

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	22.55	21.45	33.01	PASS
Band2	TestMode	9262	22.55	21.45	33.01	PASS
Band2	TestMode	9400	22.97	21.87	33.01	PASS
Band2	Voice	9400	22.92	21.82	33.01	PASS
Band2	TestMode	9538	23.08	21.98	33.01	PASS
Band2	Voice	9538	22.97	21.87	33.01	PASS
Band4	Voice	1312	22.82	20.32	30.00	PASS
Band4	TestMode	1312	22.87	20.37	30.00	PASS
Band4	Voice	1413	22.51	20.01	30.00	PASS
Band4	TestMode	1413	22.58	20.08	30.00	PASS
Band4	TestMode	1513	22.67	20.17	30.00	PASS
Band4	Voice	1513	22.62	20.12	30.00	PASS
Band5	Voice	4132	23.23	14.66	38.45	PASS
Band5	TestMode	4132	23.30	14.73	38.45	PASS
Band5	TestMode	4183	23.28	14.71	38.45	PASS
Band5	Voice	4183	23.23	14.66	38.45	PASS
Band5	Voice	4233	23.10	14.53	38.45	PASS
Band5	TestMode	4233	23.18	14.61	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.59	21.49	33.01	PASS
Band2	9262	2	22.09	20.99	33.01	PASS
Band2	9262	3	22.04	20.94	33.01	PASS
Band2	9262	4	22.07	20.97	33.01	PASS
Band2	9400	1	23.03	21.93	33.01	PASS
Band2	9400	2	22.44	21.34	33.01	PASS
Band2	9400	3	22.42	21.32	33.01	PASS
Band2	9400	4	22.45	21.35	33.01	PASS
Band2	9538	1	23.12	22.02	33.01	PASS
Band2	9538	2	22.55	21.45	33.01	PASS
Band2	9538	3	22.59	21.49	33.01	PASS
Band2	9538	4	22.59	21.49	33.01	PASS

Band4	1312	1	22.87	20.37	30.00	PASS
Band4	1312	2	22.34	19.84	30.00	PASS
Band4	1312	3	22.35	19.85	30.00	PASS
Band4	1312	4	22.31	19.81	30.00	PASS
Band4	1413	1	22.66	20.16	30.00	PASS
Band4	1413	2	22.11	19.61	30.00	PASS
Band4	1413	3	22.08	19.58	30.00	PASS
Band4	1413	4	22.10	19.6	30.00	PASS
Band4	1513	1	22.70	20.2	30.00	PASS
Band4	1513	2	22.13	19.63	30.00	PASS
Band4	1513	3	22.18	19.68	30.00	PASS
Band4	1513	4	22.14	19.64	30.00	PASS
Band5	4132	1	23.33	14.76	38.5	PASS
Band5	4132	2	22.81	14.24	38.5	PASS
Band5	4132	3	22.80	14.23	38.5	PASS
Band5	4132	4	22.79	14.22	38.5	PASS
Band5	4183	1	23.38	14.81	38.5	PASS
Band5	4183	2	22.79	14.22	38.5	PASS
Band5	4183	3	22.81	14.24	38.5	PASS
Band5	4183	4	22.81	14.24	38.5	PASS
Band5	4233	1	23.24	14.67	38.5	PASS
Band5	4233	2	22.69	14.12	38.5	PASS
Band5	4233	3	22.71	14.14	38.5	PASS
Band5	4233	4	22.73	14.16	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.63	19.53	33.01	PASS
Band2	9262	2	21.12	20.02	33.01	PASS
Band2	9262	3	21.60	20.5	33.01	PASS
Band2	9262	4	20.68	19.58	33.01	PASS
Band2	9262	5	22.62	21.52	33.01	PASS
Band2	9400	1	21.02	19.92	33.01	PASS
Band2	9400	2	21.49	20.39	33.01	PASS
Band2	9400	3	21.99	20.89	33.01	PASS
Band2	9400	4	21.03	19.93	33.01	PASS
Band2	9400	5	22.99	21.89	33.01	PASS
Band2	9538	1	21.09	19.99	33.01	PASS
Band2	9538	2	21.59	20.49	33.01	PASS
Band2	9538	3	22.11	21.01	33.01	PASS

Band2	9538	4	21.10	20	33.01	PASS
Band2	9538	5	23.12	22.02	33.01	PASS
Band4	1312	1	20.88	18.38	30.00	PASS
Band4	1312	2	21.36	18.86	30.00	PASS
Band4	1312	3	21.84	19.34	30.00	PASS
Band4	1312	4	20.88	18.38	30.00	PASS
Band4	1312	5	22.86	20.36	30.00	PASS
Band4	1413	1	20.65	18.15	30.00	PASS
Band4	1413	2	21.15	18.65	30.00	PASS
Band4	1413	3	21.62	19.12	30.00	PASS
Band4	1413	4	20.70	18.2	30.00	PASS
Band4	1413	5	22.64	20.14	30.00	PASS
Band4	1513	1	20.70	18.2	30.00	PASS
Band4	1513	2	21.22	18.72	30.00	PASS
Band4	1513	3	21.71	19.21	30.00	PASS
Band4	1513	4	20.73	18.23	30.00	PASS
Band4	1513	5	22.67	20.17	30.00	PASS
Band5	4132	1	21.34	12.77	38.5	PASS
Band5	4132	2	21.85	13.28	38.5	PASS
Band5	4132	3	22.35	13.78	38.5	PASS
Band5	4132	4	21.35	12.78	38.5	PASS
Band5	4132	5	23.31	14.74	38.5	PASS
Band5	4183	1	21.37	12.8	38.5	PASS
Band5	4183	2	21.88	13.31	38.5	PASS
Band5	4183	3	22.37	13.8	38.5	PASS
Band5	4183	4	21.42	12.85	38.5	PASS
Band5	4183	5	23.35	14.78	38.5	PASS
Band5	4233	1	21.29	12.72	38.5	PASS
Band5	4233	2	21.74	13.17	38.5	PASS
Band5	4233	3	22.24	13.67	38.5	PASS
Band5	4233	4	21.28	12.71	38.5	PASS
Band5	4233	5	23.21	14.64	38.5	PASS

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

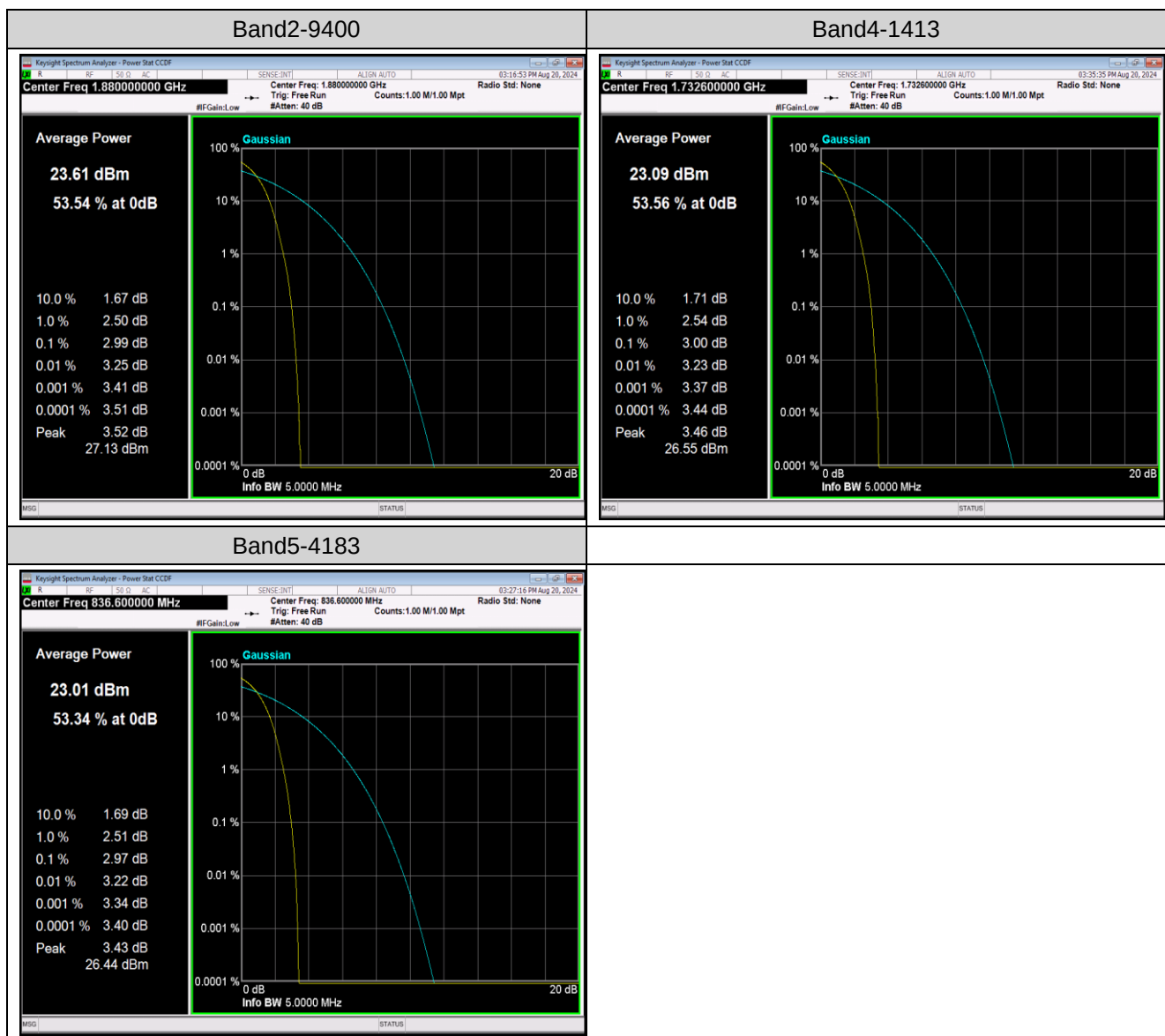
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.99	13	PASS
Band4	1413	3	13	PASS
Band5	4183	2.97	13	PASS

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

Test Graphs(WCDMA)

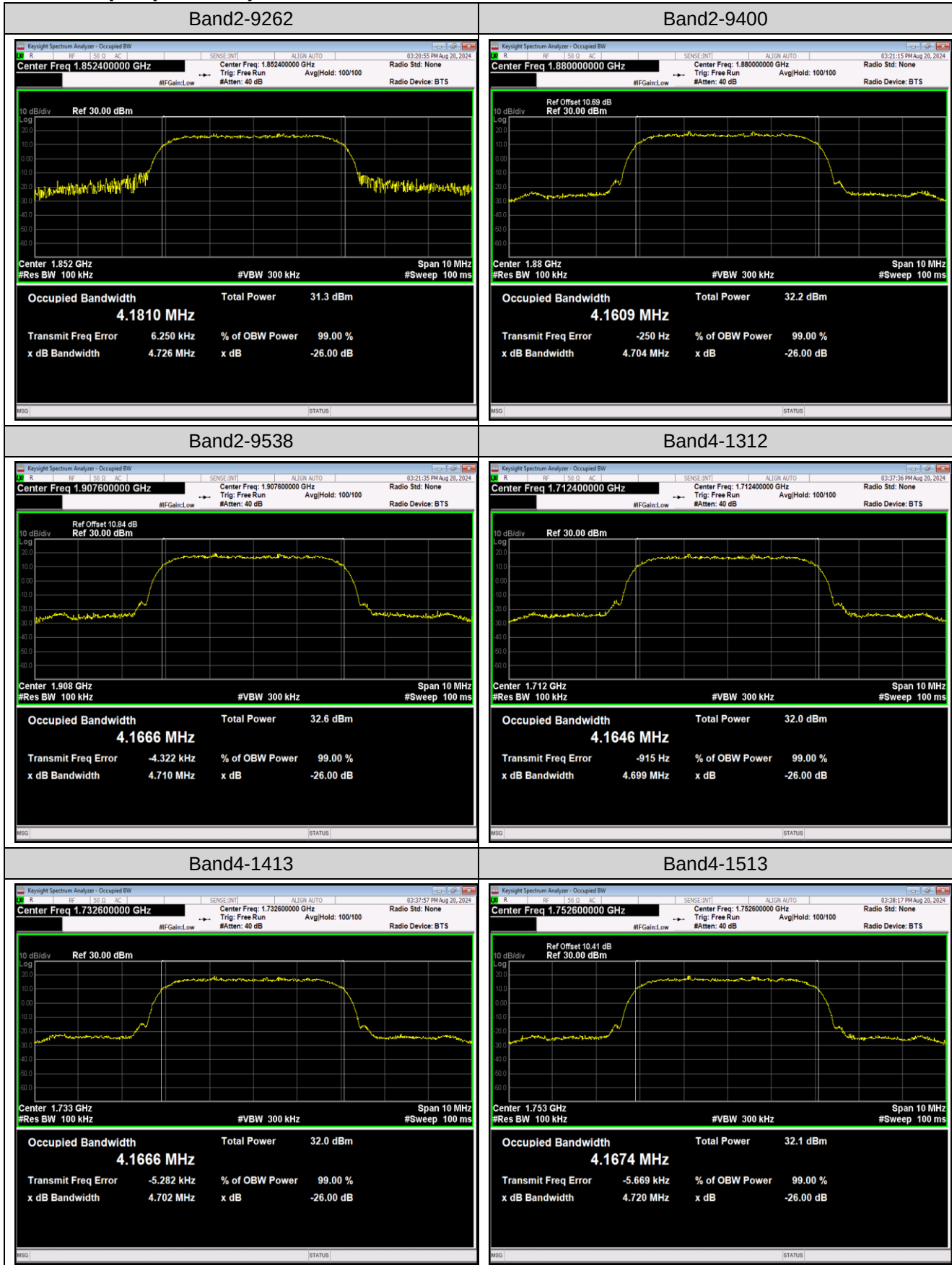


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1810	4.726	---	PASS
Band2	9400	4.1609	4.704	---	PASS
Band2	9538	4.1666	4.710	---	PASS
Band4	1312	4.1646	4.699	---	PASS
Band4	1413	4.1666	4.702	---	PASS
Band4	1513	4.1674	4.720	---	PASS
Band5	4132	4.1564	4.699	---	PASS
Band5	4183	4.1652	4.713	---	PASS
Band5	4233	4.1653	4.701	---	PASS

Test Graphs(WCDMA)



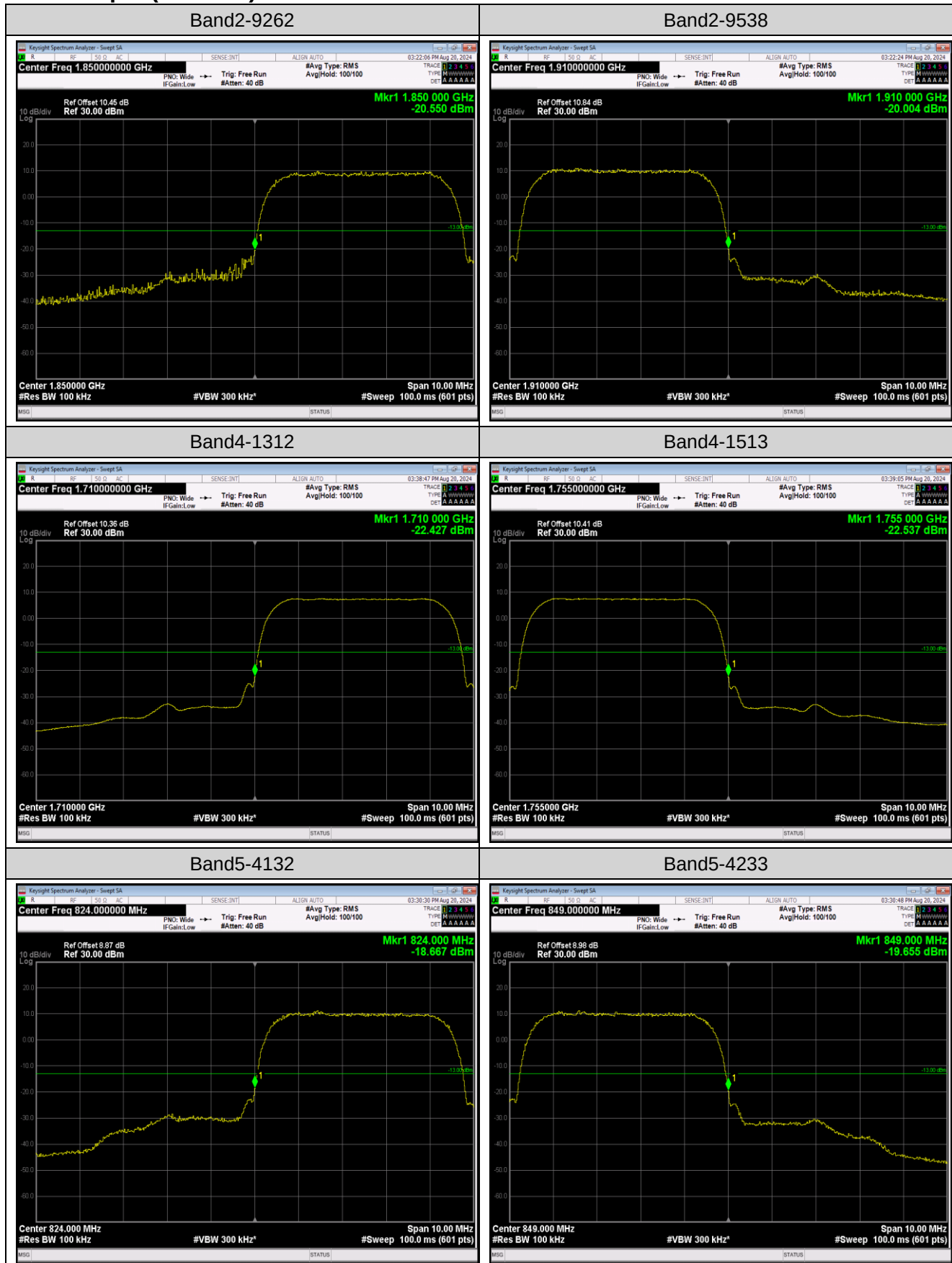


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.55	-13	PASS
Band2	9538	1910.00	-20.00	-13	PASS
Band4	1312	1710.00	-22.43	-13	PASS
Band4	1513	1755.00	-22.54	-13	PASS
Band5	4132	824.00	-18.67	-13	PASS
Band5	4233	849.00	-19.66	-13	PASS

Test Graphs(WCDMA)



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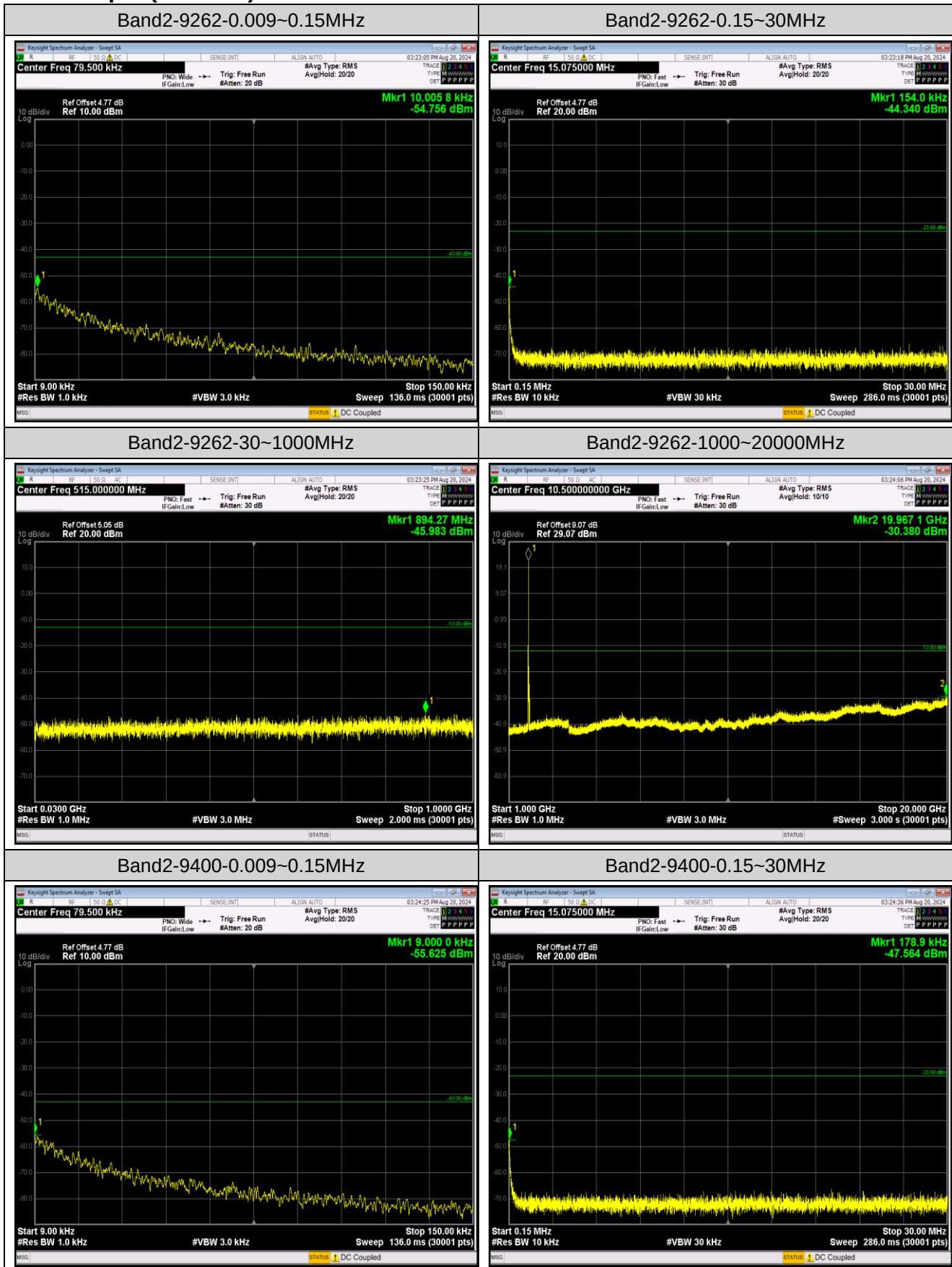
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.76	-43	PASS
Band2	9262	0.15~30MHz	0.15	-44.34	-23	PASS
Band2	9262	30~1000MHz	894.27	-45.98	-13	PASS
Band2	9262	1000~20000MHz	19967.07	-30.38	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.63	-43	PASS
Band2	9400	0.15~30MHz	0.18	-47.56	-23	PASS
Band2	9400	30~1000MHz	927.74	-45.11	-13	PASS
Band2	9400	1000~20000MHz	19953.13	-30.93	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.5	-43	PASS
Band2	9538	0.15~30MHz	0.17	-47.34	-23	PASS
Band2	9538	30~1000MHz	817.74	-44.78	-13	PASS
Band2	9538	1000~20000MHz	19882.2	-29.99	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.73	-43	PASS
Band4	1312	0.15~30MHz	0.15	-46.88	-23	PASS
Band4	1312	30~1000MHz	832.19	-44.91	-13	PASS
Band4	1312	1000~20000MHz	19884.73	-31.02	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.23	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.1	-23	PASS
Band4	1413	30~1000MHz	837.85	-45.58	-13	PASS
Band4	1413	1000~20000MHz	19962	-30.61	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.1	-43	PASS
Band4	1513	0.15~30MHz	0.15	-47.45	-23	PASS
Band4	1513	30~1000MHz	819.9	-45.19	-13	PASS
Band4	1513	1000~20000MHz	19899.3	-30.51	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.36	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.31	-13	PASS
Band5	4132	30~1000MHz	475.75	-54.62	-13	PASS
Band5	4132	1000~10000MHz	5924.8	-36.38	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.33	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.86	-13	PASS
Band5	4183	30~1000MHz	988.36	-54.92	-13	PASS
Band5	4183	1000~10000MHz	7342.3	-36.26	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-53.65	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.06	-13	PASS
Band5	4233	30~1000MHz	421.62	-55.07	-13	PASS
Band5	4233	1000~10000MHz	5965.9	-36.72	-13	PASS

Test Graphs(WCDMA)

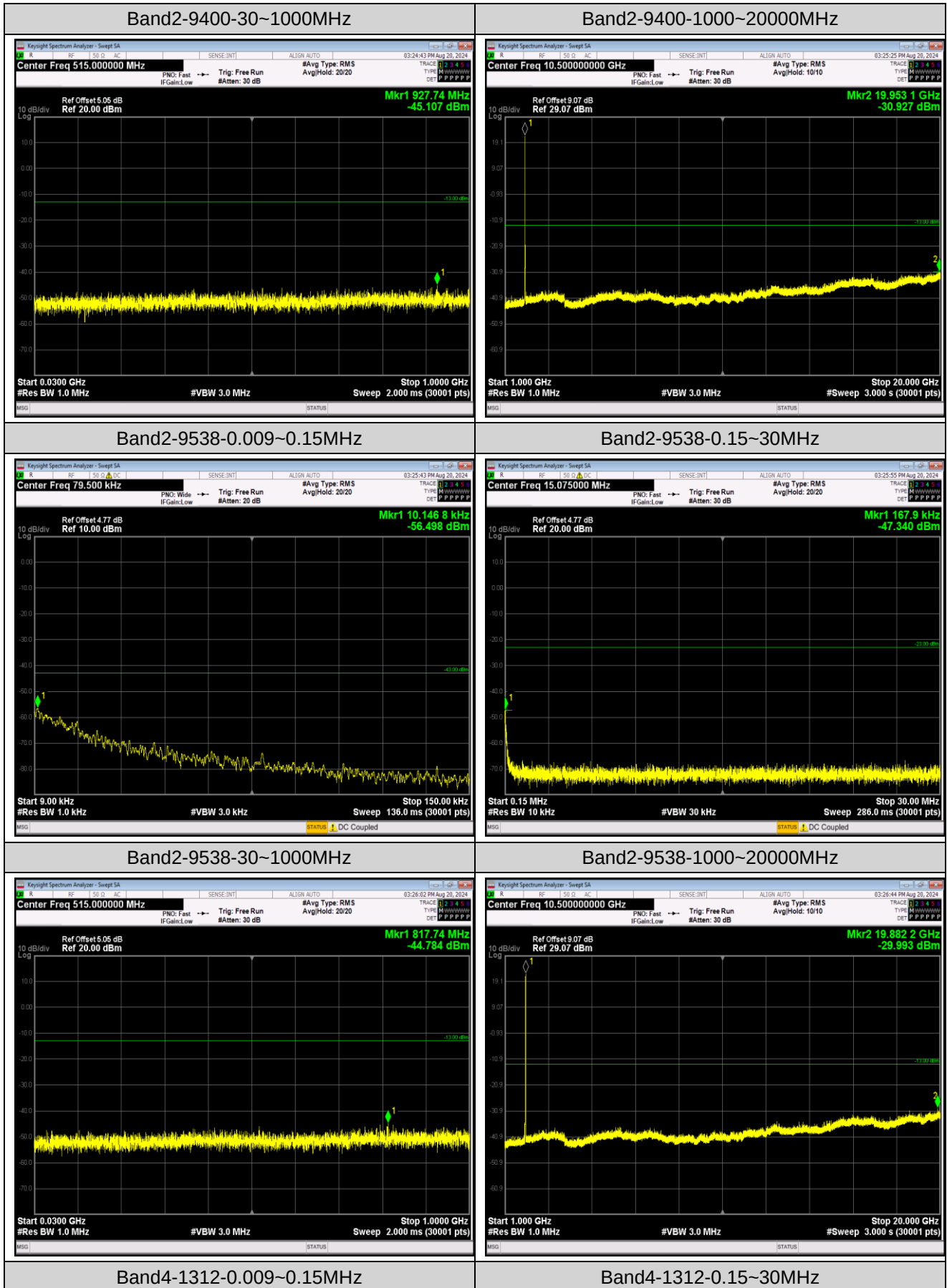


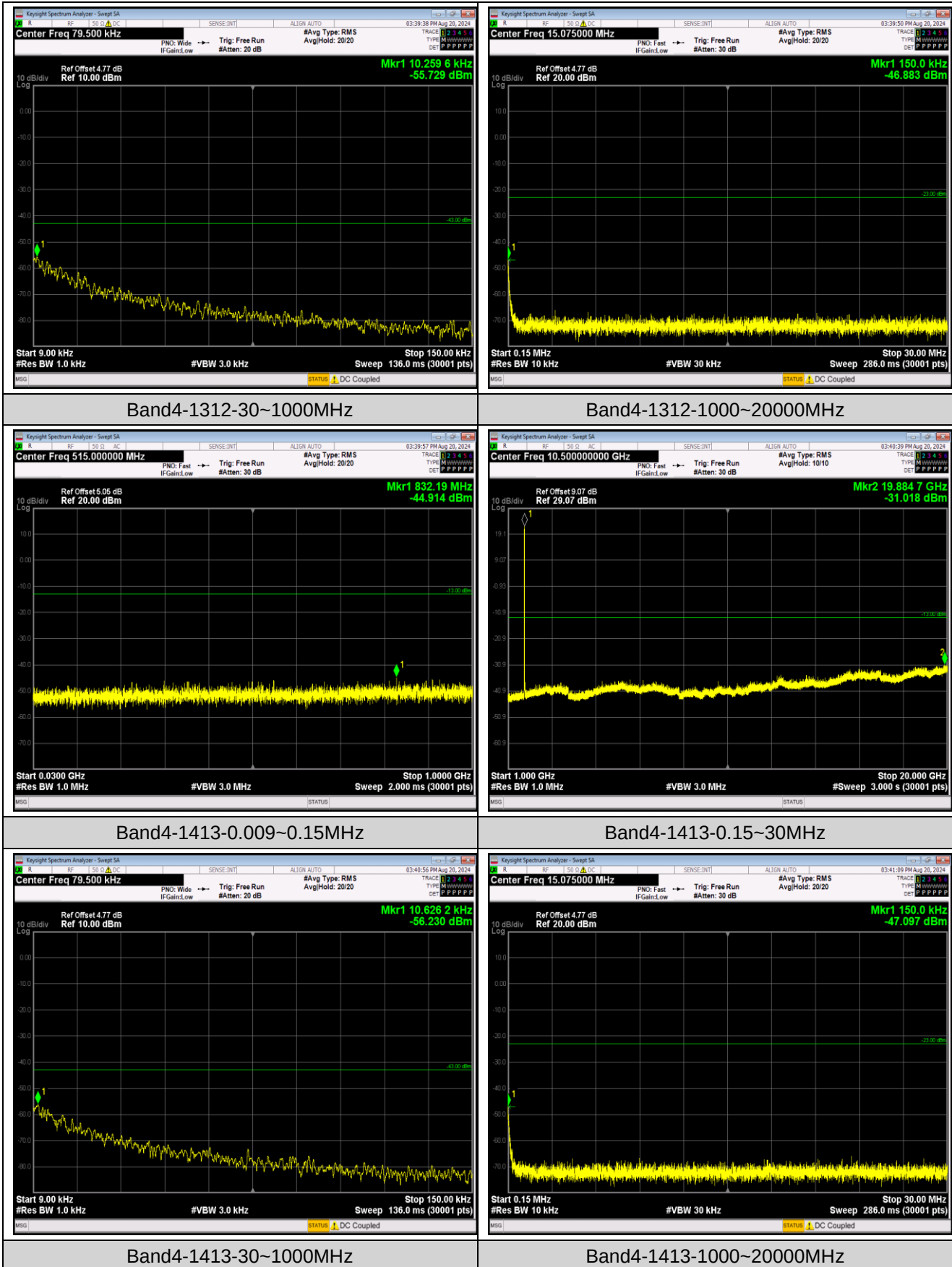
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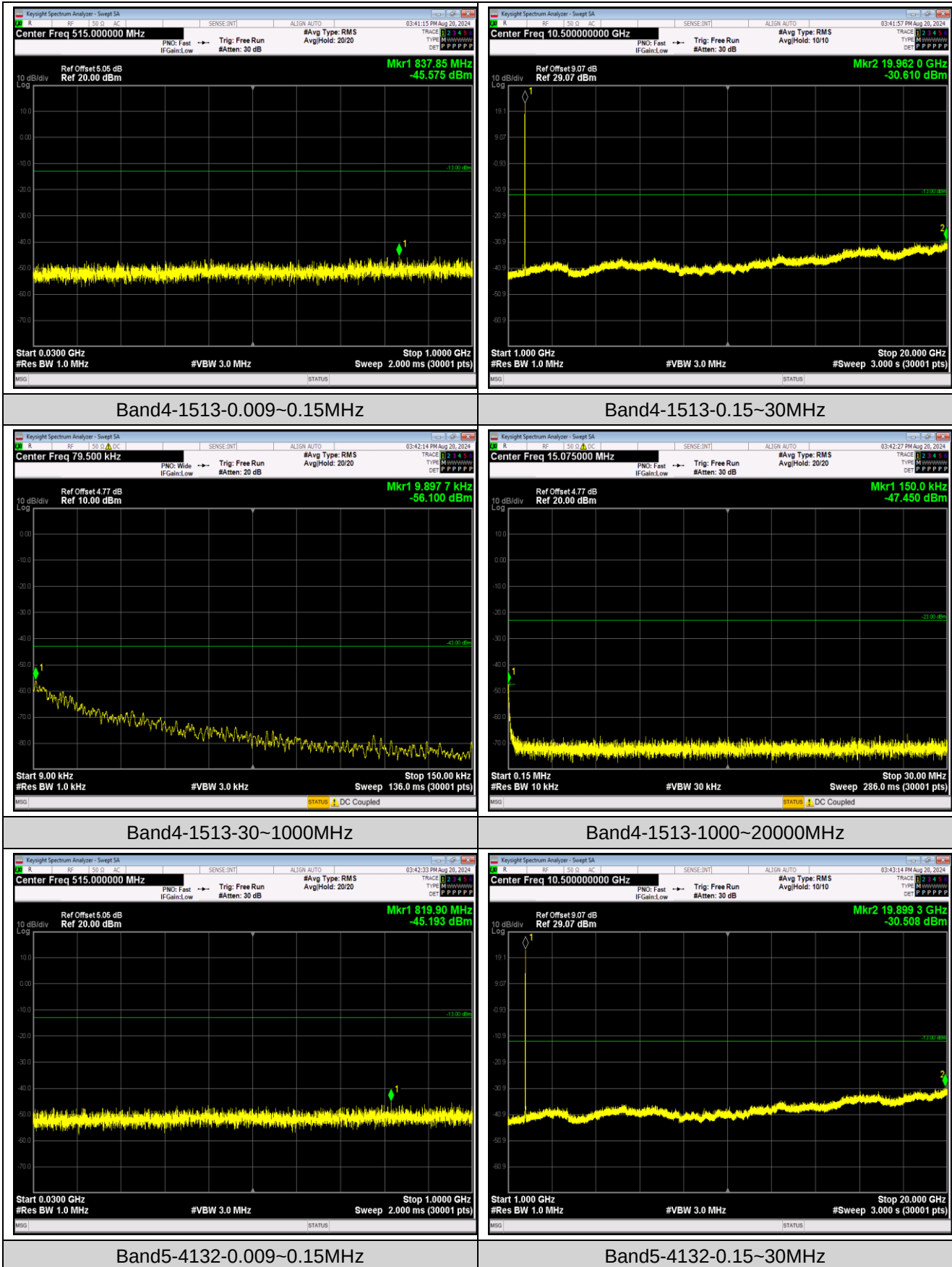
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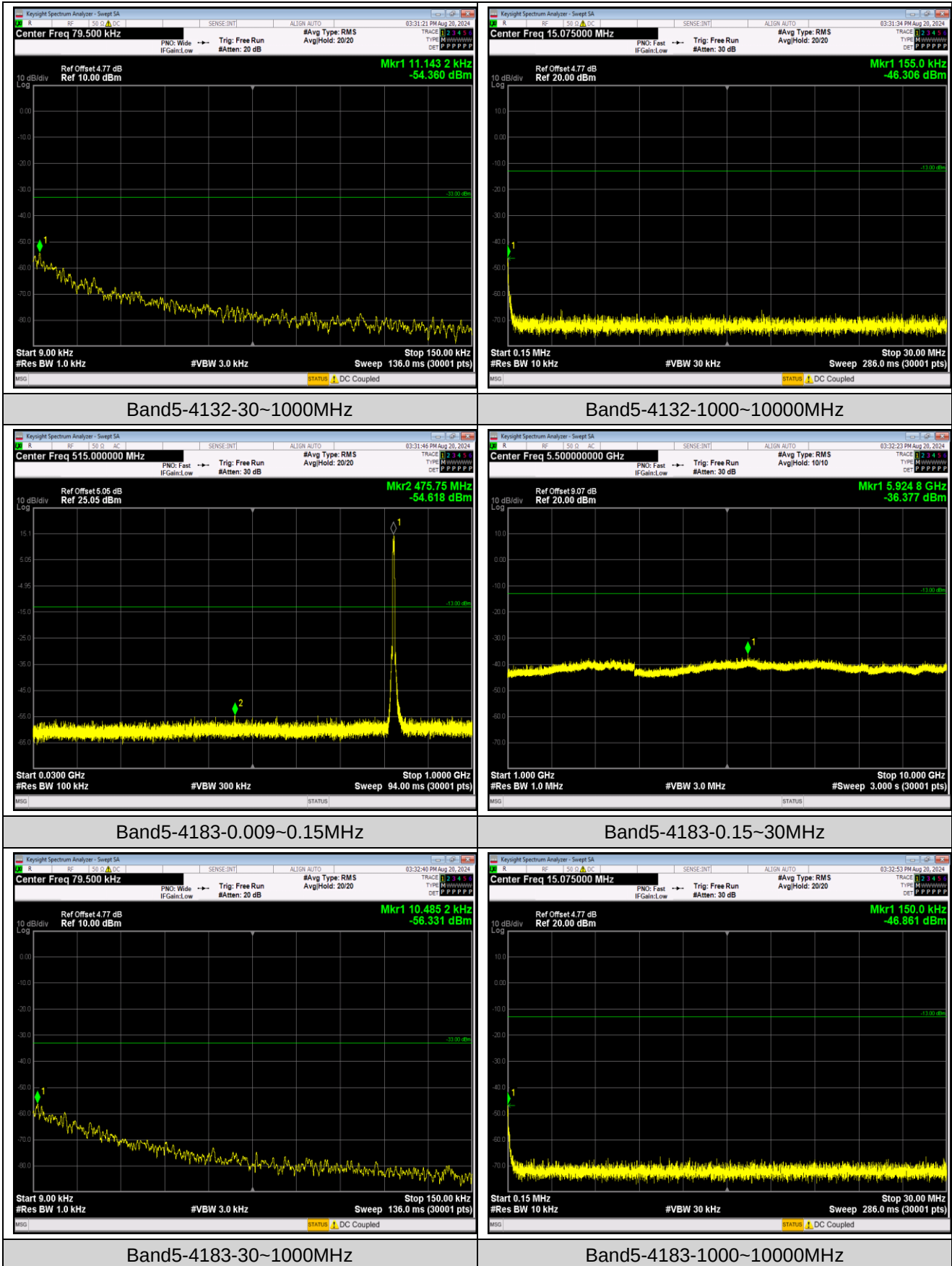
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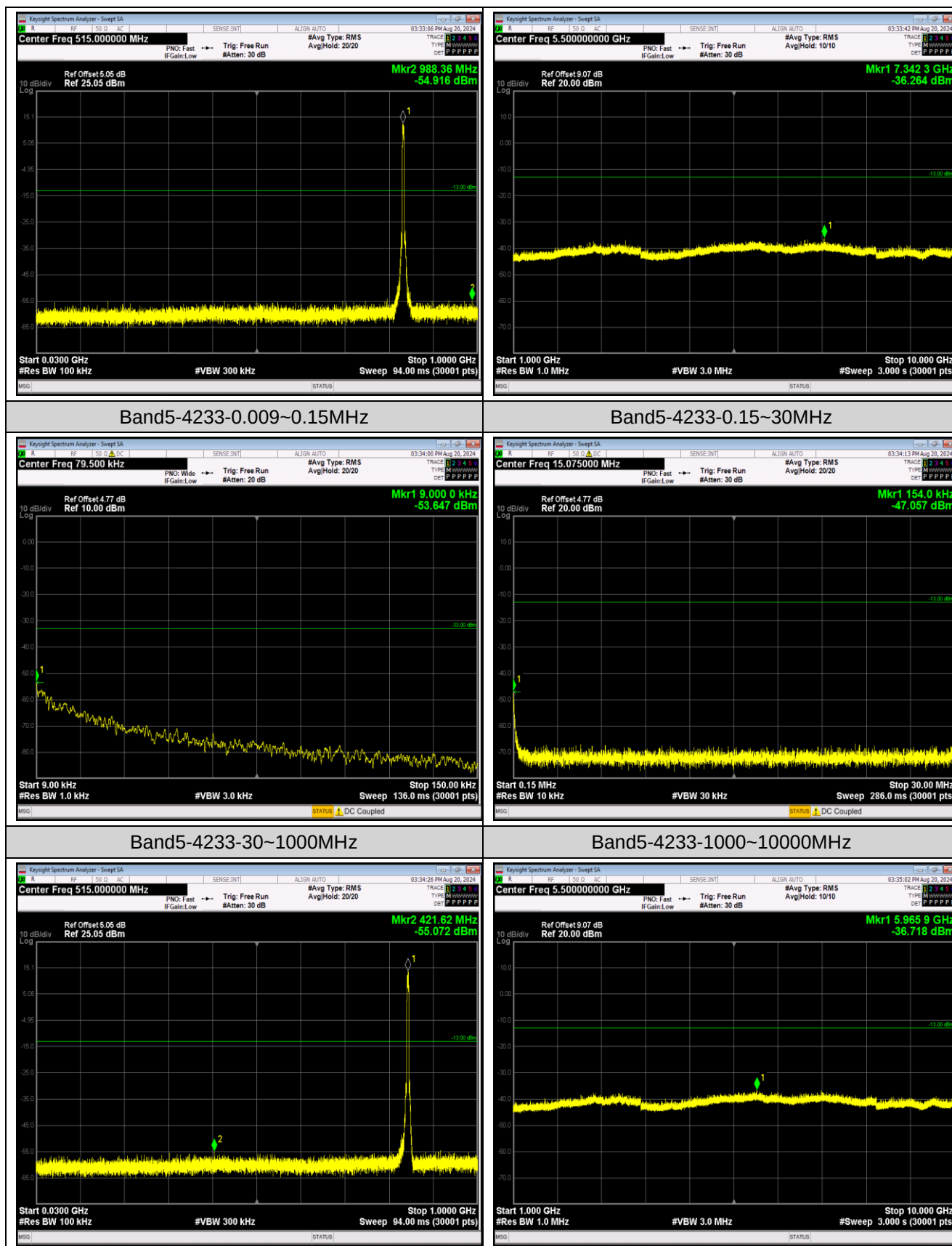
Project No.: JYTSZR2407073











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	-9.90	-0.011834	±2.5	Pass
	-20	-7.71	-0.009216		
	-10	-7.22	-0.008630		
	0	-10.81	-0.012921		
	10	-7.38	-0.008821		
	20	-9.19	-0.010985		
	30	-8.58	-0.010256		
	40	-9.94	-0.011881		
	50	-7.20	-0.008606		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-6.96	-0.008319	±2.5	Pass
	3.87	-5.96	-0.007124		
	4.45	-5.06	-0.006048		
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	-13.31	-0.007682	Within authorized band for BAND IV	Pass
	-20	-16.03	-0.009252		
	-10	-15.81	-0.009125		
	0	-11.62	-0.006707		
	10	-14.80	-0.008542		
	20	-14.31	-0.008259		
	30	-11.78	-0.006799		
	40	-9.96	-0.005749		
	50	-13.90	-0.008023		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-12.89	-0.007440	Within authorized band for BAND IV	Pass
	3.87	-10.54	-0.006083		
	4.45	-14.83	-0.008559		
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	-13.25	-0.007048	Within authorized band for BAND II	Pass
	-20	-11.88	-0.006319		
	-10	-12.73	-0.006771		
	0	-13.05	-0.006941		
	10	-11.17	-0.005941		
	20	-12.90	-0.006862		
	30	-10.66	-0.005670		
	40	-13.21	-0.007027		
	50	-13.75	-0.007314		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-14.83	-0.007888	Within authorized band for BAND II	Pass
	3.87	-15.41	-0.008197		
	4.45	-14.03	-0.007463		
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

