

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	23.71	20.59	33.01	PASS
Band2	TestMode	9262	23.72	20.6	33.01	PASS
Band2	TestMode	9400	23.99	20.87	33.01	PASS
Band2	Voice	9400	24.02	20.9	33.01	PASS
Band2	TestMode	9538	23.97	20.85	33.01	PASS
Band2	Voice	9538	24.00	20.88	33.01	PASS
Band4	Voice	1312	23.83	19.38	30.00	PASS
Band4	TestMode	1312	23.95	19.5	30.00	PASS
Band4	Voice	1413	23.79	19.34	30.00	PASS
Band4	TestMode	1413	23.82	19.37	30.00	PASS
Band4	TestMode	1513	23.81	19.36	30.00	PASS
Band4	Voice	1513	23.75	19.3	30.00	PASS
Band5	Voice	4132	24.13	15.64	38.45	PASS
Band5	TestMode	4132	24.10	15.61	38.45	PASS
Band5	TestMode	4183	24.21	15.72	38.45	PASS
Band5	Voice	4183	24.24	15.75	38.45	PASS
Band5	Voice	4233	24.11	15.62	38.45	PASS
Band5	TestMode	4233	24.14	15.65	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.74	20.62	33.01	PASS
Band2	9262	2	23.11	19.99	33.01	PASS
Band2	9262	3	23.17	20.05	33.01	PASS
Band2	9262	4	23.18	20.06	33.01	PASS
Band2	9400	1	23.99	20.87	33.01	PASS
Band2	9400	2	23.37	20.25	33.01	PASS
Band2	9400	3	23.45	20.33	33.01	PASS
Band2	9400	4	23.45	20.33	33.01	PASS
Band2	9538	1	23.98	20.86	33.01	PASS
Band2	9538	2	23.37	20.25	33.01	PASS
Band2	9538	3	23.46	20.34	33.01	PASS
Band2	9538	4	23.42	20.3	33.01	PASS

Band4	1312	1	23.94	19.49	30.00	PASS
Band4	1312	2	23.37	18.92	30.00	PASS
Band4	1312	3	23.39	18.94	30.00	PASS
Band4	1312	4	23.36	18.91	30.00	PASS
Band4	1413	1	23.84	19.39	30.00	PASS
Band4	1413	2	23.23	18.78	30.00	PASS
Band4	1413	3	23.26	18.81	30.00	PASS
Band4	1413	4	23.21	18.76	30.00	PASS
Band4	1513	1	23.84	19.39	30.00	PASS
Band4	1513	2	23.24	18.79	30.00	PASS
Band4	1513	3	23.25	18.8	30.00	PASS
Band4	1513	4	23.19	18.74	30.00	PASS
Band5	4132	1	23.16	14.67	38.5	PASS
Band5	4132	2	22.62	14.13	38.5	PASS
Band5	4132	3	22.59	14.1	38.5	PASS
Band5	4132	4	22.57	14.08	38.5	PASS
Band5	4183	1	23.29	14.8	38.5	PASS
Band5	4183	2	22.74	14.25	38.5	PASS
Band5	4183	3	22.72	14.23	38.5	PASS
Band5	4183	4	22.70	14.21	38.5	PASS
Band5	4233	1	23.21	14.72	38.5	PASS
Band5	4233	2	22.66	14.17	38.5	PASS
Band5	4233	3	22.65	14.16	38.5	PASS
Band5	4233	4	22.63	14.14	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.68	18.56	33.01	PASS
Band2	9262	2	22.18	19.06	33.01	PASS
Band2	9262	3	22.65	19.53	33.01	PASS
Band2	9262	4	21.73	18.61	33.01	PASS
Band2	9262	5	23.71	20.59	33.01	PASS
Band2	9400	1	21.93	18.81	33.01	PASS
Band2	9400	2	22.45	19.33	33.01	PASS
Band2	9400	3	22.91	19.79	33.01	PASS
Band2	9400	4	21.95	18.83	33.01	PASS
Band2	9400	5	23.93	20.81	33.01	PASS
Band2	9538	1	21.97	18.85	33.01	PASS
Band2	9538	2	22.37	19.25	33.01	PASS
Band2	9538	3	22.89	19.77	33.01	PASS

Band2	9538	4	21.91	18.79	33.01	PASS
Band2	9538	5	23.96	20.84	33.01	PASS
Band4	1312	1	21.93	17.48	30.00	PASS
Band4	1312	2	22.38	17.93	30.00	PASS
Band4	1312	3	22.90	18.45	30.00	PASS
Band4	1312	4	21.91	17.46	30.00	PASS
Band4	1312	5	23.94	19.49	30.00	PASS
Band4	1413	1	21.78	17.33	30.00	PASS
Band4	1413	2	22.27	17.82	30.00	PASS
Band4	1413	3	22.78	18.33	30.00	PASS
Band4	1413	4	21.75	17.3	30.00	PASS
Band4	1413	5	23.81	19.36	30.00	PASS
Band4	1513	1	21.81	17.36	30.00	PASS
Band4	1513	2	22.27	17.82	30.00	PASS
Band4	1513	3	22.79	18.34	30.00	PASS
Band4	1513	4	21.76	17.31	30.00	PASS
Band4	1513	5	23.78	19.33	30.00	PASS
Band5	4132	1	22.18	13.69	38.5	PASS
Band5	4132	2	22.65	14.16	38.5	PASS
Band5	4132	3	23.17	14.68	38.5	PASS
Band5	4132	4	22.13	13.64	38.5	PASS
Band5	4132	5	24.14	15.65	38.5	PASS
Band5	4183	1	22.28	13.79	38.5	PASS
Band5	4183	2	22.74	14.25	38.5	PASS
Band5	4183	3	23.27	14.78	38.5	PASS
Band5	4183	4	22.27	13.78	38.5	PASS
Band5	4183	5	24.27	15.78	38.5	PASS
Band5	4233	1	22.21	13.72	38.5	PASS
Band5	4233	2	22.69	14.2	38.5	PASS
Band5	4233	3	23.22	14.73	38.5	PASS
Band5	4233	4	22.18	13.69	38.5	PASS
Band5	4233	5	24.23	15.74	38.5	PASS

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

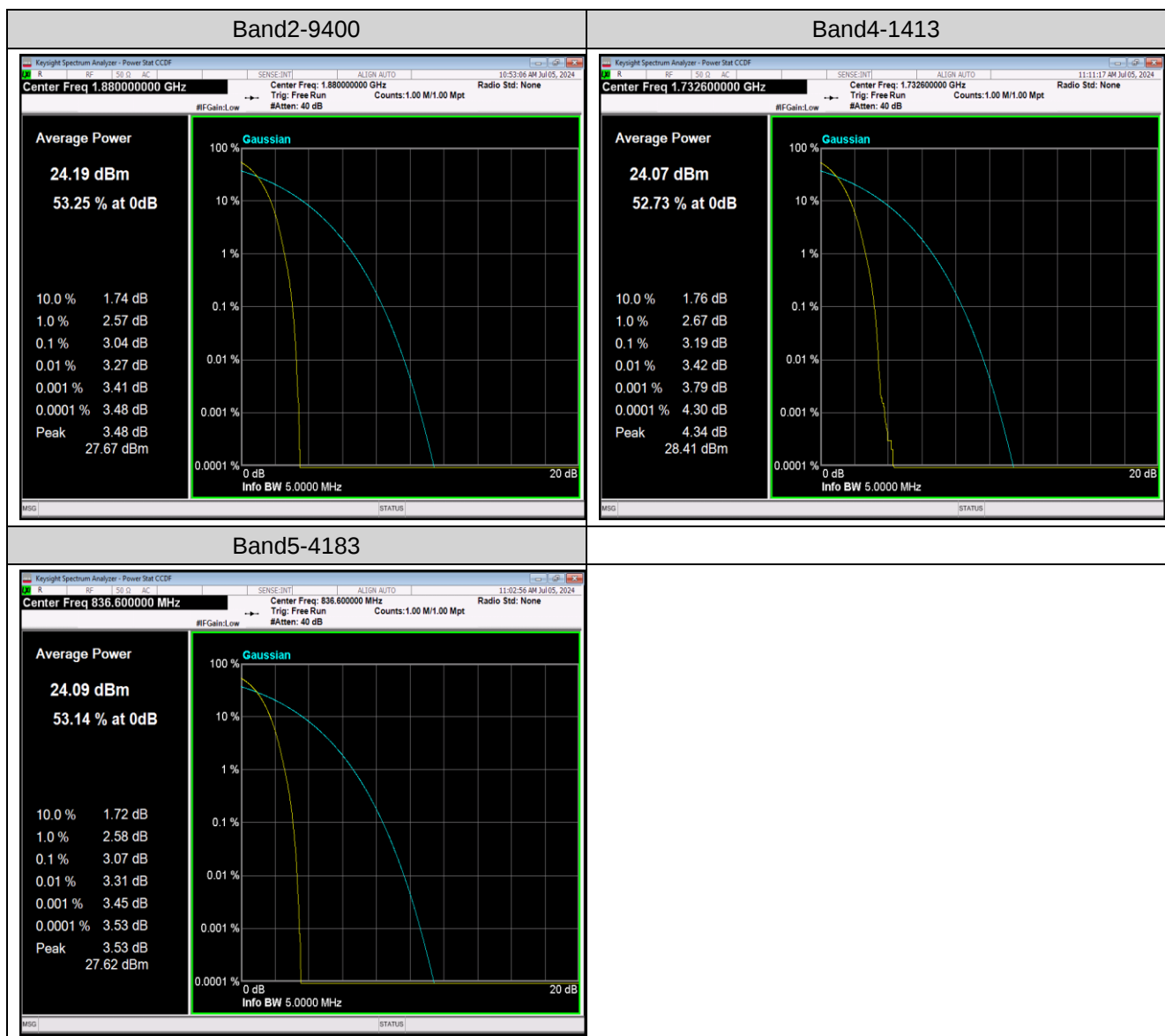
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.04	13	PASS
Band4	1413	3.19	13	PASS
Band5	4183	3.07	13	PASS

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

Test Graphs(WCDMA)

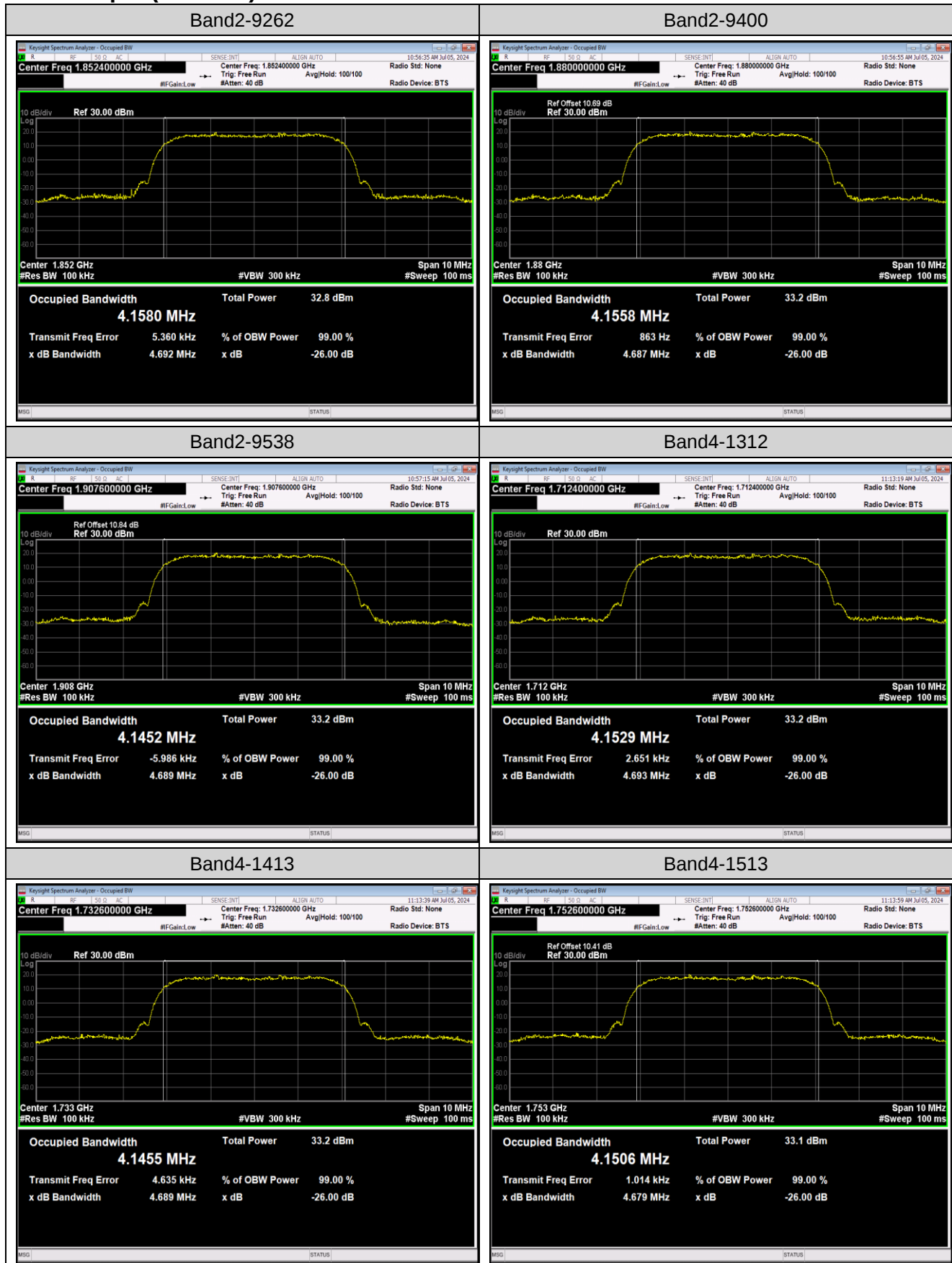


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1580	4.692	---	PASS
Band2	9400	4.1558	4.687	---	PASS
Band2	9538	4.1452	4.689	---	PASS
Band4	1312	4.1529	4.693	---	PASS
Band4	1413	4.1455	4.689	---	PASS
Band4	1513	4.1506	4.679	---	PASS
Band5	4132	4.1522	4.693	---	PASS
Band5	4183	4.1534	4.696	---	PASS
Band5	4233	4.1494	4.684	---	PASS

Test Graphs(WCDMA)



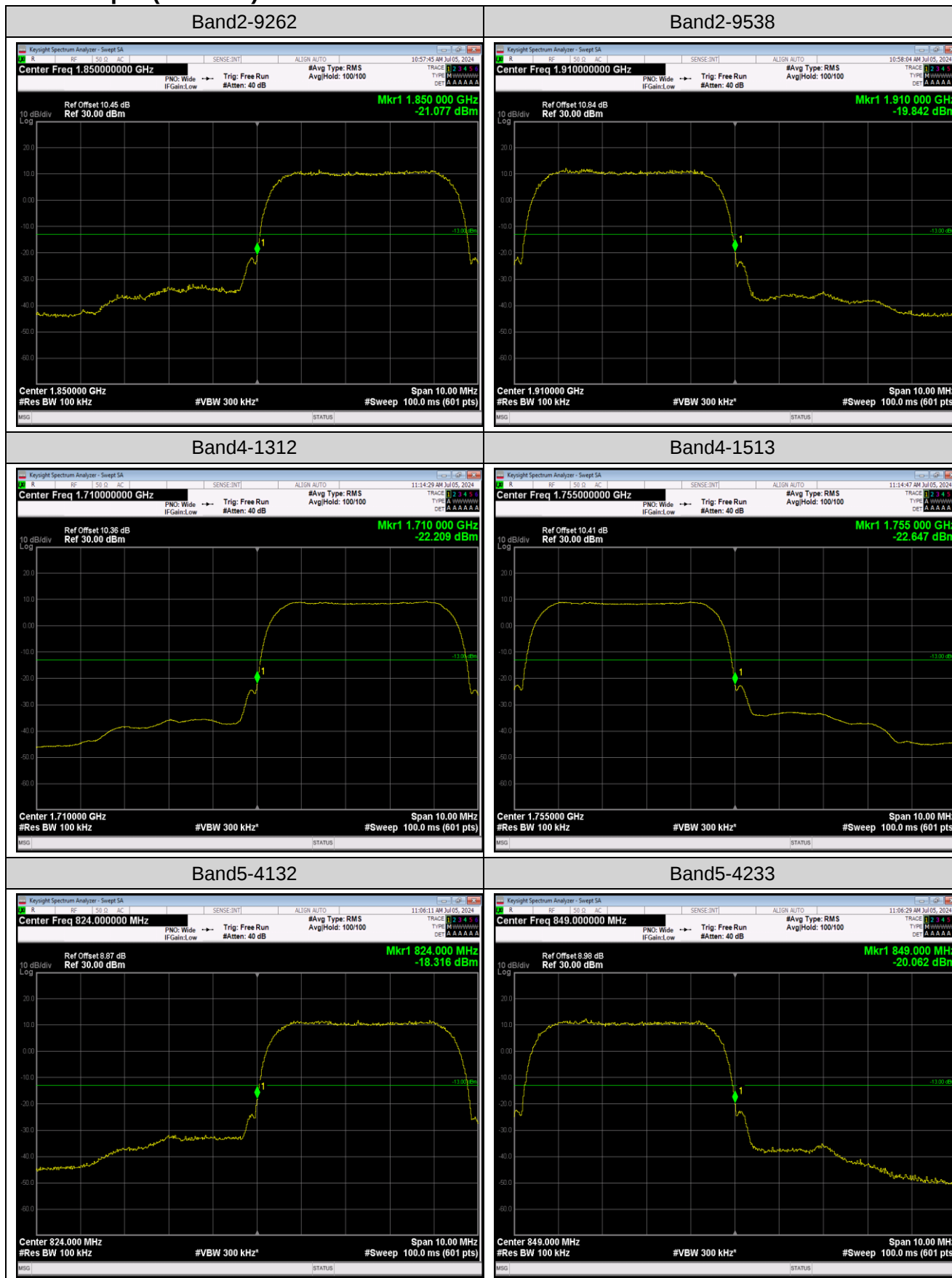


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-21.08	-13	PASS
Band2	9538	1910.00	-19.84	-13	PASS
Band4	1312	1710.00	-22.21	-13	PASS
Band4	1513	1755.00	-22.65	-13	PASS
Band5	4132	824.00	-18.32	-13	PASS
Band5	4233	849.00	-20.06	-13	PASS

Test Graphs(WCDMA)



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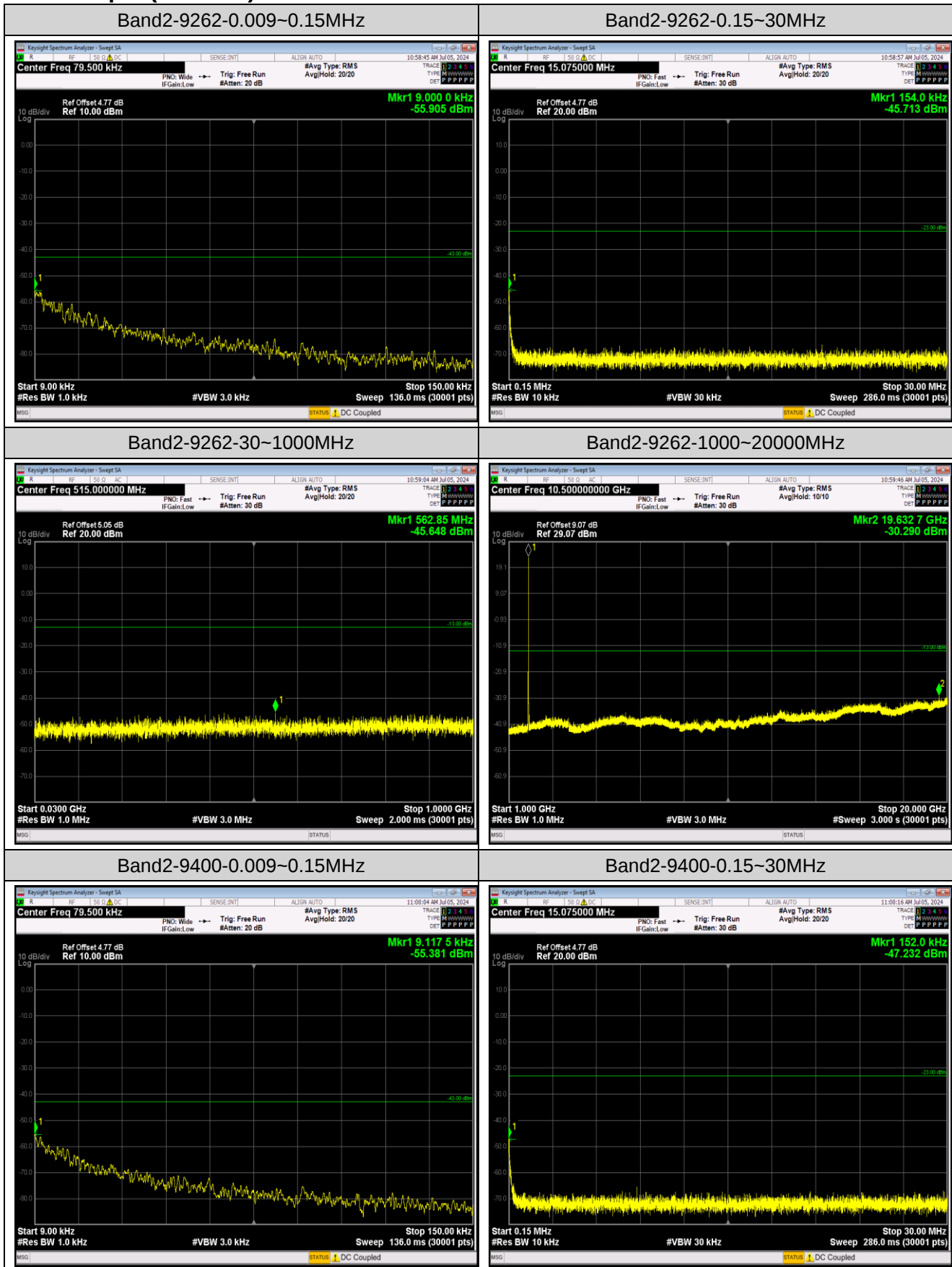
Project No.: JYTSZR2406068

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	-55.91	-43	PASS
Band2	9262	0.15~30MHz	0.15	-45.71	-23	PASS
Band2	9262	30~1000MHz	562.85	-45.65	-13	PASS
Band2	9262	1000~20000MHz	19632.67	-30.29	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.38	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.23	-23	PASS
Band2	9400	30~1000MHz	963.66	-44.94	-13	PASS
Band2	9400	1000~20000MHz	19905.63	-30.23	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.84	-43	PASS
Band2	9538	0.15~30MHz	0.15	-48.14	-23	PASS
Band2	9538	30~1000MHz	527.48	-46.02	-13	PASS
Band2	9538	1000~20000MHz	19807.47	-30.26	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-54.26	-43	PASS
Band4	1312	0.15~30MHz	0.16	-47.78	-23	PASS
Band4	1312	30~1000MHz	775.25	-45.4	-13	PASS
Band4	1312	1000~20000MHz	19041.13	-30.38	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.55	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.48	-23	PASS
Band4	1413	30~1000MHz	957.93	-45.68	-13	PASS
Band4	1413	1000~20000MHz	19998.73	-30.27	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.02	-43	PASS
Band4	1513	0.15~30MHz	0.16	-47.84	-23	PASS
Band4	1513	30~1000MHz	828.12	-45.3	-13	PASS
Band4	1513	1000~20000MHz	19841.67	-30.8	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.73	-33	PASS
Band5	4132	0.15~30MHz	0.16	-47.29	-13	PASS
Band5	4132	30~1000MHz	674.08	-54.98	-13	PASS
Band5	4132	1000~10000MHz	7317.7	-36.4	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.67	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.69	-13	PASS
Band5	4183	30~1000MHz	556.58	-54.85	-13	PASS
Band5	4183	1000~10000MHz	6081.7	-36.36	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.77	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.65	-13	PASS
Band5	4233	30~1000MHz	961.36	-54.35	-13	PASS
Band5	4233	1000~10000MHz	5254.3	-36.7	-13	PASS

Test Graphs(WCDMA)

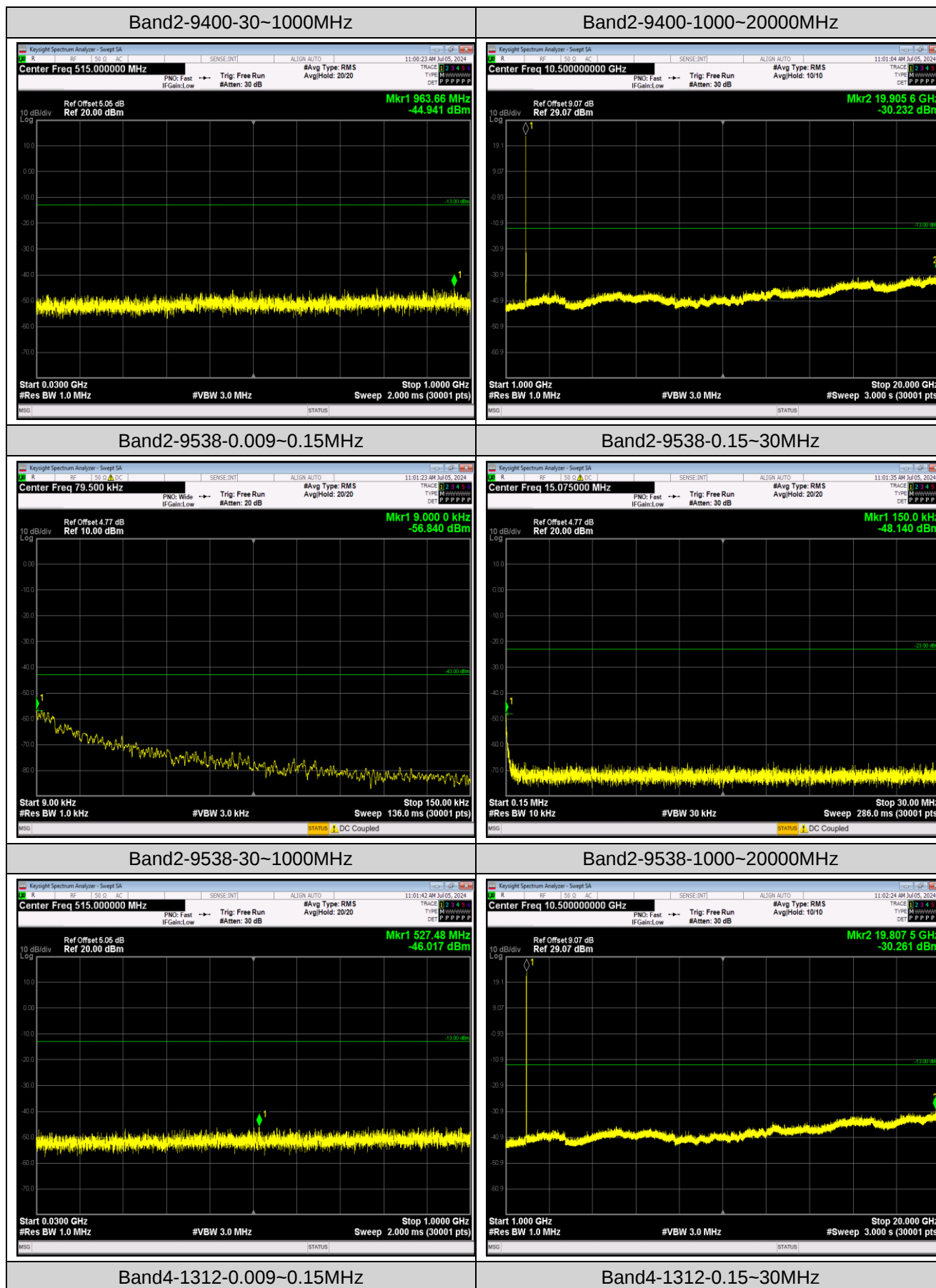


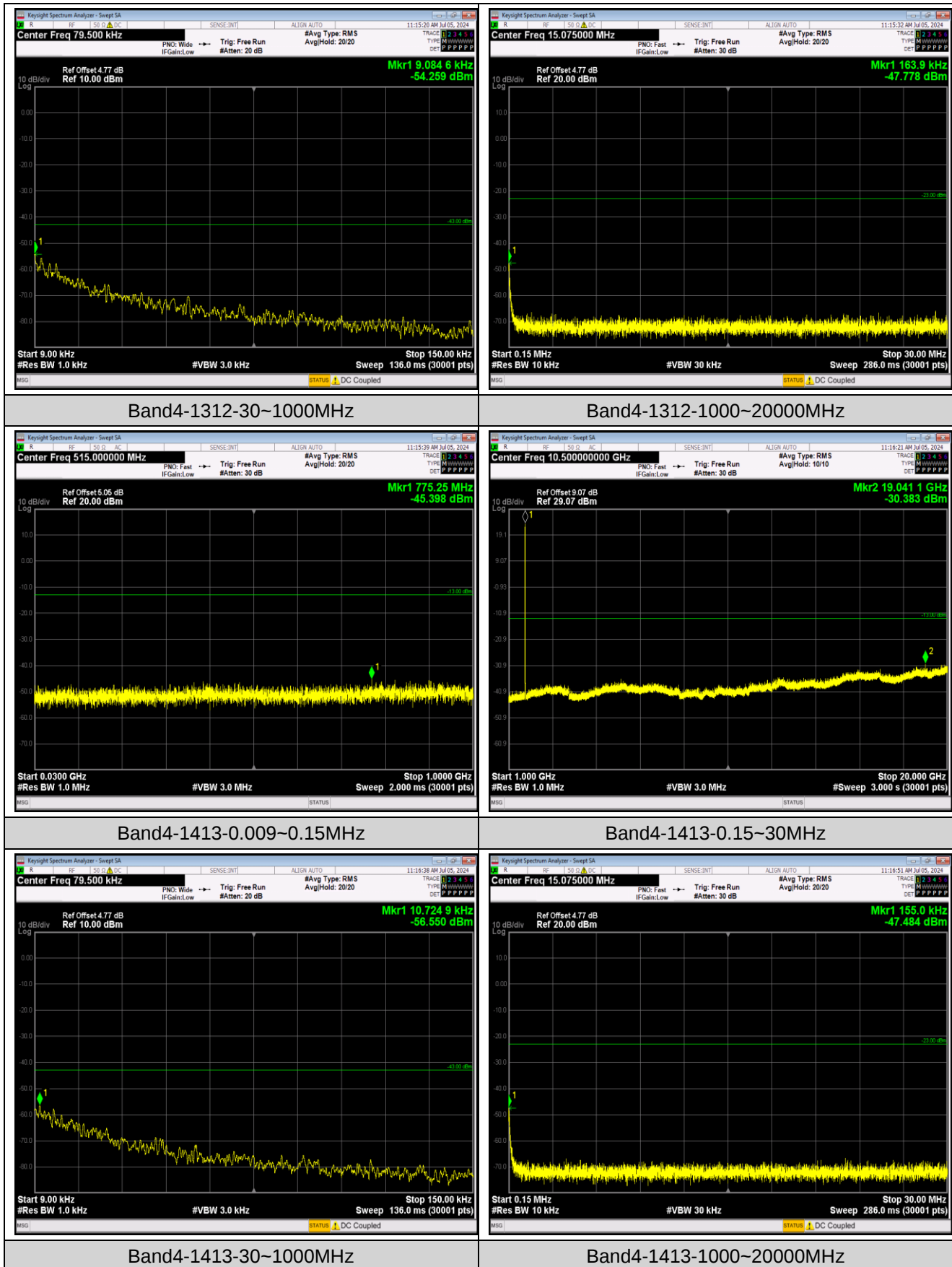
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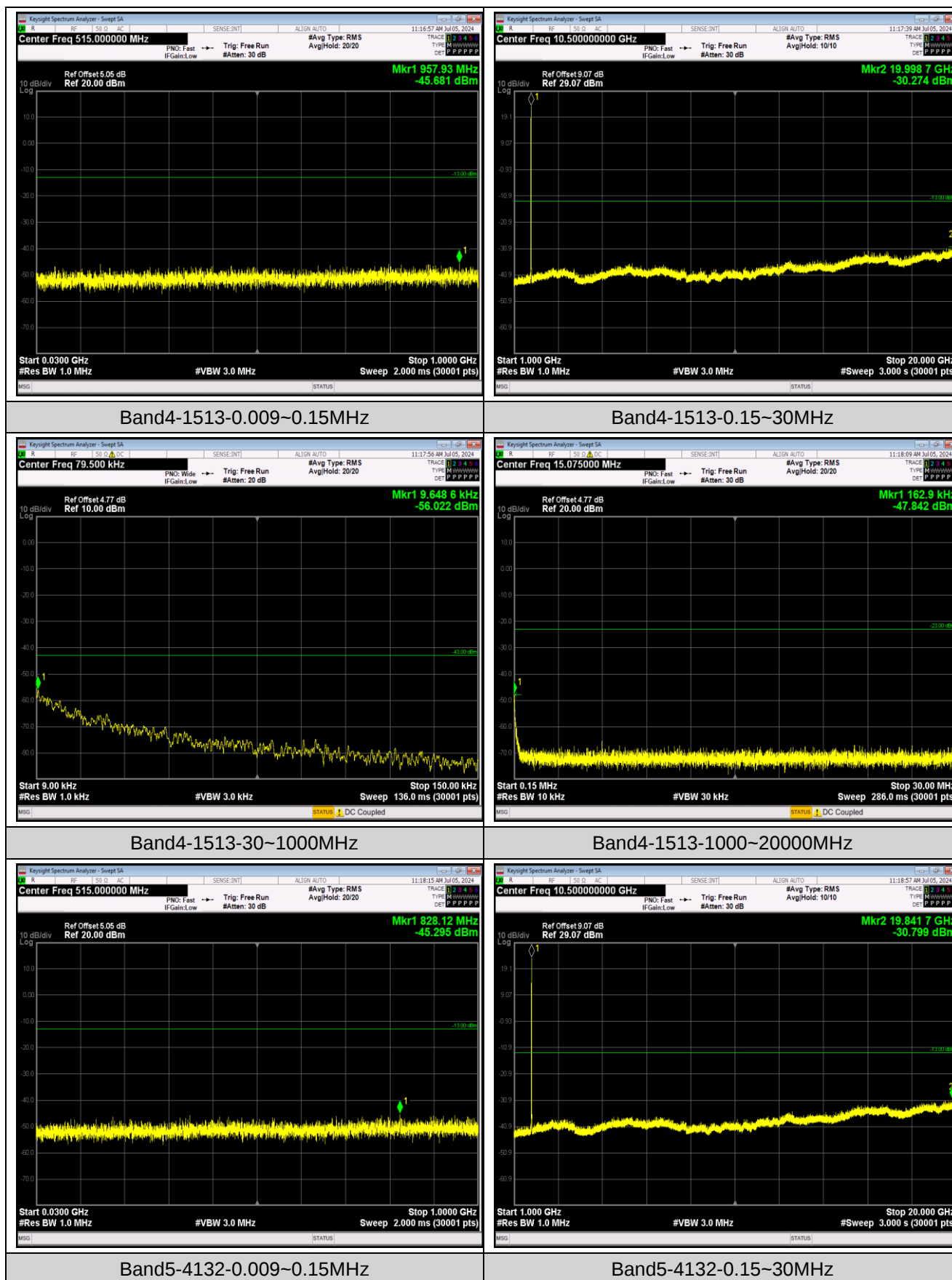
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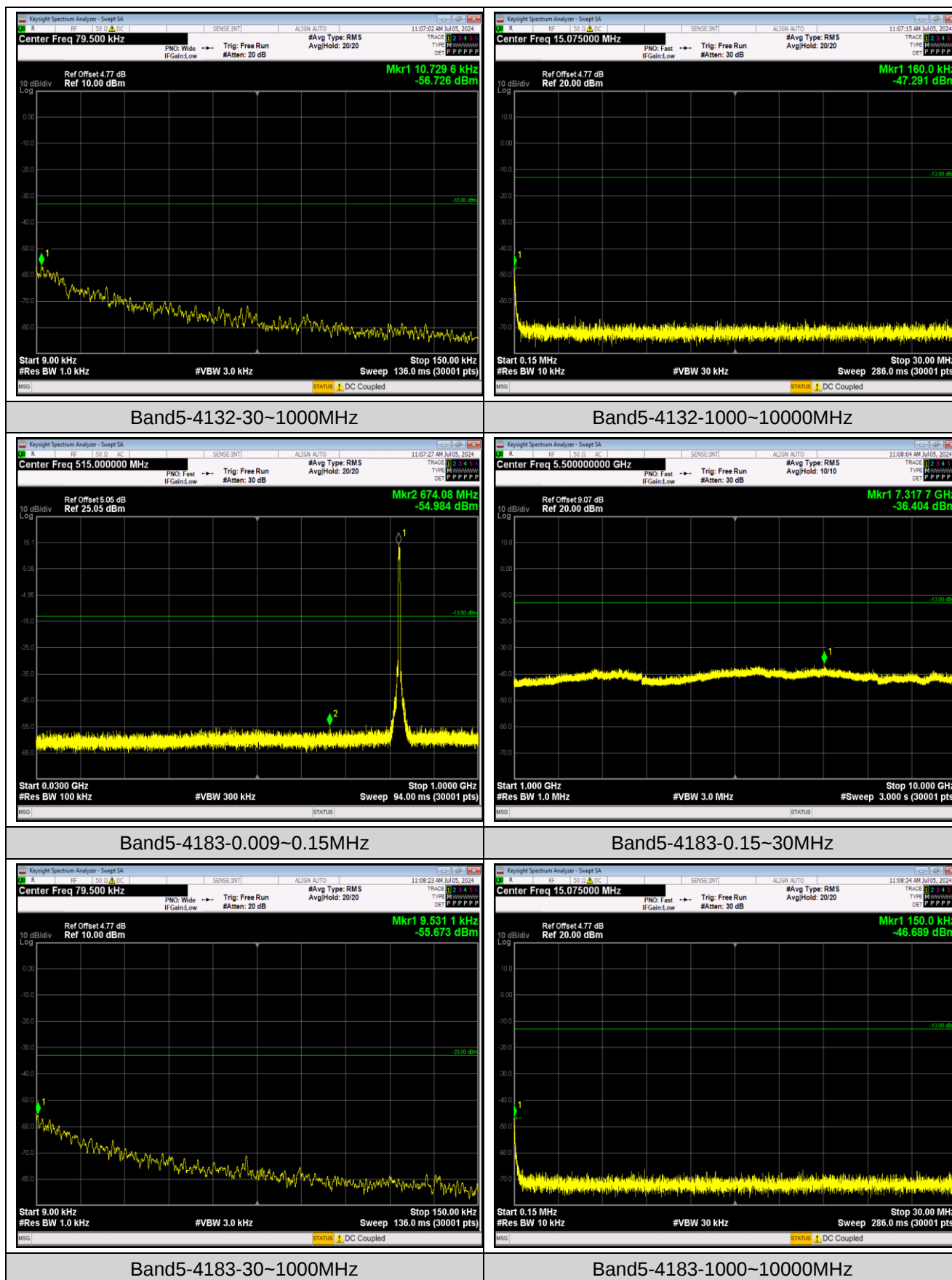
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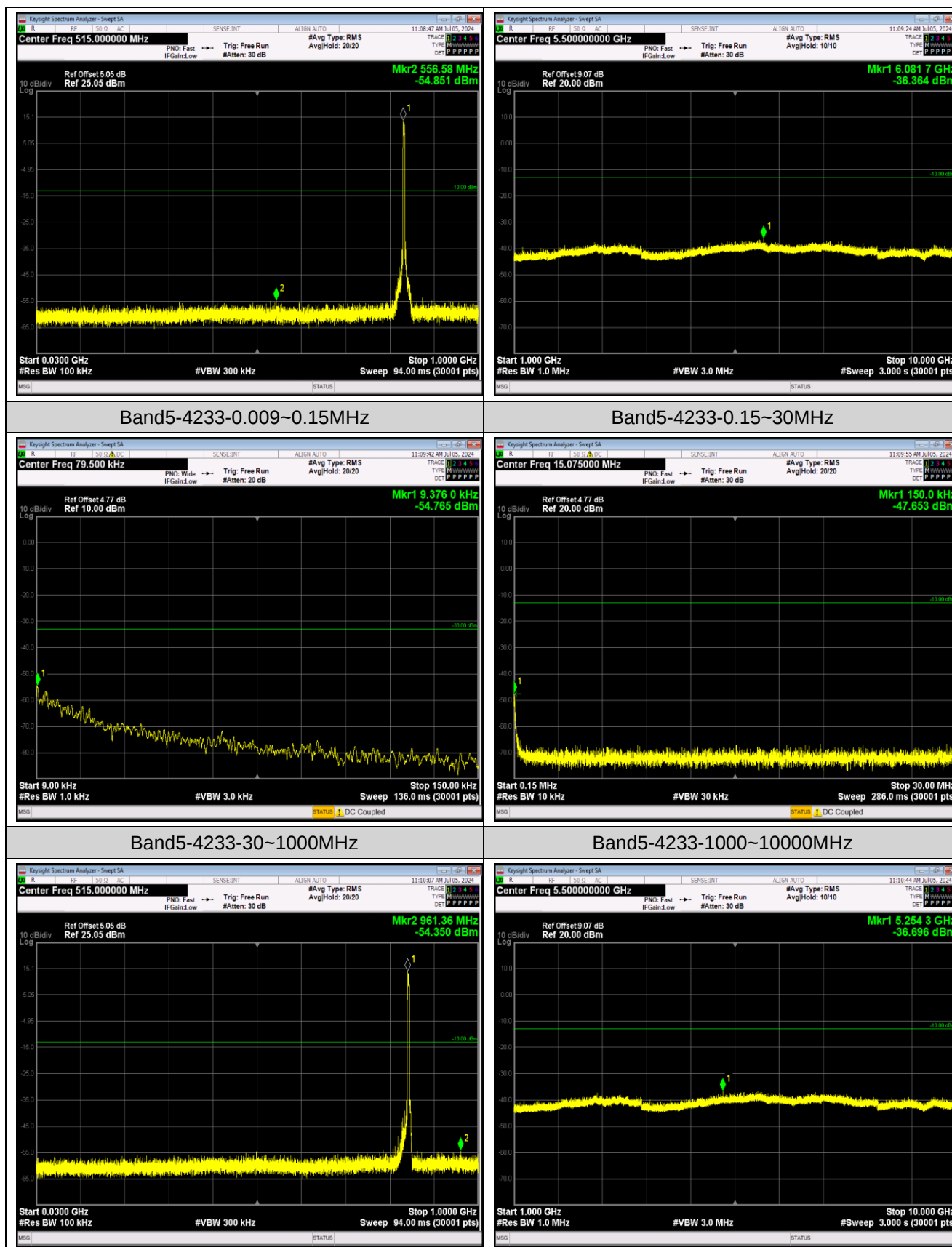
Project No.: JYTSZR2406068











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	-1.33	-0.001590	±2.5	Pass
	-20	-3.50	-0.004184		
	-10	-2.46	-0.002940		
	0	-2.17	-0.002594		
	10	-1.80	-0.002152		
	20	-0.99	-0.001183		
	30	-1.42	-0.001697		
	40	-2.93	-0.003502		
	50	-2.44	-0.002917		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-4.93	-0.005893	±2.5	Pass
	3.87	-5.09	-0.006084		
	4.45	-4.29	-0.005128		
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	-4.34	-0.002505	Within authorized band for BAND IV	Pass
	-20	-1.83	-0.001056		
	-10	-1.98	-0.001143		
	0	-1.57	-0.000906		
	10	-2.75	-0.001587		
	20	-3.31	-0.001910		
	30	-2.73	-0.001576		
	40	-1.82	-0.001050		
	50	-1.90	-0.001097		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-3.33	-0.001922	Within authorized band for BAND IV	Pass
	3.87	-3.25	-0.001876		
	4.45	-2.26	-0.001304		
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		
3.87	-30	-2.05	-0.001090	Within authorized band for BAND II	Pass
	-20	-1.80	-0.000957		
	-10	-2.16	-0.001149		
	0	-4.06	-0.002160		
	10	-0.67	-0.000356		
	20	-2.85	-0.001516		
	30	-4.56	-0.002426		
	40	-0.38	-0.000202		
	50	-1.43	-0.000761		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-3.51	-0.001867	Within authorized band for BAND II	Pass
	3.87	-4.96	-0.002638		
	4.45	-3.63	-0.001931		
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

