

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	TestMode	9262	22.46	23.46	33.01	PASS
Band2	TestMode	9400	22.45	23.45	33.01	PASS
Band2	TestMode	9538	22.53	23.53	33.01	PASS
Band5	TestMode	4132	22.91	19.06	38.5	PASS
Band5	TestMode	4183	22.95	19.10	38.5	PASS
Band5	TestMode	4233	22.79	18.94	38.5	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.00	23.00	33.01	PASS
Band2	9262	2	21.98	22.98	33.01	PASS
Band2	9262	3	21.99	22.99	33.01	PASS
Band2	9262	4	21.98	22.98	33.01	PASS
Band2	9400	1	22.03	23.03	33.01	PASS
Band2	9400	2	22.04	23.04	33.01	PASS
Band2	9400	3	22.02	23.02	33.01	PASS
Band2	9400	4	22.02	23.02	33.01	PASS
Band2	9538	1	21.96	22.96	33.01	PASS
Band2	9538	2	21.96	22.96	33.01	PASS
Band2	9538	3	21.94	22.94	33.01	PASS
Band2	9538	4	21.93	22.93	33.01	PASS
Band5	4132	1	22.13	18.28	38.5	PASS
Band5	4132	2	21.88	18.03	38.5	PASS
Band5	4132	3	21.46	17.61	38.5	PASS
Band5	4132	4	21.51	17.66	38.5	PASS
Band5	4183	1	21.81	17.96	38.5	PASS
Band5	4183	2	21.57	17.72	38.5	PASS
Band5	4183	3	21.12	17.27	38.5	PASS
Band5	4183	4	21.17	17.32	38.5	PASS
Band5	4233	1	21.80	17.95	38.5	PASS
Band5	4233	2	21.58	17.73	38.5	PASS
Band5	4233	3	21.13	17.28	38.5	PASS
Band5	4233	4	21.19	17.34	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.63	20.63	33.01	PASS
Band2	9262	2	20.08	21.08	33.01	PASS
Band2	9262	3	19.59	20.59	33.01	PASS
Band2	9262	4	19.92	20.92	33.01	PASS
Band2	9262	5	22.04	23.04	33.01	PASS
Band2	9400	1	19.59	20.59	33.01	PASS
Band2	9400	2	20.27	21.27	33.01	PASS
Band2	9400	3	20.27	21.27	33.01	PASS
Band2	9400	4	20.10	21.10	33.01	PASS
Band2	9400	5	22.18	23.18	33.01	PASS
Band2	9538	1	19.88	20.88	33.01	PASS
Band2	9538	2	20.31	21.31	33.01	PASS
Band2	9538	3	20.29	21.29	33.01	PASS
Band2	9538	4	20.11	21.11	33.01	PASS
Band2	9538	5	22.04	23.04	33.01	PASS
Band5	4132	1	20.66	16.81	38.5	PASS
Band5	4132	2	20.71	16.86	38.5	PASS
Band5	4132	3	20.50	16.65	38.5	PASS
Band5	4132	4	20.32	16.47	38.5	PASS
Band5	4132	5	21.96	18.11	38.5	PASS
Band5	4183	1	19.75	15.9	38.5	PASS
Band5	4183	2	20.39	16.54	38.5	PASS
Band5	4183	3	19.84	15.99	38.5	PASS
Band5	4183	4	19.88	16.03	38.5	PASS
Band5	4183	5	21.64	17.79	38.5	PASS
Band5	4233	1	19.79	15.94	38.5	PASS
Band5	4233	2	20.30	16.45	38.5	PASS
Band5	4233	3	19.91	16.06	38.5	PASS
Band5	4233	4	20.03	16.18	38.5	PASS
Band5	4233	5	21.67	17.82	38.5	PASS

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

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

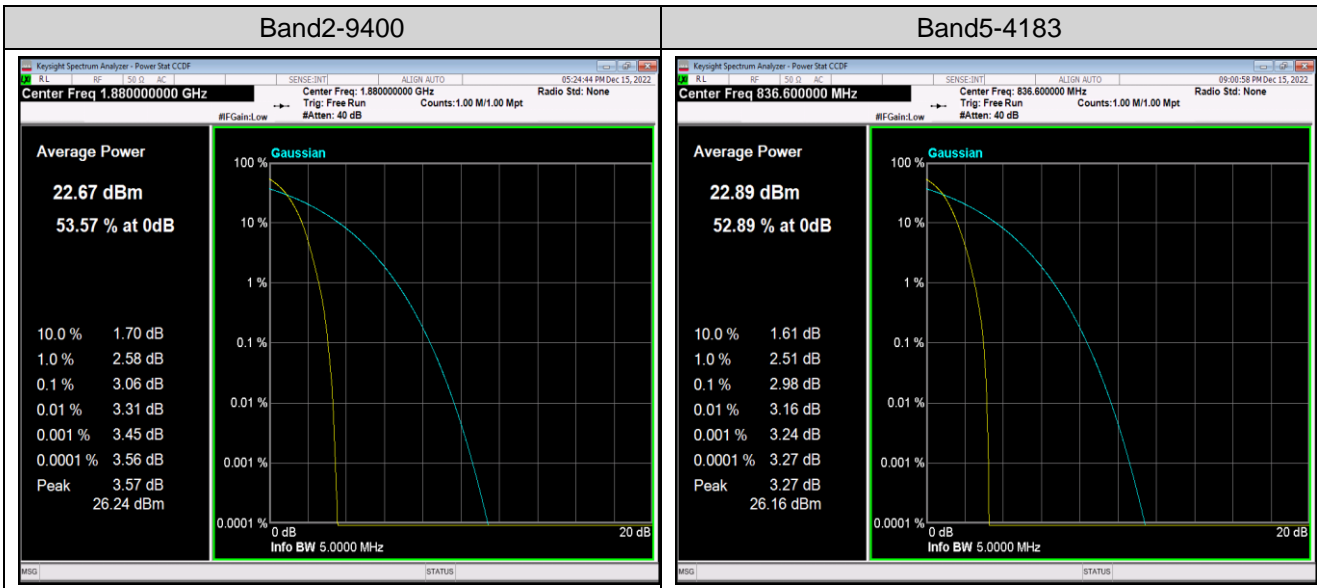
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.06	13	PASS
Band5	4183	2.98	13	PASS

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

Test Graphs(WCDMA)

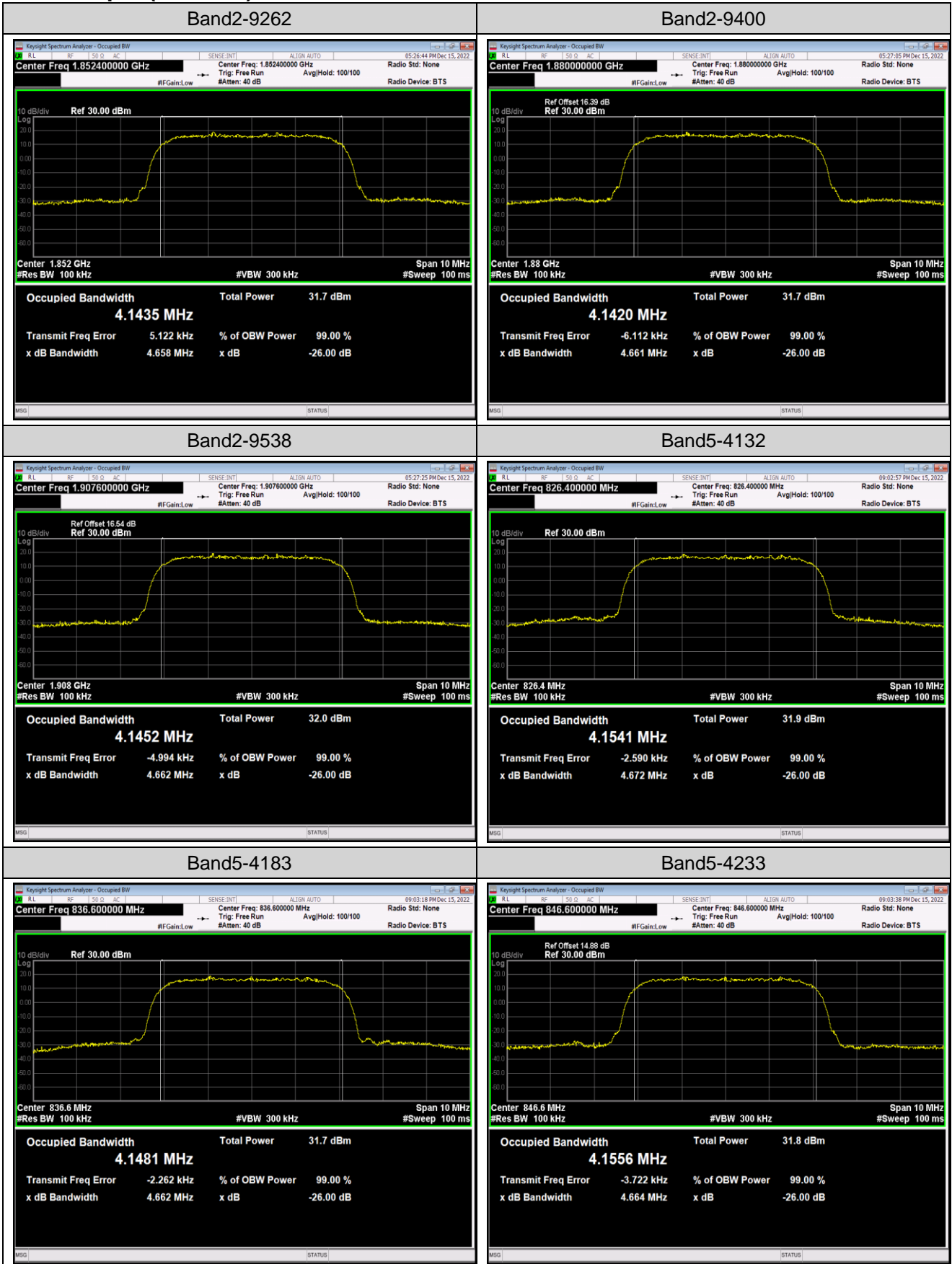


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1435	4.658	---	PASS
Band2	9400	4.1420	4.661	---	PASS
Band2	9538	4.1452	4.662	---	PASS
Band5	4132	4.1541	4.672	---	PASS
Band5	4183	4.1481	4.662	---	PASS
Band5	4233	4.1556	4.664	---	PASS

Test Graphs(WCDMA)

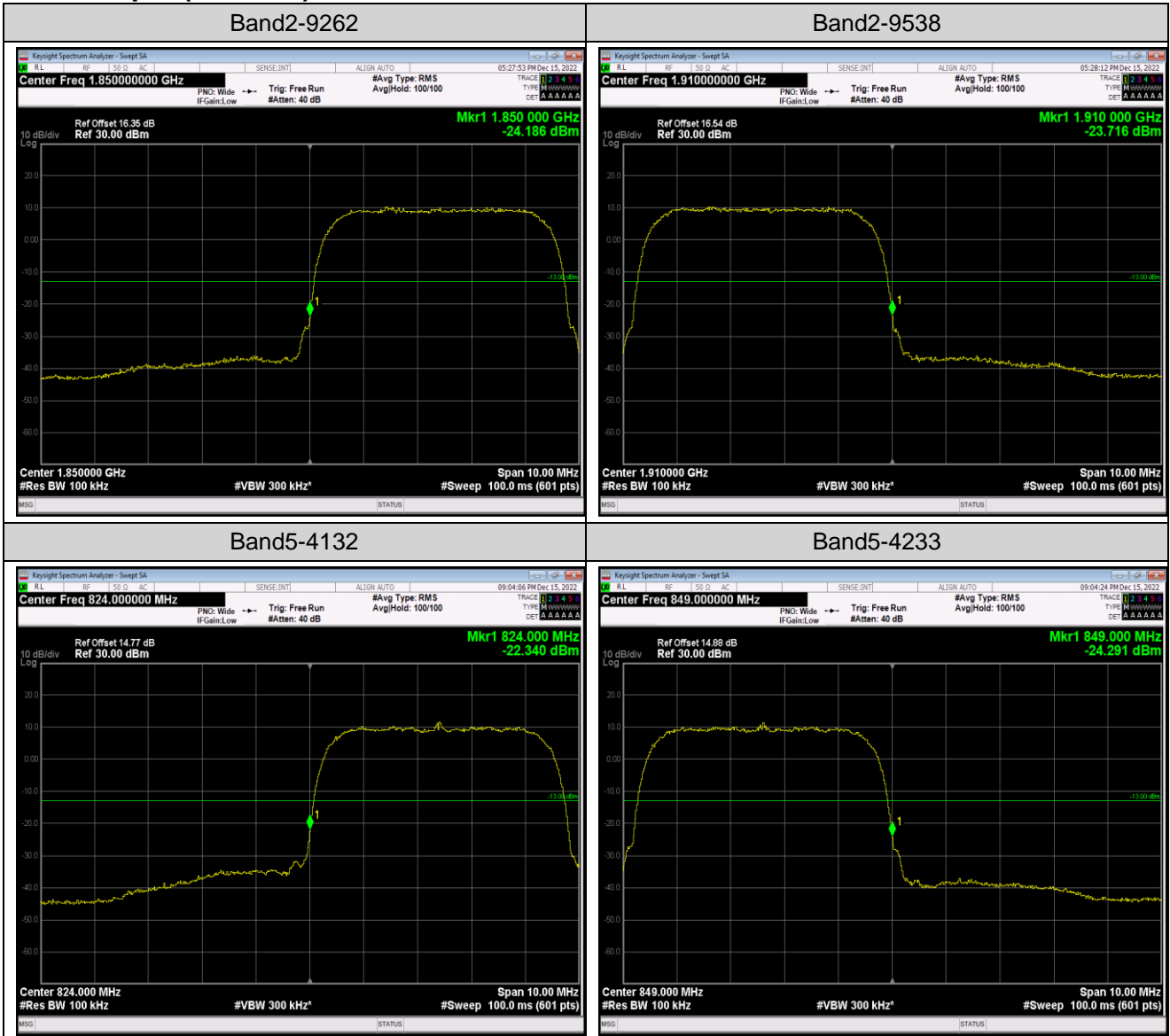


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-24.19	-13	PASS
Band2	9538	1910.00	-23.72	-13	PASS
Band5	4132	824.00	-22.34	-13	PASS
Band5	4233	849.00	-24.29	-13	PASS

Test Graphs(WCDMA)

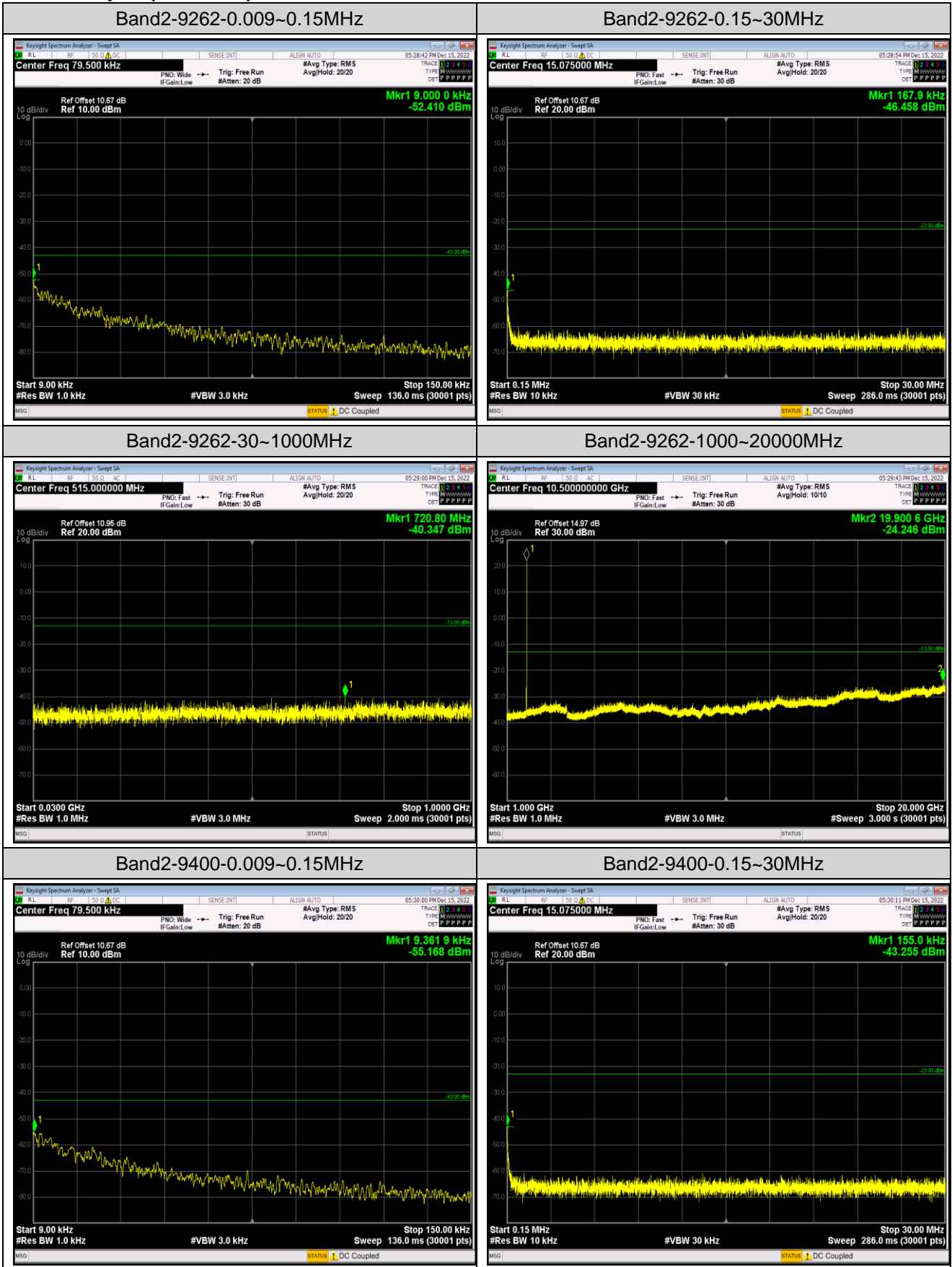


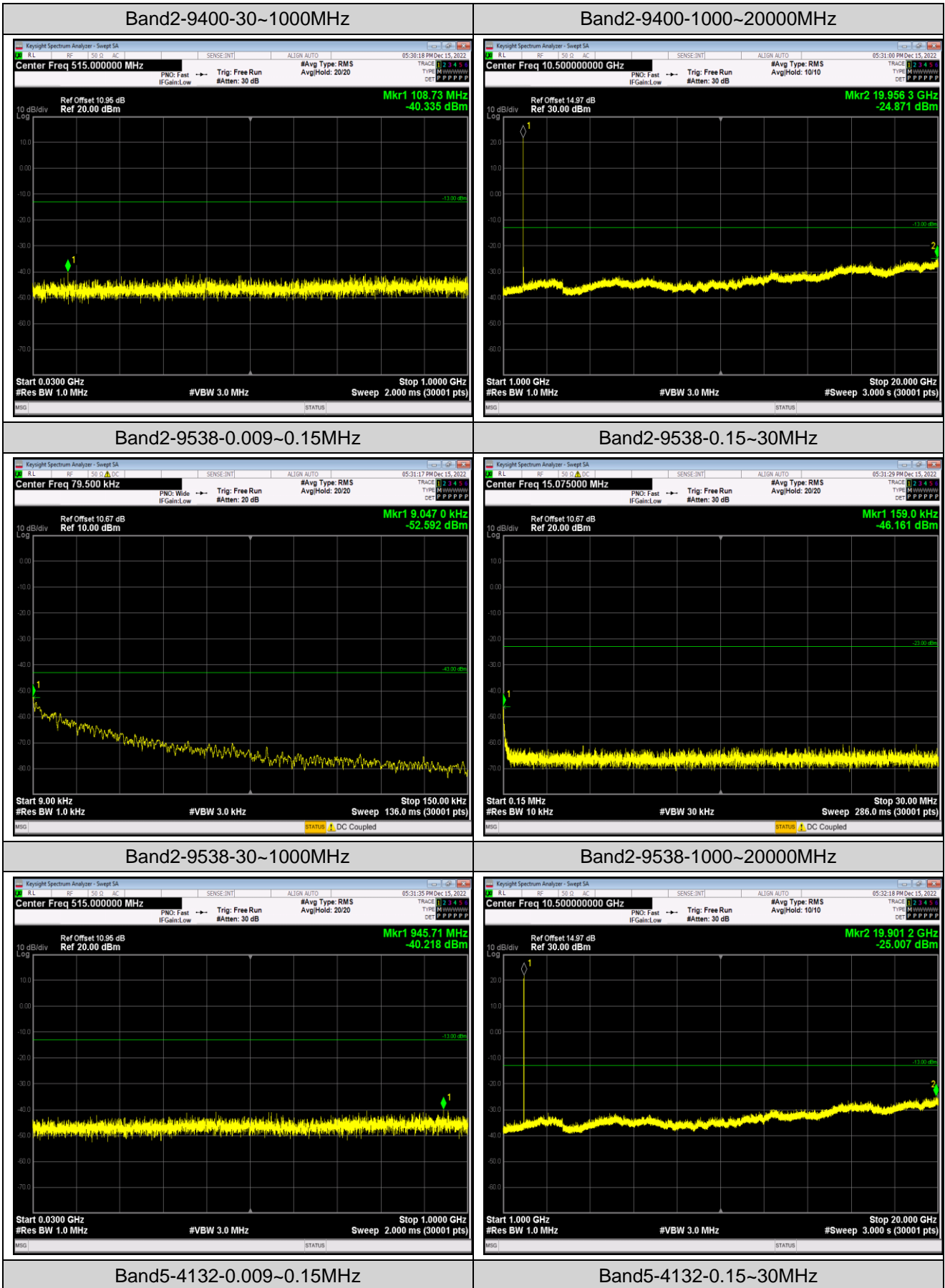
Appendix E: Conducted Spurious Emission

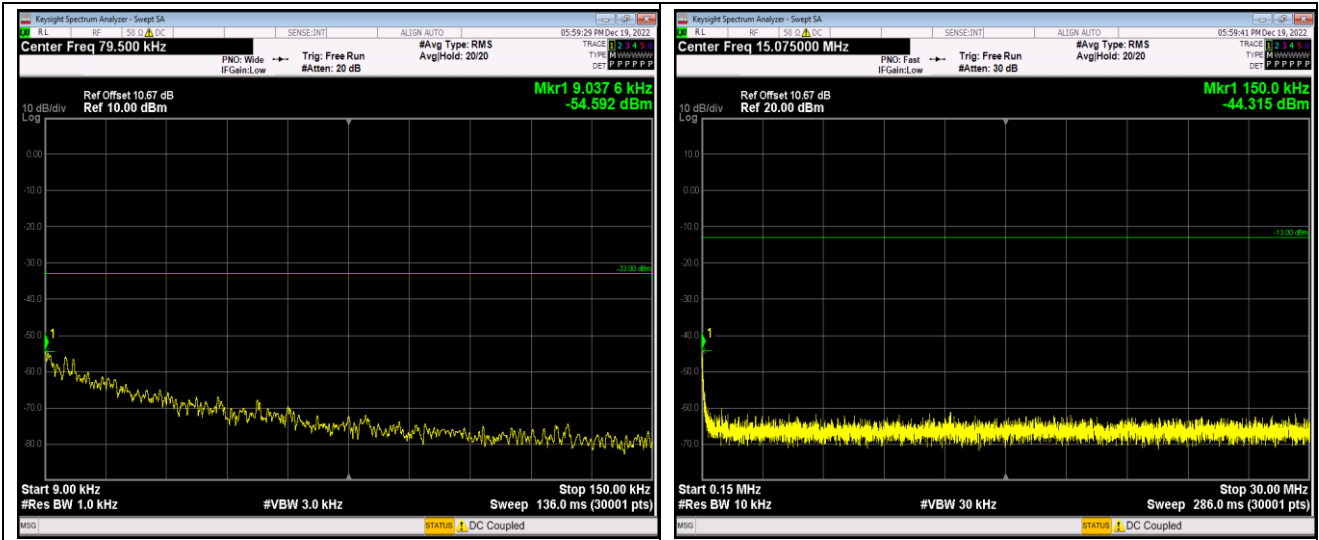
Test Result (WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-52.41	-43	PASS
Band2	9262	0.15~30MHz	0.17	-46.46	-23	PASS
Band2	9262	30~1000MHz	720.8	-40.35	-13	PASS
Band2	9262	1000~20000MHz	19900.57	-24.25	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.17	-43	PASS
Band2	9400	0.15~30MHz	0.15	-43.26	-23	PASS
Band2	9400	30~1000MHz	108.73	-40.34	-13	PASS
Band2	9400	1000~20000MHz	19956.3	-24.87	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-52.59	-43	PASS
Band2	9538	0.15~30MHz	0.16	-46.16	-23	PASS
Band2	9538	30~1000MHz	945.71	-40.22	-13	PASS
Band2	9538	1000~20000MHz	19901.2	-25.01	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.59	-33	PASS
Band5	4132	0.15~30MHz	0.15	-44.32	-13	PASS
Band5	4132	30~1000MHz	999.16	-49.26	-13	PASS
Band5	4132	1000~10000MHz	3300.7	-30.96	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-52.56	-33	PASS
Band5	4183	0.15~30MHz	0.15	-43.76	-13	PASS
Band5	4183	30~1000MHz	702.7	-48.08	-13	PASS
Band5	4183	1000~10000MHz	3341.8	-30.35	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.02	-33	PASS
Band5	4233	0.15~30MHz	0.15	-44.76	-13	PASS
Band5	4233	30~1000MHz	677.8	-49.58	-13	PASS
Band5	4233	1000~10000MHz	3389.5	-29.88	-13	PASS

Test Graphs(WCDMA)

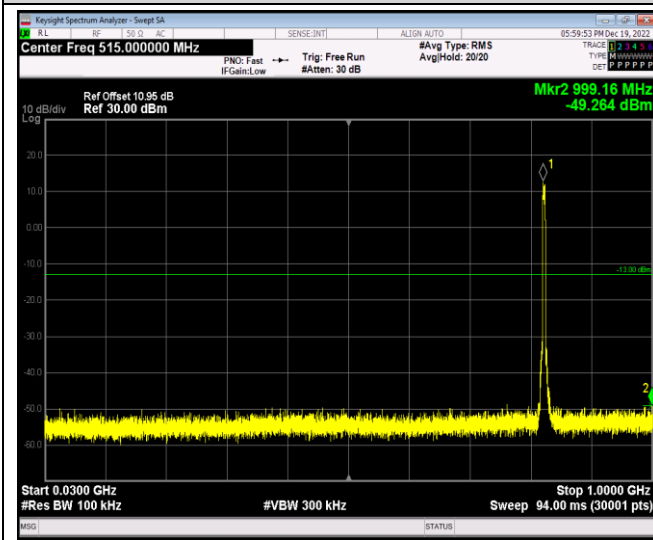




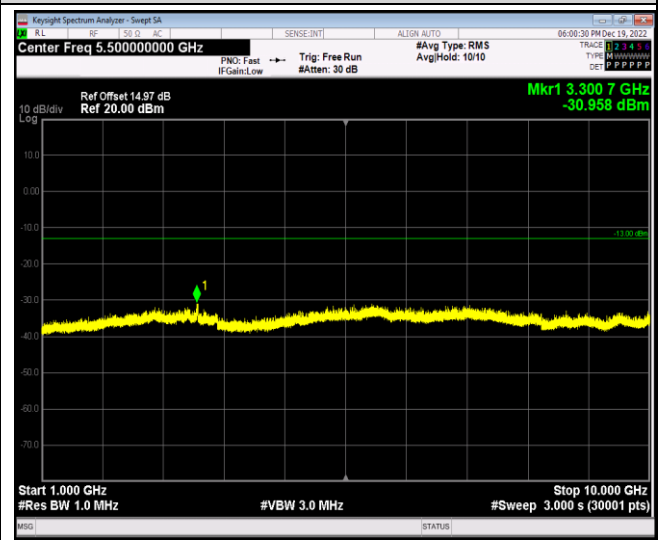


Band5-4132-30~1000MHz

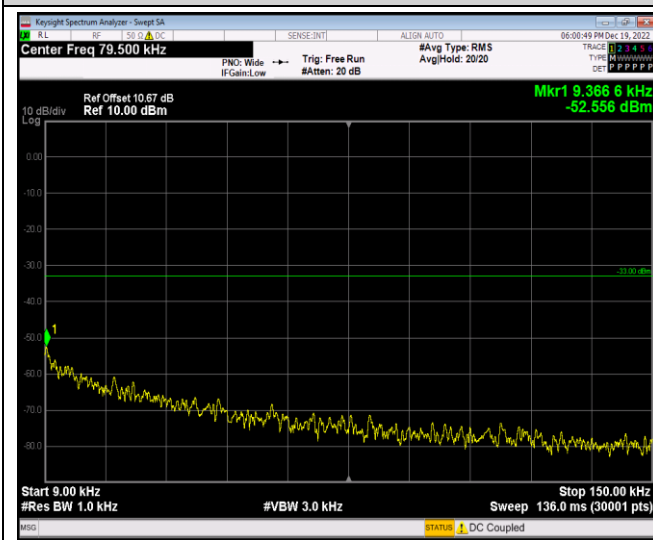
Band5-4132-1000~10000MHz



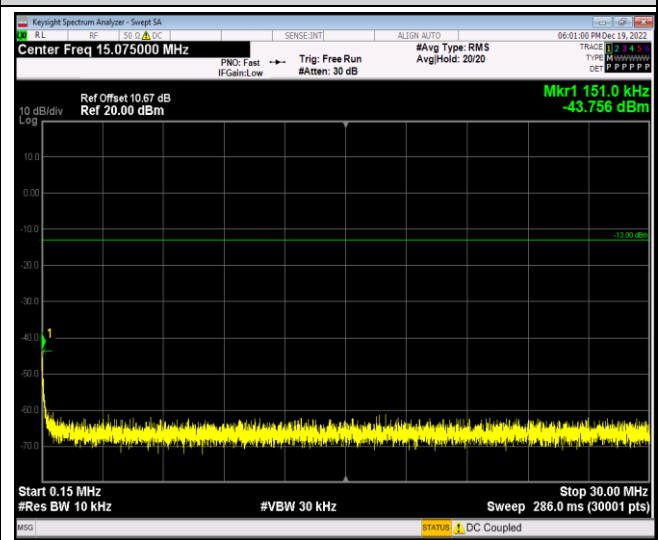
Band5-4183-0.009~0.15MHz



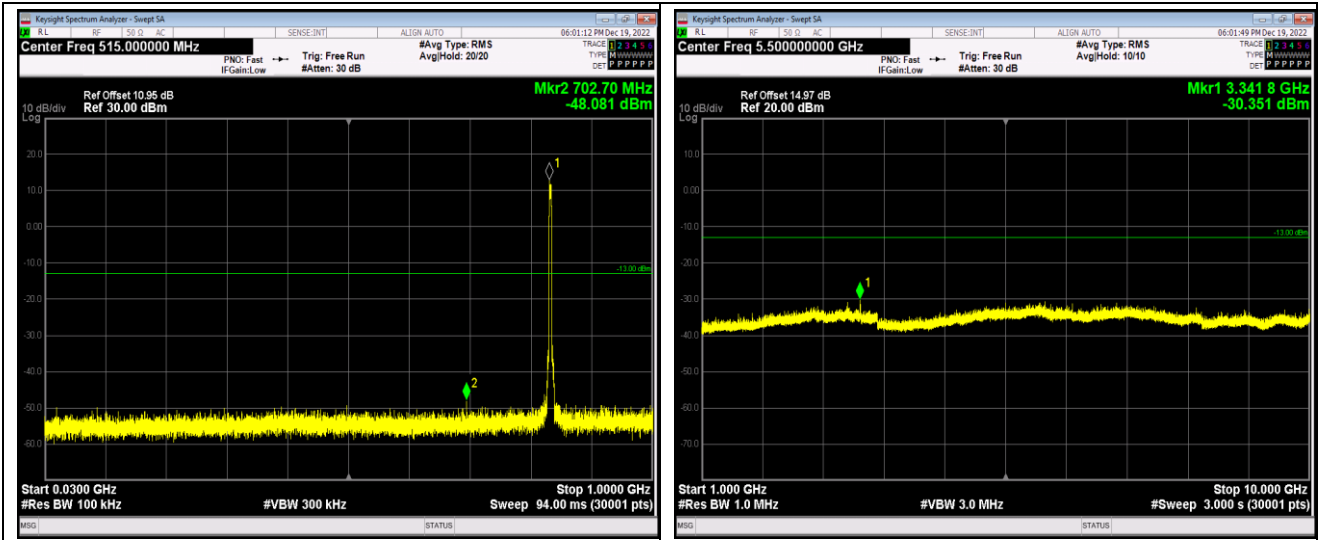
Band5-4183-0.15~30MHz



Band5-4183-30~1000MHz

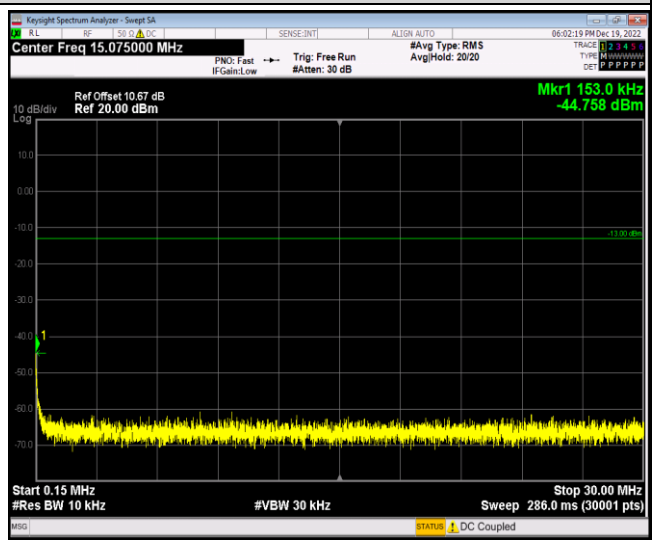
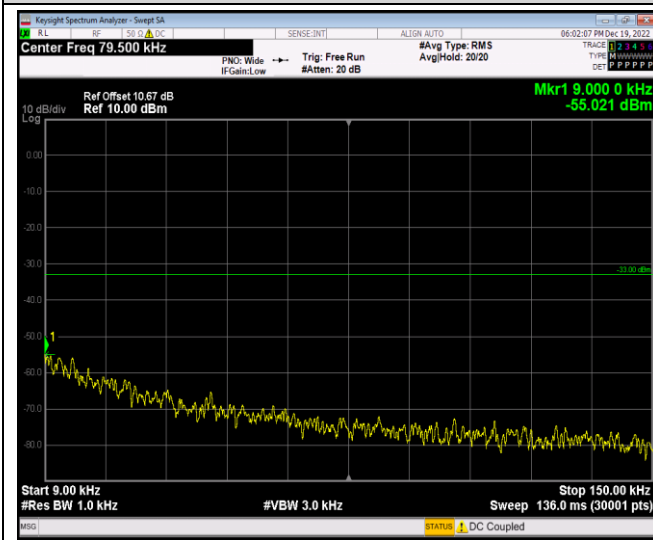


Band5-4183-1000~10000MHz



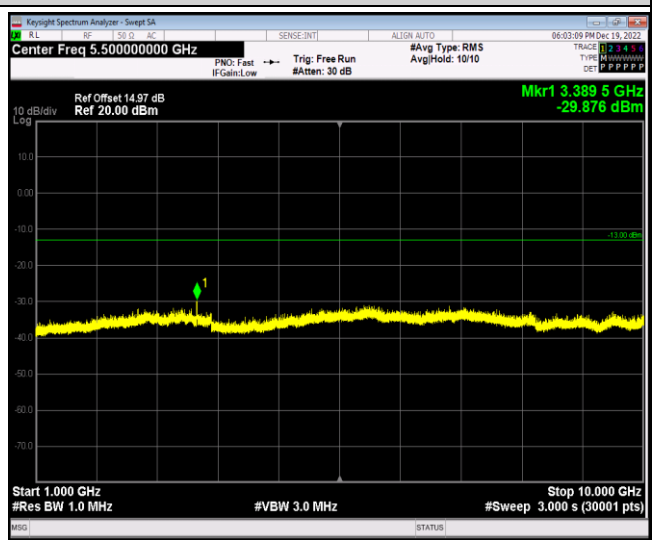
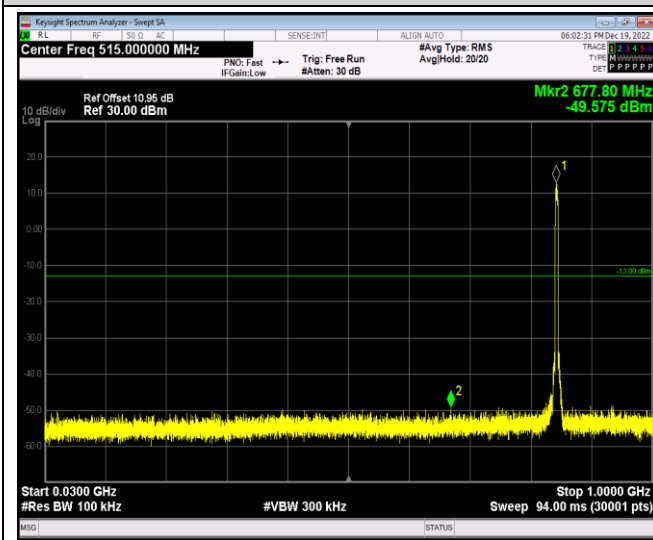
Band5-4233-0.009~0.15MHz

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		
3.70	-30	-1.72	-0.002056	±2.5	Pass
	-20	2.15	0.002570		
	-10	-0.76	-0.000908		
	0	-0.01	-0.000012		
	10	1.18	0.001410		
	20	3.35	0.004004		
	30	0.51	0.000610		
	40	0.82	0.000980		
	50	-0.31	-0.000371		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.33	0.88	0.001052	±2.5	Pass
	3.70	0.63	0.000753		
	4.07	0.52	0.000622		
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		
3.70	-30	-0.78	-0.000415	Within authorized band for BAND II	Pass
	-20	-0.49	-0.000261		
	-10	-4.93	-0.002622		
	0	6.47	0.003441		
	10	-3.45	-0.001835		
	20	2.70	0.001436		
	30	-2.40	-0.001277		
	40	0.09	0.000048		
	50	-9.58	-0.005096		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.33	4.18	0.002223	Within authorized band for BAND II	Pass
	3.70	-7.07	-0.003761		
	4.07	6.47	0.003441		
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

