

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	23.11	23.01	33.01	PASS
Band2	TestMode	9262	23.18	23.08	33.01	PASS
Band2	TestMode	9400	23.54	23.44	33.01	PASS
Band2	Voice	9400	23.50	23.4	33.01	PASS
Band2	TestMode	9538	23.40	23.3	33.01	PASS
Band2	Voice	9538	23.32	23.22	33.01	PASS
Band4	Voice	1312	23.07	20.77	30.00	PASS
Band4	TestMode	1312	23.13	20.83	30.00	PASS
Band4	TestMode	1413	23.31	21.01	30.00	PASS
Band4	Voice	1413	23.12	20.82	30.00	PASS
Band4	Voice	1513	22.95	20.65	30.00	PASS
Band4	TestMode	1513	23.20	20.9	30.00	PASS
Band5	TestMode	4132	24.09	18.14	38.45	PASS
Band5	Voice	4132	23.81	17.86	38.45	PASS
Band5	TestMode	4183	24.15	18.2	38.45	PASS
Band5	Voice	4183	24.07	18.12	38.45	PASS
Band5	Voice	4233	24.00	18.05	38.45	PASS
Band5	TestMode	4233	24.06	18.11	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.24	22.14	33.01	PASS
Band2	9262	2	21.64	21.54	33.01	PASS
Band2	9262	3	21.63	21.53	33.01	PASS
Band2	9262	4	21.61	21.51	33.01	PASS
Band2	9400	1	22.56	22.46	33.01	PASS
Band2	9400	2	22.00	21.9	33.01	PASS
Band2	9400	3	21.98	21.88	33.01	PASS
Band2	9400	4	22.03	21.93	33.01	PASS
Band2	9538	1	22.40	22.3	33.01	PASS
Band2	9538	2	21.82	21.72	33.01	PASS
Band2	9538	3	21.81	21.71	33.01	PASS
Band2	9538	4	21.88	21.78	33.01	PASS

Band4	1312	1	21.90	19.6	30.00	PASS
Band4	1312	2	21.41	19.11	30.00	PASS
Band4	1312	3	21.31	19.01	30.00	PASS
Band4	1312	4	21.35	19.05	30.00	PASS
Band4	1413	1	22.09	19.79	30.00	PASS
Band4	1413	2	21.57	19.27	30.00	PASS
Band4	1413	3	21.50	19.2	30.00	PASS
Band4	1413	4	21.46	19.16	30.00	PASS
Band4	1513	1	21.93	19.63	30.00	PASS
Band4	1513	2	21.40	19.1	30.00	PASS
Band4	1513	3	21.37	19.07	30.00	PASS
Band4	1513	4	21.41	19.11	30.00	PASS
Band5	4132	1	23.05	17.1	38.5	PASS
Band5	4132	2	22.57	16.62	38.5	PASS
Band5	4132	3	22.50	16.55	38.5	PASS
Band5	4132	4	22.49	16.54	38.5	PASS
Band5	4183	1	23.16	17.21	38.5	PASS
Band5	4183	2	22.61	16.66	38.5	PASS
Band5	4183	3	22.62	16.67	38.5	PASS
Band5	4183	4	22.60	16.65	38.5	PASS
Band5	4233	1	23.06	17.11	38.5	PASS
Band5	4233	2	22.58	16.63	38.5	PASS
Band5	4233	3	22.53	16.58	38.5	PASS
Band5	4233	4	22.51	16.56	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.15	20.05	33.01	PASS
Band2	9262	2	20.66	20.56	33.01	PASS
Band2	9262	3	21.18	21.08	33.01	PASS
Band2	9262	4	20.15	20.05	33.01	PASS
Band2	9262	5	22.14	22.04	33.01	PASS
Band2	9400	1	20.49	20.39	33.01	PASS
Band2	9400	2	21.00	20.9	33.01	PASS
Band2	9400	3	21.53	21.43	33.01	PASS
Band2	9400	4	20.56	20.46	33.01	PASS
Band2	9400	5	22.48	22.38	33.01	PASS
Band2	9538	1	20.30	20.2	33.01	PASS
Band2	9538	2	20.84	20.74	33.01	PASS
Band2	9538	3	21.37	21.27	33.01	PASS

Band2	9538	4	20.37	20.27	33.01	PASS
Band2	9538	5	22.32	22.22	33.01	PASS
Band4	1312	1	20.12	17.82	30.00	PASS
Band4	1312	2	20.59	18.29	30.00	PASS
Band4	1312	3	21.11	18.81	30.00	PASS
Band4	1312	4	20.15	17.85	30.00	PASS
Band4	1312	5	22.12	19.82	30.00	PASS
Band4	1413	1	20.30	18	30.00	PASS
Band4	1413	2	20.78	18.48	30.00	PASS
Band4	1413	3	21.30	19	30.00	PASS
Band4	1413	4	20.29	17.99	30.00	PASS
Band4	1413	5	22.30	20	30.00	PASS
Band4	1513	1	20.20	17.9	30.00	PASS
Band4	1513	2	20.67	18.37	30.00	PASS
Band4	1513	3	21.21	18.91	30.00	PASS
Band4	1513	4	20.18	17.88	30.00	PASS
Band4	1513	5	22.21	19.91	30.00	PASS
Band5	4132	1	21.07	15.12	38.5	PASS
Band5	4132	2	21.57	15.62	38.5	PASS
Band5	4132	3	22.07	16.12	38.5	PASS
Band5	4132	4	21.12	15.17	38.5	PASS
Band5	4132	5	23.08	17.13	38.5	PASS
Band5	4183	1	21.18	15.23	38.5	PASS
Band5	4183	2	21.70	15.75	38.5	PASS
Band5	4183	3	22.17	16.22	38.5	PASS
Band5	4183	4	21.19	15.24	38.5	PASS
Band5	4183	5	23.17	17.22	38.5	PASS
Band5	4233	1	21.10	15.15	38.5	PASS
Band5	4233	2	21.60	15.65	38.5	PASS
Band5	4233	3	22.10	16.15	38.5	PASS
Band5	4233	4	21.12	15.17	38.5	PASS
Band5	4233	5	23.10	17.15	38.5	PASS

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

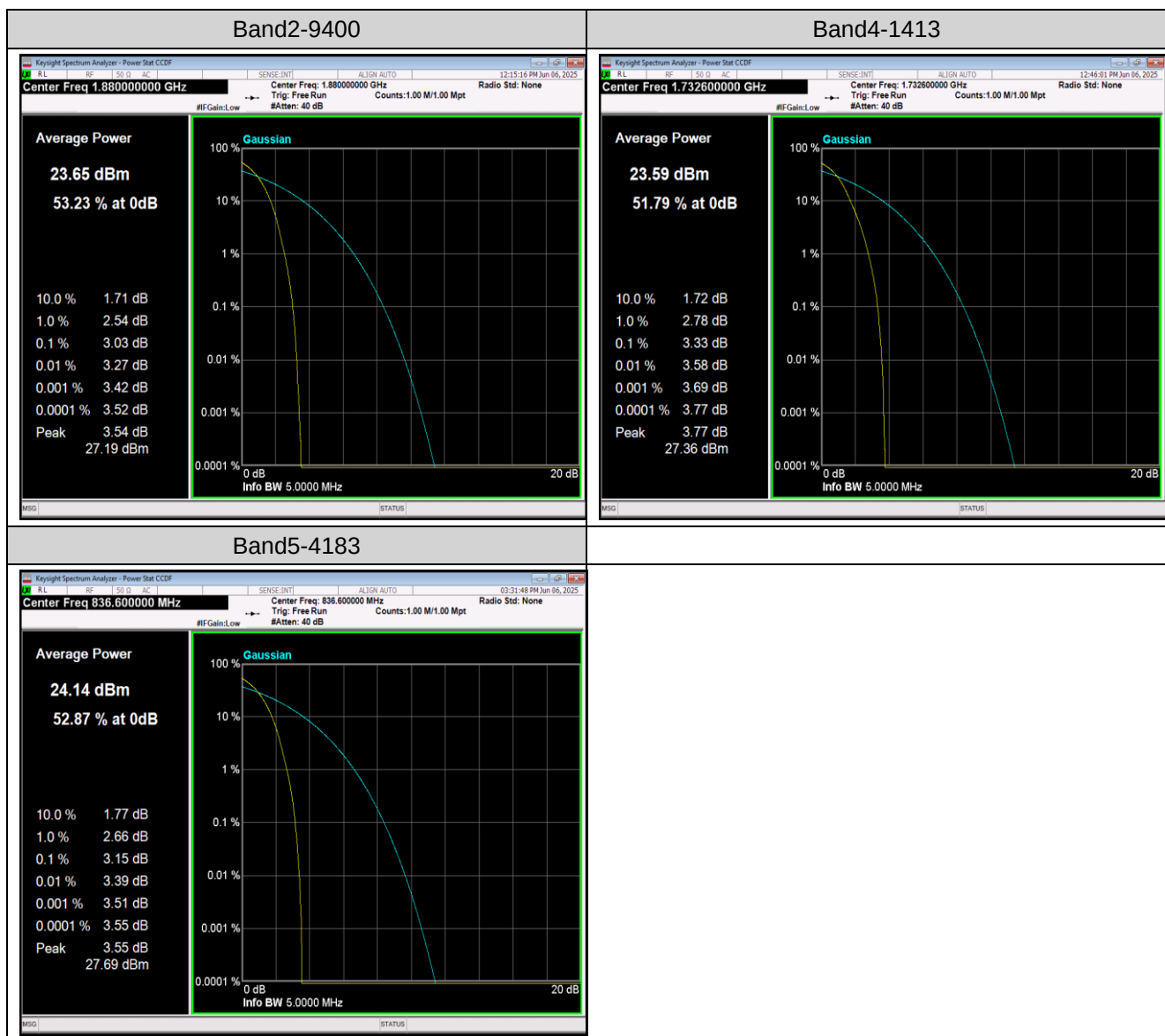
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.03	13	PASS
Band4	1413	3.33	13	PASS
Band5	4183	3.15	13	PASS

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

Test Graphs(WCDMA)



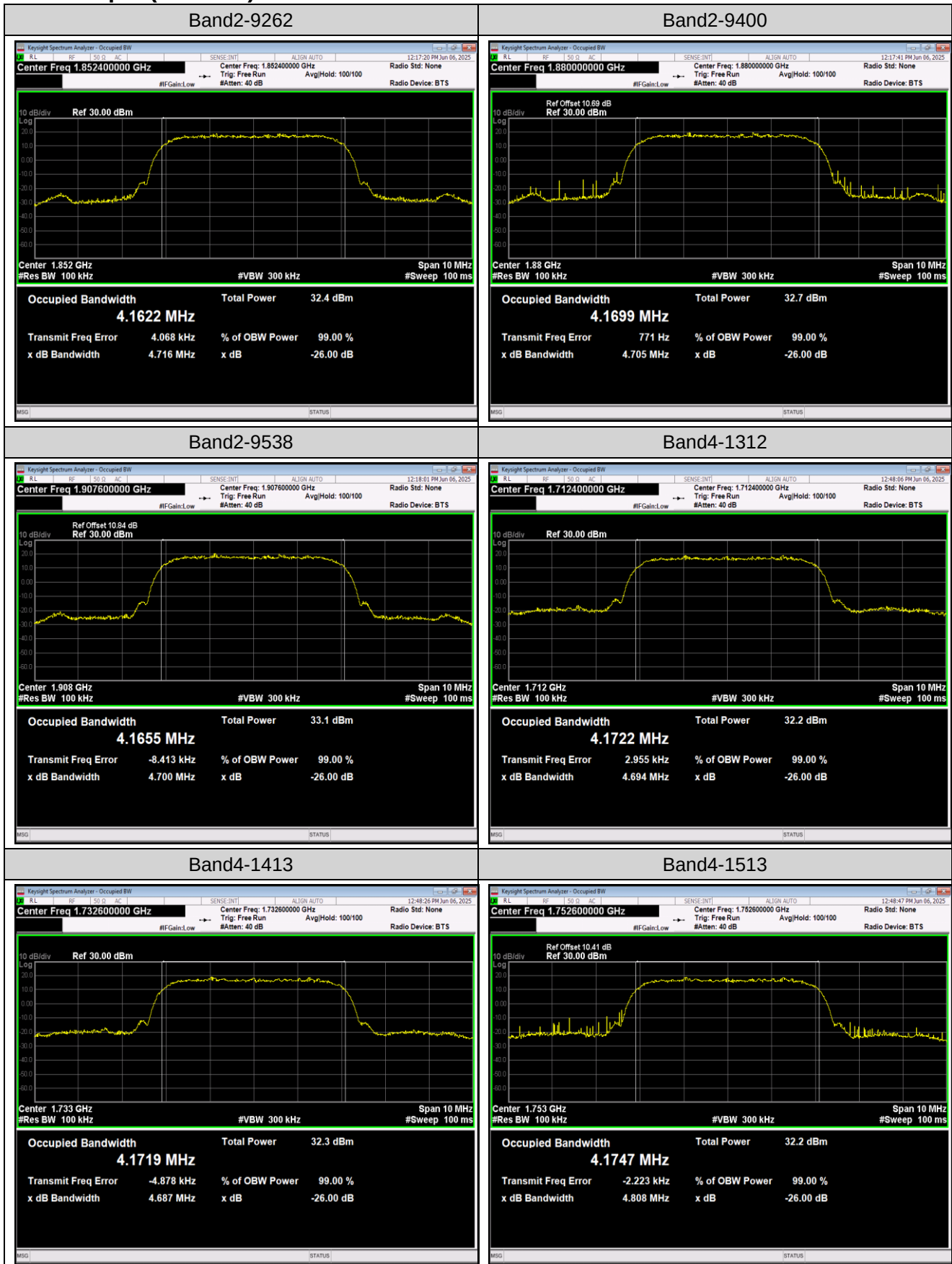
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1622	4.716	---	PASS
Band2	9400	4.1699	4.705	---	PASS
Band2	9538	4.1655	4.700	---	PASS
Band4	1312	4.1722	4.694	---	PASS
Band4	1413	4.1719	4.687	---	PASS
Band4	1513	4.1747	4.808	---	PASS
Band5	4132	4.1588	4.691	---	PASS
Band5	4183	4.1650	4.691	---	PASS
Band5	4233	4.1750	4.691	---	PASS

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

Test Graphs(WCDMA)





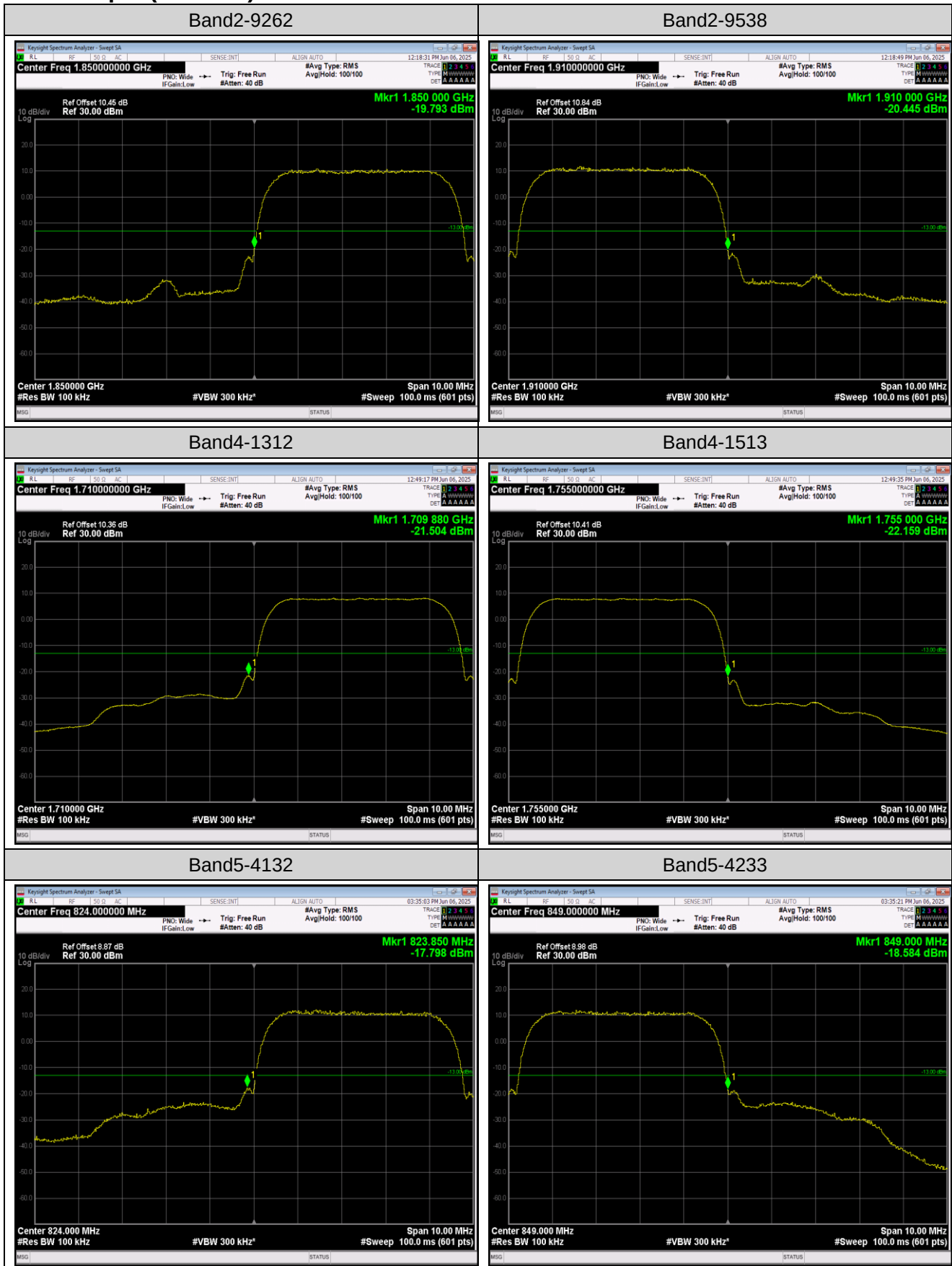
AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.79	-13	PASS
Band2	9538	1910.00	-20.44	-13	PASS
Band4	1312	1709.88	-21.50	-13	PASS
Band4	1513	1755.00	-22.16	-13	PASS
Band5	4132	823.85	-17.80	-13	PASS
Band5	4233	849.00	-18.58	-13	PASS

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

Test Graphs(WCDMA)



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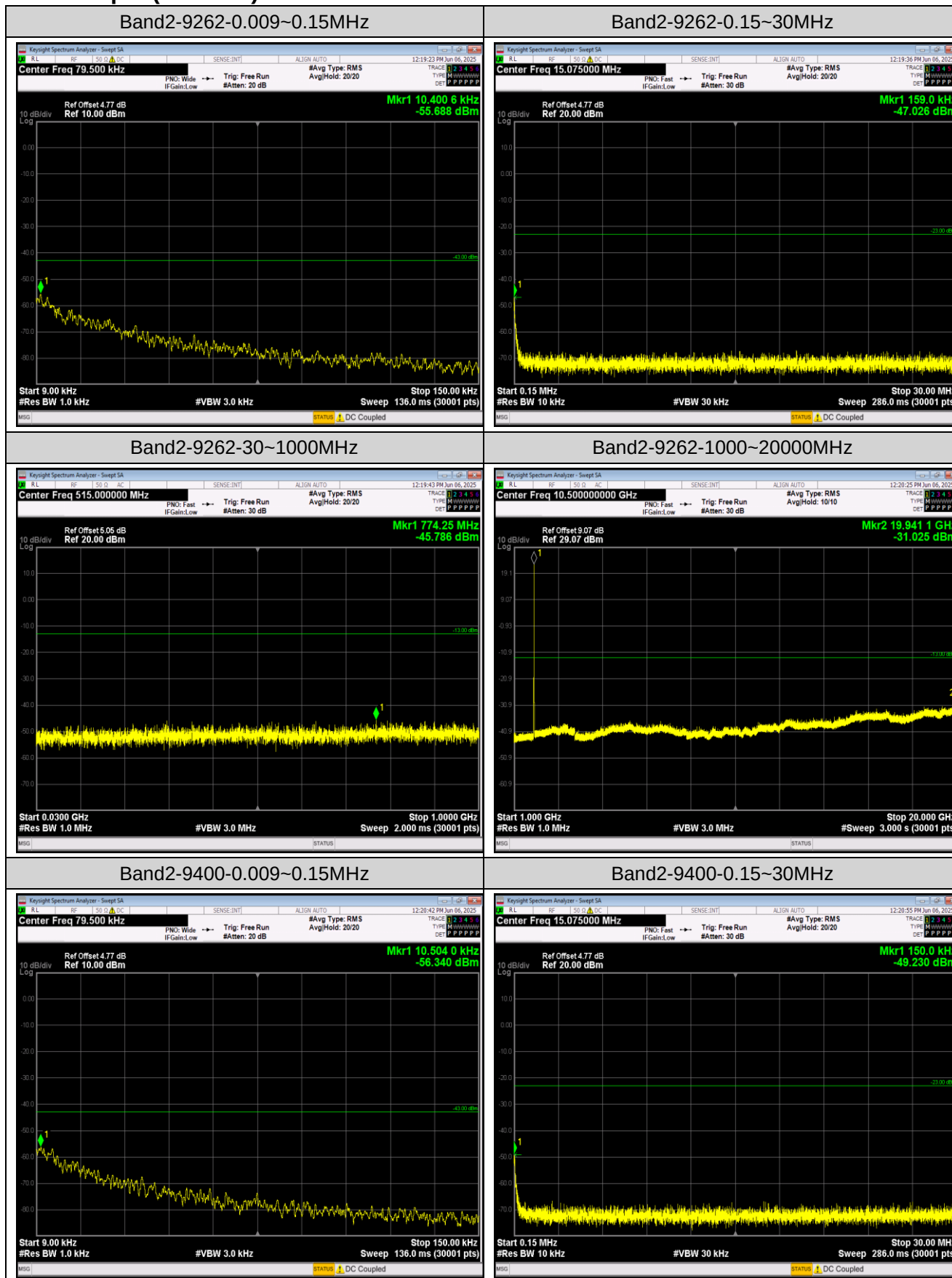
AppendixE:Conducted SpuriousEmission

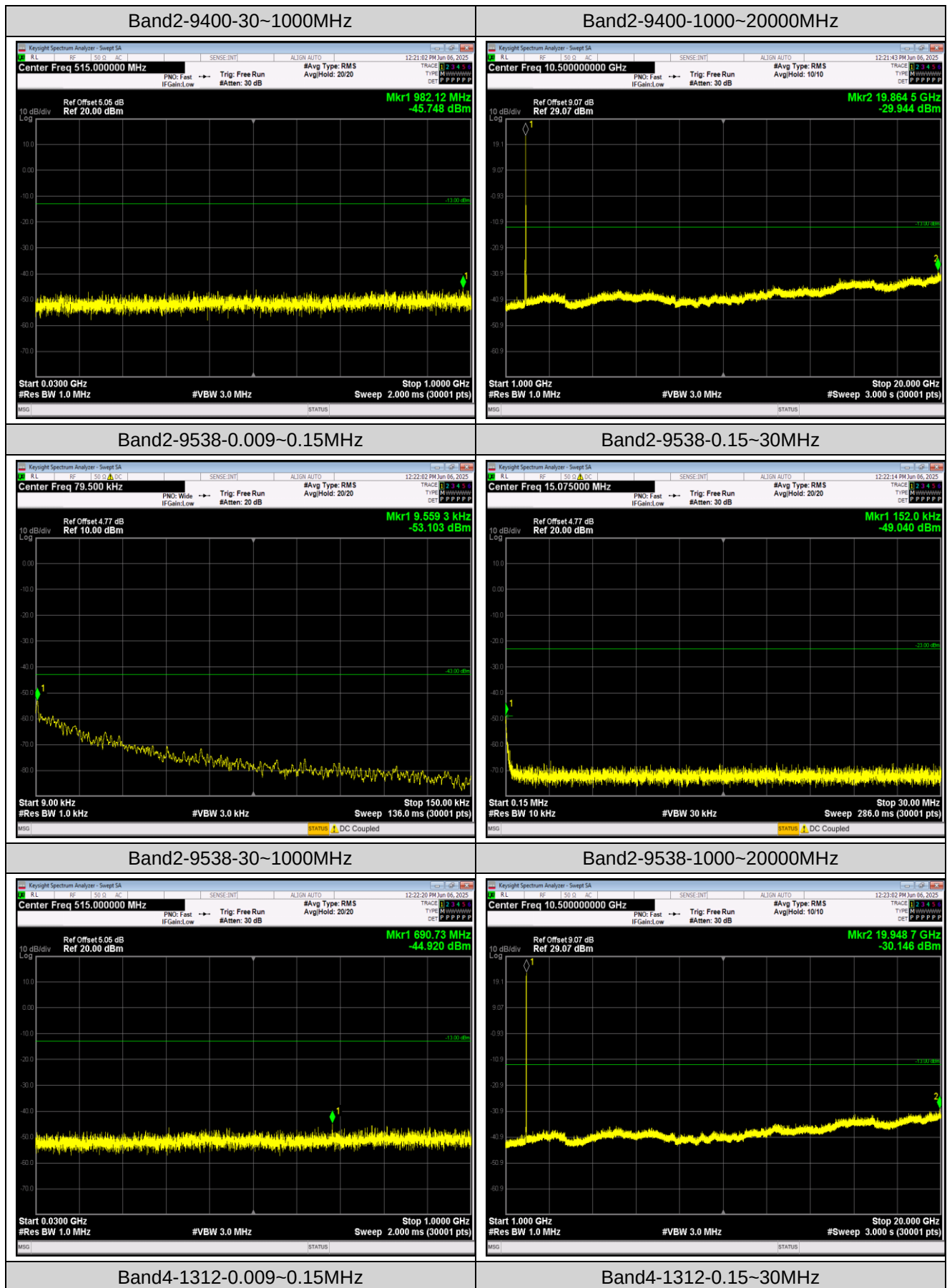
Test Result(WCDMA)

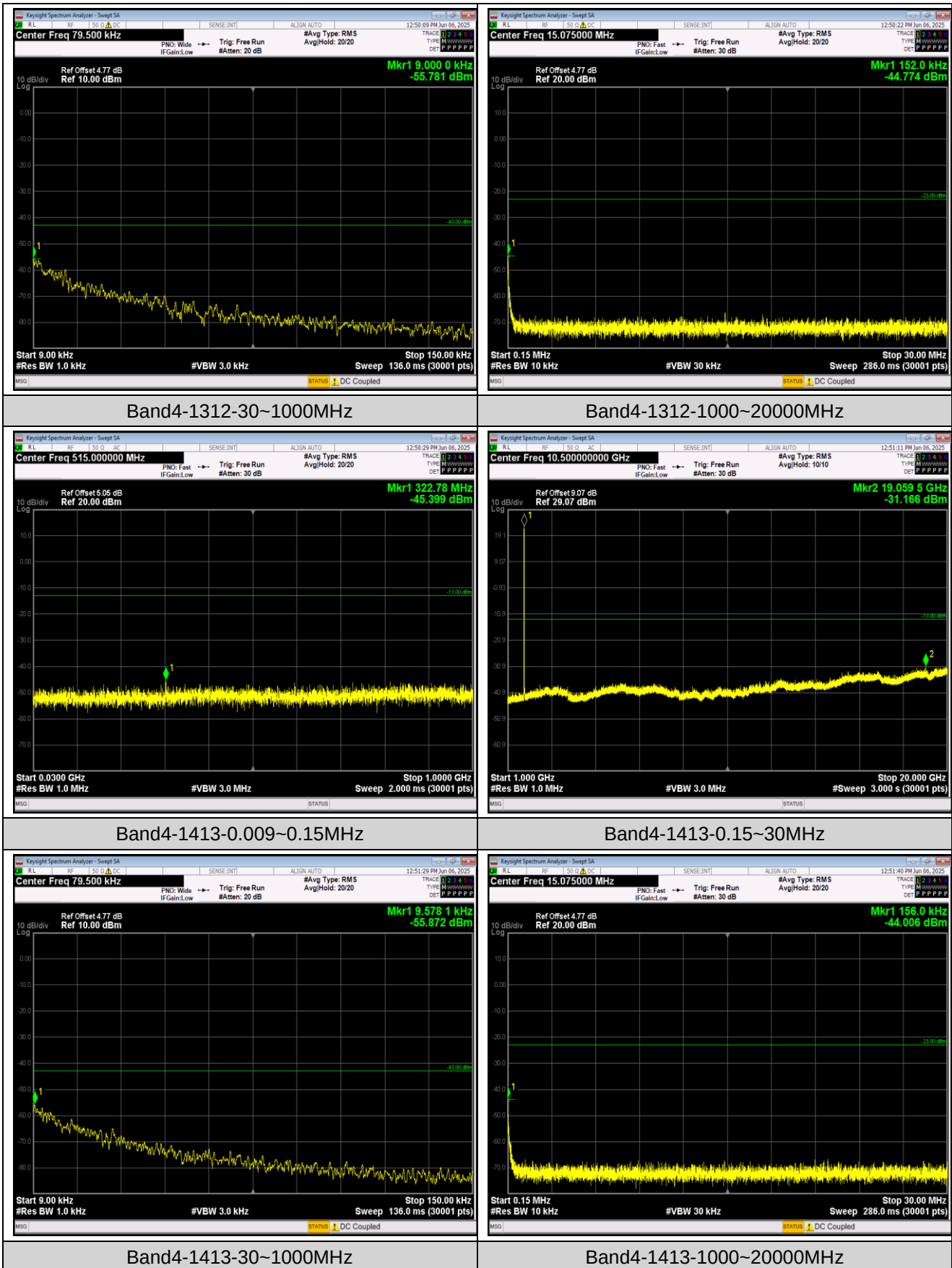
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.69	-43	PASS
Band2	9262	0.15~30MHz	0.16	-47.03	-23	PASS
Band2	9262	30~1000MHz	774.25	-45.79	-13	PASS
Band2	9262	1000~20000MHz	19941.1	-31.03	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.34	-43	PASS
Band2	9400	0.15~30MHz	0.15	-49.23	-23	PASS
Band2	9400	30~1000MHz	982.12	-45.75	-13	PASS
Band2	9400	1000~20000MHz	19864.47	-29.94	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-53.1	-43	PASS
Band2	9538	0.15~30MHz	0.15	-49.04	-23	PASS
Band2	9538	30~1000MHz	690.73	-44.92	-13	PASS
Band2	9538	1000~20000MHz	19948.7	-30.15	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.78	-43	PASS
Band4	1312	0.15~30MHz	0.15	-44.77	-23	PASS
Band4	1312	30~1000MHz	322.78	-45.4	-13	PASS
Band4	1312	1000~20000MHz	19059.5	-31.17	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.87	-43	PASS
Band4	1413	0.15~30MHz	0.16	-44.01	-23	PASS
Band4	1413	30~1000MHz	966.92	-44.77	-13	PASS
Band4	1413	1000~20000MHz	19982.27	-30.49	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.21	-43	PASS
Band4	1513	0.15~30MHz	0.15	-46.86	-23	PASS
Band4	1513	30~1000MHz	517.39	-44.42	-13	PASS
Band4	1513	1000~20000MHz	19856.87	-30.97	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.21	-33	PASS
Band5	4132	0.15~30MHz	0.16	-47.08	-13	PASS
Band5	4132	30~1000MHz	435.72	-54.89	-13	PASS
Band5	4132	1000~10000MHz	7399.6	-36.65	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.19	-33	PASS
Band5	4183	0.15~30MHz	0.15	-44.36	-13	PASS
Band5	4183	30~1000MHz	989.62	-54.1	-13	PASS
Band5	4183	1000~10000MHz	5959	-36.4	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.75	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.58	-13	PASS
Band5	4233	30~1000MHz	437.11	-54.77	-13	PASS
Band5	4233	1000~10000MHz	5824.6	-36.91	-13	PASS

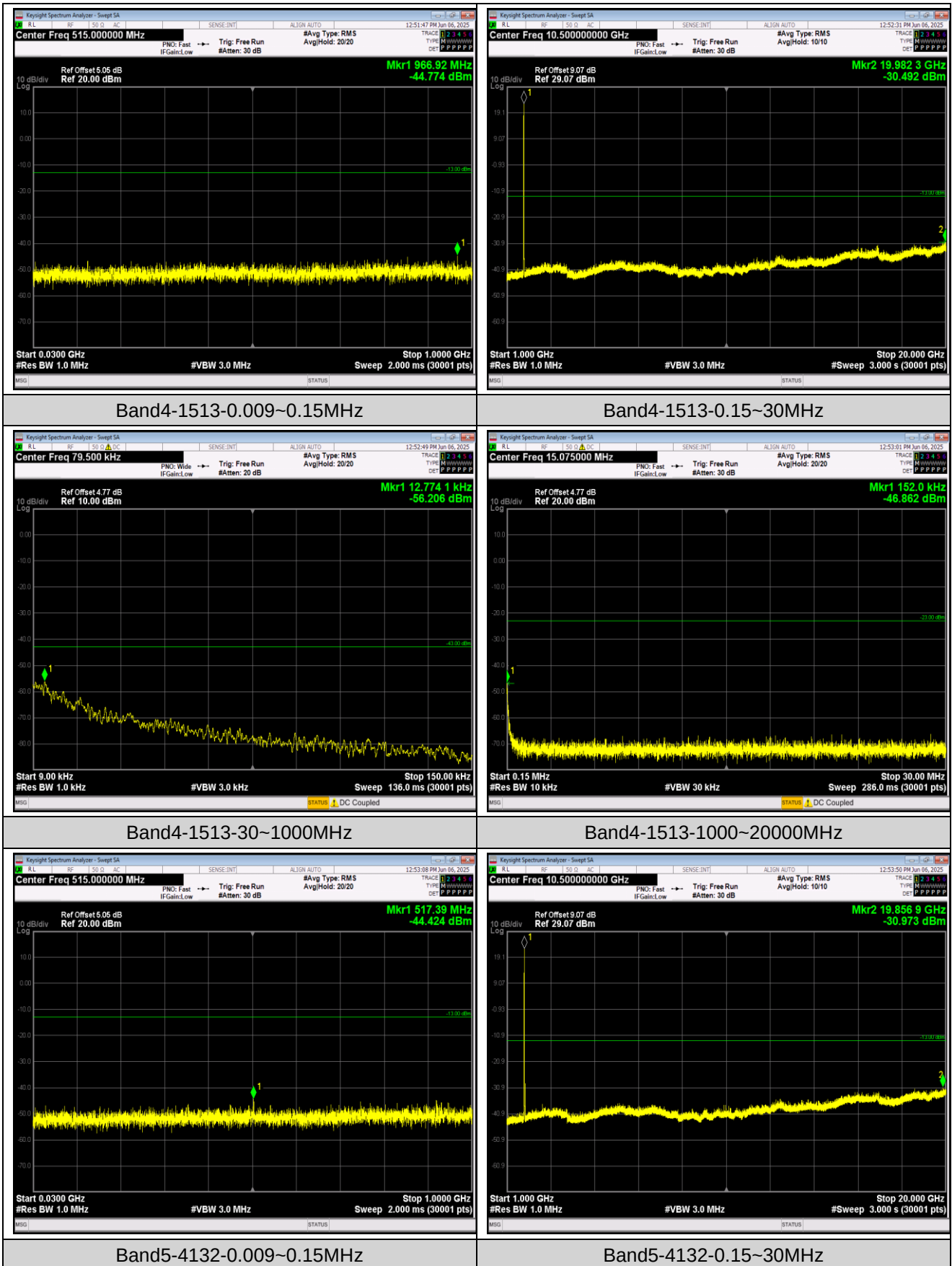
Remark: All channel had been tested, but only the worst case data displayed in this report.

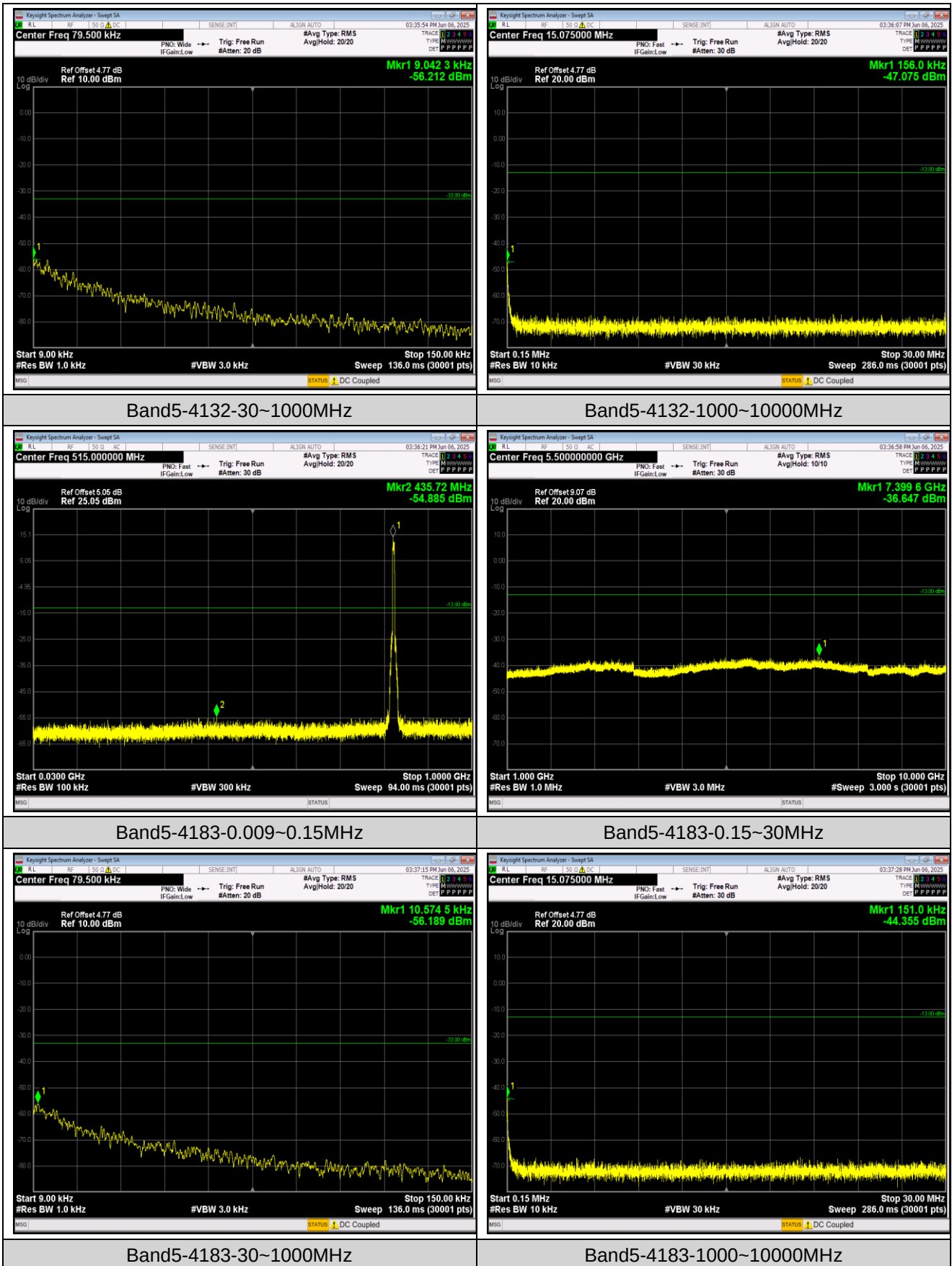
Test Graphs(WCDMA)

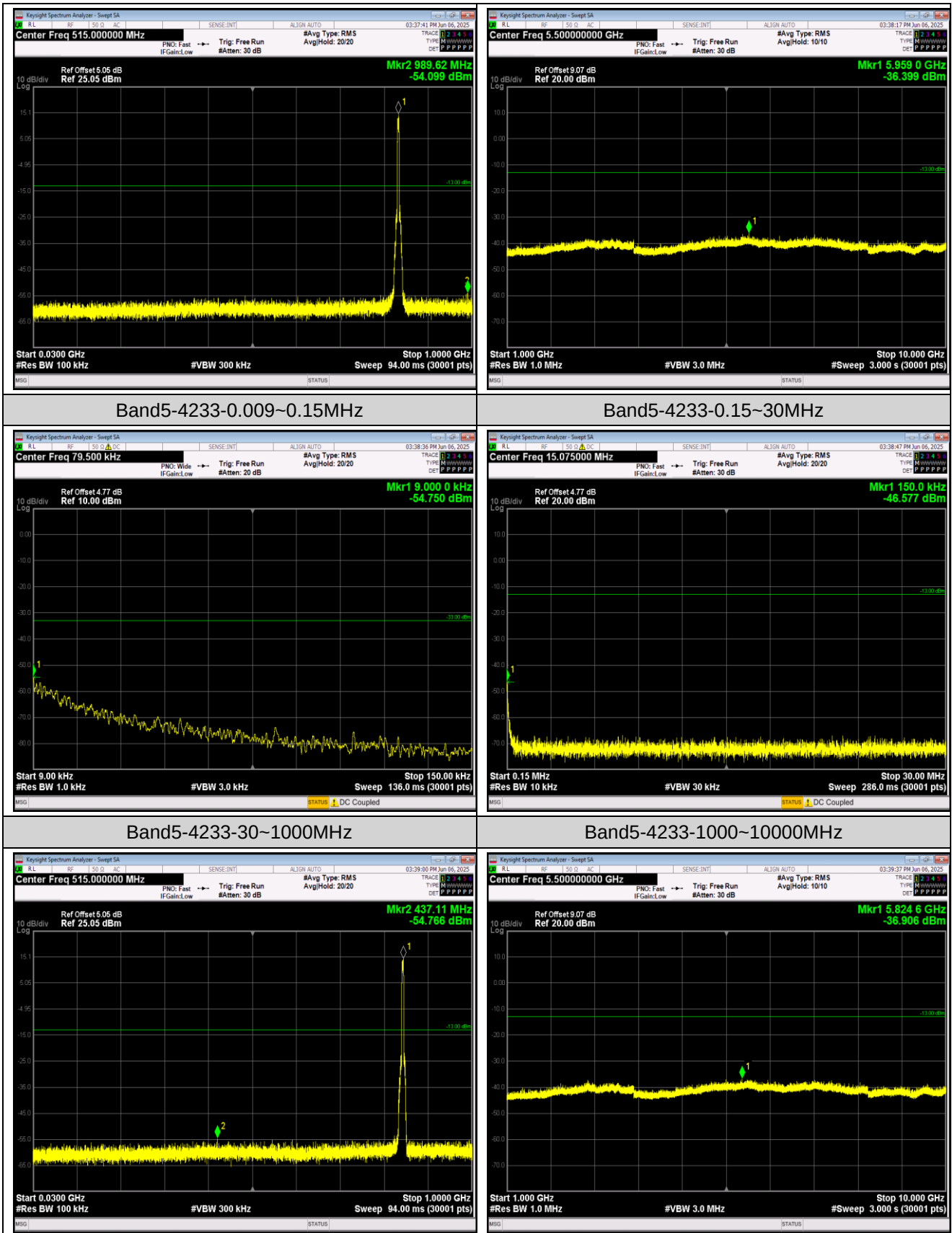












AppendixF:Frequency Stability

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		
3.87	-30	-9.78	-0.011690	±2.5	Pass
	-20	-11.38	-0.013603		
	-10	-12.99	-0.015527		
	0	-11.03	-0.013184		
	10	-6.01	-0.007184		
	20	-8.48	-0.010136		
	30	-11.52	-0.013770		
	40	-10.89	-0.013017		
	50	-13.44	-0.016065		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-12.82	-0.015324	±2.5	Pass
	3.87	-10.22	-0.012216		
	4.45	-12.19	-0.014571		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-13.83	-0.007982	Within authorized band for BAND IV	Pass
	-20	-11.63	-0.006712		
	-10	-6.82	-0.003936		
	0	-12.14	-0.007007		
	10	-15.44	-0.008911		
	20	-13.71	-0.007913		
	30	-13.61	-0.007855		
	40	-14.76	-0.008519		
	50	-13.61	-0.007855		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.33	-0.003653	Within authorized band for BAND IV	Pass
	3.87	-11.84	-0.006834		
	4.45	-16.25	-0.009379		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-5.79	-0.003080	Within authorized band for BAND II	Pass
	-20	-8.93	-0.004750		
	-10	-8.06	-0.004287		
	0	-4.94	-0.002628		
	10	-9.66	-0.005138		
	20	-7.16	-0.003809		
	30	-8.49	-0.004516		
	40	-5.71	-0.003037		
	50	-9.78	-0.005202		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-7.06	-0.003755	Within authorized band for BAND II	Pass
	3.87	-3.80	-0.002021		
	4.45	-6.49	-0.003452		
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

