

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	24.08	23.04	33.01	PASS
Band2	TestMode	9262	24.09	23.05	33.01	PASS
Band2	TestMode	9400	24.23	23.19	33.01	PASS
Band2	Voice	9400	24.22	23.18	33.01	PASS
Band2	TestMode	9538	24.07	23.03	33.01	PASS
Band2	Voice	9538	24.07	23.03	33.01	PASS
Band4	Voice	1312	23.62	22.73	30.00	PASS
Band4	TestMode	1312	23.69	22.8	30.00	PASS
Band4	Voice	1413	23.63	22.74	30.00	PASS
Band4	TestMode	1413	23.72	22.83	30.00	PASS
Band4	TestMode	1513	23.64	22.75	30.00	PASS
Band4	Voice	1513	23.54	22.65	30.00	PASS
Band5	Voice	4132	23.62	20.89	38.45	PASS
Band5	TestMode	4132	23.65	20.92	38.45	PASS
Band5	TestMode	4183	23.72	20.99	38.45	PASS
Band5	Voice	4183	23.70	20.97	38.45	PASS
Band5	Voice	4233	23.62	20.89	38.45	PASS
Band5	TestMode	4233	23.65	20.92	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.57	22.53	33.01	PASS
Band2	9262	2	23.24	22.2	33.01	PASS
Band2	9262	3	23.07	22.03	33.01	PASS
Band2	9262	4	23.12	22.08	33.01	PASS
Band2	9400	1	23.60	22.56	33.01	PASS
Band2	9400	2	23.33	22.29	33.01	PASS
Band2	9400	3	23.20	22.16	33.01	PASS
Band2	9400	4	23.23	22.19	33.01	PASS
Band2	9538	1	23.67	22.63	33.01	PASS
Band2	9538	2	23.36	22.32	33.01	PASS
Band2	9538	3	23.21	22.17	33.01	PASS
Band2	9538	4	23.25	22.21	33.01	PASS

Band4	1312	1	22.13	21.24	30.00	PASS
Band4	1312	2	22.72	21.83	30.00	PASS
Band4	1312	3	22.69	21.8	30.00	PASS
Band4	1312	4	22.65	21.76	30.00	PASS
Band4	1413	1	21.85	20.96	30.00	PASS
Band4	1413	2	22.44	21.55	30.00	PASS
Band4	1413	3	22.37	21.48	30.00	PASS
Band4	1413	4	22.38	21.49	30.00	PASS
Band4	1513	1	21.84	20.95	30.00	PASS
Band4	1513	2	22.46	21.57	30.00	PASS
Band4	1513	3	22.43	21.54	30.00	PASS
Band4	1513	4	22.45	21.56	30.00	PASS
Band5	4132	1	22.58	19.85	38.5	PASS
Band5	4132	2	22.44	19.71	38.5	PASS
Band5	4132	3	21.98	19.25	38.5	PASS
Band5	4132	4	22.05	19.32	38.5	PASS
Band5	4183	1	22.75	20.02	38.5	PASS
Band5	4183	2	22.55	19.82	38.5	PASS
Band5	4183	3	22.08	19.35	38.5	PASS
Band5	4183	4	22.08	19.35	38.5	PASS
Band5	4233	1	22.78	20.05	38.5	PASS
Band5	4233	2	22.54	19.81	38.5	PASS
Band5	4233	3	22.12	19.39	38.5	PASS
Band5	4233	4	22.19	19.46	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.13	20.09	33.01	PASS
Band2	9262	2	21.86	20.82	33.01	PASS
Band2	9262	3	21.61	20.57	33.01	PASS
Band2	9262	4	21.94	20.9	33.01	PASS
Band2	9262	5	23.68	22.64	33.01	PASS
Band2	9400	1	21.67	20.63	33.01	PASS
Band2	9400	2	22.24	21.2	33.01	PASS
Band2	9400	3	21.96	20.92	33.01	PASS
Band2	9400	4	22.33	21.29	33.01	PASS
Band2	9400	5	23.71	22.67	33.01	PASS
Band2	9538	1	21.95	20.91	33.01	PASS
Band2	9538	2	22.37	21.33	33.01	PASS
Band2	9538	3	22.15	21.11	33.01	PASS

Band2	9538	4	22.45	21.41	33.01	PASS
Band2	9538	5	23.84	22.8	33.01	PASS
Band4	1312	1	20.94	20.05	30.00	PASS
Band4	1312	2	20.85	19.96	30.00	PASS
Band4	1312	3	20.85	19.96	30.00	PASS
Band4	1312	4	20.92	20.03	30.00	PASS
Band4	1312	5	22.67	21.78	30.00	PASS
Band4	1413	1	20.84	19.95	30.00	PASS
Band4	1413	2	20.61	19.72	30.00	PASS
Band4	1413	3	20.85	19.96	30.00	PASS
Band4	1413	4	20.68	19.79	30.00	PASS
Band4	1413	5	22.37	21.48	30.00	PASS
Band4	1513	1	20.77	19.88	30.00	PASS
Band4	1513	2	20.68	19.79	30.00	PASS
Band4	1513	3	20.93	20.04	30.00	PASS
Band4	1513	4	20.77	19.88	30.00	PASS
Band4	1513	5	22.38	21.49	30.00	PASS
Band5	4132	1	21.32	18.59	38.5	PASS
Band5	4132	2	21.55	18.82	38.5	PASS
Band5	4132	3	21.25	18.52	38.5	PASS
Band5	4132	4	21.10	18.37	38.5	PASS
Band5	4132	5	22.49	19.76	38.5	PASS
Band5	4183	1	21.36	18.63	38.5	PASS
Band5	4183	2	21.34	18.61	38.5	PASS
Band5	4183	3	21.32	18.59	38.5	PASS
Band5	4183	4	21.16	18.43	38.5	PASS
Band5	4183	5	22.61	19.88	38.5	PASS
Band5	4233	1	21.51	18.78	38.5	PASS
Band5	4233	2	21.78	19.05	38.5	PASS
Band5	4233	3	21.45	18.72	38.5	PASS
Band5	4233	4	21.31	18.58	38.5	PASS
Band5	4233	5	22.61	19.88	38.5	PASS

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

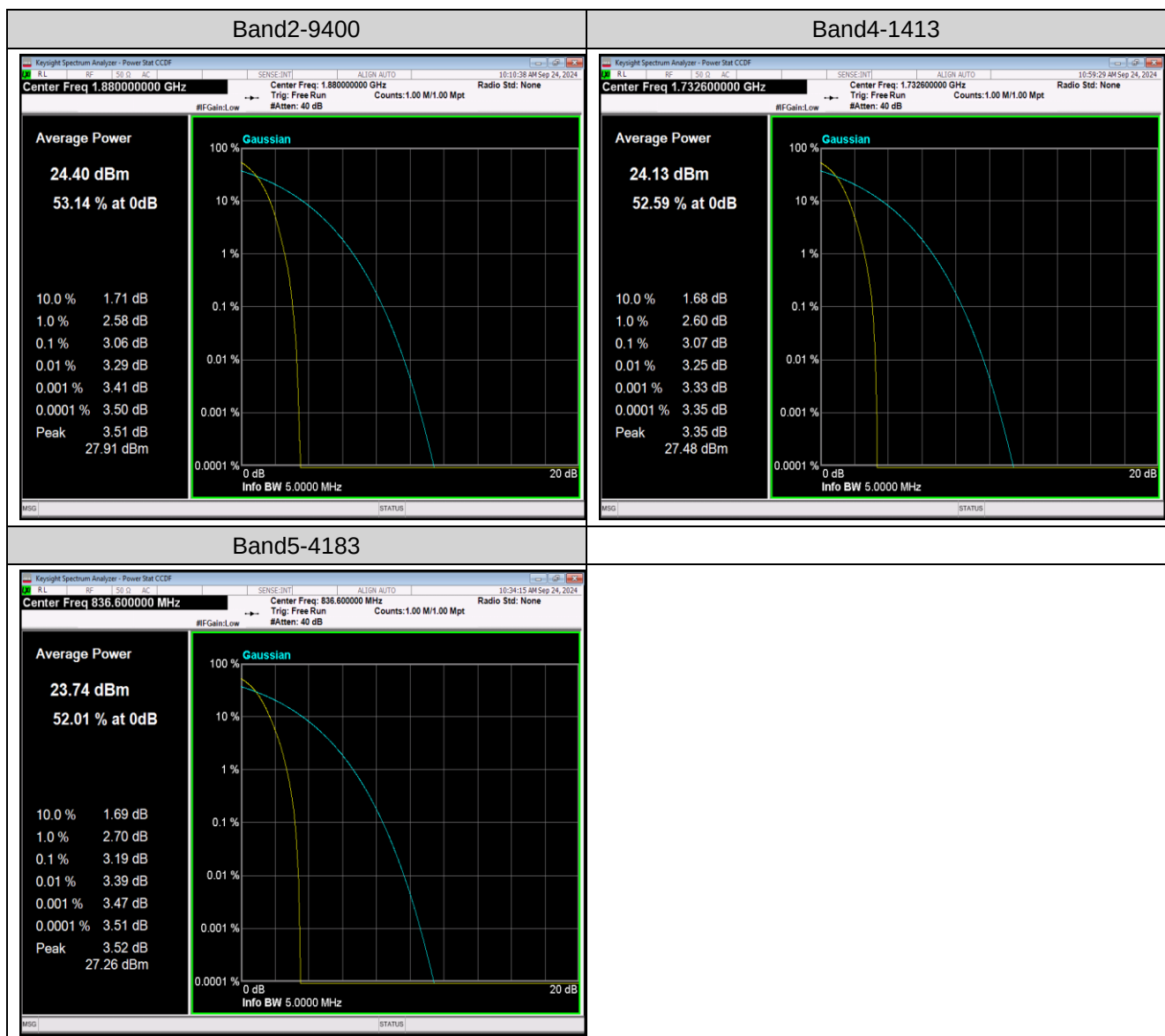
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.06	13	PASS
Band4	1413	3.07	13	PASS
Band5	4183	3.19	13	PASS

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

Test Graphs(WCDMA)

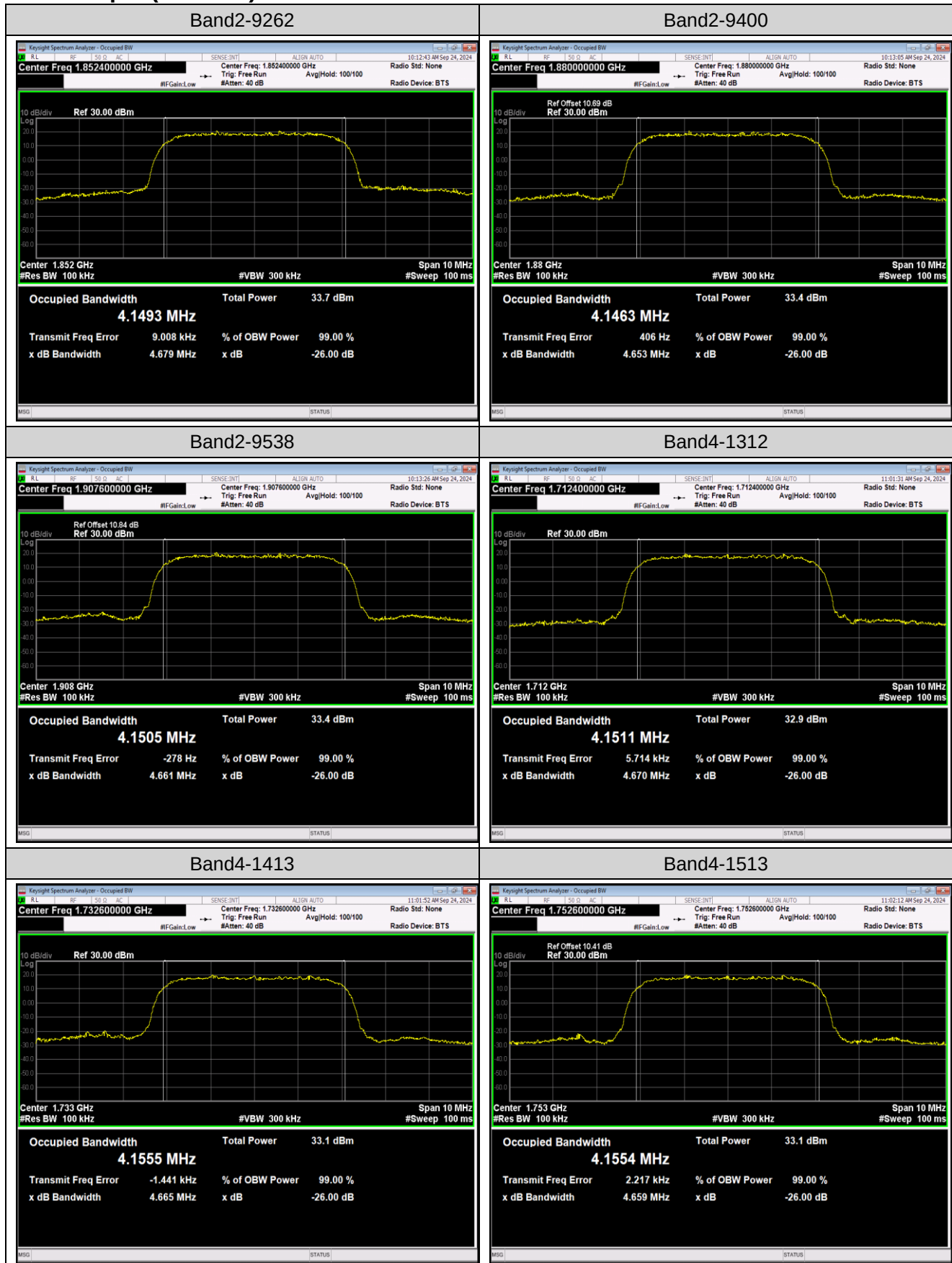


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1493	4.679	---	PASS
Band2	9400	4.1463	4.653	---	PASS
Band2	9538	4.1505	4.661	---	PASS
Band4	1312	4.1511	4.670	---	PASS
Band4	1413	4.1555	4.665	---	PASS
Band4	1513	4.1554	4.659	---	PASS
Band5	4132	4.1475	4.661	---	PASS
Band5	4183	4.1460	4.648	---	PASS
Band5	4233	4.1209	4.637	---	PASS

Test Graphs(WCDMA)



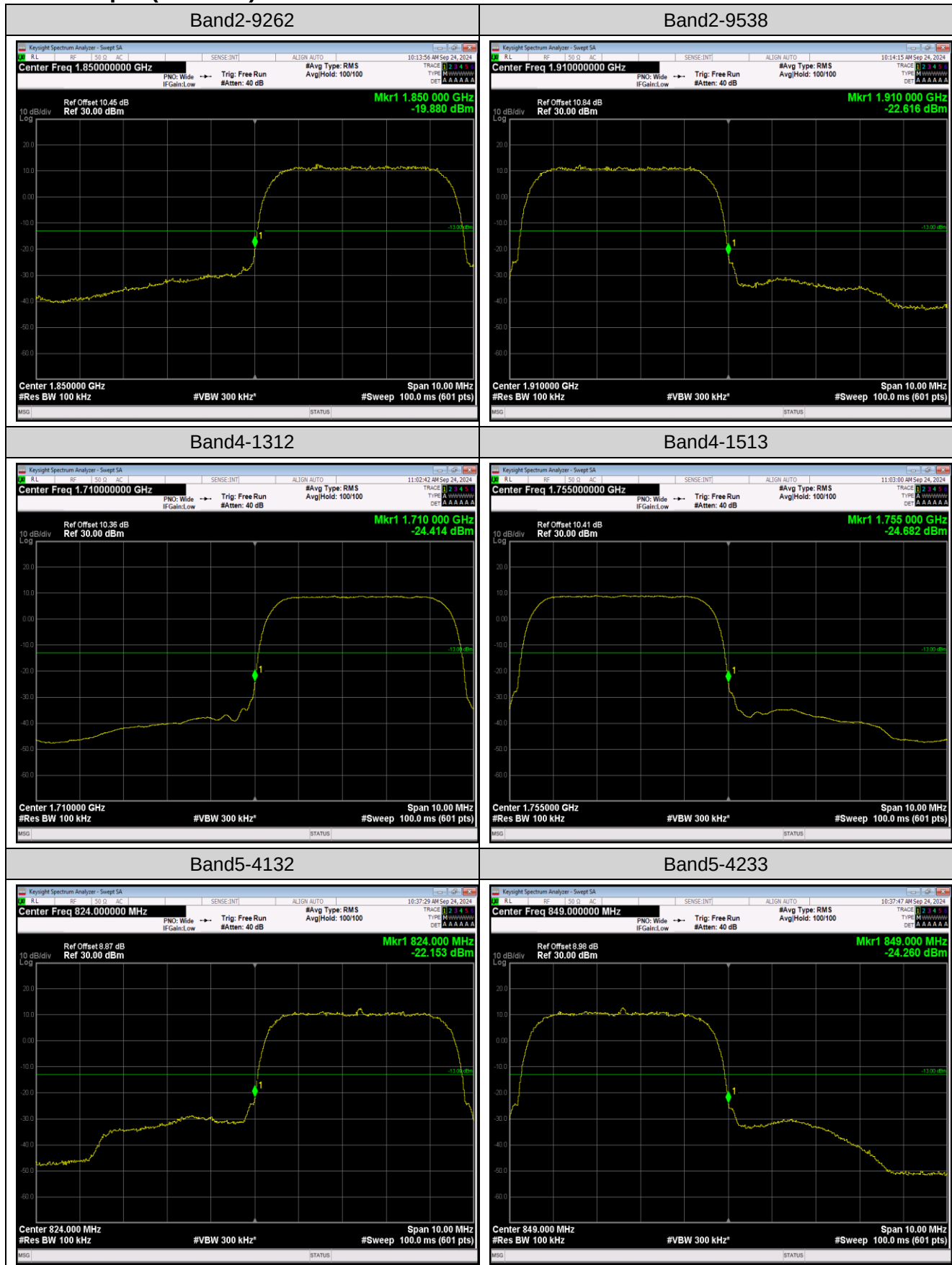


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.88	-13	PASS
Band2	9538	1910.00	-22.62	-13	PASS
Band4	1312	1710.00	-24.41	-13	PASS
Band4	1513	1755.00	-24.68	-13	PASS
Band5	4132	824.00	-22.15	-13	PASS
Band5	4233	849.00	-24.26	-13	PASS

Test Graphs(WCDMA)



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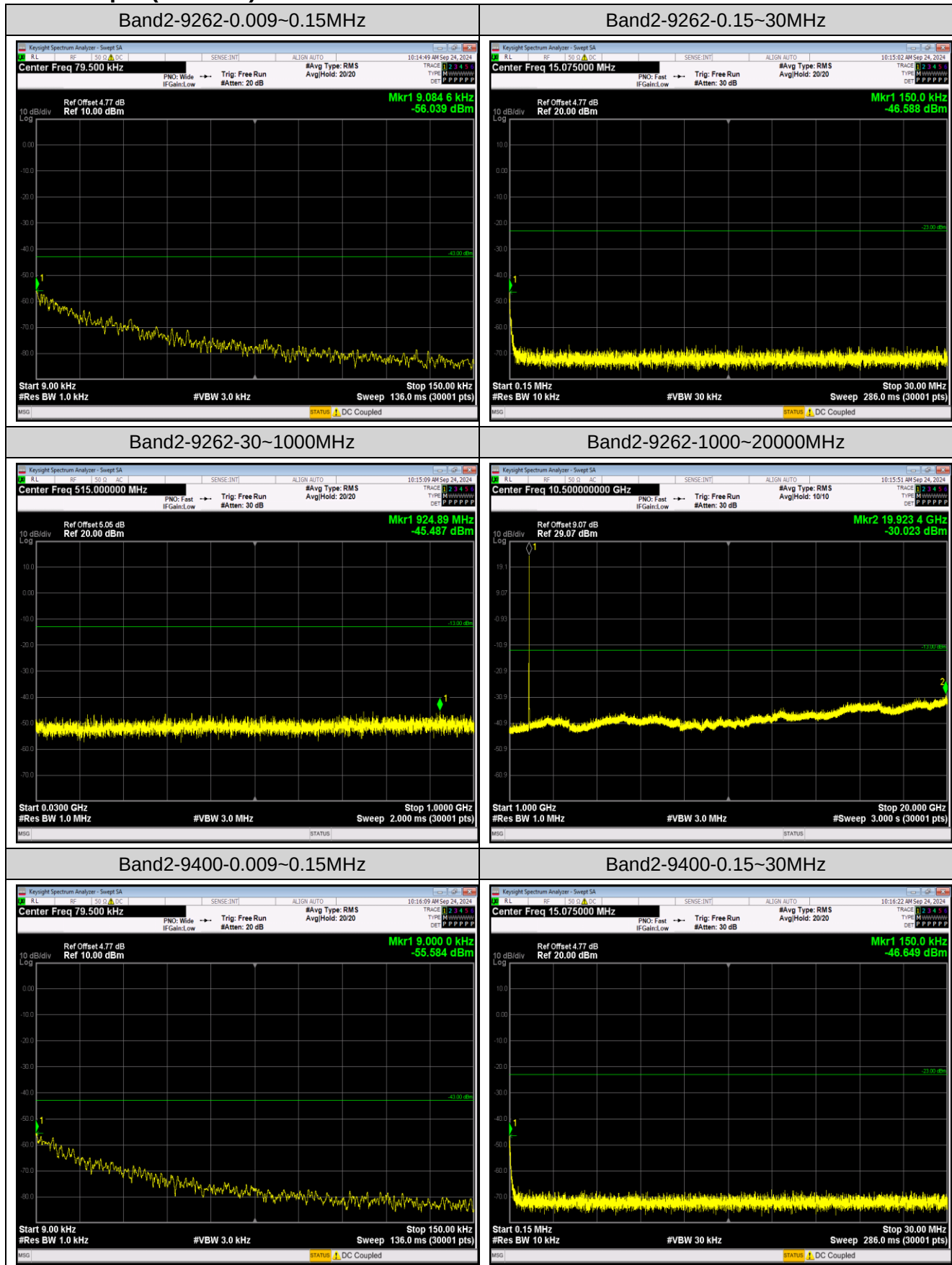
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-56.04	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.59	-23	PASS
Band2	9262	30~1000MHz	924.89	-45.49	-13	PASS
Band2	9262	1000~20000MHz	19923.37	-30.02	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.58	-43	PASS
Band2	9400	0.15~30MHz	0.15	-46.65	-23	PASS
Band2	9400	30~1000MHz	528.16	-44.82	-13	PASS
Band2	9400	1000~20000MHz	19935.4	-30.67	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.27	-43	PASS
Band2	9538	0.15~30MHz	0.15	-47.12	-23	PASS
Band2	9538	30~1000MHz	397.73	-44.82	-13	PASS
Band2	9538	1000~20000MHz	19959.47	-30.61	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-57.17	-43	PASS
Band4	1312	0.15~30MHz	0.16	-48.57	-23	PASS
Band4	1312	30~1000MHz	801.12	-45.71	-13	PASS
Band4	1312	1000~20000MHz	19939.83	-30.97	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.6	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.67	-23	PASS
Band4	1413	30~1000MHz	951.66	-45.39	-13	PASS
Band4	1413	1000~20000MHz	19518.03	-30.48	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.24	-43	PASS
Band4	1513	0.15~30MHz	0.16	-47.69	-23	PASS
Band4	1513	30~1000MHz	910.95	-44.87	-13	PASS
Band4	1513	1000~20000MHz	19918.3	-30.69	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.65	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.41	-13	PASS
Band5	4132	30~1000MHz	972.78	-54.11	-13	PASS
Band5	4132	1000~10000MHz	5975.8	-36.76	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-54.27	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.14	-13	PASS
Band5	4183	30~1000MHz	943.38	-54.54	-13	PASS
Band5	4183	1000~10000MHz	6014.8	-36.51	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.45	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.78	-13	PASS
Band5	4233	30~1000MHz	670.3	-54.73	-13	PASS
Band5	4233	1000~10000MHz	6009.4	-36.4	-13	PASS

Test Graphs(WCDMA)

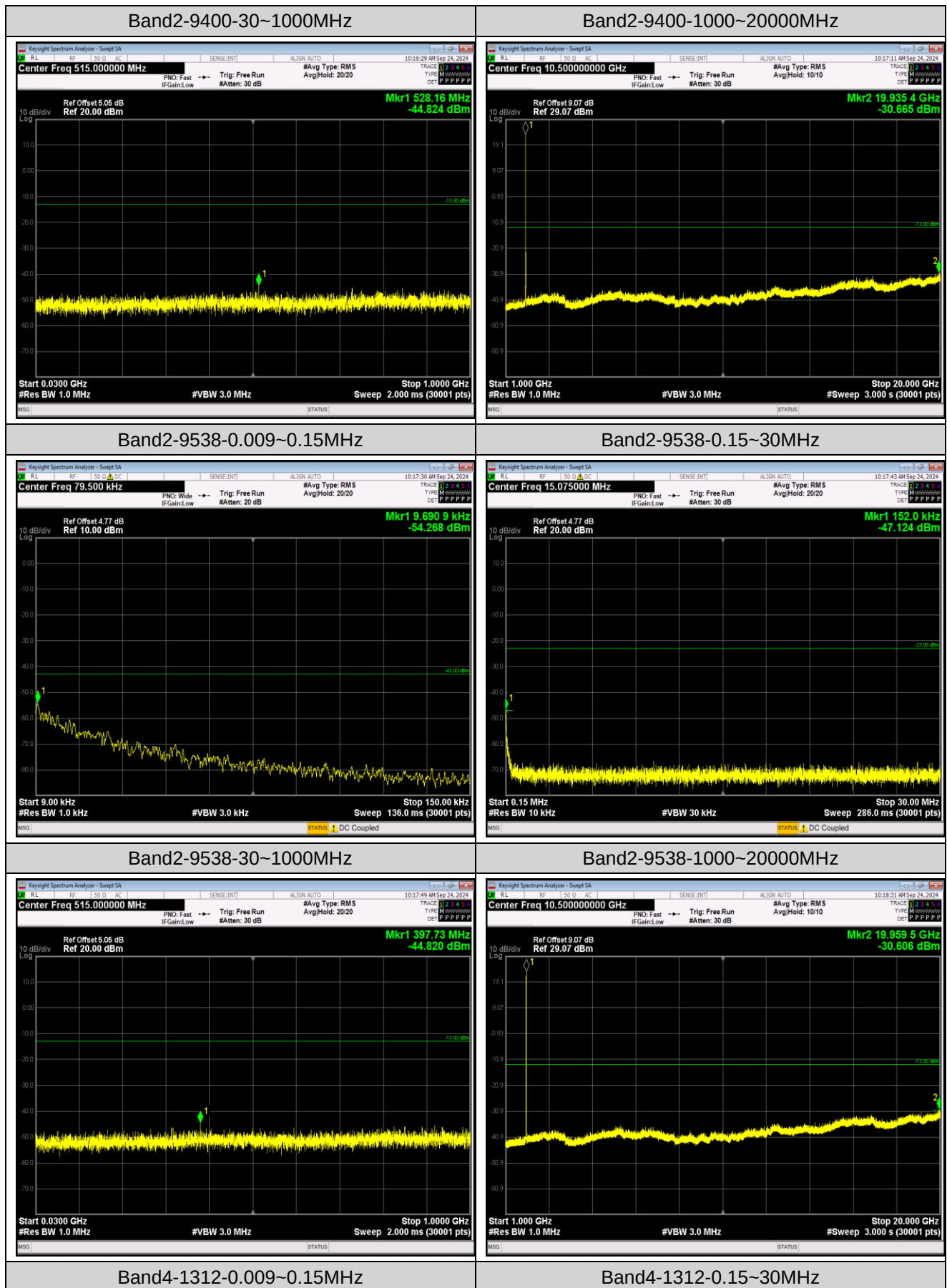


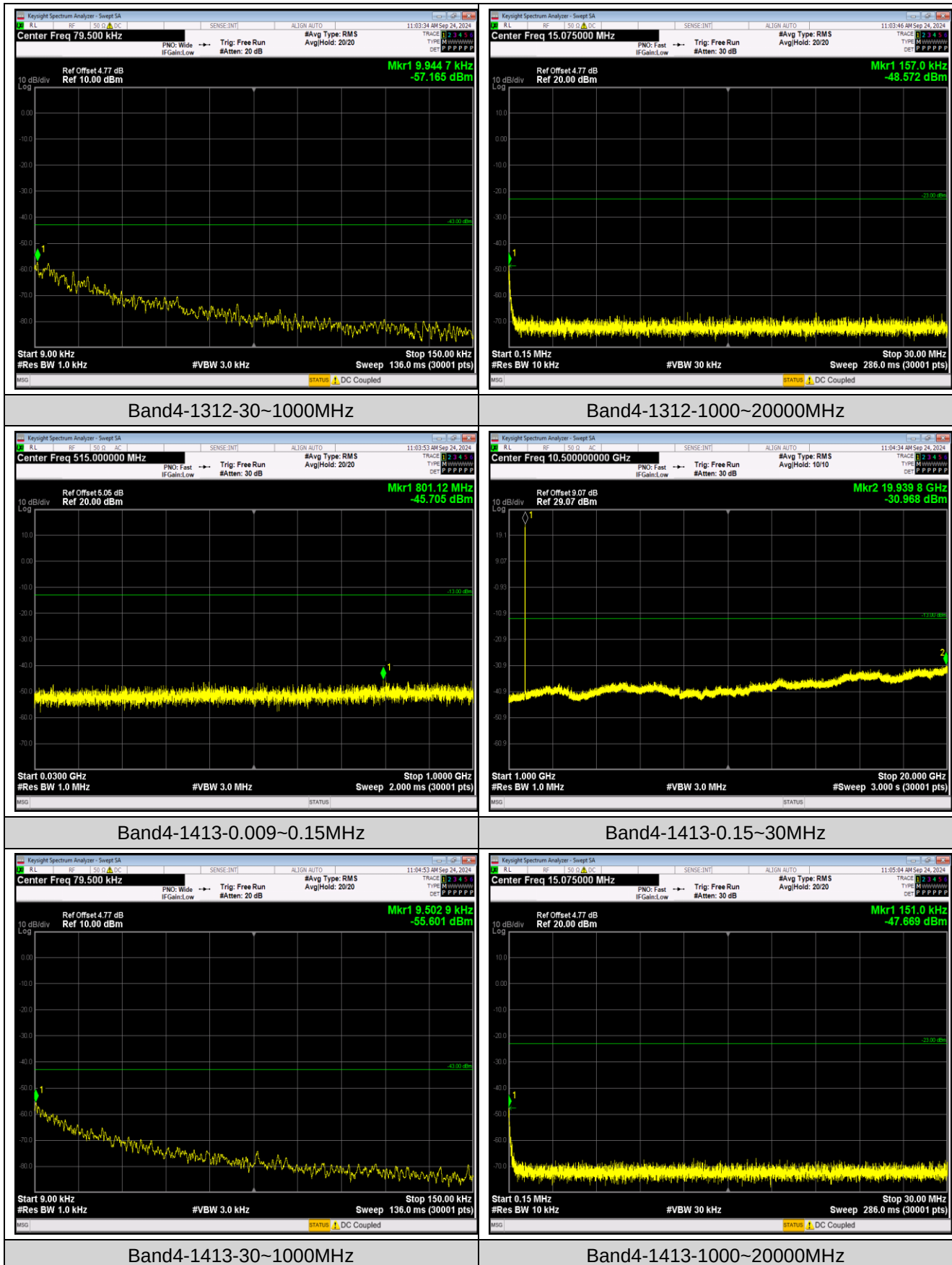
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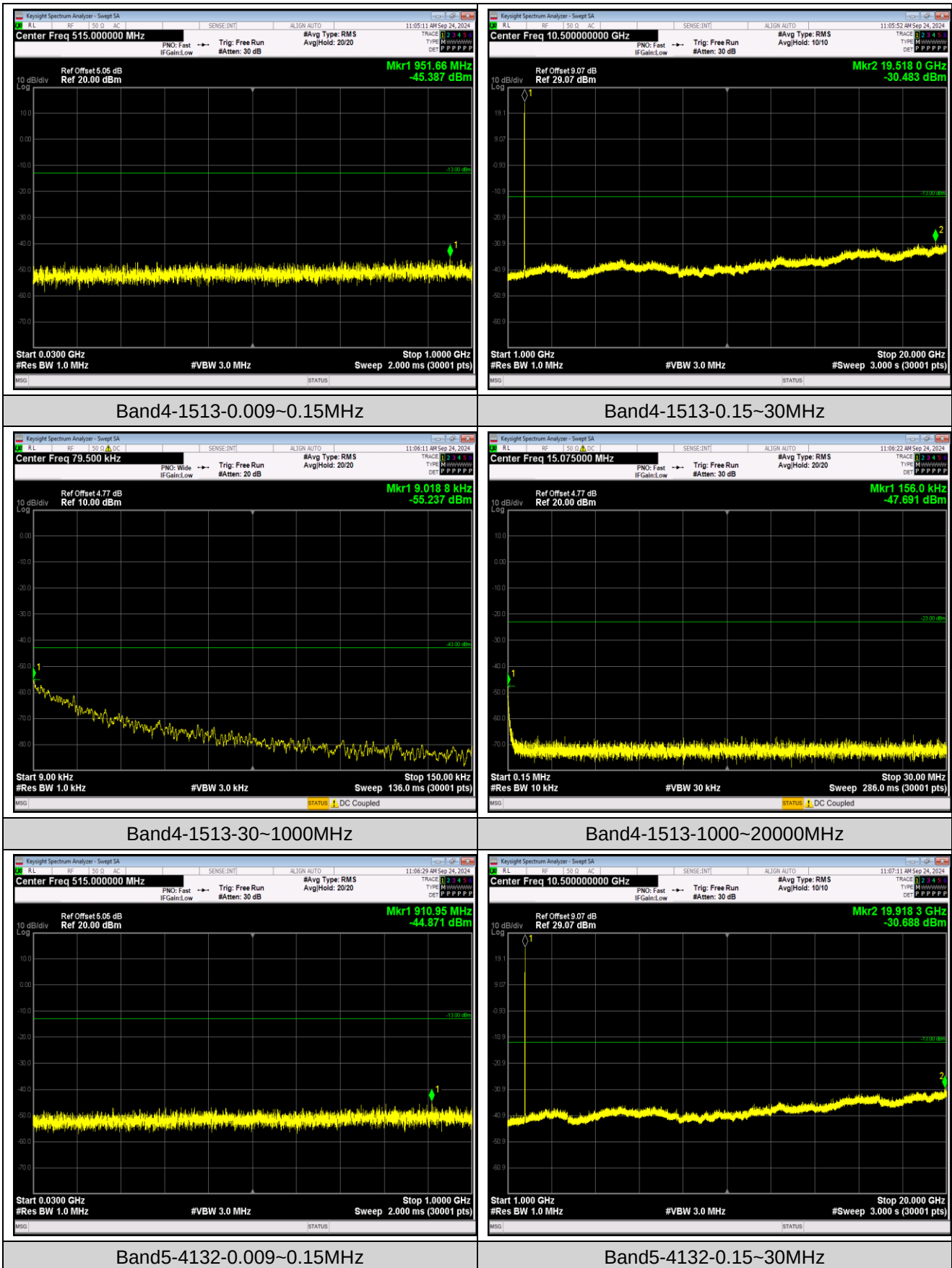
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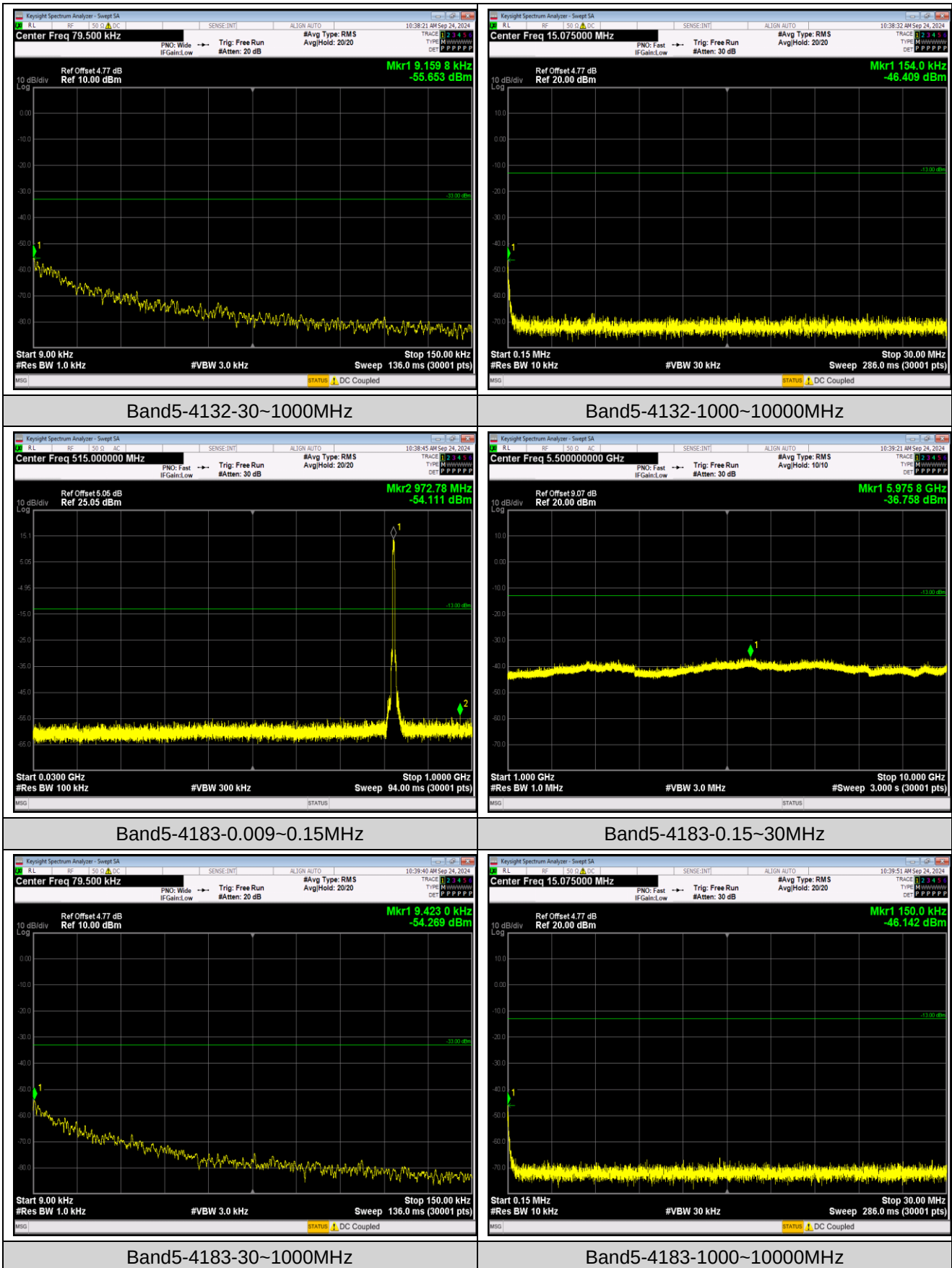
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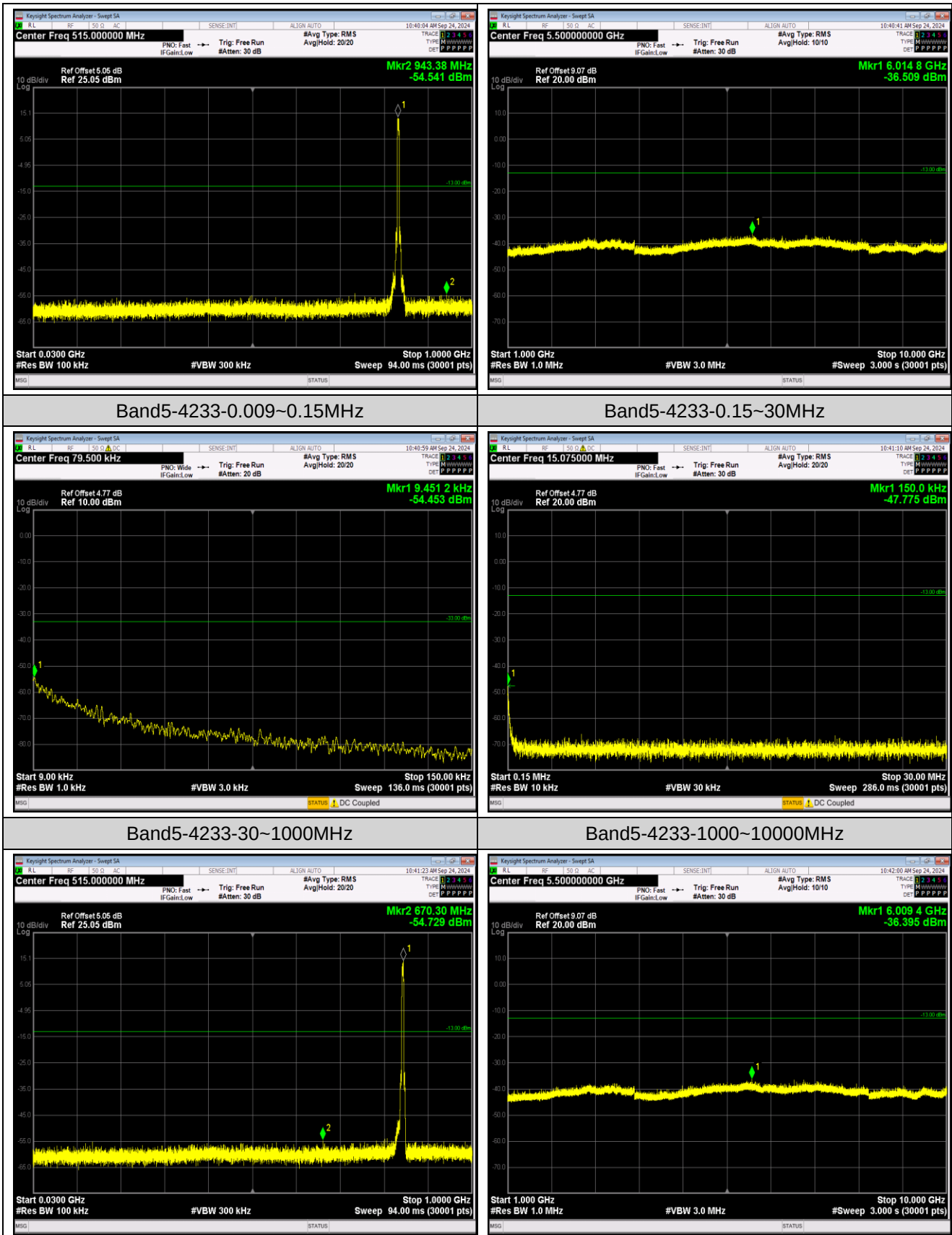
Project No.: JYTSZR2409037











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	1.82	0.002175	±2.5	Pass
	-20	-0.25	-0.000299		
	-10	1.43	0.001709		
	0	0.18	0.000215		
	10	-0.36	-0.000430		
	20	0.72	0.000861		
	30	2.27	0.002713		
	40	-0.44	-0.000526		
	50	-0.38	-0.000454		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-0.72	-0.000861	±2.5	Pass
	3.85	0.61	0.000729		
	4.40	1.72	0.002056		
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	4.48	0.002586	Within authorized band for BAND IV	Pass
	-20	3.71	0.002141		
	-10	-2.79	-0.001610		
	0	-0.99	-0.000571		
	10	1.95	0.001125		
	20	-4.25	-0.002453		
	30	-4.57	-0.002638		
	40	-1.39	-0.000802		
	50	4.44	0.002563		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-5.06	-0.002920	Within authorized band for BAND IV	Pass
	3.85	-1.63	-0.000941		
	4.40	8.88	0.005125		
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		
3.85	-30	-8.33	-0.004431	Within authorized band for BAND II	Pass
	-20	3.05	0.001622		
	-10	6.13	0.003261		
	0	-4.98	-0.002649		
	10	-2.26	-0.001202		
	20	-1.67	-0.000888		
	30	0.18	0.000096		
	40	-2.03	-0.001080		
	50	-7.20	-0.003830		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-6.23	-0.003314	Within authorized band for BAND II	Pass
	3.85	6.95	0.003697		
	4.40	-1.66	-0.000883		
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

