

Appendix A: 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	21.89	23.43	33.01	PASS
Band2	TestMode	9262	21.99	23.53	33.01	PASS
Band2	TestMode	9400	22.18	23.72	33.01	PASS
Band2	Voice	9400	22.07	23.61	33.01	PASS
Band2	TestMode	9538	22.17	23.71	33.01	PASS
Band2	Voice	9538	22.16	23.7	33.01	PASS
Band4	Voice	1312	22.12	23.74	30.00	PASS
Band4	TestMode	1312	22.15	23.77	30.00	PASS
Band4	Voice	1413	22.24	23.86	30.00	PASS
Band4	TestMode	1413	22.26	23.88	30.00	PASS
Band4	TestMode	1513	22.35	23.97	30.00	PASS
Band4	Voice	1513	22.27	23.89	30.00	PASS
Band5	Voice	4132	22.46	17.86	38.45	PASS
Band5	TestMode	4132	22.48	17.88	38.45	PASS
Band5	TestMode	4183	22.64	18.04	38.45	PASS
Band5	Voice	4183	22.62	18.02	38.45	PASS
Band5	Voice	4233	22.55	17.95	38.45	PASS
Band5	TestMode	4233	22.52	17.92	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.04	23.58	33.01	PASS
Band2	9262	2	21.61	23.15	33.01	PASS
Band2	9262	3	21.41	22.95	33.01	PASS
Band2	9262	4	21.46	23	33.01	PASS
Band2	9400	1	21.38	22.92	33.01	PASS
Band2	9400	2	21.28	22.82	33.01	PASS
Band2	9400	3	20.94	22.48	33.01	PASS
Band2	9400	4	20.95	22.49	33.01	PASS
Band2	9538	1	21.46	23	33.01	PASS
Band2	9538	2	21.17	22.71	33.01	PASS
Band2	9538	3	20.88	22.42	33.01	PASS
Band2	9538	4	20.92	22.46	33.01	PASS

Band4	1312	1	20.24	21.86	30.00	PASS
Band4	1312	2	20.81	22.43	30.00	PASS
Band4	1312	3	20.73	22.35	30.00	PASS
Band4	1312	4	20.73	22.35	30.00	PASS
Band4	1413	1	20.16	21.78	30.00	PASS
Band4	1413	2	20.88	22.5	30.00	PASS
Band4	1413	3	20.77	22.39	30.00	PASS
Band4	1413	4	20.90	22.52	30.00	PASS
Band4	1513	1	20.22	21.84	30.00	PASS
Band4	1513	2	20.75	22.37	30.00	PASS
Band4	1513	3	20.81	22.43	30.00	PASS
Band4	1513	4	20.85	22.47	30.00	PASS
Band5	4132	1	21.48	16.88	38.45	PASS
Band5	4132	2	21.25	16.65	38.45	PASS
Band5	4132	3	20.88	16.28	38.45	PASS
Band5	4132	4	20.85	16.25	38.45	PASS
Band5	4183	1	21.39	16.79	38.45	PASS
Band5	4183	2	21.14	16.54	38.45	PASS
Band5	4183	3	20.75	16.15	38.45	PASS
Band5	4183	4	20.76	16.16	38.45	PASS
Band5	4233	1	21.06	16.46	38.45	PASS
Band5	4233	2	20.81	16.21	38.45	PASS
Band5	4233	3	20.43	15.83	38.45	PASS
Band5	4233	4	20.40	15.8	38.45	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.65	21.19	33.01	PASS
Band2	9262	2	20.11	21.65	33.01	PASS
Band2	9262	3	20.13	21.67	33.01	PASS
Band2	9262	4	20.36	21.9	33.01	PASS
Band2	9262	5	22.02	23.56	33.01	PASS
Band2	9400	1	19.24	20.78	33.01	PASS
Band2	9400	2	19.72	21.26	33.01	PASS
Band2	9400	3	19.45	20.99	33.01	PASS
Band2	9400	4	19.78	21.32	33.01	PASS
Band2	9400	5	21.52	23.06	33.01	PASS
Band2	9538	1	19.38	20.92	33.01	PASS
Band2	9538	2	19.69	21.23	33.01	PASS
Band2	9538	3	19.45	20.99	33.01	PASS

Band2	9538	4	19.83	21.37	33.01	PASS
Band2	9538	5	21.47	23.01	33.01	PASS
Band4	1312	1	19.05	20.67	30.00	PASS
Band4	1312	2	18.85	20.47	30.00	PASS
Band4	1312	3	18.96	20.58	30.00	PASS
Band4	1312	4	18.69	20.31	30.00	PASS
Band4	1312	5	20.70	22.32	30.00	PASS
Band4	1413	1	19.15	20.77	30.00	PASS
Band4	1413	2	18.85	20.47	30.00	PASS
Band4	1413	3	19.04	20.66	30.00	PASS
Band4	1413	4	19.10	20.72	30.00	PASS
Band4	1413	5	20.69	22.31	30.00	PASS
Band4	1513	1	19.40	21.02	30.00	PASS
Band4	1513	2	19.17	20.79	30.00	PASS
Band4	1513	3	19.27	20.89	30.00	PASS
Band4	1513	4	19.01	20.63	30.00	PASS
Band4	1513	5	20.80	22.42	30.00	PASS
Band5	4132	1	19.95	15.35	38.45	PASS
Band5	4132	2	20.31	15.71	38.45	PASS
Band5	4132	3	19.83	15.23	38.45	PASS
Band5	4132	4	19.86	15.26	38.45	PASS
Band5	4132	5	21.36	16.76	38.45	PASS
Band5	4183	1	20.12	15.52	38.45	PASS
Band5	4183	2	20.24	15.64	38.45	PASS
Band5	4183	3	20.01	15.41	38.45	PASS
Band5	4183	4	19.84	15.24	38.45	PASS
Band5	4183	5	21.34	16.74	38.45	PASS
Band5	4233	1	19.74	15.14	38.45	PASS
Band5	4233	2	19.93	15.33	38.45	PASS
Band5	4233	3	19.65	15.05	38.45	PASS
Band5	4233	4	19.48	14.88	38.45	PASS
Band5	4233	5	20.88	16.28	38.45	PASS

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

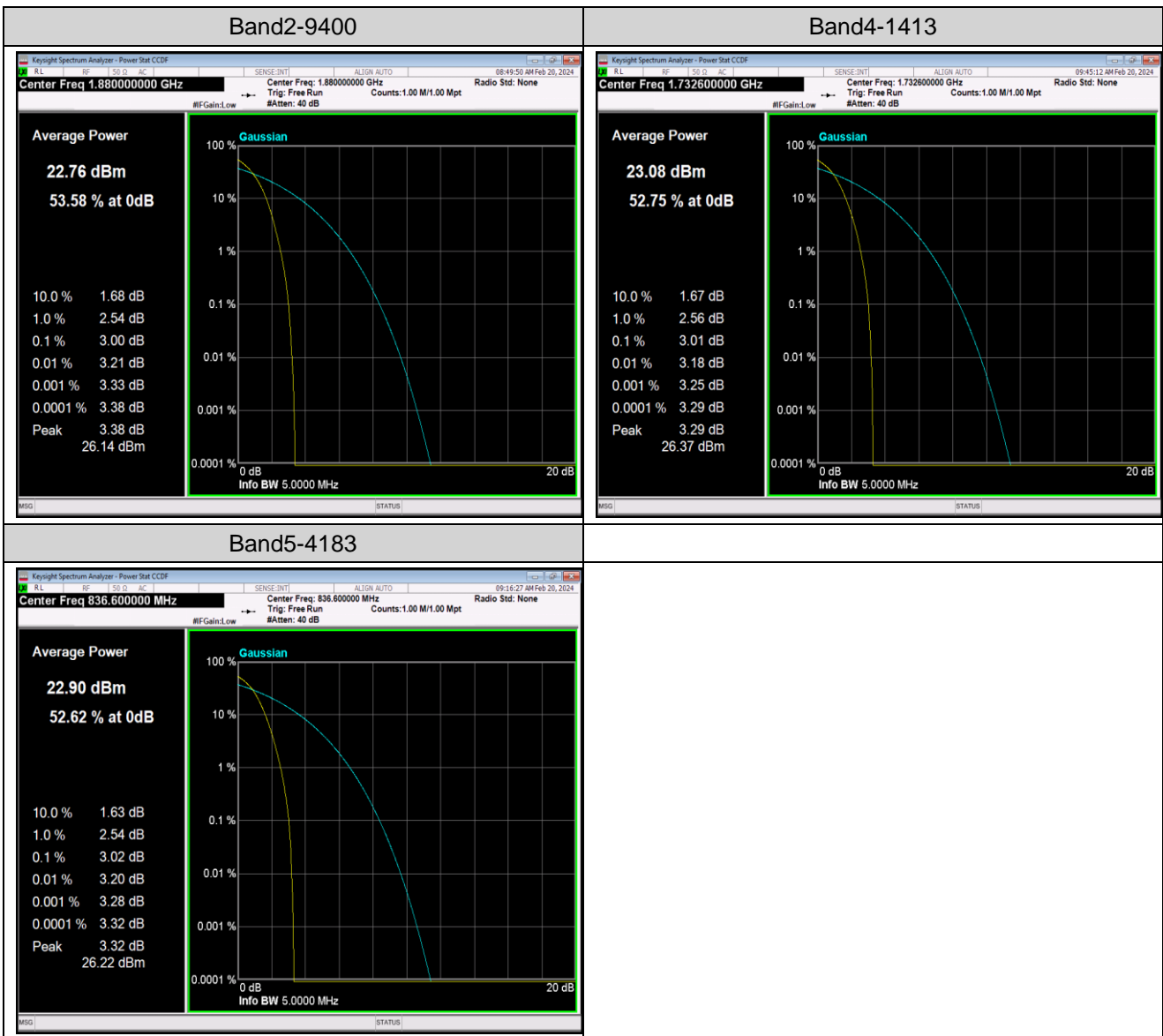
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3	13	PASS
Band4	1413	3.01	13	PASS
Band5	4183	3.02	13	PASS

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

Test Graphs(WCDMA)

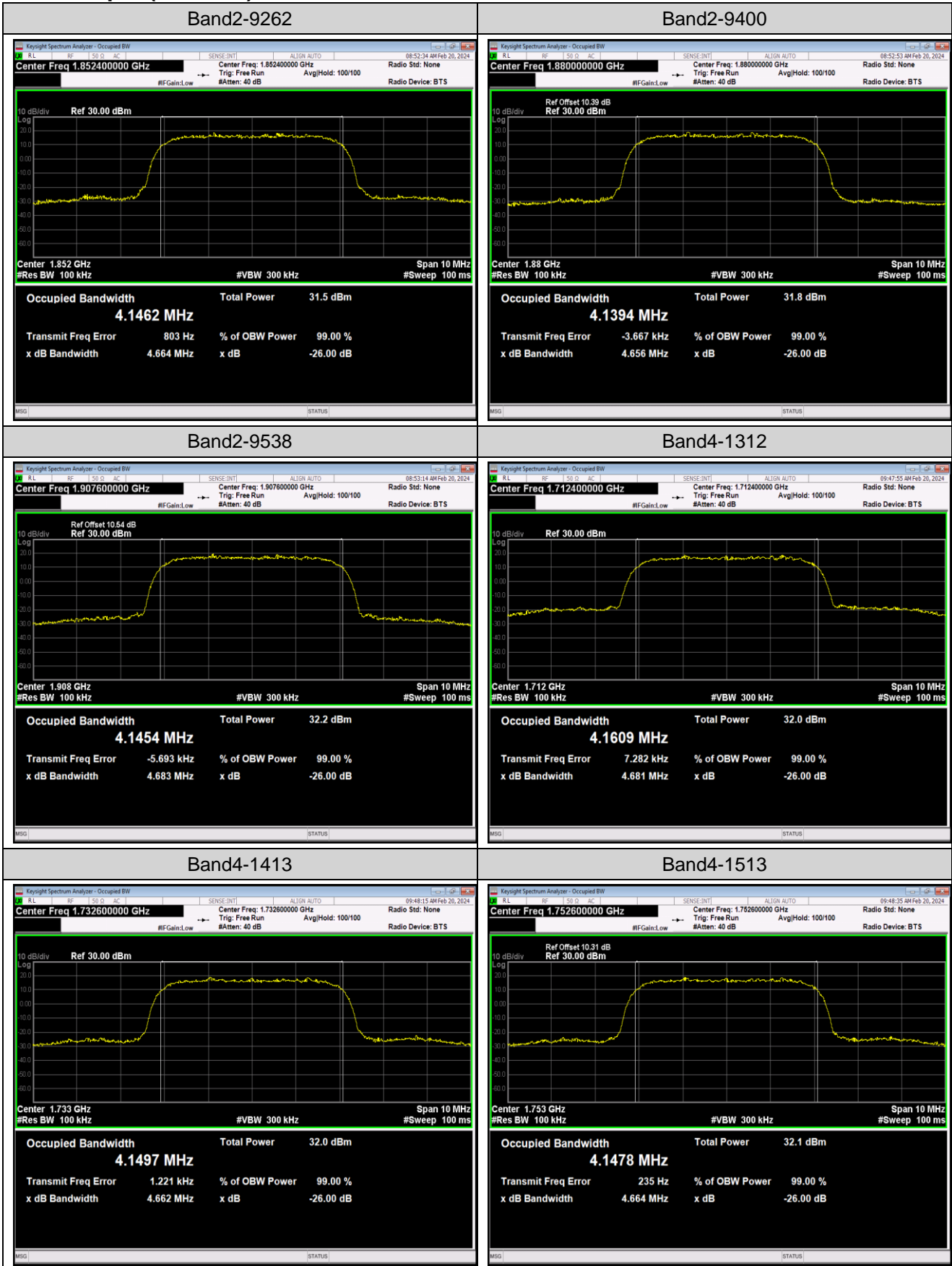


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1462	4.664	---	PASS
Band2	9400	4.1394	4.656	---	PASS
Band2	9538	4.1454	4.683	---	PASS
Band4	1312	4.1609	4.681	---	PASS
Band4	1413	4.1497	4.662	---	PASS
Band4	1513	4.1478	4.664	---	PASS
Band5	4132	4.1552	4.674	---	PASS
Band5	4183	4.1501	4.659	---	PASS
Band5	4233	4.1503	4.658	---	PASS

Test Graphs(WCDMA)



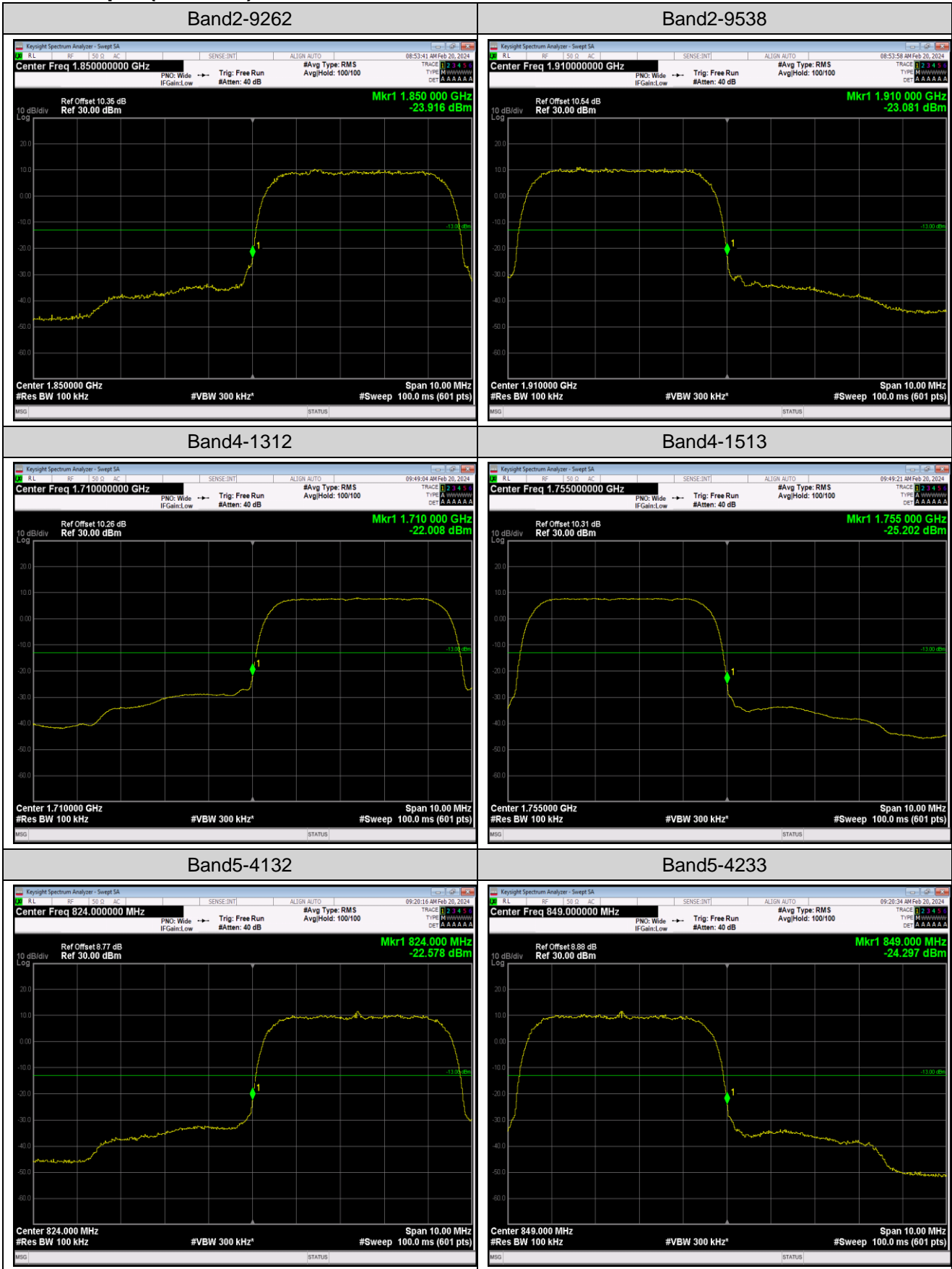


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.92	-13	PASS
Band2	9538	1910.00	-23.08	-13	PASS
Band4	1312	1710.00	-22.01	-13	PASS
Band4	1513	1755.00	-25.20	-13	PASS
Band5	4132	824.00	-22.58	-13	PASS
Band5	4233	849.00	-24.30	-13	PASS

Test Graphs(WCDMA)

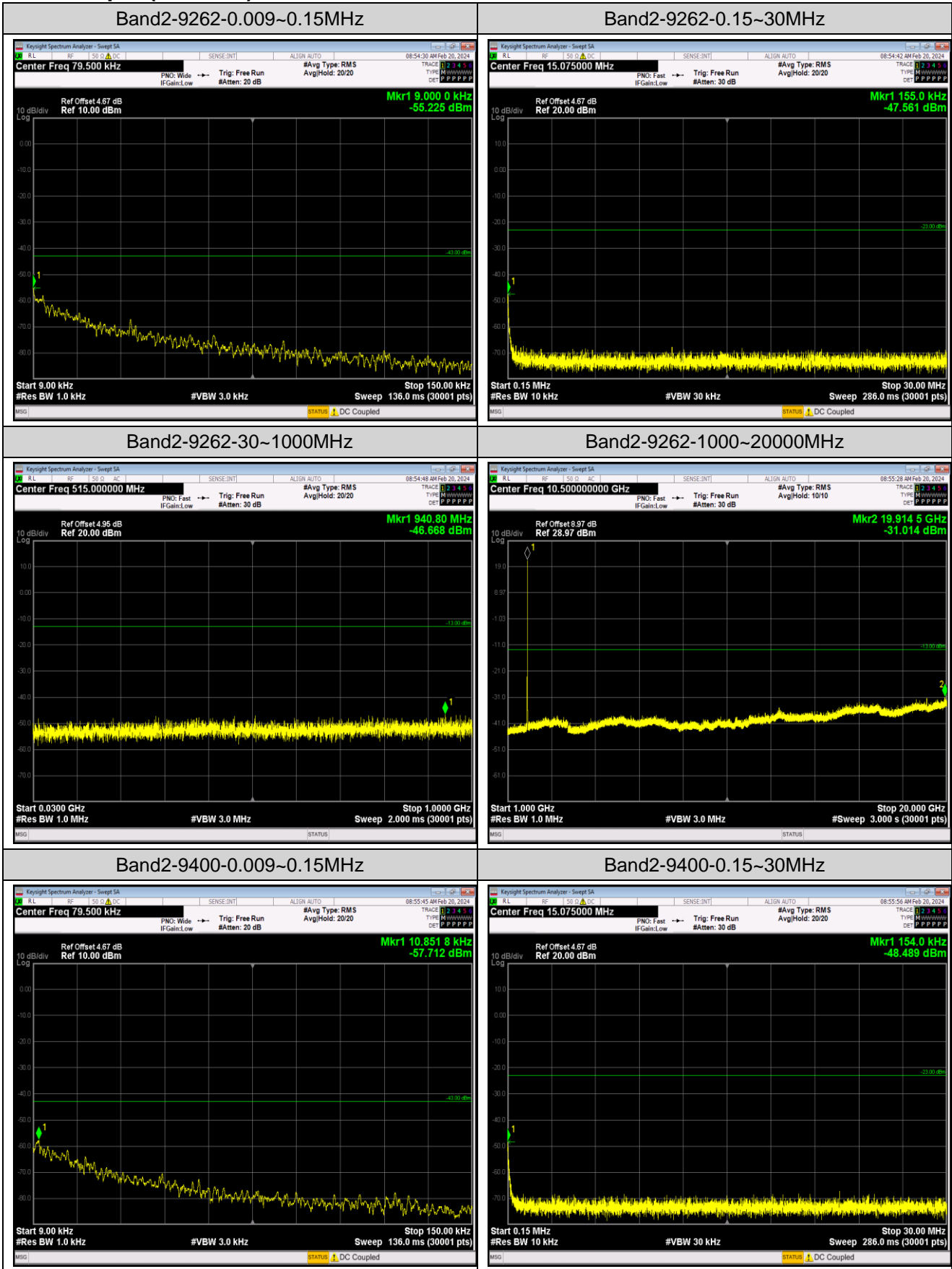


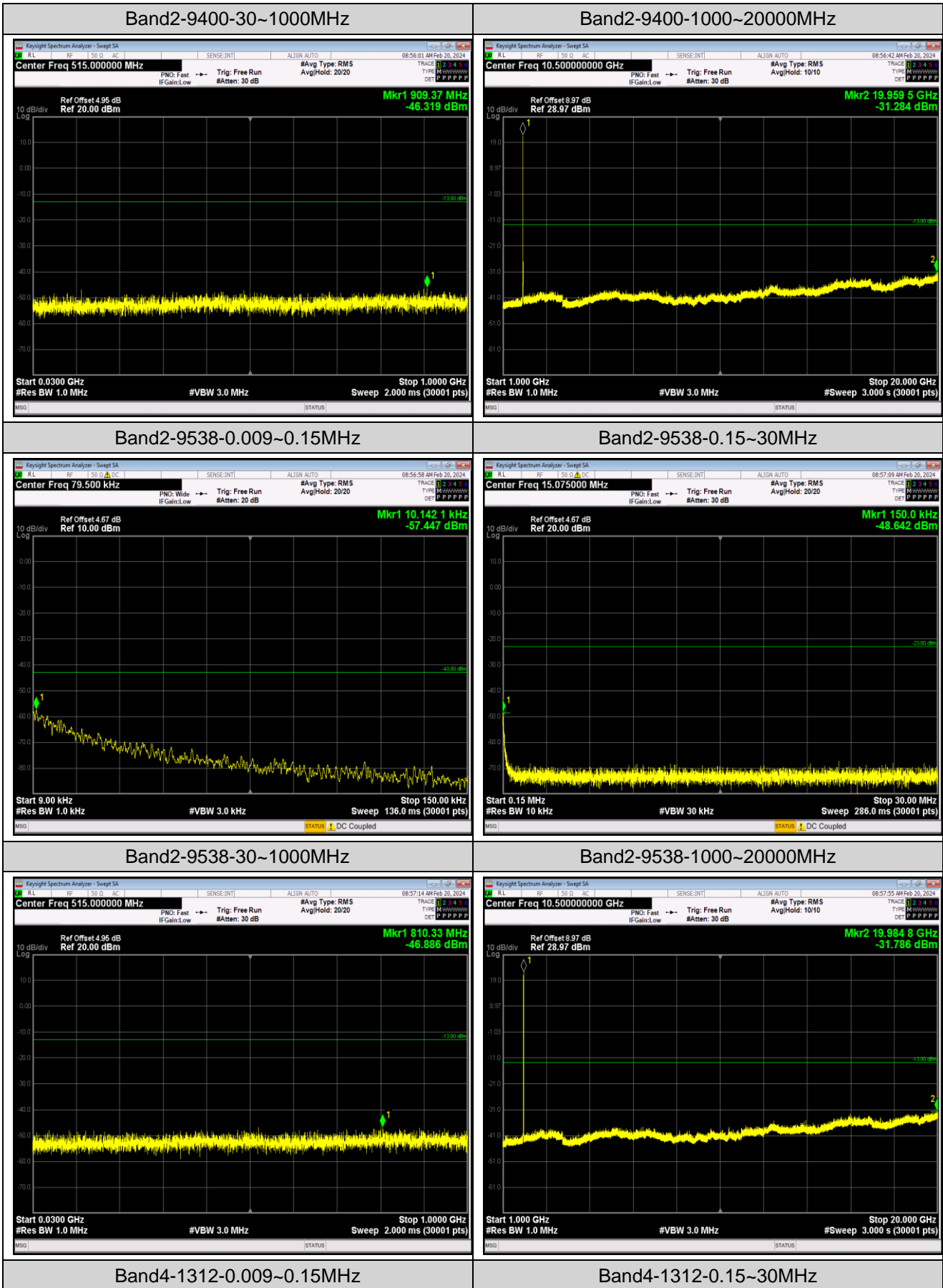
AppendixE:Conducted SpuriousEmission

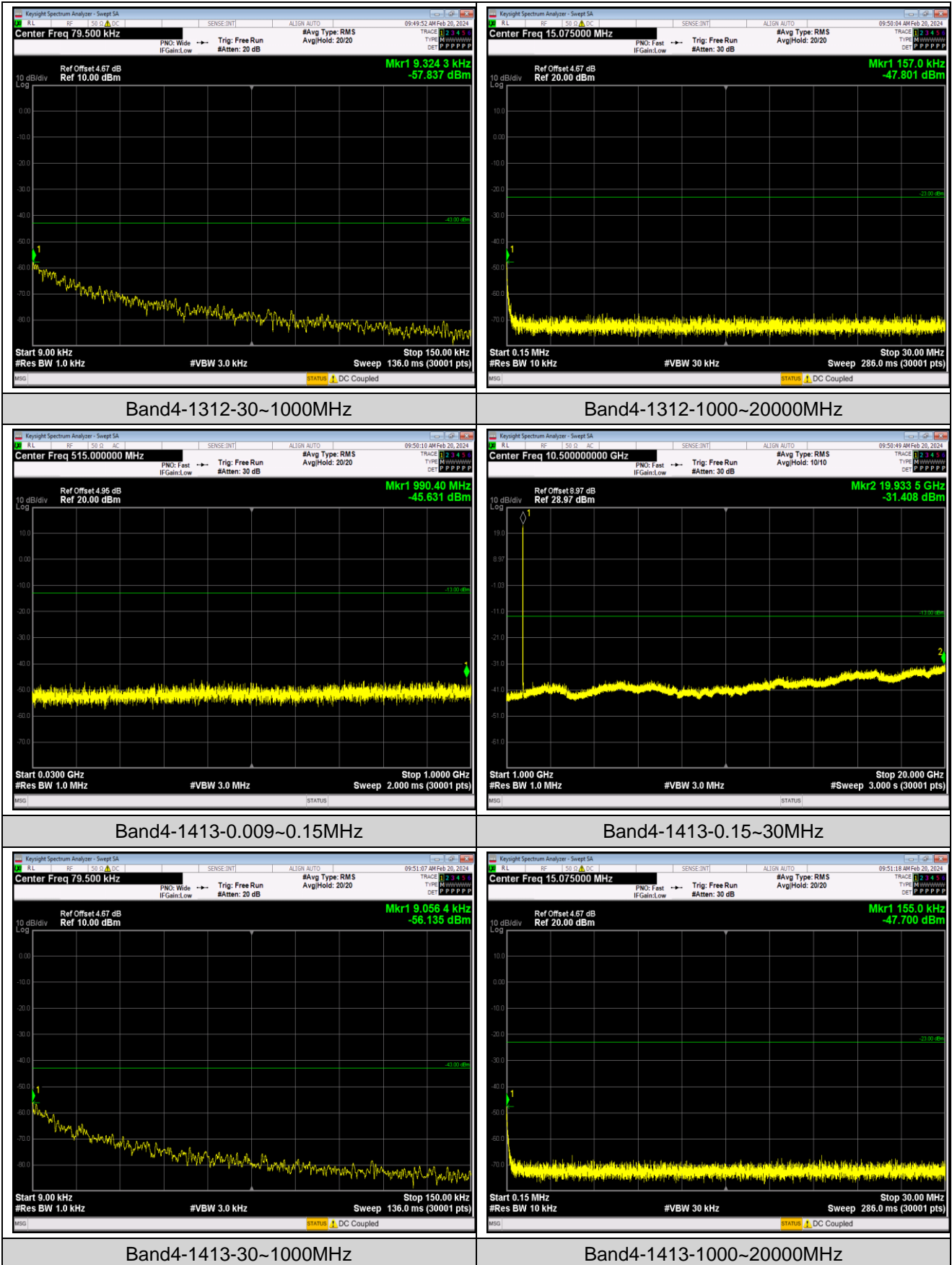
Test Result(WCDMA)

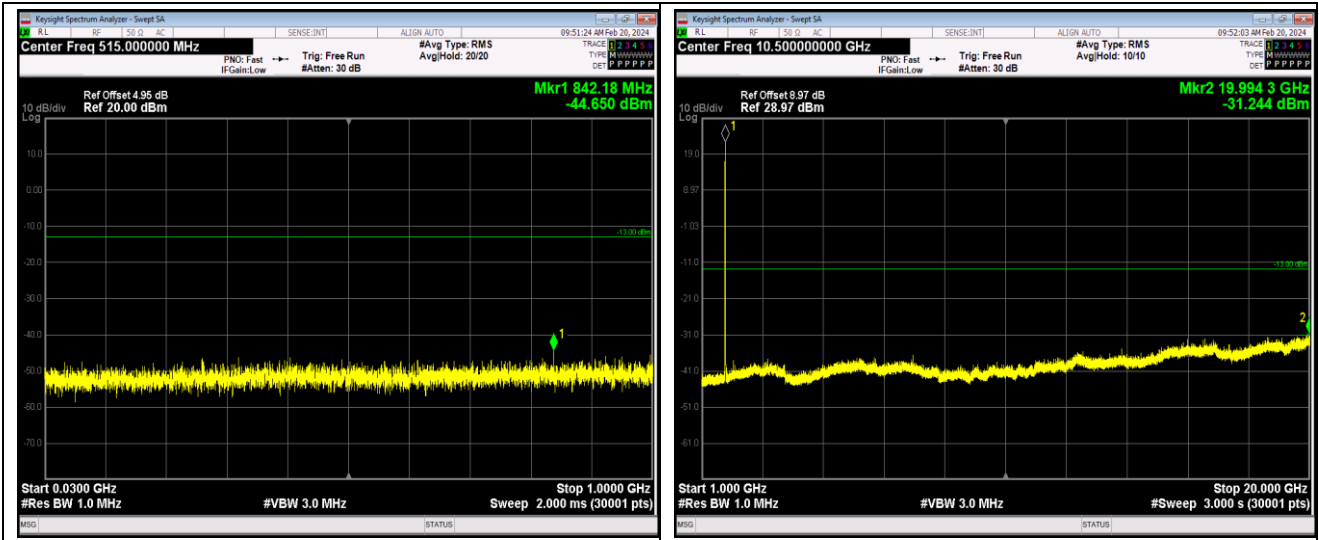
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.23	-43	PASS
Band2	9262	0.15~30MHz	0.15	-47.56	-23	PASS
Band2	9262	30~1000MHz	940.8	-46.67	-13	PASS
Band2	9262	1000~20000MHz	19914.5	-31.01	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.71	-43	PASS
Band2	9400	0.15~30MHz	0.15	-48.49	-23	PASS
Band2	9400	30~1000MHz	909.37	-46.32	-13	PASS
Band2	9400	1000~20000MHz	19959.47	-31.28	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-57.45	-43	PASS
Band2	9538	0.15~30MHz	0.15	-48.64	-23	PASS
Band2	9538	30~1000MHz	810.33	-46.89	-13	PASS
Band2	9538	1000~20000MHz	19984.8	-31.79	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-57.84	-43	PASS
Band4	1312	0.15~30MHz	0.16	-47.8	-23	PASS
Band4	1312	30~1000MHz	990.4	-45.63	-13	PASS
Band4	1312	1000~20000MHz	19933.5	-31.41	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.14	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.7	-23	PASS
Band4	1413	30~1000MHz	842.18	-44.65	-13	PASS
Band4	1413	1000~20000MHz	19994.3	-31.24	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.81	-43	PASS
Band4	1513	0.15~30MHz	0.15	-48.12	-23	PASS
Band4	1513	30~1000MHz	815.12	-45.01	-13	PASS
Band4	1513	1000~20000MHz	19936.67	-31.37	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.46	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.44	-13	PASS
Band5	4132	30~1000MHz	668.97	-55.27	-13	PASS
Band5	4132	1000~10000MHz	5800.9	-36.07	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.28	-33	PASS
Band5	4183	0.15~30MHz	0.15	-47.29	-13	PASS
Band5	4183	30~1000MHz	977.75	-54.04	-13	PASS
Band5	4183	1000~10000MHz	5907.7	-37.13	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.03	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.79	-13	PASS
Band5	4233	30~1000MHz	540.16	-54.83	-13	PASS
Band5	4233	1000~10000MHz	5826.4	-37.14	-13	PASS

Test Graphs(WCDMA)



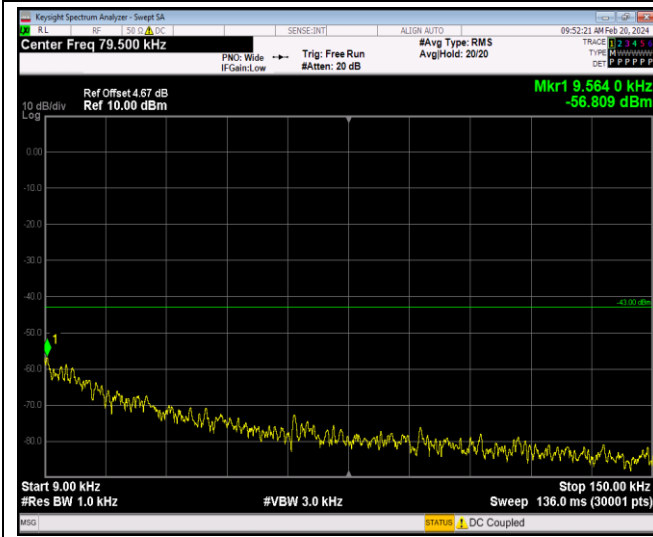




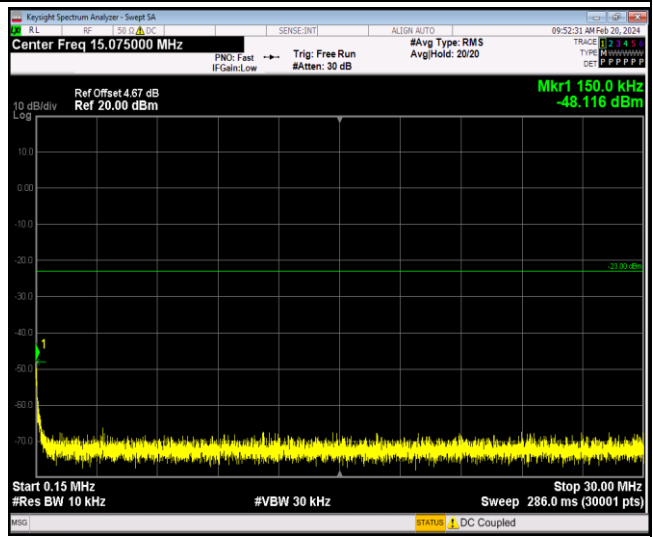


Band4-1513-0.009~0.15MHz

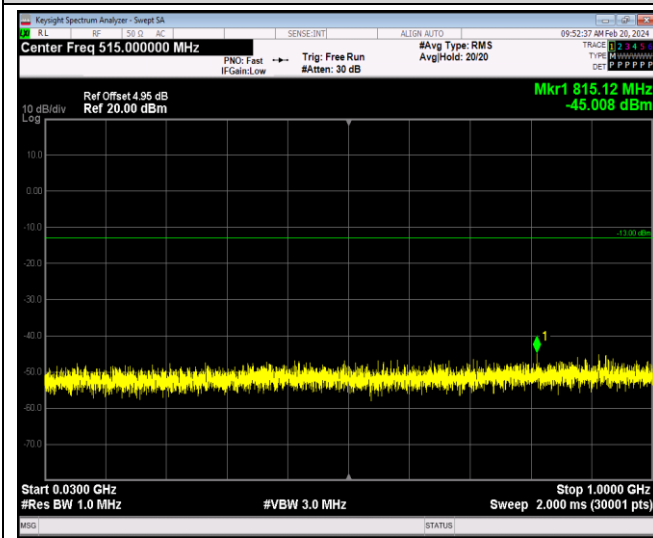
Band4-1513-0.15~30MHz



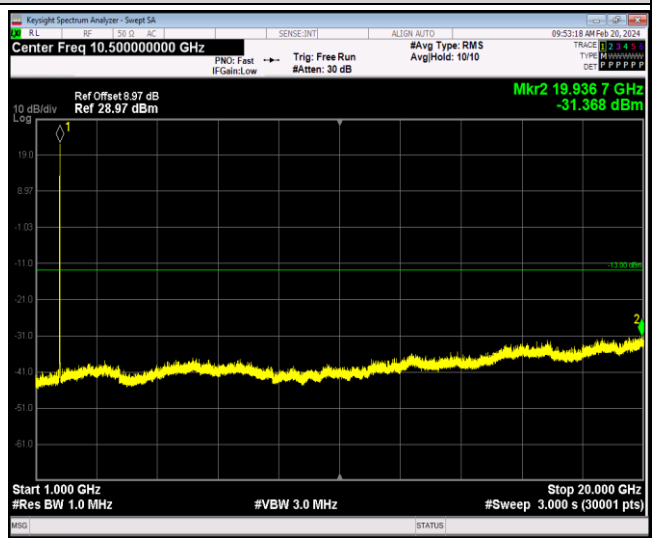
Band4-1513-30~1000MHz



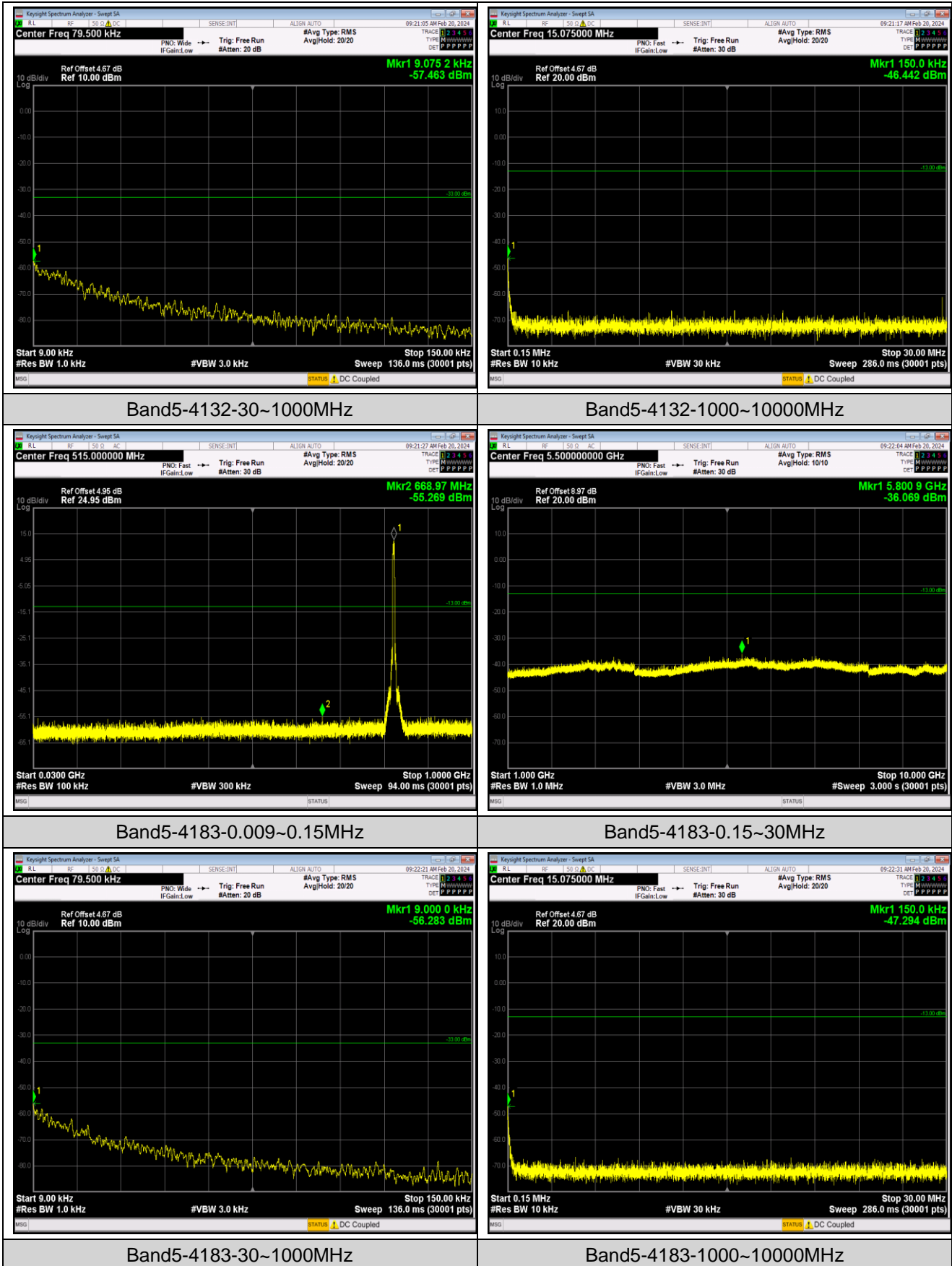
Band4-1513-1000~20000MHz

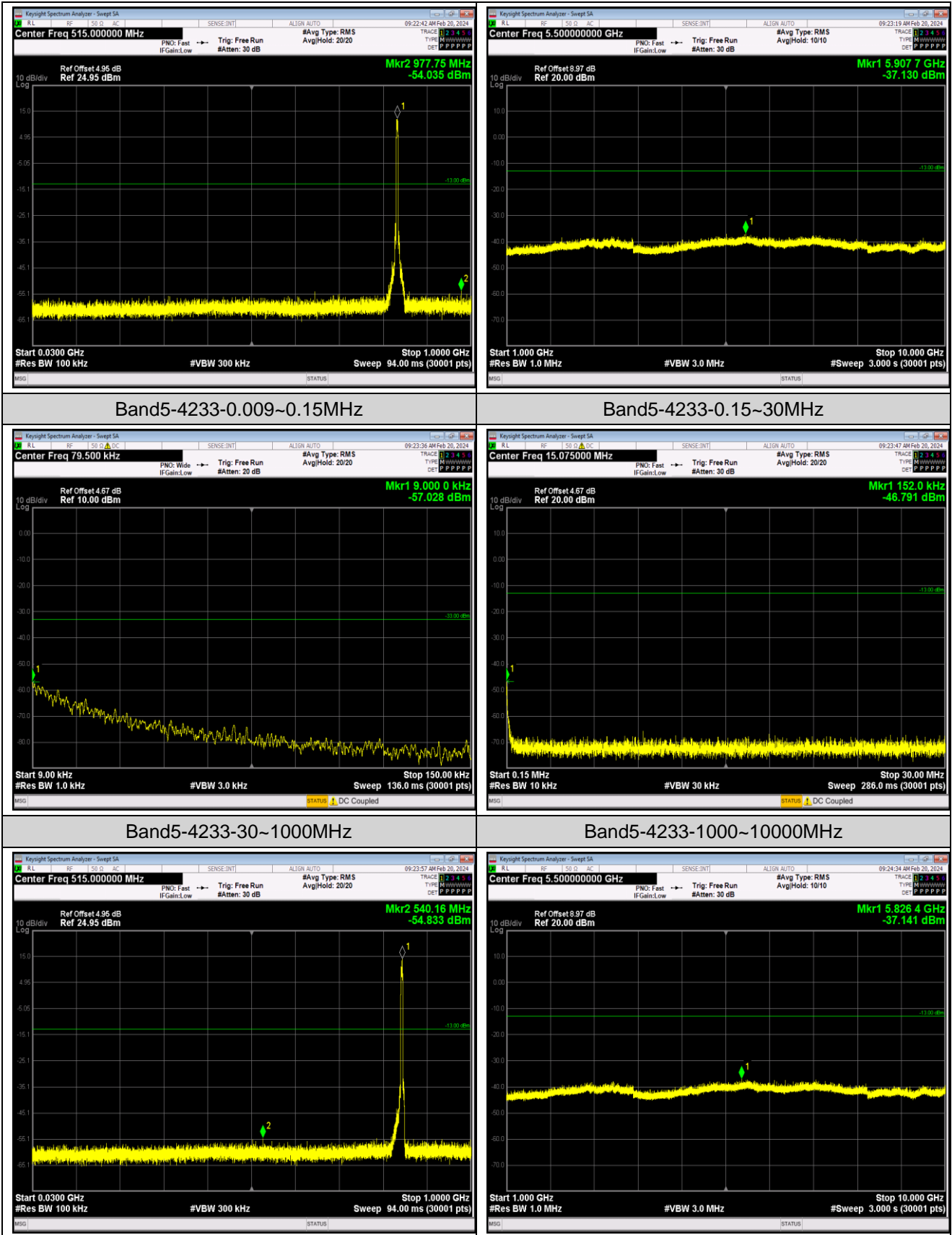


Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz





Appendix F: 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		
3.85	-30	-1.20	-0.001434	±2.5	Pass
	-20	2.34	0.002797		
	-10	1.42	0.001697		
	0	-0.13	-0.000155		
	10	1.40	0.001673		
	20	-0.09	-0.000108		
	30	-0.43	-0.000514		
	40	0.98	0.001171		
	50	-0.24	-0.000287		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	1.97	0.002355	±2.5	Pass
	3.85	-2.68	-0.003203		
	4.40	0.79	0.000944		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-1.14	-0.000658	Within authorized band for BAND IV	Pass
	-20	1.66	0.000958		
	-10	5.56	0.003209		
	0	-1.08	-0.000623		
	10	-1.42	-0.000820		
	20	0.74	0.000427		
	30	0.58	0.000335		
	40	1.60	0.000923		
	50	2.19	0.001264		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	8.85	0.005108	Within authorized band for BAND IV	Pass
	3.85	8.40	0.004848		
	4.40	-0.33	-0.000190		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

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		
3.85	-30	1.74	0.000926	Within authorized band for BAND II	Pass
	-20	5.89	0.003133		
	-10	-5.89	-0.003133		
	0	-11.08	-0.005894		
	10	4.06	0.002160		
	20	-4.62	-0.002457		
	30	-5.53	-0.002941		
	40	8.55	0.004548		
	50	-1.66	-0.000883		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	0.95	0.000505	Within authorized band for BAND II	Pass
	3.85	-1.48	-0.000787		
	4.40	-6.18	-0.003287		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

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

