

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	20.79	24.31	33	PASS
Band2	TestMode	9262	20.95	24.47	33	PASS
Band2	Voice	9400	20.53	24.05	33	PASS
Band2	TestMode	9400	20.71	24.23	33	PASS
Band2	Voice	9538	20.46	23.98	33	PASS
Band2	TestMode	9538	20.51	24.03	33	PASS
Band5	Voice	4132	22.18	22.07	38.5	PASS
Band5	TestMode	4132	22.34	22.23	38.5	PASS
Band5	Voice	4183	22.24	23.61	38.5	PASS
Band5	TestMode	4183	22.36	23.73	38.5	PASS
Band5	Voice	4233	22.11	23.48	38.5	PASS
Band5	TestMode	4233	22.25	23.62	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.11	23.63	33	PASS
Band2	9262	2	20.14	23.66	33	PASS
Band2	9262	3	19.43	22.95	33	PASS
Band2	9262	4	19.49	23.01	33	PASS
Band2	9400	1	19.84	23.36	33	PASS
Band2	9400	2	19.89	23.41	33	PASS
Band2	9400	3	19.07	22.59	33	PASS
Band2	9400	4	19.16	22.68	33	PASS
Band2	9538	1	19.78	23.30	33	PASS
Band2	9538	2	19.75	23.27	33	PASS
Band2	9538	3	18.96	22.48	33	PASS
Band2	9538	4	19.06	22.58	33	PASS
Band5	4132	1	21.33	21.22	38.5	PASS
Band5	4132	2	21.85	21.74	38.5	PASS
Band5	4132	3	21.03	20.92	38.5	PASS
Band5	4132	4	21.06	20.95	38.5	PASS
Band5	4183	1	21.45	21.34	38.5	PASS
Band5	4183	2	21.75	21.64	38.5	PASS

Band5	4183	3	20.99	20.88	38.5	PASS
Band5	4183	4	21.02	20.91	38.5	PASS
Band5	4233	1	21.46	21.35	38.5	PASS
Band5	4233	2	21.74	21.63	38.5	PASS
Band5	4233	3	21.00	20.89	38.5	PASS
Band5	4233	4	21.00	20.89	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	17.09	20.61	33	PASS
Band2	9262	2	17.28	20.80	33	PASS
Band2	9262	3	16.71	20.23	33	PASS
Band2	9262	4	17.11	20.63	33	PASS
Band2	9262	5	20.37	23.89	33	PASS
Band2	9400	1	16.93	20.45	33	PASS
Band2	9400	2	17.10	20.62	33	PASS
Band2	9400	3	16.81	20.33	33	PASS
Band2	9400	4	16.96	20.48	33	PASS
Band2	9400	5	20.19	23.71	33	PASS
Band2	9538	1	16.96	20.48	33	PASS
Band2	9538	2	17.20	20.72	33	PASS
Band2	9538	3	16.74	20.26	33	PASS
Band2	9538	4	17.03	20.55	33	PASS
Band2	9538	5	20.11	23.63	33	PASS
Band5	4132	1	18.17	18.06	38.5	PASS
Band5	4132	2	18.45	18.34	38.5	PASS
Band5	4132	3	18.38	18.27	38.5	PASS
Band5	4132	4	18.25	18.14	38.5	PASS
Band5	4132	5	21.96	21.85	38.5	PASS
Band5	4183	1	18.00	17.89	38.5	PASS
Band5	4183	2	18.23	18.12	38.5	PASS

Band5	4183	3	18.19	18.08	38.5	PASS
Band5	4183	4	18.02	17.91	38.5	PASS
Band5	4183	5	21.93	21.82	38.5	PASS
Band5	4233	1	18.26	18.15	38.5	PASS
Band5	4233	2	18.48	18.37	38.5	PASS
Band5	4233	3	18.43	18.32	38.5	PASS
Band5	4233	4	18.31	18.2	38.5	PASS
Band5	4233	5	21.94	21.83	38.5	PASS

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

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

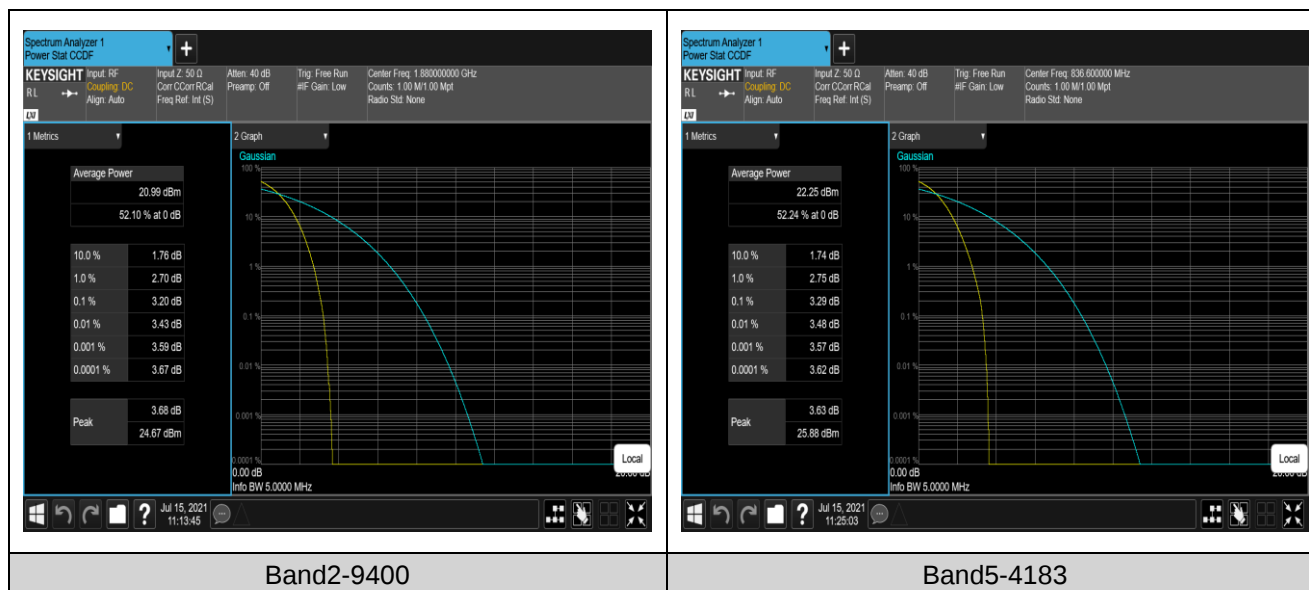
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.2	13	PASS
Band5	4183	3.29	13	PASS

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

Test Graphs(WCDMA)

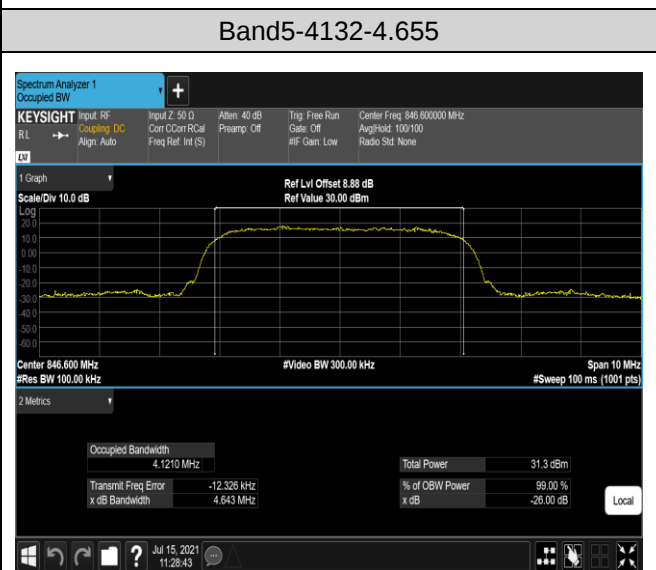
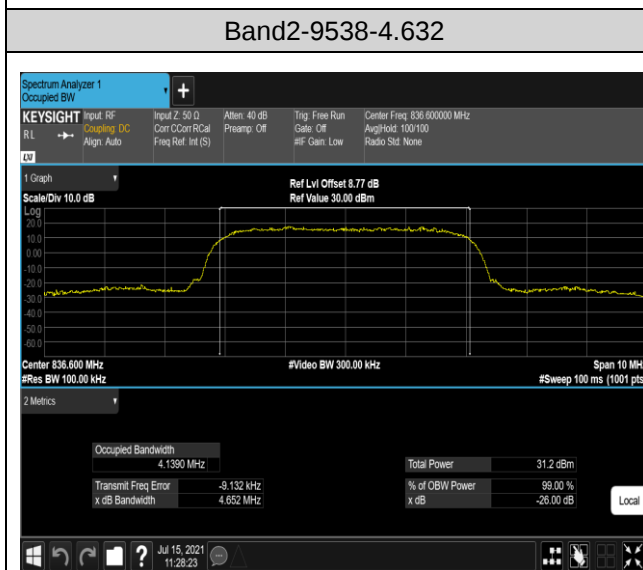
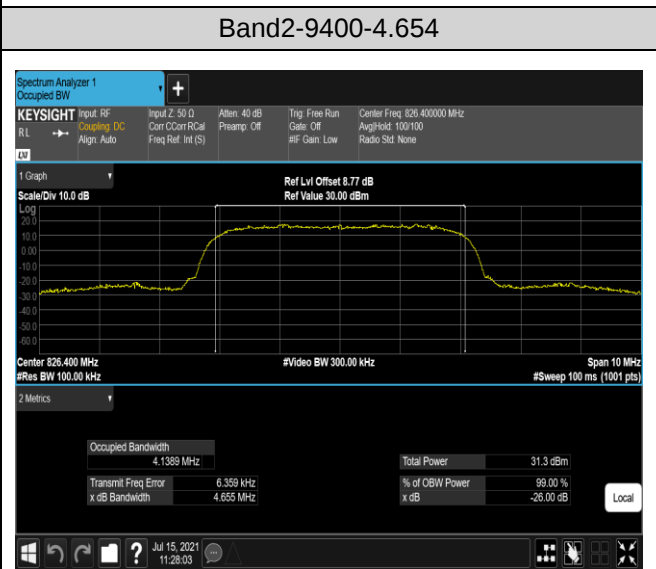
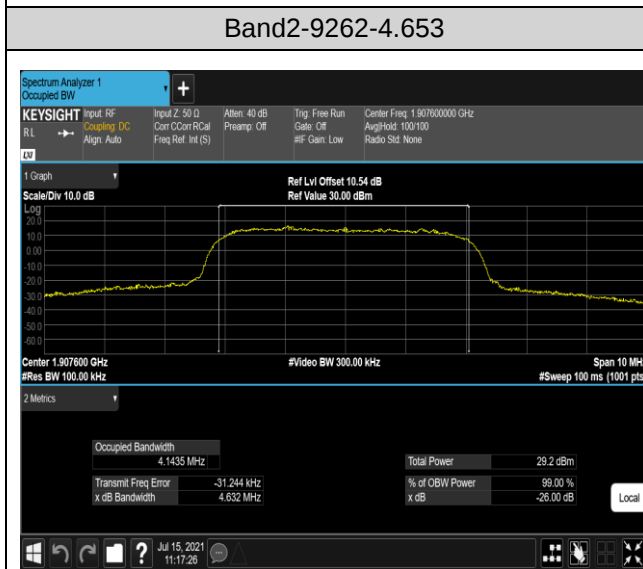
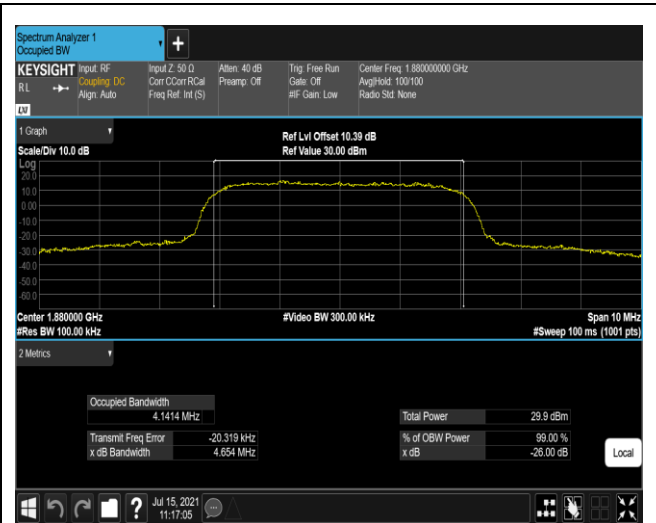
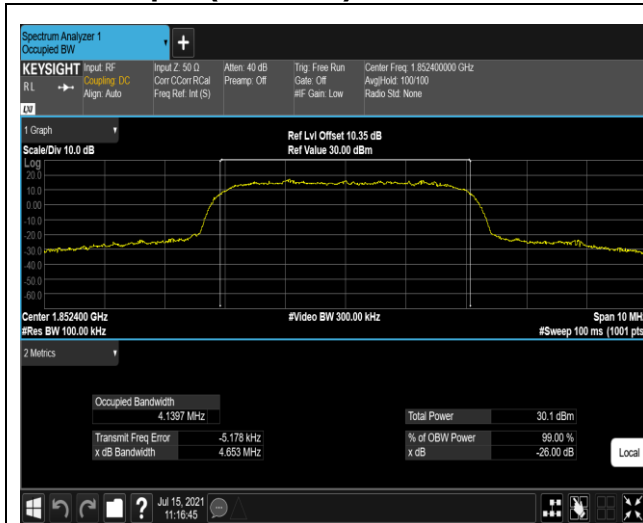


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1397	4.653	---	PASS
Band2	9400	4.1414	4.654	---	PASS
Band2	9538	4.1435	4.632	---	PASS
Band5	4132	4.1389	4.655	---	PASS
Band5	4183	4.1390	4.652	---	PASS
Band5	4233	4.1210	4.643	---	PASS

Test Graphs(WCDMA)

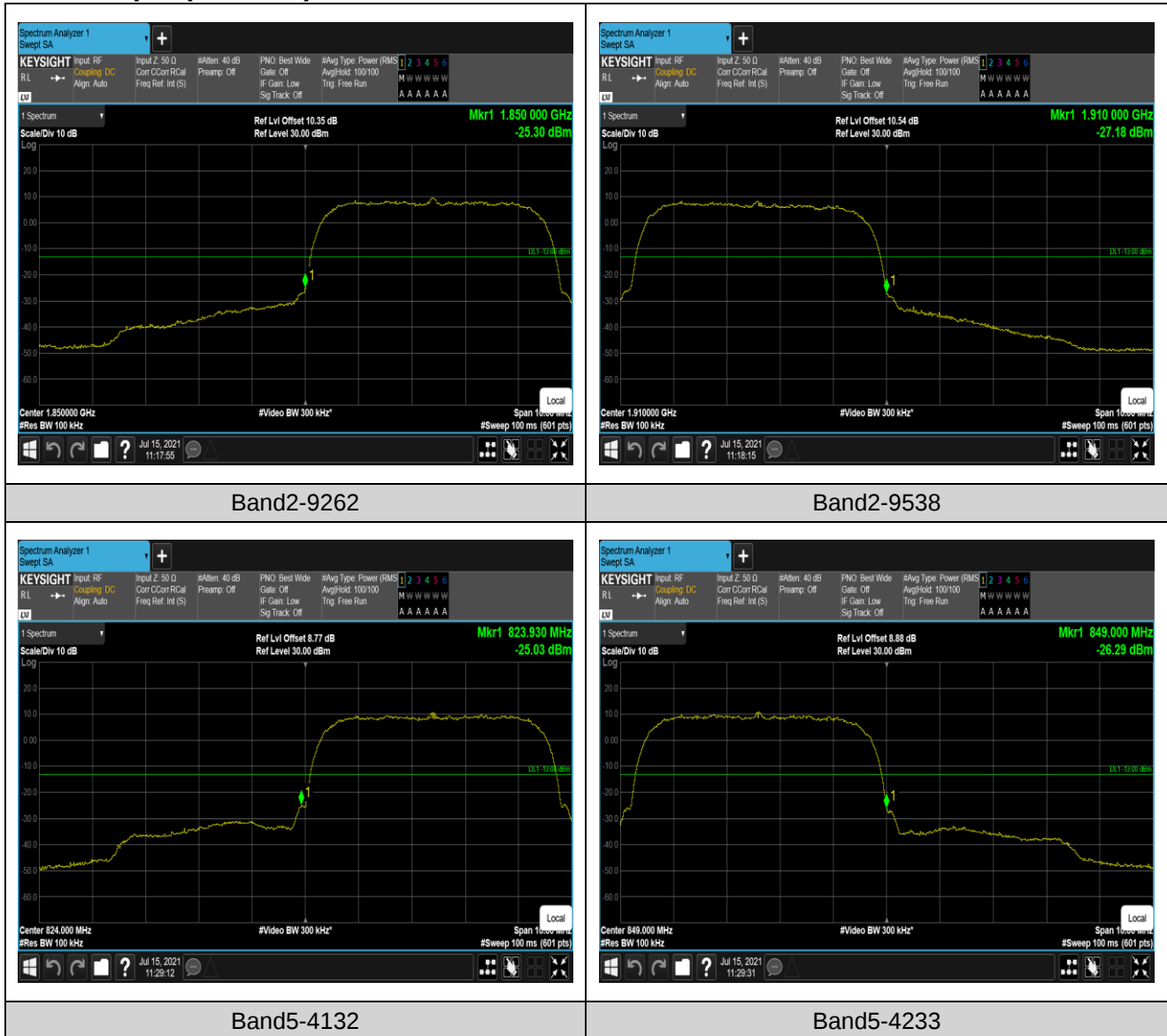


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-25.30	-13	PASS
Band2	9538	1910.00	-27.18	-13	PASS
Band5	4132	823.93	-25.03	-13	PASS
Band5	4233	849.00	-26.29	-13	PASS

Test Graphs(WCDMA)

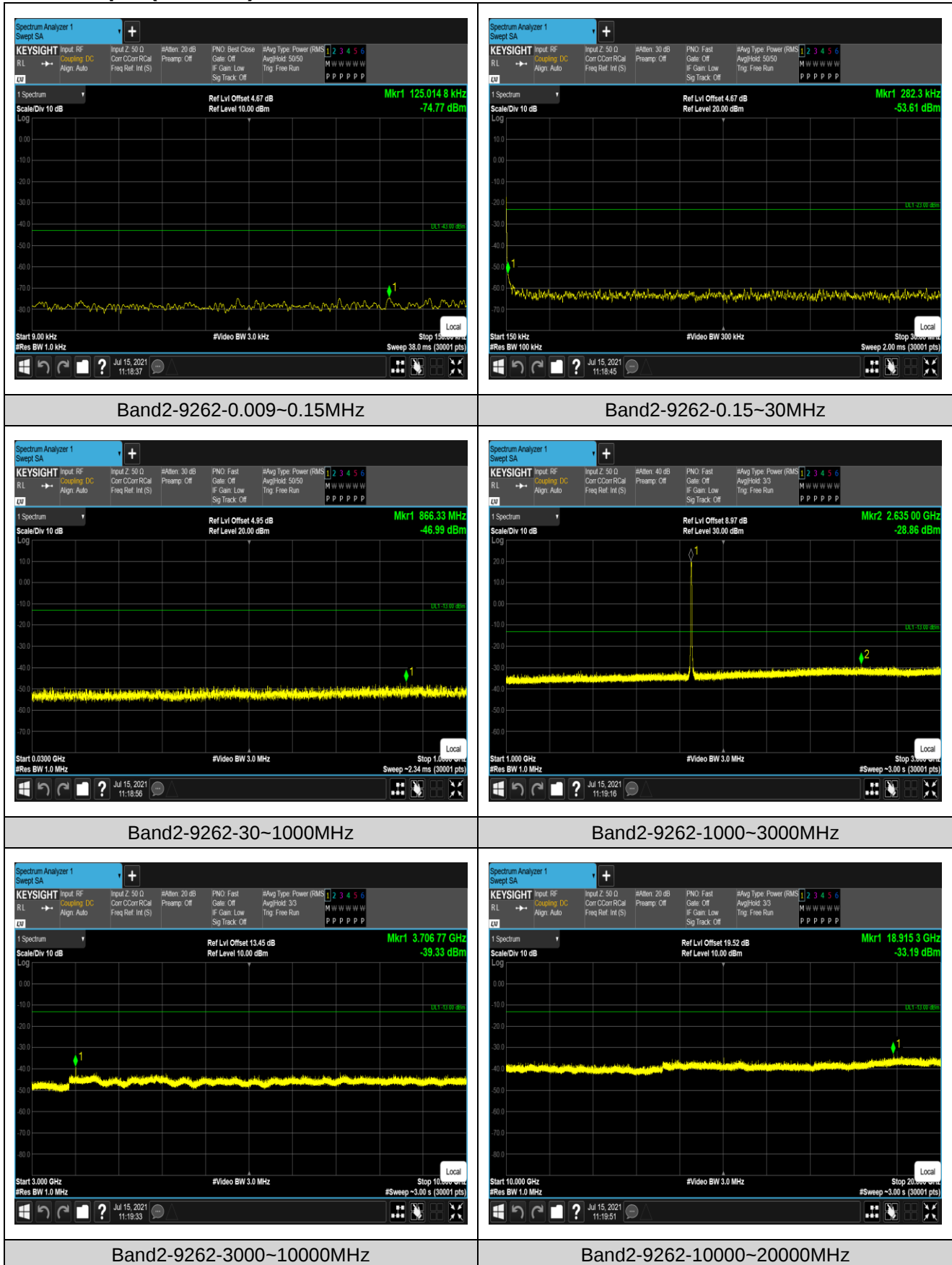


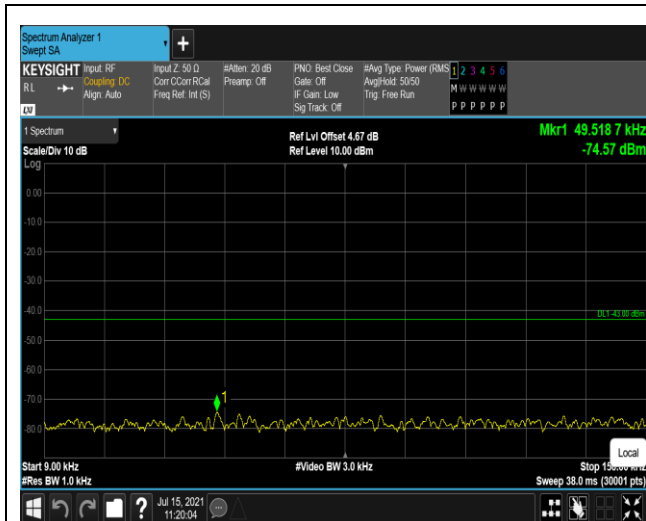
AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

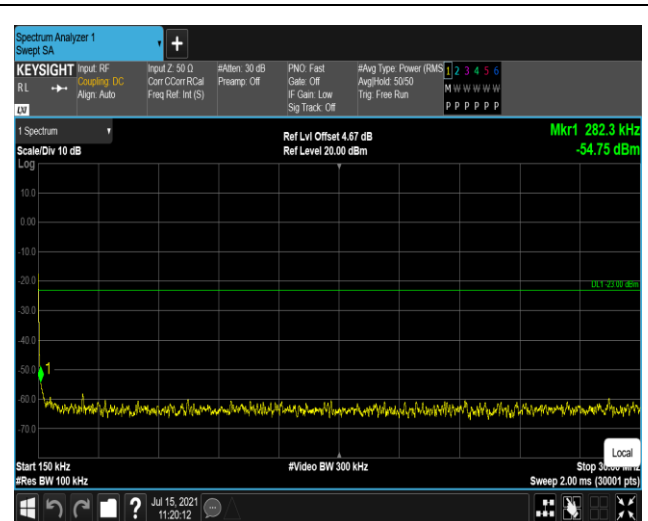
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.13	-74.77	-43	PASS
Band2	9262	0.15~30MHz	0.28	-53.61	-23	PASS
Band2	9262	30~1000MHz	866.33	-46.99	-13	PASS
Band2	9262	1000~3000MHz	2635	-28.86	-13	PASS
Band2	9262	3000~10000MHz	3706.77	-39.33	-13	PASS
Band2	9262	10000~20000MHz	18915.33	-33.19	-13	PASS
Band2	9400	0.009~0.15MHz	0.05	-74.57	-43	PASS
Band2	9400	0.15~30MHz	0.28	-54.75	-23	PASS
Band2	9400	30~1000MHz	925.63	-46.36	-13	PASS
Band2	9400	1000~3000MHz	2529.67	-28.58	-13	PASS
Band2	9400	3000~10000MHz	3757.17	-39.66	-13	PASS
Band2	9400	10000~20000MHz	18822.67	-33.65	-13	PASS
Band2	9538	0.009~0.15MHz	0.15	-75.11	-43	PASS
Band2	9538	0.15~30MHz	0.29	-54.41	-23	PASS
Band2	9538	30~1000MHz	520.5	-47.16	-13	PASS
Band2	9538	1000~3000MHz	2917.33	-28.64	-13	PASS
Band2	9538	3000~10000MHz	3812.93	-39.32	-13	PASS
Band2	9538	10000~20000MHz	19238.67	-33.62	-13	PASS
Band5	4132	0.009~0.15MHz	0.14	-74.04	-33	PASS
Band5	4132	0.15~30MHz	0.3	-55.28	-13	PASS
Band5	4132	30~1000MHz	955.32	-37.78	-13	PASS
Band5	4132	1000~3000MHz	2649.47	-36.57	-13	PASS
Band5	4132	3000~10000MHz	3986.07	-41.41	-13	PASS
Band5	4132	10000~18000MHz	17283.2	-43.72	-13	PASS
Band5	4183	0.009~0.15MHz	0.14	-74.22	-33	PASS
Band5	4183	0.15~30MHz	0.28	-54.05	-13	PASS
Band5	4183	30~1000MHz	730.6	-37.3	-13	PASS
Band5	4183	1000~3000MHz	2419.8	-36.15	-13	PASS
Band5	4183	3000~10000MHz	4902.83	-41.97	-13	PASS
Band5	4183	10000~18000MHz	17690.4	-43.24	-13	PASS
Band5	4233	0.009~0.15MHz	0.15	-74.48	-33	PASS
Band5	4233	0.15~30MHz	0.28	-55.85	-13	PASS
Band5	4233	30~1000MHz	90.56	-37.92	-13	PASS
Band5	4233	1000~3000MHz	2749.4	-36.62	-13	PASS
Band5	4233	3000~10000MHz	3938	-41.72	-13	PASS
Band5	4233	10000~18000MHz	17483.2	-42.9	-13	PASS

Test Graphs(WCDMA)

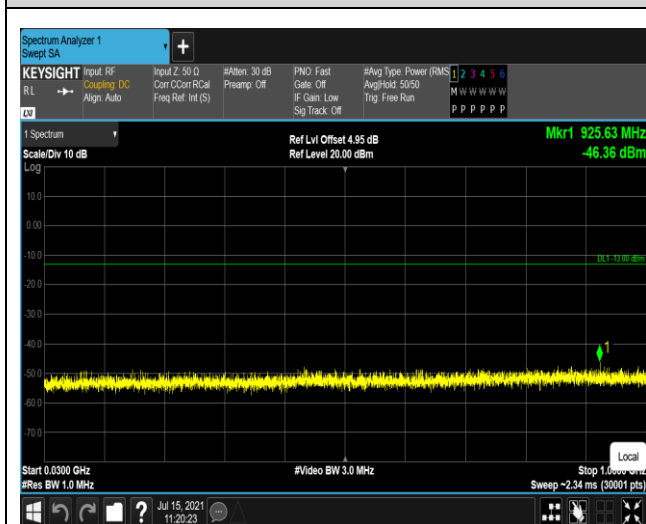




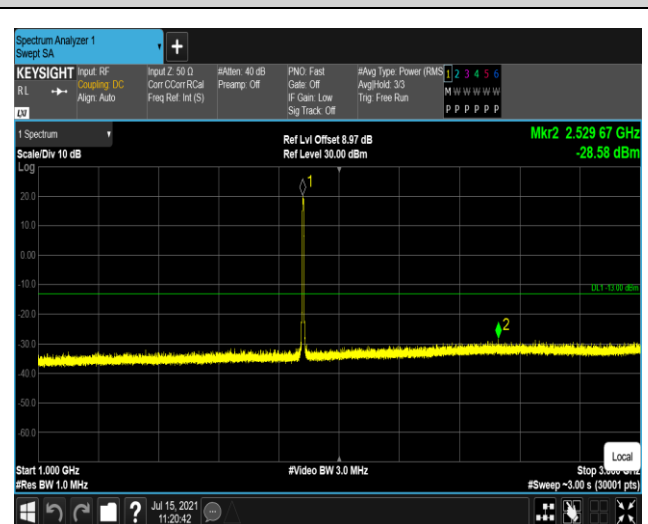
Band2-9400-0.009~0.15MHz



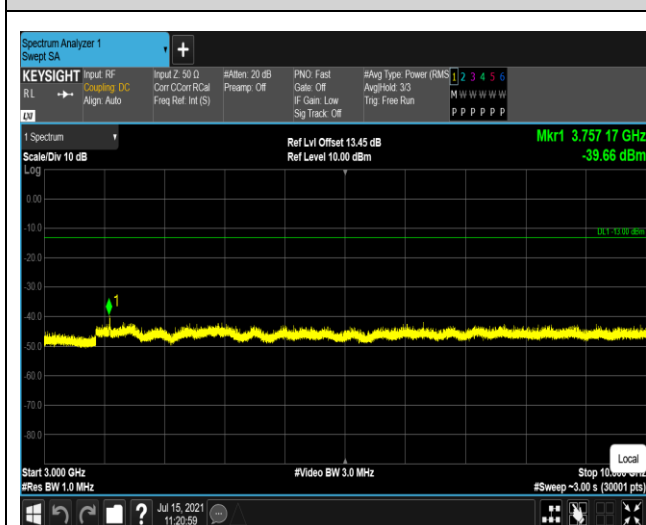
Band2-9400-0.15~30MHz



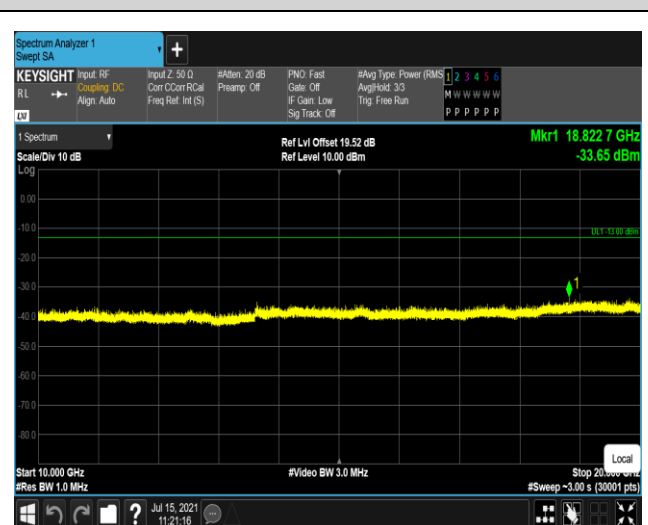
Band2-9400-30~1000MHz



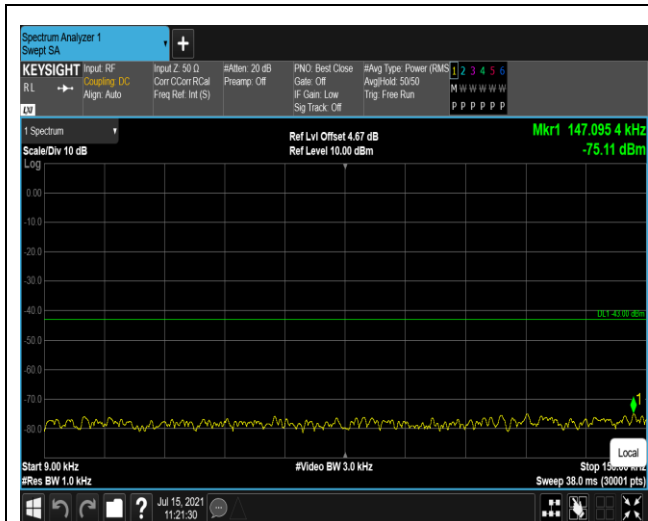
Band2-9400-1000~3000MHz



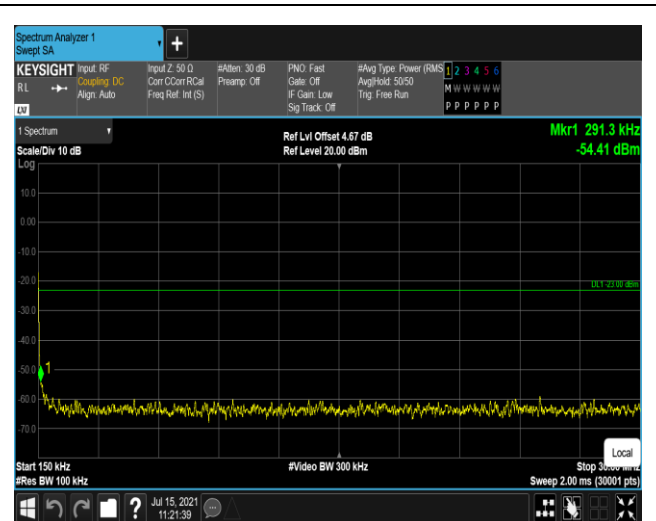
Band2-9400-3000~10000MHz



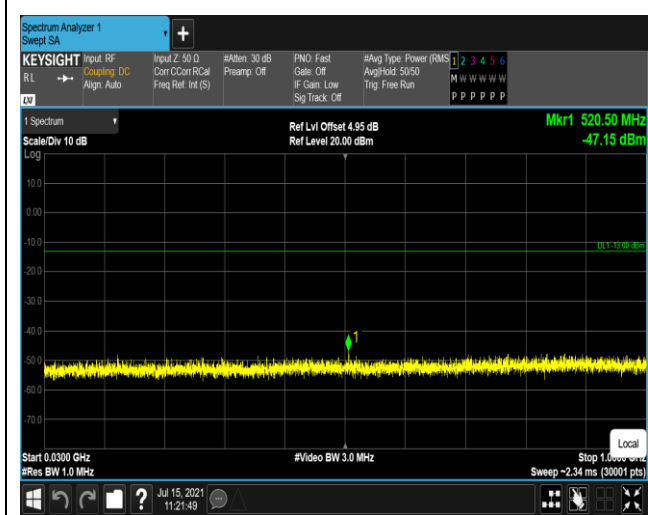
Band2-9400-10000~20000MHz



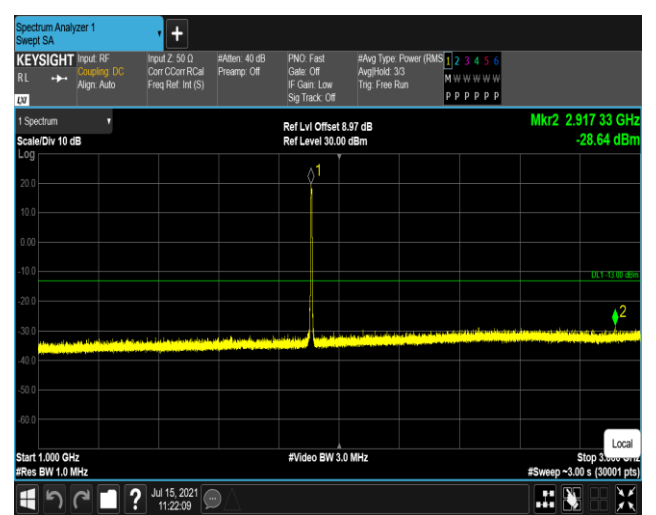
Band2-9538-0.009~0.15MHz



Band2-9538-0.15~30MHz



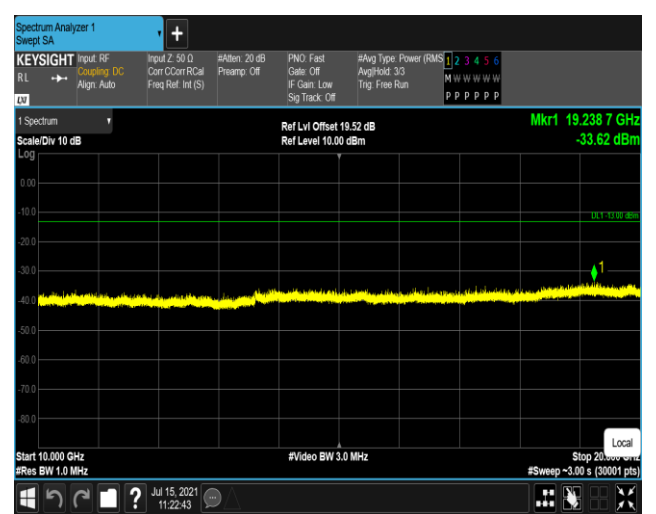
Band2-9538-30~1000MHz



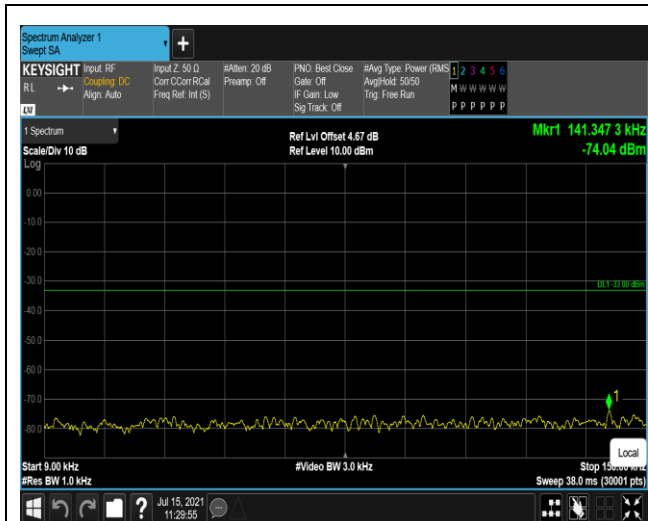
Band2-9538-1000~3000MHz



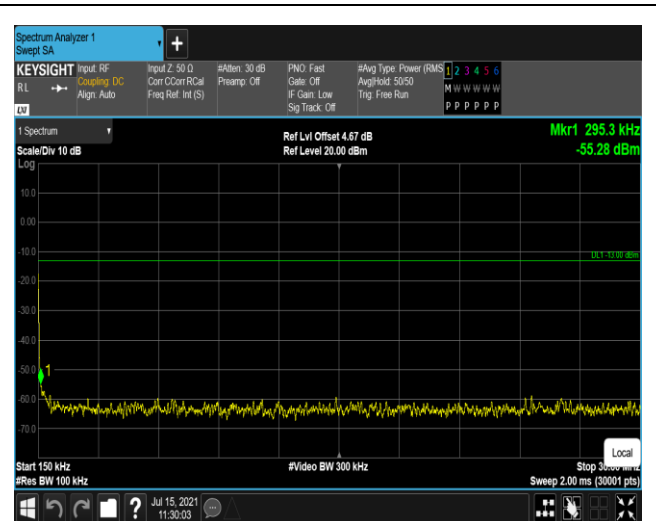
Band2-9538-3000~10000MHz



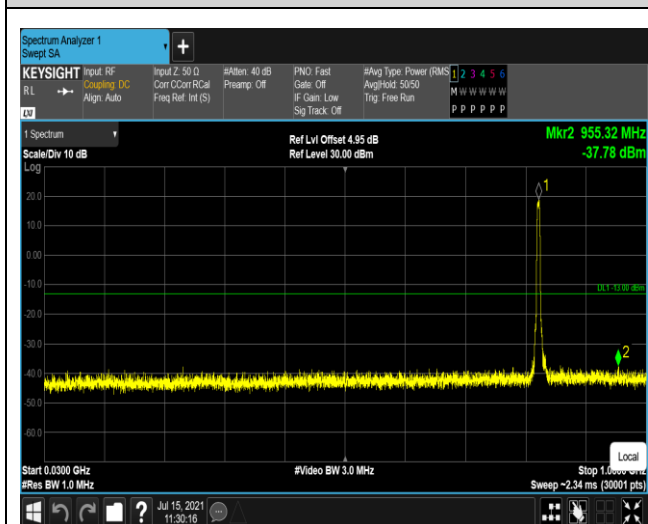
Band2-9538-10000~20000MHz



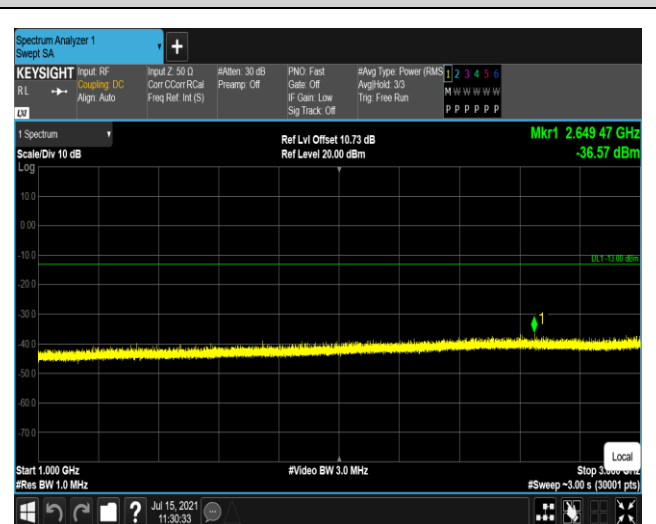
Band5-4132-0.009~0.15MHz



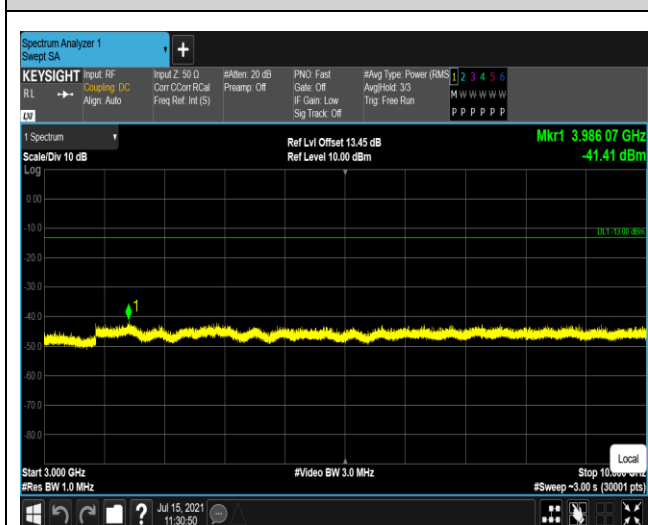
Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



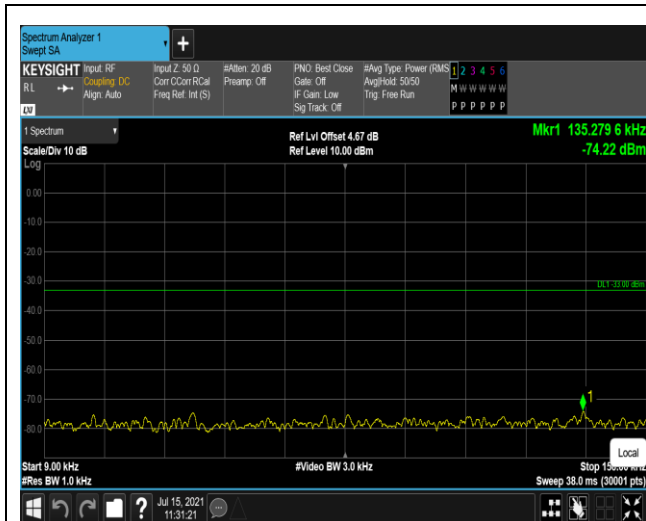
Band5-4132-1000~3000MHz



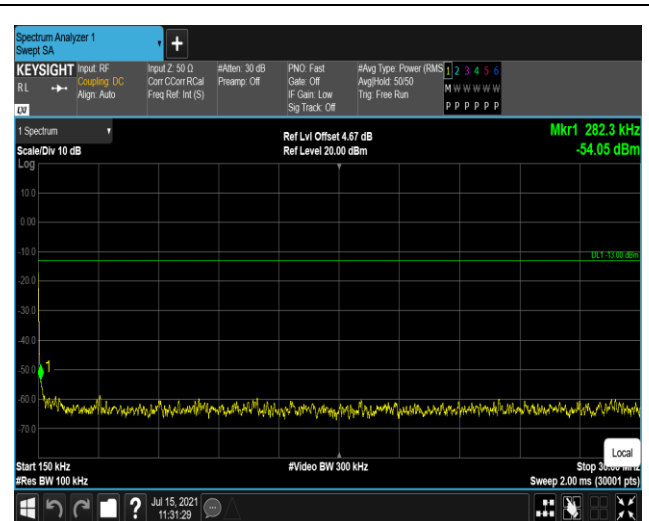
Band5-4132-3000~10000MHz



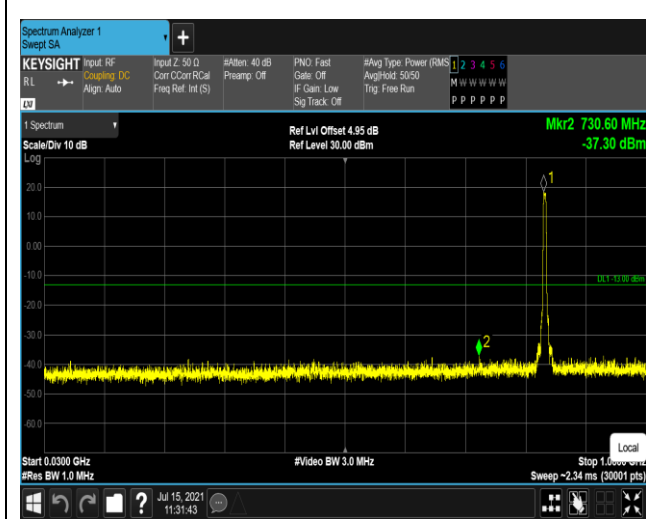
Band5-4132-10000~18000MHz



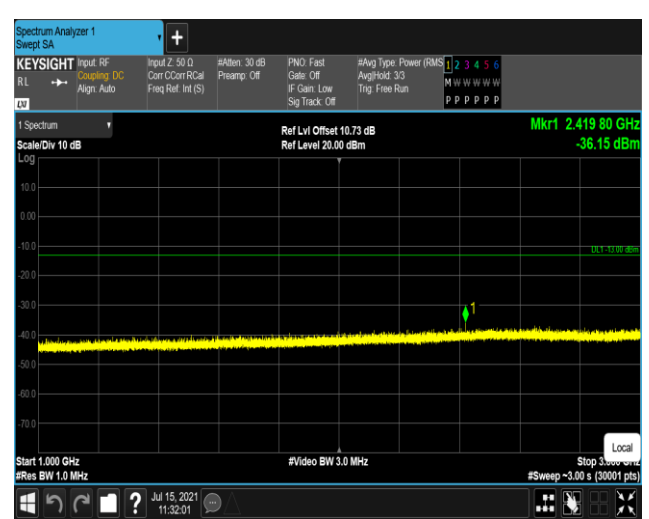
Band5-4183-0.009~0.15MHz



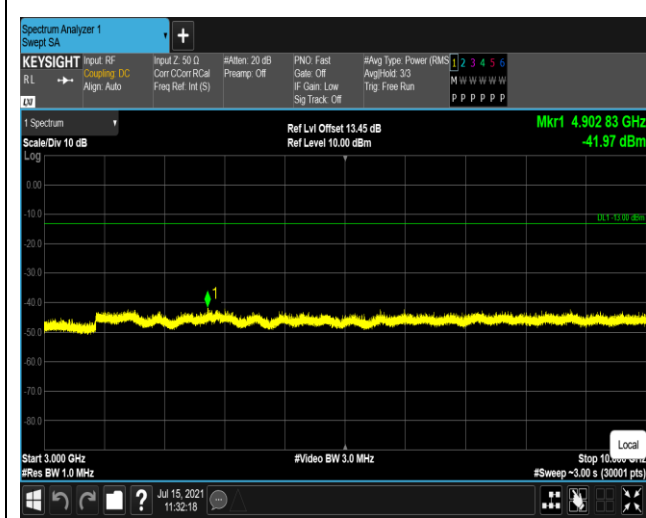
Band5-4183-0.15~30MHz



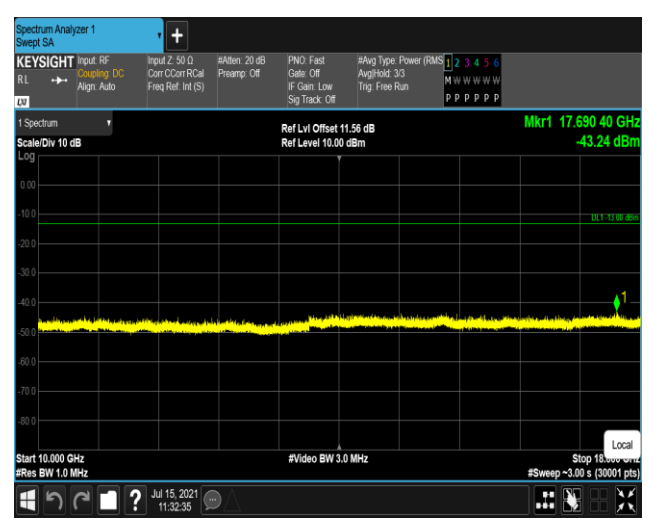
Band5-4183-30~1000MHz



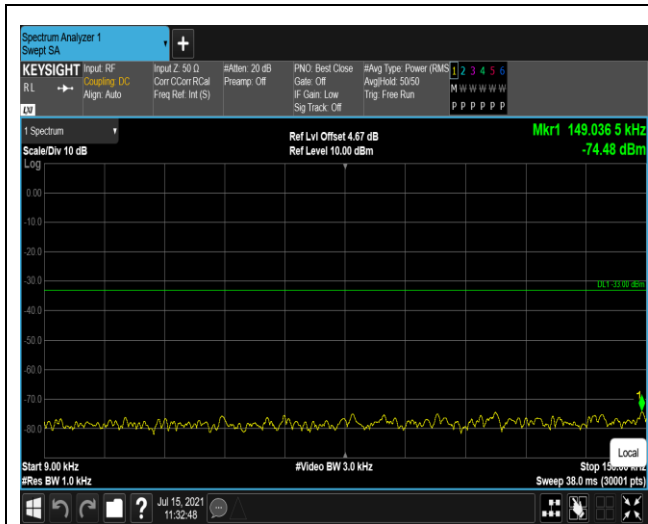
Band5-4183-1000~3000MHz



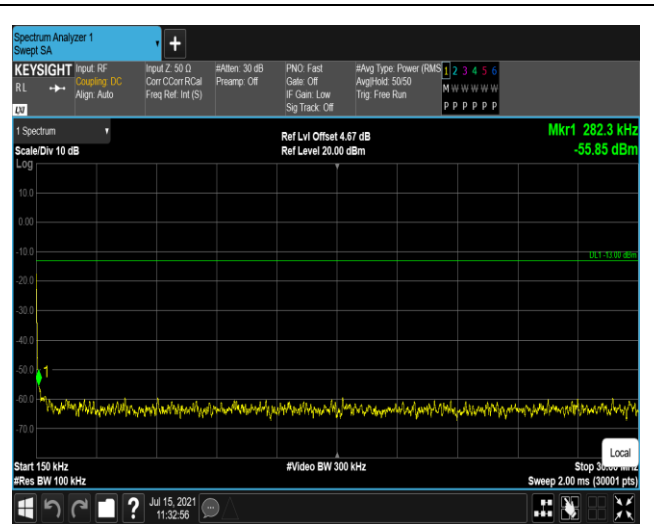
Band5-4183-3000~10000MHz



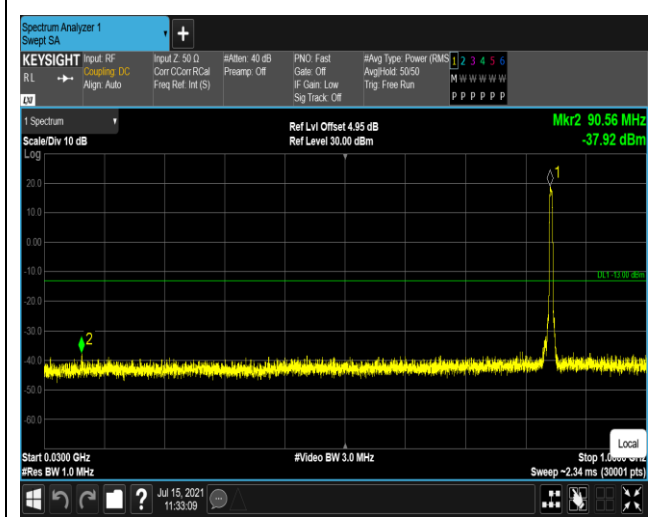
Band5-4183-10000~18000MHz



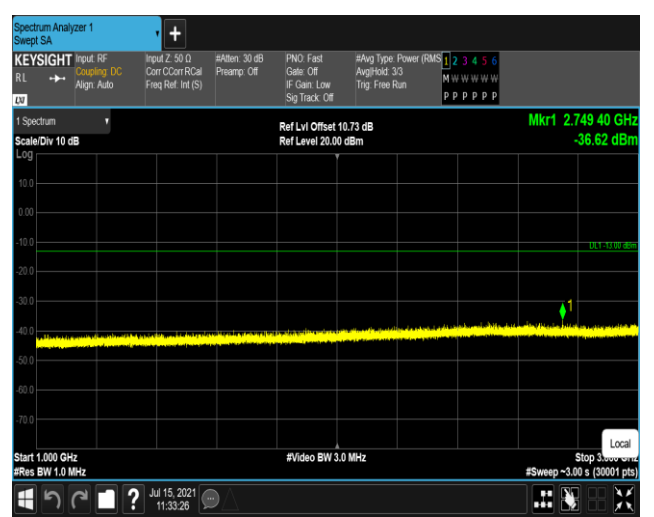
Band5-4233-0.009~0.15MHz



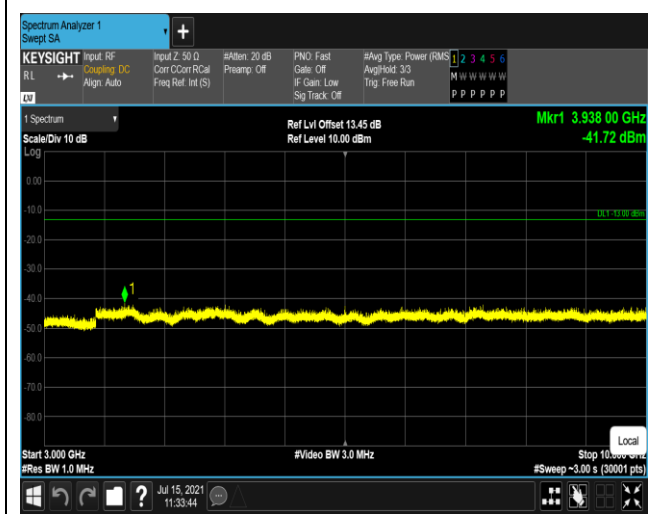
Band5-4233-0.15~30MHz



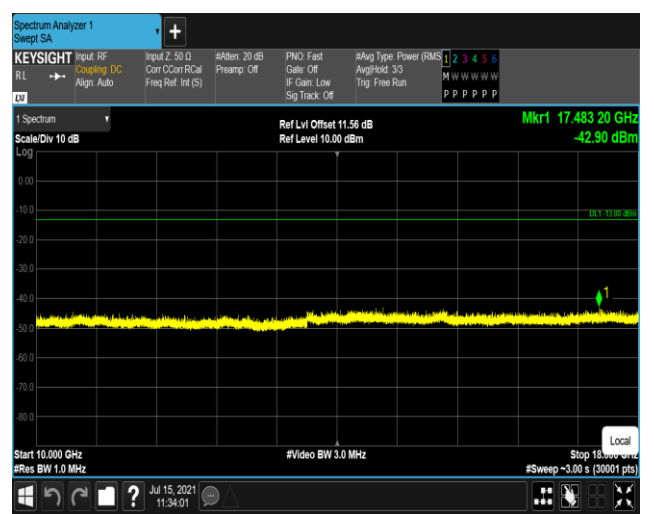
Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz



Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz

AppendixF:Frequency Stability

Test Result (the worst channel)

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		
3.80	-30	-0.02	-0.000024	±2.5	Pass
	-20	0.25	0.000299		
	-10	0.57	0.000681		
	0	-0.36	-0.000430		
	10	0.06	0.000072		
	20	-0.19	-0.000227		
	30	-0.24	-0.000287		
	40	-0.50	-0.000598		
	50	-0.21	-0.000251		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.23	-0.16	-0.000191	±2.5	Pass
	3.80	0.01	0.000012		
	4.37	-0.53	-0.000634		
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		
3.80	-30	-0.15	-0.000080	Within authorized band for BAND II	Pass
	-20	0.75	0.000399		
	-10	0.08	0.000043		
	0	-0.46	-0.000245		
	10	-0.41	-0.000218		
	20	-0.29	-0.000154		
	30	-0.60	-0.000319		
	40	0.26	0.000138		
	50	-0.82	-0.000436		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.23	0.64	0.000340	Within authorized band for BAND II	Pass
	3.80	-0.01	-0.000005		
	4.37	0.65	0.000346		
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
Band5	4183	PASS	PASS

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

Test Graphs

