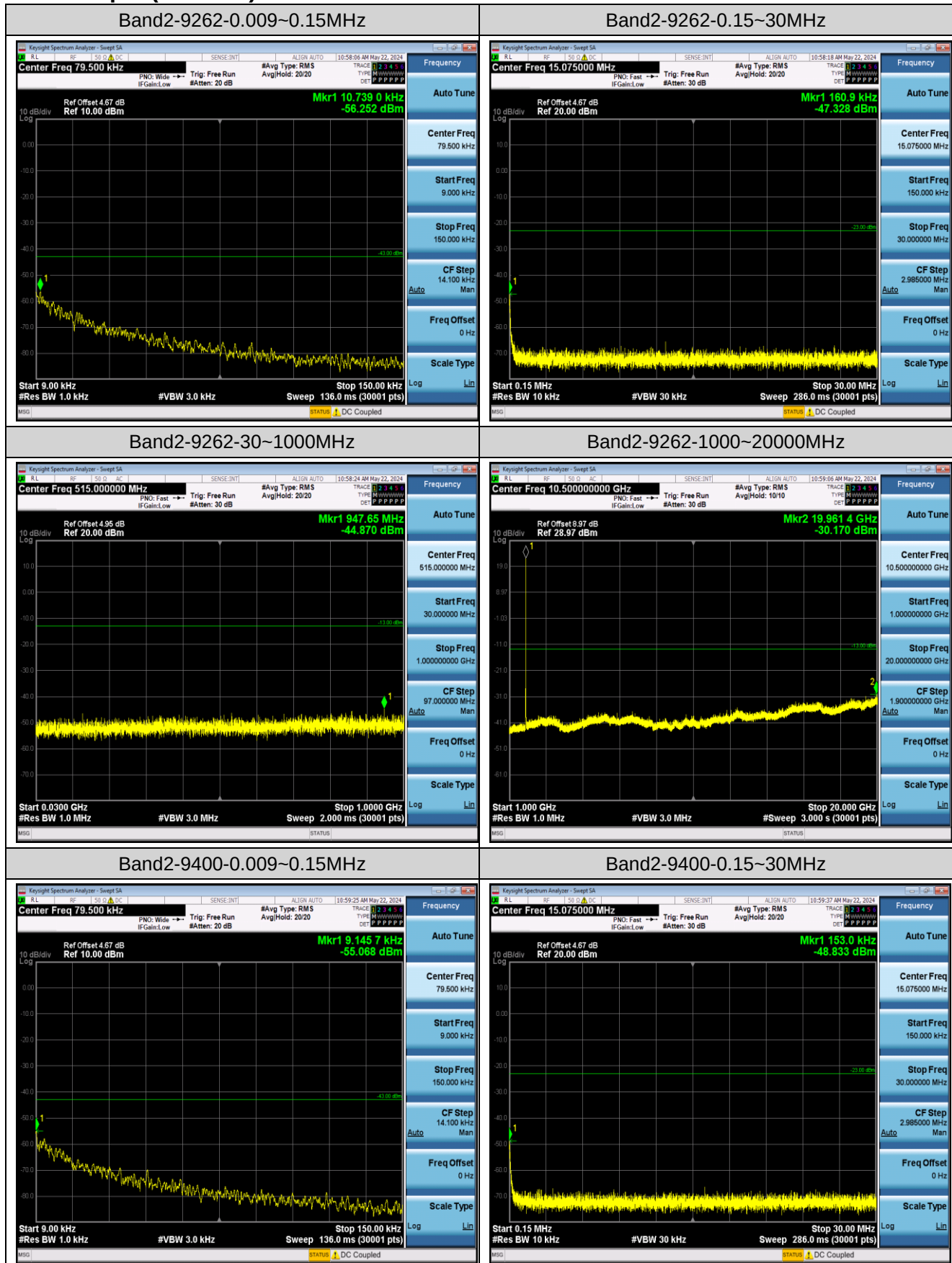


Test Graphs(WCDMA)



Band2-9262-30~1000MHz

Center Freq 515.000000 MHz
Ref Offset 4.95 dB
Ref 20.00 dBm
Mkr1 947.65 MHz
-44.870 dBm

Start 0.0300 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Sweep 2.000 ms (30001 pts)

Frequency

Auto Tune

Center Freq 515.000000 MHz

Start Freq 30.000000 MHz

Stop Freq 1.000000000 GHz

CF Step 97.000000 MHz Man

Freq Offset 0 Hz

Scale Type Log

Band2-9262-1000~20000MHz

Center Freq 10.500000000 GHz
Ref Offset 8.97 dB
Ref 28.97 dBm
Mkr2 19.961 4 GHz
-30.170 dBm

Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
#Sweep 3.000 s (30001 pts)

Frequency

Auto Tune

Center Freq 10.500000000 GHz

Start Freq 1.000000000 GHz

Stop Freq 20.000000000 GHz

CF Step 1.900000000 GHz Man

Freq Offset 0 Hz

Scale Type Log

Band2-9400-0.009~0.15MHz

Center Freq 79.500 kHz
Ref Offset 4.67 dB
Ref 10.00 dBm
Mkr1 9.145 7 kHz
-55.068 dBm

Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz
Sweep 136.0 ms (30001 pts)

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 14.100 kHz Man

Freq Offset 0 Hz

Scale Type Log

Band2-9400-0.15~30MHz

Center Freq 15.075000 MHz
Ref Offset 4.67 dB
Ref 20.00 dBm
Mkr1 153.0 kHz
-48.833 dBm

Start 0.15 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 286.0 ms (30001 pts)

Frequency

Auto Tune

Center Freq 15.075000 MHz

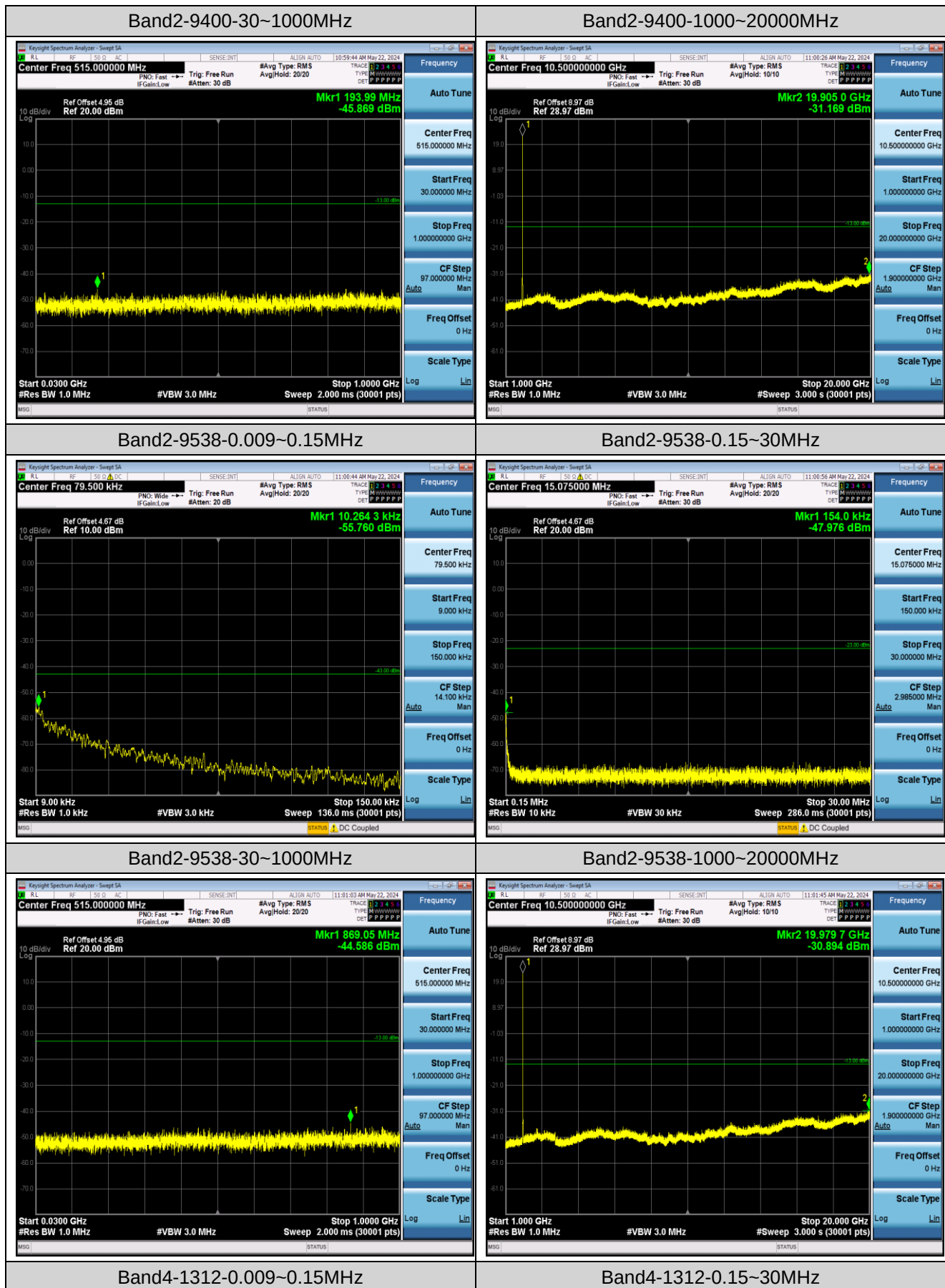
Start Freq 150.000 kHz

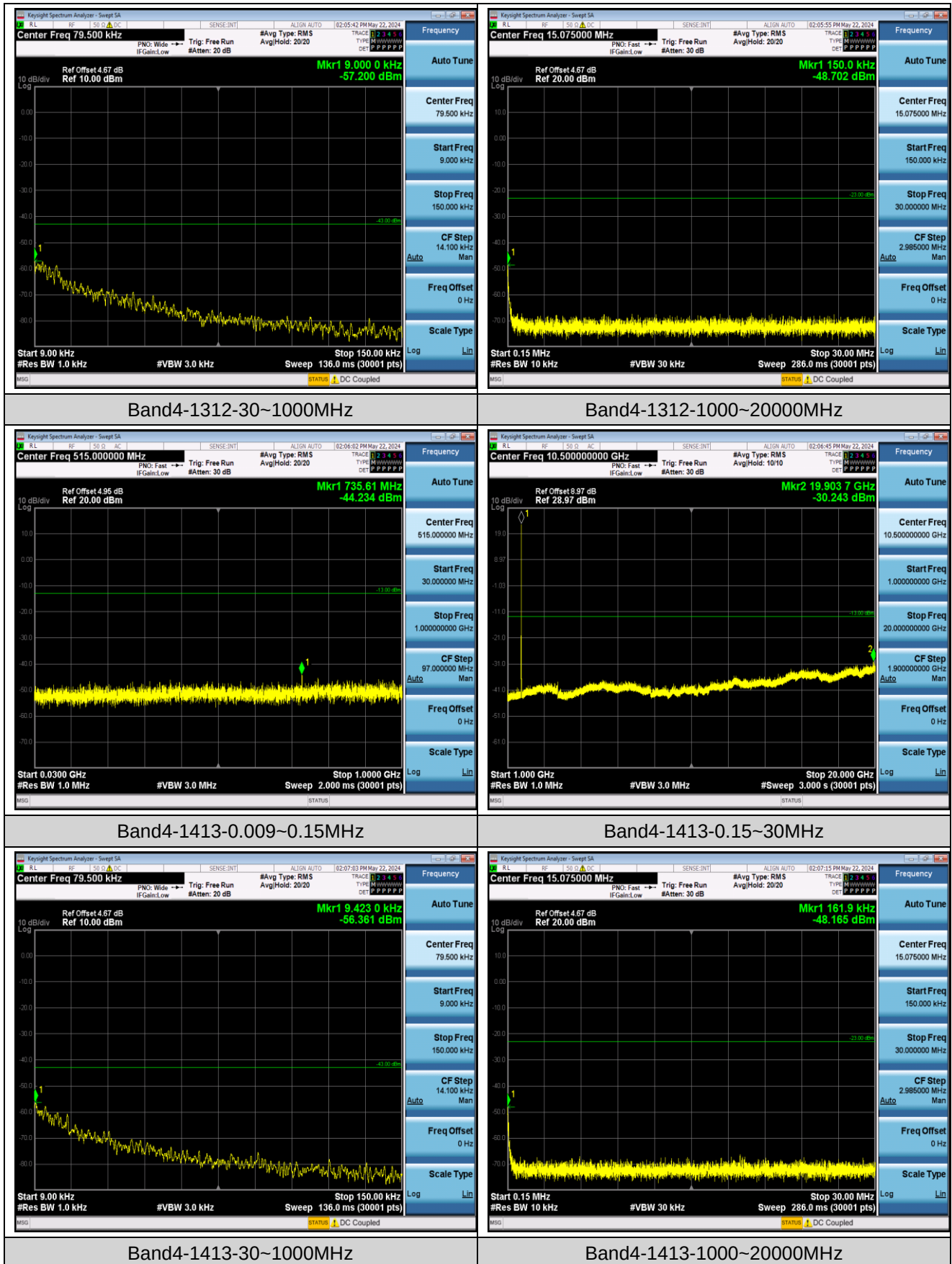
Stop Freq 30.000000 MHz

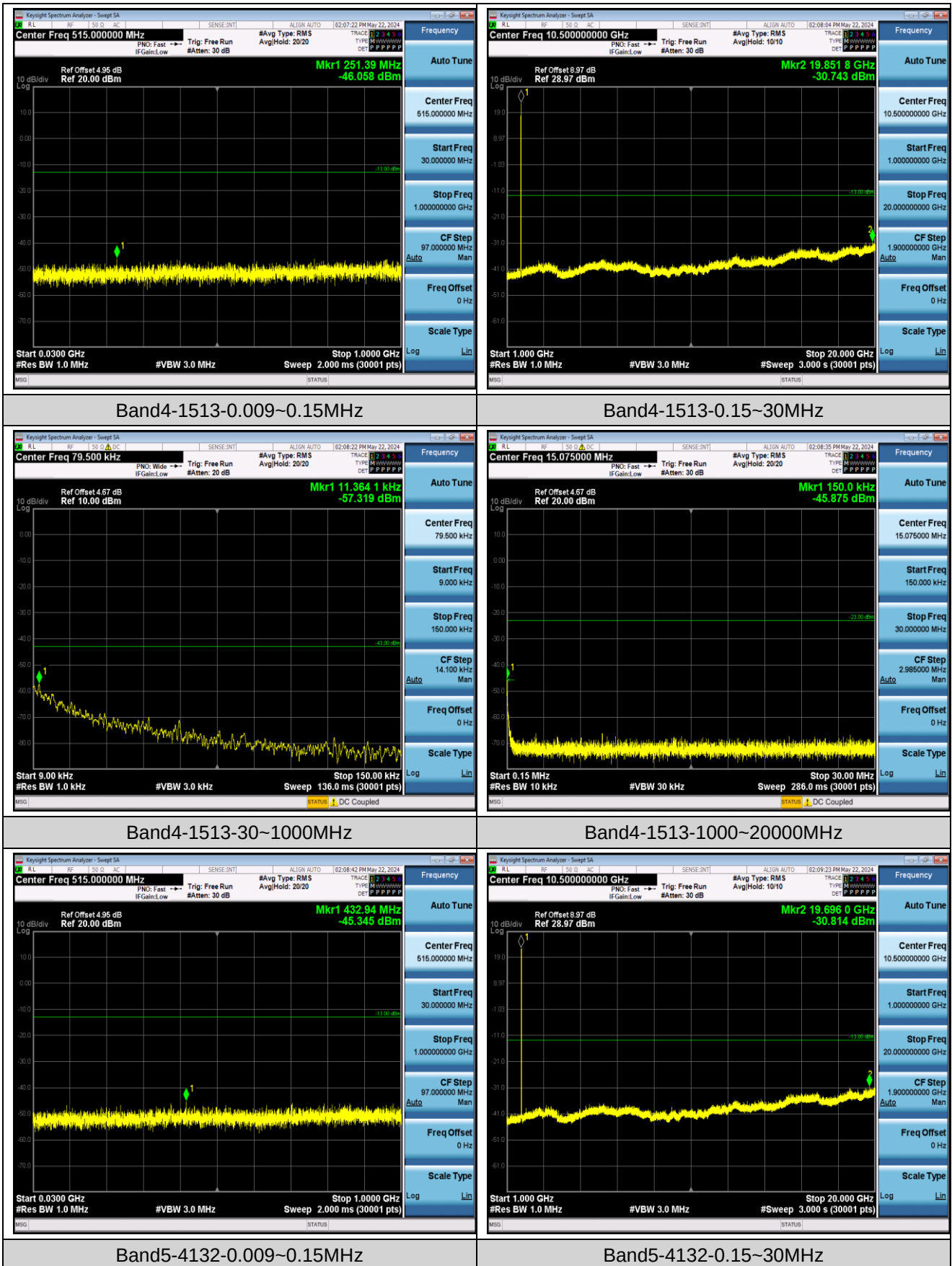
CF Step 2.985000 MHz Man

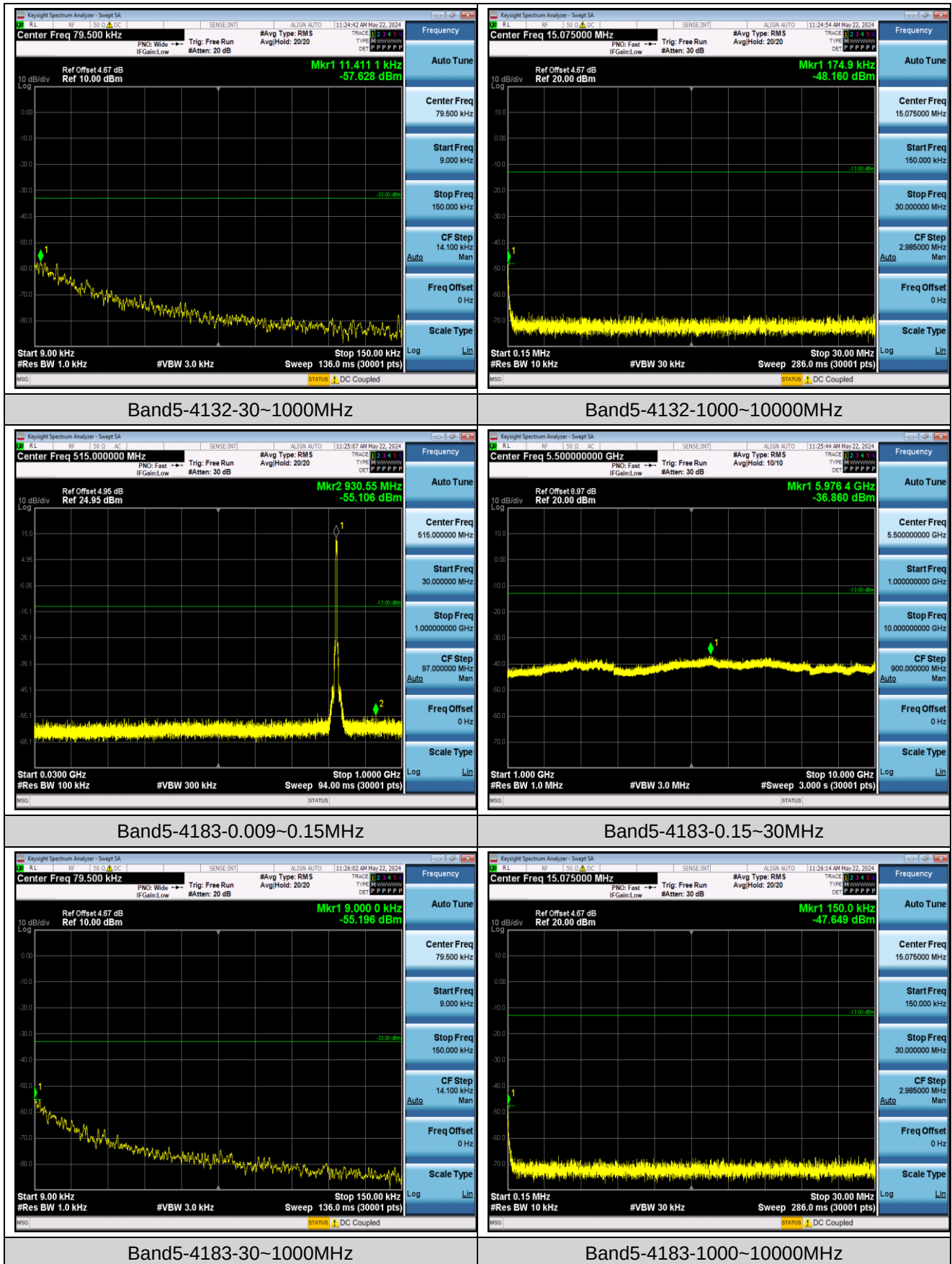
Freq Offset 0 Hz

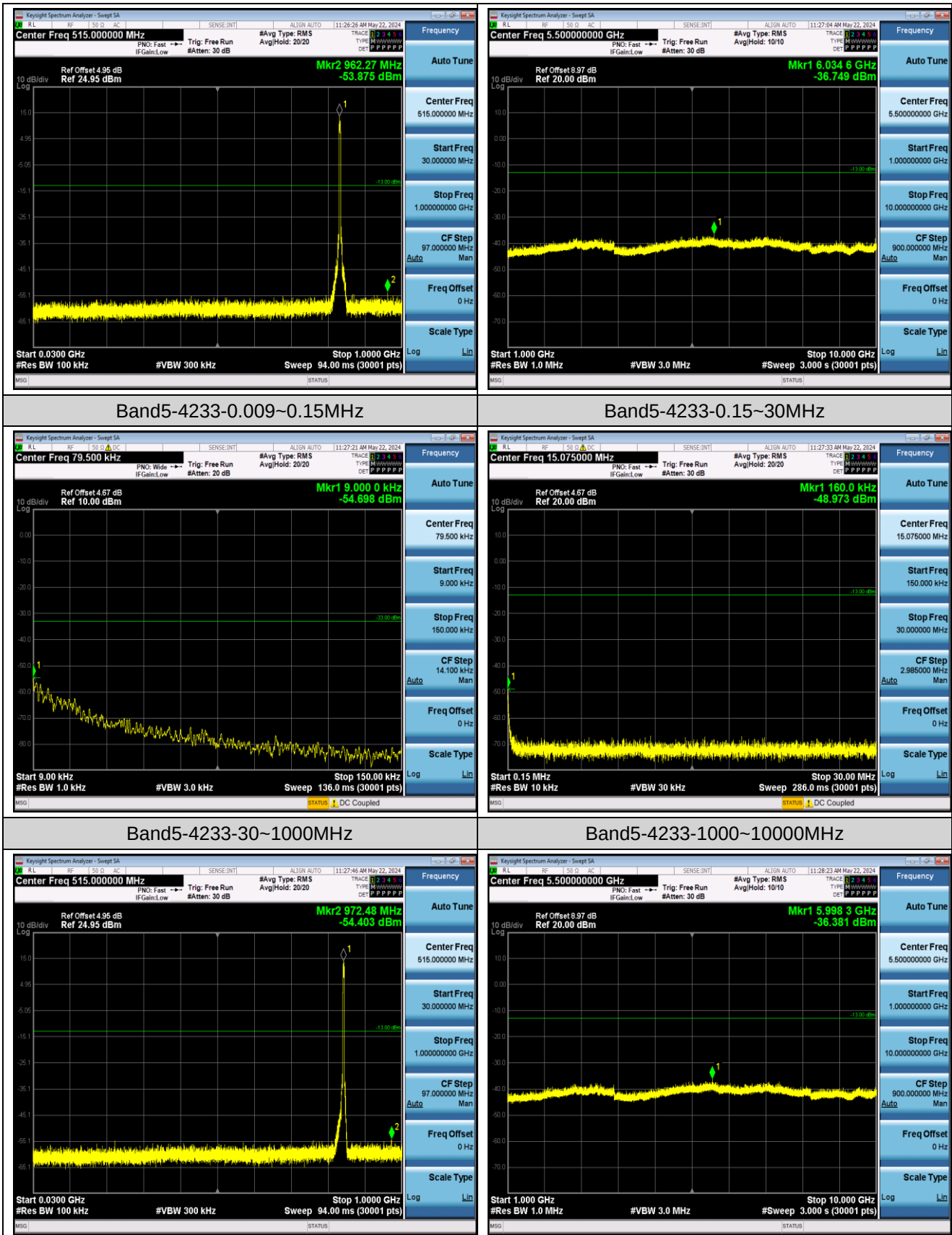
Scale Type Log











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		
3.85	-30	-0.79	-0.000944	±2.5	Pass
	-20	1.01	0.001207		
	-10	1.54	0.001841		
	0	1.14	0.001363		
	10	-0.62	-0.000741		
	20	0.37	0.000442		
	30	0.25	0.000299		
	40	0.46	0.000550		
	50	-0.20	-0.000239		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	0.52	0.000622	±2.5	Pass
	3.85	1.06	0.001267		
	4.40	0.67	0.000801		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-5.66	-0.003267	Within authorized band for BAND IV	Pass
	-20	-8.40	-0.004848		
	-10	-3.15	-0.001818		
	0	4.73	0.002730		
	10	2.08	0.001201		
	20	-0.11	-0.000063		
	30	6.38	0.003682		
	40	-7.72	-0.004456		
	50	-1.83	-0.001056		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-8.91	-0.005143	Within authorized band for BAND IV	Pass
	3.85	0.77	0.000444		
	4.40	-9.61	-0.005547		
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		
3.85	-30	-5.29	-0.002814	Within authorized band for BAND II	Pass
	-20	-1.41	-0.000750		
	-10	-0.94	-0.000500		
	0	13.47	0.007165		
	10	6.81	0.003622		
	20	-1.60	-0.000851		
	30	-3.20	-0.001702		
	40	1.29	0.000686		
	50	-9.77	-0.005197		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-7.92	-0.004213	Within authorized band for BAND II	Pass
	3.85	-8.06	-0.004287		
	4.40	6.04	0.003213		
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
Band4	1413	PASS	PASS
Band5	4183	PASS	PASS

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

Test Graphs

