

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	21.79	20.76	33.01	PASS
Band2	TestMode	9262	21.84	20.81	33.01	PASS
Band2	TestMode	9400	22.24	21.21	33.01	PASS
Band2	Voice	9400	22.20	21.17	33.01	PASS
Band2	TestMode	9538	21.95	20.92	33.01	PASS
Band2	Voice	9538	21.93	20.9	33.01	PASS
Band4	Voice	1312	22.91	22.9	30.00	PASS
Band4	TestMode	1312	22.97	22.96	30.00	PASS
Band4	Voice	1413	23.51	23.5	30.00	PASS
Band4	TestMode	1413	23.60	23.59	30.00	PASS
Band4	TestMode	1513	23.60	23.59	30.00	PASS
Band4	Voice	1513	23.53	23.52	30.00	PASS
Band5	Voice	4132	22.28	19.63	38.45	PASS
Band5	TestMode	4132	22.29	19.64	38.45	PASS
Band5	TestMode	4183	22.51	19.86	38.45	PASS
Band5	Voice	4183	22.45	19.8	38.45	PASS
Band5	Voice	4233	22.38	19.73	38.45	PASS
Band5	TestMode	4233	22.40	19.75	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.32	20.29	33.01	PASS
Band2	9262	2	21.05	20.02	33.01	PASS
Band2	9262	3	20.87	19.84	33.01	PASS
Band2	9262	4	20.95	19.92	33.01	PASS
Band2	9400	1	21.27	20.24	33.01	PASS
Band2	9400	2	20.91	19.88	33.01	PASS
Band2	9400	3	20.77	19.74	33.01	PASS
Band2	9400	4	20.87	19.84	33.01	PASS
Band2	9538	1	21.62	20.59	33.01	PASS
Band2	9538	2	21.27	20.24	33.01	PASS
Band2	9538	3	21.12	20.09	33.01	PASS
Band2	9538	4	21.22	20.19	33.01	PASS

Band4	1312	1	22.40	22.39	30.00	PASS
Band4	1312	2	22.30	22.29	30.00	PASS
Band4	1312	3	22.21	22.2	30.00	PASS
Band4	1312	4	22.20	22.19	30.00	PASS
Band4	1413	1	22.34	22.33	30.00	PASS
Band4	1413	2	22.32	22.31	30.00	PASS
Band4	1413	3	22.27	22.26	30.00	PASS
Band4	1413	4	22.27	22.26	30.00	PASS
Band4	1513	1	22.67	22.66	30.00	PASS
Band4	1513	2	22.58	22.57	30.00	PASS
Band4	1513	3	22.50	22.49	30.00	PASS
Band4	1513	4	22.45	22.44	30.00	PASS
Band5	4132	1	21.46	18.81	38.5	PASS
Band5	4132	2	21.24	18.59	38.5	PASS
Band5	4132	3	20.81	18.16	38.5	PASS
Band5	4132	4	20.88	18.23	38.5	PASS
Band5	4183	1	21.36	18.71	38.5	PASS
Band5	4183	2	21.13	18.48	38.5	PASS
Band5	4183	3	20.68	18.03	38.5	PASS
Band5	4183	4	20.73	18.08	38.5	PASS
Band5	4233	1	21.06	18.41	38.5	PASS
Band5	4233	2	20.82	18.17	38.5	PASS
Band5	4233	3	20.34	17.69	38.5	PASS
Band5	4233	4	20.40	17.75	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	18.99	17.96	33.01	PASS
Band2	9262	2	19.58	18.55	33.01	PASS
Band2	9262	3	19.38	18.35	33.01	PASS
Band2	9262	4	19.63	18.6	33.01	PASS
Band2	9262	5	21.28	20.25	33.01	PASS
Band2	9400	1	19.17	18.14	33.01	PASS
Band2	9400	2	19.59	18.56	33.01	PASS
Band2	9400	3	19.37	18.34	33.01	PASS
Band2	9400	4	19.64	18.61	33.01	PASS
Band2	9400	5	21.18	20.15	33.01	PASS
Band2	9538	1	19.19	18.16	33.01	PASS
Band2	9538	2	19.59	18.56	33.01	PASS
Band2	9538	3	19.35	18.32	33.01	PASS

Band2	9538	4	19.64	18.61	33.01	PASS
Band2	9538	5	21.33	20.3	33.01	PASS
Band4	1312	1	22.04	22.03	30.00	PASS
Band4	1312	2	22.10	22.09	30.00	PASS
Band4	1312	3	22.02	22.01	30.00	PASS
Band4	1312	4	22.09	22.08	30.00	PASS
Band4	1312	5	22.37	22.36	30.00	PASS
Band4	1413	1	22.28	22.27	30.00	PASS
Band4	1413	2	22.00	21.99	30.00	PASS
Band4	1413	3	22.11	22.1	30.00	PASS
Band4	1413	4	22.03	22.02	30.00	PASS
Band4	1413	5	22.40	22.39	30.00	PASS
Band4	1513	1	22.51	22.5	30.00	PASS
Band4	1513	2	22.43	22.42	30.00	PASS
Band4	1513	3	22.33	22.32	30.00	PASS
Band4	1513	4	22.42	22.41	30.00	PASS
Band4	1513	5	22.65	22.64	30.00	PASS
Band5	4132	1	19.91	17.26	38.5	PASS
Band5	4132	2	20.28	17.63	38.5	PASS
Band5	4132	3	20.04	17.39	38.5	PASS
Band5	4132	4	19.83	17.18	38.5	PASS
Band5	4132	5	21.31	18.66	38.5	PASS
Band5	4183	1	20.27	17.62	38.5	PASS
Band5	4183	2	20.37	17.72	38.5	PASS
Band5	4183	3	20.14	17.49	38.5	PASS
Band5	4183	4	19.93	17.28	38.5	PASS
Band5	4183	5	21.18	18.53	38.5	PASS
Band5	4233	1	19.94	17.29	38.5	PASS
Band5	4233	2	19.93	17.28	38.5	PASS
Band5	4233	3	19.82	17.17	38.5	PASS
Band5	4233	4	19.61	16.96	38.5	PASS
Band5	4233	5	20.85	18.2	38.5	PASS

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

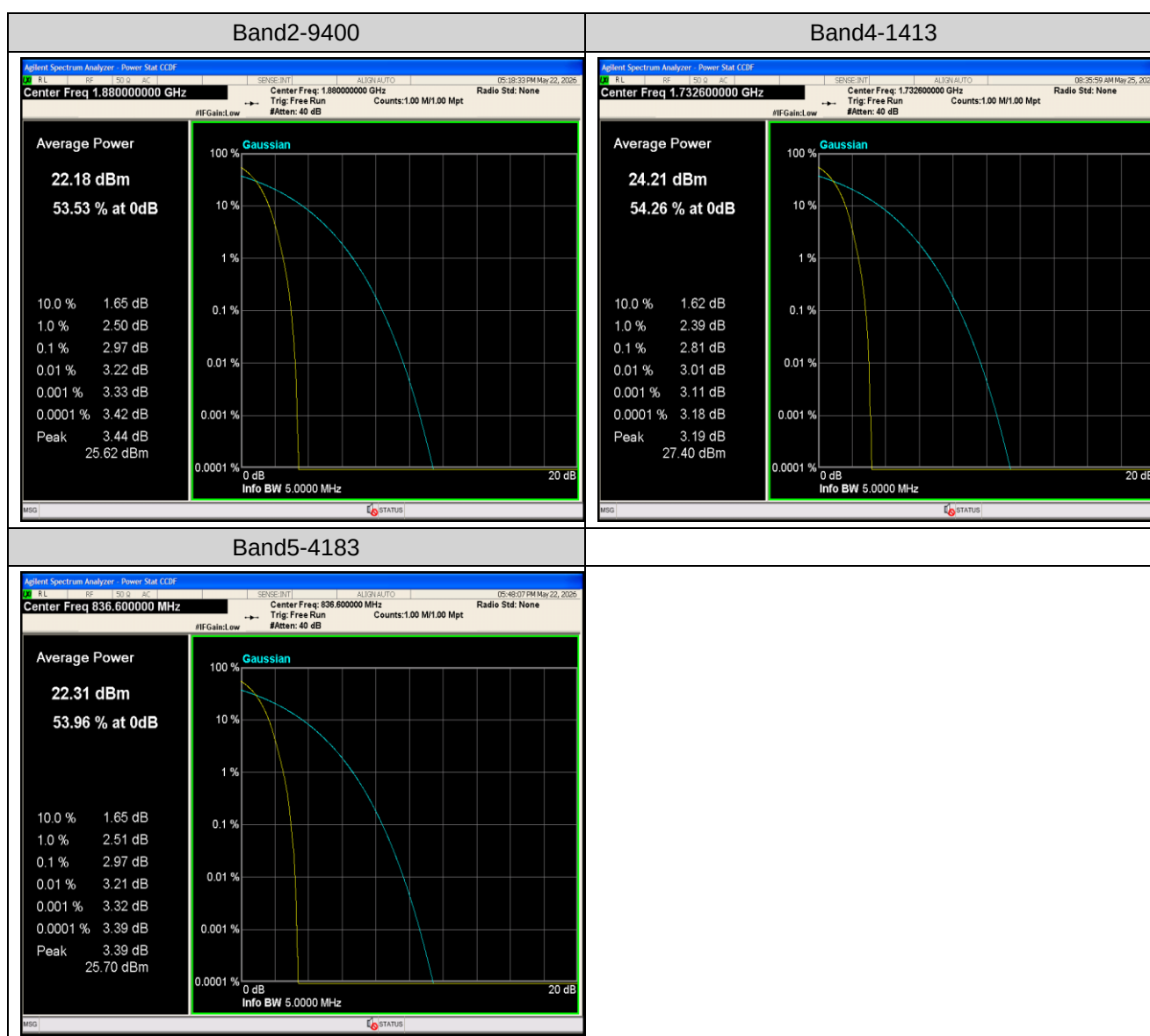
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.97	13	PASS
Band4	1413	2.81	13	PASS
Band5	4183	2.97	13	PASS

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

Test Graphs(WCDMA)

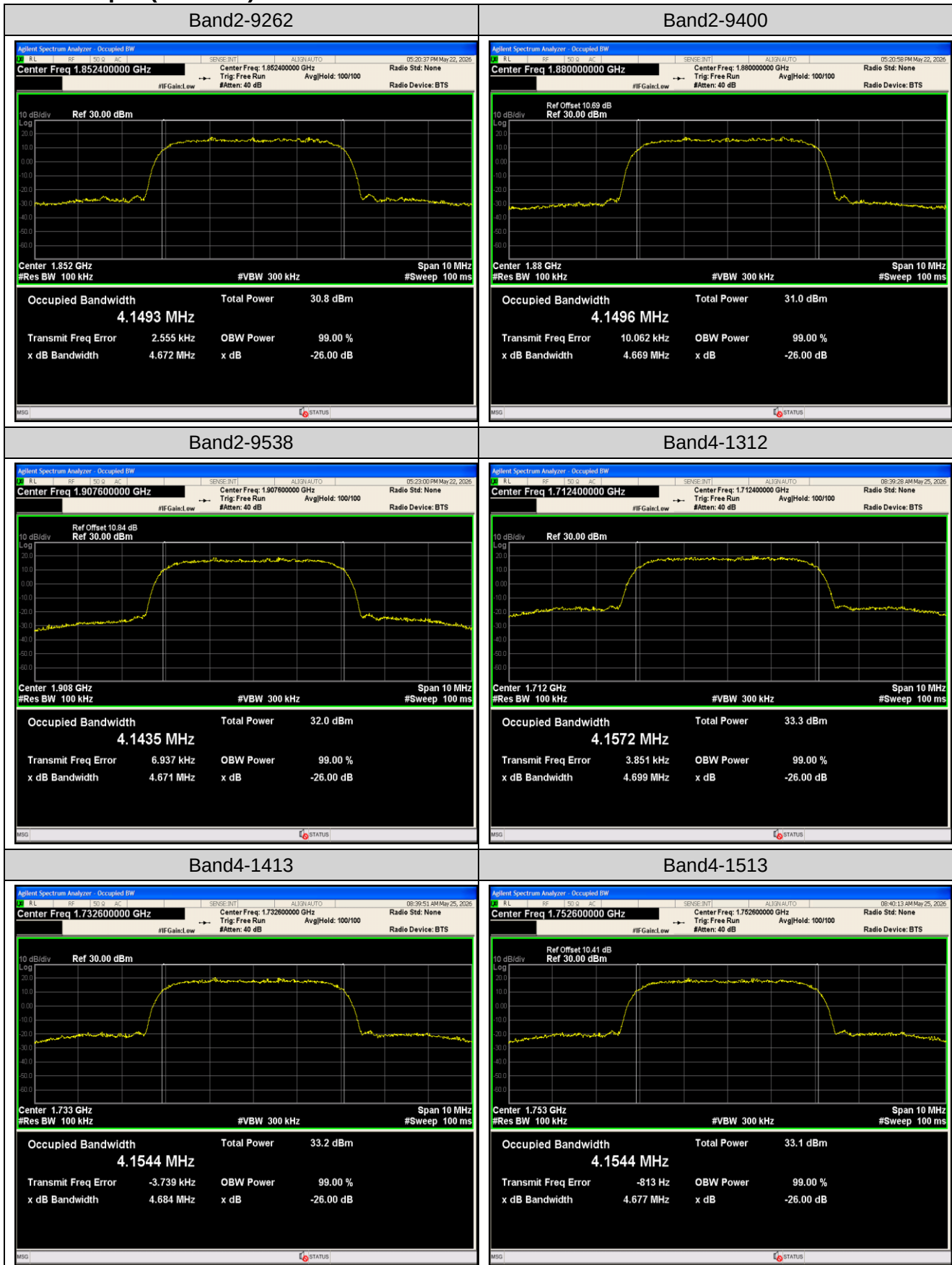


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1493	4.672	---	PASS
Band2	9400	4.1496	4.669	---	PASS
Band2	9538	4.1435	4.671	---	PASS
Band4	1312	4.1572	4.699	---	PASS
Band4	1413	4.1544	4.684	---	PASS
Band4	1513	4.1544	4.677	---	PASS
Band5	4132	4.1448	4.667	---	PASS
Band5	4183	4.1348	4.670	---	PASS
Band5	4233	4.1422	4.668	---	PASS

Test Graphs(WCDMA)



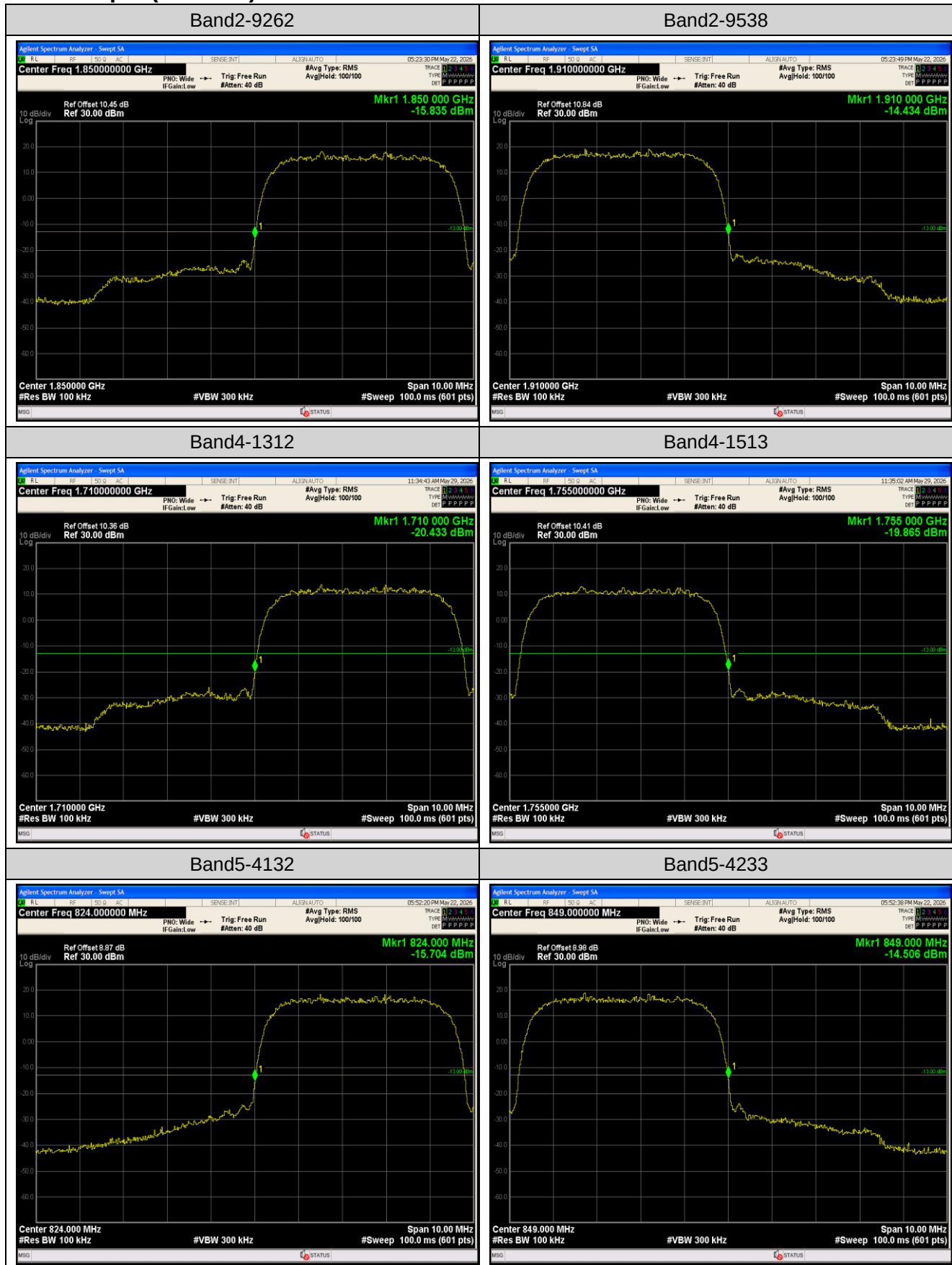


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-15.83	-13	PASS
Band2	9538	1910.00	-14.43	-13	PASS
Band4	1312	1710.00	-20.43	-13	PASS
Band4	1513	1755.00	-19.87	-13	PASS
Band5	4132	824.00	-15.70	-13	PASS
Band5	4233	849.00	-14.51	-13	PASS

Test Graphs(WCDMA)



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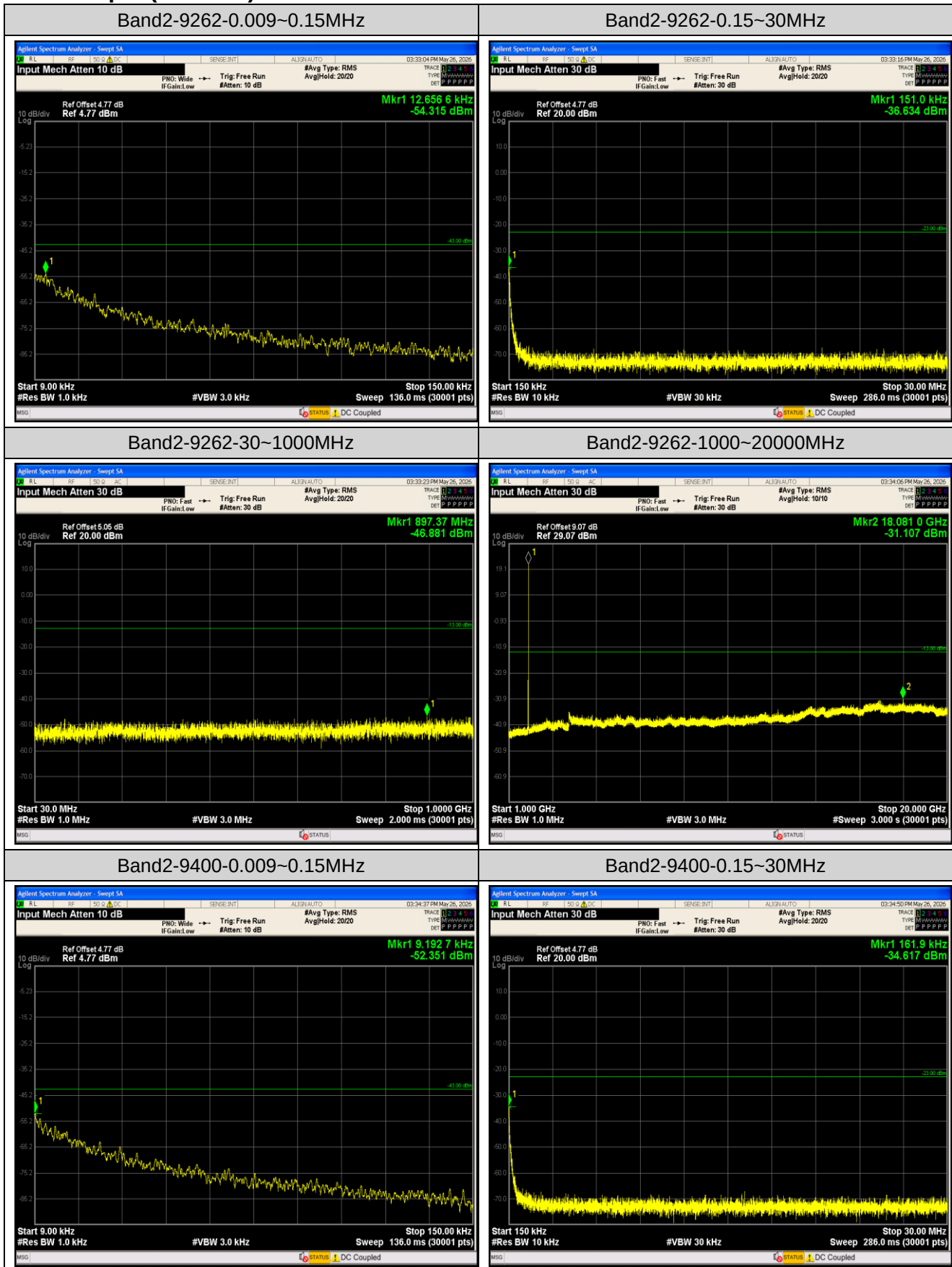
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.32	-43	PASS
Band2	9262	0.15~30MHz	0.15	-36.63	-23	PASS
Band2	9262	30~1000MHz	897.37	-46.88	-13	PASS
Band2	9262	1000~20000MHz	18081	-31.11	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-52.35	-43	PASS
Band2	9400	0.15~30MHz	0.16	-34.62	-23	PASS
Band2	9400	30~1000MHz	816.51	-46.24	-13	PASS
Band2	9400	1000~20000MHz	17092.37	-30.7	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.25	-43	PASS
Band2	9538	0.15~30MHz	0.16	-35.89	-23	PASS
Band2	9538	30~1000MHz	918.94	-46.66	-13	PASS
Band2	9538	1000~20000MHz	17041.7	-31.43	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-54.17	-43	PASS
Band4	1312	0.15~30MHz	0.16	-35.98	-23	PASS
Band4	1312	30~1000MHz	963.59	-45.63	-13	PASS
Band4	1312	1000~20000MHz	17076.53	-31.53	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-51.17	-43	PASS
Band4	1413	0.15~30MHz	0.16	-35.12	-23	PASS
Band4	1413	30~1000MHz	932.71	-45.61	-13	PASS
Band4	1413	1000~20000MHz	17040.43	-31.57	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-51.32	-43	PASS
Band4	1513	0.15~30MHz	0.17	-35.05	-23	PASS
Band4	1513	30~1000MHz	567.09	-46.69	-13	PASS
Band4	1513	1000~20000MHz	18026.53	-31.09	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-43.46	-33	PASS
Band5	4132	0.15~30MHz	0.16	-37.09	-13	PASS
Band5	4132	30~1000MHz	967.12	-56.14	-13	PASS
Band5	4132	1000~10000MHz	3624.7	-34.42	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-44.07	-33	PASS
Band5	4183	0.15~30MHz	0.15	-36.54	-13	PASS
Band5	4183	30~1000MHz	475.2	-56.05	-13	PASS
Band5	4183	1000~10000MHz	3607.3	-34.99	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-42.87	-33	PASS
Band5	4233	0.15~30MHz	0.15	-37.41	-13	PASS
Band5	4233	30~1000MHz	974.13	-56.13	-13	PASS
Band5	4233	1000~10000MHz	3616.9	-35.47	-13	PASS

Test Graphs(WCDMA)

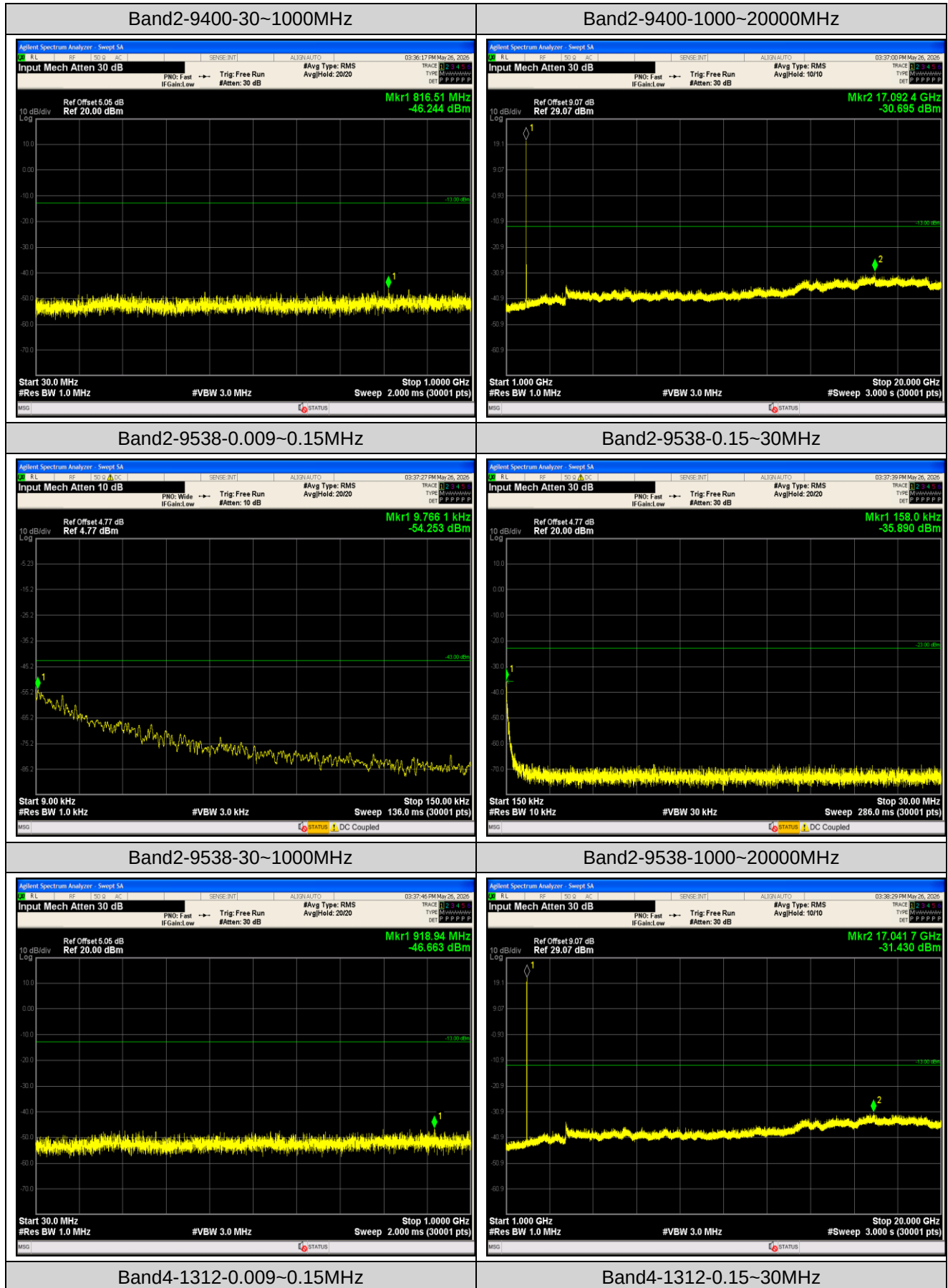


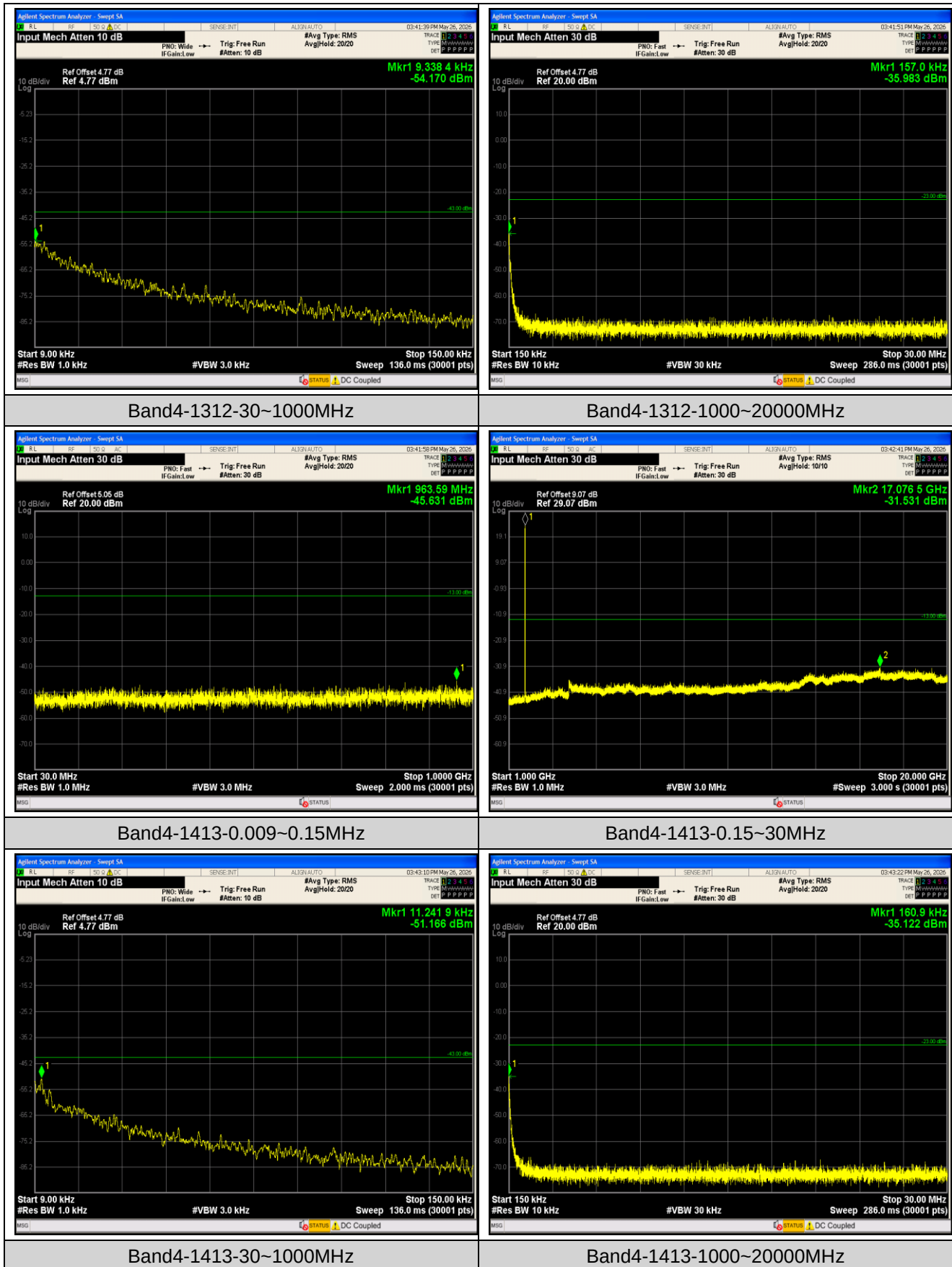
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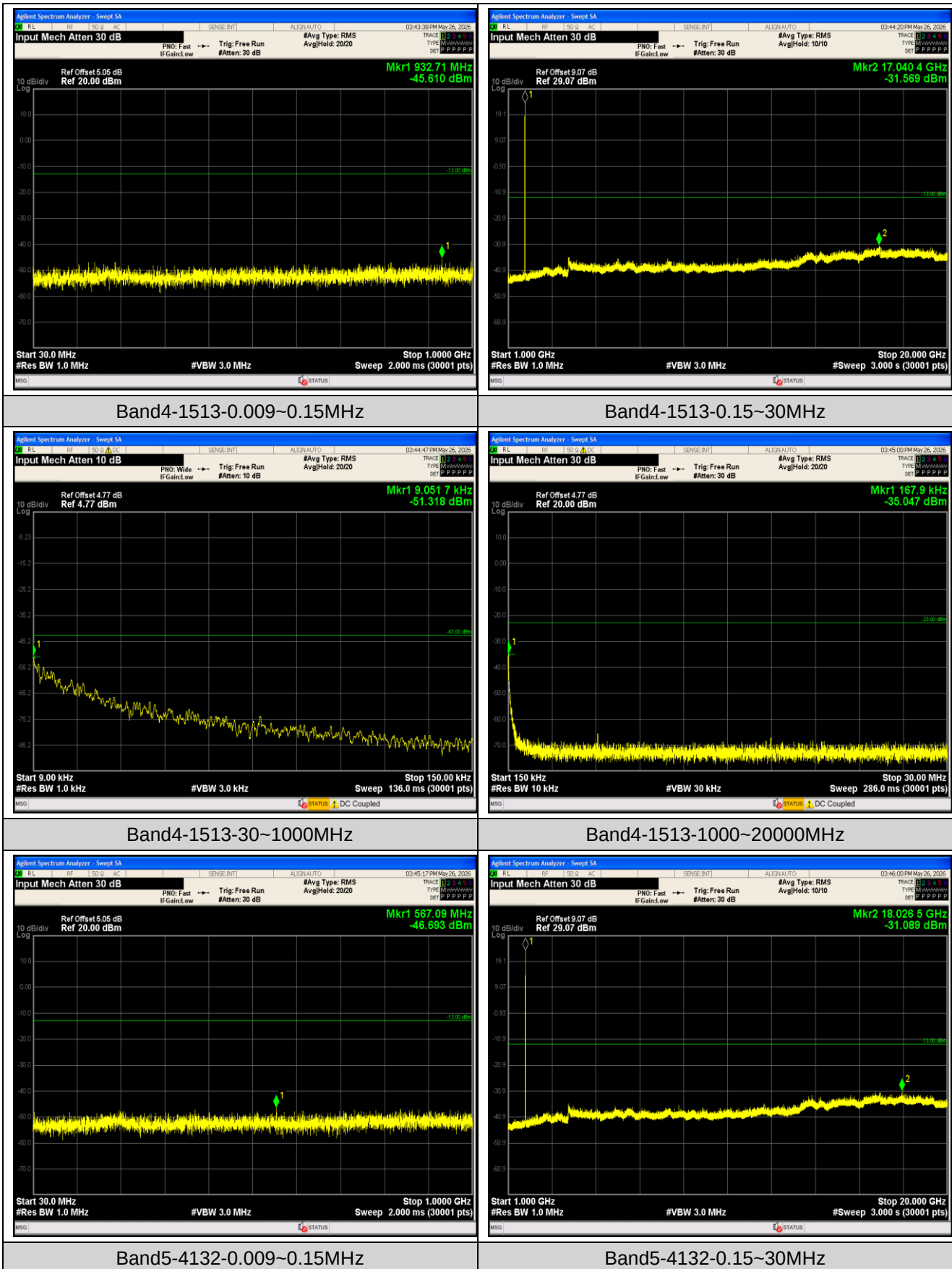
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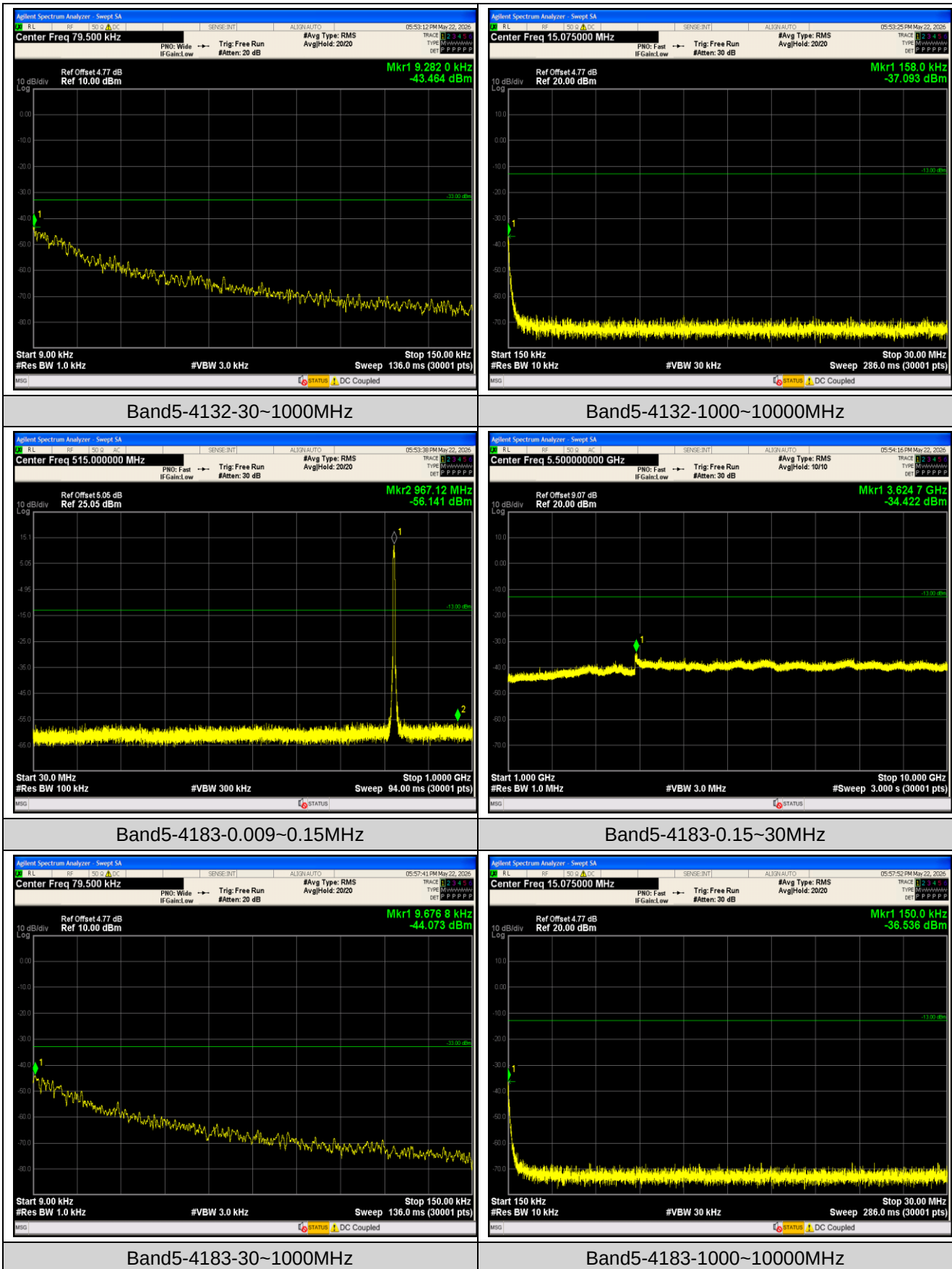
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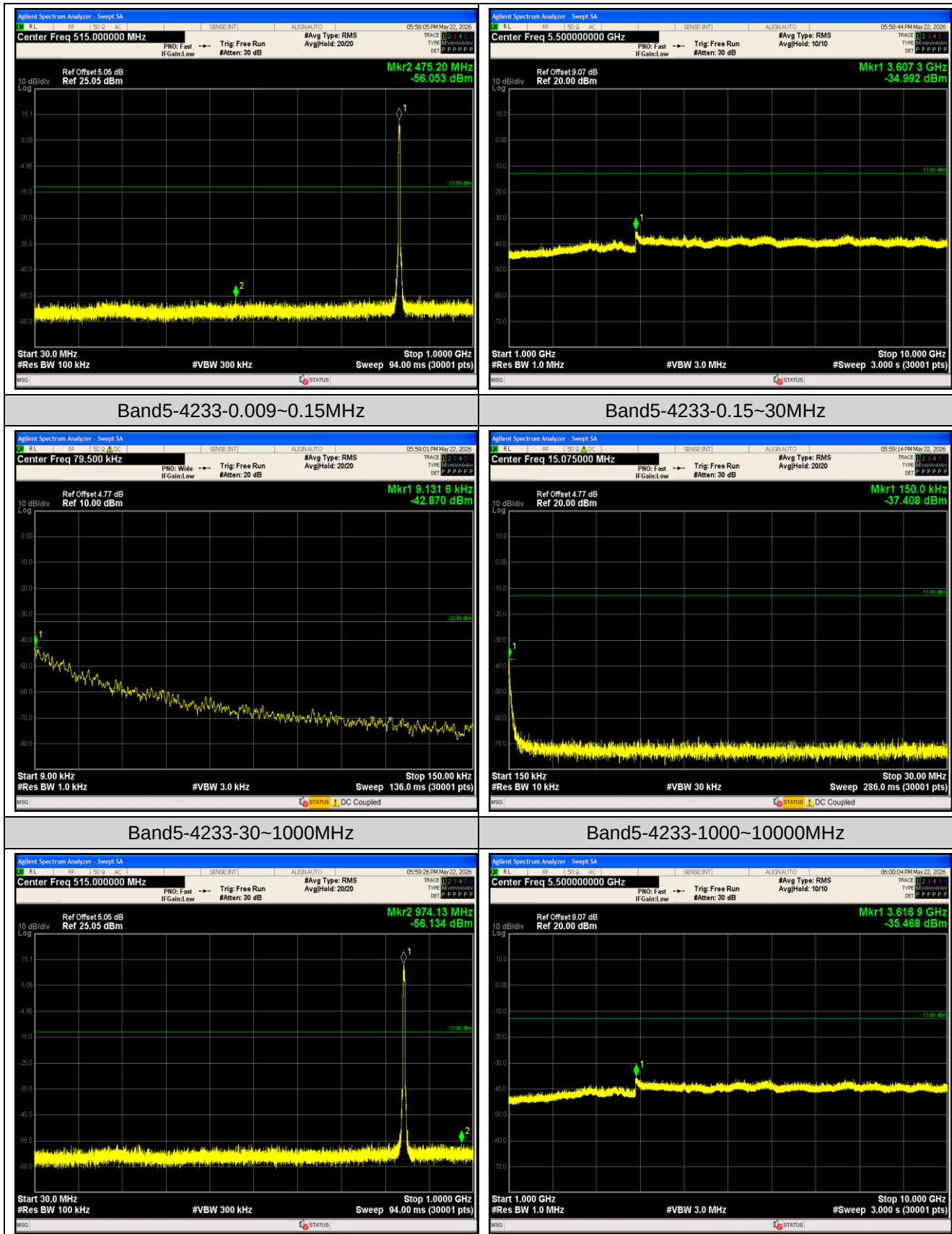
Project No.: JYTSZR2604054











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		
3.80	-30	0.71	0.000849	±2.5	Pass
	-20	1.30	0.001554		
	-10	-0.35	-0.000418		
	0	2.65	0.003168		
	10	0.96	0.001148		
	20	1.13	0.001351		
	30	-0.07	-0.000084		
	40	3.35	0.004004		
	50	-0.62	-0.000741		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.23	-0.34	-0.000406	±2.5	Pass
	3.80	-0.08	-0.000096		
	4.37	0.03	0.000036		
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		
3.80	-30	0.82	0.000473	Within authorized band for BAND IV	Pass
	-20	-3.53	-0.002037		
	-10	5.78	0.003336		
	0	1.82	0.001050		
	10	-2.81	-0.001622		
	20	-0.29	-0.000167		
	30	4.03	0.002326		
	40	2.40	0.001385		
	50	1.17	0.000675		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.23	-0.11	-0.000063	Within authorized band for BAND IV	Pass
	3.80	-0.98	-0.000566		
	4.37	5.42	0.003128		
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		
3.80	-30	3.48	0.001851	Within authorized band for BAND II	Pass
	-20	4.22	0.002245		
	-10	0.73	0.000388		
	0	-0.17	-0.000090		
	10	-1.72	-0.000915		
	20	-7.00	-0.003723		
	30	1.52	0.000809		
	40	2.58	0.001372		
	50	3.27	0.001739		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.23	-5.47	-0.002910	Within authorized band for BAND II	Pass
	3.80	2.50	0.001330		
	4.37	-5.34	-0.002840		
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

