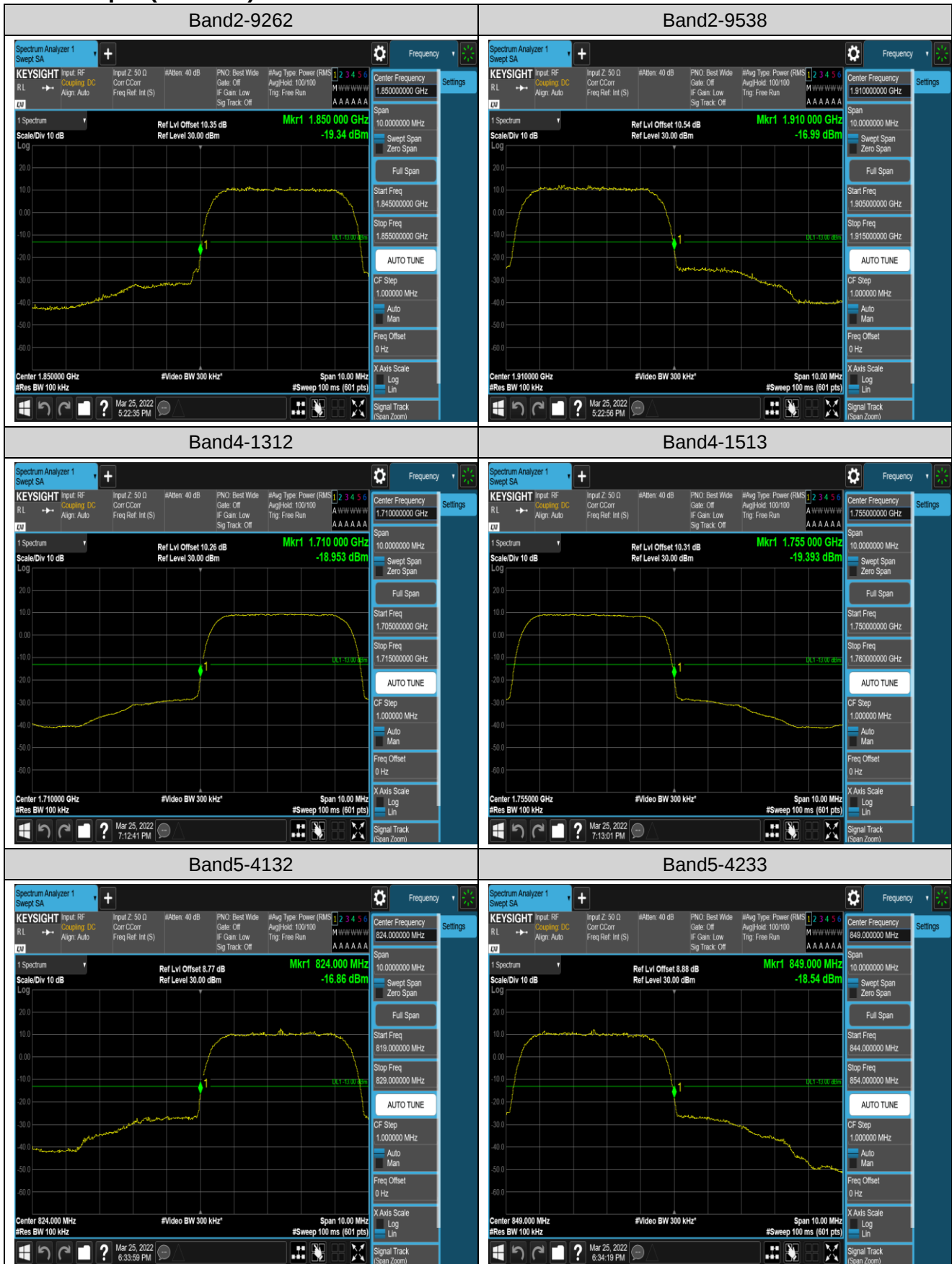


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.34	-13	PASS
Band2	9538	1910.00	-16.99	-13	PASS
Band4	1312	1710.00	-18.95	-13	PASS
Band4	1513	1755.00	-19.39	-13	PASS
Band5	4132	824.00	-16.86	-13	PASS
Band5	4233	849.00	-18.54	-13	PASS

Test Graphs(WCDMA)

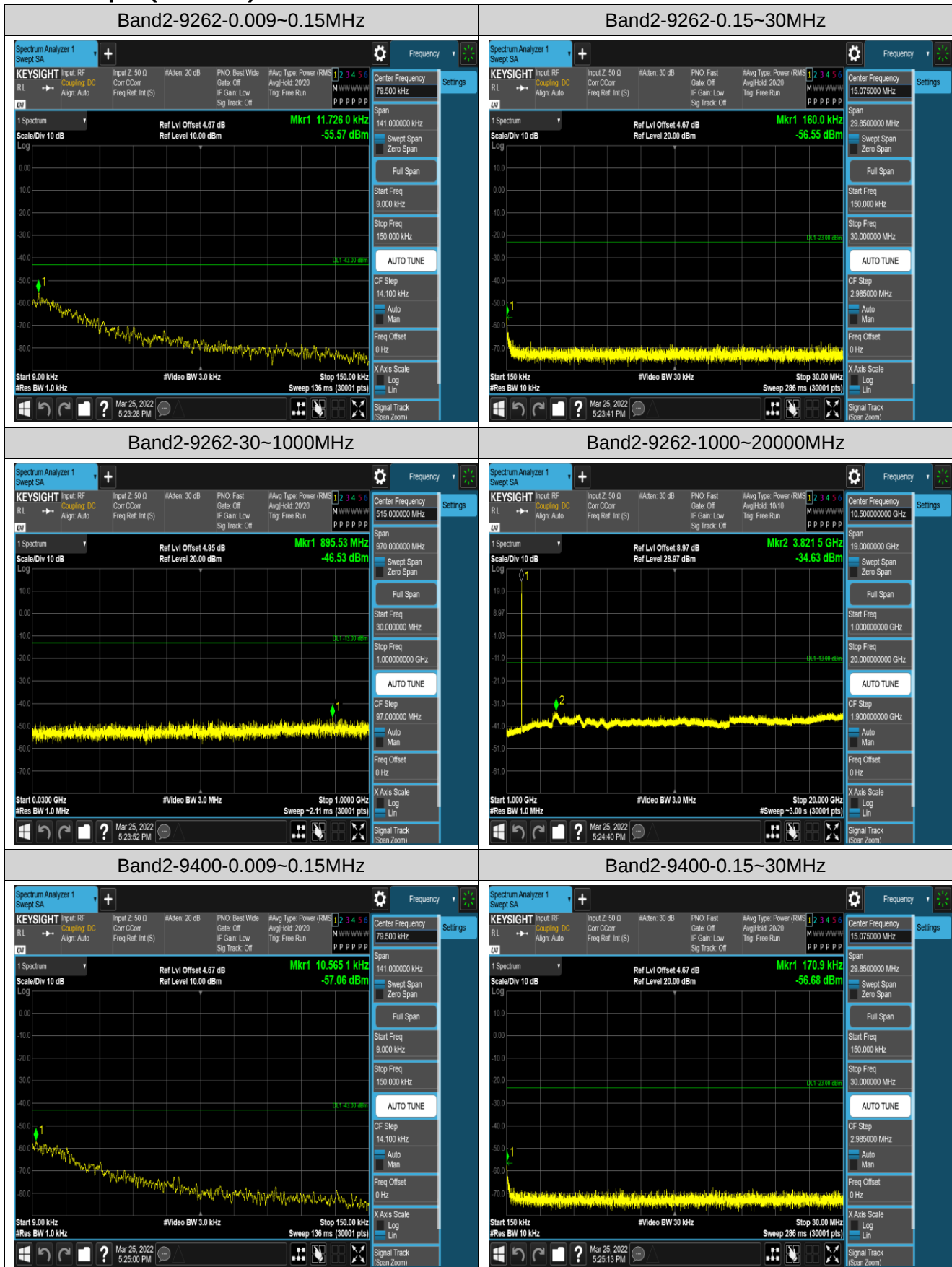


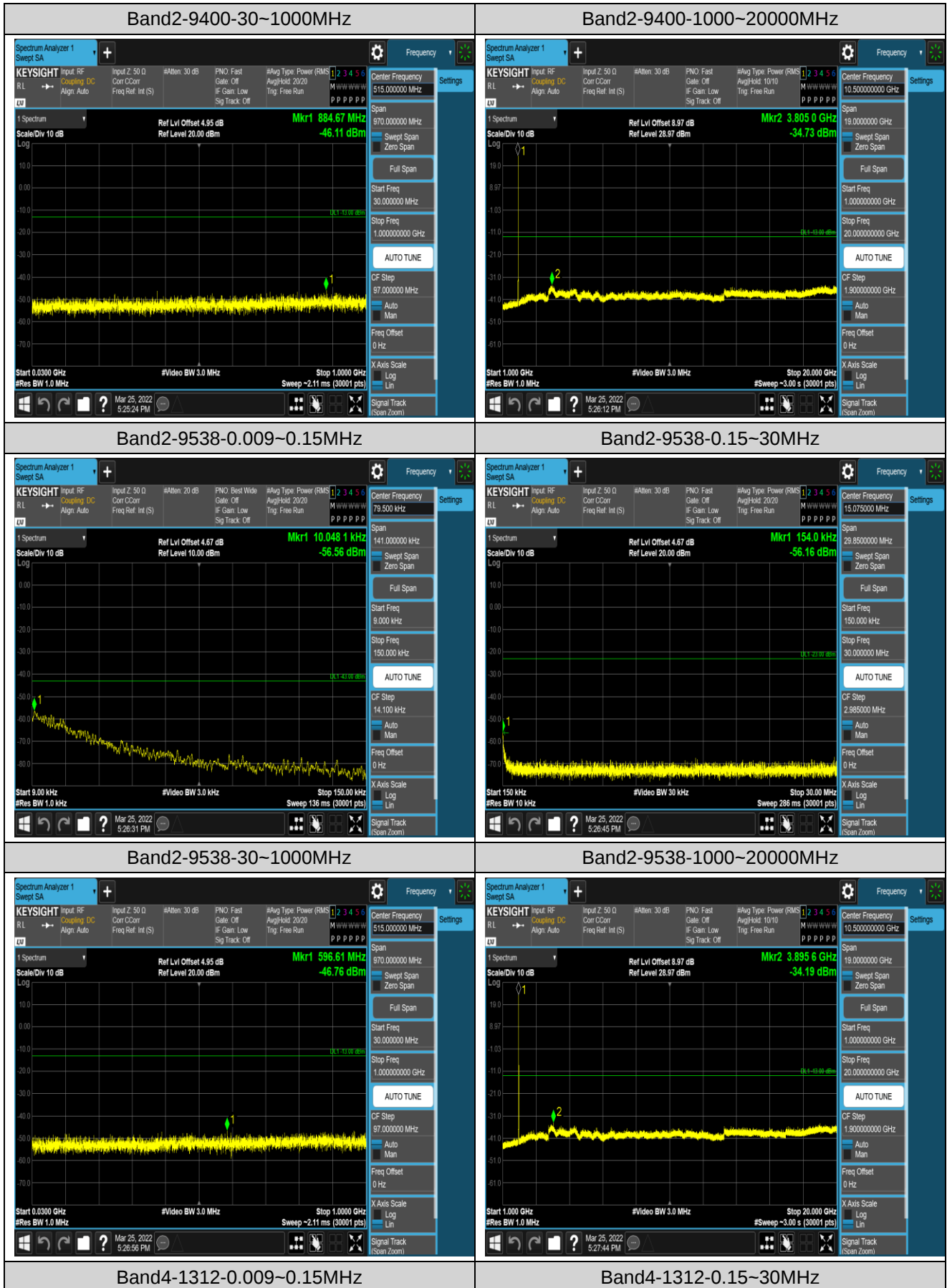
Appendix E: Conducted Spurious Emission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.57	-43	PASS
Band2	9262	0.15~30MHz	0.16	-56.55	-23	PASS
Band2	9262	30~1000MHz	895.53	-46.53	-13	PASS
Band2	9262	1000~20000MHz	3821.5	-34.63	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.06	-43	PASS
Band2	9400	0.15~30MHz	0.17	-56.68	-23	PASS
Band2	9400	30~1000MHz	884.67	-46.11	-13	PASS
Band2	9400	1000~20000MHz	3805.03	-34.73	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.56	-43	PASS
Band2	9538	0.15~30MHz	0.15	-56.17	-23	PASS
Band2	9538	30~1000MHz	596.61	-46.76	-13	PASS
Band2	9538	1000~20000MHz	3895.6	-34.19	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-57.06	-43	PASS
Band4	1312	0.15~30MHz	0.16	-57.94	-23	PASS
Band4	1312	30~1000MHz	831.54	-45.75	-13	PASS
Band4	1312	1000~20000MHz	18962.6	-34.59	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.56	-43	PASS
Band4	1413	0.15~30MHz	0.15	-57.04	-23	PASS
Band4	1413	30~1000MHz	863.68	-46.62	-13	PASS
Band4	1413	1000~20000MHz	19389.47	-34.51	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.24	-43	PASS
Band4	1513	0.15~30MHz	0.15	-57.68	-23	PASS
Band4	1513	30~1000MHz	689.6	-46.55	-13	PASS
Band4	1513	1000~20000MHz	19371.73	-34.69	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.1	-33	PASS
Band5	4132	0.15~30MHz	0.15	-55.74	-13	PASS
Band5	4132	30~1000MHz	990.85	-55.52	-13	PASS
Band5	4132	1000~10000MHz	3781	-33.57	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.58	-33	PASS
Band5	4183	0.15~30MHz	0.15	-56.93	-13	PASS
Band5	4183	30~1000MHz	947.91	-55.16	-13	PASS
Band5	4183	1000~10000MHz	3841	-34.49	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.61	-33	PASS
Band5	4233	0.15~30MHz	0.16	-56.47	-13	PASS
Band5	4233	30~1000MHz	290.74	-55.74	-13	PASS
Band5	4233	1000~10000MHz	3826	-34.69	-13	PASS

Test Graphs(WCDMA)



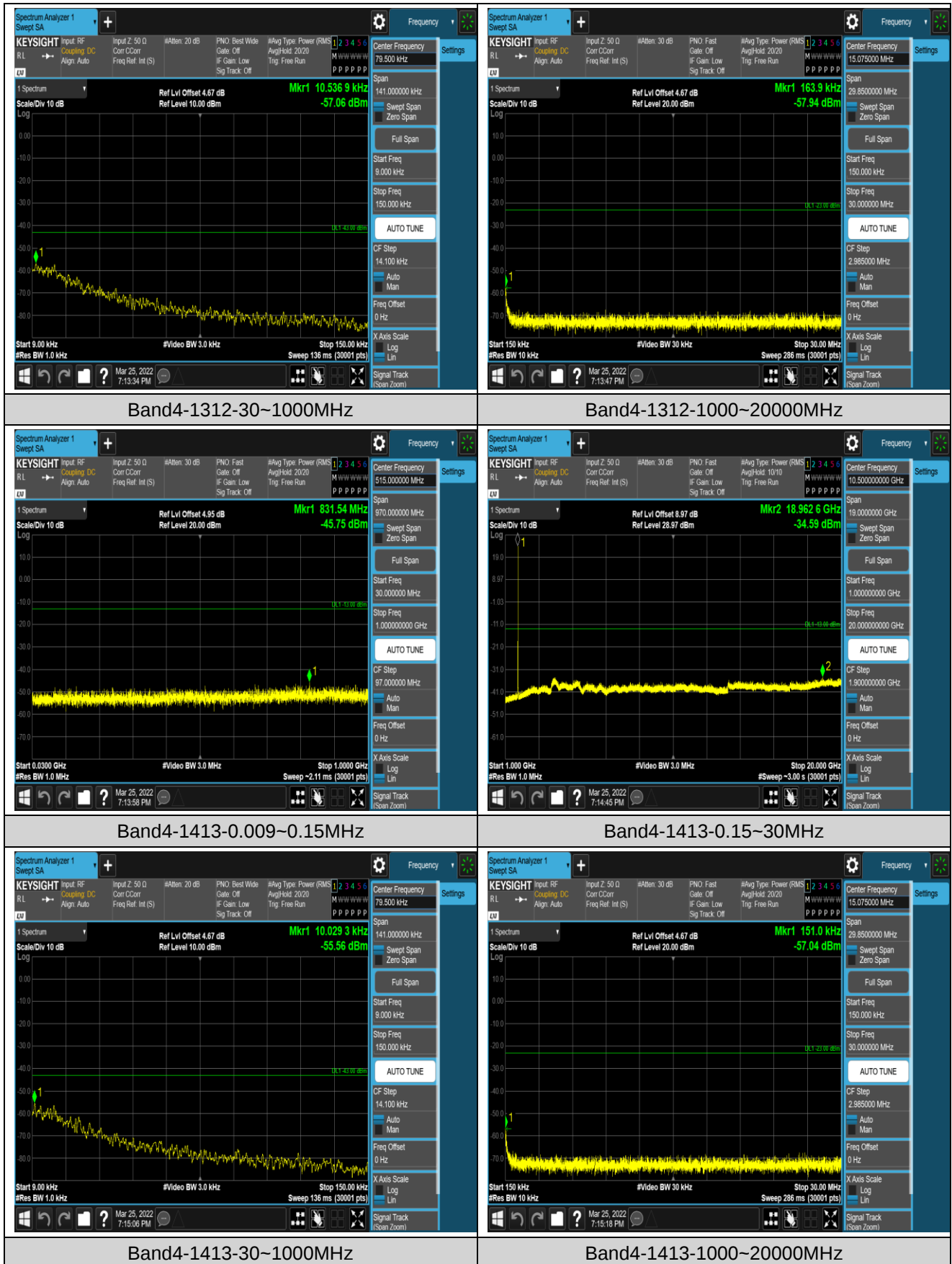


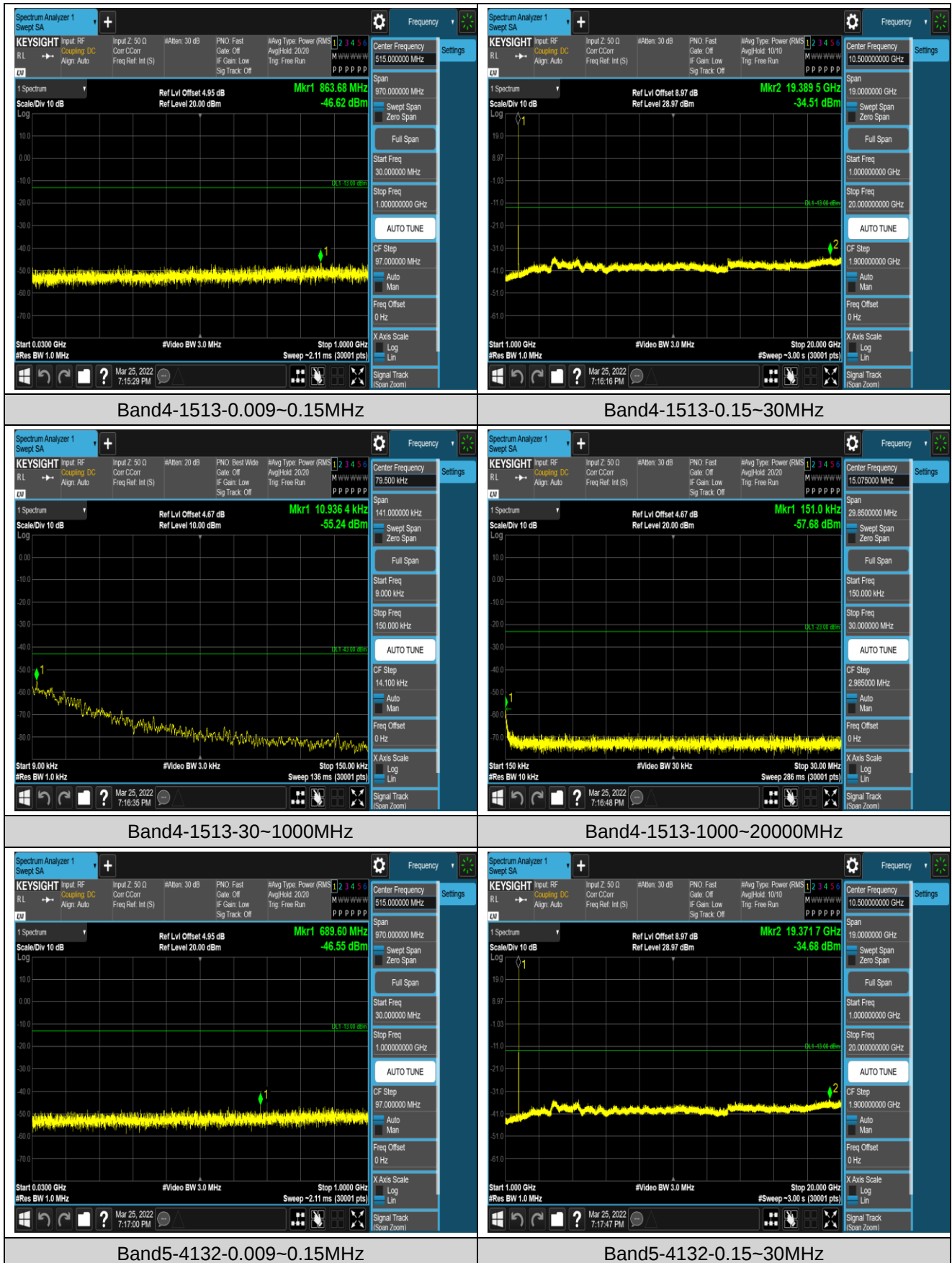
JianYan Testing Group Shenzhen Co., Ltd.

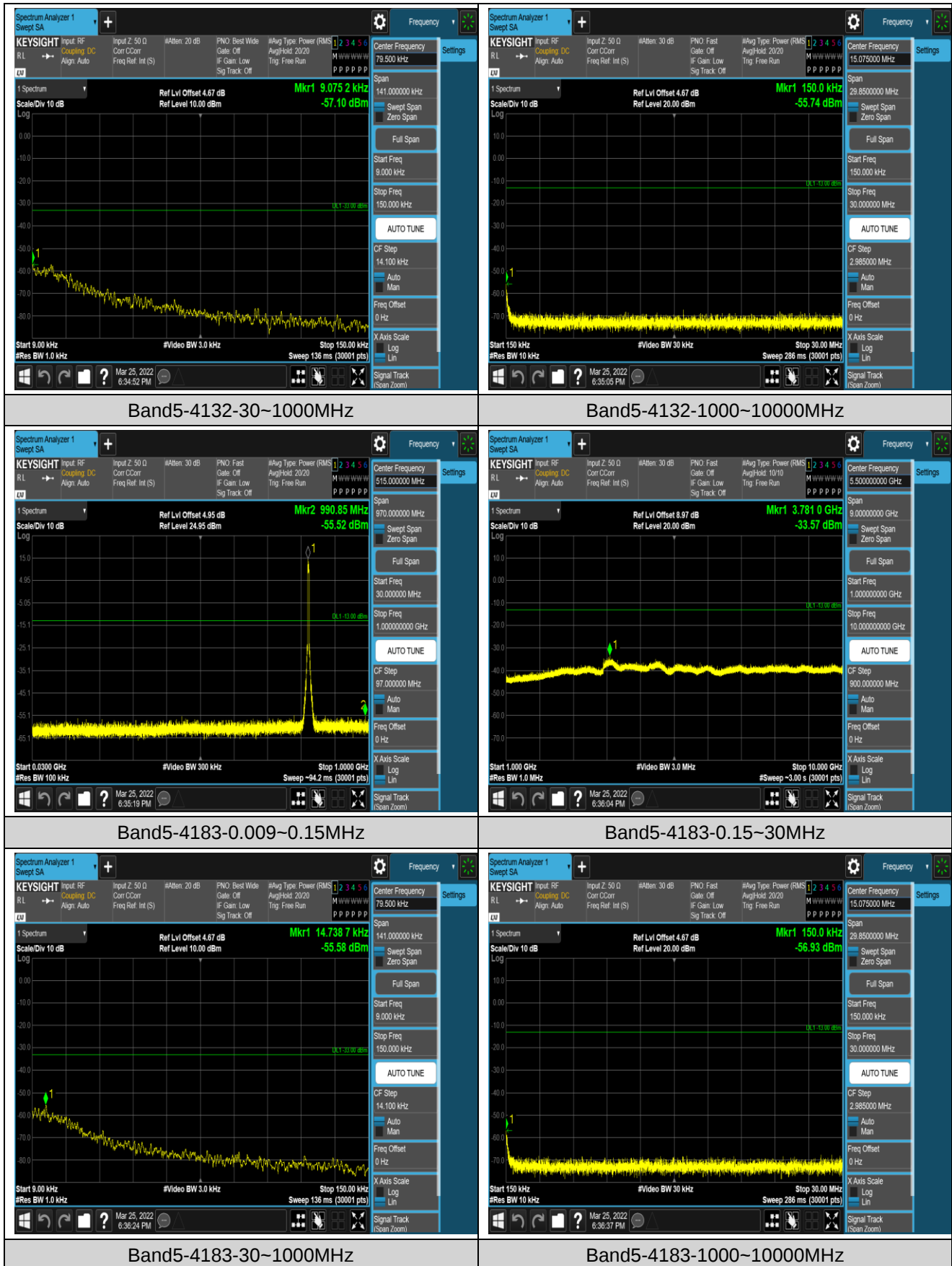
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

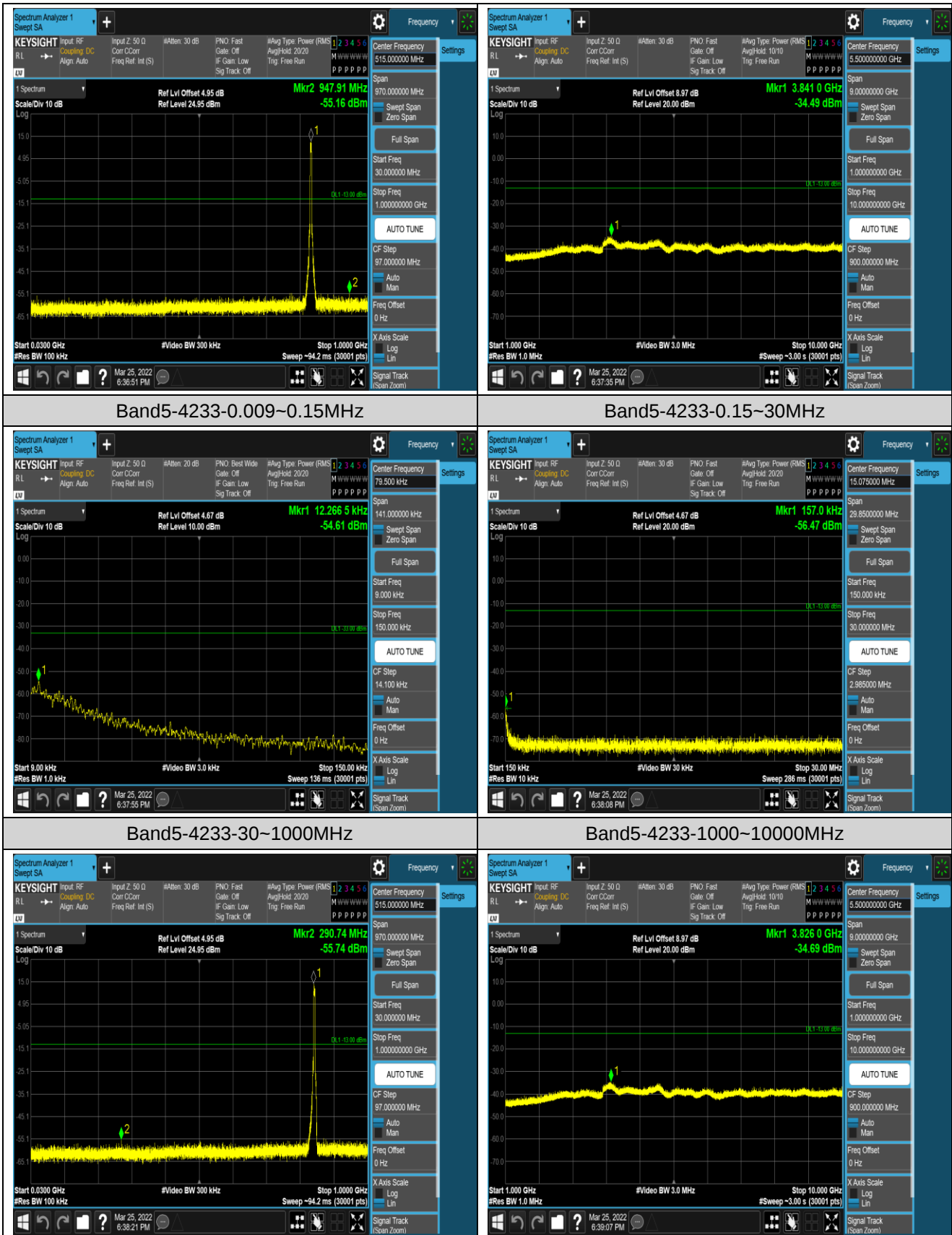
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Project No.: JYTSZR2203150









Appendix F: 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		
3.85	-30	2.95	0.001569	Within authorized band for BAND II	Pass
	-20	2.14	0.001138		
	-10	2.65	0.001410		
	0	3.53	0.001878		
	10	3.34	0.001777		
	20	3.37	0.001793		
	30	2.78	0.001479		
	40	3.10	0.001649		
	50	3.65	0.001941		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	2.62	0.001394	Within authorized band for BAND II	Pass
	3.85	2.45	0.001303		
	4.40	2.97	0.001580		
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= 1732.6MHz channel=1413					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-1.75	-0.001010	Within authorized band for BAND IV	Pass
	-20	-1.36	-0.000785		
	-10	-1.57	-0.000906		
	0	-1.38	-0.000796		
	10	-1.32	-0.000762		
	20	-0.79	-0.000456		
	30	-0.99	-0.000571		
	40	-0.21	-0.000121		
	50	-1.50	-0.000866		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.76	-0.001016	Within authorized band for BAND IV	Pass
	3.85	-0.88	-0.000508		
	4.40	-1.62	-0.000935		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-2.37	-0.002833	±2.5	Pass
	-20	-1.95	-0.002331		
	-10	-1.91	-0.002283		
	0	-1.74	-0.002080		
	10	-2.20	-0.002630		
	20	-1.67	-0.001996		
	30	-2.11	-0.002522		
	40	-1.26	-0.001506		
	50	-1.79	-0.002140		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-2.27	-0.002713	±2.5	Pass
	3.85	-1.64	-0.001960		
	4.40	-1.75	-0.002092		
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

