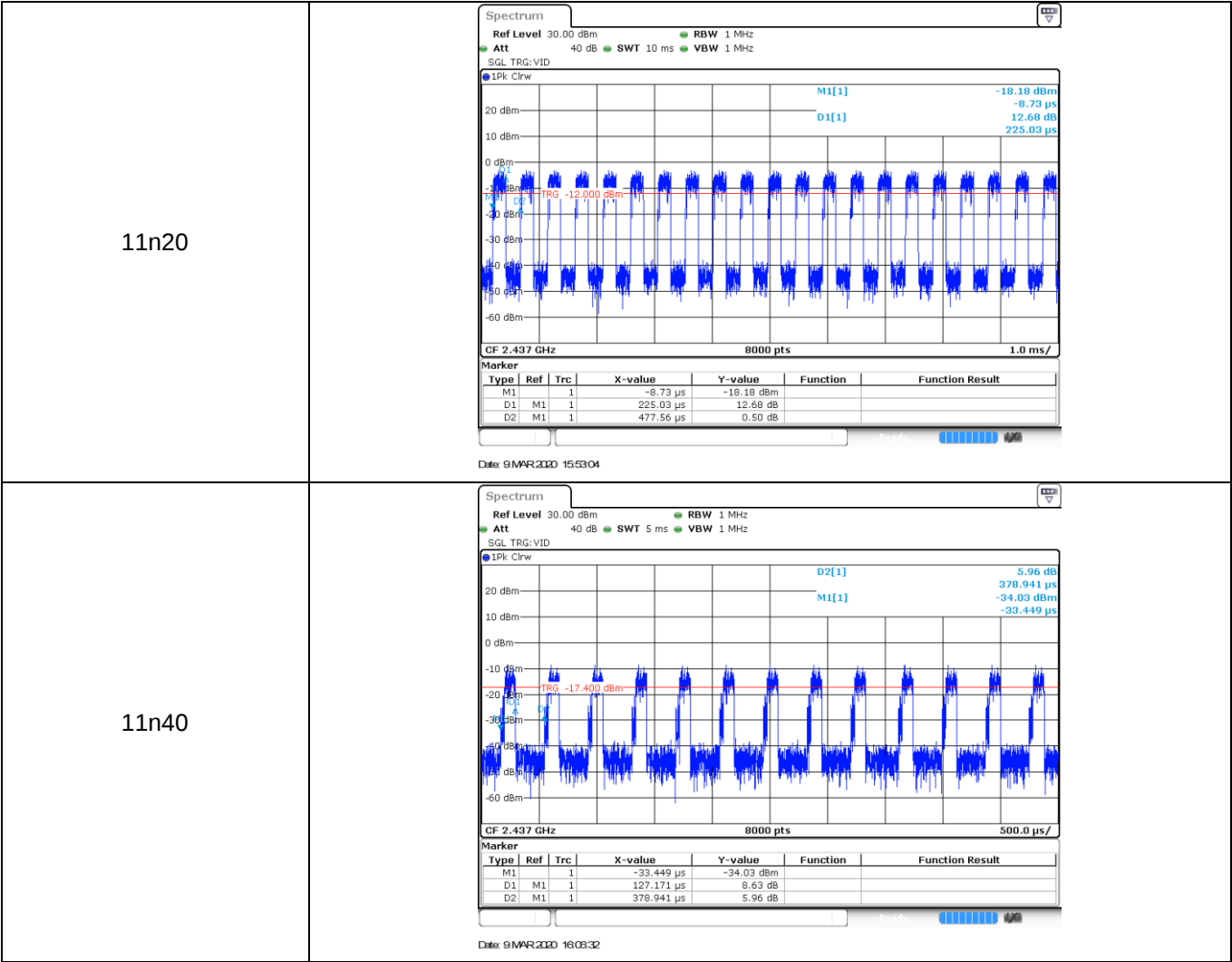
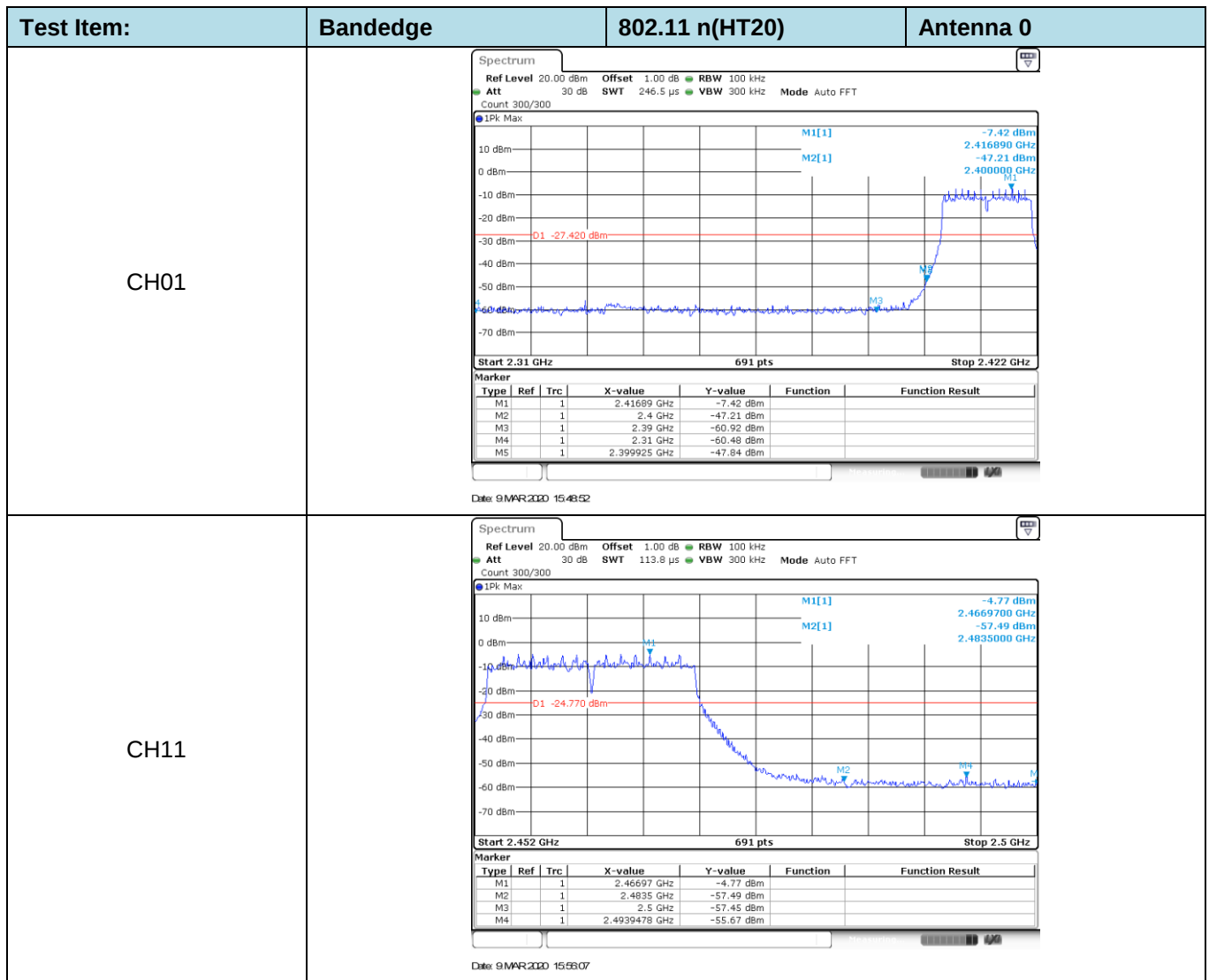




Appendix F: Band Edge and Spurious Emissions (Conducted)

Test Item:	Bandedge	802.11 b	Antenna 0																																										
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 246.5 μs RBW 100 kHz VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 -4.33 dBm 2.413000 GHz -49.01 dBm 2.400000 GHz -59.81 dBm -60.37 dBm -48.34 dBm D1 -24.330 dBm Start 2.31 GHz 691 pts Stop 2.422 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.413 GHz</td><td>-4.33 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-49.01 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.81 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-60.37 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399438 GHz</td><td>-48.34 dBm</td><td></td><td></td></tr></tbody></table> Date: 9/MAR/2020 15:23:00			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.413 GHz	-4.33 dBm			M2	1		2.4 GHz	-49.01 dBm			M3	1		2.39 GHz	-59.81 dBm			M4	1		2.31 GHz	-60.37 dBm			M5	1		2.399438 GHz	-48.34 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.413 GHz	-4.33 dBm																																									
M2	1		2.4 GHz	-49.01 dBm																																									
M3	1		2.39 GHz	-59.81 dBm																																									
M4	1		2.31 GHz	-60.37 dBm																																									
M5	1		2.399438 GHz	-48.34 dBm																																									
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 113.8 μs RBW 100 kHz VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2[1] M2 M4 M -1.90 dBm 2.4627320 GHz -58.53 dBm 2.4835000 GHz -60.61 dBm -57.08 dBm D1 -21.900 dBm Start 2.452 GHz 691 pts Stop 2.5 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.462732 GHz</td><td>-1.90 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-58.53 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-60.61 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4877565 GHz</td><td>-57.08 dBm</td><td></td><td></td></tr></tbody></table> Date: 9/MAR/2020 15:33:48			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.462732 GHz	-1.90 dBm			M2	1		2.4835 GHz	-58.53 dBm			M3	1		2.5 GHz	-60.61 dBm			M4	1		2.4877565 GHz	-57.08 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.462732 GHz	-1.90 dBm																																									
M2	1		2.4835 GHz	-58.53 dBm																																									
M3	1		2.5 GHz	-60.61 dBm																																									
M4	1		2.4877565 GHz	-57.08 dBm																																									

Test Item:	Bandedge	802.11 g	Antenna 0
CH01	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max		



Test Item:	Bandedge	802.11 n(HT40)	Antenna 0																																										
CH03	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWT 303.4 μs VBW 300 kHz Mode Auto FFT Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M5 M2 M3 -8.03 dBm 2.434450 GHz -53.75 dBm 2.400000 GHz Start 2.31 GHz 691 pts Stop 2.442 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.43445 GHz</td><td>-8.03 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.75 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-58.64 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-58.58 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.394557 GHz</td><td>-51.64 dBm</td><td></td><td></td></tr></table> Date: 9/MAR/2020 16:01:51			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.43445 GHz	-8.03 dBm			M2	1		2.4 GHz	-53.75 dBm			M3	1		2.39 GHz	-58.64 dBm			M4	1		2.31 GHz	-58.58 dBm			M5	1		2.394557 GHz	-51.64 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.43445 GHz	-8.03 dBm																																									
M2	1		2.4 GHz	-53.75 dBm																																									
M3	1		2.39 GHz	-58.64 dBm																																									
M4	1		2.31 GHz	-58.58 dBm																																									
M5	1		2.394557 GHz	-51.64 dBm																																									
CH09	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M1 M4 M3 -7.24 dBm 2.4645240 GHz -53.50 dBm 2.4835000 GHz Start 2.432 GHz 691 pts Stop 2.5 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.464524 GHz</td><td>-7.24 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-53.50 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-54.91 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4848232 GHz</td><td>-49.52 dBm</td><td></td><td></td></tr></table> Date: 9/MAR/2020 16:10:57			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.464524 GHz	-7.24 dBm			M2	1		2.4835 GHz	-53.50 dBm			M3	1		2.5 GHz	-54.91 dBm			M4	1		2.4848232 GHz	-49.52 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.464524 GHz	-7.24 dBm																																									
M2	1		2.4835 GHz	-53.50 dBm																																									
M3	1		2.5 GHz	-54.91 dBm																																									
M4	1		2.4848232 GHz	-49.52 dBm																																									

Test Item:	Bandedge	802.11 b	Antenna 1																																										
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -3.91 dBm -48.55 dBm -60.21 dBm -47.77 dBm 2.411710 GHz 2.400000 GHz D1 -23.910 dBm Start 2.31 GHz 691 pts Stop 2.422 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.41171 GHz</td><td>-3.91 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-48.55 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-61.11 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-60.21 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399925 GHz</td><td>-47.77 dBm</td><td></td><td></td></tr></table> Date: 9/MAR/2020 16:17:37			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41171 GHz	-3.91 dBm			M2	1		2.4 GHz	-48.55 dBm			M3	1		2.39 GHz	-61.11 dBm			M4	1		2.31 GHz	-60.21 dBm			M5	1		2.399925 GHz	-47.77 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.41171 GHz	-3.91 dBm																																									
M2	1		2.4 GHz	-48.55 dBm																																									
M3	1		2.39 GHz	-61.11 dBm																																									
M4	1		2.31 GHz	-60.21 dBm																																									
M5	1		2.399925 GHz	-47.77 dBm																																									
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2[1] M3 M4 -2.37 dBm -58.94 dBm -59.87 dBm -57.60 dBm 2.460926 GHz 2.4835000 GHz D1 -22.370 dBm Start 2.452 GHz 691 pts Stop 2.5 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.460926 GHz</td><td>-2.37 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-58.94 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.87 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4958957 GHz</td><td>-57.60 dBm</td><td></td><td></td></tr></table> Date: 9/MAR/2020 16:22:59			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.460926 GHz	-2.37 dBm			M2	1		2.4835 GHz	-58.94 dBm			M3	1		2.5 GHz	-59.87 dBm			M4	1		2.4958957 GHz	-57.60 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.460926 GHz	-2.37 dBm																																									
M2	1		2.4835 GHz	-58.94 dBm																																									
M3	1		2.5 GHz	-59.87 dBm																																									
M4	1		2.4958957 GHz	-57.60 dBm																																									

Test Item:	Bandedge	802.11 g	Antenna 1																																										
CH01	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -7.66 dBm 2.414460 GHz -47.09 dBm 2.400000 GHz D1 -27.660 dBm Start 2.31 GHz 691 pts Stop 2.422 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.41446 GHz</td><td>-7.66 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-47.09 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.96 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-60.27 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399925 GHz</td><td>-47.24 dBm</td><td></td><td></td></tr></table> Date: 9/MAR/2020 16:28:40			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41446 GHz	-7.66 dBm			M2	1		2.4 GHz	-47.09 dBm			M3	1		2.39 GHz	-59.96 dBm			M4	1		2.31 GHz	-60.27 dBm			M5	1		2.399925 GHz	-47.24 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.41446 GHz	-7.66 dBm																																									
M2	1		2.4 GHz	-47.09 dBm																																									
M3	1		2.39 GHz	-59.96 dBm																																									
M4	1		2.31 GHz	-60.27 dBm																																									
M5	1		2.399925 GHz	-47.24 dBm																																									
CH11	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 -5.89 dBm 2.4669700 GHz -57.48 dBm 2.4835000 GHz D1 -25.890 dBm Start 2.452 GHz 691 pts Stop 2.5 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.46697 GHz</td><td>-5.89 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-57.48 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.63 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.485113 GHz</td><td>-56.54 dBm</td><td></td><td></td></tr></table> Date: 9/MAR/2020 16:31:27			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.46697 GHz	-5.89 dBm			M2	1		2.4835 GHz	-57.48 dBm			M3	1		2.5 GHz	-59.63 dBm			M4	1		2.485113 GHz	-56.54 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.46697 GHz	-5.89 dBm																																									
M2	1		2.4835 GHz	-57.48 dBm																																									
M3	1		2.5 GHz	-59.63 dBm																																									
M4	1		2.485113 GHz	-56.54 dBm																																									

Test Item:	Bandedge	802.11 n(HT20)	Antenna 1
CH01	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max </		

Test Item:	Bandedge	802.11 n(HT40)	Antenna 1
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CH03

Spectrum

Ref Level 20.00 dBm

Offset 1.00 dB

RBW 100 kHz

Att 30 dB

SWT 303.4 μ s

VBW 300 kHz

Mode Auto FFT

Count 300/300

IPk Max

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1[1] -11.22 dBm

M2[1] -55.72 dBm

M1 -2.400000 GHz

D1 -31.220 dBm

M3

M4

Start 2.31 GHz

691 pts

Stop 2.442 GHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.43445 GHz	-11.22 dBm		
M2	1		2.4 GHz	-55.72 dBm		
M3	1		2.39 GHz	-56.90 dBm		
M4	1		2.31 GHz	-58.81 dBm		
M5	1		2.399148 GHz	-54.39 dBm		

Date: 9/MAR/2020 16:43:15

CH09

Spectrum

Ref Level 20.00 dBm

Offset 1.00 dB

RBW 100 kHz

Att 30 dB

SWT 1.1 ms

VBW 300 kHz

Mode Auto Sweep

Count 300/300

IPk Max

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

M1[1] -9.74 dBm

M2[1] -53.41 dBm

M1 -2.4825000 GHz

D1 -29.740 dBm

M2

M4

Start 2.432 GHz

691 pts

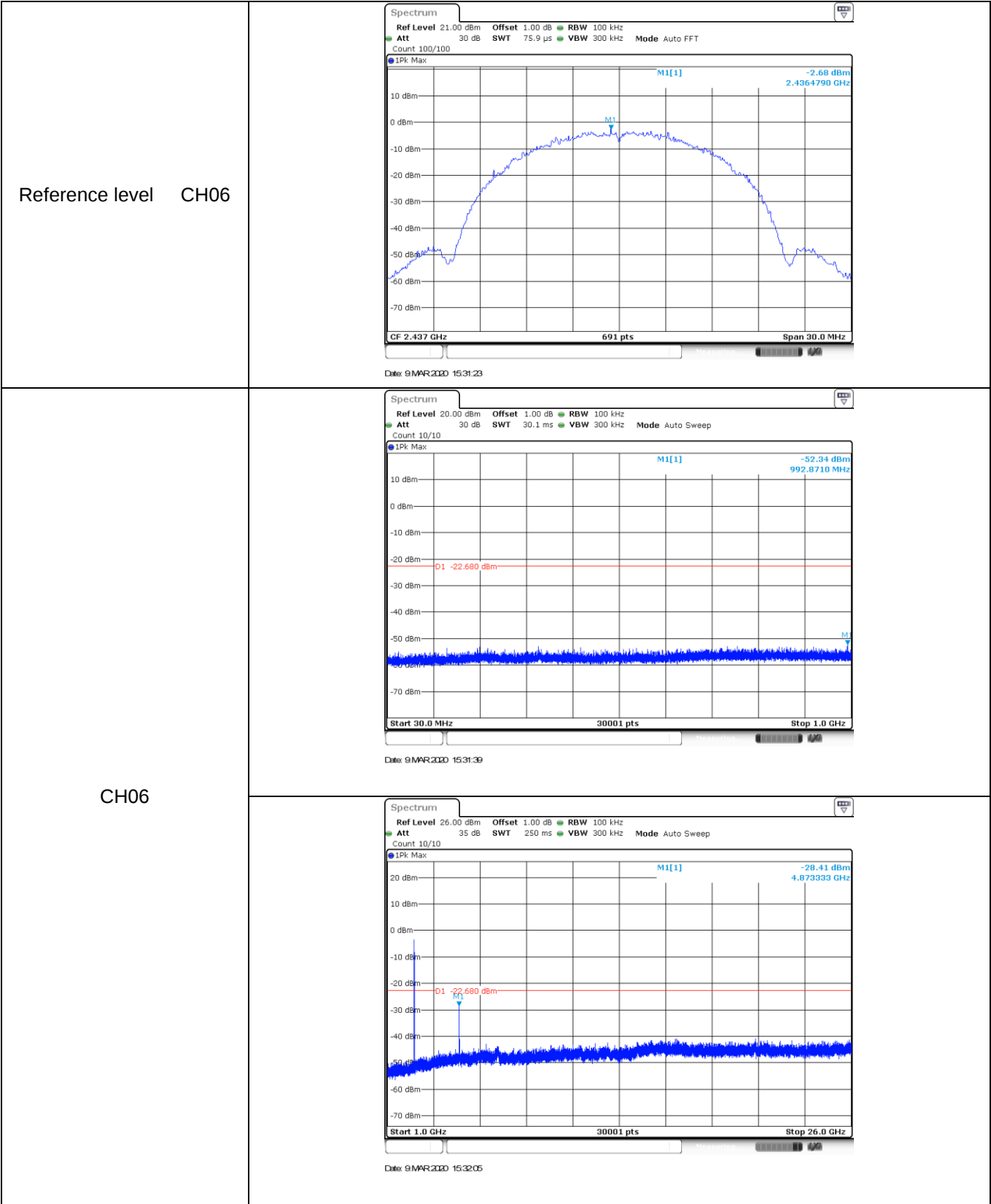
Stop 2.5 GHz

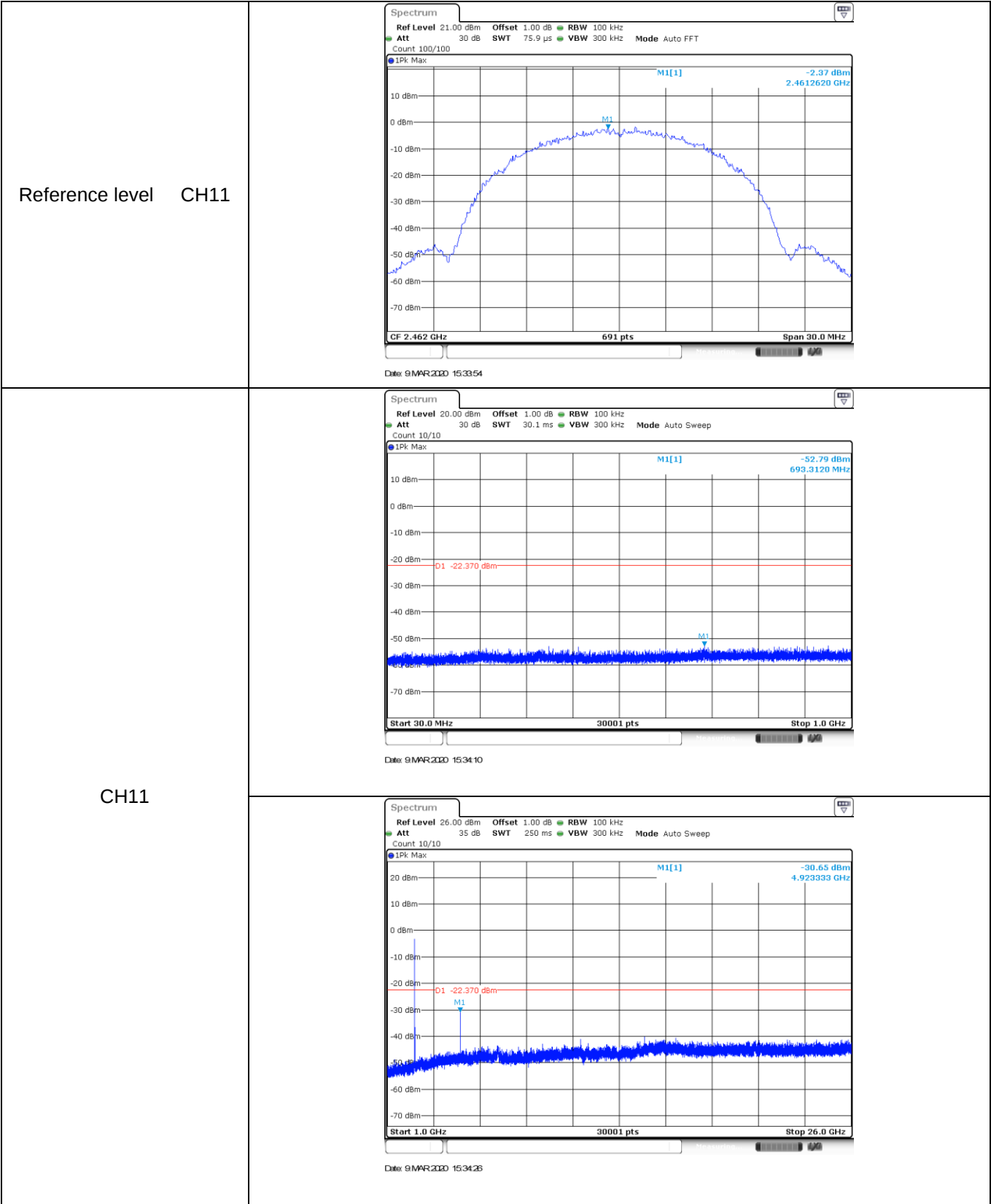
Marker

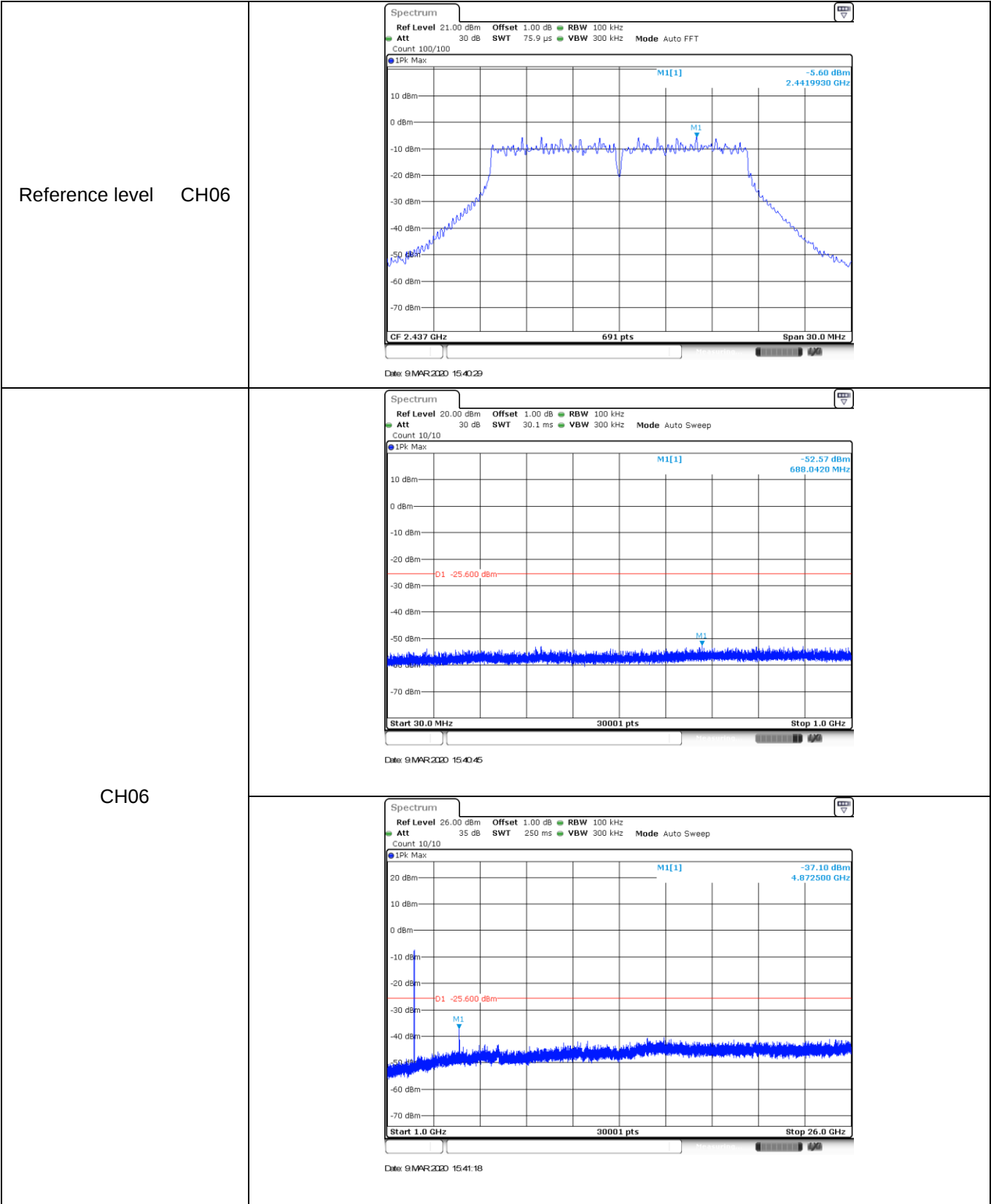
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.464524 GHz	-9.74 dBm		
M2	1		2.4835 GHz	-53.41 dBm		
M3	1		2.5 GHz	-54.15 dBm		
M4	1		2.4857101 GHz	-51.78 dBm		

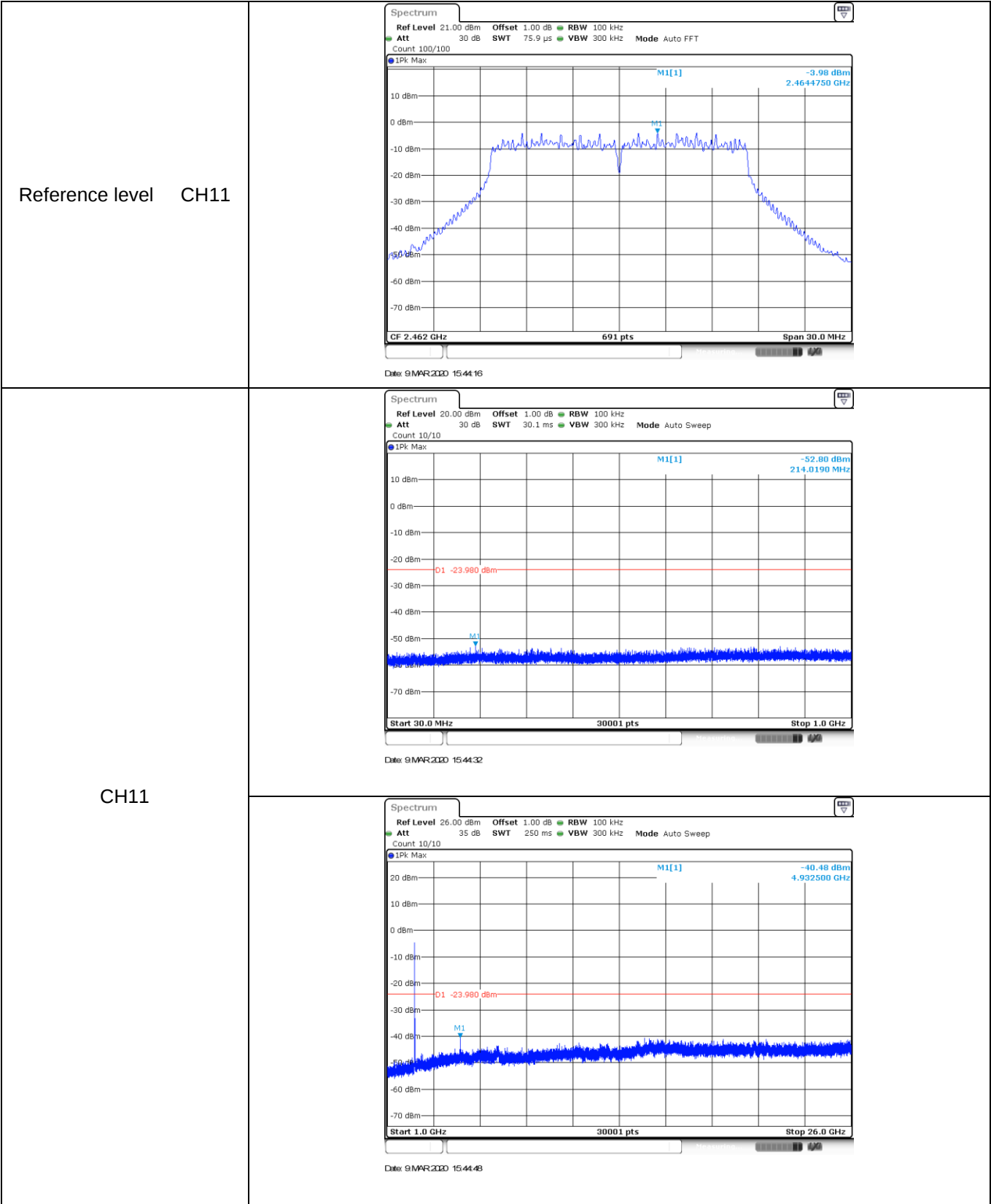
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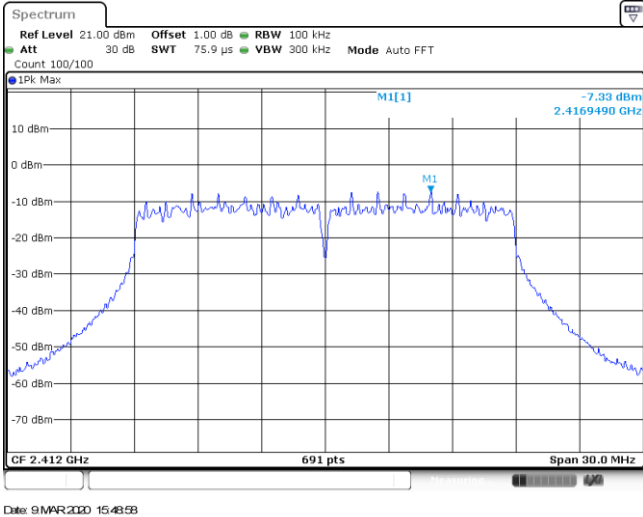
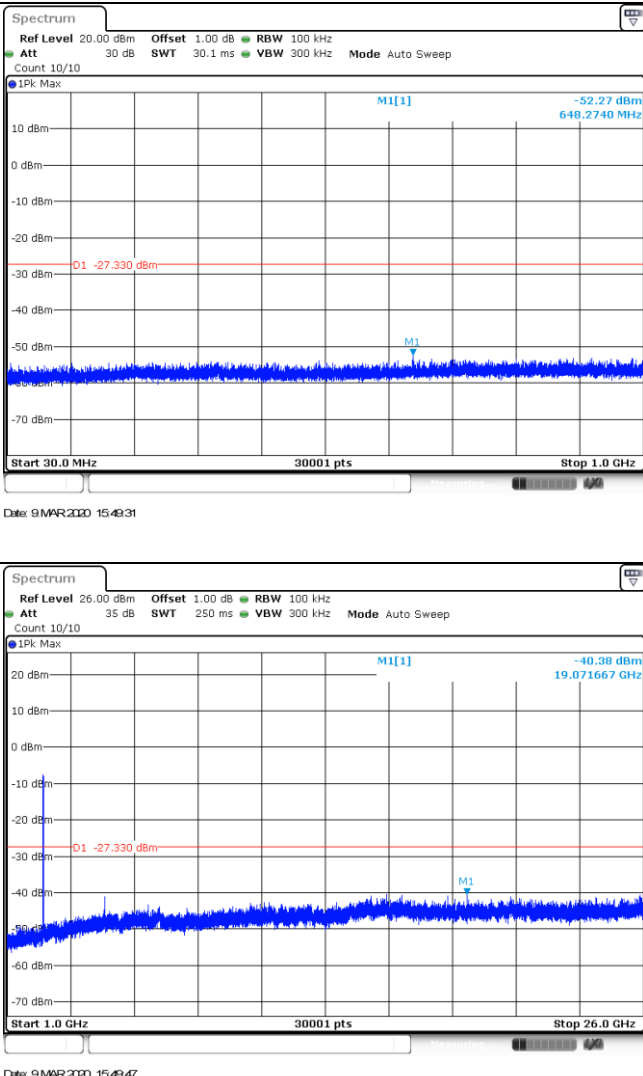
Test Item:	SE	802.11 b	Antenna 0
Reference levelCH01	Spectrum Ref Level21.00 dBm Att30 dB Count100/100 Offset1.00 dB SWT75.9 μs RBW100 kHz VBW300 kHz ModeAuto FFT IPk Max M1[1] -3.28 dBm 2.4123040 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 691 pts Span 30.0 MHz Date: 9 MAR 2020 15:25:30		
CH01	Spectrum Ref Level20.00 dBm Att30 dB Count10/10 Offset1.00 dB SWT30.1 ms RBW100 kHz VBW300 kHz ModeAuto Sweep IPk Max M1[1] -52.89 dBm 736.7990 MHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 9 MAR 2020 15:25:46		
	Spectrum Ref Level26.00 dBm Att35 dB Count10/10 Offset1.00 dB SWT250 ms RBW100 kHz VBW300 kHz ModeAuto Sweep IPk Max M1[1] -28.35 dBm 4.823333 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 9 MAR 2020 15:28:12		

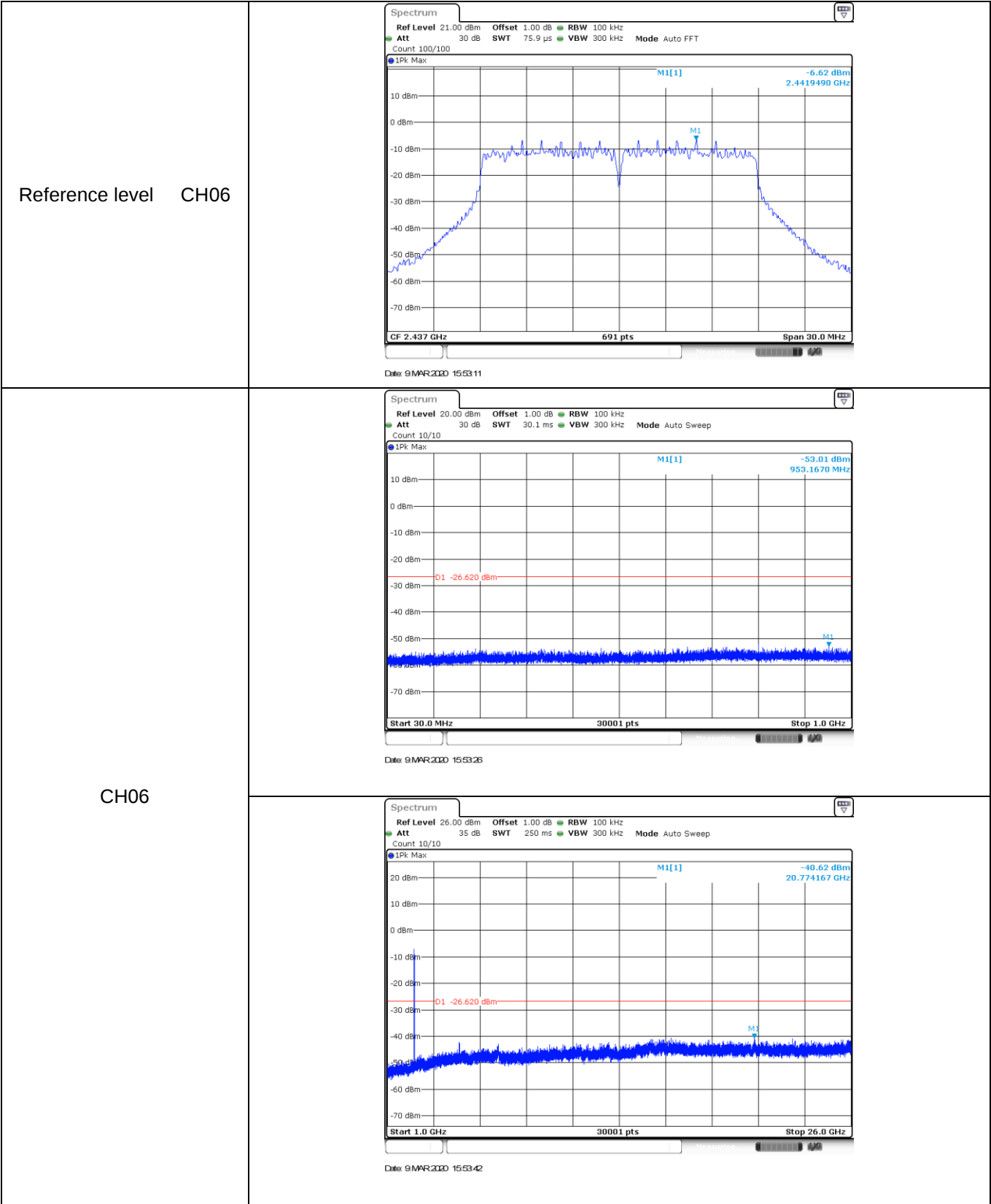


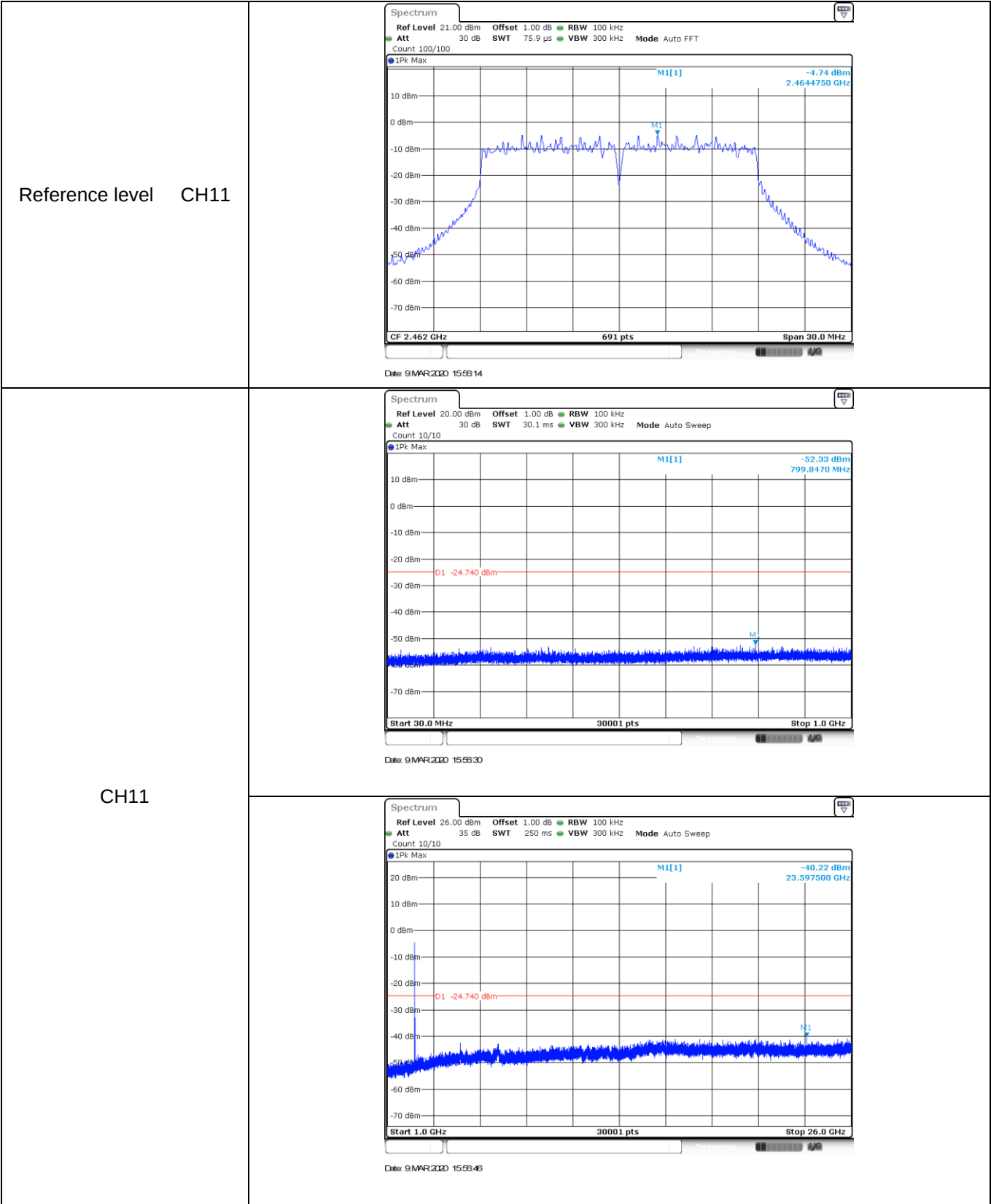


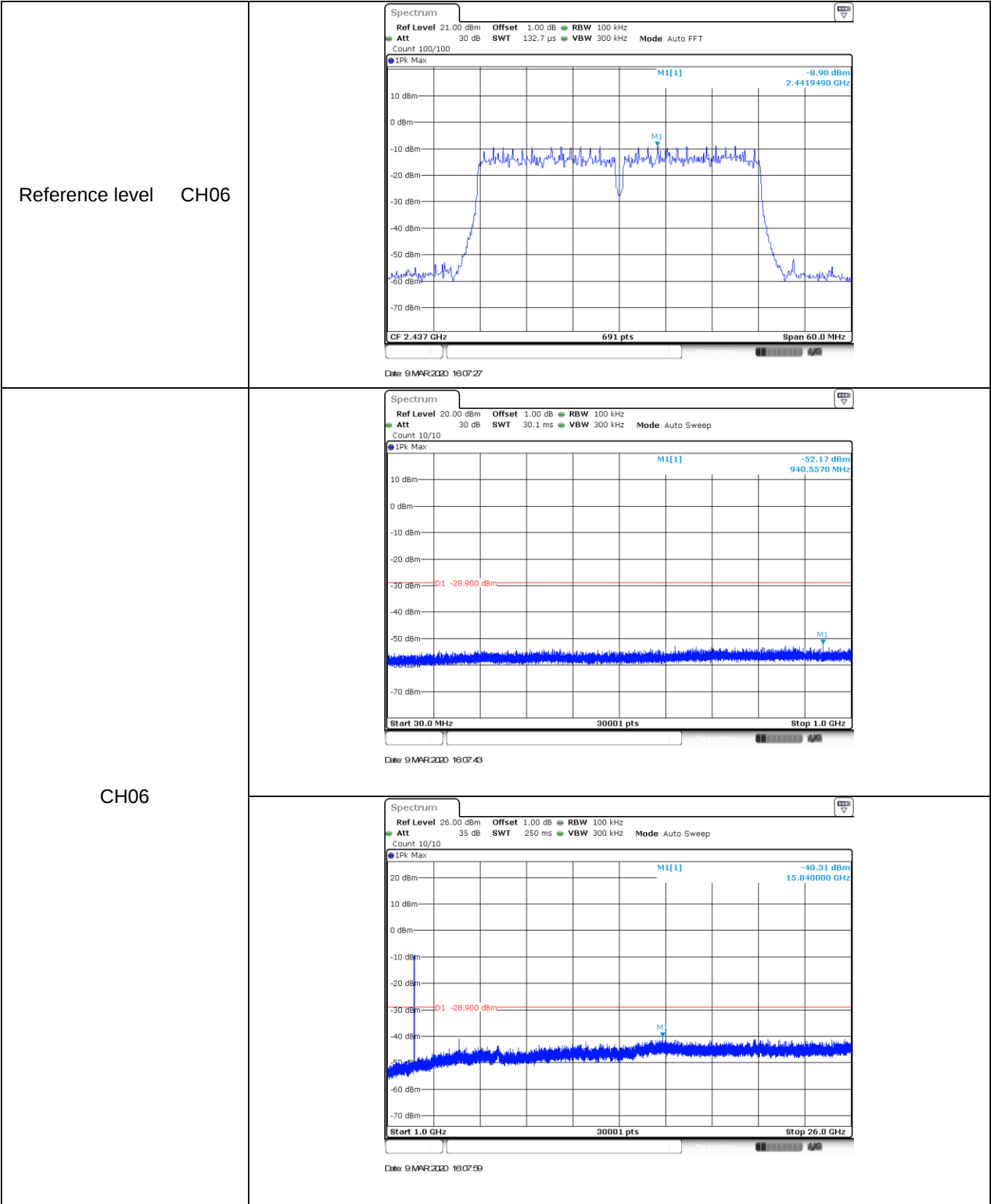


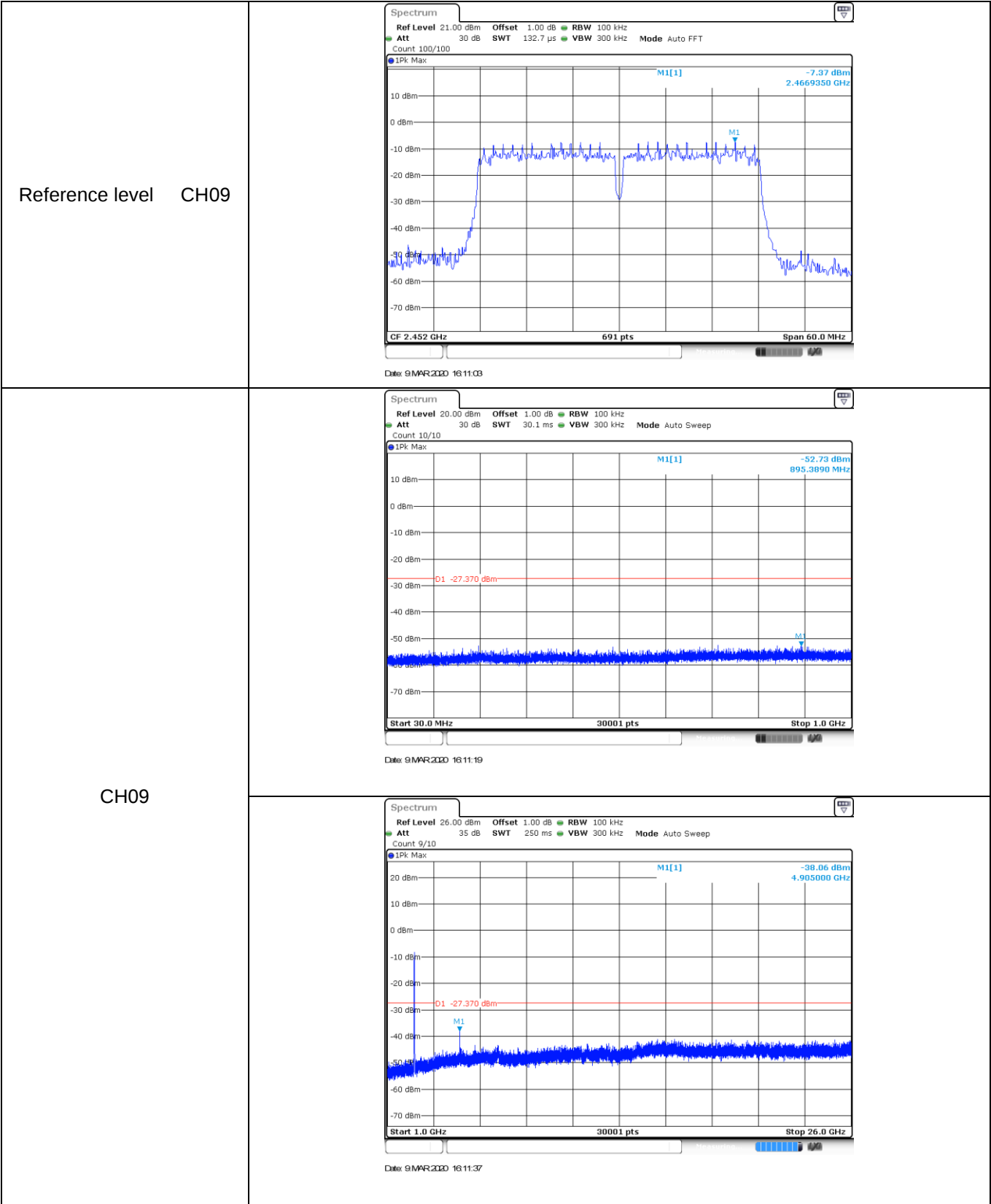


Test Item:	SE	802.11 n(HT20)	Antenna 0
Reference level CH01			
CH01			

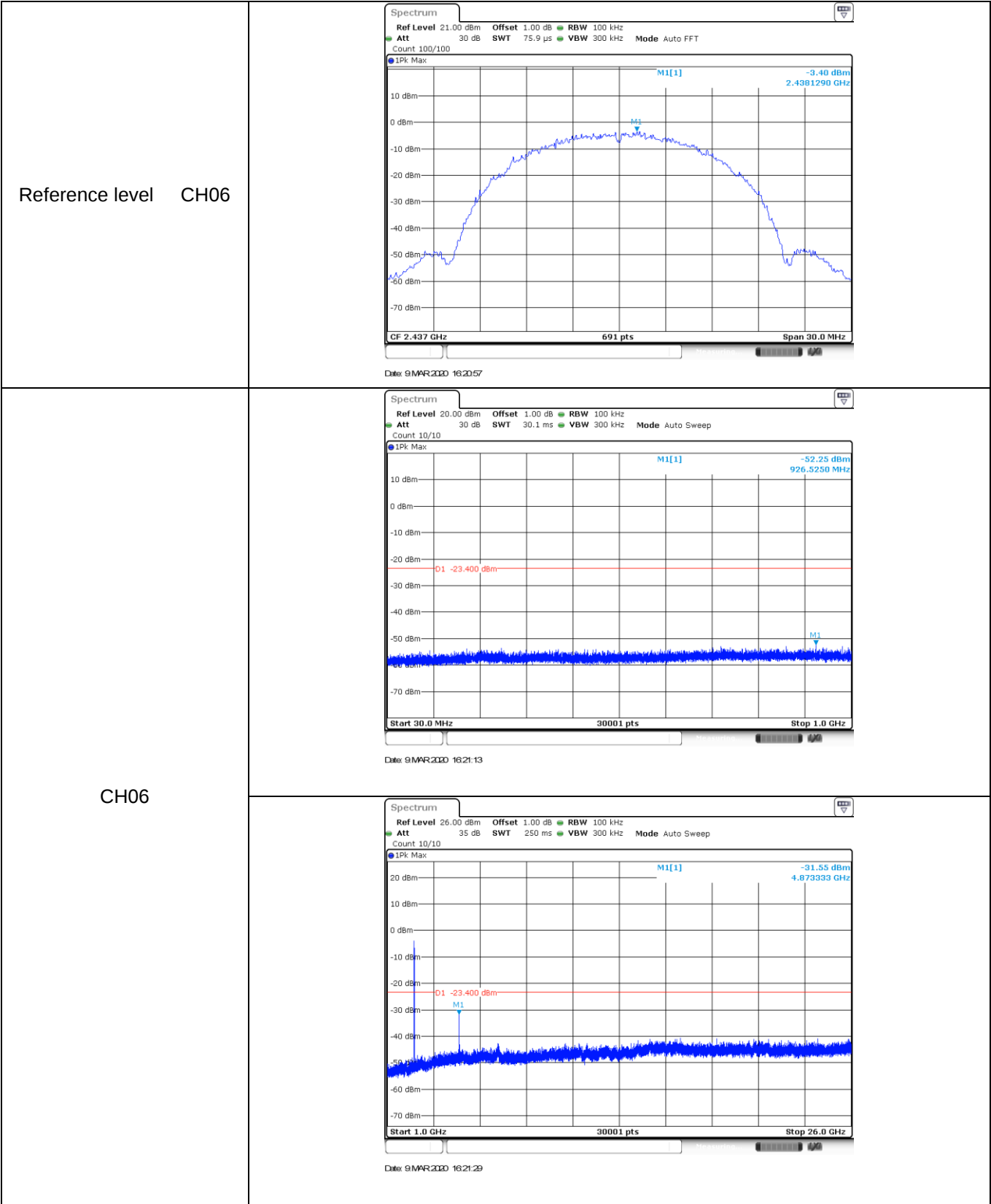


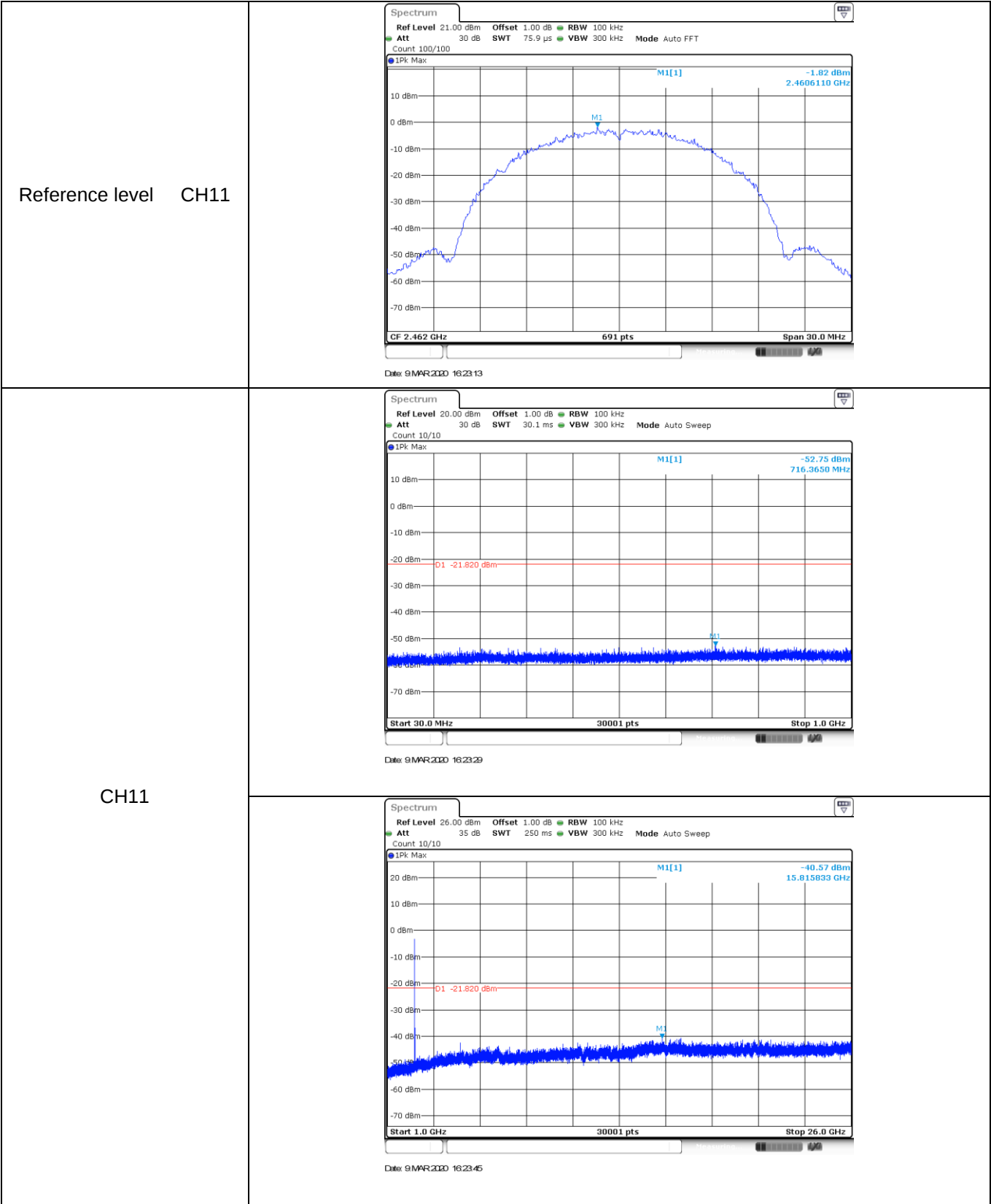


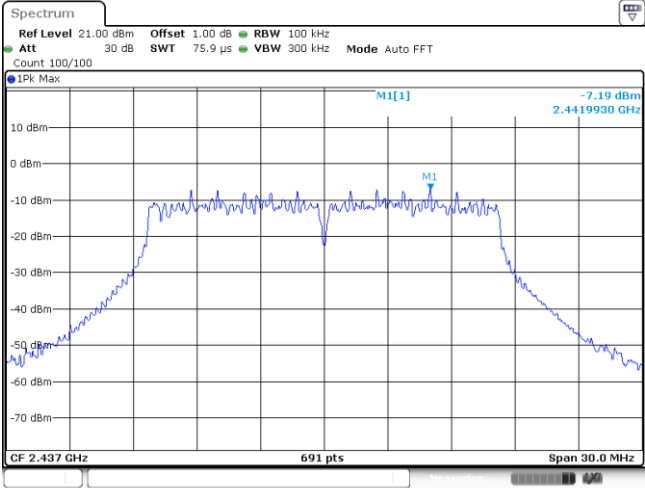
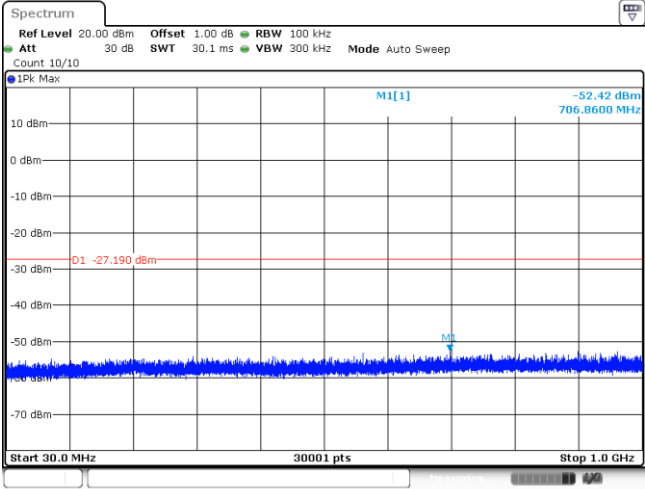
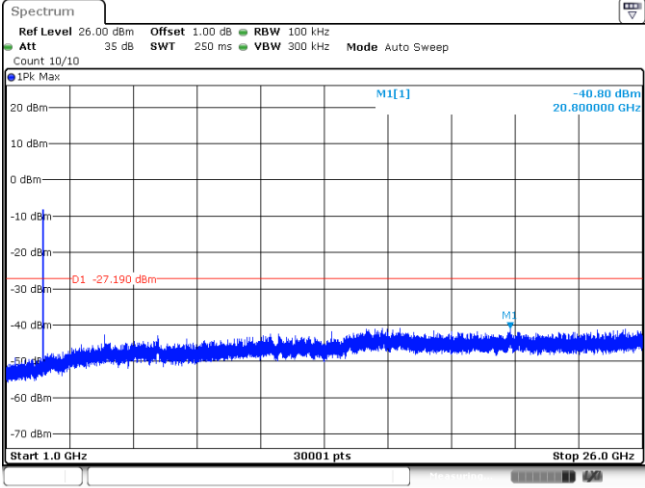


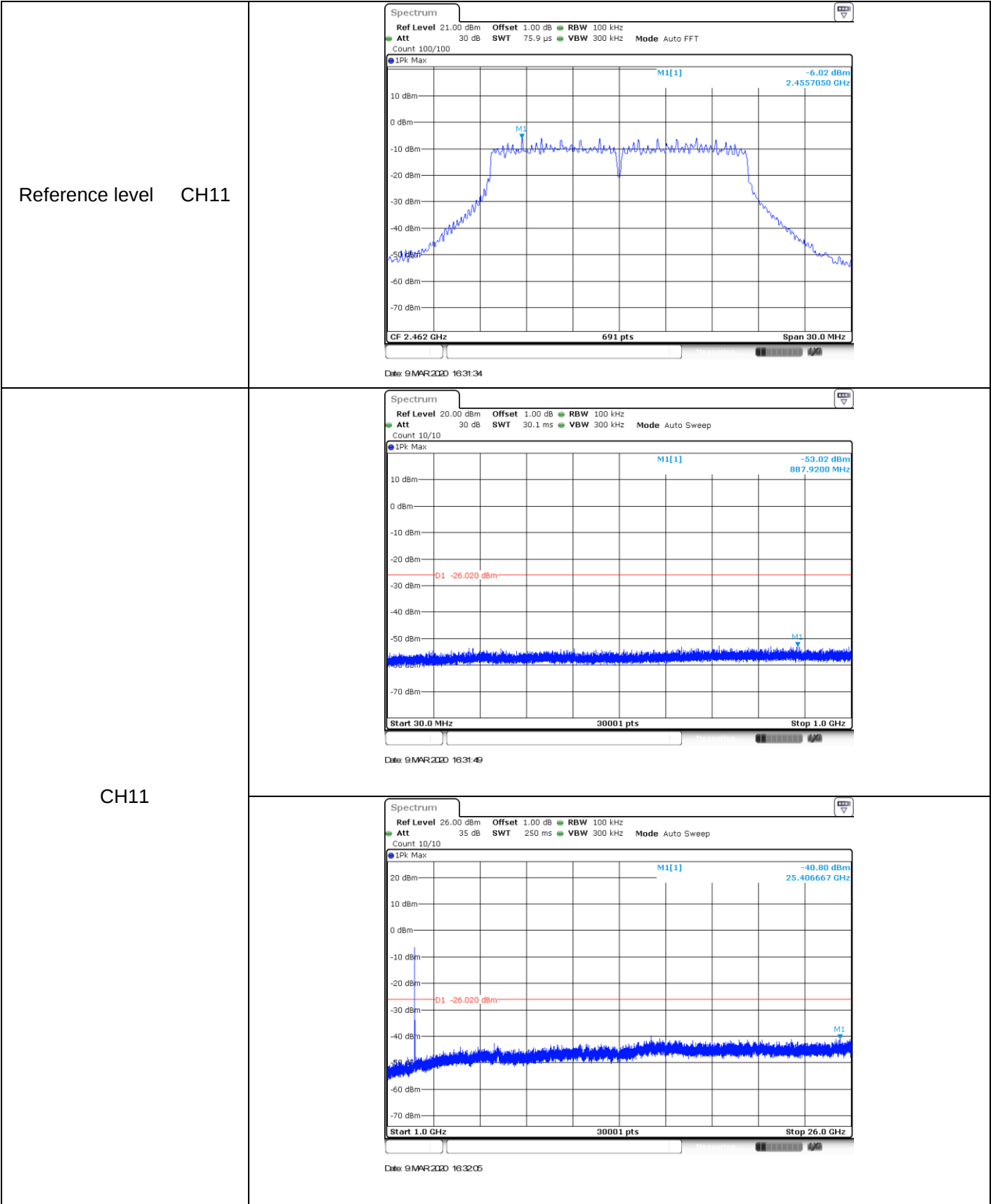


Test Item:	SE	802.11 b	Antenna 1
Reference level	CH01		
	CH01		
	CH01		

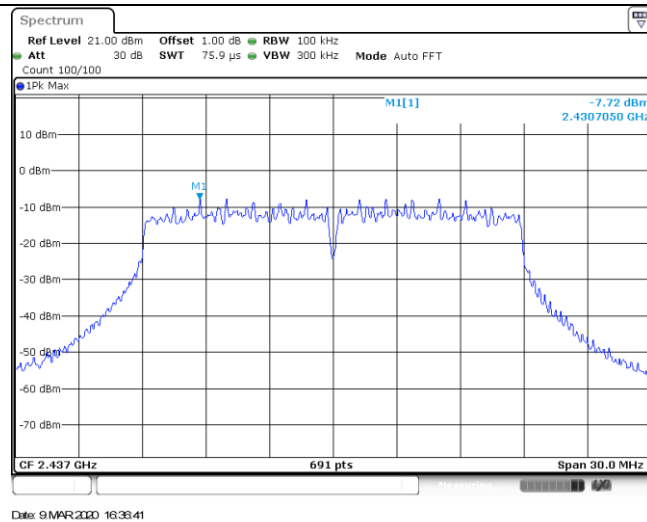




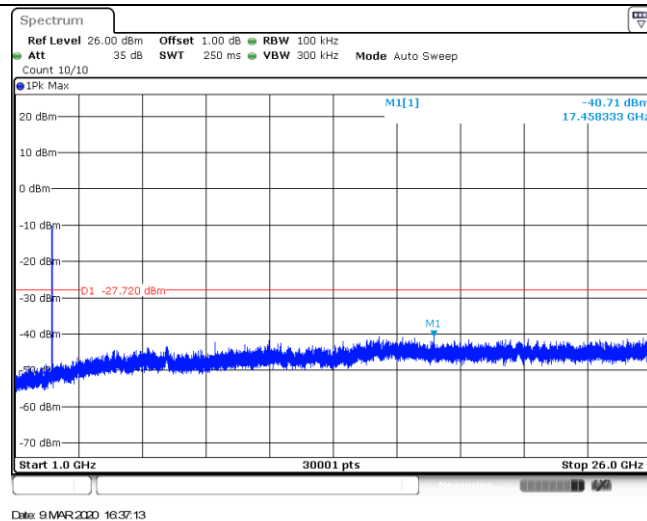
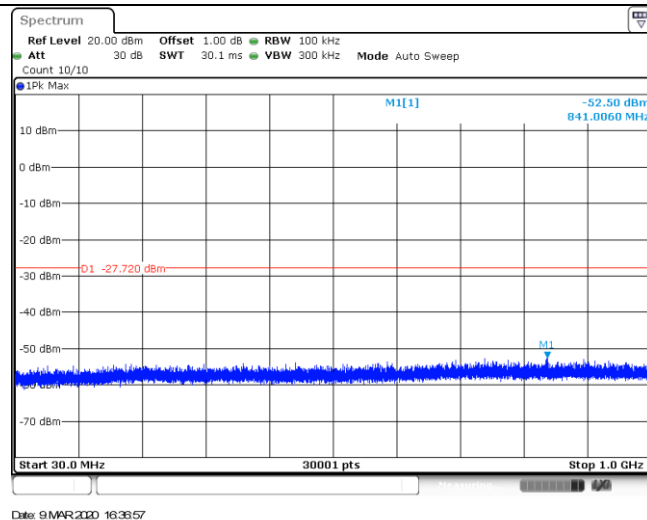
Reference levelCH06	 Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPk Max M1[1] -7.19 dBm 2.4419930 GHz CF 2.437 GHz 691 pts Span 30.0 MHz Date: 9/MAR/2020 16:29:01
CH06	 Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -52.42 dBm 706.8600 MHz Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 9/MAR/2020 16:29:16
	 Spectrum Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPk Max M1[1] -40.80 dBm 20.800000 GHz Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 9/MAR/2020 16:29:32

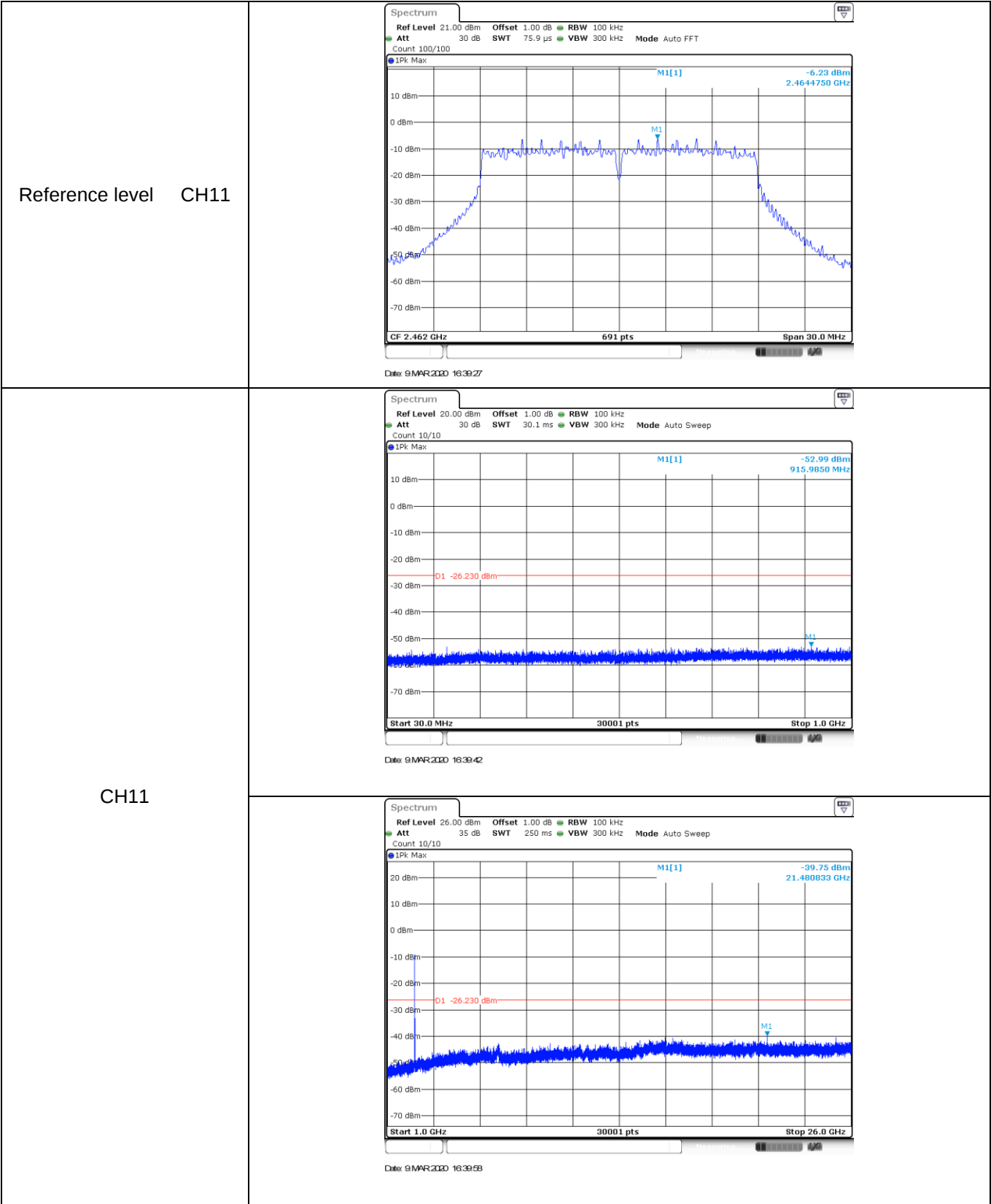


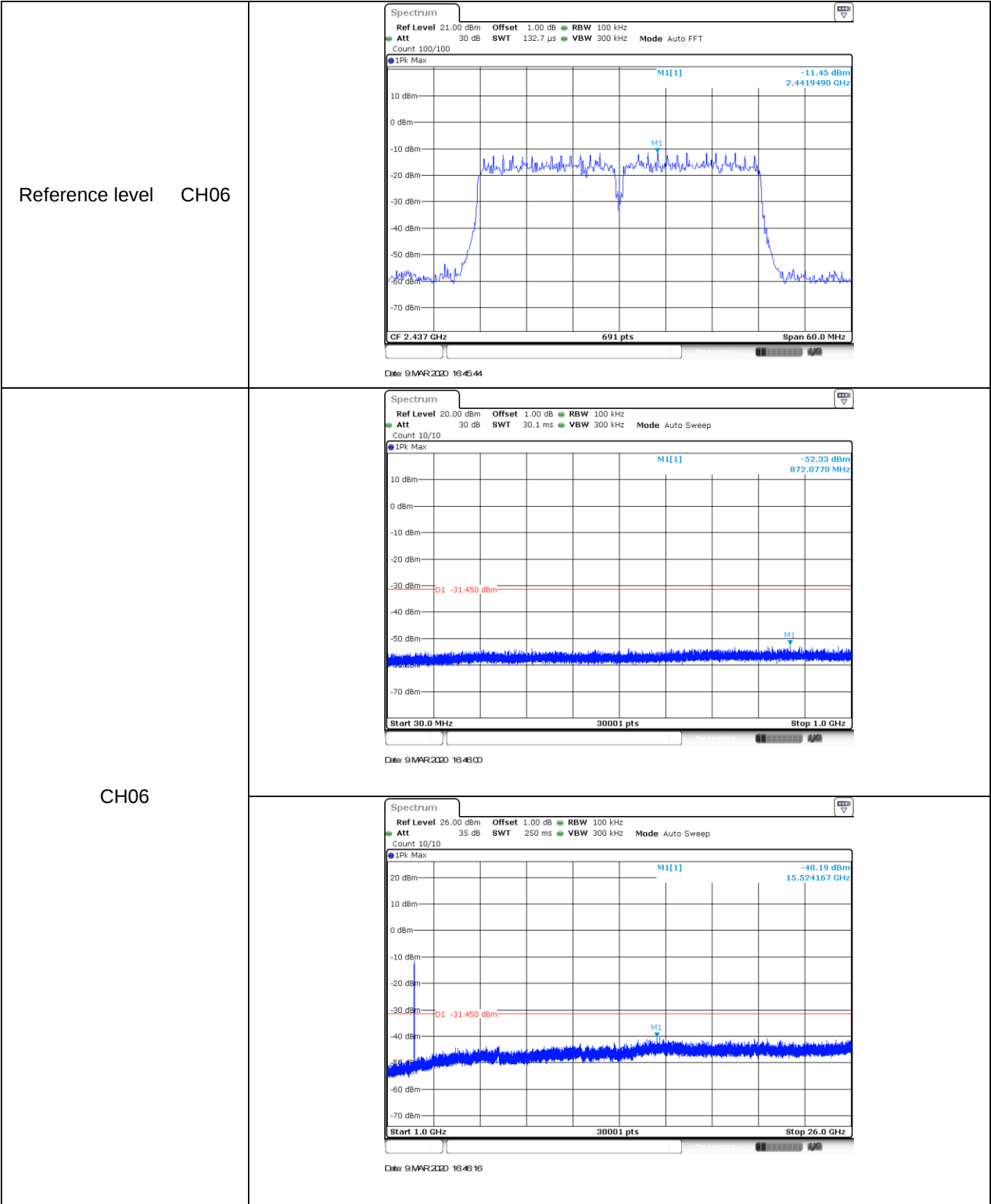
Reference level CH06

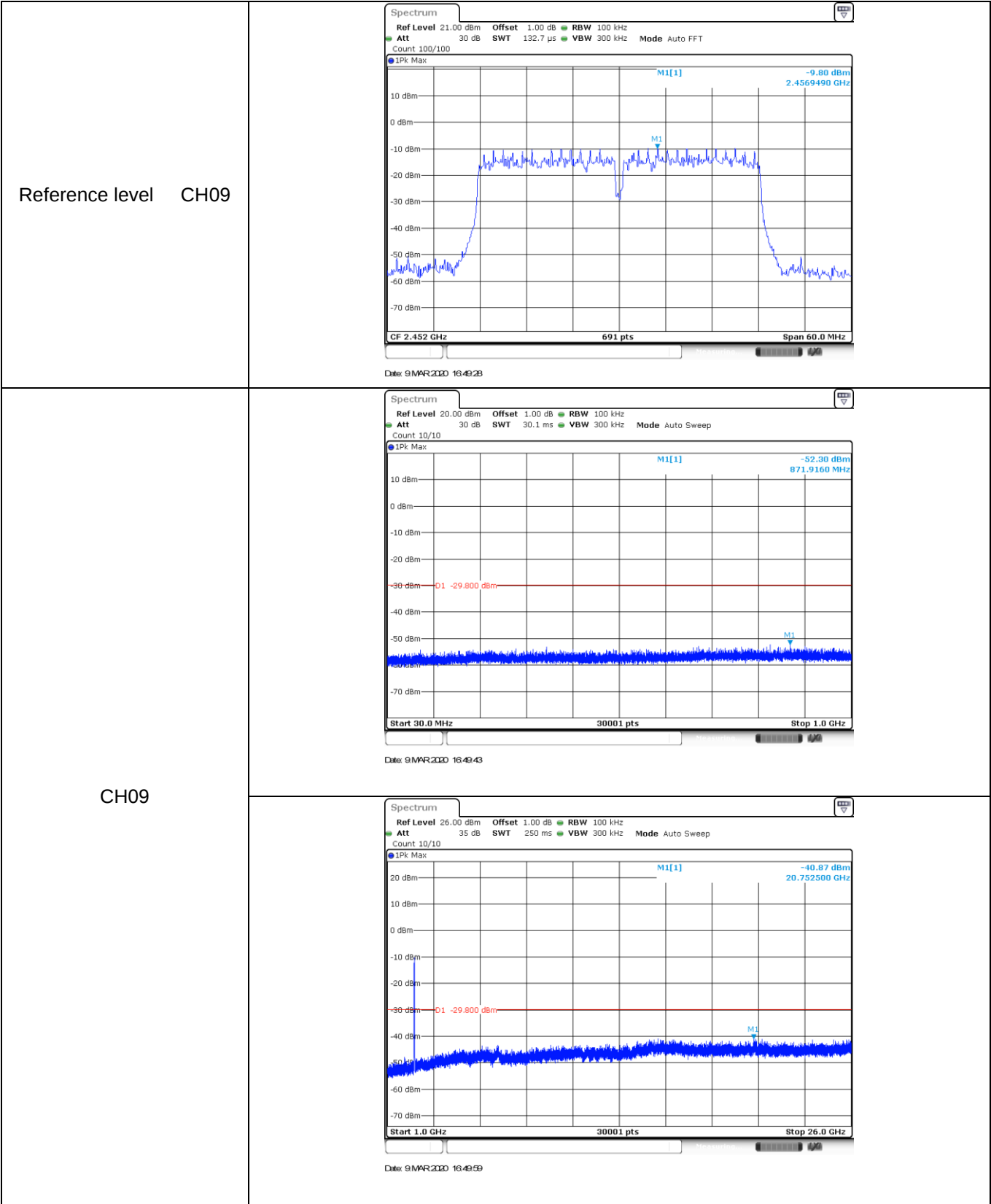


CH06









.....End of Report.....