

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	23.74	22.98	33	PASS
Band2	RMC	9262	23.77	23.01	33	PASS
Band2	Voice	9400	23.79	23.03	33	PASS
Band2	RMC	9400	23.84	23.08	33	PASS
Band2	Voice	9538	23.53	22.77	33	PASS
Band2	RMC	9538	23.61	22.85	33	PASS
Band5	Voice	4132	23.77	18.24	38.5	PASS
Band5	RMC	4132	23.81	18.28	38.5	PASS
Band5	Voice	4183	23.72	18.19	38.5	PASS
Band5	RMC	4183	23.74	18.21	38.5	PASS
Band5	Voice	4233	23.70	18.17	38.5	PASS
Band5	RMC	4233	23.71	18.18	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.69	21.93	33	PASS
Band2	9262	2	22.30	21.54	33	PASS
Band2	9262	3	22.18	21.42	33	PASS
Band2	9262	4	22.17	21.41	33	PASS
Band2	9400	1	22.78	22.02	33	PASS
Band2	9400	2	22.21	21.45	33	PASS
Band2	9400	3	22.23	21.47	33	PASS
Band2	9400	4	22.25	21.49	33	PASS
Band2	9538	1	22.54	21.78	33	PASS
Band2	9538	2	21.98	21.22	33	PASS
Band2	9538	3	21.95	21.19	33	PASS
Band2	9538	4	22.02	21.26	33	PASS
Band5	4132	1	22.80	17.27	38.5	PASS
Band5	4132	2	22.30	16.77	38.5	PASS
Band5	4132	3	22.24	16.71	38.5	PASS
Band5	4132	4	22.21	16.68	38.5	PASS
Band5	4183	1	22.78	17.25	38.5	PASS
Band5	4183	2	22.23	16.70	38.5	PASS
Band5	4183	3	22.22	16.69	38.5	PASS

Band5	4183	4	22.22	16.69	38.5	PASS
Band5	4233	1	22.74	17.21	38.5	PASS
Band5	4233	2	22.20	16.67	38.5	PASS
Band5	4233	3	22.16	16.63	38.5	PASS
Band5	4233	4	22.19	16.66	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.67	19.91	33	PASS
Band2	9262	2	21.16	20.40	33	PASS
Band2	9262	3	21.70	20.94	33	PASS
Band2	9262	4	20.69	19.93	33	PASS
Band2	9262	5	22.68	21.92	33	PASS
Band2	9400	1	20.72	19.96	33	PASS
Band2	9400	2	21.23	20.47	33	PASS
Band2	9400	3	21.72	20.96	33	PASS
Band2	9400	4	20.78	20.02	33	PASS
Band2	9400	5	22.73	21.97	33	PASS
Band2	9538	1	20.44	19.68	33	PASS
Band2	9538	2	20.96	20.20	33	PASS
Band2	9538	3	21.48	20.72	33	PASS
Band2	9538	4	20.49	19.73	33	PASS
Band2	9538	5	22.47	21.71	33	PASS
Band5	4132	1	20.82	15.29	38.5	PASS
Band5	4132	2	21.29	15.76	38.5	PASS
Band5	4132	3	21.83	16.30	38.5	PASS
Band5	4132	4	20.87	15.34	38.5	PASS
Band5	4132	5	22.82	17.29	38.5	PASS
Band5	4183	1	20.82	15.29	38.5	PASS
Band5	4183	2	21.36	15.83	38.5	PASS
Band5	4183	3	21.83	16.3	38.5	PASS
Band5	4183	4	20.84	15.31	38.5	PASS
Band5	4183	5	22.78	17.25	38.5	PASS
Band5	4233	1	20.76	15.23	38.5	PASS
Band5	4233	2	21.26	15.73	38.5	PASS
Band5	4233	3	21.74	16.21	38.5	PASS
Band5	4233	4	20.79	15.26	38.5	PASS
Band5	4233	5	22.76	17.23	38.5	PASS

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

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

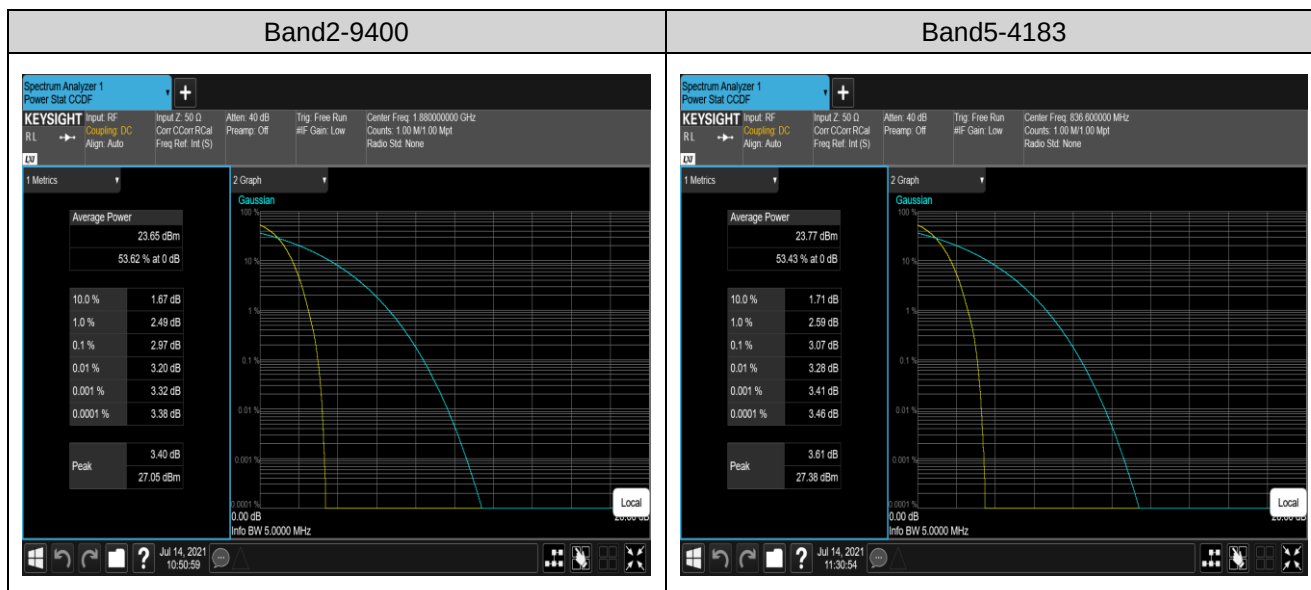
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.97	13	PASS
Band5	4183	3.07	13	PASS

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

Test Graphs(WCDMA)



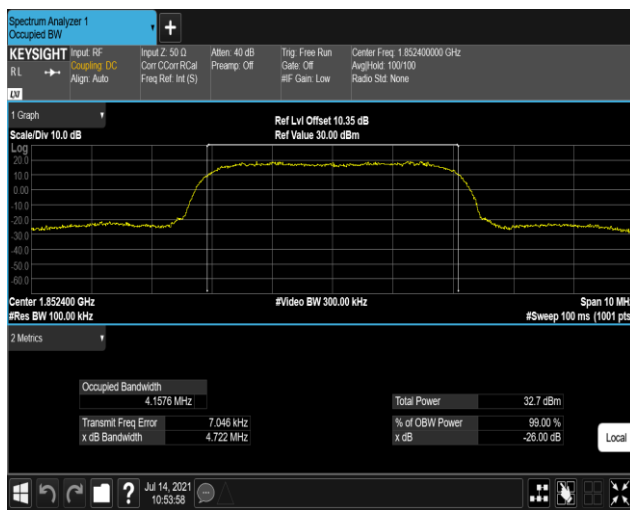
AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1576	4.722	---	PASS
Band2	9400	4.1548	4.722	---	PASS
Band2	9538	4.1606	4.724	---	PASS
Band5	4132	4.1539	4.692	---	PASS
Band5	4183	4.1431	4.685	---	PASS
Band5	4233	4.1533	4.691	---	PASS

Test Graphs(WCDMA)

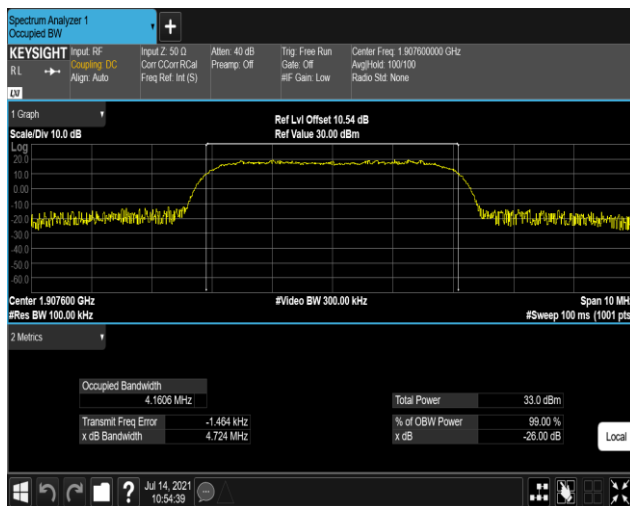
Band2-9262-4.722



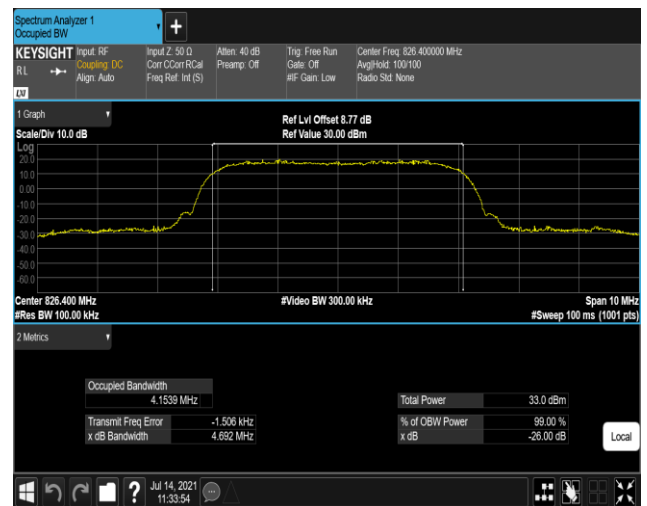
Band2-9400-4.722



Band2-9538-4.724



Band5-4132-4.692



Band5-4183-4.685



Band5-4233-4.691

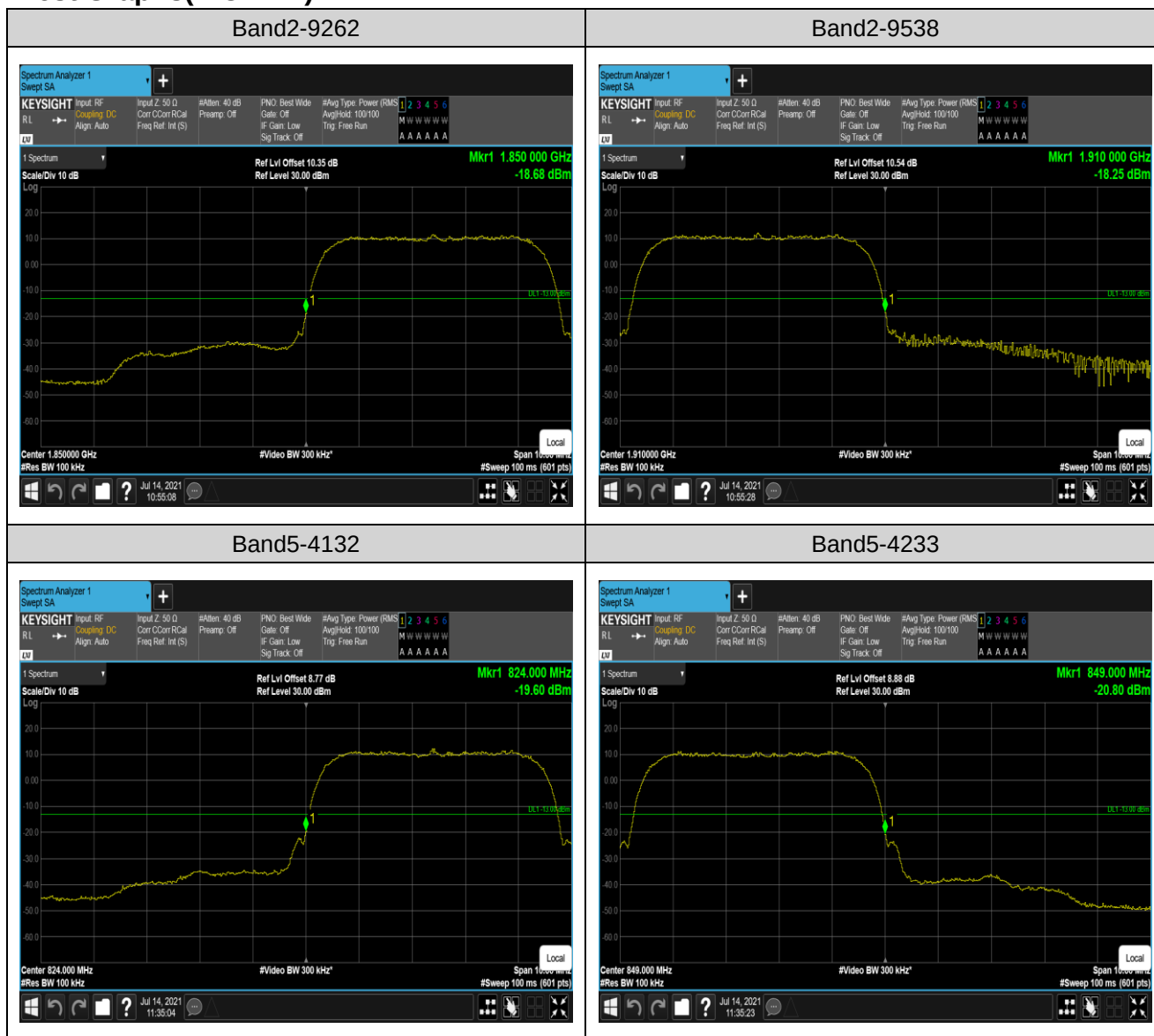


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.68	-13	PASS
Band2	9538	1910.00	-18.25	-13	PASS
Band5	4132	824.00	-19.60	-13	PASS
Band5	4233	849.00	-20.80	-13	PASS

Test Graphs(WCDMA)

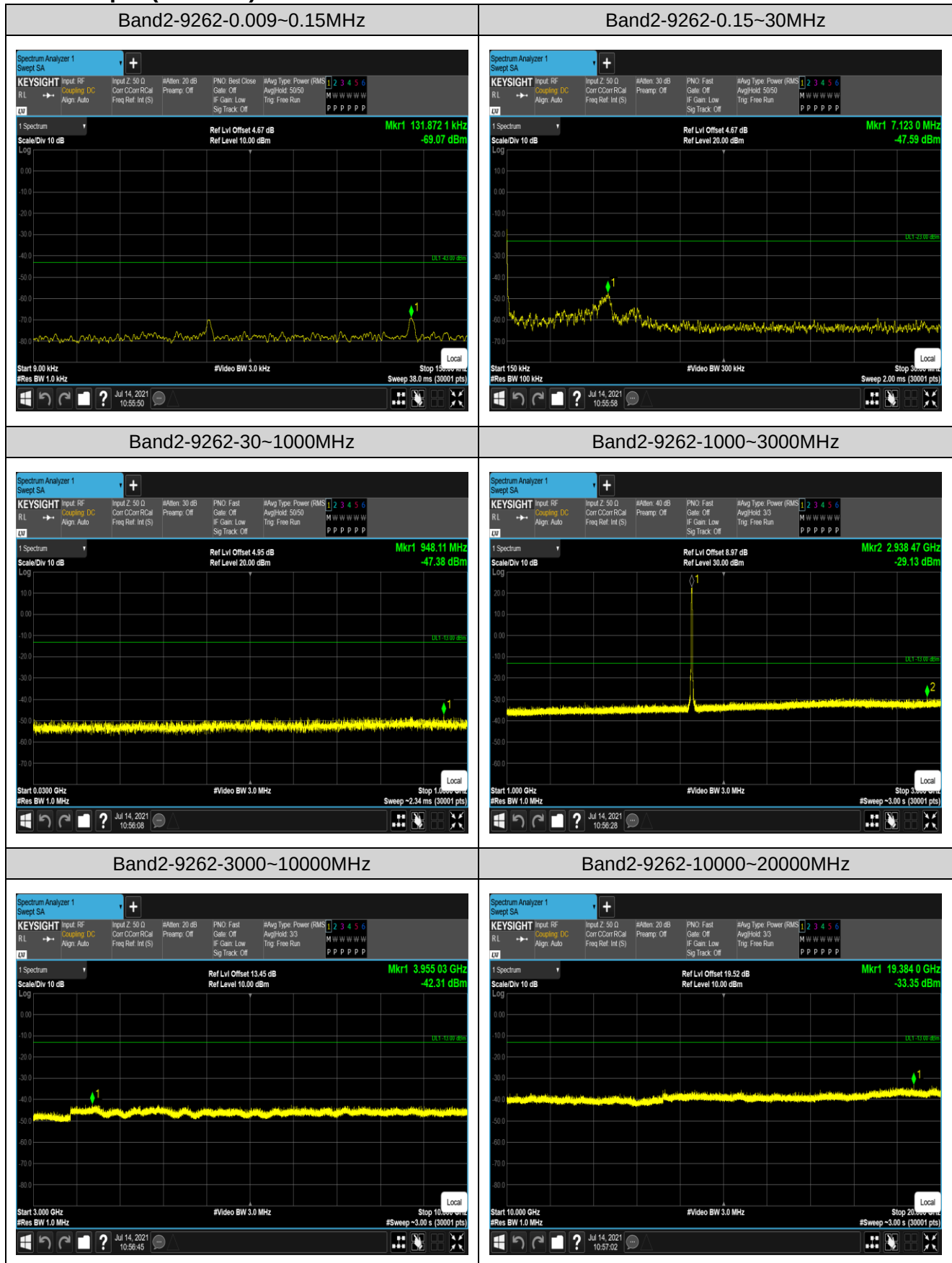


AppendixE:Conducted SpuriousEmission

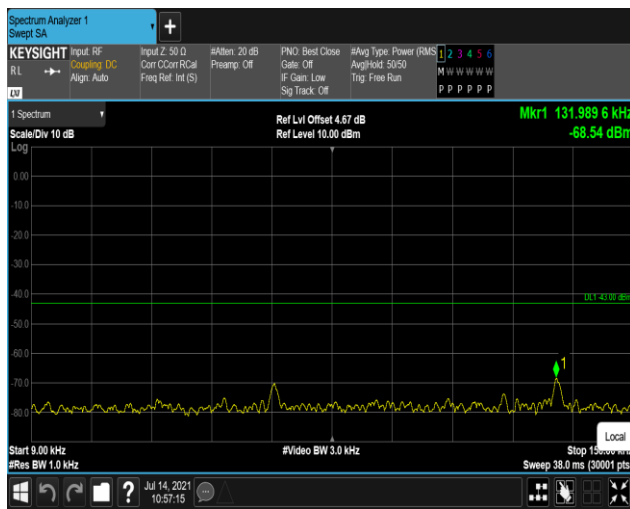
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.13	-69.07	-43	PASS
Band2	9262	0.15~30MHz	7.12	-47.59	-23	PASS
Band2	9262	30~1000MHz	948.11	-47.38	-13	PASS
Band2	9262	1000~3000MHz	2938.47	-29.13	-13	PASS
Band2	9262	3000~10000MHz	3955.03	-42.31	-13	PASS
Band2	9262	10000~20000MHz	19384	-33.35	-13	PASS
Band2	9400	0.009~0.15MHz	0.13	-68.54	-43	PASS
Band2	9400	0.15~30MHz	7.04	-47.56	-23	PASS
Band2	9400	30~1000MHz	877.68	-46.61	-13	PASS
Band2	9400	1000~3000MHz	2516.47	-28.51	-13	PASS
Band2	9400	3000~10000MHz	3940.57	-41.79	-13	PASS
Band2	9400	10000~20000MHz	19064.67	-33.99	-13	PASS
Band2	9538	0.009~0.15MHz	0.13	-69.11	-43	PASS
Band2	9538	0.15~30MHz	7.08	-48.92	-23	PASS
Band2	9538	30~1000MHz	651.54	-47.67	-13	PASS
Band2	9538	1000~3000MHz	2493.4	-28.8	-13	PASS
Band2	9538	3000~10000MHz	3998.9	-42.21	-13	PASS
Band2	9538	10000~20000MHz	19305.33	-33.42	-13	PASS
Band5	4132	0.009~0.15MHz	0.07	-72.6	-33	PASS
Band5	4132	0.15~30MHz	7.18	-52.31	-13	PASS
Band5	4132	30~1000MHz	604.27	-46.51	-13	PASS
Band5	4132	1000~3000MHz	2676.13	-36.54	-13	PASS
Band5	4132	3000~10000MHz	5066.17	-41.89	-13	PASS
Band5	4132	10000~18000MHz	17440.53	-43.03	-13	PASS
Band5	4183	0.009~0.15MHz	0.07	-73.5	-33	PASS
Band5	4183	0.15~30MHz	7.03	-50.69	-13	PASS
Band5	4183	30~1000MHz	607.09	-47.68	-13	PASS
Band5	4183	1000~3000MHz	2619.73	-37.08	-13	PASS
Band5	4183	3000~10000MHz	9084.4	-41.73	-13	PASS
Band5	4183	10000~18000MHz	17282.93	-43.49	-13	PASS
Band5	4233	0.009~0.15MHz	0.07	-73.86	-33	PASS
Band5	4233	0.15~30MHz	7.11	-50.33	-13	PASS
Band5	4233	30~1000MHz	954.96	-46.81	-13	PASS
Band5	4233	1000~3000MHz	2731	-37.35	-13	PASS
Band5	4233	3000~10000MHz	5003.87	-41.66	-13	PASS
Band5	4233	10000~18000MHz	17681.07	-43.09	-13	PASS

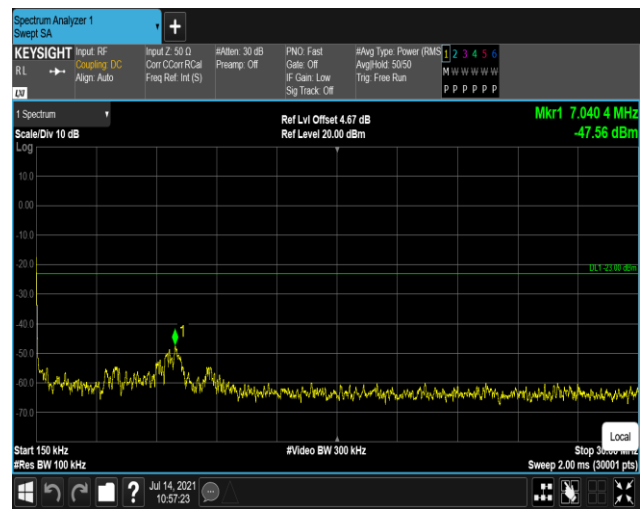
Test Graphs(WCDMA)



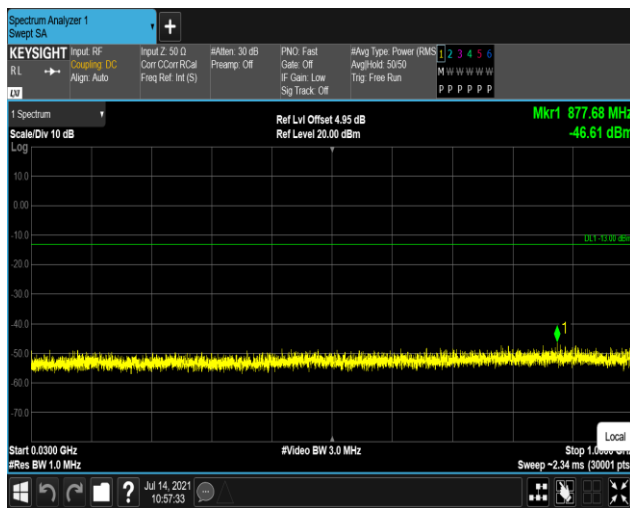
Band2-9400-0.009~0.15MHz



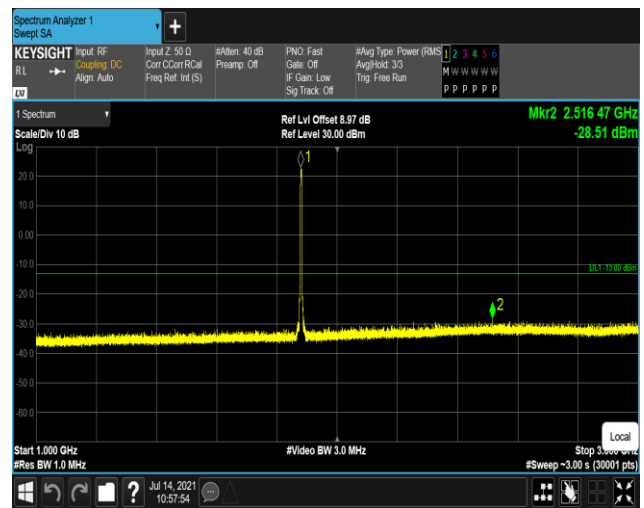
Band2-9400-0.15~30MHz



Band2-9400-30~1000MHz



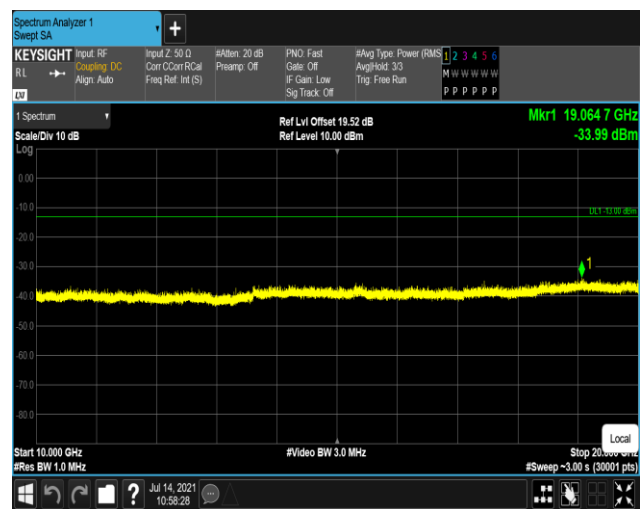
Band2-9400-1000~3000MHz



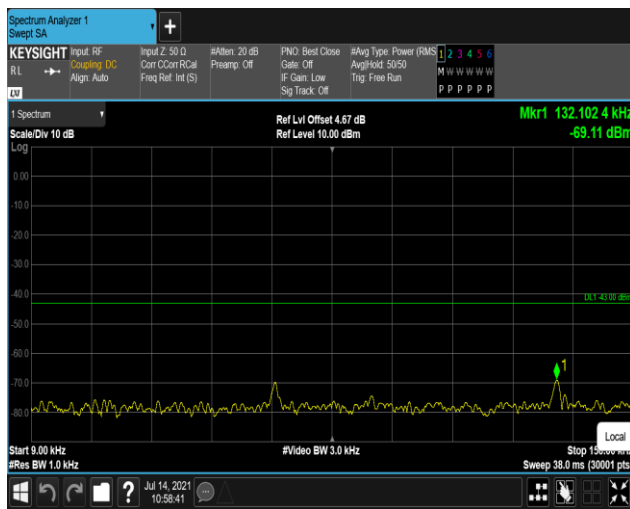
Band2-9400-3000~10000MHz



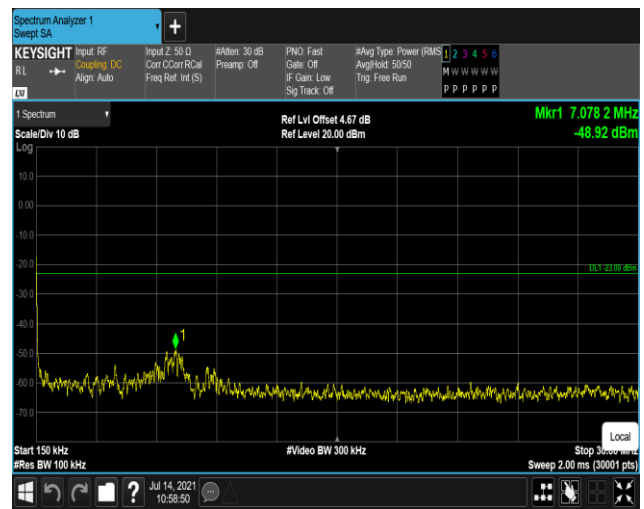
Band2-9400-10000~20000MHz



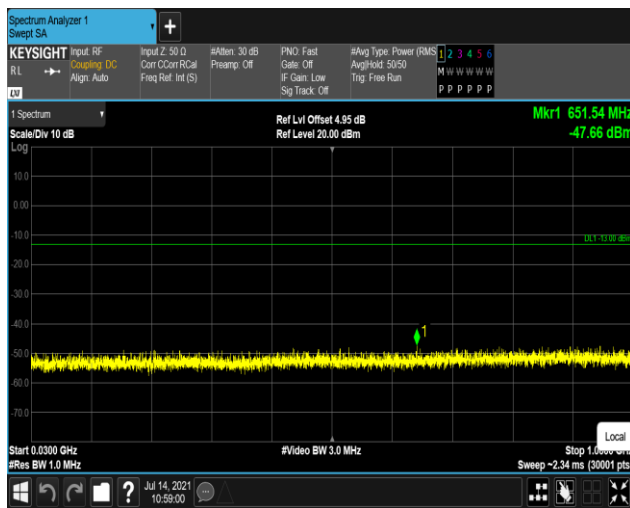
Band2-9538-0.009~0.15MHz



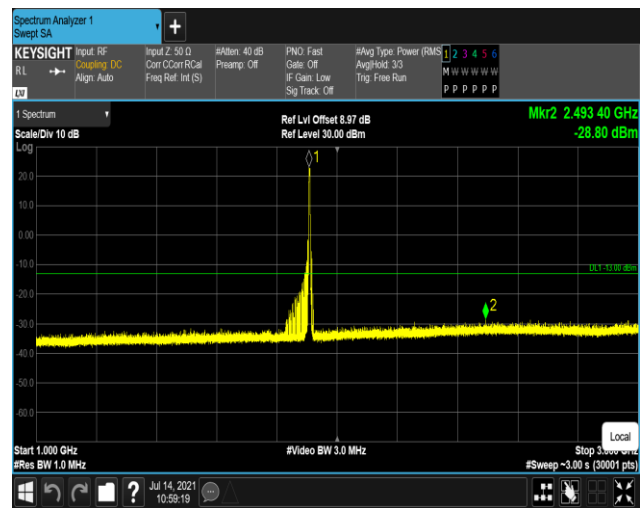
Band2-9538-0.15~30MHz



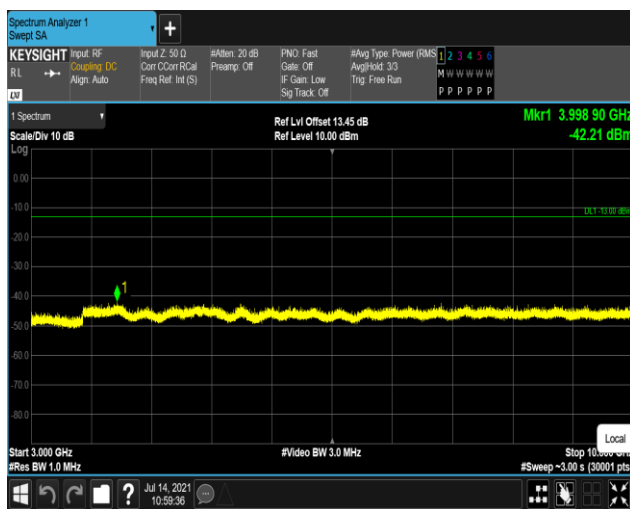
Band2-9538-30~1000MHz



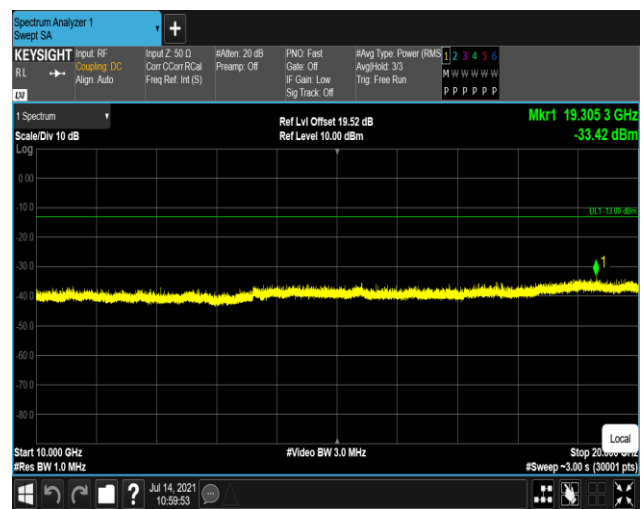
Band2-9538-1000~3000MHz



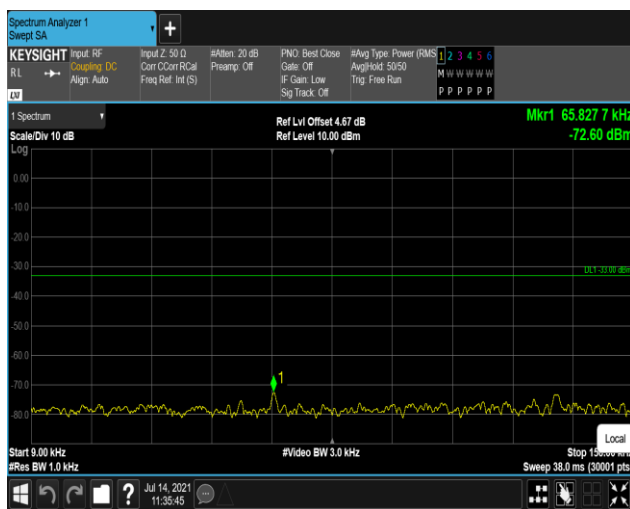
Band2-9538-3000~10000MHz



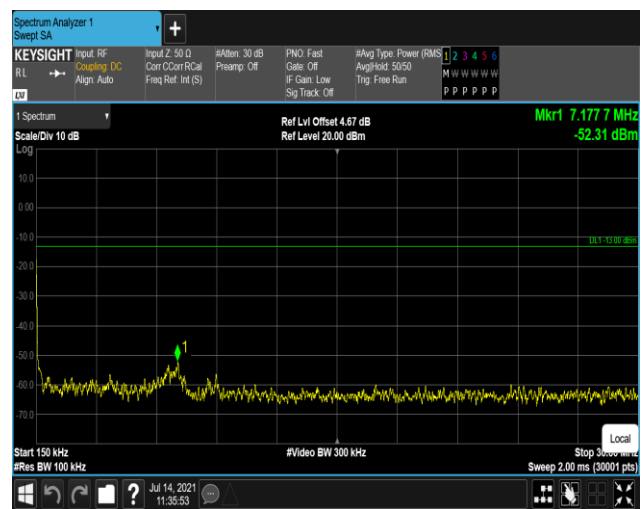
Band2-9538-10000~20000MHz



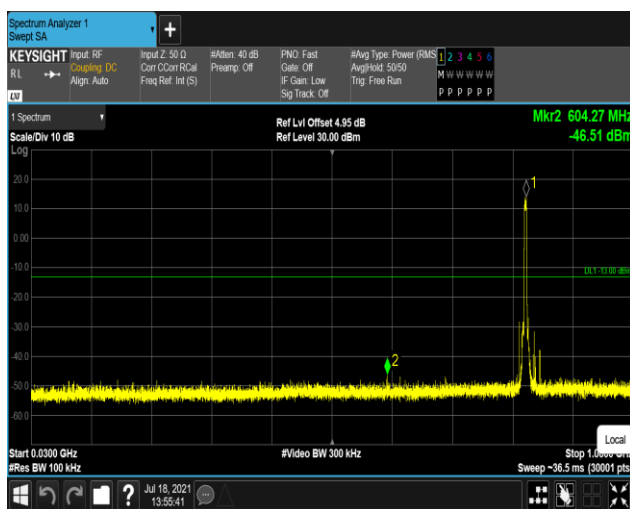
Band5-4132-0.009~0.15MHz



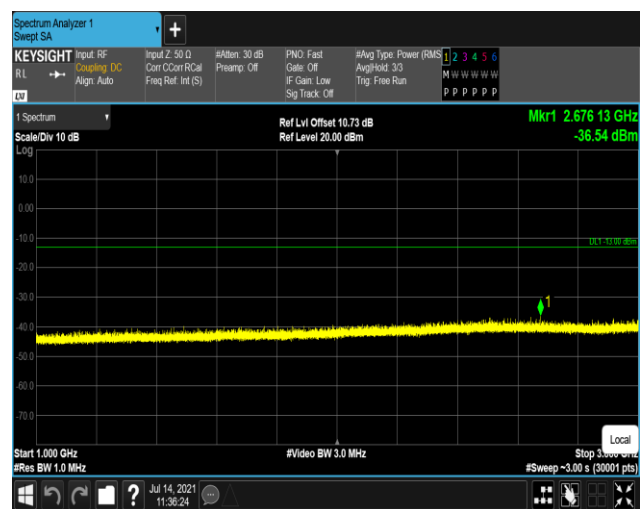
Band5-4132-0.15~30MHz



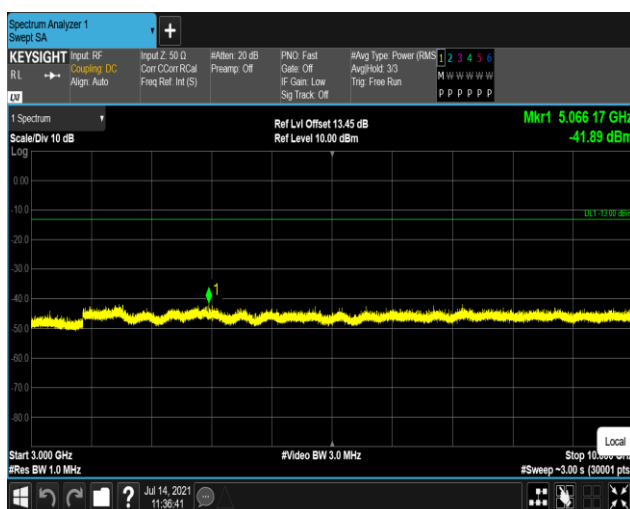
Band5-4132-30~1000MHz



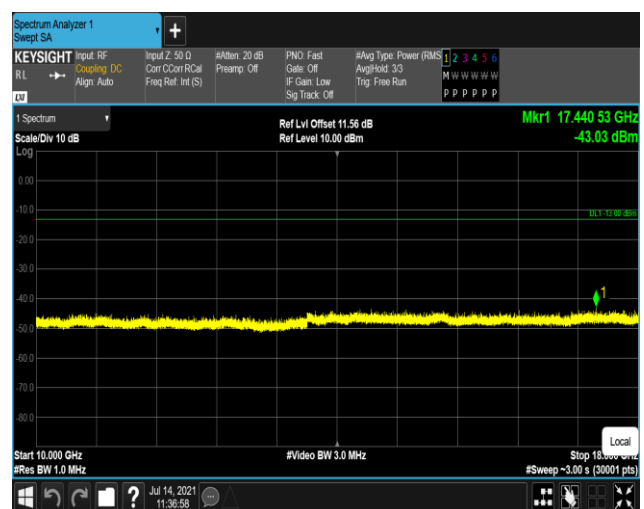
Band5-4132-1000~3000MHz



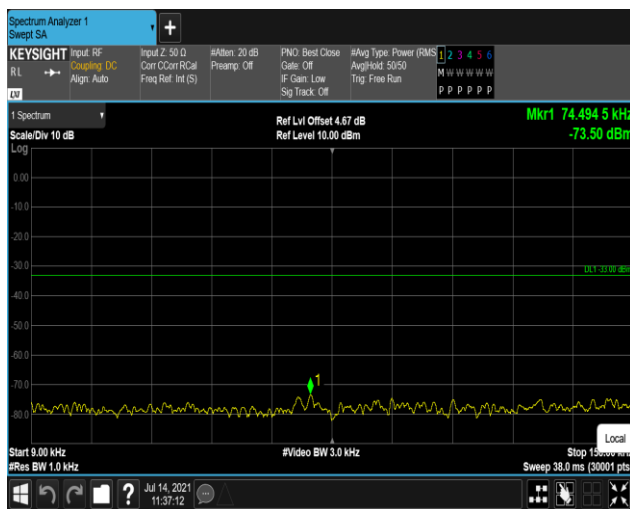
Band5-4132-3000~10000MHz



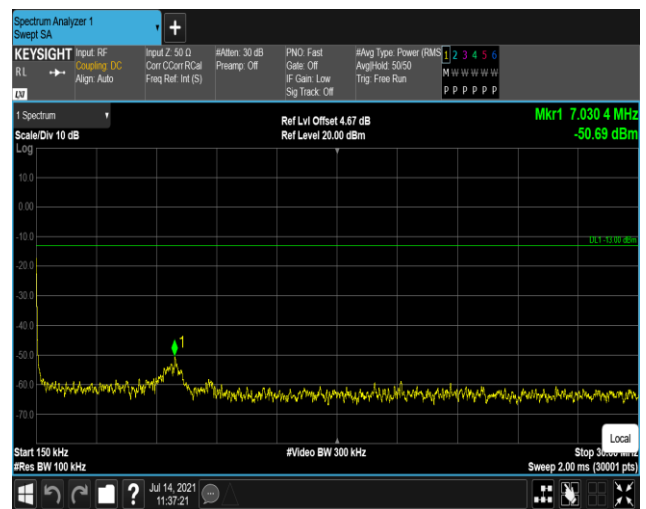
Band5-4132-10000~18000MHz



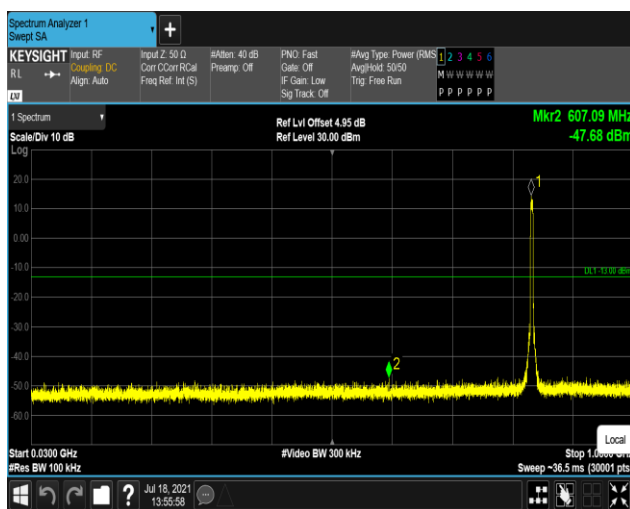
Band5-4183-0.009~0.15MHz



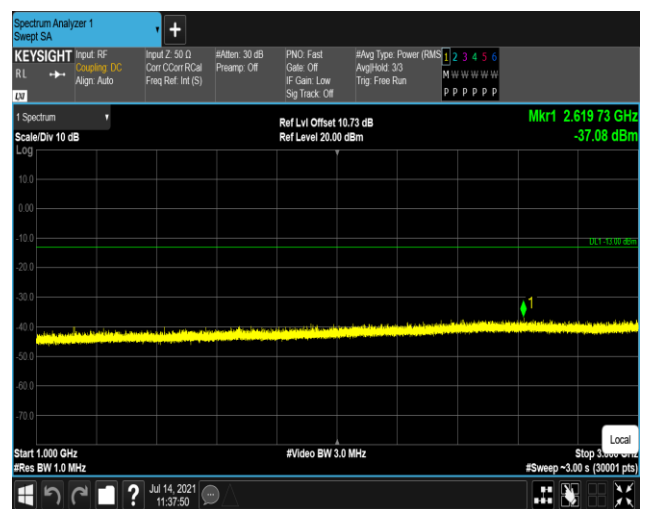
Band5-4183-0.15~30MHz



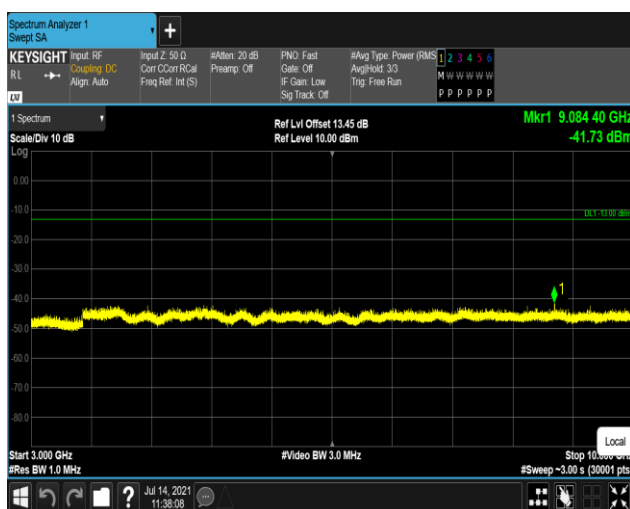
Band5-4183-30~1000MHz



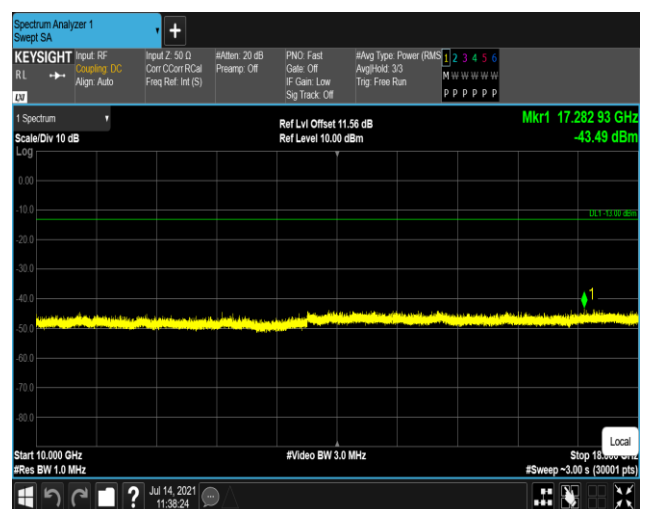
Band5-4183-1000~3000MHz



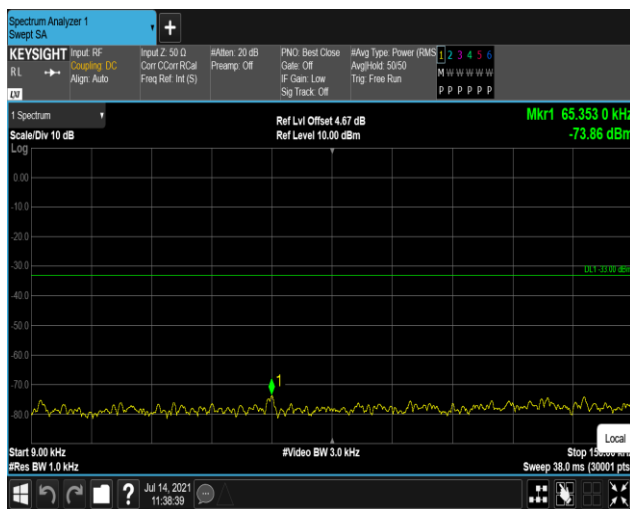
Band5-4183-3000~10000MHz



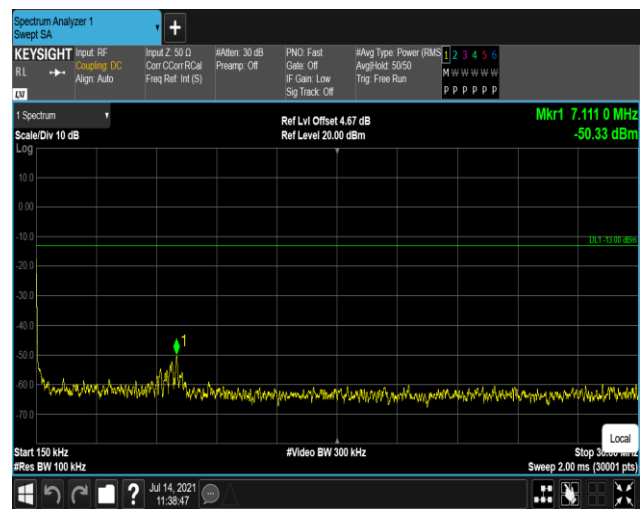
Band5-4183-10000~18000MHz



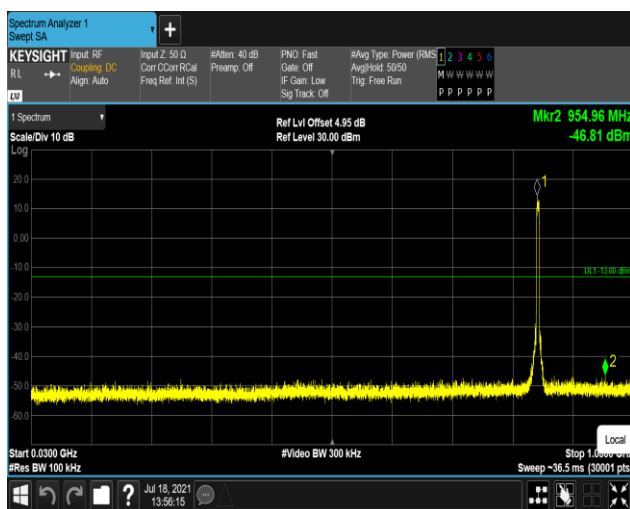
Band5-4233-0.009~0.15MHz



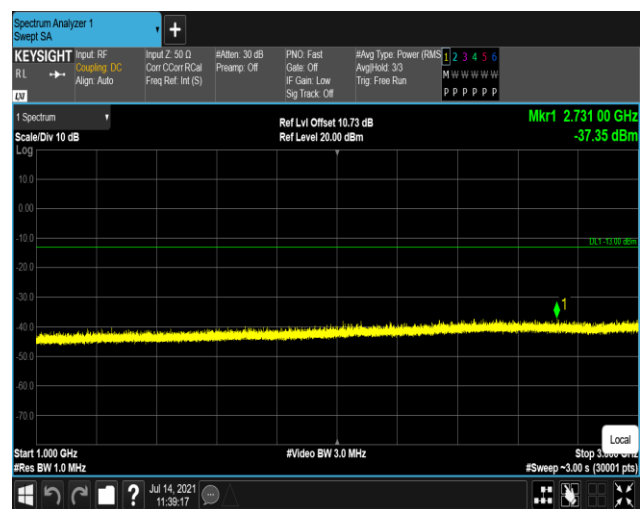
Band5-4233-0.15~30MHz



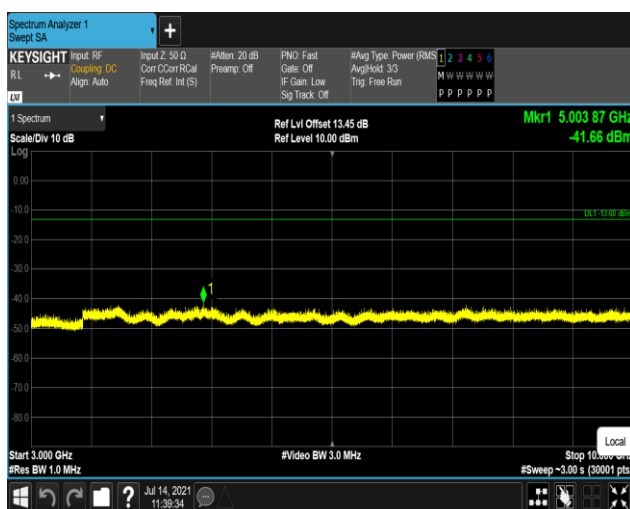
Band5-4233-30~1000MHz



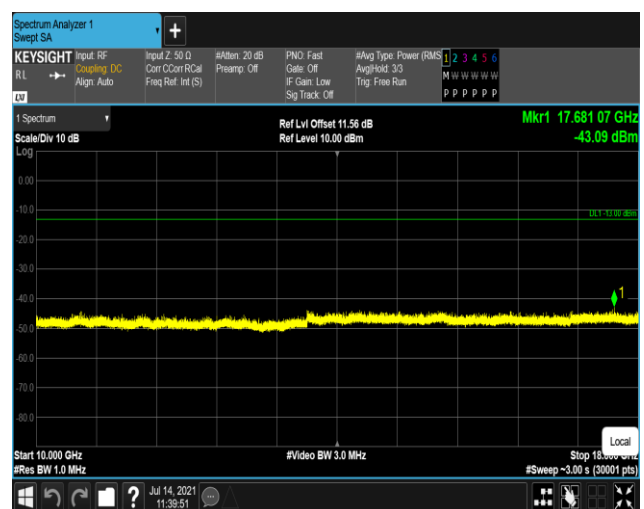
Band5-4233-1000~3000MHz



Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz



AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.87	-30	-2.75	-0.001463	Within authorized band for BAND II	Pass
	-20	-4.23	-0.002250		
	-10	-1.68	-0.000894		
	0	-2.38	-0.001266		
	10	-4.65	-0.002473		
	20	-4.40	-0.002340		
	30	-1.34	-0.000713		
	40	-2.13	-0.001133		
	50	-2.50	-0.001330		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-2.84	-0.001511	Within authorized band for BAND II	Pass
	3.87	-1.70	-0.000904		
	4.45	-0.44	-0.000234		
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		
3.87	-30	-2.46	-0.002940	±2.5	Pass
	-20	-3.46	-0.004136		
	-10	-3.20	-0.003825		
	0	-4.58	-0.005475		
	10	-4.13	-0.004937		
	20	-4.31	-0.005152		
	30	-4.36	-0.005212		
	40	-4.18	-0.004996		
	50	-4.91	-0.005869		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-3.53	-0.004219	±2.5	Pass
	3.87	-3.65	-0.004363		
	4.45	-2.57	-0.003072		
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

