

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	23.86	23.10	33	PASS
Band2	RMC	9262	23.91	23.15	33	PASS
Band2	Voice	9400	23.90	23.14	33	PASS
Band2	RMC	9400	24.01	23.25	33	PASS
Band2	Voice	9538	23.68	22.92	33	PASS
Band2	RMC	9538	23.75	22.99	33	PASS
Band5	Voice	4132	24.22	18.69	38.5	PASS
Band5	RMC	4132	24.25	18.72	38.5	PASS
Band5	Voice	4183	24.19	18.66	38.5	PASS
Band5	RMC	4183	24.24	18.71	38.5	PASS
Band5	Voice	4233	24.19	18.66	38.5	PASS
Band5	RMC	4233	24.23	18.70	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.96	22.20	33	PASS
Band2	9262	2	22.55	21.79	33	PASS
Band2	9262	3	22.43	21.67	33	PASS
Band2	9262	4	22.40	21.64	33	PASS
Band2	9400	1	23.07	22.31	33	PASS
Band2	9400	2	22.61	21.85	33	PASS
Band2	9400	3	22.52	21.76	33	PASS
Band2	9400	4	22.48	21.72	33	PASS
Band2	9538	1	22.80	22.04	33	PASS
Band2	9538	2	22.34	21.58	33	PASS
Band2	9538	3	22.21	21.45	33	PASS
Band2	9538	4	22.27	21.51	33	PASS
Band5	4132	1	23.14	17.61	38.5	PASS
Band5	4132	2	22.77	17.24	38.5	PASS
Band5	4132	3	22.65	17.12	38.5	PASS
Band5	4132	4	22.62	17.09	38.5	PASS
Band5	4183	1	23.11	17.58	38.5	PASS
Band5	4183	2	22.71	17.18	38.5	PASS
Band5	4183	3	22.62	17.09	38.5	PASS

Band5	4183	4	22.57	17.04	38.5	PASS
Band5	4233	1	23.10	17.57	38.5	PASS
Band5	4233	2	22.69	17.16	38.5	PASS
Band5	4233	3	22.60	17.07	38.5	PASS
Band5	4233	4	22.60	17.07	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.94	20.18	33	PASS
Band2	9262	2	21.42	20.66	33	PASS
Band2	9262	3	21.91	21.15	33	PASS
Band2	9262	4	20.94	20.18	33	PASS
Band2	9262	5	22.92	22.16	33	PASS
Band2	9400	1	21.04	20.28	33	PASS
Band2	9400	2	21.53	20.77	33	PASS
Band2	9400	3	22.02	21.26	33	PASS
Band2	9400	4	21.03	20.27	33	PASS
Band2	9400	5	23.00	22.24	33	PASS
Band2	9538	1	20.75	19.99	33	PASS
Band2	9538	2	21.26	20.50	33	PASS
Band2	9538	3	21.72	20.96	33	PASS
Band2	9538	4	20.76	20.00	33	PASS
Band2	9538	5	22.68	21.92	33	PASS
Band5	4132	1	21.15	15.62	38.5	PASS
Band5	4132	2	21.65	16.12	38.5	PASS
Band5	4132	3	22.18	16.65	38.5	PASS
Band5	4132	4	21.18	15.65	38.5	PASS
Band5	4132	5	23.15	17.62	38.5	PASS
Band5	4183	1	21.15	15.62	38.5	PASS
Band5	4183	2	21.64	16.11	38.5	PASS
Band5	4183	3	22.18	16.65	38.5	PASS
Band5	4183	4	21.21	15.68	38.5	PASS
Band5	4183	5	23.15	17.62	38.5	PASS
Band5	4233	1	21.18	15.65	38.5	PASS
Band5	4233	2	21.67	16.14	38.5	PASS
Band5	4233	3	22.16	16.63	38.5	PASS
Band5	4233	4	21.14	15.61	38.5	PASS
Band5	4233	5	23.16	17.63	38.5	PASS

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

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

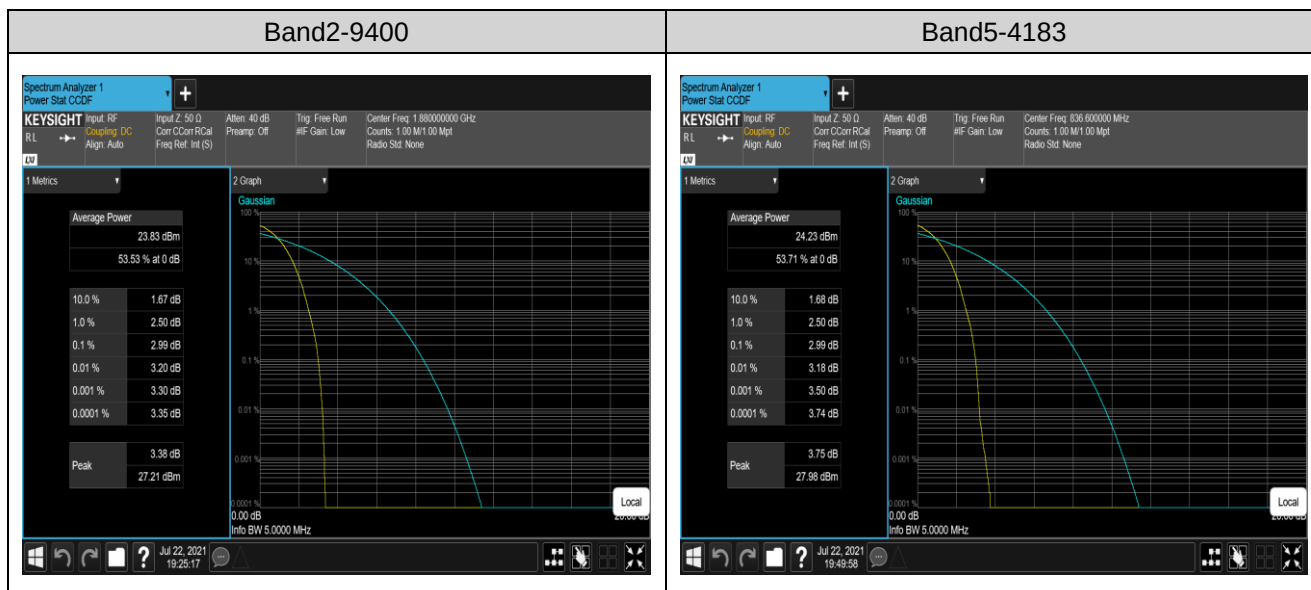
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.99	13	PASS
Band5	4183	2.99	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)

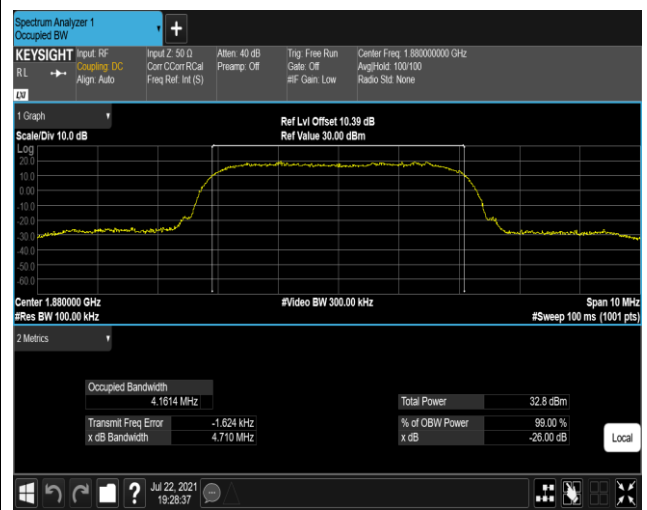
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1580	4.721	---	PASS
Band2	9400	4.1614	4.710	---	PASS
Band2	9538	4.1577	4.730	---	PASS
Band5	4132	4.1537	4.703	---	PASS
Band5	4183	4.1516	4.704	---	PASS
Band5	4233	4.1565	4.713	---	PASS

Test Graphs(WCDMA)

Band2-9262-4.721



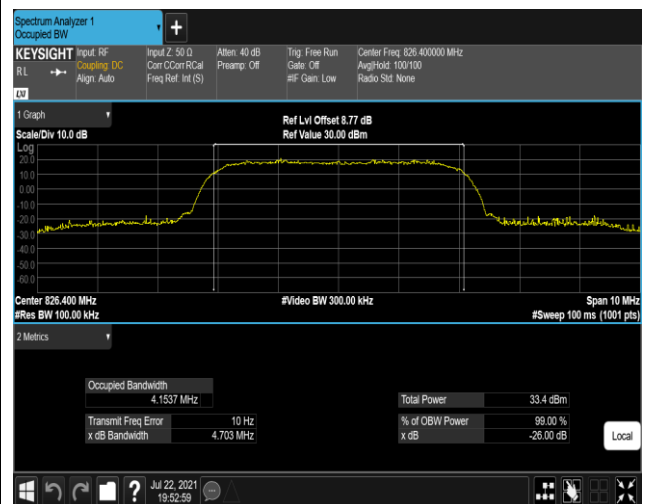
Band2-9400-4.710



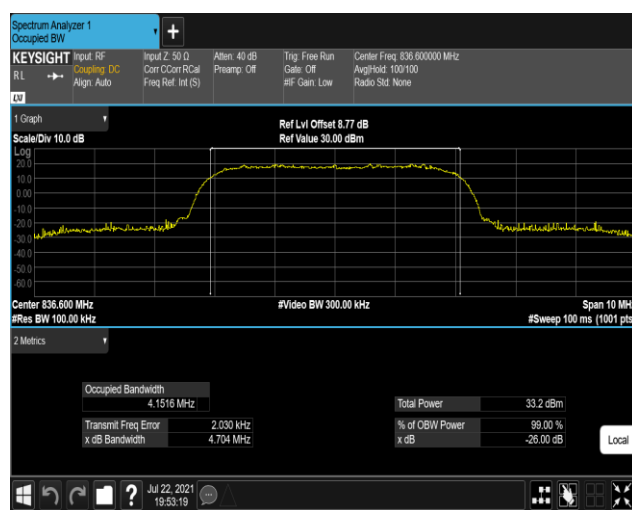
Band2-9538-4.730



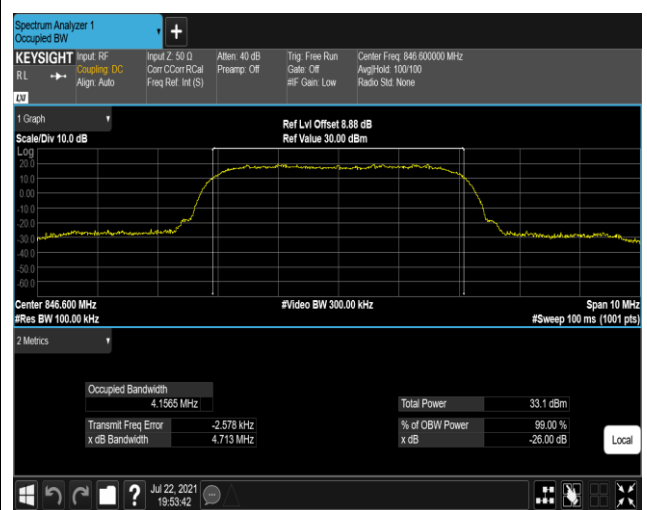
Band5-4132-4.703



Band5-4183-4.704



Band5-4233-4.713

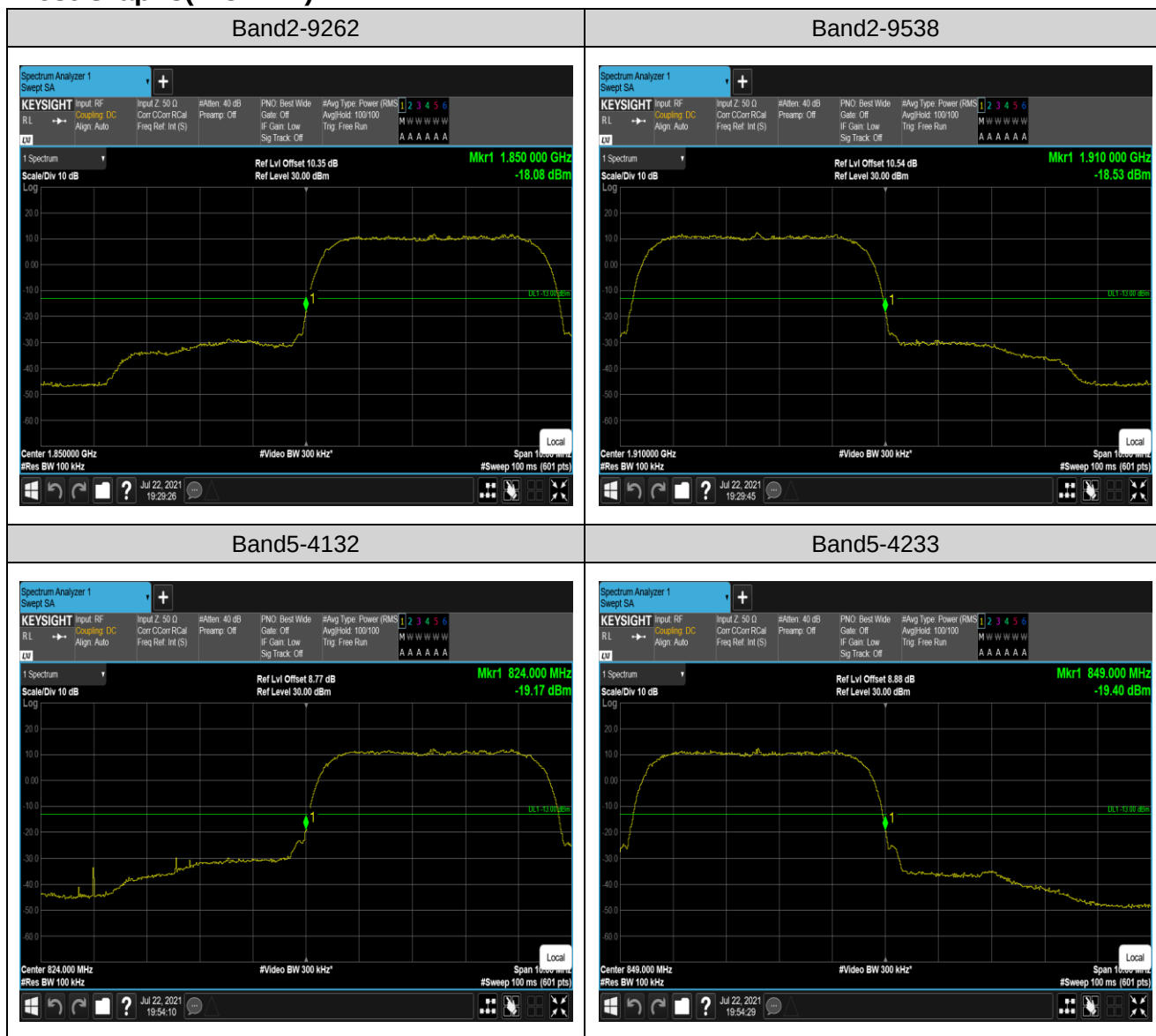


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.08	-13	PASS
Band2	9538	1910.00	-18.53	-13	PASS
Band5	4132	824.00	-19.17	-13	PASS
Band5	4233	849.00	-19.40	-13	PASS

Test Graphs(WCDMA)

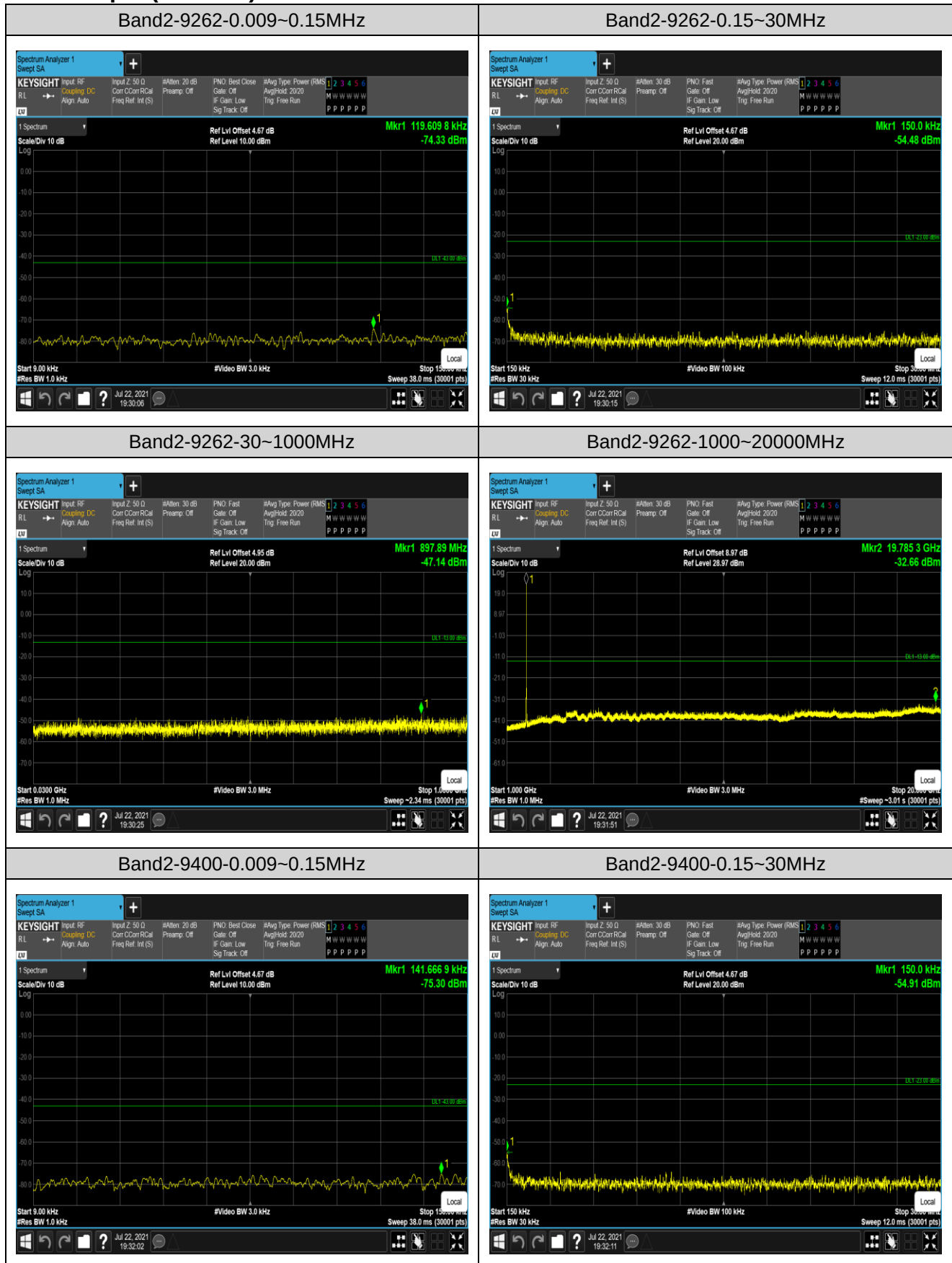


AppendixE:Conducted SpuriousEmission

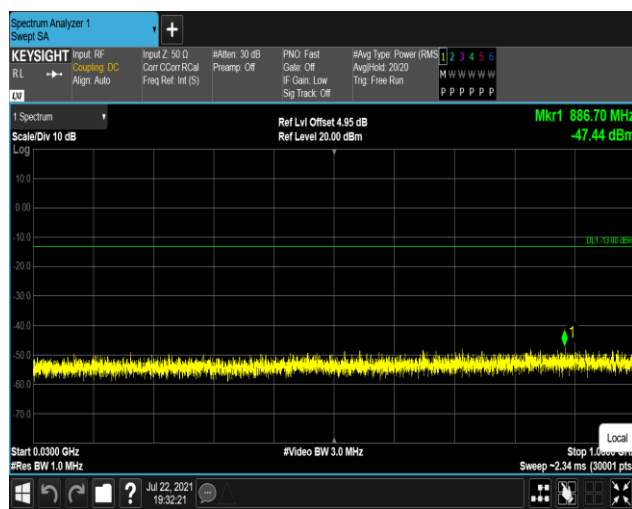
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.12	-74.33	-43	PASS
Band2	9262	0.15~30MHz	0.15	-54.48	-23	PASS
Band2	9262	30~1000MHz	897.89	-47.14	-13	PASS
Band2	9262	1000~20000MHz	19785.3	-32.66	-13	PASS
Band2	9400	0.009~0.15MHz	0.14	-75.3	-43	PASS
Band2	9400	0.15~30MHz	0.15	-54.91	-23	PASS
Band2	9400	30~1000MHz	886.7	-47.44	-13	PASS
Band2	9400	1000~20000MHz	19251.4	-33.75	-13	PASS
Band2	9538	0.009~0.15MHz	0.12	-74.29	-43	PASS
Band2	9538	0.15~30MHz	0.15	-52.69	-23	PASS
Band2	9538	30~1000MHz	586.13	-47.79	-13	PASS
Band2	9538	1000~20000MHz	19202	-33.29	-13	PASS
Band5	4132	0.009~0.15MHz	0.13	-74.66	-33	PASS
Band5	4132	0.15~30MHz	0.15	-55.72	-13	PASS
Band5	4132	30~1000MHz	984.77	-57.4	-13	PASS
Band5	4132	1000~10000MHz	5038	-35.55	-13	PASS
Band5	4183	0.009~0.15MHz	0.12	-74.92	-33	PASS
Band5	4183	0.15~30MHz	0.17	-52.92	-13	PASS
Band5	4183	30~1000MHz	729.31	-57.31	-13	PASS
Band5	4183	1000~10000MHz	5032.3	-35.6	-13	PASS
Band5	4233	0.009~0.15MHz	0.13	-75.82	-33	PASS
Band5	4233	0.15~30MHz	0.15	-54.87	-13	PASS
Band5	4233	30~1000MHz	948.27	-56.75	-13	PASS
Band5	4233	1000~10000MHz	4992.1	-36.23	-13	PASS

Test Graphs(WCDMA)



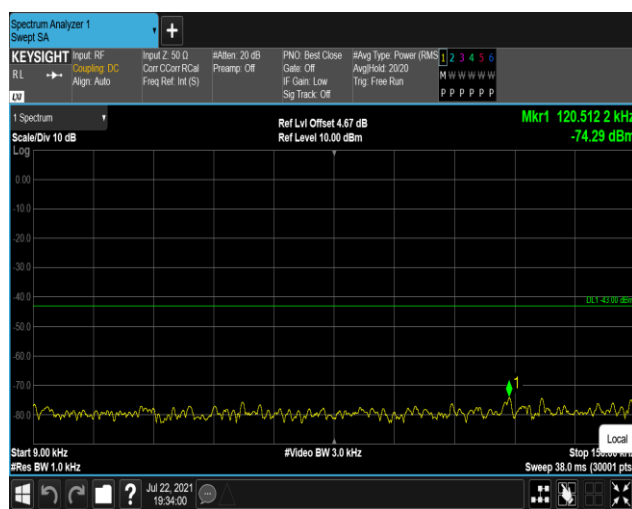
Band2-9400-30~1000MHz



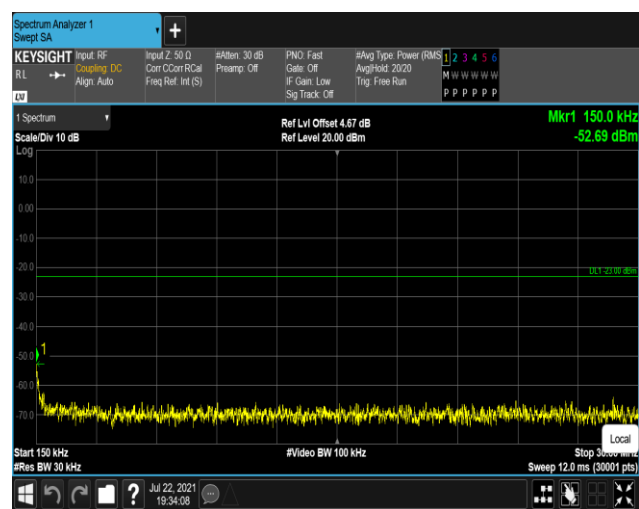
Band2-9400-1000~20000MHz



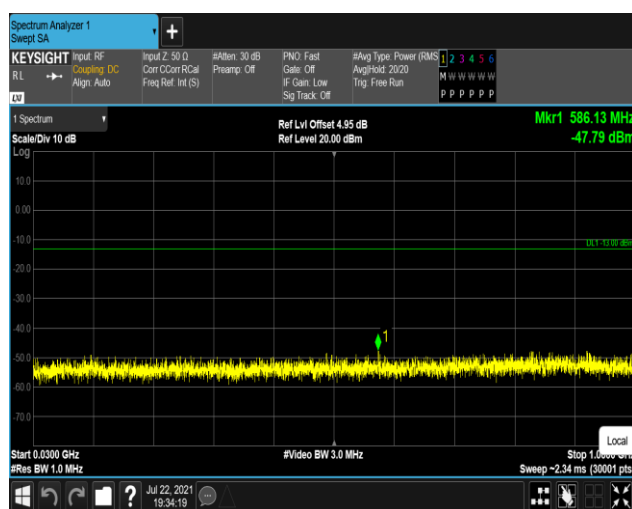
Band2-9538-0.009~0.15MHz



Band2-9538-0.15~30MHz



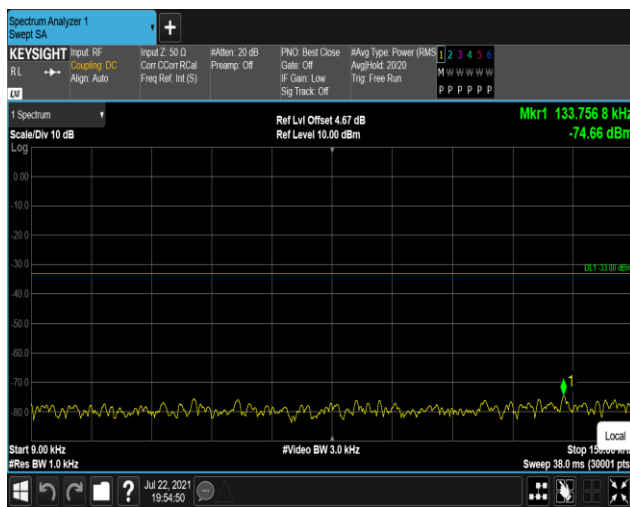
Band2-9538-30~1000MHz



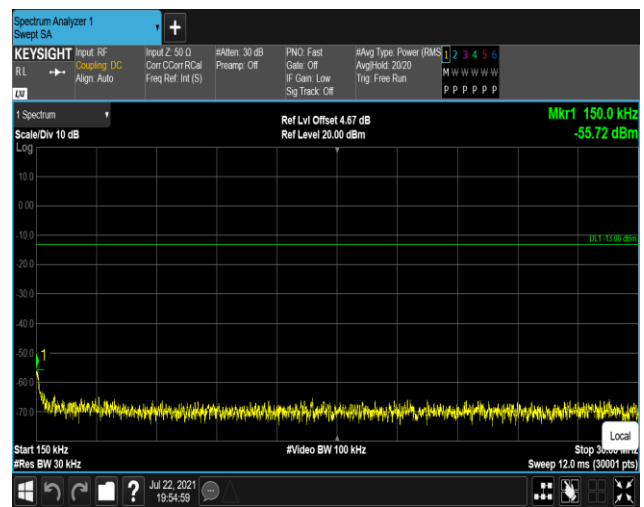
Band2-9538-1000~20000MHz



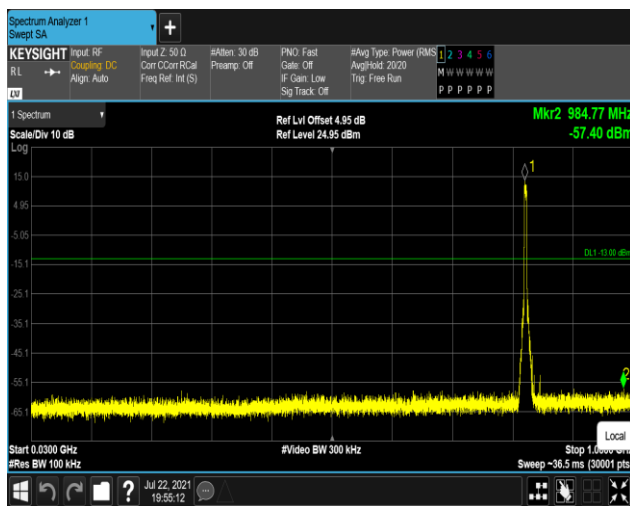
Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



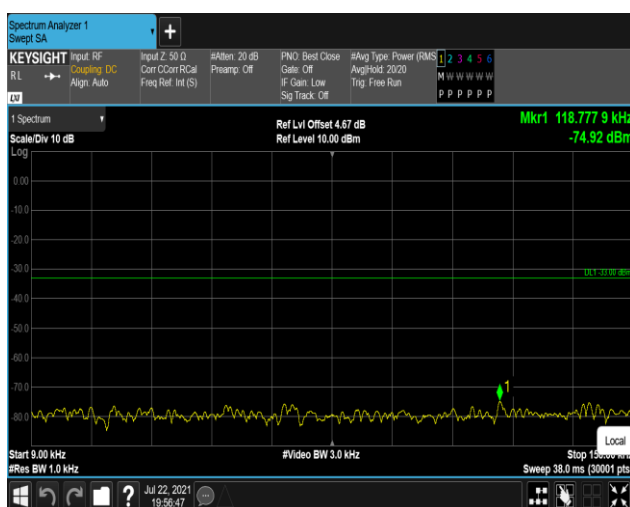
Band5-4132-30~1000MHz



Band5-4132-1000~10000MHz



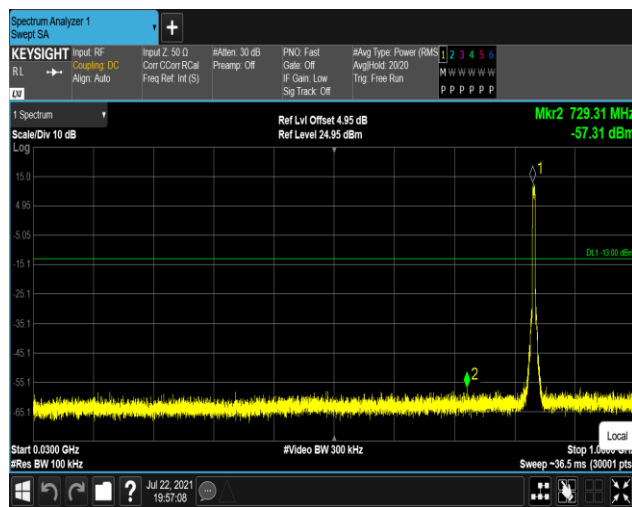
Band5-4183-0.009~0.15MHz



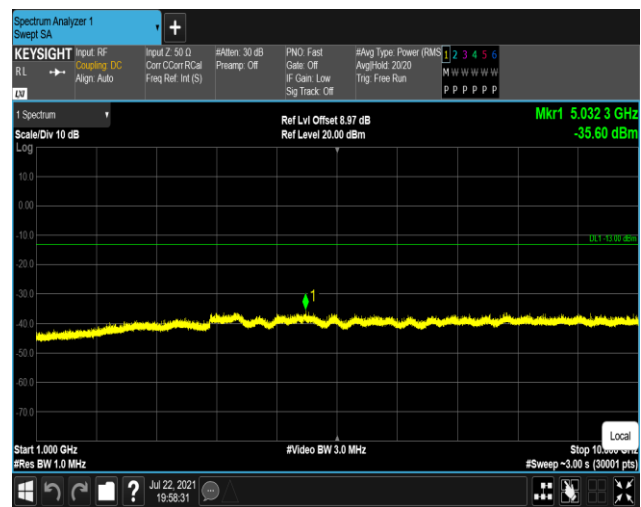
Band5-4183-0.15~30MHz



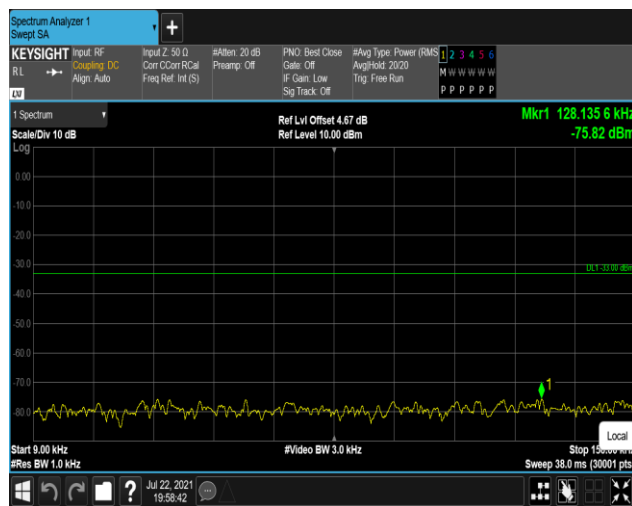
Band5-4183-30~1000MHz



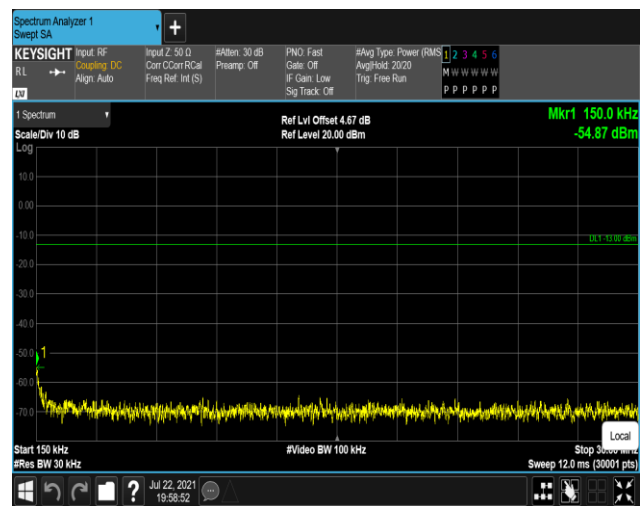
Band5-4183-1000~10000MHz



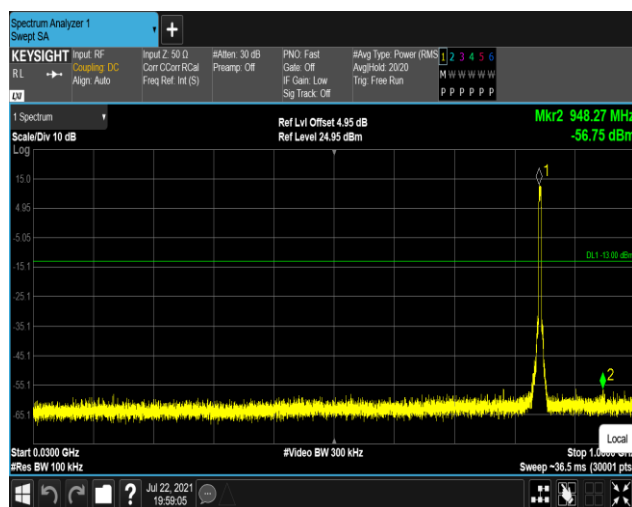
Band5-4233-0.009~0.15MHz



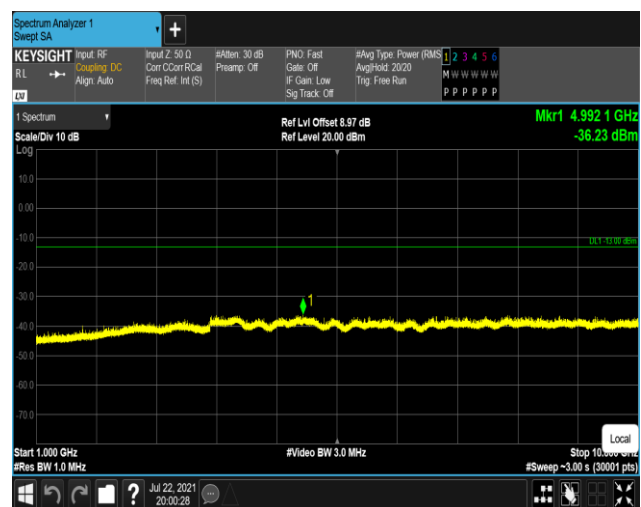
Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND 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	-1.77	-0.002116	±2.5	Pass
	-20	-3.20	-0.003825		
	-10	-3.15	-0.003765		
	0	-4.68	-0.005594		
	10	-3.71	-0.004435		
	20	-4.40	-0.005259		
	30	-2.09	-0.002498		
	40	-3.13	-0.003741		
	50	-0.41	-0.000490		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-5.38	-0.006431	±2.5	Pass
	3.87	-3.68	-0.004399		
	4.45	-3.78	-0.004518		
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		
3.87	-30	0.32	0.000170	Within authorized band for BAND II	Pass
	-20	-2.43	-0.001293		
	-10	-4.48	-0.002383		
	0	-1.87	-0.000995		
	10	-4.03	-0.002144		
	20	-0.14	-0.000074		
	30	-1.71	-0.000910		
	40	-5.04	-0.002681		
	50	-1.12	-0.000596		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-4.86	-0.002585	Within authorized band for BAND II	Pass
	3.87	-4.99	-0.002654		
	4.45	-3.46	-0.001840		
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

