

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	23.99	24.99	33	PASS
Band2	TestMode	9262	24.06	25.06	33	PASS
Band2	Voice	9400	24.01	25.01	33	PASS
Band2	TestMode	9400	24.03	25.03	33	PASS
Band2	Voice	9538	24.11	25.11	33	PASS
Band2	TestMode	9538	24.27	25.27	33	PASS
Band5	Voice	4132	24.99	23.44	38.5	PASS
Band5	TestMode	4132	25.00	23.45	38.5	PASS
Band5	Voice	4183	24.91	23.36	38.5	PASS
Band5	TestMode	4183	24.96	23.41	38.5	PASS
Band5	Voice	4233	24.91	23.36	38.5	PASS
Band5	TestMode	4233	24.99	23.44	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.09	24.09	33	PASS
Band2	9262	2	22.53	23.53	33	PASS
Band2	9262	3	22.56	23.56	33	PASS
Band2	9262	4	22.51	23.51	33	PASS
Band2	9400	1	23.05	24.05	33	PASS
Band2	9400	2	22.54	23.54	33	PASS
Band2	9400	3	22.54	23.54	33	PASS
Band2	9400	4	22.49	23.49	33	PASS
Band2	9538	1	23.25	24.25	33	PASS
Band2	9538	2	22.71	23.71	33	PASS
Band2	9538	3	22.71	23.71	33	PASS
Band2	9538	4	22.76	23.76	33	PASS
Band5	4132	1	24.06	22.51	38.5	PASS
Band5	4132	2	23.52	21.97	38.5	PASS
Band5	4132	3	23.52	21.97	38.5	PASS
Band5	4132	4	23.50	21.95	38.5	PASS
Band5	4183	1	23.97	22.42	38.5	PASS
Band5	4183	2	23.46	21.91	38.5	PASS

Band5	4183	3	23.44	21.89	38.5	PASS
Band5	4183	4	23.38	21.83	38.5	PASS
Band5	4233	1	24.01	22.46	38.5	PASS
Band5	4233	2	23.50	21.95	38.5	PASS
Band5	4233	3	23.48	21.93	38.5	PASS
Band5	4233	4	23.45	21.90	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.01	22.01	33	PASS
Band2	9262	2	21.50	22.5	33	PASS
Band2	9262	3	22.03	23.03	33	PASS
Band2	9262	4	21.06	22.06	33	PASS
Band2	9262	5	23.01	24.01	33	PASS
Band2	9400	1	21.00	22	33	PASS
Band2	9400	2	21.54	22.54	33	PASS
Band2	9400	3	22.03	23.03	33	PASS
Band2	9400	4	21.02	22.02	33	PASS
Band2	9400	5	23.00	24.00	33	PASS
Band2	9538	1	21.20	22.20	33	PASS
Band2	9538	2	21.72	22.72	33	PASS
Band2	9538	3	22.20	23.2	33	PASS
Band2	9538	4	21.24	22.24	33	PASS
Band2	9538	5	23.18	24.18	33	PASS
Band5	4132	1	22.06	20.51	38.5	PASS
Band5	4132	2	22.53	20.98	38.5	PASS
Band5	4132	3	23.05	21.50	38.5	PASS
Band5	4132	4	22.08	20.53	38.5	PASS
Band5	4132	5	24.06	22.51	38.5	PASS
Band5	4183	1	21.98	20.43	38.5	PASS
Band5	4183	2	22.46	20.91	38.5	PASS
Band5	4183	3	22.98	21.43	38.5	PASS
Band5	4183	4	21.97	20.42	38.5	PASS
Band5	4183	5	23.99	22.44	38.5	PASS
Band5	4233	1	22.00	20.45	38.5	PASS
Band5	4233	2	22.52	20.97	38.5	PASS
Band5	4233	3	23.00	21.45	38.5	PASS
Band5	4233	4	22.05	20.50	38.5	PASS
Band5	4233	5	24.03	22.48	38.5	PASS

Remark: $EIRP (dBm) = \text{Conducted power (dBm)} + \text{Antenna Gain (dBi)}$. (For Band2)

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

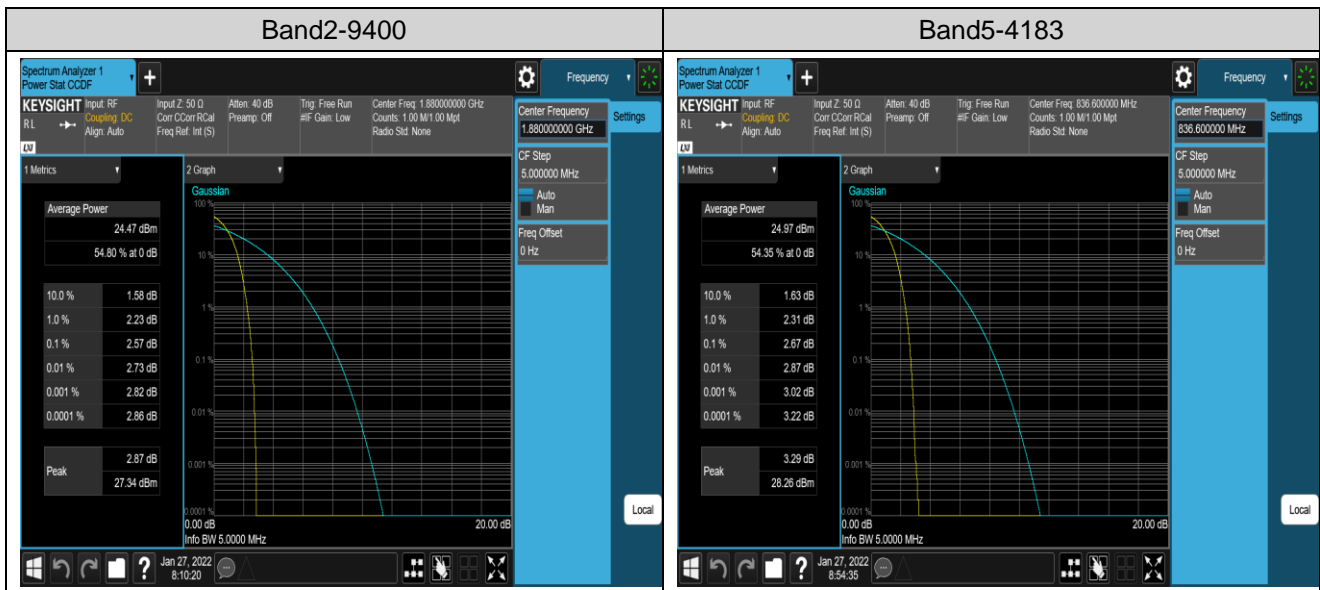
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.57	13	PASS
Band5	4183	2.67	13	PASS

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

Test Graphs(WCDMA)

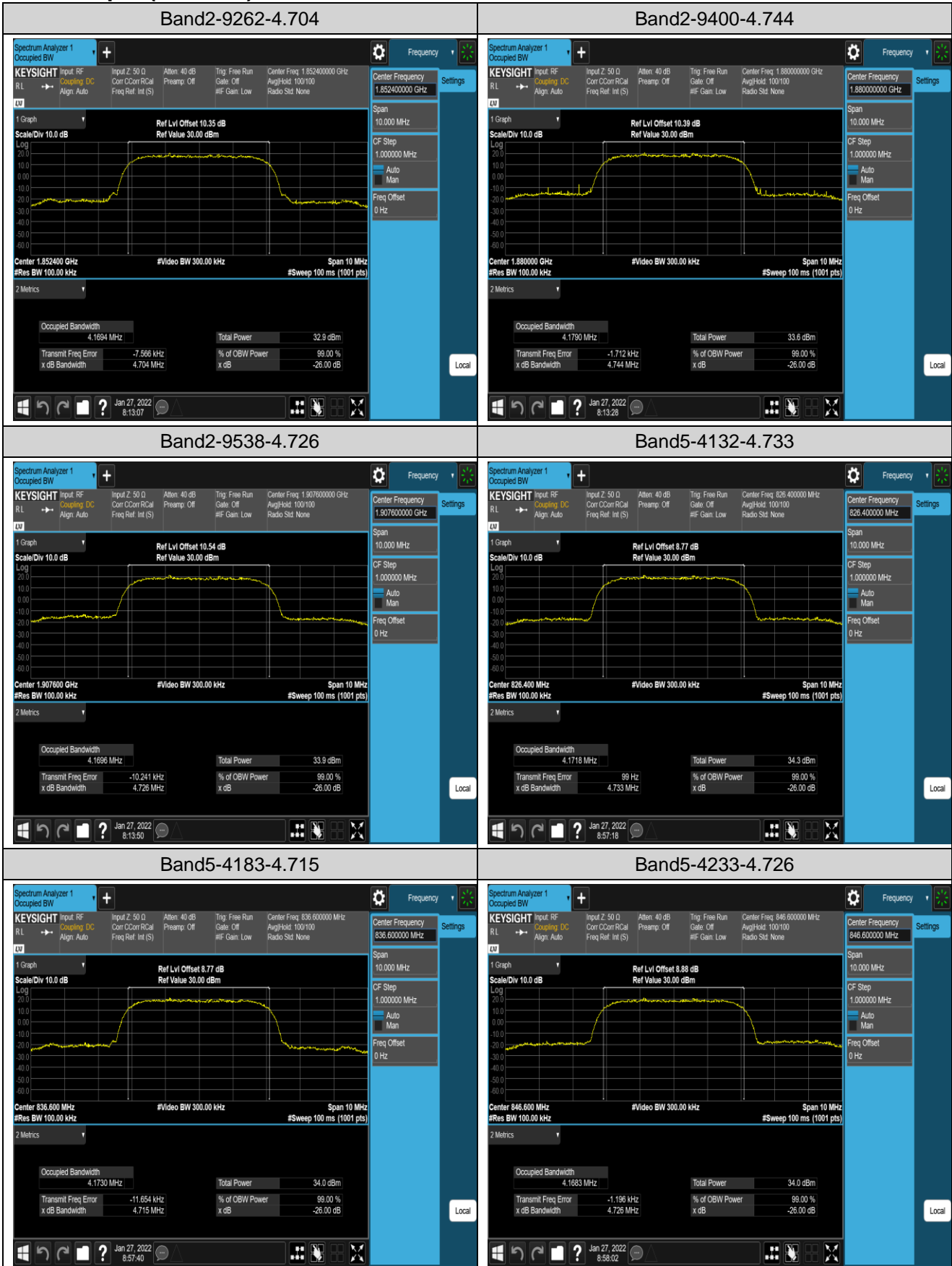


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1694	4.704	---	PASS
Band2	9400	4.1790	4.744	---	PASS
Band2	9538	4.1696	4.726	---	PASS
Band5	4132	4.1718	4.733	---	PASS
Band5	4183	4.1730	4.715	---	PASS
Band5	4233	4.1683	4.726	---	PASS

Test Graphs(WCDMA)

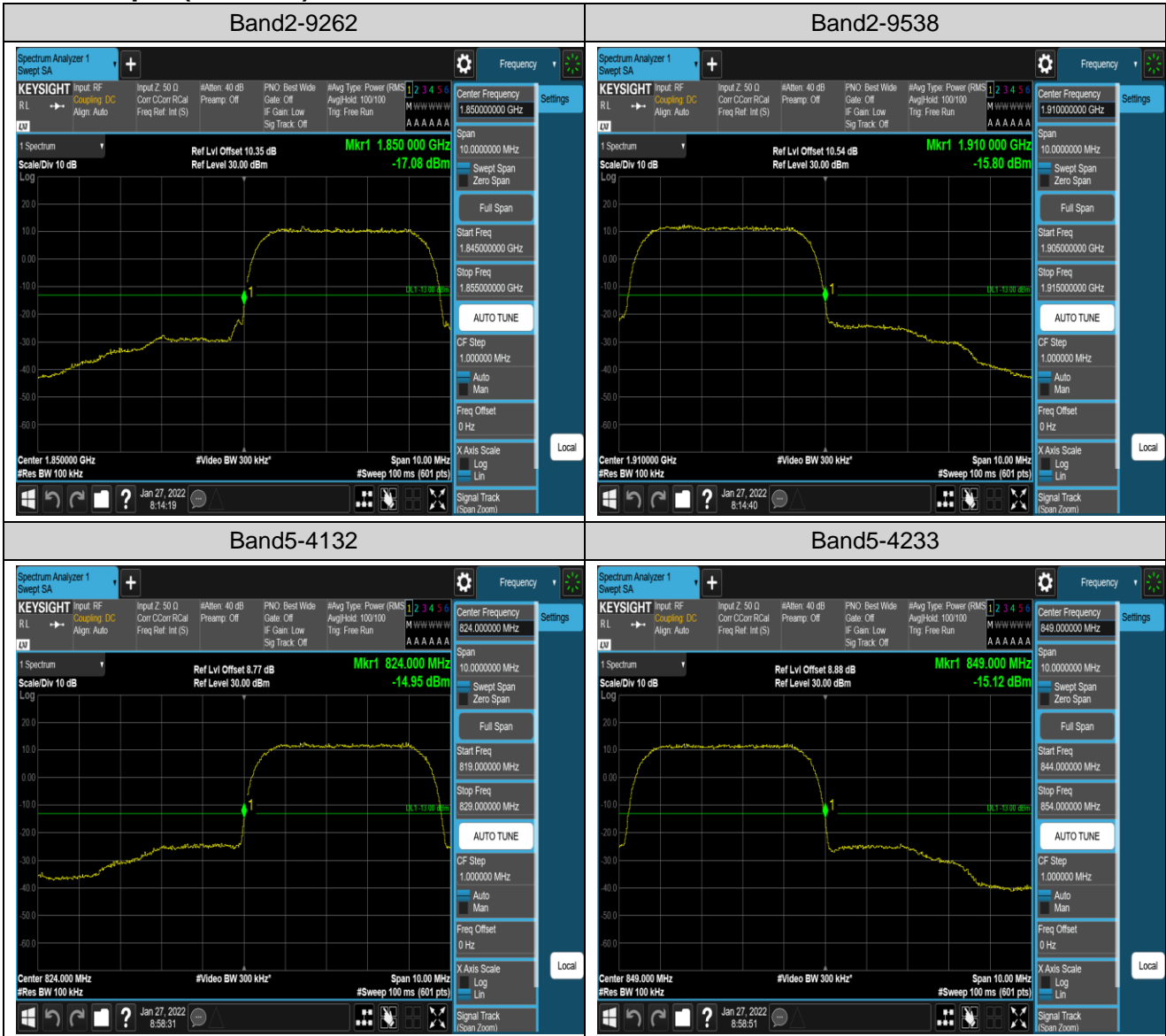


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-17.08	-13	PASS
Band2	9538	1910.00	-15.80	-13	PASS
Band5	4132	824.00	-14.95	-13	PASS
Band5	4233	849.00	-15.12	-13	PASS

Test Graphs(WCDMA)

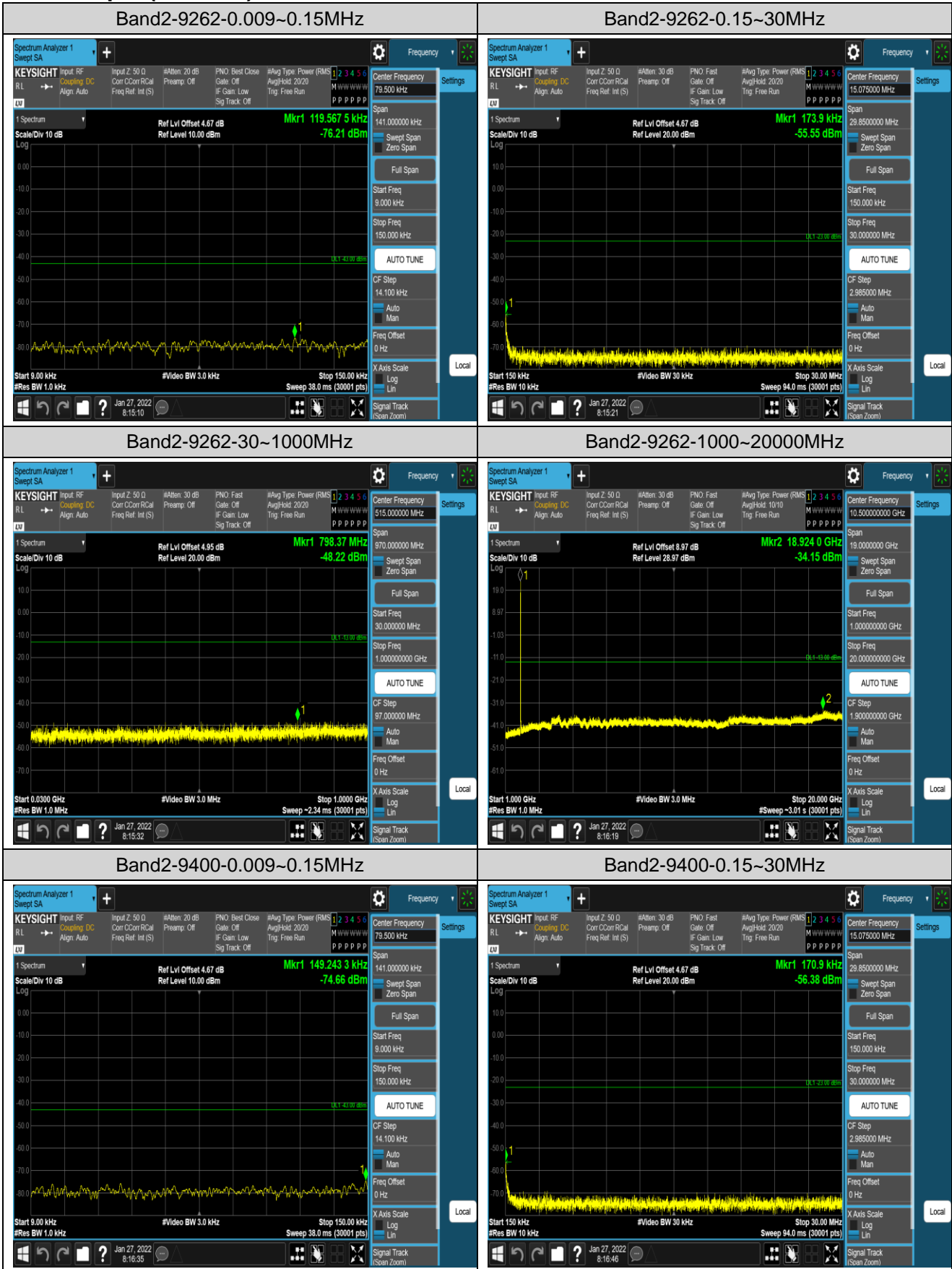


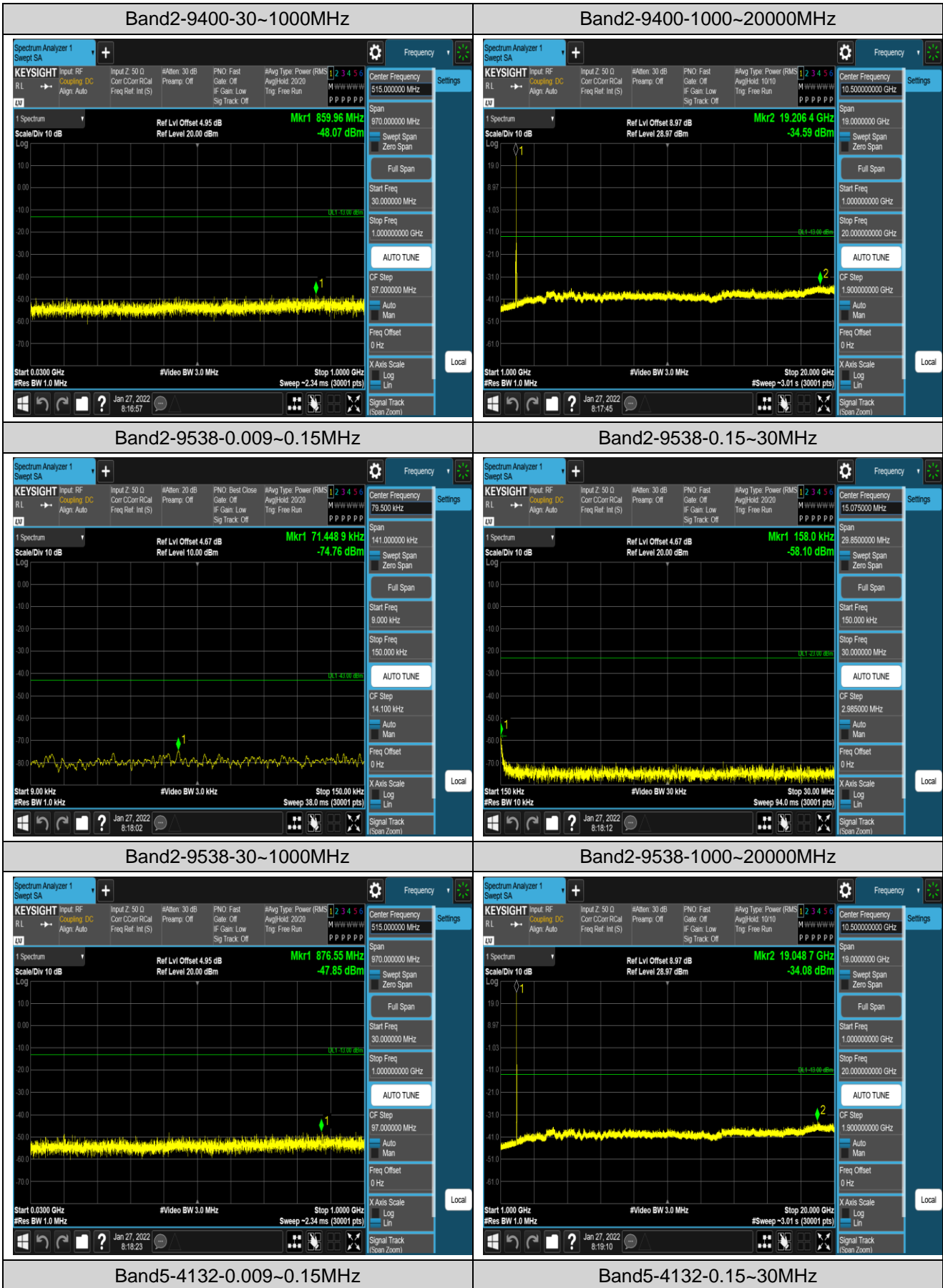
Appendix E: Conducted Spurious Emission

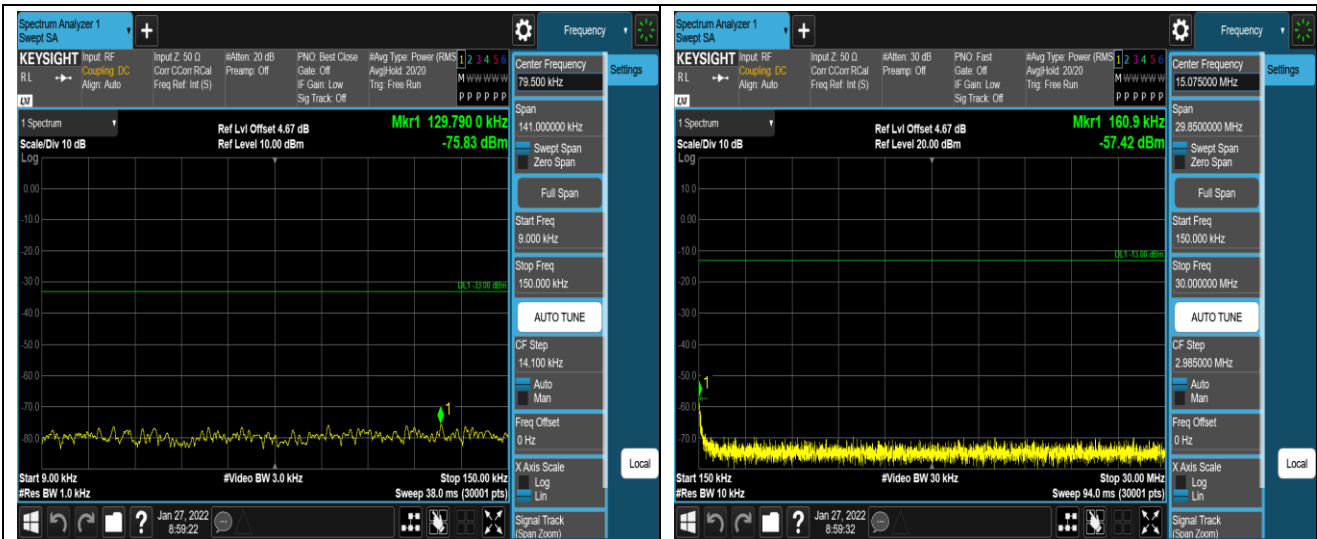
Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.12	-76.21	-43	PASS
Band2	9262	0.15~30MHz	0.17	-55.55	-23	PASS
Band2	9262	30~1000MHz	798.37	-48.22	-13	PASS
Band2	9262	1000~20000MHz	18923.97	-34.15	-13	PASS
Band2	9400	0.009~0.15MHz	0.15	-74.66	-43	PASS
Band2	9400	0.15~30MHz	0.17	-56.38	-23	PASS
Band2	9400	30~1000MHz	859.96	-48.07	-13	PASS
Band2	9400	1000~20000MHz	19206.43	-34.59	-13	PASS
Band2	9538	0.009~0.15MHz	0.07	-74.76	-43	PASS
Band2	9538	0.15~30MHz	0.16	-58.1	-23	PASS
Band2	9538	30~1000MHz	876.55	-47.85	-13	PASS
Band2	9538	1000~20000MHz	19048.73	-34.08	-13	PASS
Band5	4132	0.009~0.15MHz	0.13	-75.83	-33	PASS
Band5	4132	0.15~30MHz	0.16	-57.42	-13	PASS
Band5	4132	30~1000MHz	687.79	-57.57	-13	PASS
Band5	4132	1000~10000MHz	3983.8	-35.52	-13	PASS
Band5	4183	0.009~0.15MHz	0.12	-75.77	-33	PASS
Band5	4183	0.15~30MHz	0.18	-56.77	-13	PASS
Band5	4183	30~1000MHz	575.08	-57.57	-13	PASS
Band5	4183	1000~10000MHz	4976.2	-36.13	-13	PASS
Band5	4233	0.009~0.15MHz	0.08	-74.5	-33	PASS
Band5	4233	0.15~30MHz	0.15	-58.57	-13	PASS
Band5	4233	30~1000MHz	997.8	-57.17	-13	PASS
Band5	4233	1000~10000MHz	3924.4	-36.31	-13	PASS

Test Graphs(WCDMA)







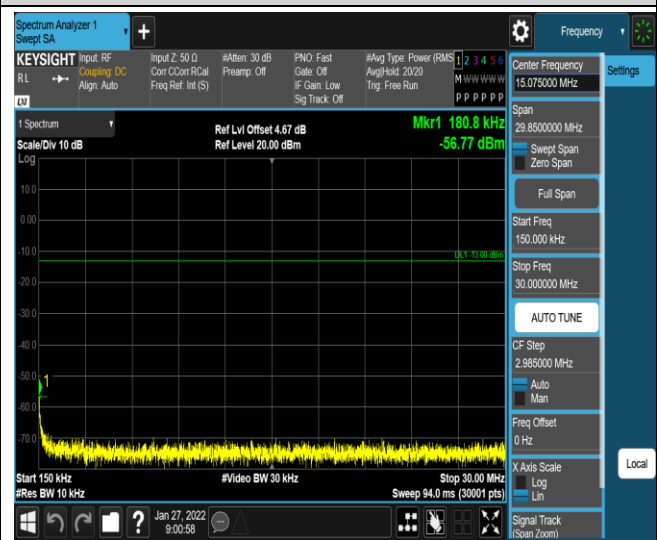
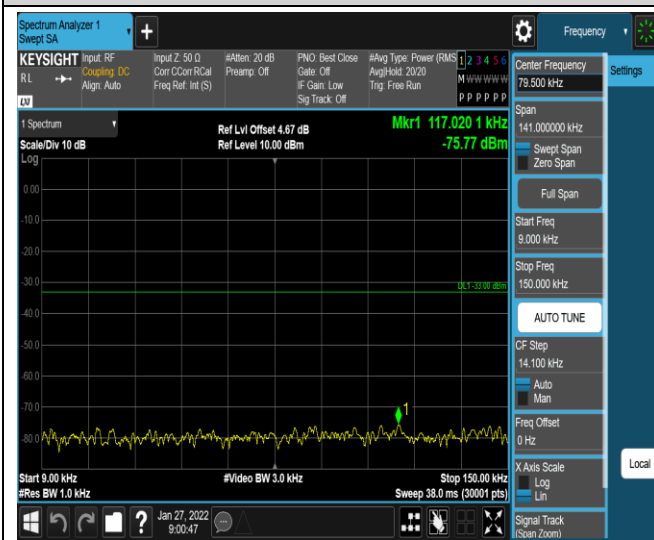
Band5-4132-30~1000MHz

Band5-4132-1000~10000MHz



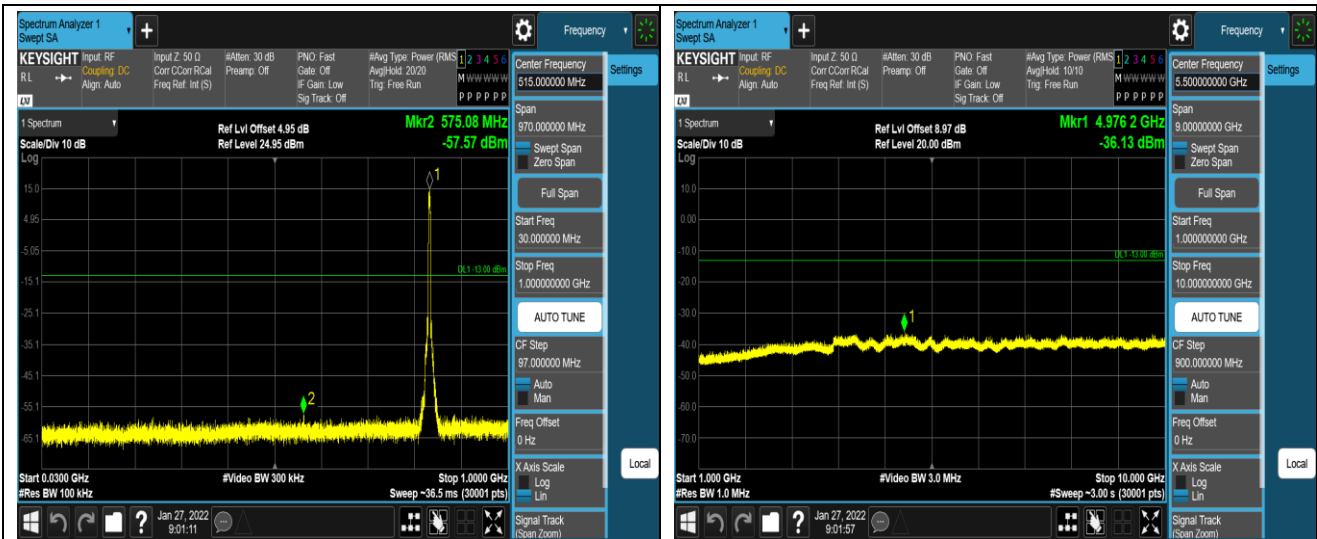
Band5-4183-0.009~0.15MHz

Band5-4183-0.15~30MHz



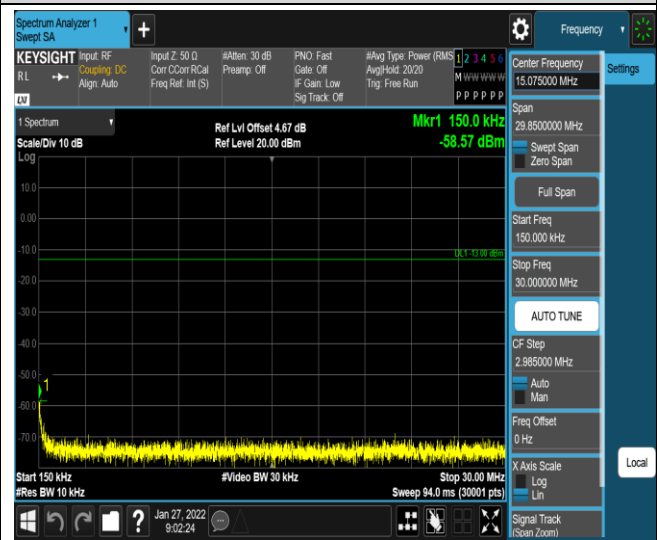
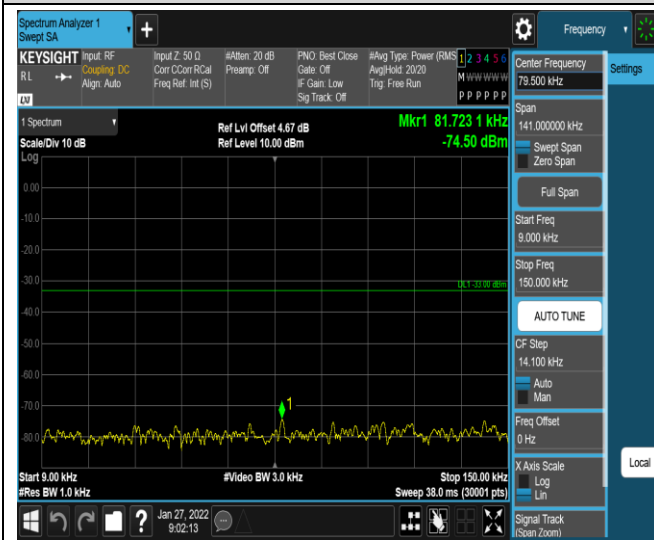
Band5-4183-30~1000MHz

Band5-4183-1000~10000MHz



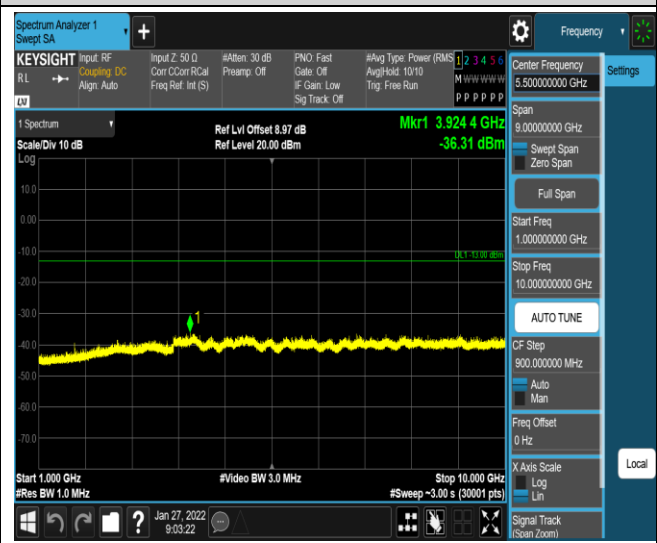
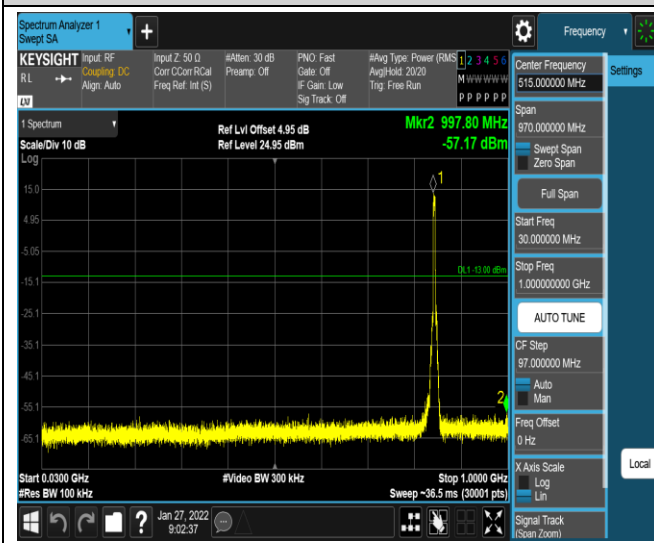
Band5-4233-0.009~0.15MHz

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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
11.1	-30	-14.79	-0.017679	±2.5	Pass
	-20	-13.82	-0.016519		
	-10	-9.66	-0.011547		
	0	-10.84	-0.012957		
	10	-12.98	-0.015515		
	20	-7.47	-0.008929		
	30	-12.19	-0.014571		
	40	-13.48	-0.016113		
	50	-3.45	-0.004124		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9.44	-12.88	-0.015396	±2.5	Pass
	11.1	-12.20	-0.014583		
	12.77	-7.23	-0.008642		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
11.1	-30	-13.25	-0.007048	Within authorized band for BAND II	Pass
	-20	-11.92	-0.006340		
	-10	-11.62	-0.006181		
	0	-14.98	-0.007968		
	10	-10.98	-0.005840		
	20	-11.81	-0.006282		
	30	-14.55	-0.007739		
	40	-15.54	-0.008266		
	50	-9.91	-0.005271		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9.44	-13.51	-0.007186	Within authorized band for BAND II	Pass
	11.1	-11.88	-0.006319		
	12.77	-11.44	-0.006085		
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

