

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	23.60	18.89	33.01	PASS
Band2	TestMode	9262	23.70	18.99	33.01	PASS
Band2	TestMode	9400	23.97	19.26	33.01	PASS
Band2	Voice	9400	23.81	19.1	33.01	PASS
Band2	TestMode	9538	23.98	19.27	33.01	PASS
Band2	Voice	9538	23.82	19.11	33.01	PASS
Band4	Voice	1312	23.97	19.5	30.00	PASS
Band4	TestMode	1312	24.01	19.54	30.00	PASS
Band4	TestMode	1413	23.80	19.33	30.00	PASS
Band4	Voice	1413	23.56	19.09	30.00	PASS
Band4	Voice	1513	23.61	19.14	30.00	PASS
Band4	TestMode	1513	23.81	19.34	30.00	PASS
Band5	TestMode	4132	24.34	19.44	38.45	PASS
Band5	Voice	4132	24.22	19.32	38.45	PASS
Band5	TestMode	4183	24.43	19.53	38.45	PASS
Band5	Voice	4183	24.37	19.47	38.45	PASS
Band5	Voice	4233	24.15	19.25	38.45	PASS
Band5	TestMode	4233	24.35	19.45	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.69	17.98	33.01	PASS
Band2	9262	2	22.13	17.42	33.01	PASS
Band2	9262	3	22.14	17.43	33.01	PASS
Band2	9262	4	22.13	17.42	33.01	PASS
Band2	9400	1	22.98	18.27	33.01	PASS
Band2	9400	2	22.41	17.7	33.01	PASS
Band2	9400	3	22.41	17.7	33.01	PASS
Band2	9400	4	22.42	17.71	33.01	PASS
Band2	9538	1	22.98	18.27	33.01	PASS
Band2	9538	2	22.47	17.76	33.01	PASS
Band2	9538	3	22.45	17.74	33.01	PASS
Band2	9538	4	22.45	17.74	33.01	PASS

Band4	1312	1	23.01	18.54	30.00	PASS
Band4	1312	2	22.44	17.97	30.00	PASS
Band4	1312	3	22.46	17.99	30.00	PASS
Band4	1312	4	22.45	17.98	30.00	PASS
Band4	1413	1	22.82	18.35	30.00	PASS
Band4	1413	2	22.27	17.8	30.00	PASS
Band4	1413	3	22.28	17.81	30.00	PASS
Band4	1413	4	22.27	17.8	30.00	PASS
Band4	1513	1	22.87	18.4	30.00	PASS
Band4	1513	2	22.30	17.83	30.00	PASS
Band4	1513	3	22.35	17.88	30.00	PASS
Band4	1513	4	22.29	17.82	30.00	PASS
Band5	4132	1	23.33	18.43	38.5	PASS
Band5	4132	2	22.78	17.88	38.5	PASS
Band5	4132	3	22.80	17.9	38.5	PASS
Band5	4132	4	22.75	17.85	38.5	PASS
Band5	4183	1	23.42	18.52	38.5	PASS
Band5	4183	2	22.86	17.96	38.5	PASS
Band5	4183	3	22.89	17.99	38.5	PASS
Band5	4183	4	22.85	17.95	38.5	PASS
Band5	4233	1	23.35	18.45	38.5	PASS
Band5	4233	2	22.78	17.88	38.5	PASS
Band5	4233	3	22.81	17.91	38.5	PASS
Band5	4233	4	22.80	17.9	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.69	15.98	33.01	PASS
Band2	9262	2	21.20	16.49	33.01	PASS
Band2	9262	3	21.67	16.96	33.01	PASS
Band2	9262	4	20.73	16.02	33.01	PASS
Band2	9262	5	22.67	17.96	33.01	PASS
Band2	9400	1	20.95	16.24	33.01	PASS
Band2	9400	2	21.45	16.74	33.01	PASS
Band2	9400	3	21.93	17.22	33.01	PASS
Band2	9400	4	20.98	16.27	33.01	PASS
Band2	9400	5	22.94	18.23	33.01	PASS
Band2	9538	1	21.02	16.31	33.01	PASS
Band2	9538	2	21.48	16.77	33.01	PASS
Band2	9538	3	22.00	17.29	33.01	PASS

Band2	9538	4	21.02	16.31	33.01	PASS
Band2	9538	5	22.97	18.26	33.01	PASS
Band4	1312	1	20.99	16.52	30.00	PASS
Band4	1312	2	21.55	17.08	30.00	PASS
Band4	1312	3	22.05	17.58	30.00	PASS
Band4	1312	4	21.03	16.56	30.00	PASS
Band4	1312	5	23.00	18.53	30.00	PASS
Band4	1413	1	20.83	16.36	30.00	PASS
Band4	1413	2	21.34	16.87	30.00	PASS
Band4	1413	3	21.87	17.4	30.00	PASS
Band4	1413	4	20.85	16.38	30.00	PASS
Band4	1413	5	22.82	18.35	30.00	PASS
Band4	1513	1	20.87	16.4	30.00	PASS
Band4	1513	2	21.38	16.91	30.00	PASS
Band4	1513	3	21.88	17.41	30.00	PASS
Band4	1513	4	20.90	16.43	30.00	PASS
Band4	1513	5	22.85	18.38	30.00	PASS
Band5	4132	1	21.36	16.46	38.5	PASS
Band5	4132	2	21.89	16.99	38.5	PASS
Band5	4132	3	22.39	17.49	38.5	PASS
Band5	4132	4	21.40	16.5	38.5	PASS
Band5	4132	5	23.34	18.44	38.5	PASS
Band5	4183	1	21.46	16.56	38.5	PASS
Band5	4183	2	21.95	17.05	38.5	PASS
Band5	4183	3	22.42	17.52	38.5	PASS
Band5	4183	4	21.49	16.59	38.5	PASS
Band5	4183	5	23.47	18.57	38.5	PASS
Band5	4233	1	21.39	16.49	38.5	PASS
Band5	4233	2	21.87	16.97	38.5	PASS
Band5	4233	3	22.38	17.48	38.5	PASS
Band5	4233	4	21.42	16.52	38.5	PASS
Band5	4233	5	23.36	18.46	38.5	PASS

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

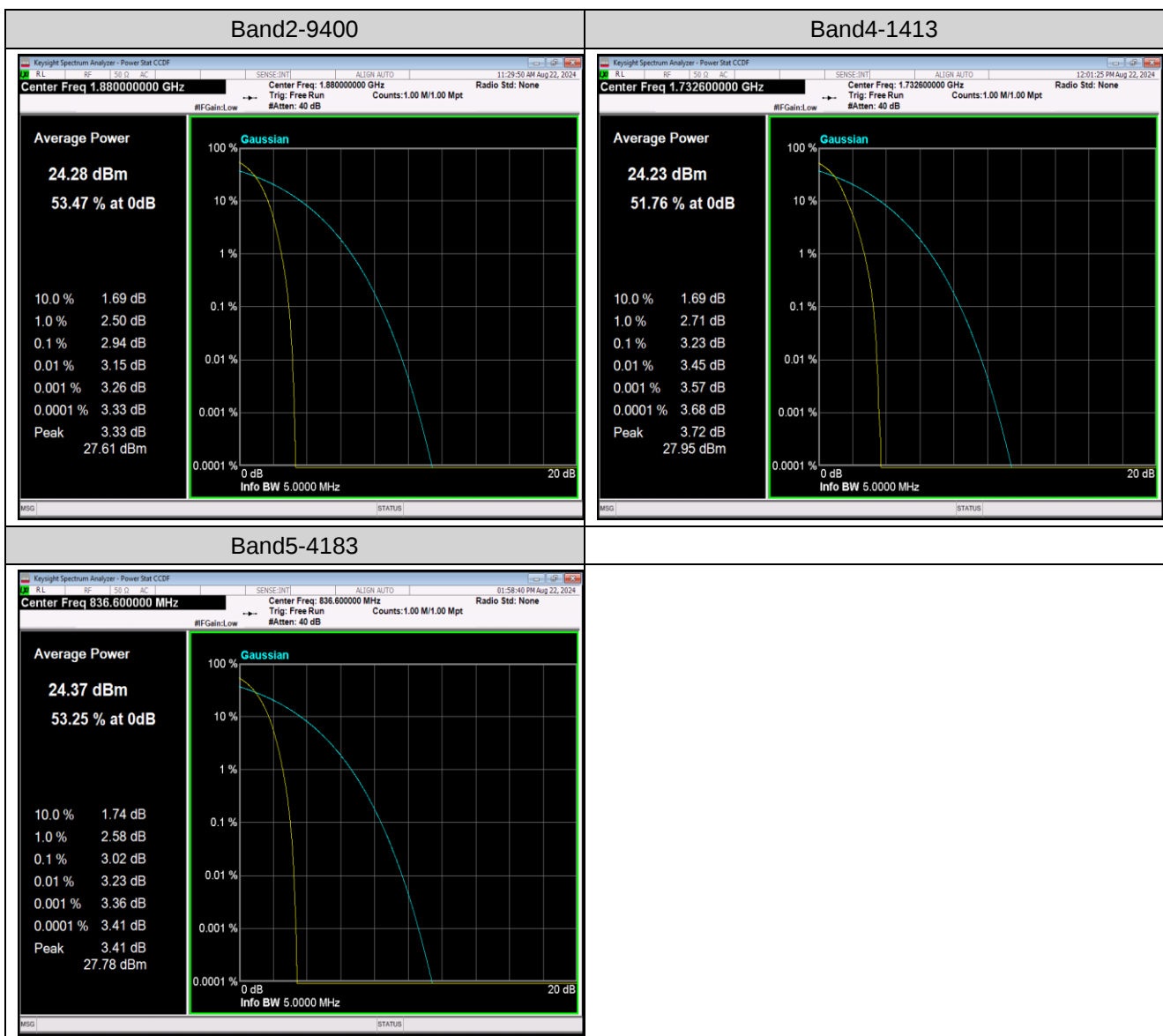
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.94	13	PASS
Band4	1413	3.23	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)

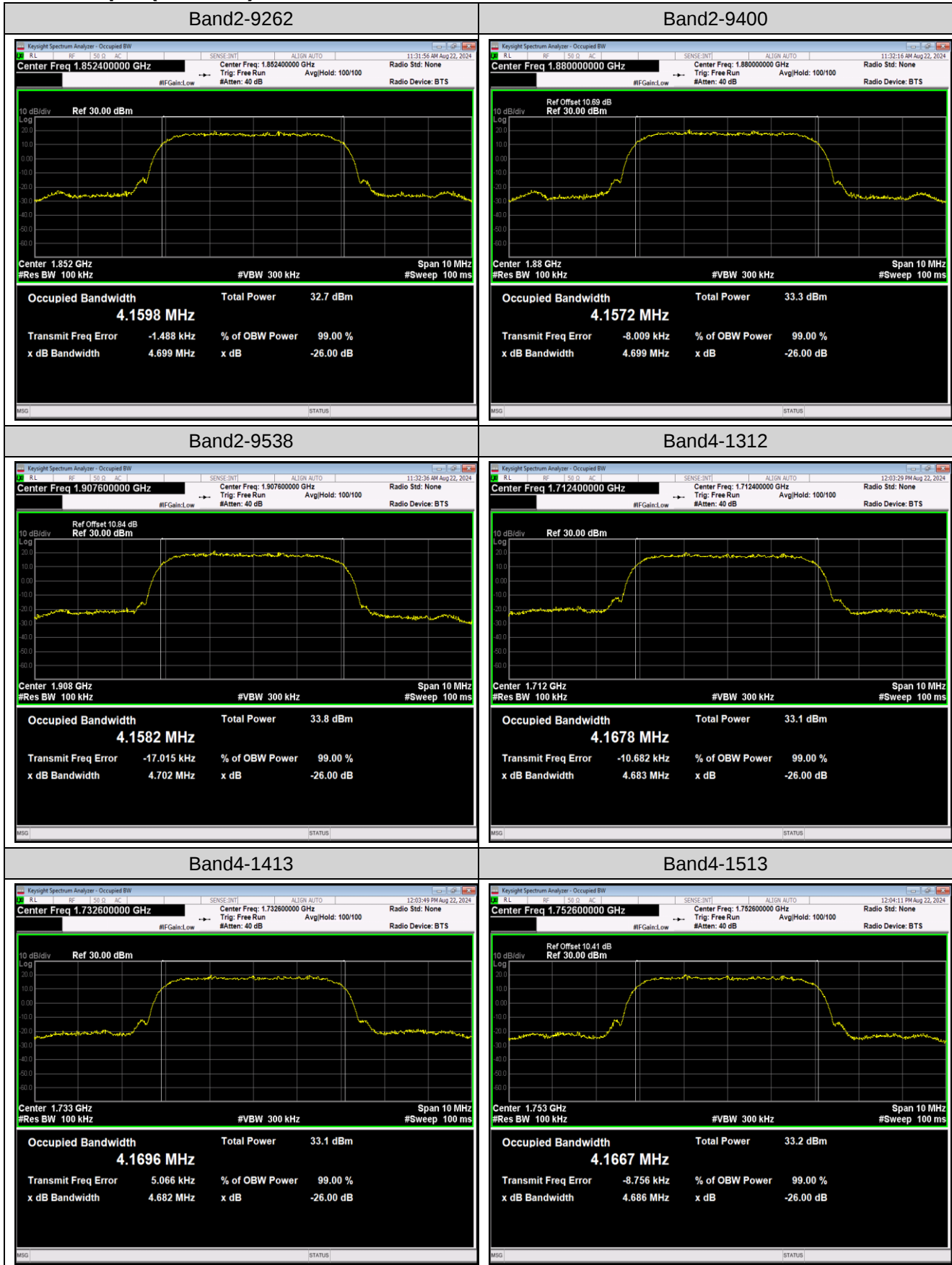


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1598	4.699	---	PASS
Band2	9400	4.1572	4.699	---	PASS
Band2	9538	4.1582	4.702	---	PASS
Band4	1312	4.1678	4.683	---	PASS
Band4	1413	4.1696	4.682	---	PASS
Band4	1513	4.1667	4.686	---	PASS
Band5	4132	4.1685	4.695	---	PASS
Band5	4183	4.1584	4.684	---	PASS
Band5	4233	4.1610	4.687	---	PASS

Test Graphs(WCDMA)



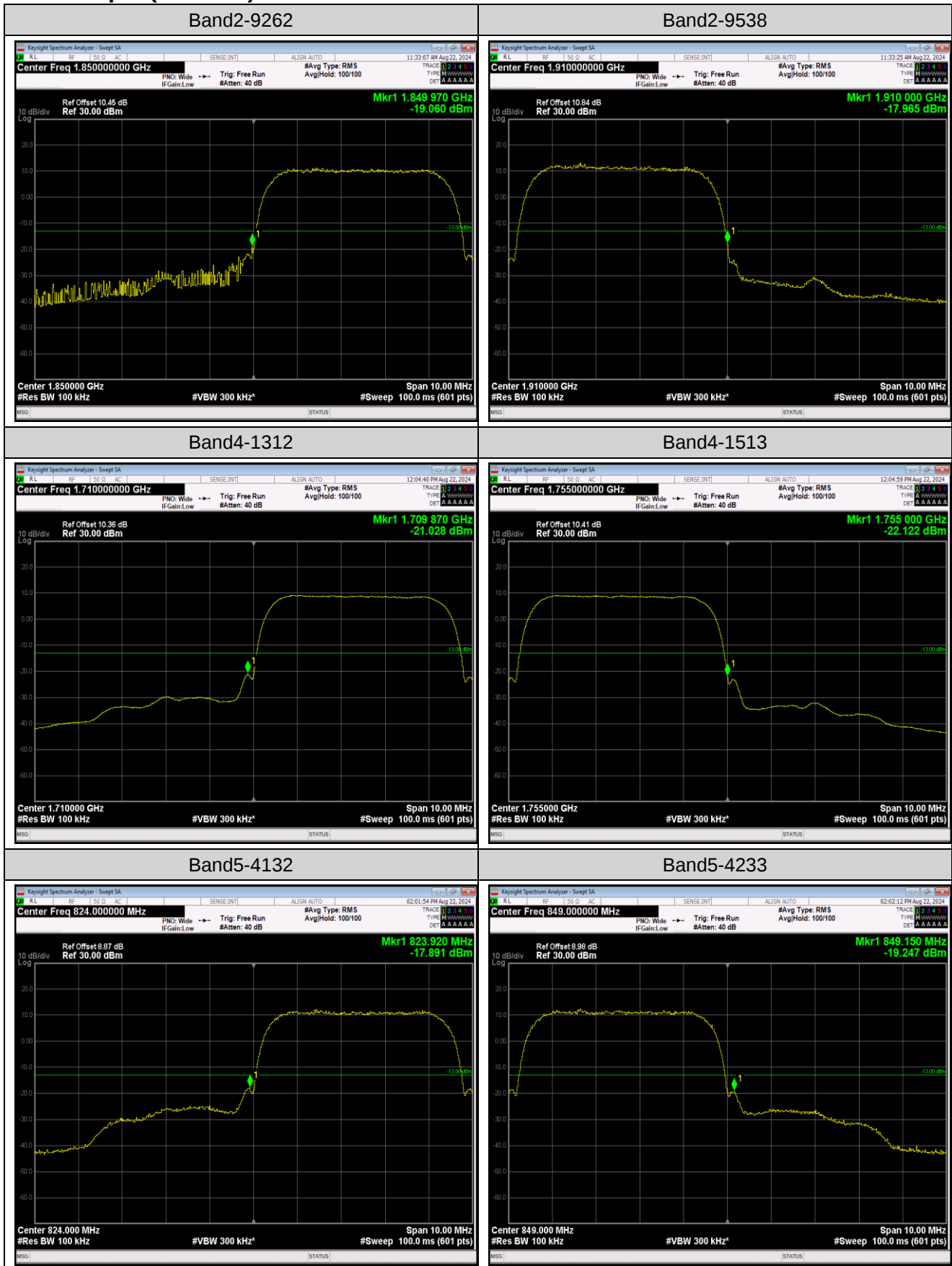


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.97	-19.06	-13	PASS
Band2	9538	1910.00	-17.96	-13	PASS
Band4	1312	1709.87	-21.03	-13	PASS
Band4	1513	1755.00	-22.12	-13	PASS
Band5	4132	823.92	-17.89	-13	PASS
Band5	4233	849.15	-19.25	-13	PASS

Test Graphs(WCDMA)



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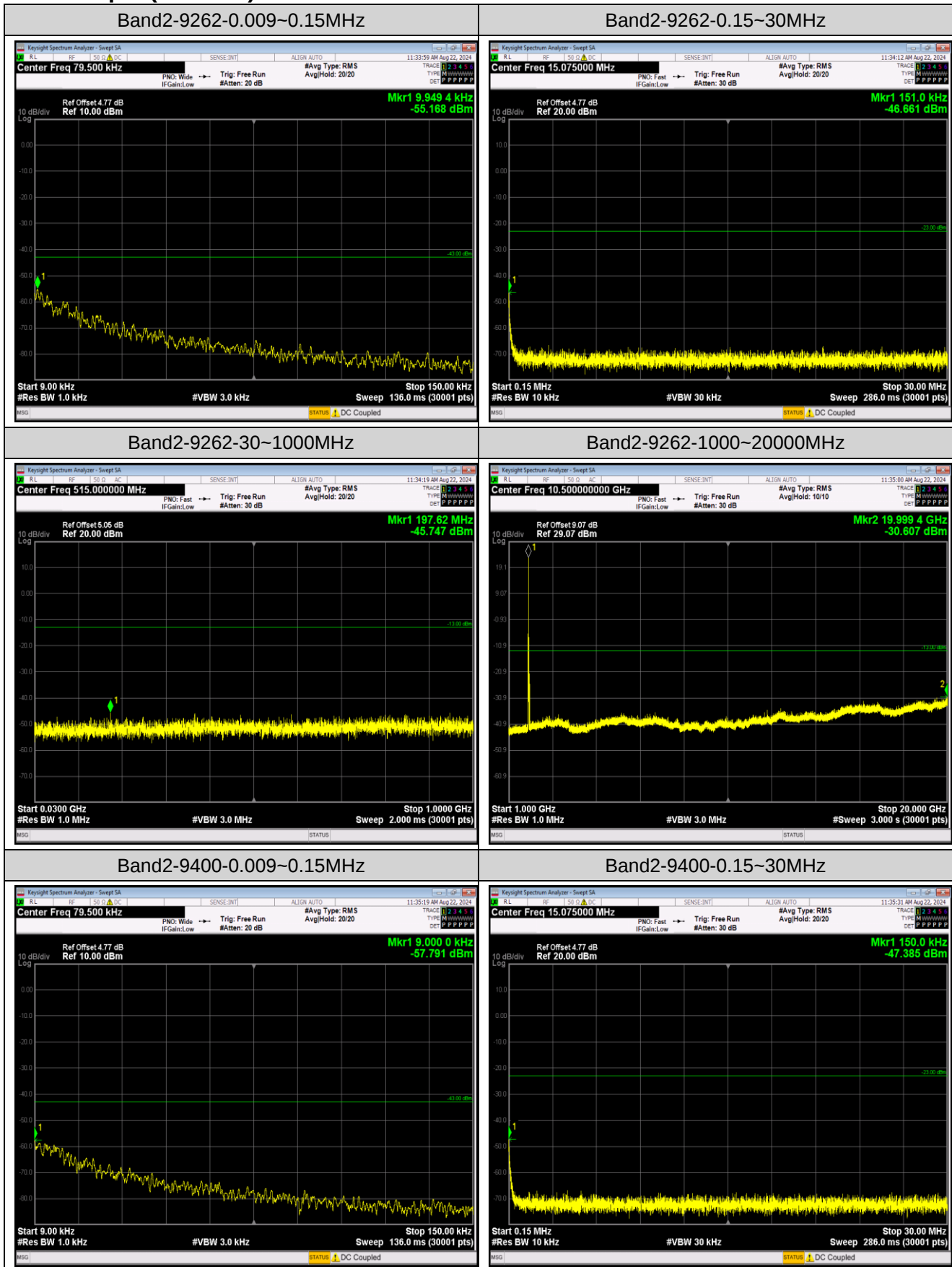
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.17	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.66	-23	PASS
Band2	9262	30~1000MHz	197.62	-45.75	-13	PASS
Band2	9262	1000~20000MHz	19999.37	-30.61	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.79	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.39	-23	PASS
Band2	9400	30~1000MHz	751.62	-45.28	-13	PASS
Band2	9400	1000~20000MHz	19563	-30.7	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.94	-43	PASS
Band2	9538	0.15~30MHz	0.15	-47.26	-23	PASS
Band2	9538	30~1000MHz	985.77	-45.73	-13	PASS
Band2	9538	1000~20000MHz	19453.43	-30.95	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.71	-43	PASS
Band4	1312	0.15~30MHz	0.17	-47.28	-23	PASS
Band4	1312	30~1000MHz	540.25	-46.01	-13	PASS
Band4	1312	1000~20000MHz	19926.53	-30.23	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.44	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.37	-23	PASS
Band4	1413	30~1000MHz	877.1	-45.64	-13	PASS
Band4	1413	1000~20000MHz	19877.77	-31.23	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.63	-43	PASS
Band4	1513	0.15~30MHz	0.15	-46.2	-23	PASS
Band4	1513	30~1000MHz	810.33	-45.55	-13	PASS
Band4	1513	1000~20000MHz	19996.83	-31.25	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.53	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.34	-13	PASS
Band5	4132	30~1000MHz	388.87	-54.6	-13	PASS
Band5	4132	1000~10000MHz	5822.8	-36.98	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57.68	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.51	-13	PASS
Band5	4183	30~1000MHz	951.47	-54.52	-13	PASS
Band5	4183	1000~10000MHz	5896.3	-36.97	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.69	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.8	-13	PASS
Band5	4233	30~1000MHz	977.43	-55.05	-13	PASS
Band5	4233	1000~10000MHz	7297.9	-37.01	-13	PASS

Test Graphs(WCDMA)

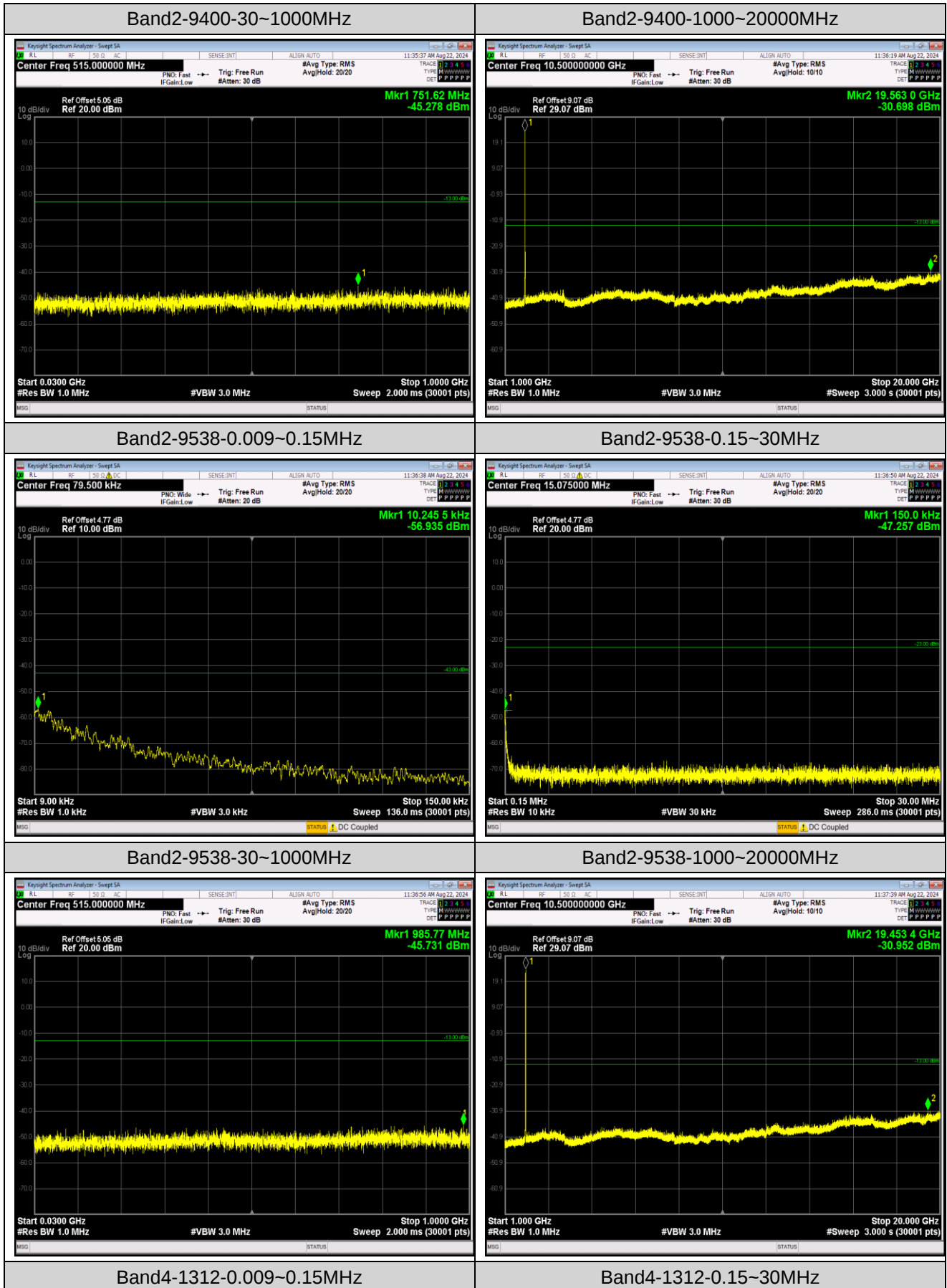


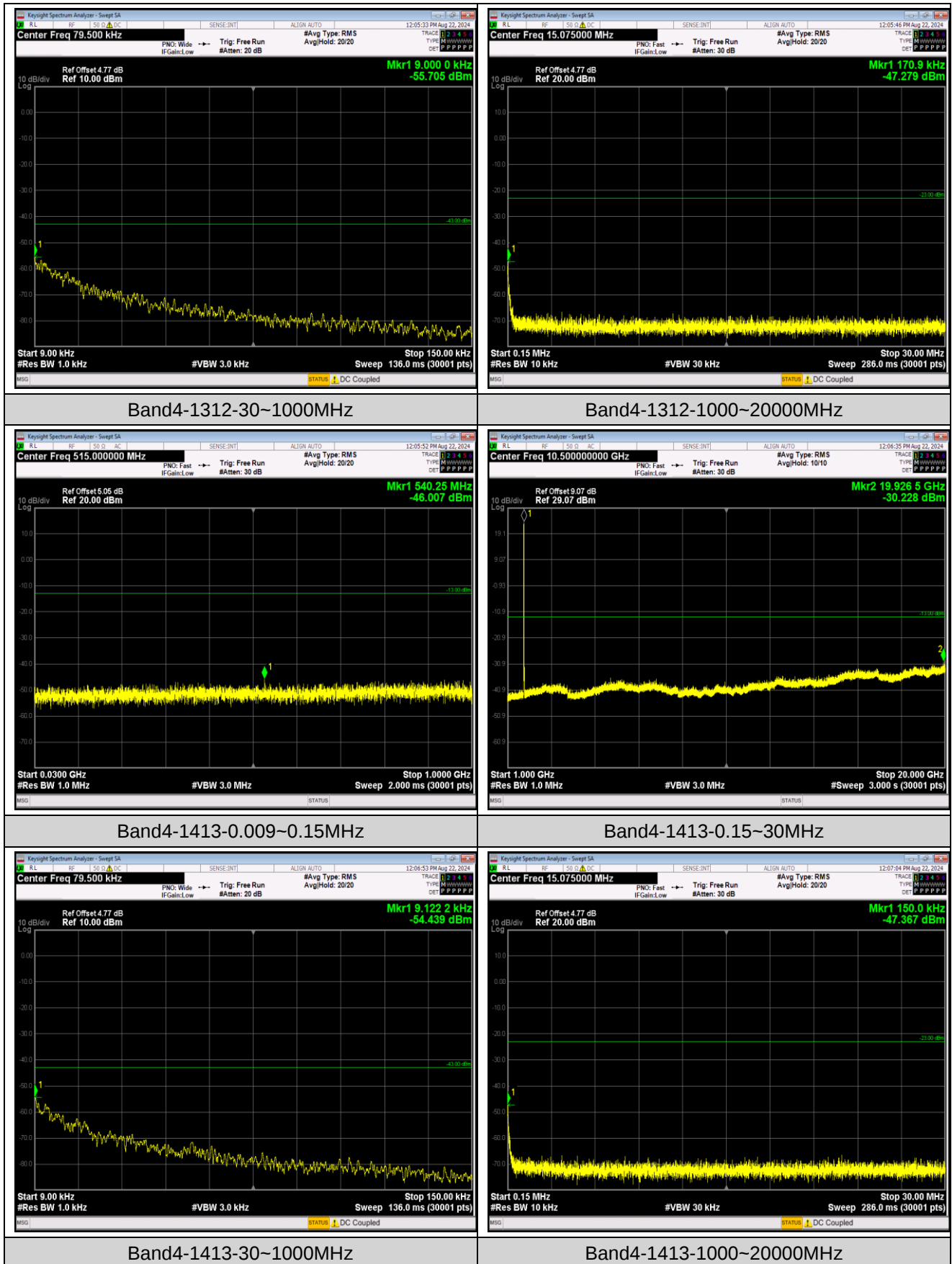
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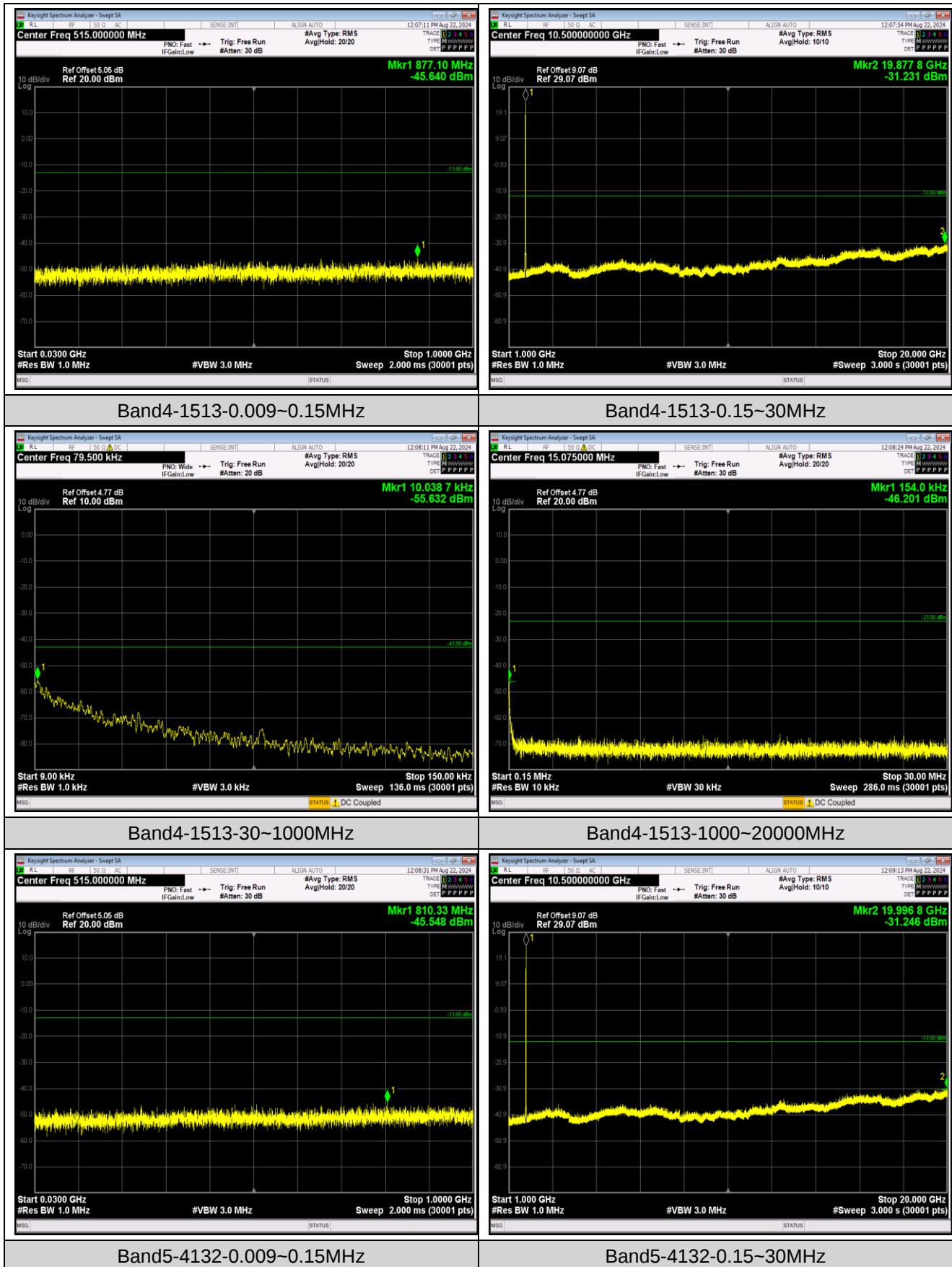
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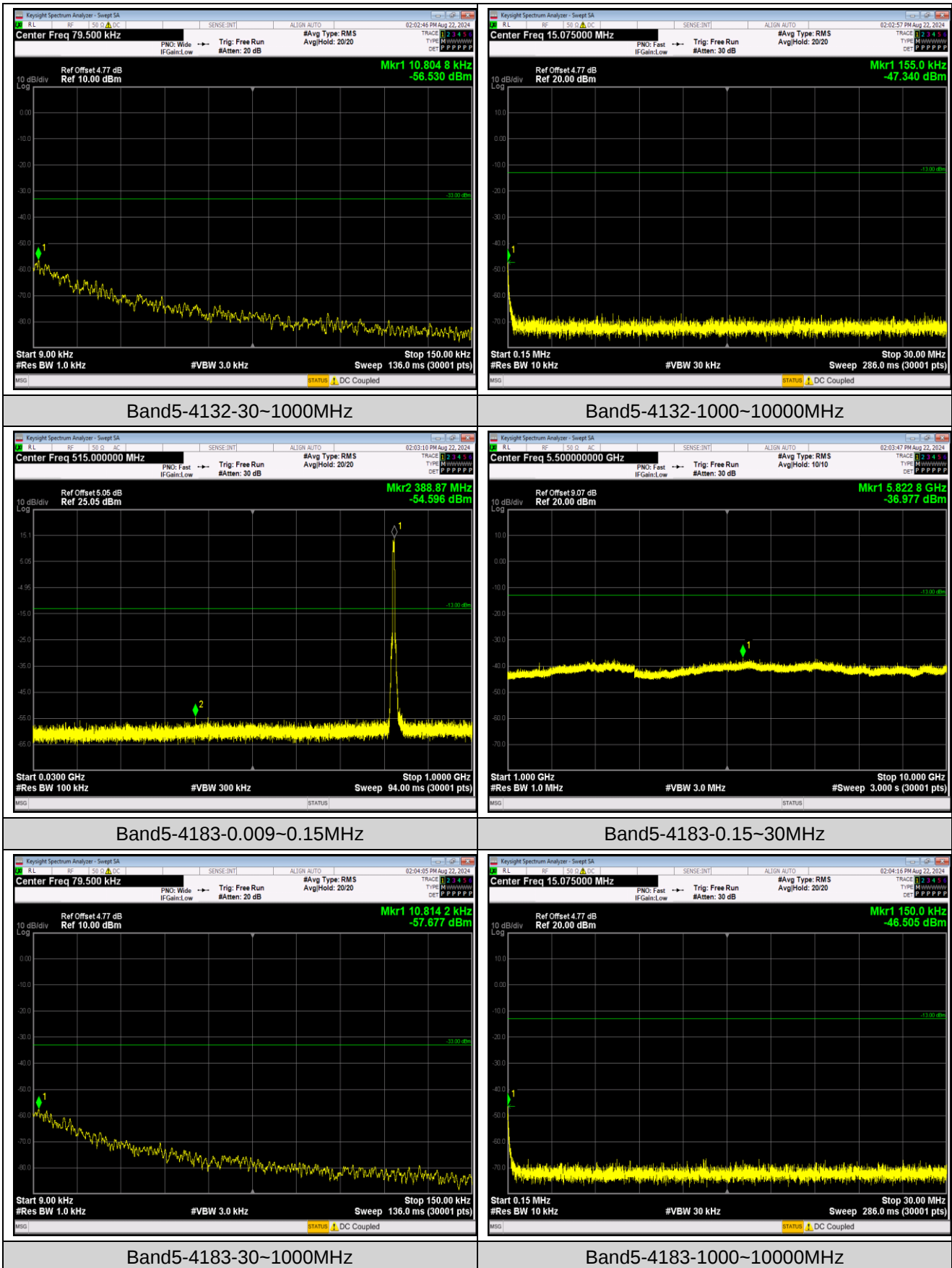
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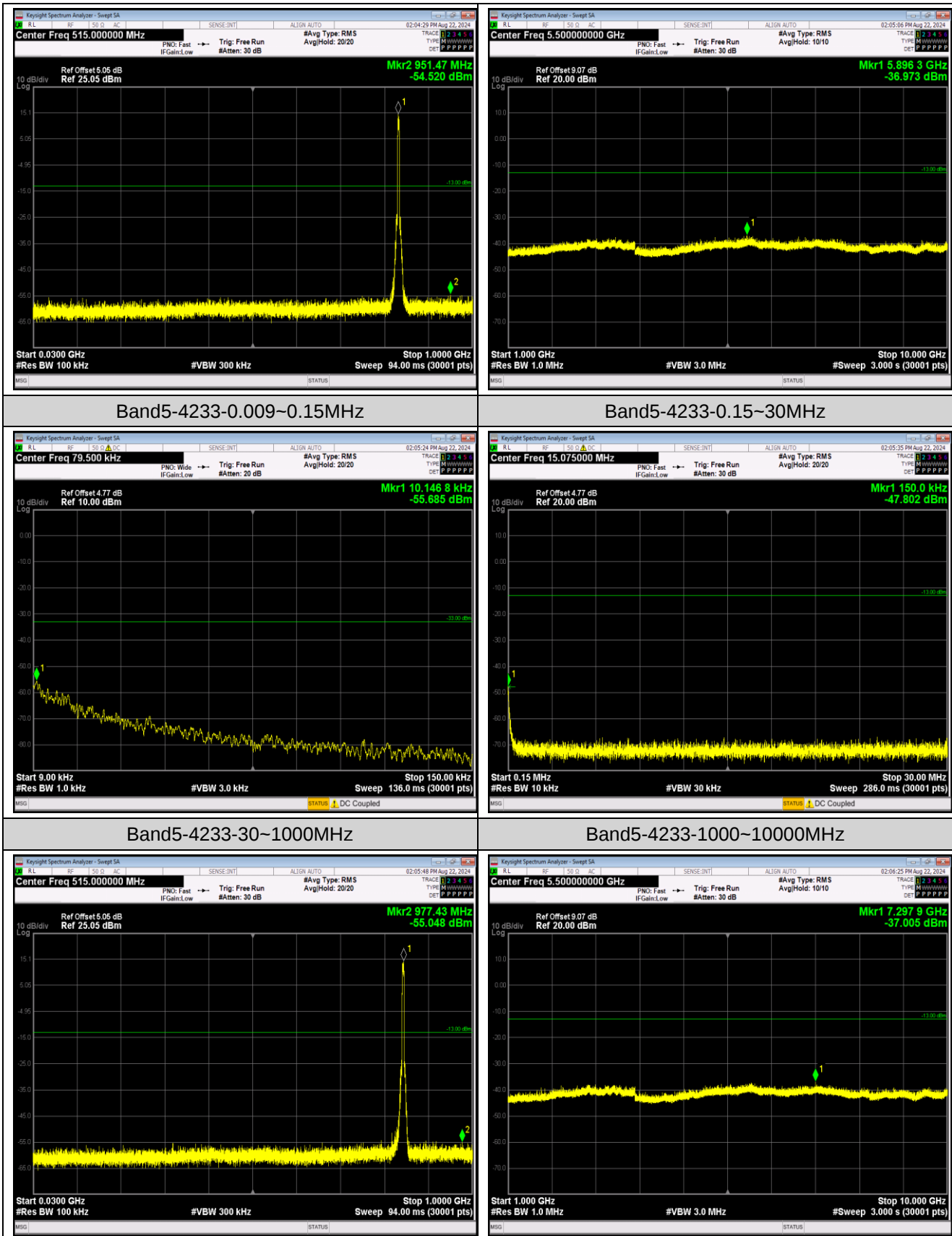
Project No.: JYTSZR2406062











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		
3.85	-30	-12.60	-0.015061	±2.5	Pass
	-20	-10.83	-0.012945		
	-10	-11.20	-0.013388		
	0	-10.69	-0.012778		
	10	-10.14	-0.012120		
	20	-12.17	-0.014547		
	30	-13.12	-0.015683		
	40	-11.13	-0.013304		
	50	-10.19	-0.012180		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-12.14	-0.014511	±2.5	Pass
	3.85	-13.30	-0.015898		
	4.40	-12.31	-0.014714		
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		
3.85	-30	-17.27	-0.009968	Within authorized band for BAND IV	Pass
	-20	-12.44	-0.007180		
	-10	-15.39	-0.008883		
	0	-16.77	-0.009679		
	10	-13.90	-0.008023		
	20	-16.95	-0.009783		
	30	-14.36	-0.008288		
	40	-16.33	-0.009425		
	50	-13.72	-0.007919		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-17.42	-0.010054	Within authorized band for BAND IV	Pass
	3.85	-18.60	-0.010735		
	4.40	-17.30	-0.009985		
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		
3.85	-30	-12.41	-0.006601	Within authorized band for BAND II	Pass
	-20	-12.97	-0.006899		
	-10	-14.20	-0.007553		
	0	-10.34	-0.005500		
	10	-9.11	-0.004846		
	20	-13.15	-0.006995		
	30	-9.73	-0.005176		
	40	-11.75	-0.006250		
	50	-11.62	-0.006181		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.56	-0.007213	Within authorized band for BAND II	Pass
	3.85	-12.32	-0.006553		
	4.40	-10.54	-0.005606		
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

