

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	22.61	23.51	33.01	PASS
Band2	TestMode	9262	22.74	23.64	33.01	PASS
Band2	TestMode	9400	22.88	23.78	33.01	PASS
Band2	Voice	9400	22.76	23.66	33.01	PASS
Band2	TestMode	9538	23.06	23.96	33.01	PASS
Band2	Voice	9538	22.94	23.84	33.01	PASS
Band4	Voice	1312	22.21	23.01	30.00	PASS
Band4	TestMode	1312	22.23	23.03	30.00	PASS
Band4	Voice	1413	20.80	21.6	30.00	PASS
Band4	TestMode	1413	20.88	21.68	30.00	PASS
Band4	TestMode	1513	21.81	22.61	30.00	PASS
Band4	Voice	1513	21.79	22.59	30.00	PASS
Band5	Voice	4132	22.30	20.65	38.45	PASS
Band5	TestMode	4132	22.35	20.7	38.45	PASS
Band5	TestMode	4183	22.82	21.17	38.45	PASS
Band5	Voice	4183	22.73	21.08	38.45	PASS
Band5	Voice	4233	21.98	20.33	38.45	PASS
Band5	TestMode	4233	22.06	20.41	38.45	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 &4)

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

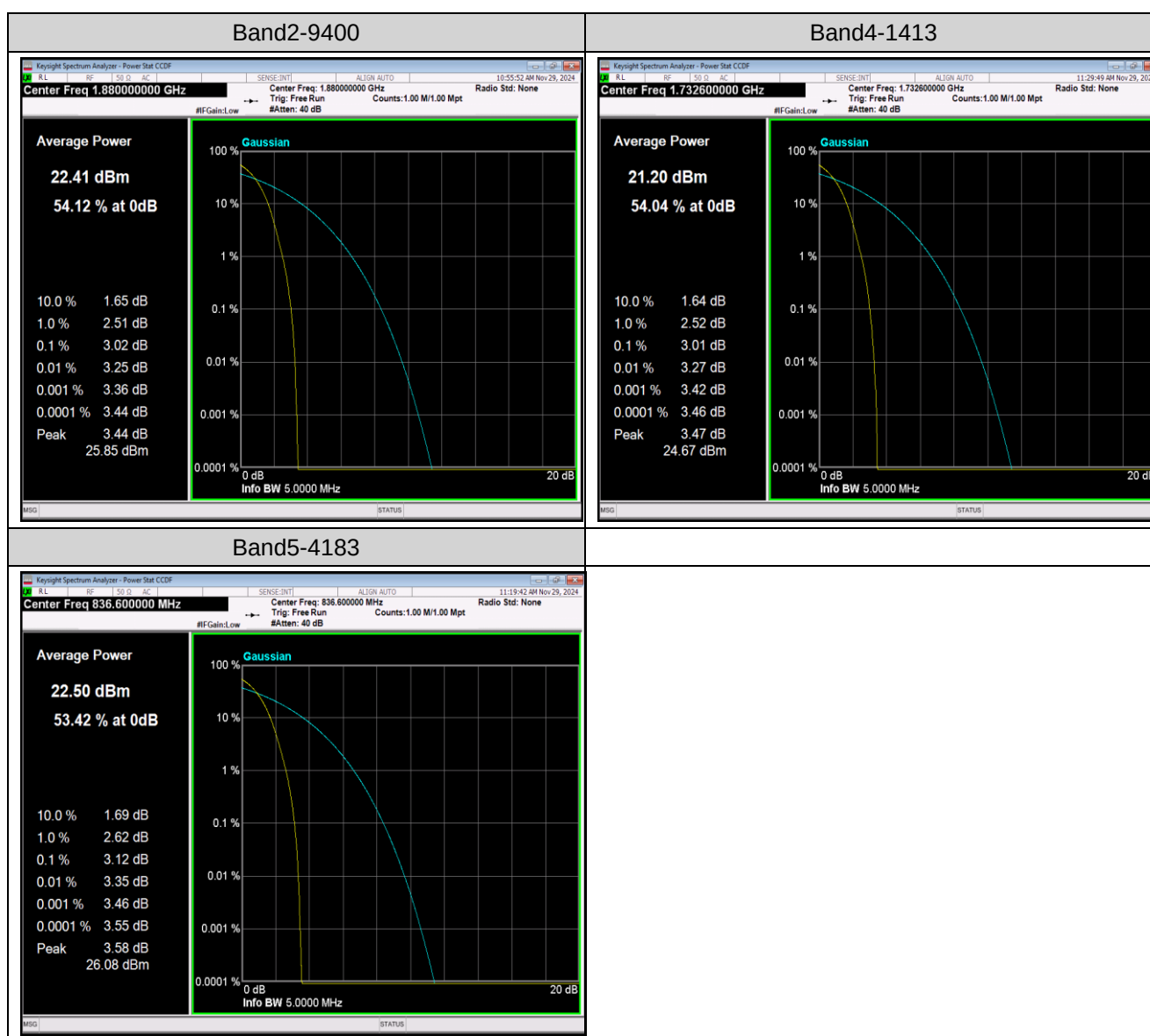
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.02	13	PASS
Band4	1413	3.01	13	PASS
Band5	4183	3.12	13	PASS

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

Test Graphs(WCDMA)

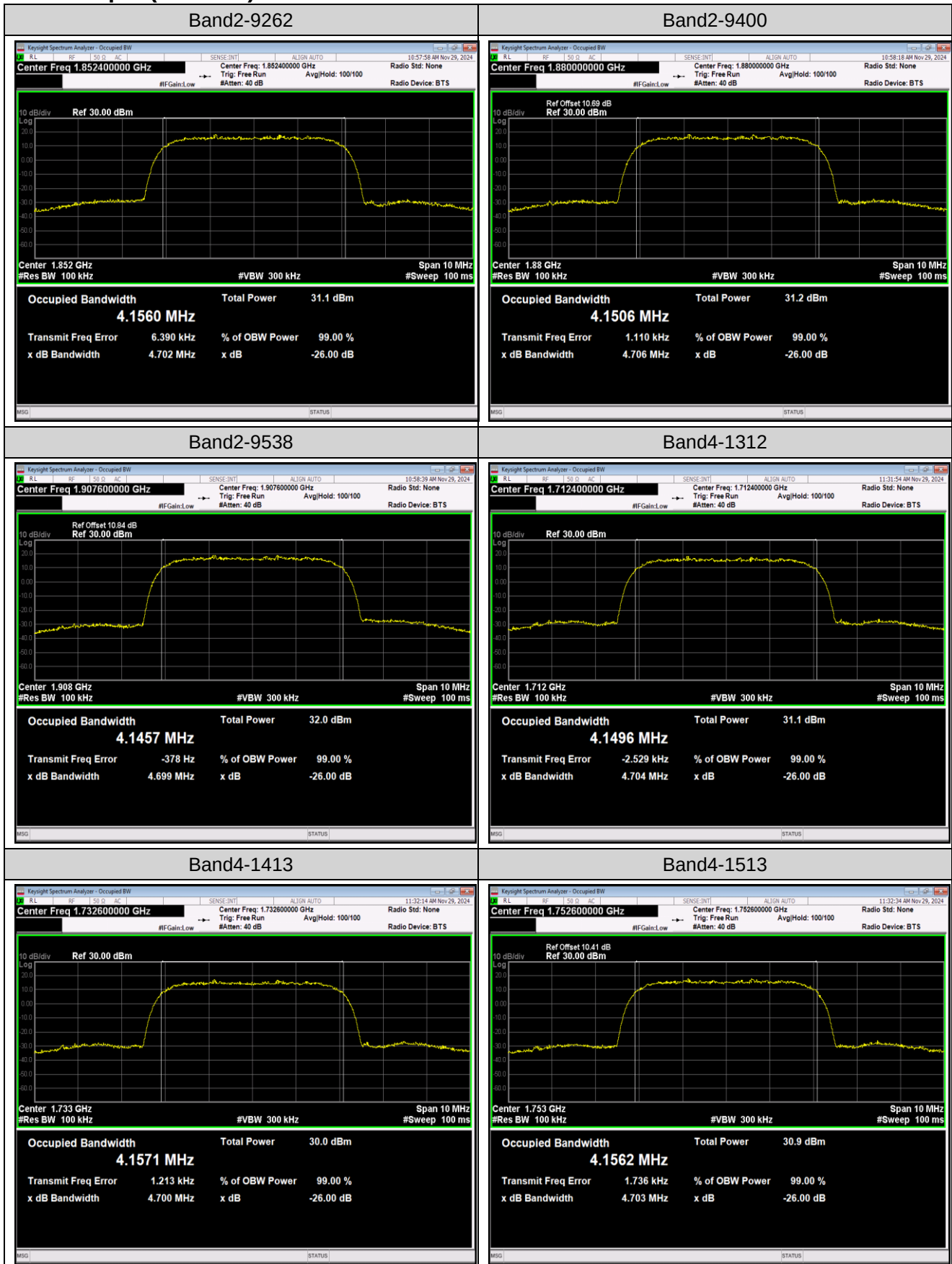


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1560	4.702	---	PASS
Band2	9400	4.1506	4.706	---	PASS
Band2	9538	4.1457	4.699	---	PASS
Band4	1312	4.1496	4.704	---	PASS
Band4	1413	4.1571	4.700	---	PASS
Band4	1513	4.1562	4.703	---	PASS
Band5	4132	4.1542	4.691	---	PASS
Band5	4183	4.1545	4.682	---	PASS
Band5	4233	4.1463	4.685	---	PASS

Test Graphs(WCDMA)



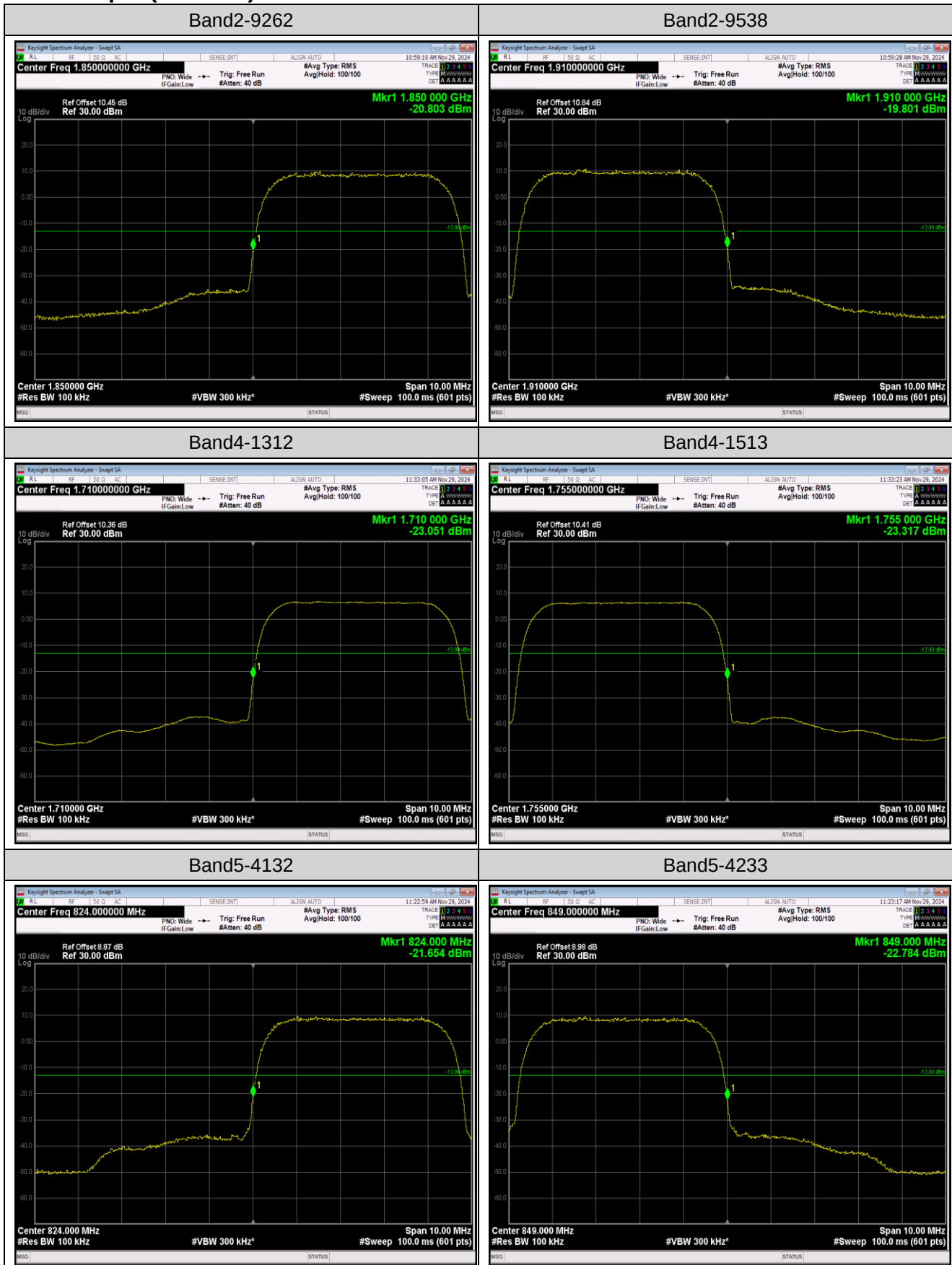


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.80	-13	PASS
Band2	9538	1910.00	-19.80	-13	PASS
Band4	1312	1710.00	-23.05	-13	PASS
Band4	1513	1755.00	-23.32	-13	PASS
Band5	4132	824.00	-21.65	-13	PASS
Band5	4233	849.00	-22.78	-13	PASS

Test Graphs(WCDMA)



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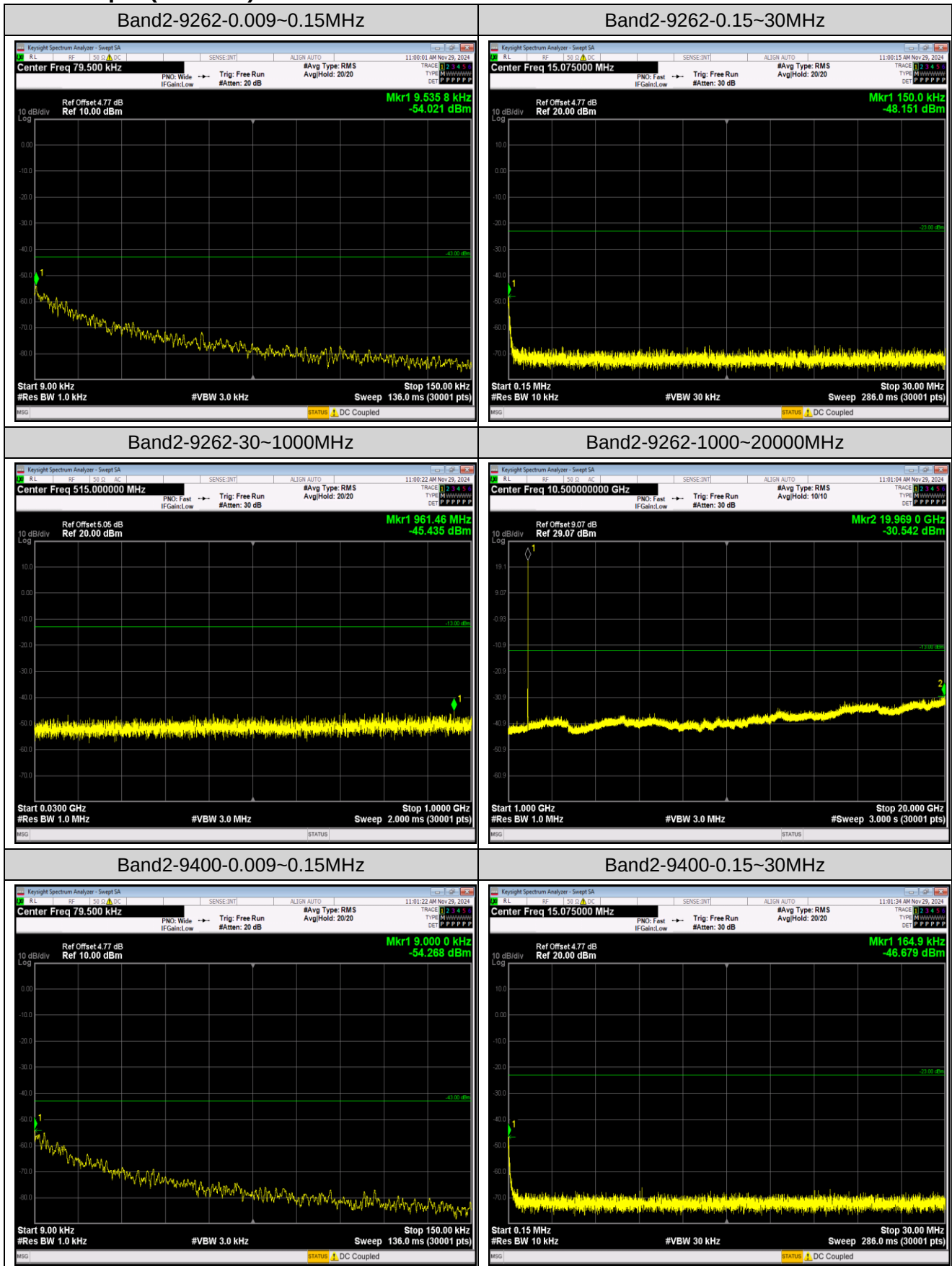
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.02	-43	PASS
Band2	9262	0.15~30MHz	0.15	-48.15	-23	PASS
Band2	9262	30~1000MHz	961.46	-45.44	-13	PASS
Band2	9262	1000~20000MHz	19968.97	-30.54	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.27	-43	PASS
Band2	9400	0.15~30MHz	0.16	-46.68	-23	PASS
Band2	9400	30~1000MHz	867.43	-44.81	-13	PASS
Band2	9400	1000~20000MHz	19931.6	-30.2	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-53.39	-43	PASS
Band2	9538	0.15~30MHz	0.16	-46.12	-23	PASS
Band2	9538	30~1000MHz	938.7	-44.72	-13	PASS
Band2	9538	1000~20000MHz	19725.77	-30.52	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.47	-43	PASS
Band4	1312	0.15~30MHz	0.15	-47.79	-23	PASS
Band4	1312	30~1000MHz	505.4	-45.49	-13	PASS
Band4	1312	1000~20000MHz	19881.57	-30.56	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.03	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.48	-23	PASS
Band4	1413	30~1000MHz	984.42	-45.77	-13	PASS
Band4	1413	1000~20000MHz	19879.03	-30.18	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.72	-43	PASS
Band4	1513	0.15~30MHz	0.15	-46.9	-23	PASS
Band4	1513	30~1000MHz	876.29	-45.65	-13	PASS
Band4	1513	1000~20000MHz	19901.2	-30.08	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.75	-33	PASS
Band5	4132	0.15~30MHz	0.16	-48.68	-13	PASS
Band5	4132	30~1000MHz	958.78	-54.4	-13	PASS
Band5	4132	1000~10000MHz	6893.8	-36.84	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.04	-33	PASS
Band5	4183	0.15~30MHz	0.16	-47.19	-13	PASS
Band5	4183	30~1000MHz	396.98	-55.08	-13	PASS
Band5	4183	1000~10000MHz	6011.5	-36.43	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55	-33	PASS
Band5	4233	0.15~30MHz	0.15	-45.07	-13	PASS
Band5	4233	30~1000MHz	419.71	-55.27	-13	PASS
Band5	4233	1000~10000MHz	7378	-36.58	-13	PASS

Test Graphs(WCDMA)

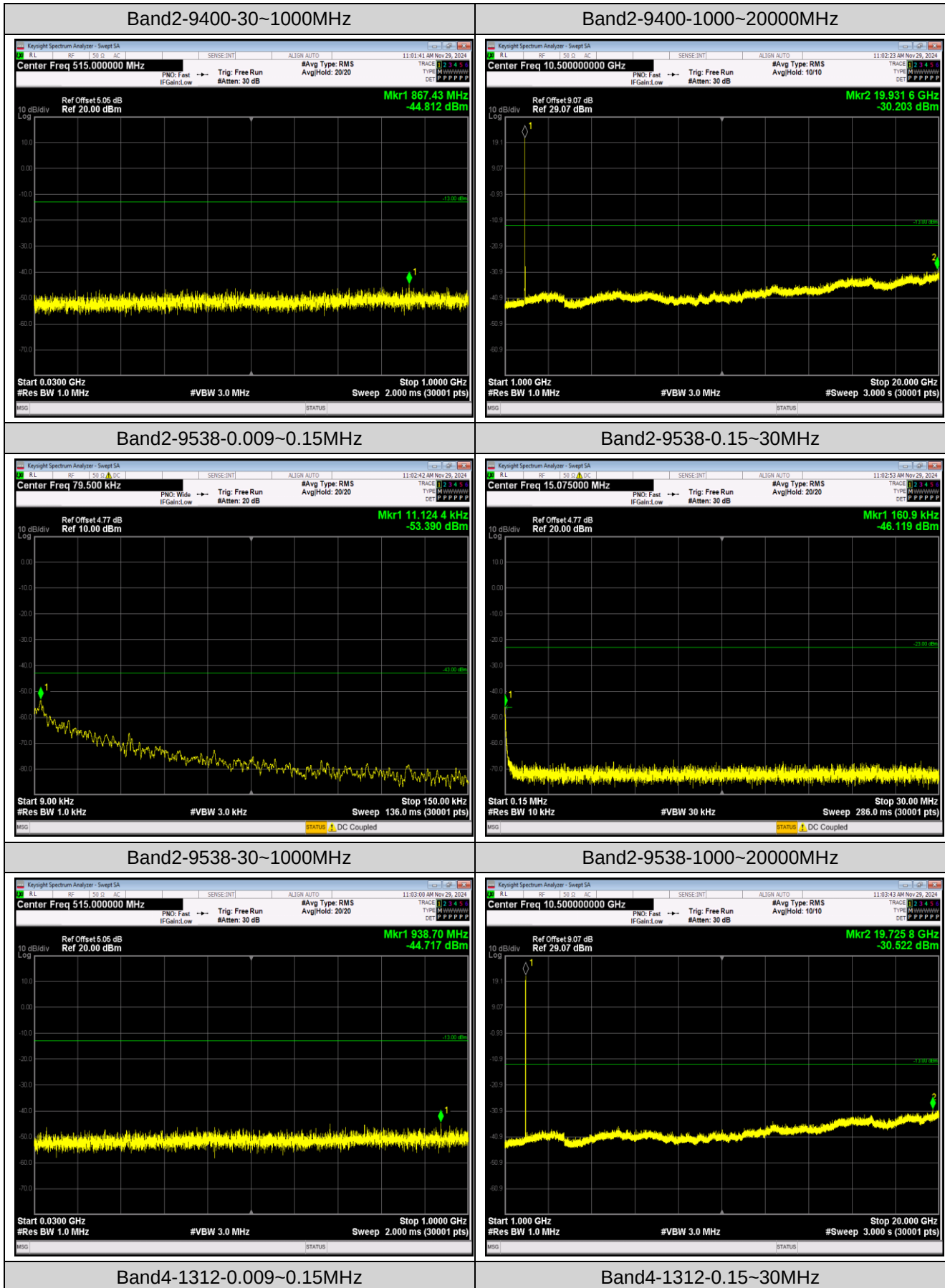


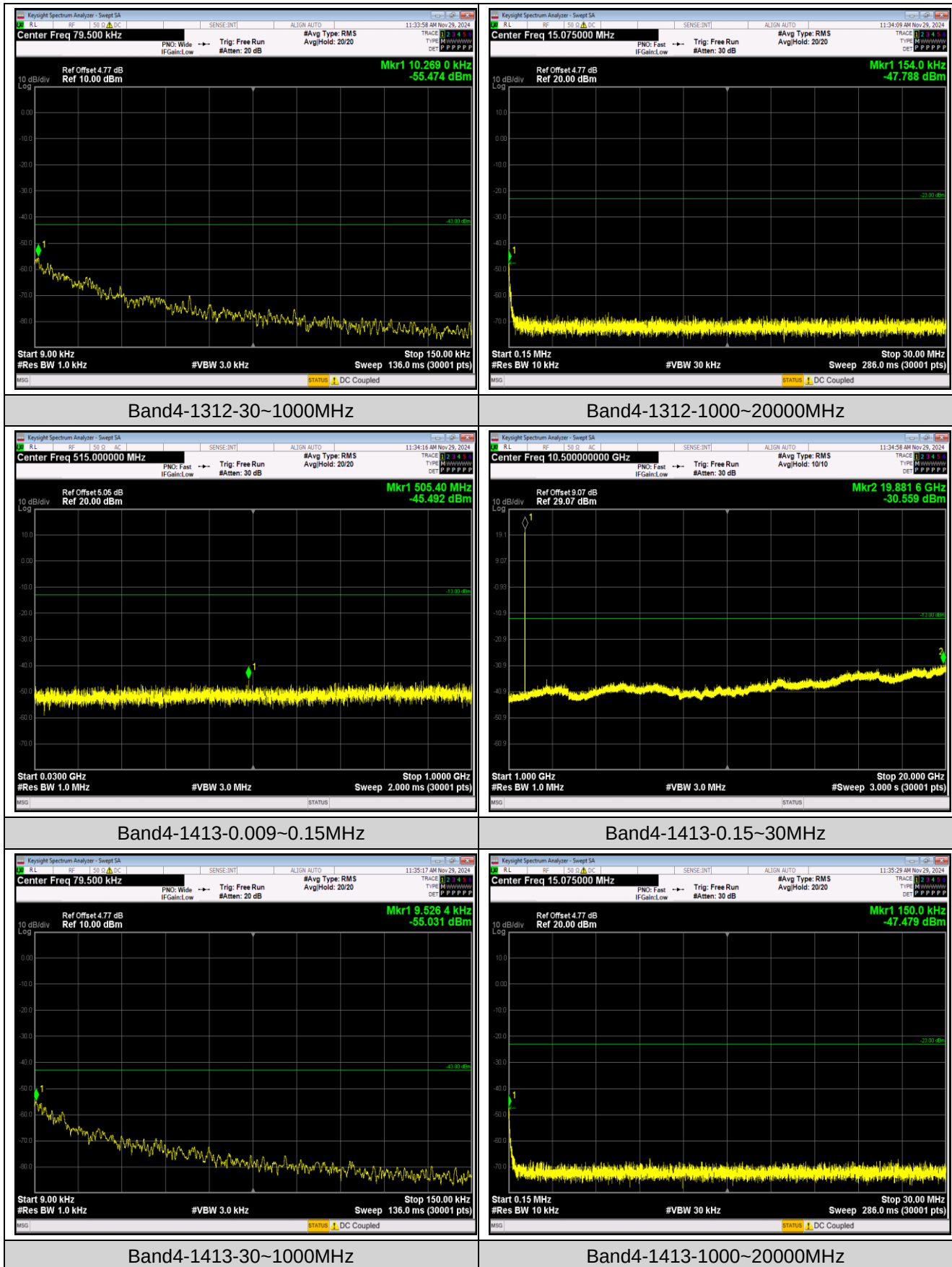
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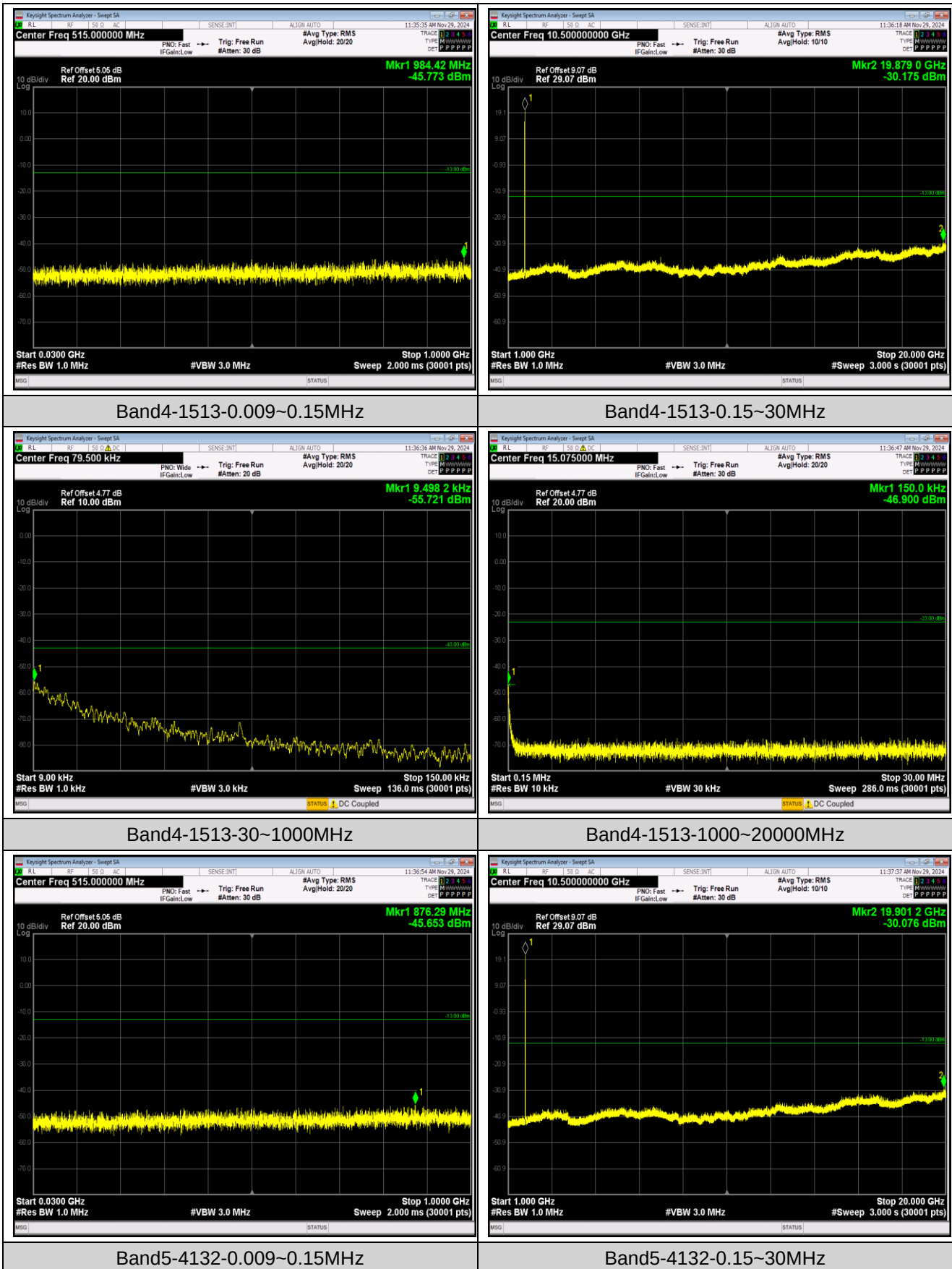
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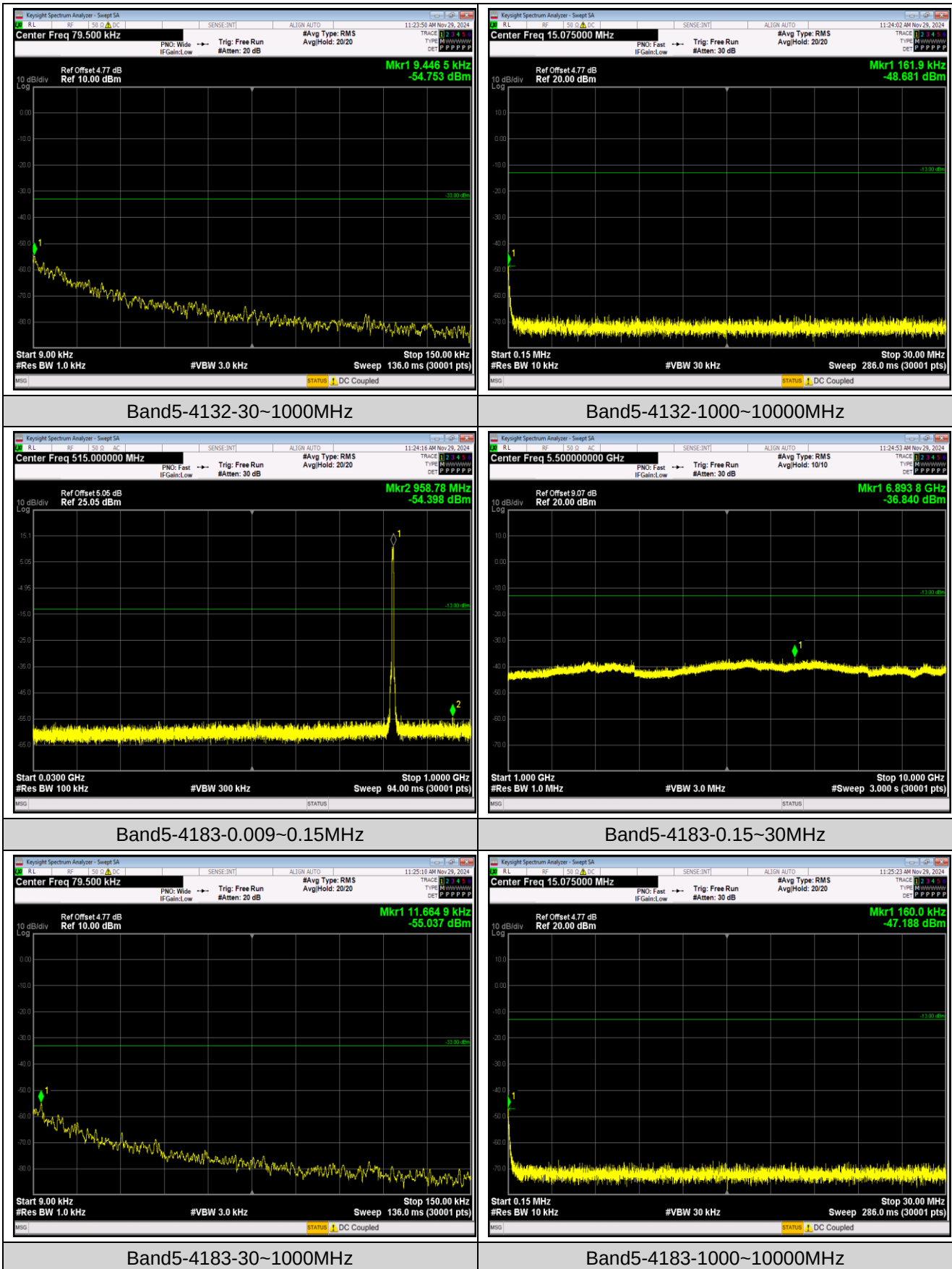
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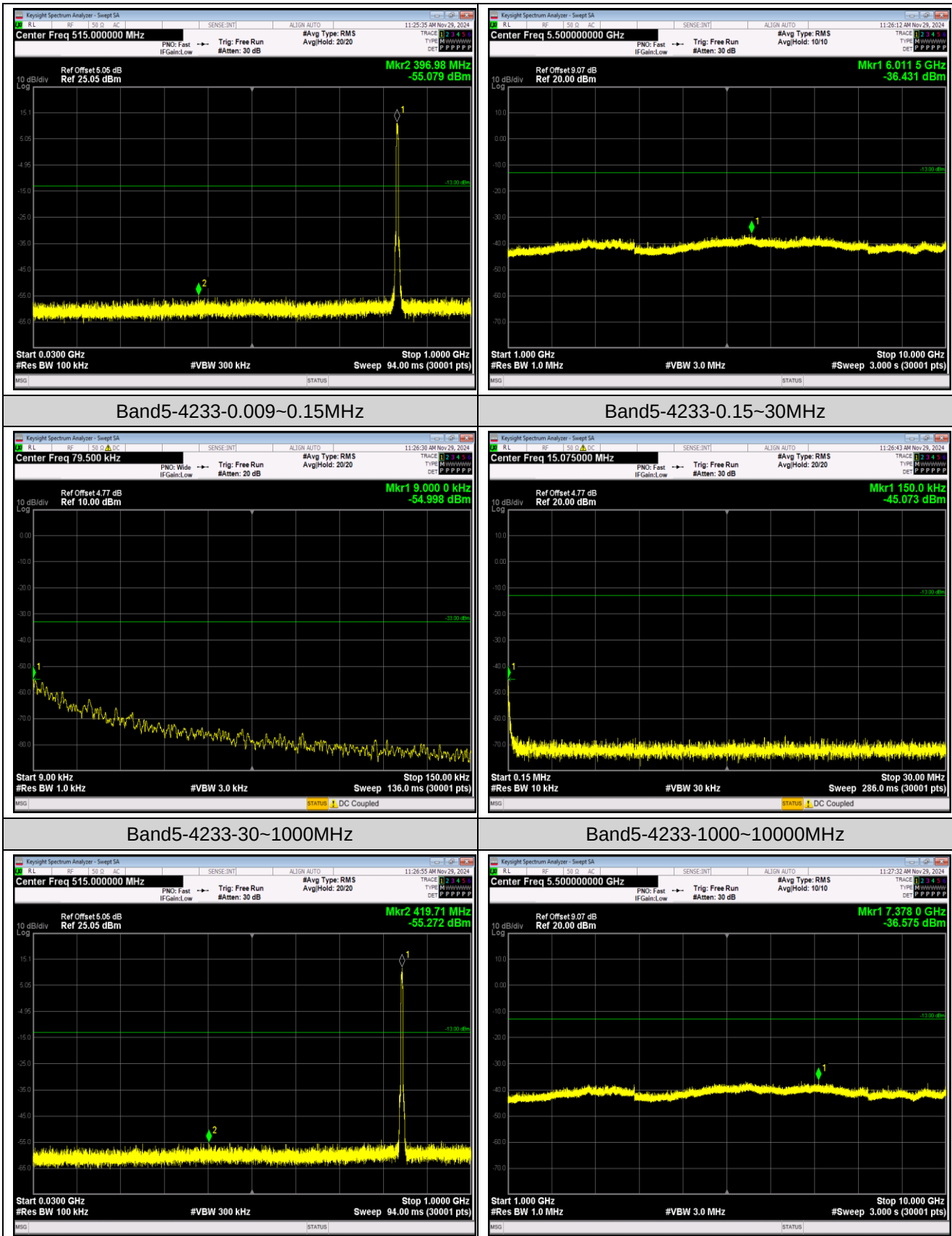
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Band5-4233-0.009~0.15MHz

Band5-4233-0.15~30MHz

Band5-4233-30~1000MHz

Band5-4233-1000~10000MHz

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		
3.70	-30	-1.85	-0.002211	±2.5	Pass
	-20	-2.06	-0.002462		
	-10	-3.79	-0.004530		
	0	0.16	0.000191		
	10	-1.79	-0.002140		
	20	-2.01	-0.002403		
	30	-1.93	-0.002307		
	40	-2.75	-0.003287		
	50	-0.43	-0.000514		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-2.36	-0.002821	±2.5	Pass
	3.70	-2.99	-0.003574		
	4.20	-0.51	-0.000610		
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		
3.70	-30	-3.18	-0.001835	Within authorized band for BAND IV	Pass
	-20	-6.80	-0.003925		
	-10	-1.23	-0.000710		
	0	0.81	0.000468		
	10	-1.56	-0.000900		
	20	1.91	0.001102		
	30	4.68	0.002701		
	40	-0.84	-0.000485		
	50	1.27	0.000733		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-2.76	-0.001593	Within authorized band for BAND IV	Pass
	3.70	-6.69	-0.003861		
	4.20	-3.46	-0.001997		
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		
3.70	-30	-4.07	-0.002165	Within authorized band for BAND II	Pass
	-20	-7.47	-0.003973		
	-10	-7.55	-0.004016		
	0	1.24	0.000660		
	10	-7.39	-0.003931		
	20	-8.56	-0.004553		
	30	0.80	0.000426		
	40	-3.26	-0.001734		
	50	-5.34	-0.002840		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-8.72	-0.004638	Within authorized band for BAND II	Pass
	3.70	2.19	0.001165		
	4.20	-5.69	-0.003027		
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

