

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	22.59	23.09	33.01	PASS
Band2	TestMode	9262	22.66	23.16	33.01	PASS
Band2	TestMode	9400	22.77	23.27	33.01	PASS
Band2	Voice	9400	22.73	23.23	33.01	PASS
Band2	TestMode	9538	22.84	23.34	33.01	PASS
Band2	Voice	9538	22.80	23.3	33.01	PASS
Band4	Voice	1312	22.47	22.97	30.00	PASS
Band4	TestMode	1312	22.54	23.04	30.00	PASS
Band4	Voice	1413	22.62	23.12	30.00	PASS
Band4	TestMode	1413	22.70	23.2	30.00	PASS
Band4	TestMode	1513	22.61	23.11	30.00	PASS
Band4	Voice	1513	22.56	23.06	30.00	PASS
Band5	Voice	4132	23.05	21.4	38.45	PASS
Band5	TestMode	4132	23.01	20.66	38.45	PASS
Band5	TestMode	4183	23.05	20.7	38.45	PASS
Band5	Voice	4183	23.07	20.72	38.45	PASS
Band5	Voice	4233	23.08	20.73	38.45	PASS
Band5	TestMode	4233	23.07	20.72	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.95	22.45	33.01	PASS
Band2	9262	2	21.86	22.36	33.01	PASS
Band2	9262	3	20.60	21.1	33.01	PASS
Band2	9262	4	20.81	21.31	33.01	PASS
Band2	9400	1	22.25	22.75	33.01	PASS
Band2	9400	2	22.13	22.63	33.01	PASS
Band2	9400	3	21.01	21.51	33.01	PASS
Band2	9400	4	21.20	21.7	33.01	PASS
Band2	9538	1	22.66	23.16	33.01	PASS
Band2	9538	2	22.40	22.9	33.01	PASS
Band2	9538	3	21.26	21.76	33.01	PASS
Band2	9538	4	21.42	21.92	33.01	PASS

Band4	1312	1	20.90	21.4	30.00	PASS
Band4	1312	2	21.10	21.6	30.00	PASS
Band4	1312	3	21.08	21.58	30.00	PASS
Band4	1312	4	21.12	21.62	30.00	PASS
Band4	1413	1	20.71	21.21	30.00	PASS
Band4	1413	2	20.84	21.34	30.00	PASS
Band4	1413	3	20.80	21.3	30.00	PASS
Band4	1413	4	21.31	21.81	30.00	PASS
Band4	1513	1	20.67	21.17	30.00	PASS
Band4	1513	2	20.75	21.25	30.00	PASS
Band4	1513	3	20.72	21.22	30.00	PASS
Band4	1513	4	21.23	21.73	30.00	PASS
Band5	4132	1	23.31	20.96	38.5	PASS
Band5	4132	2	22.56	20.21	38.5	PASS
Band5	4132	3	21.07	18.72	38.5	PASS
Band5	4132	4	21.02	18.67	38.5	PASS
Band5	4183	1	23.40	21.05	38.5	PASS
Band5	4183	2	22.63	20.28	38.5	PASS
Band5	4183	3	21.09	18.74	38.5	PASS
Band5	4183	4	21.13	18.78	38.5	PASS
Band5	4233	1	23.32	20.97	38.5	PASS
Band5	4233	2	22.55	20.2	38.5	PASS
Band5	4233	3	21.29	18.94	38.5	PASS
Band5	4233	4	21.33	18.98	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.65	20.15	33.01	PASS
Band2	9262	2	19.32	19.82	33.01	PASS
Band2	9262	3	19.30	19.8	33.01	PASS
Band2	9262	4	19.61	20.11	33.01	PASS
Band2	9262	5	21.32	21.82	33.01	PASS
Band2	9400	1	19.71	20.21	33.01	PASS
Band2	9400	2	20.14	20.64	33.01	PASS
Band2	9400	3	19.85	20.35	33.01	PASS
Band2	9400	4	20.16	20.66	33.01	PASS
Band2	9400	5	21.67	22.17	33.01	PASS
Band2	9538	1	19.86	20.36	33.01	PASS
Band2	9538	2	20.29	20.79	33.01	PASS
Band2	9538	3	19.97	20.47	33.01	PASS

Band2	9538	4	20.30	20.8	33.01	PASS
Band2	9538	5	21.90	22.4	33.01	PASS
Band4	1312	1	21.80	22.3	30.00	PASS
Band4	1312	2	22.12	22.62	30.00	PASS
Band4	1312	3	21.90	22.4	30.00	PASS
Band4	1312	4	22.13	22.63	30.00	PASS
Band4	1312	5	22.24	22.74	30.00	PASS
Band4	1413	1	21.65	22.15	30.00	PASS
Band4	1413	2	21.82	22.32	30.00	PASS
Band4	1413	3	21.52	22.02	30.00	PASS
Band4	1413	4	21.79	22.29	30.00	PASS
Band4	1413	5	21.87	22.37	30.00	PASS
Band4	1513	1	21.57	22.07	30.00	PASS
Band4	1513	2	21.73	22.23	30.00	PASS
Band4	1513	3	21.45	21.95	30.00	PASS
Band4	1513	4	21.72	22.22	30.00	PASS
Band4	1513	5	21.81	22.31	30.00	PASS
Band5	4132	1	20.57	18.22	38.5	PASS
Band5	4132	2	20.68	18.33	38.5	PASS
Band5	4132	3	20.40	18.05	38.5	PASS
Band5	4132	4	20.25	17.9	38.5	PASS
Band5	4132	5	23.38	21.03	38.5	PASS
Band5	4183	1	20.63	18.28	38.5	PASS
Band5	4183	2	20.75	18.4	38.5	PASS
Band5	4183	3	20.46	18.11	38.5	PASS
Band5	4183	4	20.31	17.96	38.5	PASS
Band5	4183	5	23.49	21.14	38.5	PASS
Band5	4233	1	20.57	18.22	38.5	PASS
Band5	4233	2	20.78	18.43	38.5	PASS
Band5	4233	3	20.48	18.13	38.5	PASS
Band5	4233	4	20.27	17.92	38.5	PASS
Band5	4233	5	23.44	21.09	38.5	PASS

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

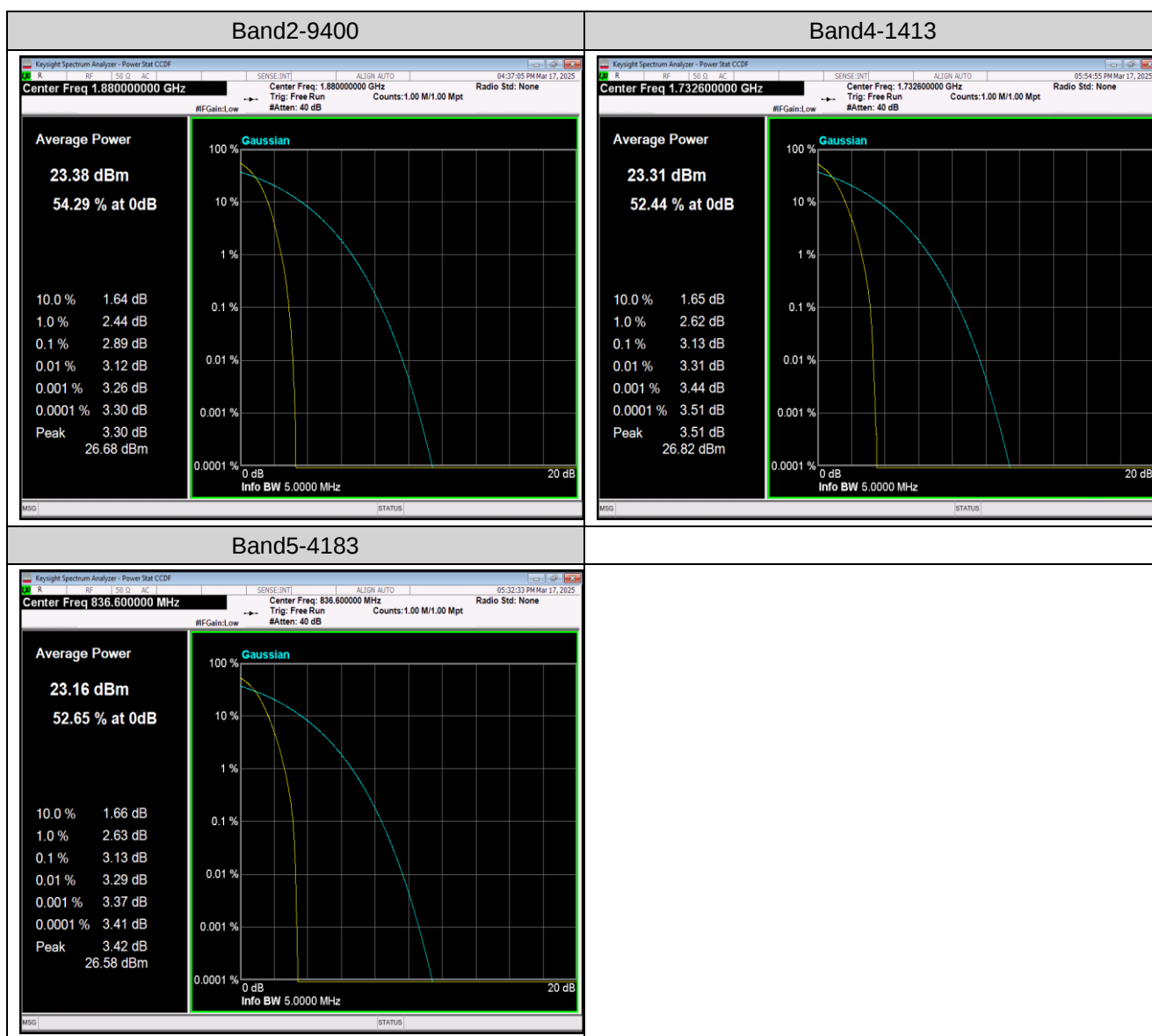
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.89	13	PASS
Band4	1413	3.13	13	PASS
Band5	4183	3.13	13	PASS

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

Test Graphs(WCDMA)

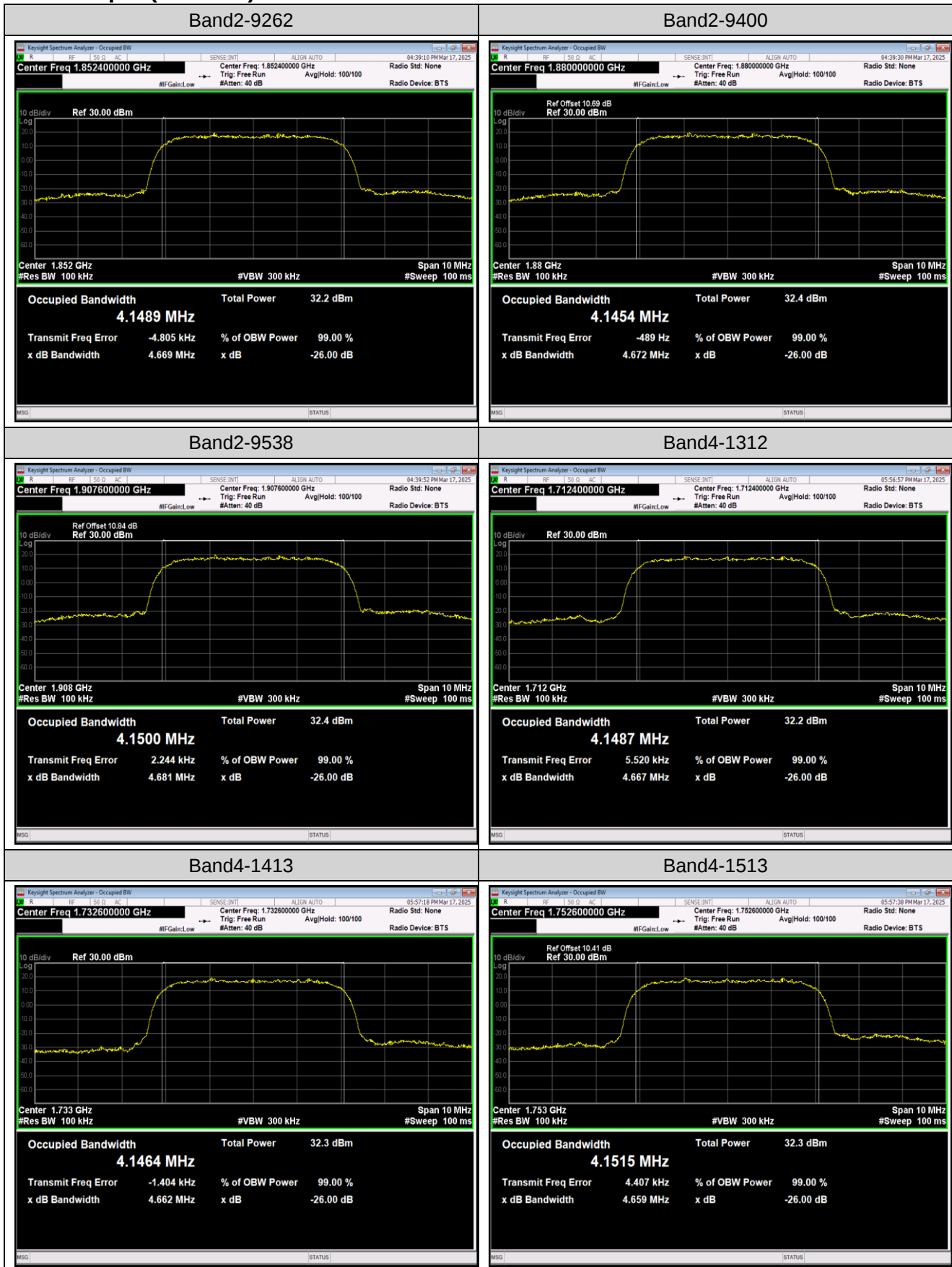


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1489	4.669	---	PASS
Band2	9400	4.1454	4.672	---	PASS
Band2	9538	4.1500	4.681	---	PASS
Band4	1312	4.1487	4.667	---	PASS
Band4	1413	4.1464	4.662	---	PASS
Band4	1513	4.1515	4.659	---	PASS
Band5	4132	4.1562	4.664	---	PASS
Band5	4183	4.1454	4.653	---	PASS
Band5	4233	4.1445	4.658	---	PASS

Test Graphs(WCDMA)



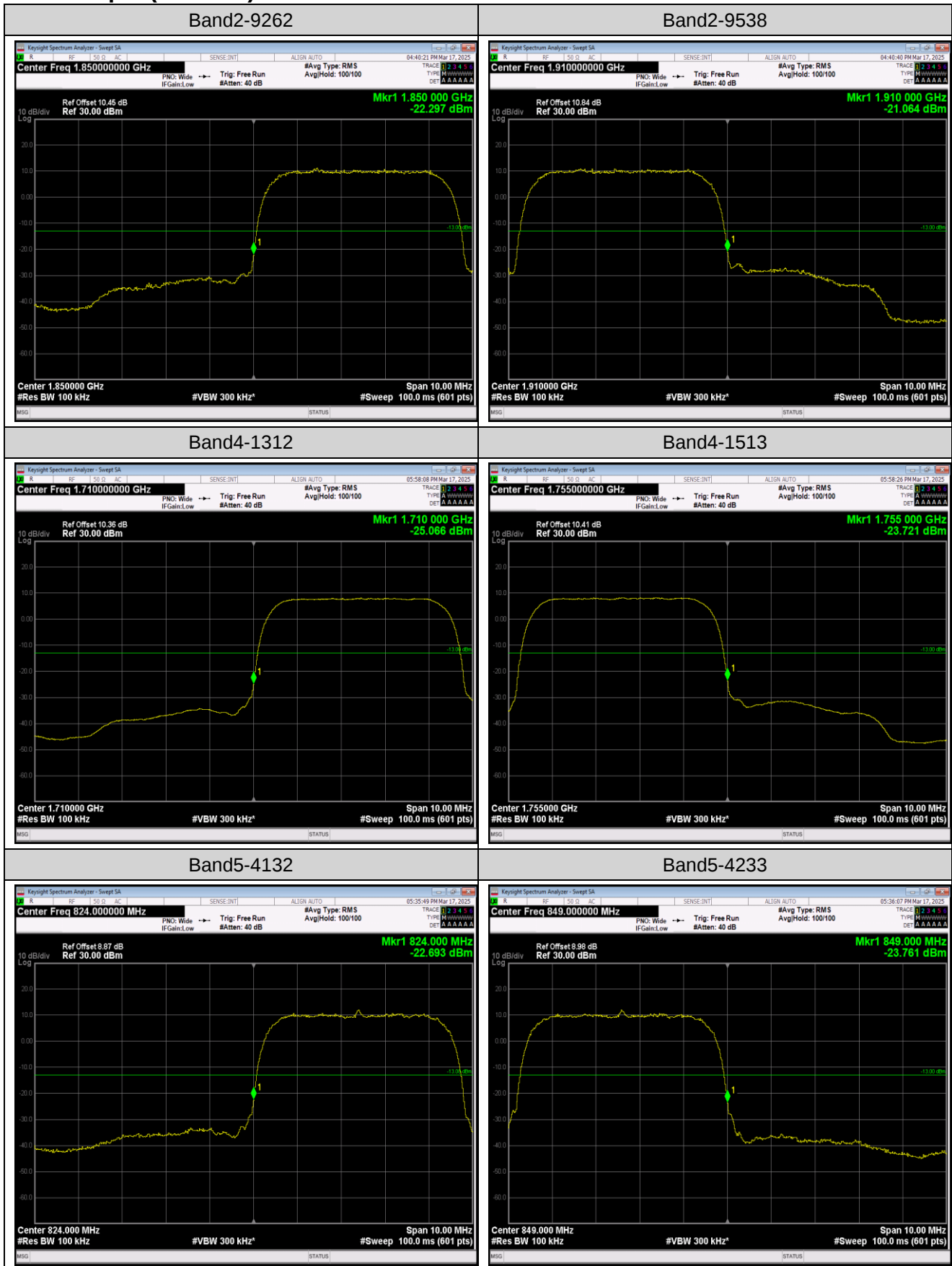


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-22.30	-13	PASS
Band2	9538	1910.00	-21.06	-13	PASS
Band4	1312	1710.00	-25.07	-13	PASS
Band4	1513	1755.00	-23.72	-13	PASS
Band5	4132	824.00	-22.69	-13	PASS
Band5	4233	849.00	-23.76	-13	PASS

Test Graphs(WCDMA)



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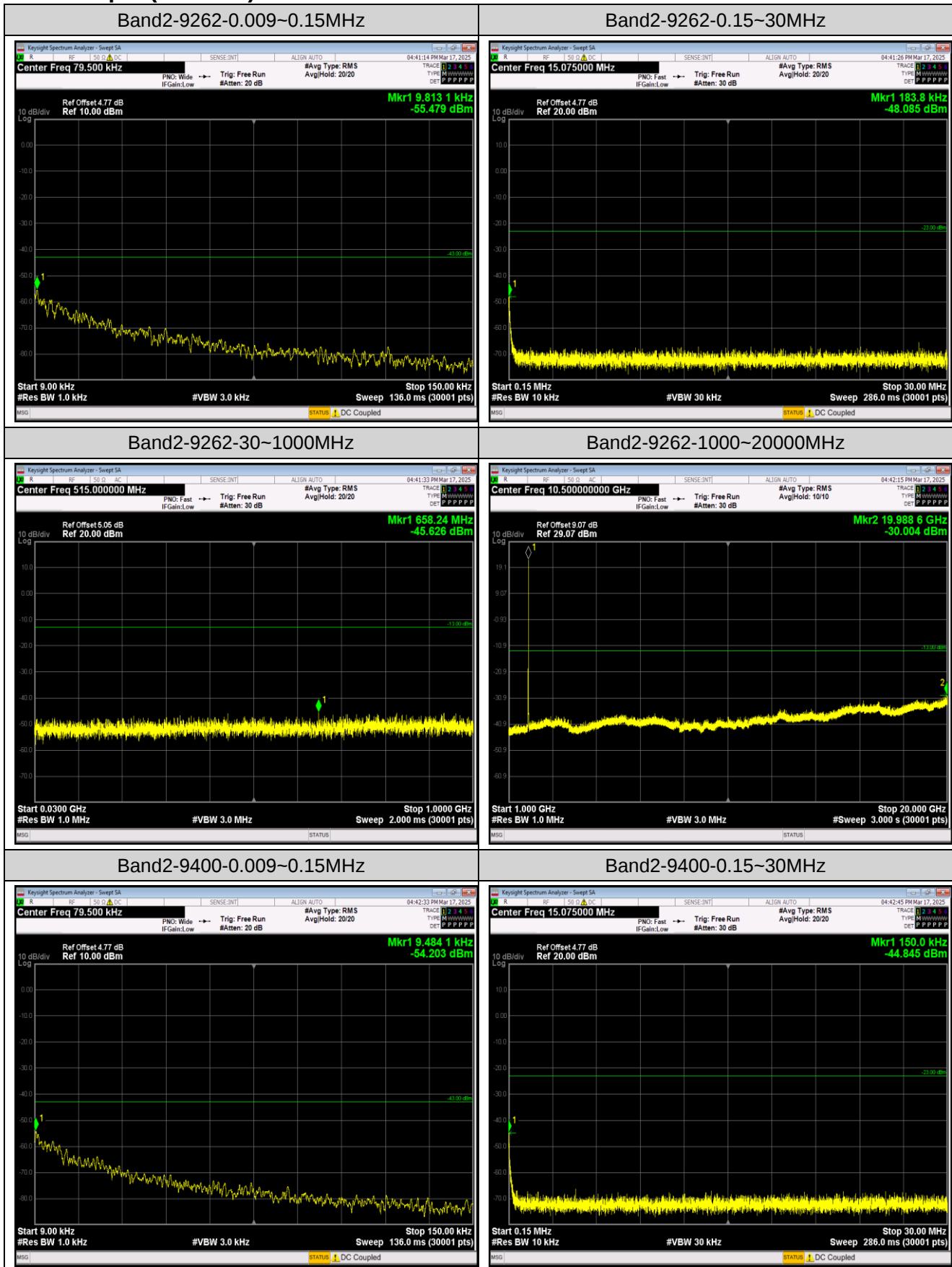
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.48	-43	PASS
Band2	9262	0.15~30MHz	0.18	-48.09	-23	PASS
Band2	9262	30~1000MHz	658.24	-45.63	-13	PASS
Band2	9262	1000~20000MHz	19988.6	-30	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.2	-43	PASS
Band2	9400	0.15~30MHz	0.15	-44.85	-23	PASS
Band2	9400	30~1000MHz	830.25	-45.27	-13	PASS
Band2	9400	1000~20000MHz	19592.13	-30.53	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.23	-43	PASS
Band2	9538	0.15~30MHz	0.15	-45.79	-23	PASS
Band2	9538	30~1000MHz	779.65	-45.6	-13	PASS
Band2	9538	1000~20000MHz	19914.5	-30.76	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.14	-43	PASS
Band4	1312	0.15~30MHz	0.15	-44.38	-23	PASS
Band4	1312	30~1000MHz	826.43	-45.52	-13	PASS
Band4	1312	1000~20000MHz	19960.1	-29.66	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.59	-43	PASS
Band4	1413	0.15~30MHz	0.15	-46.7	-23	PASS
Band4	1413	30~1000MHz	815.25	-44.62	-13	PASS
Band4	1413	1000~20000MHz	19946.8	-29.25	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.9	-43	PASS
Band4	1513	0.15~30MHz	0.15	-47.09	-23	PASS
Band4	1513	30~1000MHz	925.21	-45.7	-13	PASS
Band4	1513	1000~20000MHz	19924.63	-30.53	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.54	-33	PASS
Band5	4132	0.15~30MHz	0.16	-47.68	-13	PASS
Band5	4132	30~1000MHz	940.09	-54.72	-13	PASS
Band5	4132	1000~10000MHz	1650.7	-35.63	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.25	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.28	-13	PASS
Band5	4183	30~1000MHz	529.19	-54.91	-13	PASS
Band5	4183	1000~10000MHz	7364.5	-36.29	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.96	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.99	-13	PASS
Band5	4233	30~1000MHz	997.67	-54.24	-13	PASS
Band5	4233	1000~10000MHz	5929	-36.69	-13	PASS

Test Graphs(WCDMA)

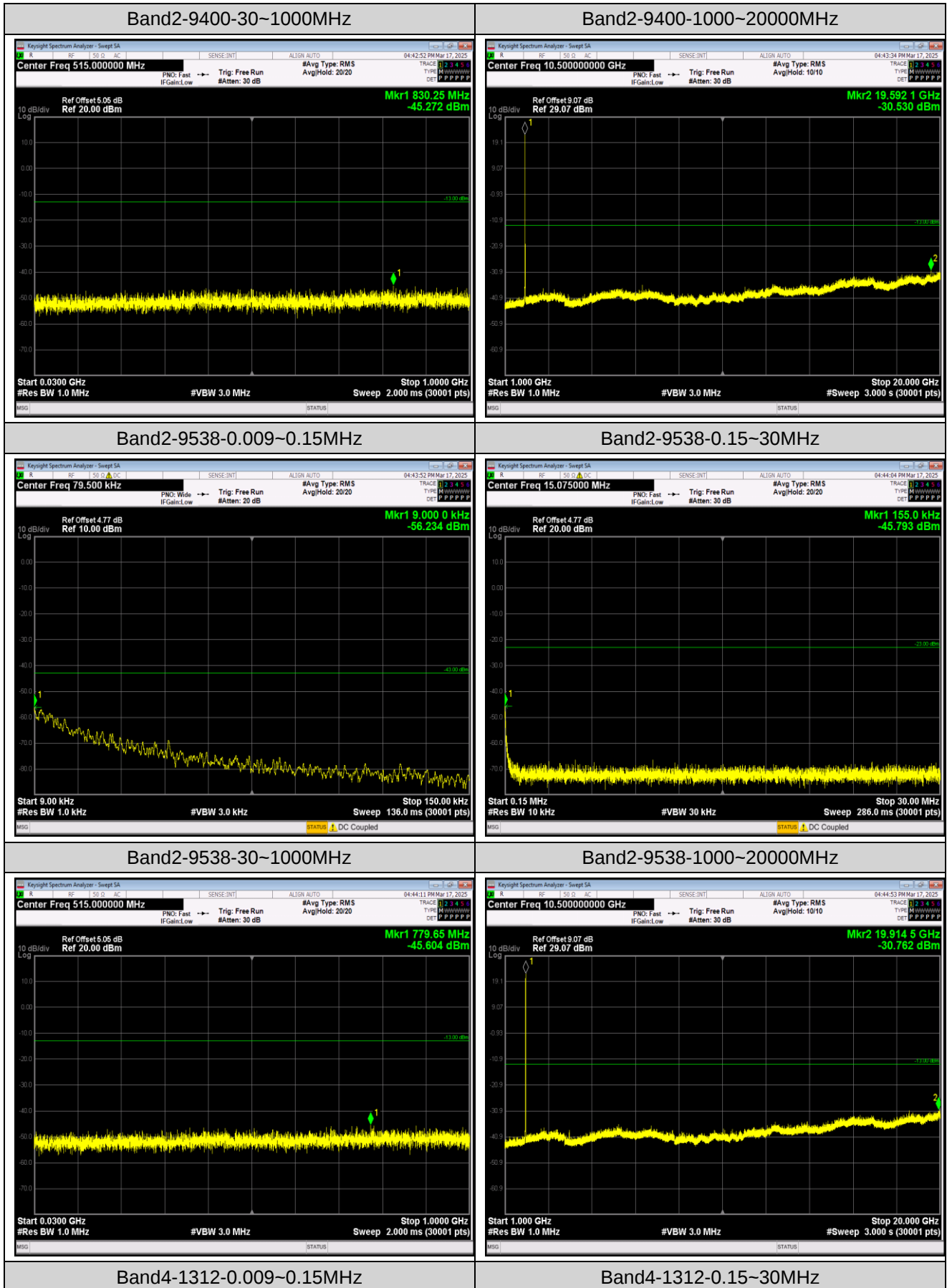


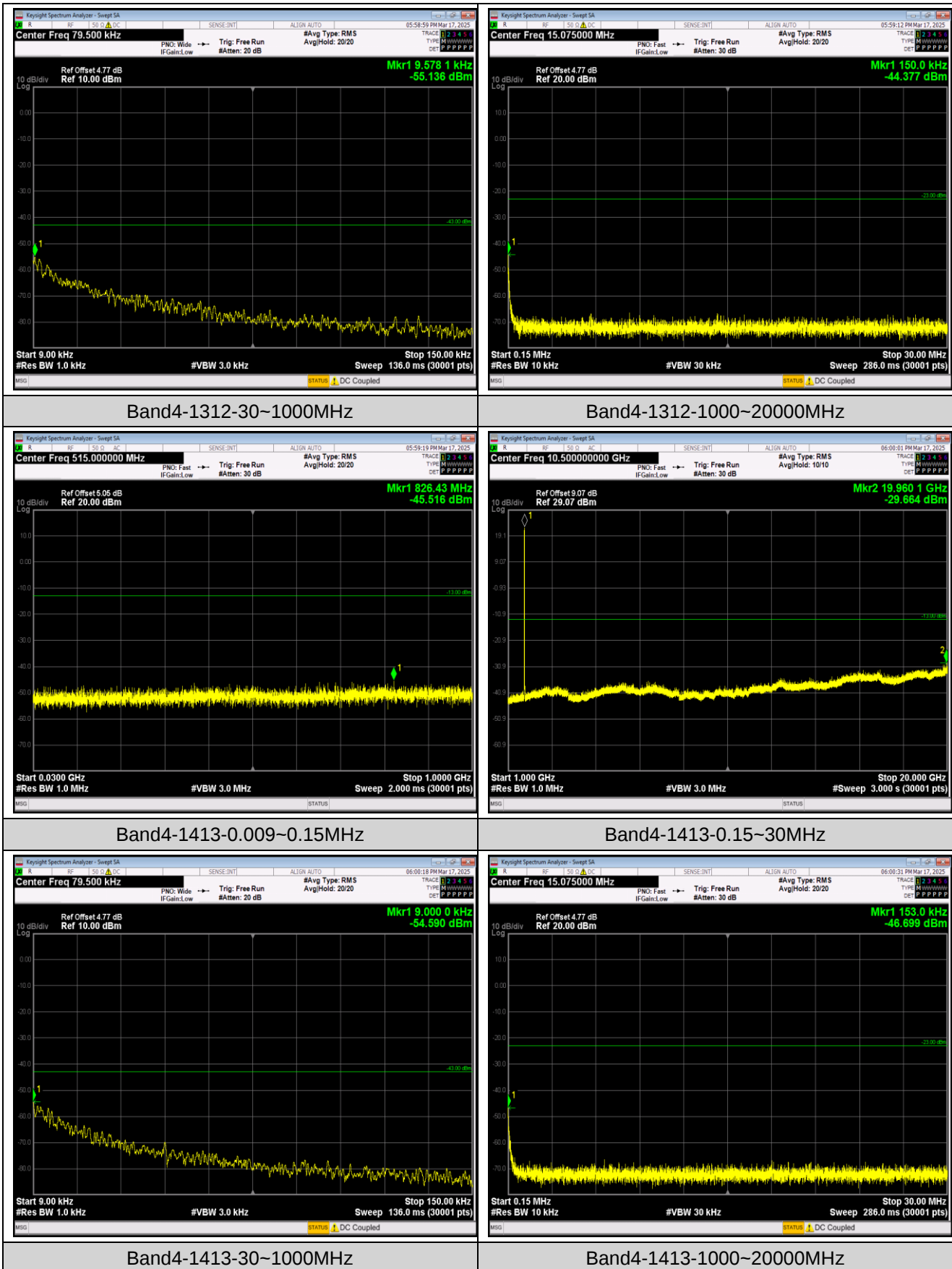
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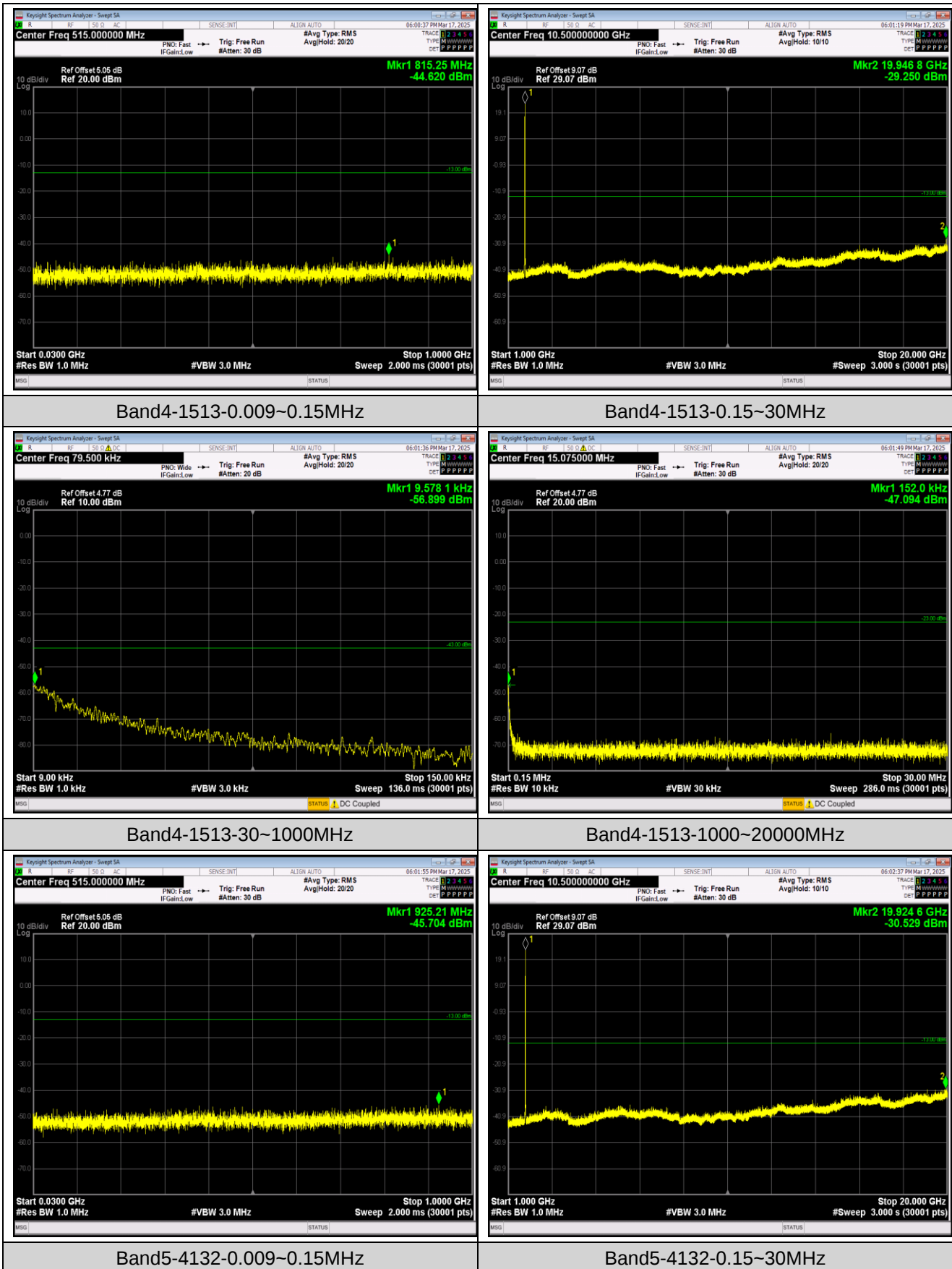
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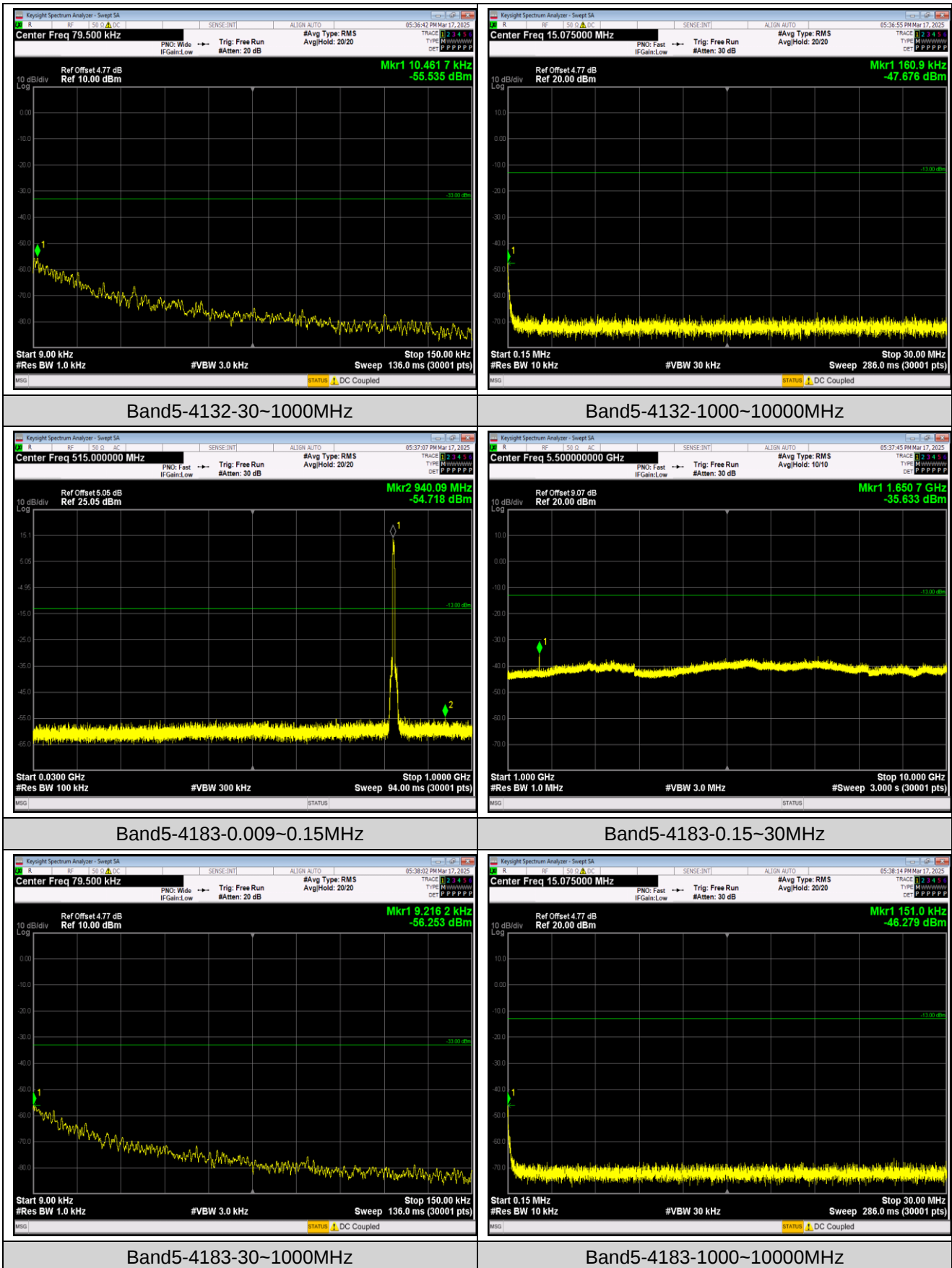
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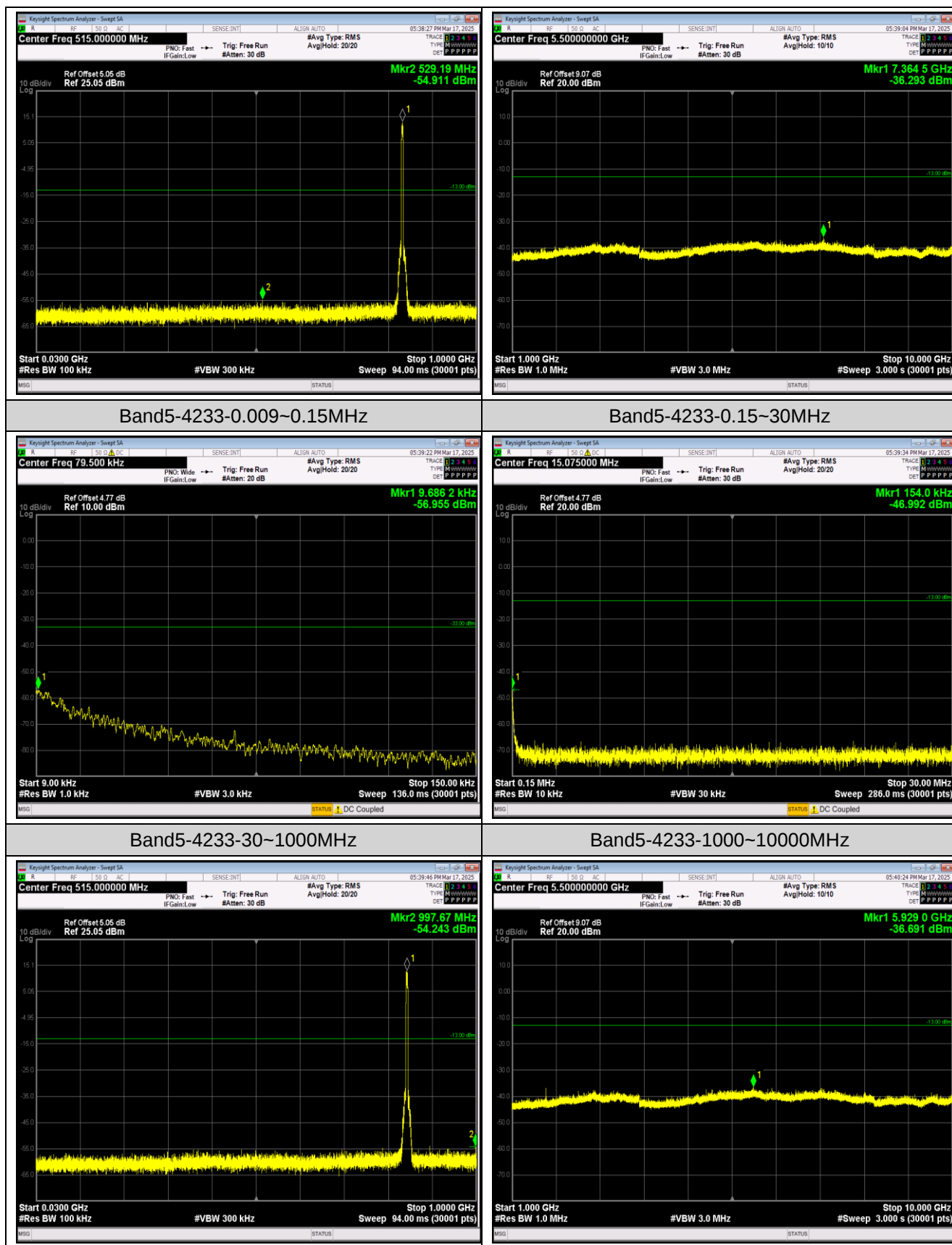
Project No.: JYTSZR2503028











Appendix F: 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		
3.70	-30	-2.60	-0.003108	±2.5	Pass
	-20	-0.58	-0.000693		
	-10	1.47	0.001757		
	0	-0.55	-0.000657		
	10	1.62	0.001936		
	20	-1.34	-0.001602		
	30	0.63	0.000753		
	40	0.09	0.000108		
	50	0.34	0.000406		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.62	-0.001936	±2.5	Pass
	3.70	-1.19	-0.001422		
	4.20	-1.89	-0.002259		
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		
3.70	-30	9.23	0.005327	Within authorized band for BAND IV	Pass
	-20	6.29	0.003630		
	-10	5.87	0.003388		
	0	6.37	0.003677		
	10	6.89	0.003977		
	20	8.15	0.004704		
	30	6.93	0.004000		
	40	8.05	0.004646		
	50	7.17	0.004138		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	4.72	0.002724	Within authorized band for BAND IV	Pass
	3.70	1.78	0.001027		
	4.20	3.28	0.001893		
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		
3.70	-30	-1.22	-0.000649	Within authorized band for BAND II	Pass
	-20	-2.86	-0.001521		
	-10	0.57	0.000303		
	0	-3.51	-0.001867		
	10	-3.38	-0.001798		
	20	-2.95	-0.001569		
	30	-2.03	-0.001080		
	40	-2.14	-0.001138		
	50	-2.42	-0.001287		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.47	-0.000782	Within authorized band for BAND II	Pass
	3.70	-0.96	-0.000511		
	4.20	-0.07	-0.000037		
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

