

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	TestMode	9262	21.68	22.55	33	PASS
Band2	Voice	9262	21.83	22.70	33	PASS
Band2	TestMode	9400	20.73	21.60	33	PASS
Band2	Voice	9400	20.64	21.51	33	PASS
Band2	TestMode	9538	21.63	22.50	33	PASS
Band2	Voice	9538	21.50	22.37	33	PASS
Band5	Voice	4132	22.96	22.04	38.5	PASS
Band5	TestMode	4132	22.95	22.03	38.5	PASS
Band5	Voice	4183	21.41	20.49	38.5	PASS
Band5	TestMode	4183	21.64	20.72	38.5	PASS
Band5	Voice	4233	22.17	21.25	38.5	PASS
Band5	TestMode	4233	22.28	21.36	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.46	20.33	33	PASS
Band2	9262	2	18.85	19.72	33	PASS
Band2	9262	3	18.13	19.00	33	PASS
Band2	9262	4	19.04	19.91	33	PASS
Band2	9400	1	19.11	19.98	33	PASS
Band2	9400	2	18.59	19.46	33	PASS
Band2	9400	3	18.83	19.70	33	PASS
Band2	9400	4	18.60	19.47	33	PASS
Band2	9538	1	19.37	20.24	33	PASS
Band2	9538	2	19.01	19.88	33	PASS
Band2	9538	3	18.64	19.51	33	PASS
Band2	9538	4	18.73	19.60	33	PASS
Band5	4132	1	18.95	18.03	38.5	PASS
Band5	4132	2	20.03	19.11	38.5	PASS
Band5	4132	3	19.89	18.97	38.5	PASS
Band5	4132	4	19.46	18.54	38.5	PASS
Band5	4183	1	18.55	17.63	38.5	PASS
Band5	4183	2	18.73	17.81	38.5	PASS
Band5	4183	3	18.42	17.5	38.5	PASS

Band5	4183	4	18.67	17.75	38.5	PASS
Band5	4233	1	19.13	18.21	38.5	PASS
Band5	4233	2	19.47	18.55	38.5	PASS
Band5	4233	3	19.06	18.14	38.5	PASS
Band5	4233	4	18.80	17.88	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	18.09	18.96	33	PASS
Band2	9262	2	18.32	19.19	33	PASS
Band2	9262	3	17.69	18.56	33	PASS
Band2	9262	4	18.16	19.03	33	PASS
Band2	9262	5	21.38	22.25	33	PASS
Band2	9400	1	17.24	18.11	33	PASS
Band2	9400	2	17.44	18.31	33	PASS
Band2	9400	3	16.83	17.70	33	PASS
Band2	9400	4	17.29	18.16	33	PASS
Band2	9400	5	20.53	21.40	33	PASS
Band2	9538	1	18.09	18.96	33	PASS
Band2	9538	2	18.45	19.32	33	PASS
Band2	9538	3	17.70	18.57	33	PASS
Band2	9538	4	18.18	19.05	33	PASS
Band2	9538	5	21.35	22.22	33	PASS
Band5	4132	1	18.99	18.07	38.5	PASS
Band5	4132	2	19.15	18.23	38.5	PASS
Band5	4132	3	19.16	18.24	38.5	PASS
Band5	4132	4	19.10	18.18	38.5	PASS
Band5	4132	5	22.83	21.91	38.5	PASS
Band5	4183	1	17.67	16.75	38.5	PASS
Band5	4183	2	17.87	16.95	38.5	PASS
Band5	4183	3	17.85	16.93	38.5	PASS
Band5	4183	4	17.78	16.86	38.5	PASS
Band5	4183	5	21.44	20.52	38.5	PASS
Band5	4233	1	18.41	17.49	38.5	PASS
Band5	4233	2	18.60	17.68	38.5	PASS
Band5	4233	3	18.57	17.65	38.5	PASS
Band5	4233	4	18.56	17.64	38.5	PASS
Band5	4233	5	22.22	21.3	38.5	PASS

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

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

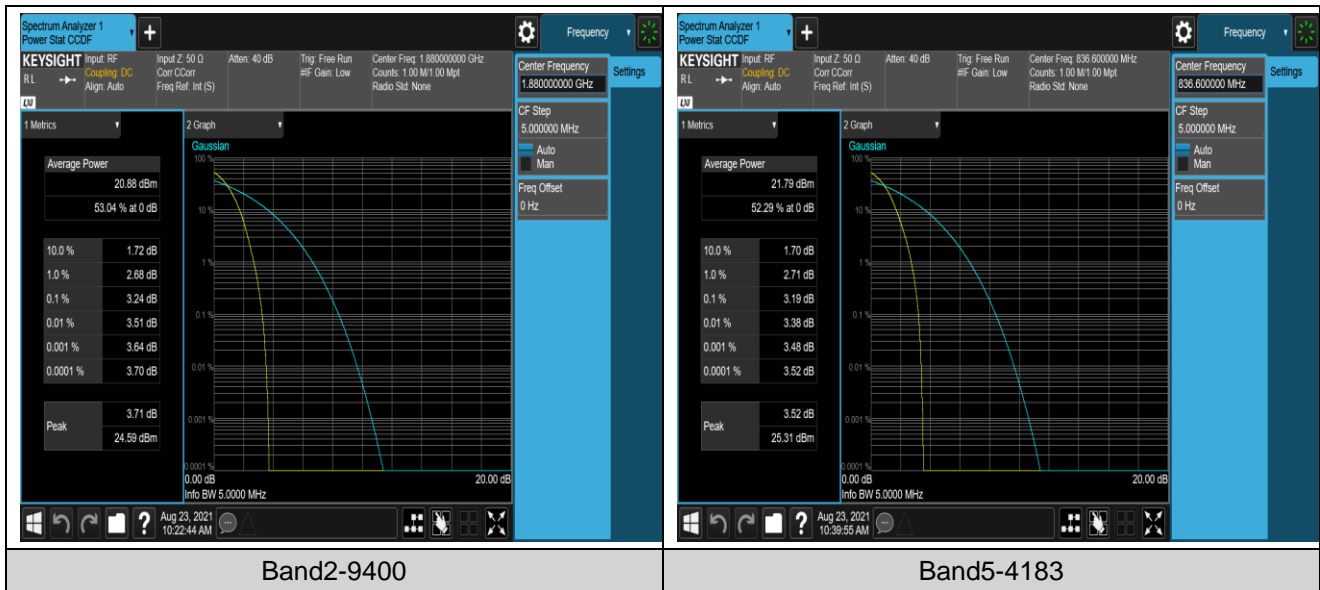
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.24	13	PASS
Band5	4183	3.19	13	PASS

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

Test Graphs(WCDMA)

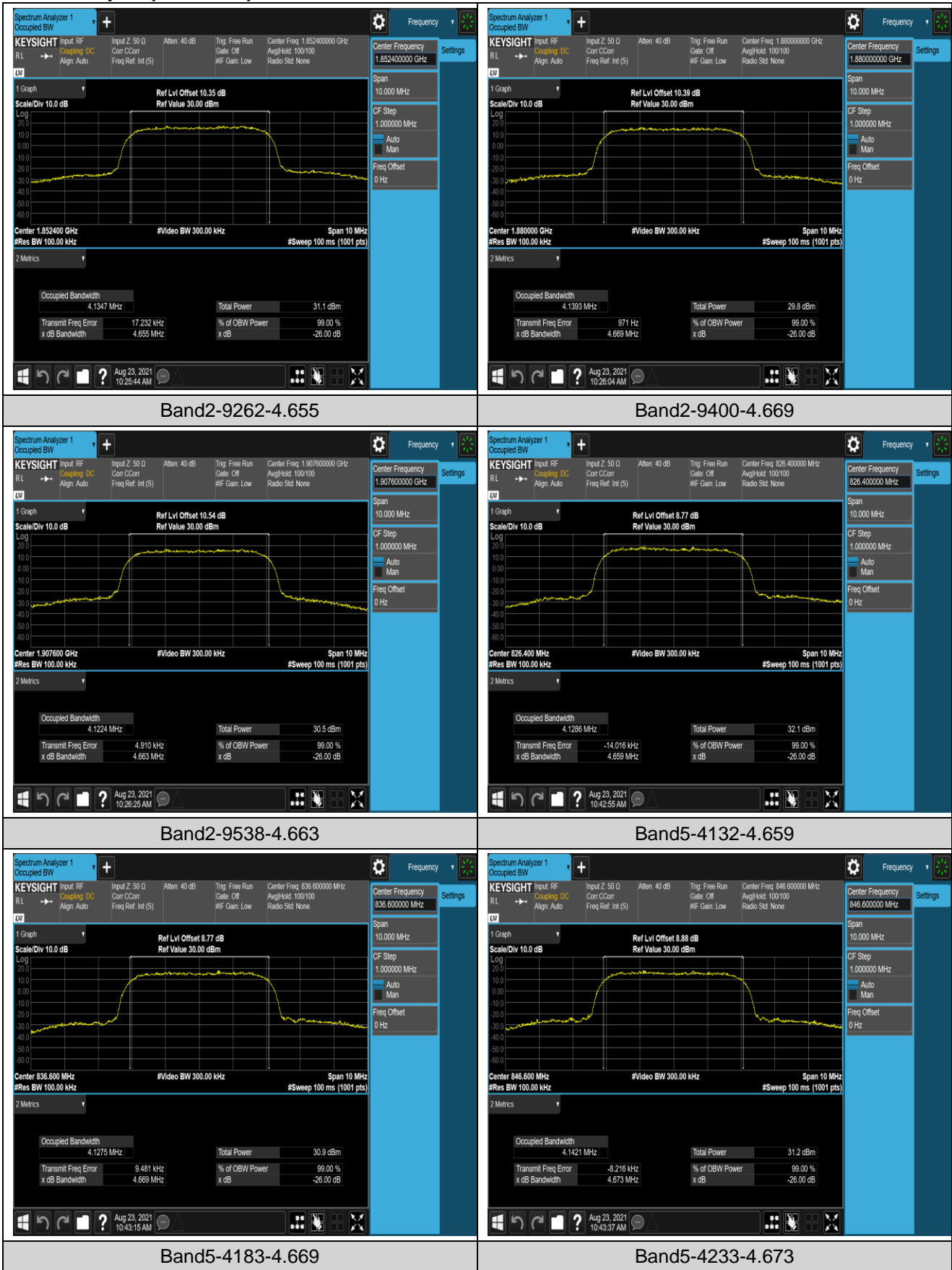


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1347	4.655	---	PASS
Band2	9400	4.1393	4.669	---	PASS
Band2	9538	4.1224	4.663	---	PASS
Band5	4132	4.1286	4.659	---	PASS
Band5	4183	4.1275	4.669	---	PASS
Band5	4233	4.1421	4.673	---	PASS

Test Graphs(WCDMA)

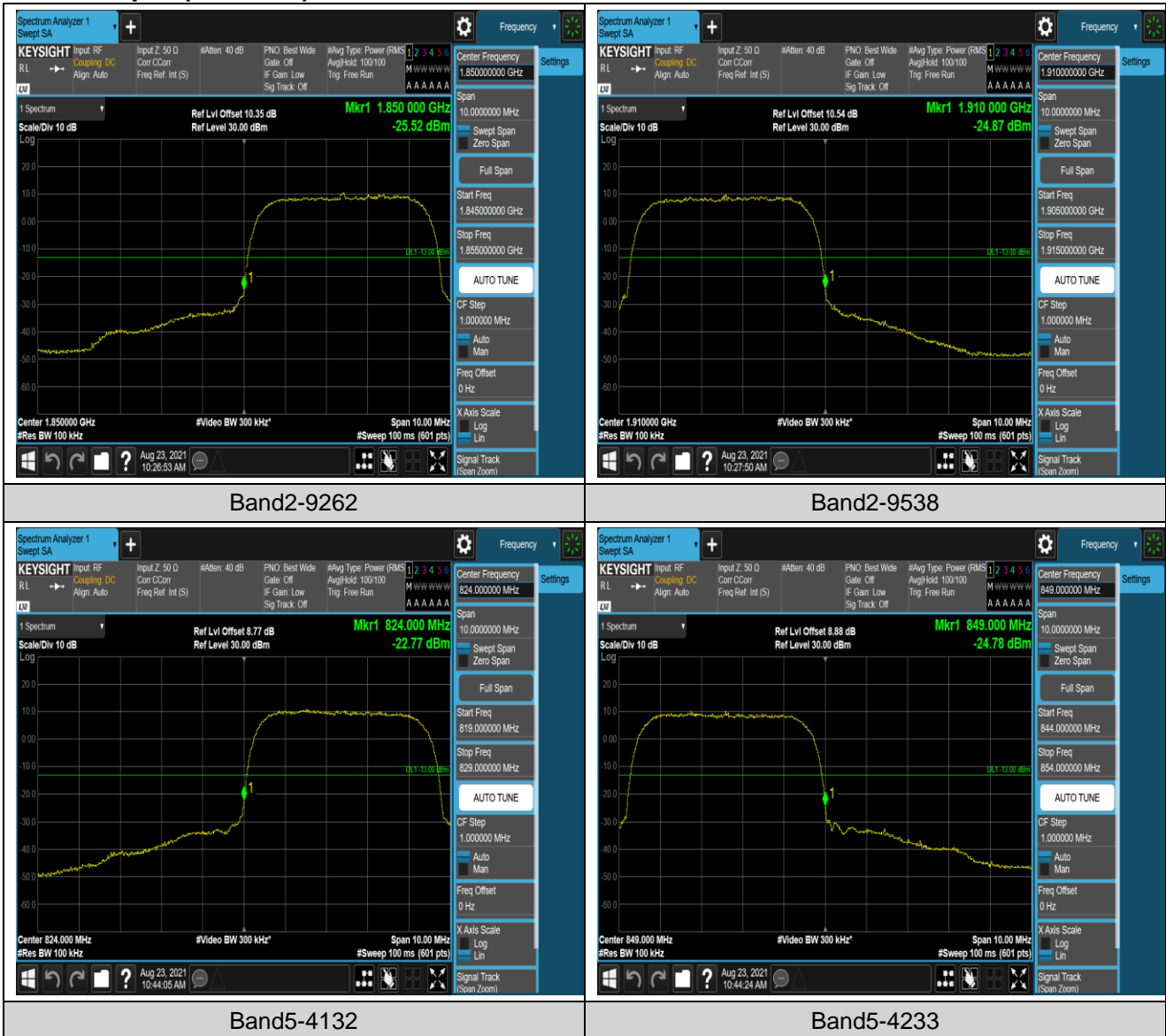


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-25.52	-13	PASS
Band2	9538	1910.00	-24.87	-13	PASS
Band5	4132	824.00	-22.77	-13	PASS
Band5	4233	849.00	-24.78	-13	PASS

Test Graphs(WCDMA)

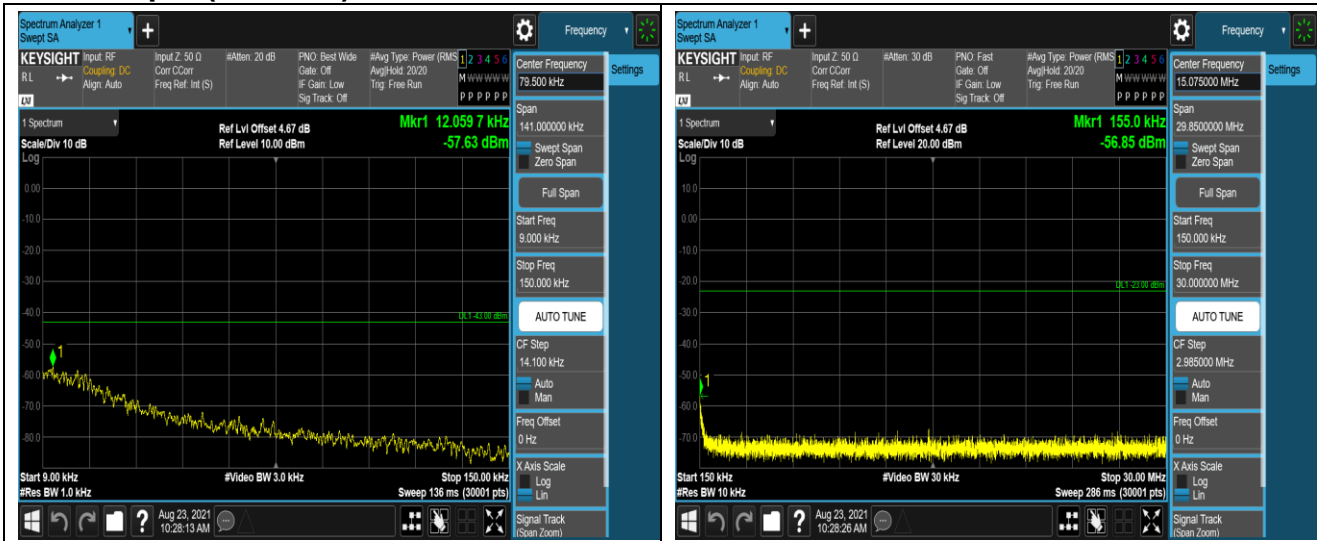


Appendix E: Conducted Spurious Emission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.63	-43	PASS
Band2	9262	0.15~30MHz	0.15	-56.85	-23	PASS
Band2	9262	30~1000MHz	879.43	-46.73	-13	PASS
Band2	9262	1000~20000MHz	19492.7	-33.53	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.67	-43	PASS
Band2	9400	0.15~30MHz	0.16	-57.74	-23	PASS
Band2	9400	30~1000MHz	924.11	-47.92	-13	PASS
Band2	9400	1000~20000MHz	19428.1	-33.74	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.73	-43	PASS
Band2	9538	0.15~30MHz	0.2	-57.79	-23	PASS
Band2	9538	30~1000MHz	844.22	-47.34	-13	PASS
Band2	9538	1000~20000MHz	19312.83	-34.68	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.15	-33	PASS
Band5	4132	0.15~30MHz	0.15	-57.51	-13	PASS
Band5	4132	30~1000MHz	942.48	-56.06	-13	PASS
Band5	4132	1000~10000MHz	1650.7	-32.59	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.12	-33	PASS
Band5	4183	0.15~30MHz	0.16	-56.45	-13	PASS
Band5	4183	30~1000MHz	977.24	-56.57	-13	PASS
Band5	4183	1000~10000MHz	1671.1	-32.21	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-57.01	-33	PASS
Band5	4233	0.15~30MHz	0.15	-57.13	-13	PASS
Band5	4233	30~1000MHz	994.6	-55.35	-13	PASS
Band5	4233	1000~10000MHz	1695.1	-33.56	-13	PASS

Test Graphs(WCDMA)



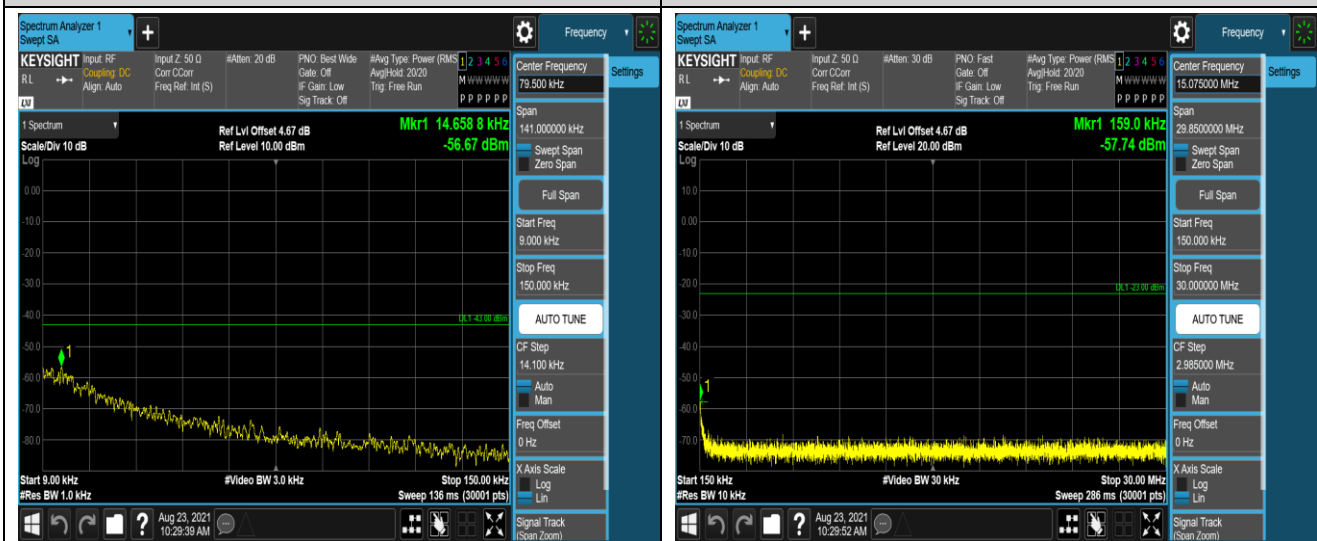
Band2-9262-0.009~0.15MHz

Band2-9262-0.15~30MHz



Band2-9262-30~1000MHz

Band2-9262-1000~20000MHz



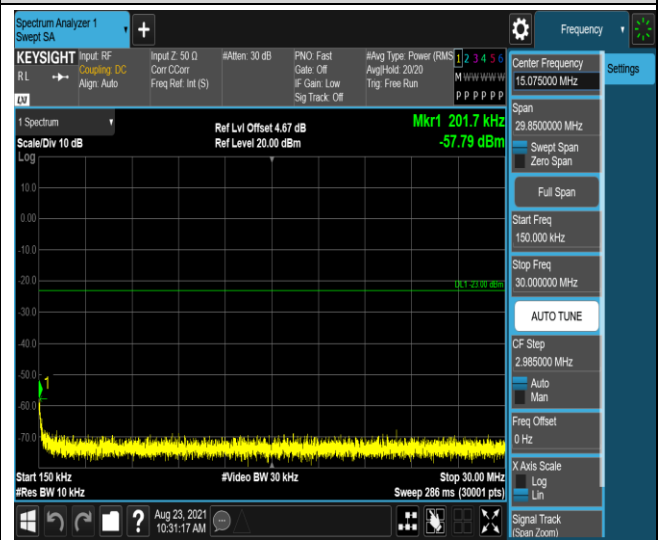
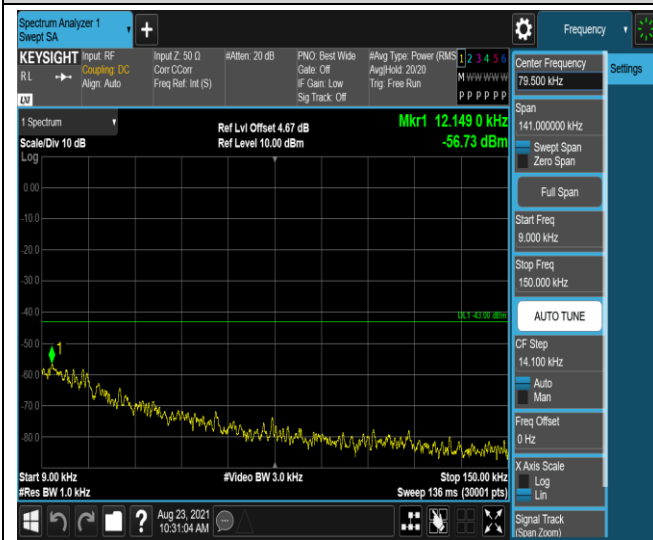
Band2-9400-0.009~0.15MHz

Band2-9400-0.15~30MHz



Band2-9400-30~1000MHz

Band2-9400-1000~20000MHz



Band2-9538-0.009~0.15MHz

Band2-9538-0.15~30MHz



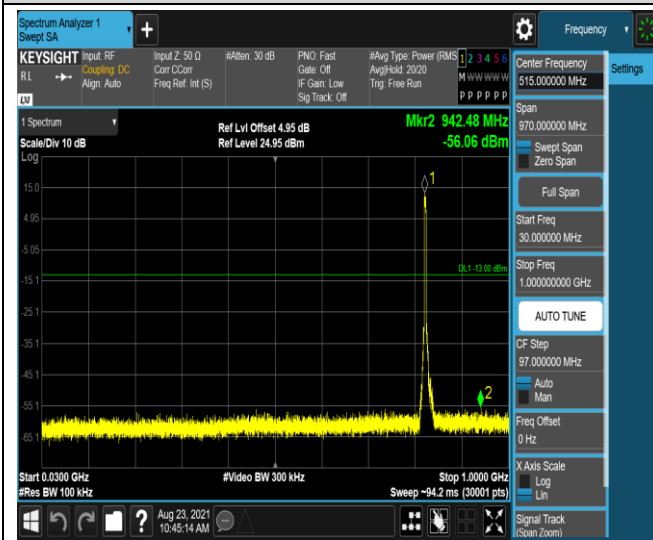
Band2-9538-30~1000MHz

Band2-9538-1000~20000MHz

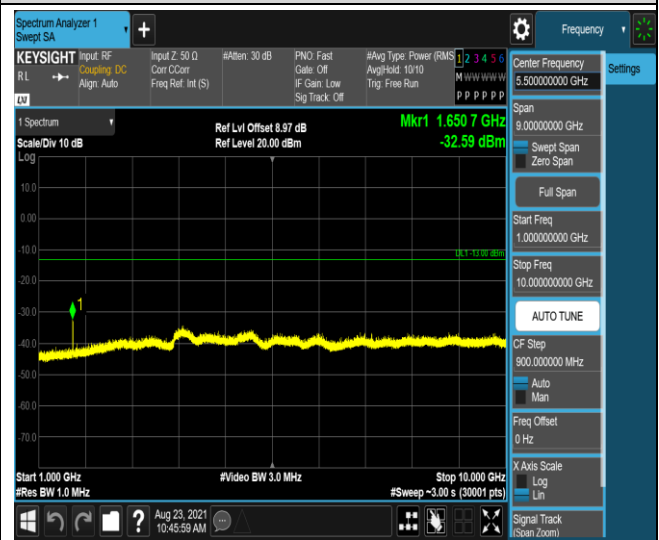


Band5-4132-0.009~0.15MHz

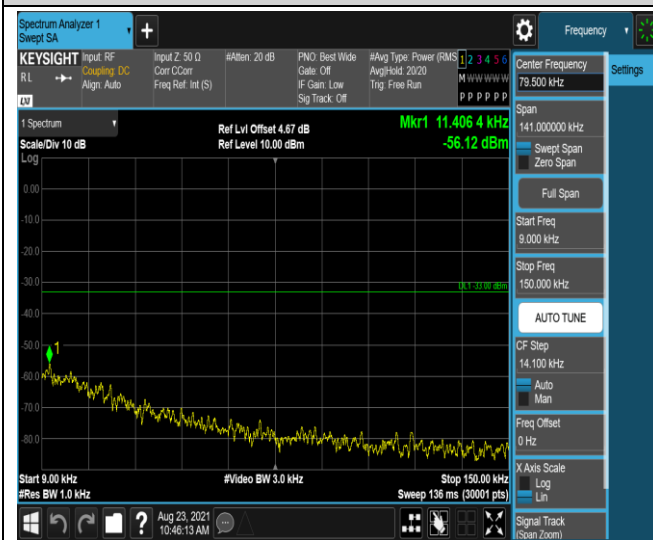
Band5-4132-0.15~30MHz



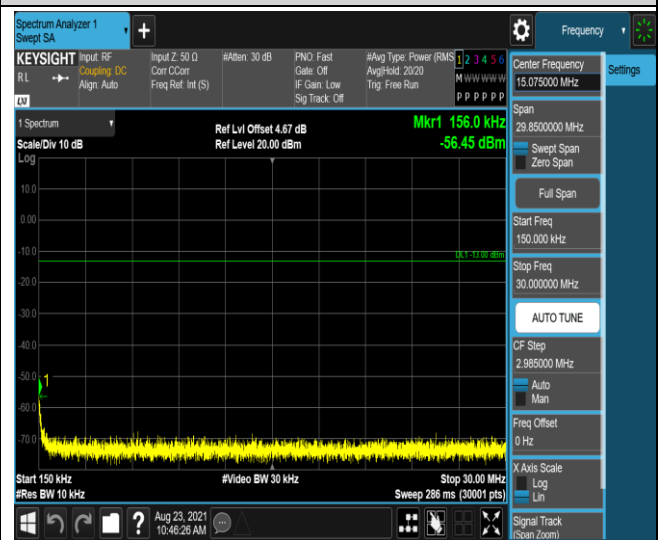
Band5-4132-30~1000MHz



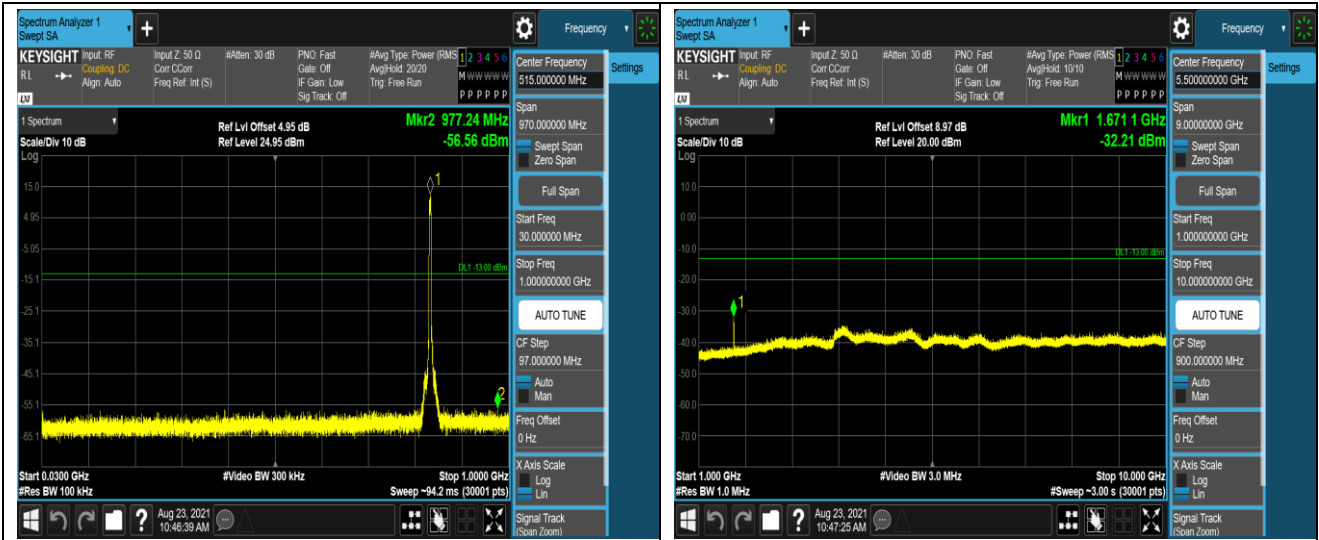
Band5-4132-1000~10000MHz



Band5-4183-0.009~0.15MHz

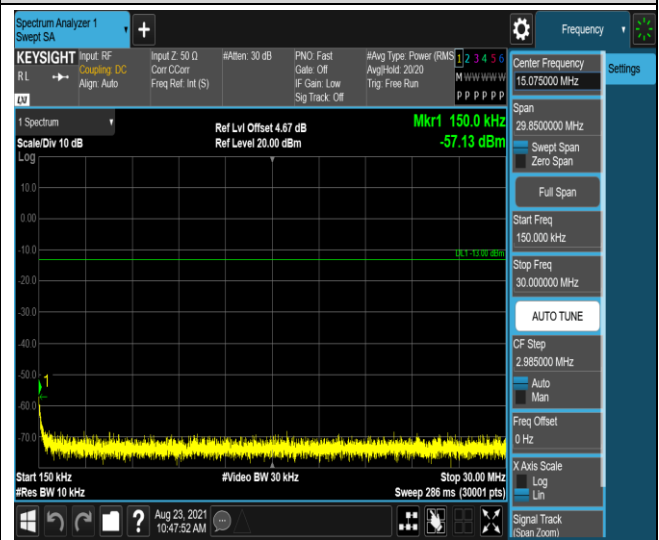
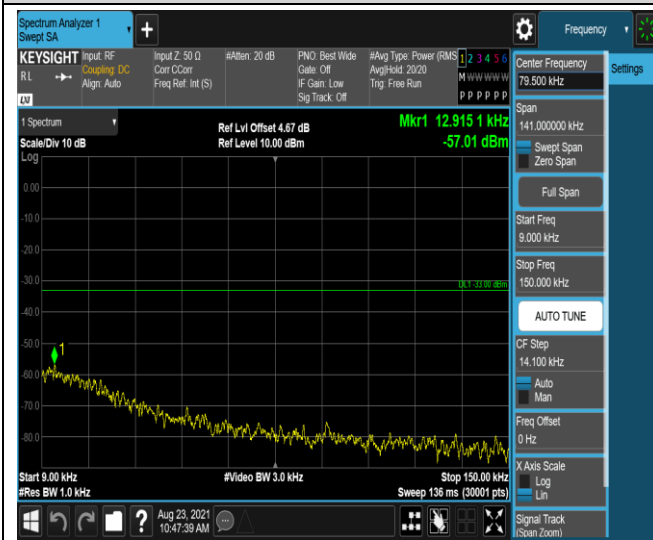


Band5-4183-0.15~30MHz



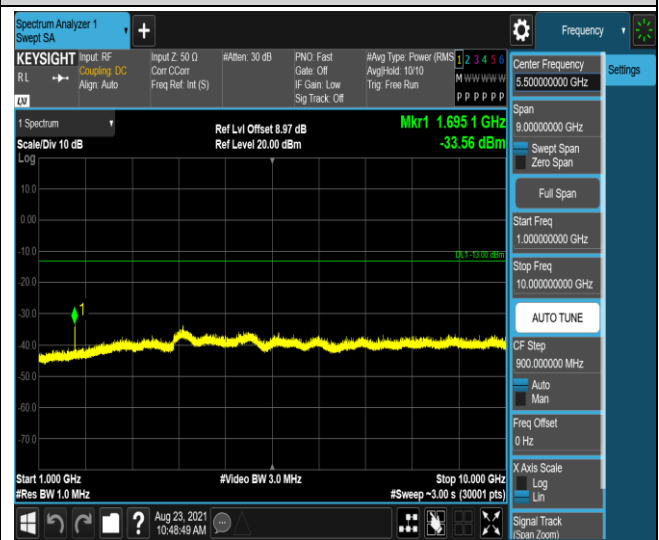
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



Band5-4233-0.009~0.15MHz

Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz

Band5-4233-1000~10000MHz

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		
3.80	-30	-0.19	-0.000227	±2.5	Pass
	-20	-0.04	-0.000048		
	-10	0.16	0.000191		
	0	-0.02	-0.000024		
	10	-0.01	-0.000012		
	20	-0.47	-0.000562		
	30	0.76	0.000908		
	40	0.06	0.000072		
	50	-0.37	-0.000442		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	0.34	0.000406	±2.5	Pass
	3.80	0.31	0.000371		
	4.20	-0.04	-0.000048		
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		
3.80	-30	0.60	0.000319	Within authorized band for BAND II	Pass
	-20	0.01	0.000005		
	-10	0.25	0.000133		
	0	1.39	0.000739		
	10	-0.06	-0.000032		
	20	-0.87	-0.000463		
	30	0.31	0.000165		
	40	0.45	0.000239		
	50	-1.00	-0.000532		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.07	-0.000037	Within authorized band for BAND II	Pass
	3.80	0.72	0.000383		
	4.20	0.06	0.000032		
<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
Band5	4183	PASS	PASS

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

Test Graphs

