

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	21.97	19.60	33.01	PASS
Band2	TestMode	9262	21.98	19.61	33.01	PASS
Band2	TestMode	9400	22.12	19.75	33.01	PASS
Band2	Voice	9400	22.07	19.70	33.01	PASS
Band2	TestMode	9538	22.27	19.90	33.01	PASS
Band2	Voice	9538	22.24	19.87	33.01	PASS
Band4	Voice	1312	22.23	19.86	30.00	PASS
Band4	TestMode	1312	22.30	19.93	30.00	PASS
Band4	Voice	1413	22.41	20.04	30.00	PASS
Band4	TestMode	1413	22.52	20.15	30.00	PASS
Band4	TestMode	1513	22.15	19.78	30.00	PASS
Band4	Voice	1513	22.07	19.70	30.00	PASS
Band5	Voice	4132	23.04	14.90	38.45	PASS
Band5	TestMode	4132	23.03	14.89	38.45	PASS
Band5	TestMode	4183	23.06	14.92	38.45	PASS
Band5	Voice	4183	23.04	14.90	38.45	PASS
Band5	Voice	4233	22.91	14.77	38.45	PASS
Band5	TestMode	4233	22.94	14.80	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.20	19.83	33.01	PASS
Band2	9262	2	21.87	19.50	33.01	PASS
Band2	9262	3	21.66	19.29	33.01	PASS
Band2	9262	4	21.68	19.31	33.01	PASS
Band2	9400	1	21.57	19.20	33.01	PASS
Band2	9400	2	21.27	18.90	33.01	PASS
Band2	9400	3	21.10	18.73	33.01	PASS
Band2	9400	4	21.19	18.82	33.01	PASS
Band2	9538	1	21.72	19.35	33.01	PASS
Band2	9538	2	21.44	19.07	33.01	PASS
Band2	9538	3	21.23	18.86	33.01	PASS
Band2	9538	4	21.38	19.01	33.01	PASS

Band4	1312	1	20.56	18.19	30.00	PASS
Band4	1312	2	21.28	18.91	30.00	PASS
Band4	1312	3	21.28	18.91	30.00	PASS
Band4	1312	4	21.31	18.94	30.00	PASS
Band4	1413	1	21.42	19.05	30.00	PASS
Band4	1413	2	22.00	19.63	30.00	PASS
Band4	1413	3	21.99	19.62	30.00	PASS
Band4	1413	4	21.99	19.62	30.00	PASS
Band4	1513	1	20.29	17.92	30.00	PASS
Band4	1513	2	20.92	18.55	30.00	PASS
Band4	1513	3	20.92	18.55	30.00	PASS
Band4	1513	4	20.96	18.59	30.00	PASS
Band5	4132	1	22.10	13.96	38.5	PASS
Band5	4132	2	21.92	13.78	38.5	PASS
Band5	4132	3	21.47	13.33	38.5	PASS
Band5	4132	4	21.52	13.38	38.5	PASS
Band5	4183	1	21.86	13.72	38.5	PASS
Band5	4183	2	21.64	13.50	38.5	PASS
Band5	4183	3	21.19	13.05	38.5	PASS
Band5	4183	4	21.23	13.09	38.5	PASS
Band5	4233	1	21.90	13.76	38.5	PASS
Band5	4233	2	21.70	13.56	38.5	PASS
Band5	4233	3	21.28	13.14	38.5	PASS
Band5	4233	4	21.30	13.16	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.89	17.52	33.01	PASS
Band2	9262	2	20.60	18.23	33.01	PASS
Band2	9262	3	20.39	18.02	33.01	PASS
Band2	9262	4	20.60	18.23	33.01	PASS
Band2	9262	5	22.32	19.95	33.01	PASS
Band2	9400	1	19.72	17.35	33.01	PASS
Band2	9400	2	20.25	17.88	33.01	PASS
Band2	9400	3	19.98	17.61	33.01	PASS
Band2	9400	4	20.32	17.95	33.01	PASS
Band2	9400	5	21.69	19.32	33.01	PASS
Band2	9538	1	19.84	17.47	33.01	PASS
Band2	9538	2	20.36	17.99	33.01	PASS
Band2	9538	3	19.88	17.51	33.01	PASS

Band2	9538	4	20.44	18.07	33.01	PASS
Band2	9538	5	21.85	19.48	33.01	PASS
Band4	1312	1	19.76	17.39	30.00	PASS
Band4	1312	2	19.53	17.16	30.00	PASS
Band4	1312	3	19.78	17.41	30.00	PASS
Band4	1312	4	19.57	17.20	30.00	PASS
Band4	1312	5	21.17	18.80	30.00	PASS
Band4	1413	1	20.54	18.17	30.00	PASS
Band4	1413	2	20.33	17.96	30.00	PASS
Band4	1413	3	20.59	18.22	30.00	PASS
Band4	1413	4	20.42	18.05	30.00	PASS
Band4	1413	5	21.98	19.61	30.00	PASS
Band4	1513	1	19.45	17.08	30.00	PASS
Band4	1513	2	19.28	16.91	30.00	PASS
Band4	1513	3	19.53	17.16	30.00	PASS
Band4	1513	4	19.37	17.00	30.00	PASS
Band4	1513	5	20.91	18.54	30.00	PASS
Band5	4132	1	20.91	12.77	38.5	PASS
Band5	4132	2	21.04	12.90	38.5	PASS
Band5	4132	3	20.79	12.65	38.5	PASS
Band5	4132	4	20.58	12.44	38.5	PASS
Band5	4132	5	21.96	13.82	38.5	PASS
Band5	4183	1	20.73	12.59	38.5	PASS
Band5	4183	2	20.80	12.66	38.5	PASS
Band5	4183	3	20.61	12.47	38.5	PASS
Band5	4183	4	20.42	12.28	38.5	PASS
Band5	4183	5	21.75	13.61	38.5	PASS
Band5	4233	1	20.79	12.65	38.5	PASS
Band5	4233	2	20.92	12.78	38.5	PASS
Band5	4233	3	20.68	12.54	38.5	PASS
Band5	4233	4	20.48	12.34	38.5	PASS
Band5	4233	5	21.77	13.63	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & 4)
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

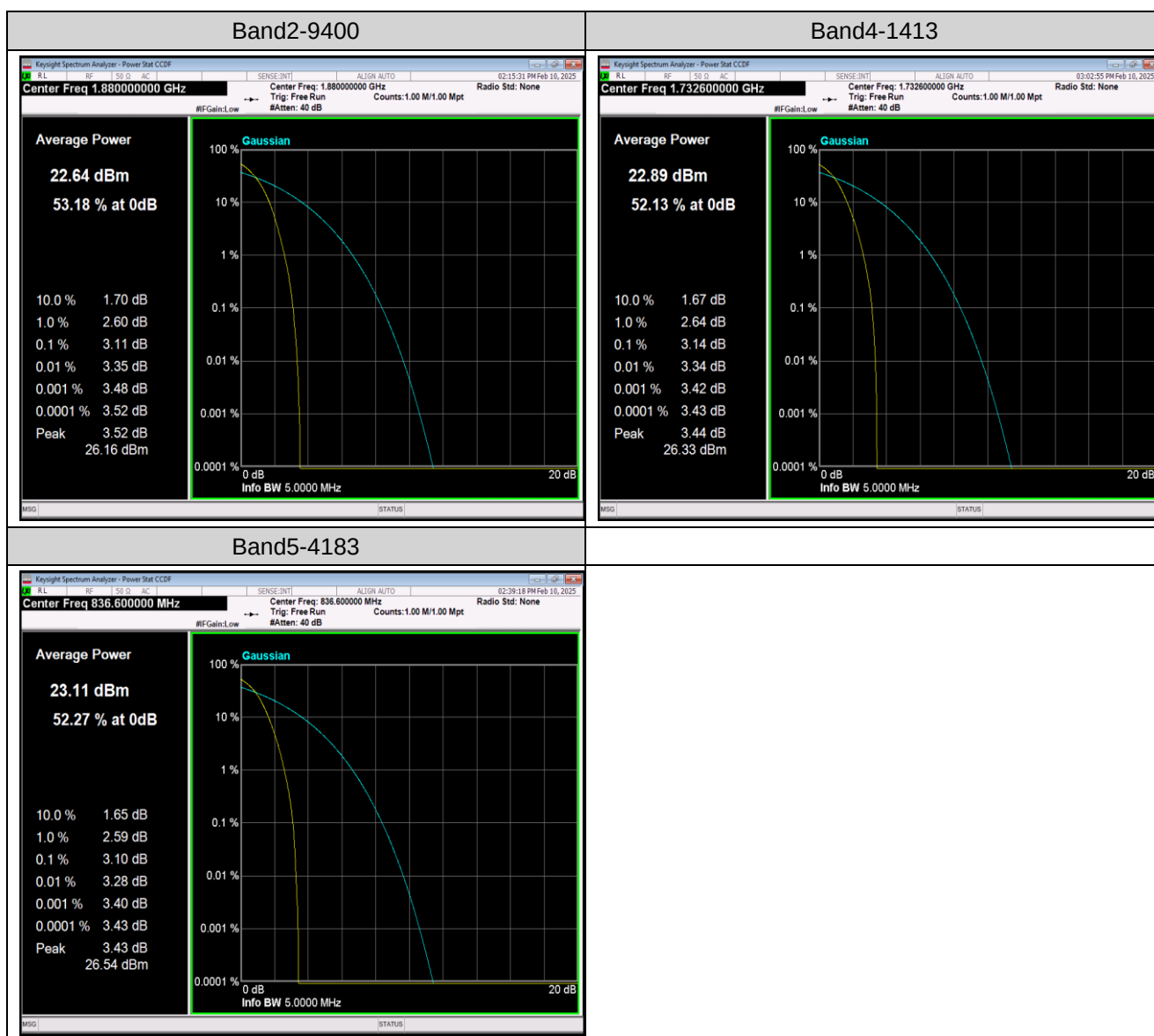
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.11	13	PASS
Band4	1413	3.14	13	PASS
Band5	4183	3.1	13	PASS

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

Test Graphs(WCDMA)

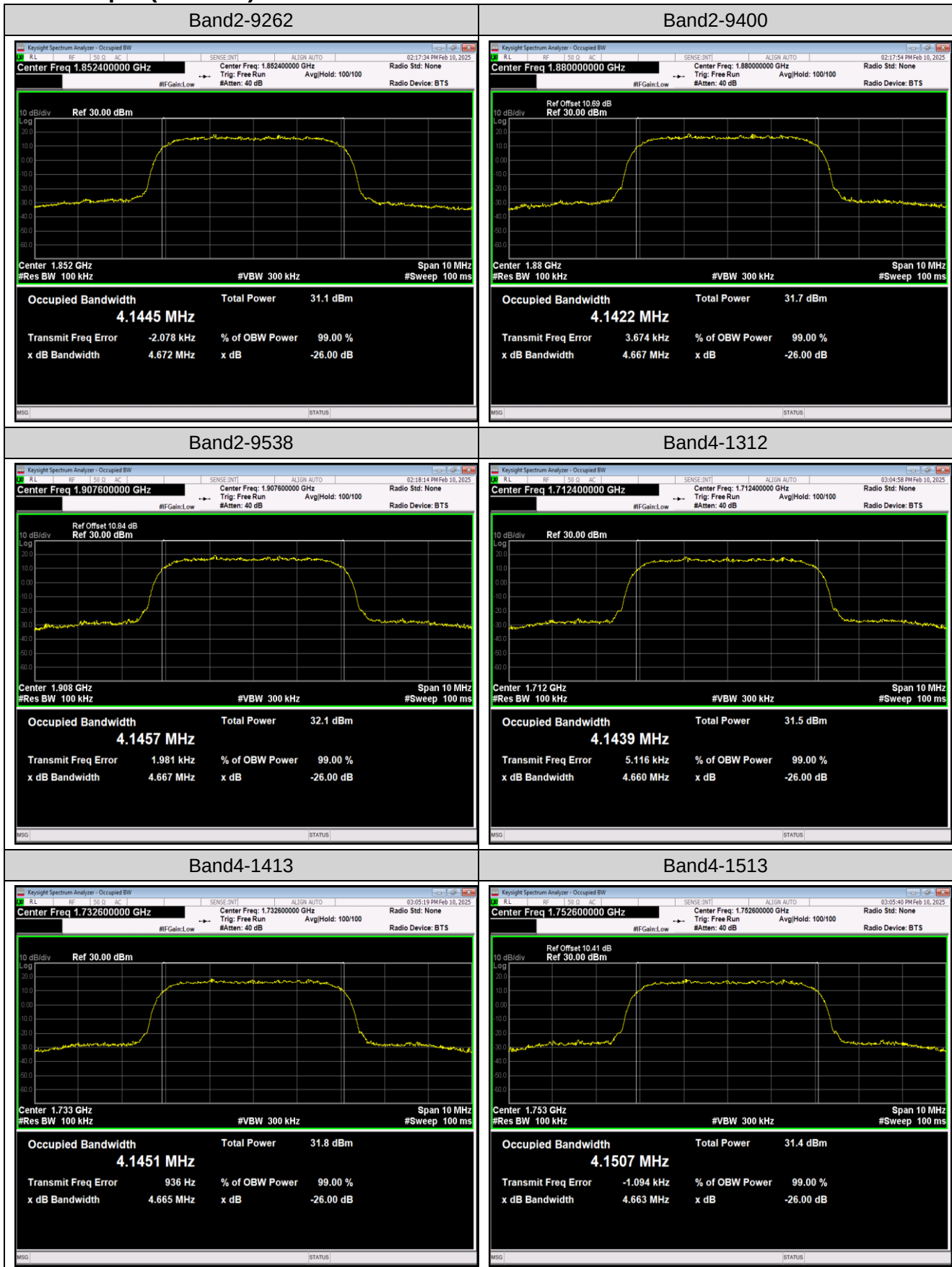


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1445	4.672	---	PASS
Band2	9400	4.1422	4.667	---	PASS
Band2	9538	4.1457	4.667	---	PASS
Band4	1312	4.1439	4.660	---	PASS
Band4	1413	4.1451	4.665	---	PASS
Band4	1513	4.1507	4.663	---	PASS
Band5	4132	4.1551	4.670	---	PASS
Band5	4183	4.1479	4.662	---	PASS
Band5	4233	4.1457	4.653	---	PASS

Test Graphs(WCDMA)



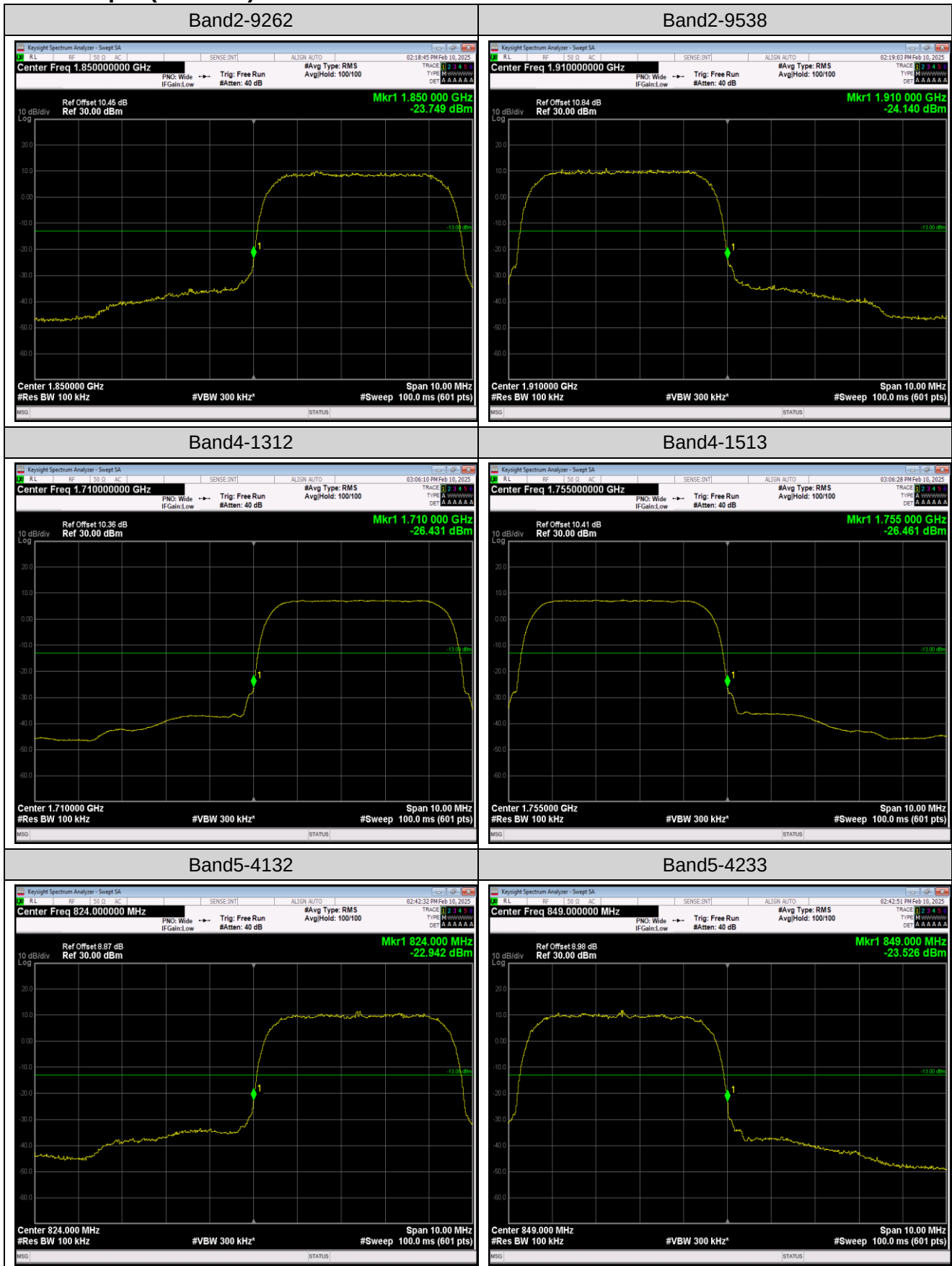


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.75	-13	PASS
Band2	9538	1910.00	-24.14	-13	PASS
Band4	1312	1710.00	-26.43	-13	PASS
Band4	1513	1755.00	-26.46	-13	PASS
Band5	4132	824.00	-22.94	-13	PASS
Band5	4233	849.00	-23.53	-13	PASS

Test Graphs(WCDMA)



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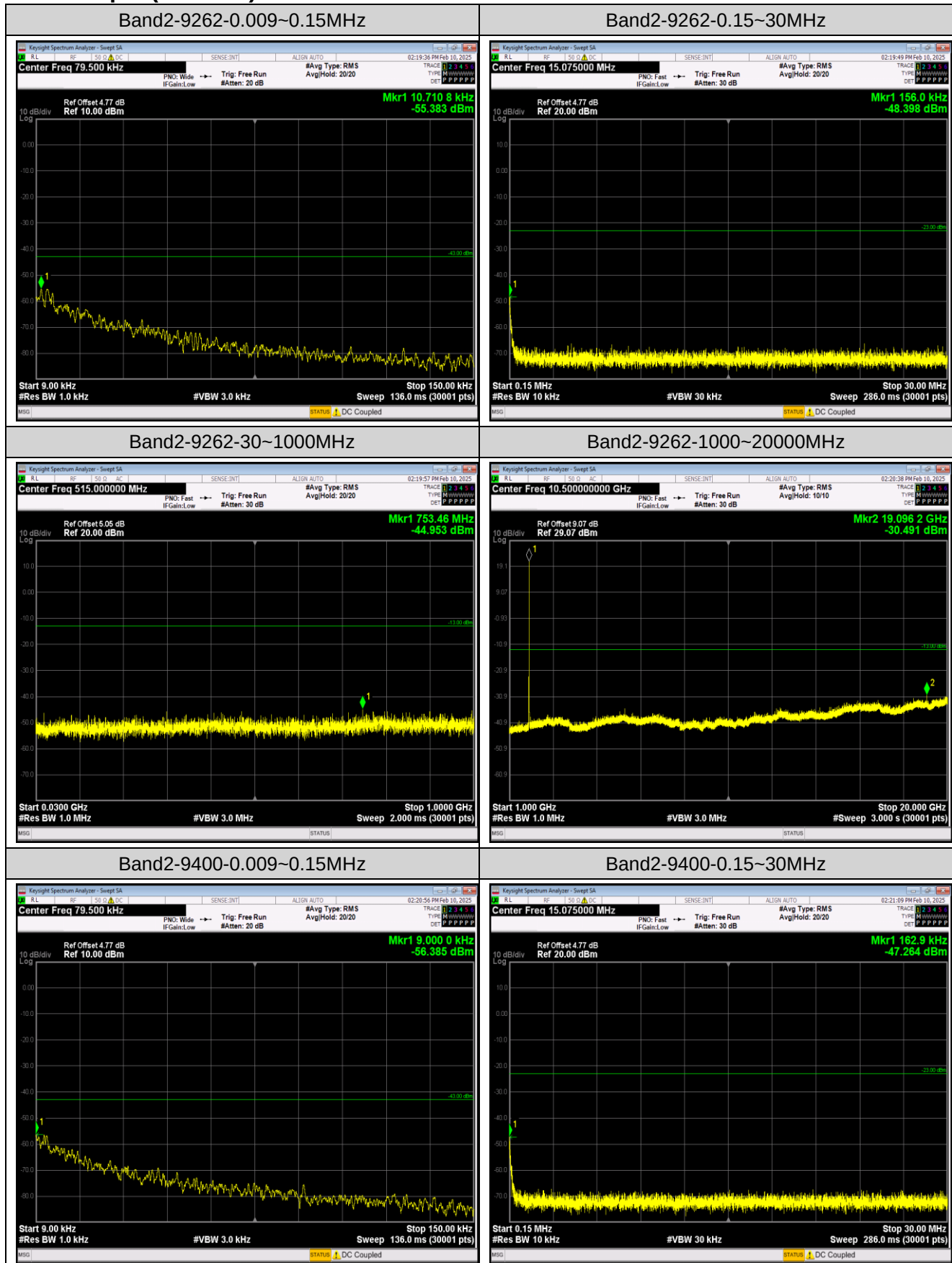
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.38	-43	PASS
Band2	9262	0.15~30MHz	0.16	-48.4	-23	PASS
Band2	9262	30~1000MHz	753.46	-44.95	-13	PASS
Band2	9262	1000~20000MHz	19096.23	-30.49	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.39	-43	PASS
Band2	9400	0.15~30MHz	0.16	-47.26	-23	PASS
Band2	9400	30~1000MHz	916.35	-45.66	-13	PASS
Band2	9400	1000~20000MHz	19969.6	-30.68	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-53.03	-43	PASS
Band2	9538	0.15~30MHz	0.16	-47.79	-23	PASS
Band2	9538	30~1000MHz	846.84	-45.34	-13	PASS
Band2	9538	1000~20000MHz	19958.83	-30.72	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.62	-43	PASS
Band4	1312	0.15~30MHz	0.15	-47.37	-23	PASS
Band4	1312	30~1000MHz	504.62	-45.21	-13	PASS
Band4	1312	1000~20000MHz	19950.6	-30.4	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-53.36	-43	PASS
Band4	1413	0.15~30MHz	0.17	-47.42	-23	PASS
Band4	1413	30~1000MHz	365.72	-45.34	-13	PASS
Band4	1413	1000~20000MHz	19970.23	-30.85	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.62	-43	PASS
Band4	1513	0.15~30MHz	0.16	-46.89	-23	PASS
Band4	1513	30~1000MHz	891.91	-45.22	-13	PASS
Band4	1513	1000~20000MHz	19509.8	-30.36	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.98	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.83	-13	PASS
Band5	4132	30~1000MHz	410.08	-54.08	-13	PASS
Band5	4132	1000~10000MHz	7203.7	-36.67	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57.02	-33	PASS
Band5	4183	0.15~30MHz	0.16	-45.96	-13	PASS
Band5	4183	30~1000MHz	959.36	-54.77	-13	PASS
Band5	4183	1000~10000MHz	5422.3	-36.23	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.42	-33	PASS
Band5	4233	0.15~30MHz	0.16	-48.09	-13	PASS
Band5	4233	30~1000MHz	965.57	-54.08	-13	PASS
Band5	4233	1000~10000MHz	5955.4	-36.49	-13	PASS

Test Graphs(WCDMA)

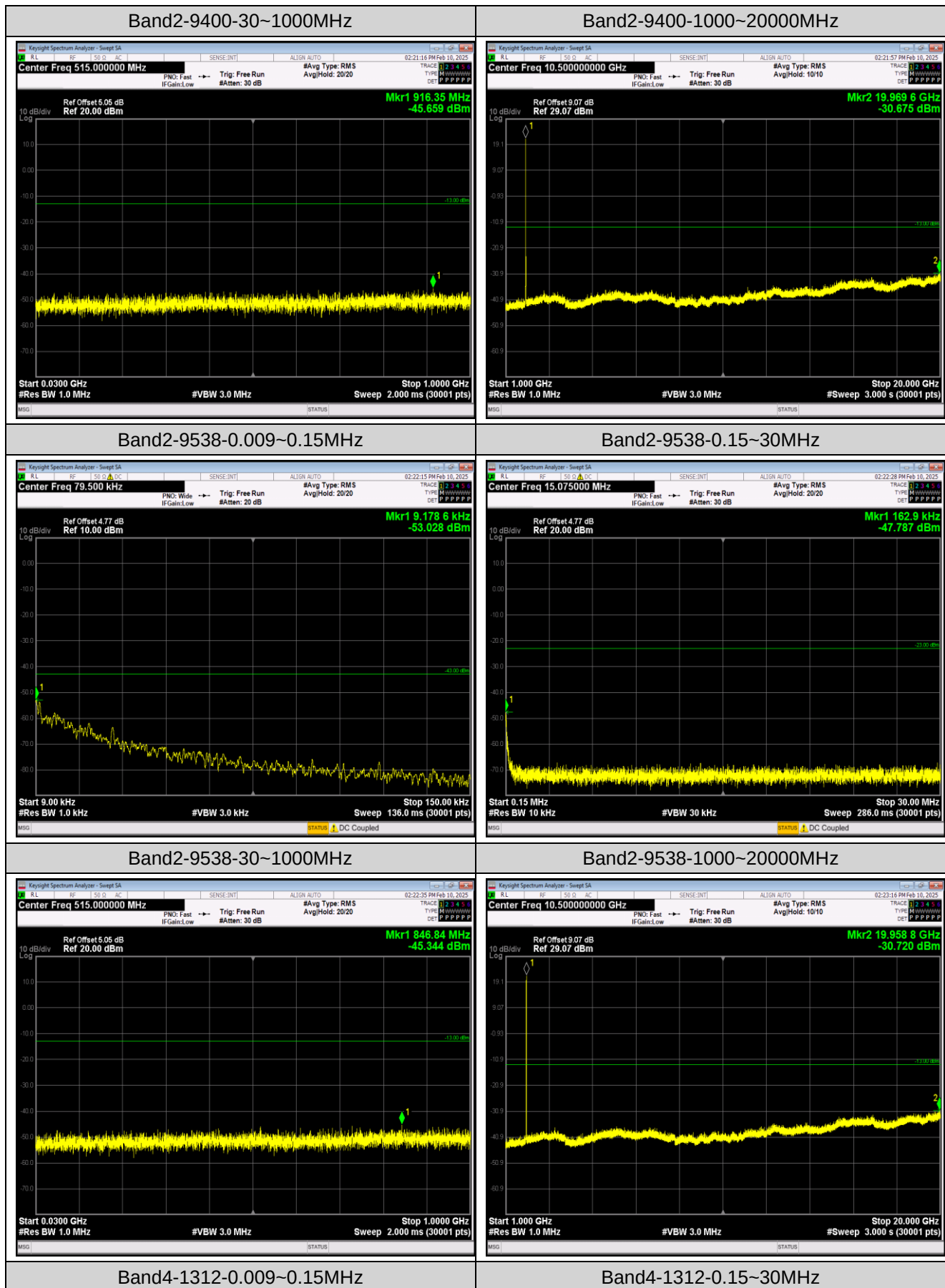


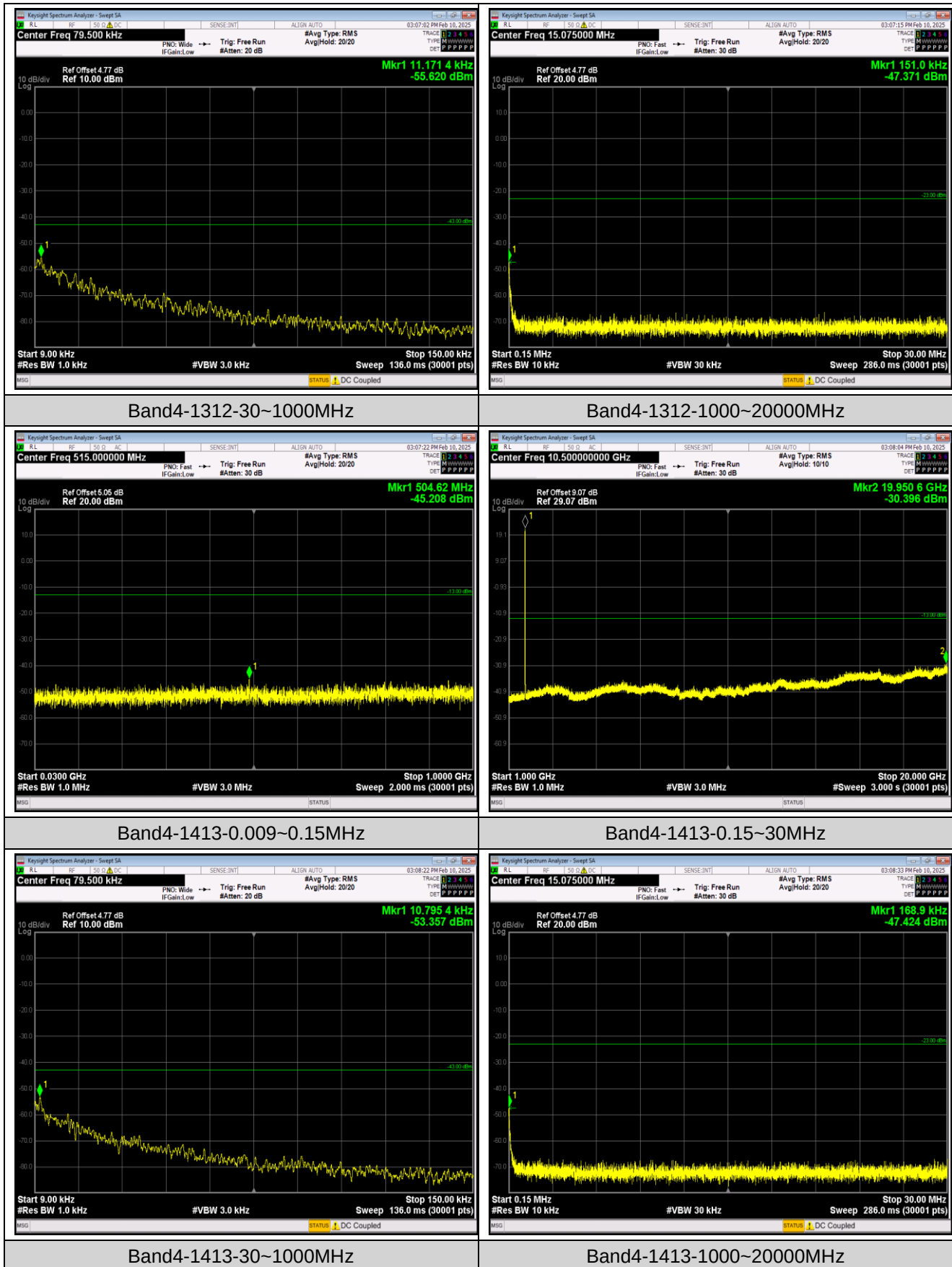
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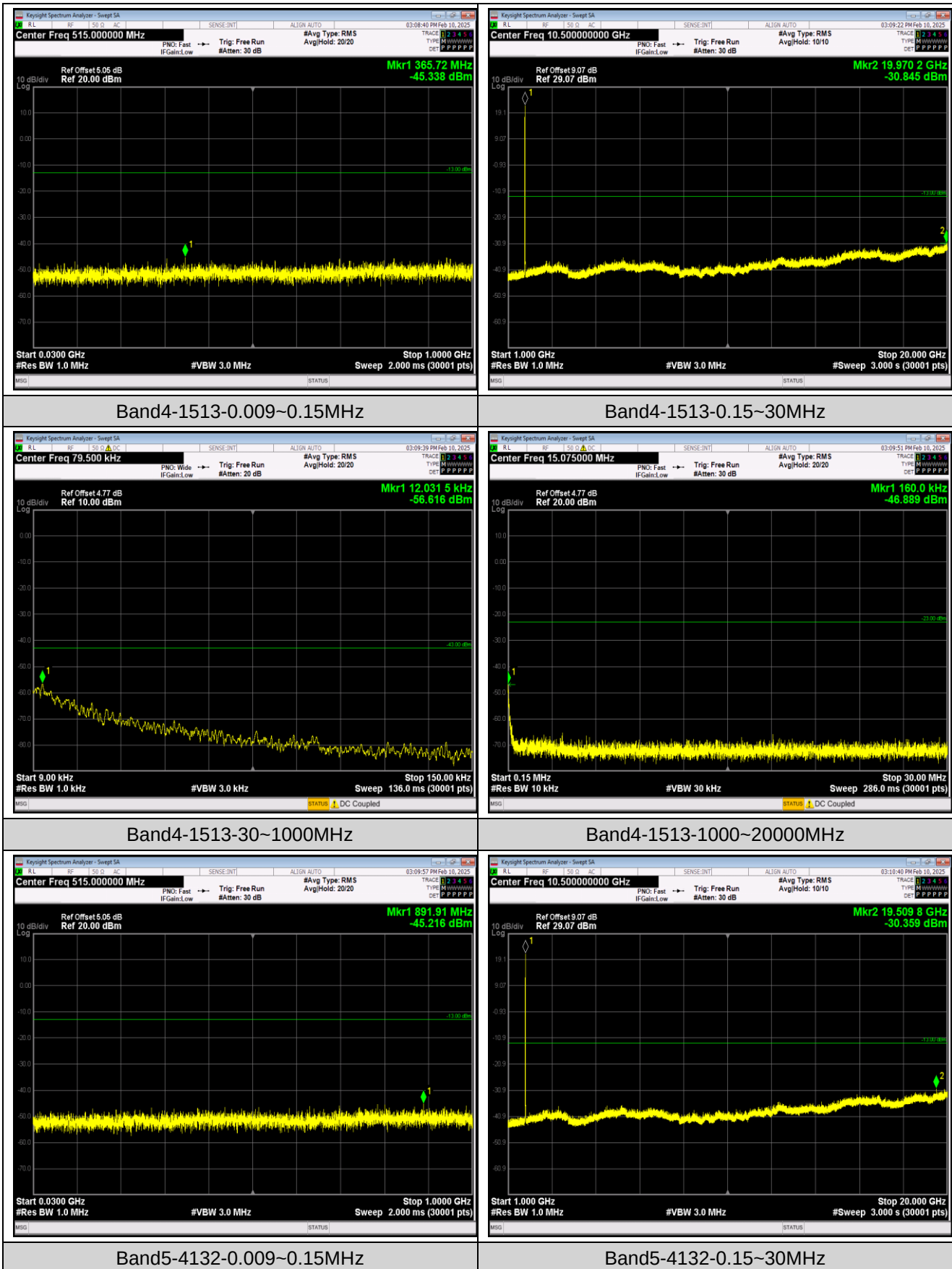
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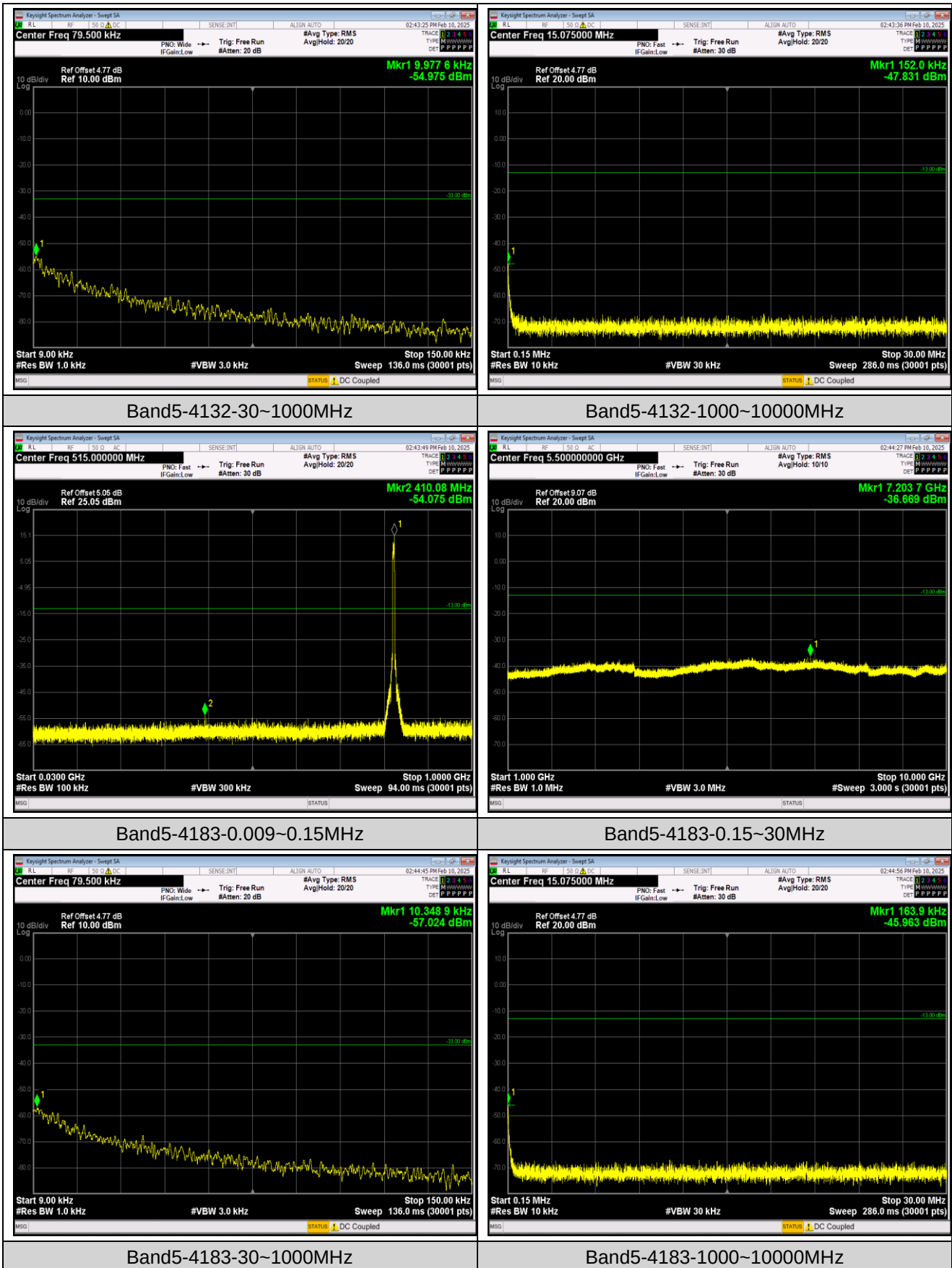
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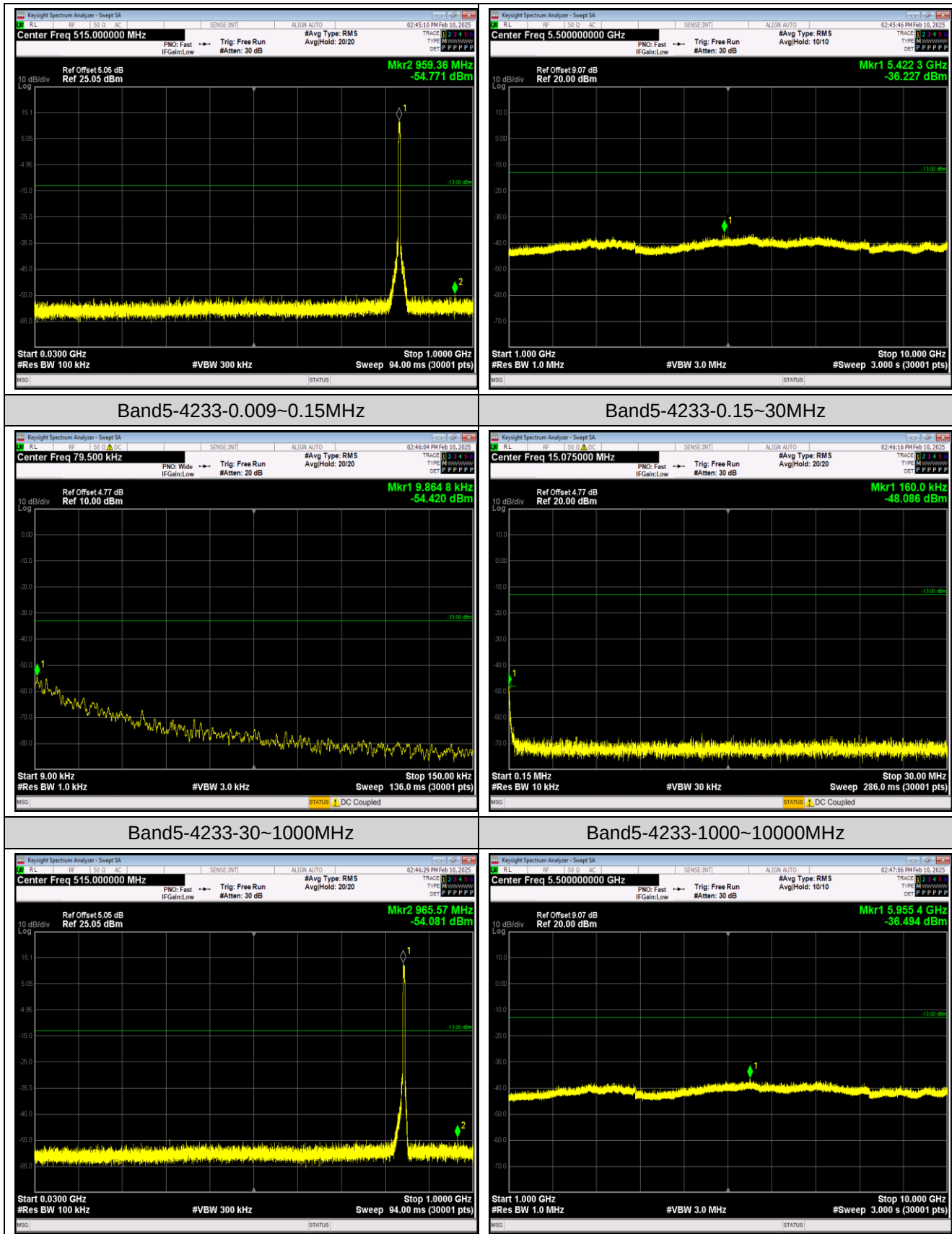
Project No.: JYTSZR2501048











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	1.16	0.001387	±2.5	Pass
	-20	0.37	0.000442		
	-10	1.49	0.001781		
	0	2.27	0.002713		
	10	1.85	0.002211		
	20	2.84	0.003395		
	30	4.76	0.005690		
	40	2.36	0.002821		
	50	2.40	0.002869		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	1.59	0.001901	±2.5	Pass
	3.85	2.12	0.002534		
	4.40	1.09	0.001303		
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	7.82	0.004513	Within authorized band for BAND IV	Pass
	-20	2.23	0.001287		
	-10	-1.52	-0.000877		
	0	3.15	0.001818		
	10	-0.31	-0.000179		
	20	0.16	0.000092		
	30	-0.63	-0.000364		
	40	-4.57	-0.002638		
	50	-7.00	-0.004040		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.22	-0.000704	Within authorized band for BAND IV	Pass
	3.85	-3.02	-0.001743		
	4.40	5.01	0.002892		
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	5.31	0.002824	Within authorized band for BAND II	Pass
	-20	-7.30	-0.003883		
	-10	5.74	0.003053		
	0	10.26	0.005457		
	10	-2.49	-0.001324		
	20	-1.85	-0.000984		
	30	-0.44	-0.000234		
	40	-1.09	-0.000580		
	50	6.62	0.003521		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.44	0.000234	Within authorized band for BAND II	Pass
	3.85	2.98	0.001585		
	4.40	0.82	0.000436		
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

