

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	23.40	22.50	33	PASS
Band2	TestMode	9262	23.51	22.61	33	PASS
Band2	TestMode	9400	23.60	22.70	33	PASS
Band2	Voice	9400	23.50	22.60	33	PASS
Band2	TestMode	9538	23.75	22.85	33	PASS
Band2	Voice	9538	23.64	22.74	33	PASS
Band4	Voice	1312	23.64	21.24	30	PASS
Band4	TestMode	1312	23.60	21.20	30	PASS
Band4	Voice	1413	23.45	21.05	30	PASS
Band4	TestMode	1413	23.50	21.10	30	PASS
Band4	TestMode	1513	23.56	21.16	30	PASS
Band4	Voice	1513	23.49	21.09	30	PASS
Band5	Voice	4132	23.88	18.83	38.5	PASS
Band5	TestMode	4132	23.86	18.81	38.5	PASS
Band5	TestMode	4183	24.05	19.00	38.5	PASS
Band5	Voice	4183	23.99	18.94	38.5	PASS
Band5	Voice	4233	23.87	18.82	38.5	PASS
Band5	TestMode	4233	23.92	18.87	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.46	21.56	33	PASS
Band2	9262	2	21.92	21.02	33	PASS
Band2	9262	3	21.91	21.01	33	PASS
Band2	9262	4	21.89	20.99	33	PASS
Band2	9400	1	22.57	21.67	33	PASS
Band2	9400	2	21.95	21.05	33	PASS
Band2	9400	3	21.93	21.03	33	PASS
Band2	9400	4	21.92	21.02	33	PASS
Band2	9538	1	22.70	21.80	33	PASS
Band2	9538	2	22.07	21.17	33	PASS
Band2	9538	3	22.10	21.20	33	PASS
Band2	9538	4	22.17	21.27	33	PASS

Band4	1312	1	22.61	20.21	30	PASS
Band4	1312	2	22.06	19.66	30	PASS
Band4	1312	3	22.07	19.67	30	PASS
Band4	1312	4	22.09	19.69	30	PASS
Band4	1413	1	22.52	20.12	30	PASS
Band4	1413	2	21.96	19.56	30	PASS
Band4	1413	3	22.03	19.63	30	PASS
Band4	1413	4	21.97	19.57	30	PASS
Band4	1513	1	22.58	20.18	30	PASS
Band4	1513	2	22.07	19.67	30	PASS
Band4	1513	3	22.06	19.66	30	PASS
Band4	1513	4	22.03	19.63	30	PASS
Band5	4132	1	22.86	17.81	38.5	PASS
Band5	4132	2	22.28	17.23	38.5	PASS
Band5	4132	3	22.29	17.24	38.5	PASS
Band5	4132	4	22.30	17.25	38.5	PASS
Band5	4183	1	22.98	17.93	38.5	PASS
Band5	4183	2	22.44	17.39	38.5	PASS
Band5	4183	3	22.48	17.43	38.5	PASS
Band5	4183	4	22.46	17.41	38.5	PASS
Band5	4233	1	22.90	17.85	38.5	PASS
Band5	4233	2	22.38	17.33	38.5	PASS
Band5	4233	3	22.38	17.33	38.5	PASS
Band5	4233	4	22.38	17.33	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.45	19.55	33	PASS
Band2	9262	2	20.96	20.06	33	PASS
Band2	9262	3	21.47	20.57	33	PASS
Band2	9262	4	20.45	19.55	33	PASS
Band2	9262	5	22.45	21.55	33	PASS
Band2	9400	1	20.51	19.61	33	PASS
Band2	9400	2	21.00	20.10	33	PASS
Band2	9400	3	21.54	20.64	33	PASS
Band2	9400	4	20.56	19.66	33	PASS
Band2	9400	5	22.53	21.63	33	PASS
Band2	9538	1	20.62	19.72	33	PASS
Band2	9538	2	21.13	20.23	33	PASS
Band2	9538	3	21.62	20.72	33	PASS

Band2	9538	4	20.68	19.78	33	PASS
Band2	9538	5	22.60	21.70	33	PASS
Band4	1312	1	20.66	18.26	30	PASS
Band4	1312	2	21.14	18.74	30	PASS
Band4	1312	3	21.65	19.25	30	PASS
Band4	1312	4	20.65	18.25	30	PASS
Band4	1312	5	22.67	20.27	30	PASS
Band4	1413	1	20.54	18.14	30	PASS
Band4	1413	2	21.02	18.62	30	PASS
Band4	1413	3	21.55	19.15	30	PASS
Band4	1413	4	20.54	18.14	30	PASS
Band4	1413	5	22.53	20.13	30	PASS
Band4	1513	1	20.56	18.16	30	PASS
Band4	1513	2	21.10	18.70	30	PASS
Band4	1513	3	21.58	19.18	30	PASS
Band4	1513	4	20.61	18.21	30	PASS
Band4	1513	5	22.61	20.21	30	PASS
Band5	4132	1	20.87	15.82	38.5	PASS
Band5	4132	2	21.31	16.26	38.5	PASS
Band5	4132	3	21.83	16.78	38.5	PASS
Band5	4132	4	20.89	15.84	38.5	PASS
Band5	4132	5	22.86	17.81	38.5	PASS
Band5	4183	1	21.02	15.97	38.5	PASS
Band5	4183	2	21.48	16.43	38.5	PASS
Band5	4183	3	21.98	16.93	38.5	PASS
Band5	4183	4	21.04	15.99	38.5	PASS
Band5	4183	5	23.02	17.97	38.5	PASS
Band5	4233	1	20.91	15.86	38.5	PASS
Band5	4233	2	21.40	16.35	38.5	PASS
Band5	4233	3	21.89	16.84	38.5	PASS
Band5	4233	4	20.94	15.89	38.5	PASS
Band5	4233	5	22.93	17.88	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & Band4)

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

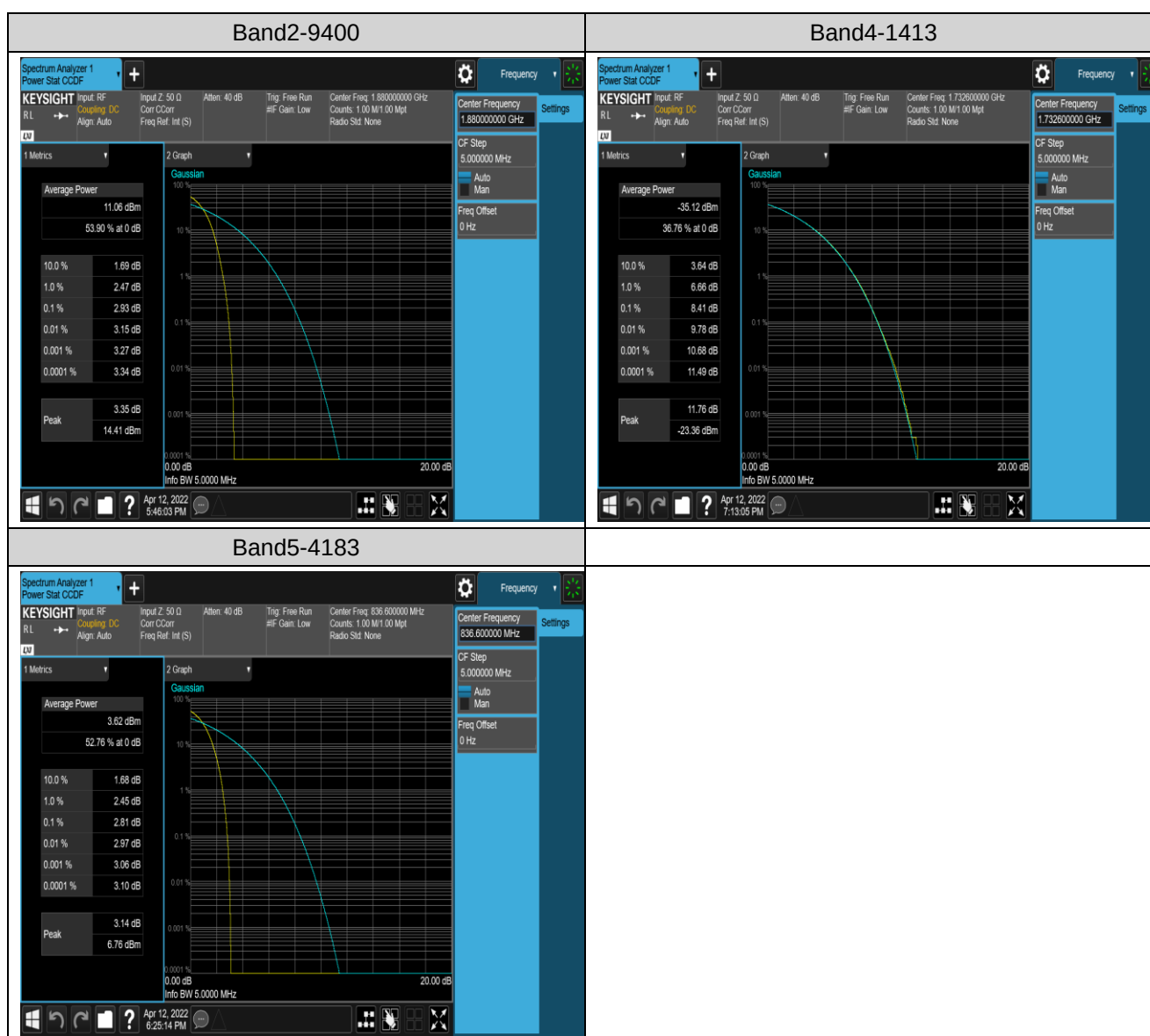
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.93	13	PASS
Band4	1413	8.41	13	PASS
Band5	4183	2.81	13	PASS

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

Test Graphs(WCDMA)

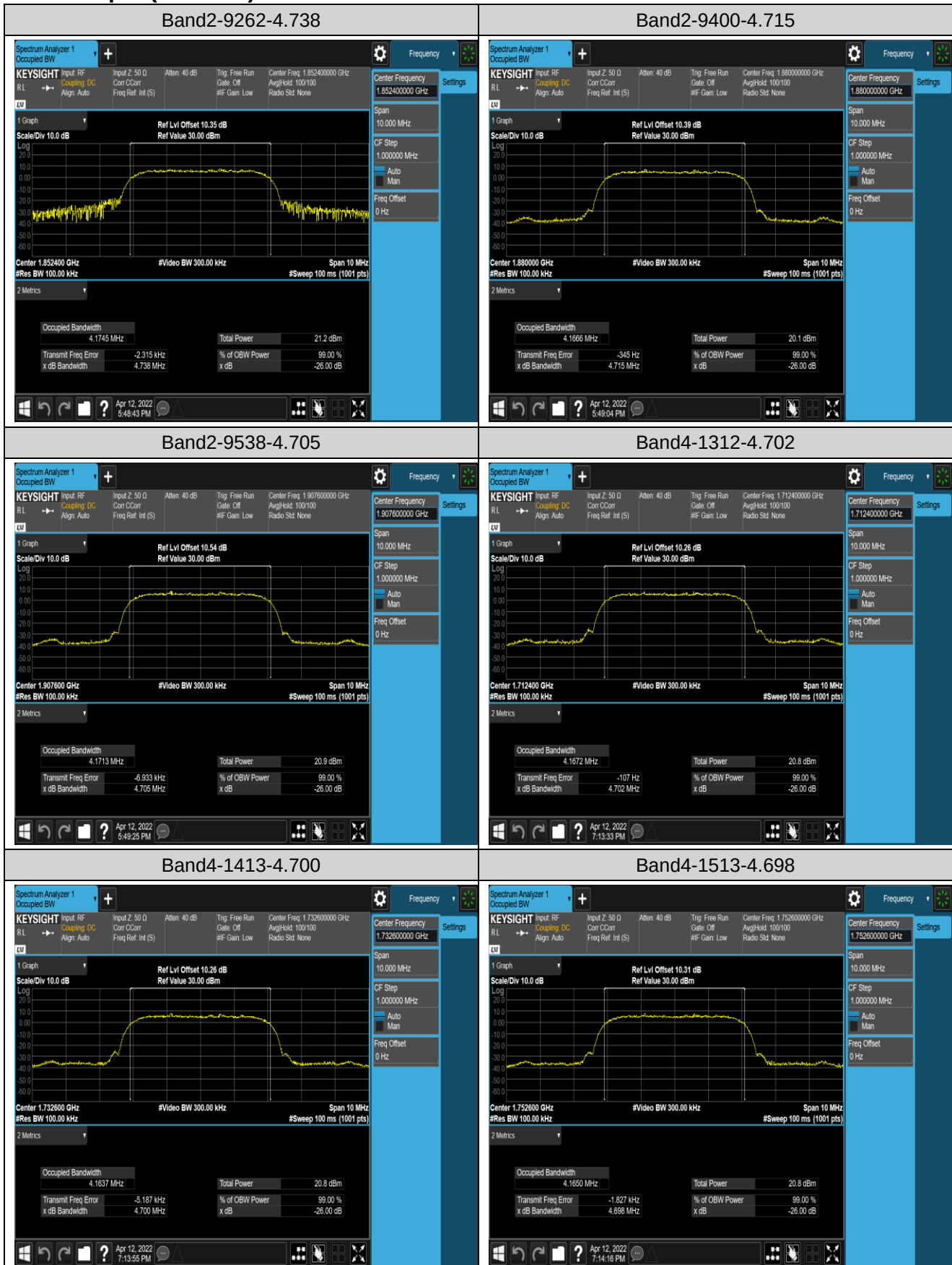


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1745	4.738	---	PASS
Band2	9400	4.1666	4.715	---	PASS
Band2	9538	4.1713	4.705	---	PASS
Band4	1312	4.1672	4.702	---	PASS
Band4	1413	4.1637	4.700	---	PASS
Band4	1513	4.1650	4.698	---	PASS
Band5	4132	4.1515	4.688	---	PASS
Band5	4183	4.1803	4.704	---	PASS
Band5	4233	4.1575	4.703	---	PASS

Test Graphs(WCDMA)



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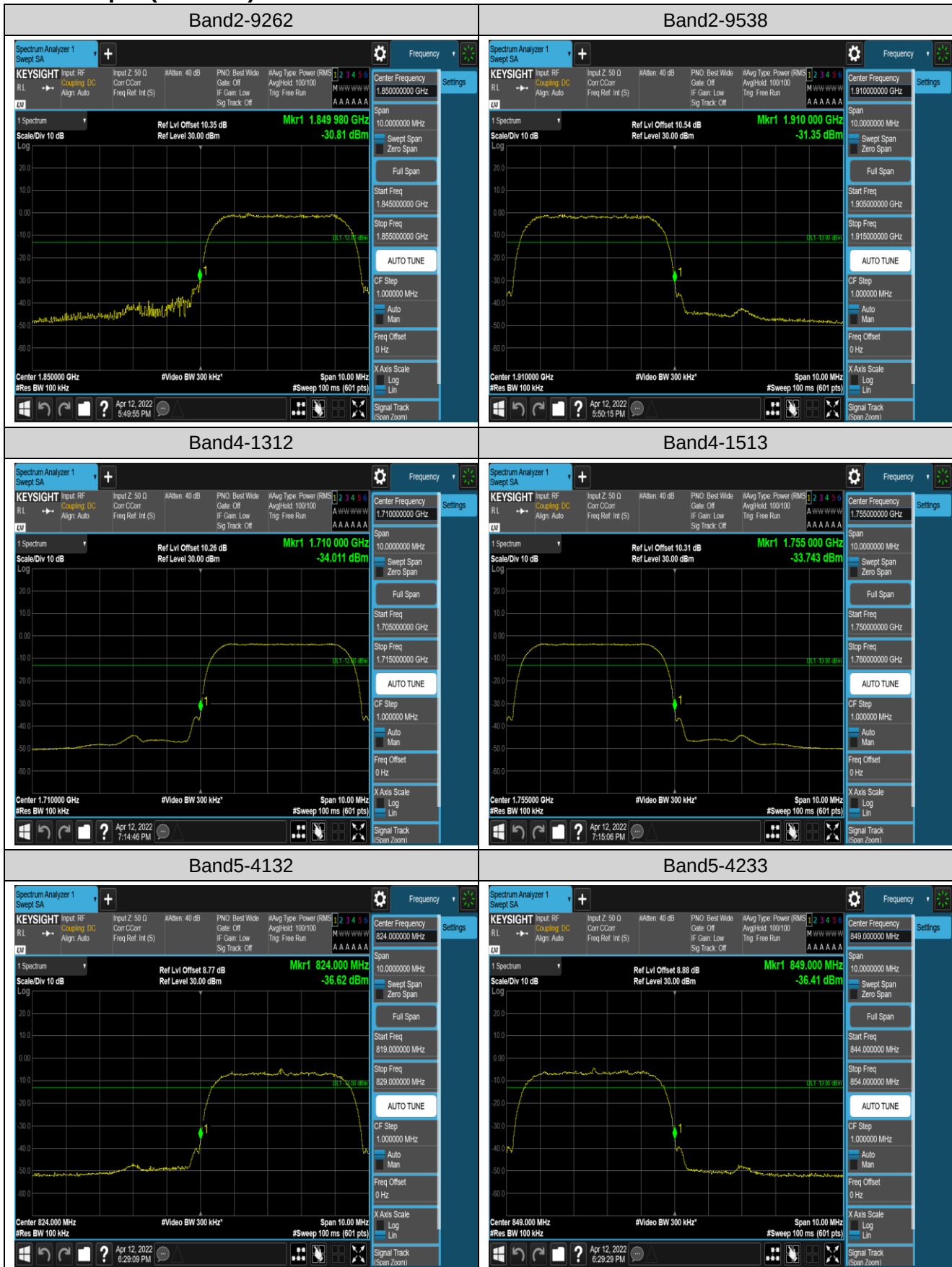


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.98	-30.81	-13	PASS
Band2	9538	1910.00	-31.35	-13	PASS
Band4	1312	1710.00	-34.01	-13	PASS
Band4	1513	1755.00	-33.74	-13	PASS
Band5	4132	824.00	-36.62	-13	PASS
Band5	4233	849.00	-36.41	-13	PASS

Test Graphs(WCDMA)



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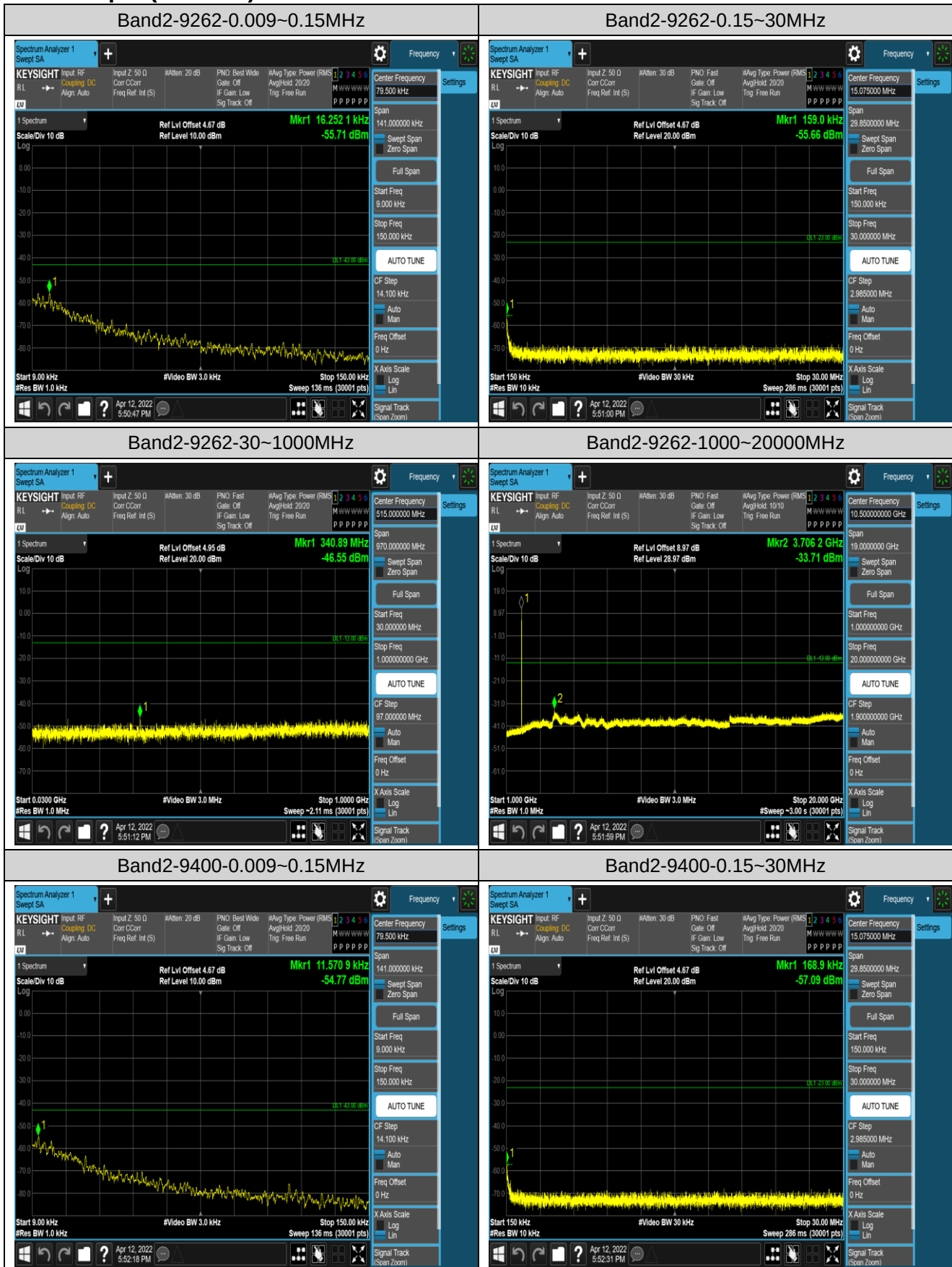
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.02	-55.71	-43	PASS
Band2	9262	0.15~30MHz	0.16	-55.66	-23	PASS
Band2	9262	30~1000MHz	340.89	-46.55	-13	PASS
Band2	9262	1000~20000MHz	3706.23	-33.71	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.77	-43	PASS
Band2	9400	0.15~30MHz	0.17	-57.09	-23	PASS
Band2	9400	30~1000MHz	957.87	-45.98	-13	PASS
Band2	9400	1000~20000MHz	3761.97	-33.7	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.09	-43	PASS
Band2	9538	0.15~30MHz	0.16	-58.17	-23	PASS
Band2	9538	30~1000MHz	910.92	-46.02	-13	PASS
Band2	9538	1000~20000MHz	3812.63	-32.1	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.61	-43	PASS
Band4	1312	0.15~30MHz	0.17	-56.66	-23	PASS
Band4	1312	30~1000MHz	972.58	-46.47	-13	PASS
Band4	1312	1000~20000MHz	3741.7	-33.88	-13	PASS
Band4	1413	0.009~0.15MHz	0.02	-55.4	-43	PASS
Band4	1413	0.15~30MHz	0.17	-58.77	-23	PASS
Band4	1413	30~1000MHz	750.81	-46.46	-13	PASS
Band4	1413	1000~20000MHz	19990.5	-34.16	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.65	-43	PASS
Band4	1513	0.15~30MHz	0.15	-56.15	-23	PASS
Band4	1513	30~1000MHz	689.47	-46.73	-13	PASS
Band4	1513	1000~20000MHz	19979.1	-33.36	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.56	-33	PASS
Band5	4132	0.15~30MHz	0.15	-55.45	-13	PASS
Band5	4132	30~1000MHz	722.94	-55.46	-13	PASS
Band5	4132	1000~10000MHz	3839.5	-34.98	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.25	-33	PASS
Band5	4183	0.15~30MHz	0.16	-57.97	-13	PASS
Band5	4183	30~1000MHz	979.73	-56.04	-13	PASS
Band5	4183	1000~10000MHz	3818.5	-34.34	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.38	-33	PASS
Band5	4233	0.15~30MHz	0.16	-57.63	-13	PASS
Band5	4233	30~1000MHz	498.54	-56.28	-13	PASS
Band5	4233	1000~10000MHz	3787.9	-34.63	-13	PASS

Test Graphs(WCDMA)

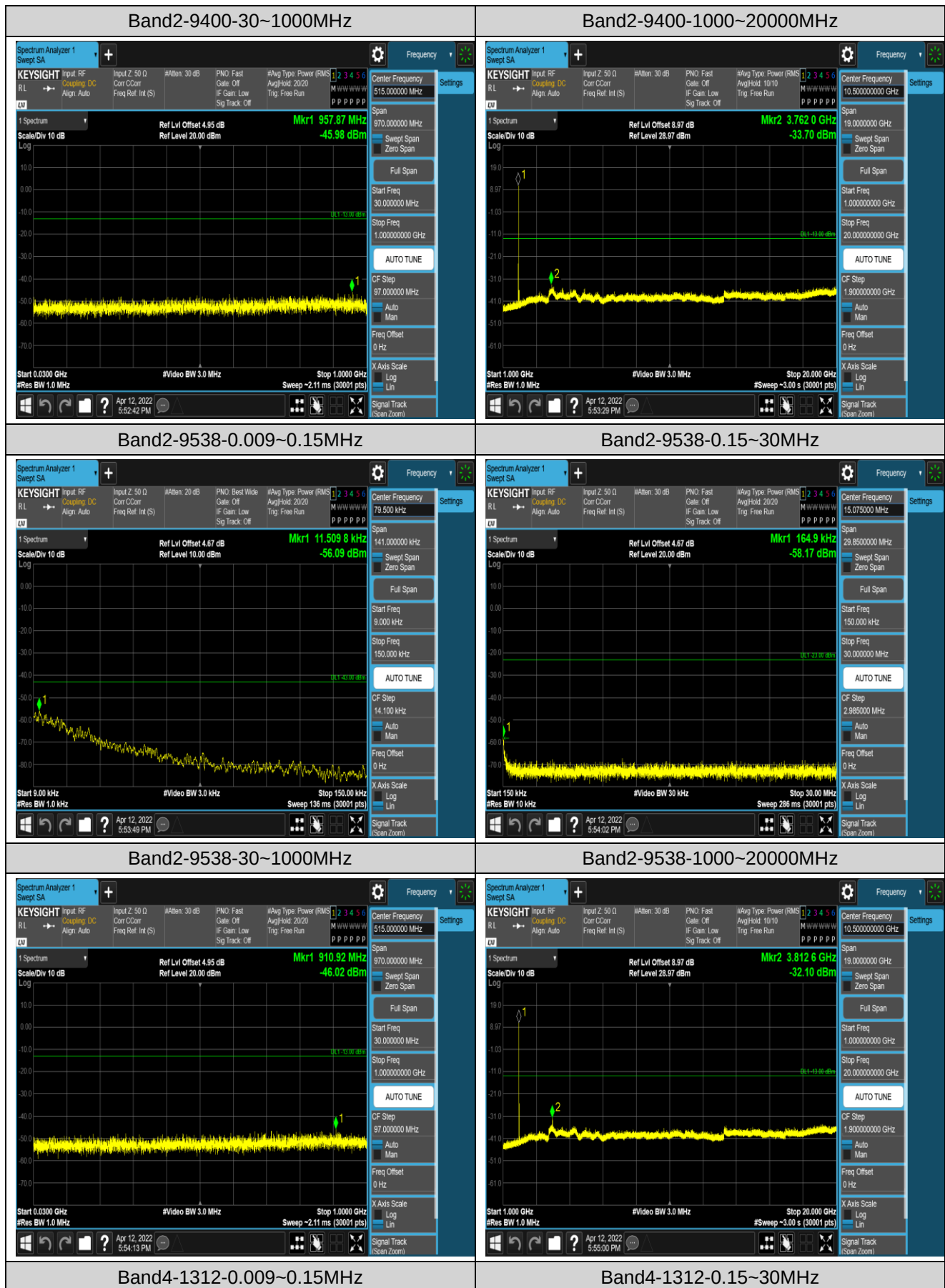


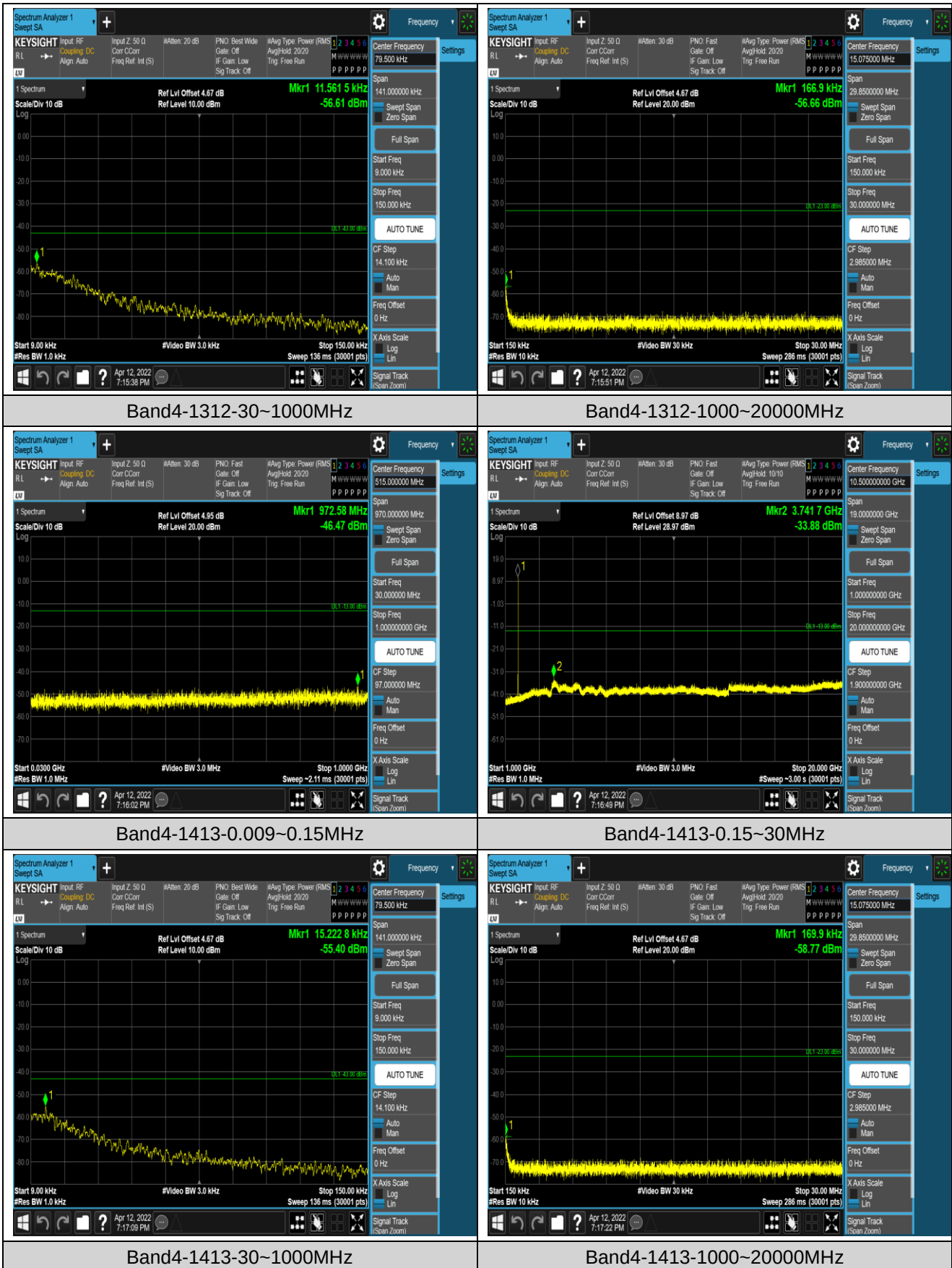
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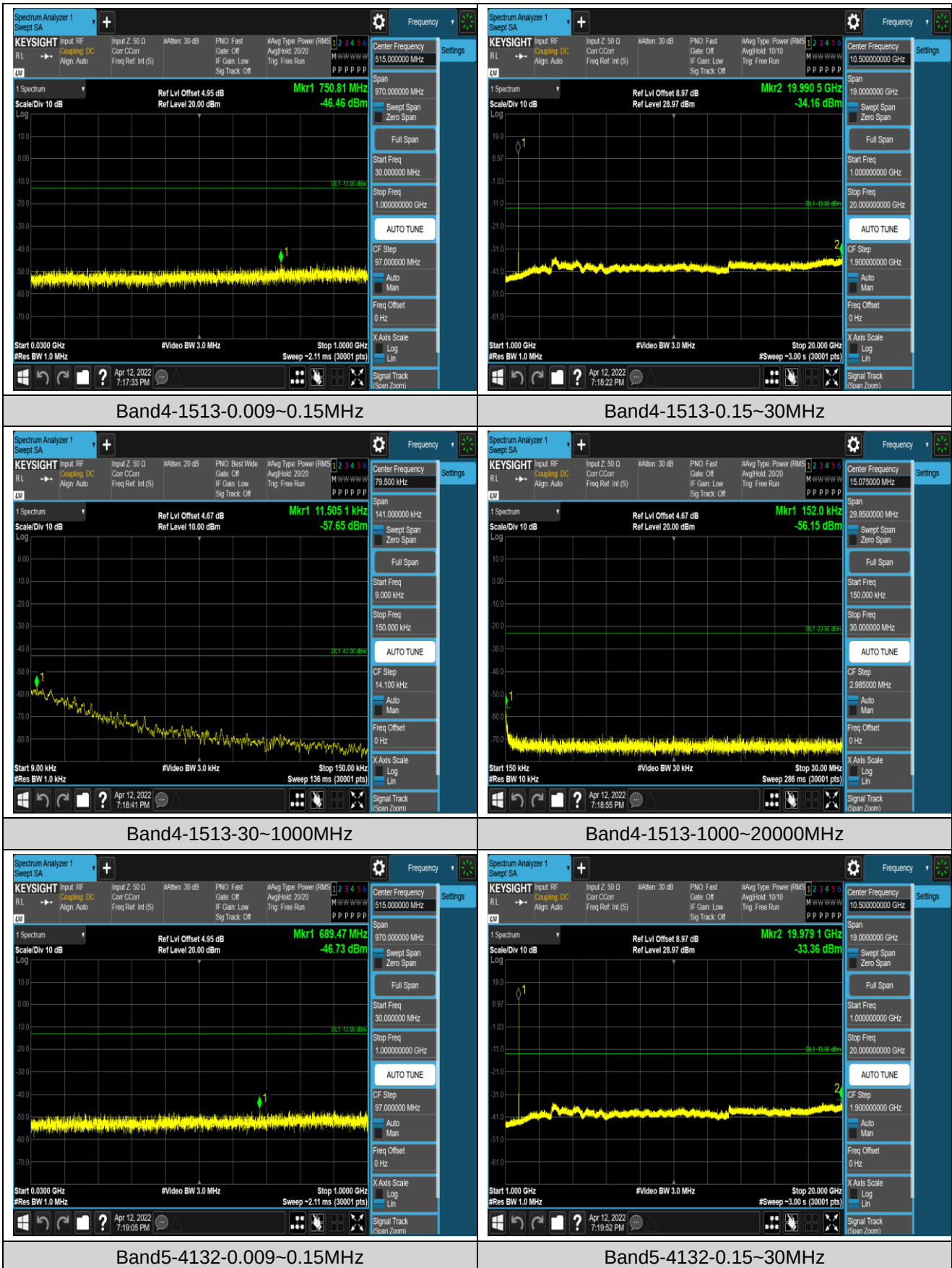
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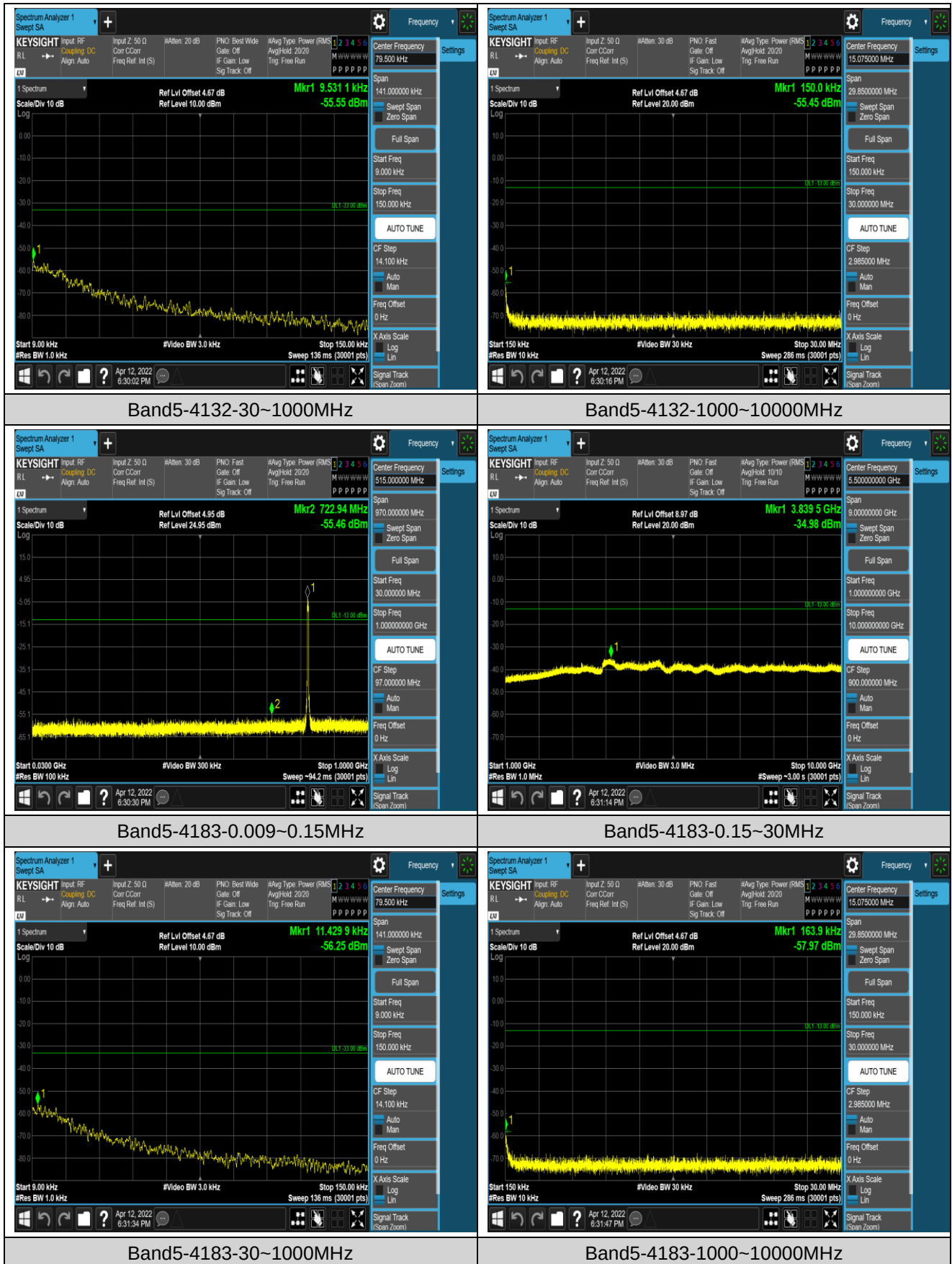
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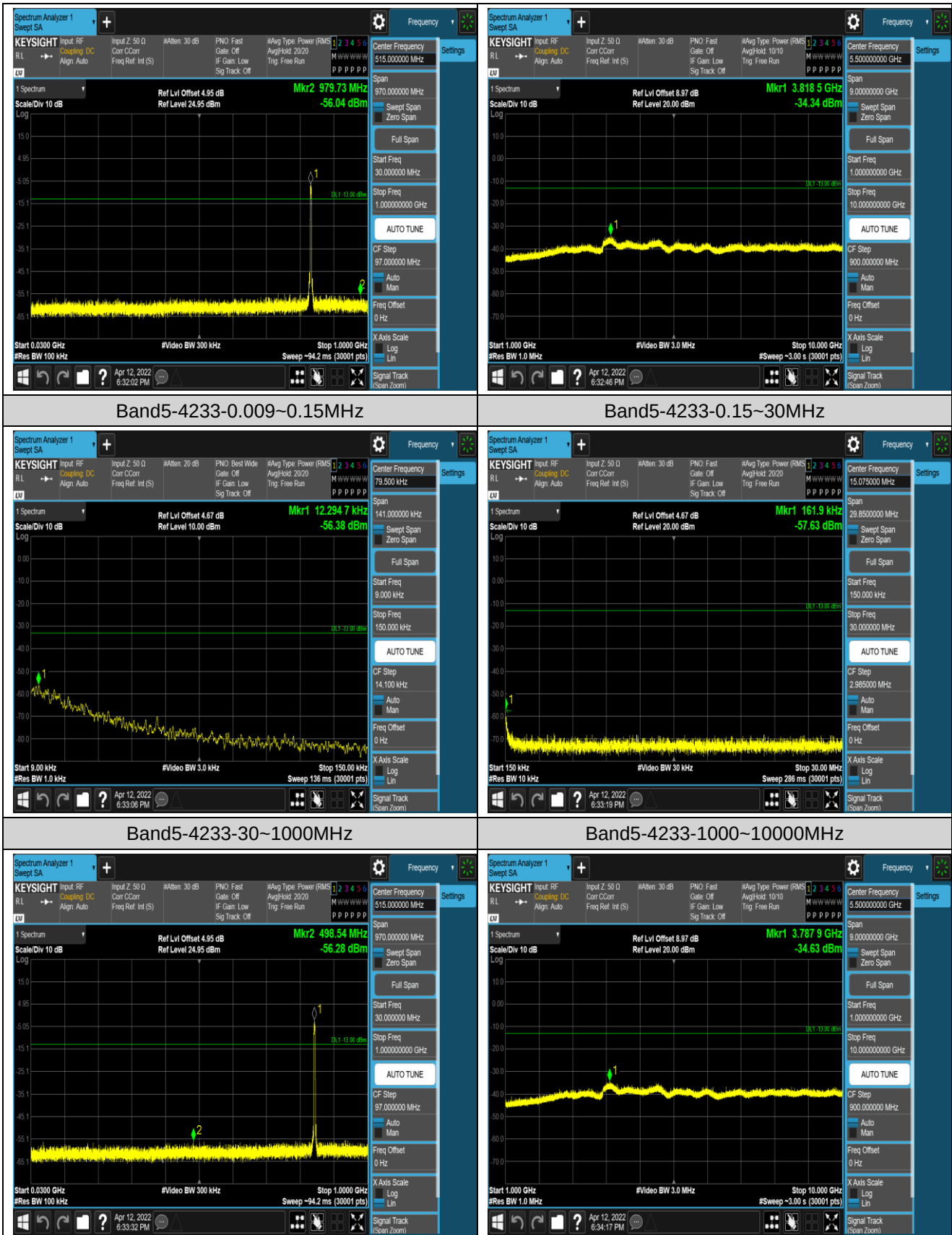
Project No.: JYTSZR2204028











AppendixF:Frequency Stability

Test Result

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	-4.11	-0.002186	Within authorized band for BAND II	Pass
	-20	-13.74	-0.007309		
	-10	-13.05	-0.006941		
	0	-10.59	-0.005633		
	10	-5.76	-0.003064		
	20	-6.62	-0.003521		
	30	-11.47	-0.006101		
	40	-15.70	-0.008351		
	50	-15.42	-0.008202		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.56	-0.007213	Within authorized band for BAND II	Pass
	3.85	-12.17	-0.006473		
	4.40	-12.72	-0.006766		
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	-14.35	-0.008282	Within authorized band for BAND IV	Pass
	-20	-11.22	-0.006476		
	-10	-12.09	-0.006978		
	0	-12.49	-0.007209		
	10	-13.60	-0.007849		
	20	-12.77	-0.007370		
	30	-11.37	-0.006659		
	40	-12.43	-0.007204		
	50	-12.67	-0.007352		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.66	-0.007884	Within authorized band for BAND IV	Pass
	3.85	-14.94	-0.008623		
	4.40	-14.62	-0.008438		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

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		
3.85	-30	-9.50	-0.011355	±2.5	Pass
	-20	-10.29	-0.012300		
	-10	-13.06	-0.015611		
	0	-8.20	-0.009802		
	10	-12.17	-0.014547		
	20	-5.83	-0.006969		
	30	-8.28	-0.009897		
	40	-10.62	-0.012694		
	50	-13.89	-0.016603		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-9.75	-0.011654	±2.5	Pass
	3.85	-12.20	-0.014583		
	4.40	-14.45	-0.017272		
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

