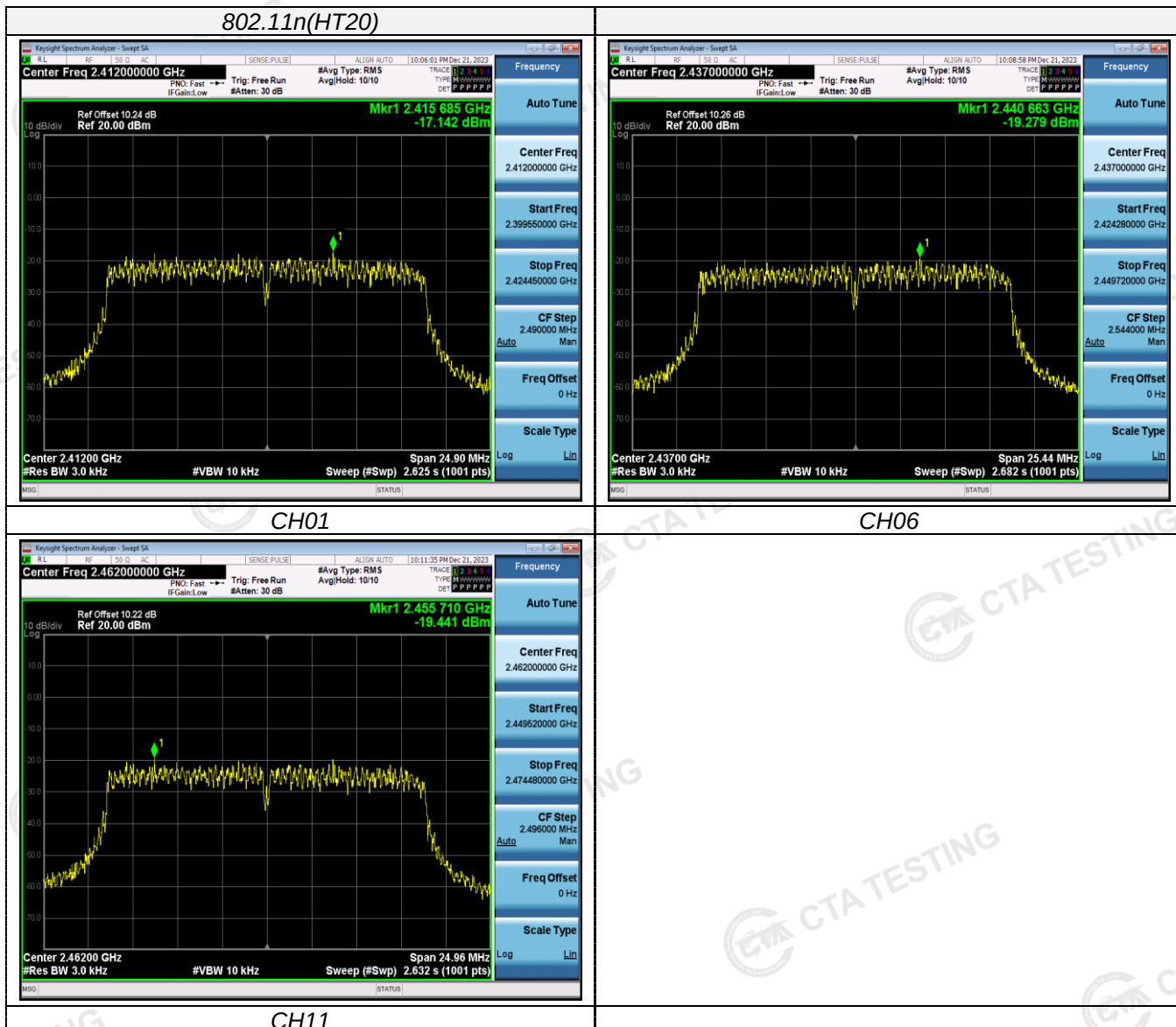


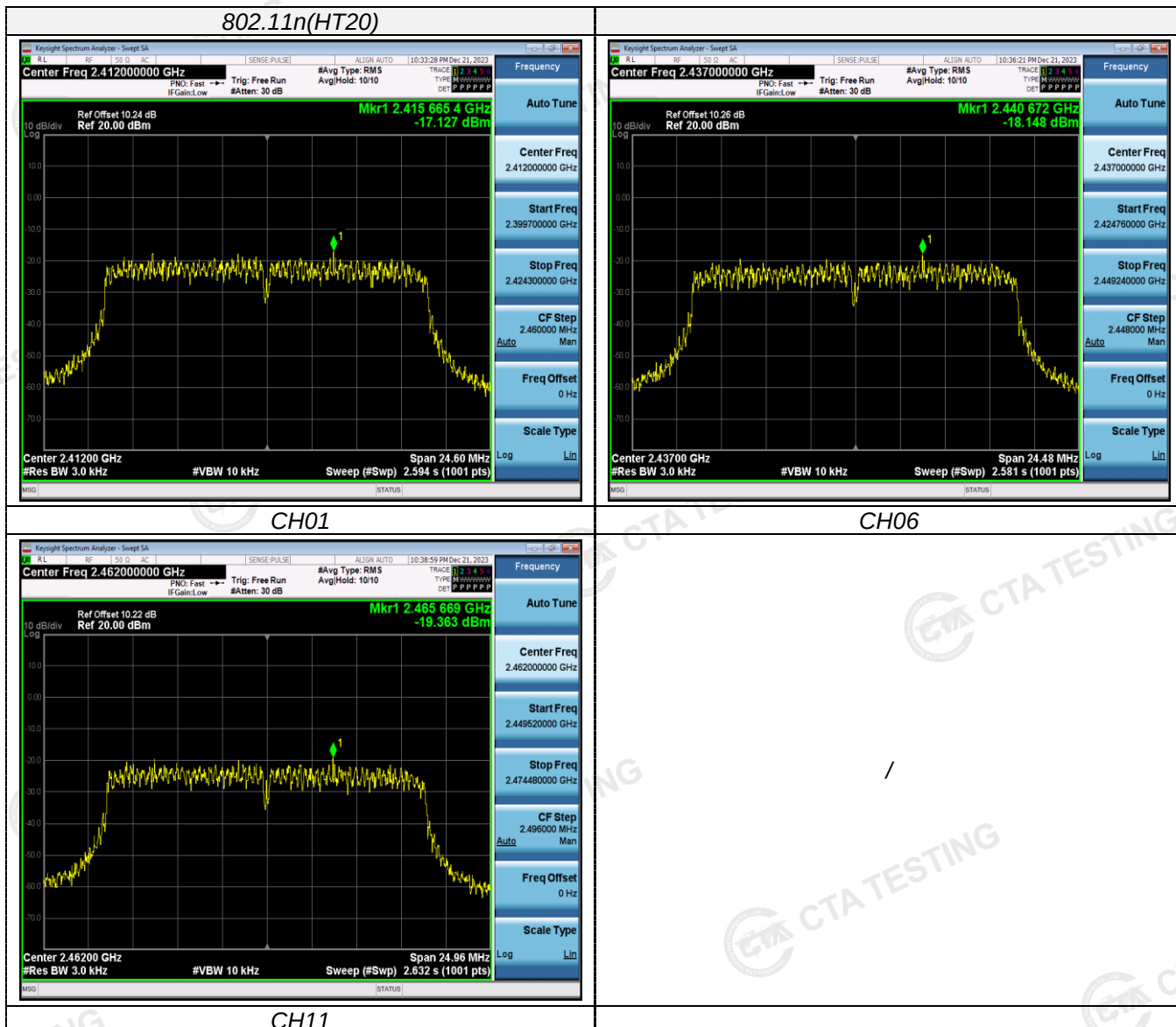
802.11n(HT20)



ANT2



802.11n(HT20)



4.4 6dB Bandwidth

Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

Test Configuration



Test Results

ANT 1

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	01	8.040	≥500	Pass
	06	8.120		
	11	8.040		
802.11g	01	16.320	≥500	Pass
	06	16.320		
	11	16.040		
802.11n(HT20)	01	16.600	≥500	Pass
	06	16.960		
	11	16.640		

ANT 2

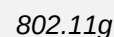
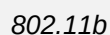
Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	01	7.600	≥500	Pass
	06	8.120		
	11	8.520		
802.11g	01	16.240	≥500	Pass
	06	16.280		
	11	16.040		
802.11n(HT20)	01	16.400	≥500	Pass
	06	16.320		
	11	16.640		

Note:

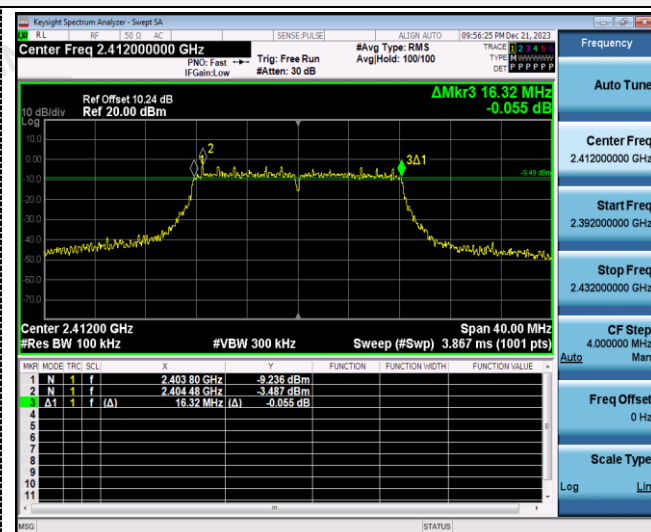
- 1) Measured peak power spectrum density at difference data rate for each mode and recorded worst case for each mode.
- 2) Test results including cable loss;
- 3) Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20;

Please refer to following plots;

ANT 1



CH01



CH01



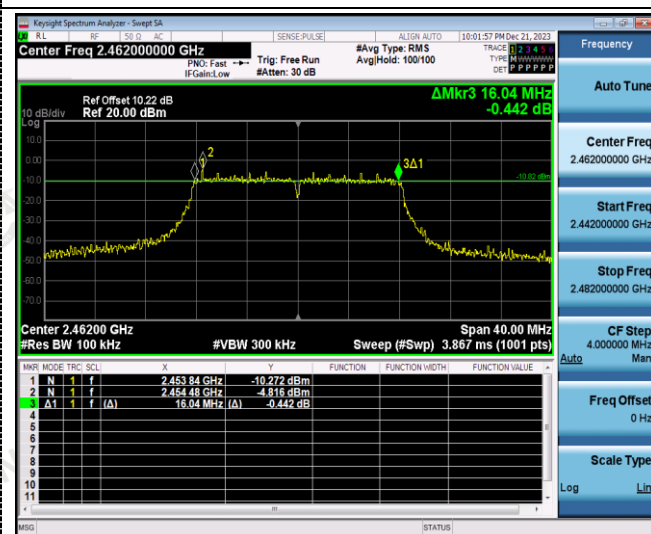
CH06



CH06



CH11



CH11

