

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Type	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	23.26	-0.60	22.66	33.00	PASS
Band2	RMC	9262	23.27	-0.60	22.67	33.00	PASS
Band2	Voice	9400	23.34	-0.60	22.74	33.00	PASS
Band2	RMC	9400	23.37	-0.60	22.77	33.00	PASS
Band2	Voice	9538	23.34	-0.60	22.74	33.00	PASS
Band2	RMC	9538	23.43	-0.60	22.83	33.00	PASS
Band5	Voice	4132	23.31	-1.90	19.26	38.45	PASS
Band5	RMC	4132	23.36	-1.90	19.31	38.45	PASS
Band5	Voice	4183	23.59	-1.90	19.54	38.45	PASS
Band5	RMC	4183	23.60	-1.90	19.55	38.45	PASS
Band5	Voice	4233	23.55	-1.90	19.50	38.45	PASS
Band5	RMC	4233	23.56	-1.90	19.51	38.45	PASS
Remark: EIRP (dBm) = Conducted Power (dBm) + Antenna Gain (dBi). (For Band2) ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)							

Band	Type	Channel	SubTest	Conducted Power (dBm)	Antenna Gain (dBi)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	HSDPA	9262	1	22.39	-0.60	21.79	33.00	PASS
Band2	HSDPA	9262	2	21.99	-0.60	21.39	33.00	PASS
Band2	HSDPA	9262	3	21.87	-0.60	21.27	33.00	PASS
Band2	HSDPA	9262	4	21.79	-0.60	21.19	33.00	PASS
Band2	HSDPA	9400	1	22.47	-0.60	21.87	33.00	PASS
Band2	HSDPA	9400	2	21.91	-0.60	21.31	33.00	PASS
Band2	HSDPA	9400	3	21.89	-0.60	21.29	33.00	PASS
Band2	HSDPA	9400	4	21.95	-0.60	21.35	33.00	PASS
Band2	HSDPA	9538	1	22.51	-0.60	21.91	33.00	PASS
Band2	HSDPA	9538	2	21.95	-0.60	21.35	33.00	PASS
Band2	HSDPA	9538	3	21.93	-0.60	21.33	33.00	PASS
Band2	HSDPA	9538	4	21.98	-0.60	21.38	33.00	PASS
Band2	HSUPA	9262	1	21.33	-0.60	20.73	33.00	PASS
Band2	HSUPA	9262	2	21.83	-0.60	21.23	33.00	PASS
Band2	HSUPA	9262	3	22.37	-0.60	21.77	33.00	PASS
Band2	HSUPA	9262	4	21.40	-0.60	20.80	33.00	PASS
Band2	HSUPA	9262	5	22.33	-0.60	21.73	33.00	PASS
Band2	HSUPA	9400	1	21.37	-0.60	20.77	33.00	PASS

Band2	HSUPA	9400	2	21.93	-0.60	21.33	33.00	PASS
Band2	HSUPA	9400	3	22.43	-0.60	21.83	33.00	PASS
Band2	HSUPA	9400	4	21.45	-0.60	20.85	33.00	PASS
Band2	HSUPA	9400	5	22.37	-0.60	21.77	33.00	PASS
Band2	HSUPA	9538	1	21.42	-0.60	20.82	33.00	PASS
Band2	HSUPA	9538	2	21.96	-0.60	21.36	33.00	PASS
Band2	HSUPA	9538	3	22.44	-0.60	21.84	33.00	PASS
Band2	HSUPA	9538	4	21.46	-0.60	20.86	33.00	PASS
Band2	HSUPA	9538	5	22.38	-0.60	21.78	33.00	PASS
Band5	HSDPA	4132	1	22.37	-1.90	18.32	38.45	PASS
Band5	HSDPA	4132	2	21.88	-1.90	17.83	38.45	PASS
Band5	HSDPA	4132	3	21.91	-1.90	17.86	38.45	PASS
Band5	HSDPA	4132	4	21.87	-1.90	17.82	38.45	PASS
Band5	HSDPA	4183	1	22.61	-1.90	18.56	38.45	PASS
Band5	HSDPA	4183	2	22.08	-1.90	18.03	38.45	PASS
Band5	HSDPA	4183	3	22.12	-1.90	18.07	38.45	PASS
Band5	HSDPA	4183	4	22.12	-1.90	18.07	38.45	PASS
Band5	HSDPA	4233	1	22.59	-1.90	18.54	38.45	PASS
Band5	HSDPA	4233	2	22.09	-1.90	18.04	38.45	PASS
Band5	HSDPA	4233	3	22.07	-1.90	18.02	38.45	PASS
Band5	HSDPA	4233	4	22.07	-1.90	18.02	38.45	PASS
Band5	HSUPA	4132	1	21.40	-1.90	17.35	38.45	PASS
Band5	HSUPA	4132	2	21.88	-1.90	17.83	38.45	PASS
Band5	HSUPA	4132	3	22.41	-1.90	18.36	38.45	PASS
Band5	HSUPA	4132	4	21.42	-1.90	17.37	38.45	PASS
Band5	HSUPA	4132	5	22.42	-1.90	18.37	38.45	PASS
Band5	HSUPA	4183	1	21.61	-1.90	17.56	38.45	PASS
Band5	HSUPA	4183	2	22.15	-1.90	18.1	38.45	PASS
Band5	HSUPA	4183	3	22.62	-1.90	18.57	38.45	PASS
Band5	HSUPA	4183	4	21.66	-1.90	17.61	38.45	PASS
Band5	HSUPA	4183	5	22.63	-1.90	18.58	38.45	PASS
Band5	HSUPA	4233	1	21.60	-1.90	17.55	38.45	PASS
Band5	HSUPA	4233	2	22.09	-1.90	18.04	38.45	PASS
Band5	HSUPA	4233	3	22.62	-1.90	18.57	38.45	PASS
Band5	HSUPA	4233	4	21.63	-1.90	17.58	38.45	PASS
Band5	HSUPA	4233	5	22.59	-1.90	18.54	38.45	PASS
Remark: EIRP (dBm) = Conducted Power (dBm) + Antenna Gain (dBi). (For Band2)								
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)								

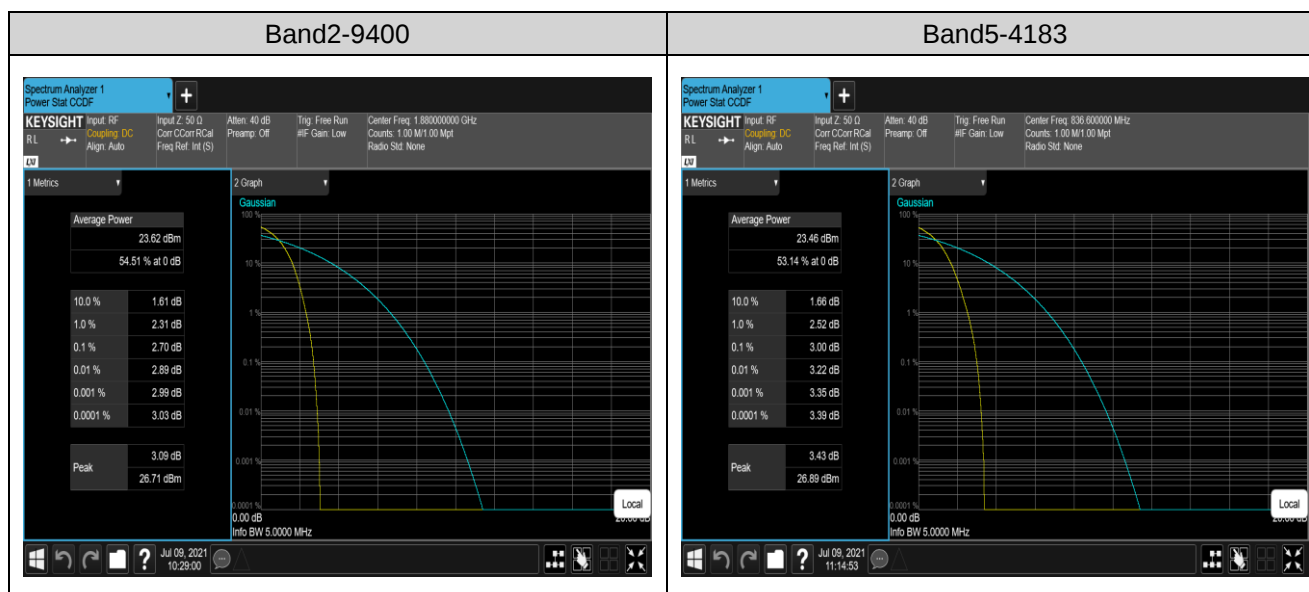
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.7	13	PASS
Band5	4183	3.0	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)

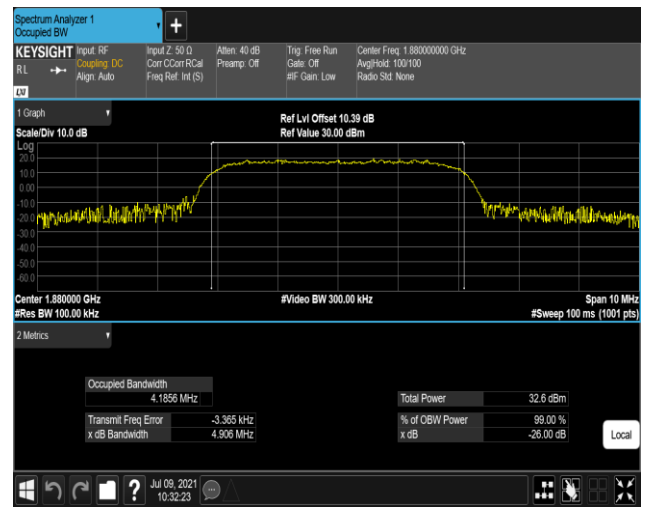
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1835	4.749	---	PASS
Band2	9400	4.1856	4.906	---	PASS
Band2	9538	4.1677	4.747	---	PASS
Band5	4132	4.1663	4.712	---	PASS
Band5	4183	4.1653	4.704	---	PASS
Band5	4233	4.1656	4.993	---	PASS

Test Graphs(WCDMA)

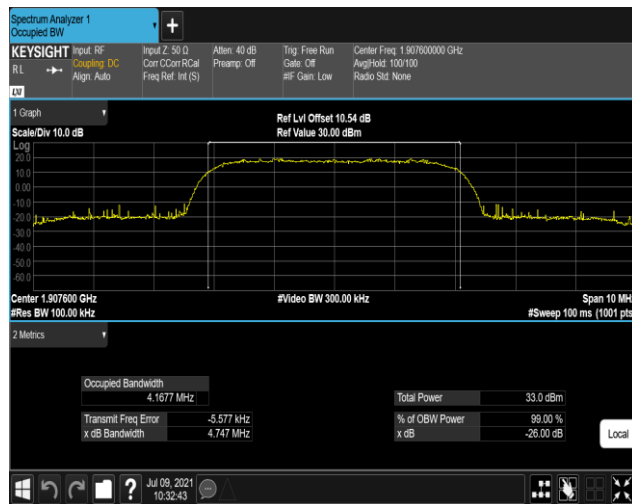
Band2-9262-4.749



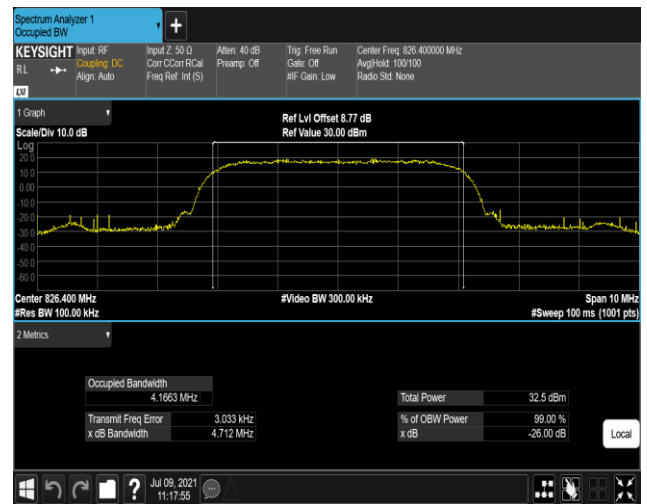
Band2-9400-4.906



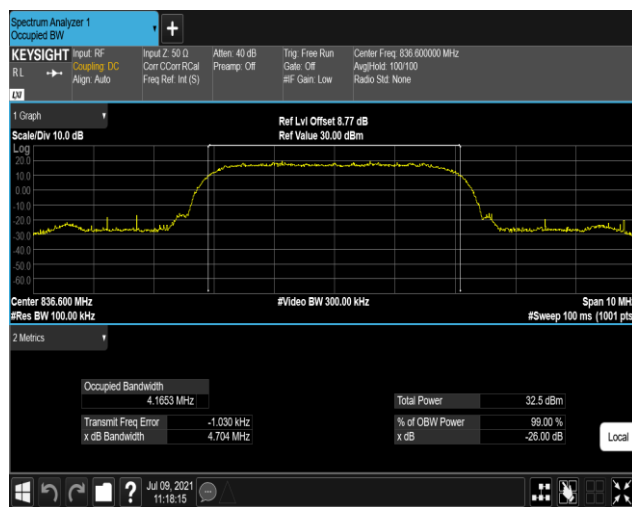
Band2-9538-4.747



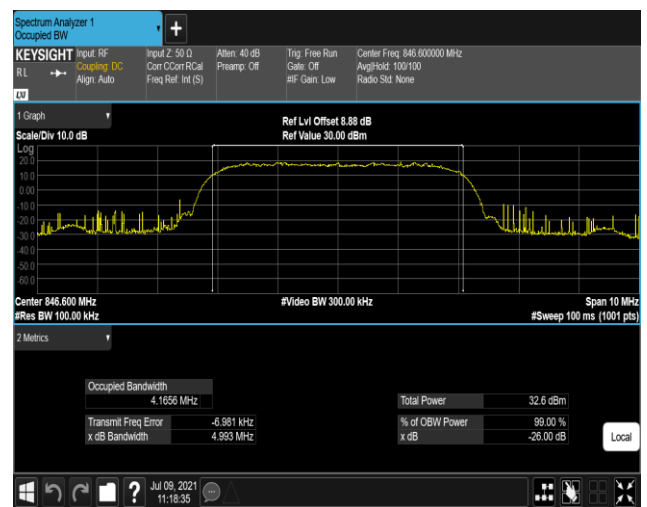
Band5-4132-4.712



Band5-4183-4.704



Band5-4233-4.993

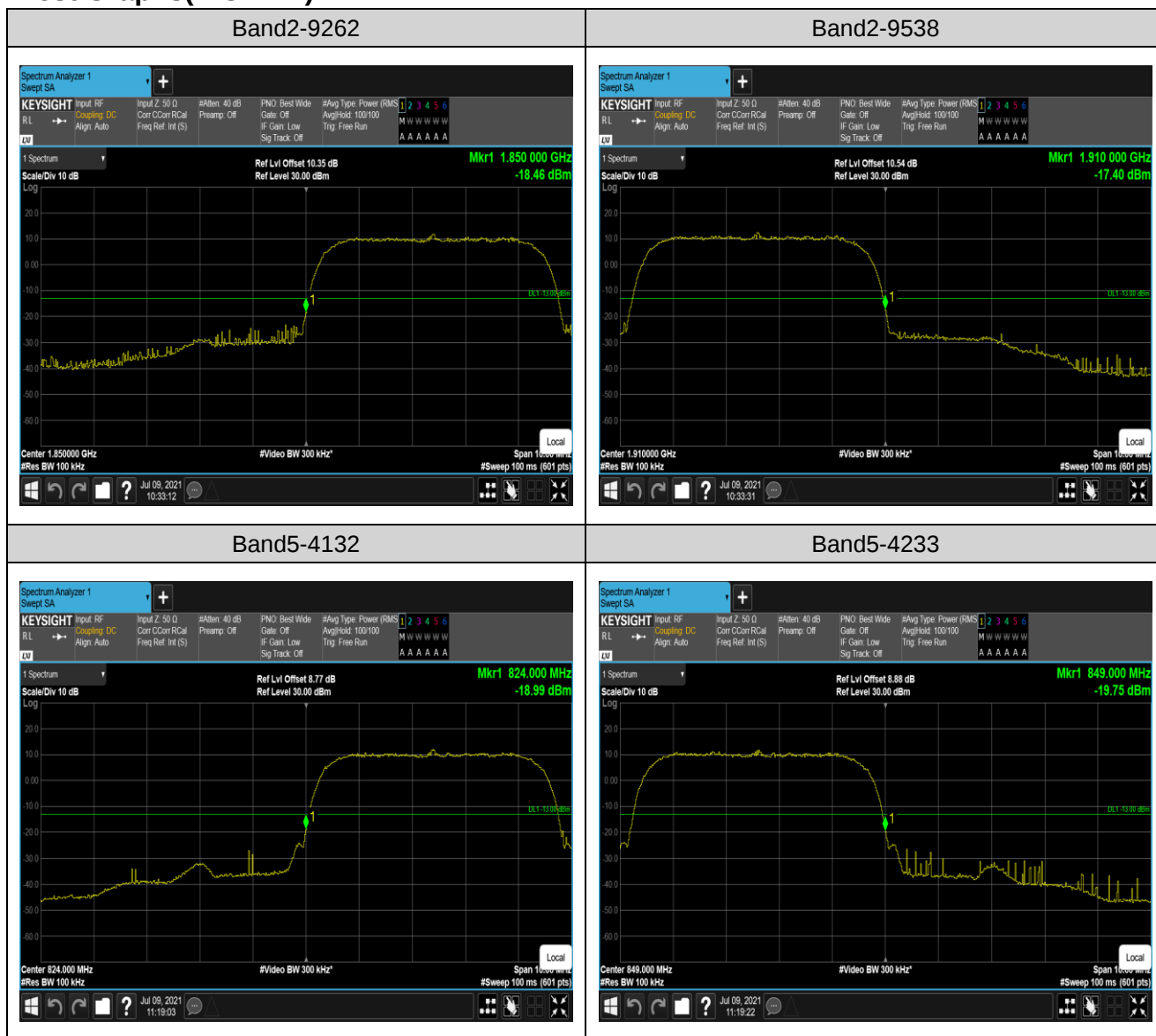


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.46	-13	PASS
Band2	9538	1910.00	-17.40	-13	PASS
Band5	4132	824.00	-18.99	-13	PASS
Band5	4233	849.00	-19.75	-13	PASS

Test Graphs(WCDMA)

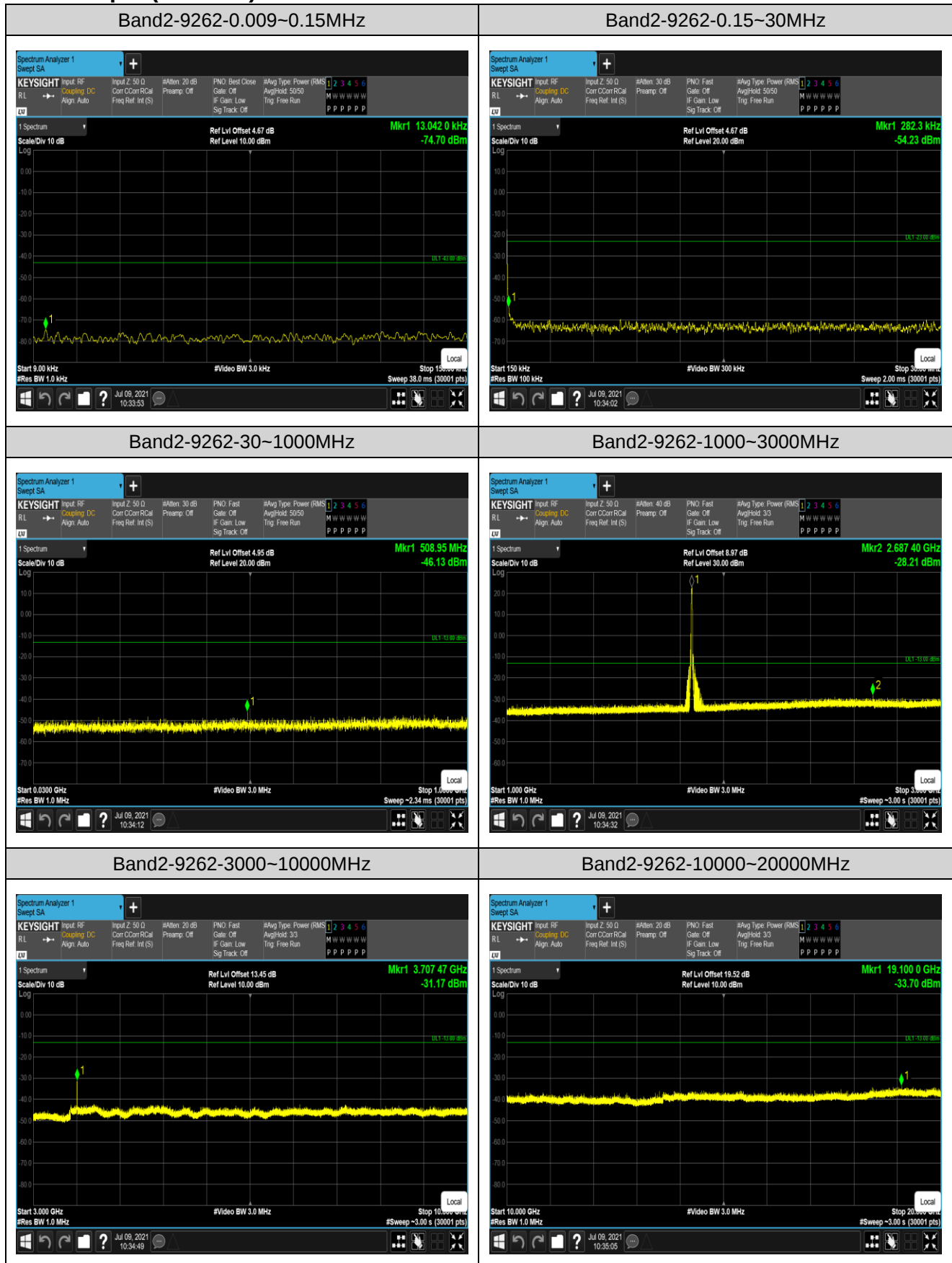


AppendixE:Conducted SpuriousEmission

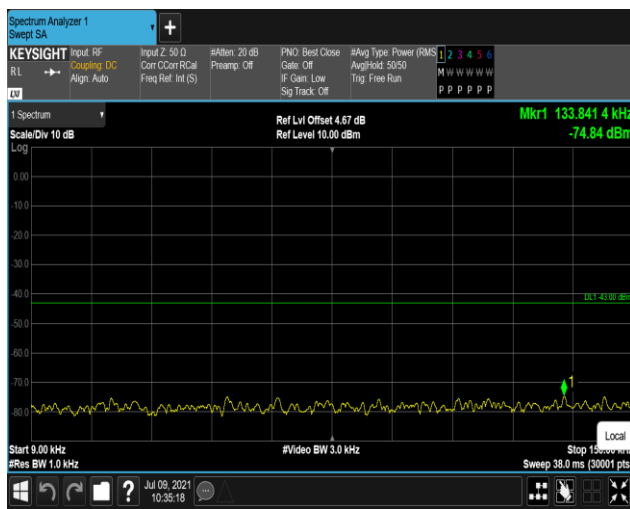
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-74.7	-43	PASS
Band2	9262	0.15~30MHz	0.28	-54.23	-23	PASS
Band2	9262	30~1000MHz	508.95	-46.13	-13	PASS
Band2	9262	1000~3000MHz	2687.4	-28.21	-13	PASS
Band2	9262	3000~10000MHz	3707.47	-31.17	-13	PASS
Band2	9262	10000~20000MHz	19100	-33.7	-13	PASS
Band2	9400	0.009~0.15MHz	0.13	-74.84	-43	PASS
Band2	9400	0.15~30MHz	0.28	-54	-23	PASS
Band2	9400	30~1000MHz	752.62	-46.41	-13	PASS
Band2	9400	1000~3000MHz	2997.67	-29.05	-13	PASS
Band2	9400	3000~10000MHz	3757.4	-32.56	-13	PASS
Band2	9400	10000~20000MHz	19762	-33.17	-13	PASS
Band2	9538	0.009~0.15MHz	0.12	-74.47	-43	PASS
Band2	9538	0.15~30MHz	0.28	-51.38	-23	PASS
Band2	9538	30~1000MHz	916.77	-46.56	-13	PASS
Band2	9538	1000~3000MHz	2974.8	-28.64	-13	PASS
Band2	9538	3000~10000MHz	3812.7	-31.61	-13	PASS
Band2	9538	10000~20000MHz	19036	-33.51	-13	PASS
Band5	4132	0.009~0.15MHz	0.07	-75.34	-33	PASS
Band5	4132	0.15~30MHz	0.29	-54.7	-13	PASS
Band5	4132	30~1000MHz	934.91	-38.03	-13	PASS
Band5	4132	1000~3000MHz	2442.27	-36.74	-13	PASS
Band5	4132	3000~10000MHz	3300.77	-40.32	-13	PASS
Band5	4132	10000~18000MHz	14790.13	-43.07	-13	PASS
Band5	4183	0.009~0.15MHz	0.13	-73.94	-33	PASS
Band5	4183	0.15~30MHz	0.28	-55.71	-13	PASS
Band5	4183	30~1000MHz	575.85	-37.78	-13	PASS
Band5	4183	1000~3000MHz	2753.67	-36.71	-13	PASS
Band5	4183	3000~10000MHz	3351.17	-39.26	-13	PASS
Band5	4183	10000~18000MHz	14188	-43.14	-13	PASS
Band5	4233	0.009~0.15MHz	0.13	-74.52	-33	PASS
Band5	4233	0.15~30MHz	0.28	-54.45	-13	PASS
Band5	4233	30~1000MHz	703.37	-37.16	-13	PASS
Band5	4233	1000~3000MHz	2502	-36.81	-13	PASS
Band5	4233	3000~10000MHz	3391.07	-38.6	-13	PASS
Band5	4233	10000~18000MHz	15357.6	-42.81	-13	PASS

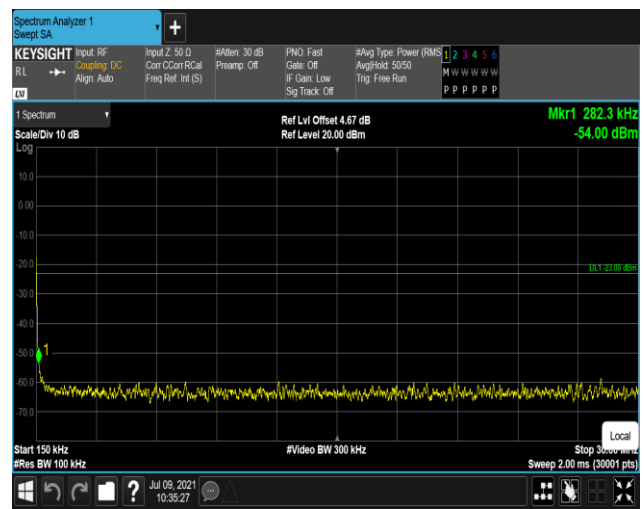
Test Graphs(WCDMA)



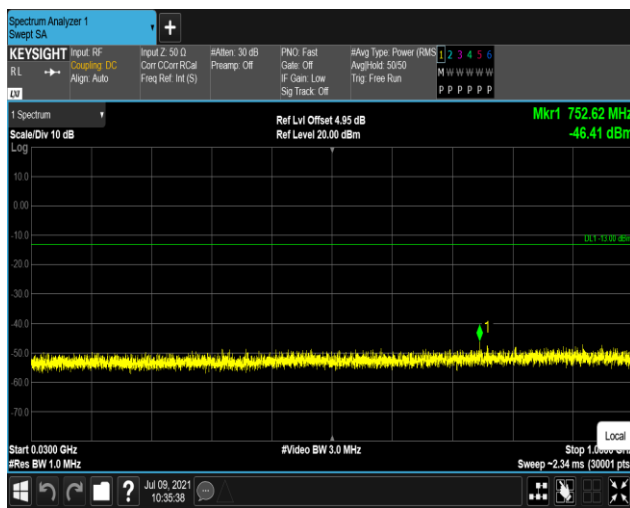
Band2-9400-0.009~0.15MHz



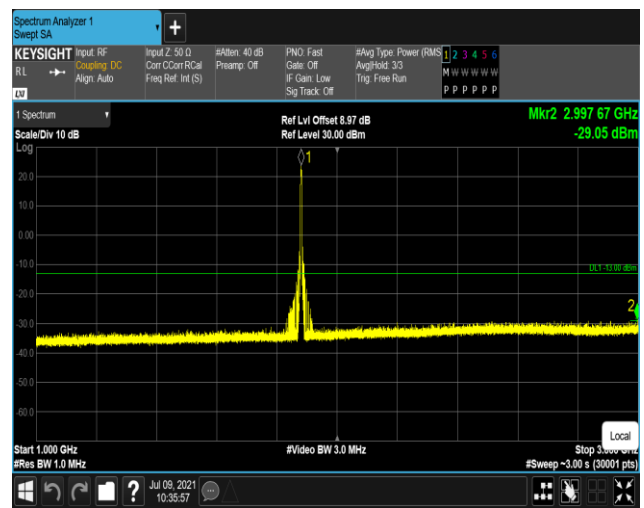
Band2-9400-0.15~30MHz



Band2-9400-30~1000MHz



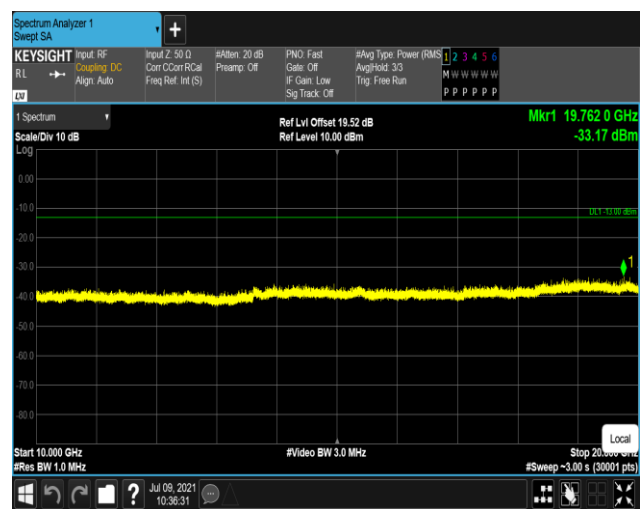
Band2-9400-1000~3000MHz



Band2-9400-3000~10000MHz



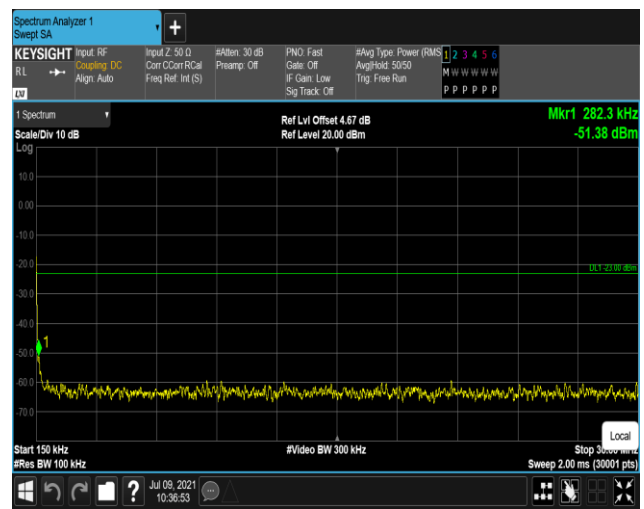
Band2-9400-10000~20000MHz



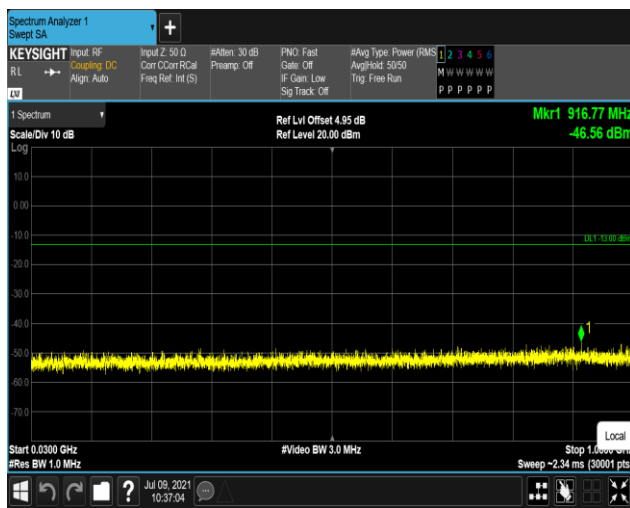
Band2-9538-0.009~0.15MHz



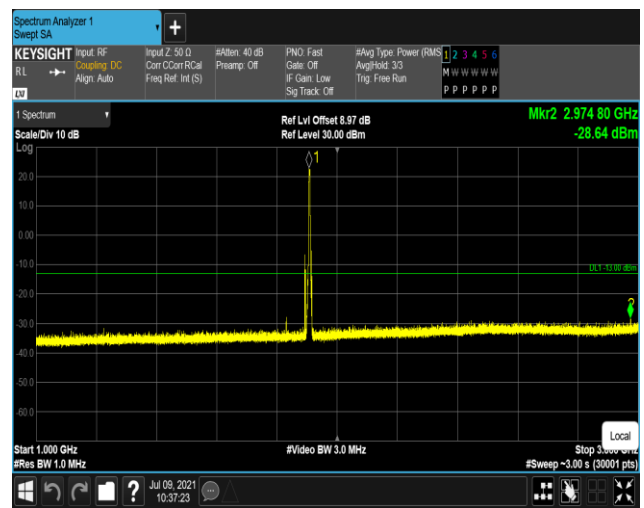
Band2-9538-0.15~30MHz



Band2-9538-30~1000MHz



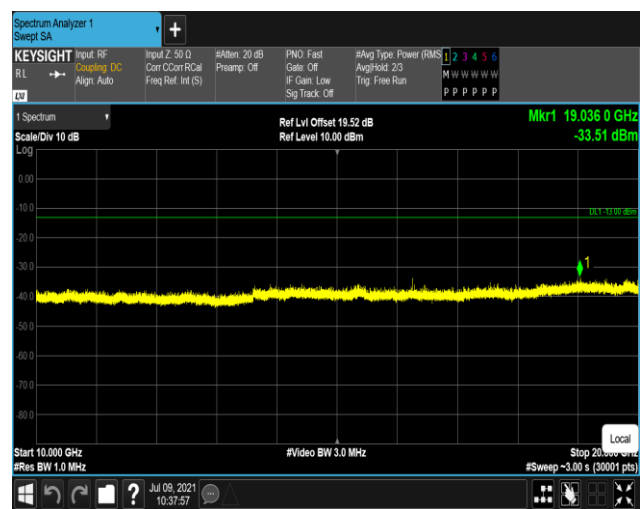
Band2-9538-1000~3000MHz



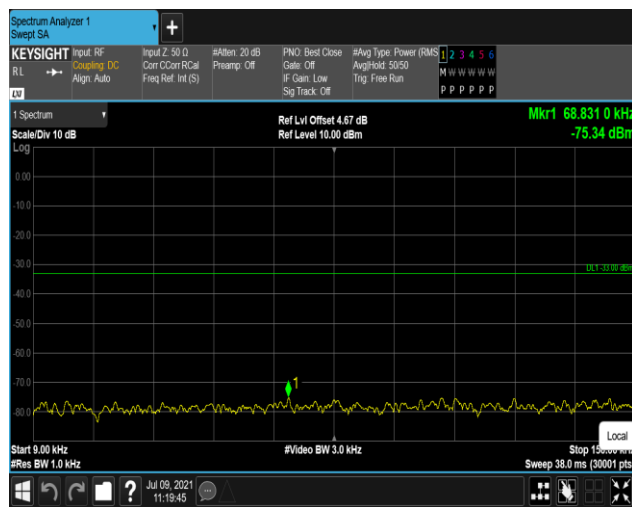
Band2-9538-3000~10000MHz



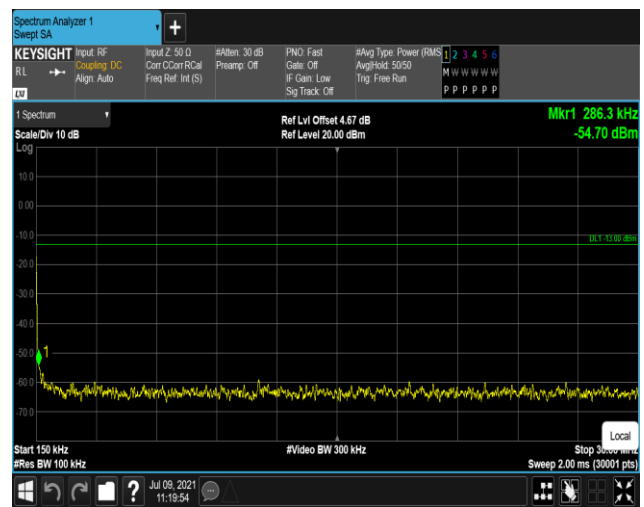
Band2-9538-10000~20000MHz



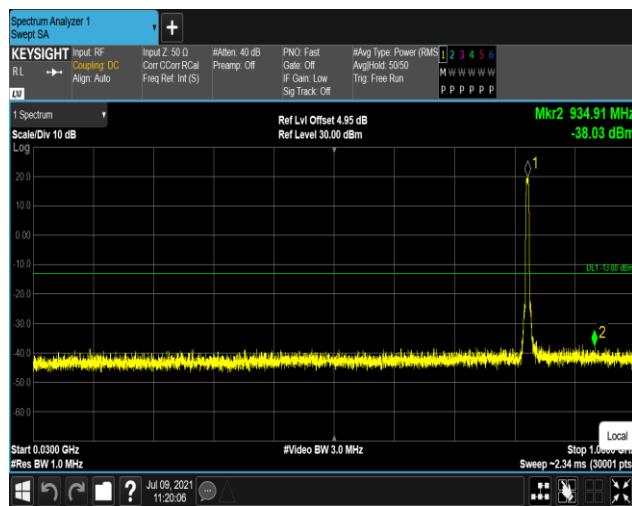
Band5-4132-0.009~0.15MHz



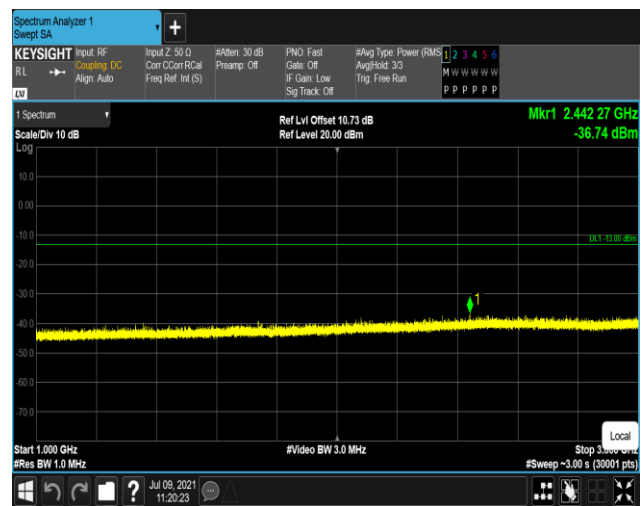
Band5-4132-0.15~30MHz



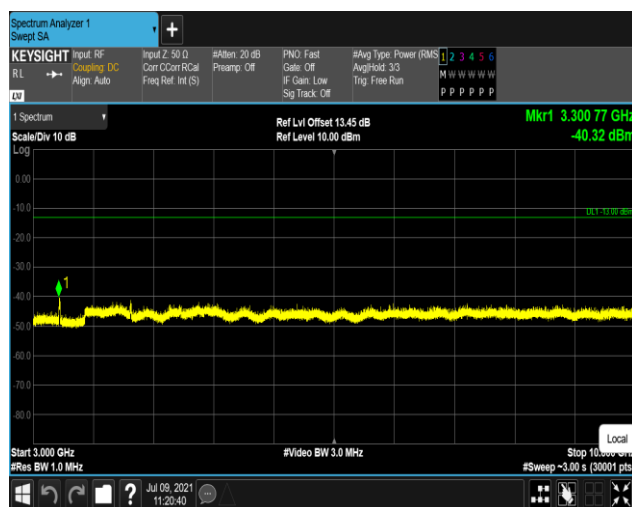
Band5-4132-30~1000MHz



Band5-4132-1000~3000MHz



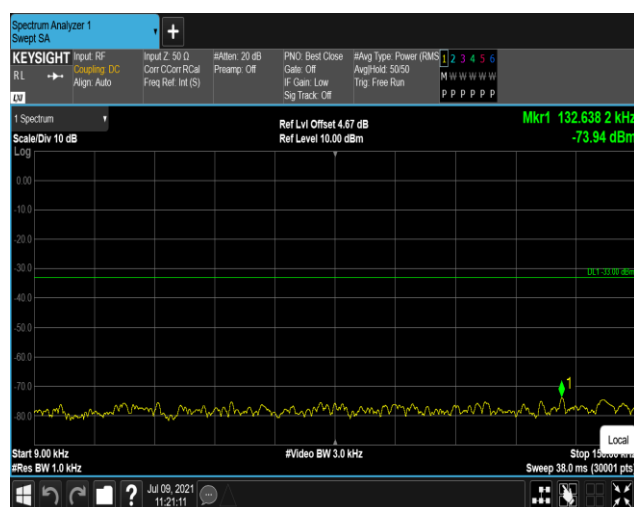
Band5-4132-3000~10000MHz



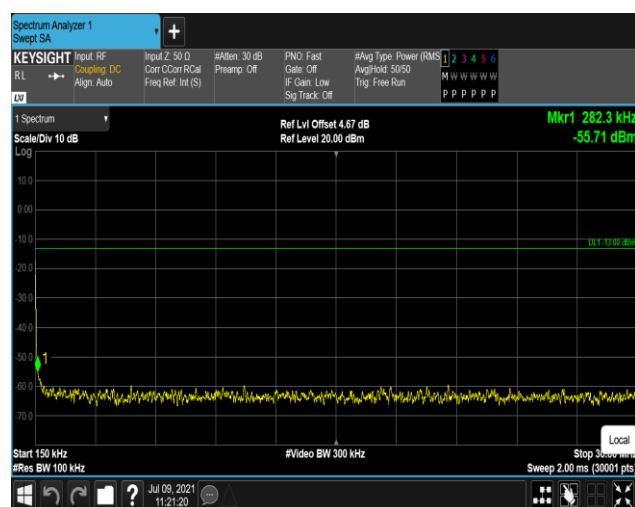
Band5-4132-10000~18000MHz



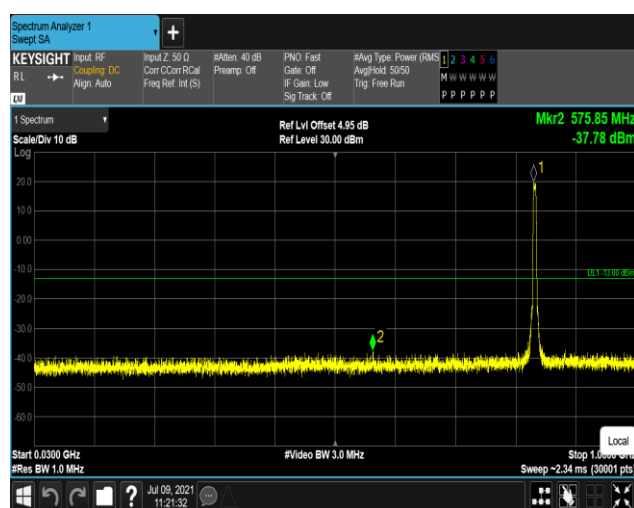
Band5-4183-0.009~0.15MHz



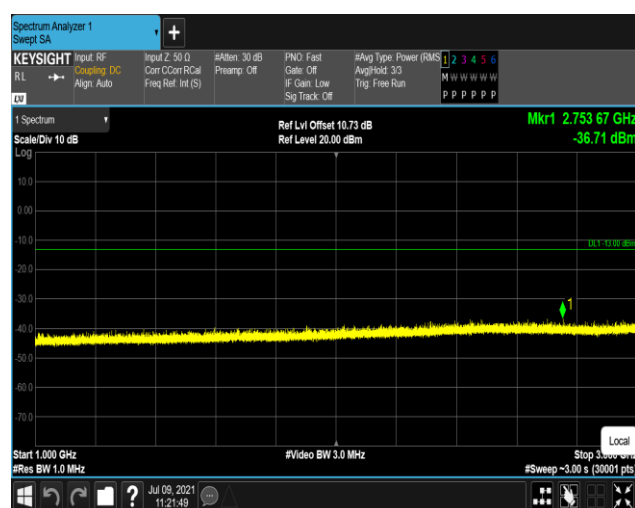
Band5-4183-0.15~30MHz



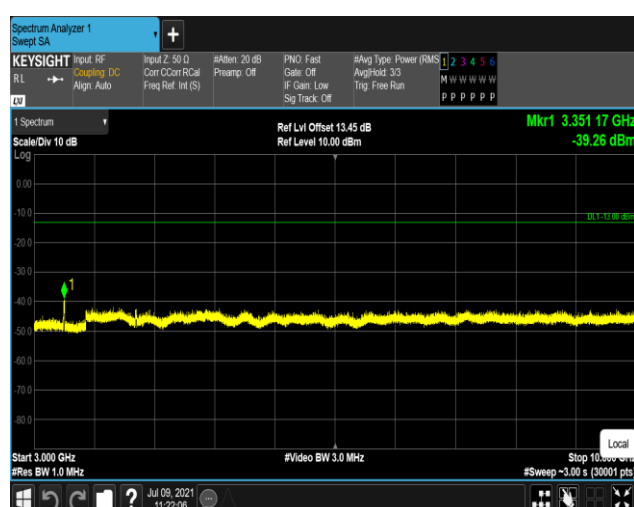
Band5-4183-30~1000MHz



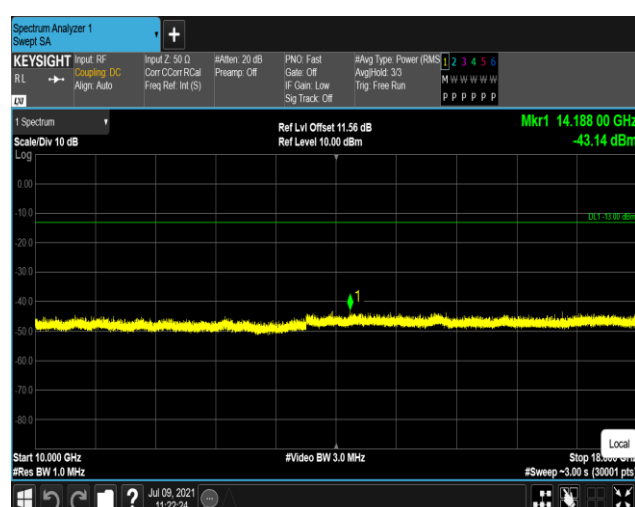
Band5-4183-1000~3000MHz



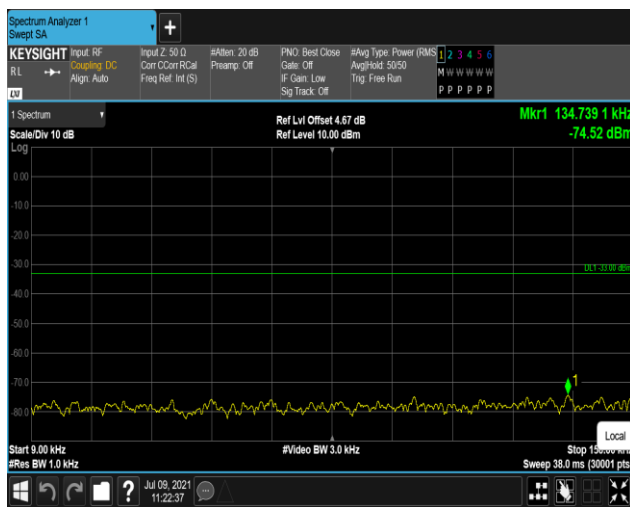
Band5-4183-3000~10000MHz



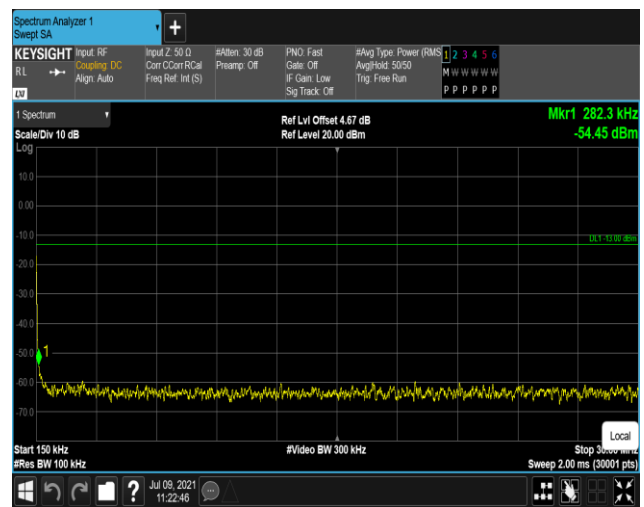
Band5-4183-10000~18000MHz



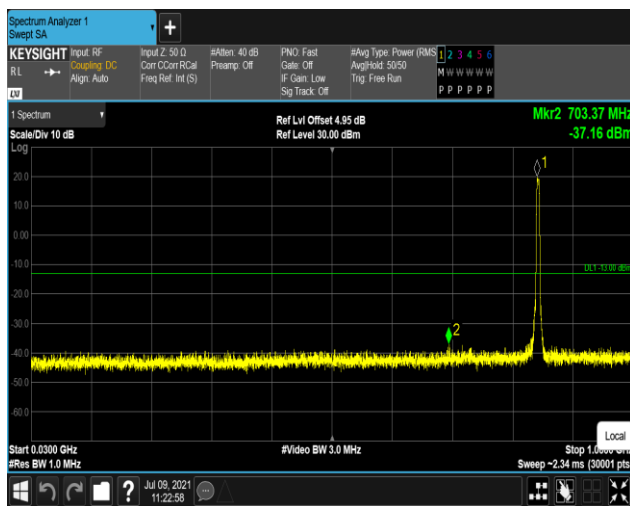
Band5-4233-0.009~0.15MHz



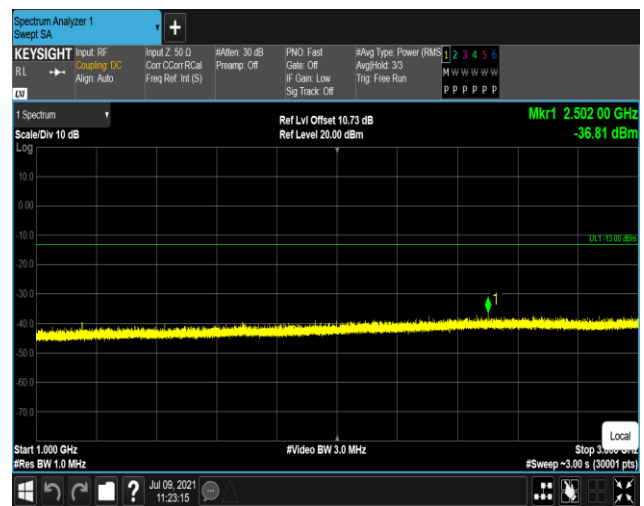
Band5-4233-0.15~30MHz



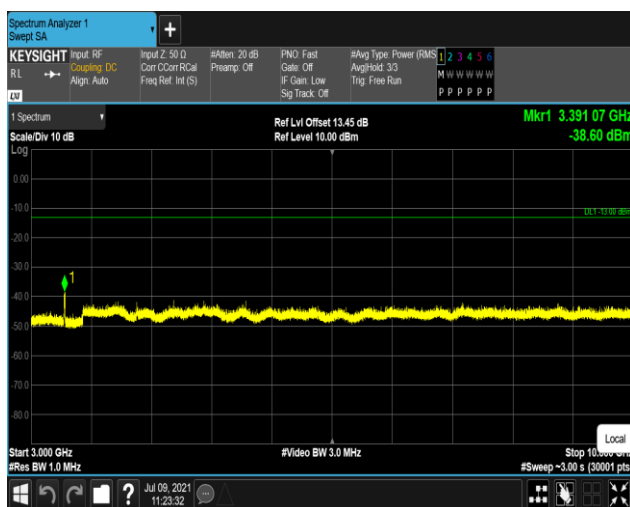
Band5-4233-30~1000MHz



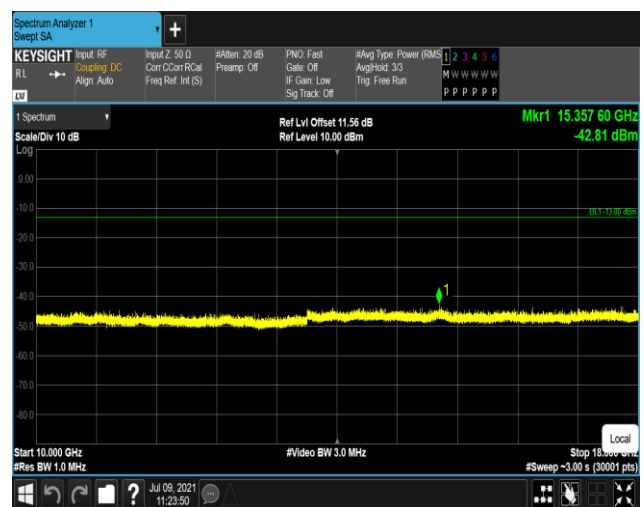
Band5-4233-1000~3000MHz



Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz



AppendixF:Frequency Stability

Test Result:

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	-11.15	-0.013328	±2.5	Pass
	-20	-12.09	-0.014451		
	-10	-12.44	-0.014870		
	0	-11.68	-0.013961		
	10	-13.37	-0.015981		
	20	-11.77	-0.014069		
	30	-10.75	-0.012850		
	40	-10.94	-0.013077		
	50	-11.55	-0.013806		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-12.78	-0.015276	±2.5	Pass
	3.85	-13.75	-0.016436		
	4.40	-12.11	-0.014475		
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		
3.85	-30	-13.53	-0.007197	Within authorized band for BAND II	Pass
	-20	-11.74	-0.006245		
	-10	-14.61	-0.007771		
	0	-11.62	-0.006181		
	10	-14.73	-0.007835		
	20	-10.76	-0.005723		
	30	-12.04	-0.006404		
	40	-13.50	-0.007181		
	50	-9.68	-0.005149		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-10.82	-0.005755	Within authorized band for BAND II	Pass
	3.85	-11.60	-0.006170		
	4.40	-15.66	-0.008330		
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

