

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	23.98	24.48	33.01	PASS
Band2	TestMode	9262	24.02	24.52	33.01	PASS
Band2	Voice	9400	24.10	24.6	33.01	PASS
Band2	TestMode	9400	24.16	24.66	33.01	PASS
Band2	Voice	9538	23.77	24.27	33.01	PASS
Band2	TestMode	9538	23.92	24.42	33.01	PASS
Band5	Voice	4132	23.45	21	38.45	PASS
Band5	TestMode	4132	23.44	20.99	38.45	PASS
Band5	Voice	4183	23.56	21.11	38.45	PASS
Band5	TestMode	4183	23.53	21.08	38.45	PASS
Band5	Voice	4233	23.57	21.12	38.45	PASS
Band5	TestMode	4233	23.55	21.1	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.05	23.55	33.01	PASS
Band2	9262	2	22.46	22.96	33.01	PASS
Band2	9262	3	22.50	23	33.01	PASS
Band2	9262	4	22.43	22.93	33.01	PASS
Band2	9400	1	23.19	23.69	33.01	PASS
Band2	9400	2	22.60	23.1	33.01	PASS
Band2	9400	3	22.59	23.09	33.01	PASS
Band2	9400	4	22.62	23.12	33.01	PASS
Band2	9538	1	22.91	23.41	33.01	PASS
Band2	9538	2	22.31	22.81	33.01	PASS
Band2	9538	3	22.30	22.8	33.01	PASS
Band2	9538	4	22.33	22.83	33.01	PASS
Band5	4132	1	22.48	20.03	38.5	PASS
Band5	4132	2	22.00	19.55	38.5	PASS
Band5	4132	3	21.99	19.54	38.5	PASS
Band5	4132	4	21.98	19.53	38.5	PASS
Band5	4183	1	22.60	20.15	38.5	PASS
Band5	4183	2	22.10	19.65	38.5	PASS

Band5	4183	3	22.10	19.65	38.5	PASS
Band5	4183	4	22.07	19.62	38.5	PASS
Band5	4233	1	22.60	20.15	38.5	PASS
Band5	4233	2	22.13	19.68	38.5	PASS
Band5	4233	3	22.09	19.64	38.5	PASS
Band5	4233	4	22.08	19.63	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	21.51	33.01	PASS
Band2	9262	2	21.52	22.02	33.01	PASS
Band2	9262	3	21.98	22.48	33.01	PASS
Band2	9262	4	21.06	21.56	33.01	PASS
Band2	9262	5	22.97	23.47	33.01	PASS
Band2	9400	1	21.13	21.63	33.01	PASS
Band2	9400	2	21.68	22.18	33.01	PASS
Band2	9400	3	22.12	22.62	33.01	PASS
Band2	9400	4	21.17	21.67	33.01	PASS
Band2	9400	5	23.08	23.58	33.01	PASS
Band2	9538	1	20.86	21.36	33.01	PASS
Band2	9538	2	21.36	21.86	33.01	PASS
Band2	9538	3	21.88	22.38	33.01	PASS
Band2	9538	4	20.90	21.4	33.01	PASS
Band2	9538	5	22.82	23.32	33.01	PASS
Band5	4132	1	20.53	18.08	38.5	PASS
Band5	4132	2	21.03	18.58	38.5	PASS
Band5	4132	3	21.55	19.1	38.5	PASS
Band5	4132	4	20.55	18.1	38.5	PASS
Band5	4132	5	22.49	20.04	38.5	PASS
Band5	4183	1	20.60	18.15	38.5	PASS
Band5	4183	2	21.15	18.7	38.5	PASS
Band5	4183	3	21.61	19.16	38.5	PASS
Band5	4183	4	20.65	18.2	38.5	PASS
Band5	4183	5	22.58	20.13	38.5	PASS
Band5	4233	1	20.65	18.2	38.5	PASS
Band5	4233	2	21.18	18.73	38.5	PASS
Band5	4233	3	21.66	19.21	38.5	PASS
Band5	4233	4	20.68	18.23	38.5	PASS
Band5	4233	5	22.62	20.17	38.5	PASS

Remark: $EIRP\ (dBm) = \text{Conducted power}\ (dBm) + \text{Antenna Gain}\ (dBi)$. (For Band2)

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

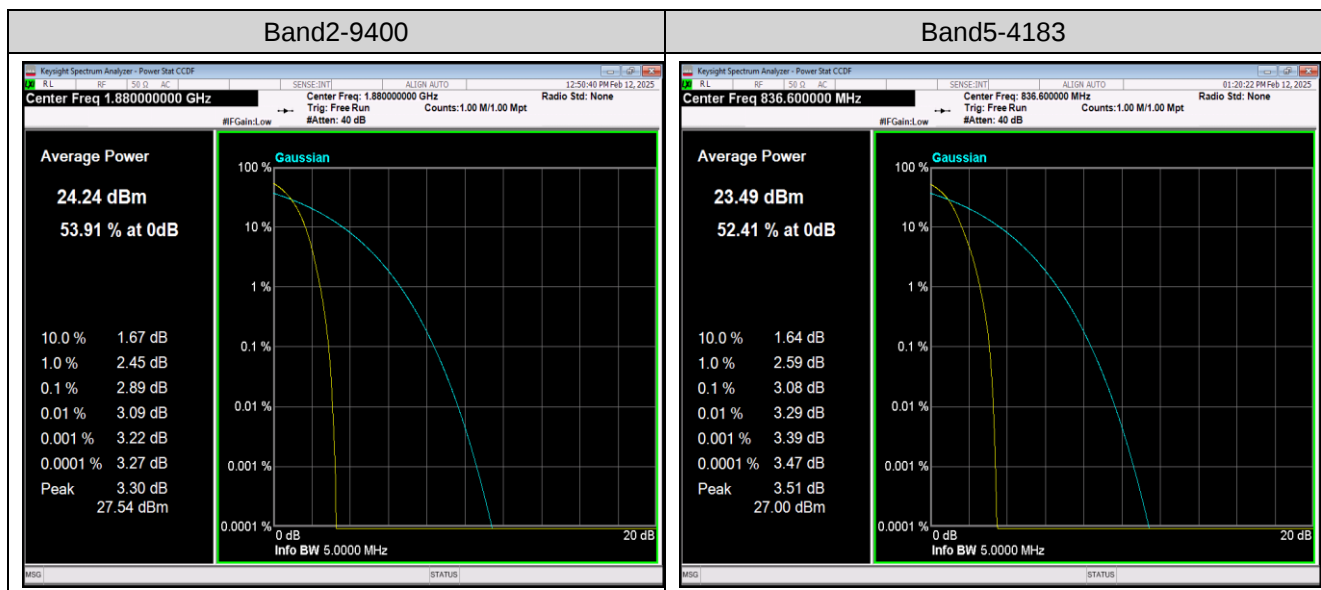
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.89	13	PASS
Band5	4183	3.08	13	PASS

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

Test Graphs(WCDMA)

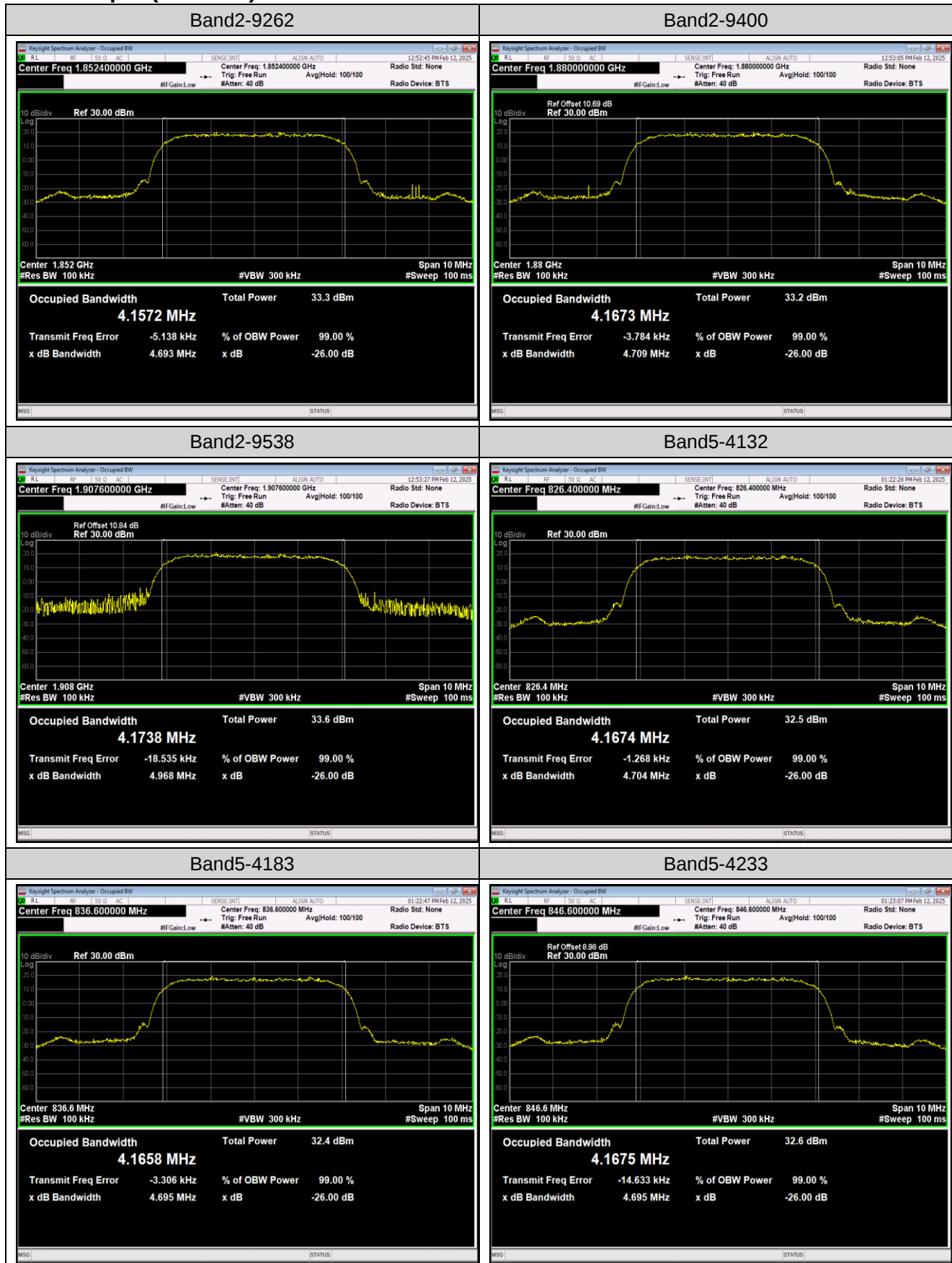


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1572	4.693	---	PASS
Band2	9400	4.1673	4.709	---	PASS
Band2	9538	4.1738	4.968	---	PASS
Band5	4132	4.1674	4.704	---	PASS
Band5	4183	4.1658	4.695	---	PASS
Band5	4233	4.1675	4.695	---	PASS

Test Graphs(WCDMA)

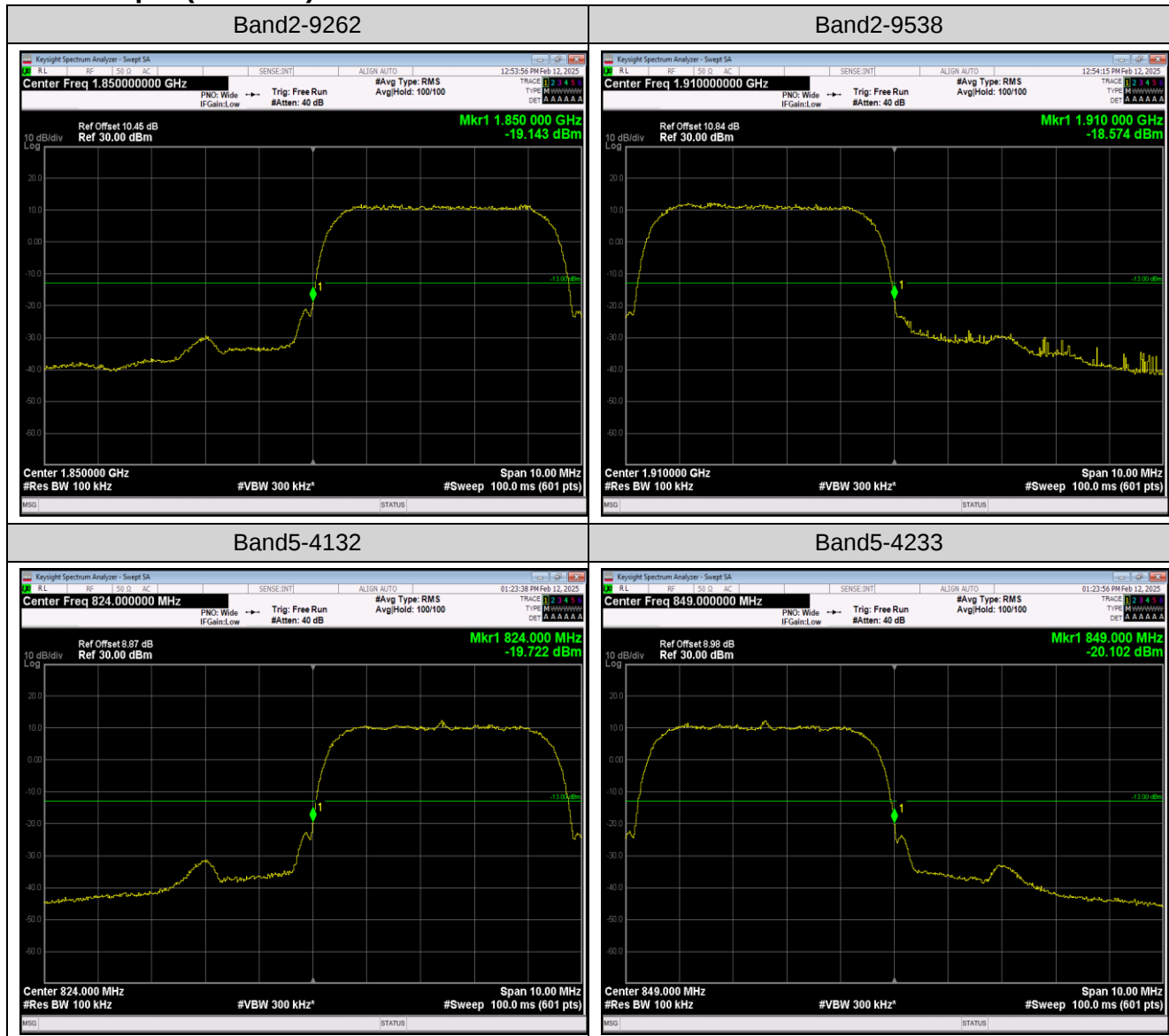


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.14	-13	PASS
Band2	9538	1910.00	-18.57	-13	PASS
Band5	4132	824.00	-19.72	-13	PASS
Band5	4233	849.00	-20.10	-13	PASS

Test Graphs(WCDMA)

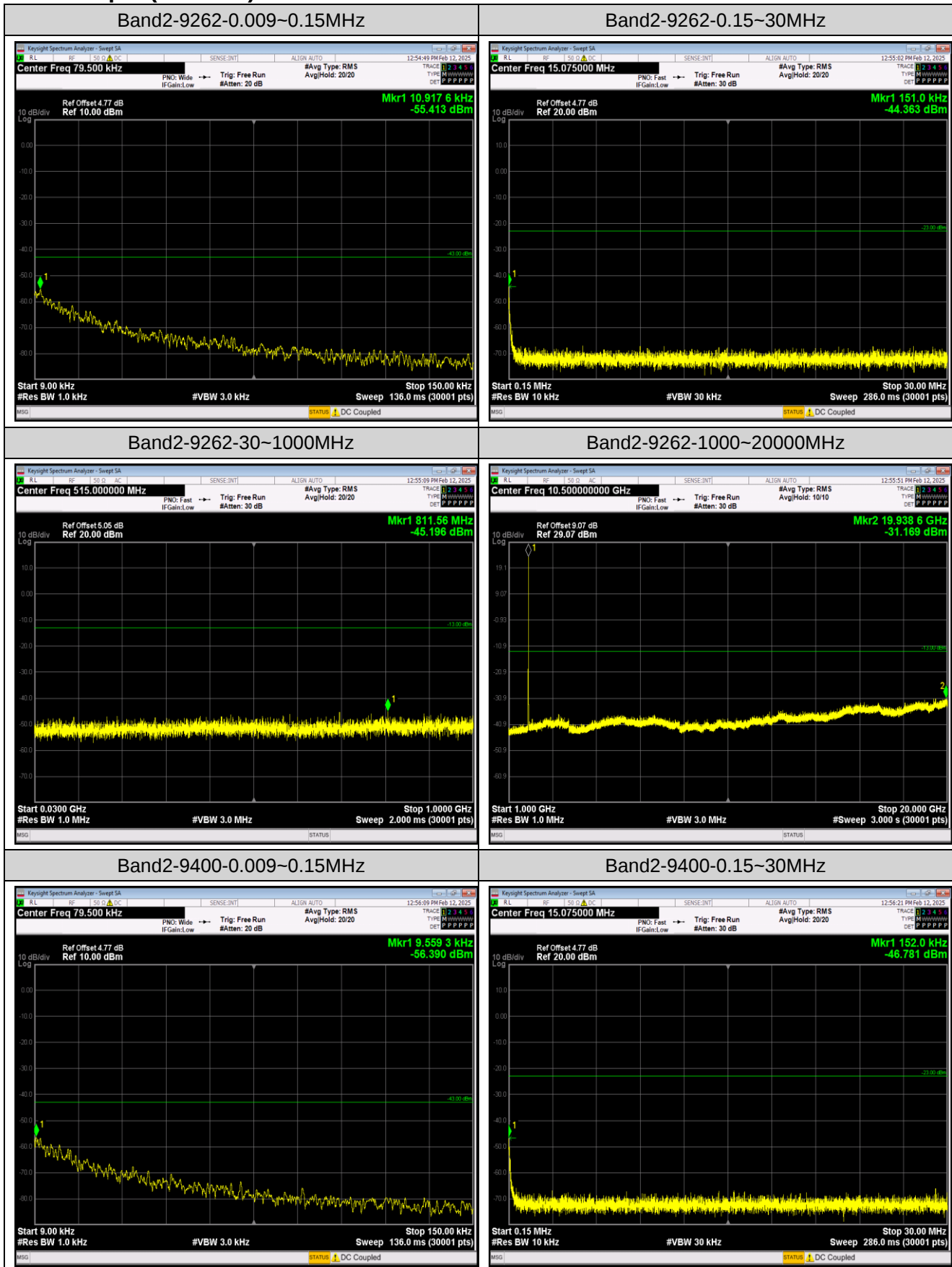


AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.41	-43	PASS
Band2	9262	0.15~30MHz	0.15	-44.36	-23	PASS
Band2	9262	30~1000MHz	811.56	-45.2	-13	PASS
Band2	9262	1000~20000MHz	19938.57	-31.17	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.39	-43	PASS
Band2	9400	0.15~30MHz	0.15	-46.78	-23	PASS
Band2	9400	30~1000MHz	825.66	-42.97	-13	PASS
Band2	9400	1000~20000MHz	19927.8	-30.06	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.18	-43	PASS
Band2	9538	0.15~30MHz	0.16	-47.61	-23	PASS
Band2	9538	30~1000MHz	558.23	-45.7	-13	PASS
Band2	9538	1000~20000MHz	19933.5	-30.19	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.91	-33	PASS
Band5	4132	0.15~30MHz	0.16	-48.96	-13	PASS
Band5	4132	30~1000MHz	938.6	-54.2	-13	PASS
Band5	4132	1000~10000MHz	6019.3	-37	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.21	-33	PASS
Band5	4183	0.15~30MHz	0.15	-47.51	-13	PASS
Band5	4183	30~1000MHz	721.51	-54.5	-13	PASS
Band5	4183	1000~10000MHz	5878.3	-36.08	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.97	-33	PASS
Band5	4233	0.15~30MHz	0.16	-46.56	-13	PASS
Band5	4233	30~1000MHz	422.14	-55.13	-13	PASS
Band5	4233	1000~10000MHz	6092.5	-36.14	-13	PASS

Test Graphs(WCDMA)

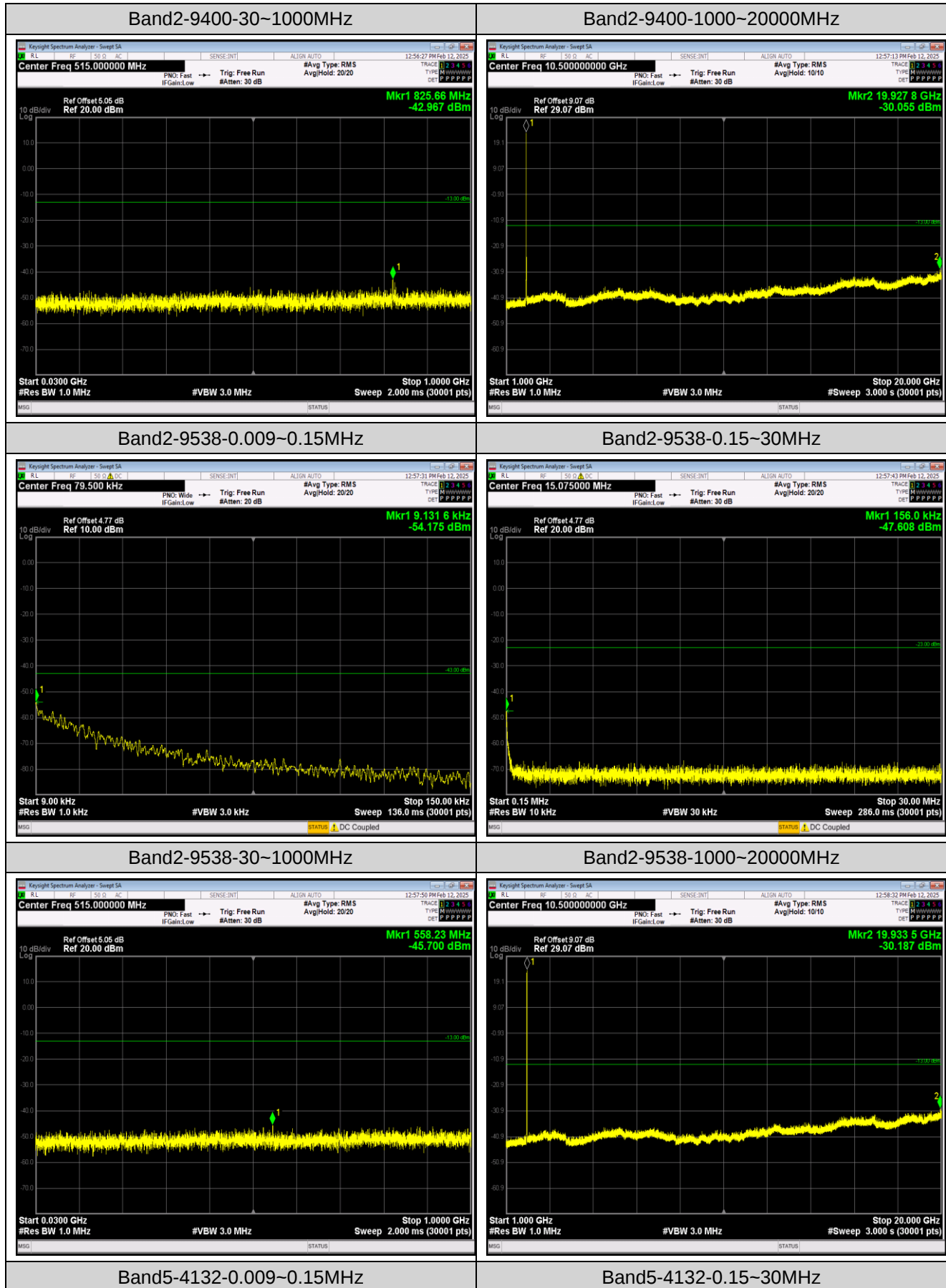


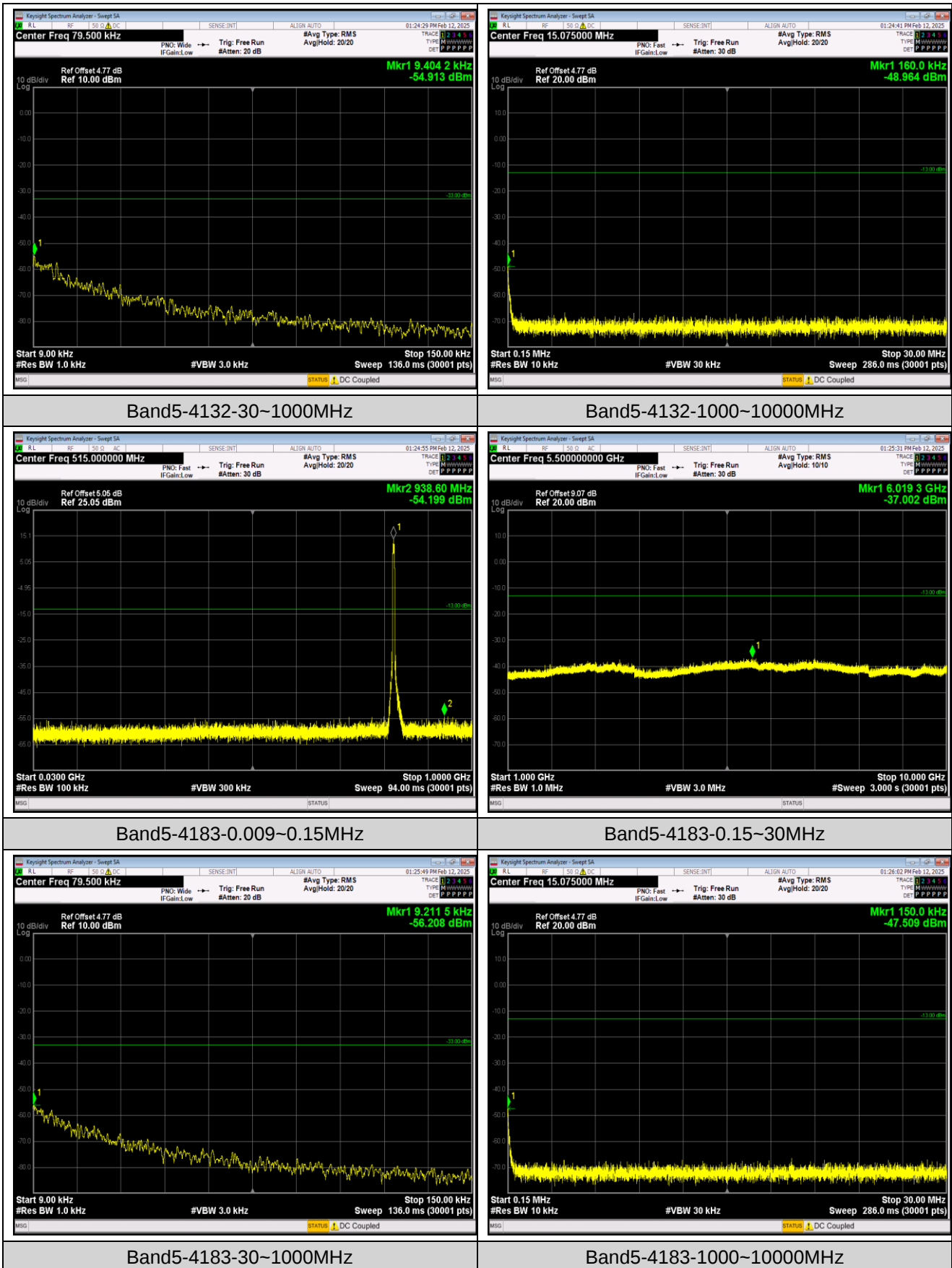
JianYan Testing Group Shenzhen Co., Ltd.

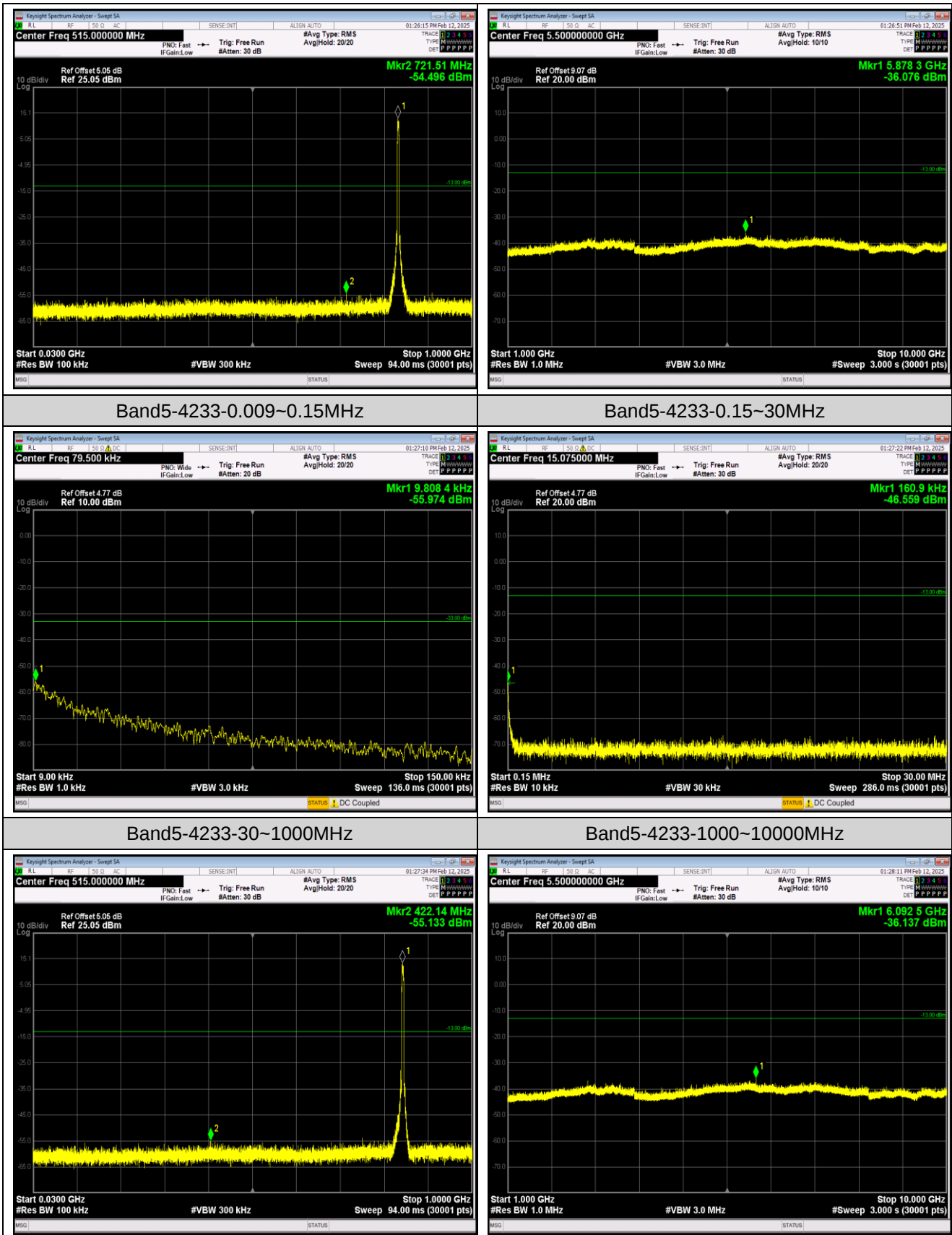
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Appendix F: Frequency Stability

Test Result

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		
3.80	-30	-12.21	-0.014595	±2.5	Pass
	-20	-7.98	-0.009539		
	-10	-10.25	-0.012252		
	0	-12.33	-0.014738		
	10	-11.55	-0.013806		
	20	-9.62	-0.011499		
	30	-13.11	-0.015671		
	40	-9.51	-0.011367		
	50	-11.69	-0.013973		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-9.83	-0.011750	±2.5	Pass
	3.80	-10.37	-0.012395		
	4.35	-9.33	-0.011152		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

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	-11.15	-0.005931	Within authorized band for BAND II	Pass
	-20	-13.60	-0.007234		
	-10	-12.70	-0.006755		
	0	-14.85	-0.007899		
	10	-14.51	-0.007718		
	20	-12.09	-0.006431		
	30	-15.29	-0.008133		
	40	-12.66	-0.006734		
	50	-15.39	-0.008186		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-14.42	-0.007670	Within authorized band for BAND II	Pass
	3.80	-11.92	-0.006340		
	4.35	-13.18	-0.007011		
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
Band5	4183	PASS	PASS

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

Test Graphs

