

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	22.69	23.85	33	PASS
Band2	TestMode	9262	22.75	23.91	33	PASS
Band2	Voice	9400	22.68	23.84	33	PASS
Band2	TestMode	9400	22.76	23.92	33	PASS
Band2	Voice	9538	22.73	23.89	33	PASS
Band2	TestMode	9538	22.86	24.02	33	PASS
Band5	Voice	4132	22.71	21.79	38.5	PASS
Band5	TestMode	4132	22.79	21.87	38.5	PASS
Band5	Voice	4183	22.67	21.75	38.5	PASS
Band5	TestMode	4183	22.77	21.85	38.5	PASS
Band5	Voice	4233	22.69	21.77	38.5	PASS
Band5	TestMode	4233	22.76	21.84	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	ConductedPower (dBm)	ERP/EIRP (dBm)	ERP/EIRPLimit (dBm)	Verdict
Band2	9262	1	21.30	22.46	33	PASS
Band2	9262	2	20.73	21.89	33	PASS
Band2	9262	3	20.78	21.94	33	PASS
Band2	9262	4	20.75	21.91	33	PASS
Band2	9400	1	20.84	22.00	33	PASS
Band2	9400	2	20.23	21.39	33	PASS
Band2	9400	3	20.25	21.41	33	PASS
Band2	9400	4	20.22	21.38	33	PASS
Band2	9538	1	21.03	22.19	33	PASS
Band2	9538	2	20.51	21.67	33	PASS
Band2	9538	3	20.56	21.72	33	PASS
Band2	9538	4	20.58	21.74	33	PASS
Band5	4132	1	21.75	20.83	38.5	PASS
Band5	4132	2	21.40	20.48	38.5	PASS
Band5	4132	3	21.31	20.39	38.5	PASS
Band5	4132	4	21.27	20.35	38.5	PASS
Band5	4183	1	21.72	20.8	38.5	PASS
Band5	4183	2	21.36	20.44	38.5	PASS
Band5	4183	3	21.29	20.37	38.5	PASS

Band5	4183	4	21.26	20.34	38.5	PASS
Band5	4233	1	21.66	20.74	38.5	PASS
Band5	4233	2	21.30	20.38	38.5	PASS
Band5	4233	3	21.21	20.29	38.5	PASS
Band5	4233	4	21.18	20.26	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.25	20.41	33	PASS
Band2	9262	2	19.74	20.90	33	PASS
Band2	9262	3	20.25	21.41	33	PASS
Band2	9262	4	19.21	20.37	33	PASS
Band2	9262	5	21.26	22.42	33	PASS
Band2	9400	1	18.73	19.89	33	PASS
Band2	9400	2	19.28	20.44	33	PASS
Band2	9400	3	19.86	21.02	33	PASS
Band2	9400	4	18.82	19.98	33	PASS
Band2	9400	5	20.73	21.89	33	PASS
Band2	9538	1	19.12	20.28	33	PASS
Band2	9538	2	19.58	20.74	33	PASS
Band2	9538	3	20.05	21.21	33	PASS
Band2	9538	4	19.08	20.24	33	PASS
Band2	9538	5	20.97	22.13	33	PASS
Band5	4132	1	19.80	18.88	38.5	PASS
Band5	4132	2	20.30	19.38	38.5	PASS
Band5	4132	3	20.85	19.93	38.5	PASS
Band5	4132	4	19.82	18.90	38.5	PASS
Band5	4132	5	21.74	20.82	38.5	PASS
Band5	4183	1	19.79	18.87	38.5	PASS
Band5	4183	2	20.29	19.37	38.5	PASS
Band5	4183	3	20.81	19.89	38.5	PASS
Band5	4183	4	19.83	18.91	38.5	PASS
Band5	4183	5	21.73	20.81	38.5	PASS
Band5	4233	1	19.83	18.91	38.5	PASS
Band5	4233	2	20.26	19.34	38.5	PASS
Band5	4233	3	20.75	19.83	38.5	PASS
Band5	4233	4	19.82	18.90	38.5	PASS
Band5	4233	5	21.30	20.38	38.5	PASS

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

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

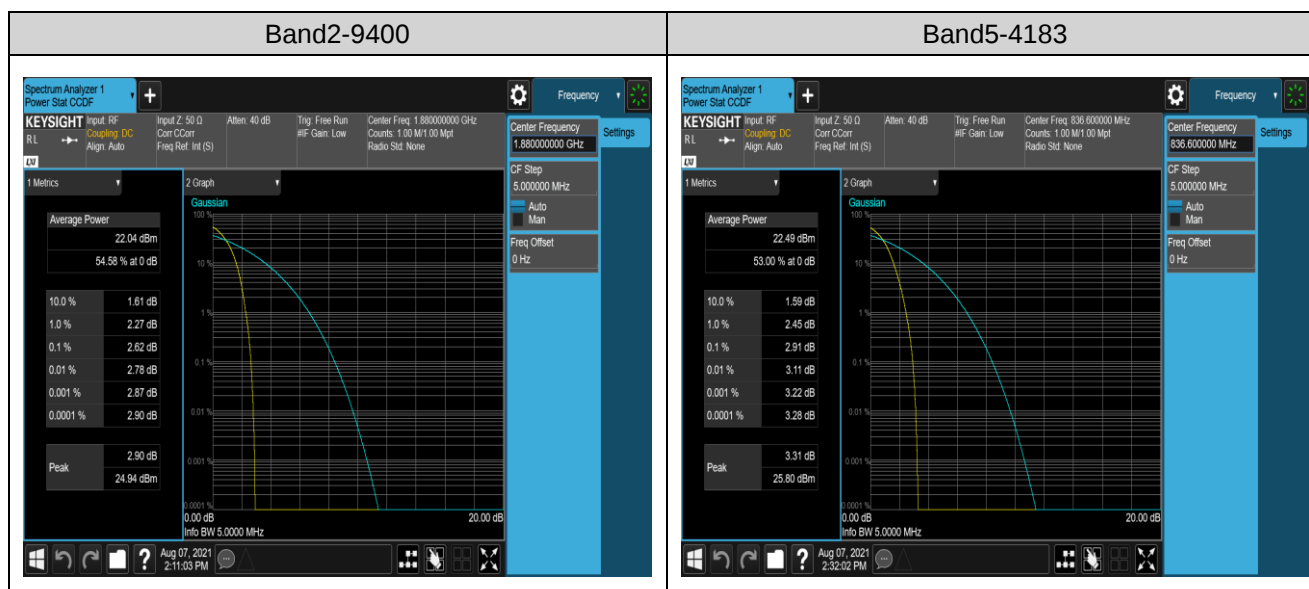
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.62	13	PASS
Band5	4183	2.91	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	4.1666	4.709	---	PASS
Band2	9400	4.1705	4.707	---	PASS
Band2	9538	4.1768	4.748	---	PASS
Band5	4132	4.1635	4.676	---	PASS
Band5	4183	4.1527	4.688	---	PASS
Band5	4233	4.1680	4.682	---	PASS

Test Graphs(WCDMA)

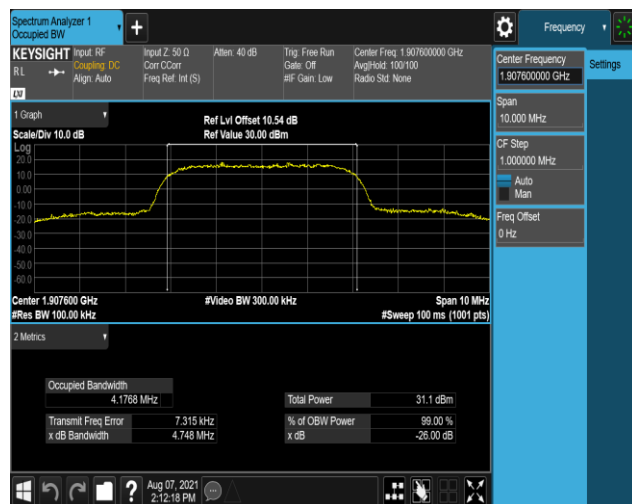
Band2-9262-4.709



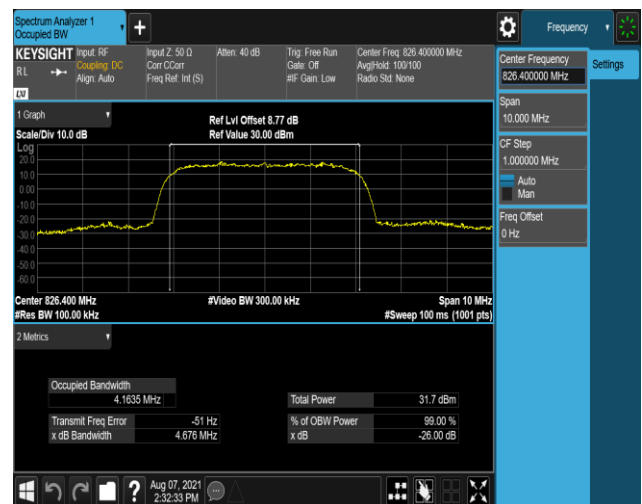
Band2-9400-4.707



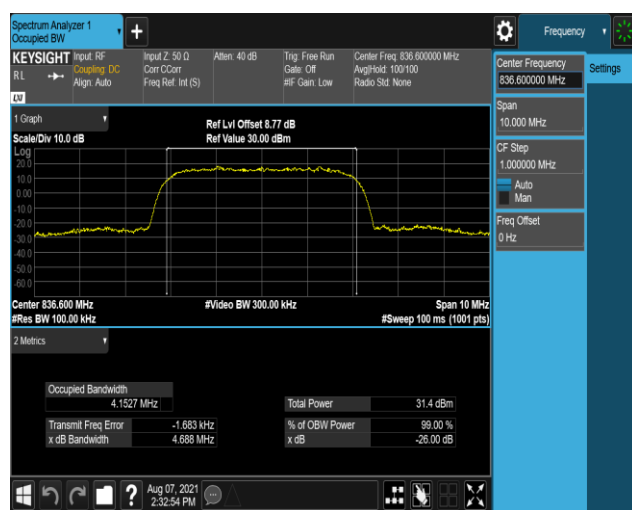
Band2-9538-4.748



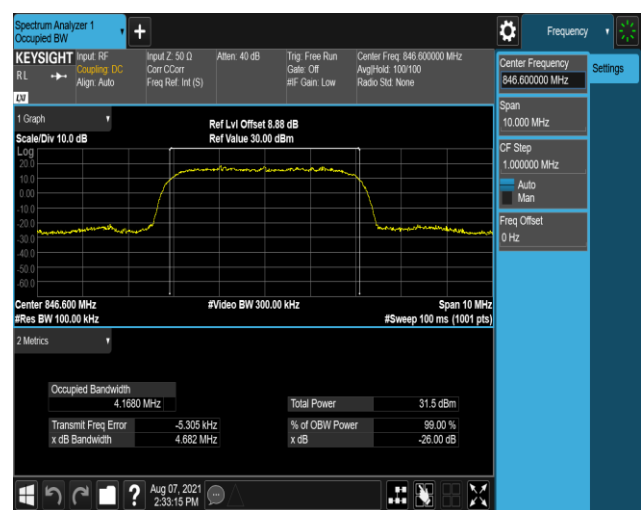
Band5-4132-4.676



Band5-4183-4.688



Band5-4233-4.682

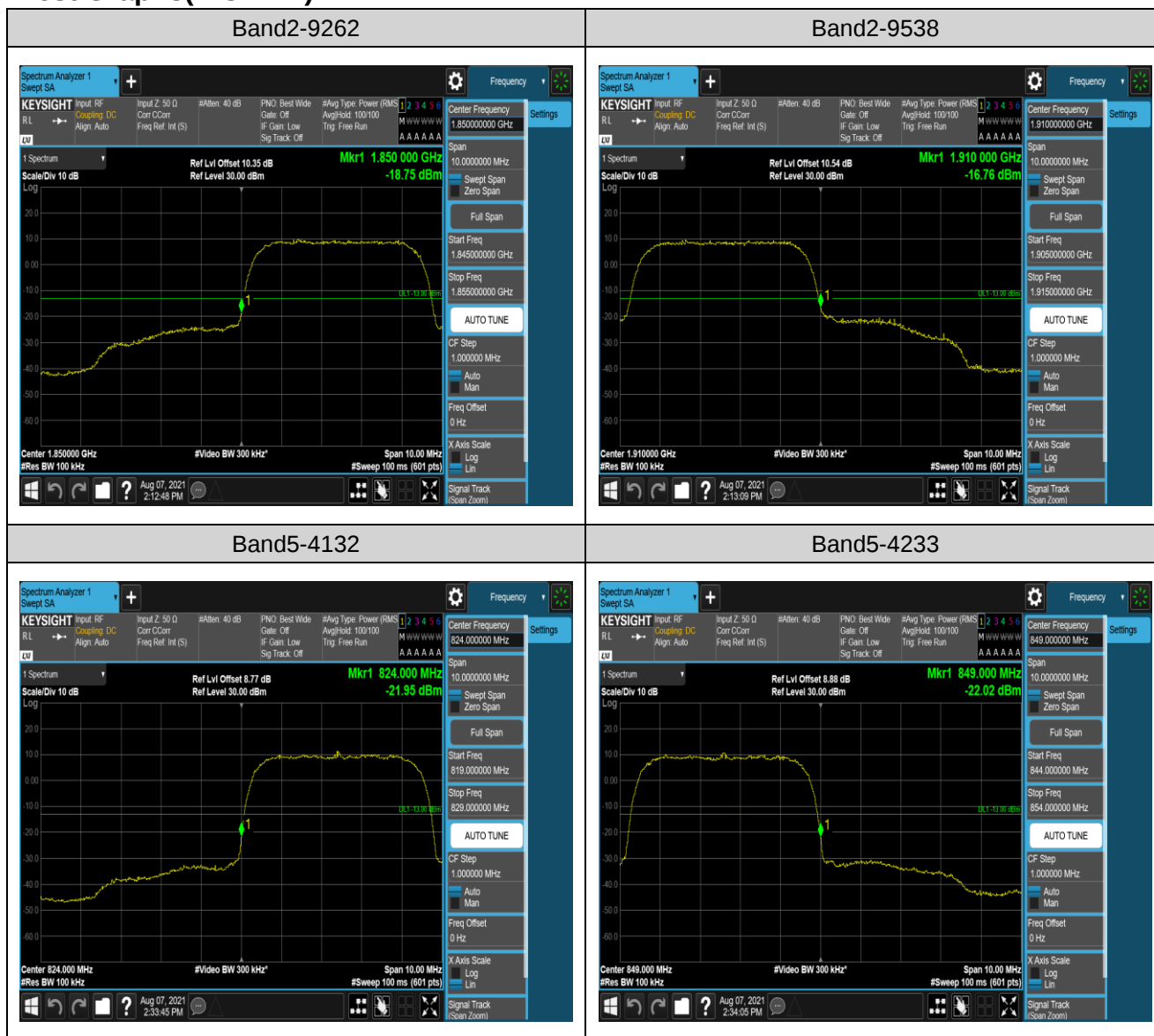


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.75	-13	PASS
Band2	9538	1910.00	-16.76	-13	PASS
Band5	4132	824.00	-21.95	-13	PASS
Band5	4233	849.00	-22.02	-13	PASS

Test Graphs(WCDMA)



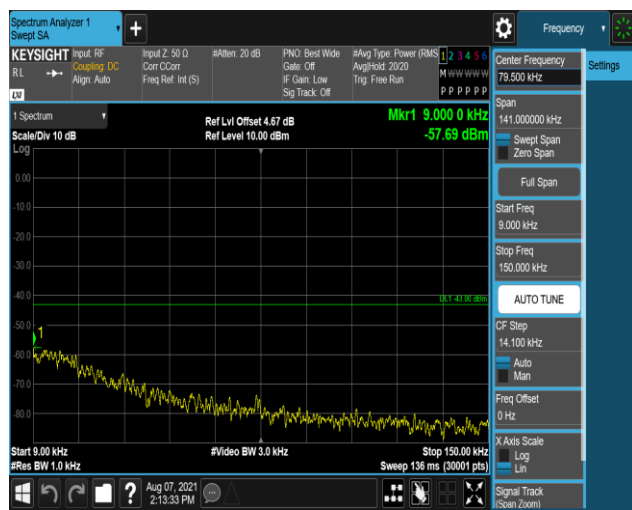
AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

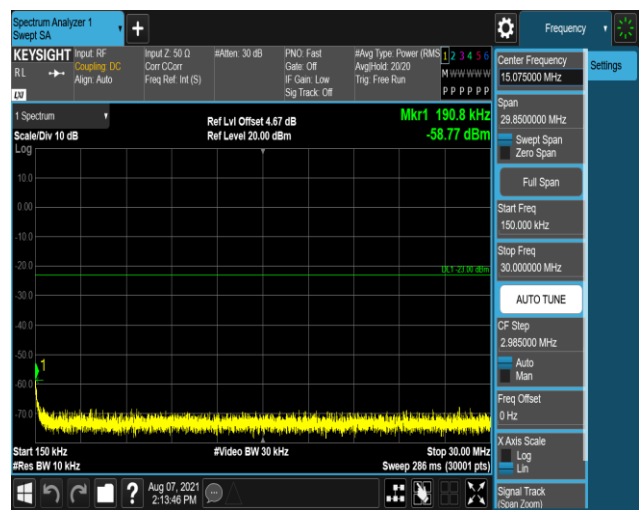
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-57.69	-43	PASS
Band2	9262	0.15~30MHz	0.19	-58.77	-23	PASS
Band2	9262	30~1000MHz	988.33	-46.3	-13	PASS
Band2	9262	1000~20000MHz	3864.57	-34.02	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.31	-43	PASS
Band2	9400	0.15~30MHz	0.15	-57.24	-23	PASS
Band2	9400	30~1000MHz	870.02	-46.72	-13	PASS
Band2	9400	1000~20000MHz	19963.9	-35.05	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-57.29	-43	PASS
Band2	9538	0.15~30MHz	0.15	-56.08	-23	PASS
Band2	9538	30~1000MHz	921.62	-46.48	-13	PASS
Band2	9538	1000~20000MHz	19240.63	-35.12	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.72	-33	PASS
Band5	4132	0.15~30MHz	0.16	-59.01	-13	PASS
Band5	4132	30~1000MHz	955.06	-55.88	-13	PASS
Band5	4132	1000~10000MHz	3814	-34.7	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.71	-33	PASS
Band5	4183	0.15~30MHz	0.17	-57.61	-13	PASS
Band5	4183	30~1000MHz	507.3	-56.42	-13	PASS
Band5	4183	1000~10000MHz	3840.4	-34.94	-13	PASS
Band5	4233	0.009~0.15MHz	0.02	-56.37	-33	PASS
Band5	4233	0.15~30MHz	0.15	-55.73	-13	PASS
Band5	4233	30~1000MHz	735.13	-56.06	-13	PASS
Band5	4233	1000~10000MHz	3821.8	-34.59	-13	PASS

Test Graphs(WCDMA)

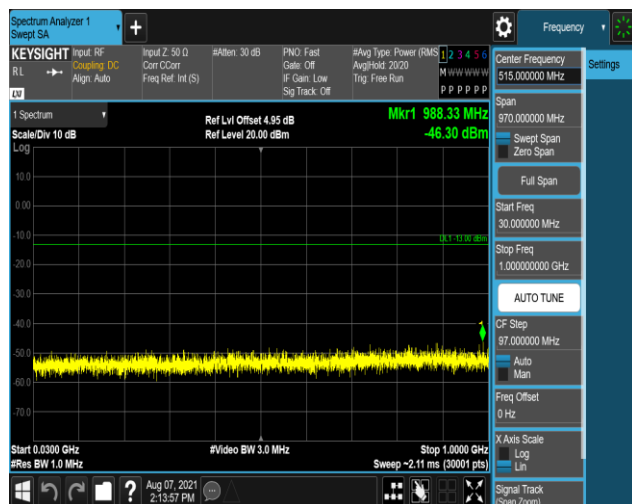
Band2-9262-0.009~0.15MHz



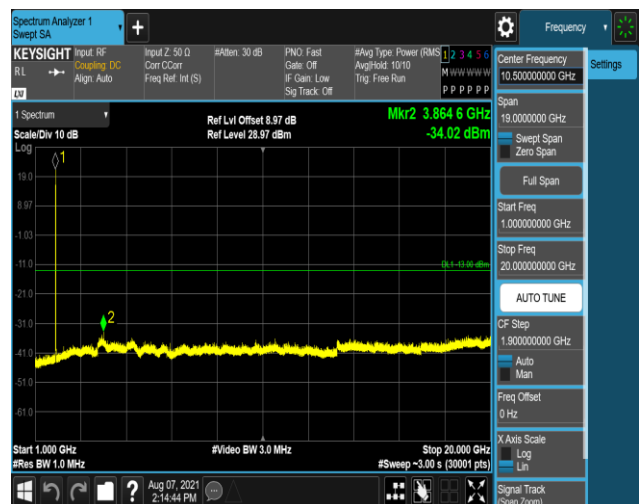
Band2-9262-0.15~30MHz



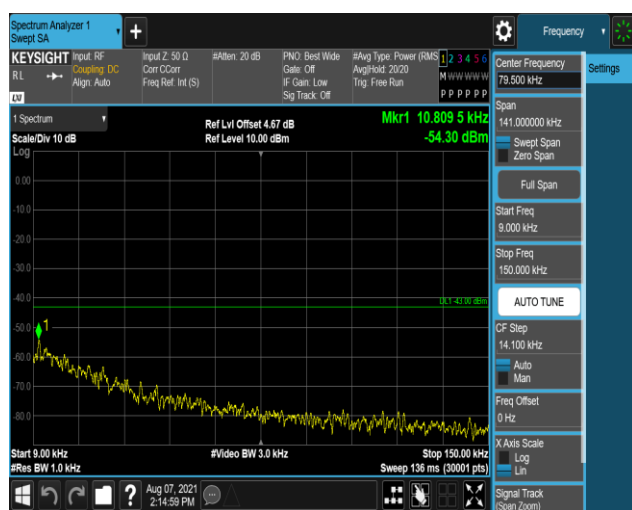
Band2-9262-30~1000MHz



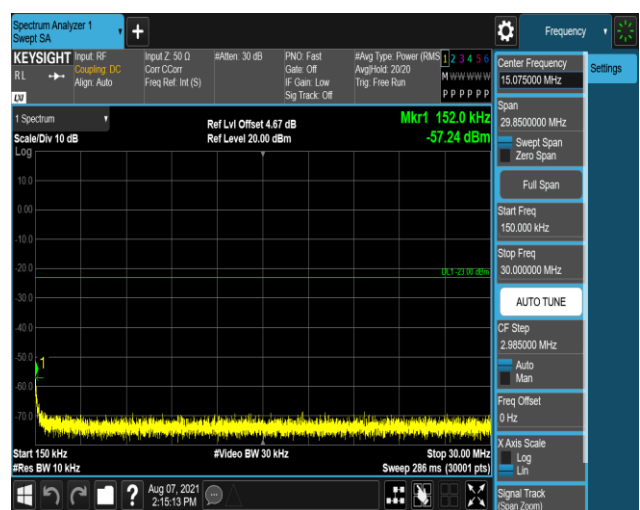
Band2-9262-1000~20000MHz



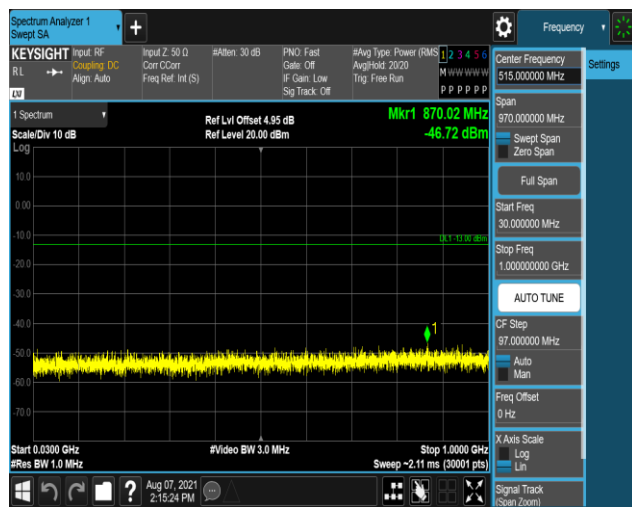
Band2-9400-0.009~0.15MHz



Band2-9400-0.15~30MHz



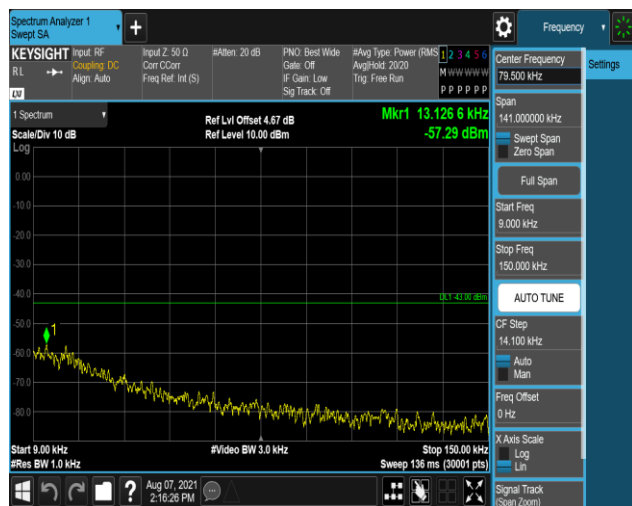
Band2-9400-30~1000MHz



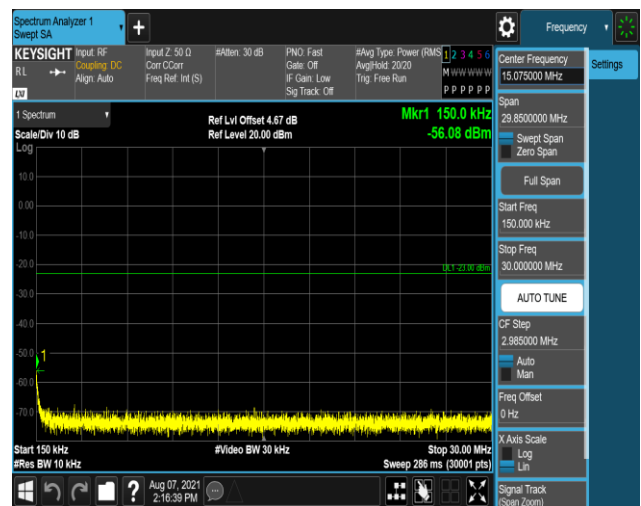
Band2-9400-1000~20000MHz



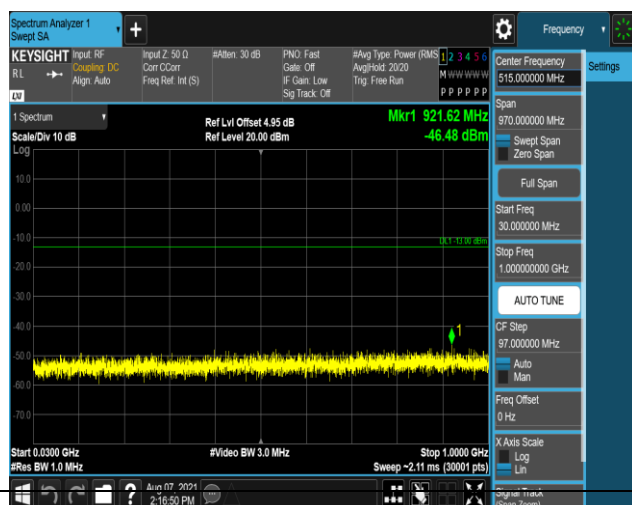
Band2-9538-0.009~0.15MHz



Band2-9538-0.15~30MHz



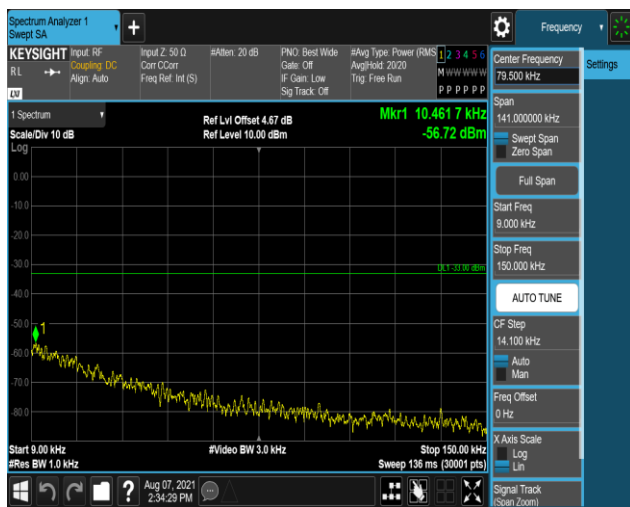
Band2-9538-30~1000MHz



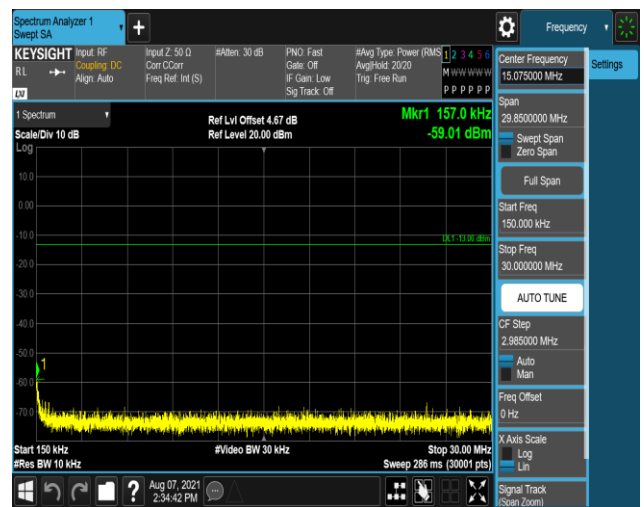
Band2-9538-1000~20000MHz



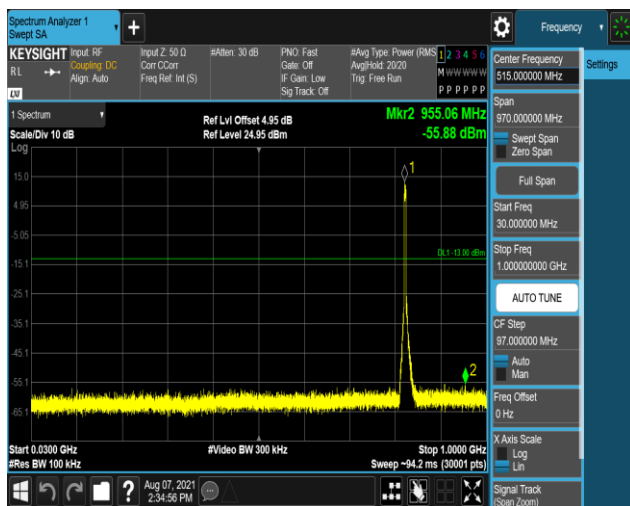
Band5-4132-0.009~0.15MHz



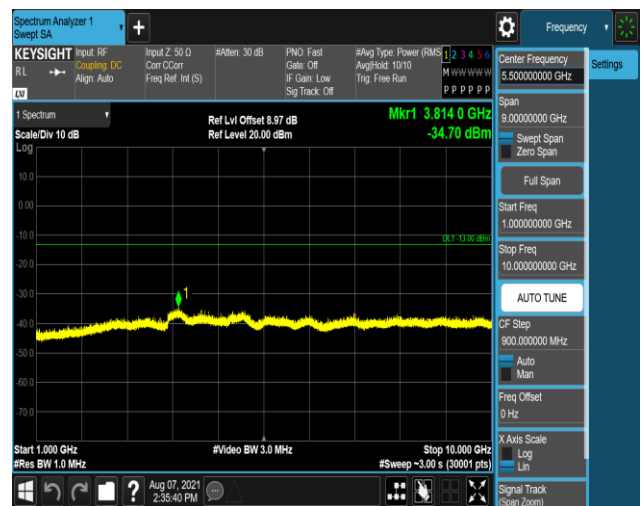
Band5-4132-0.15~30MHz



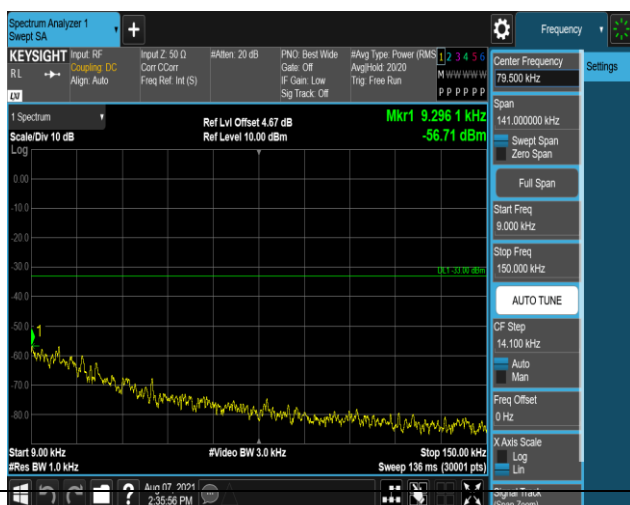
Band5-4132-30~1000MHz



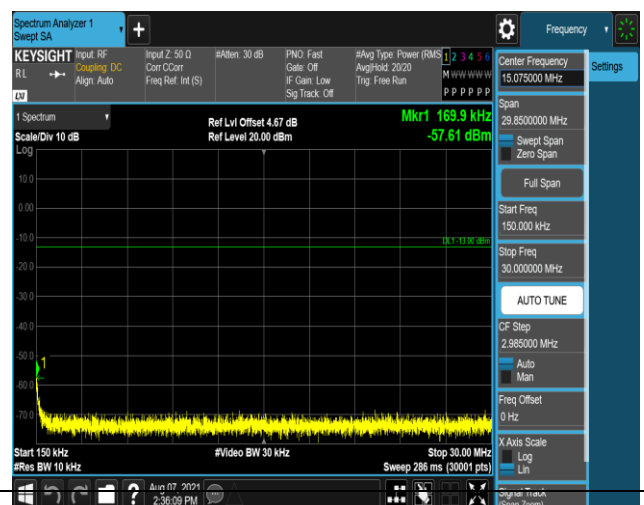
Band5-4132-1000~10000MHz



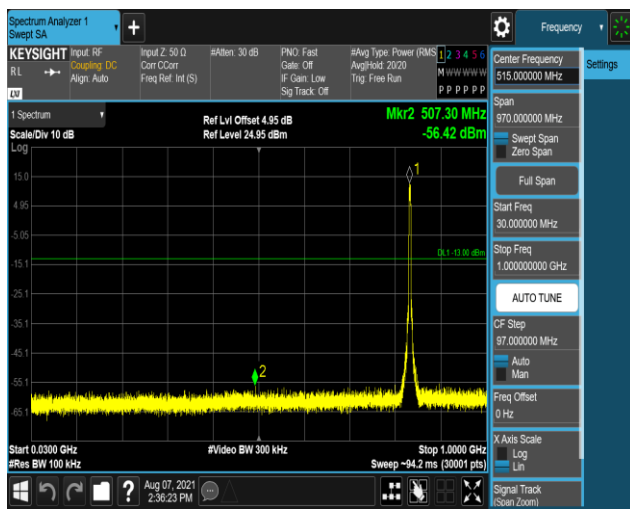
Band5-4183-0.009~0.15MHz



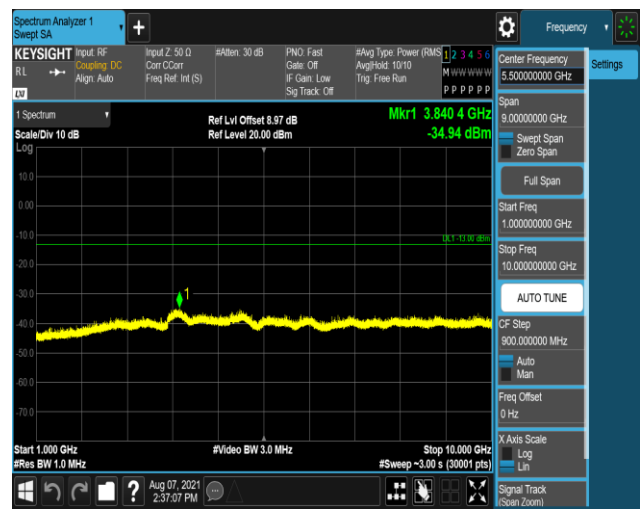
Band5-4183-0.15~30MHz



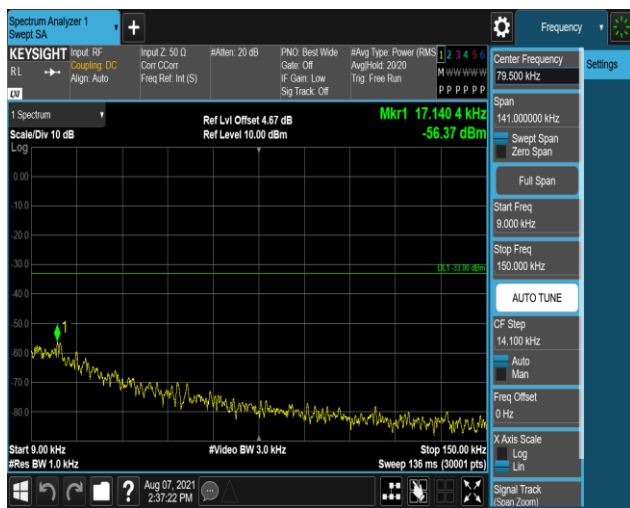
Band5-4183-30~1000MHz



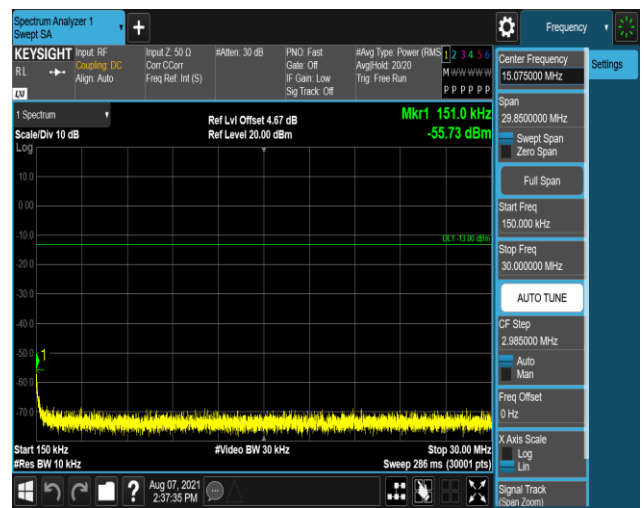
Band5-4183-1000~10000MHz



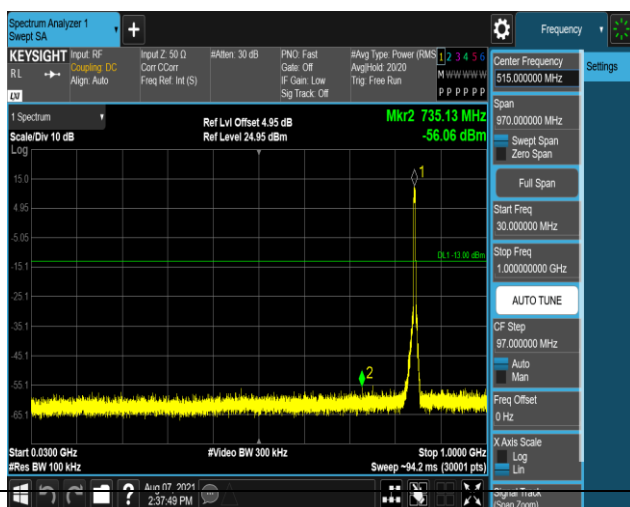
Band5-4233-0.009~0.15MHz



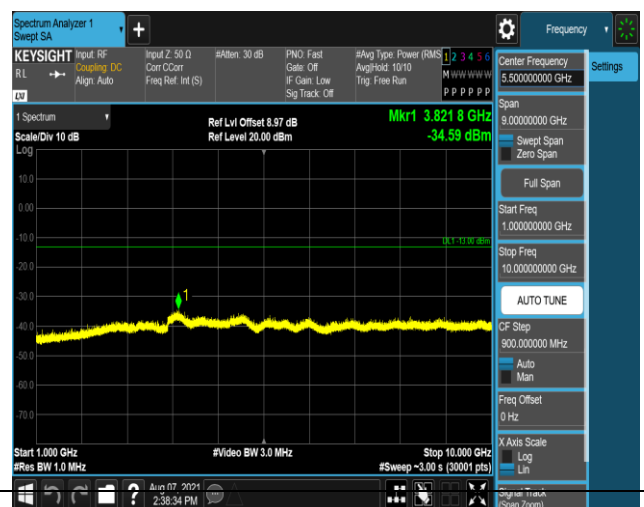
Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	4.47	0.002378	Within authorized band for BAND II	Pass
	-20	4.46	0.002372		
	-10	5.31	0.002824		
	0	4.29	0.002282		
	10	4.07	0.002165		
	20	4.25	0.002261		
	30	5.06	0.002691		
	40	4.28	0.002277		
	50	4.73	0.002516		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	4.52	0.002404	Within authorized band for BAND II	Pass
	3.70	5.24	0.002787		
	4.20	4.69	0.002495		
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		
3.70	-30	0.27	0.000323	±2.5	Pass
	-20	0.13	0.000155		
	-10	0.14	0.000167		
	0	0.59	0.000705		
	10	-0.08	-0.000096		
	20	0.44	0.000526		
	30	0.41	0.000490		
	40	0.32	0.000383		
	50	0.07	0.000084		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	1.70	0.002032	±2.5	Pass
	3.70	2.46	0.002940		
	4.20	-0.21	-0.000251		
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

