

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	21.93	22.28	33	PASS
Band2	TestMode	9262	22.04	22.39	33	PASS
Band2	Voice	9400	22.04	22.39	33	PASS
Band2	TestMode	9400	22.15	22.50	33	PASS
Band2	Voice	9538	21.88	22.23	33	PASS
Band2	TestMode	9538	21.92	22.27	33	PASS
Band5	Voice	4132	22.62	20.44	38.5	PASS
Band5	TestMode	4132	22.65	20.47	38.5	PASS
Band5	Voice	4183	23.43	21.25	38.5	PASS
Band5	TestMode	4183	23.48	21.30	38.5	PASS
Band5	Voice	4233	22.95	20.77	38.5	PASS
Band5	TestMode	4233	22.93	20.75	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.37	20.72	33	PASS
Band2	9262	2	20.42	20.77	33	PASS
Band2	9262	3	20.46	20.81	33	PASS
Band2	9262	4	20.43	20.78	33	PASS
Band2	9400	1	19.99	20.34	33	PASS
Band2	9400	2	20.03	20.38	33	PASS
Band2	9400	3	20.08	20.43	33	PASS
Band2	9400	4	20.00	20.35	33	PASS
Band2	9538	1	19.99	20.34	33	PASS
Band2	9538	2	19.92	20.27	33	PASS
Band2	9538	3	19.98	20.33	33	PASS
Band2	9538	4	19.97	20.32	33	PASS
Band5	4132	1	21.07	18.89	38.5	PASS
Band5	4132	2	21.07	18.89	38.5	PASS
Band5	4132	3	21.11	18.93	38.5	PASS
Band5	4132	4	21.06	18.88	38.5	PASS
Band5	4183	1	21.31	19.13	38.5	PASS
Band5	4183	2	21.42	19.24	38.5	PASS
Band5	4183	3	21.47	19.29	38.5	PASS

Band5	4183	4	21.42	19.24	38.5	PASS
Band5	4233	1	19.97	17.79	38.5	PASS
Band5	4233	2	20.00	17.82	38.5	PASS
Band5	4233	3	20.03	17.85	38.5	PASS
Band5	4233	4	19.98	17.8	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.73	20.08	33	PASS
Band2	9262	2	19.68	20.03	33	PASS
Band2	9262	3	18.84	19.19	33	PASS
Band2	9262	4	19.70	20.05	33	PASS
Band2	9262	5	20.60	20.95	33	PASS
Band2	9400	1	19.35	19.7	33	PASS
Band2	9400	2	19.35	19.7	33	PASS
Band2	9400	3	18.54	18.89	33	PASS
Band2	9400	4	19.43	19.78	33	PASS
Band2	9400	5	20.31	20.66	33	PASS
Band2	9538	1	19.37	19.72	33	PASS
Band2	9538	2	19.46	19.81	33	PASS
Band2	9538	3	18.51	18.86	33	PASS
Band2	9538	4	19.41	19.76	33	PASS
Band2	9538	5	20.24	20.59	33	PASS
Band5	4132	1	20.31	18.13	38.5	PASS
Band5	4132	2	20.36	18.18	38.5	PASS
Band5	4132	3	19.57	17.39	38.5	PASS
Band5	4132	4	20.31	18.13	38.5	PASS
Band5	4132	5	21.37	19.19	38.5	PASS
Band5	4183	1	20.74	18.56	38.5	PASS
Band5	4183	2	20.69	18.51	38.5	PASS
Band5	4183	3	19.98	17.8	38.5	PASS
Band5	4183	4	20.63	18.45	38.5	PASS
Band5	4183	5	21.70	19.52	38.5	PASS
Band5	4233	1	19.38	17.2	38.5	PASS
Band5	4233	2	19.28	17.1	38.5	PASS
Band5	4233	3	18.63	16.45	38.5	PASS
Band5	4233	4	19.20	17.02	38.5	PASS
Band5	4233	5	20.28	18.1	38.5	PASS

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

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

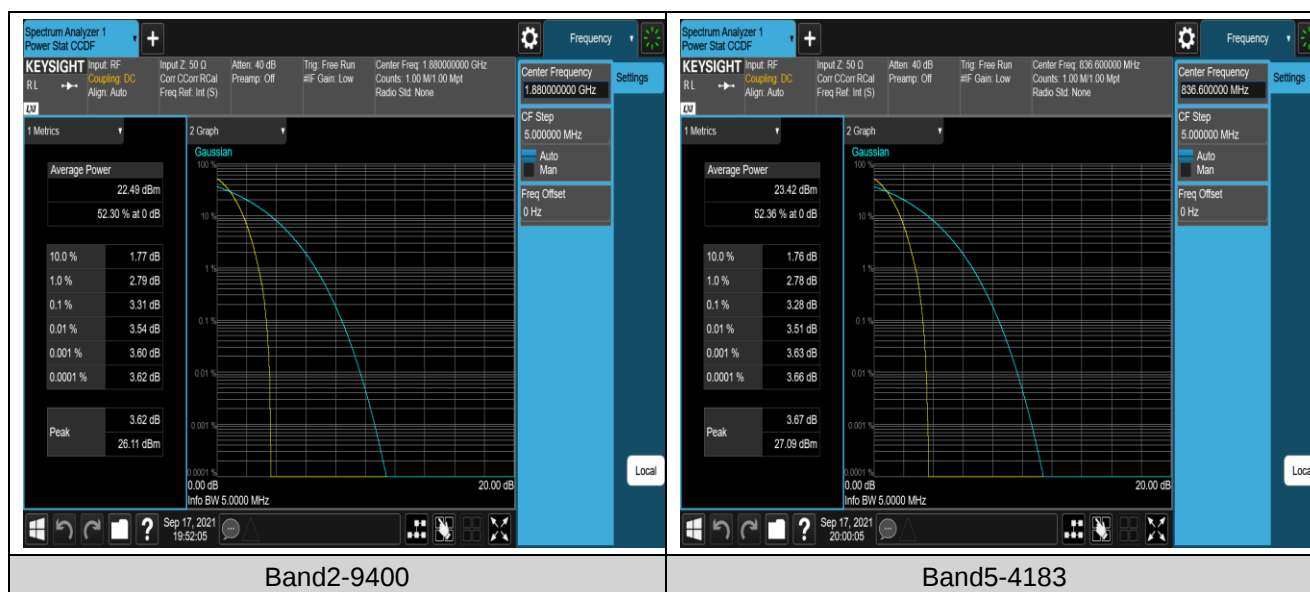
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.31	13	PASS
Band5	4183	3.28	13	PASS

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

Test Graphs(WCDMA)

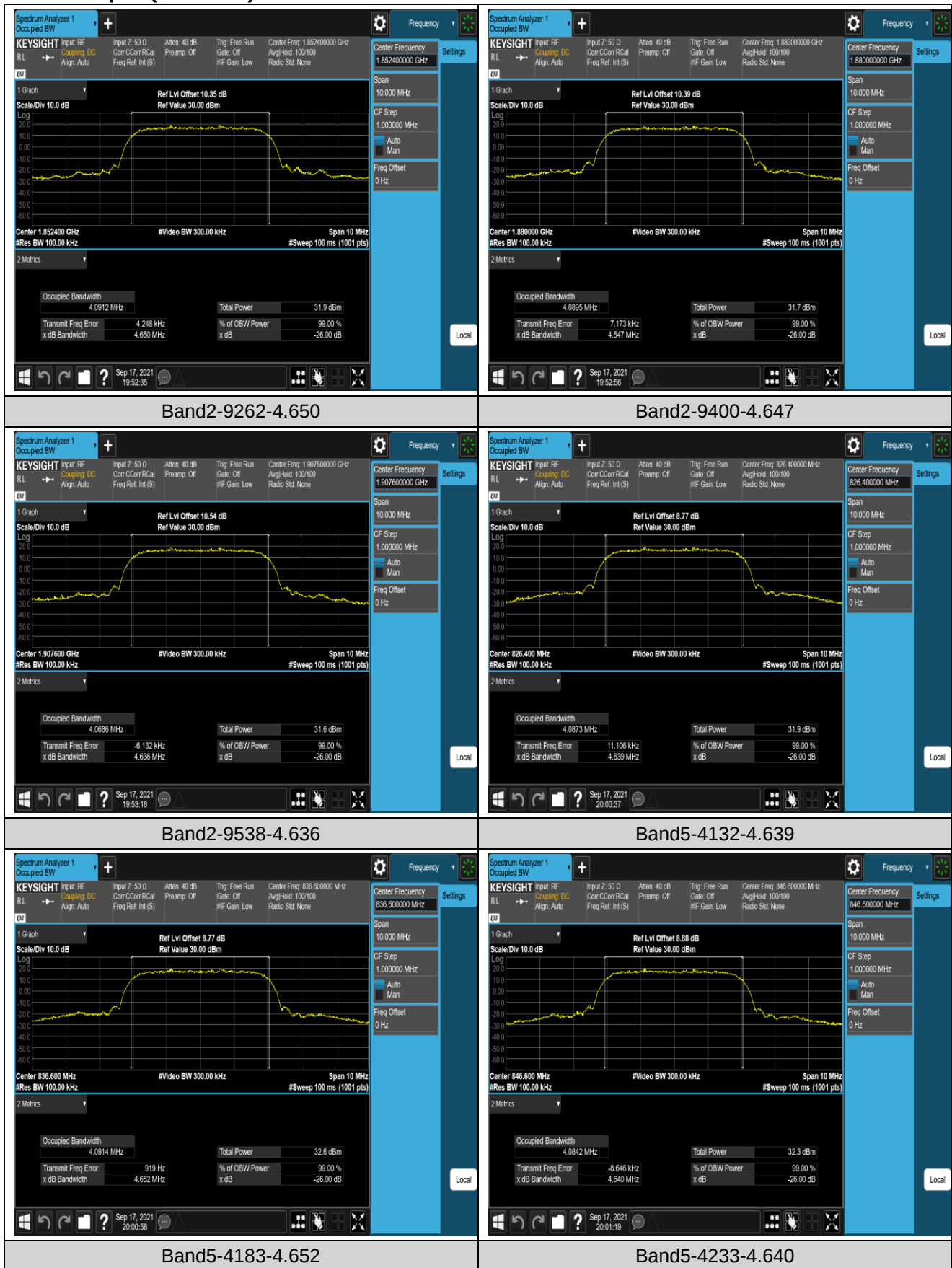


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.0912	4.650	---	PASS
Band2	9400	4.0895	4.647	---	PASS
Band2	9538	4.0686	4.636	---	PASS
Band5	4132	4.0873	4.639	---	PASS
Band5	4183	4.0914	4.652	---	PASS
Band5	4233	4.0842	4.640	---	PASS

Test Graphs(WCDMA)



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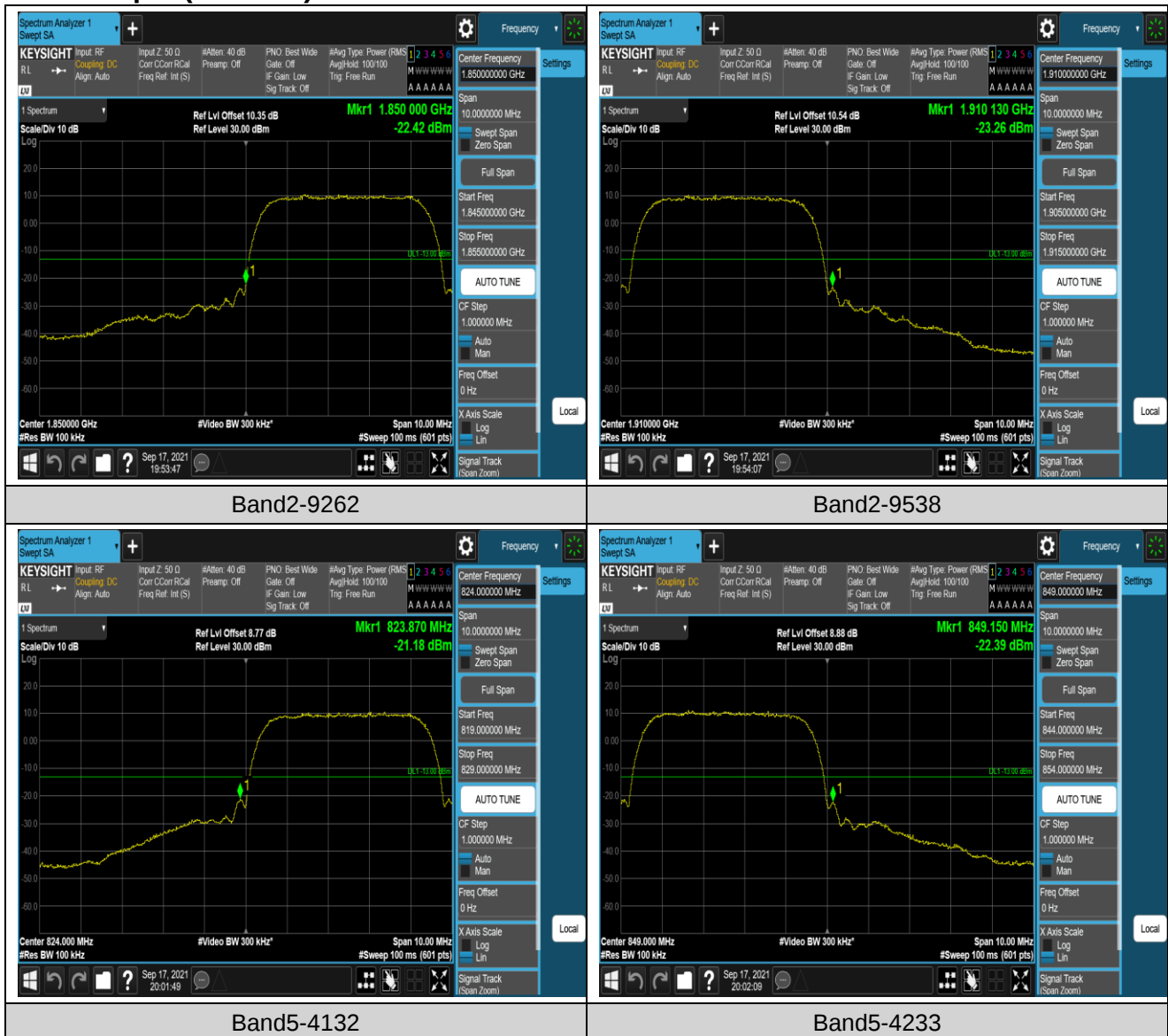
Project No.: JYTSZE2109043

AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-22.42	-13	PASS
Band2	9538	1910.13	-23.26	-13	PASS
Band5	4132	823.87	-21.18	-13	PASS
Band5	4233	849.15	-22.39	-13	PASS

Test Graphs(WCDMA)



AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.08	-75.44	-43	PASS
Band2	9262	0.15~30MHz	0.16	-54.44	-23	PASS
Band2	9262	30~1000MHz	853.5	-47.63	-13	PASS
Band2	9262	1000~20000MHz	19374.9	-34.19	-13	PASS
Band2	9400	0.009~0.15MHz	0.13	-74.04	-43	PASS
Band2	9400	0.15~30MHz	0.15	-56	-23	PASS
Band2	9400	30~1000MHz	990.95	-48	-13	PASS
Band2	9400	1000~20000MHz	19778.33	-34.45	-13	PASS
Band2	9538	0.009~0.15MHz	0.1	-75.44	-43	PASS
Band2	9538	0.15~30MHz	0.18	-58.37	-23	PASS
Band2	9538	30~1000MHz	449.85	-48.1	-13	PASS
Band2	9538	1000~20000MHz	19039.87	-34.64	-13	PASS
Band5	4132	0.009~0.15MHz	0.09	-74.3	-33	PASS
Band5	4132	0.15~30MHz	0.16	-57.95	-13	PASS
Band5	4132	30~1000MHz	304.32	-56.97	-13	PASS
Band5	4132	1000~10000MHz	4909	-34.76	-13	PASS
Band5	4183	0.009~0.15MHz	0.11	-75.12	-33	PASS
Band5	4183	0.15~30MHz	0.16	-56.91	-13	PASS
Band5	4183	30~1000MHz	719.02	-57.71	-13	PASS
Band5	4183	1000~10000MHz	3655.9	-36.01	-13	PASS
Band5	4233	0.009~0.15MHz	0.02	-75.33	-33	PASS
Band5	4233	0.15~30MHz	0.15	-56.04	-13	PASS
Band5	4233	30~1000MHz	989.88	-57.78	-13	PASS
Band5	4233	1000~10000MHz	3978.1	-35.4	-13	PASS

Test Graphs(WCDMA)

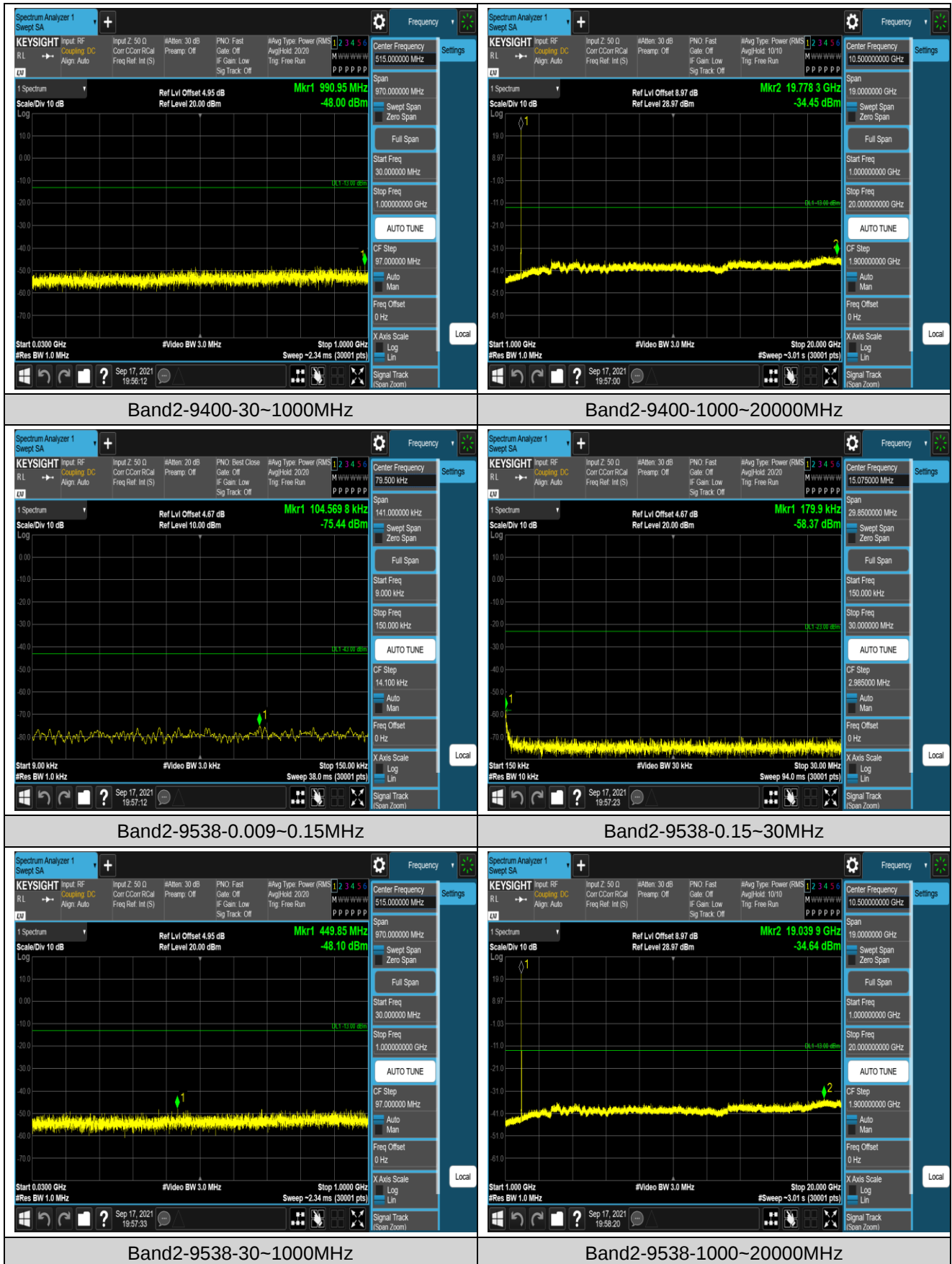


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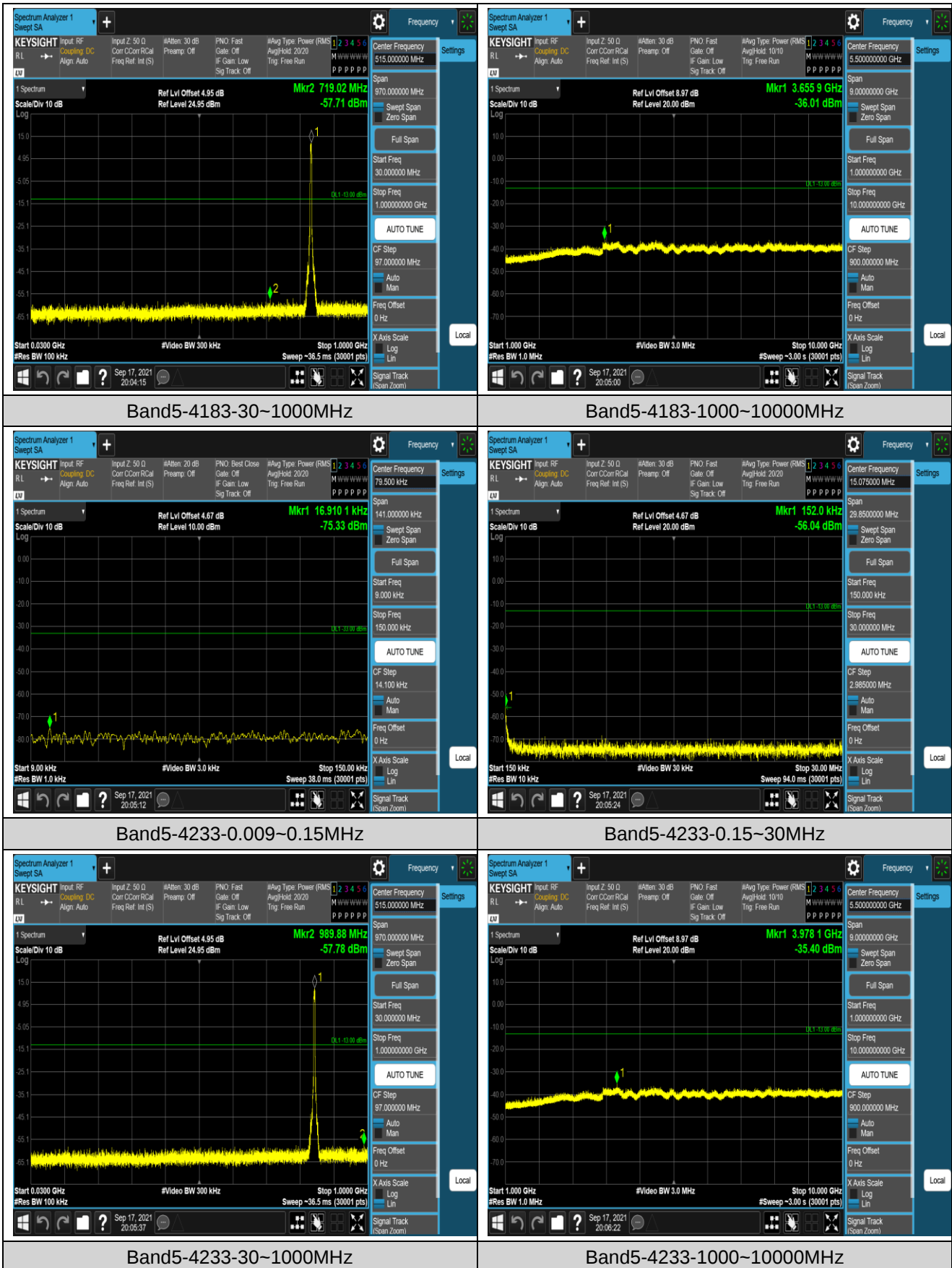
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AppendixF:Frequency Stability

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		
3.70	-30	7.20	0.003830	Within authorized band for BAND II	Pass
	-20	6.38	0.003394		
	-10	5.93	0.003154		
	0	5.56	0.002957		
	10	6.23	0.003314		
	20	6.41	0.003410		
	30	7.62	0.004053		
	40	5.97	0.003176		
	50	8.16	0.004340		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	5.74	0.003053	Within authorized band for BAND II	Pass
	3.70	7.63	0.004059		
	4.20	6.32	0.003362		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	1.38	0.001650	±2.5	Pass
	-20	1.70	0.002032		
	-10	1.65	0.001972		
	0	1.84	0.002199		
	10	1.97	0.002355		
	20	0.97	0.001159		
	30	2.27	0.002713		
	40	1.04	0.001243		
	50	1.83	0.002187		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	2.26	0.002701	±2.5	Pass
	3.70	2.65	0.003168		
	4.20	2.15	0.002570		
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
Band5	4183	PASS	PASS

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

Test Graphs

