

AppendixA: Effective (Isotropic) Radiated Power Output Data

Main antenna: (B5 ANT3 PRX, B2 & B4 ANT2 PRX):

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	22.71	21.2	33.01	PASS
Band2	TestMode	9262	22.66	21.15	33.01	PASS
Band2	TestMode	9400	22.81	21.3	33.01	PASS
Band2	Voice	9400	22.77	21.26	33.01	PASS
Band2	TestMode	9538	22.89	21.38	33.01	PASS
Band2	Voice	9538	22.99	21.48	33.01	PASS
Band4	Voice	1312	22.51	19.64	30.00	PASS
Band4	TestMode	1312	22.46	19.59	30.00	PASS
Band4	TestMode	1413	22.59	19.72	30.00	PASS
Band4	Voice	1413	22.64	19.77	30.00	PASS
Band4	Voice	1513	22.48	19.61	30.00	PASS
Band4	TestMode	1513	22.44	19.57	30.00	PASS
Band5	TestMode	4132	23.58	21.36	38.45	PASS
Band5	Voice	4132	23.49	21.27	38.45	PASS
Band5	TestMode	4183	23.51	21.29	38.45	PASS
Band5	Voice	4183	23.49	21.27	38.45	PASS
Band5	Voice	4233	23.51	21.29	38.45	PASS
Band5	TestMode	4233	23.41	21.19	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.70	21.19	33.01	PASS
Band2	9262	2	22.24	20.73	33.01	PASS
Band2	9262	3	22.21	20.7	33.01	PASS
Band2	9262	4	22.20	20.69	33.01	PASS
Band2	9400	1	22.67	21.16	33.01	PASS
Band2	9400	2	22.28	20.77	33.01	PASS
Band2	9400	3	22.30	20.79	33.01	PASS
Band2	9400	4	22.31	20.8	33.01	PASS
Band2	9538	1	23.00	21.49	33.01	PASS
Band2	9538	2	22.42	20.91	33.01	PASS
Band2	9538	3	22.52	21.01	33.01	PASS

Band2	9538	4	22.45	20.94	33.01	PASS
Band4	1312	1	22.53	19.66	30.00	PASS
Band4	1312	2	22.12	19.25	30.00	PASS
Band4	1312	3	22.09	19.22	30.00	PASS
Band4	1312	4	22.07	19.2	30.00	PASS
Band4	1413	1	22.72	19.85	30.00	PASS
Band4	1413	2	22.24	19.37	30.00	PASS
Band4	1413	3	22.27	19.4	30.00	PASS
Band4	1413	4	22.23	19.36	30.00	PASS
Band4	1513	1	22.57	19.7	30.00	PASS
Band4	1513	2	22.04	19.17	30.00	PASS
Band4	1513	3	22.08	19.21	30.00	PASS
Band4	1513	4	22.02	19.15	30.00	PASS
Band5	4132	1	23.62	21.4	38.5	PASS
Band5	4132	2	23.14	20.92	38.5	PASS
Band5	4132	3	23.18	20.96	38.5	PASS
Band5	4132	4	23.16	20.94	38.5	PASS
Band5	4183	1	23.56	21.34	38.5	PASS
Band5	4183	2	23.07	20.85	38.5	PASS
Band5	4183	3	23.10	20.88	38.5	PASS
Band5	4183	4	23.05	20.83	38.5	PASS
Band5	4233	1	23.57	21.35	38.5	PASS
Band5	4233	2	23.09	20.87	38.5	PASS
Band5	4233	3	23.08	20.86	38.5	PASS
Band5	4233	4	23.06	20.84	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.59	19.08	33.01	PASS
Band2	9262	2	20.59	19.08	33.01	PASS
Band2	9262	3	21.61	20.1	33.01	PASS
Band2	9262	4	20.62	19.11	33.01	PASS
Band2	9262	5	22.54	21.03	33.01	PASS
Band2	9400	1	20.72	19.21	33.01	PASS
Band2	9400	2	20.73	19.22	33.01	PASS
Band2	9400	3	21.73	20.22	33.01	PASS
Band2	9400	4	20.73	19.22	33.01	PASS
Band2	9400	5	22.72	21.21	33.01	PASS
Band2	9538	1	20.85	19.34	33.01	PASS
Band2	9538	2	20.81	19.3	33.01	PASS

Band2	9538	3	21.84	20.33	33.01	PASS
Band2	9538	4	20.90	19.39	33.01	PASS
Band2	9538	5	22.86	21.35	33.01	PASS
Band4	1312	1	20.50	17.63	30.00	PASS
Band4	1312	2	20.98	18.11	30.00	PASS
Band4	1312	3	21.49	18.62	30.00	PASS
Band4	1312	4	20.51	17.64	30.00	PASS
Band4	1312	5	22.51	19.64	30.00	PASS
Band4	1413	1	20.64	17.77	30.00	PASS
Band4	1413	2	21.14	18.27	30.00	PASS
Band4	1413	3	21.69	18.82	30.00	PASS
Band4	1413	4	20.66	17.79	30.00	PASS
Band4	1413	5	22.67	19.8	30.00	PASS
Band4	1513	1	20.49	17.62	30.00	PASS
Band4	1513	2	21.01	18.14	30.00	PASS
Band4	1513	3	21.52	18.65	30.00	PASS
Band4	1513	4	20.58	17.71	30.00	PASS
Band4	1513	5	22.53	19.66	30.00	PASS
Band5	4132	1	21.63	19.41	38.5	PASS
Band5	4132	2	22.16	19.94	38.5	PASS
Band5	4132	3	22.62	20.4	38.5	PASS
Band5	4132	4	21.63	19.41	38.5	PASS
Band5	4132	5	23.64	21.42	38.5	PASS
Band5	4183	1	21.57	19.35	38.5	PASS
Band5	4183	2	22.05	19.83	38.5	PASS
Band5	4183	3	22.58	20.36	38.5	PASS
Band5	4183	4	21.59	19.37	38.5	PASS
Band5	4183	5	23.56	21.34	38.5	PASS
Band5	4233	1	21.56	19.34	38.5	PASS
Band5	4233	2	22.05	19.83	38.5	PASS
Band5	4233	3	22.55	20.33	38.5	PASS
Band5	4233	4	21.59	19.37	38.5	PASS
Band5	4233	5	23.59	21.37	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2&4)
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

AUX antenna(B5 ANT1 PRX, B2 & B4 ANT4 PRX)::

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	21.98	18.58	33.01	PASS
Band2	TestMode	9262	21.89	18.49	33.01	PASS
Band2	TestMode	9400	22.07	18.67	33.01	PASS
Band2	Voice	9400	22.15	18.75	33.01	PASS
Band2	Voice	9538	22.27	18.87	33.01	PASS
Band2	TestMode	9538	22.05	18.65	33.01	PASS
Band4	TestMode	1312	22.37	17.4	30.00	PASS
Band4	Voice	1312	22.33	17.36	30.00	PASS
Band4	TestMode	1413	22.54	17.57	30.00	PASS
Band4	Voice	1413	22.49	17.52	30.00	PASS
Band4	TestMode	1513	22.30	17.33	30.00	PASS
Band4	Voice	1513	22.25	17.28	30.00	PASS
Band5	TestMode	4132	23.04	13.2	38.45	PASS
Band5	Voice	4132	23.03	13.19	38.45	PASS
Band5	Voice	4183	23.03	13.19	38.45	PASS
Band5	TestMode	4183	23.01	13.17	38.45	PASS
Band5	Voice	4233	22.93	13.09	38.45	PASS
Band5	TestMode	4233	22.91	13.07	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.00	18.6	33.01	PASS
Band2	9262	2	21.45	18.05	33.01	PASS
Band2	9262	3	21.45	18.05	33.01	PASS
Band2	9262	4	21.48	18.08	33.01	PASS
Band2	9400	1	22.16	18.76	33.01	PASS
Band2	9400	2	21.61	18.21	33.01	PASS
Band2	9400	3	21.64	18.24	33.01	PASS
Band2	9400	4	21.65	18.25	33.01	PASS
Band2	9538	1	22.27	18.87	33.01	PASS
Band2	9538	2	21.69	18.29	33.01	PASS
Band2	9538	3	21.78	18.38	33.01	PASS
Band2	9538	4	21.72	18.32	33.01	PASS
Band4	1312	1	22.34	17.37	30.00	PASS

Band4	1312	2	21.88	16.91	30.00	PASS
Band4	1312	3	21.91	16.94	30.00	PASS
Band4	1312	4	21.89	16.92	30.00	PASS
Band4	1413	1	22.55	17.58	30.00	PASS
Band4	1413	2	22.05	17.08	30.00	PASS
Band4	1413	3	22.08	17.11	30.00	PASS
Band4	1413	4	22.03	17.06	30.00	PASS
Band4	1513	1	22.32	17.35	30.00	PASS
Band4	1513	2	21.81	16.84	30.00	PASS
Band4	1513	3	21.84	16.87	30.00	PASS
Band4	1513	4	21.79	16.82	30.00	PASS
Band5	4132	1	23.05	13.21	38.5	PASS
Band5	4132	2	22.57	12.73	38.5	PASS
Band5	4132	3	22.56	12.72	38.5	PASS
Band5	4132	4	22.56	12.72	38.5	PASS
Band5	4183	1	23.04	13.2	38.5	PASS
Band5	4183	2	22.54	12.7	38.5	PASS
Band5	4183	3	22.56	12.72	38.5	PASS
Band5	4183	4	22.52	12.68	38.5	PASS
Band5	4233	1	23.02	13.18	38.5	PASS
Band5	4233	2	22.49	12.65	38.5	PASS
Band5	4233	3	22.54	12.7	38.5	PASS
Band5	4233	4	22.50	12.66	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.89	16.49	33.01	PASS
Band2	9262	2	20.41	17.01	33.01	PASS
Band2	9262	3	20.89	17.49	33.01	PASS
Band2	9262	4	19.92	16.52	33.01	PASS
Band2	9262	5	21.89	18.49	33.01	PASS
Band2	9400	1	20.08	16.68	33.01	PASS
Band2	9400	2	20.57	17.17	33.01	PASS
Band2	9400	3	21.08	17.68	33.01	PASS
Band2	9400	4	20.08	16.68	33.01	PASS
Band2	9400	5	22.08	18.68	33.01	PASS
Band2	9538	1	20.12	16.72	33.01	PASS
Band2	9538	2	20.66	17.26	33.01	PASS
Band2	9538	3	21.16	17.76	33.01	PASS
Band2	9538	4	20.18	16.78	33.01	PASS

Band2	9538	5	22.13	18.73	33.01	PASS
Band4	1312	1	20.34	15.37	30.00	PASS
Band4	1312	2	20.84	15.87	30.00	PASS
Band4	1312	3	21.35	16.38	30.00	PASS
Band4	1312	4	20.32	15.35	30.00	PASS
Band4	1312	5	22.35	17.38	30.00	PASS
Band4	1413	1	20.50	15.53	30.00	PASS
Band4	1413	2	21.01	16.04	30.00	PASS
Band4	1413	3	21.53	16.56	30.00	PASS
Band4	1413	4	20.51	15.54	30.00	PASS
Band4	1413	5	22.51	17.54	30.00	PASS
Band4	1513	1	20.30	15.33	30.00	PASS
Band4	1513	2	20.78	15.81	30.00	PASS
Band4	1513	3	21.30	16.33	30.00	PASS
Band4	1513	4	20.32	15.35	30.00	PASS
Band4	1513	5	22.32	17.35	30.00	PASS
Band5	4132	1	21.04	11.2	38.5	PASS
Band5	4132	2	21.56	11.72	38.5	PASS
Band5	4132	3	22.05	12.21	38.5	PASS
Band5	4132	4	21.05	11.21	38.5	PASS
Band5	4132	5	23.03	13.19	38.5	PASS
Band5	4183	1	21.03	11.19	38.5	PASS
Band5	4183	2	21.53	11.69	38.5	PASS
Band5	4183	3	22.03	12.19	38.5	PASS
Band5	4183	4	20.99	11.15	38.5	PASS
Band5	4183	5	23.02	13.18	38.5	PASS
Band5	4233	1	21.00	11.16	38.5	PASS
Band5	4233	2	21.52	11.68	38.5	PASS
Band5	4233	3	22.00	12.16	38.5	PASS
Band5	4233	4	21.03	11.19	38.5	PASS
Band5	4233	5	23.02	13.18	38.5	PASS

All Band support multi-antenna transmission, can be switched and apart from power, the report only presents the test data of the main antenna.

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

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

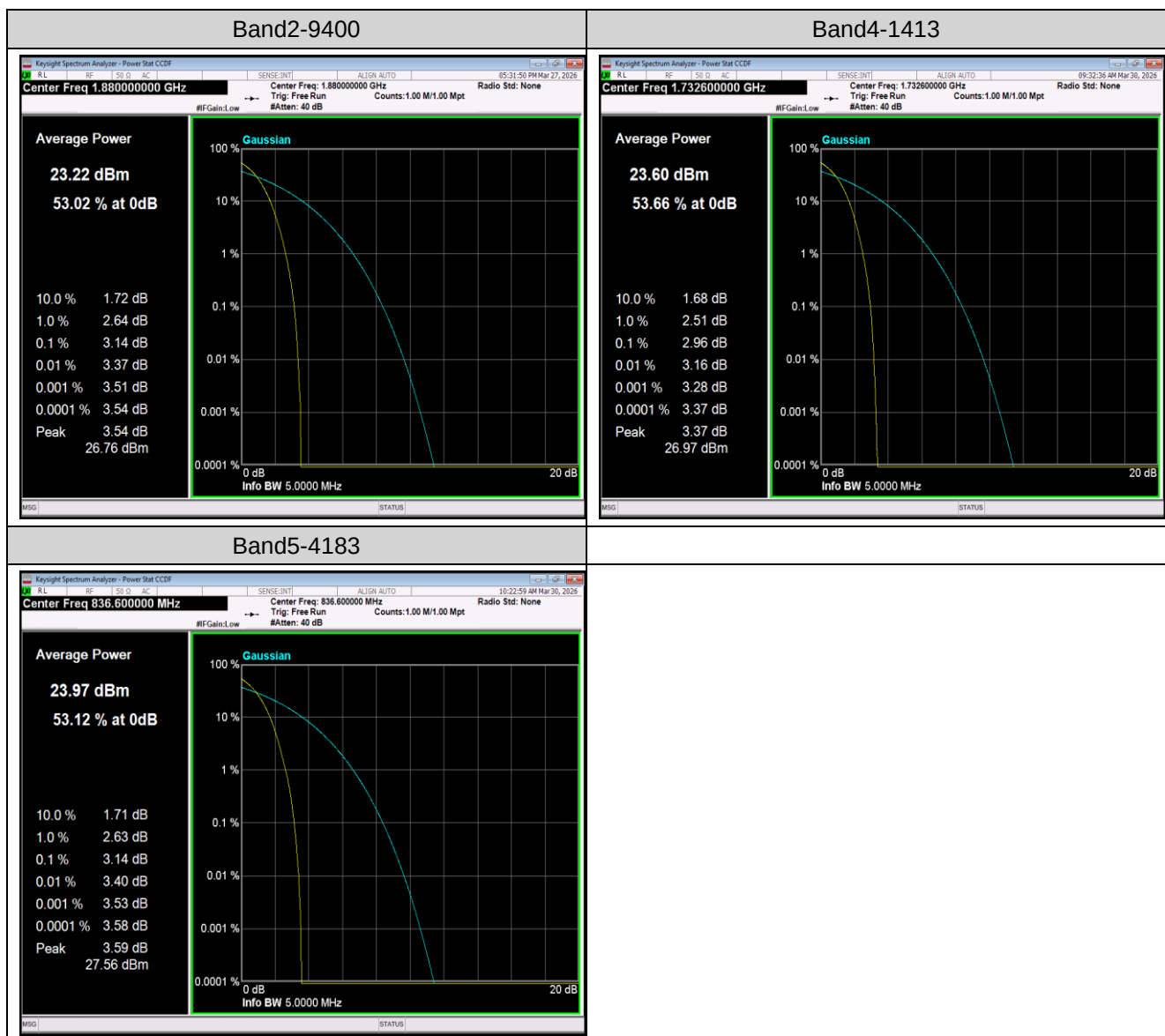
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.14	13	PASS
Band4	1413	2.96	13	PASS
Band5	4183	3.14	13	PASS

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

Test Graphs(WCDMA)

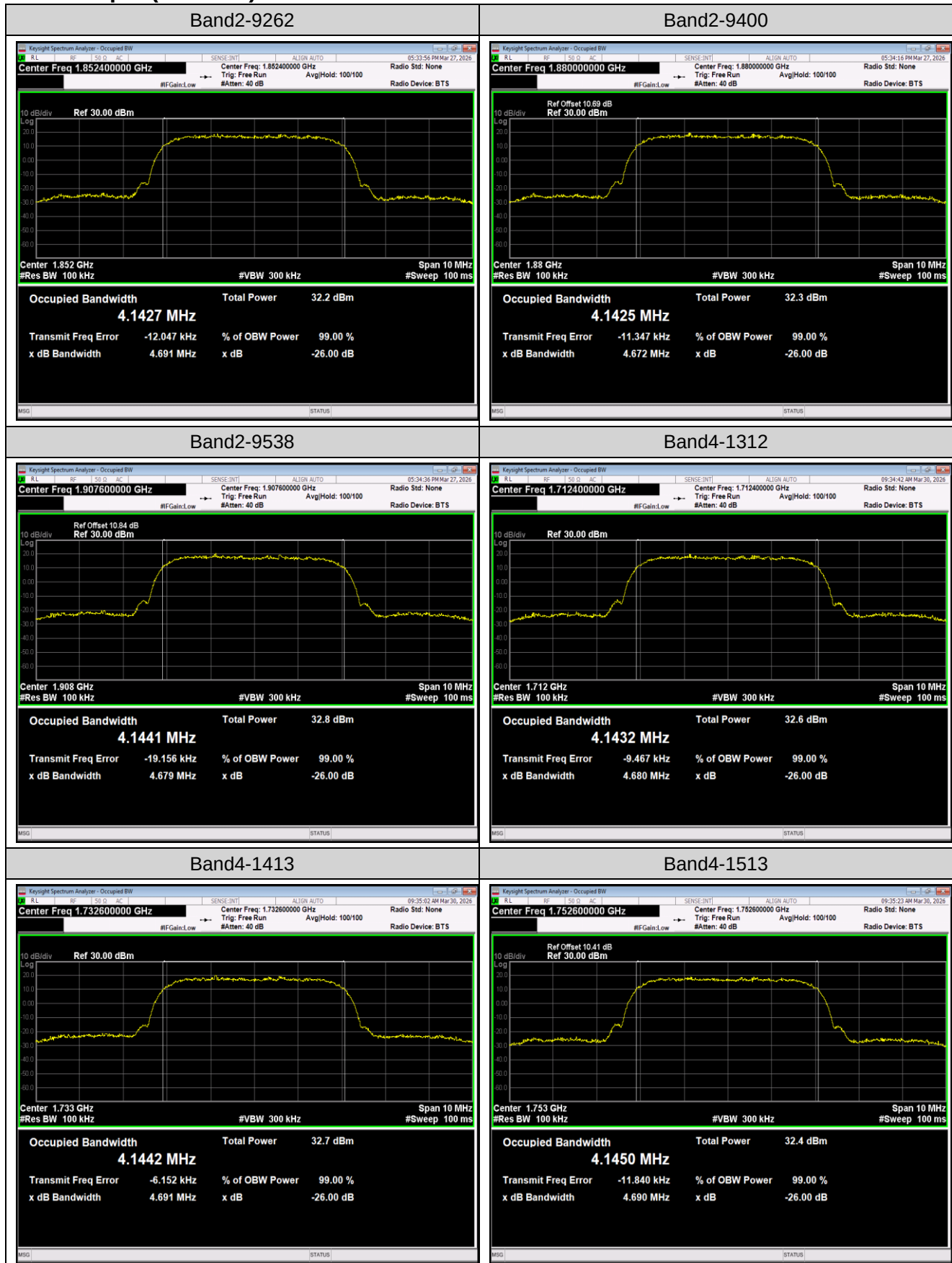


AppendixC:26dB Bandwidth andOccupied Bandwidth

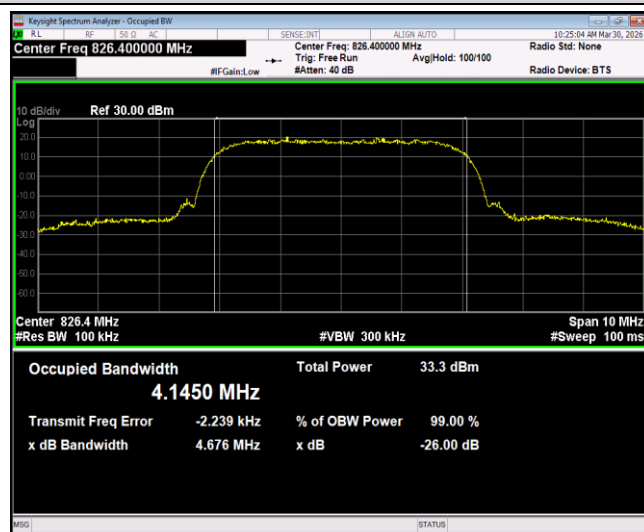
Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1427	4.691	---	PASS
Band2	9400	4.1425	4.672	---	PASS
Band2	9538	4.1441	4.679	---	PASS
Band4	1312	4.1432	4.680	---	PASS
Band4	1413	4.1442	4.691	---	PASS
Band4	1513	4.1450	4.690	---	PASS
Band5	4132	4.1450	4.676	---	PASS
Band5	4183	4.1420	4.685	---	PASS
Band5	4233	4.1487	4.687	---	PASS

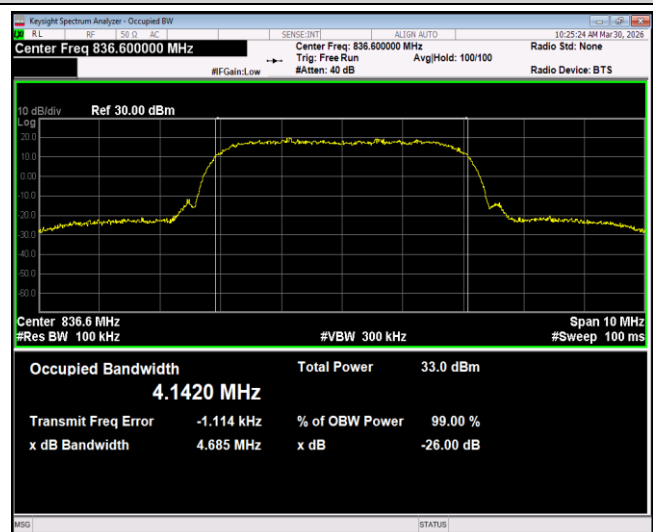
Test Graphs(WCDMA)



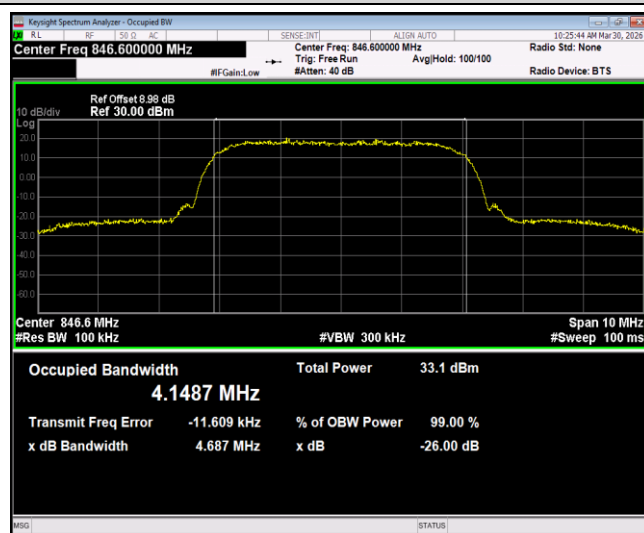
Band5-4132



Band5-4183



Band5-4233

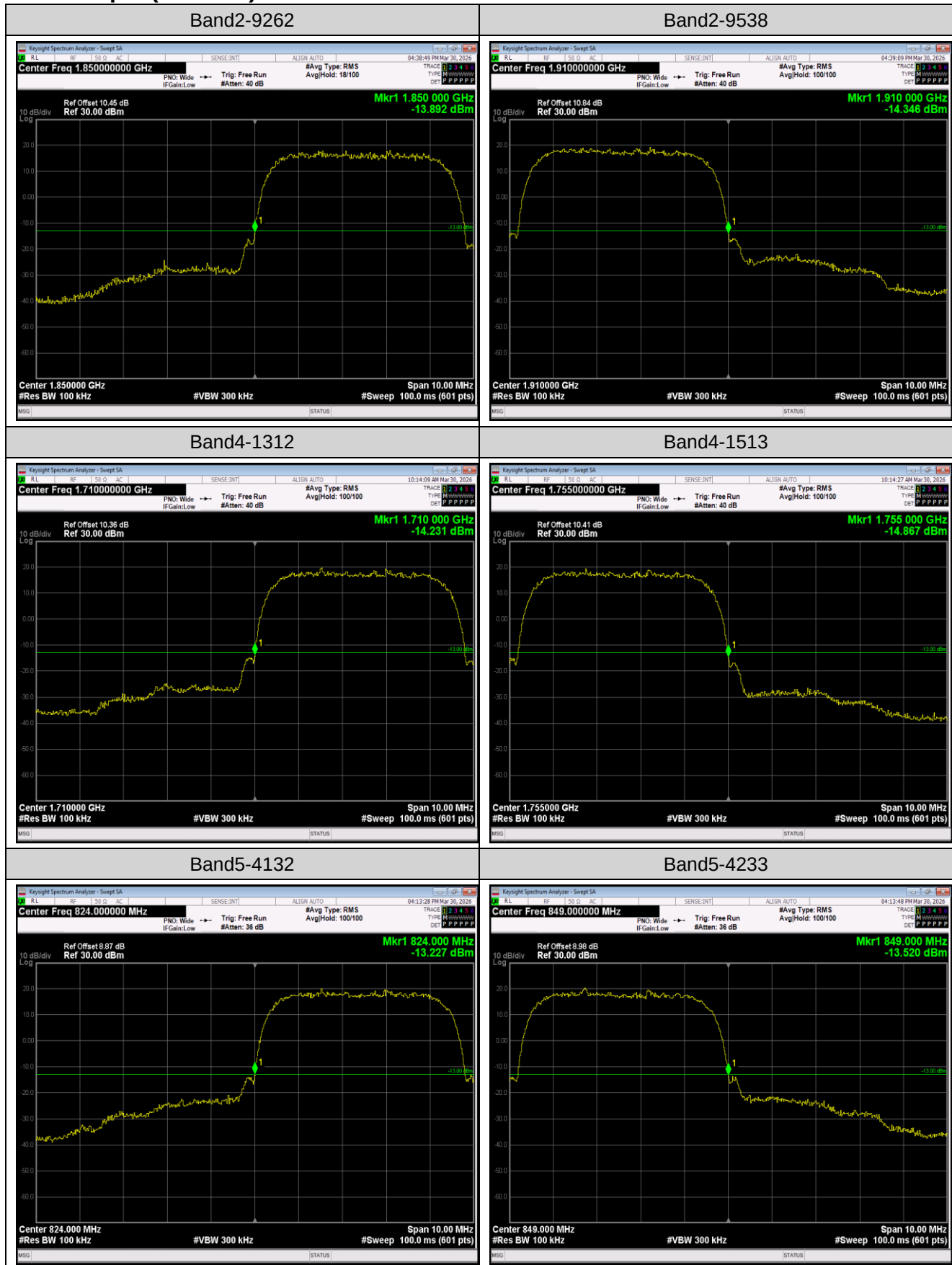


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-15.38	-13	PASS
Band2	9538	1910.00	-14.35	-13	PASS
Band4	1312	1710.00	-14.23	-13	PASS
Band4	1513	1755.00	-14.87	-13	PASS
Band5	4132	824.00	-13.23	-13	PASS
Band5	4233	849.00	-13.52	-13	PASS

Test Graphs(WCDMA)



JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

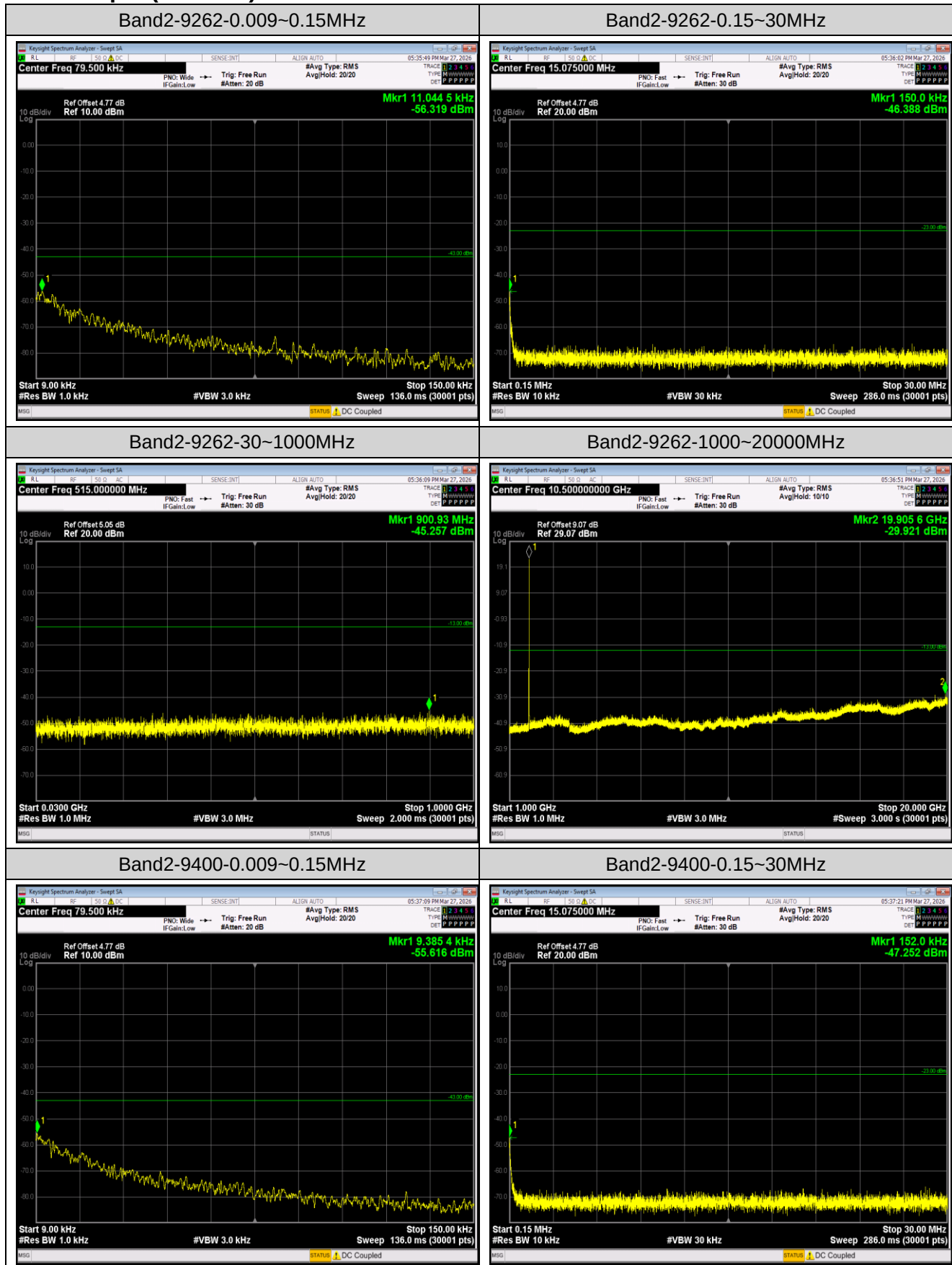
Project No.: JYTSZR2603031

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	-56.32	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.39	-23	PASS
Band2	9262	30~1000MHz	900.93	-45.26	-13	PASS
Band2	9262	1000~20000MHz	19905.63	-29.92	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.62	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.25	-23	PASS
Band2	9400	30~1000MHz	632.34	-45.46	-13	PASS
Band2	9400	1000~20000MHz	19780.23	-30.77	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.09	-43	PASS
Band2	9538	0.15~30MHz	0.15	-46.45	-23	PASS
Band2	9538	30~1000MHz	708.19	-44.75	-13	PASS
Band2	9538	1000~20000MHz	19920.83	-30.23	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.07	-43	PASS
Band4	1312	0.15~30MHz	0.15	-45.91	-23	PASS
Band4	1312	30~1000MHz	862.75	-45.73	-13	PASS
Band4	1312	1000~20000MHz	19872.7	-30.07	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.85	-43	PASS
Band4	1413	0.15~30MHz	0.15	-46.99	-23	PASS
Band4	1413	30~1000MHz	368.66	-45.8	-13	PASS
Band4	1413	1000~20000MHz	19942.37	-30.44	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.79	-43	PASS
Band4	1513	0.15~30MHz	0.16	-47.58	-23	PASS
Band4	1513	30~1000MHz	624.45	-46.06	-13	PASS
Band4	1513	1000~20000MHz	19978.47	-30.54	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.79	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.94	-13	PASS
Band5	4132	30~1000MHz	523.34	-54.03	-13	PASS
Band5	4132	1000~10000MHz	5669.5	-37.07	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.25	-33	PASS
Band5	4183	0.15~30MHz	0.15	-44.37	-13	PASS
Band5	4183	30~1000MHz	962.36	-54.33	-13	PASS
Band5	4183	1000~10000MHz	5945.8	-37.03	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.7	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.05	-13	PASS
Band5	4233	30~1000MHz	957.32	-53.79	-13	PASS
Band5	4233	1000~10000MHz	5760.4	-36.6	-13	PASS

Test Graphs(WCDMA)

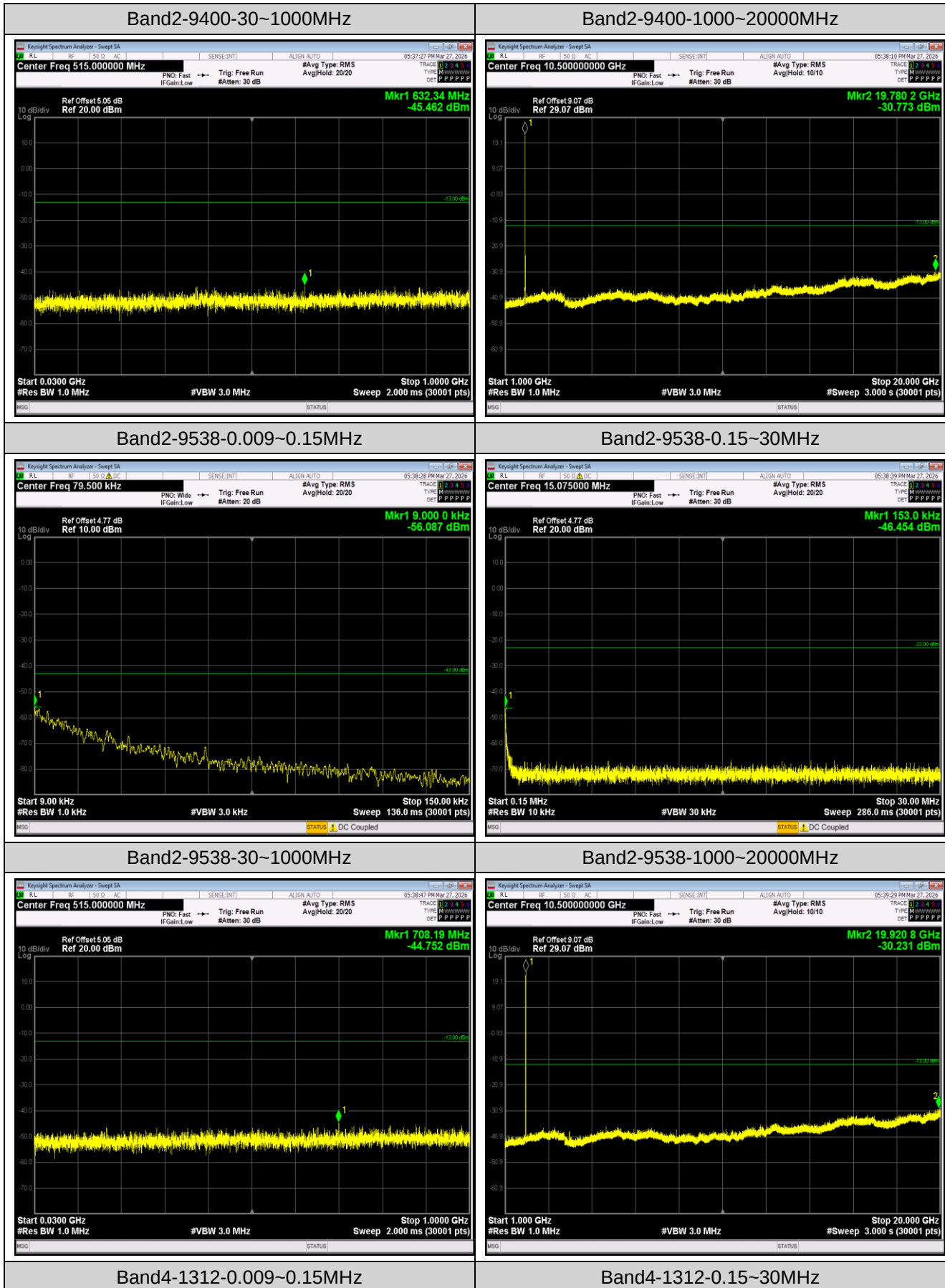


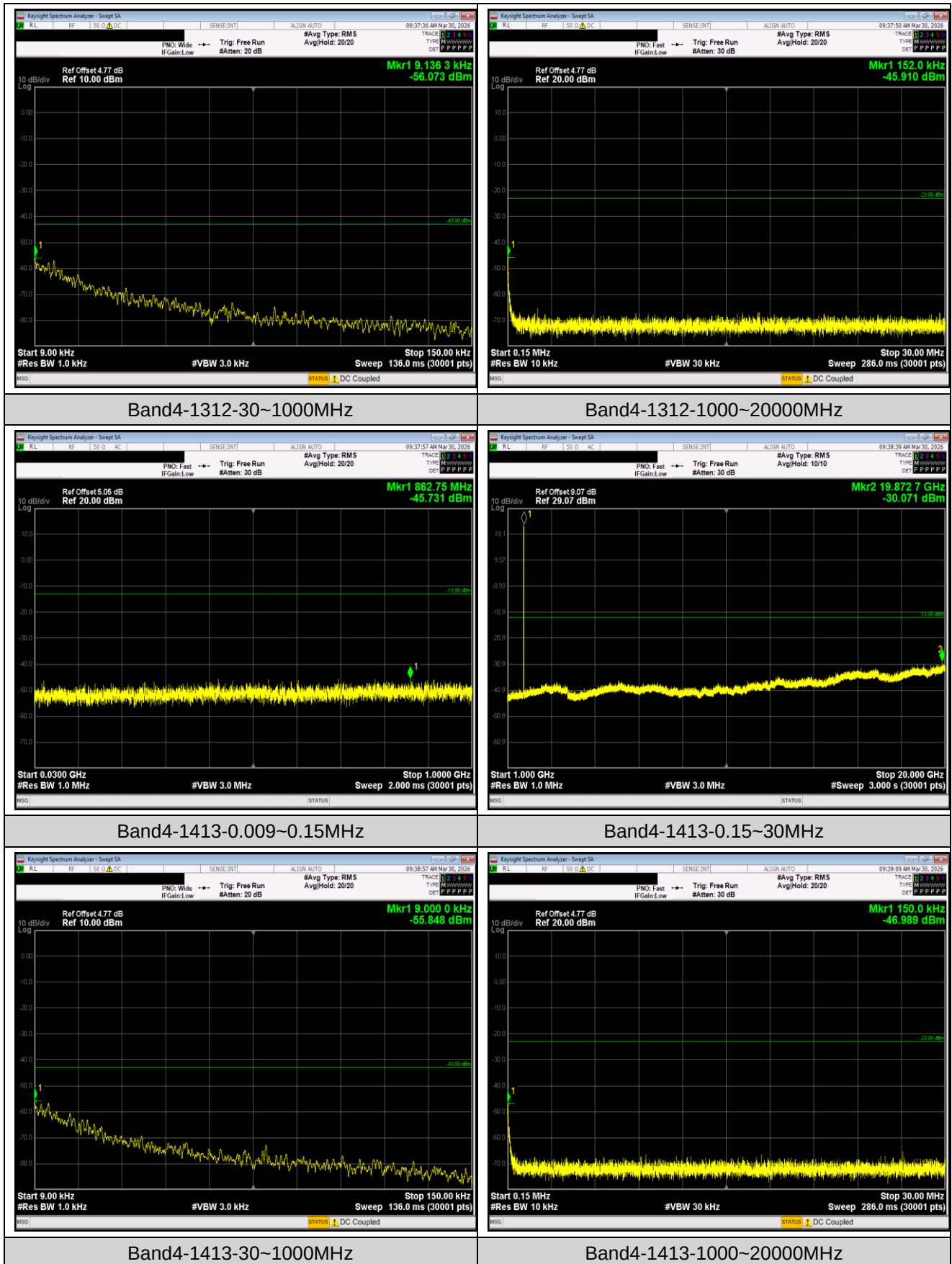
JianYan Testing Group Shenzhen Co., Ltd.

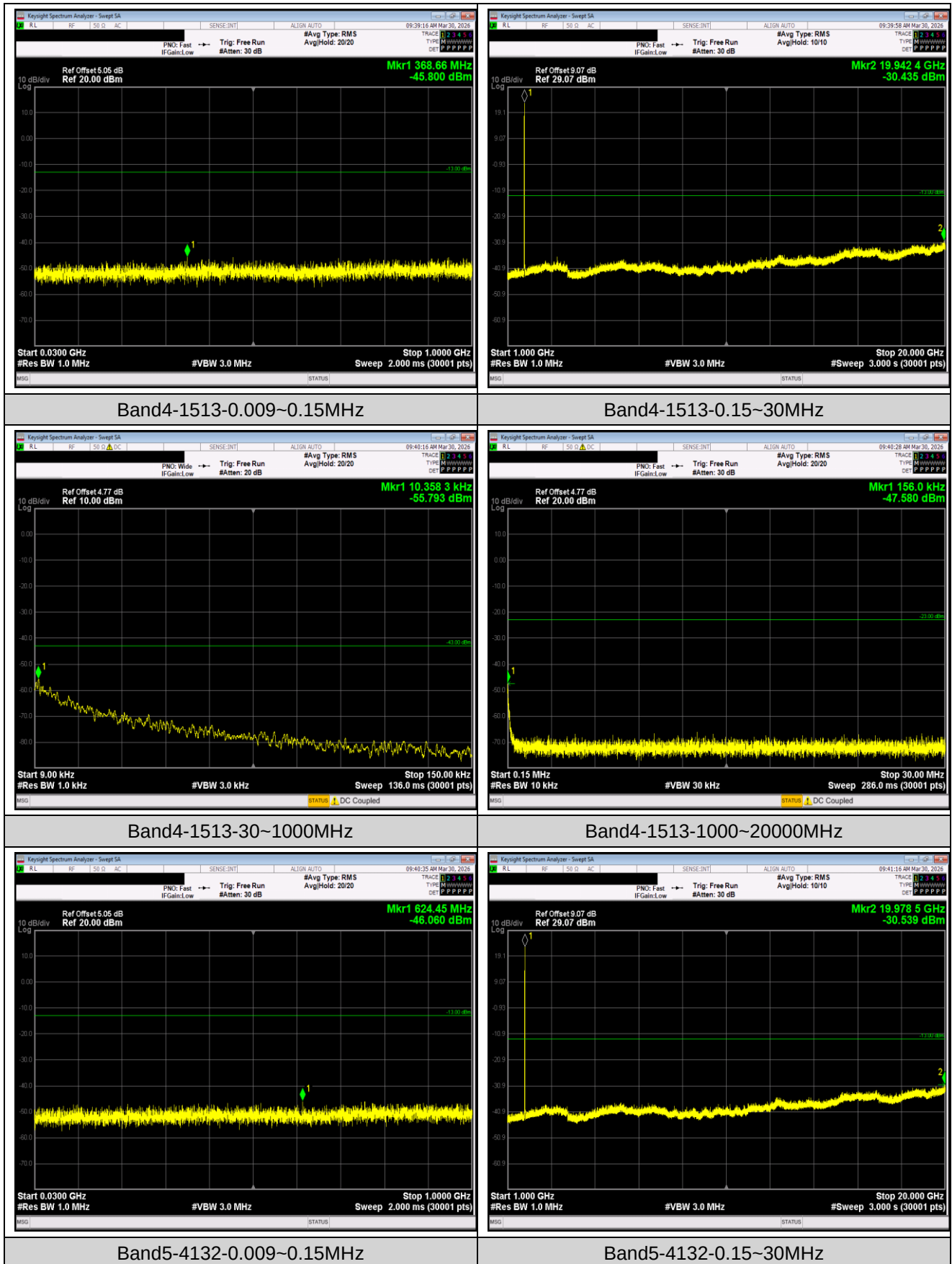
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

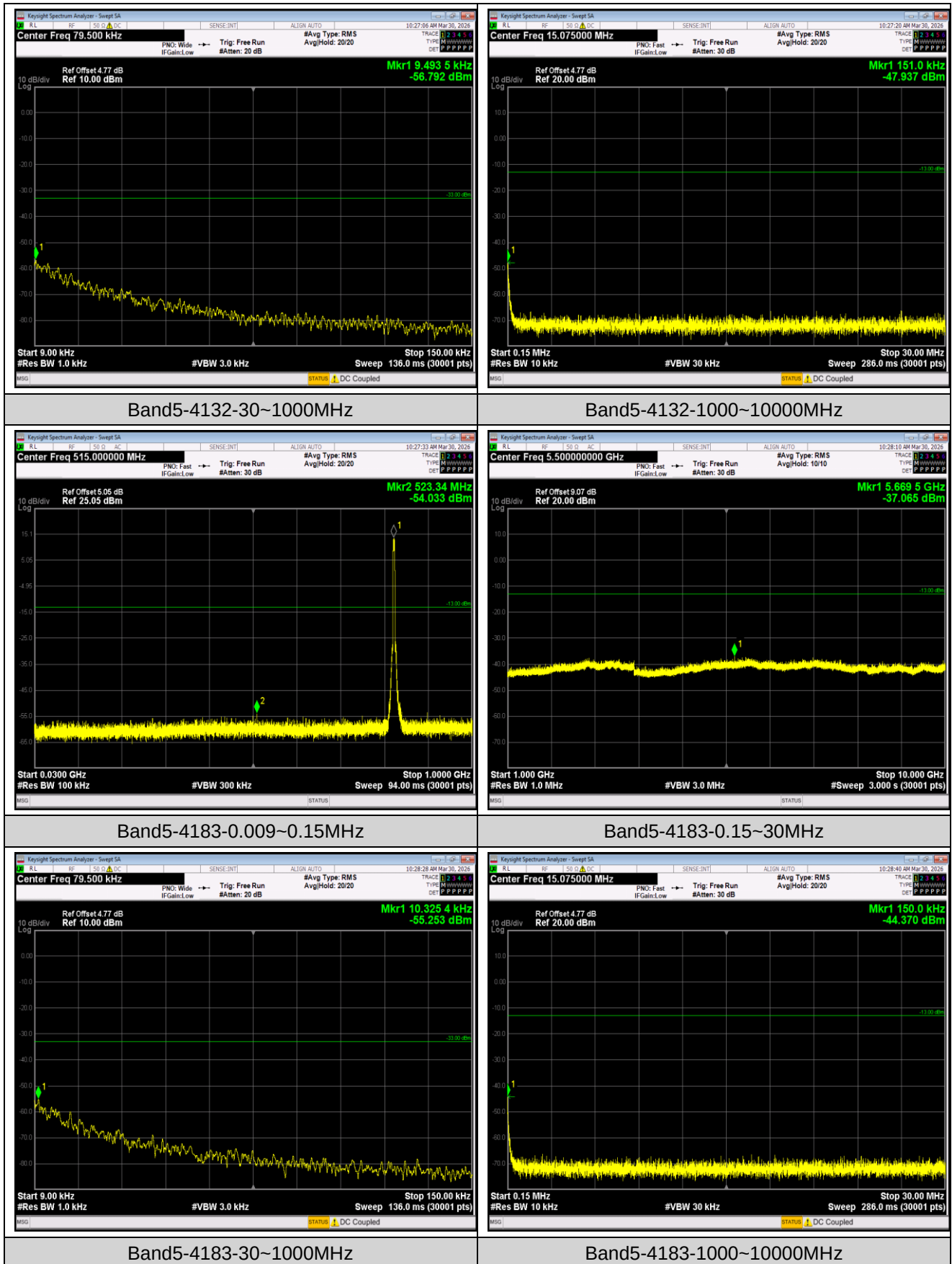
Tel: +86-755-23118282, Fax: +86-755-23116366

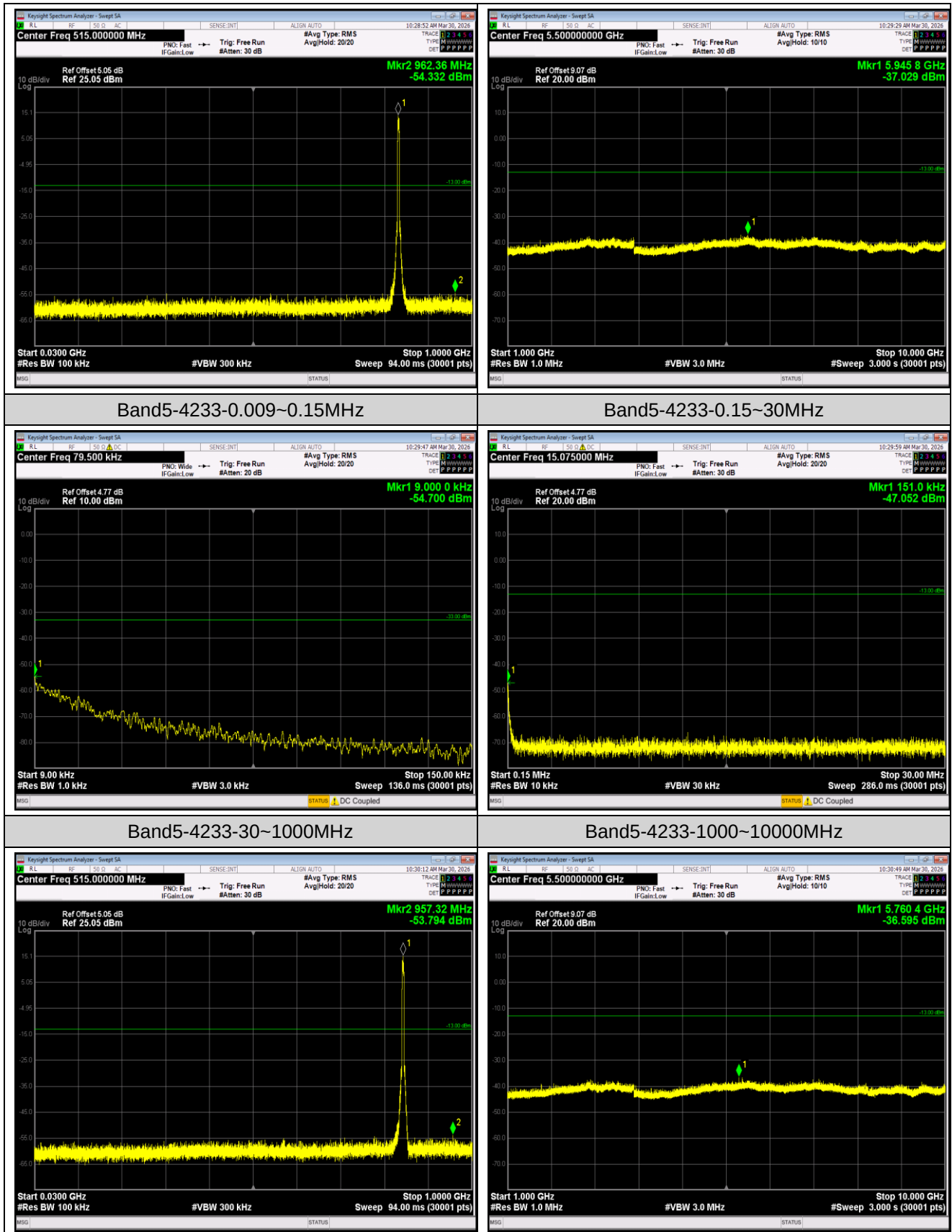
Project No.: JYTSZR2603031











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		
3.82	-30	-0.54	-0.000645	±2.5	Pass
	-20	-1.72	-0.002056		
	-10	-2.41	-0.002881		
	0	-0.64	-0.000765		
	10	-2.10	-0.002510		
	20	-1.58	-0.001889		
	30	-1.61	-0.001924		
	40	0.94	0.001124		
	50	-2.29	-0.002737		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.70	-0.002032	±2.5	Pass
	3.82	0.38	0.000454		
	4.53	-1.37	-0.001638		
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		
3.82	-30	-0.74	-0.000427	Within authorized band for BAND IV	Pass
	-20	-1.11	-0.000641		
	-10	-1.23	-0.000710		
	0	-1.92	-0.001108		
	10	-0.87	-0.000502		
	20	-1.33	-0.000768		
	30	-1.54	-0.000889		
	40	-1.37	-0.000791		
	50	0.38	0.000219		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-0.52	-0.000300	Within authorized band for BAND IV	Pass
	3.82	2.10	0.001212		
	4.53	0.85	0.000491		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.82	-30	3.48	0.001851	Within authorized band for BAND II	Pass
	-20	3.83	0.002037		
	-10	1.24	0.000660		
	0	2.65	0.001410		
	10	2.14	0.001138		
	20	2.02	0.001074		
	30	4.75	0.002527		
	40	2.44	0.001298		
	50	2.24	0.001191		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	0.37	0.000197	Within authorized band for BAND II	Pass
	3.82	1.57	0.000835		
	4.53	2.47	0.001314		
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

