

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	21.73	18.87	33.01	PASS
Band2	TestMode	9262	21.73	18.87	33.01	PASS
Band2	TestMode	9400	21.92	19.06	33.01	PASS
Band2	Voice	9400	21.91	19.05	33.01	PASS
Band2	TestMode	9538	22.01	19.15	33.01	PASS
Band2	Voice	9538	22.00	19.14	33.01	PASS
Band4	Voice	1312	21.44	18.51	30.00	PASS
Band4	TestMode	1312	21.54	18.61	30.00	PASS
Band4	Voice	1413	21.88	18.95	30.00	PASS
Band4	TestMode	1413	22.02	19.09	30.00	PASS
Band4	TestMode	1513	21.81	18.88	30.00	PASS
Band4	Voice	1513	21.68	18.75	30.00	PASS
Band5	Voice	4132	22.05	13.58	38.45	PASS
Band5	TestMode	4132	22.03	13.56	38.45	PASS
Band5	TestMode	4183	22.19	13.72	38.45	PASS
Band5	Voice	4183	22.17	13.7	38.45	PASS
Band5	Voice	4233	22.16	13.69	38.45	PASS
Band5	TestMode	4233	22.14	13.67	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.03	18.17	33.01	PASS
Band2	9262	2	20.76	17.9	33.01	PASS
Band2	9262	3	20.55	17.69	33.01	PASS
Band2	9262	4	20.59	17.73	33.01	PASS
Band2	9400	1	21.41	18.55	33.01	PASS
Band2	9400	2	21.20	18.34	33.01	PASS
Band2	9400	3	21.03	18.17	33.01	PASS
Band2	9400	4	21.09	18.23	33.01	PASS
Band2	9538	1	21.32	18.46	33.01	PASS
Band2	9538	2	21.05	18.19	33.01	PASS
Band2	9538	3	20.86	18	33.01	PASS
Band2	9538	4	20.94	18.08	33.01	PASS

Band4	1312	1	21.43	18.5	30.00	PASS
Band4	1312	2	21.54	18.61	30.00	PASS
Band4	1312	3	21.51	18.58	30.00	PASS
Band4	1312	4	21.58	18.65	30.00	PASS
Band4	1413	1	21.22	18.29	30.00	PASS
Band4	1413	2	21.39	18.46	30.00	PASS
Band4	1413	3	21.39	18.46	30.00	PASS
Band4	1413	4	21.45	18.52	30.00	PASS
Band4	1513	1	21.13	18.2	30.00	PASS
Band4	1513	2	21.28	18.35	30.00	PASS
Band4	1513	3	21.24	18.31	30.00	PASS
Band4	1513	4	21.35	18.42	30.00	PASS
Band5	4132	1	21.33	12.86	38.5	PASS
Band5	4132	2	21.10	12.63	38.5	PASS
Band5	4132	3	20.58	12.11	38.5	PASS
Band5	4132	4	20.60	12.13	38.5	PASS
Band5	4183	1	21.48	13.01	38.5	PASS
Band5	4183	2	21.37	12.9	38.5	PASS
Band5	4183	3	20.78	12.31	38.5	PASS
Band5	4183	4	20.78	12.31	38.5	PASS
Band5	4233	1	21.41	12.94	38.5	PASS
Band5	4233	2	21.14	12.67	38.5	PASS
Band5	4233	3	20.82	12.35	38.5	PASS
Band5	4233	4	20.81	12.34	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	18.67	15.81	33.01	PASS
Band2	9262	2	19.43	16.57	33.01	PASS
Band2	9262	3	19.16	16.3	33.01	PASS
Band2	9262	4	19.52	16.66	33.01	PASS
Band2	9262	5	21.13	18.27	33.01	PASS
Band2	9400	1	19.33	16.47	33.01	PASS
Band2	9400	2	19.82	16.96	33.01	PASS
Band2	9400	3	19.56	16.7	33.01	PASS
Band2	9400	4	19.89	17.03	33.01	PASS
Band2	9400	5	21.51	18.65	33.01	PASS
Band2	9538	1	19.38	16.52	33.01	PASS
Band2	9538	2	19.88	17.02	33.01	PASS
Band2	9538	3	19.65	16.79	33.01	PASS

Band2	9538	4	19.96	17.1	33.01	PASS
Band2	9538	5	21.42	18.56	33.01	PASS
Band4	1312	1	21.21	18.28	30.00	PASS
Band4	1312	2	21.46	18.53	30.00	PASS
Band4	1312	3	21.23	18.3	30.00	PASS
Band4	1312	4	21.45	18.52	30.00	PASS
Band4	1312	5	21.62	18.69	30.00	PASS
Band4	1413	1	21.33	18.4	30.00	PASS
Band4	1413	2	21.41	18.48	30.00	PASS
Band4	1413	3	21.00	18.07	30.00	PASS
Band4	1413	4	21.47	18.54	30.00	PASS
Band4	1413	5	21.47	18.54	30.00	PASS
Band4	1513	1	21.25	18.32	30.00	PASS
Band4	1513	2	21.39	18.46	30.00	PASS
Band4	1513	3	21.18	18.25	30.00	PASS
Band4	1513	4	21.48	18.55	30.00	PASS
Band4	1513	5	21.39	18.46	30.00	PASS
Band5	4132	1	19.36	10.89	38.5	PASS
Band5	4132	2	19.55	11.08	38.5	PASS
Band5	4132	3	19.28	10.81	38.5	PASS
Band5	4132	4	19.08	10.61	38.5	PASS
Band5	4132	5	21.46	12.99	38.5	PASS
Band5	4183	1	19.71	11.24	38.5	PASS
Band5	4183	2	19.85	11.38	38.5	PASS
Band5	4183	3	19.61	11.14	38.5	PASS
Band5	4183	4	19.39	10.92	38.5	PASS
Band5	4183	5	21.70	13.23	38.5	PASS
Band5	4233	1	19.77	11.3	38.5	PASS
Band5	4233	2	19.88	11.41	38.5	PASS
Band5	4233	3	19.61	11.14	38.5	PASS
Band5	4233	4	19.41	10.94	38.5	PASS
Band5	4233	5	21.74	13.27	38.5	PASS

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

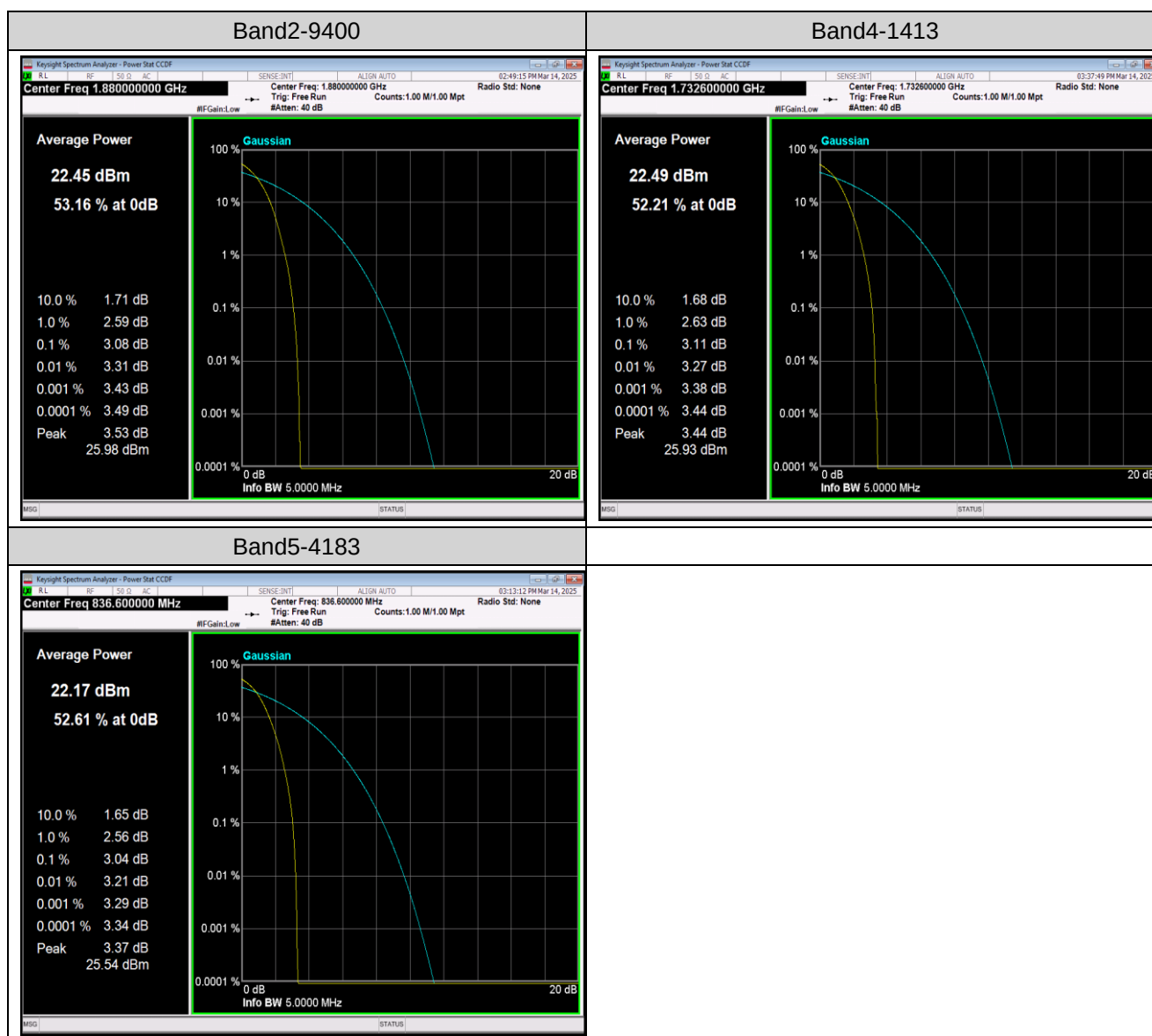
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.08	13	PASS
Band4	1413	3.11	13	PASS
Band5	4183	3.04	13	PASS

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

Test Graphs(WCDMA)

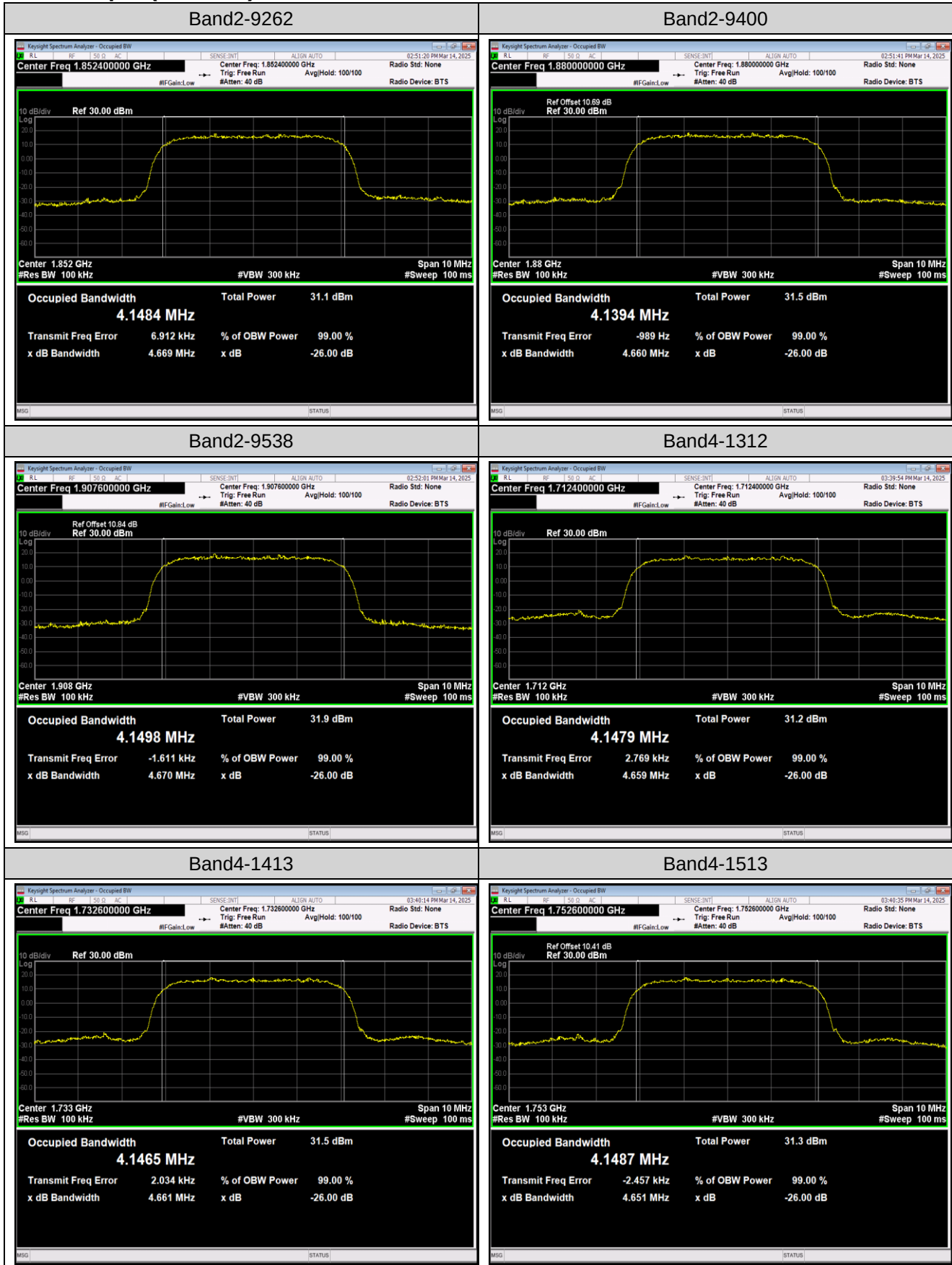


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1484	4.669	---	PASS
Band2	9400	4.1394	4.660	---	PASS
Band2	9538	4.1498	4.670	---	PASS
Band4	1312	4.1479	4.659	---	PASS
Band4	1413	4.1465	4.661	---	PASS
Band4	1513	4.1487	4.651	---	PASS
Band5	4132	4.1474	4.664	---	PASS
Band5	4183	4.1494	4.662	---	PASS
Band5	4233	4.1423	4.658	---	PASS

Test Graphs(WCDMA)



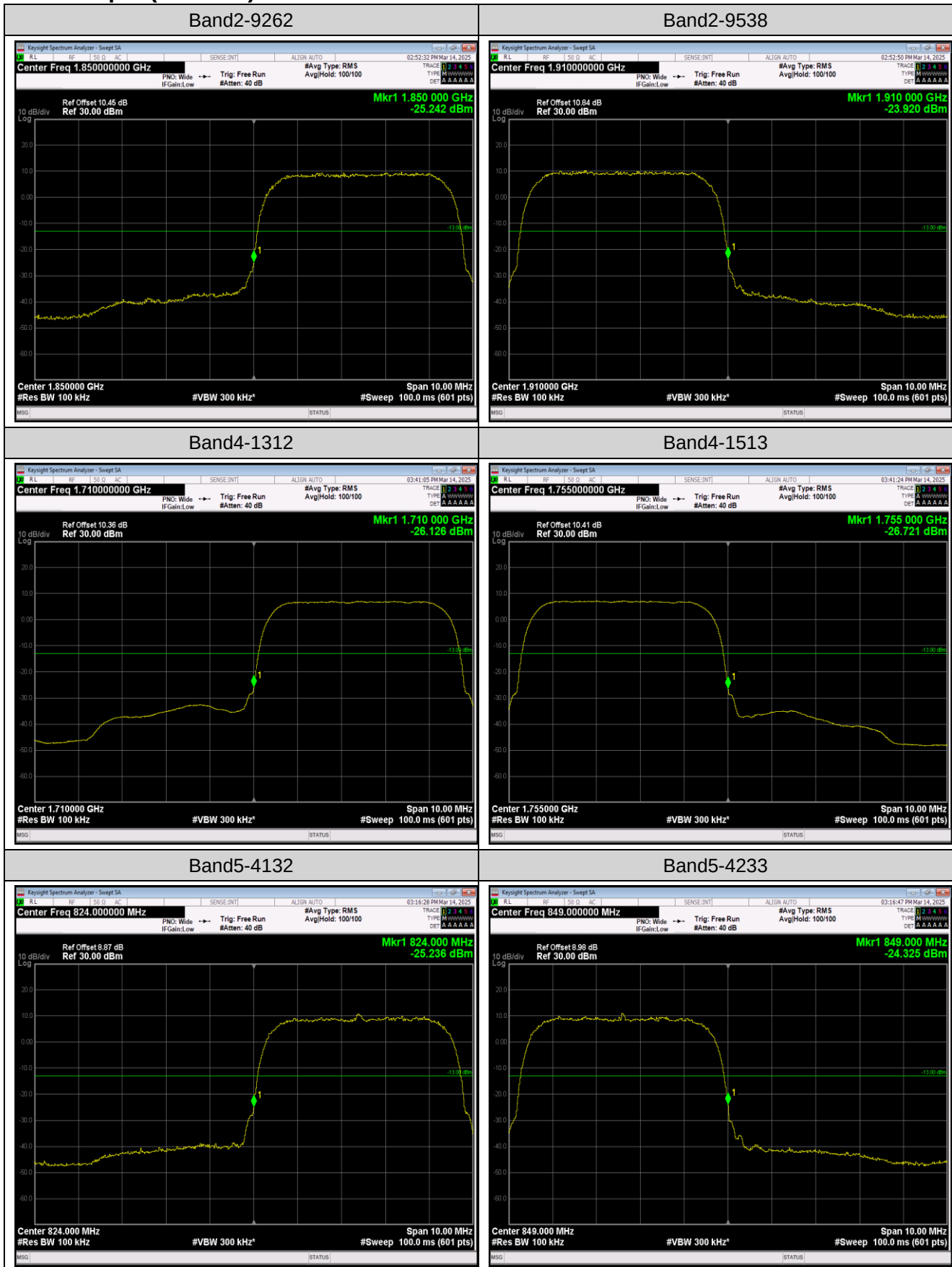


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-25.24	-13	PASS
Band2	9538	1910.00	-23.92	-13	PASS
Band4	1312	1710.00	-26.13	-13	PASS
Band4	1513	1755.00	-26.72	-13	PASS
Band5	4132	824.00	-25.24	-13	PASS
Band5	4233	849.00	-24.32	-13	PASS

Test Graphs(WCDMA)



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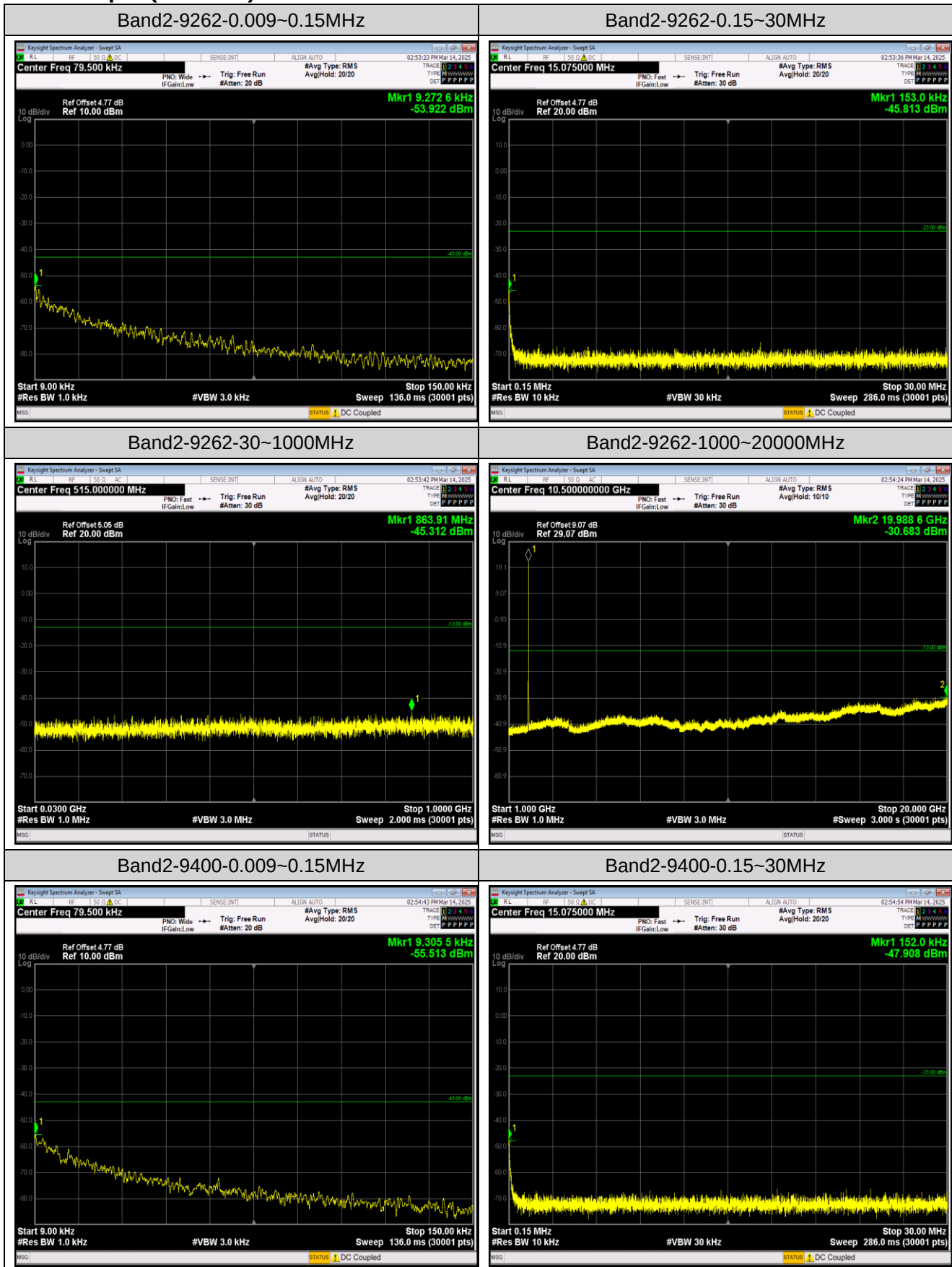
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-53.92	-43	PASS
Band2	9262	0.15~30MHz	0.15	-45.81	-23	PASS
Band2	9262	30~1000MHz	863.91	-45.31	-13	PASS
Band2	9262	1000~20000MHz	19988.6	-30.68	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.51	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.91	-23	PASS
Band2	9400	30~1000MHz	913.8	-45.65	-13	PASS
Band2	9400	1000~20000MHz	19905.63	-30.8	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.55	-43	PASS
Band2	9538	0.15~30MHz	0.15	-46.14	-23	PASS
Band2	9538	30~1000MHz	818.38	-45.57	-13	PASS
Band2	9538	1000~20000MHz	19944.9	-29.69	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-54.3	-43	PASS
Band4	1312	0.15~30MHz	0.17	-45.81	-23	PASS
Band4	1312	30~1000MHz	986.26	-45.03	-13	PASS
Band4	1312	1000~20000MHz	19989.23	-30.78	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.78	-43	PASS
Band4	1413	0.15~30MHz	0.17	-46.7	-23	PASS
Band4	1413	30~1000MHz	934.75	-45.31	-13	PASS
Band4	1413	1000~20000MHz	19970.23	-30.74	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-54.05	-43	PASS
Band4	1513	0.15~30MHz	0.17	-45.04	-23	PASS
Band4	1513	30~1000MHz	772.5	-45.81	-13	PASS
Band4	1513	1000~20000MHz	19917.03	-29.87	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.31	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.8	-13	PASS
Band5	4132	30~1000MHz	526.25	-54.77	-13	PASS
Band5	4132	1000~10000MHz	5878.6	-36.73	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.42	-33	PASS
Band5	4183	0.15~30MHz	0.16	-46.49	-13	PASS
Band5	4183	30~1000MHz	310.27	-54.68	-13	PASS
Band5	4183	1000~10000MHz	5895.4	-36.64	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.71	-33	PASS
Band5	4233	0.15~30MHz	0.15	-45.62	-13	PASS
Band5	4233	30~1000MHz	954.38	-54.86	-13	PASS
Band5	4233	1000~10000MHz	5431	-36.54	-13	PASS

Test Graphs(WCDMA)

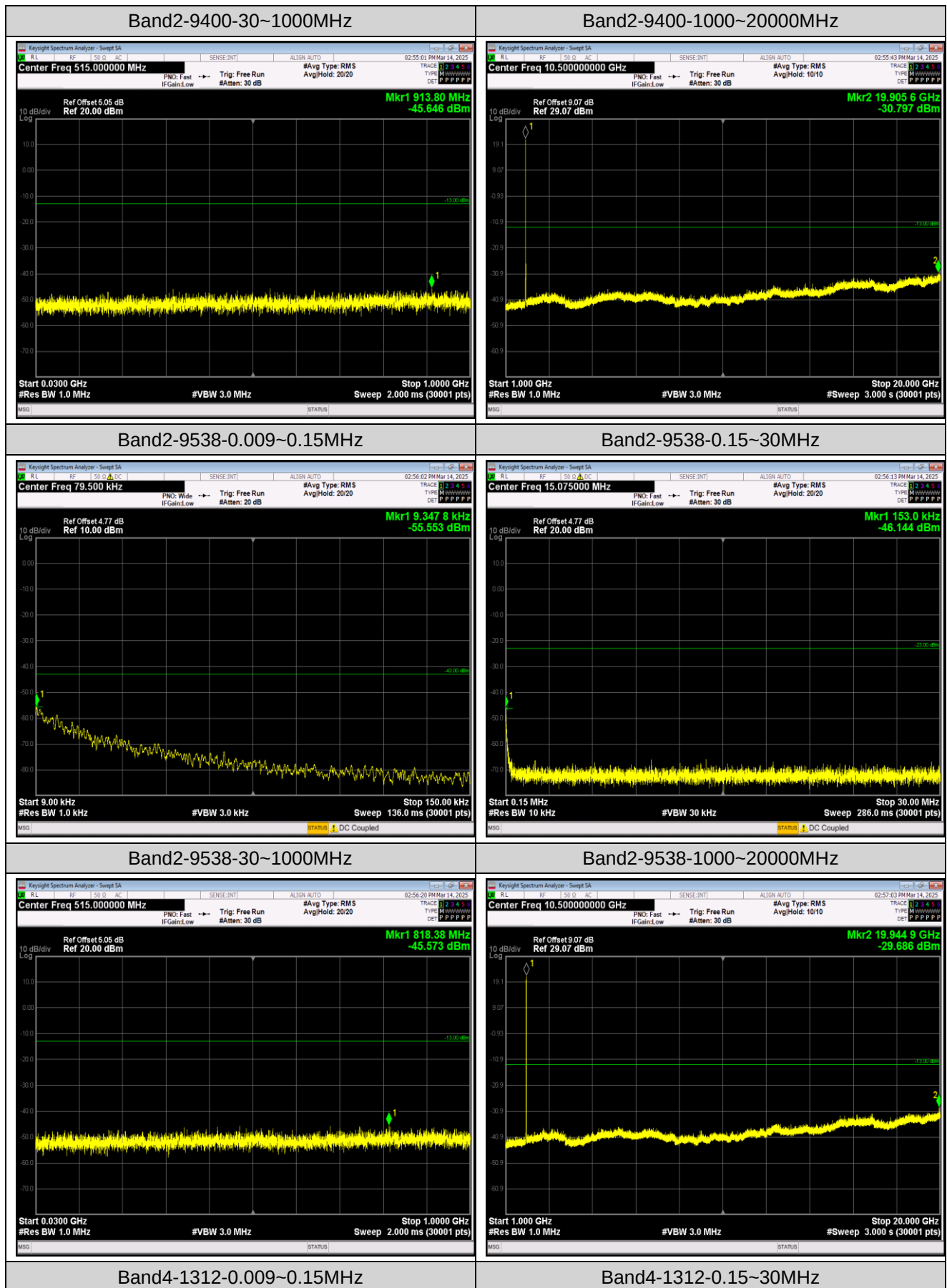


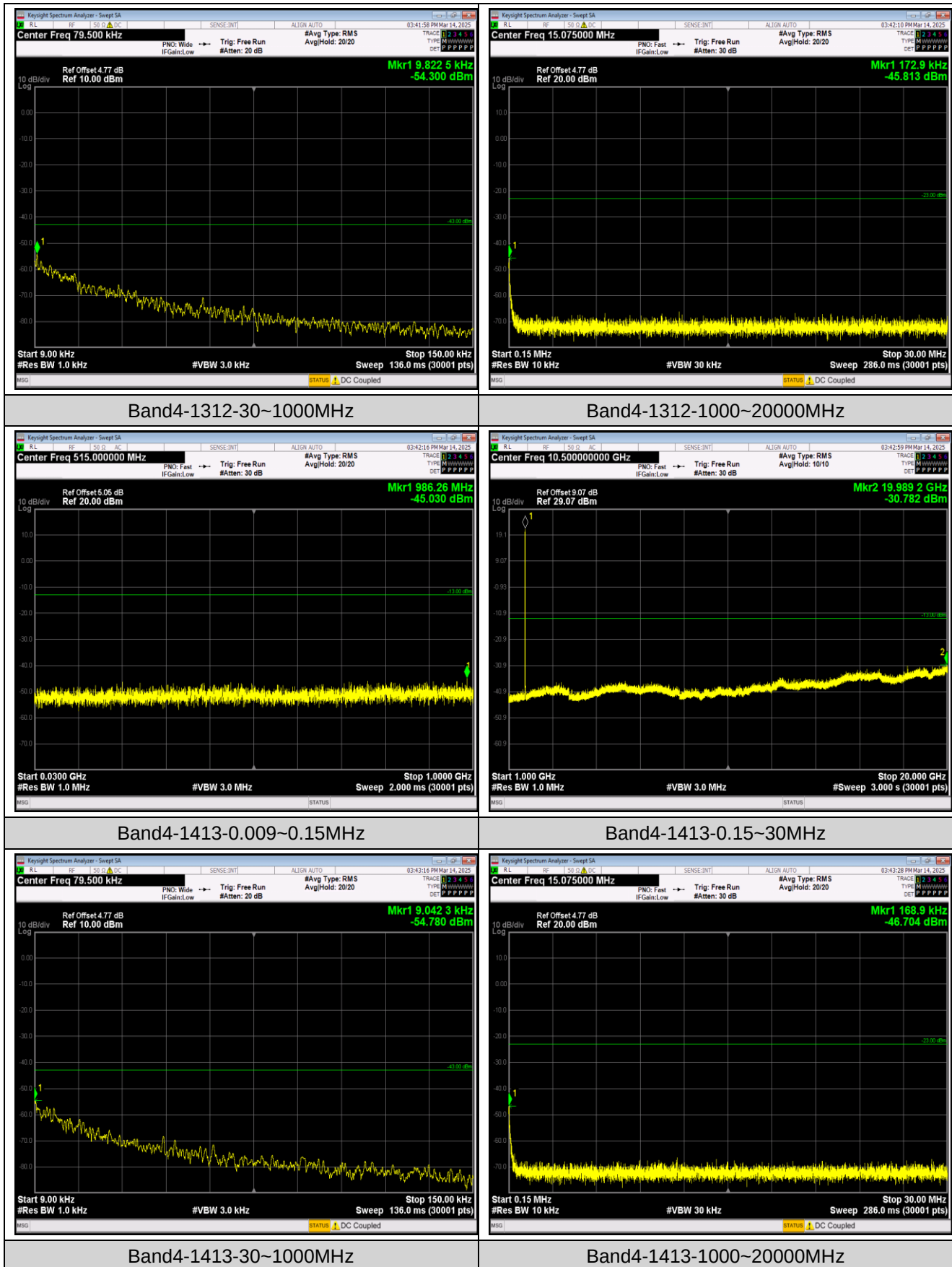
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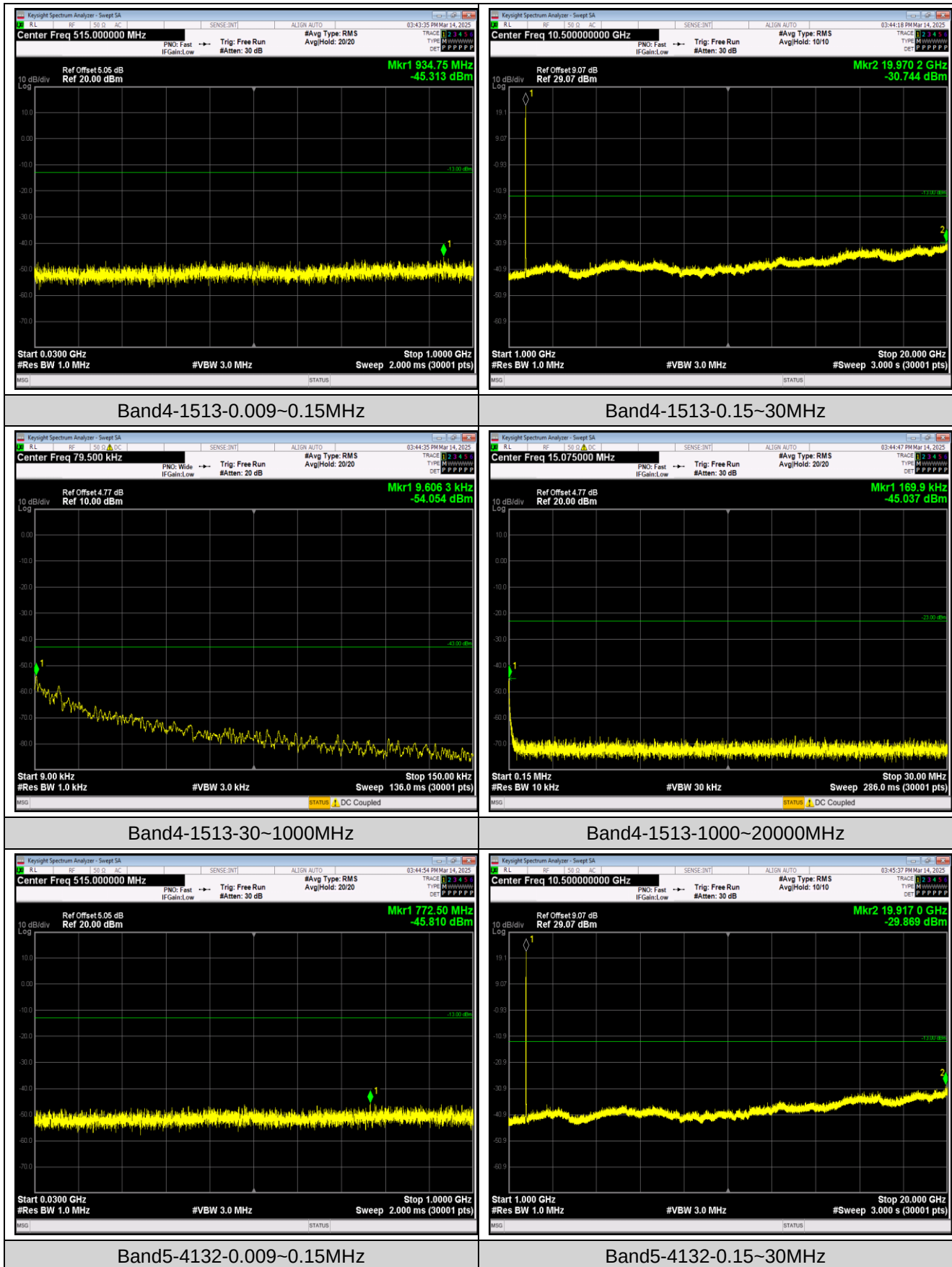
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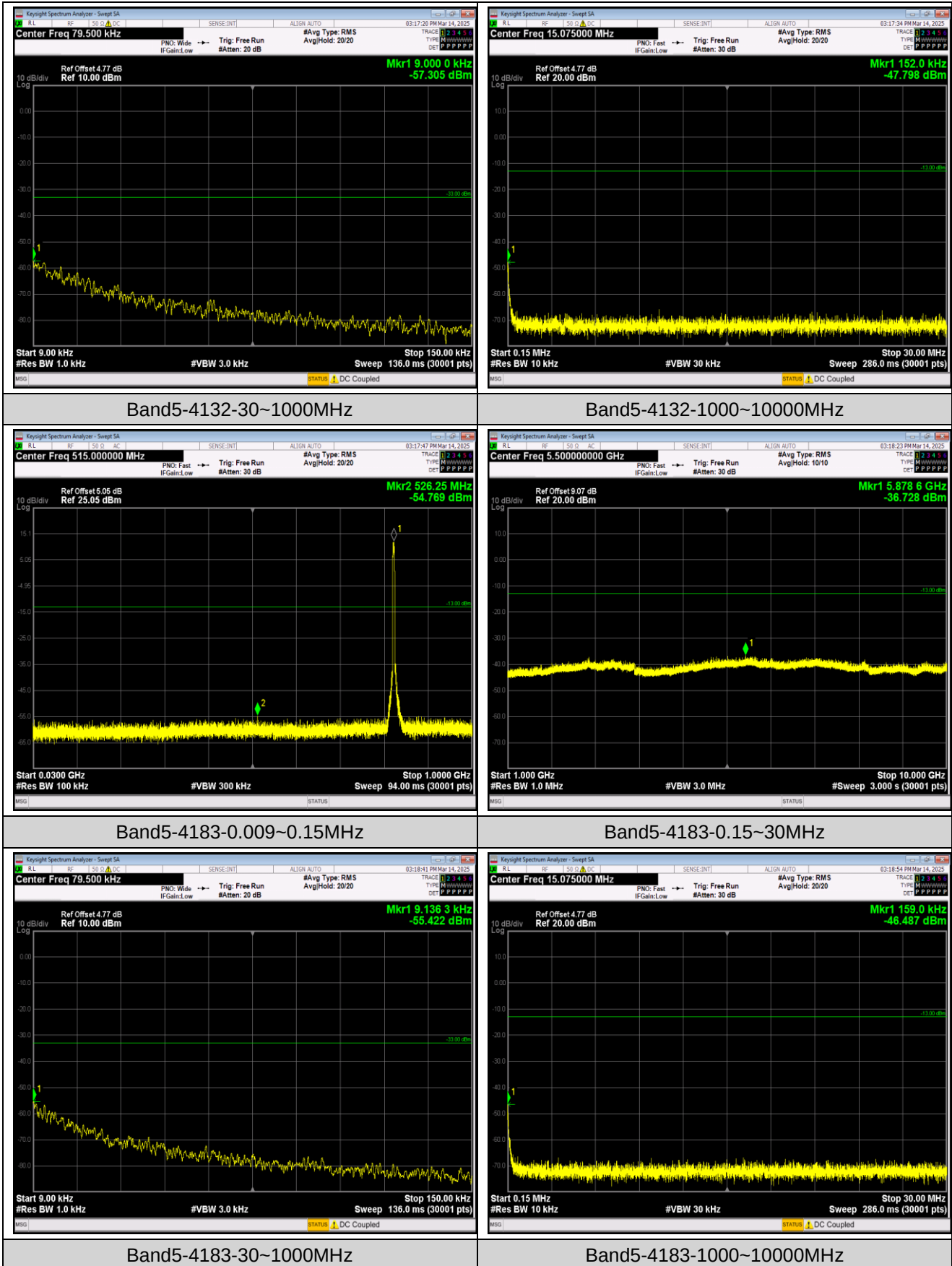
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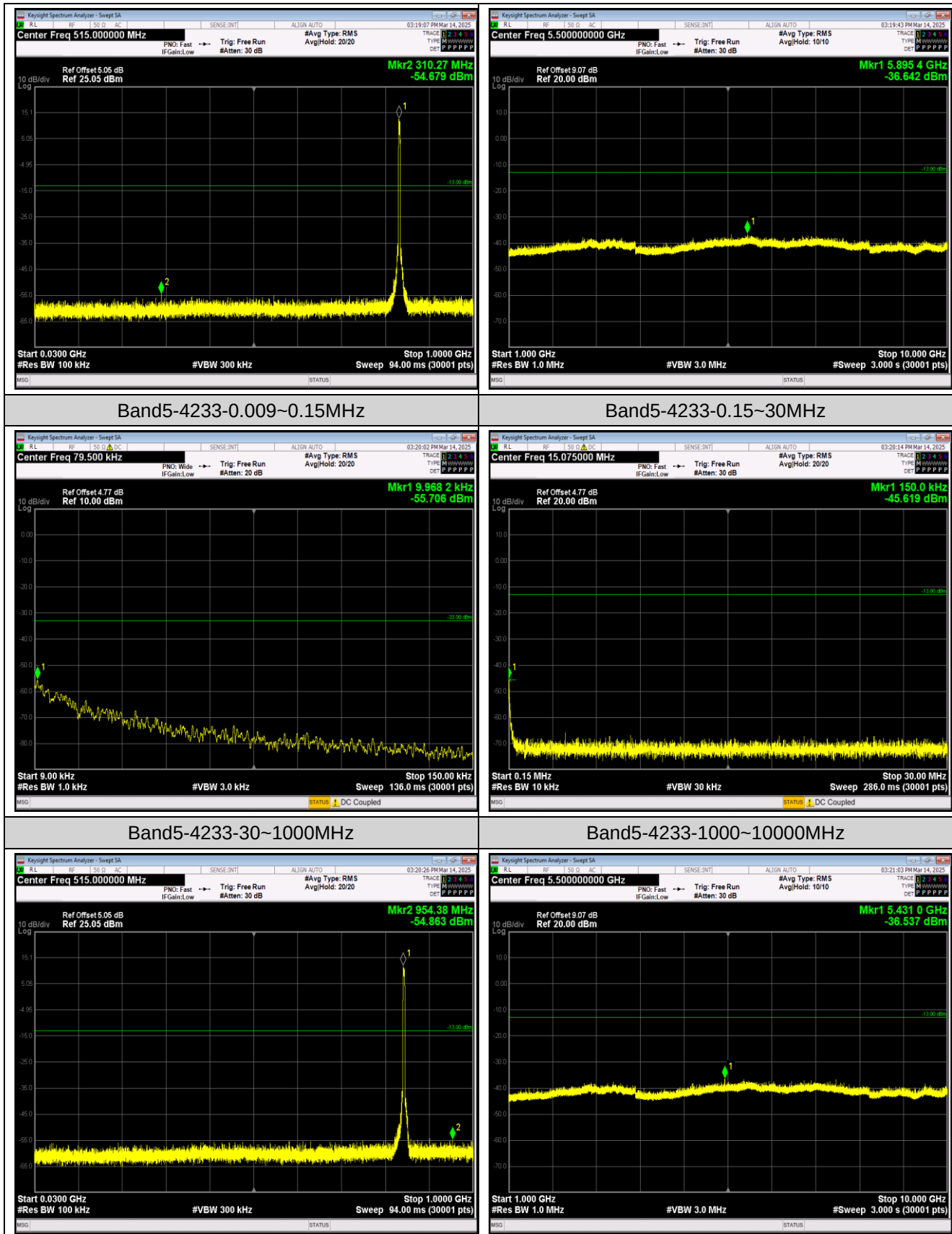
Project No.: JYTSZR2503040











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		
3.91	-30	-0.41	-0.000490	±2.5	Pass
	-20	-2.11	-0.002522		
	-10	0.41	0.000490		
	0	-1.94	-0.002319		
	10	0.53	0.000634		
	20	-0.94	-0.001124		
	30	1.41	0.001685		
	40	-0.01	-0.000012		
	50	2.26	0.002701		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	0.69	0.000825	±2.5	Pass
	3.91	-1.10	-0.001315		
	4.51	-0.31	-0.000371		
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		
3.91	-30	-7.38	-0.004259	Within authorized band for BAND IV	Pass
	-20	-2.21	-0.001276		
	-10	-4.27	-0.002465		
	0	-10.96	-0.006326		
	10	7.19	0.004150		
	20	5.68	0.003278		
	30	-3.40	-0.001962		
	40	1.82	0.001050		
	50	-1.14	-0.000658		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.82	-0.001050	Within authorized band for BAND IV	Pass
	3.91	4.48	0.002586		
	4.51	4.19	0.002418		
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		
3.91	-30	-1.49	-0.000793	Within authorized band for BAND II	Pass
	-20	-2.12	-0.001128		
	-10	-0.07	-0.000037		
	0	1.61	0.000856		
	10	-7.02	-0.003734		
	20	-5.74	-0.003053		
	30	-2.04	-0.001085		
	40	-0.03	-0.000016		
	50	7.16	0.003809		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	1.67	0.000888	Within authorized band for BAND II	Pass
	3.91	-3.52	-0.001872		
	4.51	1.14	0.000606		
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

