

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	23.00	19.79	33.01	PASS
Band2	TestMode	9262	23.01	19.8	33.01	PASS
Band2	TestMode	9400	23.31	20.1	33.01	PASS
Band2	Voice	9400	23.21	20	33.01	PASS
Band2	TestMode	9538	23.42	20.21	33.01	PASS
Band2	Voice	9538	23.34	20.13	33.01	PASS
Band4	Voice	1312	23.15	20.33	30.00	PASS
Band4	TestMode	1312	23.16	20.34	30.00	PASS
Band4	Voice	1413	23.03	20.21	30.00	PASS
Band4	TestMode	1413	23.12	20.3	30.00	PASS
Band4	TestMode	1513	23.21	20.39	30.00	PASS
Band4	Voice	1513	23.18	20.36	30.00	PASS
Band5	Voice	4132	23.11	15.79	38.45	PASS
Band5	TestMode	4132	23.14	15.82	38.45	PASS
Band5	TestMode	4183	23.36	16.04	38.45	PASS
Band5	Voice	4183	23.33	16.01	38.45	PASS
Band5	Voice	4233	23.23	15.91	38.45	PASS
Band5	TestMode	4233	23.25	15.93	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.03	19.82	33.01	PASS
Band2	9262	2	22.49	19.28	33.01	PASS
Band2	9262	3	22.46	19.25	33.01	PASS
Band2	9262	4	22.50	19.29	33.01	PASS
Band2	9400	1	23.35	20.14	33.01	PASS
Band2	9400	2	22.74	19.53	33.01	PASS
Band2	9400	3	22.79	19.58	33.01	PASS
Band2	9400	4	22.77	19.56	33.01	PASS
Band2	9538	1	23.44	20.23	33.01	PASS
Band2	9538	2	22.85	19.64	33.01	PASS
Band2	9538	3	22.89	19.68	33.01	PASS
Band2	9538	4	22.87	19.66	33.01	PASS

Band4	1312	1	23.20	20.38	30.00	PASS
Band4	1312	2	22.64	19.82	30.00	PASS
Band4	1312	3	22.67	19.85	30.00	PASS
Band4	1312	4	22.43	19.61	30.00	PASS
Band4	1413	1	23.21	20.39	30.00	PASS
Band4	1413	2	22.61	19.79	30.00	PASS
Band4	1413	3	22.62	19.8	30.00	PASS
Band4	1413	4	22.52	19.7	30.00	PASS
Band4	1513	1	23.24	20.42	30.00	PASS
Band4	1513	2	22.65	19.83	30.00	PASS
Band4	1513	3	22.62	19.8	30.00	PASS
Band4	1513	4	22.48	19.66	30.00	PASS
Band5	4132	1	23.23	15.91	38.5	PASS
Band5	4132	2	22.66	15.34	38.5	PASS
Band5	4132	3	22.68	15.36	38.5	PASS
Band5	4132	4	22.66	15.34	38.5	PASS
Band5	4183	1	23.43	16.11	38.5	PASS
Band5	4183	2	22.88	15.56	38.5	PASS
Band5	4183	3	22.89	15.57	38.5	PASS
Band5	4183	4	22.88	15.56	38.5	PASS
Band5	4233	1	23.32	16	38.5	PASS
Band5	4233	2	22.76	15.44	38.5	PASS
Band5	4233	3	22.81	15.49	38.5	PASS
Band5	4233	4	22.77	15.45	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.01	17.8	33.01	PASS
Band2	9262	2	21.49	18.28	33.01	PASS
Band2	9262	3	22.02	18.81	33.01	PASS
Band2	9262	4	21.03	17.82	33.01	PASS
Band2	9262	5	23.01	19.8	33.01	PASS
Band2	9400	1	21.26	18.05	33.01	PASS
Band2	9400	2	21.76	18.55	33.01	PASS
Band2	9400	3	22.26	19.05	33.01	PASS
Band2	9400	4	21.29	18.08	33.01	PASS
Band2	9400	5	23.33	20.12	33.01	PASS
Band2	9538	1	21.45	18.24	33.01	PASS
Band2	9538	2	21.89	18.68	33.01	PASS
Band2	9538	3	22.39	19.18	33.01	PASS

Band2	9538	4	21.40	18.19	33.01	PASS
Band2	9538	5	23.45	20.24	33.01	PASS
Band4	1312	1	21.06	18.24	30.00	PASS
Band4	1312	2	21.53	18.71	30.00	PASS
Band4	1312	3	22.07	19.25	30.00	PASS
Band4	1312	4	21.06	18.24	30.00	PASS
Band4	1312	5	23.04	20.22	30.00	PASS
Band4	1413	1	21.13	18.31	30.00	PASS
Band4	1413	2	21.61	18.79	30.00	PASS
Band4	1413	3	22.14	19.32	30.00	PASS
Band4	1413	4	21.15	18.33	30.00	PASS
Band4	1413	5	23.12	20.3	30.00	PASS
Band4	1513	1	21.03	18.21	30.00	PASS
Band4	1513	2	21.58	18.76	30.00	PASS
Band4	1513	3	22.06	19.24	30.00	PASS
Band4	1513	4	21.09	18.27	30.00	PASS
Band4	1513	5	23.04	20.22	30.00	PASS
Band5	4132	1	21.24	13.92	38.5	PASS
Band5	4132	2	21.74	14.42	38.5	PASS
Band5	4132	3	22.25	14.93	38.5	PASS
Band5	4132	4	21.26	13.94	38.5	PASS
Band5	4132	5	23.23	15.91	38.5	PASS
Band5	4183	1	21.43	14.11	38.5	PASS
Band5	4183	2	21.91	14.59	38.5	PASS
Band5	4183	3	22.45	15.13	38.5	PASS
Band5	4183	4	21.44	14.12	38.5	PASS
Band5	4183	5	23.41	16.09	38.5	PASS
Band5	4233	1	21.34	14.02	38.5	PASS
Band5	4233	2	21.83	14.51	38.5	PASS
Band5	4233	3	22.32	15	38.5	PASS
Band5	4233	4	21.37	14.05	38.5	PASS
Band5	4233	5	23.32	16	38.5	PASS

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

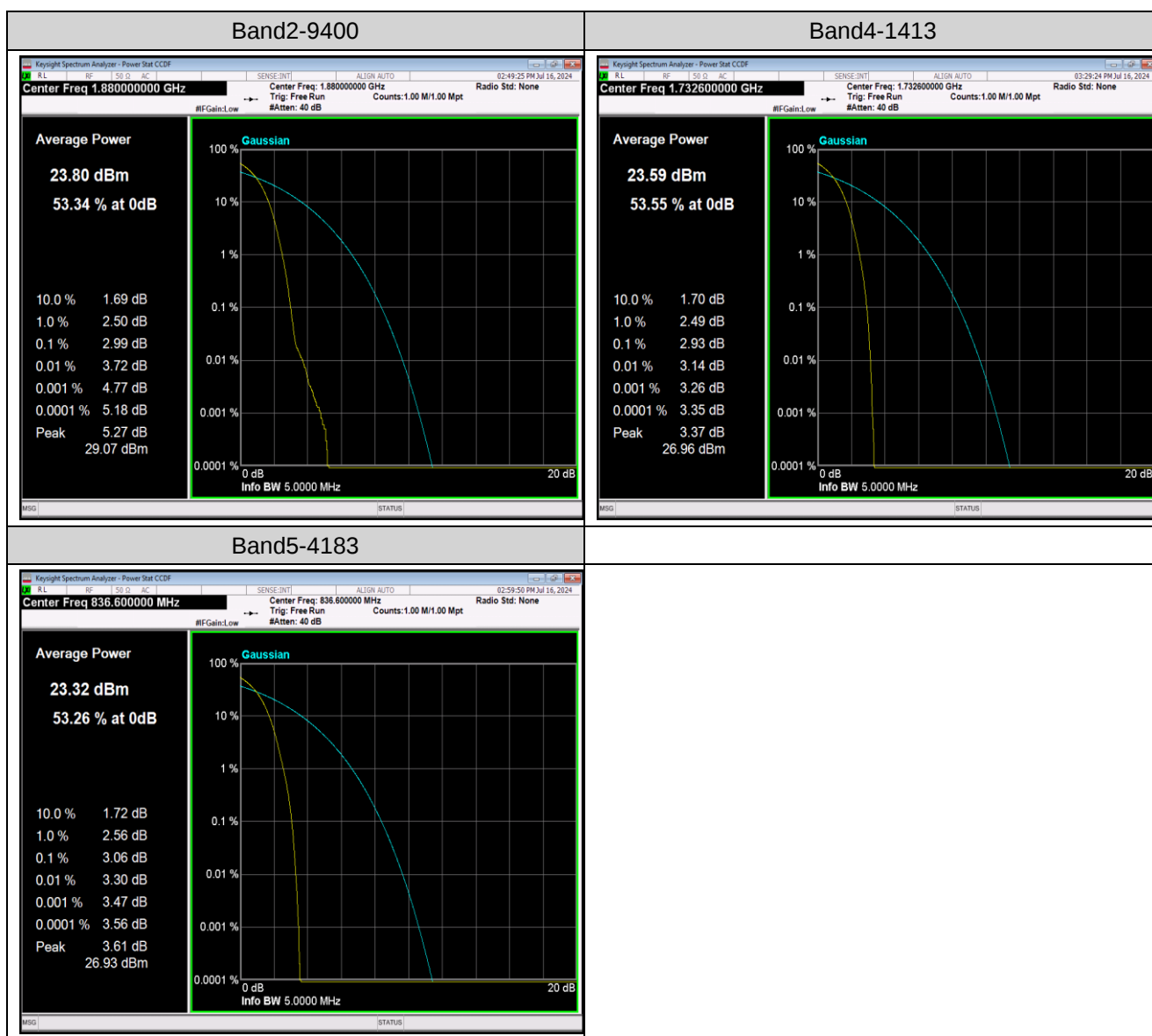
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.99	13	PASS
Band4	1413	2.93	13	PASS
Band5	4183	3.06	13	PASS

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

Test Graphs(WCDMA)

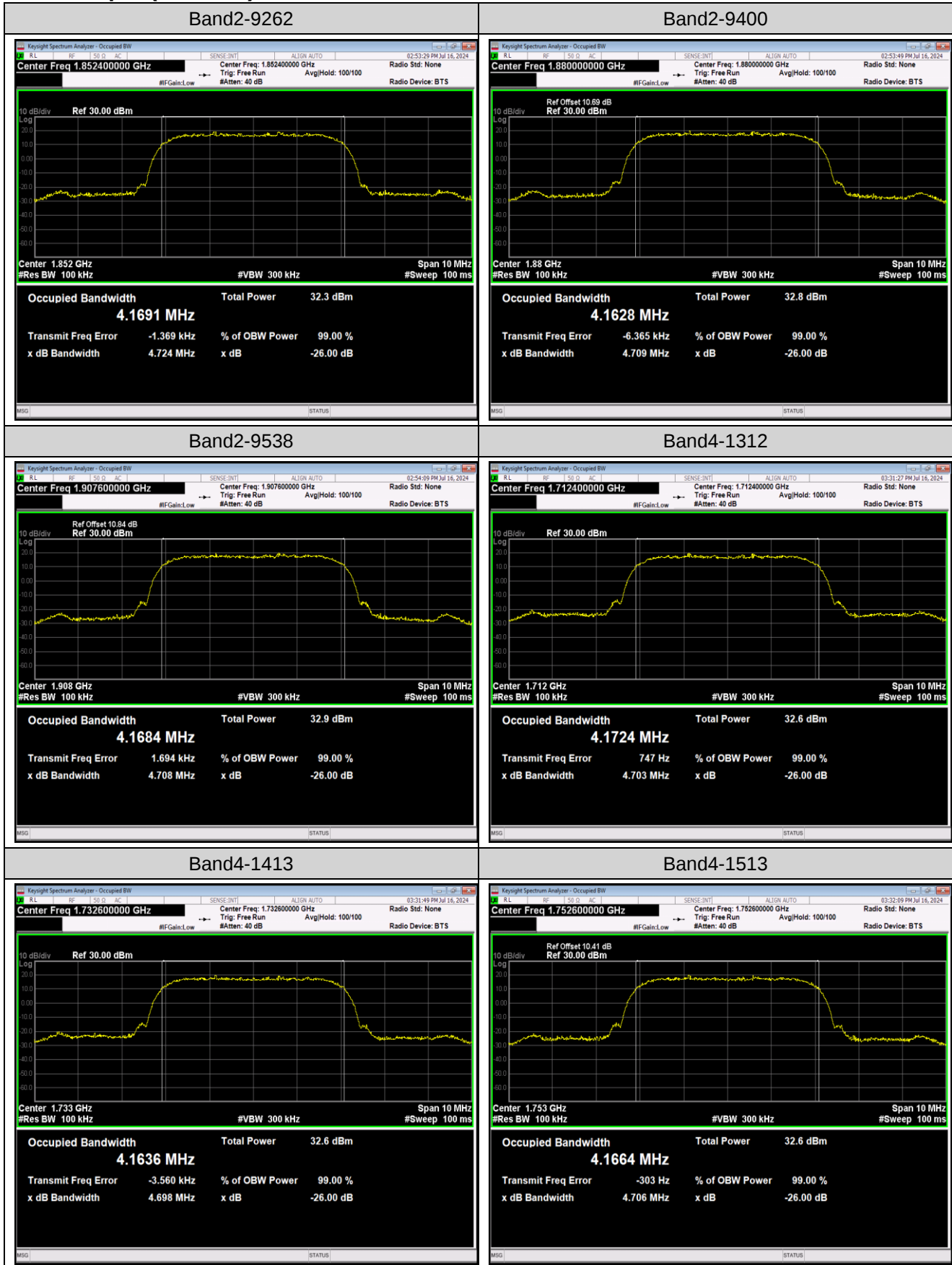


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1691	4.724	---	PASS
Band2	9400	4.1628	4.709	---	PASS
Band2	9538	4.1684	4.708	---	PASS
Band4	1312	4.1724	4.703	---	PASS
Band4	1413	4.1636	4.698	---	PASS
Band4	1513	4.1664	4.706	---	PASS
Band5	4132	4.1574	4.702	---	PASS
Band5	4183	4.1690	4.695	---	PASS
Band5	4233	4.1717	4.694	---	PASS

Test Graphs(WCDMA)





AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.08	-13	PASS
Band2	9538	1910.00	-19.34	-13	PASS
Band4	1312	1710.00	-21.94	-13	PASS
Band4	1513	1755.00	-21.94	-13	PASS
Band5	4132	824.00	-19.81	-13	PASS
Band5	4233	849.00	-20.77	-13	PASS

Test Graphs(WCDMA)



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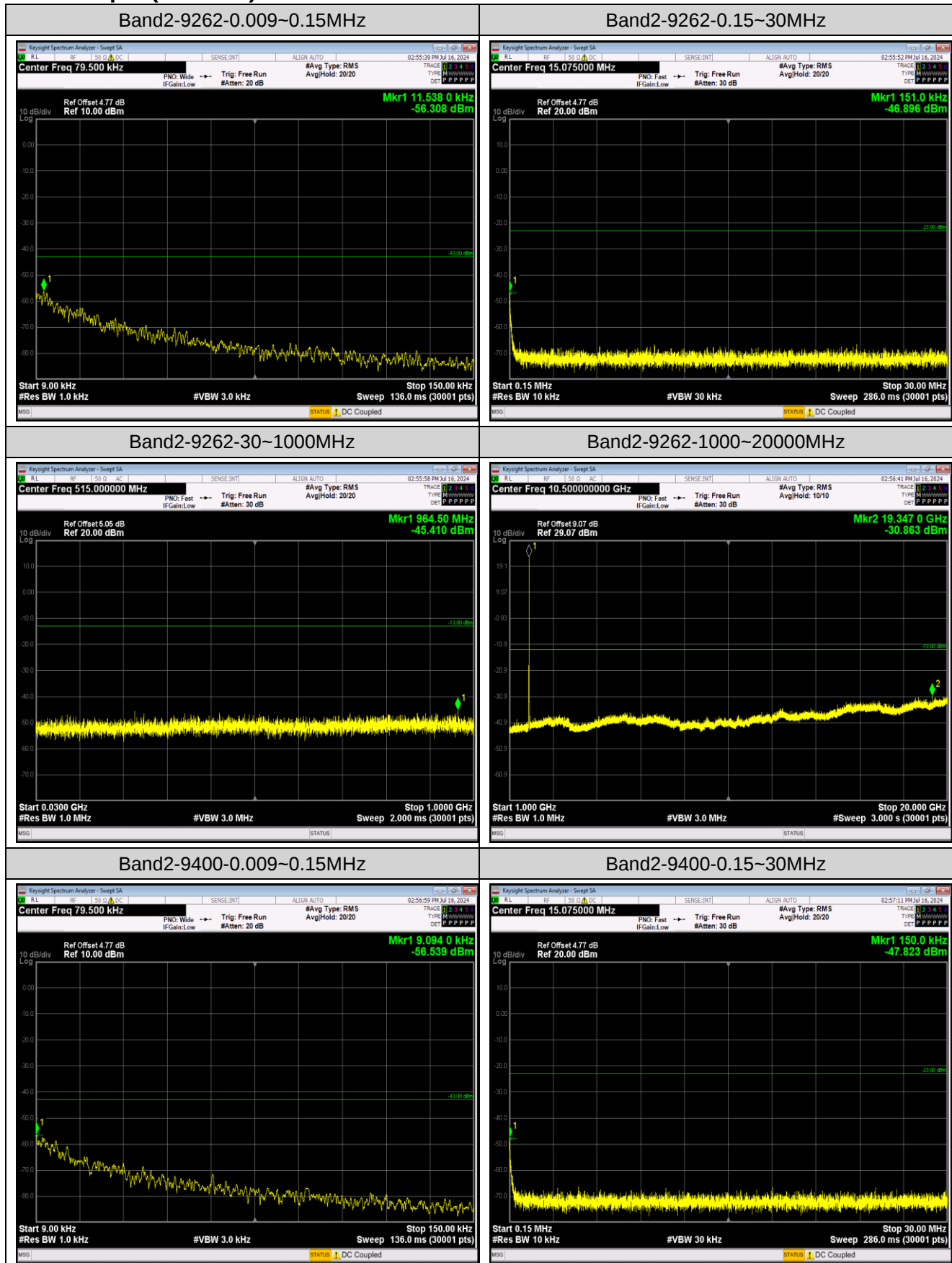
Project No.: JYTSZR2406044

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	-56.31	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.9	-23	PASS
Band2	9262	30~1000MHz	964.5	-45.41	-13	PASS
Band2	9262	1000~20000MHz	19347.03	-30.86	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.54	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.82	-23	PASS
Band2	9400	30~1000MHz	847.81	-45.14	-13	PASS
Band2	9400	1000~20000MHz	19988.6	-30.91	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.78	-43	PASS
Band2	9538	0.15~30MHz	0.15	-46.06	-23	PASS
Band2	9538	30~1000MHz	650.83	-44.81	-13	PASS
Band2	9538	1000~20000MHz	19998.1	-30.44	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.16	-43	PASS
Band4	1312	0.15~30MHz	0.16	-46.39	-23	PASS
Band4	1312	30~1000MHz	696.07	-45.15	-13	PASS
Band4	1312	1000~20000MHz	19943	-30.97	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.02	-43	PASS
Band4	1413	0.15~30MHz	0.15	-45.84	-23	PASS
Band4	1413	30~1000MHz	974.91	-44.74	-13	PASS
Band4	1413	1000~20000MHz	19965.8	-30.33	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.81	-43	PASS
Band4	1513	0.15~30MHz	0.16	-46.94	-23	PASS
Band4	1513	30~1000MHz	881.27	-44.92	-13	PASS
Band4	1513	1000~20000MHz	19858.13	-30.09	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.28	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.53	-13	PASS
Band5	4132	30~1000MHz	716.18	-54.82	-13	PASS
Band5	4132	1000~10000MHz	5873.5	-36.53	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.85	-33	PASS
Band5	4183	0.15~30MHz	0.16	-49.19	-13	PASS
Band5	4183	30~1000MHz	972.71	-55.05	-13	PASS
Band5	4183	1000~10000MHz	7344.7	-36.56	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.41	-33	PASS
Band5	4233	0.15~30MHz	0.16	-48.48	-13	PASS
Band5	4233	30~1000MHz	595.57	-53.52	-13	PASS
Band5	4233	1000~10000MHz	7083.4	-36.26	-13	PASS

Test Graphs(WCDMA)

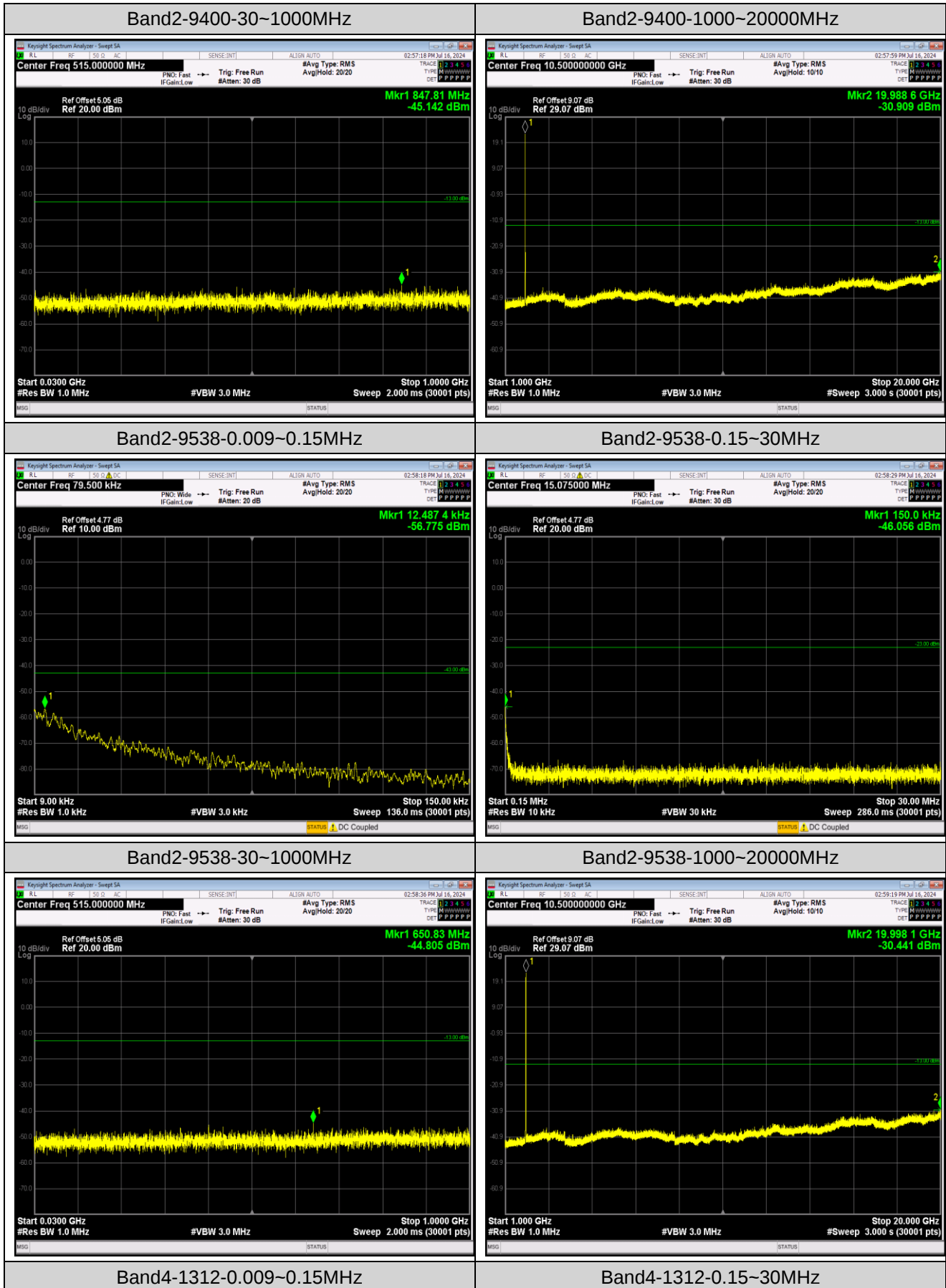


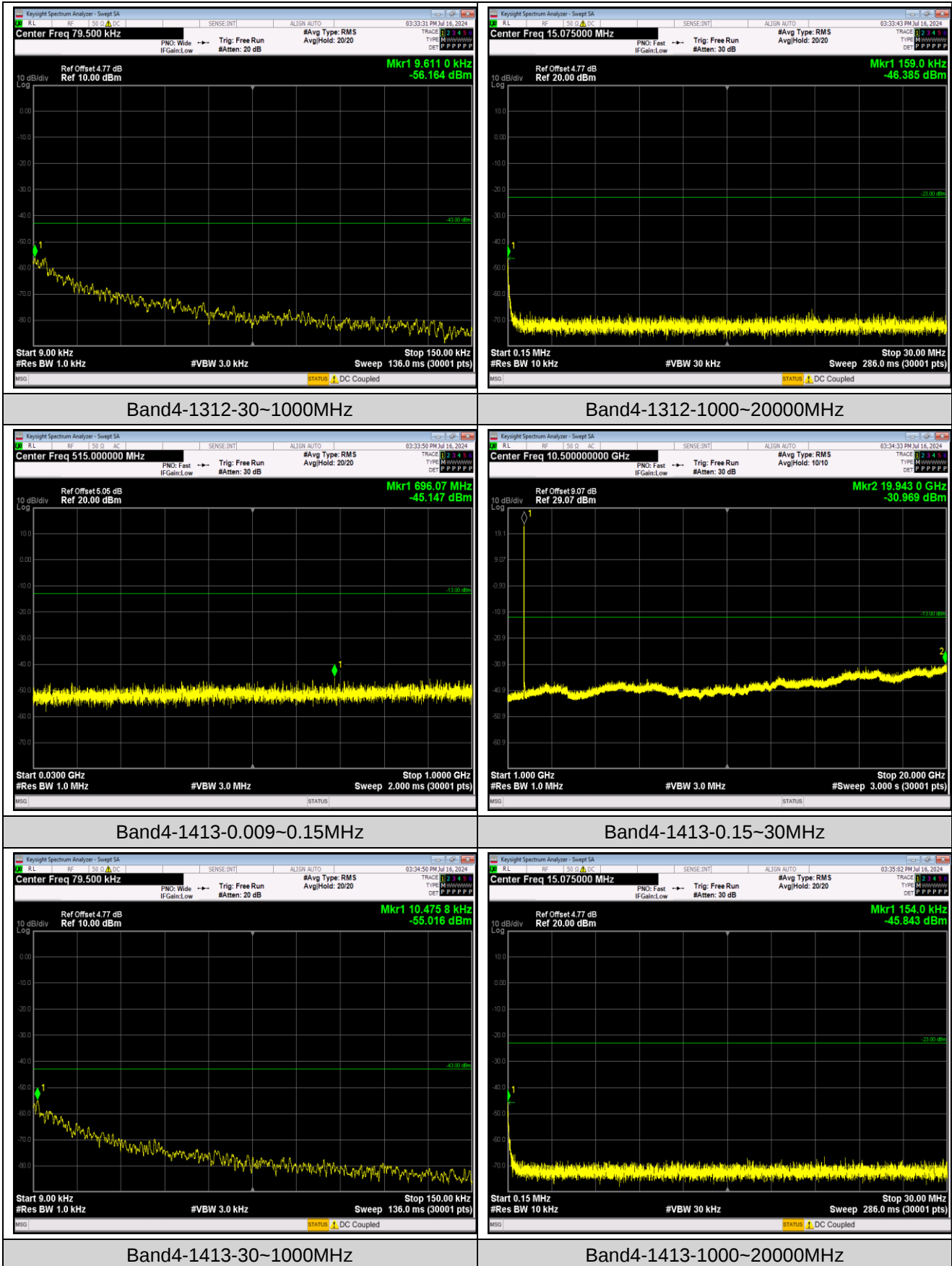
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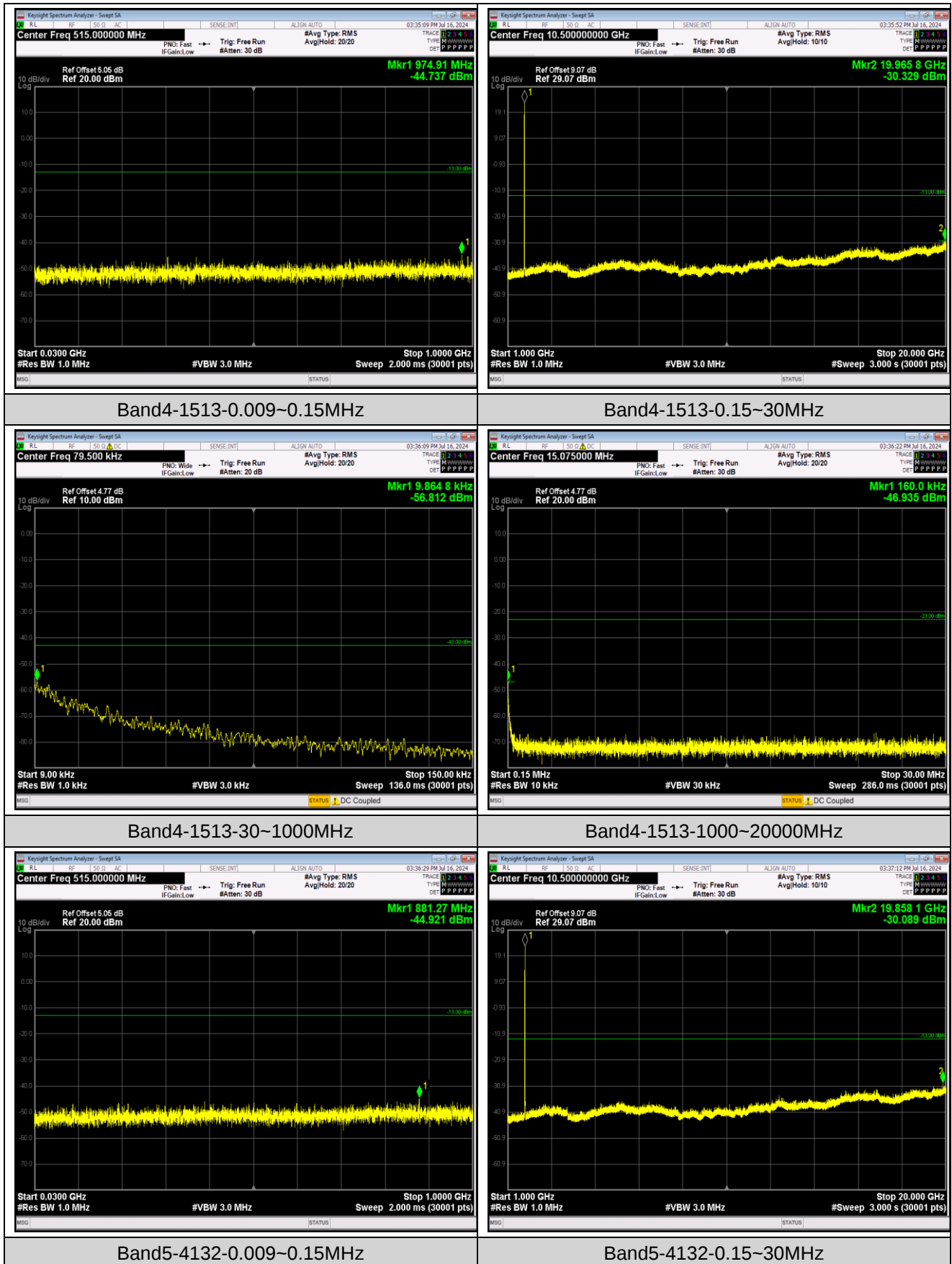
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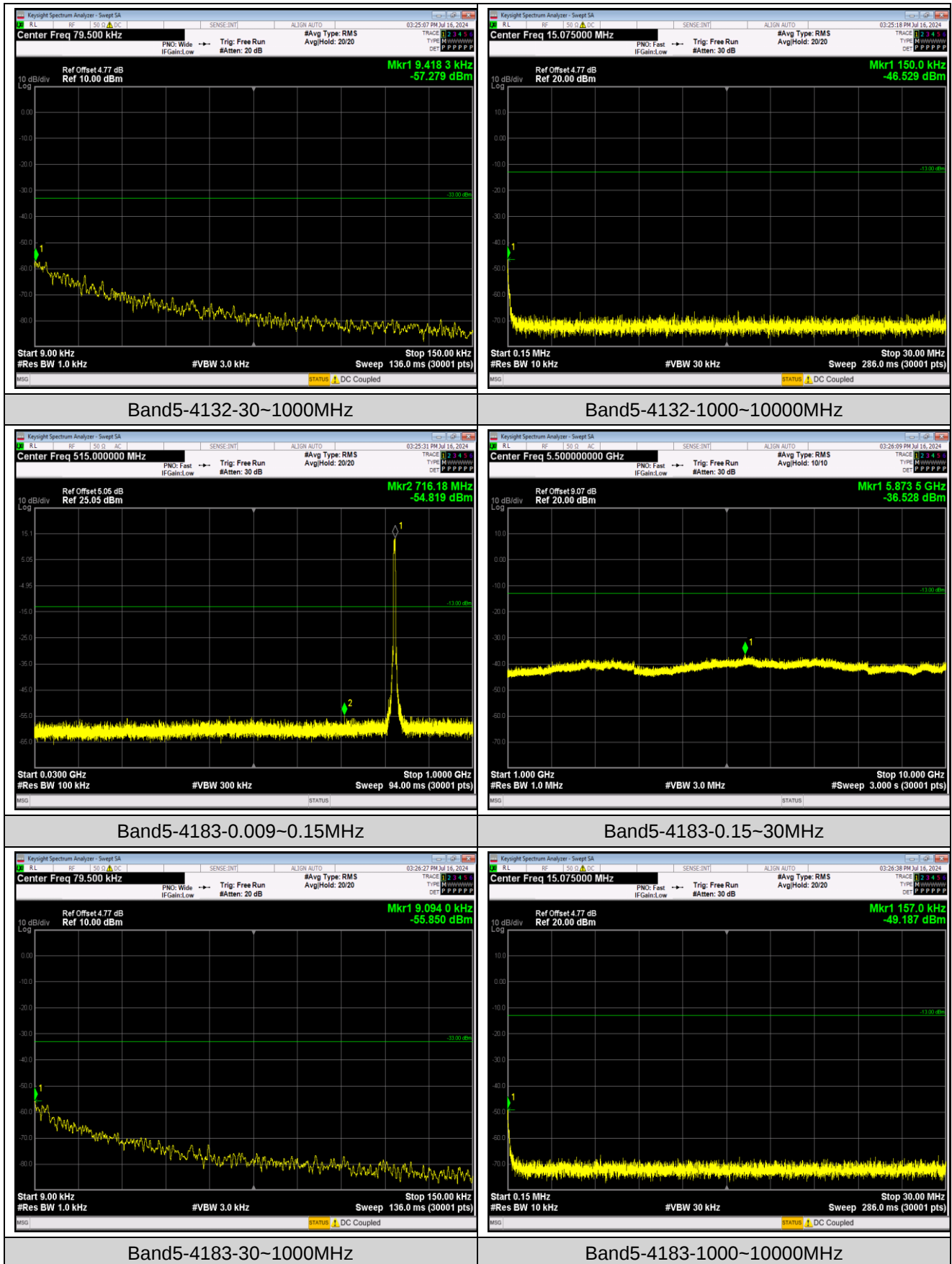
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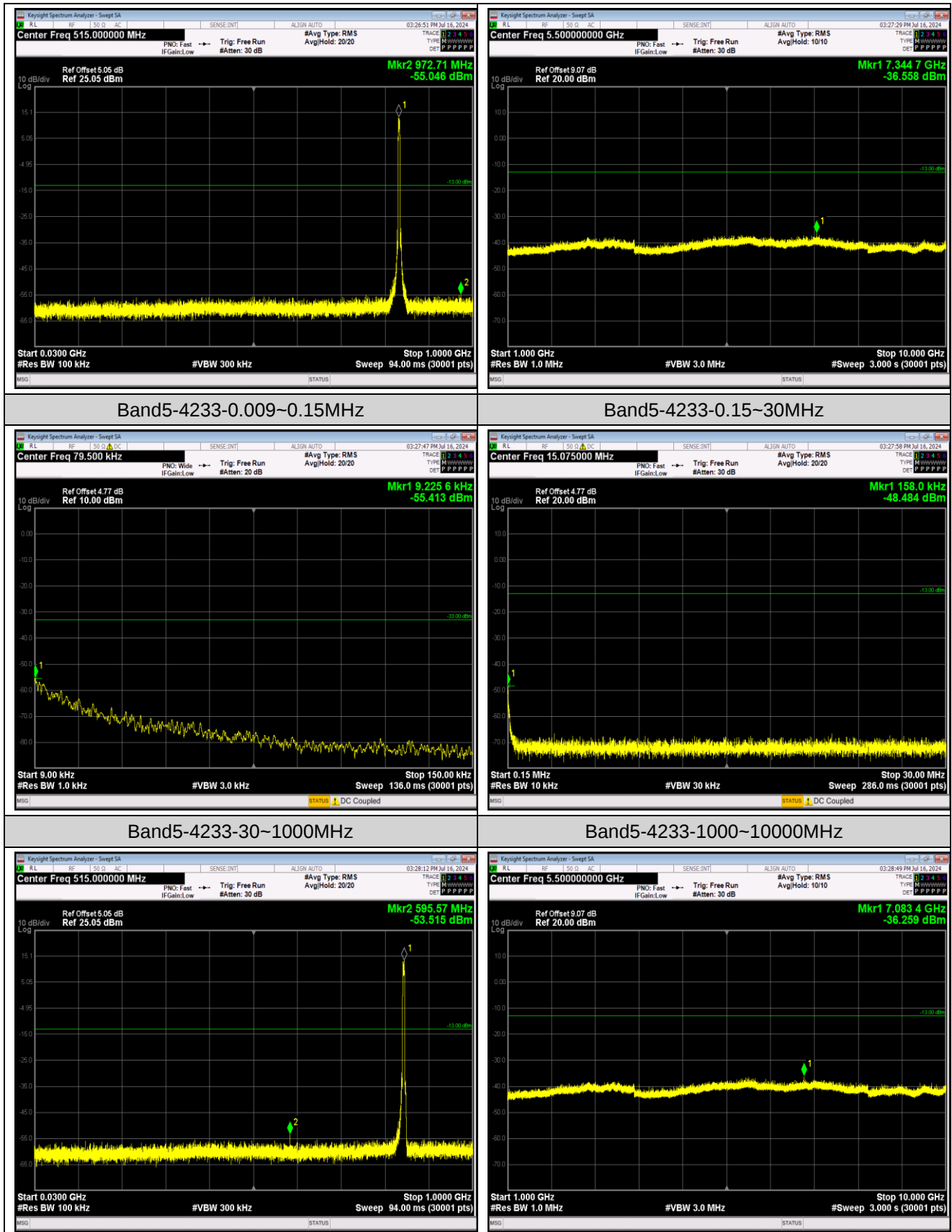
Project No.: JYTSZR2406044











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		
3.87	-30	-10.72	-0.012814	±2.5	Pass
	-20	-8.90	-0.010638		
	-10	-5.92	-0.007076		
	0	-7.45	-0.008905		
	10	-9.11	-0.010889		
	20	-10.31	-0.012324		
	30	-8.88	-0.010614		
	40	-7.01	-0.008379		
	50	-5.36	-0.006407		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-9.29	-0.011104	±2.5	Pass
	3.87	-14.62	-0.017475		
	4.45	-4.24	-0.005068		
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		
3.87	-30	-12.33	-0.007116	Within authorized band for BAND IV	Pass
	-20	-11.64	-0.006718		
	-10	-13.62	-0.007861		
	0	-14.51	-0.008375		
	10	-11.57	-0.006678		
	20	-13.83	-0.007982		
	30	-12.54	-0.007238		
	40	-12.27	-0.007082		
	50	-9.24	-0.005333		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-10.84	-0.006256	Within authorized band for BAND IV	Pass
	3.87	-12.83	-0.007405		
	4.45	-14.83	-0.008559		
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		
3.87	-30	-12.64	-0.006723	Within authorized band for BAND II	Pass
	-20	-13.15	-0.006995		
	-10	-11.50	-0.006117		
	0	-10.26	-0.005457		
	10	-11.52	-0.006128		
	20	-13.78	-0.007330		
	30	-10.36	-0.005511		
	40	-11.62	-0.006181		
	50	-13.17	-0.007005		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.40	-12.43	-0.006612	Within authorized band for BAND II	Pass
	3.87	-14.16	-0.007532		
	4.45	-12.18	-0.006479		
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

