

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	24.21	26.21	33.01	PASS
Band2	TestMode	9262	24.32	26.32	33.01	PASS
Band2	TestMode	9400	24.59	26.59	33.01	PASS
Band2	Voice	9400	24.50	26.5	33.01	PASS
Band2	TestMode	9538	24.71	26.71	33.01	PASS
Band2	Voice	9538	24.53	26.53	33.01	PASS
Band4	Voice	1312	24.64	26.64	30.00	PASS
Band4	TestMode	1312	24.68	26.68	30.00	PASS
Band4	Voice	1413	24.70	26.7	30.00	PASS
Band4	TestMode	1413	24.74	26.74	30.00	PASS
Band4	TestMode	1513	24.59	26.59	30.00	PASS
Band4	Voice	1513	24.55	26.55	30.00	PASS
Band5	Voice	4132	25.01	23.36	38.45	PASS
Band5	TestMode	4132	25.00	23.35	38.45	PASS
Band5	TestMode	4183	24.83	23.18	38.45	PASS
Band5	Voice	4183	24.83	23.18	38.45	PASS
Band5	Voice	4233	24.80	23.15	38.45	PASS
Band5	TestMode	4233	24.80	23.15	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.45	25.45	33.01	PASS
Band2	9262	2	22.89	24.89	33.01	PASS
Band2	9262	3	22.86	24.86	33.01	PASS
Band2	9262	4	22.84	24.84	33.01	PASS
Band2	9400	1	23.69	25.69	33.01	PASS
Band2	9400	2	23.13	25.13	33.01	PASS
Band2	9400	3	23.10	25.1	33.01	PASS
Band2	9400	4	23.10	25.1	33.01	PASS
Band2	9538	1	23.78	25.78	33.01	PASS
Band2	9538	2	23.21	25.21	33.01	PASS
Band2	9538	3	23.23	25.23	33.01	PASS
Band2	9538	4	23.23	25.23	33.01	PASS

Band4	1312	1	23.73	25.73	30.00	PASS
Band4	1312	2	23.17	25.17	30.00	PASS
Band4	1312	3	23.23	25.23	30.00	PASS
Band4	1312	4	23.19	25.19	30.00	PASS
Band4	1413	1	23.78	25.78	30.00	PASS
Band4	1413	2	23.23	25.23	30.00	PASS
Band4	1413	3	23.28	25.28	30.00	PASS
Band4	1413	4	23.23	25.23	30.00	PASS
Band4	1513	1	23.66	25.66	30.00	PASS
Band4	1513	2	23.11	25.11	30.00	PASS
Band4	1513	3	23.11	25.11	30.00	PASS
Band4	1513	4	23.14	25.14	30.00	PASS
Band5	4132	1	24.07	22.42	38.5	PASS
Band5	4132	2	23.50	21.85	38.5	PASS
Band5	4132	3	23.52	21.87	38.5	PASS
Band5	4132	4	23.48	21.83	38.5	PASS
Band5	4183	1	23.88	22.23	38.5	PASS
Band5	4183	2	23.33	21.68	38.5	PASS
Band5	4183	3	23.36	21.71	38.5	PASS
Band5	4183	4	23.35	21.7	38.5	PASS
Band5	4233	1	23.87	22.22	38.5	PASS
Band5	4233	2	23.33	21.68	38.5	PASS
Band5	4233	3	23.33	21.68	38.5	PASS
Band5	4233	4	23.34	21.69	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.40	23.4	33.01	PASS
Band2	9262	2	21.85	23.85	33.01	PASS
Band2	9262	3	22.37	24.37	33.01	PASS
Band2	9262	4	21.38	23.38	33.01	PASS
Band2	9262	5	23.37	25.37	33.01	PASS
Band2	9400	1	21.63	23.63	33.01	PASS
Band2	9400	2	22.13	24.13	33.01	PASS
Band2	9400	3	22.65	24.65	33.01	PASS
Band2	9400	4	21.66	23.66	33.01	PASS
Band2	9400	5	23.63	25.63	33.01	PASS
Band2	9538	1	21.70	23.7	33.01	PASS
Band2	9538	2	22.16	24.16	33.01	PASS
Band2	9538	3	22.69	24.69	33.01	PASS

Band2	9538	4	21.74	23.74	33.01	PASS
Band2	9538	5	23.72	25.72	33.01	PASS
Band4	1312	1	21.76	23.76	30.00	PASS
Band4	1312	2	22.20	24.2	30.00	PASS
Band4	1312	3	22.70	24.7	30.00	PASS
Band4	1312	4	21.73	23.73	30.00	PASS
Band4	1312	5	23.72	25.72	30.00	PASS
Band4	1413	1	21.79	23.79	30.00	PASS
Band4	1413	2	22.28	24.28	30.00	PASS
Band4	1413	3	22.75	24.75	30.00	PASS
Band4	1413	4	21.80	23.8	30.00	PASS
Band4	1413	5	23.79	25.79	30.00	PASS
Band4	1513	1	21.66	23.66	30.00	PASS
Band4	1513	2	22.12	24.12	30.00	PASS
Band4	1513	3	22.62	24.62	30.00	PASS
Band4	1513	4	21.65	23.65	30.00	PASS
Band4	1513	5	23.65	25.65	30.00	PASS
Band5	4132	1	22.06	20.41	38.5	PASS
Band5	4132	2	22.53	20.88	38.5	PASS
Band5	4132	3	23.05	21.4	38.5	PASS
Band5	4132	4	22.07	20.42	38.5	PASS
Band5	4132	5	24.07	22.42	38.5	PASS
Band5	4183	1	21.88	20.23	38.5	PASS
Band5	4183	2	22.37	20.72	38.5	PASS
Band5	4183	3	22.88	21.23	38.5	PASS
Band5	4183	4	21.91	20.26	38.5	PASS
Band5	4183	5	23.88	22.23	38.5	PASS
Band5	4233	1	21.88	20.23	38.5	PASS
Band5	4233	2	22.37	20.72	38.5	PASS
Band5	4233	3	22.85	21.2	38.5	PASS
Band5	4233	4	21.86	20.21	38.5	PASS
Band5	4233	5	23.86	22.21	38.5	PASS

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

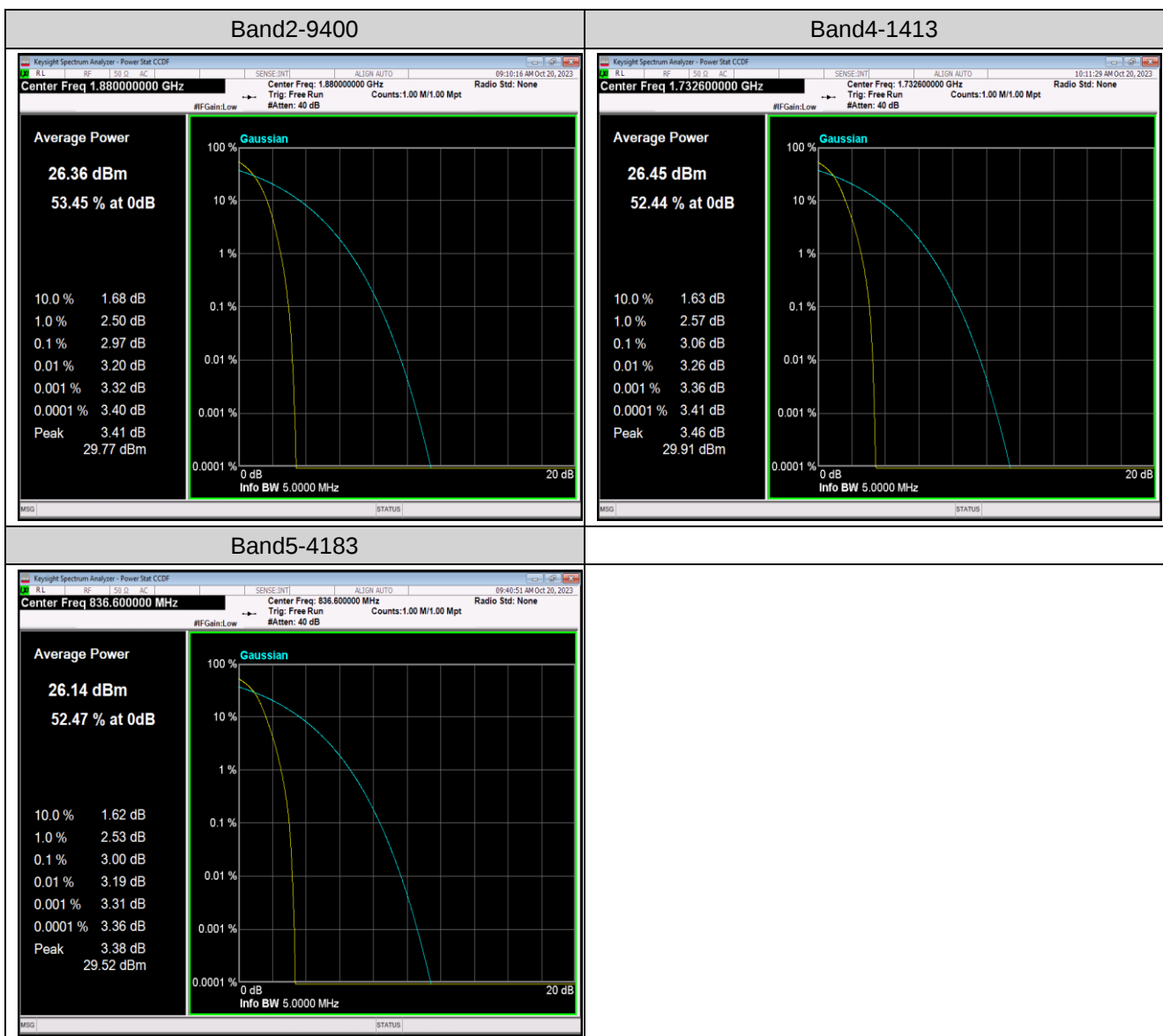
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.97	13	PASS
Band4	1413	3.06	13	PASS
Band5	4183	3	13	PASS

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

Test Graphs(WCDMA)

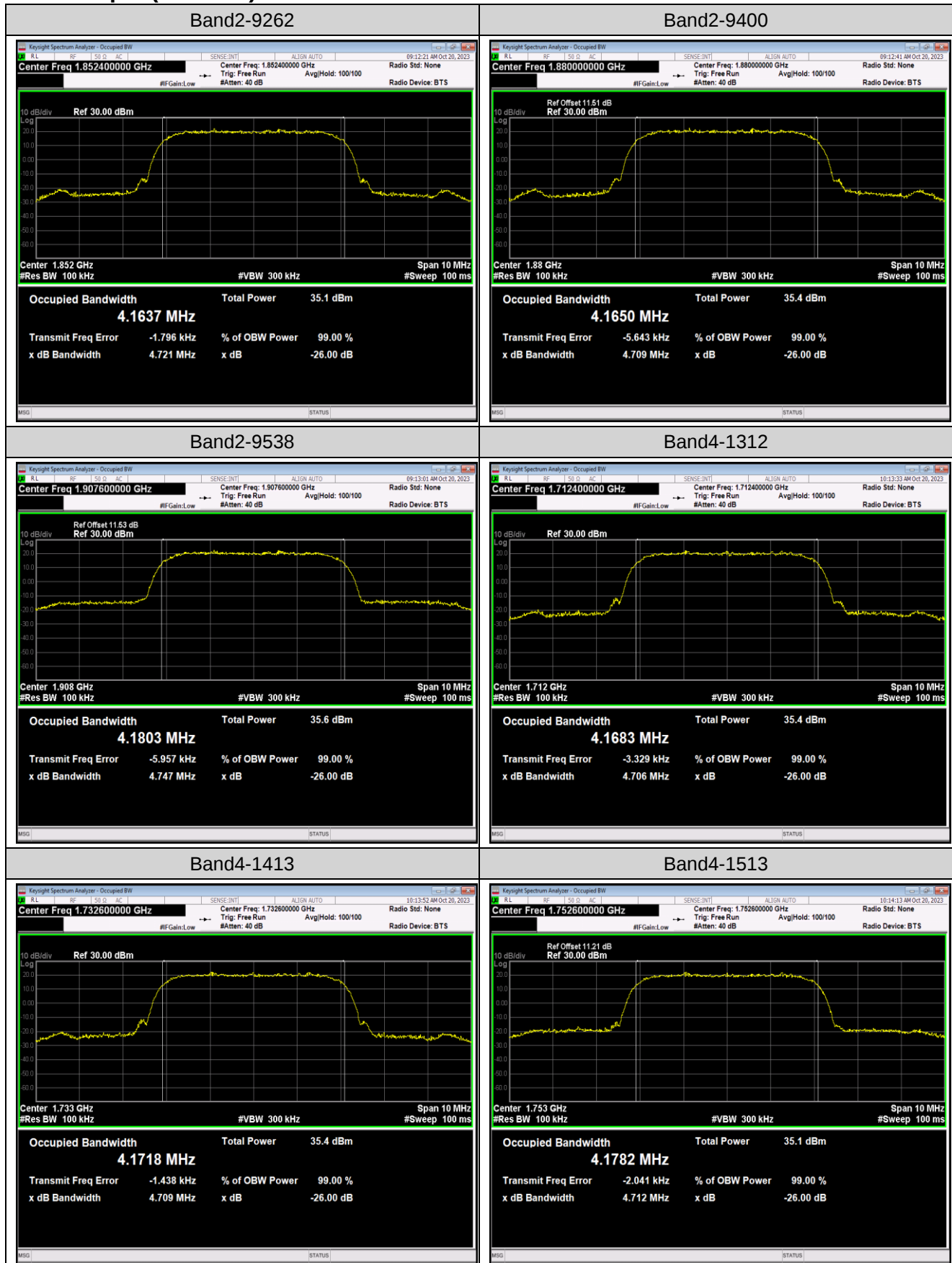


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1637	4.721	---	PASS
Band2	9400	4.1650	4.709	---	PASS
Band2	9538	4.1803	4.747	---	PASS
Band4	1312	4.1683	4.706	---	PASS
Band4	1413	4.1718	4.709	---	PASS
Band4	1513	4.1782	4.712	---	PASS
Band5	4132	4.1657	4.709	---	PASS
Band5	4183	4.1742	4.716	---	PASS
Band5	4233	4.1713	4.705	---	PASS

Test Graphs(WCDMA)



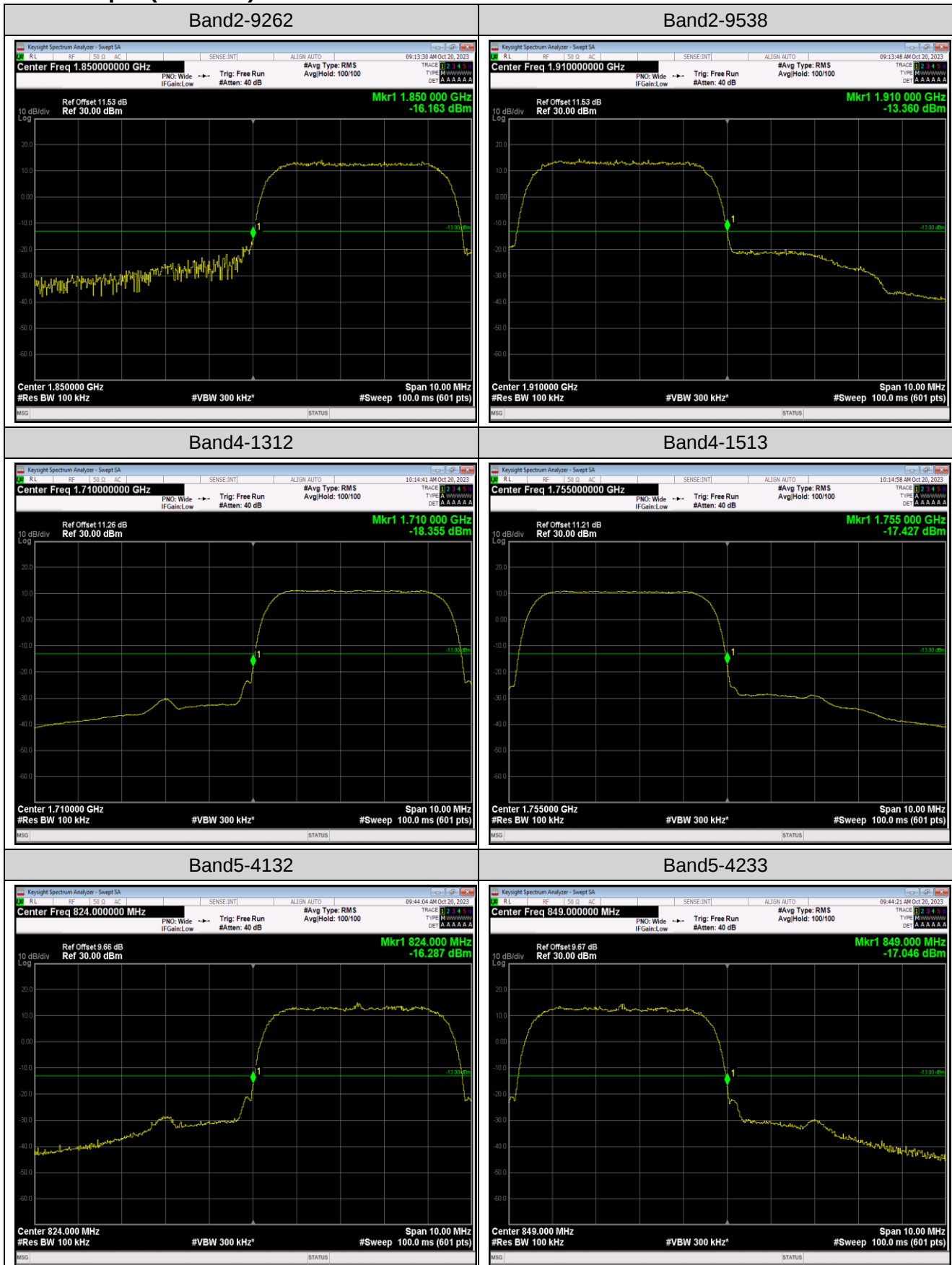


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-16.16	-13	PASS
Band2	9538	1910.00	-13.36	-13	PASS
Band4	1312	1710.00	-18.36	-13	PASS
Band4	1513	1755.00	-17.43	-13	PASS
Band5	4132	824.00	-16.29	-13	PASS
Band5	4233	849.00	-17.05	-13	PASS

Test Graphs(WCDMA)



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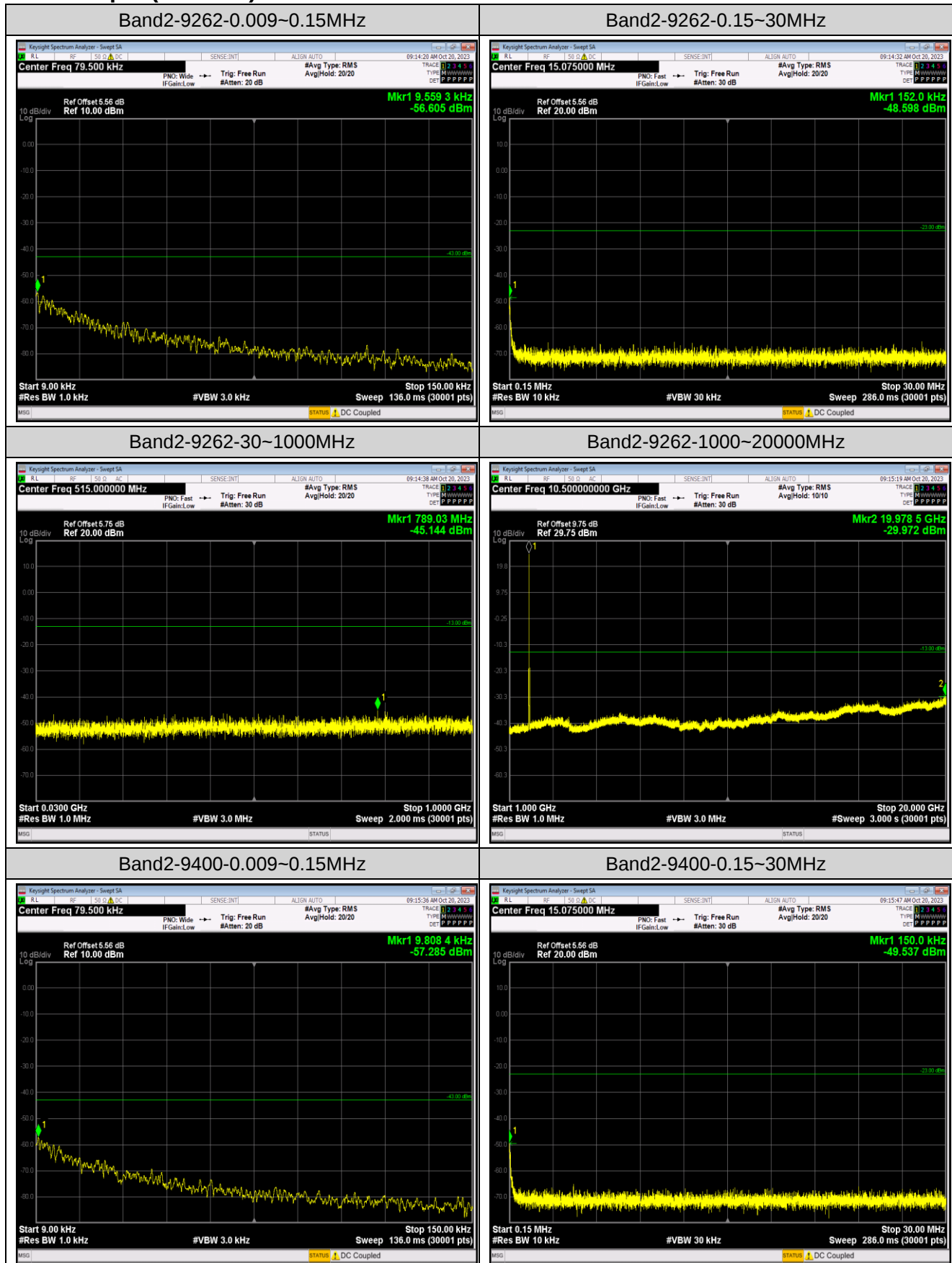
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-56.61	-43	PASS
Band2	9262	0.15~30MHz	0.15	-48.6	-23	PASS
Band2	9262	30~1000MHz	789.03	-45.14	-13	PASS
Band2	9262	1000~20000MHz	19978.47	-29.97	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.29	-43	PASS
Band2	9400	0.15~30MHz	0.15	-49.54	-23	PASS
Band2	9400	30~1000MHz	980.73	-45.31	-13	PASS
Band2	9400	1000~20000MHz	19941.1	-30.01	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.54	-43	PASS
Band2	9538	0.15~30MHz	0.16	-48.6	-23	PASS
Band2	9538	30~1000MHz	771.5	-45.49	-13	PASS
Band2	9538	1000~20000MHz	19956.3	-30.24	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-58.01	-43	PASS
Band4	1312	0.15~30MHz	0.16	-48.17	-23	PASS
Band4	1312	30~1000MHz	541.25	-44.22	-13	PASS
Band4	1312	1000~20000MHz	19999.37	-30.25	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-57.94	-43	PASS
Band4	1413	0.15~30MHz	0.15	-45.95	-23	PASS
Band4	1413	30~1000MHz	951.5	-45.05	-13	PASS
Band4	1413	1000~20000MHz	19913.23	-29.4	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.3	-43	PASS
Band4	1513	0.15~30MHz	0.16	-48.98	-23	PASS
Band4	1513	30~1000MHz	469.86	-44.88	-13	PASS
Band4	1513	1000~20000MHz	19967.7	-30.08	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.54	-33	PASS
Band5	4132	0.15~30MHz	0.16	-47.35	-13	PASS
Band5	4132	30~1000MHz	530.75	-54.09	-13	PASS
Band5	4132	1000~10000MHz	5962.6	-35.9	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57.2	-33	PASS
Band5	4183	0.15~30MHz	0.15	-49.62	-13	PASS
Band5	4183	30~1000MHz	501.06	-54.59	-13	PASS
Band5	4183	1000~10000MHz	5213.2	-35.96	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.32	-33	PASS
Band5	4233	0.15~30MHz	0.15	-50.05	-13	PASS
Band5	4233	30~1000MHz	731.73	-55.04	-13	PASS
Band5	4233	1000~10000MHz	5986.9	-36.5	-13	PASS

Test Graphs(WCDMA)

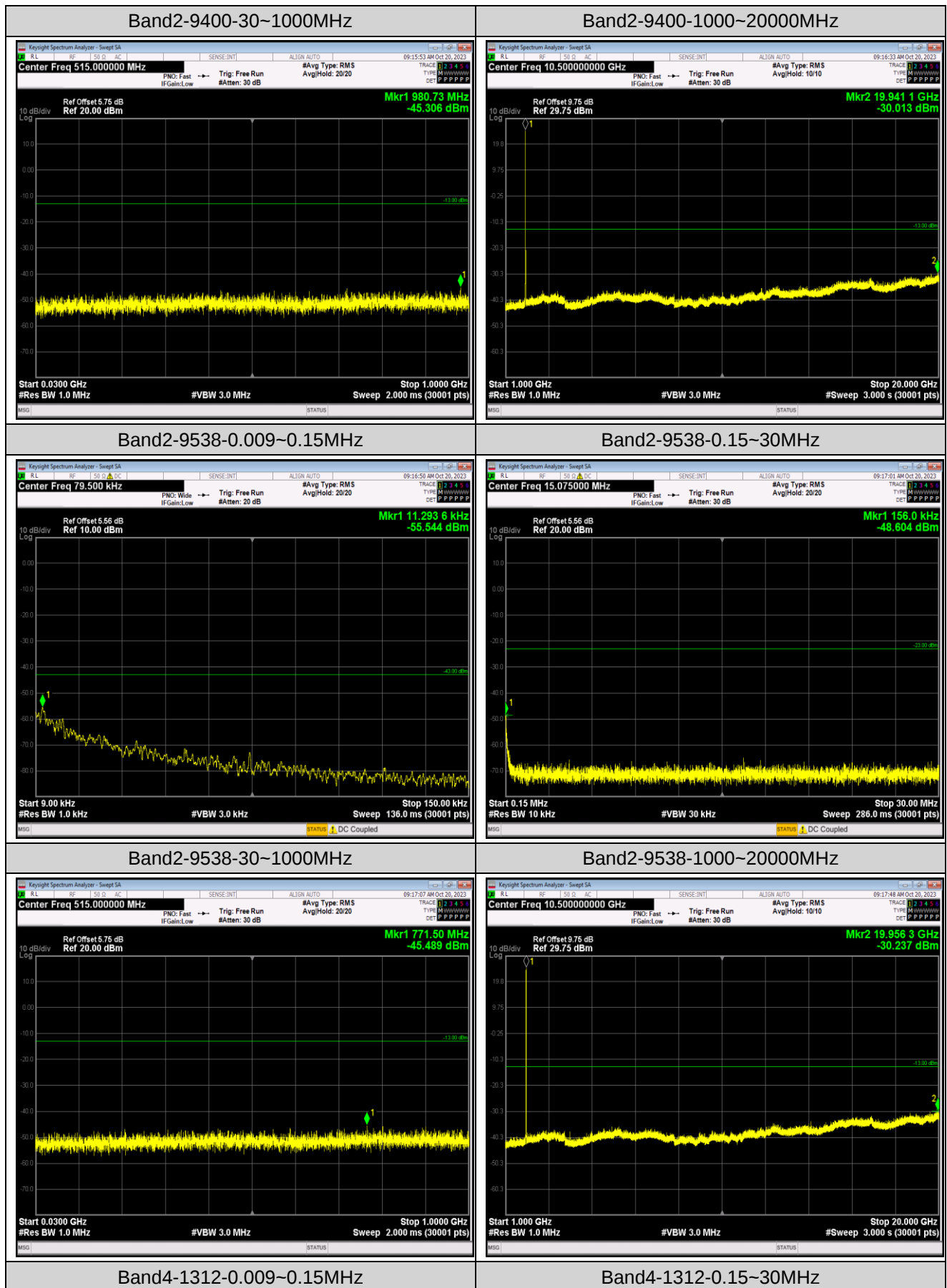


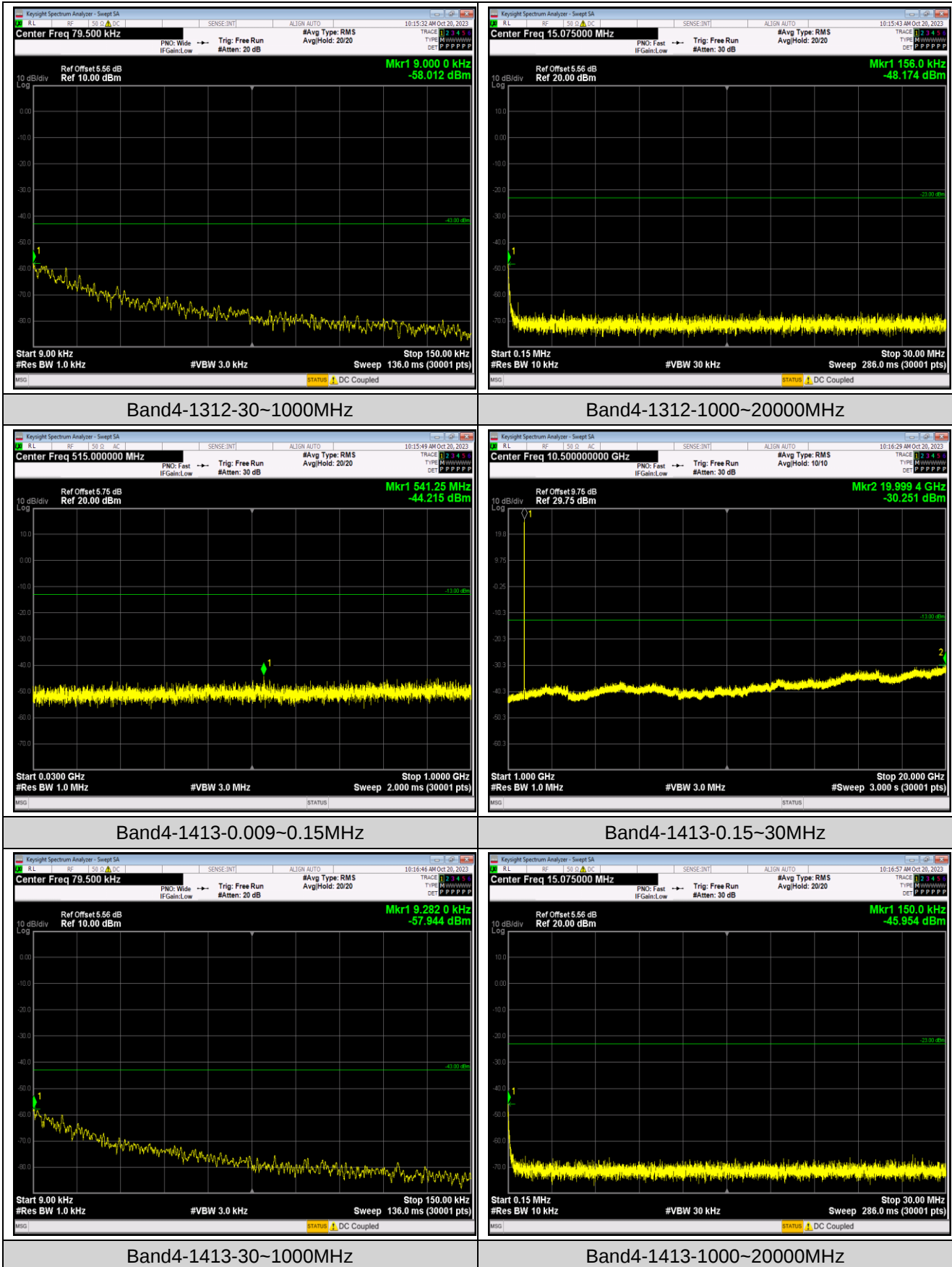
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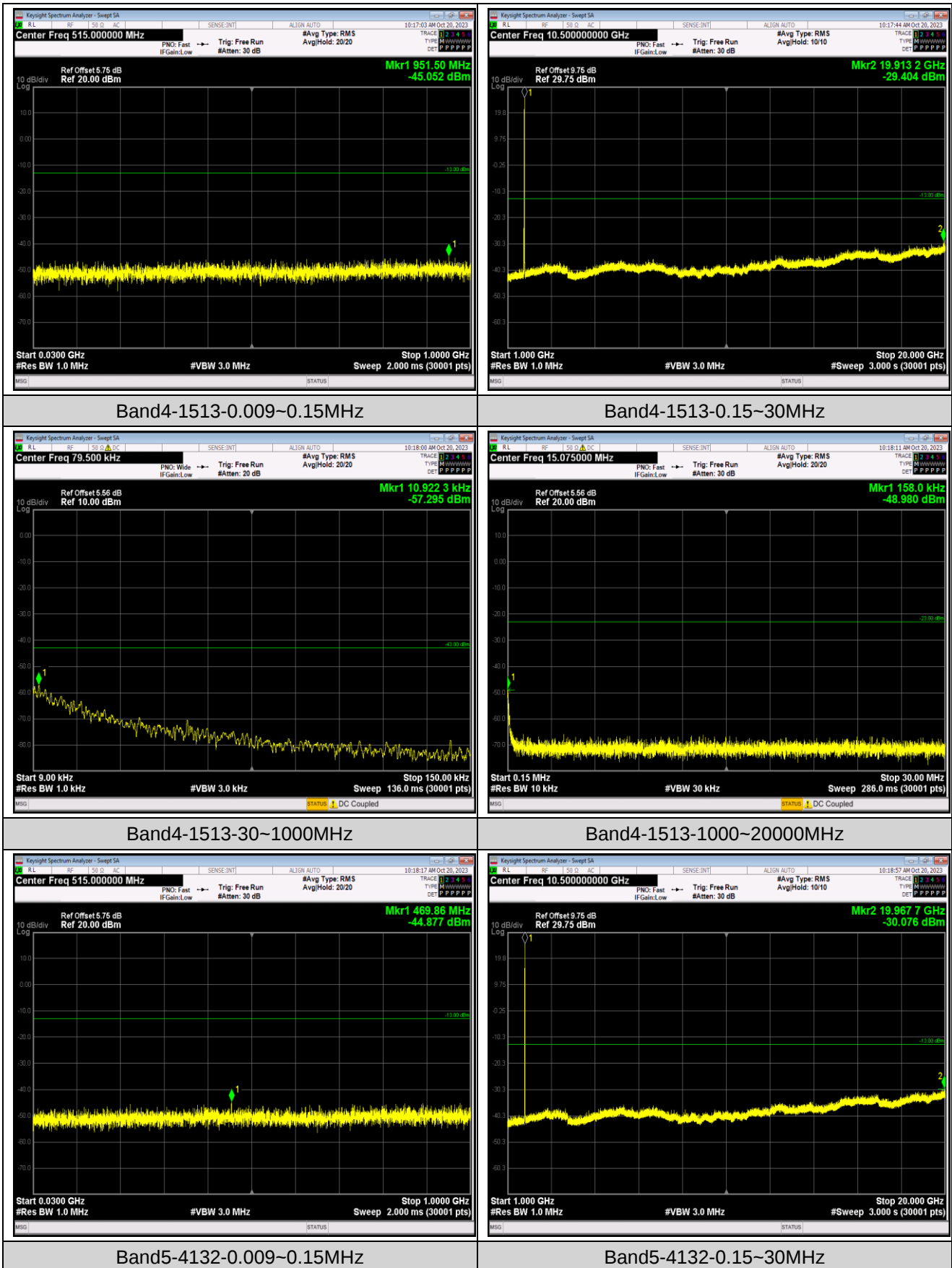
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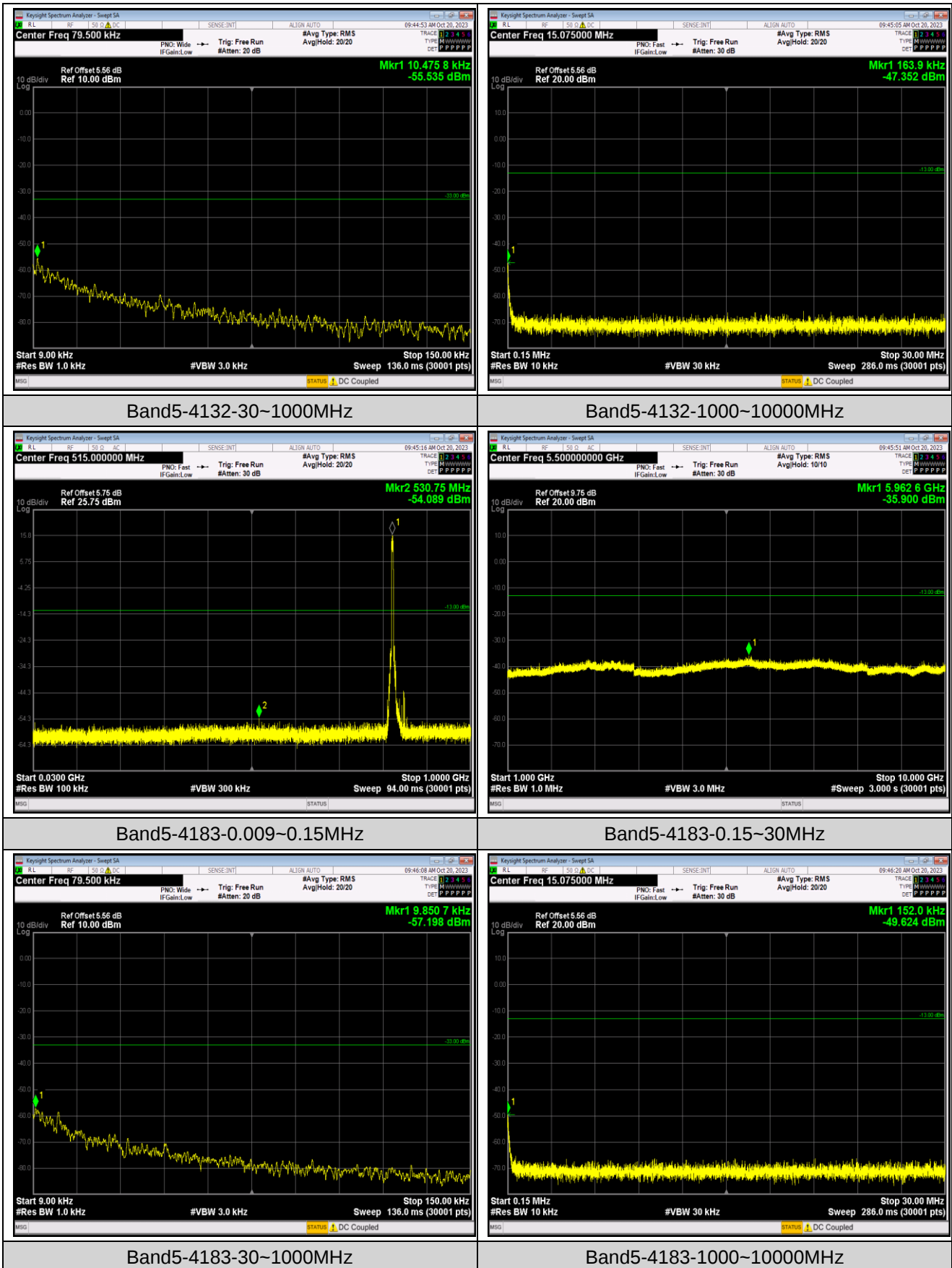
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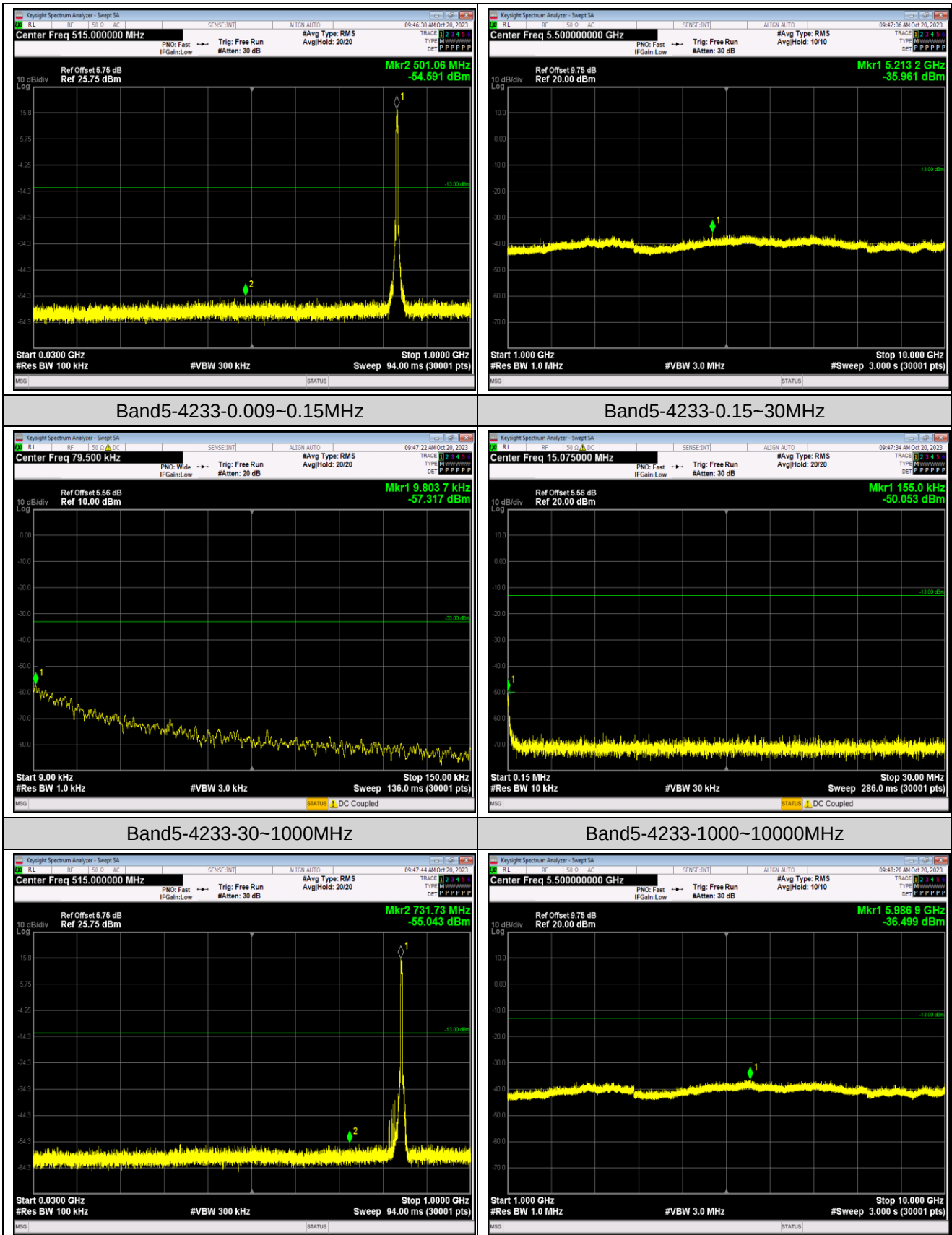
Project No.: JYTSZR2310014











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		
3.80	-30	-11.40	-0.013627	±2.5	Pass
	-20	-10.46	-0.012503		
	-10	-8.08	-0.009658		
	0	-5.45	-0.006514		
	10	-13.23	-0.015814		
	20	-10.47	-0.012515		
	30	-7.20	-0.008606		
	40	-5.68	-0.006789		
	50	-8.35	-0.009981		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-7.68	-0.009180	±2.5	Pass
	3.80	-8.81	-0.010531		
	4.35	-4.99	-0.005965		
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		
3.80	-30	-6.18	-0.003567	Within authorized band for BAND IV	Pass
	-20	-8.22	-0.004744		
	-10	-9.88	-0.005702		
	0	-10.18	-0.005876		
	10	-7.38	-0.004259		
	20	-9.25	-0.005339		
	30	-10.31	-0.005951		
	40	-7.42	-0.004283		
	50	-8.86	-0.005114		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-9.49	-0.005477	Within authorized band for BAND IV	Pass
	3.80	-8.66	-0.004998		
	4.35	-10.98	-0.006337		
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		
3.80	-30	-10.82	-0.005755	Within authorized band for BAND II	Pass
	-20	-12.57	-0.006686		
	-10	-13.73	-0.007303		
	0	-12.03	-0.006399		
	10	-10.19	-0.005420		
	20	-9.31	-0.004952		
	30	-11.77	-0.006261		
	40	-12.45	-0.006622		
	50	-12.85	-0.006835		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-7.38	-0.003926	Within authorized band for BAND II	Pass
	3.80	-12.94	-0.006883		
	4.35	-9.29	-0.004941		
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

