

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	24.33	24.53	33	PASS
Band2	TestMode	9262	24.33	24.53	33	PASS
Band2	Voice	9400	24.39	24.59	33	PASS
Band2	TestMode	9400	24.41	24.61	33	PASS
Band2	Voice	9538	24.29	24.49	33	PASS
Band2	TestMode	9538	24.37	24.57	33	PASS
Band5	Voice	4132	24.24	19.09	38.5	PASS
Band5	TestMode	4132	24.25	19.10	38.5	PASS
Band5	Voice	4183	24.38	19.23	38.5	PASS
Band5	TestMode	4183	24.36	19.21	38.5	PASS
Band5	Voice	4233	24.40	19.25	38.5	PASS
Band5	TestMode	4233	24.43	19.28	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	ConductedPower (dBm)	ERP/EIRP (dBm)	ERP/EIRPLimit (dBm)	Verdict
Band2	9262	1	23.37	23.57	33	PASS
Band2	9262	2	22.98	23.18	33	PASS
Band2	9262	3	22.91	23.11	33	PASS
Band2	9262	4	22.88	23.08	33	PASS
Band2	9400	1	23.42	23.62	33	PASS
Band2	9400	2	22.93	23.13	33	PASS
Band2	9400	3	22.89	23.09	33	PASS
Band2	9400	4	22.94	23.14	33	PASS
Band2	9538	1	23.39	23.59	33	PASS
Band2	9538	2	22.87	23.07	33	PASS
Band2	9538	3	22.90	23.10	33	PASS
Band2	9538	4	22.93	23.13	33	PASS
Band5	4132	1	23.37	18.22	38.5	PASS
Band5	4132	2	22.84	17.69	38.5	PASS
Band5	4132	3	22.84	17.69	38.5	PASS
Band5	4132	4	22.82	17.67	38.5	PASS
Band5	4183	1	23.52	18.37	38.5	PASS
Band5	4183	2	22.97	17.82	38.5	PASS
Band5	4183	3	22.95	17.80	38.5	PASS

Band5	4183	4	22.95	17.8	38.5	PASS
Band5	4233	1	23.56	18.41	38.5	PASS
Band5	4233	2	22.99	17.84	38.5	PASS
Band5	4233	3	23.02	17.87	38.5	PASS
Band5	4233	4	23.00	17.85	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.41	22.61	33	PASS
Band2	9262	2	22.93	23.13	33	PASS
Band2	9262	3	23.37	23.57	33	PASS
Band2	9262	4	22.46	22.66	33	PASS
Band2	9262	5	23.29	23.49	33	PASS
Band2	9400	1	22.43	22.63	33	PASS
Band2	9400	2	22.96	23.16	33	PASS
Band2	9400	3	23.40	23.60	33	PASS
Band2	9400	4	22.45	22.65	33	PASS
Band2	9400	5	24.41	24.61	33	PASS
Band2	9538	1	22.39	22.59	33	PASS
Band2	9538	2	22.91	23.11	33	PASS
Band2	9538	3	23.36	23.56	33	PASS
Band2	9538	4	22.45	22.65	33	PASS
Band2	9538	5	23.34	23.54	33	PASS
Band5	4132	1	22.37	17.22	38.5	PASS
Band5	4132	2	22.84	17.69	38.5	PASS
Band5	4132	3	23.38	18.23	38.5	PASS
Band5	4132	4	22.41	17.26	38.5	PASS
Band5	4132	5	23.33	18.18	38.5	PASS
Band5	4183	1	22.50	17.35	38.5	PASS
Band5	4183	2	22.98	17.83	38.5	PASS
Band5	4183	3	23.51	18.36	38.5	PASS
Band5	4183	4	22.54	17.39	38.5	PASS
Band5	4183	5	23.48	18.33	38.5	PASS
Band5	4233	1	22.55	17.40	38.5	PASS
Band5	4233	2	23.05	17.90	38.5	PASS
Band5	4233	3	23.54	18.39	38.5	PASS
Band5	4233	4	22.57	17.42	38.5	PASS
Band5	4233	5	23.51	18.36	38.5	PASS

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

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

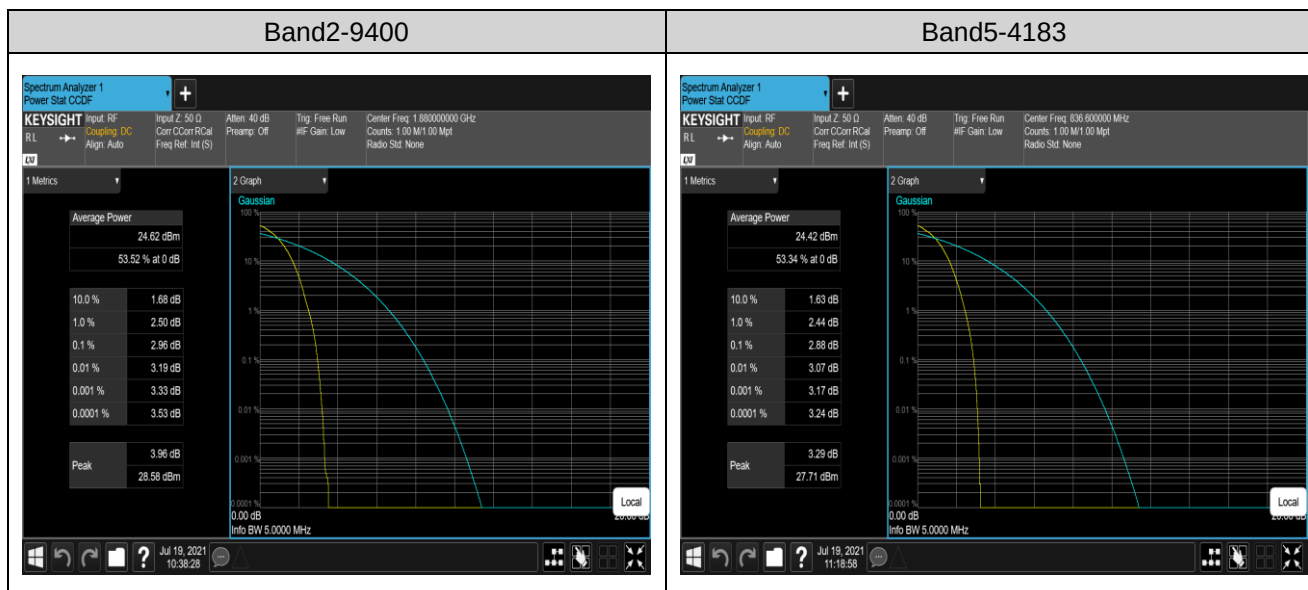
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.96	13	PASS
Band5	4183	2.88	13	PASS

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

Test Graphs(WCDMA)



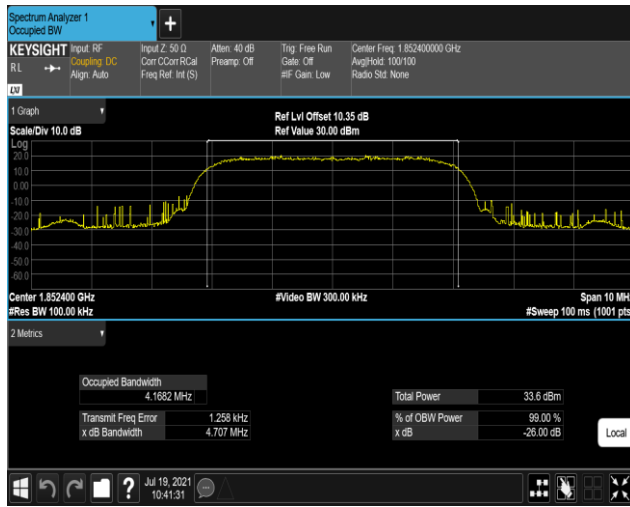
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

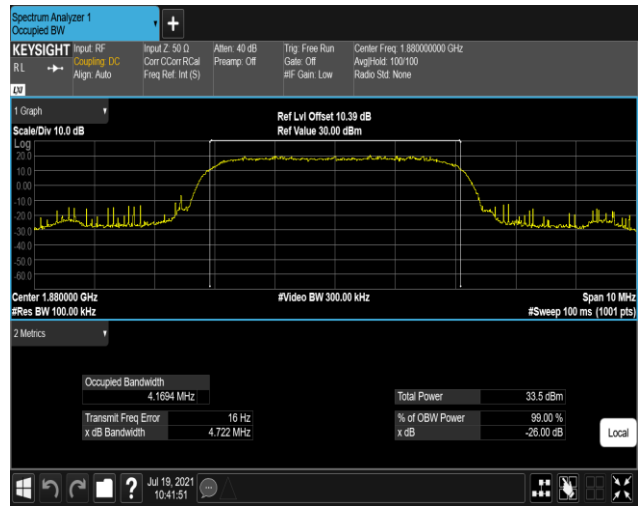
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1682	4.707	---	PASS
Band2	9400	4.1694	4.722	---	PASS
Band2	9538	4.1673	4.730	---	PASS
Band5	4132	4.1691	4.730	---	PASS
Band5	4183	4.1676	4.722	---	PASS
Band5	4233	4.1607	4.707	---	PASS

Test Graphs(WCDMA)

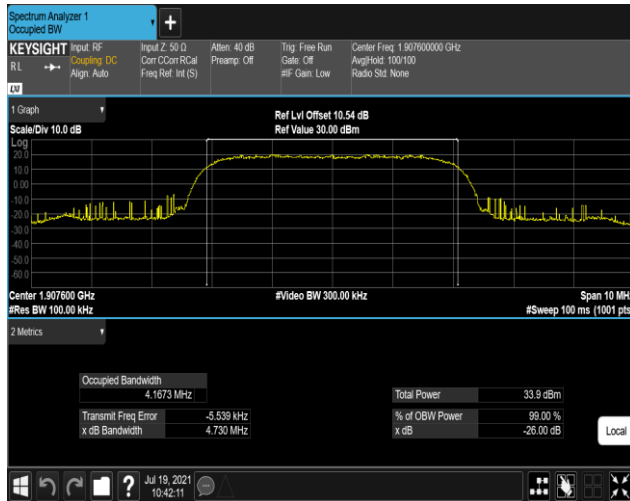
Band2-9262-4.707



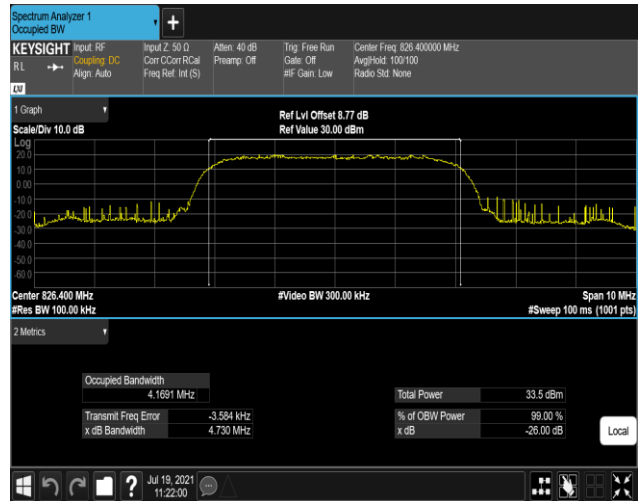
Band2-9400-4.722



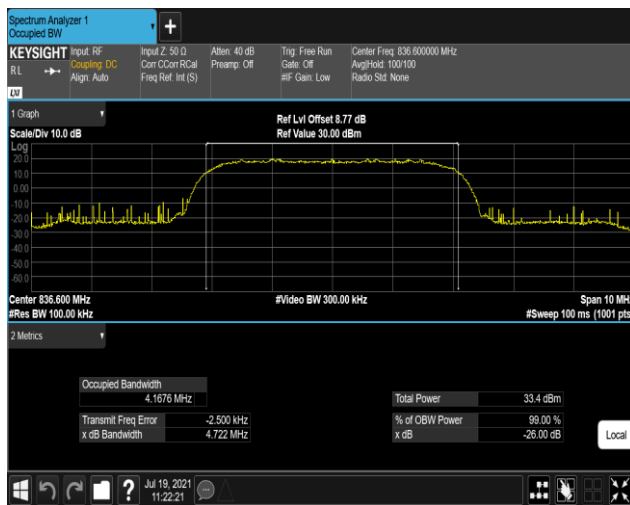
Band2-9538-4.730



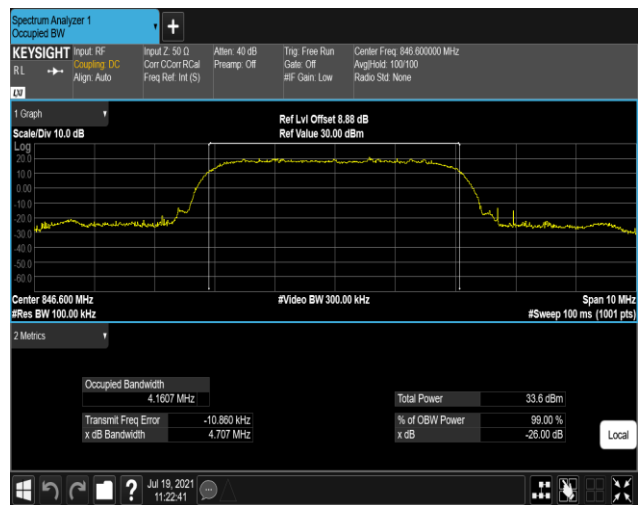
Band5-4132-4.730



Band5-4183-4.722



Band5-4233-4.707

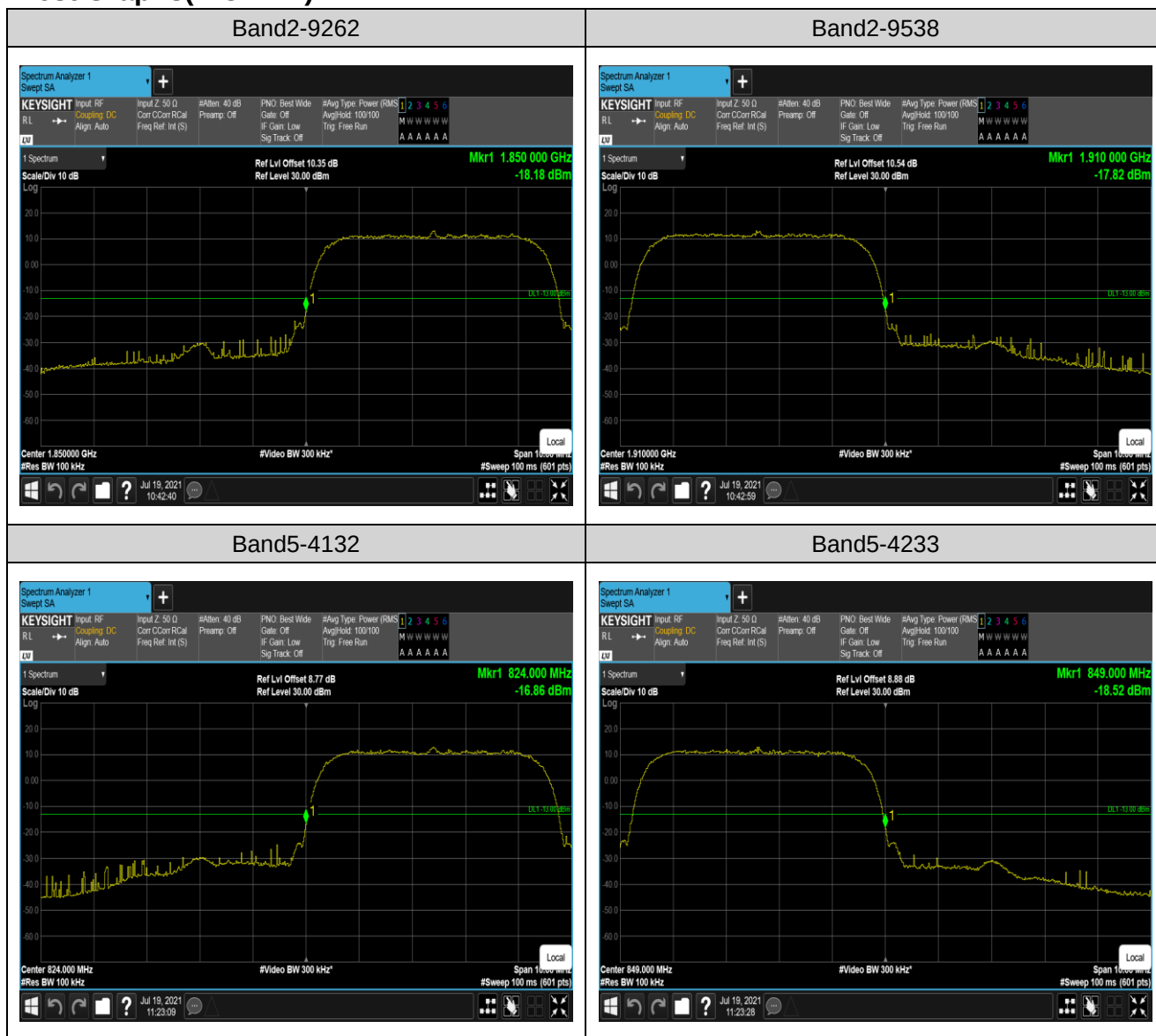


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.18	-13	PASS
Band2	9538	1910.00	-17.82	-13	PASS
Band5	4132	824.00	-16.86	-13	PASS
Band5	4233	849.00	-18.52	-13	PASS

Test Graphs(WCDMA)

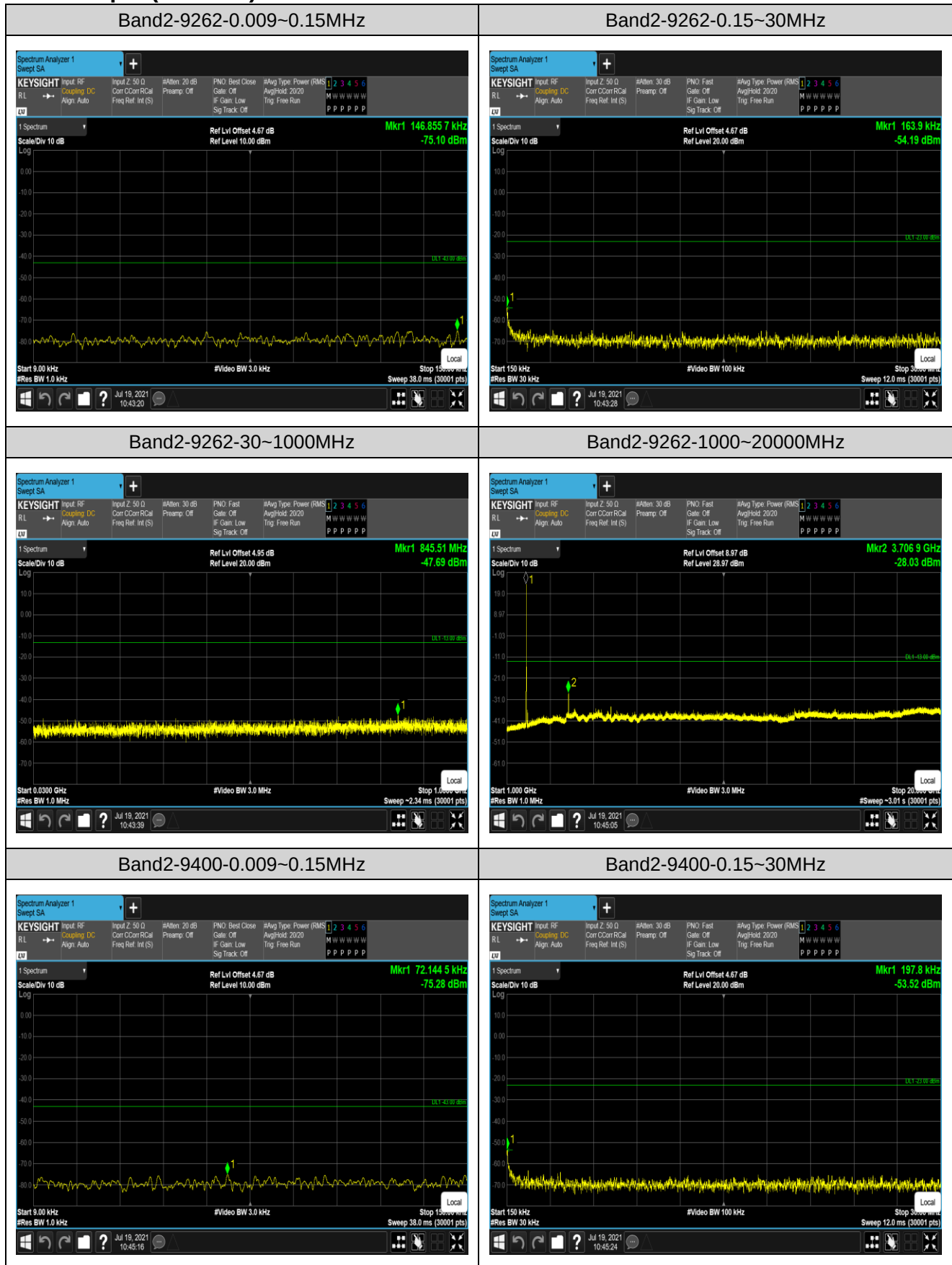


AppendixE:Conducted SpuriousEmission

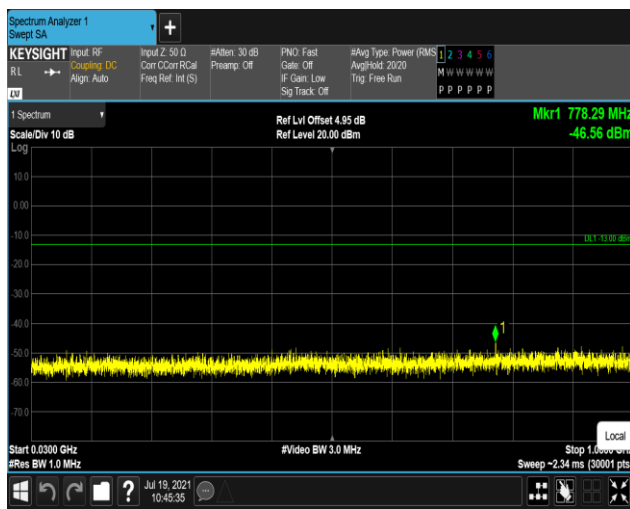
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.15	-75.1	-43	PASS
Band2	9262	0.15~30MHz	0.16	-54.19	-23	PASS
Band2	9262	30~1000MHz	845.51	-47.69	-13	PASS
Band2	9262	1000~20000MHz	3706.87	-28.04	-13	PASS
Band2	9400	0.009~0.15MHz	0.07	-75.28	-43	PASS
Band2	9400	0.15~30MHz	0.2	-53.52	-23	PASS
Band2	9400	30~1000MHz	778.29	-46.56	-13	PASS
Band2	9400	1000~20000MHz	3758.17	-28.92	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-74.55	-43	PASS
Band2	9538	0.15~30MHz	0.15	-54.55	-23	PASS
Band2	9538	30~1000MHz	867.14	-47.76	-13	PASS
Band2	9538	1000~20000MHz	3817.07	-28.75	-13	PASS
Band5	4132	0.009~0.15MHz	0.14	-74.9	-33	PASS
Band5	4132	0.15~30MHz	0.16	-52.72	-13	PASS
Band5	4132	30~1000MHz	964.95	-57.63	-13	PASS
Band5	4132	1000~10000MHz	4014.1	-35.54	-13	PASS
Band5	4183	0.009~0.15MHz	0.13	-74.76	-33	PASS
Band5	4183	0.15~30MHz	0.15	-52.77	-13	PASS
Band5	4183	30~1000MHz	960.94	-56.81	-13	PASS
Band5	4183	1000~10000MHz	3760.9	-35.85	-13	PASS
Band5	4233	0.009~0.15MHz	0.13	-75.01	-33	PASS
Band5	4233	0.15~30MHz	0.15	-54.31	-13	PASS
Band5	4233	30~1000MHz	477.01	-57.58	-13	PASS
Band5	4233	1000~10000MHz	9110.2	-35.93	-13	PASS

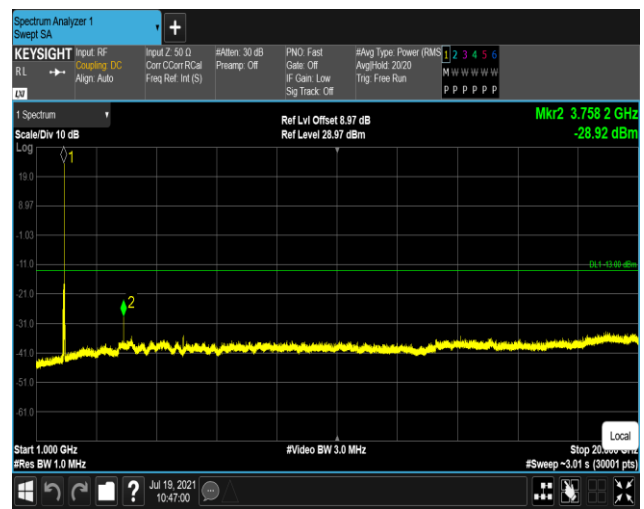
Test Graphs(WCDMA)



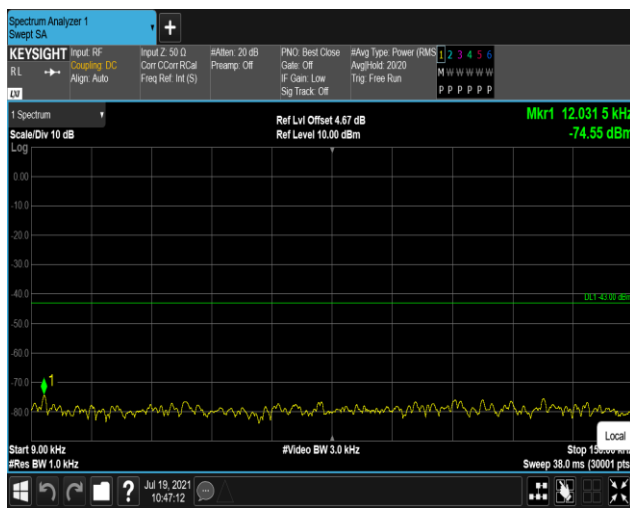
Band2-9400-30~1000MHz



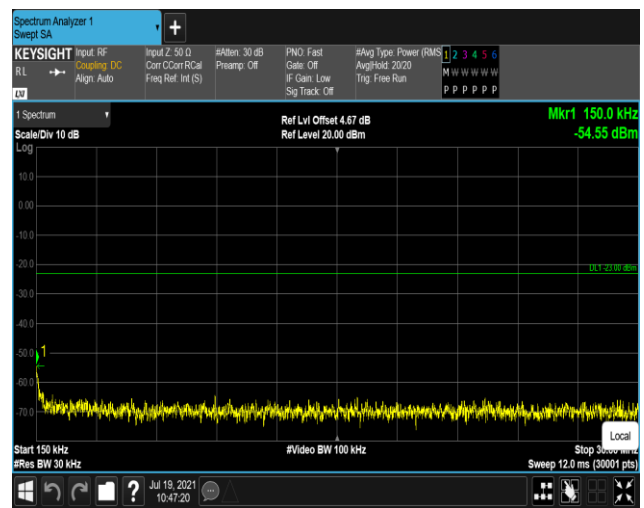
Band2-9400-1000~20000MHz



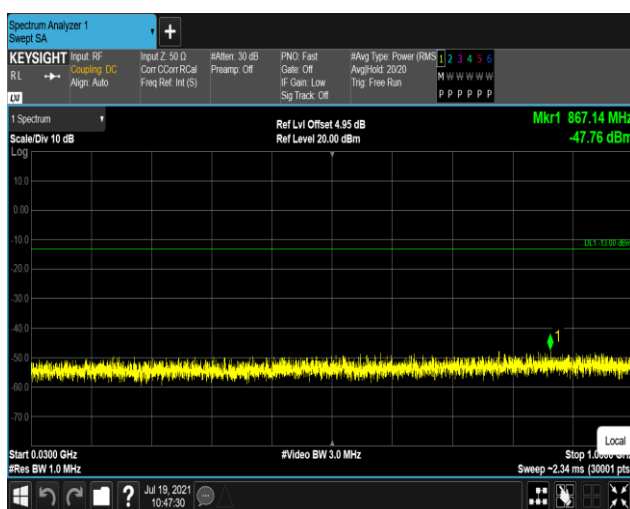
Band2-9538-0.009~0.15MHz



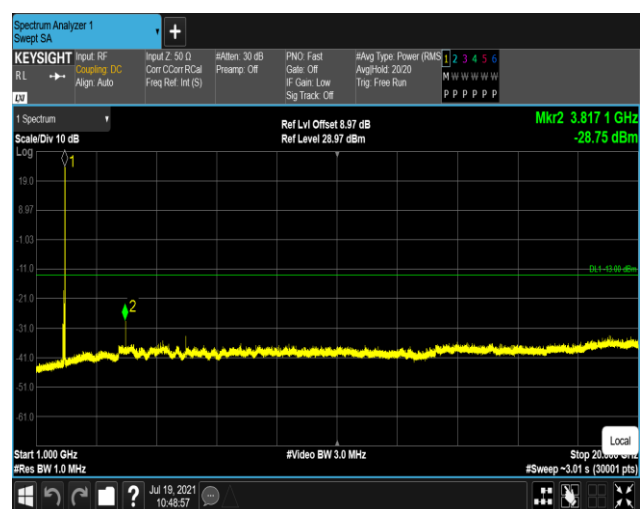
Band2-9538-0.15~30MHz



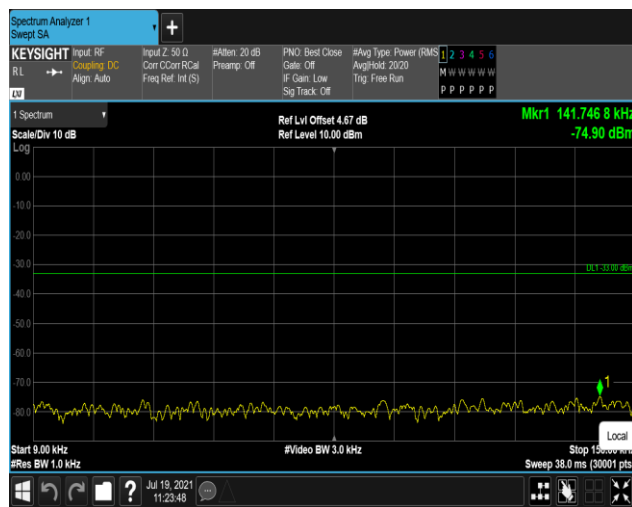
Band2-9538-30~1000MHz



Band2-9538-1000~20000MHz



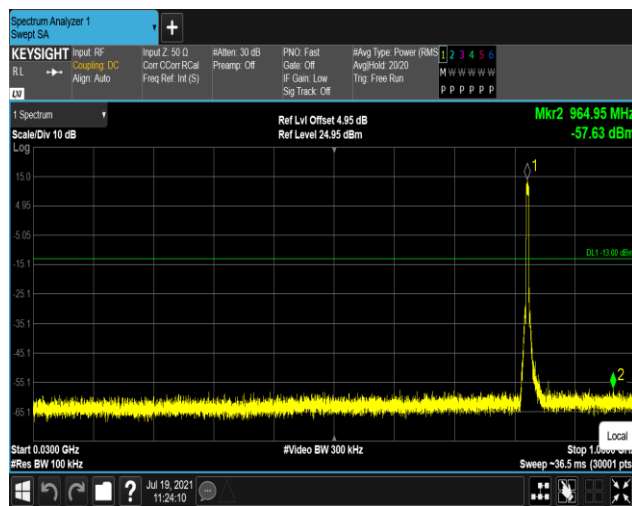
Band5-4132-0.009~0.15MHz



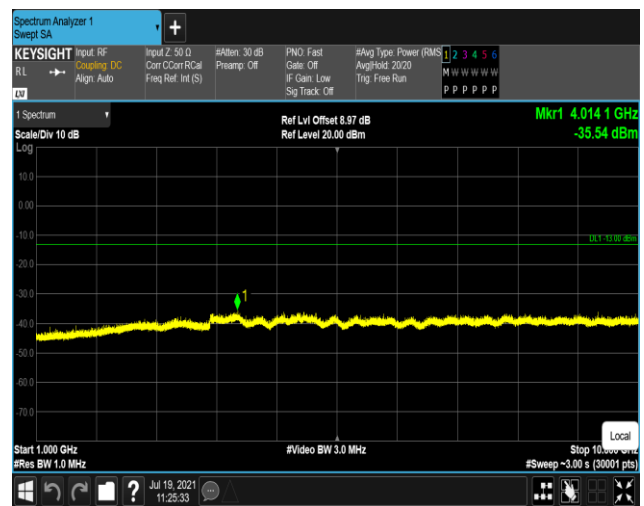
Band5-4132-0.15~30MHz



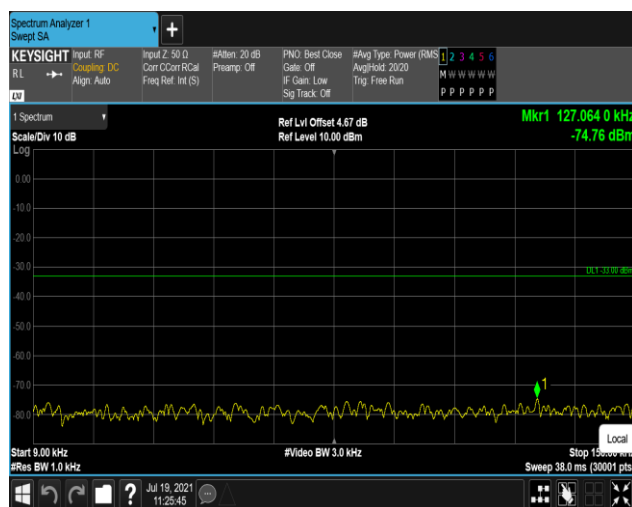
Band5-4132-30~1000MHz



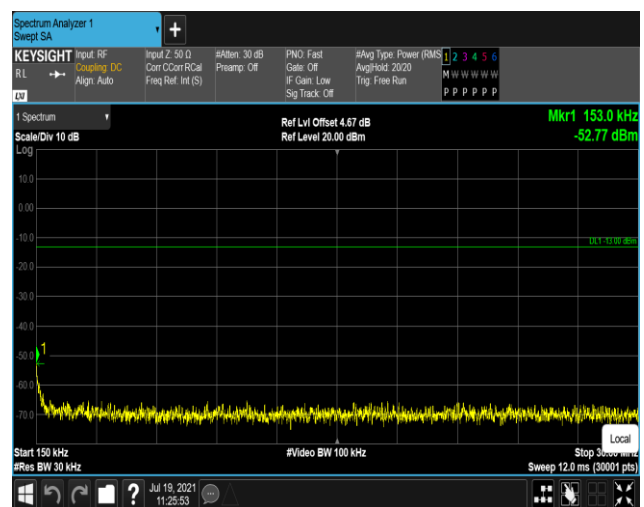
Band5-4132-1000~10000MHz

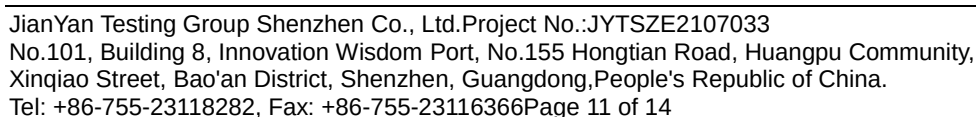


Band5-4183-0.009~0.15MHz



Band5-4183-0.15~30MHz





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	-11.92	-0.006340	Within authorized band for BAND II	Pass
	-20	-7.37	-0.003920		
	-10	-10.23	-0.005441		
	0	-7.72	-0.004106		
	10	-9.01	-0.004793		
	20	-11.47	-0.006101		
	30	-13.10	-0.006968		
	40	-13.98	-0.007436		
	50	-8.73	-0.004644		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-12.14	-0.006457	Within authorized band for BAND II	Pass
	3.85	-10.74	-0.005713		
	4.40	-13.21	-0.007027		
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	-12.17	-0.014547	±2.5	Pass
	-20	-9.14	-0.010925		
	-10	-11.94	-0.014272		
	0	-8.05	-0.009622		
	10	-14.00	-0.016734		
	20	-12.85	-0.015360		
	30	-7.95	-0.009503		
	40	-8.93	-0.010674		
	50	-9.16	-0.010949		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-11.12	-0.013292	±2.5	Pass
	3.85	-10.80	-0.012909		
	4.40	-10.21	-0.012204		
Remark:All channel had been tested, but only the worst case data displayed in this report.					

AppendixG: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

