

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	23.97	23.47	33	PASS
Band2	TestMode	9262	24.02	23.52	33	PASS
Band2	Voice	9400	24.21	23.71	33	PASS
Band2	TestMode	9400	24.24	23.74	33	PASS
Band2	Voice	9538	24.15	23.65	33	PASS
Band2	TestMode	9538	24.18	23.68	33	PASS
Band5	Voice	4132	23.97	20.22	38.5	PASS
Band5	TestMode	4132	24.02	20.27	38.5	PASS
Band5	Voice	4183	24.24	21.59	38.5	PASS
Band5	TestMode	4183	24.21	21.56	38.5	PASS
Band5	Voice	4233	24.15	21.5	38.5	PASS
Band5	TestMode	4233	24.18	21.53	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.99	22.49	33	PASS
Band2	9262	2	22.56	22.06	33	PASS
Band2	9262	3	22.44	21.94	33	PASS
Band2	9262	4	22.39	21.89	33	PASS
Band2	9400	1	22.98	22.48	33	PASS
Band2	9400	2	22.40	21.90	33	PASS
Band2	9400	3	22.43	21.93	33	PASS
Band2	9400	4	22.42	21.92	33	PASS
Band2	9538	1	23.06	22.56	33	PASS
Band2	9538	2	22.46	21.96	33	PASS
Band2	9538	3	22.46	21.96	33	PASS
Band2	9538	4	22.53	22.03	33	PASS
Band5	4132	1	23.11	19.36	38.5	PASS
Band5	4132	2	22.69	18.94	38.5	PASS
Band5	4132	3	22.60	18.85	38.5	PASS
Band5	4132	4	22.57	18.82	38.5	PASS
Band5	4183	1	23.31	19.56	38.5	PASS
Band5	4183	2	22.76	19.01	38.5	PASS
Band5	4183	3	22.74	18.99	38.5	PASS

Band5	4183	4	22.74	18.99	38.5	PASS
Band5	4233	1	23.29	19.54	38.5	PASS
Band5	4233	2	22.75	19.00	38.5	PASS
Band5	4233	3	22.77	19.02	38.5	PASS
Band5	4233	4	22.70	18.95	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.93	21.43	33	PASS
Band2	9262	2	22.42	21.92	33	PASS
Band2	9262	3	22.97	22.47	33	PASS
Band2	9262	4	21.95	21.45	33	PASS
Band2	9262	5	23.93	23.43	33	PASS
Band2	9400	1	21.91	21.41	33	PASS
Band2	9400	2	22.44	21.94	33	PASS
Band2	9400	3	22.94	22.44	33	PASS
Band2	9400	4	21.97	21.47	33	PASS
Band2	9400	5	23.91	23.41	33	PASS
Band2	9538	1	21.97	21.47	33	PASS
Band2	9538	2	22.48	21.98	33	PASS
Band2	9538	3	23.00	22.50	33	PASS
Band2	9538	4	22.00	21.50	33	PASS
Band2	9538	5	23.97	23.47	33	PASS
Band5	4132	1	22.12	18.37	38.5	PASS
Band5	4132	2	22.60	18.85	38.5	PASS
Band5	4132	3	23.09	19.34	38.5	PASS
Band5	4132	4	22.10	18.35	38.5	PASS
Band5	4132	5	23.37	19.62	38.5	PASS
Band5	4183	1	22.30	18.55	38.5	PASS
Band5	4183	2	22.79	19.04	38.5	PASS
Band5	4183	3	23.28	19.53	38.5	PASS
Band5	4183	4	22.32	18.57	38.5	PASS
Band5	4183	5	23.56	19.81	38.5	PASS
Band5	4233	1	22.26	18.51	38.5	PASS
Band5	4233	2	22.76	19.01	38.5	PASS
Band5	4233	3	23.26	19.51	38.5	PASS
Band5	4233	4	22.33	18.58	38.5	PASS
Band5	4233	5	23.59	19.84	38.5	PASS

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

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

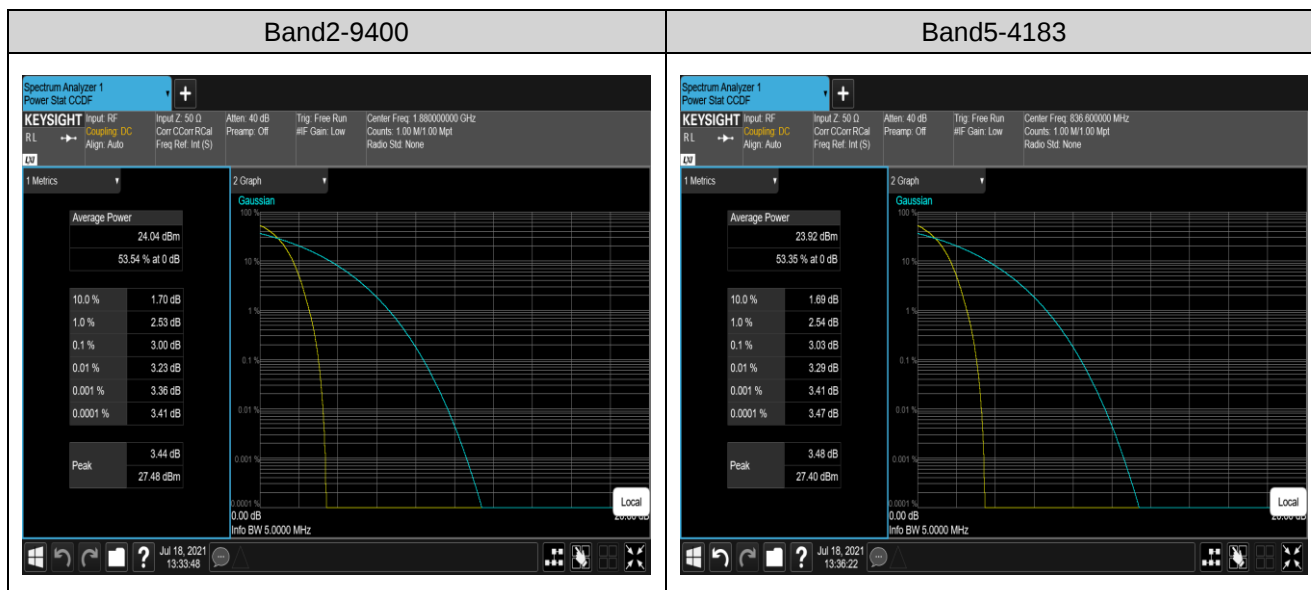
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3	13	PASS
Band5	4183	3.03	13	PASS

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

Test Graphs(WCDMA)



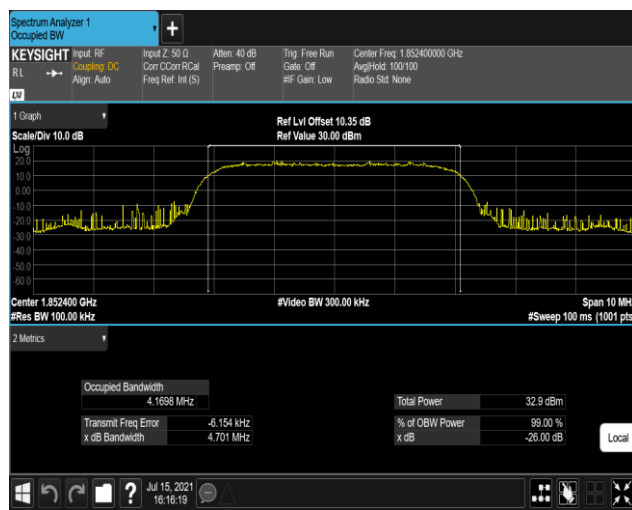
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

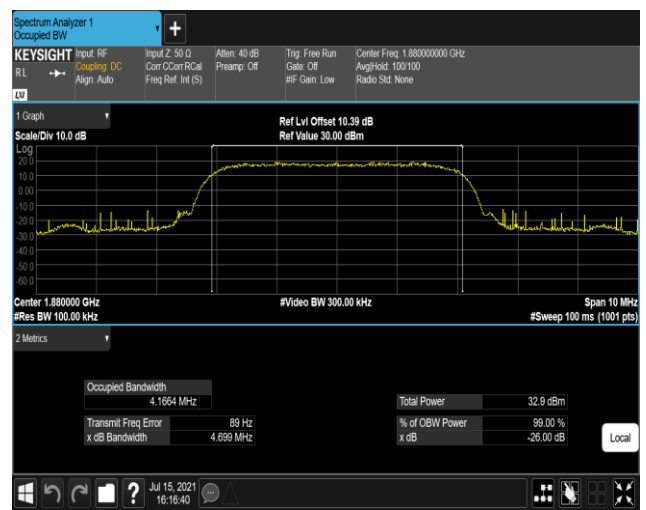
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1698	4.701	---	PASS
Band2	9400	4.1664	4.699	---	PASS
Band2	9538	4.1636	4.702	---	PASS
Band5	4132	4.1612	4.711	---	PASS
Band5	4183	4.1674	4.695	---	PASS
Band5	4233	4.1576	4.693	---	PASS

Test Graphs(WCDMA)

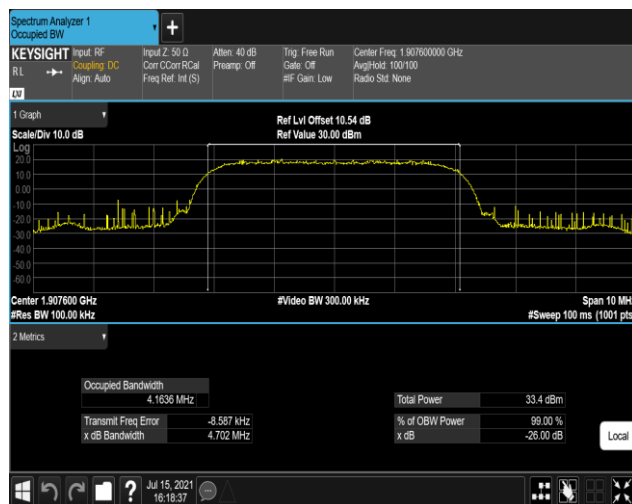
Band2-9262-4.701



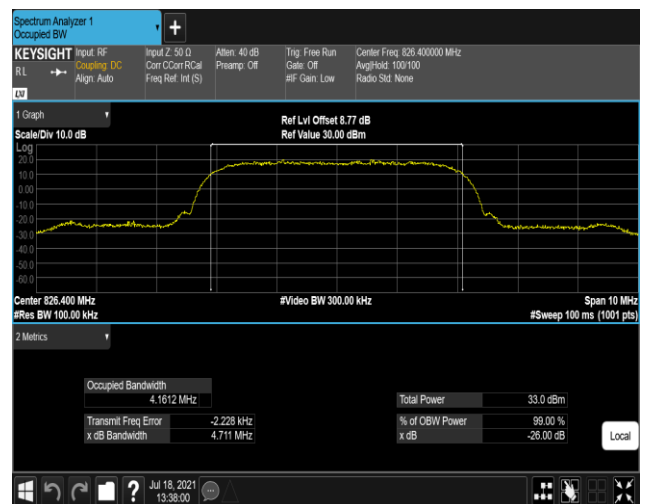
Band2-9400-4.699



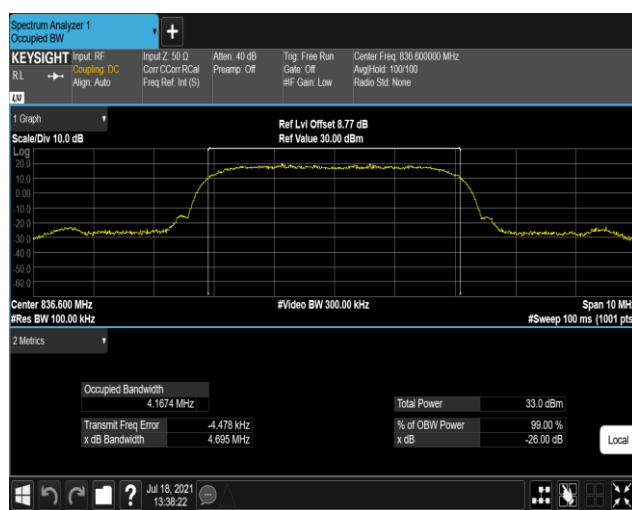
Band2-9538-4.702



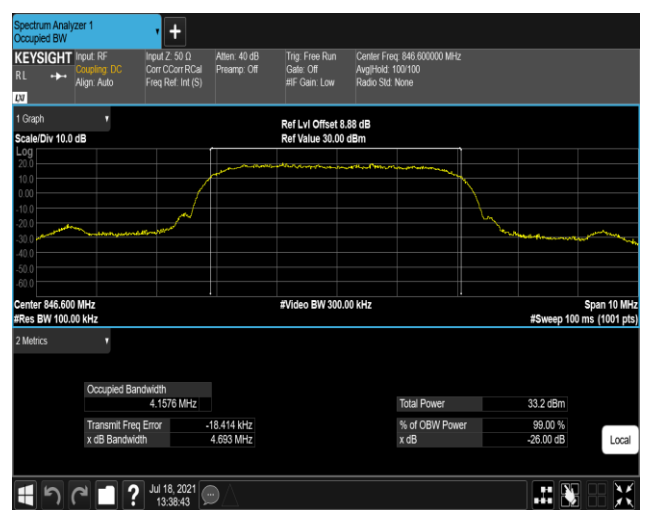
Band5-4132-4.711



Band5-4183-4.695



Band5-4233-4.693

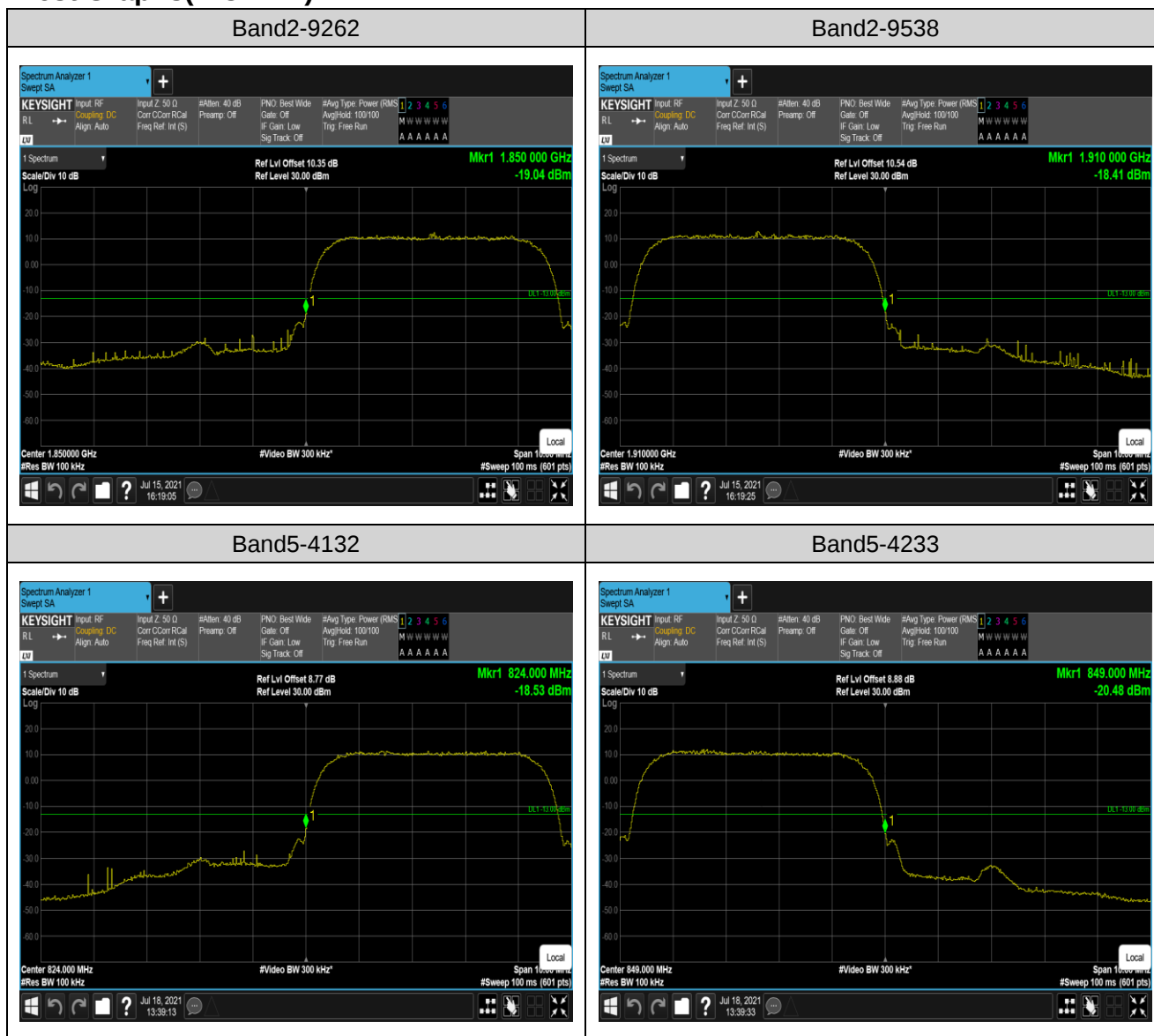


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.04	-13	PASS
Band2	9538	1910.00	-18.41	-13	PASS
Band5	4132	824.00	-18.53	-13	PASS
Band5	4233	849.00	-20.48	-13	PASS

Test Graphs(WCDMA)

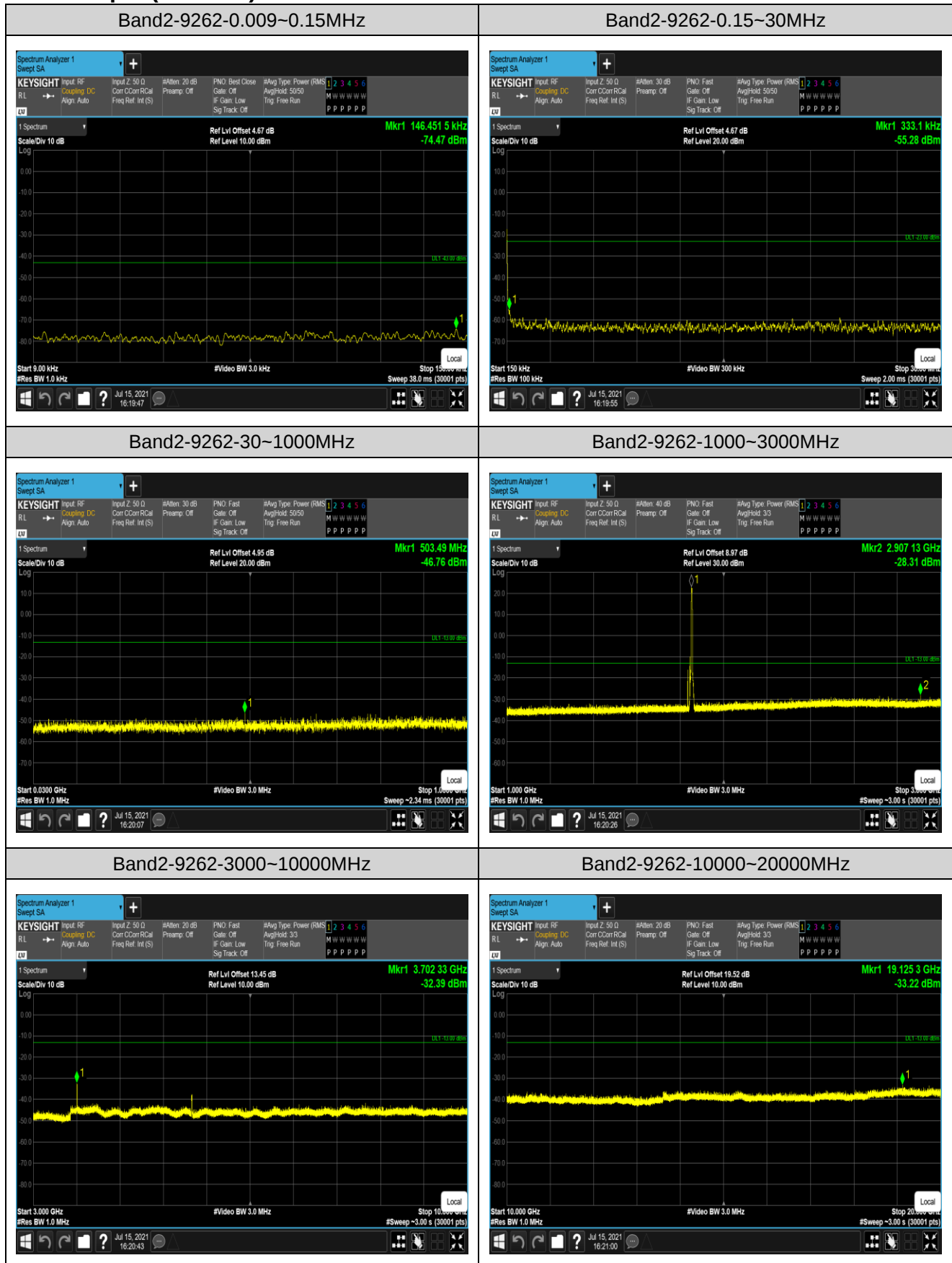


AppendixE:Conducted SpuriousEmission

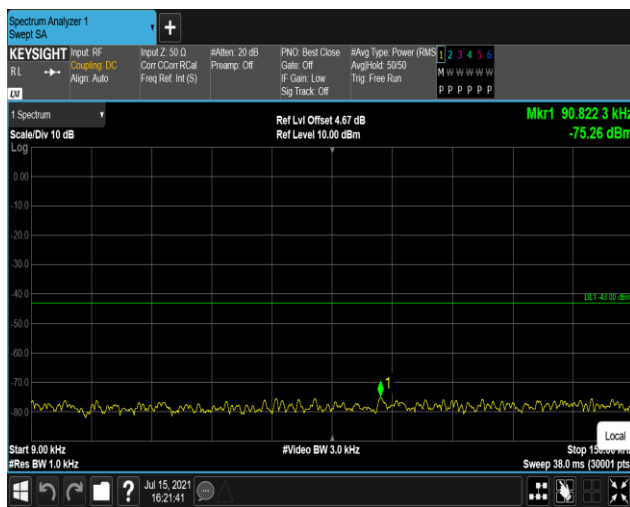
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.15	-74.47	-43	PASS
Band2	9262	0.15~30MHz	0.33	-55.29	-23	PASS
Band2	9262	30~1000MHz	503.49	-46.76	-13	PASS
Band2	9262	1000~3000MHz	2907.13	-28.32	-13	PASS
Band2	9262	3000~10000MHz	3702.33	-32.39	-13	PASS
Band2	9262	10000~20000MHz	19125.33	-33.22	-13	PASS
Band2	9400	0.009~0.15MHz	0.09	-75.26	-43	PASS
Band2	9400	0.15~30MHz	0.28	-55.15	-23	PASS
Band2	9400	30~1000MHz	804.19	-47.37	-13	PASS
Band2	9400	1000~3000MHz	2659.13	-28.9	-13	PASS
Band2	9400	3000~10000MHz	3758.1	-32.79	-13	PASS
Band2	9400	10000~20000MHz	19054	-33.17	-13	PASS
Band2	9538	0.009~0.15MHz	0.12	-74.92	-43	PASS
Band2	9538	0.15~30MHz	0.29	-54.81	-23	PASS
Band2	9538	30~1000MHz	811.08	-46.65	-13	PASS
Band2	9538	1000~3000MHz	2848.6	-28.86	-13	PASS
Band2	9538	3000~10000MHz	3812.93	-30.61	-13	PASS
Band2	9538	10000~20000MHz	18851.33	-33.32	-13	PASS
Band5	4132	0.009~0.15MHz	0.11	-73.96	-33	PASS
Band5	4132	0.15~30MHz	0.28	-53.67	-13	PASS
Band5	4132	30~1000MHz	988.75	-47.37	-13	PASS
Band5	4132	1000~3000MHz	2597.07	-36.57	-13	PASS
Band5	4132	3000~10000MHz	4001.93	-41.87	-13	PASS
Band5	4132	10000~18000MHz	14190.93	-43.28	-13	PASS
Band5	4183	0.009~0.15MHz	0.12	-74.2	-33	PASS
Band5	4183	0.15~30MHz	0.28	-54.12	-13	PASS
Band5	4183	30~1000MHz	989.78	-47.48	-13	PASS
Band5	4183	1000~3000MHz	2527.87	-36.79	-13	PASS
Band5	4183	3000~10000MHz	4924.77	-41.85	-13	PASS
Band5	4183	10000~18000MHz	17393.6	-42	-13	PASS
Band5	4233	0.009~0.15MHz	0.14	-74.62	-33	PASS
Band5	4233	0.15~30MHz	0.28	-56.25	-13	PASS
Band5	4233	30~1000MHz	318.51	-47.04	-13	PASS
Band5	4233	1000~3000MHz	2539.53	-37.06	-13	PASS
Band5	4233	3000~10000MHz	4993.37	-41.58	-13	PASS
Band5	4233	10000~18000MHz	17509.6	-43.67	-13	PASS

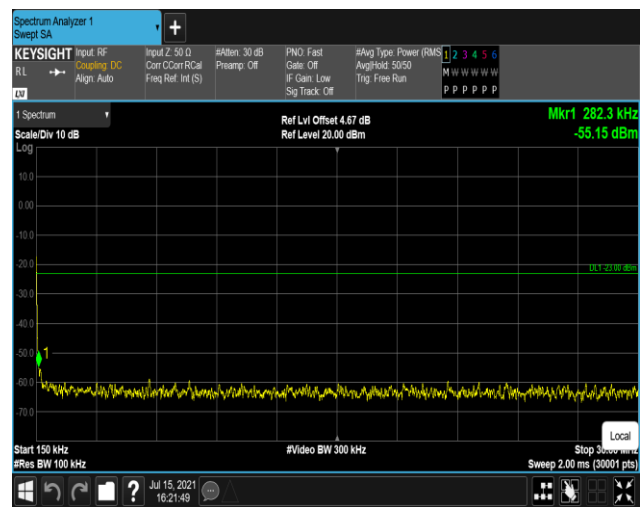
Test Graphs(WCDMA)



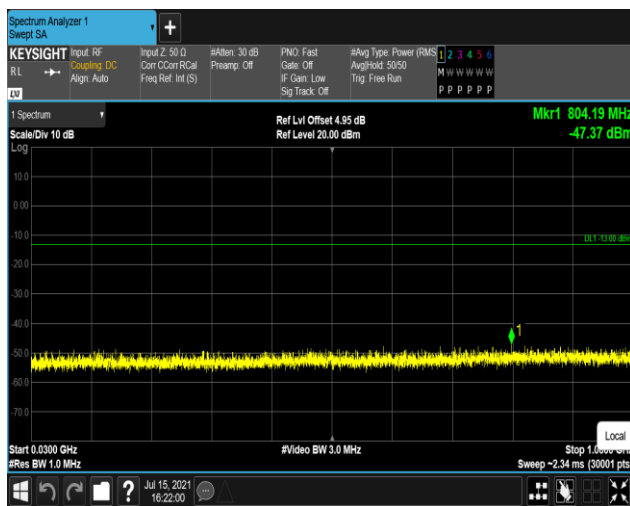
Band2-9400-0.009~0.15MHz



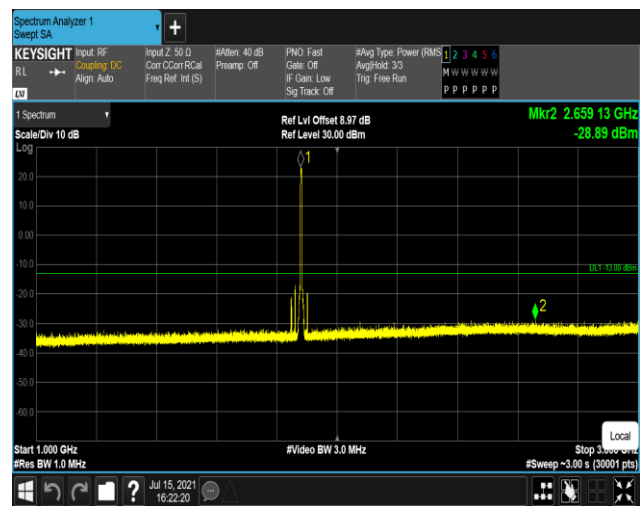
Band2-9400-0.15~30MHz



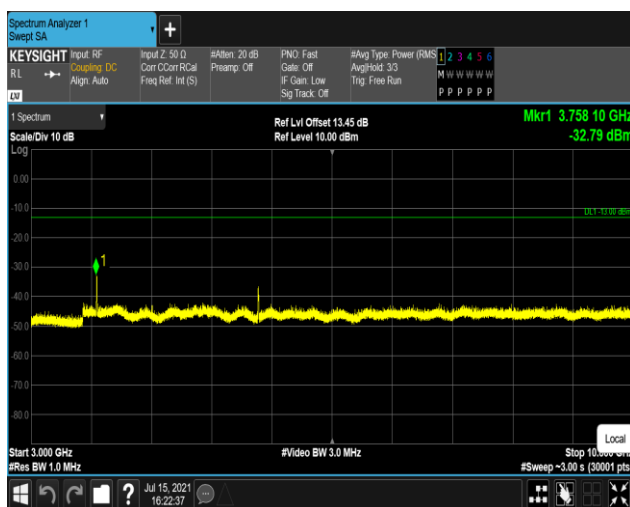
Band2-9400-30~1000MHz



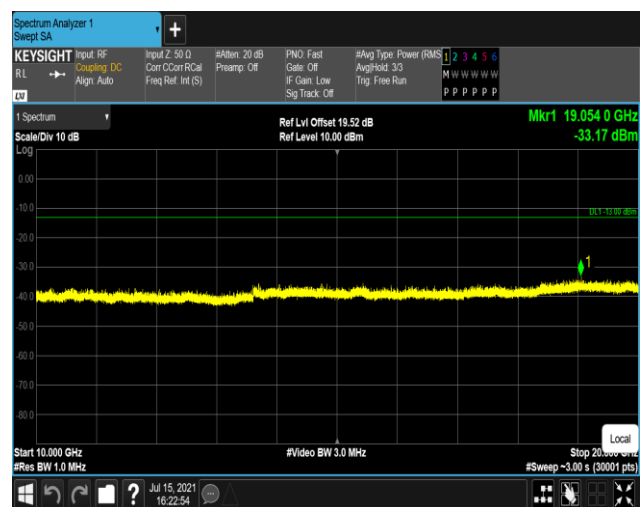
Band2-9400-1000~3000MHz



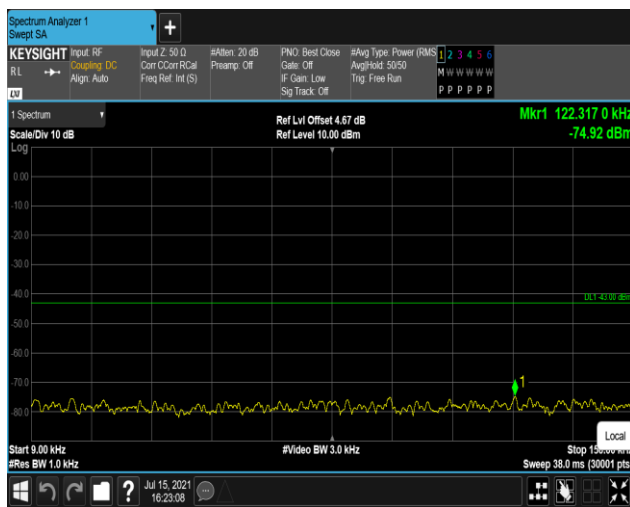
Band2-9400-3000~10000MHz



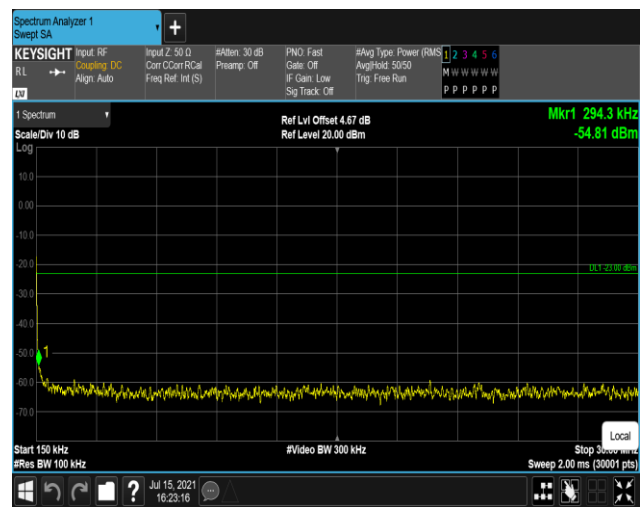
Band2-9400-10000~20000MHz



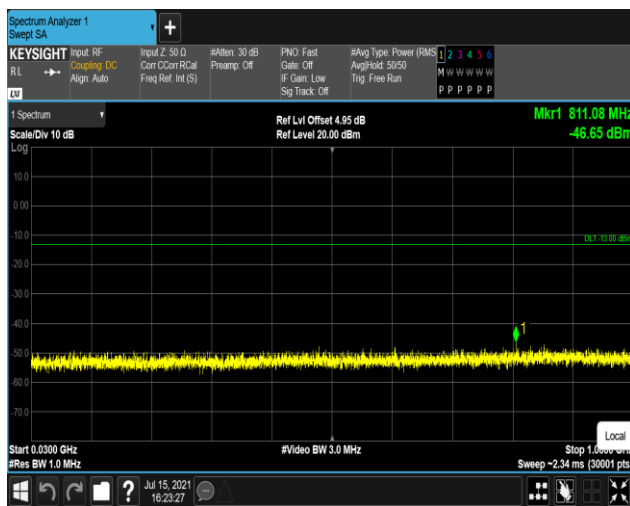
Band2-9538-0.009~0.15MHz



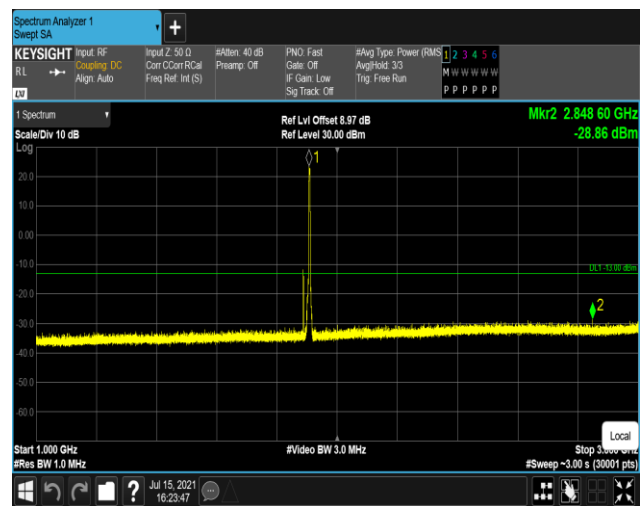
Band2-9538-0.15~30MHz



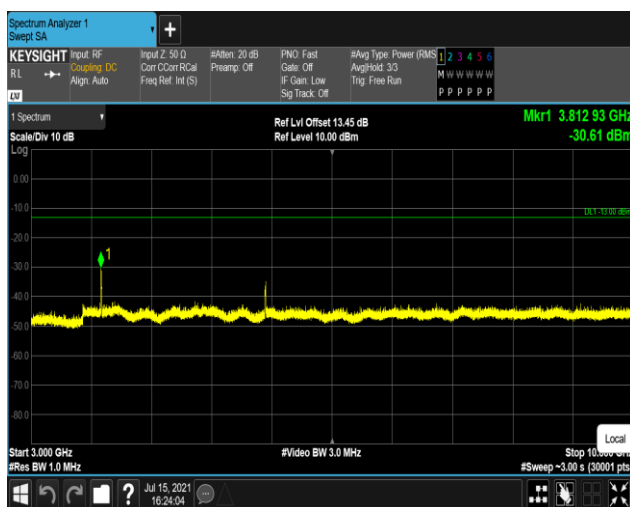
Band2-9538-30~1000MHz



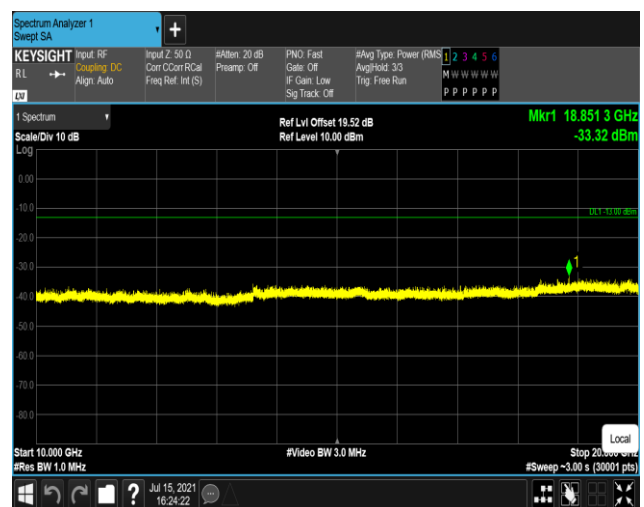
Band2-9538-1000~3000MHz



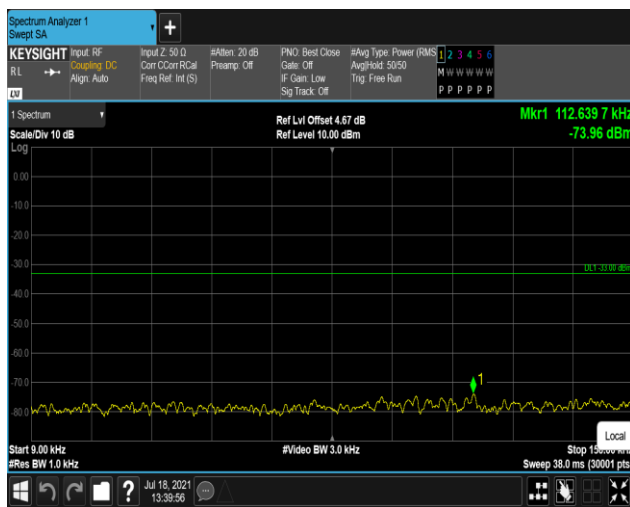
Band2-9538-3000~10000MHz



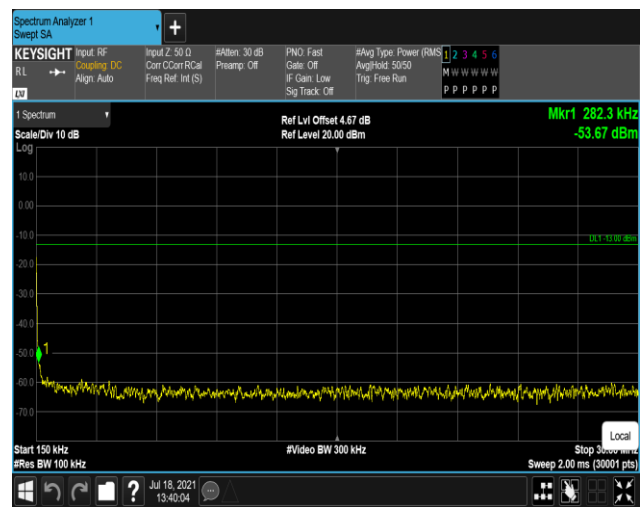
Band2-9538-10000~20000MHz



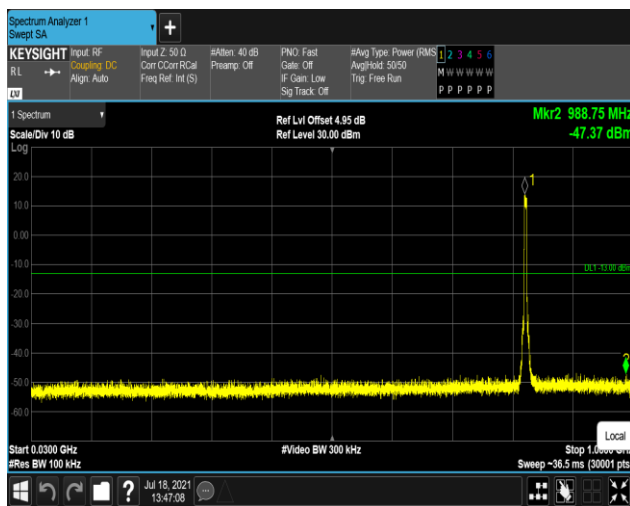
Band5-4132-0.009~0.15MHz



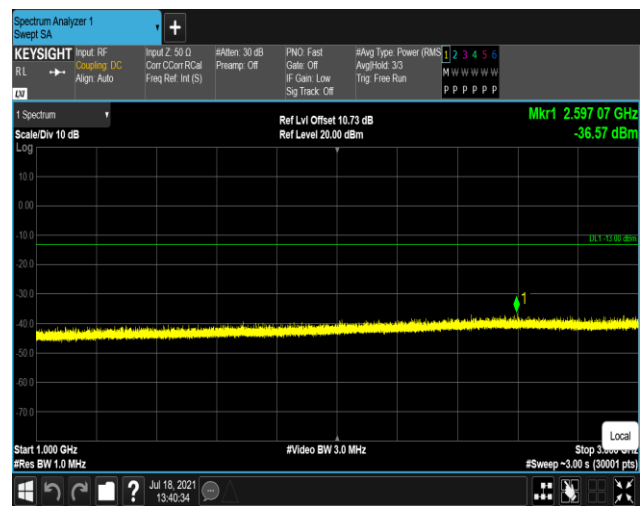
Band5-4132-0.15~30MHz



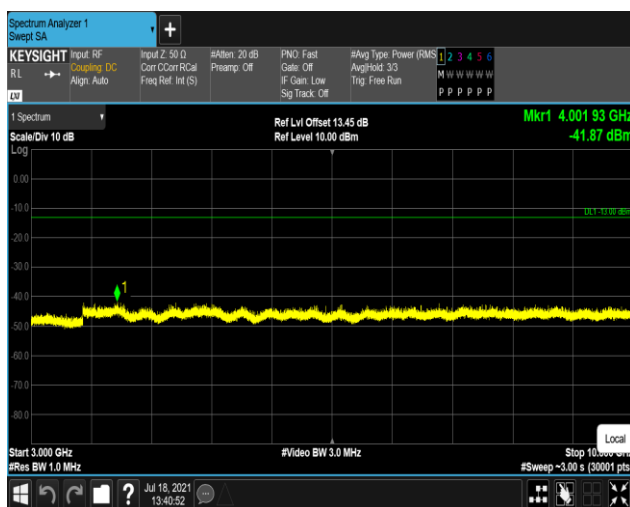
Band5-4132-30~1000MHz



Band5-4132-1000~3000MHz



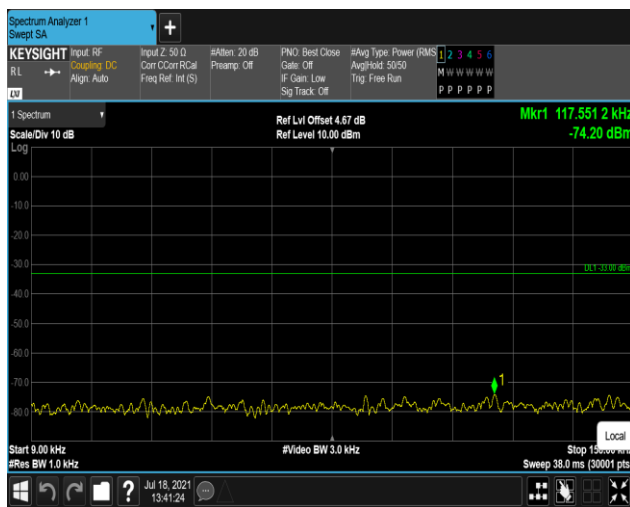
Band5-4132-3000~10000MHz



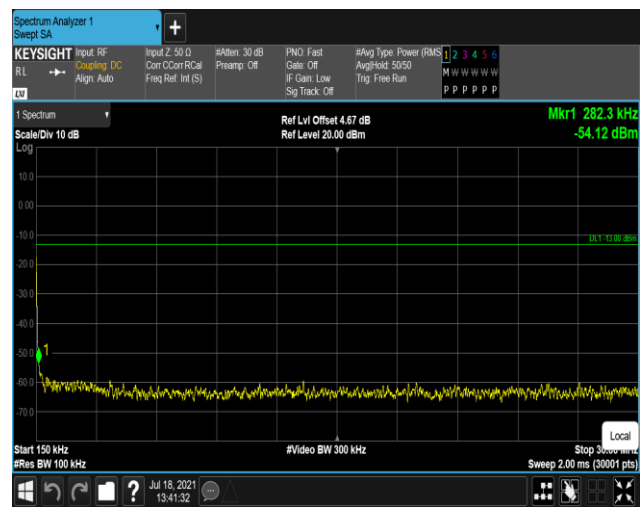
Band5-4132-10000~18000MHz



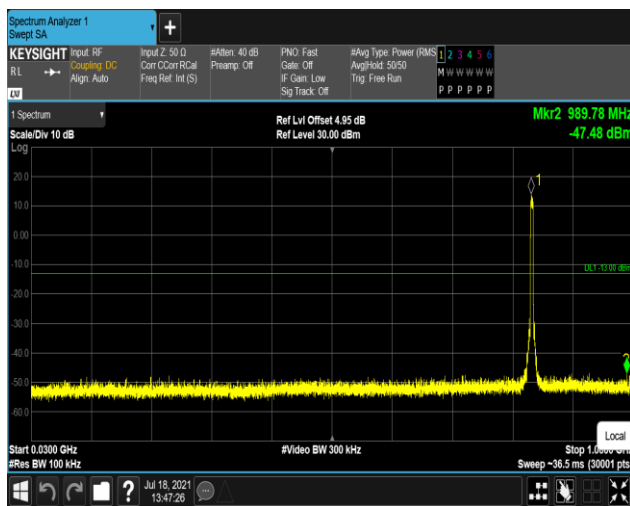
Band5-4183-0.009~0.15MHz



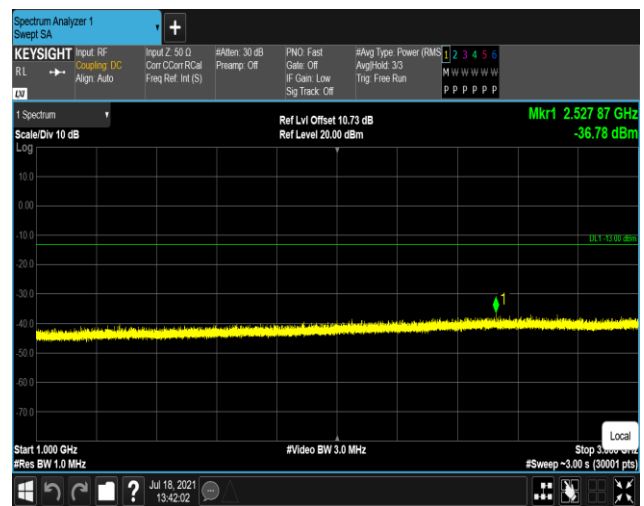
Band5-4183-0.15~30MHz



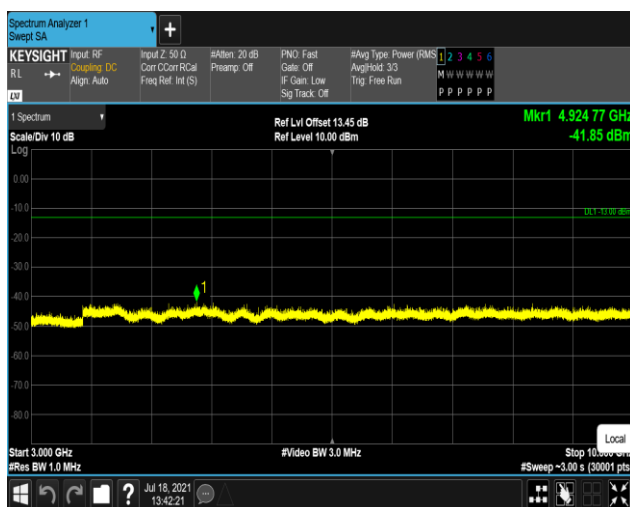
Band5-4183-30~1000MHz



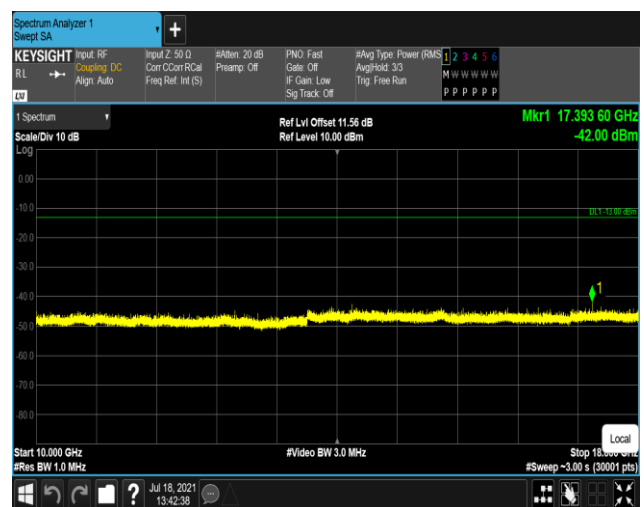
Band5-4183-1000~3000MHz



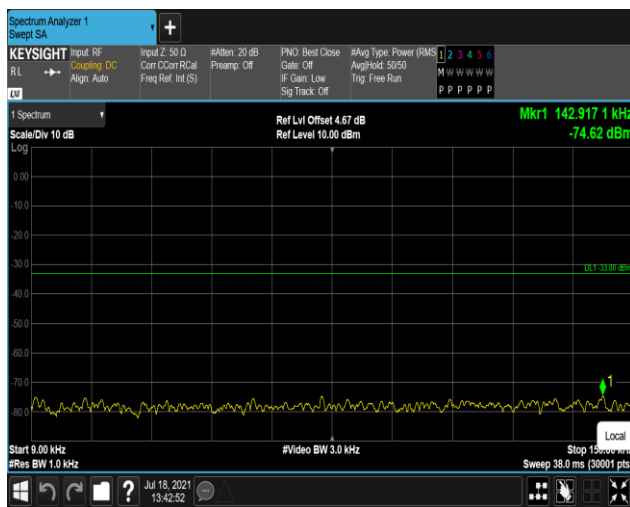
Band5-4183-3000~10000MHz



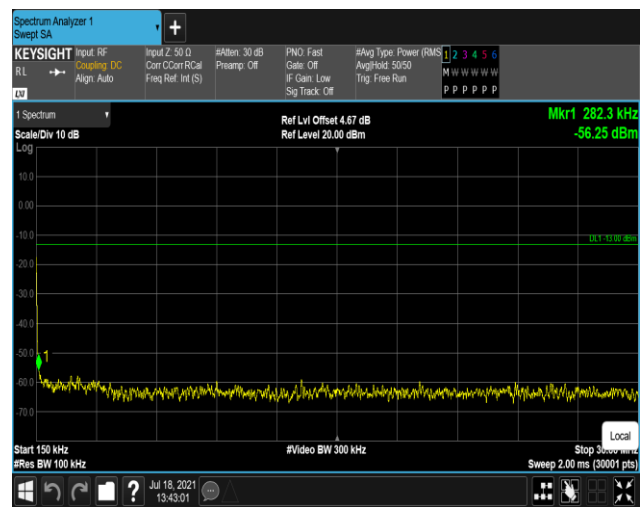
Band5-4183-10000~18000MHz



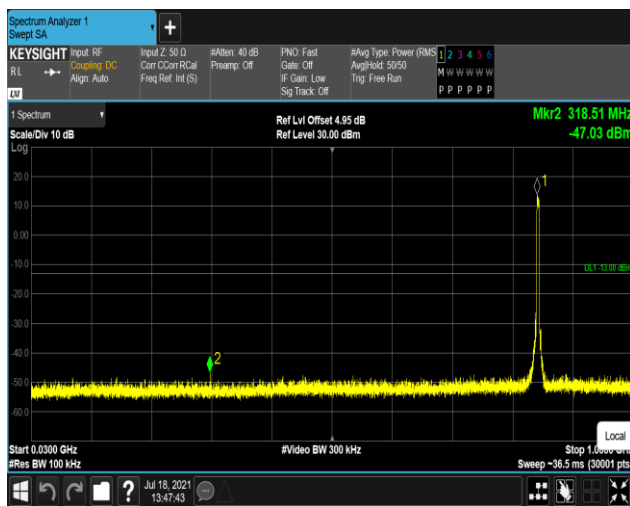
Band5-4233-0.009~0.15MHz



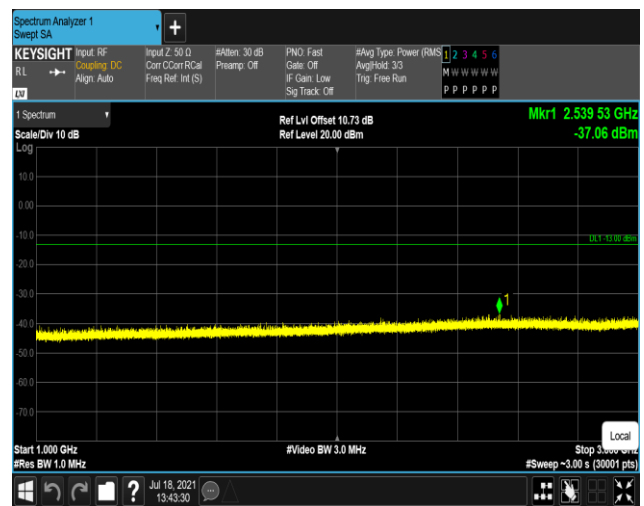
Band5-4233-0.15~30MHz



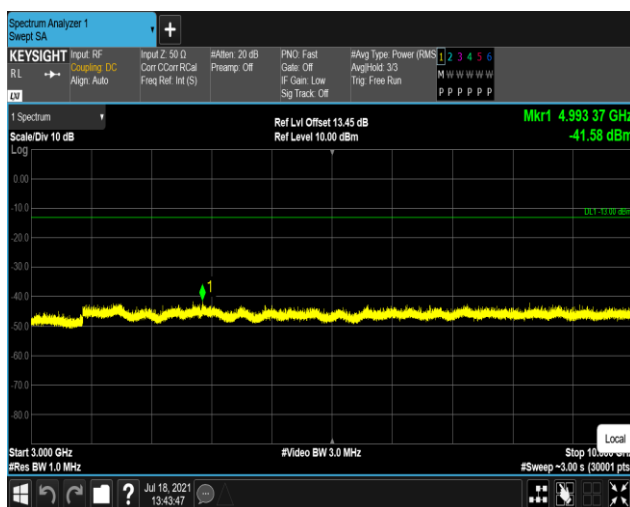
Band5-4233-30~1000MHz



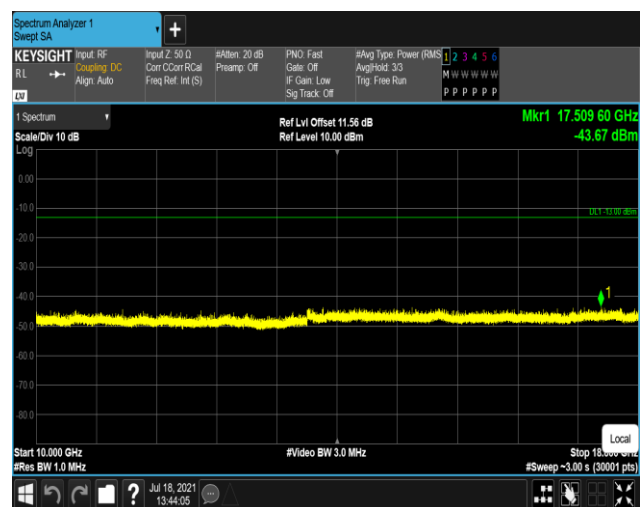
Band5-4233-1000~3000MHz



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	-8.55	-0.010220	±2.5	Pass
	-20	-8.39	-0.010029		
	-10	-8.12	-0.009706		
	0	-11.65	-0.013925		
	10	-11.35	-0.013567		
	20	-7.73	-0.009240		
	30	-7.63	-0.009120		
	40	-5.35	-0.006395		
	50	-8.39	-0.010029		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.23	-0.015814	±2.5	Pass
	3.85	-10.89	-0.013017		
	4.40	-10.84	-0.012957		
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	-11.77	-0.006261	Within authorized band for BAND II	Pass
	-20	-15.44	-0.008213		
	-10	-11.43	-0.006080		
	0	-11.74	-0.006245		
	10	-22.67	-0.012059		
	20	-19.45	-0.010346		
	30	-15.82	-0.008415		
	40	-17.04	-0.009064		
	50	-19.15	-0.010186		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-14.06	-0.007479	Within authorized band for BAND II	Pass
	3.85	-17.69	-0.009410		
	4.40	-14.44	-0.007681		
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

