

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	22.11	22.86	33	PASS
Band2	TestMode	9262	22.10	22.85	33	PASS
Band2	TestMode	9400	22.24	22.99	33	PASS
Band2	Voice	9400	22.19	22.94	33	PASS
Band2	TestMode	9538	22.11	22.86	33	PASS
Band2	Voice	9538	21.96	22.71	33	PASS
Band4	Voice	1312	21.93	22.60	30	PASS
Band4	TestMode	1312	21.98	22.65	30	PASS
Band4	Voice	1413	22.12	22.79	30	PASS
Band4	TestMode	1413	22.15	22.82	30	PASS
Band4	TestMode	1513	22.10	22.77	30	PASS
Band4	Voice	1513	22.04	22.71	30	PASS
Band5	Voice	4132	22.69	20.87	38.5	PASS
Band5	TestMode	4132	22.85	21.03	38.5	PASS
Band5	TestMode	4183	23.01	21.19	38.5	PASS
Band5	Voice	4183	23.02	21.20	38.5	PASS
Band5	Voice	4233	23.01	21.19	38.5	PASS
Band5	TestMode	4233	23.02	21.20	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.78	21.53	33	PASS
Band2	9262	2	20.47	21.22	33	PASS
Band2	9262	3	20.28	21.03	33	PASS
Band2	9262	4	20.35	21.10	33	PASS
Band2	9400	1	20.31	21.06	33	PASS
Band2	9400	2	20.09	20.84	33	PASS
Band2	9400	3	19.88	20.63	33	PASS
Band2	9400	4	19.90	20.65	33	PASS
Band2	9538	1	20.40	21.15	33	PASS
Band2	9538	2	20.16	20.91	33	PASS
Band2	9538	3	20.02	20.77	33	PASS
Band2	9538	4	20.11	20.86	33	PASS

Band4	1312	1	20.85	21.52	30	PASS
Band4	1312	2	20.86	21.53	30	PASS
Band4	1312	3	20.85	21.52	30	PASS
Band4	1312	4	20.89	21.56	30	PASS
Band4	1413	1	21.03	21.70	30	PASS
Band4	1413	2	21.07	21.74	30	PASS
Band4	1413	3	21.06	21.73	30	PASS
Band4	1413	4	21.09	21.76	30	PASS
Band4	1513	1	20.60	21.27	30	PASS
Band4	1513	2	20.69	21.36	30	PASS
Band4	1513	3	20.65	21.32	30	PASS
Band4	1513	4	20.69	21.36	30	PASS
Band5	4132	1	21.46	19.64	38.5	PASS
Band5	4132	2	21.24	19.42	38.5	PASS
Band5	4132	3	20.84	19.02	38.5	PASS
Band5	4132	4	20.85	19.03	38.5	PASS
Band5	4183	1	21.73	19.91	38.5	PASS
Band5	4183	2	21.53	19.71	38.5	PASS
Band5	4183	3	21.14	19.32	38.5	PASS
Band5	4183	4	21.15	19.33	38.5	PASS
Band5	4233	1	21.52	19.7	38.5	PASS
Band5	4233	2	21.38	19.56	38.5	PASS
Band5	4233	3	20.96	19.14	38.5	PASS
Band5	4233	4	20.97	19.15	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	18.53	19.28	33	PASS
Band2	9262	2	19.16	19.91	33	PASS
Band2	9262	3	18.97	19.72	33	PASS
Band2	9262	4	19.25	20.00	33	PASS
Band2	9262	5	21.02	21.77	33	PASS
Band2	9400	1	18.30	19.05	33	PASS
Band2	9400	2	18.73	19.48	33	PASS
Band2	9400	3	18.24	18.99	33	PASS
Band2	9400	4	18.77	19.52	33	PASS
Band2	9400	5	20.50	21.25	33	PASS
Band2	9538	1	18.36	19.11	33	PASS
Band2	9538	2	18.79	19.54	33	PASS
Band2	9538	3	18.33	19.08	33	PASS

Band2	9538	4	18.87	19.62	33	PASS
Band2	9538	5	20.59	21.34	33	PASS
Band4	1312	1	20.77	21.44	30	PASS
Band4	1312	2	20.88	21.55	30	PASS
Band4	1312	3	20.66	21.33	30	PASS
Band4	1312	4	20.96	21.63	30	PASS
Band4	1312	5	21.12	21.79	30	PASS
Band4	1413	1	20.70	21.37	30	PASS
Band4	1413	2	20.90	21.57	30	PASS
Band4	1413	3	20.30	20.97	30	PASS
Band4	1413	4	20.96	21.63	30	PASS
Band4	1413	5	21.22	21.89	30	PASS
Band4	1513	1	20.07	20.74	30	PASS
Band4	1513	2	20.56	21.23	30	PASS
Band4	1513	3	20.22	20.89	30	PASS
Band4	1513	4	20.66	21.33	30	PASS
Band4	1513	5	20.82	21.49	30	PASS
Band5	4132	1	20.26	18.44	38.5	PASS
Band5	4132	2	20.45	18.63	38.5	PASS
Band5	4132	3	20.17	18.35	38.5	PASS
Band5	4132	4	20.01	18.19	38.5	PASS
Band5	4132	5	21.41	19.59	38.5	PASS
Band5	4183	1	20.28	18.46	38.5	PASS
Band5	4183	2	20.43	18.61	38.5	PASS
Band5	4183	3	19.95	18.13	38.5	PASS
Band5	4183	4	20.00	18.18	38.5	PASS
Band5	4183	5	21.62	19.8	38.5	PASS
Band5	4233	1	19.51	17.69	38.5	PASS
Band5	4233	2	20.28	18.46	38.5	PASS
Band5	4233	3	19.68	17.86	38.5	PASS
Band5	4233	4	19.79	17.97	38.5	PASS
Band5	4233	5	21.48	19.66	38.5	PASS

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

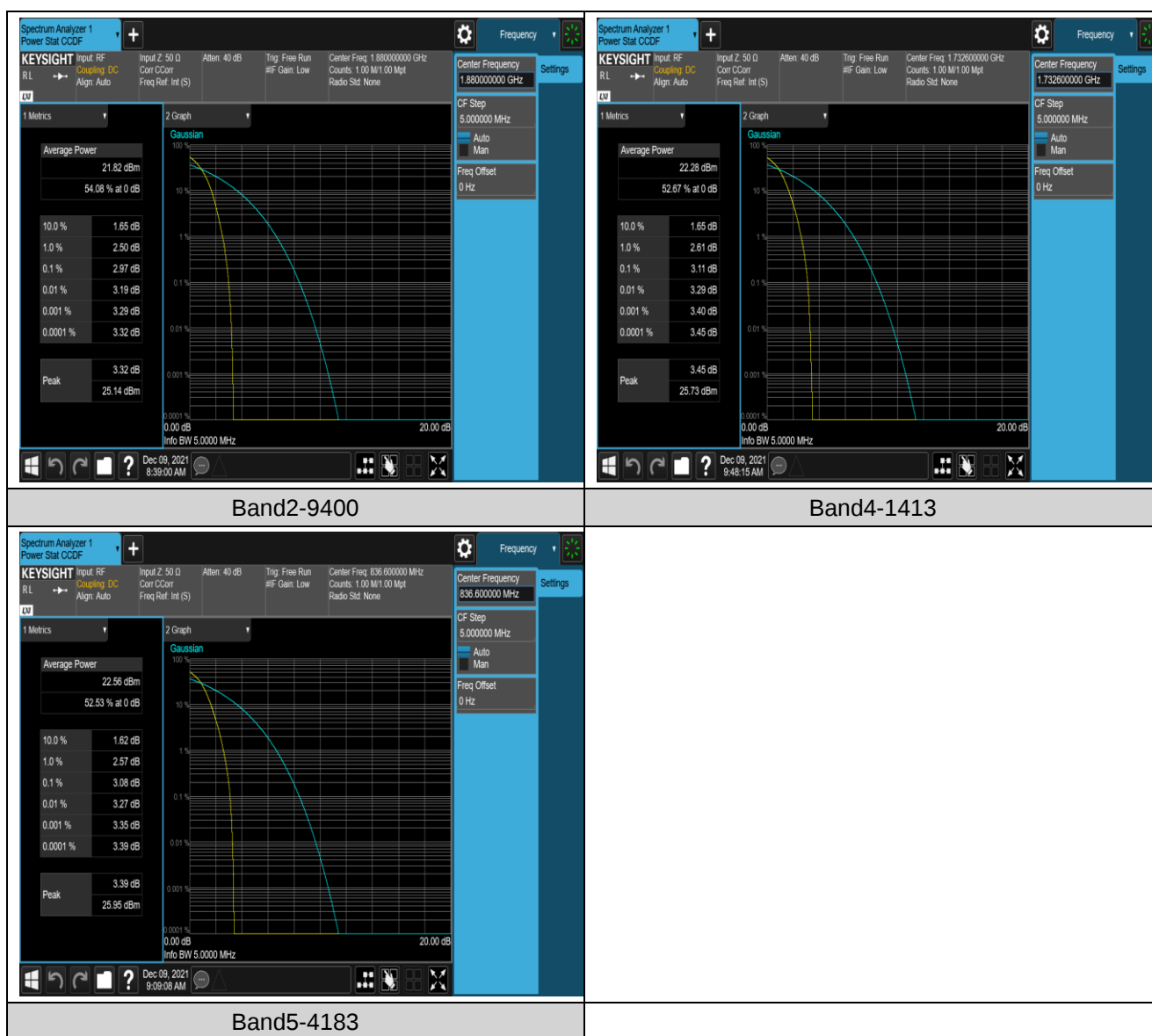
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.97	13	PASS
Band4	1413	3.11	13	PASS
Band5	4183	3.08	13	PASS

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

Test Graphs(WCDMA)

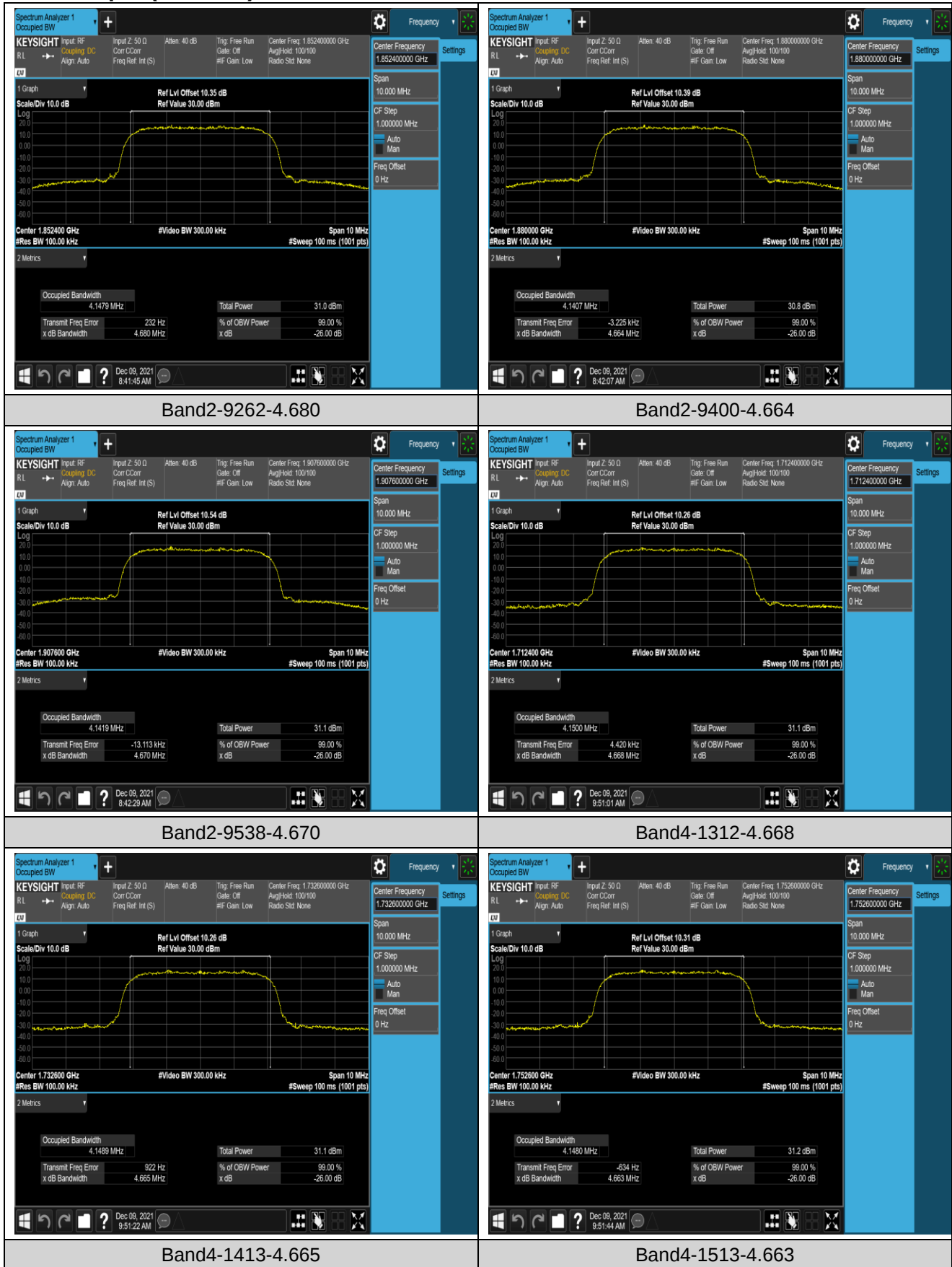


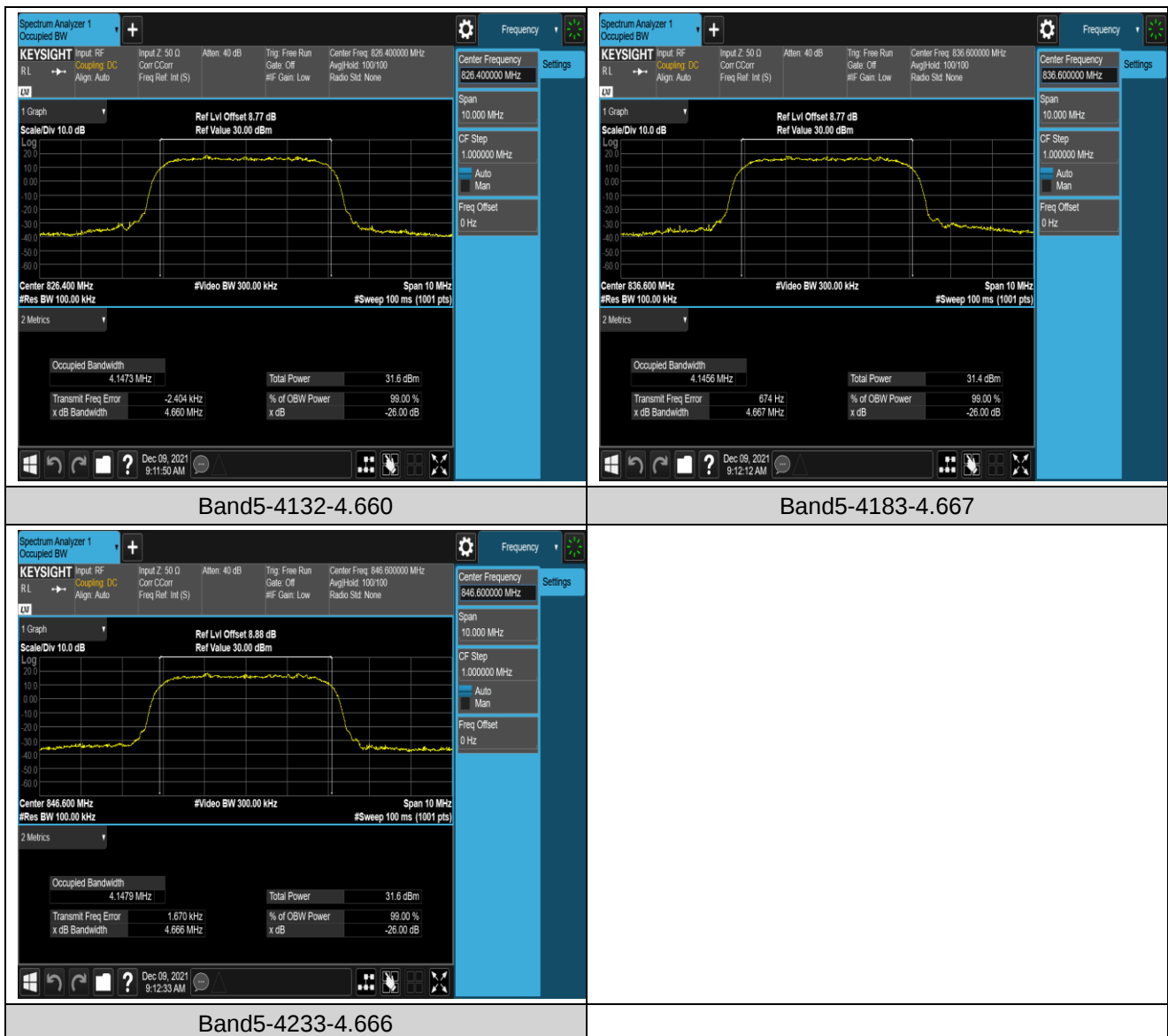
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1479	4.680	---	PASS
Band2	9400	4.1407	4.664	---	PASS
Band2	9538	4.1419	4.670	---	PASS
Band4	1312	4.1500	4.668	---	PASS
Band4	1413	4.1489	4.665	---	PASS
Band4	1513	4.1480	4.663	---	PASS
Band5	4132	4.1473	4.660	---	PASS
Band5	4183	4.1456	4.667	---	PASS
Band5	4233	4.1479	4.666	---	PASS

Test Graphs(WCDMA)



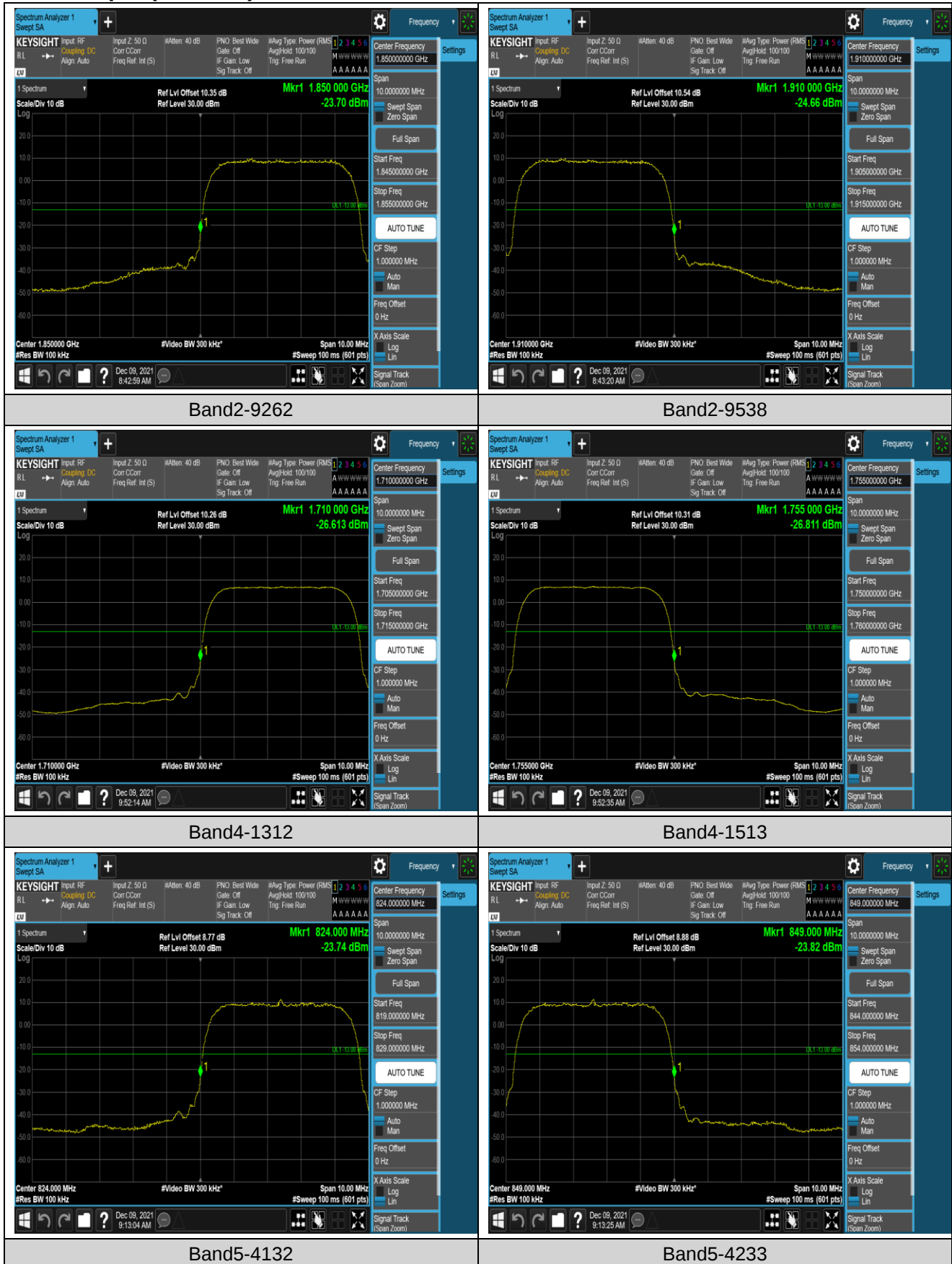


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.70	-13	PASS
Band2	9538	1910.00	-24.66	-13	PASS
Band4	1312	1710.00	-26.61	-13	PASS
Band4	1513	1755.00	-26.81	-13	PASS
Band5	4132	824.00	-23.74	-13	PASS
Band5	4233	849.00	-23.82	-13	PASS

Test Graphs(WCDMA)

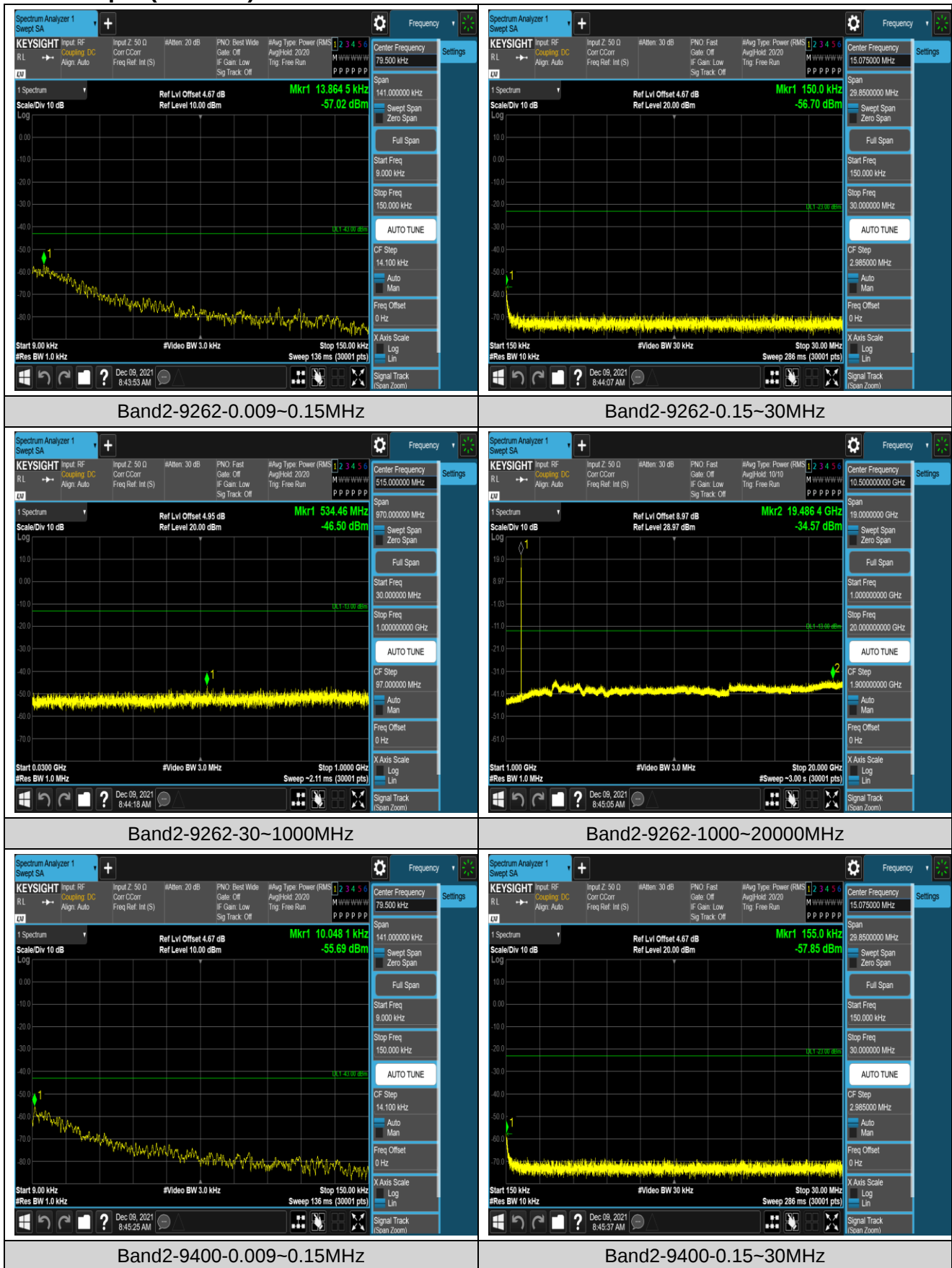


AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.02	-43	PASS
Band2	9262	0.15~30MHz	0.15	-56.7	-23	PASS
Band2	9262	30~1000MHz	534.46	-46.5	-13	PASS
Band2	9262	1000~20000MHz	19486.37	-34.57	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.7	-43	PASS
Band2	9400	0.15~30MHz	0.15	-57.85	-23	PASS
Band2	9400	30~1000MHz	747.25	-46.27	-13	PASS
Band2	9400	1000~20000MHz	3763.87	-34.59	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.93	-43	PASS
Band2	9538	0.15~30MHz	0.15	-56.87	-23	PASS
Band2	9538	30~1000MHz	775.64	-46.16	-13	PASS
Band2	9538	1000~20000MHz	3805.67	-34.5	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-57.96	-43	PASS
Band4	1312	0.15~30MHz	0.15	-56.65	-23	PASS
Band4	1312	30~1000MHz	891.23	-46.48	-13	PASS
Band4	1312	1000~20000MHz	19512.33	-34.18	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.71	-43	PASS
Band4	1413	0.15~30MHz	0.15	-55.24	-23	PASS
Band4	1413	30~1000MHz	870.31	-46.84	-13	PASS
Band4	1413	1000~20000MHz	3780.97	-34.71	-13	PASS
Band4	1513	0.009~0.15MHz	0.02	-57.78	-43	PASS
Band4	1513	0.15~30MHz	0.15	-57.87	-23	PASS
Band4	1513	30~1000MHz	939.76	-46.28	-13	PASS
Band4	1513	1000~20000MHz	3760.07	-34.42	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.43	-33	PASS
Band5	4132	0.15~30MHz	0.18	-56.62	-13	PASS
Band5	4132	30~1000MHz	669.59	-55.03	-13	PASS
Band5	4132	1000~10000MHz	3739.9	-35.03	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57.28	-33	PASS
Band5	4183	0.15~30MHz	0.16	-55.91	-13	PASS
Band5	4183	30~1000MHz	950.95	-55.71	-13	PASS
Band5	4183	1000~10000MHz	3726.4	-33.71	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.41	-33	PASS
Band5	4233	0.15~30MHz	0.15	-57.49	-13	PASS
Band5	4233	30~1000MHz	998.09	-55.44	-13	PASS
Band5	4233	1000~10000MHz	3763.3	-34.56	-13	PASS

Test Graphs(WCDMA)

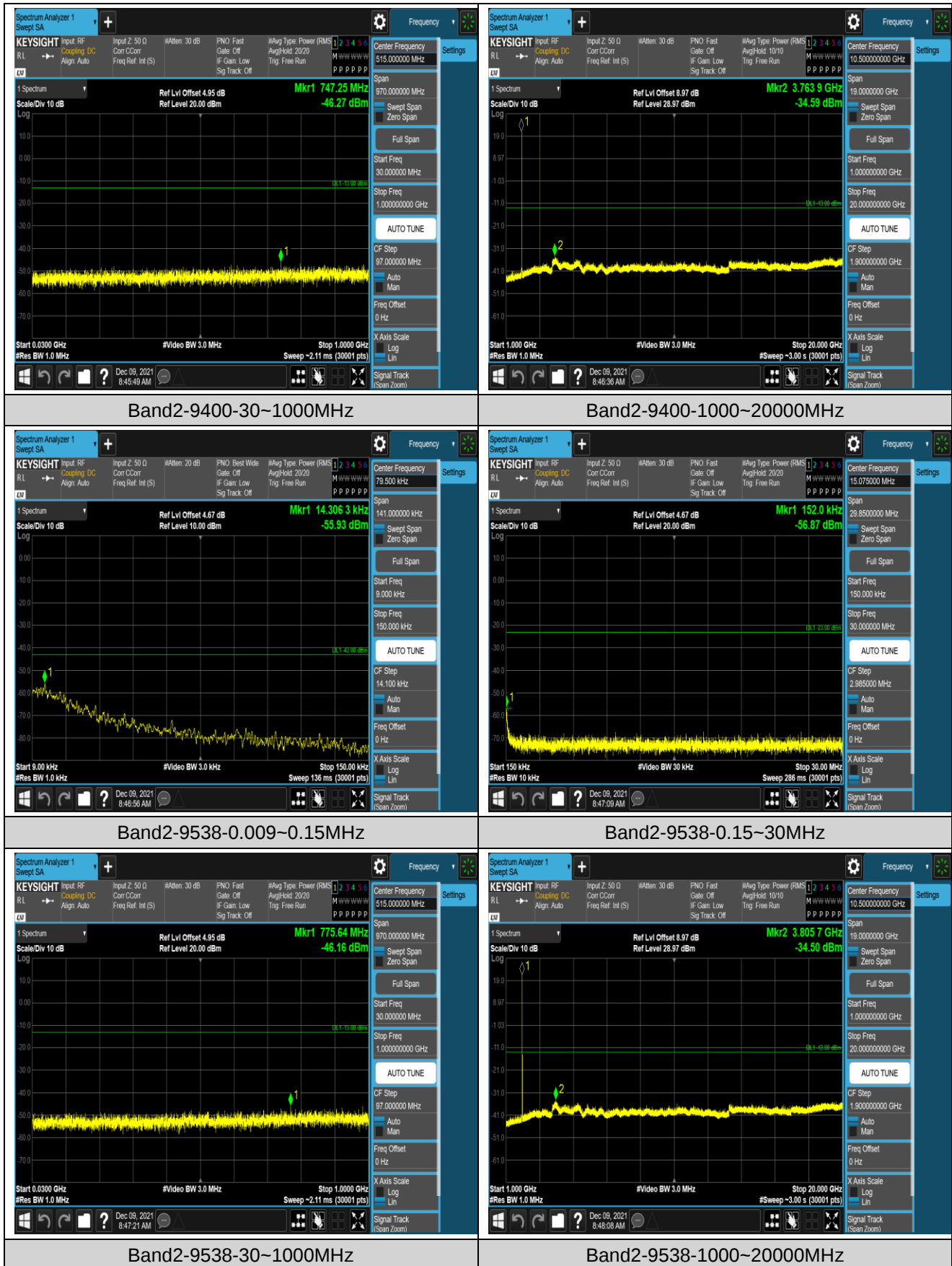


JianYan Testing Group Shenzhen Co., Ltd.

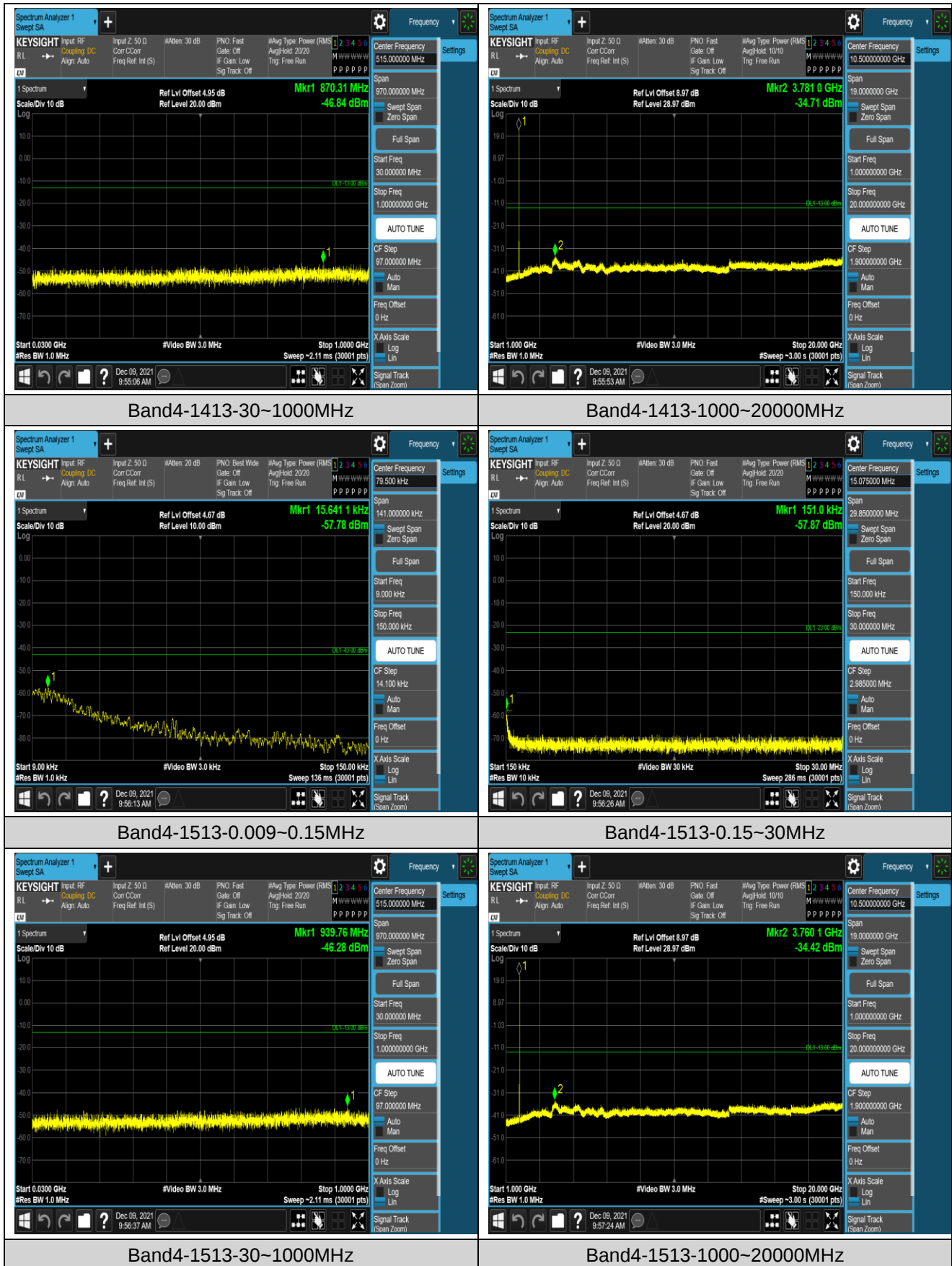
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

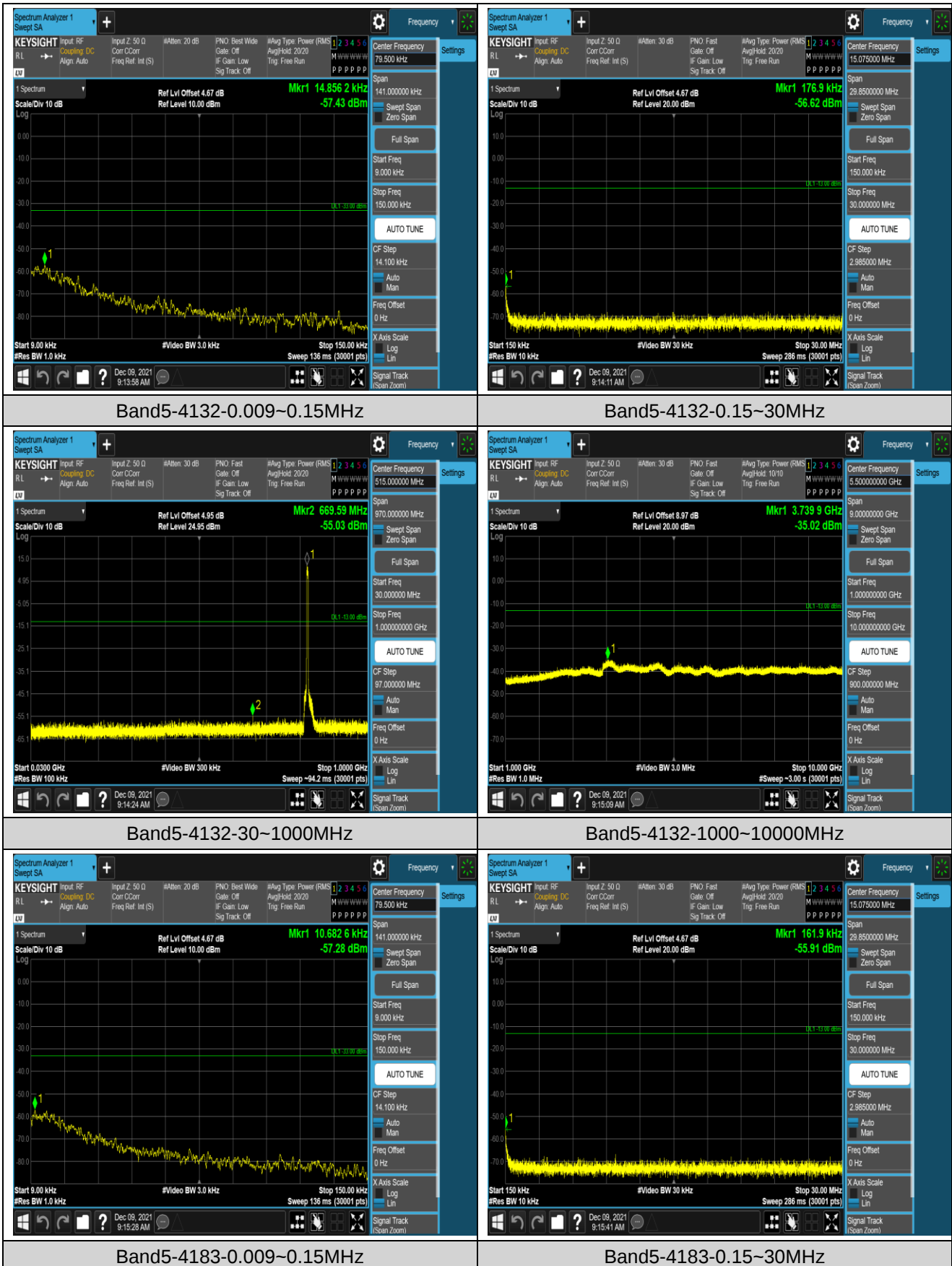
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AppendixF:Frequency Stability

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		
3.85	-30	2.46	0.001309	Within authorized band for BAND II	Pass
	-20	5.29	0.002814		
	-10	4.57	0.002431		
	0	4.73	0.002516		
	10	4.41	0.002346		
	20	1.74	0.000926		
	30	3.94	0.002096		
	40	4.96	0.002638		
	50	-6.06	-0.003223		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	2.20	0.001170	Within authorized band for BAND II	Pass
	3.85	4.18	0.002223		
	4.40	-2.43	-0.001293		
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 channel=1413 Frequency=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	0.32	0.000185	±2.5	Pass
	-20	-0.54	-0.000312		
	-10	-2.68	-0.001547		
	0	-4.94	-0.002851		
	10	-3.52	-0.002032		
	20	-5.16	-0.002978		
	30	-4.61	-0.002661		
	40	-3.46	-0.001997		
	50	-4.19	-0.002418		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.02	-0.000589	±2.5	Pass
	3.85	-6.37	-0.003677		
	4.40	-0.56	-0.000323		
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		
3.85	-30	-0.09	-0.000108	±2.5	Pass
	-20	-0.72	-0.000861		
	-10	-1.23	-0.001470		
	0	0.11	0.000131		
	10	-0.70	-0.000837		
	20	-0.60	-0.000717		
	30	-0.71	-0.000849		
	40	-0.51	-0.000610		
	50	-1.47	-0.001757		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.28	-0.001530	±2.5	Pass
	3.85	-0.71	-0.000849		
	4.40	0.24	0.000287		
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

