

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	23.29	21.89	33.01	PASS
Band2	TestMode	9262	23.21	21.81	33.01	PASS
Band2	TestMode	9400	23.34	21.94	33.01	PASS
Band2	Voice	9400	23.31	21.91	33.01	PASS
Band2	TestMode	9538	23.39	21.99	33.01	PASS
Band2	Voice	9538	23.27	21.87	33.01	PASS
Band4	Voice	1312	23.69	21.67	30.00	PASS
Band4	TestMode	1312	23.67	21.65	30.00	PASS
Band4	Voice	1413	23.49	21.47	30.00	PASS
Band4	TestMode	1413	23.64	21.62	30.00	PASS
Band4	TestMode	1513	23.68	21.66	30.00	PASS
Band4	Voice	1513	23.59	21.57	30.00	PASS
Band5	Voice	4132	23.72	16.41	38.45	PASS
Band5	TestMode	4132	23.72	16.41	38.45	PASS
Band5	TestMode	4183	23.81	16.5	38.45	PASS
Band5	Voice	4183	23.73	16.42	38.45	PASS
Band5	Voice	4233	23.62	16.31	38.45	PASS
Band5	TestMode	4233	23.75	16.44	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.31	20.91	33.01	PASS
Band2	9262	2	21.74	20.34	33.01	PASS
Band2	9262	3	21.82	20.42	33.01	PASS
Band2	9262	4	21.75	20.35	33.01	PASS
Band2	9400	1	22.35	20.95	33.01	PASS
Band2	9400	2	21.81	20.41	33.01	PASS
Band2	9400	3	21.82	20.42	33.01	PASS
Band2	9400	4	21.84	20.44	33.01	PASS
Band2	9538	1	22.39	20.99	33.01	PASS
Band2	9538	2	21.86	20.46	33.01	PASS
Band2	9538	3	21.85	20.45	33.01	PASS
Band2	9538	4	21.84	20.44	33.01	PASS

Band4	1312	1	23.69	21.67	30.00	PASS
Band4	1312	2	23.19	21.17	30.00	PASS
Band4	1312	3	23.18	21.16	30.00	PASS
Band4	1312	4	23.16	21.14	30.00	PASS
Band4	1413	1	23.69	21.67	30.00	PASS
Band4	1413	2	23.17	21.15	30.00	PASS
Band4	1413	3	23.18	21.16	30.00	PASS
Band4	1413	4	23.16	21.14	30.00	PASS
Band4	1513	1	23.68	21.66	30.00	PASS
Band4	1513	2	23.18	21.16	30.00	PASS
Band4	1513	3	23.16	21.14	30.00	PASS
Band4	1513	4	23.13	21.11	30.00	PASS
Band5	4132	1	22.77	15.46	38.5	PASS
Band5	4132	2	22.23	14.92	38.5	PASS
Band5	4132	3	22.27	14.96	38.5	PASS
Band5	4132	4	22.23	14.92	38.5	PASS
Band5	4183	1	22.83	15.52	38.5	PASS
Band5	4183	2	22.28	14.97	38.5	PASS
Band5	4183	3	22.29	14.98	38.5	PASS
Band5	4183	4	22.27	14.96	38.5	PASS
Band5	4233	1	22.78	15.47	38.5	PASS
Band5	4233	2	22.28	14.97	38.5	PASS
Band5	4233	3	22.27	14.96	38.5	PASS
Band5	4233	4	22.24	14.93	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.29	19.89	33.01	PASS
Band2	9262	2	21.77	20.37	33.01	PASS
Band2	9262	3	22.29	20.89	33.01	PASS
Band2	9262	4	21.29	19.89	33.01	PASS
Band2	9262	5	23.31	21.91	33.01	PASS
Band2	9400	1	21.35	19.95	33.01	PASS
Band2	9400	2	21.83	20.43	33.01	PASS
Band2	9400	3	22.32	20.92	33.01	PASS
Band2	9400	4	21.36	19.96	33.01	PASS
Band2	9400	5	23.36	21.96	33.01	PASS
Band2	9538	1	21.37	19.97	33.01	PASS
Band2	9538	2	21.87	20.47	33.01	PASS
Band2	9538	3	22.34	20.94	33.01	PASS

Band2	9538	4	21.37	19.97	33.01	PASS
Band2	9538	5	23.40	22	33.01	PASS
Band4	1312	1	21.70	19.68	30.00	PASS
Band4	1312	2	22.20	20.18	30.00	PASS
Band4	1312	3	22.70	20.68	30.00	PASS
Band4	1312	4	21.70	19.68	30.00	PASS
Band4	1312	5	23.70	21.68	30.00	PASS
Band4	1413	1	21.70	19.68	30.00	PASS
Band4	1413	2	22.17	20.15	30.00	PASS
Band4	1413	3	22.66	20.64	30.00	PASS
Band4	1413	4	21.70	19.68	30.00	PASS
Band4	1413	5	23.71	21.69	30.00	PASS
Band4	1513	1	21.68	19.66	30.00	PASS
Band4	1513	2	22.15	20.13	30.00	PASS
Band4	1513	3	22.70	20.68	30.00	PASS
Band4	1513	4	21.71	19.69	30.00	PASS
Band4	1513	5	23.69	21.67	30.00	PASS
Band5	4132	1	21.78	14.47	38.5	PASS
Band5	4132	2	22.22	14.91	38.5	PASS
Band5	4132	3	22.73	15.42	38.5	PASS
Band5	4132	4	21.79	14.48	38.5	PASS
Band5	4132	5	23.80	16.49	38.5	PASS
Band5	4183	1	21.84	14.53	38.5	PASS
Band5	4183	2	22.26	14.95	38.5	PASS
Band5	4183	3	22.76	15.45	38.5	PASS
Band5	4183	4	21.85	14.54	38.5	PASS
Band5	4183	5	23.85	16.54	38.5	PASS
Band5	4233	1	21.81	14.5	38.5	PASS
Band5	4233	2	22.20	14.89	38.5	PASS
Band5	4233	3	22.71	15.4	38.5	PASS
Band5	4233	4	21.80	14.49	38.5	PASS
Band5	4233	5	23.81	16.5	38.5	PASS

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

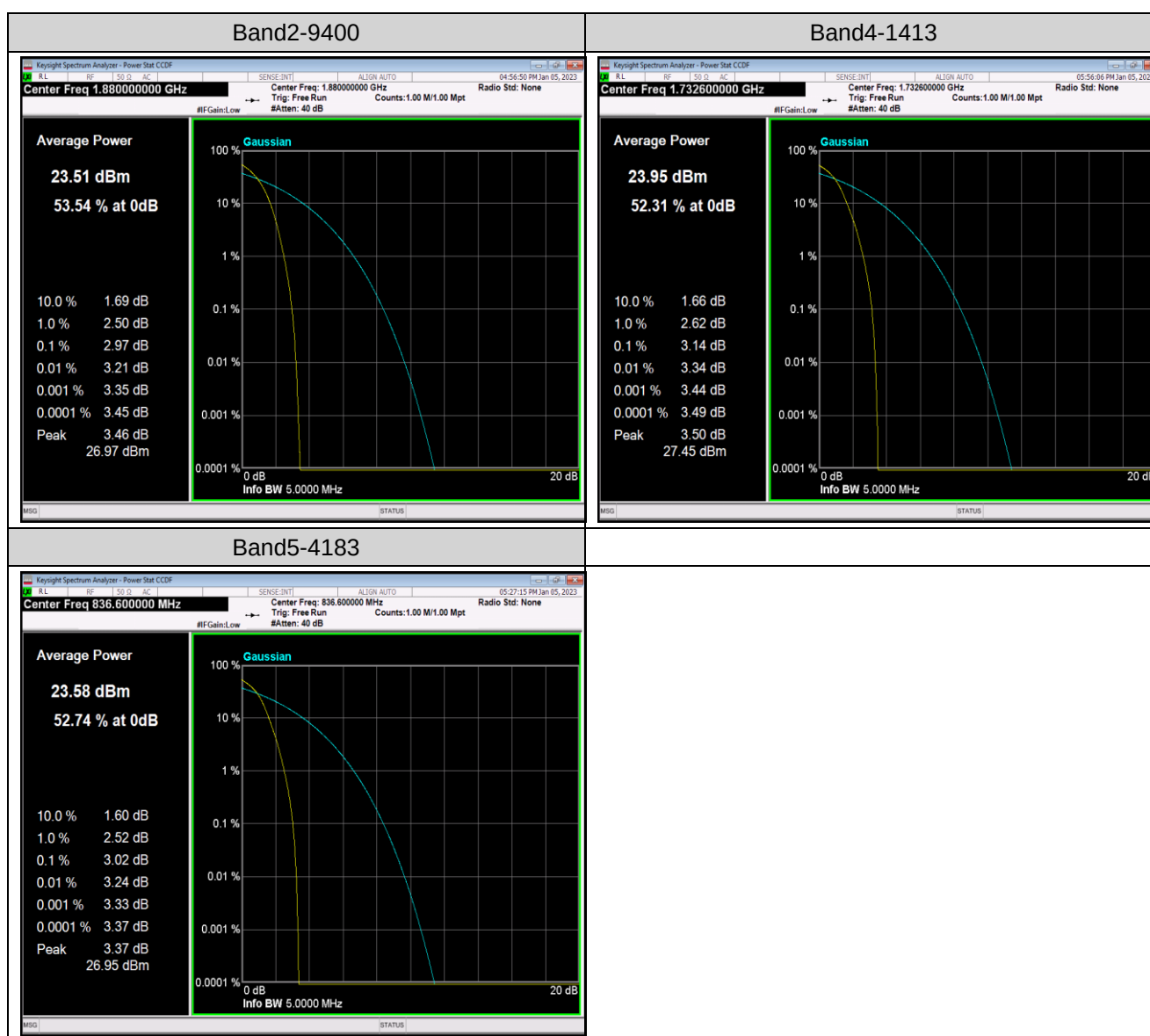
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.97	13	PASS
Band4	1413	3.14	13	PASS
Band5	4183	3.02	13	PASS

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

Test Graphs(WCDMA)

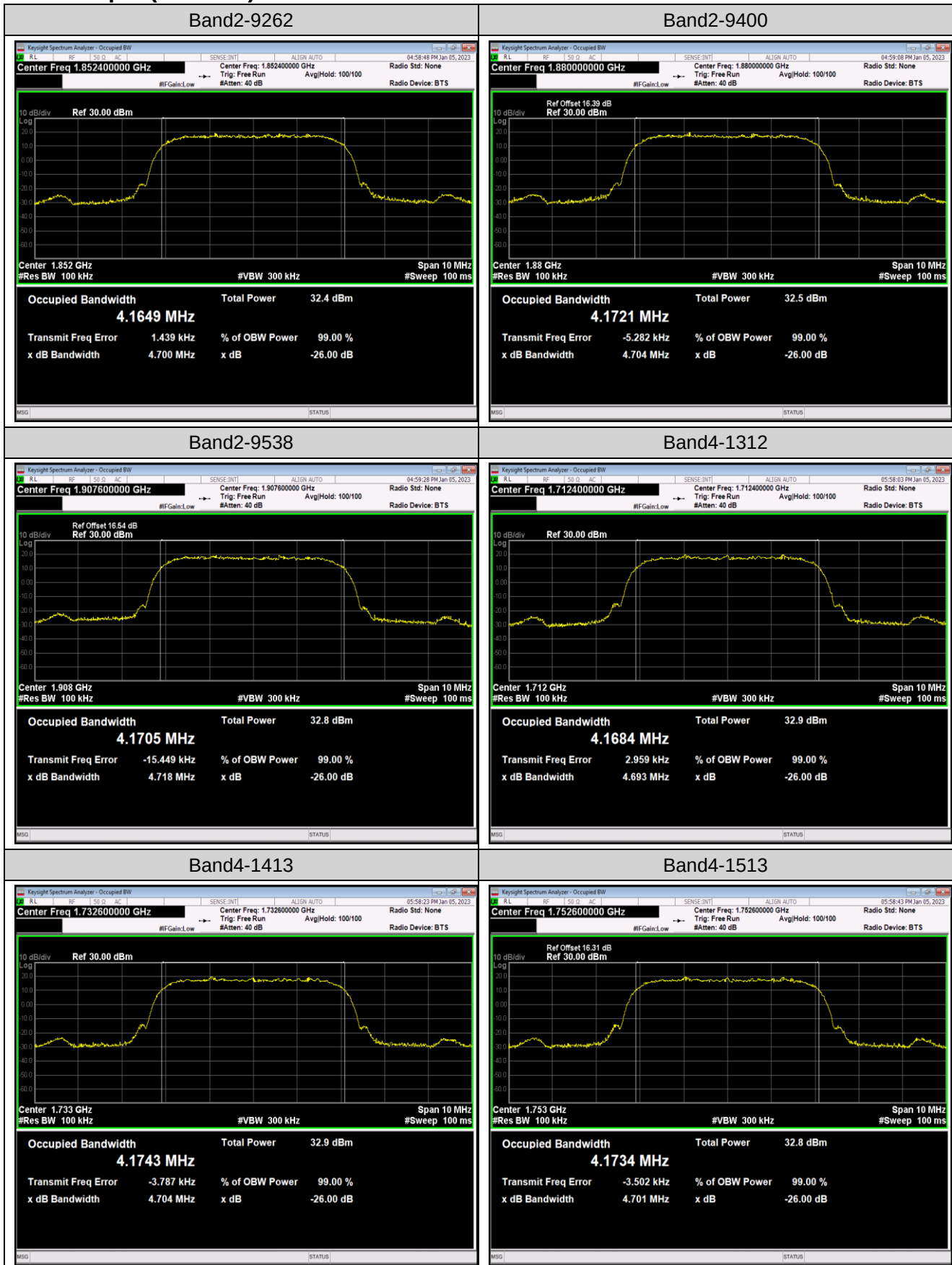


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1649	4.700	---	PASS
Band2	9400	4.1721	4.704	---	PASS
Band2	9538	4.1705	4.718	---	PASS
Band4	1312	4.1684	4.693	---	PASS
Band4	1413	4.1743	4.704	---	PASS
Band4	1513	4.1734	4.701	---	PASS
Band5	4132	4.1632	4.709	---	PASS
Band5	4183	4.1763	4.718	---	PASS
Band5	4233	4.1712	4.699	---	PASS

Test Graphs(WCDMA)



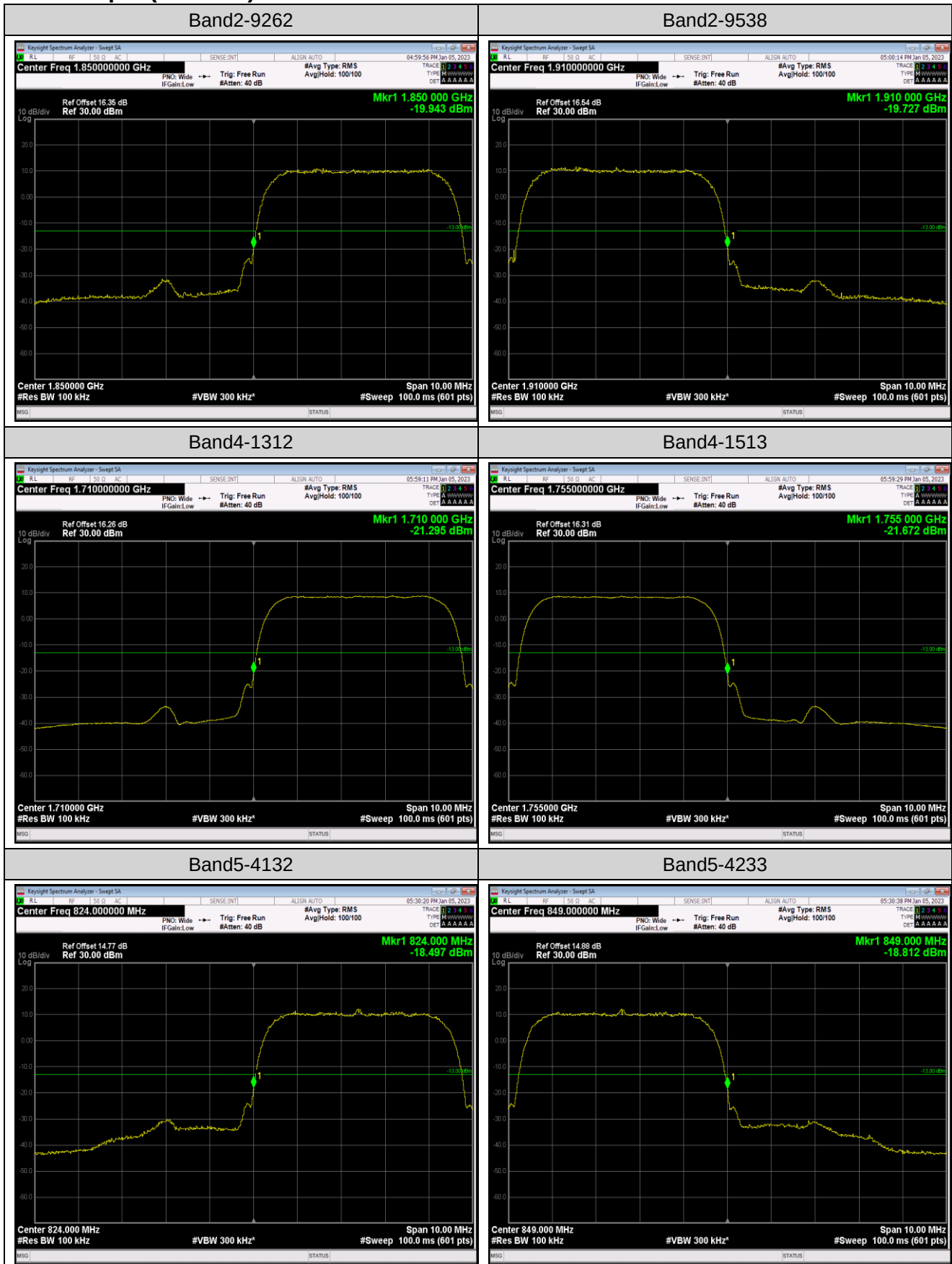


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.94	-13	PASS
Band2	9538	1910.00	-19.73	-13	PASS
Band4	1312	1710.00	-21.30	-13	PASS
Band4	1513	1755.00	-21.67	-13	PASS
Band5	4132	824.00	-18.50	-13	PASS
Band5	4233	849.00	-18.81	-13	PASS

Test Graphs(WCDMA)



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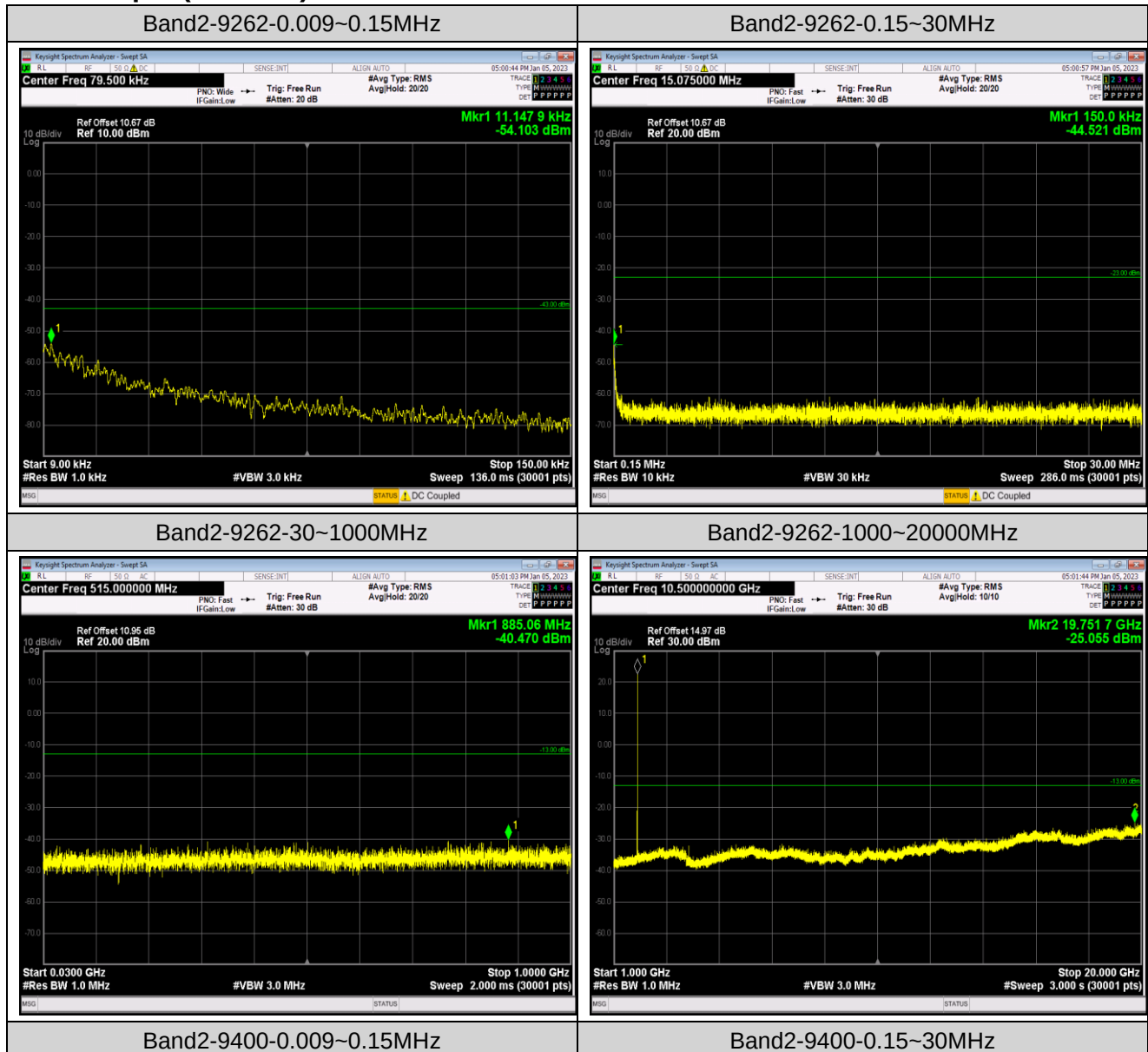
AppendixE:Conducted SpuriousEmission

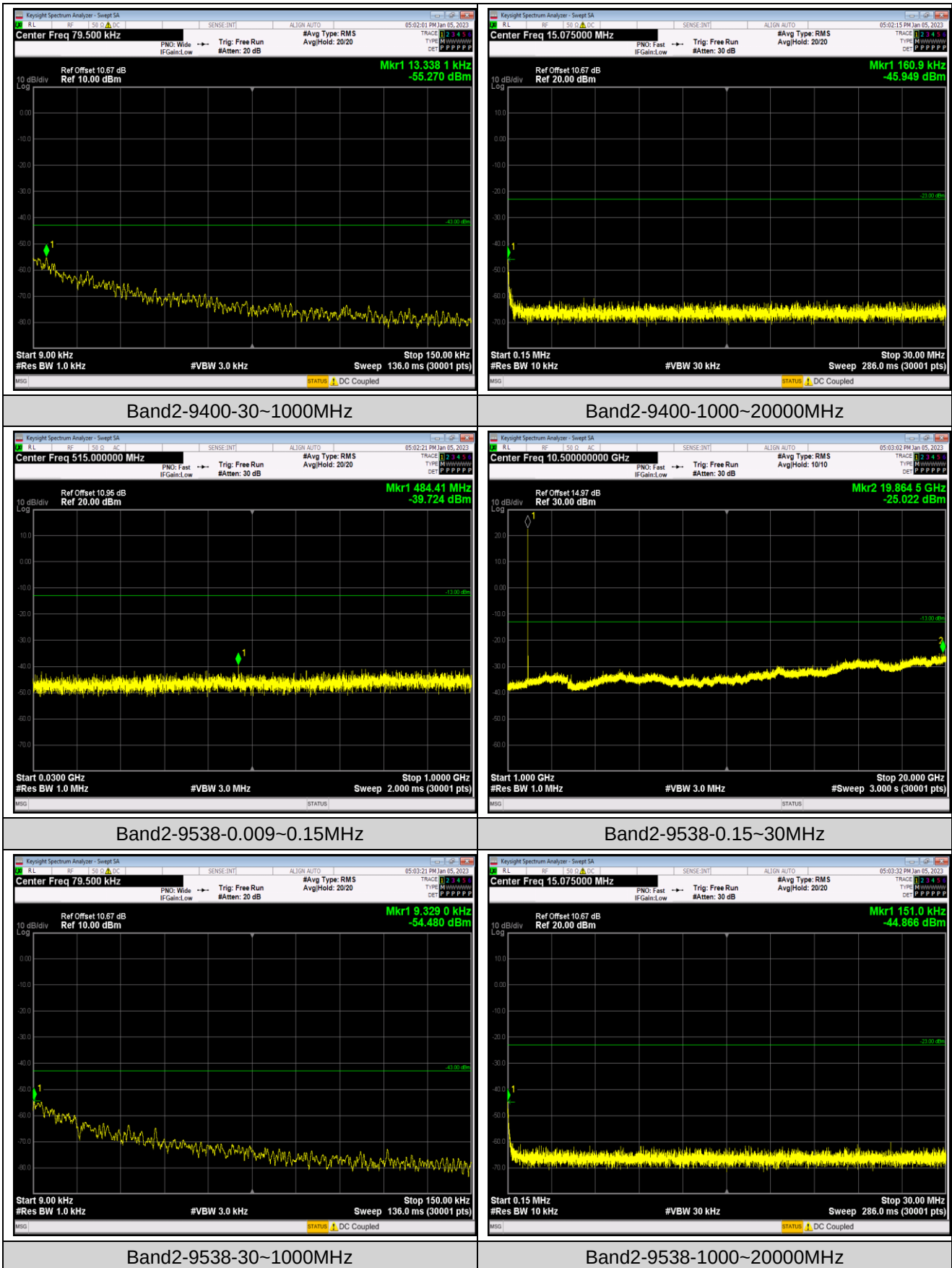
Test Result(WCDMA)

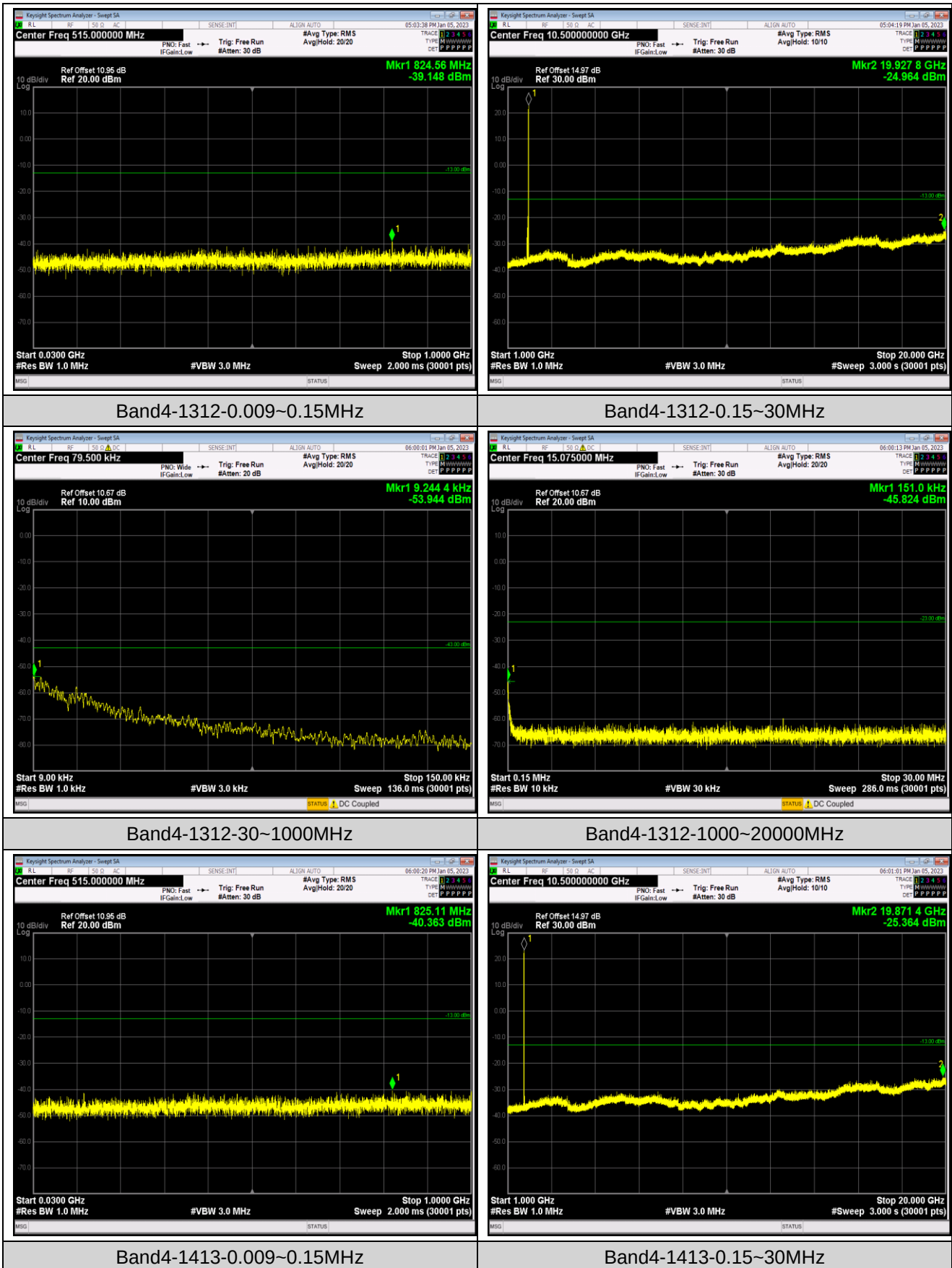
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.1	-43	PASS
Band2	9262	0.15~30MHz	0.15	-44.52	-23	PASS
Band2	9262	30~1000MHz	885.06	-40.47	-13	PASS
Band2	9262	1000~20000MHz	19751.73	-25.06	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.27	-43	PASS
Band2	9400	0.15~30MHz	0.16	-45.95	-23	PASS
Band2	9400	30~1000MHz	484.41	-39.72	-13	PASS
Band2	9400	1000~20000MHz	19864.47	-25.02	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.48	-43	PASS
Band2	9538	0.15~30MHz	0.15	-44.87	-23	PASS
Band2	9538	30~1000MHz	824.56	-39.15	-13	PASS
Band2	9538	1000~20000MHz	19927.8	-24.96	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-53.94	-43	PASS
Band4	1312	0.15~30MHz	0.15	-45.82	-23	PASS
Band4	1312	30~1000MHz	825.11	-40.36	-13	PASS
Band4	1312	1000~20000MHz	19871.43	-25.36	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.82	-43	PASS
Band4	1413	0.15~30MHz	0.15	-46.18	-23	PASS
Band4	1413	30~1000MHz	858.25	-40.25	-13	PASS
Band4	1413	1000~20000MHz	19935.4	-24.87	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-53.83	-43	PASS
Band4	1513	0.15~30MHz	0.15	-46.45	-23	PASS
Band4	1513	30~1000MHz	834.68	-40.18	-13	PASS
Band4	1513	1000~20000MHz	19837.87	-25.14	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-52.94	-33	PASS
Band5	4132	0.15~30MHz	0.15	-44	-13	PASS
Band5	4132	30~1000MHz	993.44	-49.18	-13	PASS
Band5	4132	1000~10000MHz	5970.4	-30.61	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-53.34	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.85	-13	PASS
Band5	4183	30~1000MHz	950.66	-49.97	-13	PASS
Band5	4183	1000~10000MHz	3269.5	-31.46	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-52.8	-33	PASS
Band5	4233	0.15~30MHz	0.15	-44.56	-13	PASS
Band5	4233	30~1000MHz	960.23	-49.37	-13	PASS

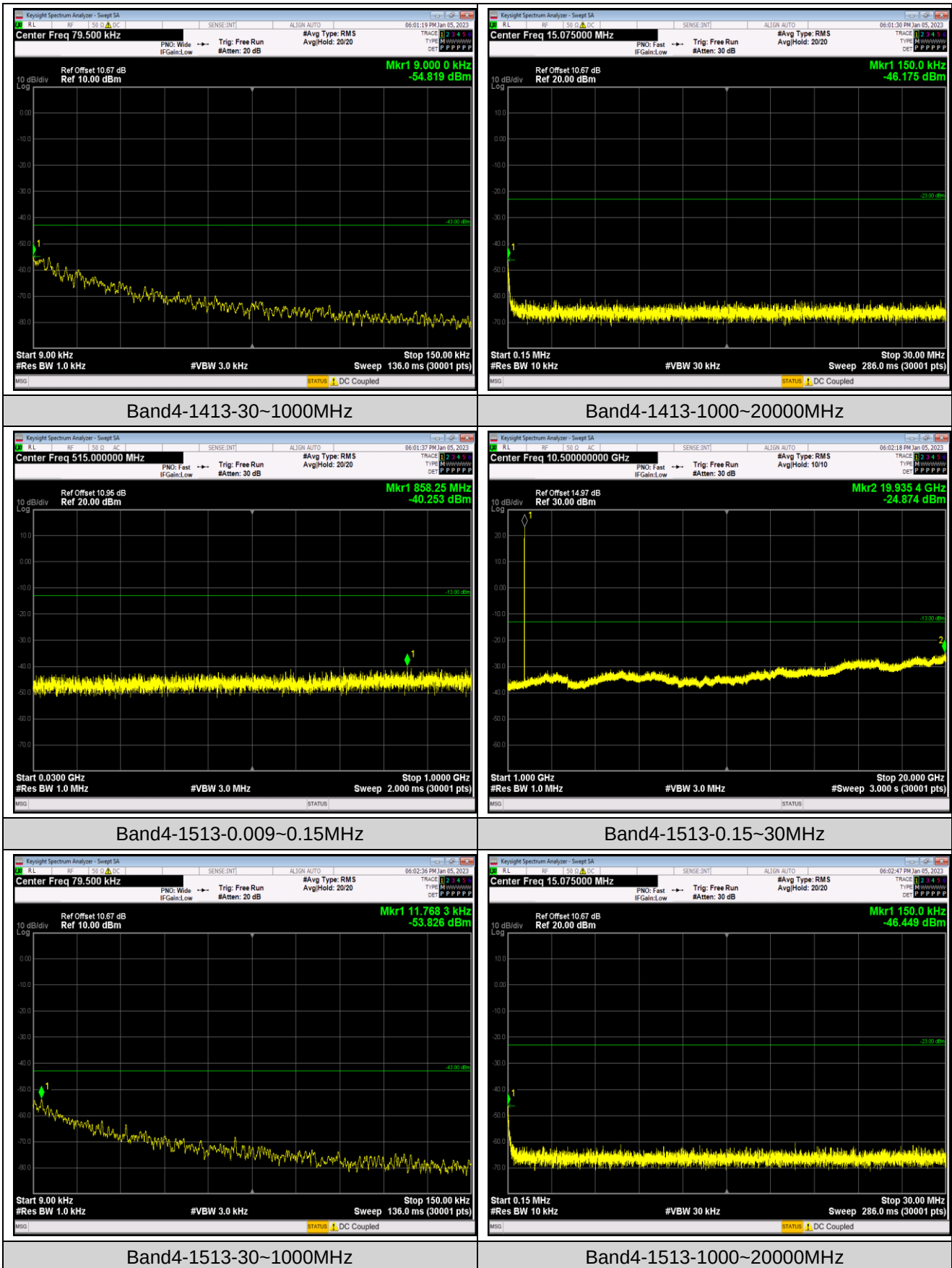
Band5	4233	1000~10000MHz	6067.3	-31.1	-13	PASS
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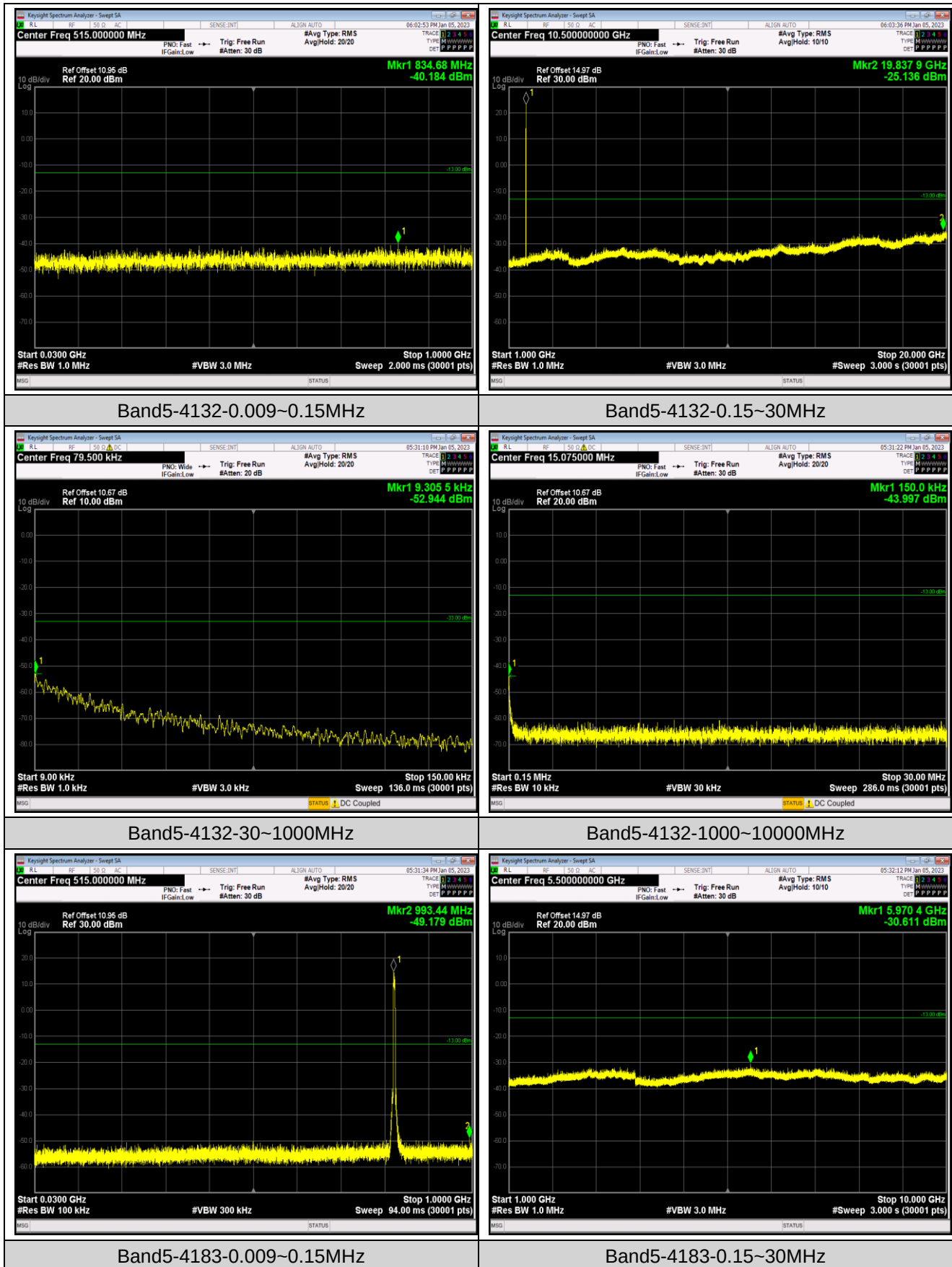
Test Graphs(WCDMA)

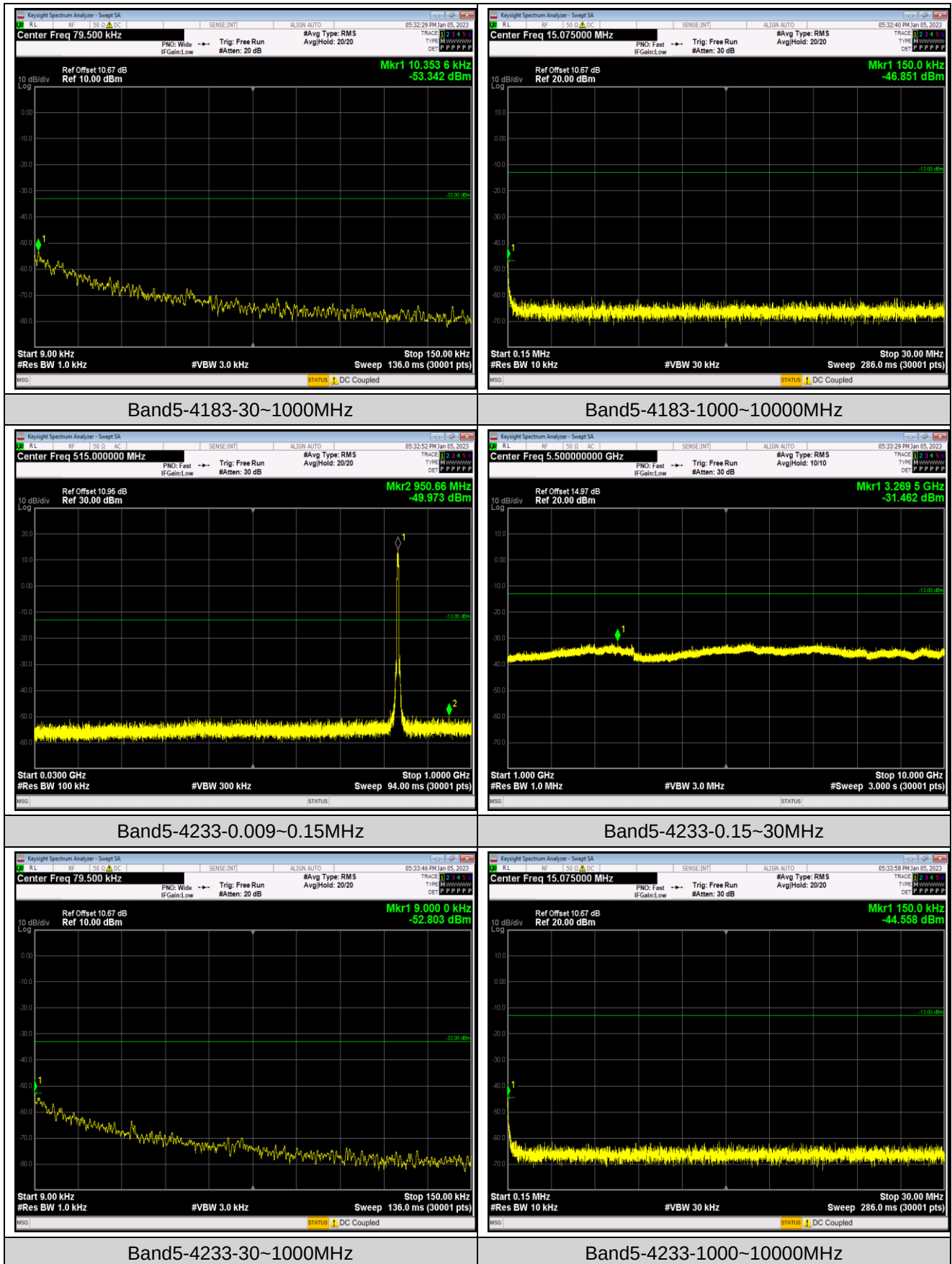


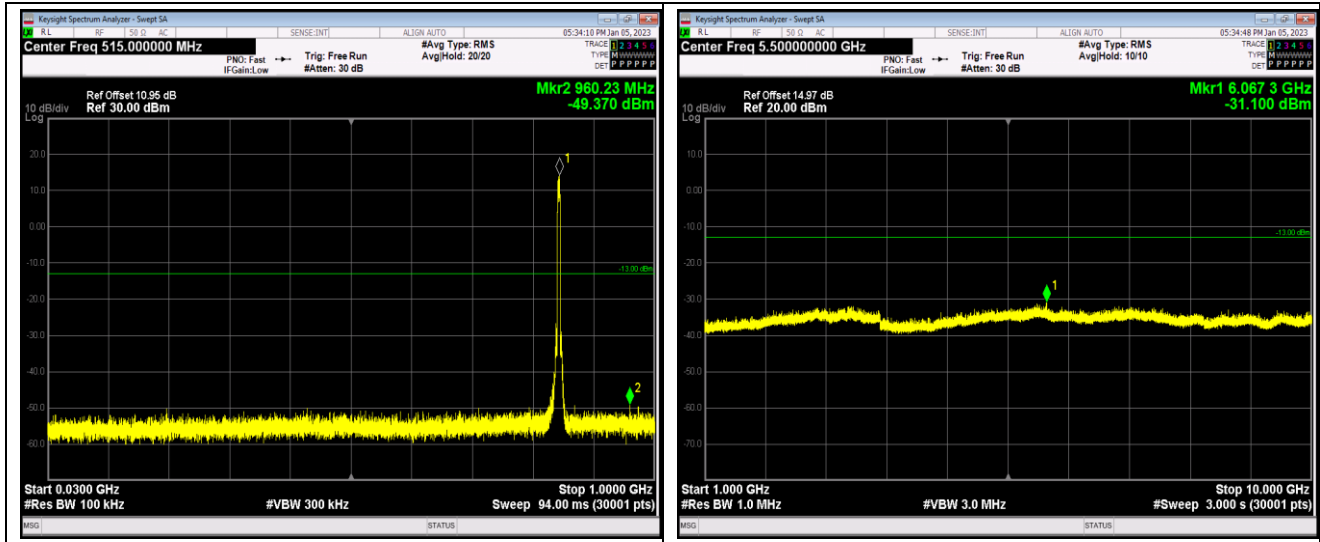












AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-8.00	-0.009563	±2.5	Pass
	-20	-12.76	-0.015252		
	-10	-9.76	-0.011666		
	0	-9.00	-0.010758		
	10	-6.68	-0.007985		
	20	-10.75	-0.012850		
	30	-12.26	-0.014655		
	40	-14.02	-0.016758		
	50	-9.72	-0.011618		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-11.69	-0.013973	±2.5	Pass
	3.87	-12.84	-0.015348		
	4.45	-13.15	-0.015718		
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	-12.25	-0.006516	Within authorized band for BAND IV	Pass
	-20	-13.62	-0.007861		
	-10	-12.45	-0.007186		
	0	-11.11	-0.006412		
	10	-11.01	-0.006355		
	20	-15.06	-0.008692		
	30	-15.08	-0.008704		
	40	-14.58	-0.008415		
	50	-10.78	-0.006222		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-11.74	-0.006776	Within authorized band for BAND IV	Pass
	3.87	-13.67	-0.007890		
	4.45	-14.53	-0.008386		
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		
3.87	-30	-9.77	-0.005197	Within authorized band for BAND II	Pass
	-20	-12.62	-0.006713		
	-10	-13.50	-0.007181		
	0	-11.64	-0.006191		
	10	-13.50	-0.007181		
	20	-14.71	-0.007824		
	30	-10.34	-0.005500		
	40	-12.97	-0.006899		
	50	-12.55	-0.007464		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-13.85	-0.007367	Within authorized band for BAND II	Pass
	3.87	-12.39	-0.006590		
	4.45	-14.83	-0.007888		
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

