

Appendix A: Test result of conducted Test

Conducted Average Output Power

Result Table

Mode	Channel	Meas.Level [dBm]	Av.Power [dBm]	Verdict
11B	LCH	15.42	15.42	PASS
11B	MCH	15.56	15.56	PASS
11B	HCH	15.67	15.67	PASS
11G	LCH	14.77	14.77	PASS
11G	MCH	15.16	15.16	PASS
11G	HCH	14.69	14.69	PASS
11N20SISO	LCH	14.73	14.73	PASS
11N20SISO	MCH	15.10	15.10	PASS
11N20SISO	HCH	14.62	14.62	PASS
11N40SISO	LCH	13.75	13.75	PASS
11N40SISO	MCH	13.83	13.83	PASS
11N40SISO	HCH	13.69	13.69	PASS

Test Graph



11B/HCH

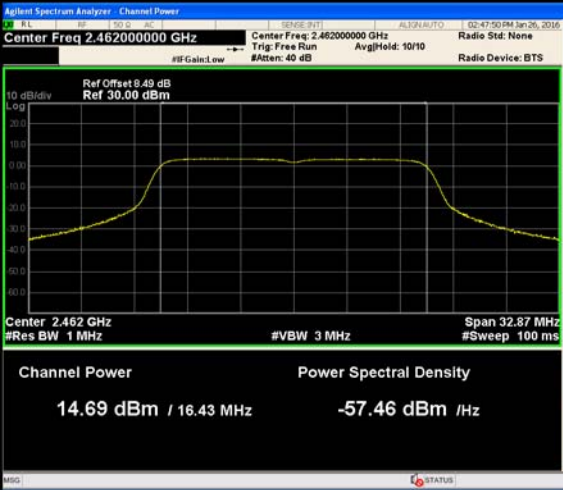
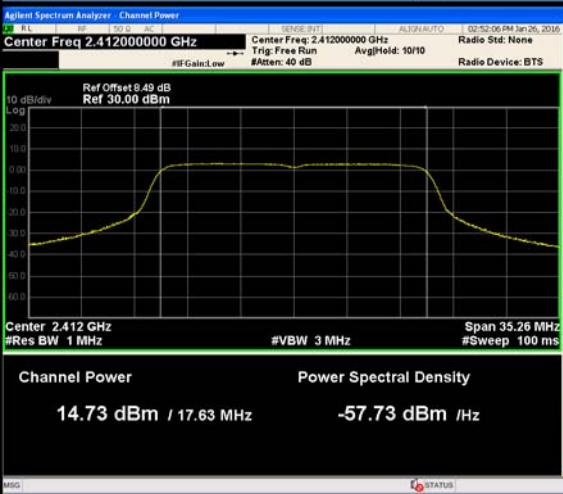


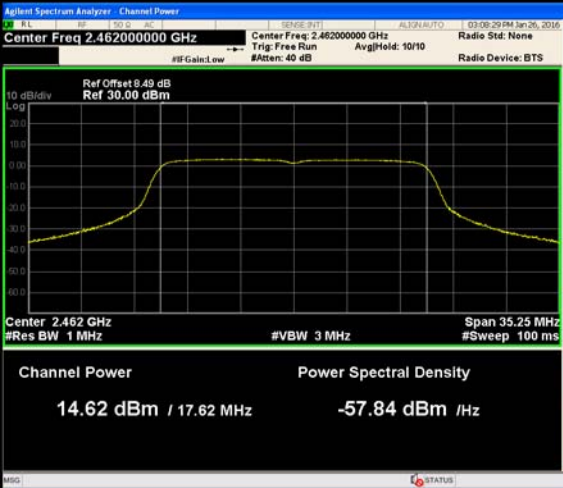
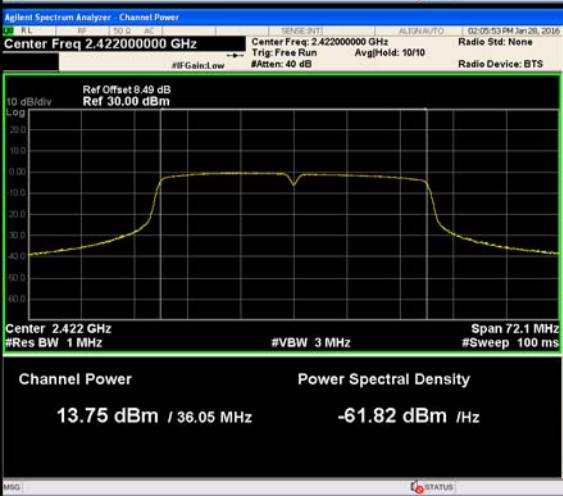
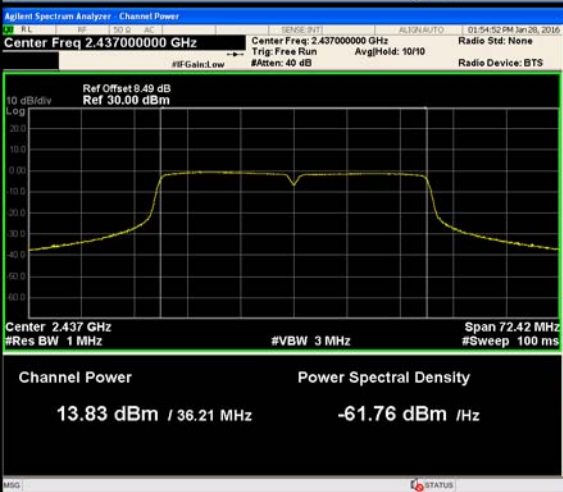
11G/LCH



11G/MCH



11G/HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq 2.462000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 32.87 MHz #Sweep 100 ms Channel Power 14.69 dBm / 16.43 MHz Power Spectral Density -57.46 dBm / Hz Frequency Center Freq 2.462000000 GHz CF Step 3.286800 MHz Freq Offset 0 Hz
11N20SISO/LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq 2.412000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 35.26 MHz #Sweep 100 ms Channel Power 14.73 dBm / 17.63 MHz Power Spectral Density -57.73 dBm / Hz Frequency Center Freq 2.412000000 GHz CF Step 3.526000 MHz Freq Offset 0 Hz
11N20SISO/MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq 2.437000000 GHz Ref Offset 8.49 dB Ref 20.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 35.27 MHz #Sweep 100 ms Channel Power 15.10 dBm / 17.64 MHz Power Spectral Density -57.37 dBm / Hz Frequency Center Freq 2.437000000 GHz CF Step 3.527000 MHz Freq Offset 0 Hz

11N20SISO/HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq 2.462000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 35.25 MHz #Sweep 100 ms Channel Power 14.62 dBm / 17.62 MHz Power Spectral Density -57.84 dBm / Hz Frequency Center Freq 2.462000000 GHz CF Step 3.524600 MHz Freq Offset 0 Hz
11N40SISO/LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq 2.422000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 72.1 MHz #Sweep 100 ms Channel Power 13.75 dBm / 36.05 MHz Power Spectral Density -61.82 dBm / Hz Frequency Center Freq 2.422000000 GHz CF Step 7.209800 MHz Freq Offset 0 Hz
11N40SISO/MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq 2.437000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 72.42 MHz #Sweep 100 ms Channel Power 13.83 dBm / 36.21 MHz Power Spectral Density -61.76 dBm / Hz Frequency Center Freq 2.437000000 GHz CF Step 7.242400 MHz Freq Offset 0 Hz

11N40SISO/HCH

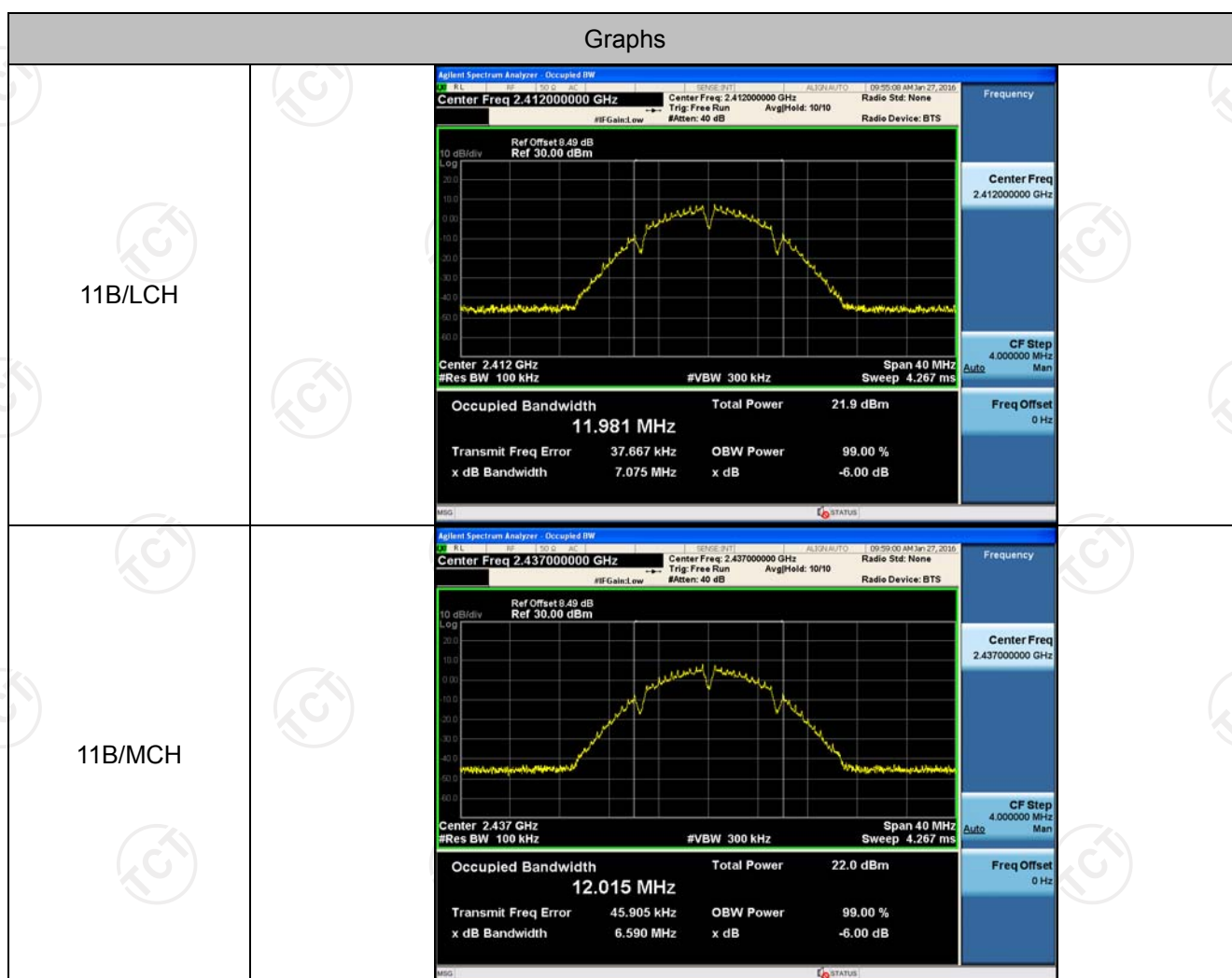


6dB Occupied Bandwidth

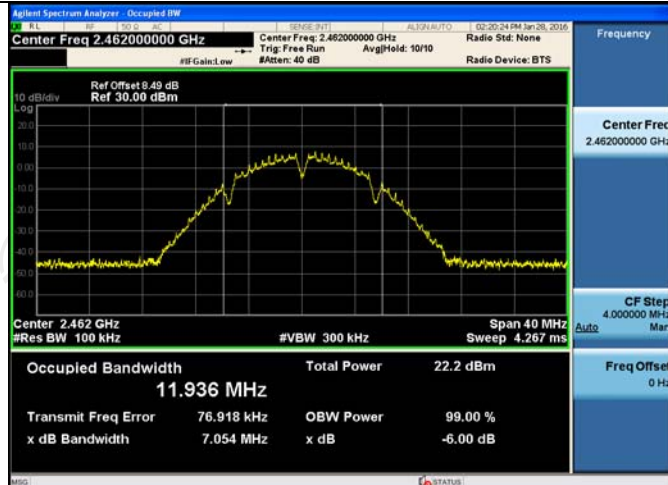
Result Table

Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	7.075	11.981	PASS
11B	MCH	6.590	12.015	PASS
11B	HCH	7.054	11.936	PASS
11G	LCH	16.52	16.444	PASS
11G	MCH	16.52	16.453	PASS
11G	HCH	16.35	16.434	PASS
11N20SISO	LCH	17.54	17.630	PASS
11N20SISO	MCH	17.70	17.635	PASS
11N20SISO	HCH	17.58	17.623	PASS
11N40SISO	LCH	33.39	36.049	PASS
11N40SISO	MCH	36.33	36.212	PASS
11N40SISO	HCH	36.34	36.099	PASS

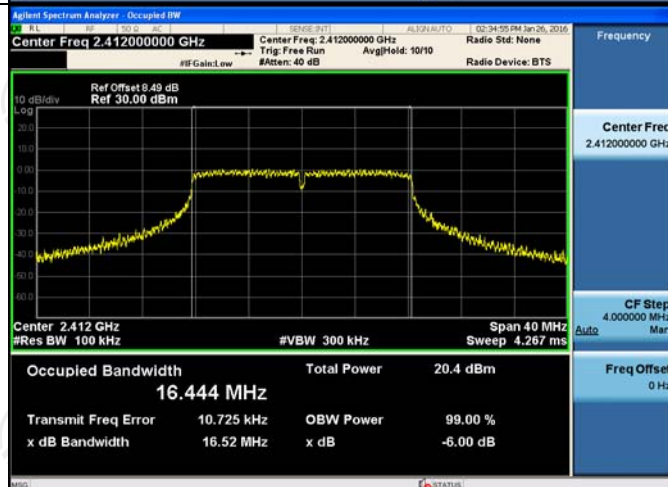
Test Graph



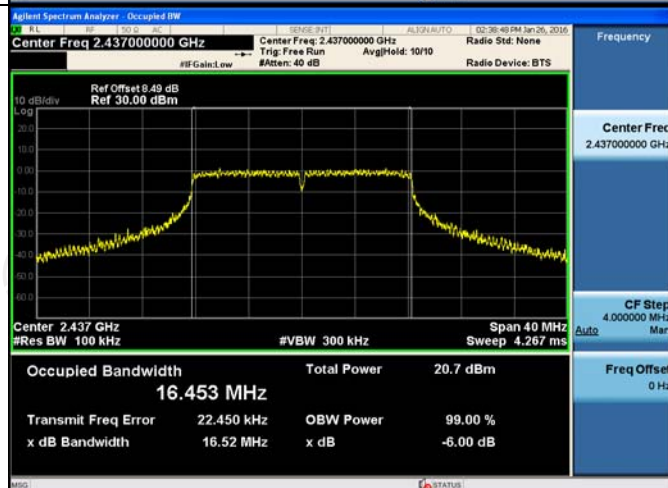
11B/HCH

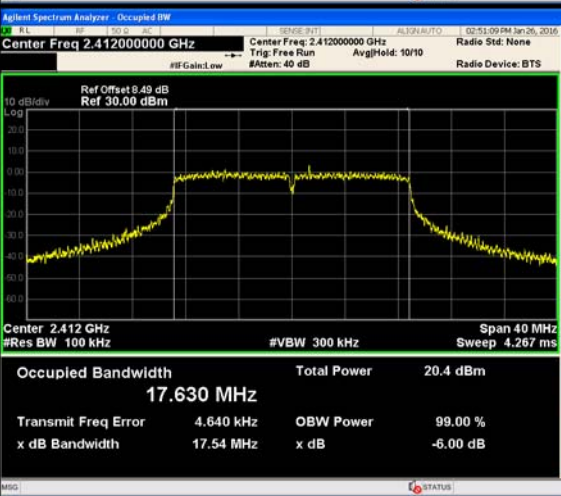
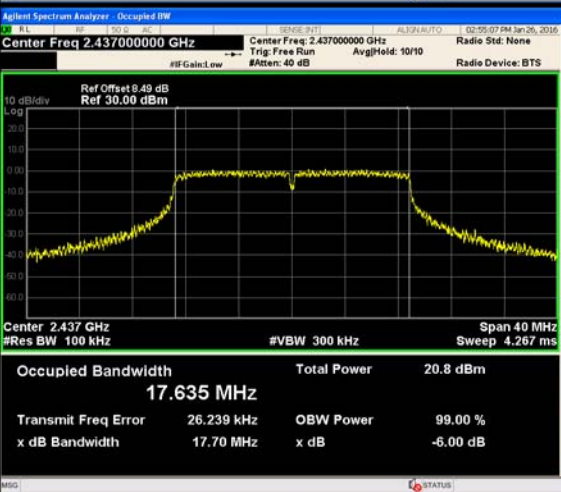


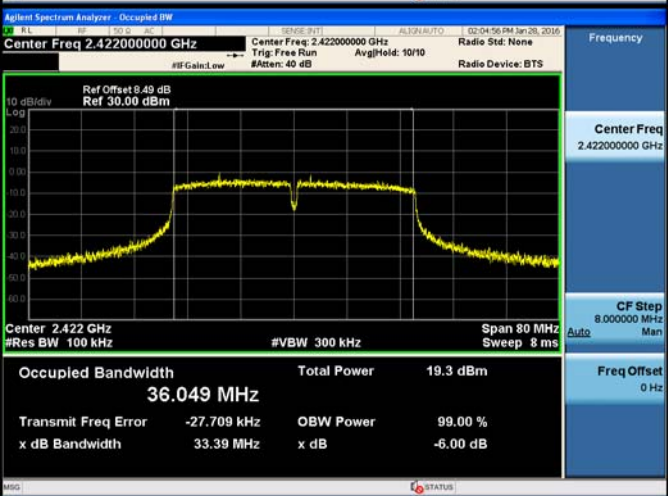
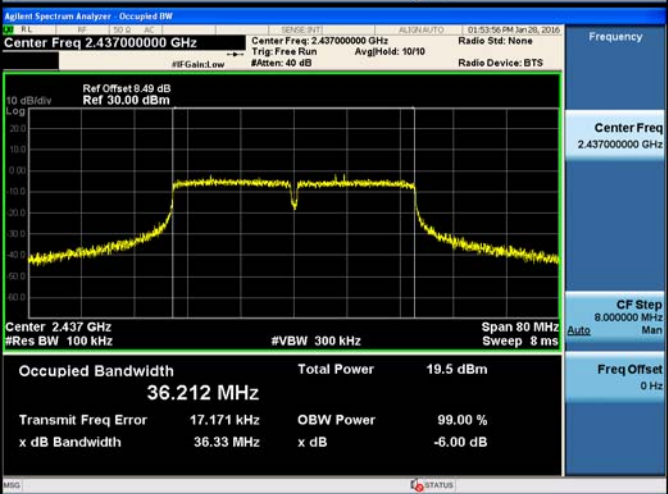
11G/LCH



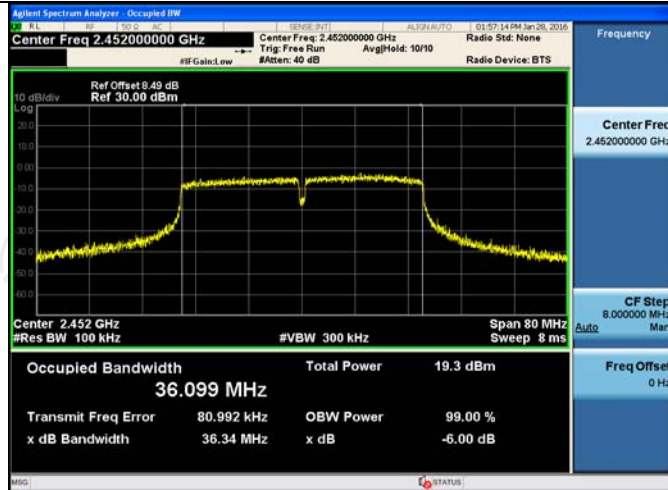
11G/MCH



11G/HCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.462 GHz #Res BW 100 kHz Span 40 MHz Sweep 4.267 ms #VBW 300 kHz Occupied Bandwidth 16.434 MHz Total Power 20.3 dBm Transmit Freq Error 17.449 kHz OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB	Frequency Center Freq 2.462000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz
11N20SISO/LCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.412 GHz #Res BW 100 kHz Span 40 MHz Sweep 4.267 ms #VBW 300 kHz Occupied Bandwidth 17.630 MHz Total Power 20.4 dBm Transmit Freq Error 4.640 kHz OBW Power 99.00 % x dB Bandwidth 17.54 MHz x dB -6.00 dB	Frequency Center Freq 2.412000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz
11N20SISO/MCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 8.49 dB Ref 30.00 dBm Center 2.437 GHz #Res BW 100 kHz Span 40 MHz Sweep 4.267 ms #VBW 300 kHz Occupied Bandwidth 17.635 MHz Total Power 20.8 dBm Transmit Freq Error 26.239 kHz OBW Power 99.00 % x dB Bandwidth 17.70 MHz x dB -6.00 dB	Frequency Center Freq 2.437000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz

11N20SISO/HCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref Offset: 8.49 dB Ref: 30.00 dBm Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms Occupied Bandwidth 17.623 MHz Total Power 20.3 dBm Transmit Freq Error 4.241 kHz OBW Power 99.00 % x dB Bandwidth 17.58 MHz x dB -6.00 dB Frequency Center Freq 2.462000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
11N40SISO/LCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.422000000 GHz Center Freq: 2.422000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref Offset: 8.49 dB Ref: 30.00 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms Occupied Bandwidth 36.049 MHz Total Power 19.3 dBm Transmit Freq Error -27.709 kHz OBW Power 99.00 % x dB Bandwidth 33.39 MHz x dB -6.00 dB Frequency Center Freq 2.422000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz
11N40SISO/MCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref Offset: 8.49 dB Ref: 30.00 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms Occupied Bandwidth 36.212 MHz Total Power 19.5 dBm Transmit Freq Error 17.171 kHz OBW Power 99.00 % x dB Bandwidth 36.33 MHz x dB -6.00 dB Frequency Center Freq 2.437000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz

11N40SISO/HCH

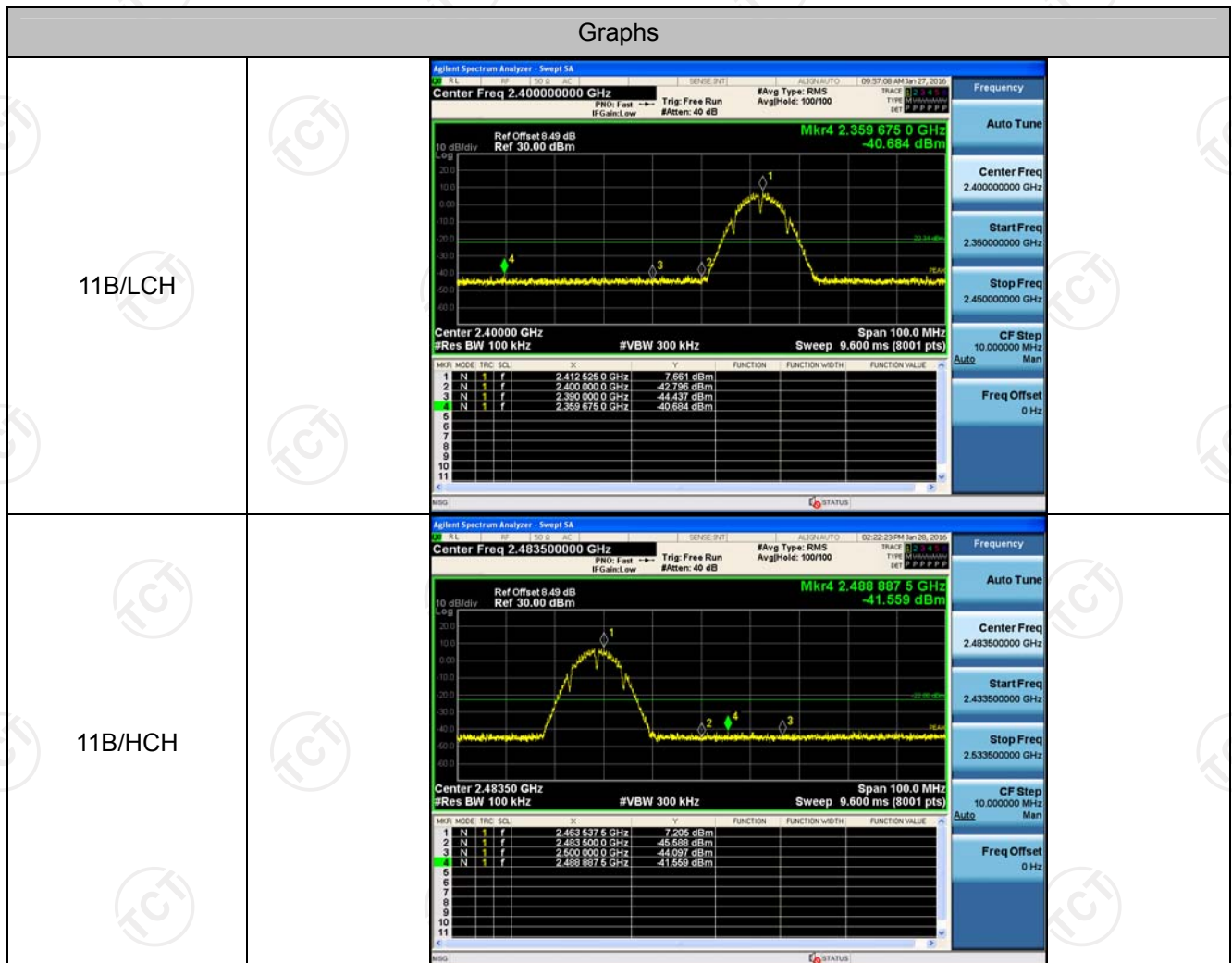


Band-edge for RF Conducted Emissions

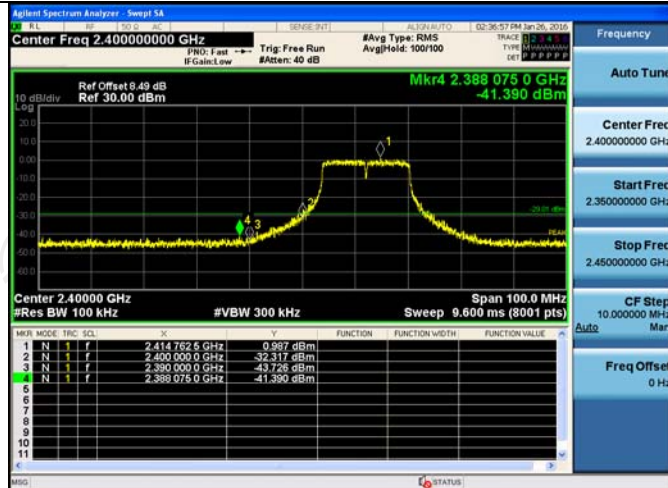
Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	7.661	-40.684	-22.34	PASS
11B	HCH	7.205	-41.559	-22.8	PASS
11G	LCH	0.987	-41.390	-29.01	PASS
11G	HCH	2.780	-40.744	-27.22	PASS
11N20SISO	LCH	0.599	-40.705	-29.4	PASS
11N20SISO	HCH	3.115	-41.073	-26.89	PASS
11N40SISO	LCH	0.305	-37.212	-29.7	PASS
11N40SISO	HCH	-2.586	-36.628	-32.59	PASS

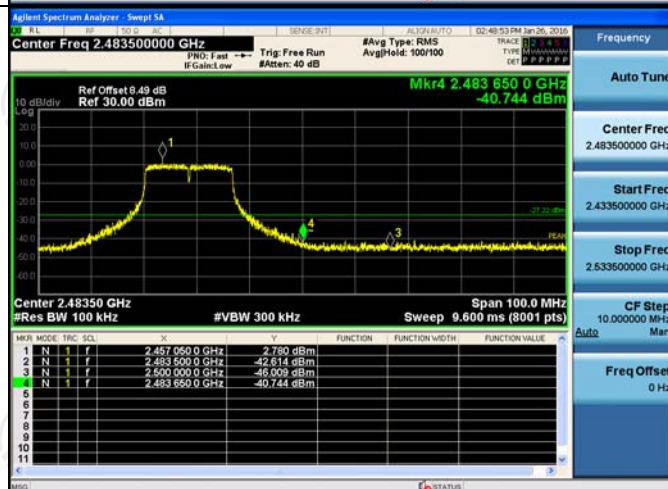
Test Graph



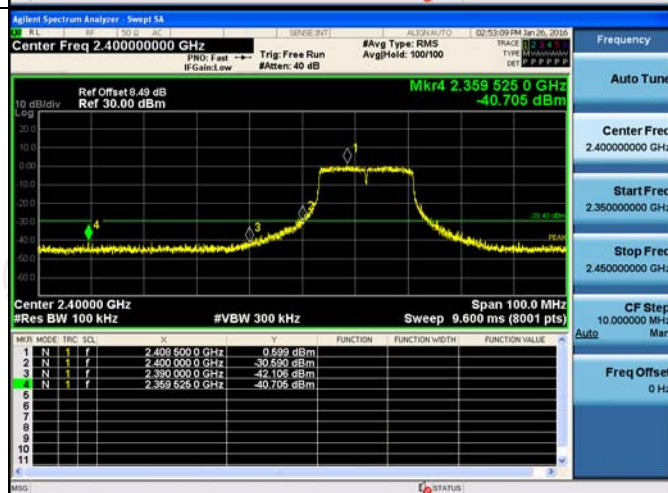
11G/LCH

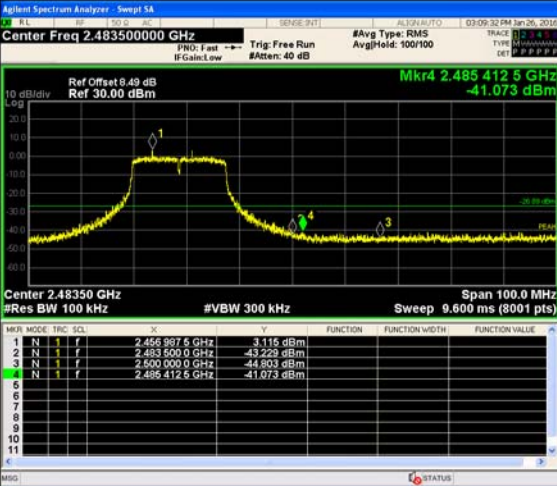


11G/HCH



11N20SISO/LCH



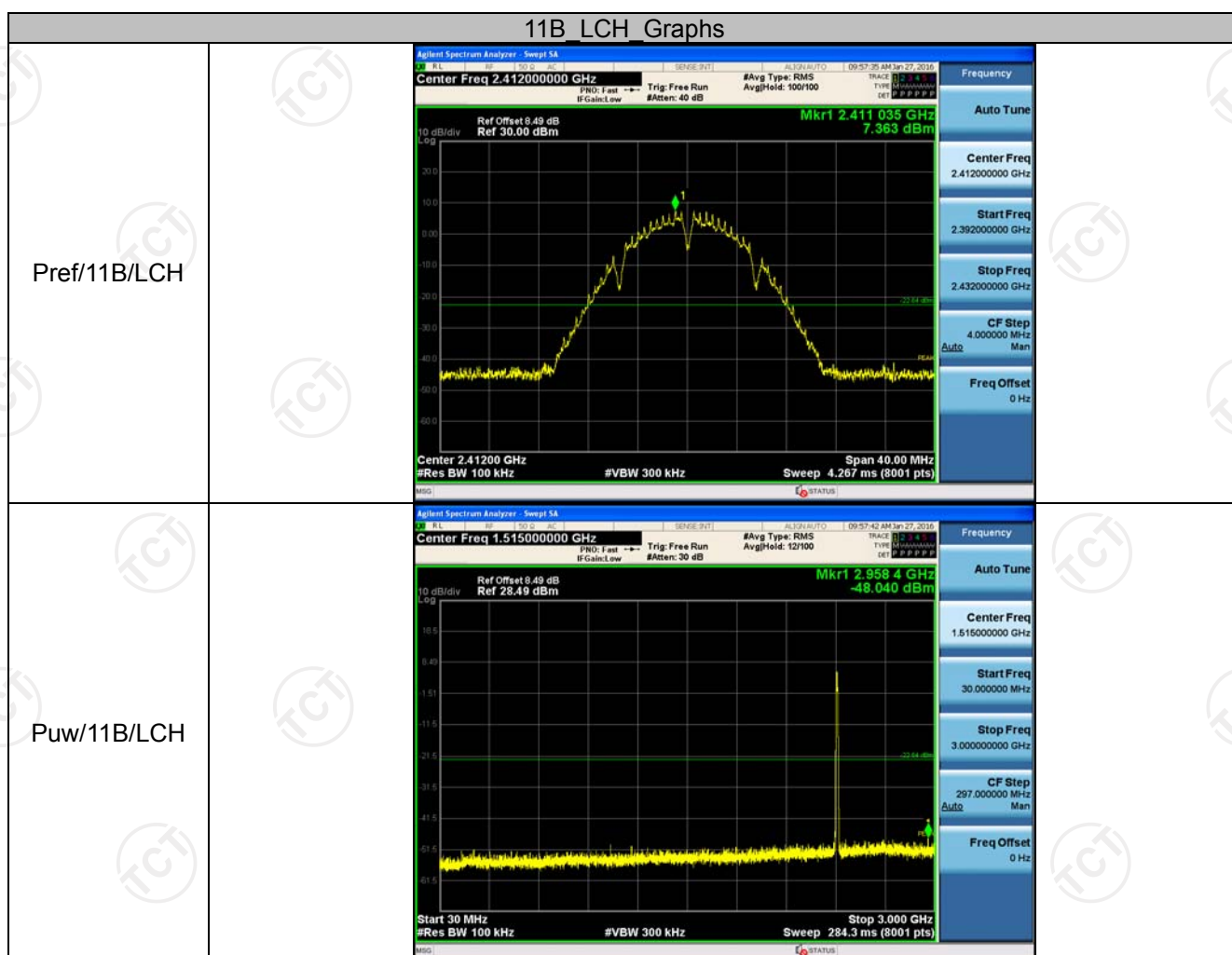
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11N40SISO/LCH		Frequency Auto Tune Center Freq 2.400000000 GHz Start Freq 2.350000000 GHz Stop Freq 2.450000000 GHz CF Step 10.000000 MHz Man Freq Offset 0 Hz
11N40SISO/HCH		Frequency Auto Tune Center Freq 2.483500000 GHz Start Freq 2.433500000 GHz Stop Freq 2.533500000 GHz CF Step 10.000000 MHz Man Freq Offset 0 Hz

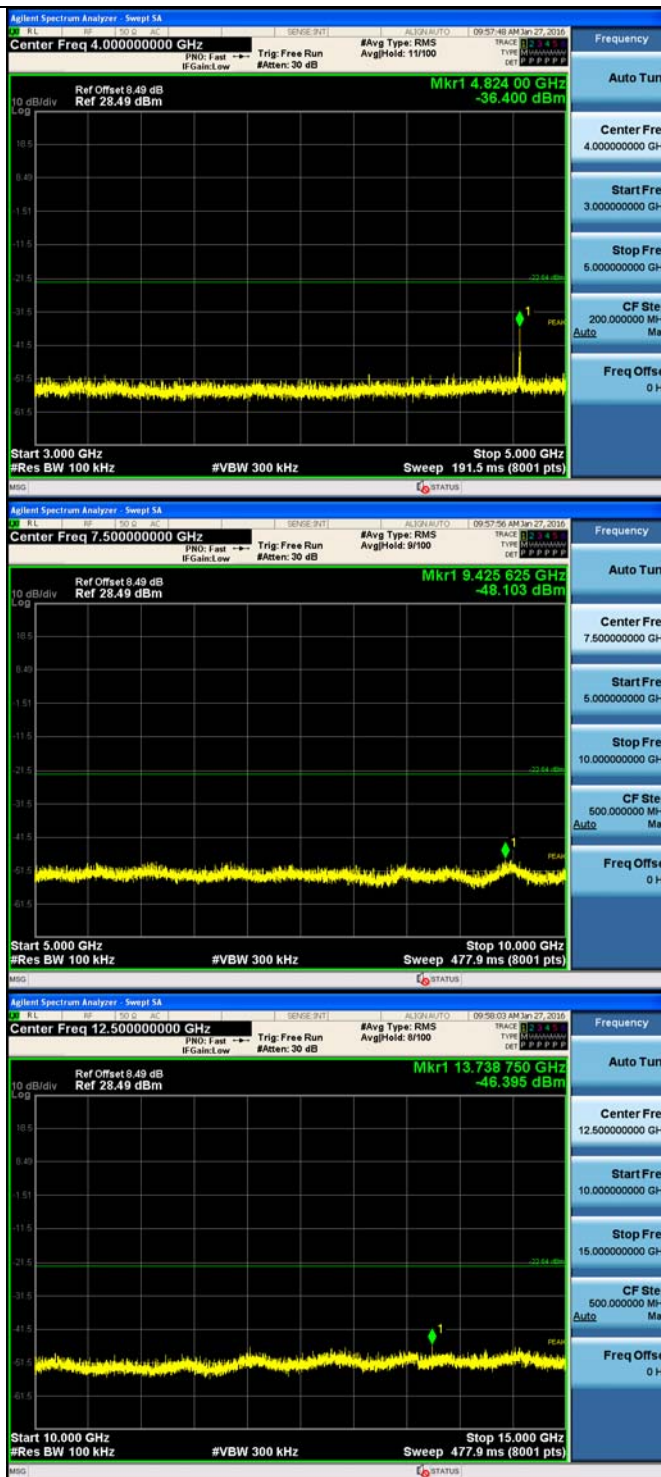
RF Conducted Spurious Emissions

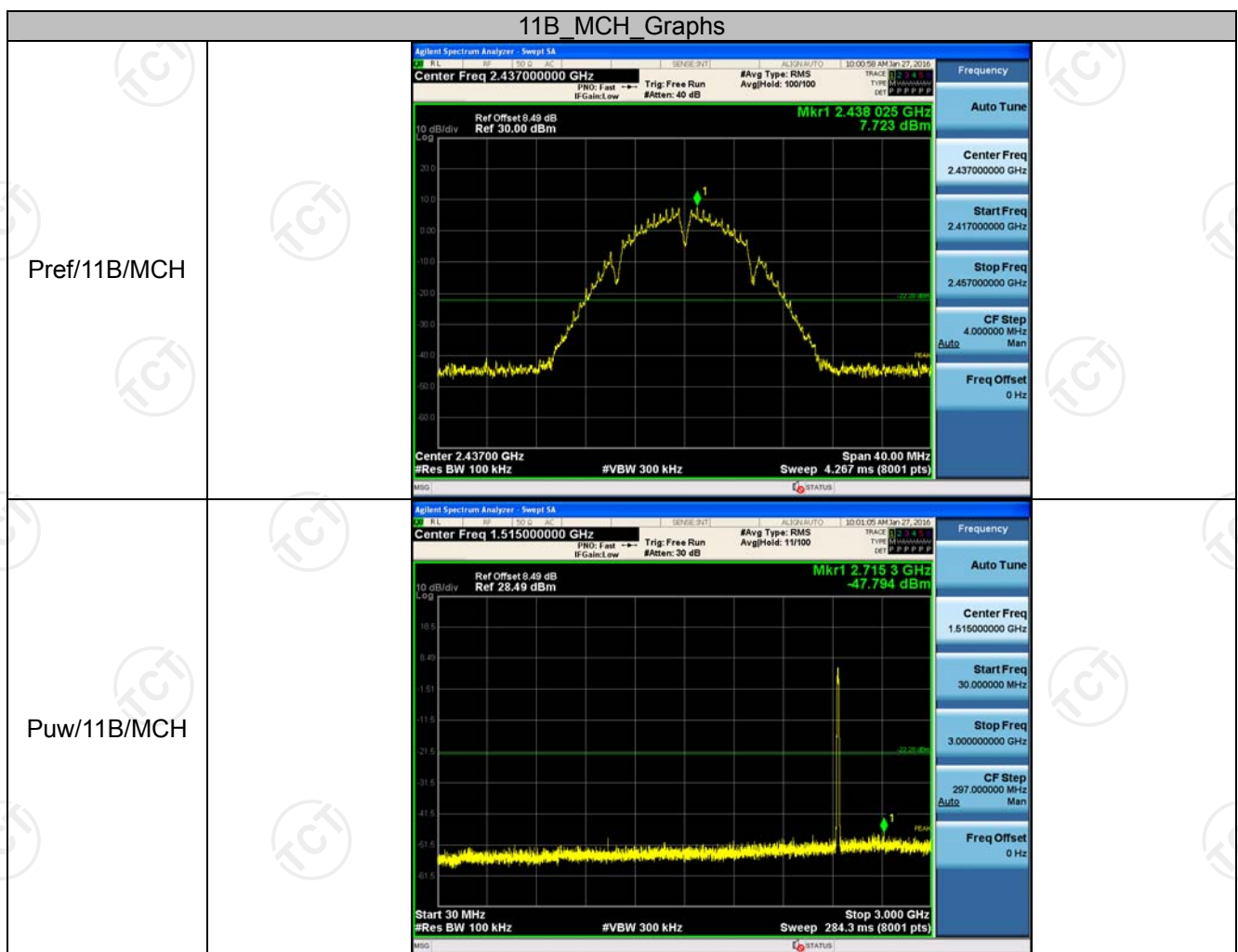
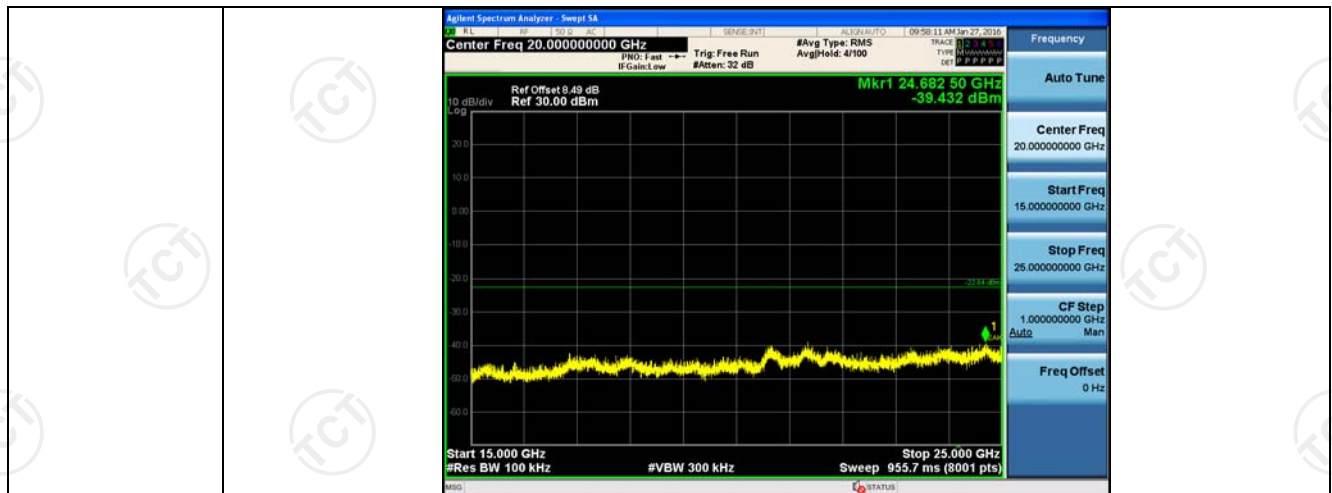
Result Table

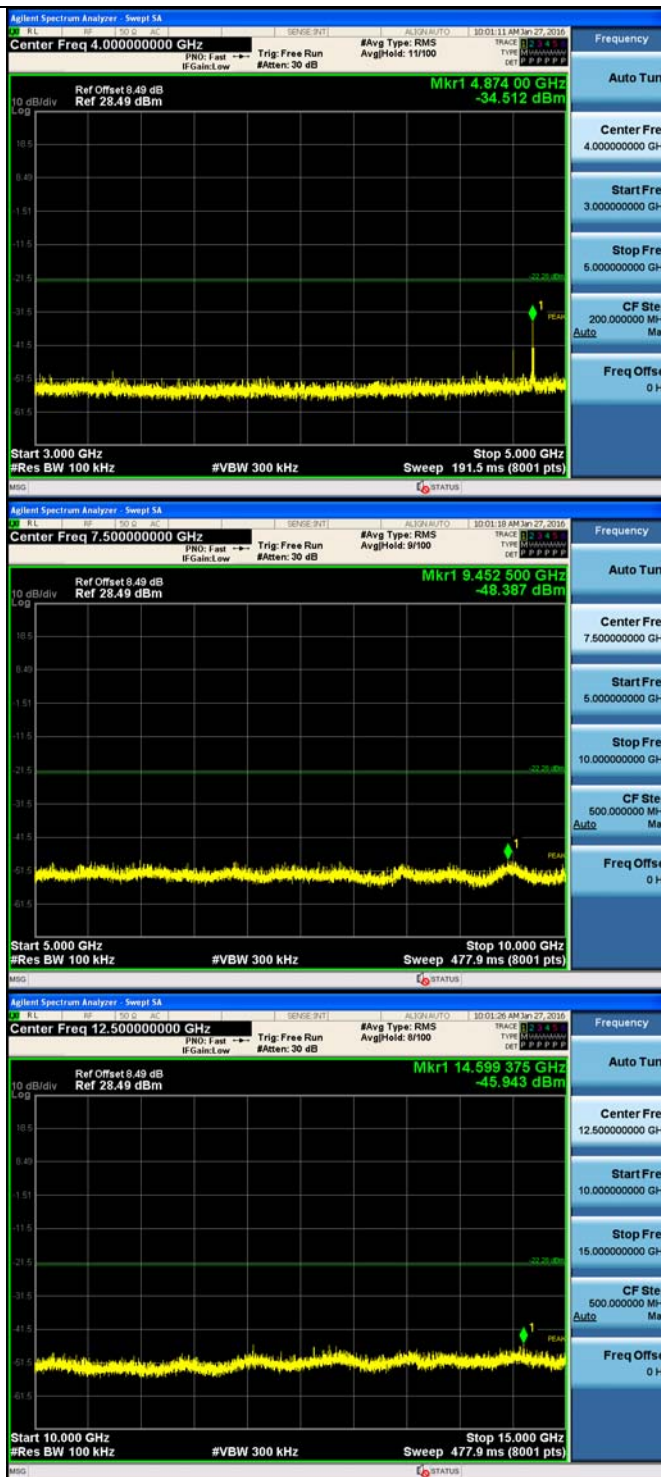
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	7.363	<Limit	PASS
11B	MCH	7.723	<Limit	PASS
11B	HCH	7.619	<Limit	PASS
11G	LCH	3.556	<Limit	PASS
11G	MCH	1.061	<Limit	PASS
11G	HCH	1.017	<Limit	PASS
11N20SISO	LCH	1.621	<Limit	PASS
11N20SISO	MCH	3.236	<Limit	PASS
11N20SISO	HCH	0.6	<Limit	PASS
11N40SISO	LCH	-0.306	<Limit	PASS
11N40SISO	MCH	-2.231	<Limit	PASS
11N40SISO	HCH	-2.967	<Limit	PASS

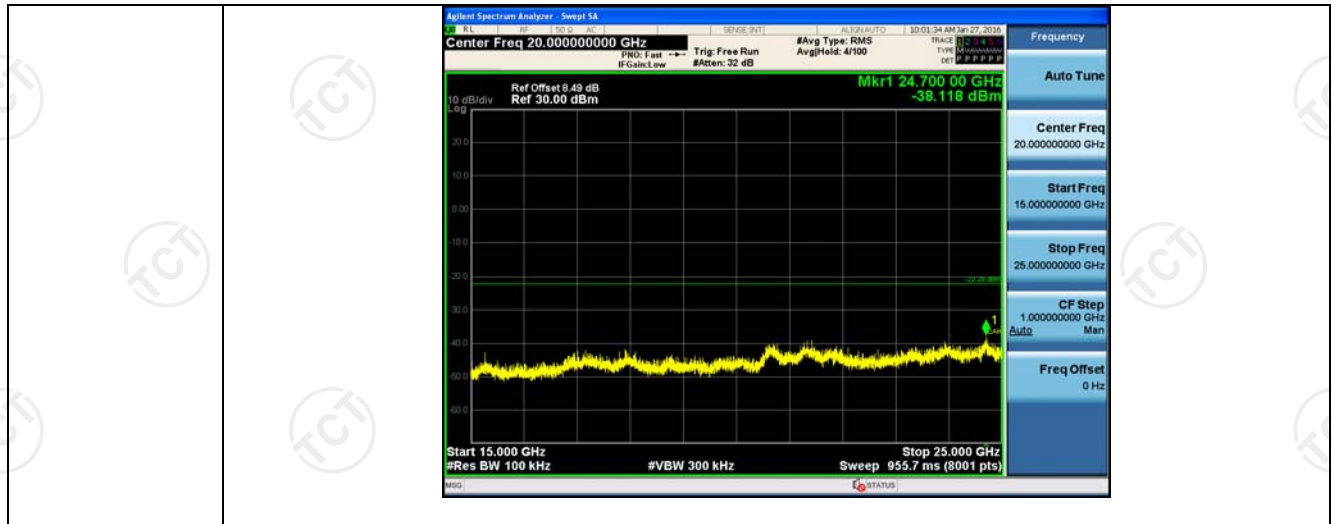
Test Graph











11B_HCH_Graphs

