

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	22.46	22.86	33.01	PASS
Band2	TestMode	9262	22.46	22.86	33.01	PASS
Band2	TestMode	9400	23.03	23.43	33.01	PASS
Band2	Voice	9400	23.05	23.45	33.01	PASS
Band2	TestMode	9538	23.08	23.48	33.01	PASS
Band2	Voice	9538	23.10	23.5	33.01	PASS
Band5	Voice	4132	22.85	19.4	38.45	PASS
Band5	TestMode	4132	22.72	19.27	38.45	PASS
Band5	TestMode	4183	22.90	19.45	38.45	PASS
Band5	Voice	4183	22.91	19.46	38.45	PASS
Band5	Voice	4233	22.84	19.39	38.45	PASS
Band5	TestMode	4233	22.79	19.34	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.74	22.14	33.01	PASS
Band2	9262	2	21.41	21.81	33.01	PASS
Band2	9262	3	21.24	21.64	33.01	PASS
Band2	9262	4	21.31	21.71	33.01	PASS
Band2	9400	1	22.37	22.77	33.01	PASS
Band2	9400	2	22.05	22.45	33.01	PASS
Band2	9400	3	21.95	22.35	33.01	PASS
Band2	9400	4	21.90	22.3	33.01	PASS
Band2	9538	1	22.43	22.83	33.01	PASS
Band2	9538	2	22.09	22.49	33.01	PASS
Band2	9538	3	22.06	22.46	33.01	PASS
Band2	9538	4	21.95	22.35	33.01	PASS
Band5	4132	1	21.66	18.21	38.5	PASS
Band5	4132	2	21.30	17.85	38.5	PASS
Band5	4132	3	20.92	17.47	38.5	PASS
Band5	4132	4	20.98	17.53	38.5	PASS
Band5	4183	1	21.71	18.26	38.5	PASS
Band5	4183	2	21.56	18.11	38.5	PASS
Band5	4183	3	21.18	17.73	38.5	PASS

Band5	4183	4	21.23	17.78	38.5	PASS
Band5	4233	1	21.59	18.14	38.5	PASS
Band5	4233	2	21.33	17.88	38.5	PASS
Band5	4233	3	20.90	17.45	38.5	PASS
Band5	4233	4	21.01	17.56	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.41	19.81	33.01	PASS
Band2	9262	2	20.04	20.44	33.01	PASS
Band2	9262	3	19.97	20.37	33.01	PASS
Band2	9262	4	20.12	20.52	33.01	PASS
Band2	9262	5	21.89	22.29	33.01	PASS
Band2	9400	1	20.32	20.72	33.01	PASS
Band2	9400	2	20.76	21.16	33.01	PASS
Band2	9400	3	20.51	20.91	33.01	PASS
Band2	9400	4	20.81	21.21	33.01	PASS
Band2	9400	5	22.40	22.8	33.01	PASS
Band2	9538	1	20.45	20.85	33.01	PASS
Band2	9538	2	20.84	21.24	33.01	PASS
Band2	9538	3	20.64	21.04	33.01	PASS
Band2	9538	4	20.88	21.28	33.01	PASS
Band2	9538	5	22.46	22.86	33.01	PASS
Band5	4132	1	20.36	16.91	38.5	PASS
Band5	4132	2	20.49	17.04	38.5	PASS
Band5	4132	3	19.96	16.51	38.5	PASS
Band5	4132	4	19.99	16.54	38.5	PASS
Band5	4132	5	21.44	17.99	38.5	PASS
Band5	4183	1	20.57	17.12	38.5	PASS
Band5	4183	2	20.72	17.27	38.5	PASS
Band5	4183	3	20.41	16.96	38.5	PASS
Band5	4183	4	20.20	16.75	38.5	PASS
Band5	4183	5	21.68	18.23	38.5	PASS
Band5	4233	1	20.25	16.8	38.5	PASS
Band5	4233	2	20.42	16.97	38.5	PASS
Band5	4233	3	20.09	16.64	38.5	PASS
Band5	4233	4	20.00	16.55	38.5	PASS
Band5	4233	5	21.49	18.04	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2)
 ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

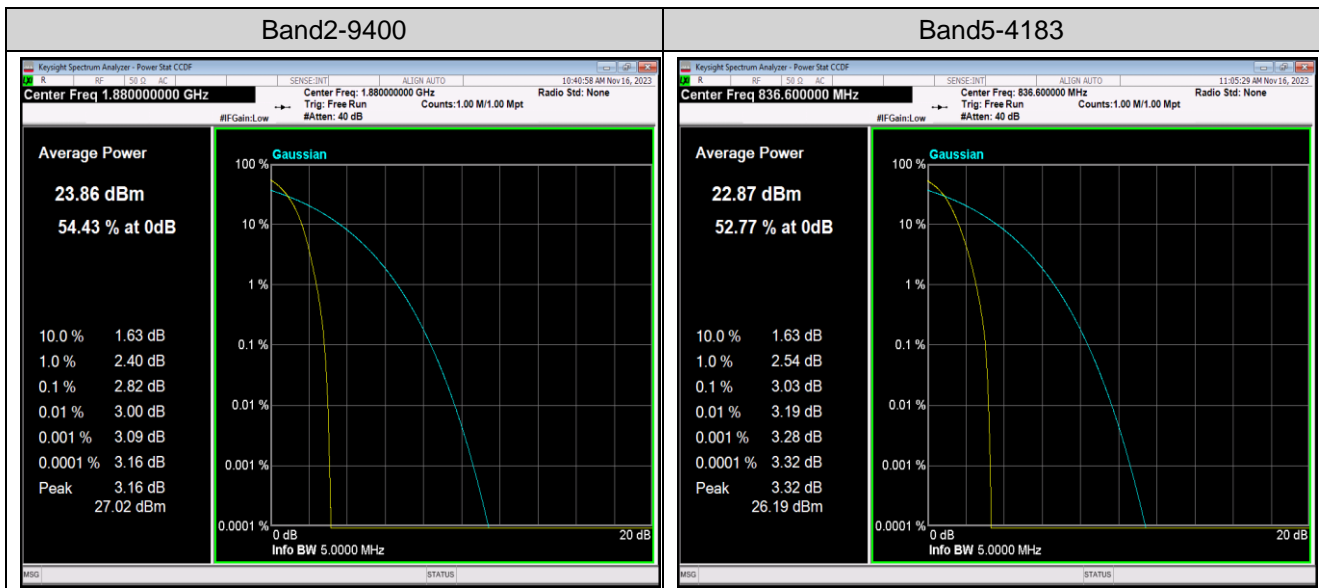
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.82	13	PASS
Band5	4183	3.03	13	PASS

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

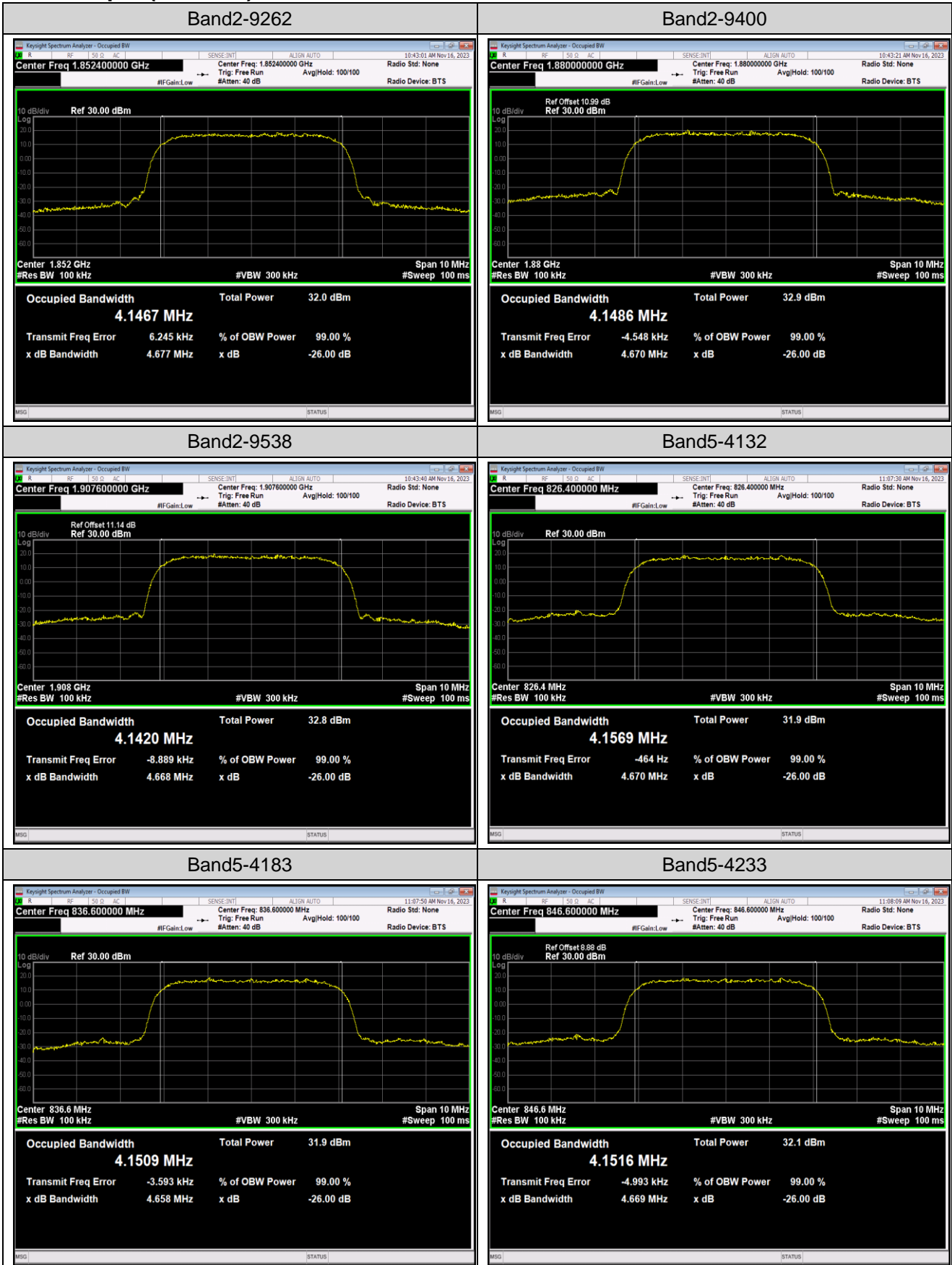
Test Graphs(WCDMA)



AppendixC:26dB Bandwidth andOccupied Bandwidth**Test Result(WCDMA)**

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1467	4.677	---	PASS
Band2	9400	4.1486	4.670	---	PASS
Band2	9538	4.1420	4.668	---	PASS
Band5	4132	4.1569	4.670	---	PASS
Band5	4183	4.1509	4.658	---	PASS
Band5	4233	4.1516	4.669	---	PASS

Test Graphs(WCDMA)

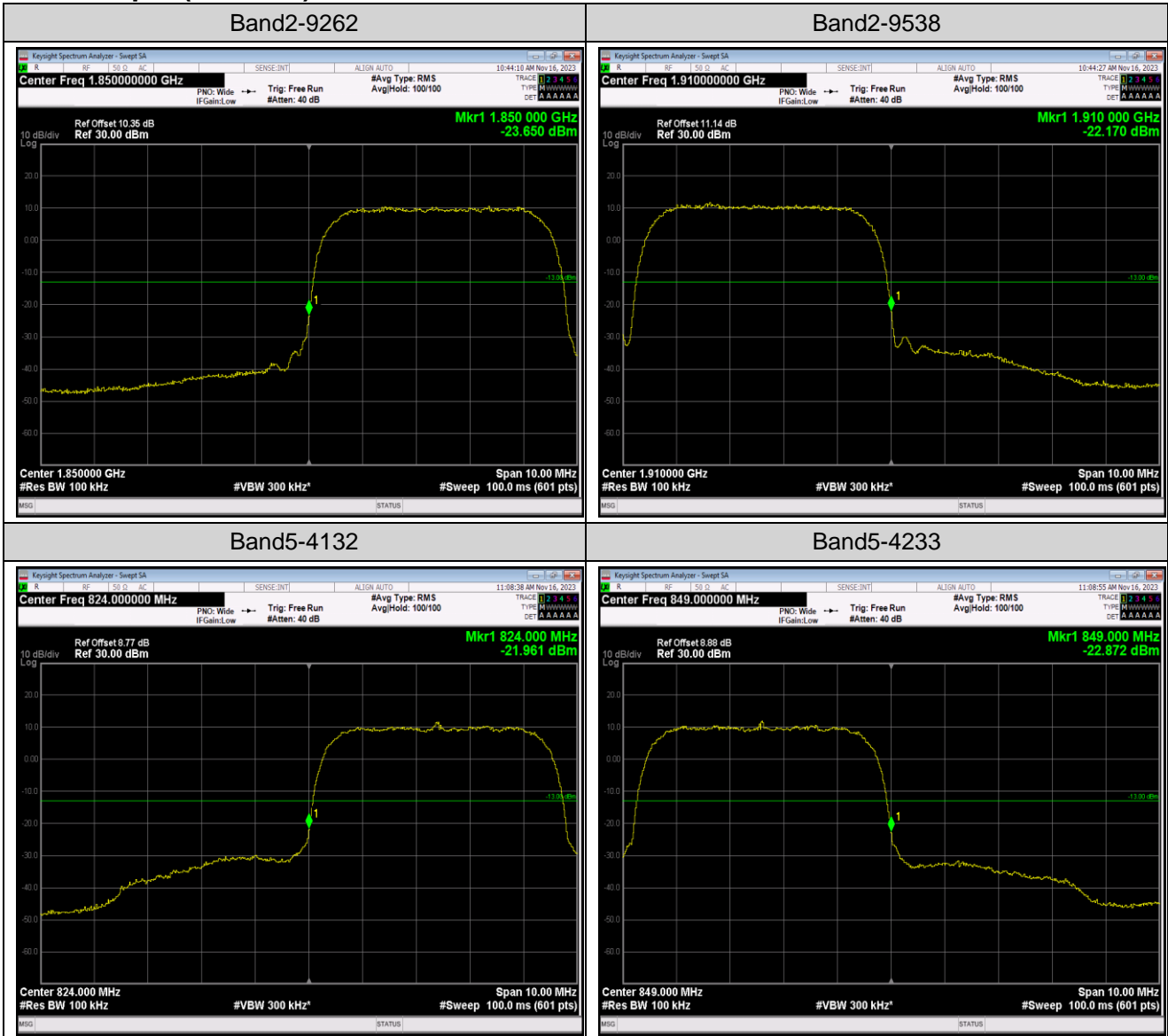


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.65	-13	PASS
Band2	9538	1910.00	-22.17	-13	PASS
Band5	4132	824.00	-21.96	-13	PASS
Band5	4233	849.00	-22.87	-13	PASS

Test Graphs(WCDMA)

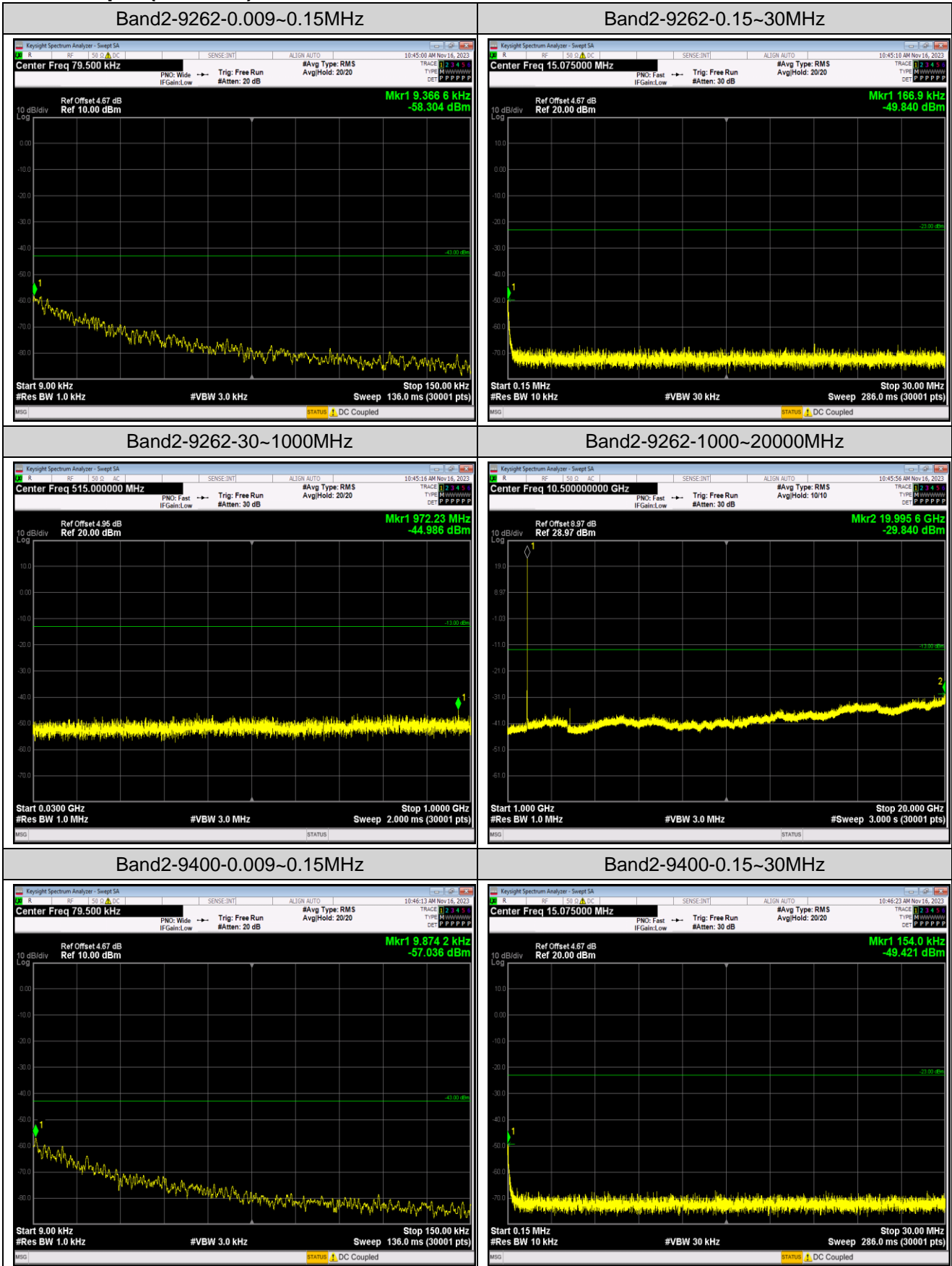


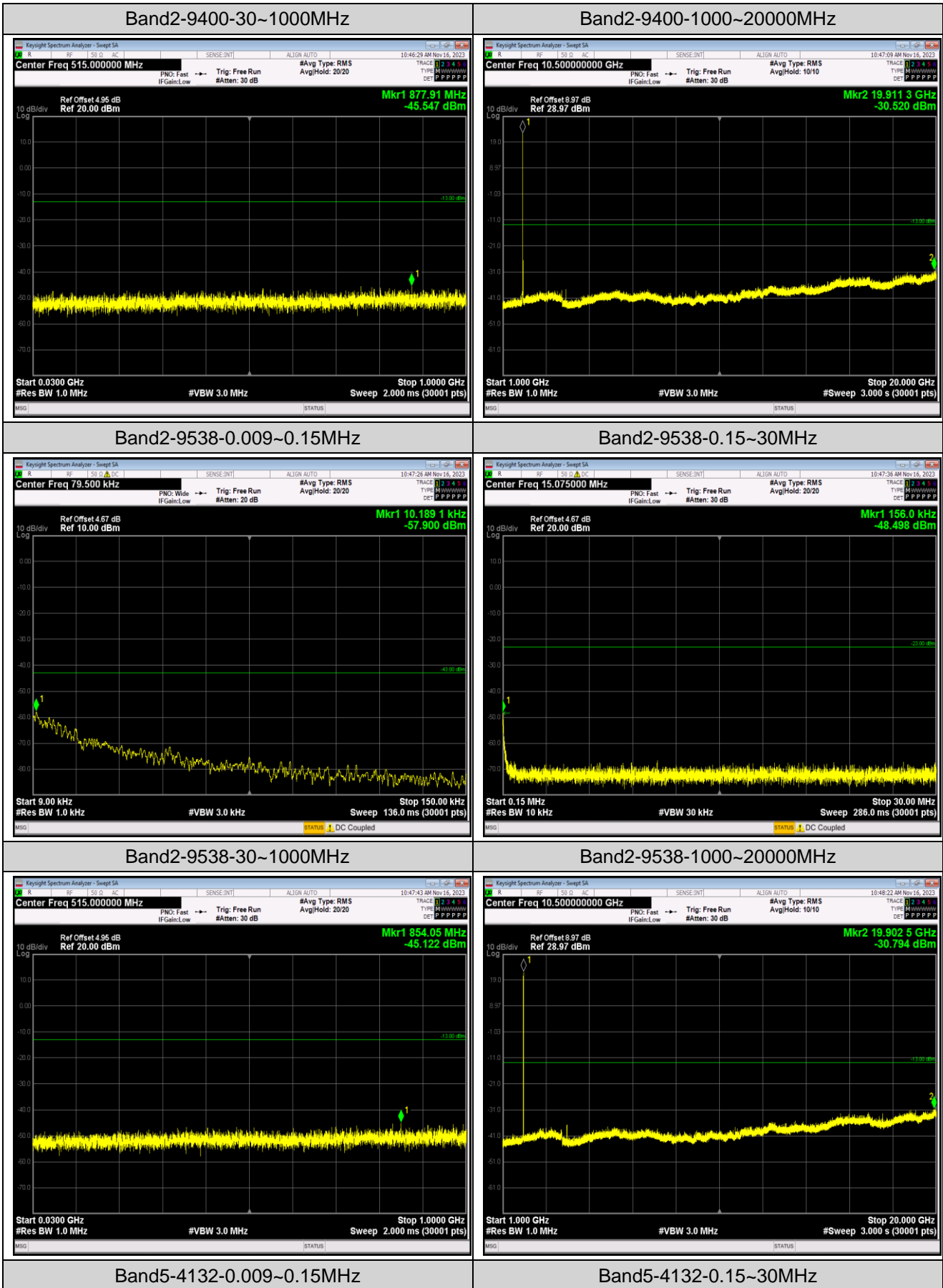
Appendix E: Conducted Spurious Emission

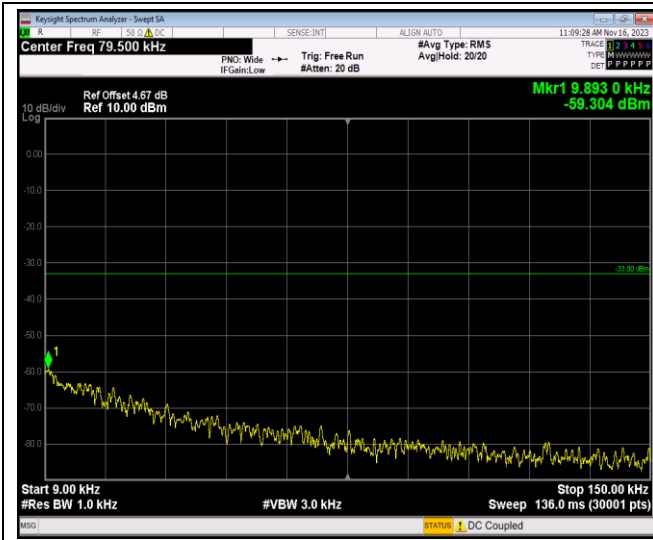
Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-58.3	-43	PASS
Band2	9262	0.15~30MHz	0.17	-49.84	-23	PASS
Band2	9262	30~1000MHz	972.23	-44.99	-13	PASS
Band2	9262	1000~20000MHz	19995.57	-29.84	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.04	-43	PASS
Band2	9400	0.15~30MHz	0.15	-49.42	-23	PASS
Band2	9400	30~1000MHz	877.91	-45.55	-13	PASS
Band2	9400	1000~20000MHz	19911.33	-30.52	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-57.9	-43	PASS
Band2	9538	0.15~30MHz	0.16	-48.5	-23	PASS
Band2	9538	30~1000MHz	854.05	-45.12	-13	PASS
Band2	9538	1000~20000MHz	19902.47	-30.79	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-59.3	-33	PASS
Band5	4132	0.15~30MHz	0.15	-48.86	-13	PASS
Band5	4132	30~1000MHz	927.19	-54.25	-13	PASS
Band5	4132	1000~10000MHz	5593	-37.09	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-57	-33	PASS
Band5	4183	0.15~30MHz	0.17	-50.77	-13	PASS
Band5	4183	30~1000MHz	992.21	-54.05	-13	PASS
Band5	4183	1000~10000MHz	5943.1	-36.6	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.97	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.53	-13	PASS
Band5	4233	30~1000MHz	708.19	-54.44	-13	PASS
Band5	4233	1000~10000MHz	5876.8	-37.38	-13	PASS

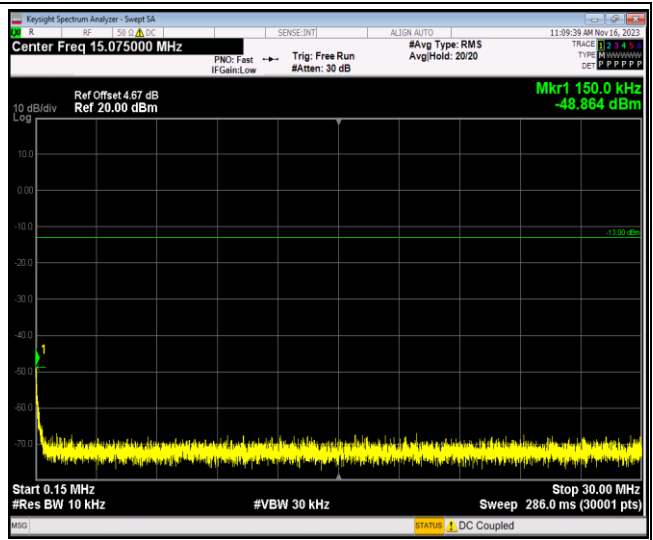
Test Graphs(WCDMA)



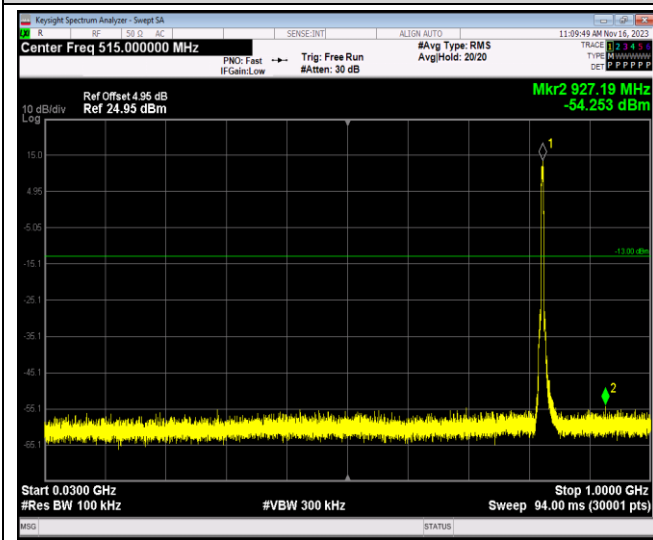




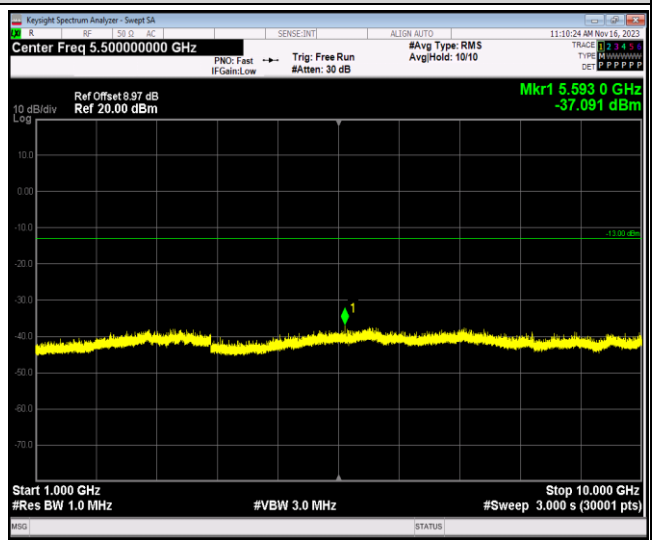
Band5-4132-30~1000MHz



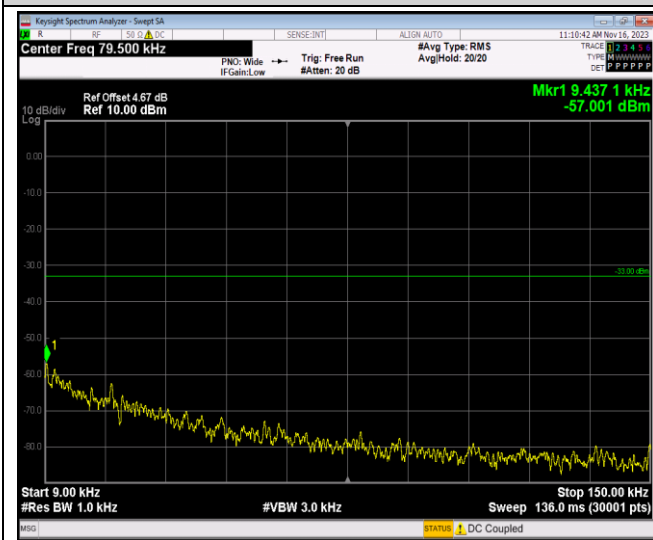
Band5-4132-1000~10000MHz



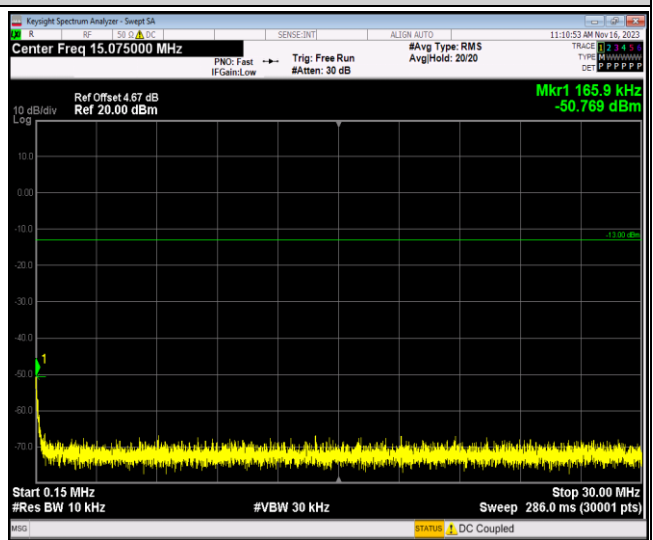
Band5-4183-0.009~0.15MHz



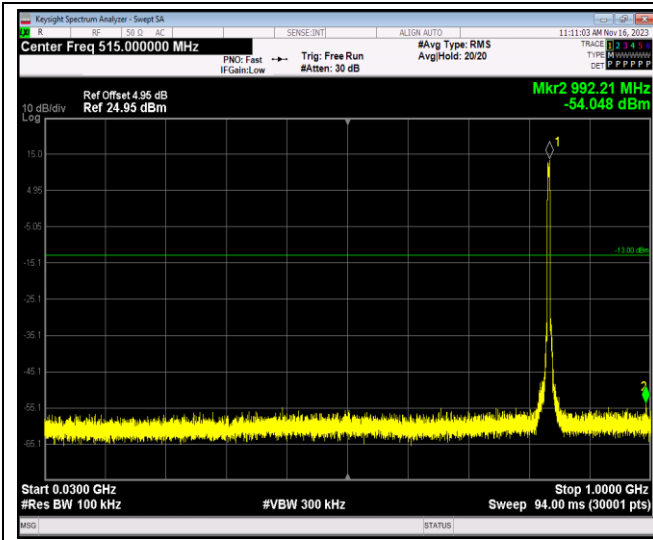
Band5-4183-0.15~30MHz



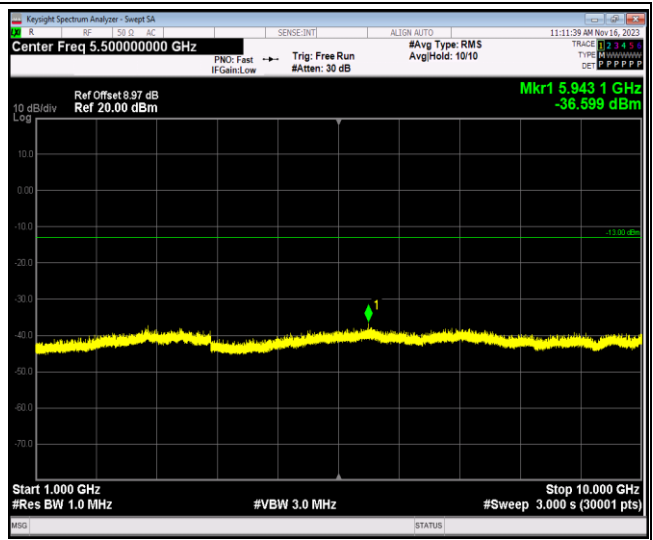
Band5-4183-30~1000MHz



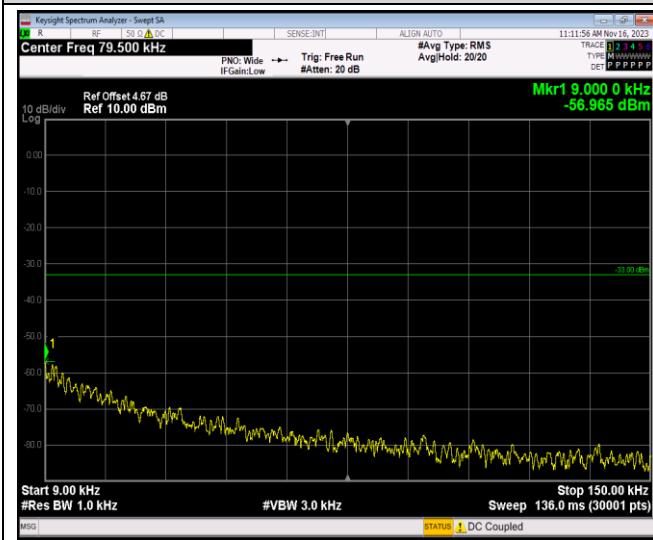
Band5-4183-1000~10000MHz



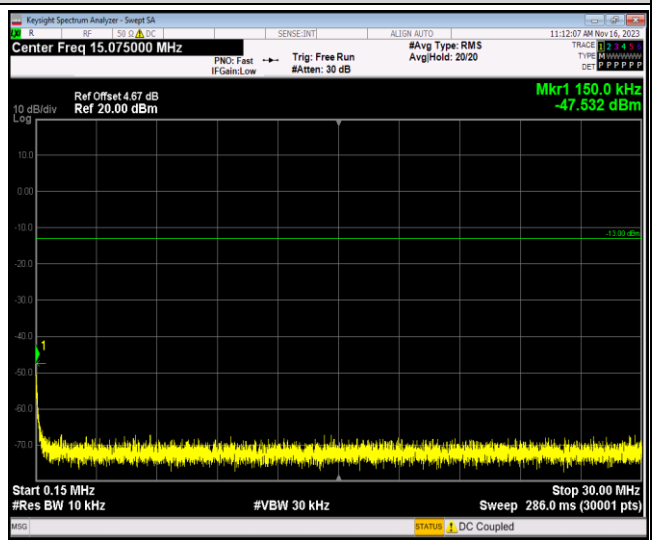
Band5-4233-0.009~0.15MHz



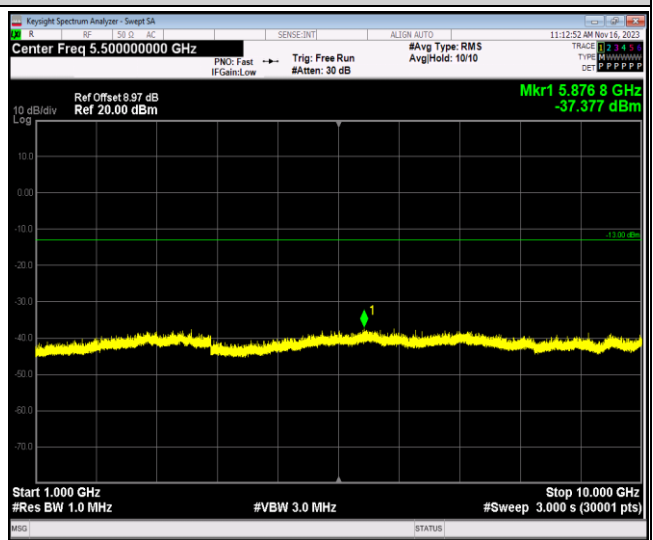
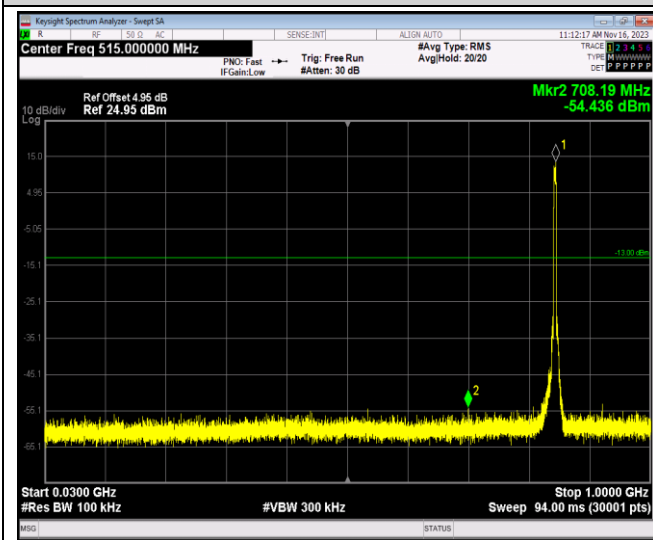
Band5-4233-0.15~30MHz



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		
3.80	-30	-1.17	-0.001399	±2.5	Pass
	-20	-0.05	-0.000060		
	-10	-1.67	-0.001996		
	0	-0.94	-0.001124		
	10	0.60	0.000717		
	20	1.09	0.001303		
	30	-0.21	-0.000251		
	40	0.59	0.000705		
	50	-0.40	-0.000478		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.08	-0.000096	±2.5	Pass
	3.80	1.03	0.001231		
	4.35	-0.11	-0.000131		
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		
3.80	-30	-9.22	-0.004904	Within authorized band for BAND II	Pass
	-20	-2.24	-0.001191		
	-10	4.72	0.002511		
	0	5.87	0.003122		
	10	2.55	0.001356		
	20	-4.35	-0.002314		
	30	-4.23	-0.002250		
	40	-0.95	-0.000505		
	50	-0.39	-0.000207		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-2.87	-0.001527	Within authorized band for BAND II	Pass
	3.80	1.75	0.000931		
	4.35	-2.59	-0.001378		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

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

