

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	22.84	0.2	23.04	33.01	PASS
Band2	TestMode	9262	22.83	0.2	23.03	33.01	PASS
Band2	TestMode	9400	23.12	0.2	23.32	33.01	PASS
Band2	Voice	9400	23.00	0.2	23.2	33.01	PASS
Band2	TestMode	9538	22.99	0.2	23.19	33.01	PASS
Band2	Voice	9538	22.96	0.2	23.16	33.01	PASS
Band4	Voice	1312	22.93	0.3	23.23	30.00	PASS
Band4	TestMode	1312	23.07	0.3	23.37	30.00	PASS
Band4	Voice	1413	23.21	0.3	23.51	30.00	PASS
Band4	TestMode	1413	23.27	0.3	23.57	30.00	PASS
Band4	TestMode	1513	23.29	0.3	23.59	30.00	PASS
Band4	Voice	1513	23.11	0.3	23.41	30.00	PASS
Band5	Voice	4132	23.68	-1.1	20.43	38.45	PASS
Band5	TestMode	4132	23.71	-1.1	20.46	38.45	PASS
Band5	TestMode	4183	23.82	-1.1	20.57	38.45	PASS
Band5	Voice	4183	23.80	-1.1	20.55	38.45	PASS
Band5	Voice	4233	23.80	-1.1	20.55	38.45	PASS
Band5	TestMode	4233	23.78	-1.1	20.53	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.88	0.2	22.08	33.01	PASS
Band2	9262	2	21.68	0.2	21.88	33.01	PASS
Band2	9262	3	21.48	0.2	21.68	33.01	PASS
Band2	9262	4	21.59	0.2	21.79	33.01	PASS
Band2	9400	1	21.94	0.2	22.14	33.01	PASS
Band2	9400	2	21.66	0.2	21.86	33.01	PASS
Band2	9400	3	21.47	0.2	21.67	33.01	PASS
Band2	9400	4	21.60	0.2	21.8	33.01	PASS
Band2	9538	1	22.25	0.2	22.45	33.01	PASS
Band2	9538	2	22.00	0.2	22.2	33.01	PASS
Band2	9538	3	21.90	0.2	22.1	33.01	PASS

Band2	9538	4	21.87	0.2	22.07	33.01	PASS
Band4	1312	1	22.02	0.3	22.32	30.00	PASS
Band4	1312	2	22.20	0.3	22.5	30.00	PASS
Band4	1312	3	21.97	0.3	22.27	30.00	PASS
Band4	1312	4	22.17	0.3	22.47	30.00	PASS
Band4	1413	1	22.31	0.3	22.61	30.00	PASS
Band4	1413	2	22.40	0.3	22.7	30.00	PASS
Band4	1413	3	22.25	0.3	22.55	30.00	PASS
Band4	1413	4	22.33	0.3	22.63	30.00	PASS
Band4	1513	1	21.97	0.3	22.27	30.00	PASS
Band4	1513	2	22.05	0.3	22.35	30.00	PASS
Band4	1513	3	21.95	0.3	22.25	30.00	PASS
Band4	1513	4	22.02	0.3	22.32	30.00	PASS
Band5	4132	1	22.45	-1.1	19.2	38.5	PASS
Band5	4132	2	22.40	-1.1	19.15	38.5	PASS
Band5	4132	3	22.04	-1.1	18.79	38.5	PASS
Band5	4132	4	22.13	-1.1	18.88	38.5	PASS
Band5	4183	1	22.22	-1.1	18.97	38.5	PASS
Band5	4183	2	22.18	-1.1	18.93	38.5	PASS
Band5	4183	3	22.00	-1.1	18.75	38.5	PASS
Band5	4183	4	22.07	-1.1	18.82	38.5	PASS
Band5	4233	1	22.01	-1.1	18.76	38.5	PASS
Band5	4233	2	21.90	-1.1	18.65	38.5	PASS
Band5	4233	3	21.66	-1.1	18.41	38.5	PASS
Band5	4233	4	21.61	-1.1	18.36	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.73	0.2	19.93	33.01	PASS
Band2	9262	2	20.40	0.2	20.6	33.01	PASS
Band2	9262	3	20.15	0.2	20.35	33.01	PASS
Band2	9262	4	20.47	0.2	20.67	33.01	PASS
Band2	9262	5	22.15	0.2	22.35	33.01	PASS
Band2	9400	1	19.99	0.2	20.19	33.01	PASS
Band2	9400	2	20.33	0.2	20.53	33.01	PASS
Band2	9400	3	20.19	0.2	20.39	33.01	PASS
Band2	9400	4	20.48	0.2	20.68	33.01	PASS
Band2	9400	5	22.12	0.2	22.32	33.01	PASS
Band2	9538	1	20.32	0.2	20.52	33.01	PASS

Band2	9538	2	20.69	0.2	20.89	33.01	PASS
Band2	9538	3	20.46	0.2	20.66	33.01	PASS
Band2	9538	4	20.72	0.2	20.92	33.01	PASS
Band2	9538	5	22.39	0.2	22.59	33.01	PASS
Band4	1312	1	22.10	0.3	22.4	30.00	PASS
Band4	1312	2	22.22	0.3	22.52	30.00	PASS
Band4	1312	3	22.01	0.3	22.31	30.00	PASS
Band4	1312	4	22.31	0.3	22.61	30.00	PASS
Band4	1312	5	22.42	0.3	22.72	30.00	PASS
Band4	1413	1	22.33	0.3	22.63	30.00	PASS
Band4	1413	2	22.46	0.3	22.76	30.00	PASS
Band4	1413	3	22.09	0.3	22.39	30.00	PASS
Band4	1413	4	22.52	0.3	22.82	30.00	PASS
Band4	1413	5	22.52	0.3	22.82	30.00	PASS
Band4	1513	1	22.06	0.3	22.36	30.00	PASS
Band4	1513	2	22.19	0.3	22.49	30.00	PASS
Band4	1513	3	22.01	0.3	22.31	30.00	PASS
Band4	1513	4	22.26	0.3	22.56	30.00	PASS
Band4	1513	5	22.18	0.3	22.48	30.00	PASS
Band5	4132	1	20.62	-1.1	17.37	38.5	PASS
Band5	4132	2	21.27	-1.1	18.02	38.5	PASS
Band5	4132	3	20.89	-1.1	17.64	38.5	PASS
Band5	4132	4	20.83	-1.1	17.58	38.5	PASS
Band5	4132	5	22.95	-1.1	19.7	38.5	PASS
Band5	4183	1	20.74	-1.1	17.49	38.5	PASS
Band5	4183	2	21.11	-1.1	17.86	38.5	PASS
Band5	4183	3	20.75	-1.1	17.5	38.5	PASS
Band5	4183	4	20.68	-1.1	17.43	38.5	PASS
Band5	4183	5	22.82	-1.1	19.57	38.5	PASS
Band5	4233	1	20.47	-1.1	17.22	38.5	PASS
Band5	4233	2	20.90	-1.1	17.65	38.5	PASS
Band5	4233	3	20.53	-1.1	17.28	38.5	PASS
Band5	4233	4	20.49	-1.1	17.24	38.5	PASS
Band5	4233	5	22.64	-1.1	19.39	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

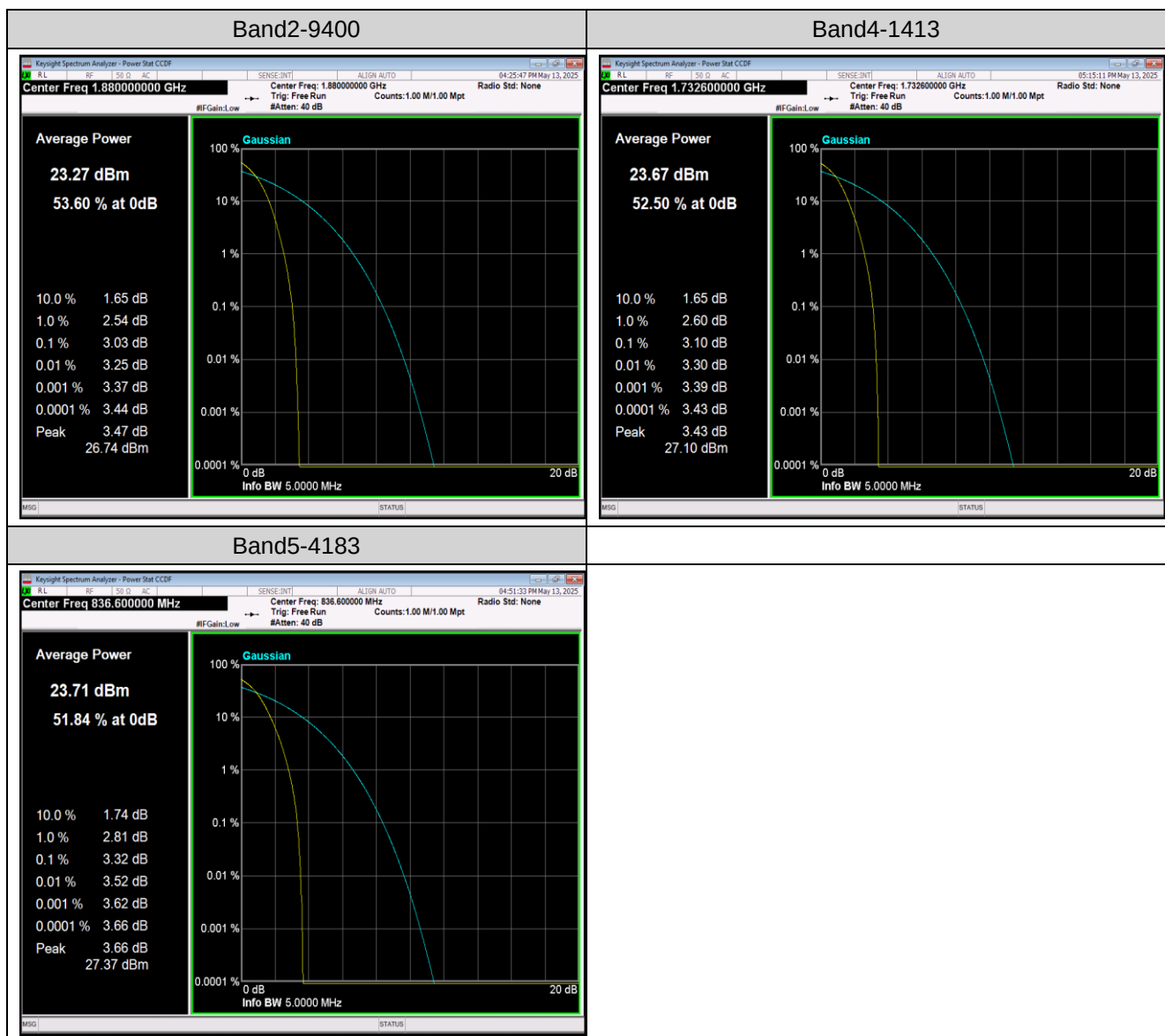
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.03	13	PASS
Band4	1413	3.1	13	PASS
Band5	4183	3.32	13	PASS

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

Test Graphs(WCDMA)

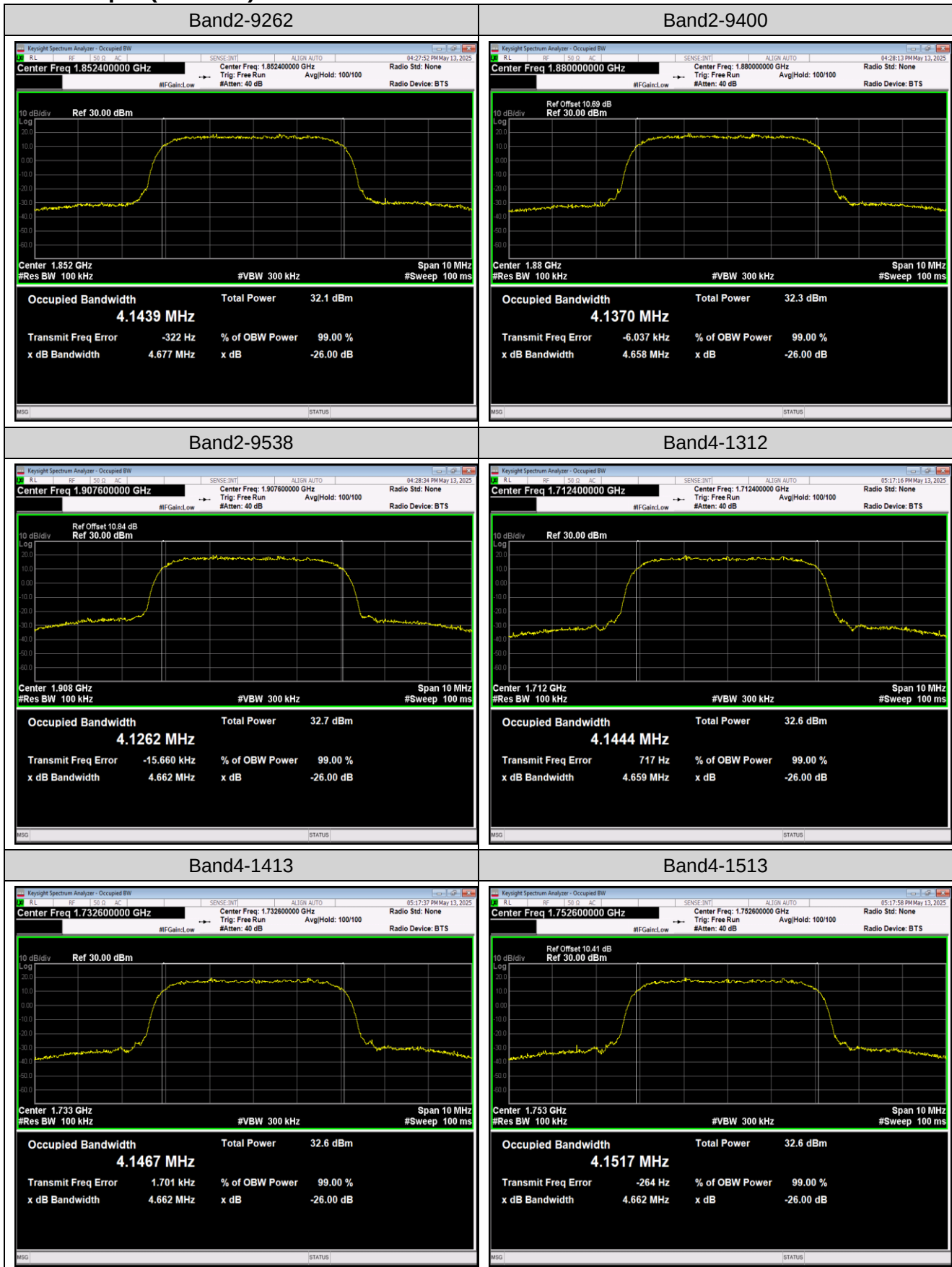


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1439	4.677	---	PASS
Band2	9400	4.1370	4.658	---	PASS
Band2	9538	4.1262	4.662	---	PASS
Band4	1312	4.1444	4.659	---	PASS
Band4	1413	4.1467	4.662	---	PASS
Band4	1513	4.1517	4.662	---	PASS
Band5	4132	4.1577	4.653	---	PASS
Band5	4183	4.1504	4.654	---	PASS
Band5	4233	4.1438	4.636	---	PASS

Test Graphs(WCDMA)



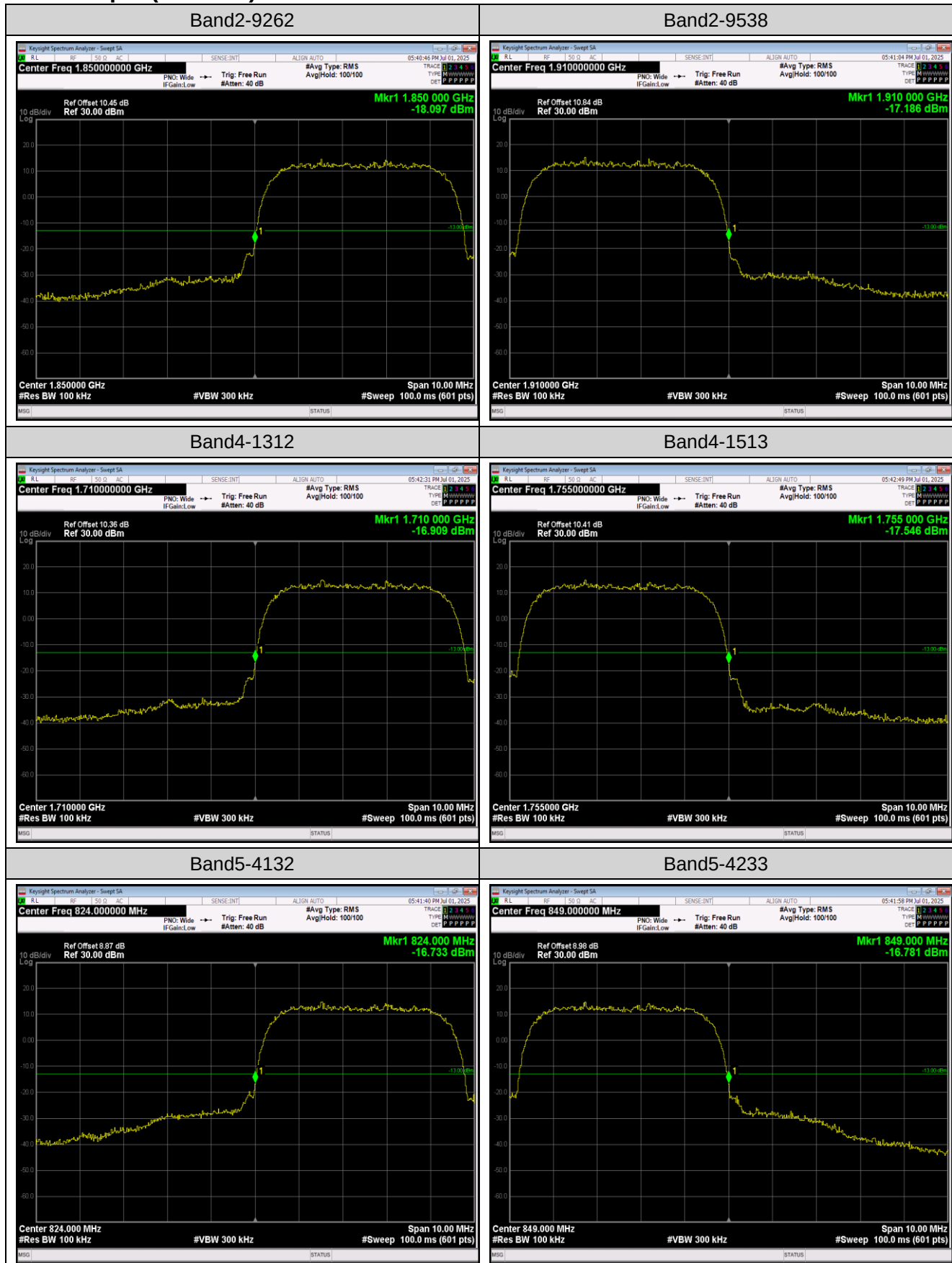


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.10	-13	PASS
Band2	9538	1910.00	-17.19	-13	PASS
Band4	1312	1710.00	-16.91	-13	PASS
Band4	1513	1755.00	-17.55	-13	PASS
Band5	4132	824.00	-16.73	-13	PASS
Band5	4233	849.00	-16.78	-13	PASS

Test Graphs(WCDMA)



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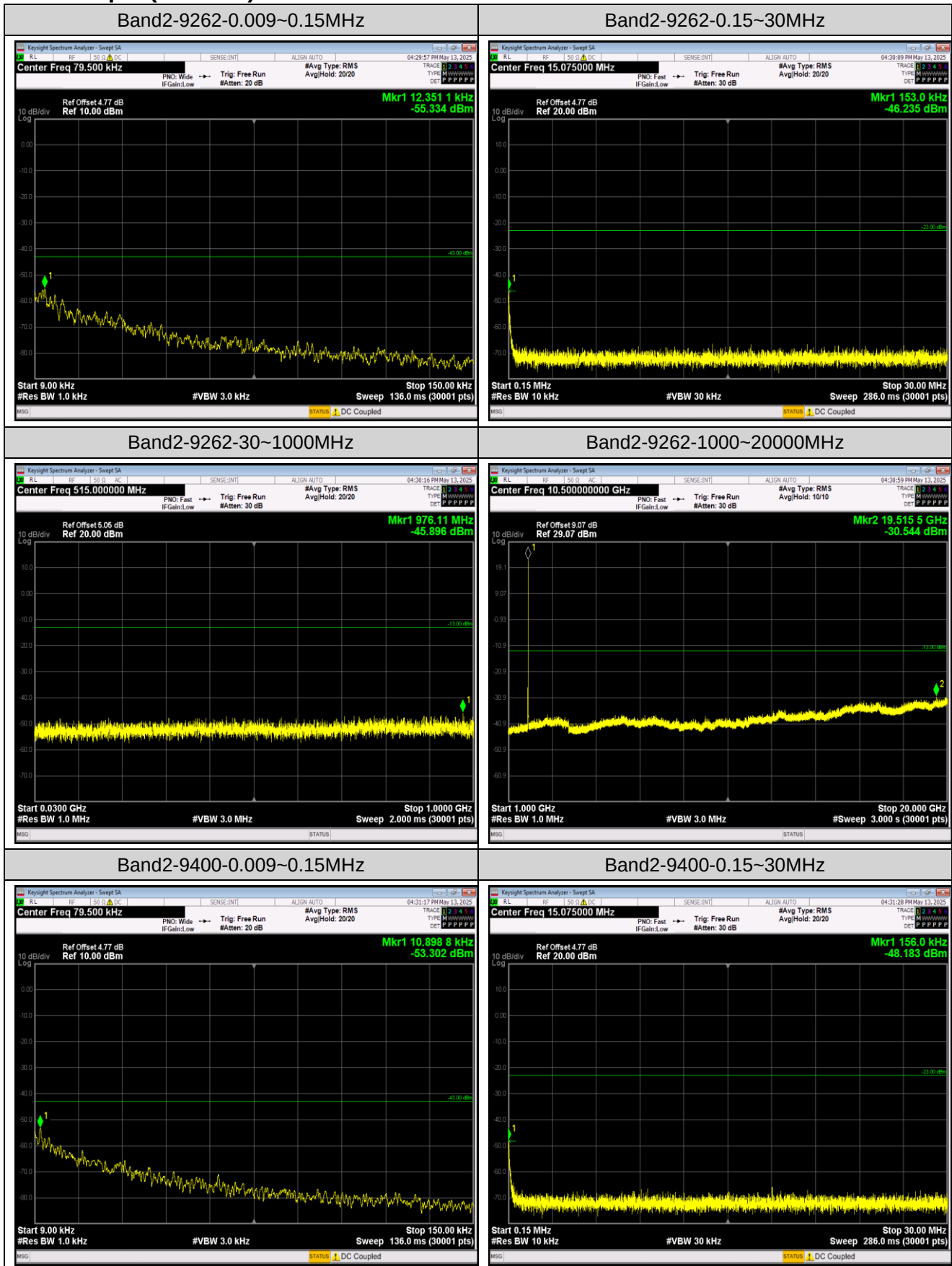
Project No.: JYTSZR2504067

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	-55.33	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.24	-23	PASS
Band2	9262	30~1000MHz	976.11	-45.9	-13	PASS
Band2	9262	1000~20000MHz	19515.5	-30.54	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-53.3	-43	PASS
Band2	9400	0.15~30MHz	0.16	-48.18	-23	PASS
Band2	9400	30~1000MHz	864.59	-45.91	-13	PASS
Band2	9400	1000~20000MHz	19934.13	-30.02	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.18	-43	PASS
Band2	9538	0.15~30MHz	0.15	-44.19	-23	PASS
Band2	9538	30~1000MHz	864.91	-46.44	-13	PASS
Band2	9538	1000~20000MHz	19905	-30.16	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.04	-43	PASS
Band4	1312	0.15~30MHz	0.15	-48.23	-23	PASS
Band4	1312	30~1000MHz	821.39	-46.25	-13	PASS
Band4	1312	1000~20000MHz	19932.87	-30.05	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.89	-43	PASS
Band4	1413	0.15~30MHz	0.17	-47.79	-23	PASS
Band4	1413	30~1000MHz	67.8	-46.32	-13	PASS
Band4	1413	1000~20000MHz	19893.6	-30.52	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.45	-43	PASS
Band4	1513	0.15~30MHz	0.17	-46.77	-23	PASS
Band4	1513	30~1000MHz	853.53	-45.54	-13	PASS
Band4	1513	1000~20000MHz	19997.47	-30.66	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.18	-33	PASS
Band5	4132	0.15~30MHz	0.15	-45.99	-13	PASS
Band5	4132	30~1000MHz	532.36	-55.55	-13	PASS
Band5	4132	1000~10000MHz	3006.4	-36.74	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.16	-33	PASS
Band5	4183	0.15~30MHz	0.15	-45.68	-13	PASS
Band5	4183	30~1000MHz	472.48	-55.84	-13	PASS
Band5	4183	1000~10000MHz	7330.6	-36.78	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.05	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.27	-13	PASS
Band5	4233	30~1000MHz	540.22	-55.63	-13	PASS
Band5	4233	1000~10000MHz	5858.2	-36.71	-13	PASS

Test Graphs(WCDMA)

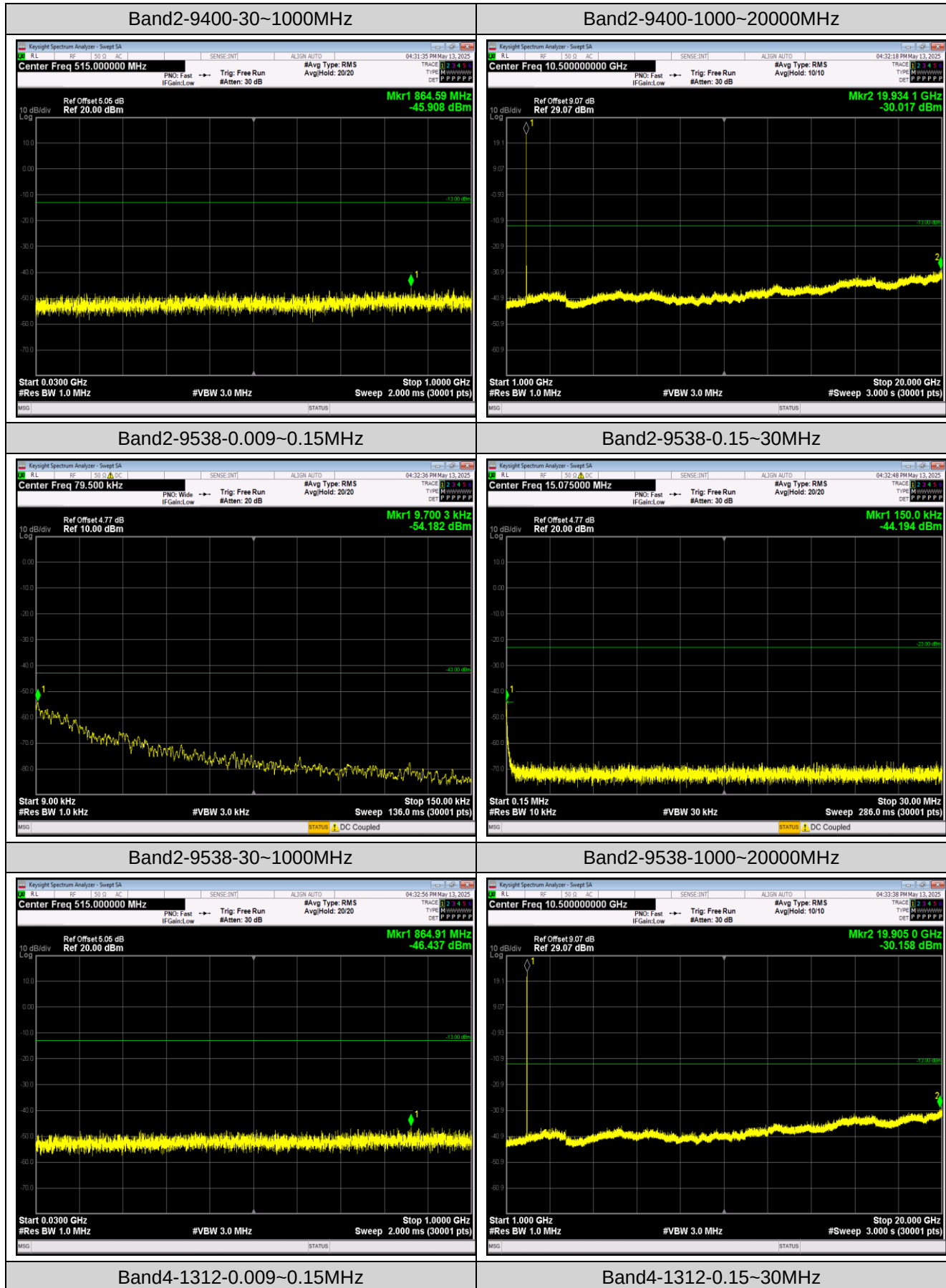


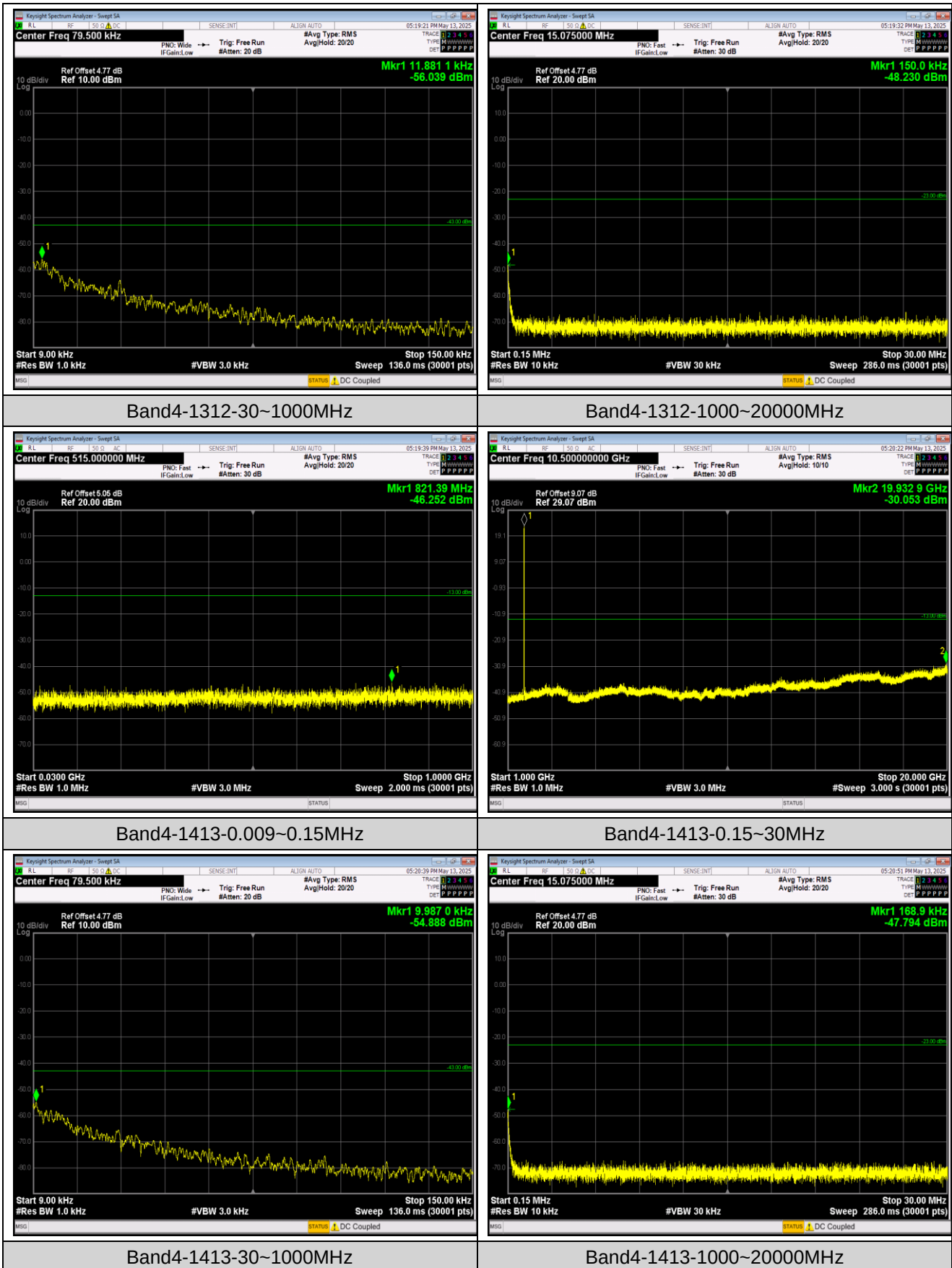
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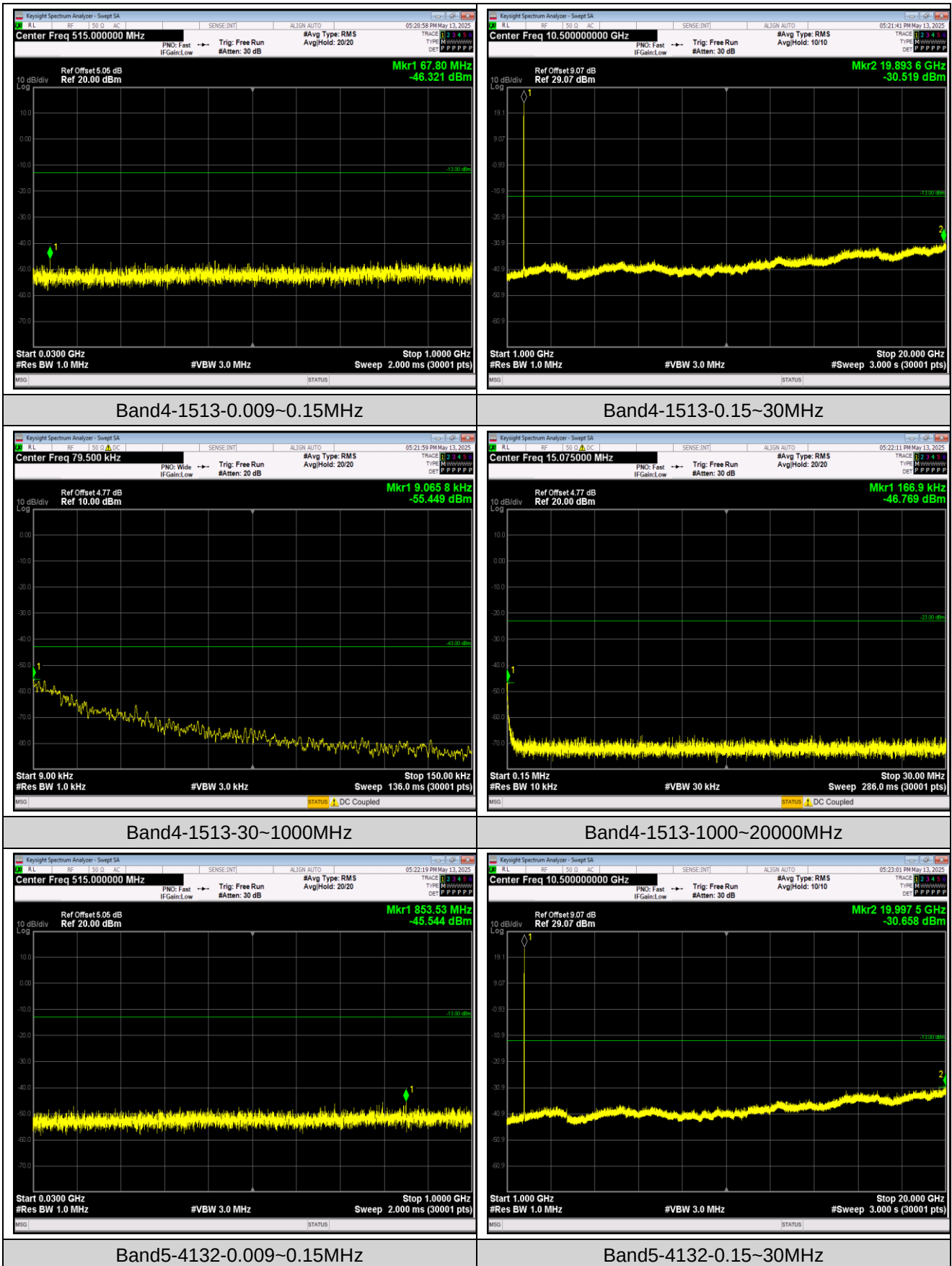
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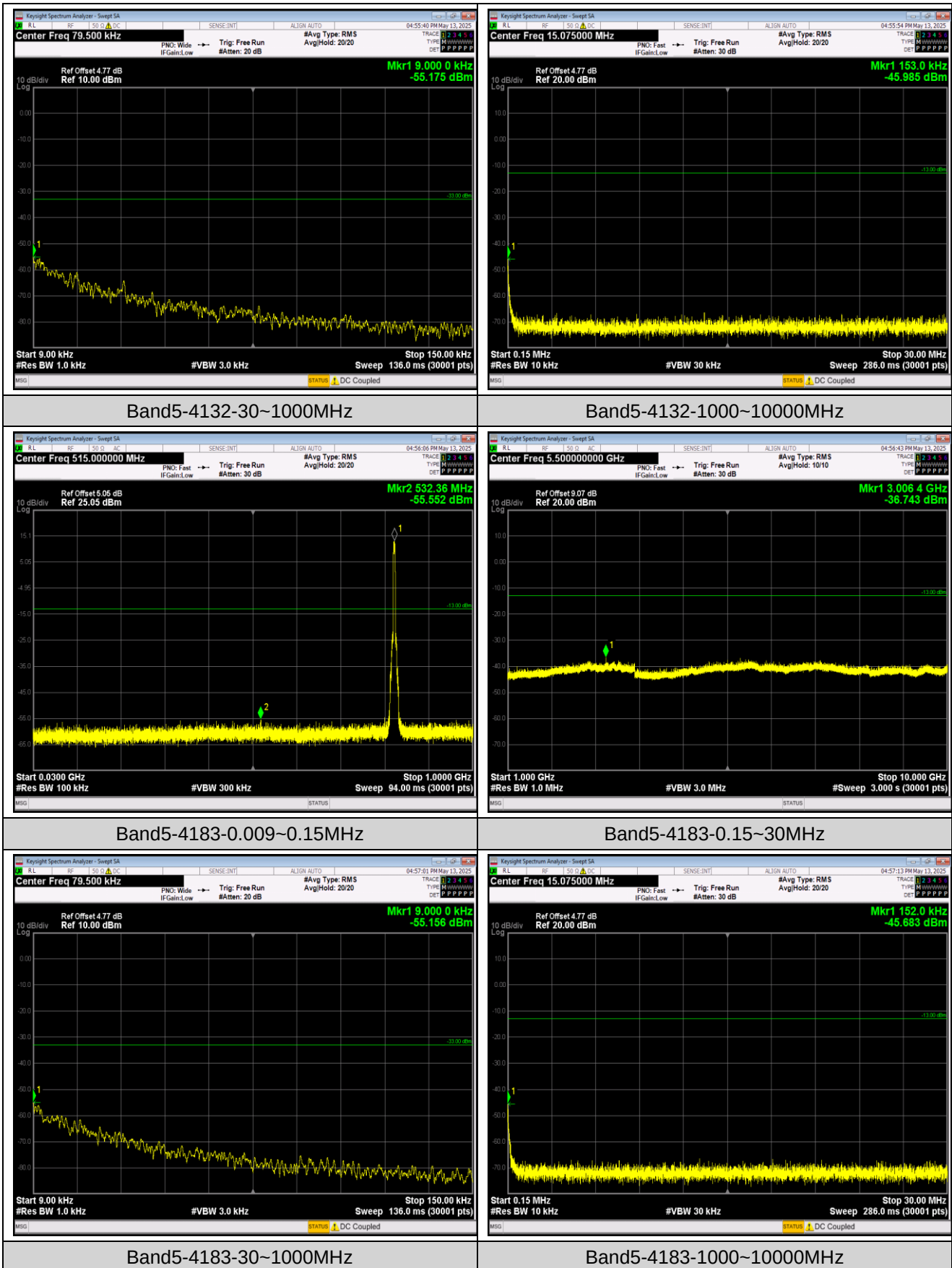
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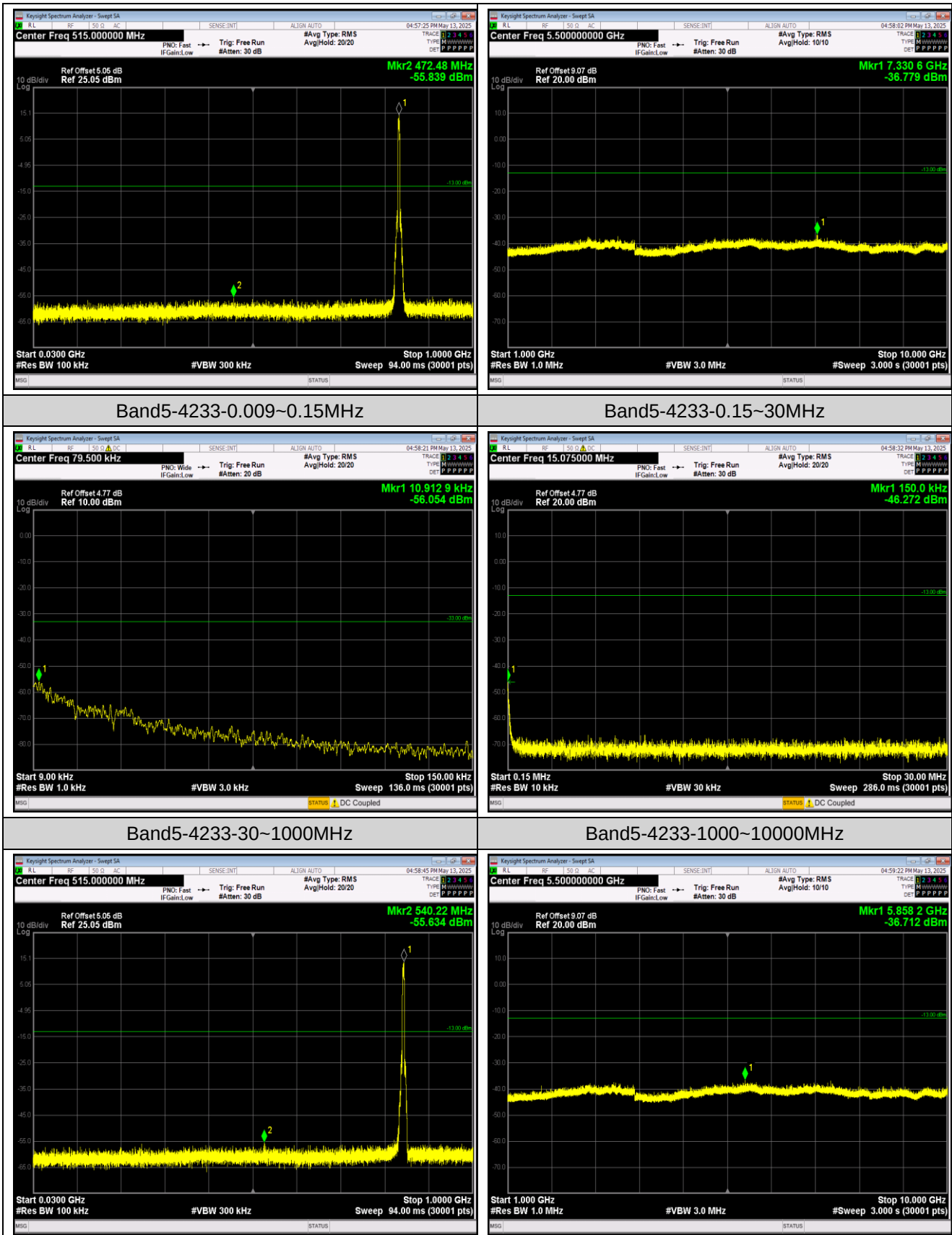
Project No.: JYTSZR2504067











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		
3.85	-30	0.82	0.000980	±2.5	Pass
	-20	1.78	0.002128		
	-10	3.27	0.003909		
	0	2.46	0.002940		
	10	1.83	0.002187		
	20	2.22	0.002654		
	30	1.79	0.002140		
	40	-0.77	-0.000920		
	50	0.11	0.000131		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	1.07	0.001279	±2.5	Pass
	3.85	0.35	0.000418		
	4.40	0.79	0.000944		
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	6.82	0.003936	Within authorized band for BAND IV	Pass
	-20	4.43	0.002557		
	-10	-0.41	-0.000237		
	0	3.96	0.002286		
	10	2.68	0.001547		
	20	0.62	0.000358		
	30	-1.49	-0.000860		
	40	-6.55	-0.003780		
	50	6.07	0.003503		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-5.32	-0.003071	Within authorized band for BAND IV	Pass
	3.85	-1.34	-0.000773		
	4.40	-5.66	-0.003267		
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	2.68	0.001426	Within authorized band for BAND II	Pass
	-20	-6.59	-0.003505		
	-10	5.34	0.002840		
	0	-2.06	-0.001096		
	10	-3.75	-0.001995		
	20	9.23	0.004910		
	30	-0.37	-0.000197		
	40	0.39	0.000207		
	50	-4.72	-0.002511		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.64	-0.000340	Within authorized band for BAND II	Pass
	3.85	-0.34	-0.000181		
	4.40	-6.40	-0.003404		
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

