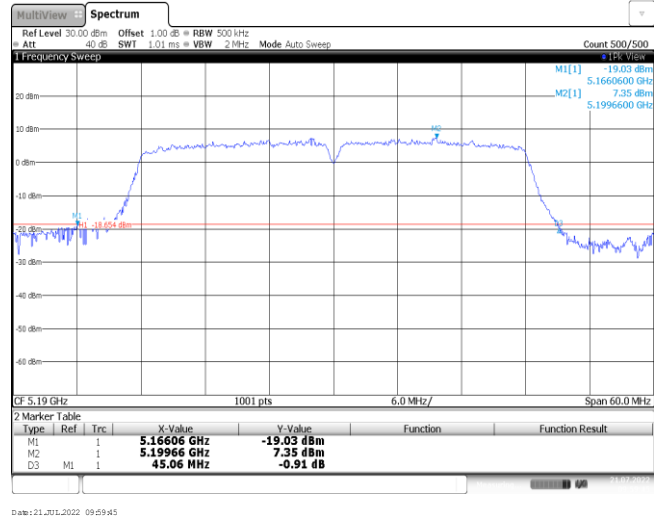
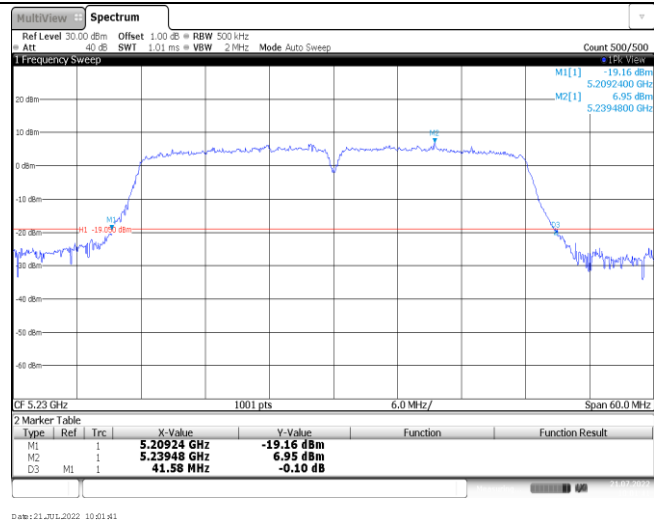


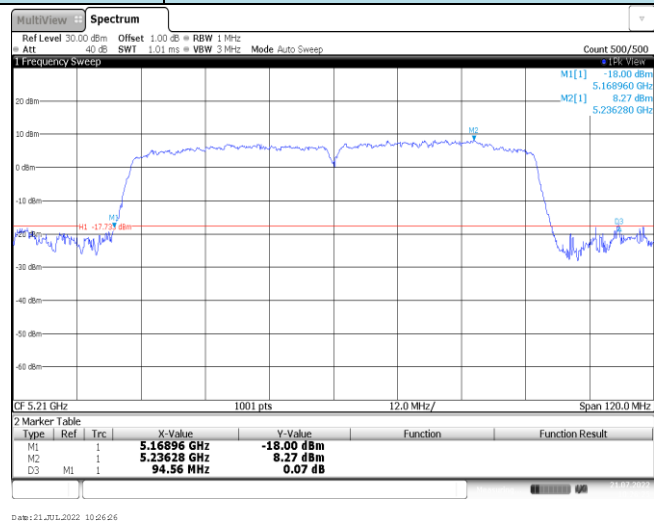
Band I

802.11n (HT40)

CH_LCH_H

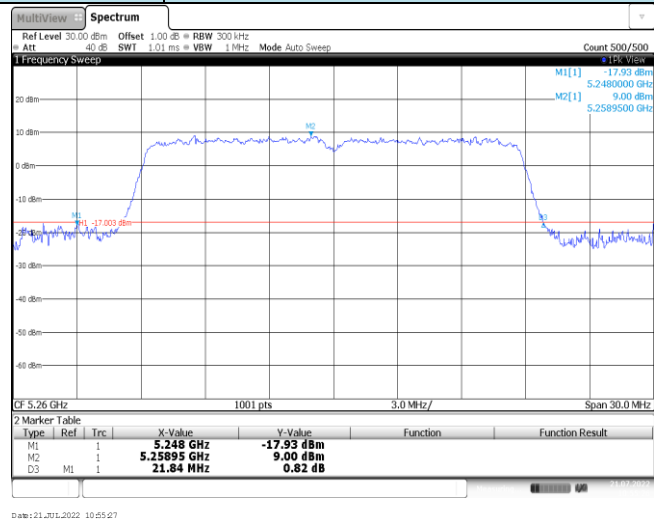
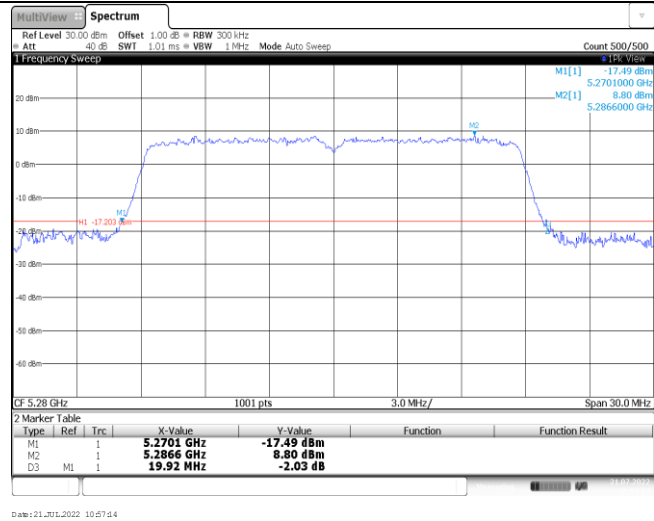
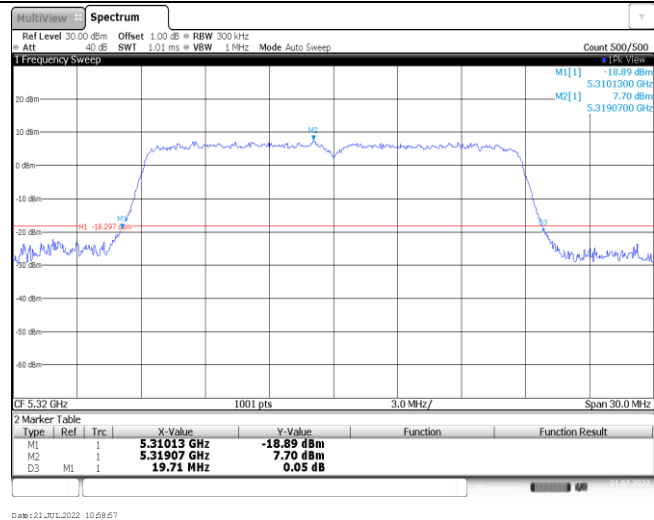
Band I

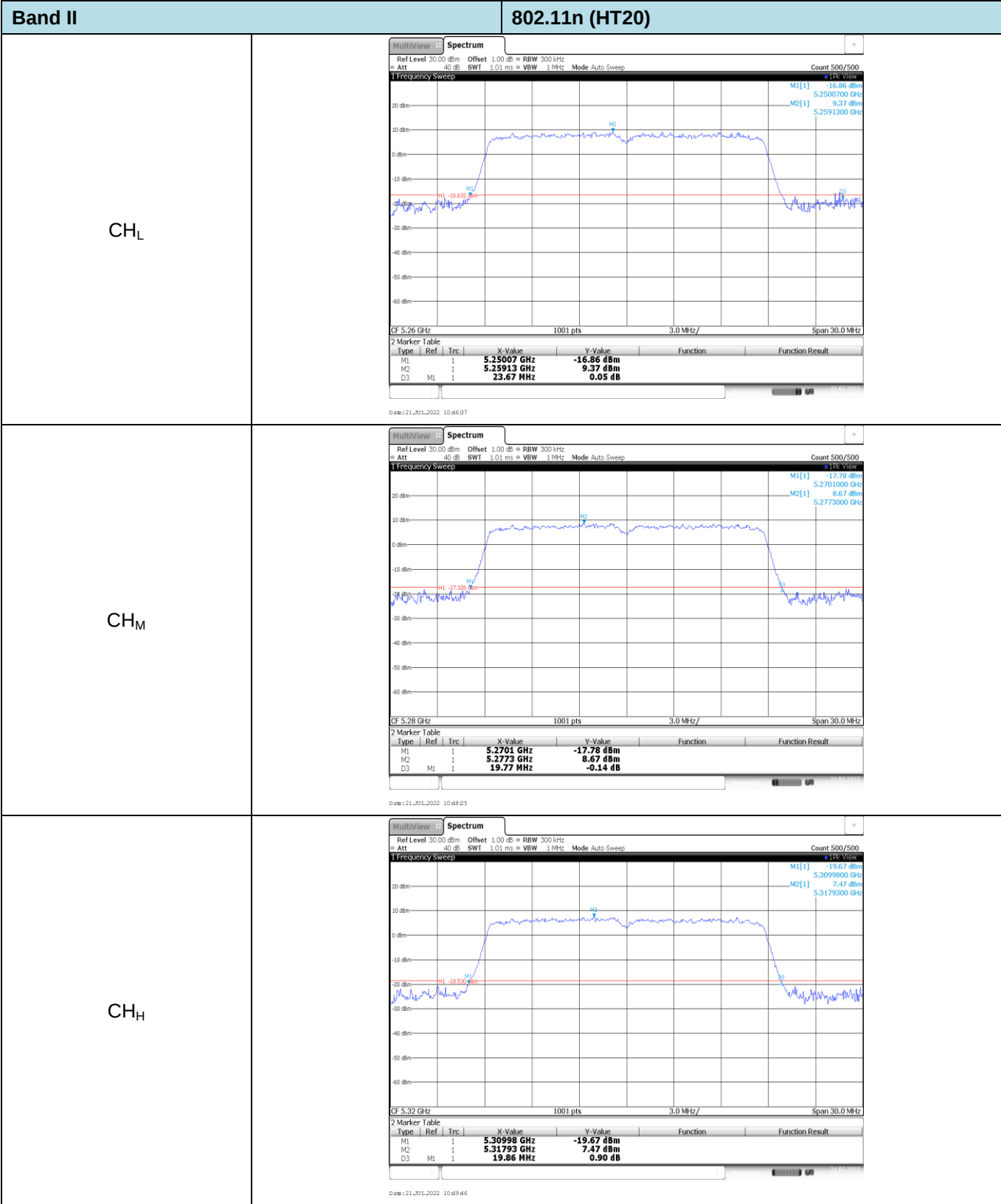
802.11ac (HT80)

CH_M

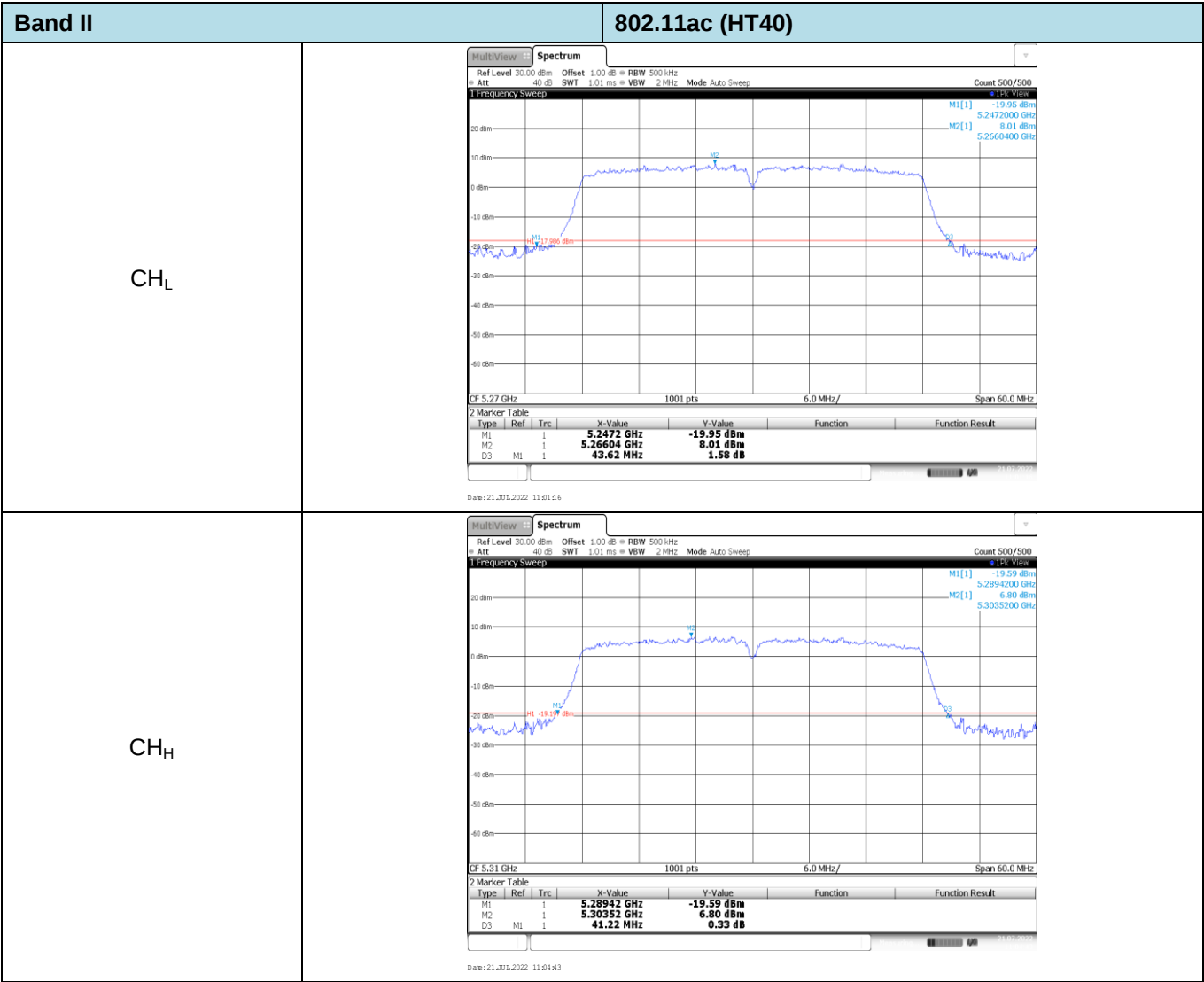
Band II

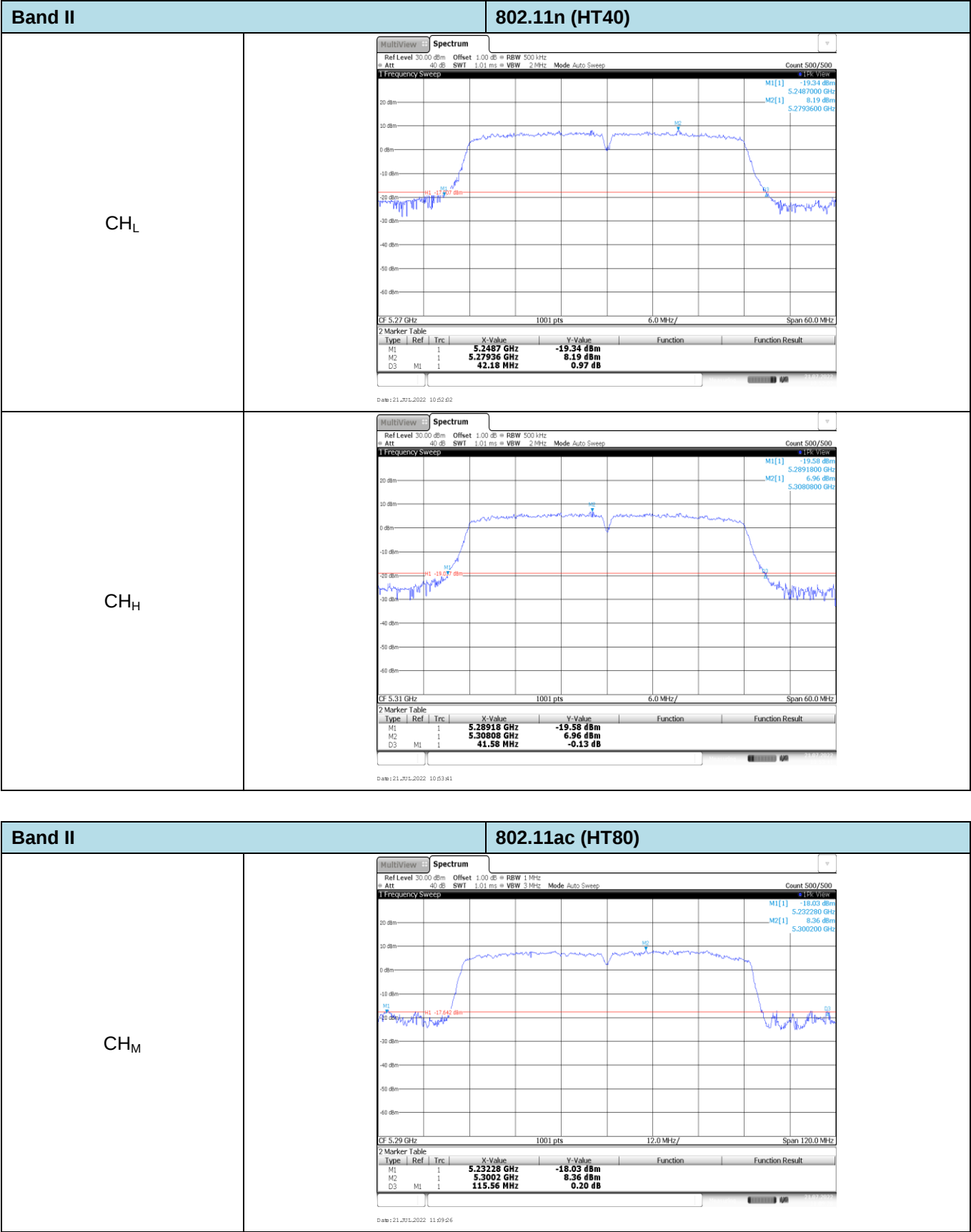
802.11ac (HT20)

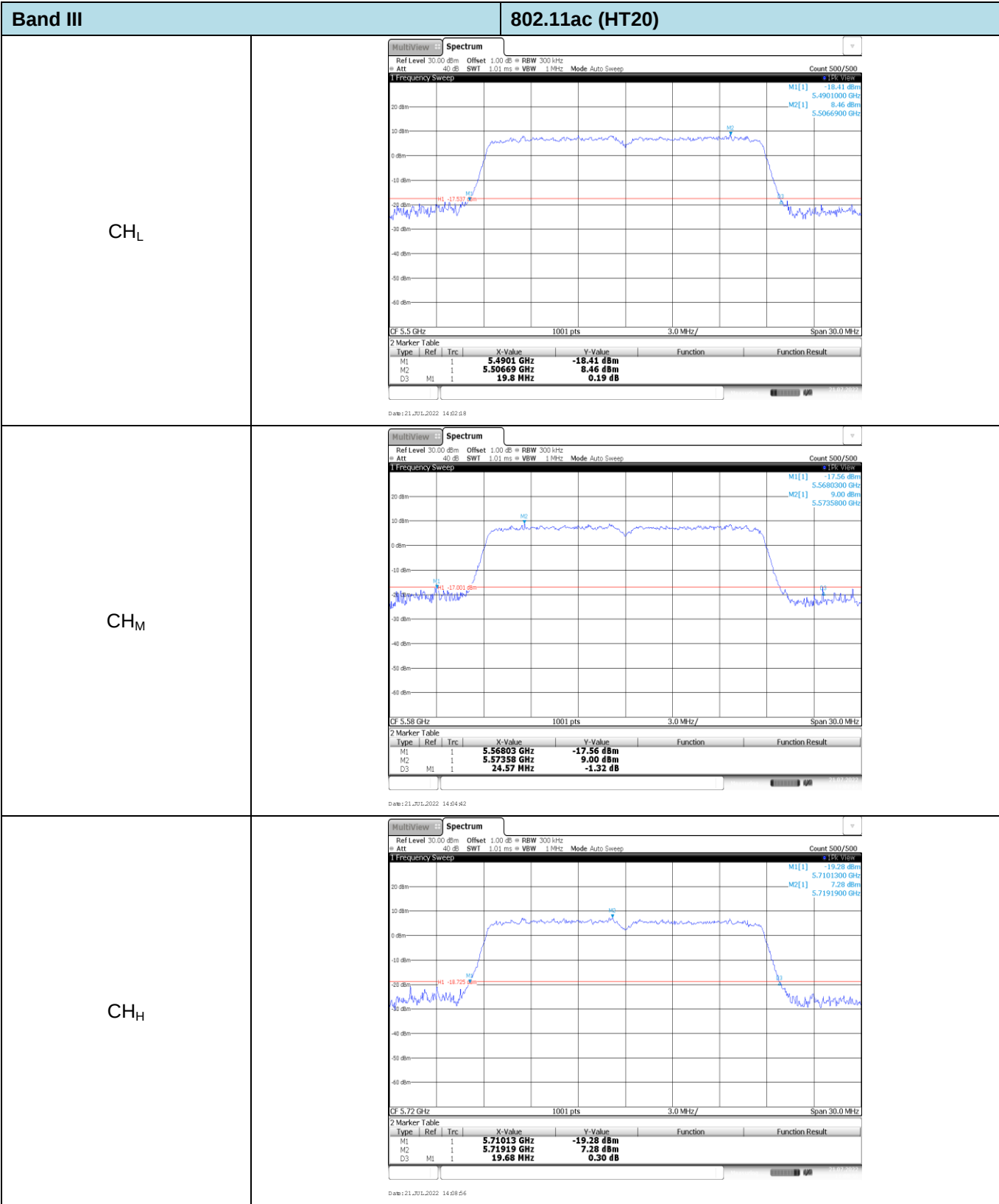
CH_LCH_MCH_H

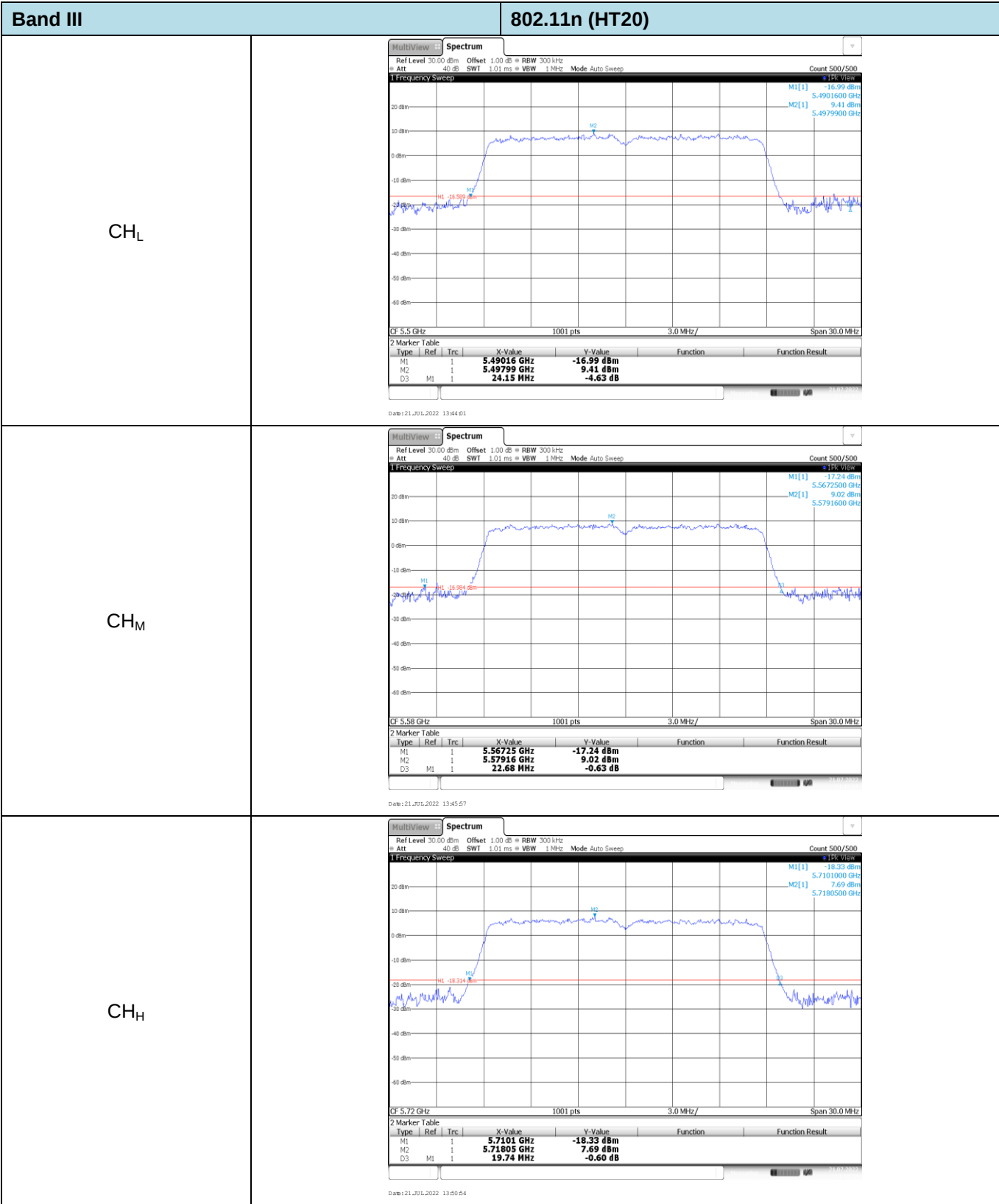


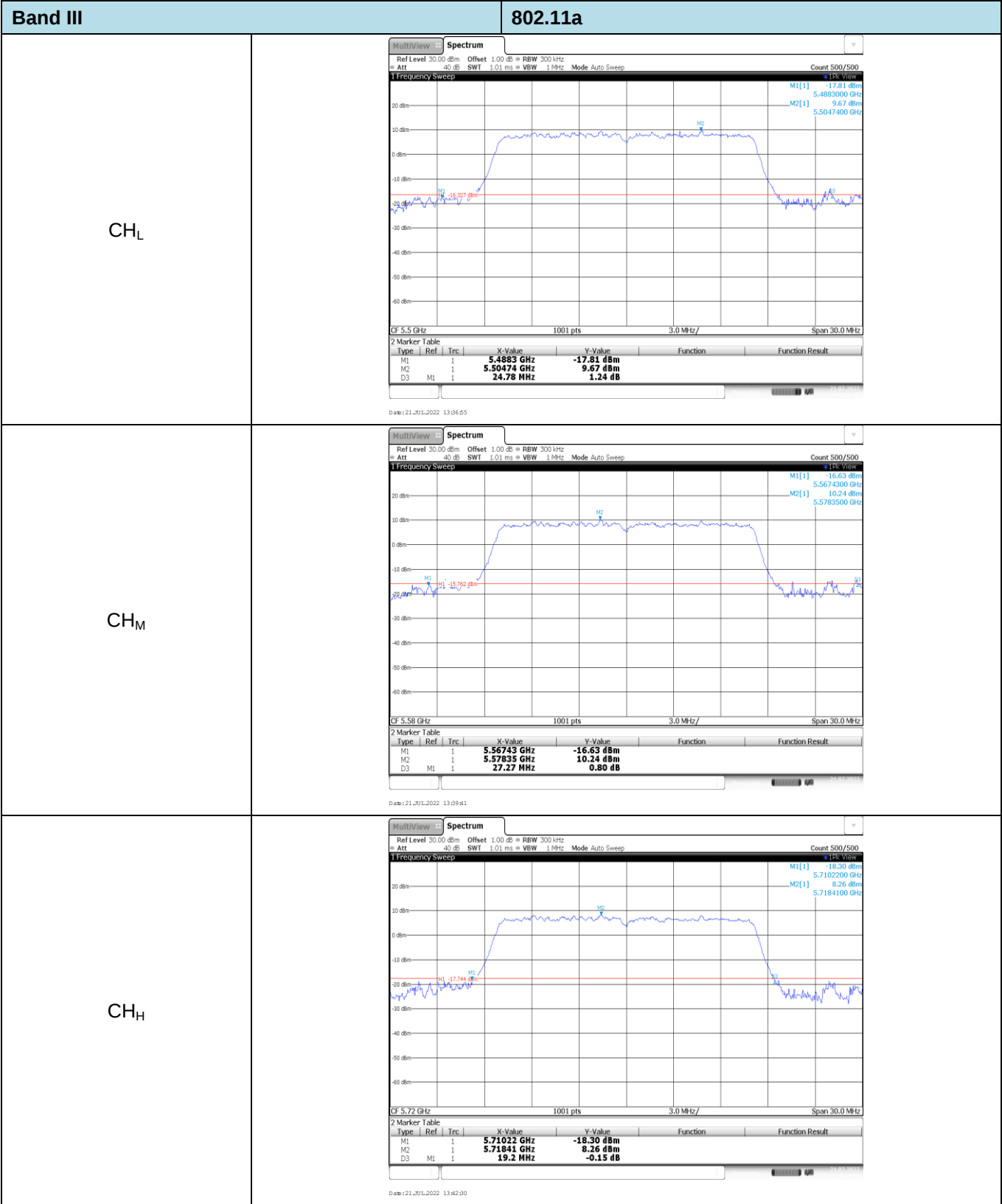
Band II		802.11a																											
CH _L	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att 40.00 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 2 Marker Table <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.24851 GHz</td><td>-16.40 dBm</td><td></td><td>5.2485100 GHz</td></tr><tr><td>M2</td><td>1</td><td></td><td>5.26474 GHz</td><td>9.70 dBm</td><td></td><td>5.2647400 GHz</td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.91 MHz</td><td>-0.02 dB</td><td></td><td>20.91 MHz</td></tr></table> Date: 21 JUL 2022 11:11:22	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.24851 GHz	-16.40 dBm		5.2485100 GHz	M2	1		5.26474 GHz	9.70 dBm		5.2647400 GHz	D3	M1	1	20.91 MHz	-0.02 dB		20.91 MHz
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.24851 GHz	-16.40 dBm		5.2485100 GHz																							
M2	1		5.26474 GHz	9.70 dBm		5.2647400 GHz																							
D3	M1	1	20.91 MHz	-0.02 dB		20.91 MHz																							
CH _M	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att 40.00 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 2 Marker Table <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>5.26863 GHz</td><td>-16.38 dBm</td><td></td><td>5.2686300 GHz</td></tr><tr><td>M2</td><td>1</td><td></td><td>5.27835 GHz</td><td>9.92 dBm</td><td></td><td>5.2783500 GHz</td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>24.18 MHz</td><td>-2.72 dB</td><td></td><td>24.18 MHz</td></tr></table> Date: 21 JUL 2022 11:13:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.26863 GHz	-16.38 dBm		5.2686300 GHz	M2	1		5.27835 GHz	9.92 dBm		5.2783500 GHz	D3	M1	1	24.18 MHz	-2.72 dB		24.18 MHz
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.26863 GHz	-16.38 dBm		5.2686300 GHz																							
M2	1		5.27835 GHz	9.92 dBm		5.2783500 GHz																							
D3	M1	1	24.18 MHz	-2.72 dB		24.18 MHz																							
CH _H	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att 40.00 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 2 Marker Table <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>5.31034 GHz</td><td>-18.69 dBm</td><td></td><td>5.3103400 GHz</td></tr><tr><td>M2</td><td>1</td><td></td><td>5.31415 GHz</td><td>8.26 dBm</td><td></td><td>5.3141500 GHz</td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>19.14 MHz</td><td>-0.60 dB</td><td></td><td>19.14 MHz</td></tr></table> Date: 21 JUL 2022 11:15:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.31034 GHz	-18.69 dBm		5.3103400 GHz	M2	1		5.31415 GHz	8.26 dBm		5.3141500 GHz	D3	M1	1	19.14 MHz	-0.60 dB		19.14 MHz
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.31034 GHz	-18.69 dBm		5.3103400 GHz																							
M2	1		5.31415 GHz	8.26 dBm		5.3141500 GHz																							
D3	M1	1	19.14 MHz	-0.60 dB		19.14 MHz																							

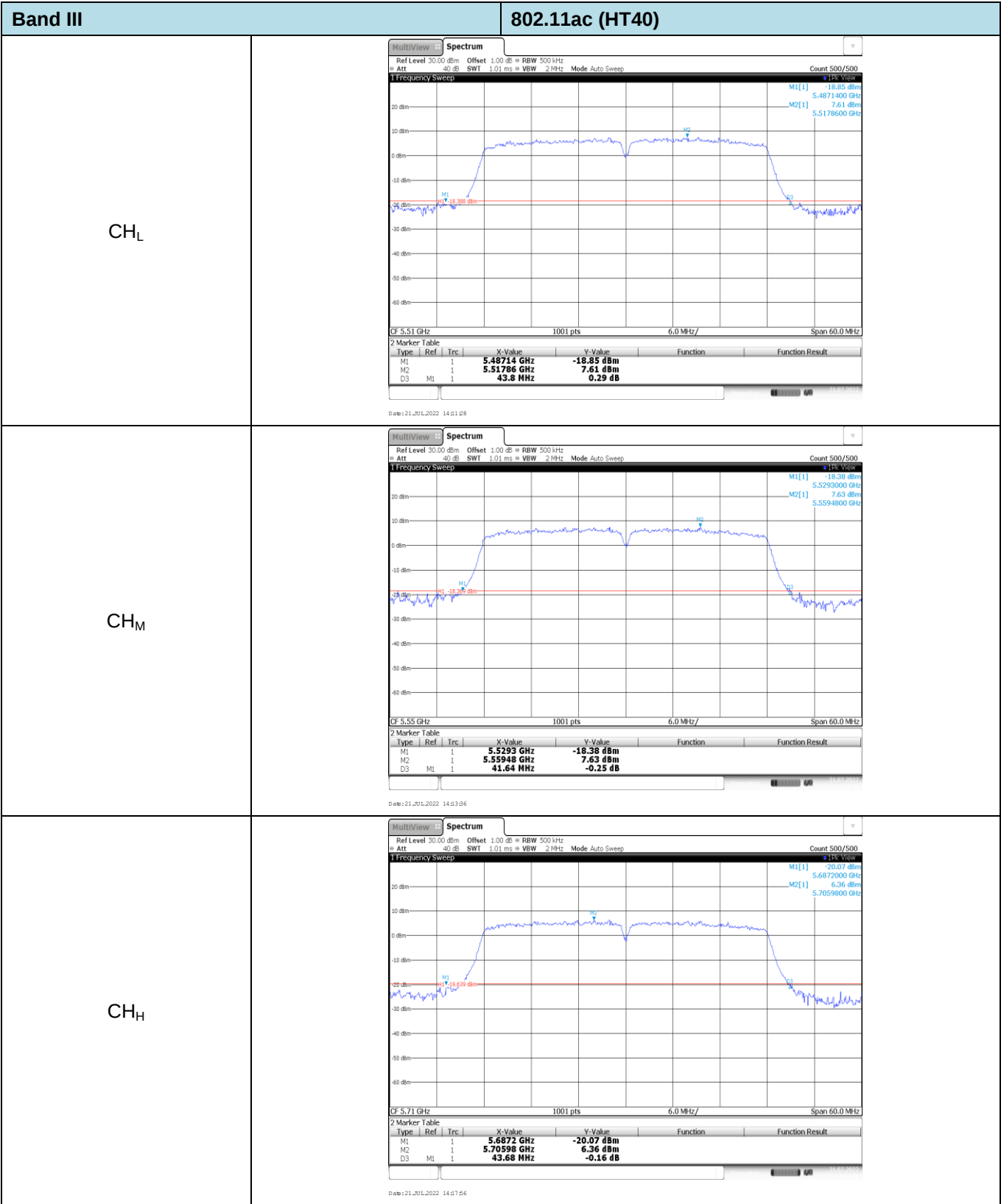


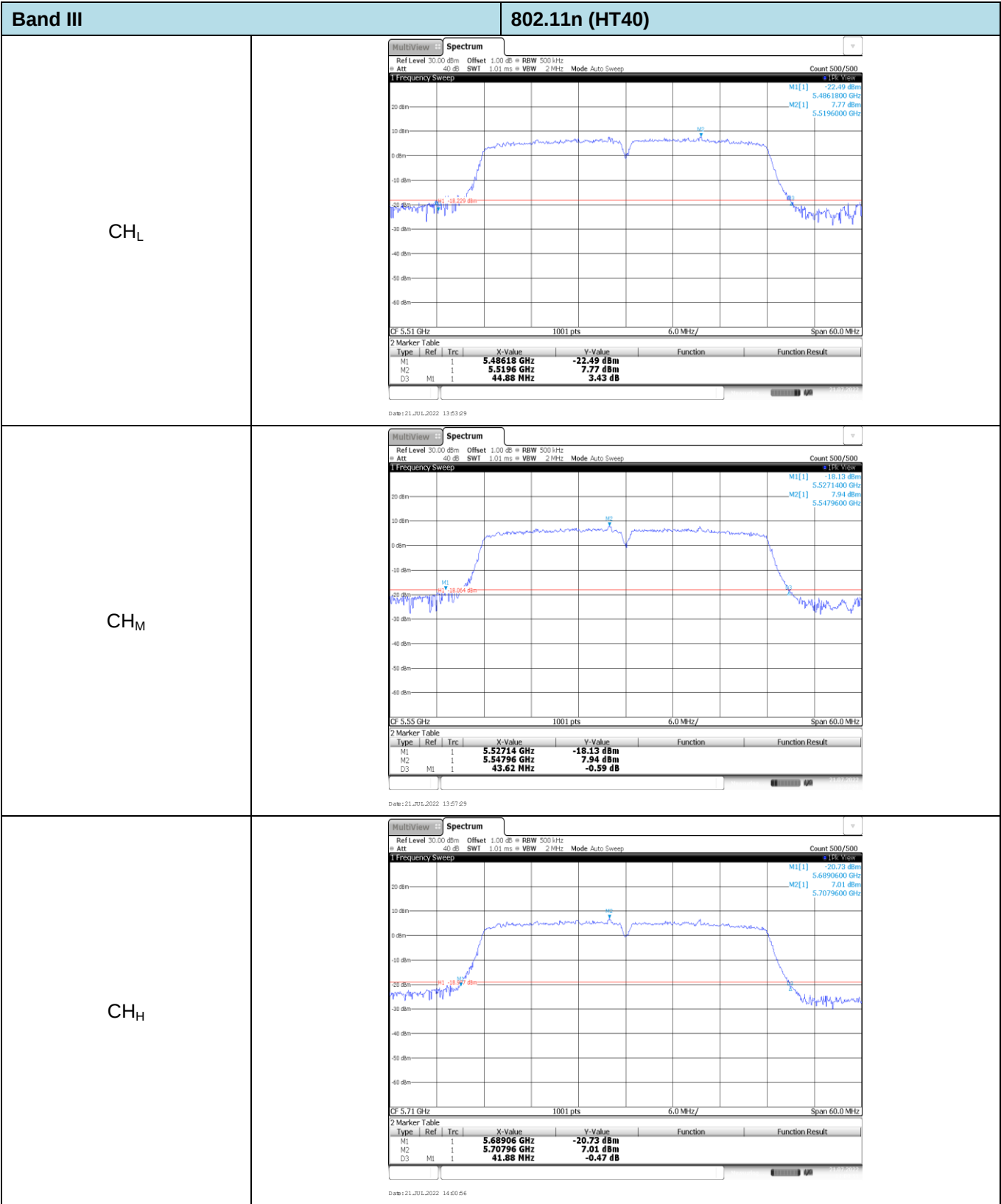


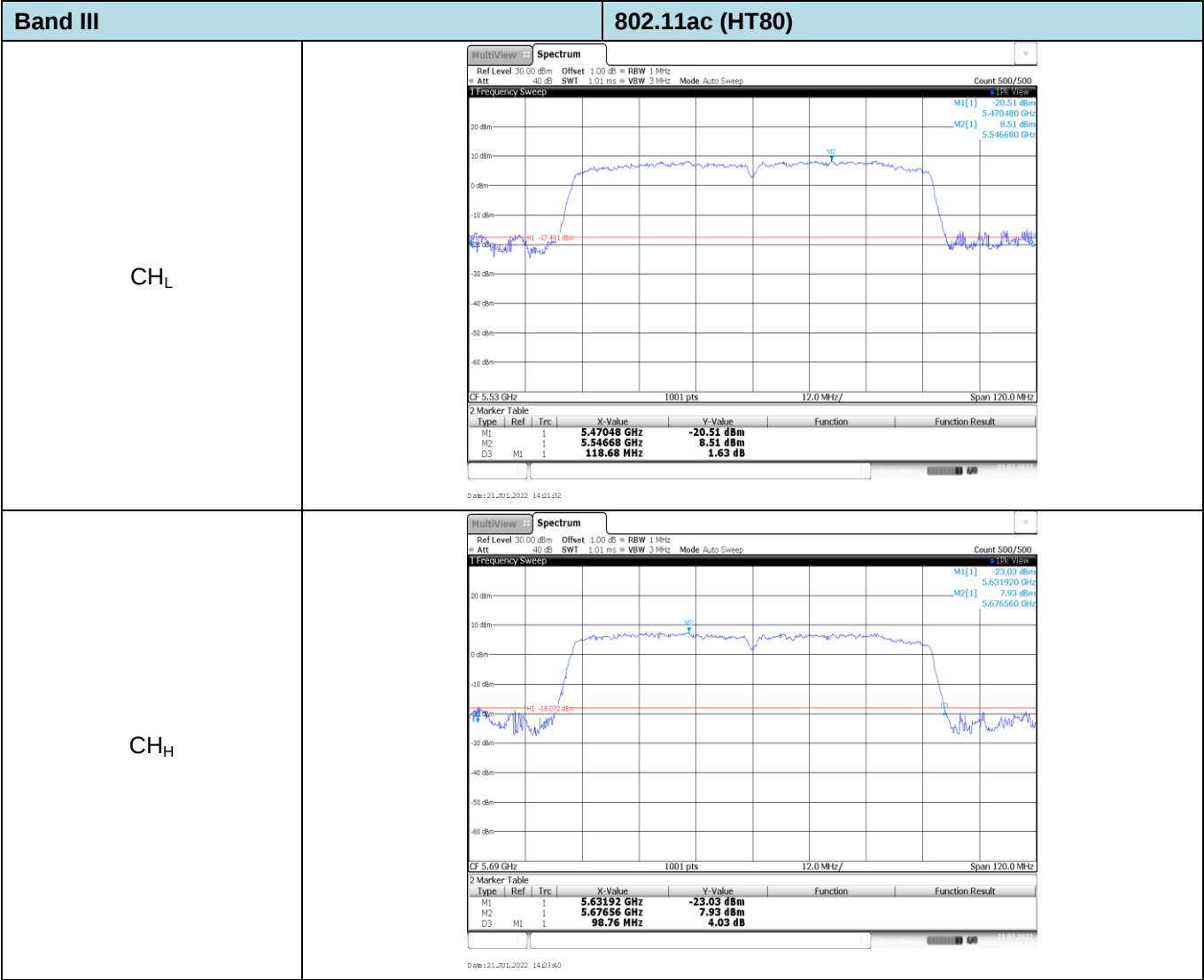












Appendix D: 99% Occupy bandwidth

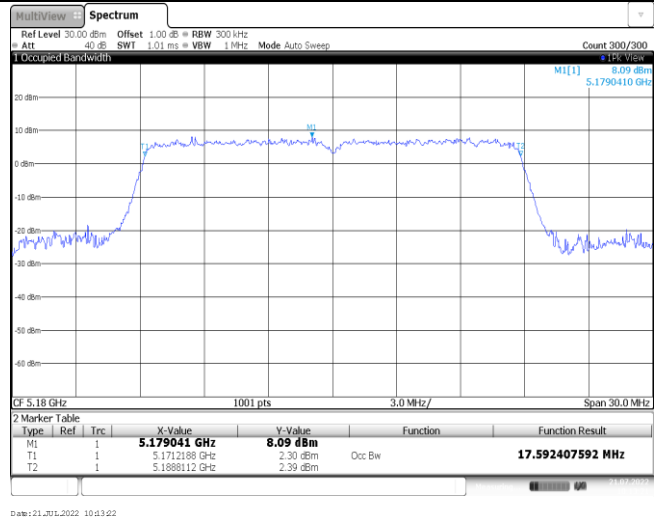
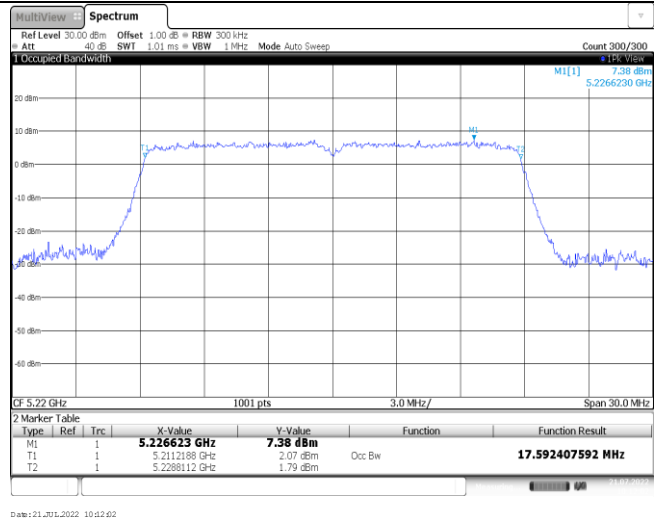
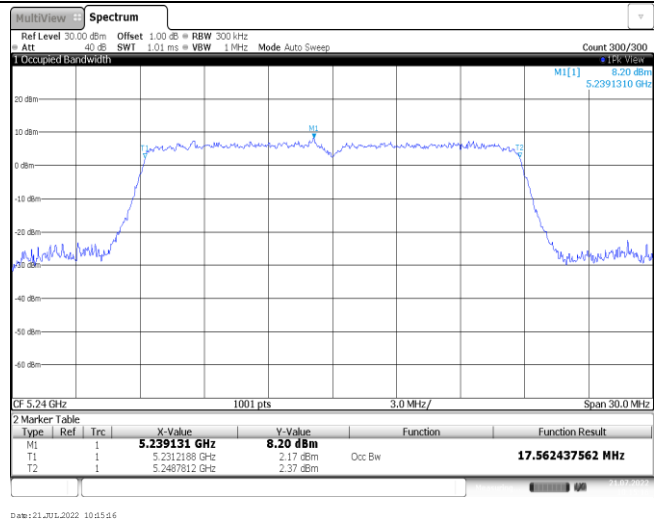
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.59	Pass
			CH _M	17.59	
			CH _H	17.56	
		802.11n	CH _L	16.48	Pass
			CH _M	16.42	
			CH _H	16.45	
		802.11a	CH _L	16.51	Pass
			CH _M	16.45	
			CH _H	16.45	
	40	802.11ac	CH _L	36.26	Pass
			CH _H	36.20	
		802.11n	CH _L	36.26	Pass
			CH _H	36.26	
	80	802.11ac	CH _M	75.05	Pass
II	20	802.11ac	CH _L	17.56	Pass
			CH _M	17.56	
			CH _H	17.56	
		802.11n	CH _L	17.59	Pass
			CH _M	17.59	
			CH _H	17.56	
		802.11a	CH _L	16.48	Pass
			CH _M	16.51	
			CH _H	16.45	
	40	802.11ac	CH _L	36.26	Pass
			CH _H	36.14	
		802.11n	CH _L	36.26	Pass
			CH _H	36.26	
	80	802.11ac	CH _M	75.05	Pass

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	17.59	Pass
			CH _M	17.59	
			CH _H	17.59	
		802.11n	CH _L	17.59	Pass
			CH _M	17.59	
			CH _H	17.56	
		802.11a	CH _L	16.51	Pass
			CH _M	16.51	
			CH _H	16.48	
	40	802.11ac	CH _L	36.26	Pass
			CH _M	36.26	
			CH _H	36.26	
		802.11n	CH _L	36.26	Pass
			CH _M	36.32	
			CH _H	36.32	
	80	802.11ac	CH _L	75.29	Pass
			CH _H	75.29	

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.68	Pass
			CH _M	17.77	
			CH _H	17.86	
		802.11n	CH _L	17.71	Pass
			CH _M	17.80	
			CH _H	18.01	
		802.11a	CH _L	16.51	Pass
			CH _M	16.66	
			CH _H	16.78	
	40	802.11ac	CH _L	36.56	Pass
			CH _H	36.56	
		802.11n	CH _L	36.47	Pass
			CH _H	36.64	
	80	802.11ac	CH _M	77.20	Pass

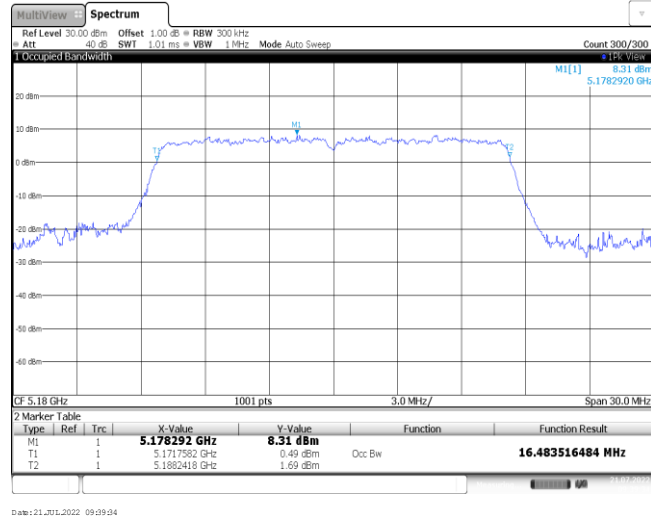
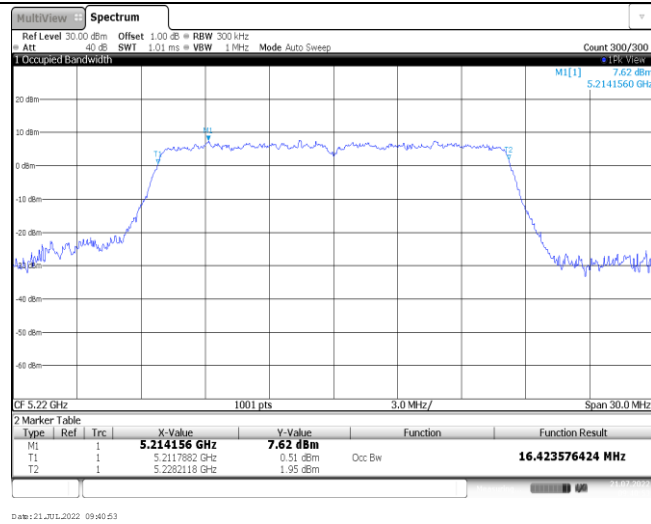
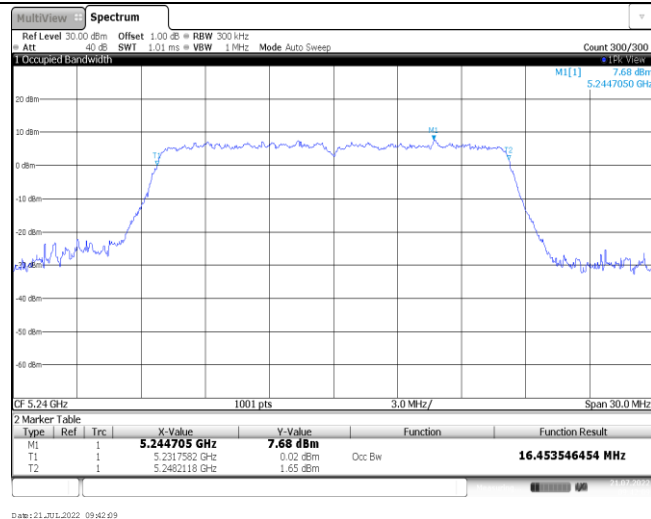
Band I

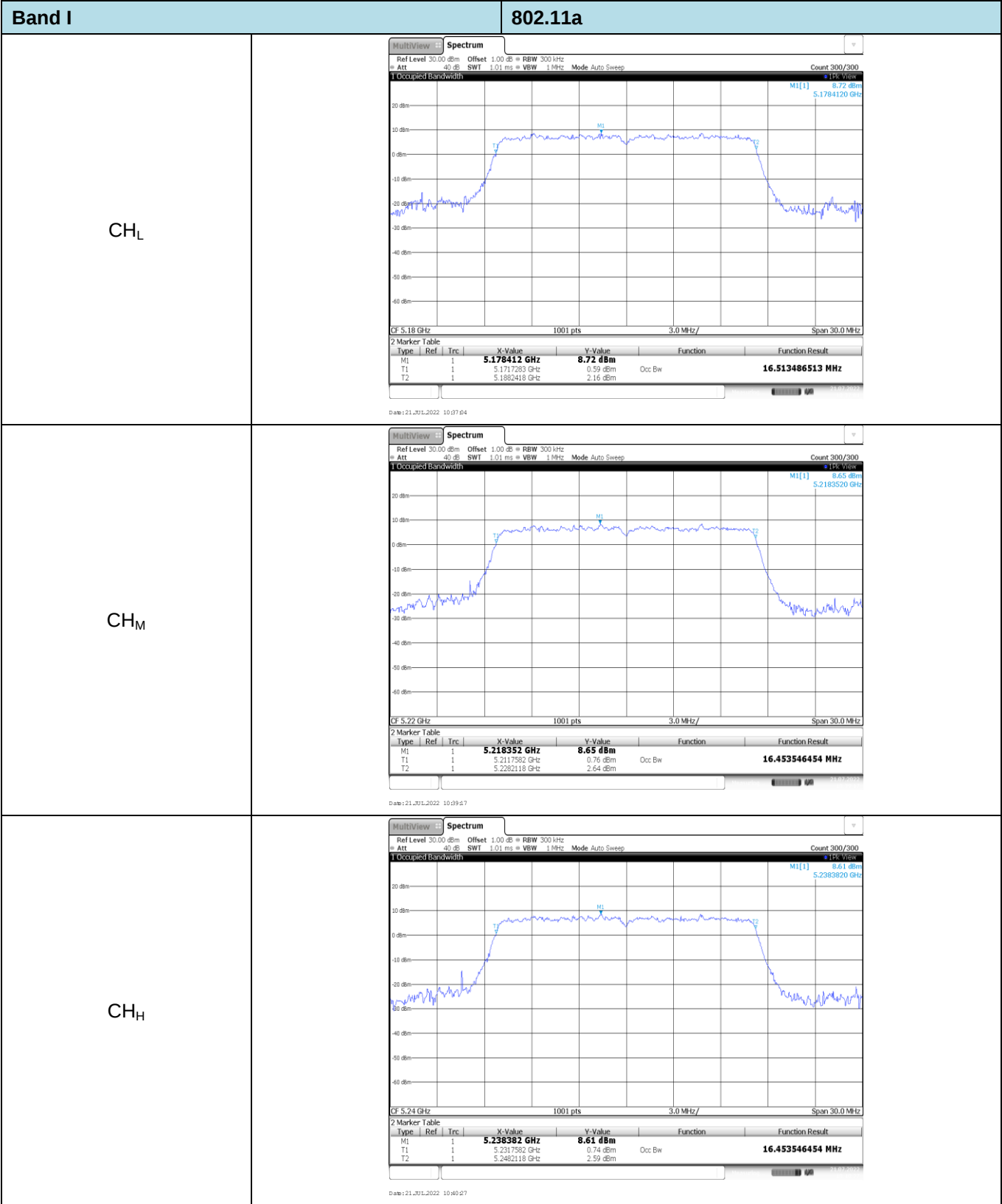
802.11ac (HT20)

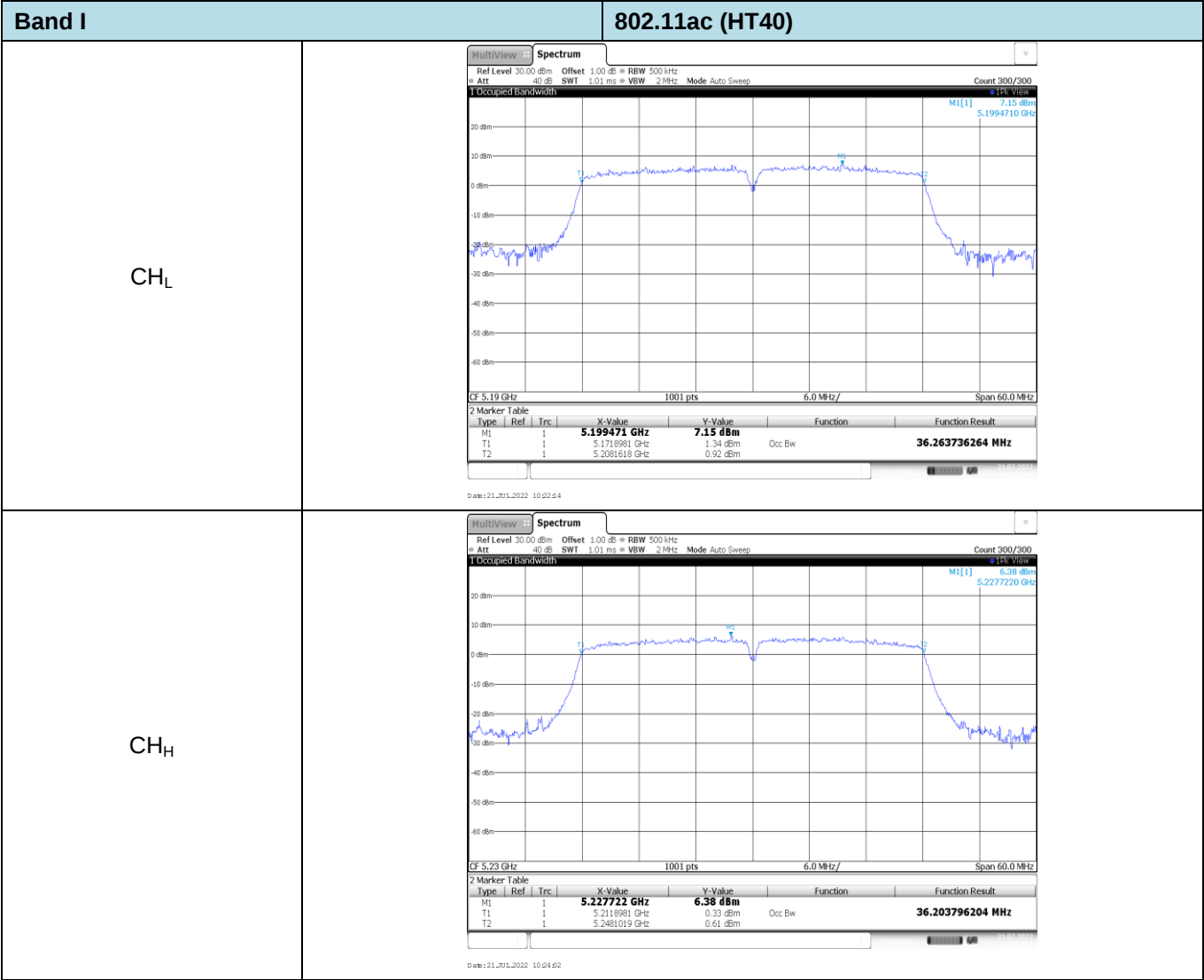
CH_LCH_MCH_H

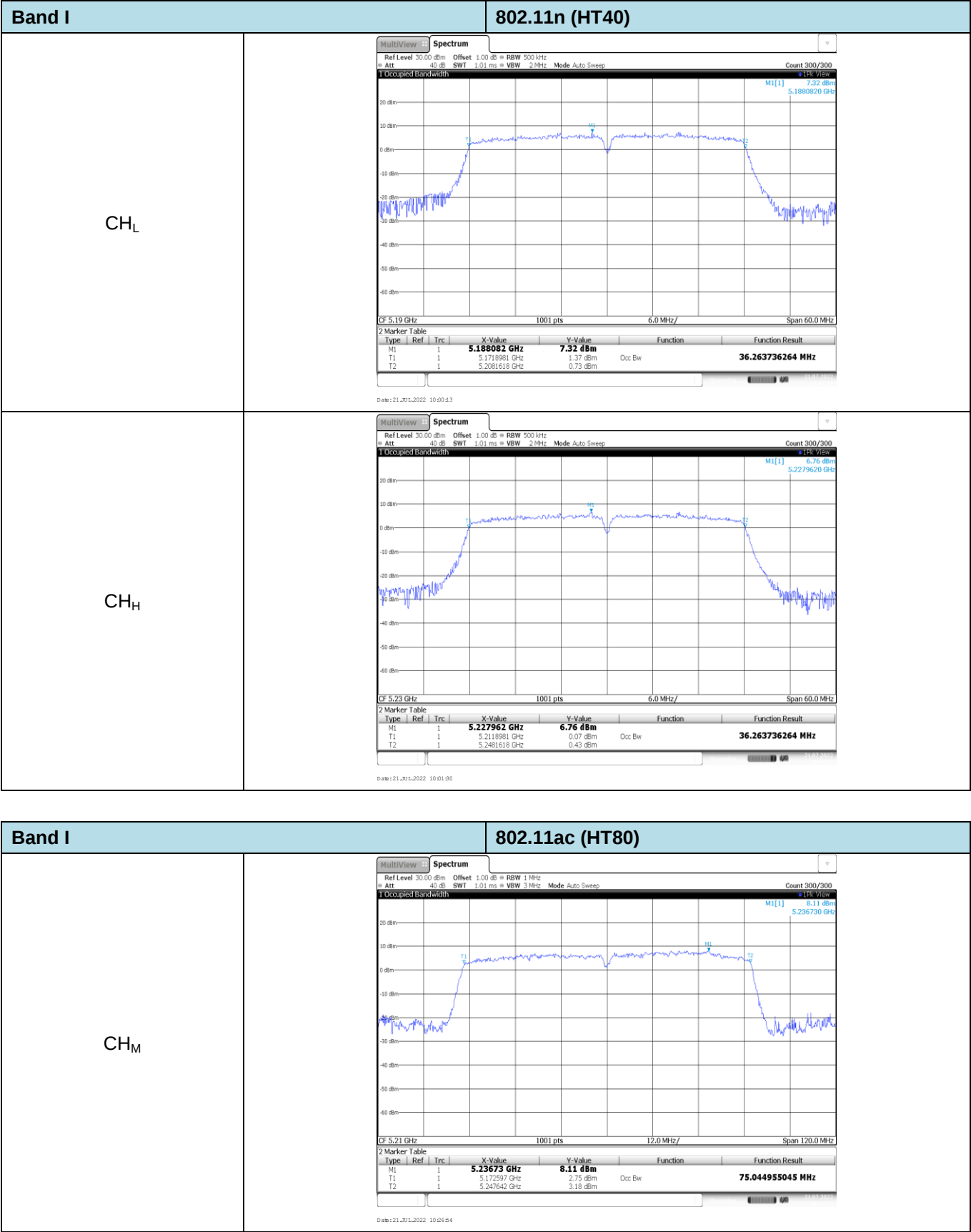
Band I

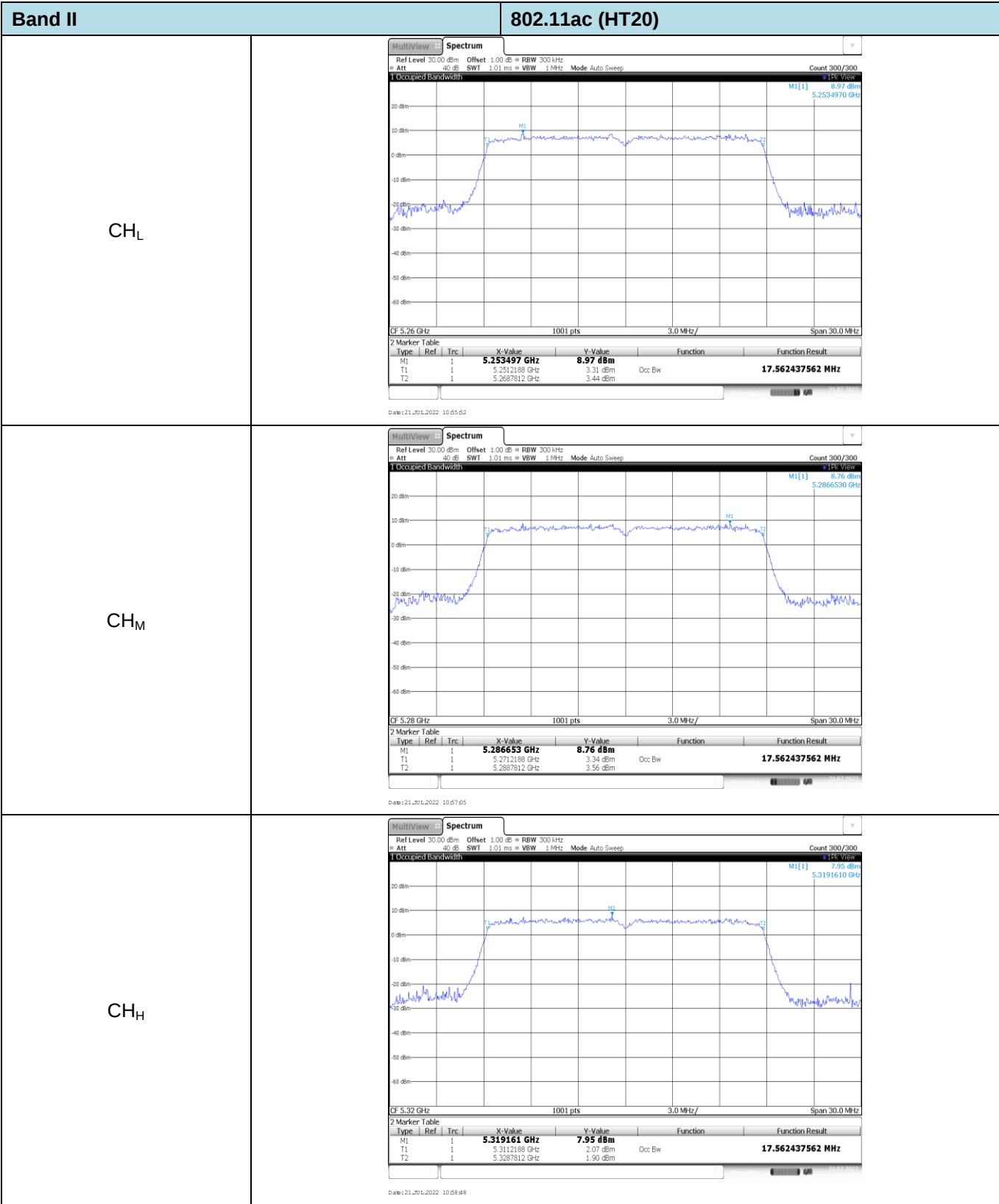
802.11n (HT20)

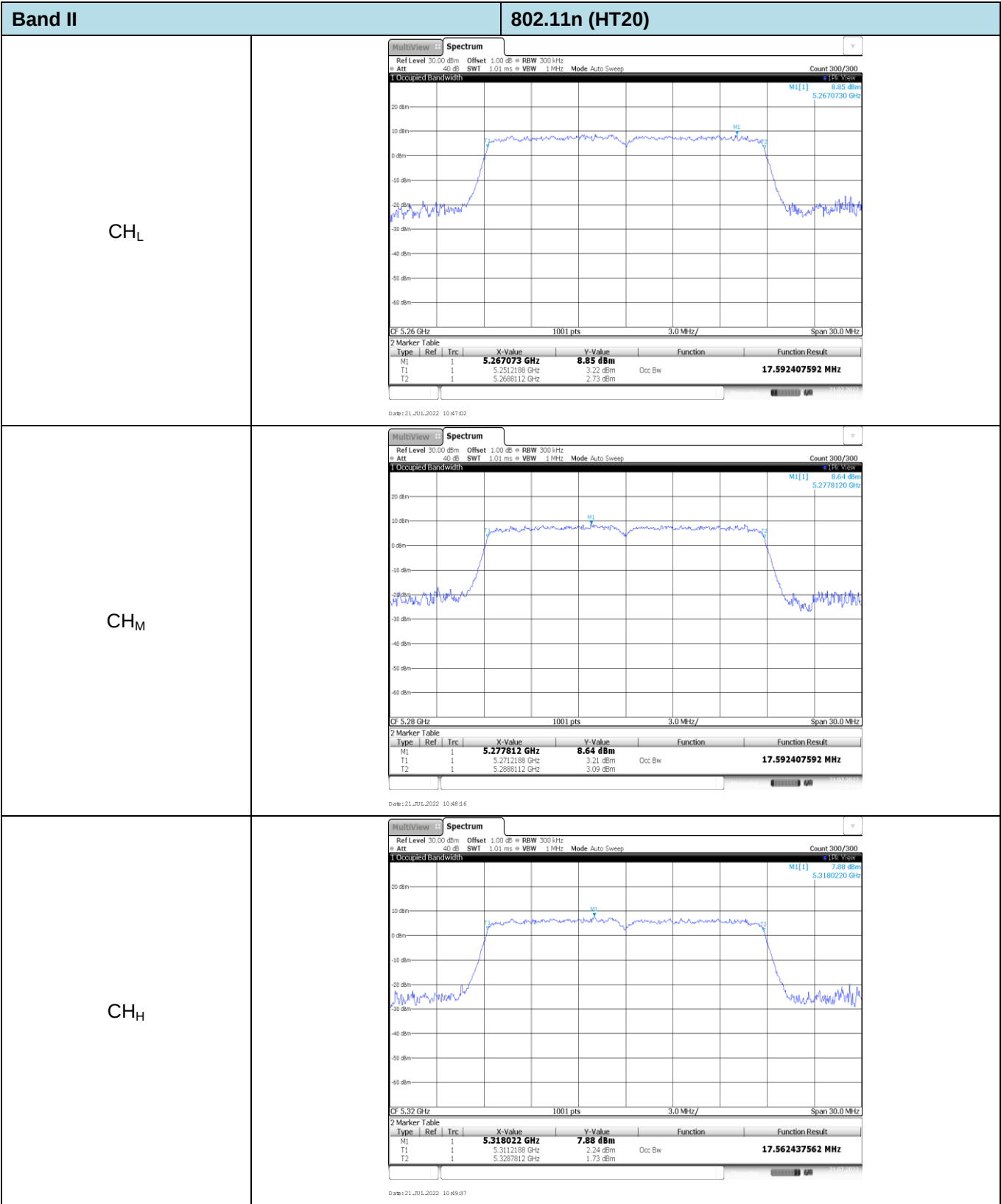
CH_LCH_MCH_H

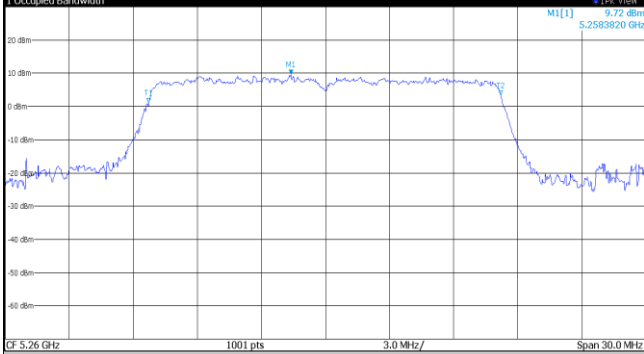
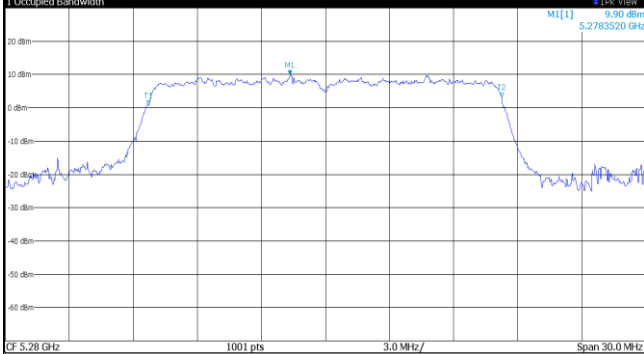
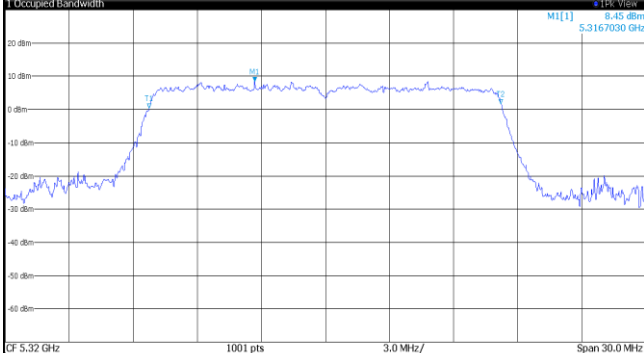


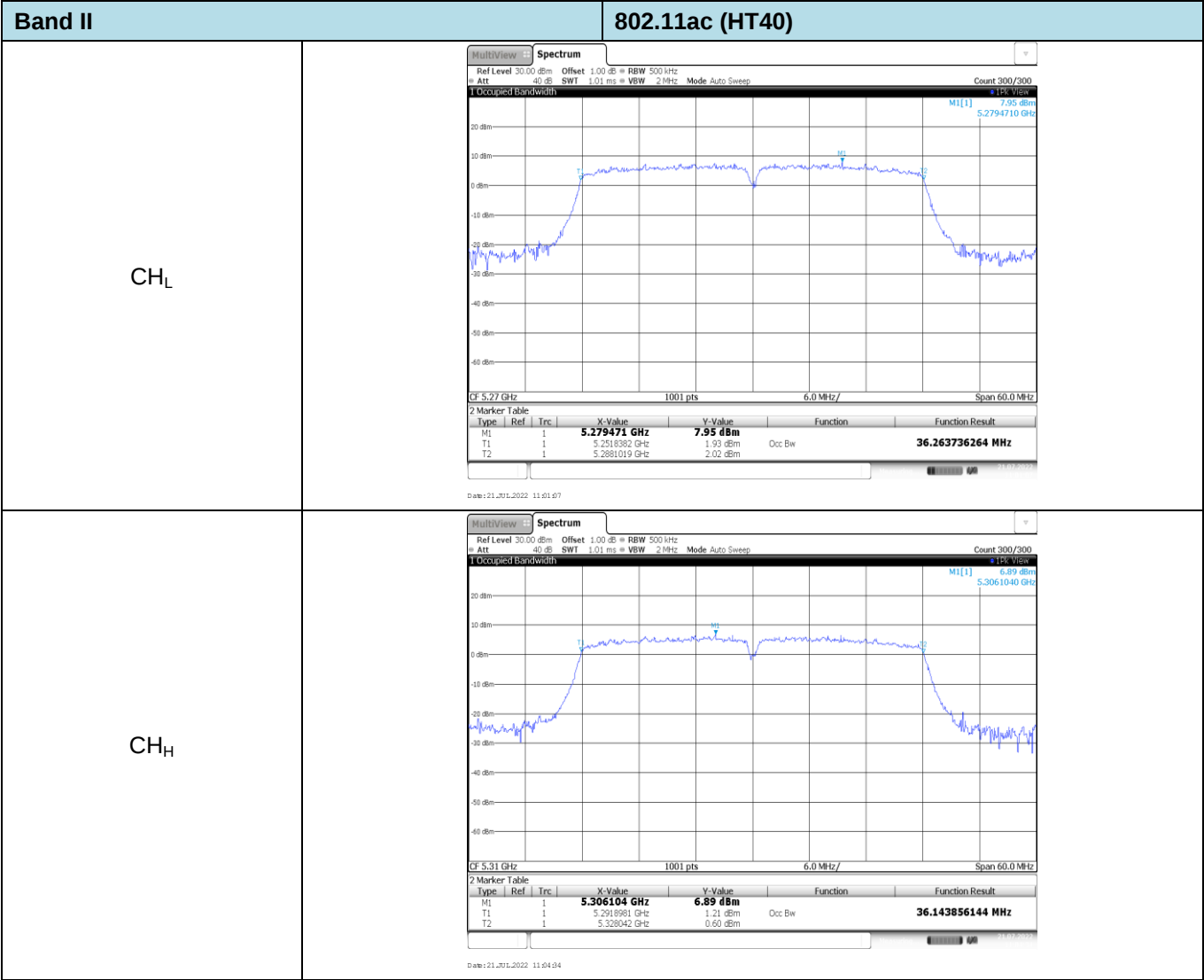


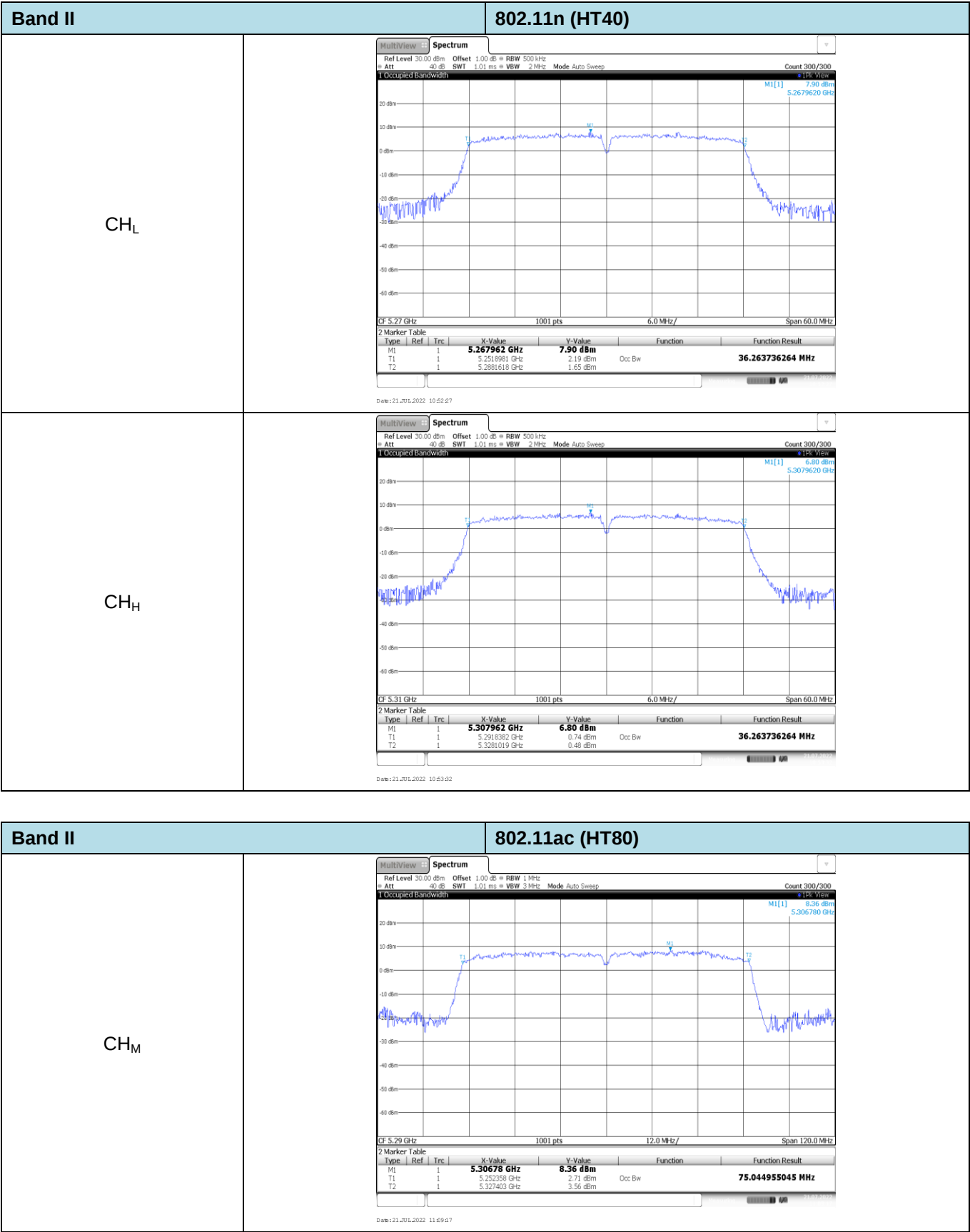


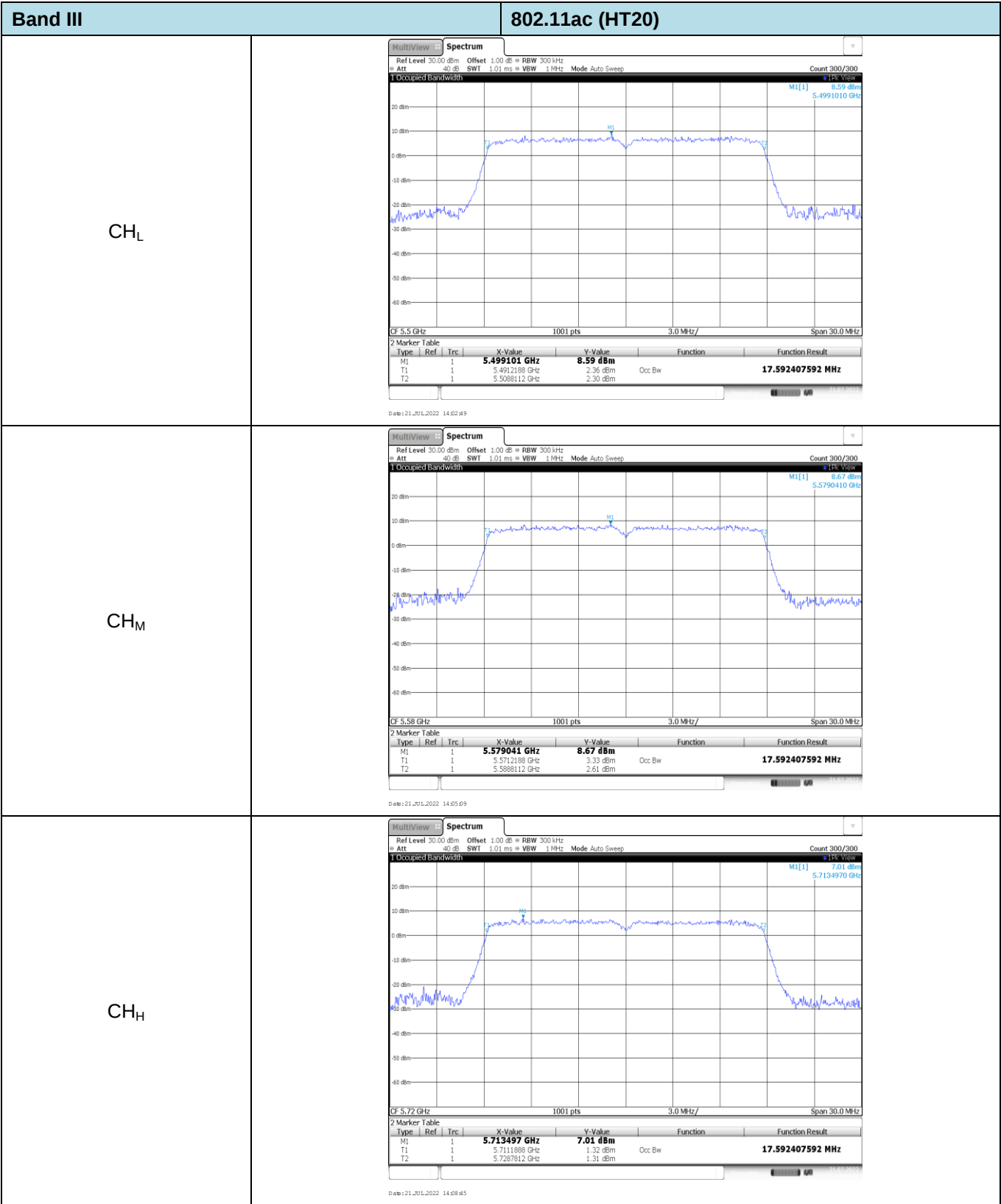


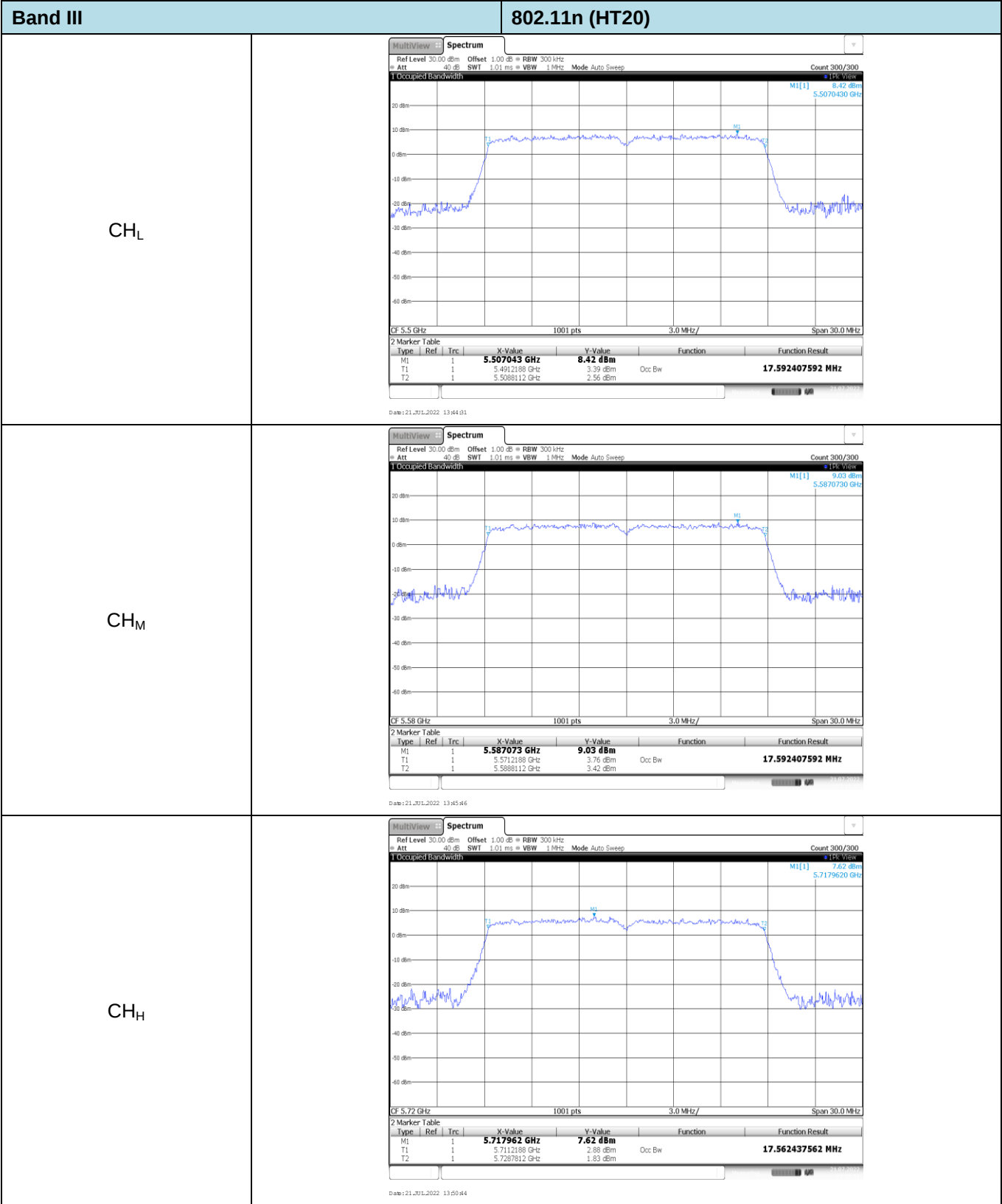


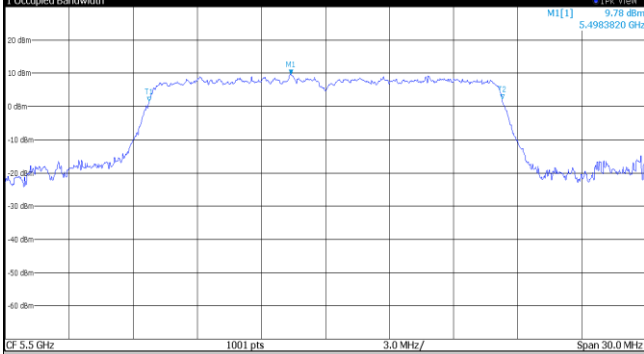
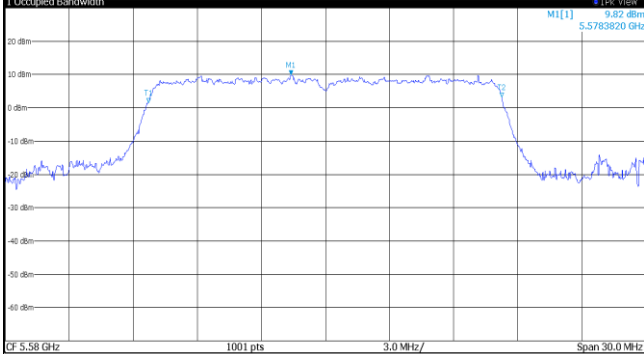
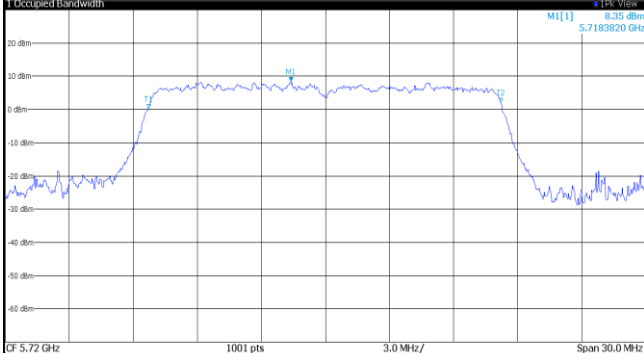
Band II		802.11a																											
CH _L	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att -40 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300 15% View 1 Occupied Bandwidth  CF 5.26 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><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>5.258382 GHz</td><td>9.72 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2517283 GHz</td><td>1.06 dBm</td><td>Occ Bw</td><td>16.483516484 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2682118 GHz</td><td>3.41 dBm</td><td></td><td></td></tr></table> Date: 21_JUL_2022 11:11:49	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.258382 GHz	9.72 dBm			T1	1		5.2517283 GHz	1.06 dBm	Occ Bw	16.483516484 MHz	T2	1		5.2682118 GHz	3.41 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.258382 GHz	9.72 dBm																									
T1	1		5.2517283 GHz	1.06 dBm	Occ Bw	16.483516484 MHz																							
T2	1		5.2682118 GHz	3.41 dBm																									
CH _M	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att -40 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300 15% View 1 Occupied Bandwidth  CF 5.28 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz <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>5.278352 GHz</td><td>9.90 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2717283 GHz</td><td>0.73 dBm</td><td>Occ Bw</td><td>16.513486513 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2882418 GHz</td><td>3.24 dBm</td><td></td><td></td></tr></table> Date: 21_JUL_2022 11:13:46	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.278352 GHz	9.90 dBm			T1	1		5.2717283 GHz	0.73 dBm	Occ Bw	16.513486513 MHz	T2	1		5.2882418 GHz	3.24 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.278352 GHz	9.90 dBm																									
T1	1		5.2717283 GHz	0.73 dBm	Occ Bw	16.513486513 MHz																							
T2	1		5.2882418 GHz	3.24 dBm																									
CH _H	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att -40 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300 15% View 1 Occupied Bandwidth  CF 5.32 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz <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>5.316703 GHz</td><td>8.45 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.3117582 GHz</td><td>0.47 dBm</td><td>Occ Bw</td><td>16.453546454 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.3282118 GHz</td><td>1.70 dBm</td><td></td><td></td></tr></table> Date: 21_JUL_2022 11:14:57	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.316703 GHz	8.45 dBm			T1	1		5.3117582 GHz	0.47 dBm	Occ Bw	16.453546454 MHz	T2	1		5.3282118 GHz	1.70 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.316703 GHz	8.45 dBm																									
T1	1		5.3117582 GHz	0.47 dBm	Occ Bw	16.453546454 MHz																							
T2	1		5.3282118 GHz	1.70 dBm																									

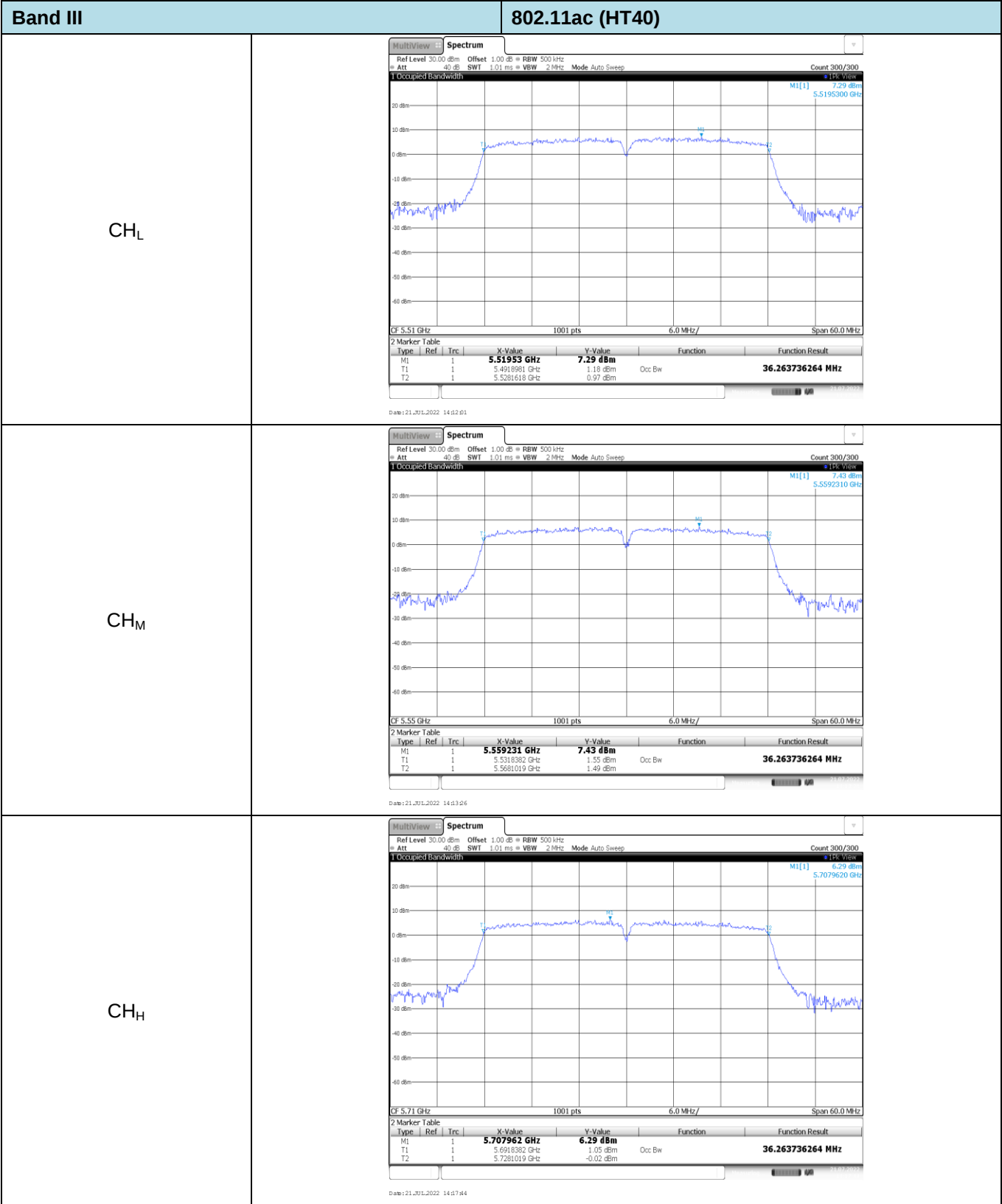


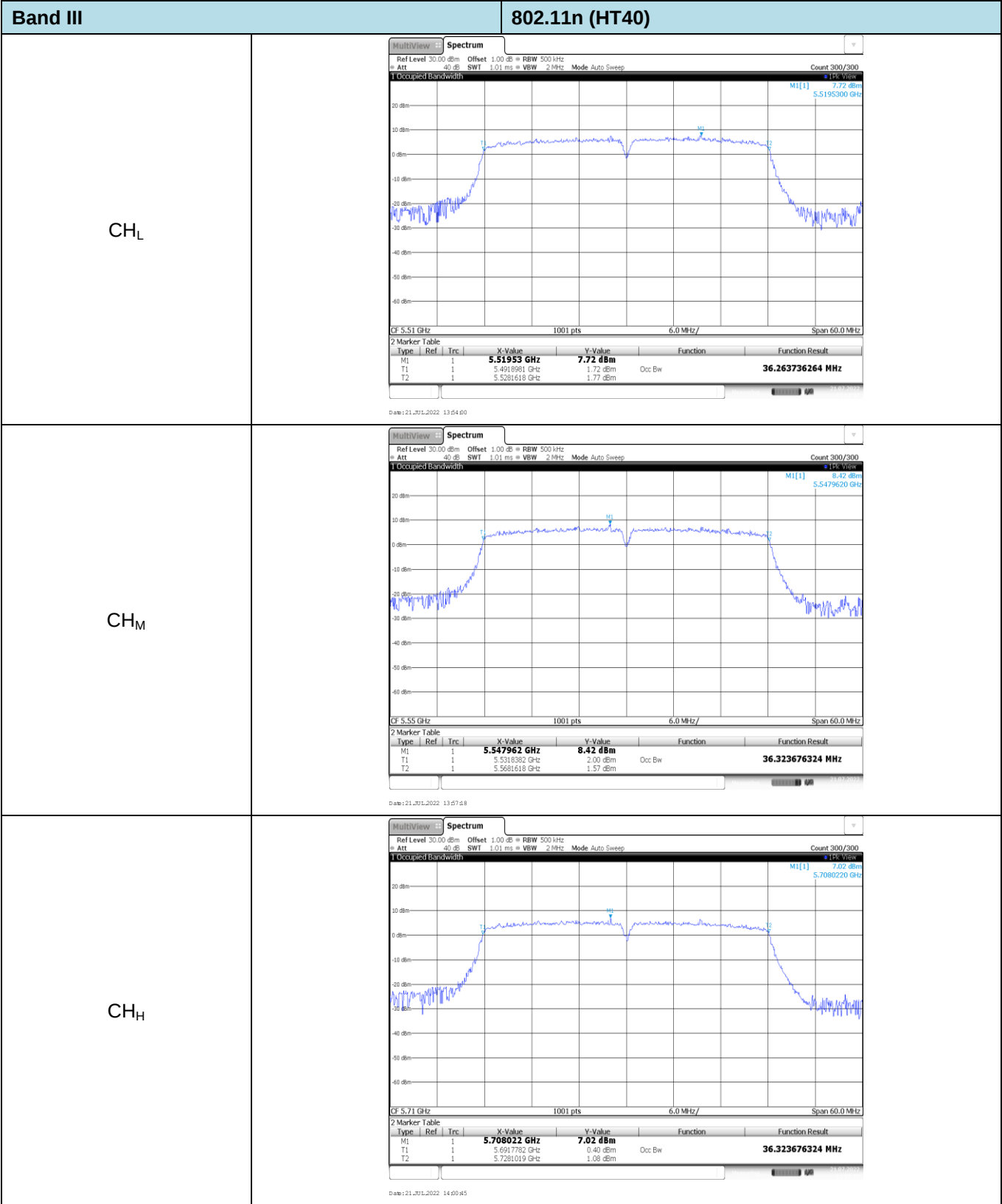


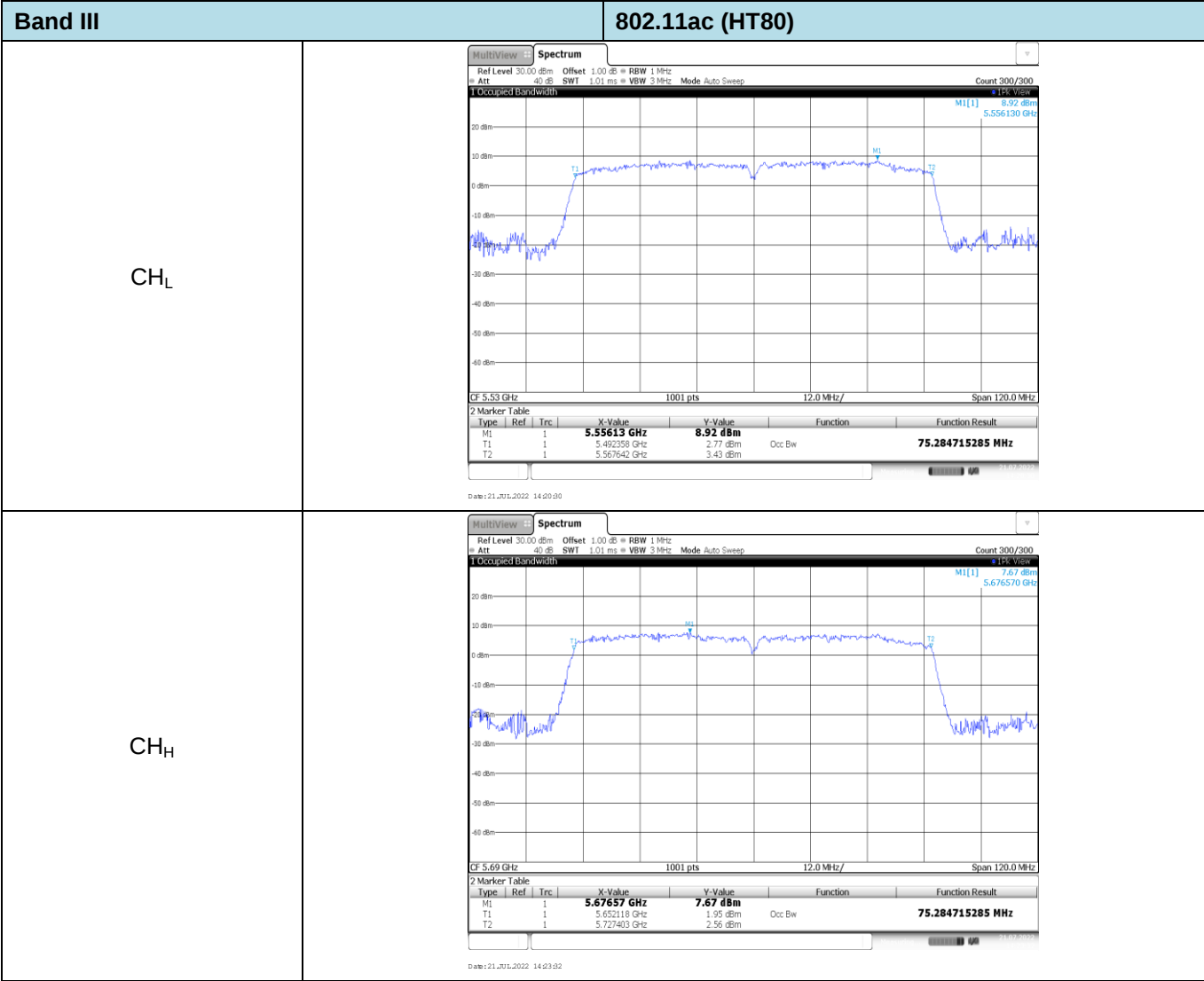


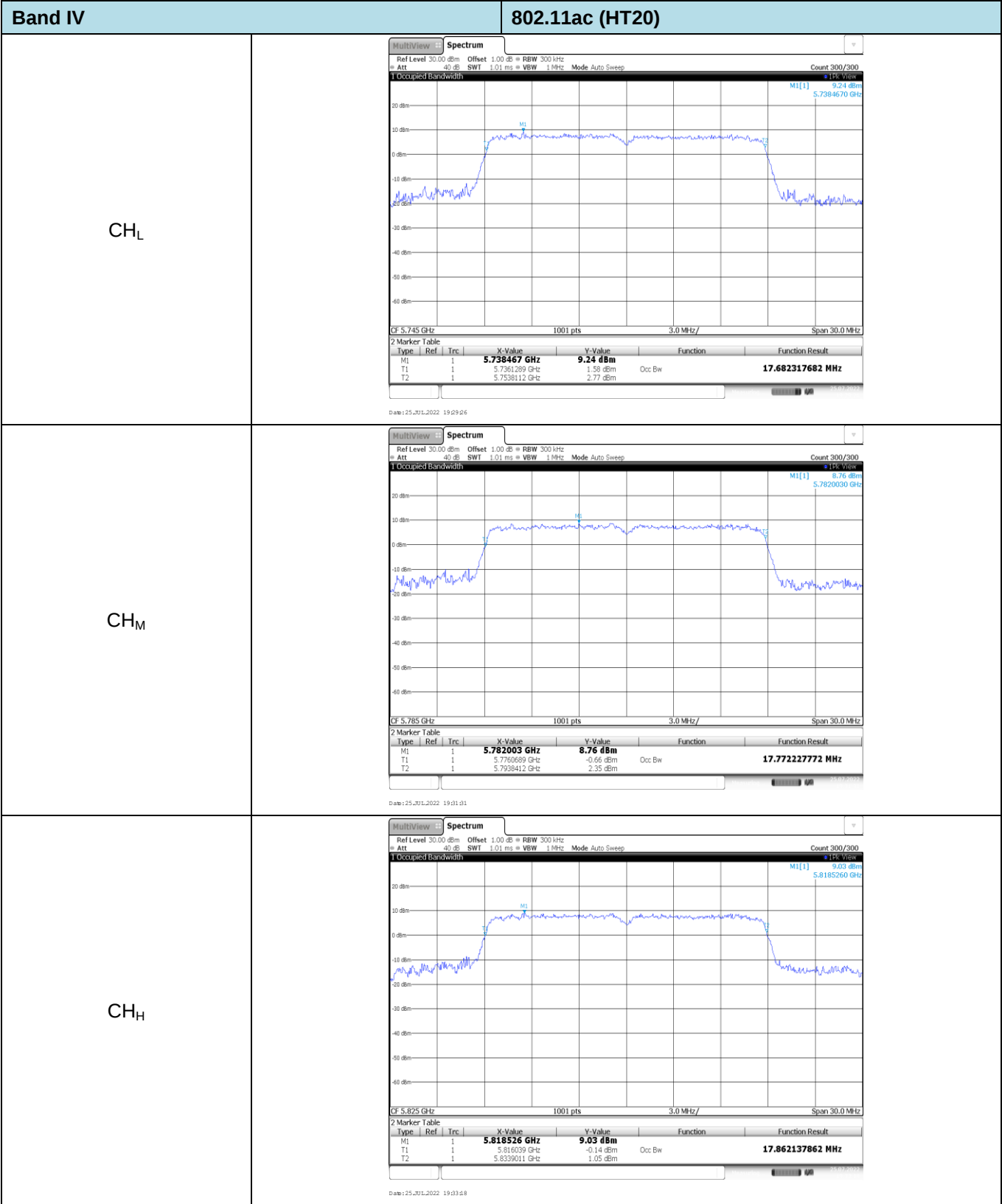


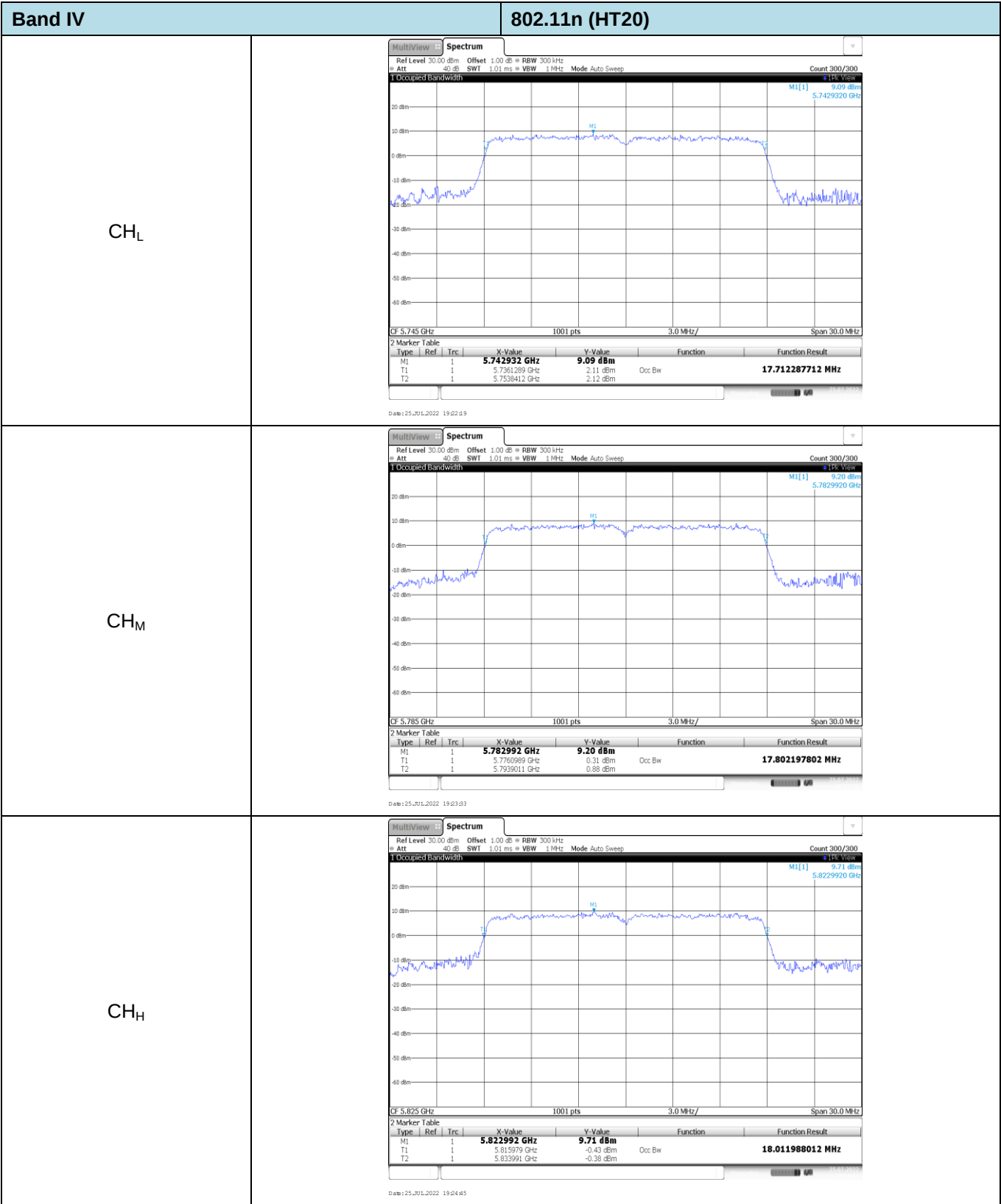
Band III		802.11a																												
CH _L	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att -40 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300 15% View 1 Occupied Bandwidth  CF 5.5 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><tr><th>Type</th><th>Ref</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>5.498382 GHz</td><td>9.78 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.4917582 GHz</td><td>1.49 dBm</td><td>Occ Bw</td><td>16.513486513 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.5082717 GHz</td><td>2.32 dBm</td><td></td><td></td></tr></table> Date: 21_JUL_2022 13:36:42		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.498382 GHz	9.78 dBm			T1	1		5.4917582 GHz	1.49 dBm	Occ Bw	16.513486513 MHz	T2	1		5.5082717 GHz	2.32 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.498382 GHz	9.78 dBm																										
T1	1		5.4917582 GHz	1.49 dBm	Occ Bw	16.513486513 MHz																								
T2	1		5.5082717 GHz	2.32 dBm																										
CH _M	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att -40 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300 15% View 1 Occupied Bandwidth  CF 5.58 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <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>5.578382 GHz</td><td>9.82 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.5717283 GHz</td><td>1.51 dBm</td><td>Occ Bw</td><td>16.513486513 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.5882418 GHz</td><td>3.27 dBm</td><td></td><td></td></tr></table> Date: 21_JUL_2022 13:39:00		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.578382 GHz	9.82 dBm			T1	1		5.5717283 GHz	1.51 dBm	Occ Bw	16.513486513 MHz	T2	1		5.5882418 GHz	3.27 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.578382 GHz	9.82 dBm																										
T1	1		5.5717283 GHz	1.51 dBm	Occ Bw	16.513486513 MHz																								
T2	1		5.5882418 GHz	3.27 dBm																										
CH _H	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 300 kHz Att -40 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300 15% View 1 Occupied Bandwidth  CF 5.72 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <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>5.718382 GHz</td><td>8.35 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.7117283 GHz</td><td>0.15 dBm</td><td>Occ Bw</td><td>16.483516484 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.7282118 GHz</td><td>2.05 dBm</td><td></td><td></td></tr></table> Date: 21_JUL_2022 13:42:49		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.718382 GHz	8.35 dBm			T1	1		5.7117283 GHz	0.15 dBm	Occ Bw	16.483516484 MHz	T2	1		5.7282118 GHz	2.05 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.718382 GHz	8.35 dBm																										
T1	1		5.7117283 GHz	0.15 dBm	Occ Bw	16.483516484 MHz																								
T2	1		5.7282118 GHz	2.05 dBm																										

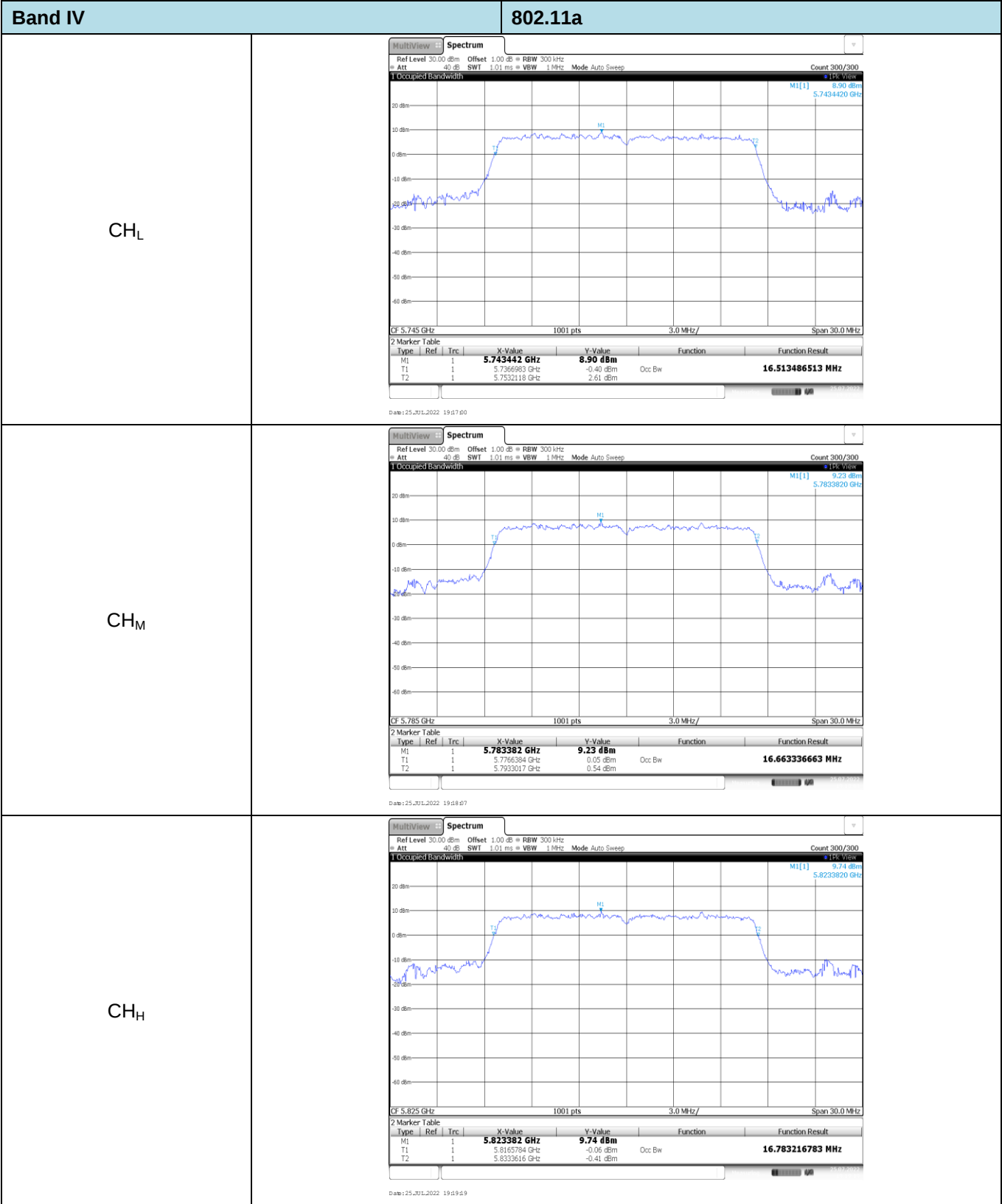


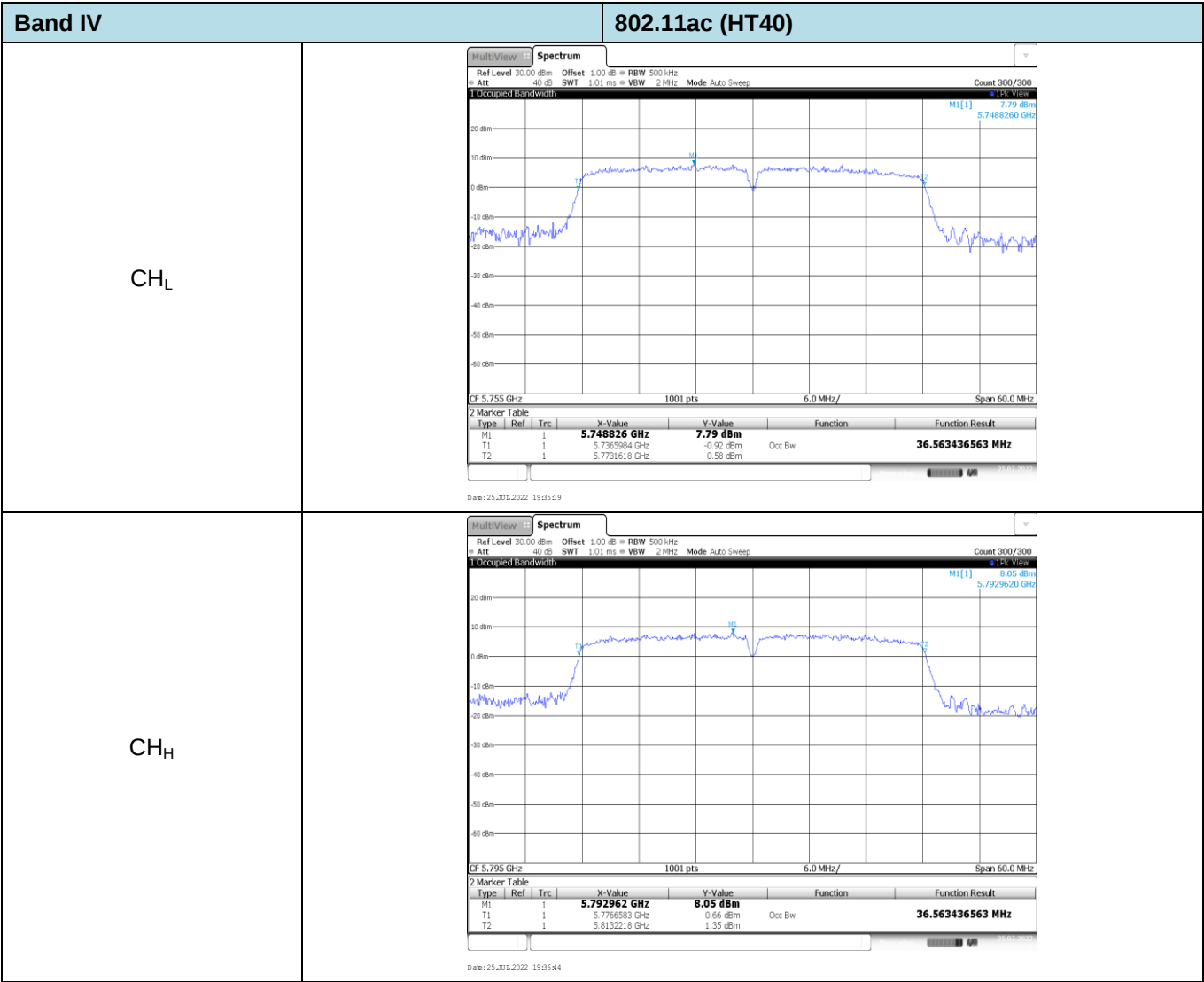


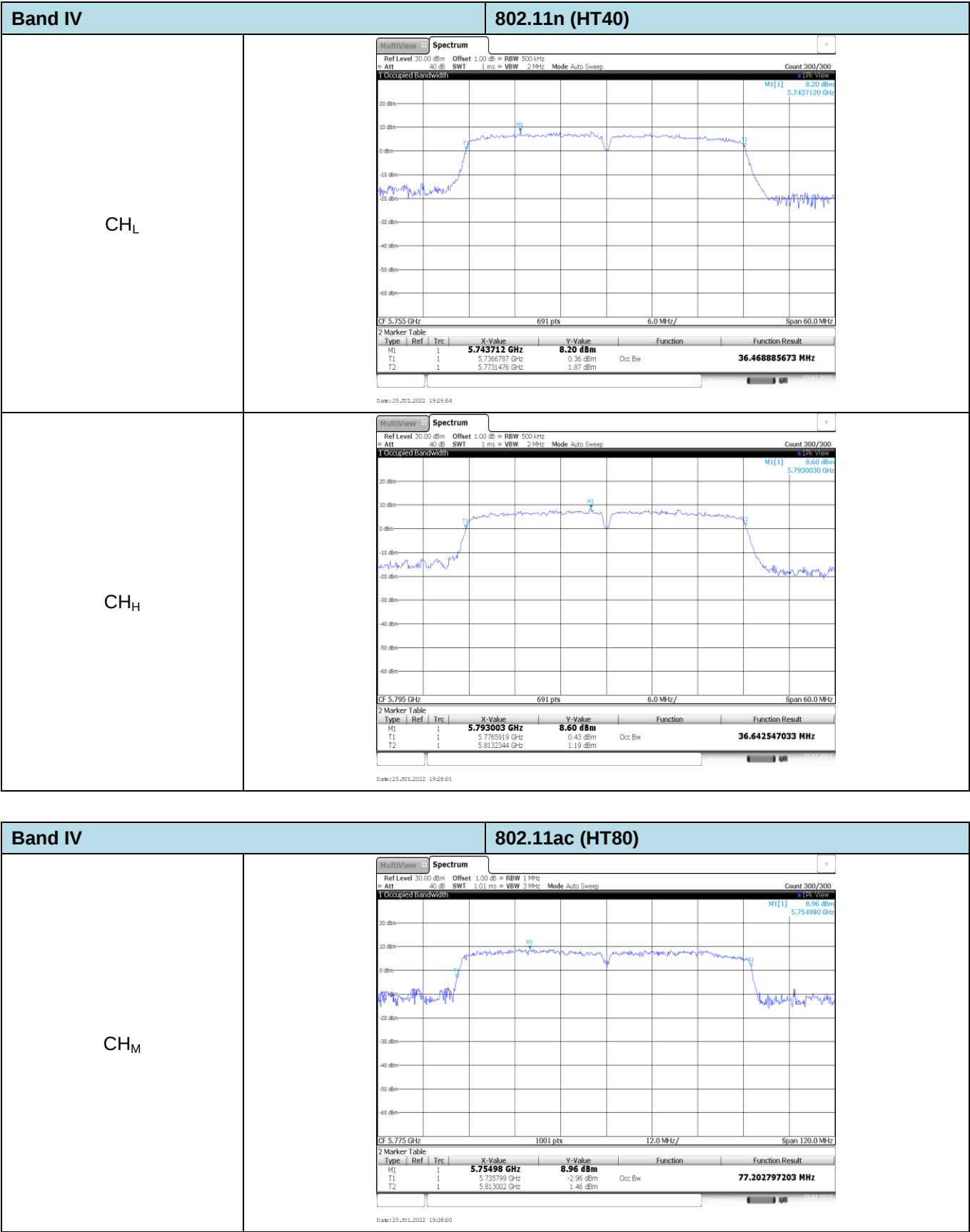






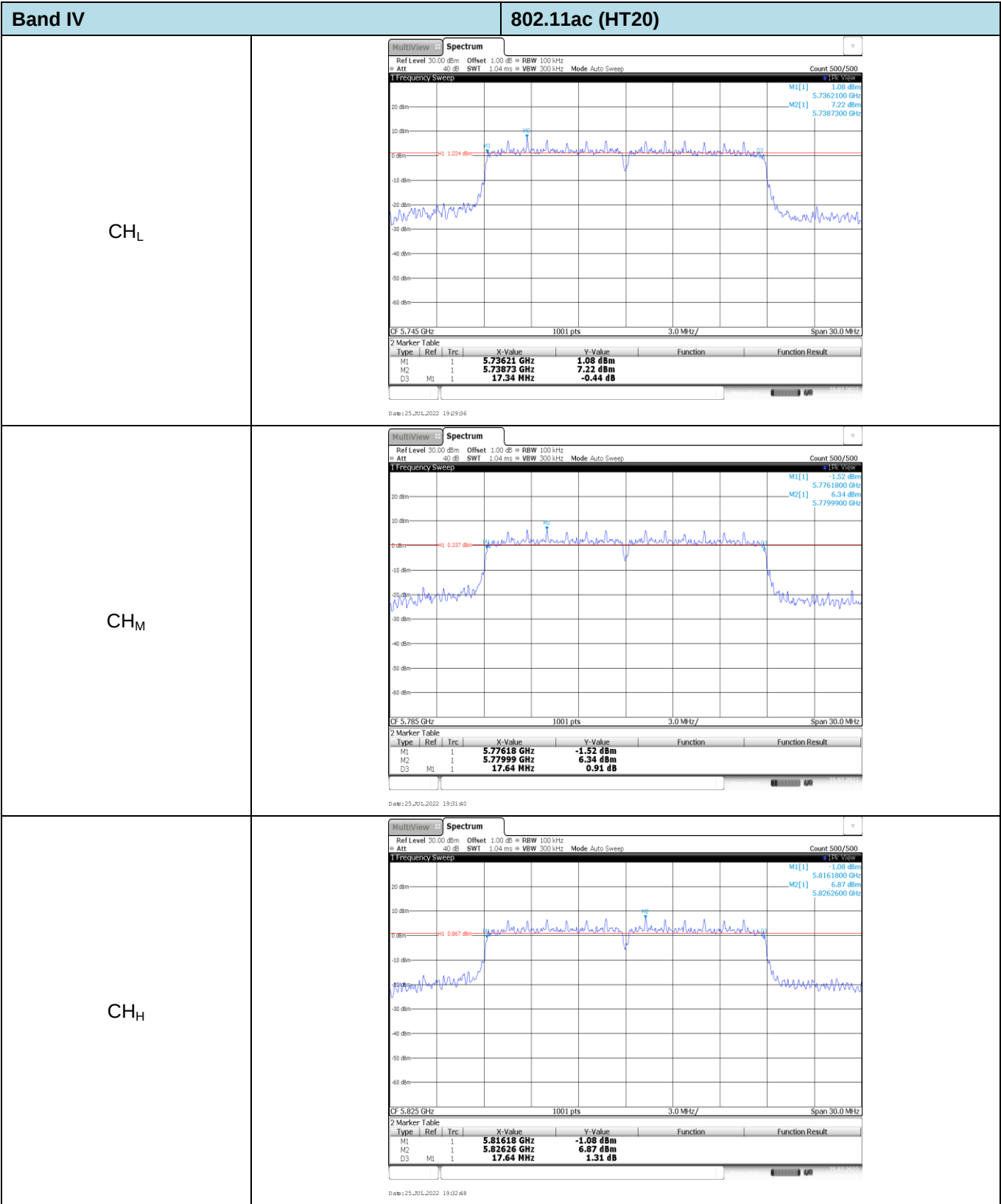


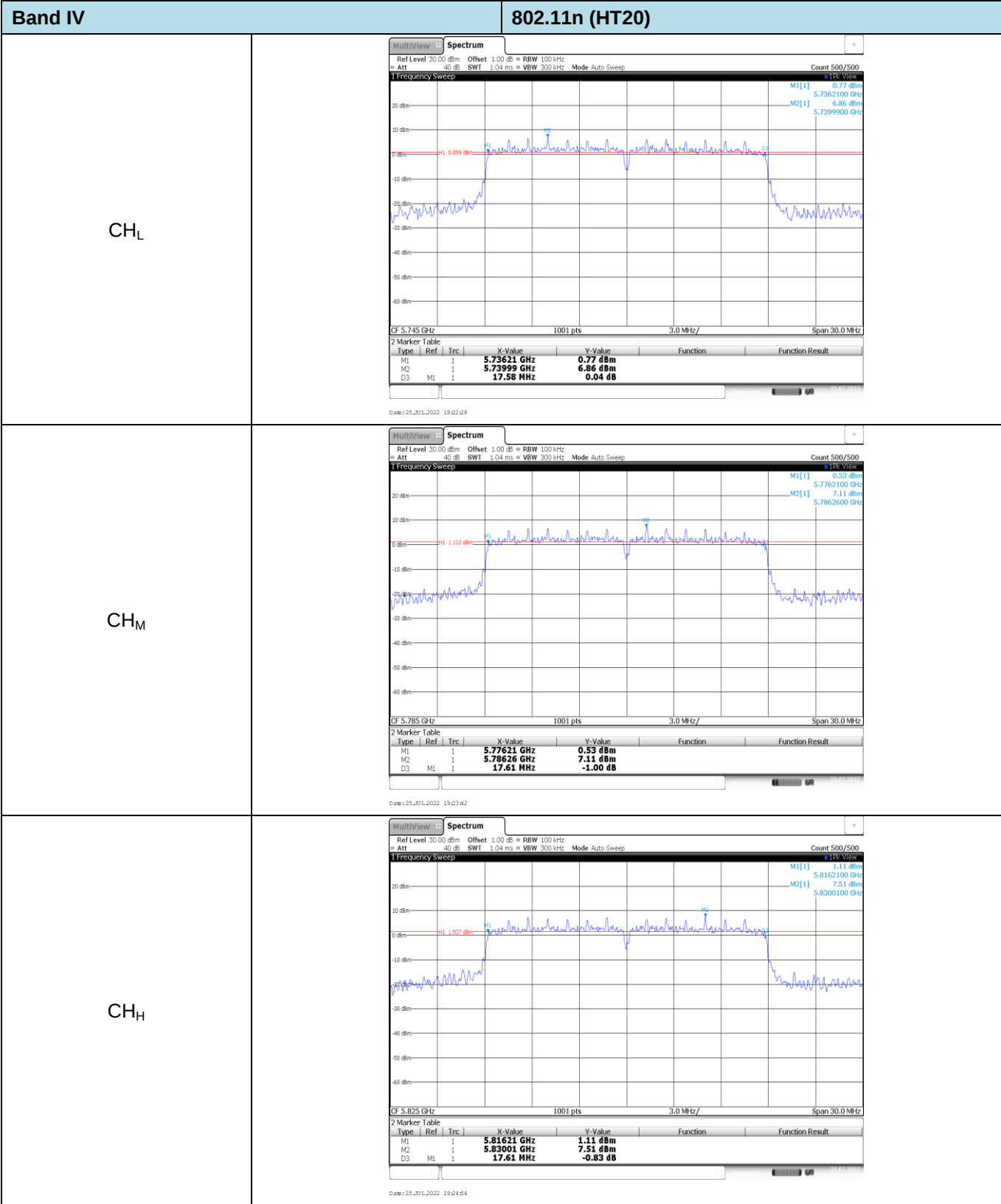


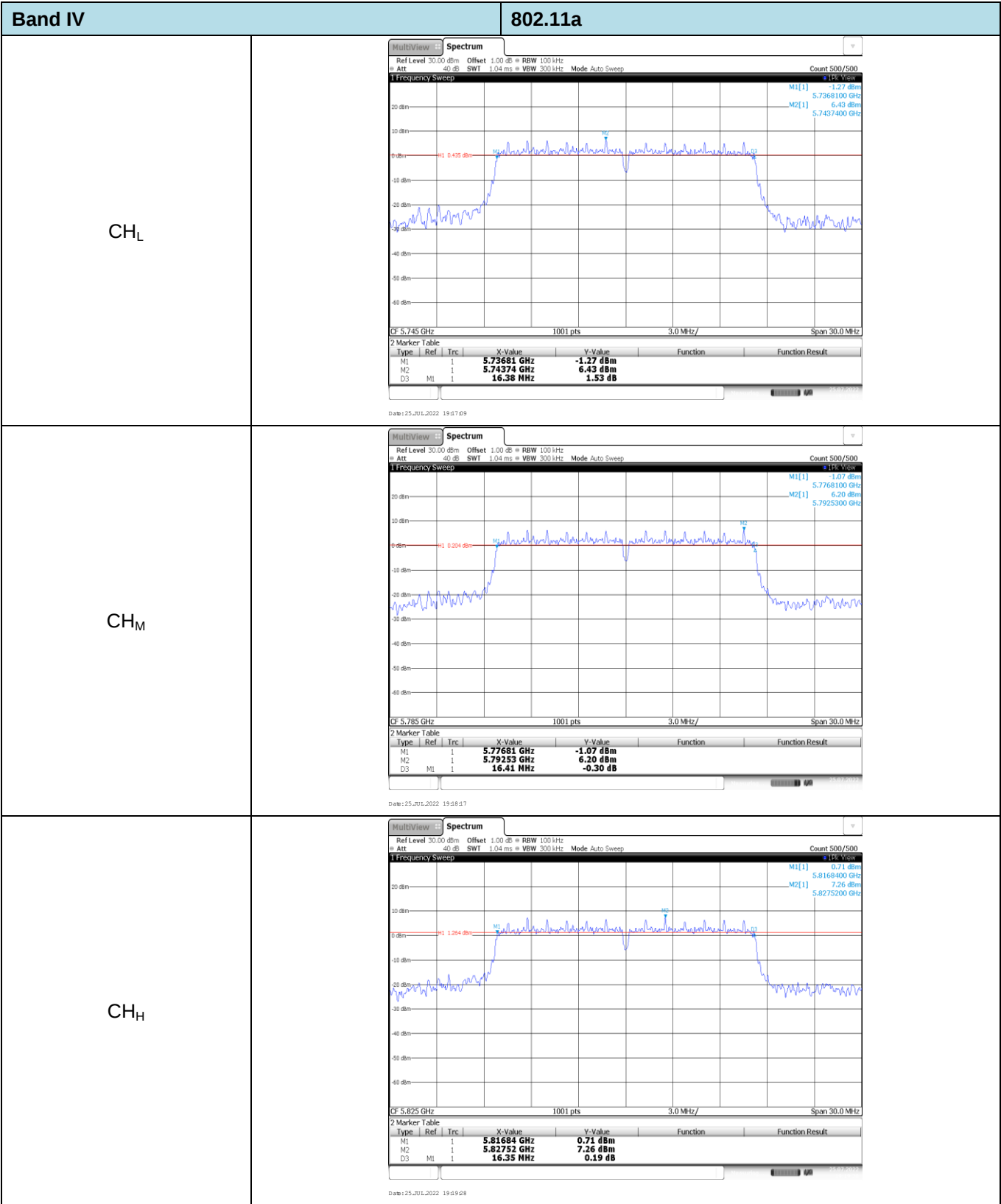


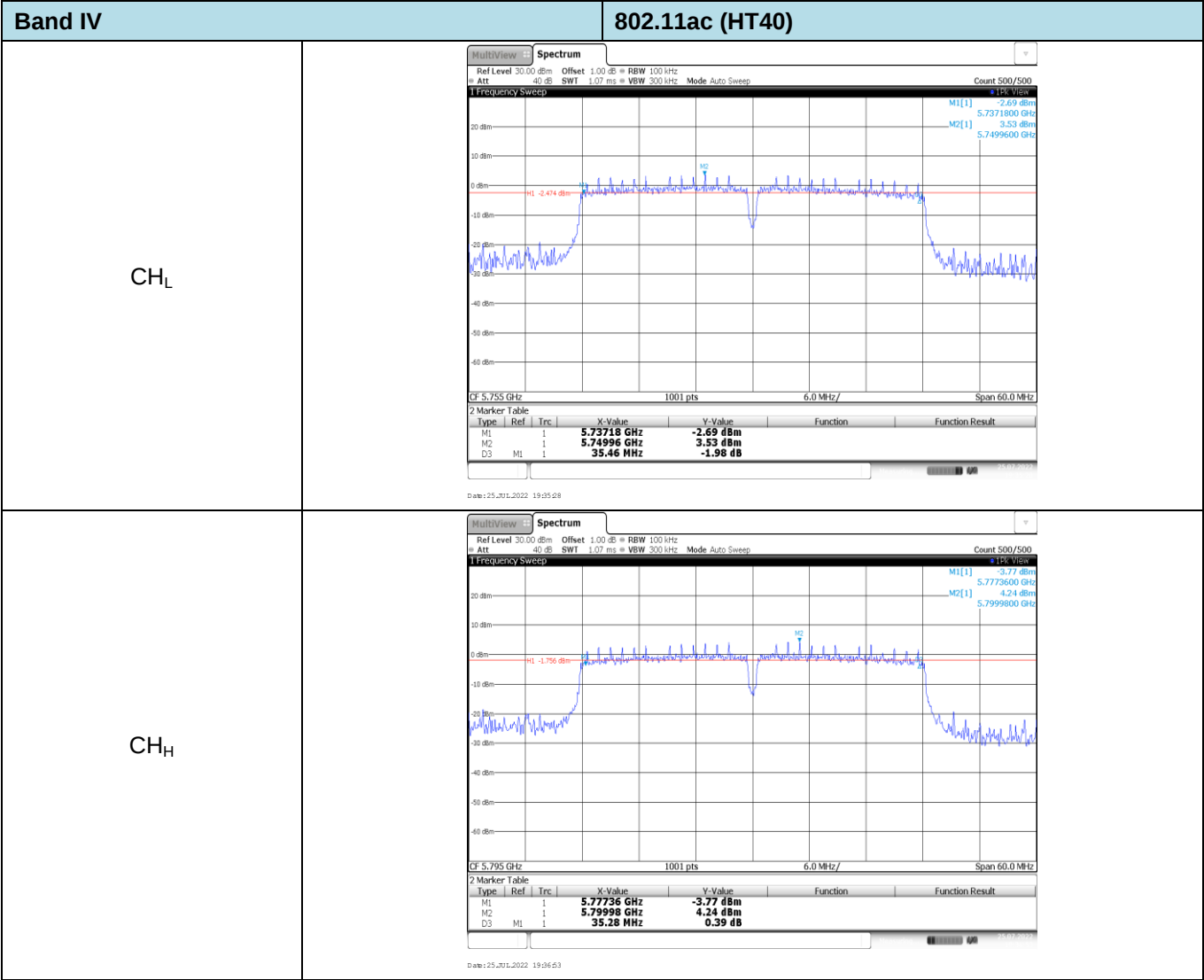
Appendix E: 6dB Bandwidth

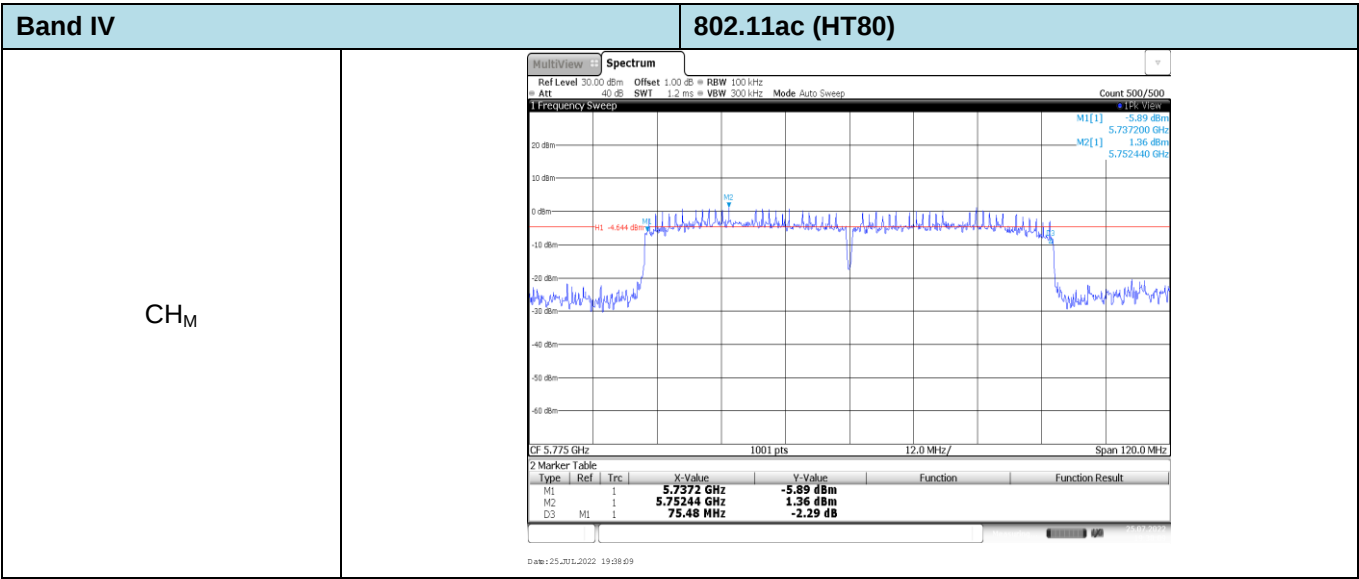
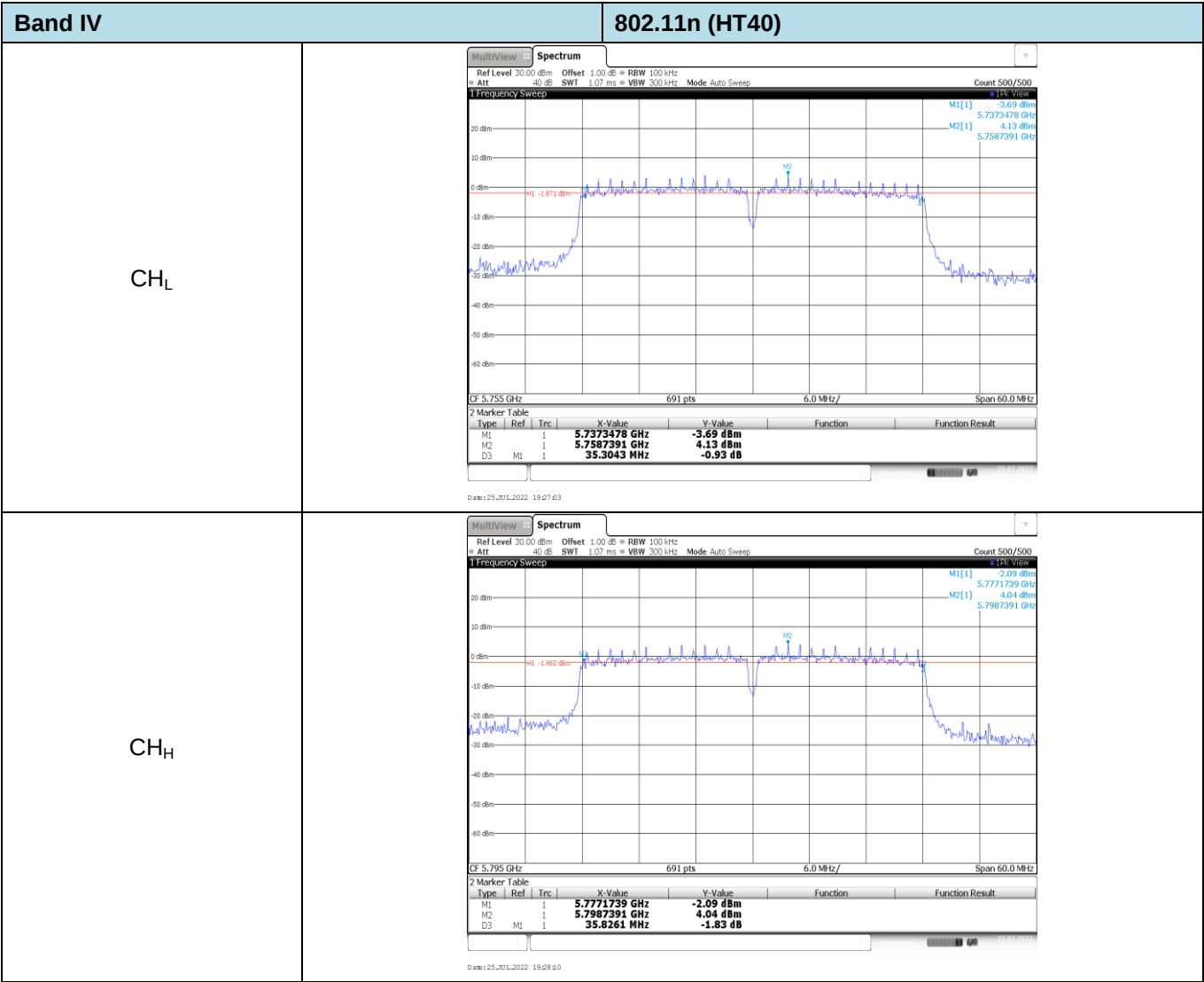
Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.34	Pass
			CH _M	17.64	
			CH _H	17.64	
		802.11n	CH _L	17.58	Pass
			CH _M	17.61	
			CH _H	17.61	
		802.11a	CH _L	16.38	Pass
			CH _M	16.41	
			CH _H	16.35	
	40	802.11ac	CH _L	35.46	Pass
			CH _H	35.28	
		802.11n	CH _L	35.30	Pass
			CH _H	35.83	
	80	802.11ac	CH _M	75.48	Pass











Appendix F: Frequency stability

Voltage VS Frequency stability

Band: I				Test Frequency: 5180.00MHz		
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
T _N	V _L	-15000	0	-2.896	0	PASS
T _N	V _N	-15000	0	-2.896	0	PASS
T _N	V _H	-15000	0	-2.896	0	PASS

Band: II				Test Frequency: 5260.00MHz		
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
T _N	V _L	10000	0	1.901	0	PASS
T _N	V _N	10000	0	1.901	0	PASS
T _N	V _H	10000	0	1.901	0	PASS

Band: III				Test Frequency: 5500.00MHz		
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
T _N	V _L	15000	-9000	2.727	-1.636	PASS
T _N	V _N	15000	-9000	2.727	-1.636	PASS
T _N	V _H	15000	-9000	2.727	-1.636	PASS

Band: IV				Test Frequency: 5745.00MHz		
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
T _N	V _L	-15000	-9000	-2.611	-1.567	PASS
T _N	V _N	-15000	-9000	-2.611	-1.567	PASS
T _N	V _H	-15000	-9000	-2.611	-1.567	PASS

Temperature VS Frequency stability

Band: I				Test Frequency: 5180.00MHz		
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
V _N	-20	-15000	0	-2.896	0	PASS
V _N	-10	-15000	0	-2.896	0	PASS
V _N	0	-15000	0	-2.896	0	PASS
V _N	10	-15000	0	-2.896	0	PASS
V _N	20	-16000	0	-3.089	0	PASS
V _N	30	-16000	0	-3.089	0	PASS
V _N	40	-16000	0	-3.089	0	PASS
V _N	50	-16000	0	-3.089	0	PASS

Band: II				Test Frequency: 5260.00MHz		
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
V _N	-20	10000	0	1.901	0	PASS
V _N	-10	10000	0	1.901	0	PASS
V _N	0	10000	0	1.901	0	PASS
V _N	10	10000	0	1.901	0	PASS
V _N	20	10000	0	1.901	0	PASS
V _N	30	10000	0	1.901	0	PASS
V _N	40	10000	0	1.901	0	PASS
V _N	50	10000	0	1.901	0	PASS

Band: III				Test Frequency: 5500.00MHz		
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
V _N	-20	15000	-9000	2.727	-1.636	PASS
V _N	-10	15000	-9000	2.727	-1.636	PASS
V _N	0	15000	-9000	2.727	-1.636	PASS
V _N	10	15000	-9000	2.727	-1.636	PASS
V _N	20	15000	-9000	2.727	-1.636	PASS
V _N	30	15000	-9000	2.727	-1.636	PASS
V _N	40	15000	-9000	2.727	-1.636	PASS
V _N	50	15000	-9000	2.727	-1.636	PASS

Band: IV				Test Frequency: 5745.00MHz		
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 0	Antenna 1	Antenna 0	Antenna 1	
V _N	-20	-15000	-9000	-2.611	-1.567	PASS
V _N	-10	-15000	-9000	-2.611	-1.567	PASS
V _N	0	-15000	-9000	-2.611	-1.567	PASS
V _N	10	-15000	-9000	-2.611	-1.567	PASS
V _N	20	-15000	-9000	-2.611	-1.567	PASS
V _N	30	-12000	-9000	-2.089	-1.567	PASS
V _N	40	-12000	-9000	-2.089	-1.567	PASS
V _N	50	-12000	-9000	-2.089	-1.567	PASS

-----End of Report-----