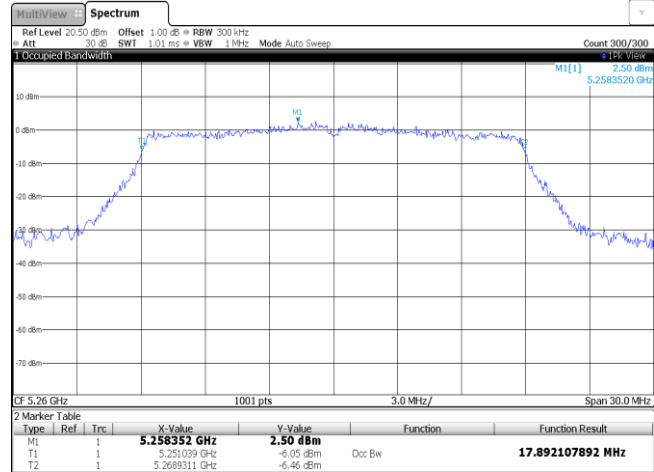
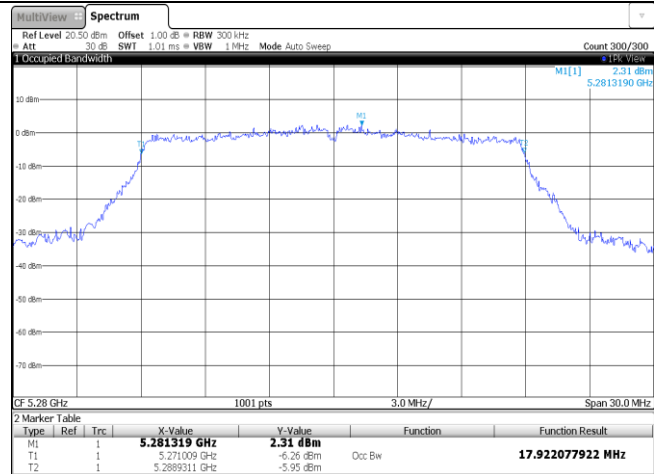


Band II

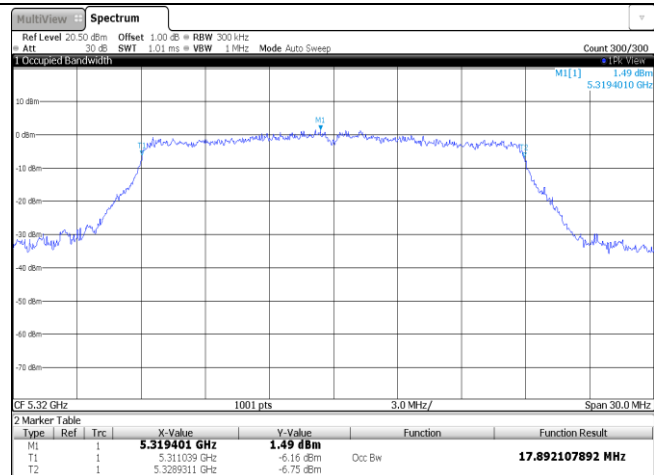
802.11n (HT20)

CH_L

Date: 2.JUN.2020 17:06:31

CH_M

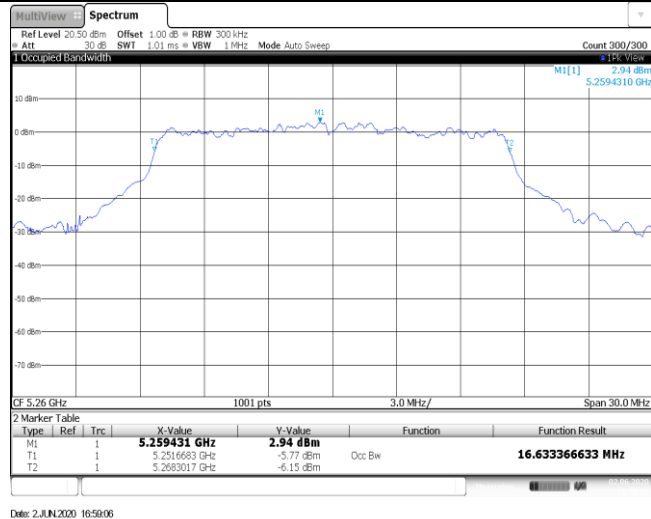
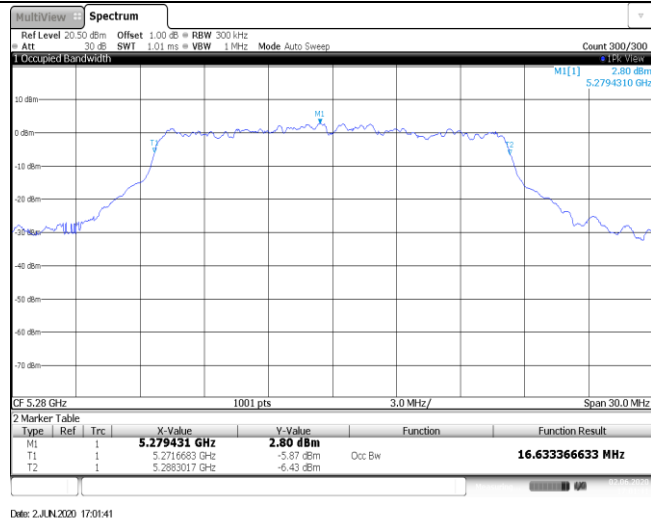
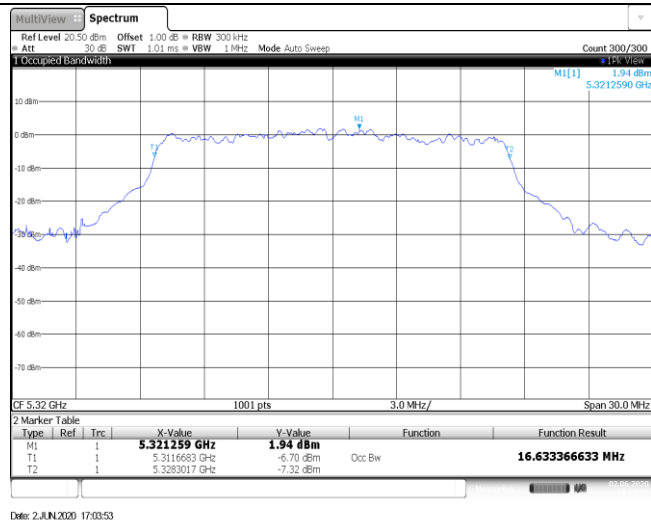
Date: 2.JUN.2020 17:09:00

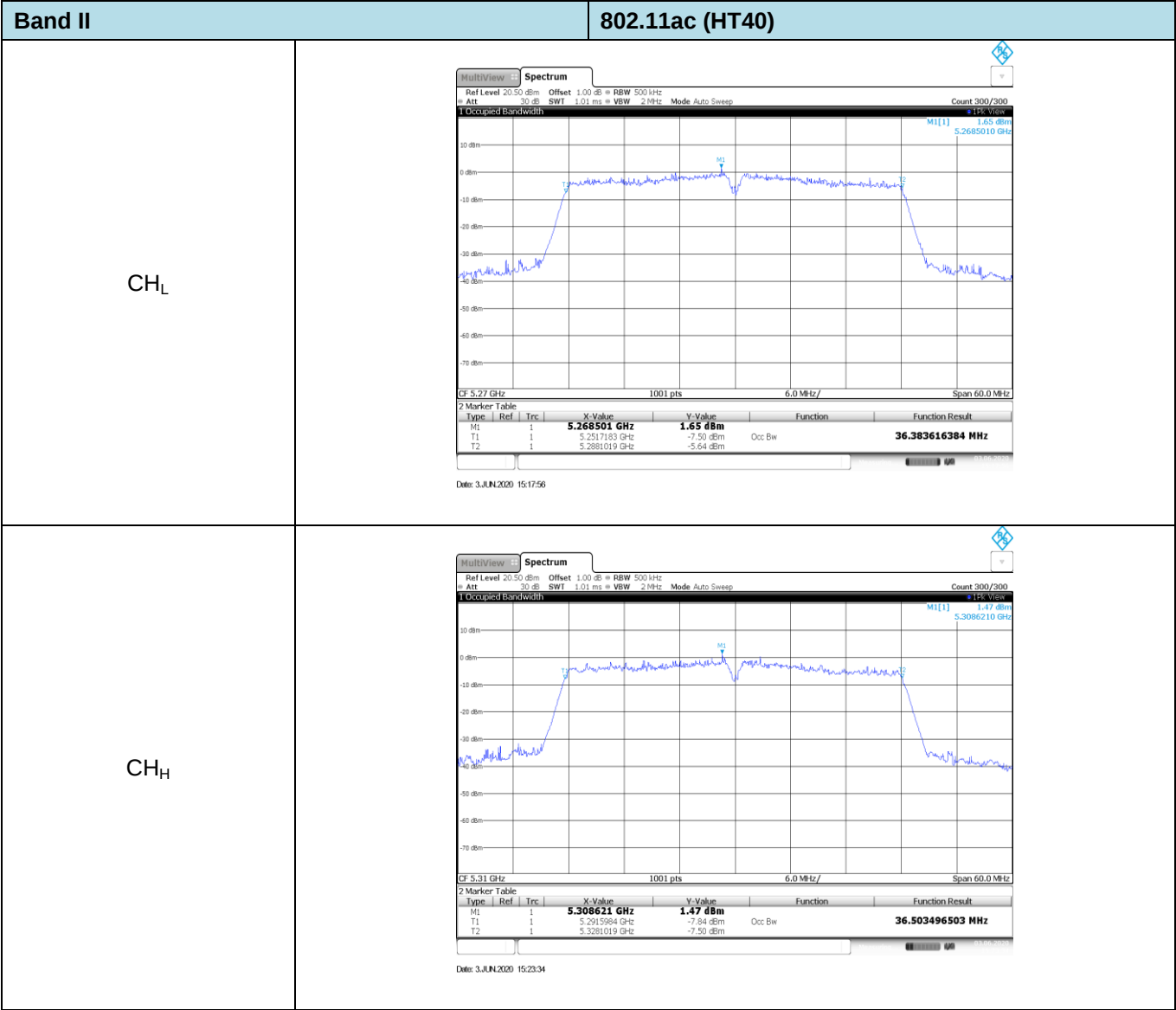
CH_H

Date: 2.JUN.2020 17:11:46

Band II

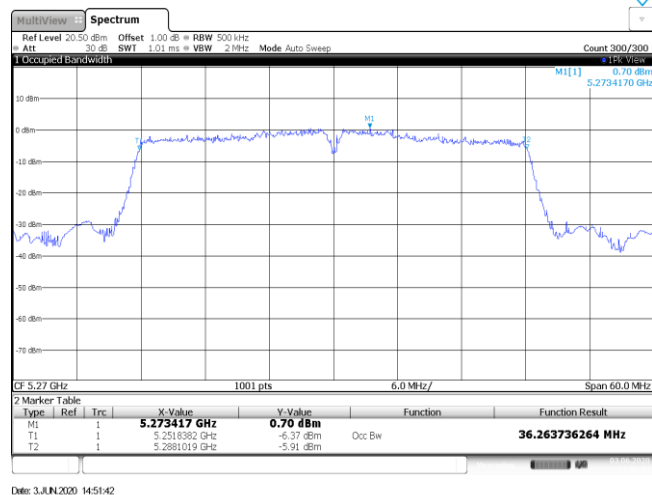
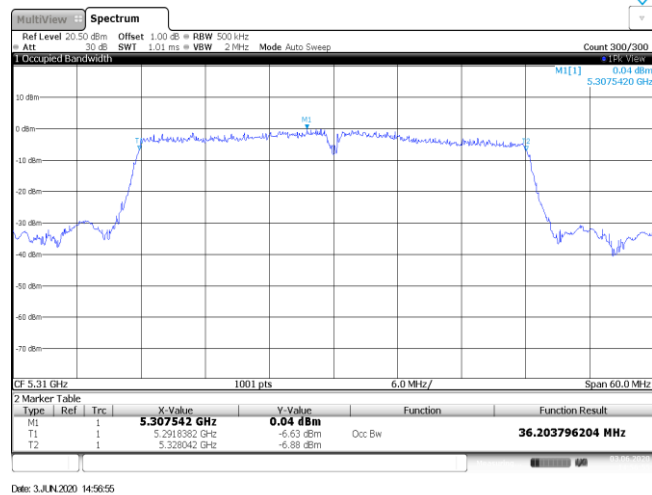
802.11a

CH_LCH_MCH_H



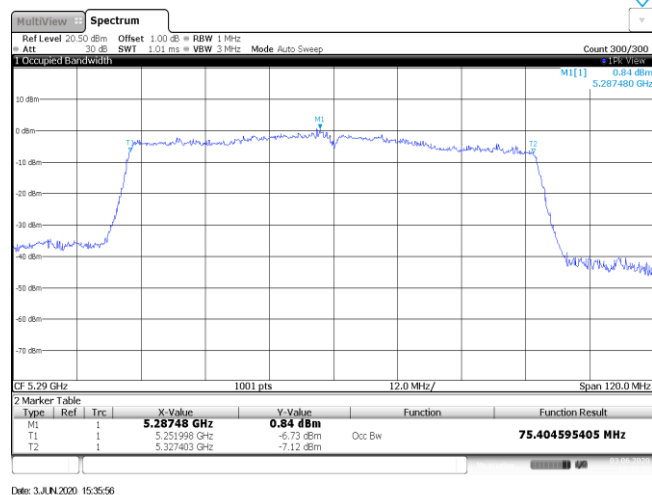
Band II

802.11n (HT40)

CH_LCH_H

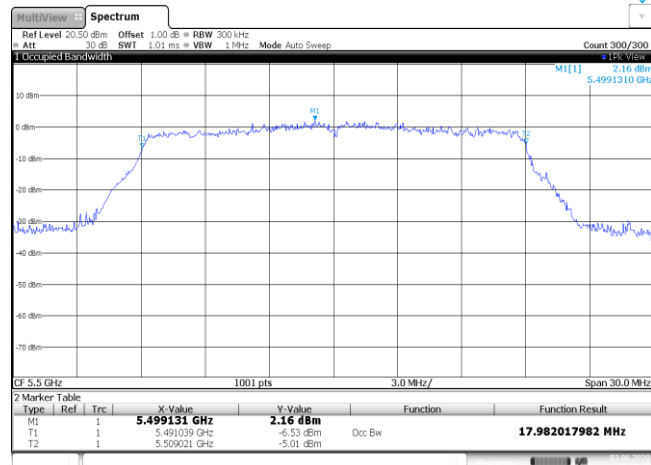
Band II

802.11ac (HT80)

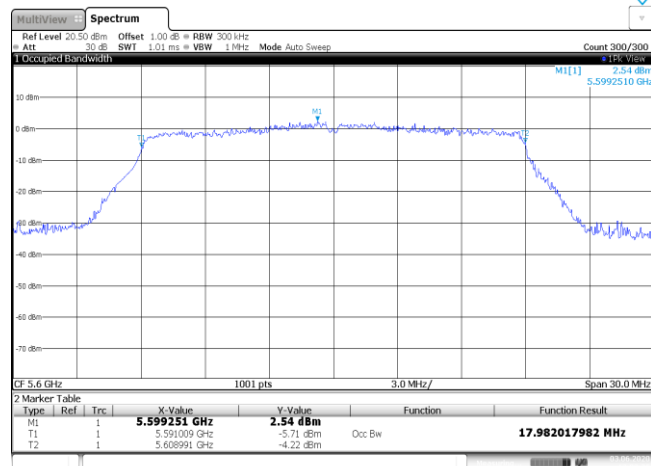
CH_M

Band III

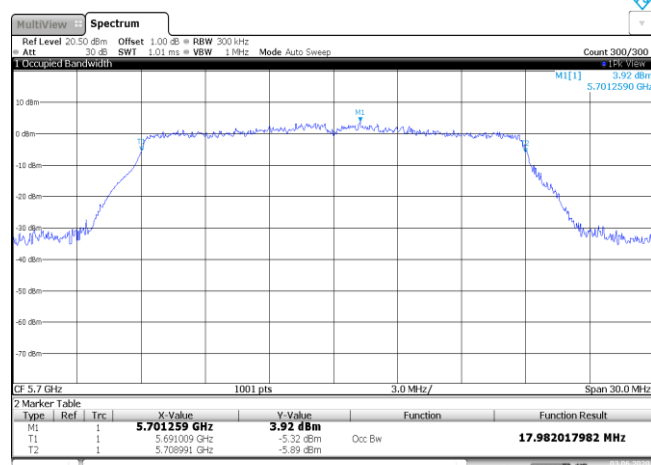
802.11ac (HT20)

CH_L

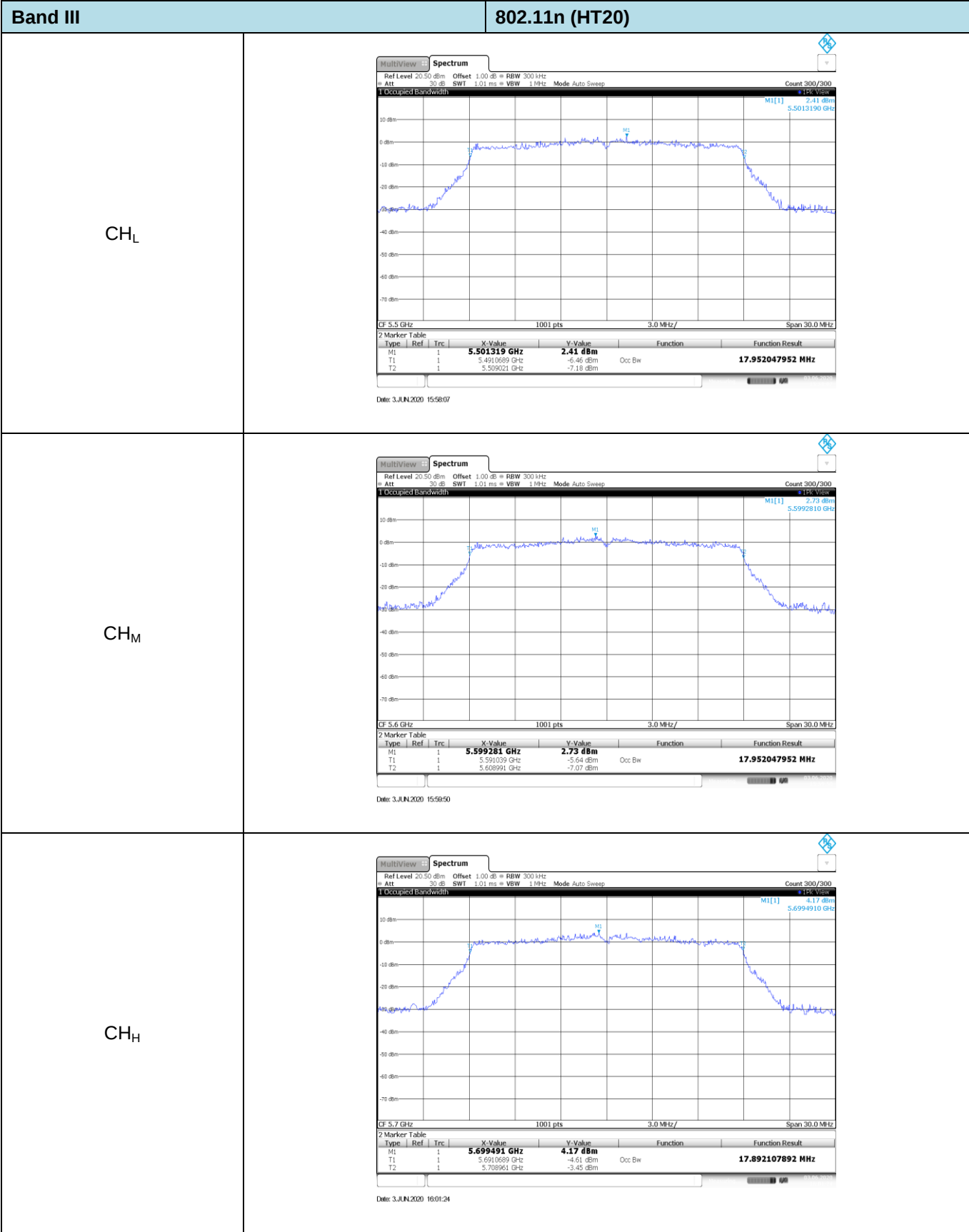
Date: 3.JUN.2020 16:58:52

CH_M

Date: 3.JUN.2020 17:02:35

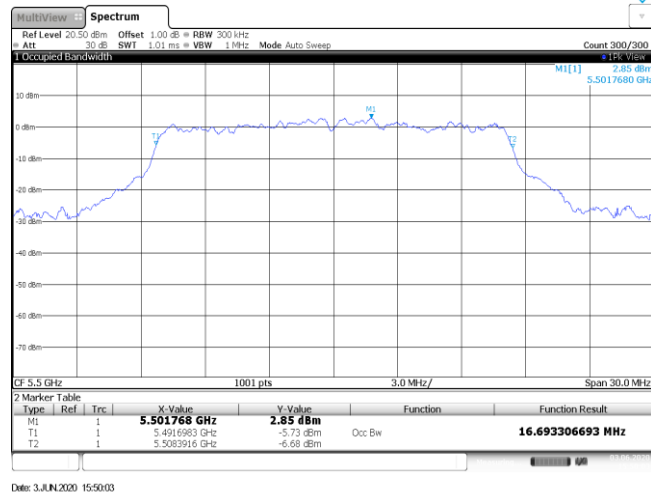
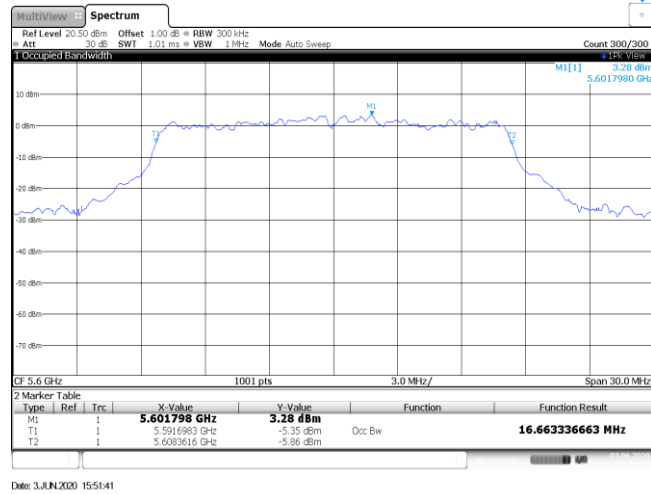
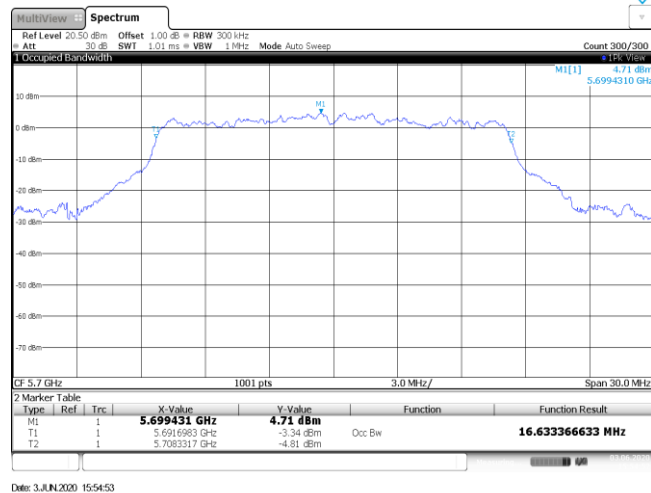
CH_H

Date: 3.JUN.2020 17:05:05



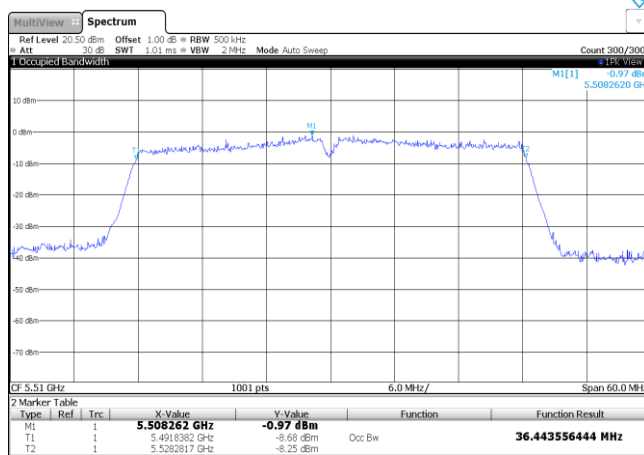
Band III

802.11a

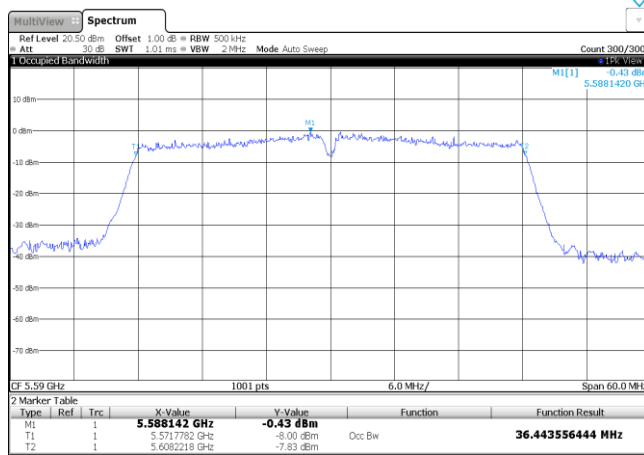
CH_LCH_MCH_H

Band III

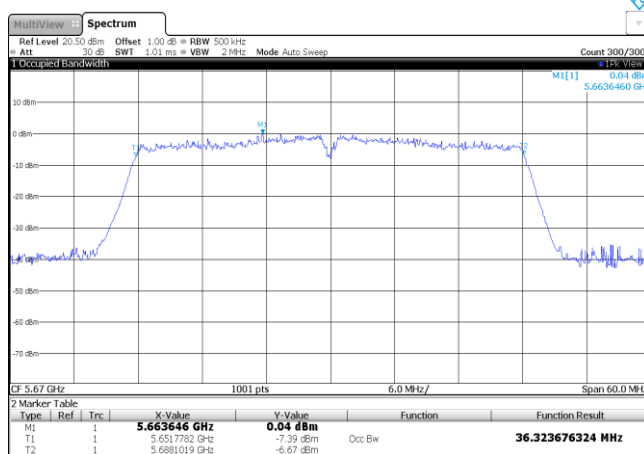
802.11ac (HT40)

$$\text{CH}_L$$


Date: 4-JUN-2020 09:10:04

$$\text{CH}_M$$


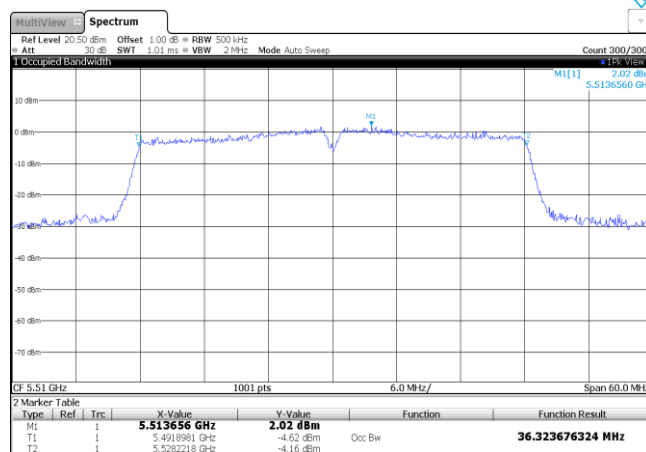
Date: 4 JUN 2020 09:16:57

$$\text{CH}_H$$


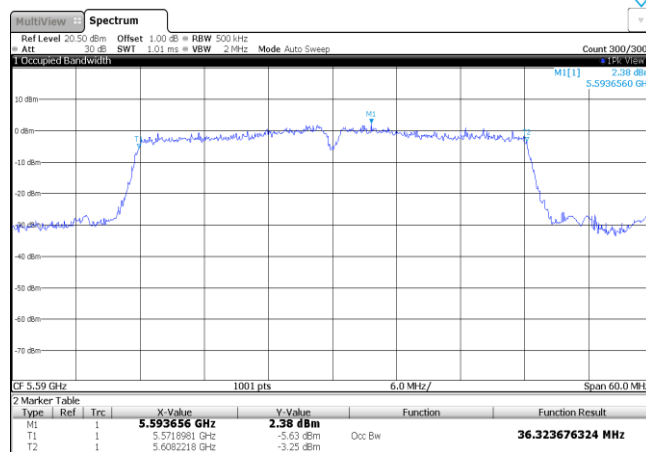
Date: 4 JUN 2020 09:30:28

Band III

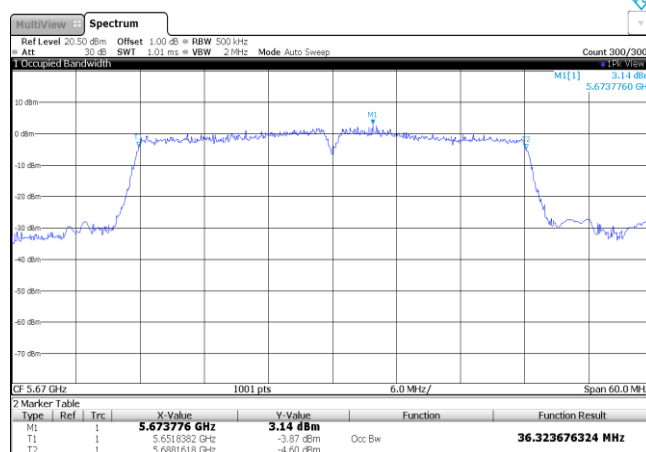
802.11n (HT40)

$$\text{CH}_L$$


Date: 3-JUN-2020 16:04:58

$$\text{CH}_M$$


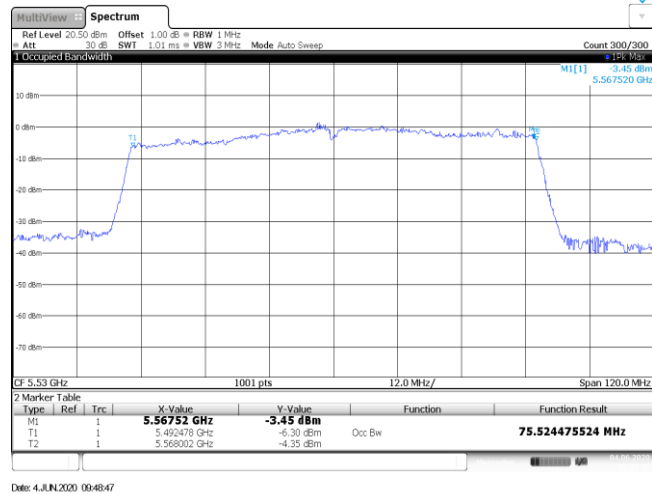
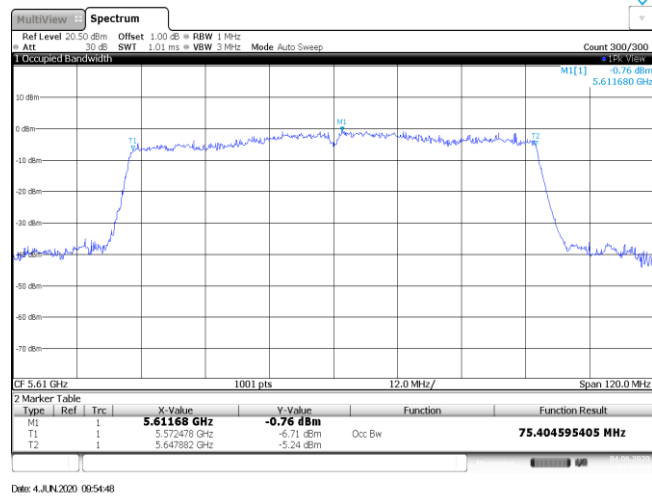
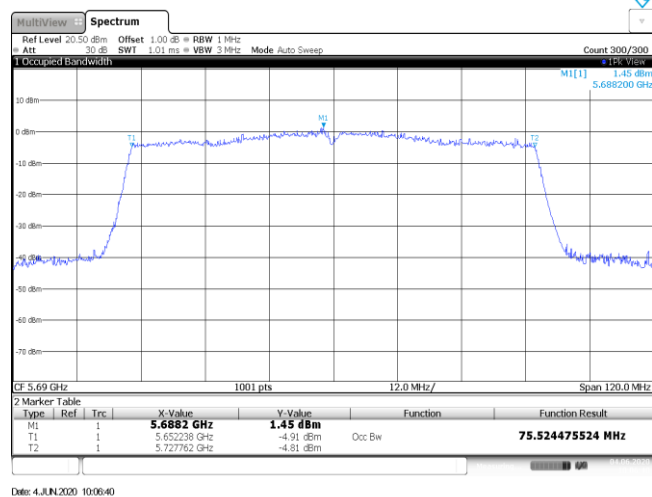
Date: 3 JUN 2020 16:08:08

$$\text{CH}_H$$


Date: 3 JUN 2020 16:12:56

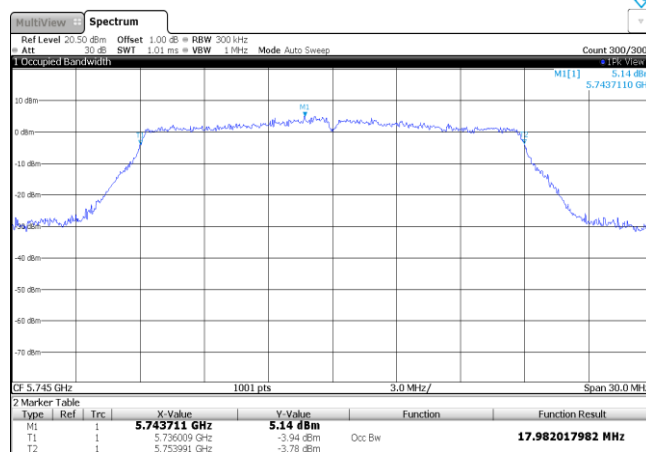
Band III

802.11ac (HT80)

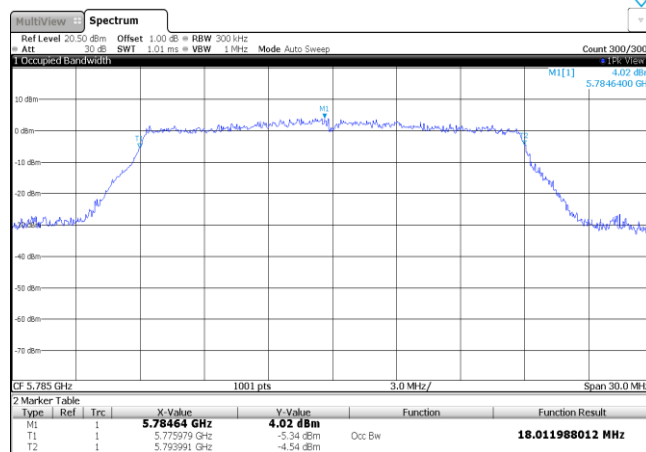
CH_LCH_MCH_H

Band IV

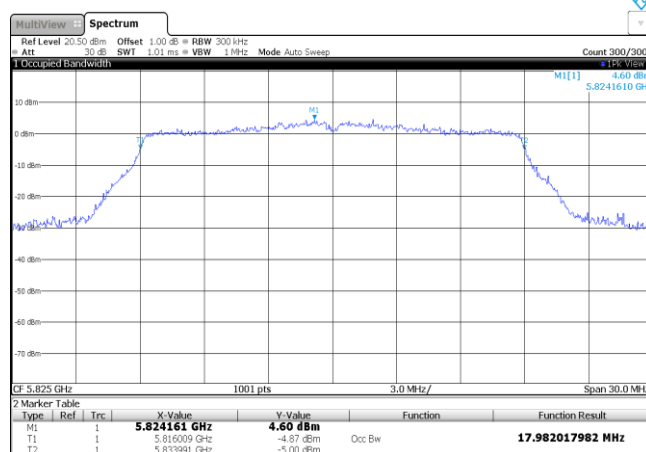
802.11ac (HT20)

$$\text{CH}_L$$


Date: 4-JUN-2020 13:58:11

 CH_M 

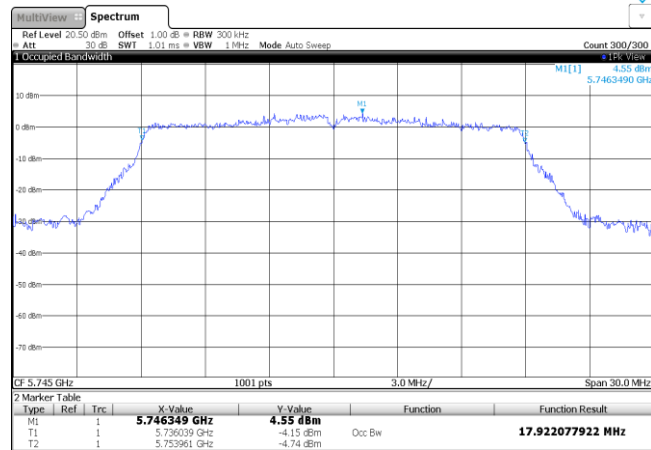
Date: 4 JUN 2020 14:02:32

$$\text{CH}_H$$


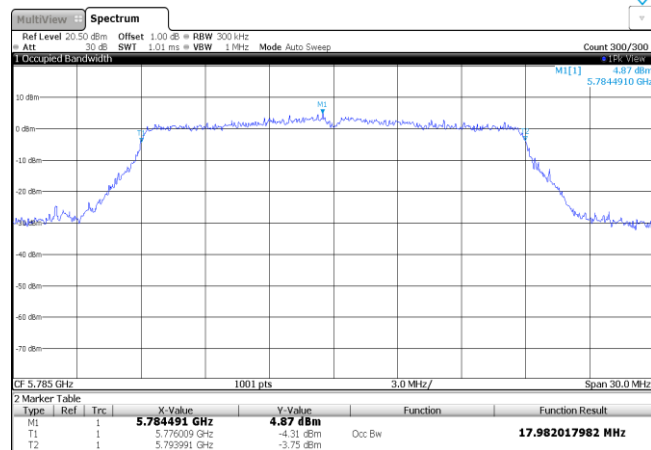
Date: 4 JUN 2020 14:05:26

Band IV

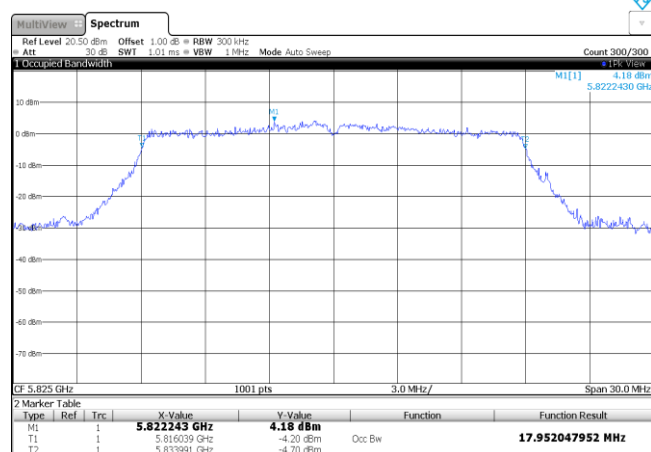
802.11n (HT20)

CH_L

Date: 4 JUN 2020 13:37:35

CH_M

Date: 4 JUN 2020 13:40:17

CH_H

Date: 4 JUN 2020 13:41:59

Band IV

802.11a

CH_L

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.744431 GHz	5.21 dBm		
T1	1		5.726693 GHz	-3.26 dBm	Occ Bw	16.633366633 MHz
T2	1		5.7533317 GHz	-3.92 dBm		

Date: 4.JUN.2020 11:39:15

CH_M

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.784431 GHz	4.98 dBm		
T1	1		5.776693 GHz	-3.08 dBm	Occ Bw	16.633366633 MHz
T2	1		5.7933317 GHz	-3.95 dBm		

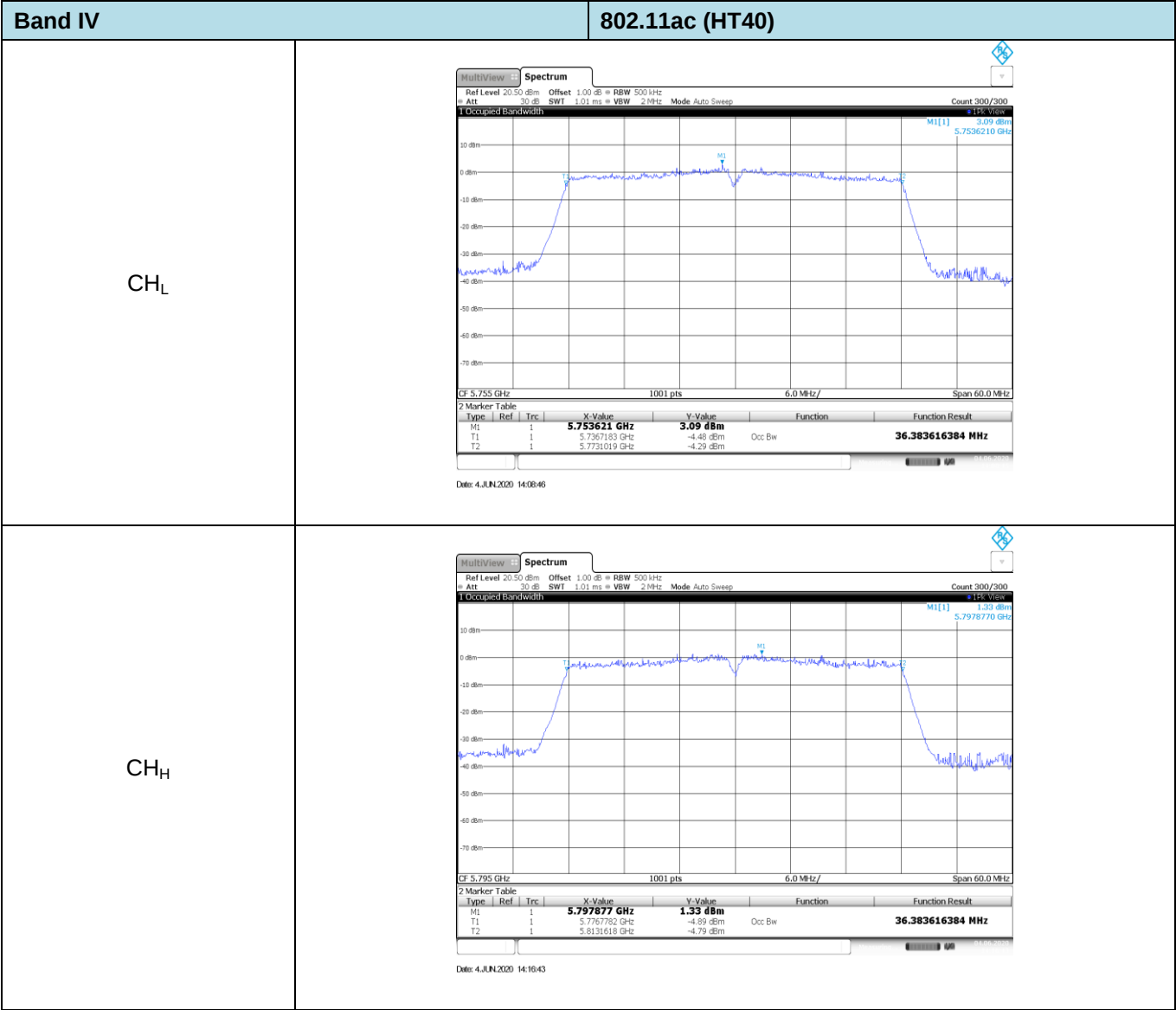
Date: 4.JUN.2020 13:24:32

CH_H

2 Marker Table

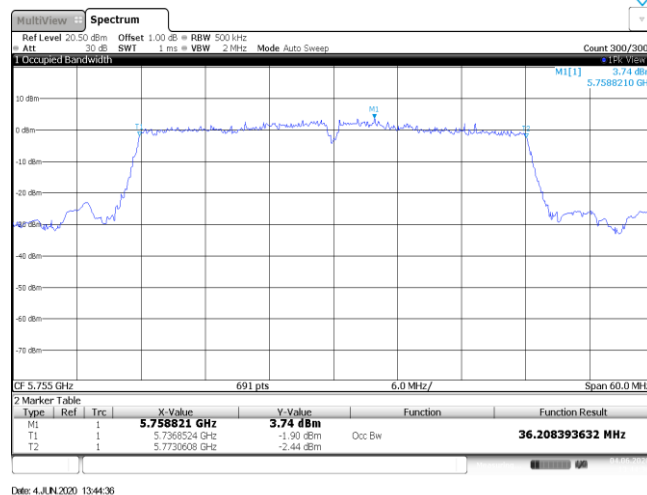
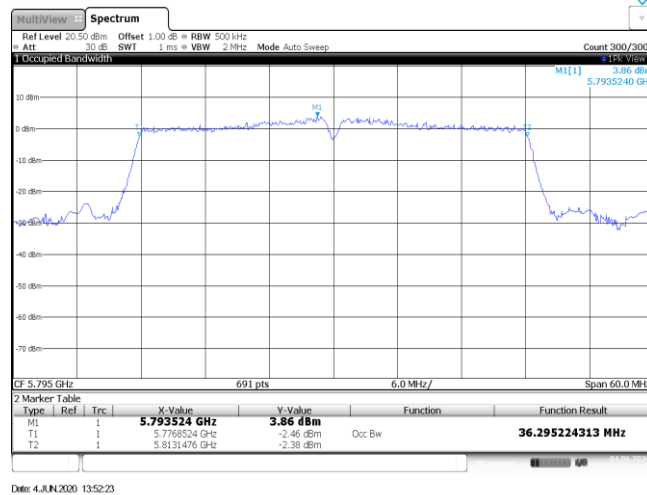
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.826798 GHz	4.73 dBm		
T1	1		5.816693 GHz	-3.70 dBm	Occ Bw	16.663336663 MHz
T2	1		5.8333316 GHz	-4.43 dBm		

Date: 4.JUN.2020 13:26:11



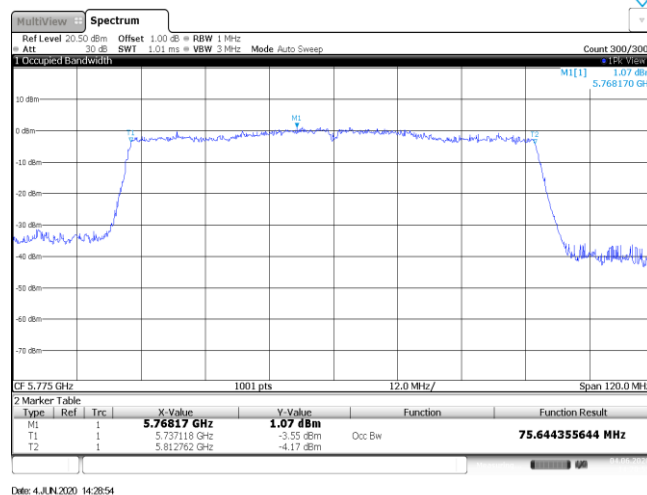
Band IV

802.11n (HT40)

CH_LCH_H

Band IV

802.11ac (HT80)

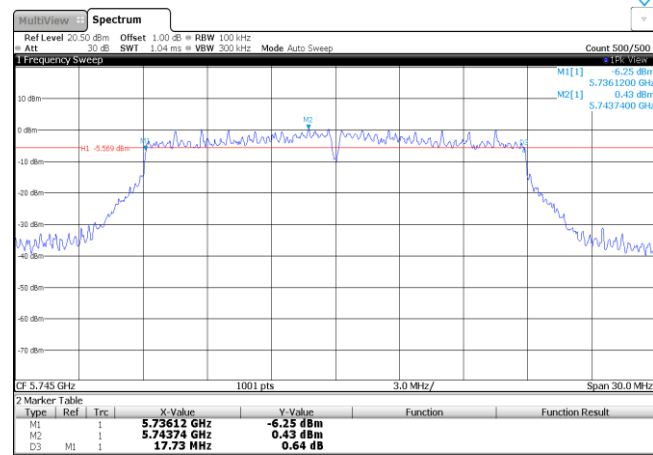
CH_M

Appendix E: 6dB Bandwidth

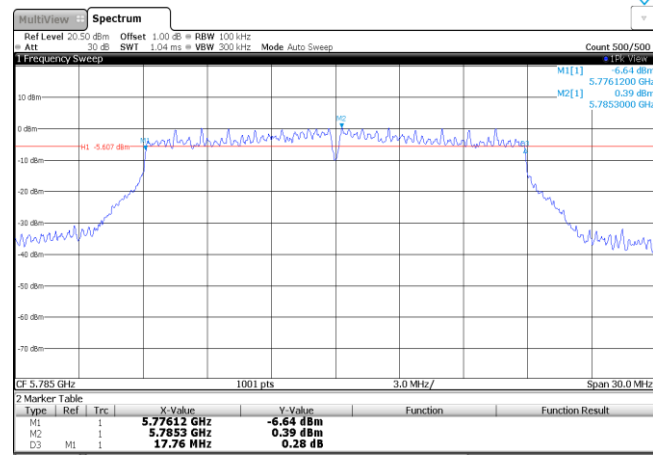
Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.73	Pass
			CH _M	17.76	
			CH _H	17.79	
		802.11n	CH _L	17.73	Pass
			CH _M	17.76	
			CH _H	17.76	
		802.11a	CH _L	16.41	Pass
			CH _M	16.44	
			CH _H	16.41	
	40	802.11ac	CH _L	36.54	Pass
			CH _H	36.54	
		802.11n	CH _L	36.61	Pass
			CH _H	36.52	
	80	802.11ac	CH _M	75.96	Pass

Band IV

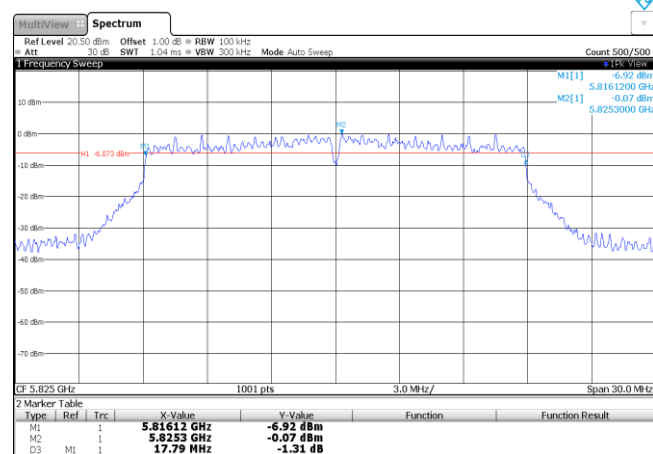
802.11ac (HT20)

$$\text{CH}_L$$


Date: 4 JUN 2020 13:58:20

$$\text{CH}_M$$


Date: 4 JUN 2020 14:02:41

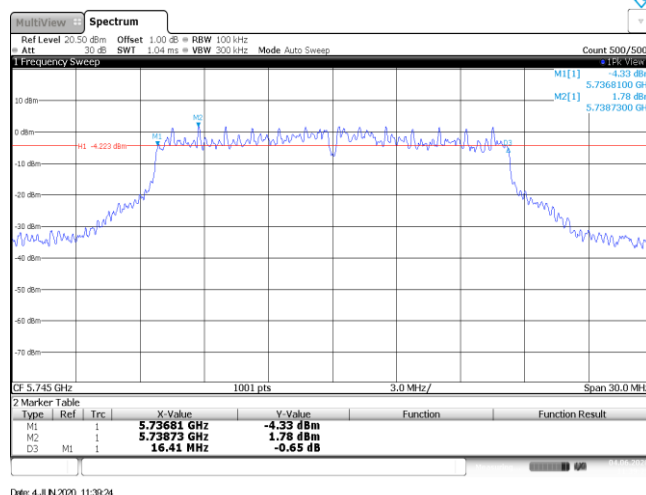
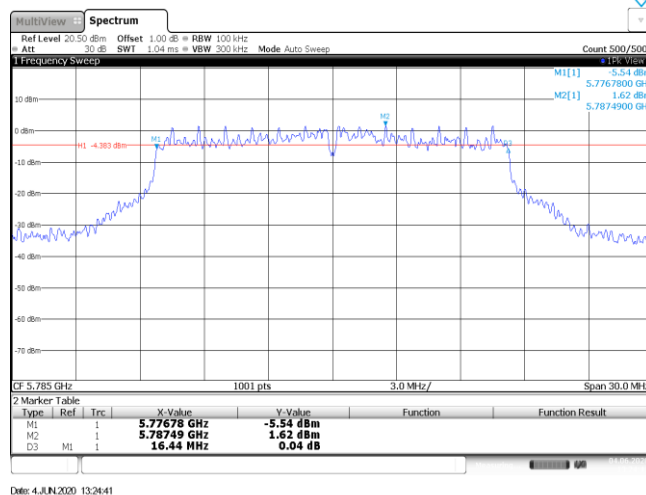
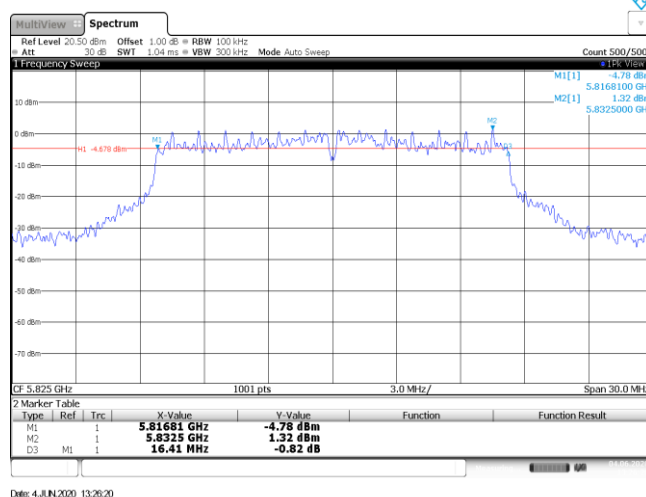
$$\text{CH}_H$$


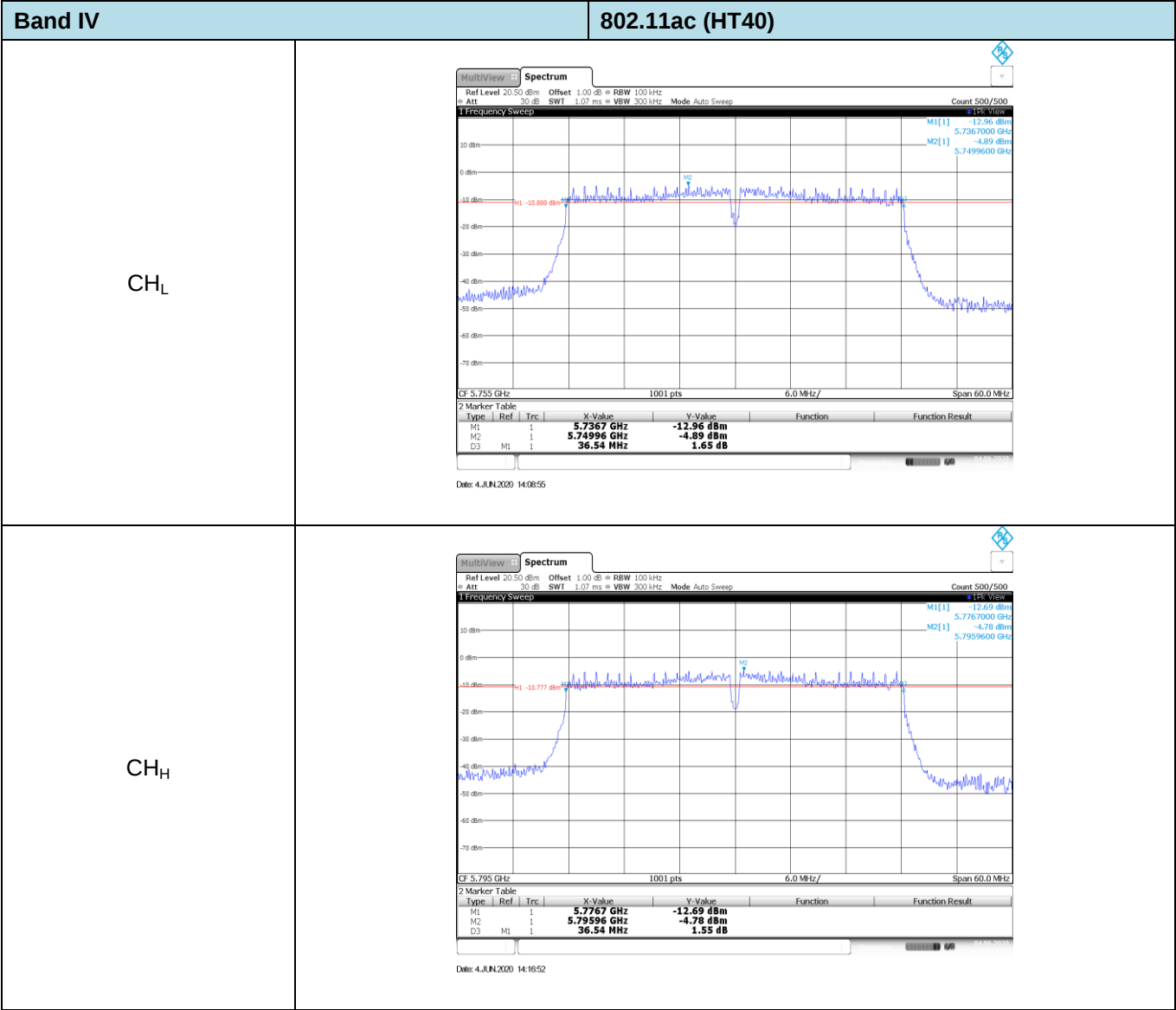
Date: 4 JUN 2020 14:05:35

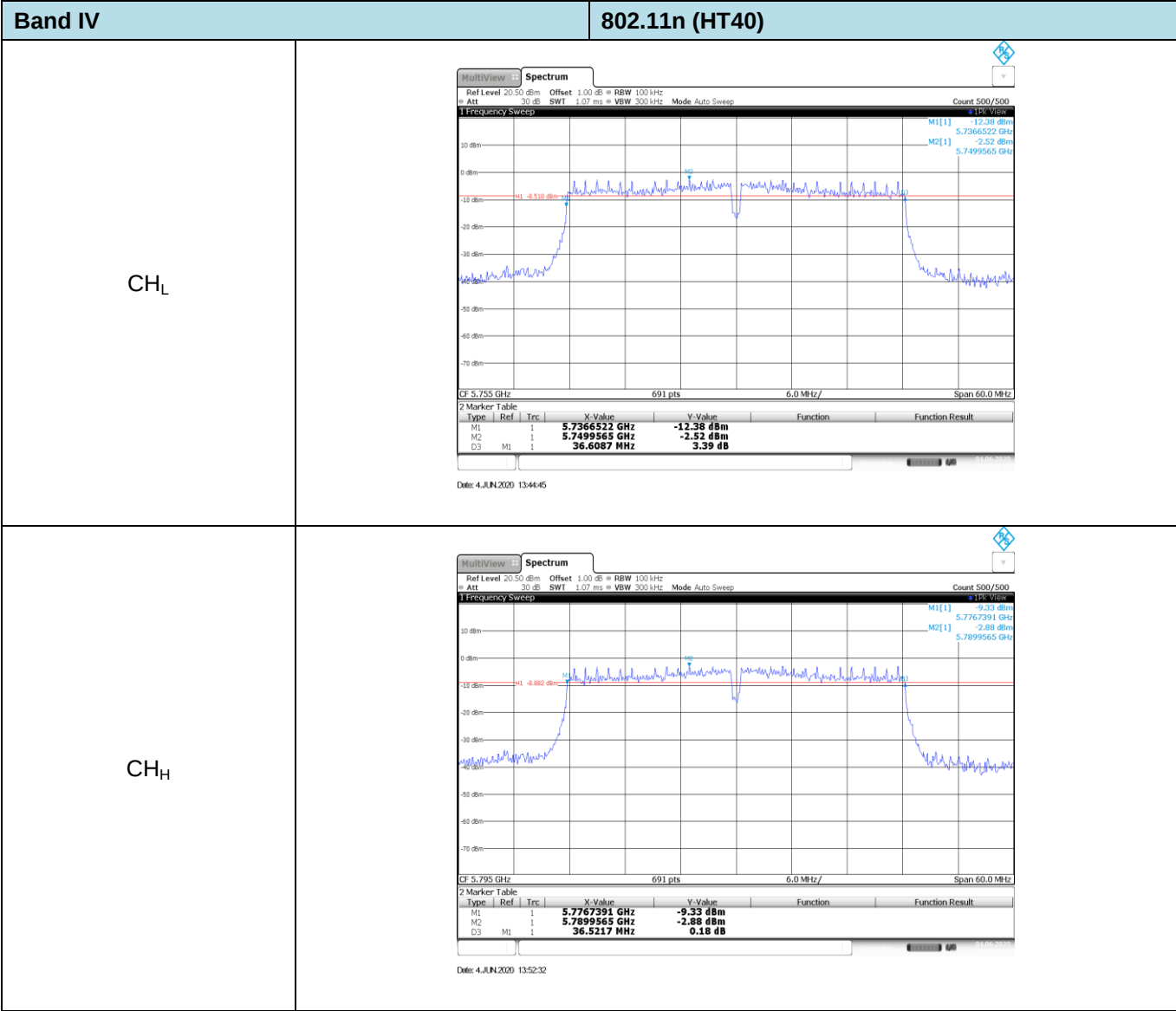
Band IV		802.11n (HT20)																											
CH _L	MultiView Spectrum Ref Level 20.50 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] 5.7361200 GHz -6.44 dBm M2[1] 5.7387300 GHz 0.29 dBm CF 5.745 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>5.73612 GHz</td><td>-6.44 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.73873 GHz</td><td>0.29 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>17.73 MHz</td><td>0.66 dB</td><td></td><td></td></tr></table> Date: 4 JUN 2020 13:37:45	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73612 GHz	-6.44 dBm			M2	1		5.73873 GHz	0.29 dBm			D3	M1	1	17.73 MHz	0.66 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73612 GHz	-6.44 dBm																									
M2	1		5.73873 GHz	0.29 dBm																									
D3	M1	1	17.73 MHz	0.66 dB																									
CH _M	MultiView Spectrum Ref Level 20.50 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] 5.7761200 GHz -6.69 dBm M2[1] 5.7874900 GHz 0.13 dBm CF 5.785 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>5.77612 GHz</td><td>-6.69 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.78749 GHz</td><td>0.13 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>17.76 MHz</td><td>0.40 dB</td><td></td><td></td></tr></table> Date: 4 JUN 2020 13:40:27	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.77612 GHz	-6.69 dBm			M2	1		5.78749 GHz	0.13 dBm			D3	M1	1	17.76 MHz	0.40 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.77612 GHz	-6.69 dBm																									
M2	1		5.78749 GHz	0.13 dBm																									
D3	M1	1	17.76 MHz	0.40 dB																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Att 30 dB Offset 1.00 dB RBW 100 kHz SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] 5.8161200 GHz -6.65 dBm M2[1] 5.8274900 GHz -0.10 dBm CF 5.825 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>5.81612 GHz</td><td>-6.65 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.82749 GHz</td><td>-0.10 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>17.76 MHz</td><td>0.22 dB</td><td></td><td></td></tr></table> Date: 4 JUN 2020 13:42:08	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81612 GHz	-6.65 dBm			M2	1		5.82749 GHz	-0.10 dBm			D3	M1	1	17.76 MHz	0.22 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81612 GHz	-6.65 dBm																									
M2	1		5.82749 GHz	-0.10 dBm																									
D3	M1	1	17.76 MHz	0.22 dB																									

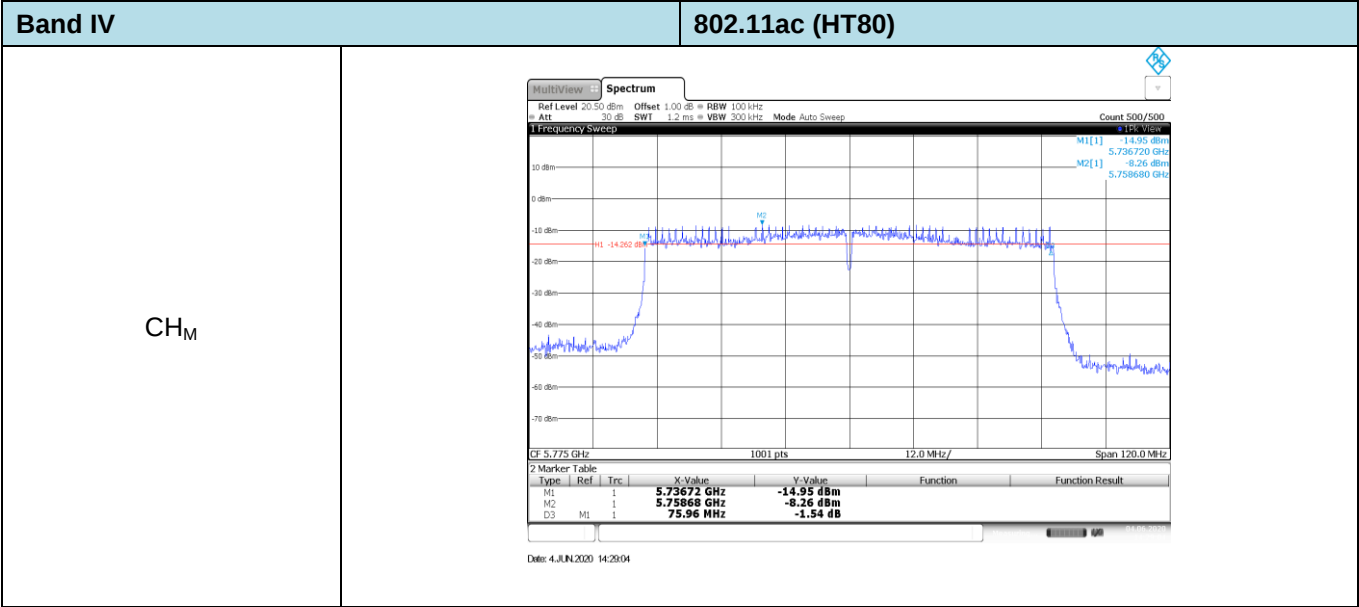
Band IV

802.11a

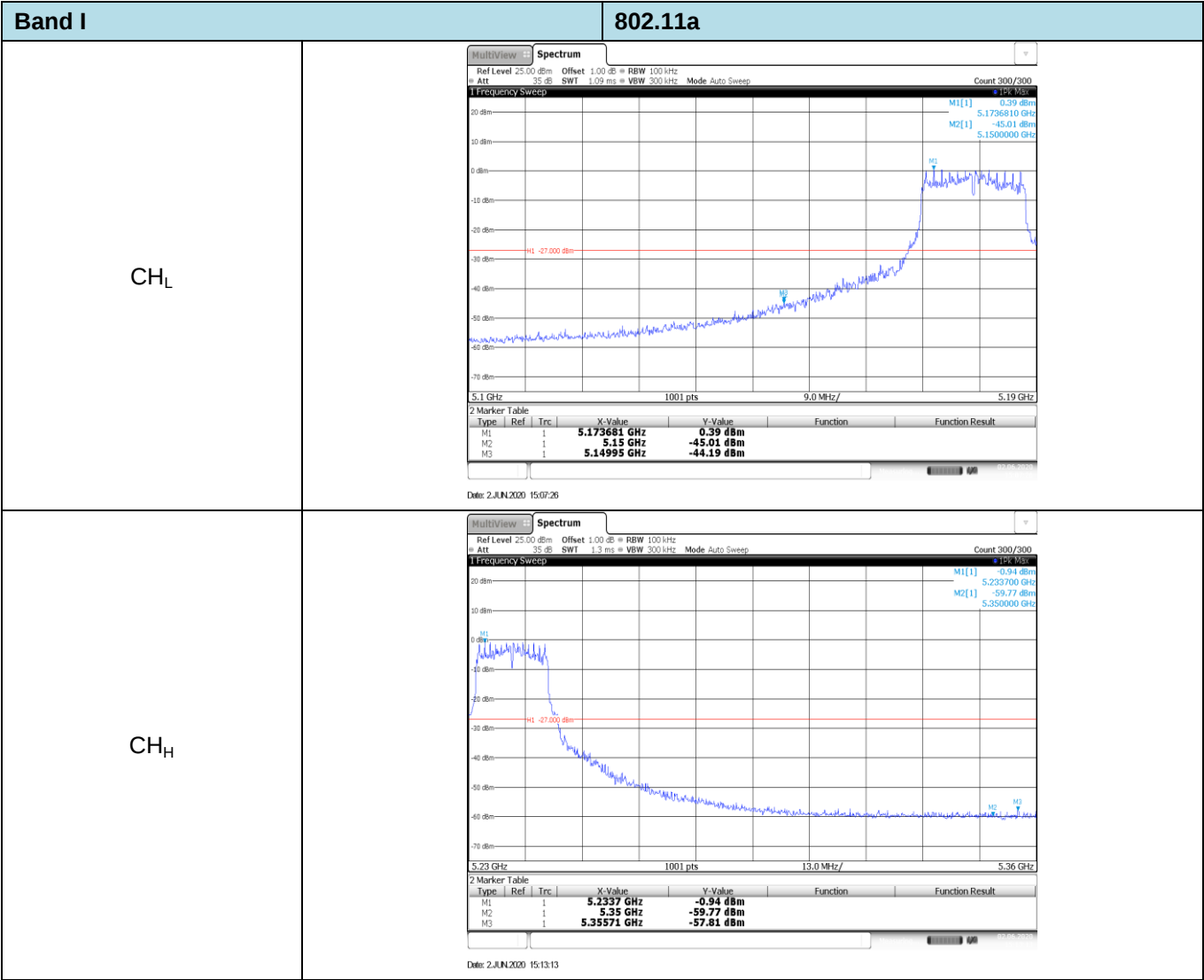
$$\text{CH}_L$$

$$\text{CH}_M$$

$$\text{CH}_H$$


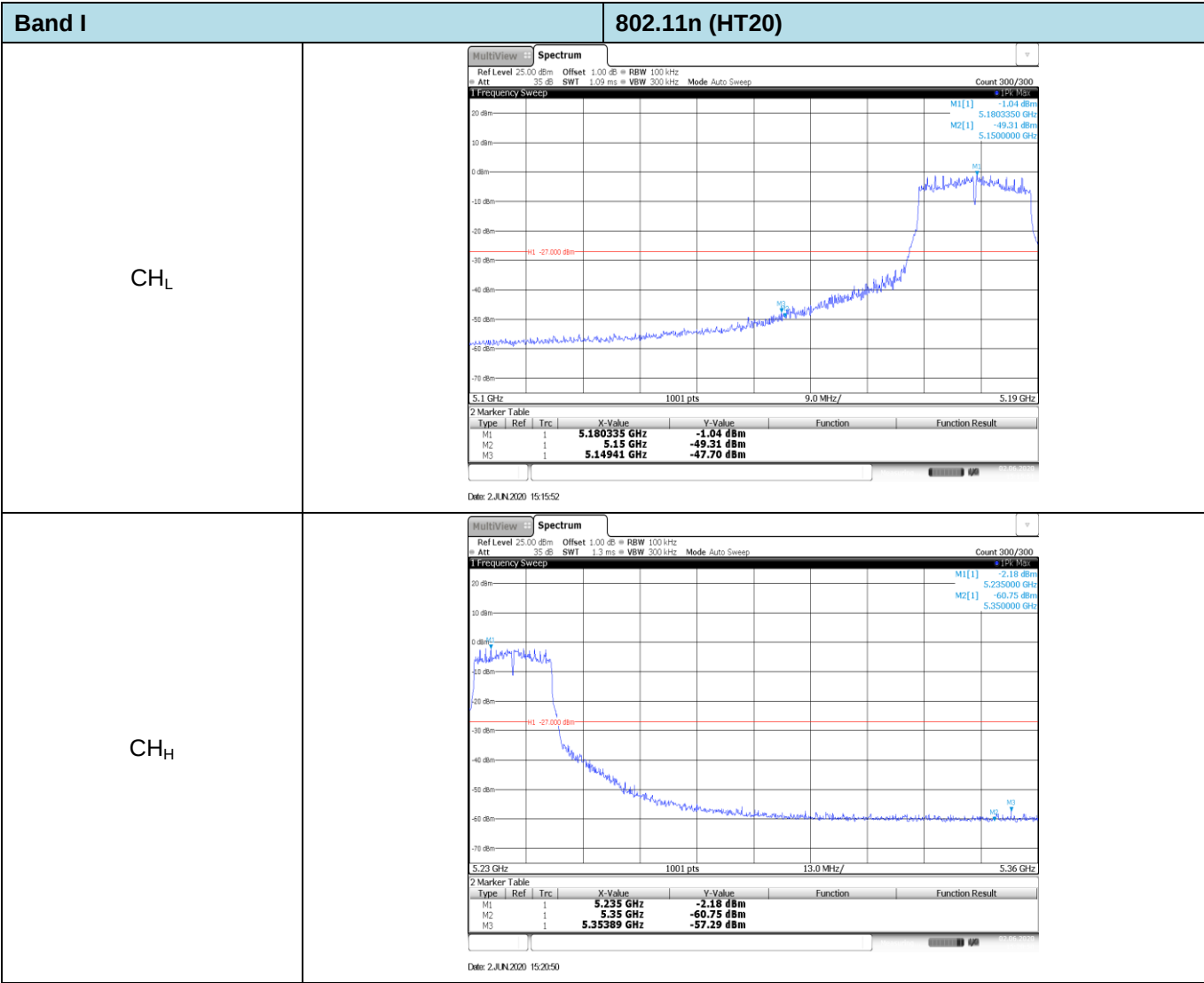


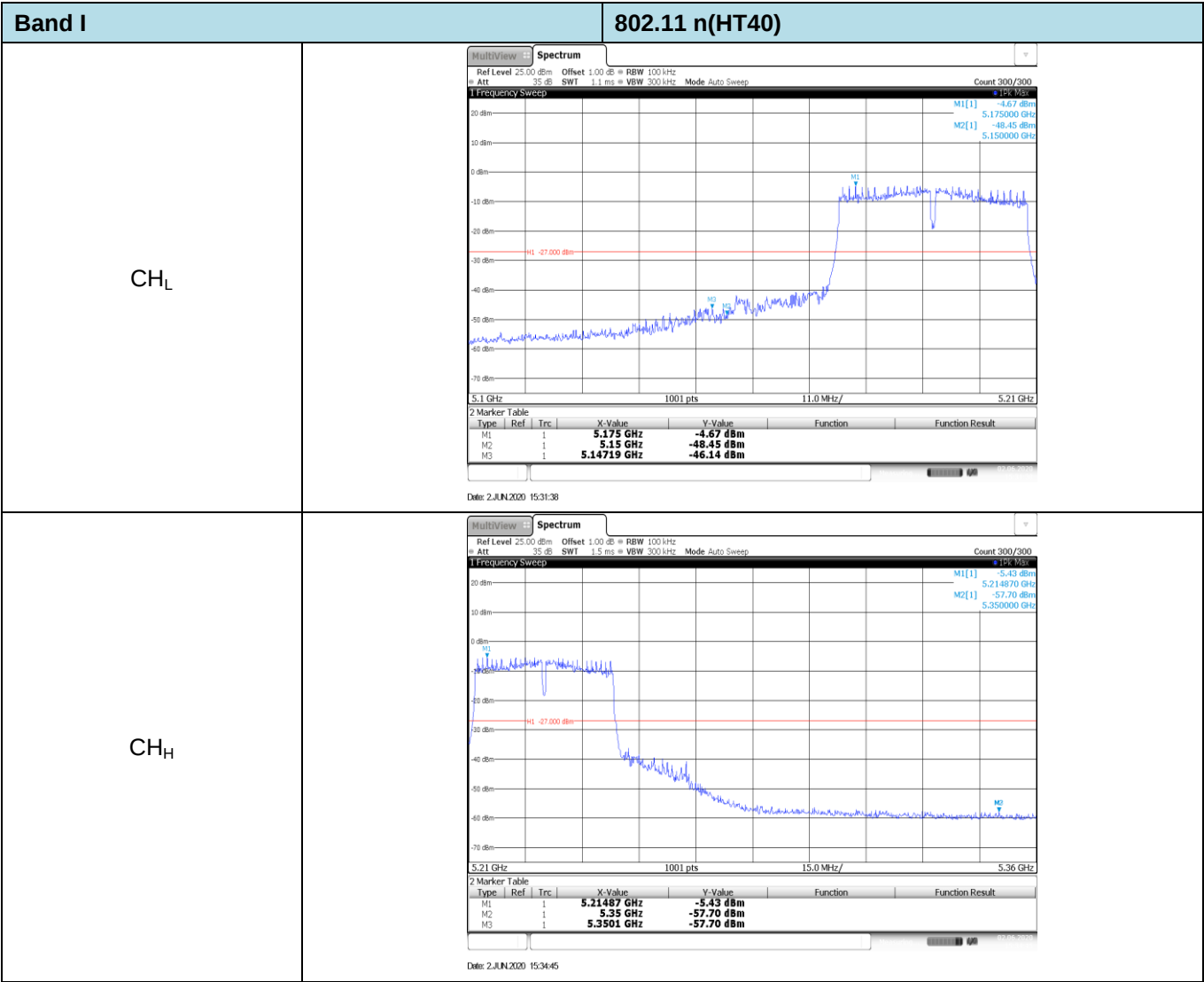


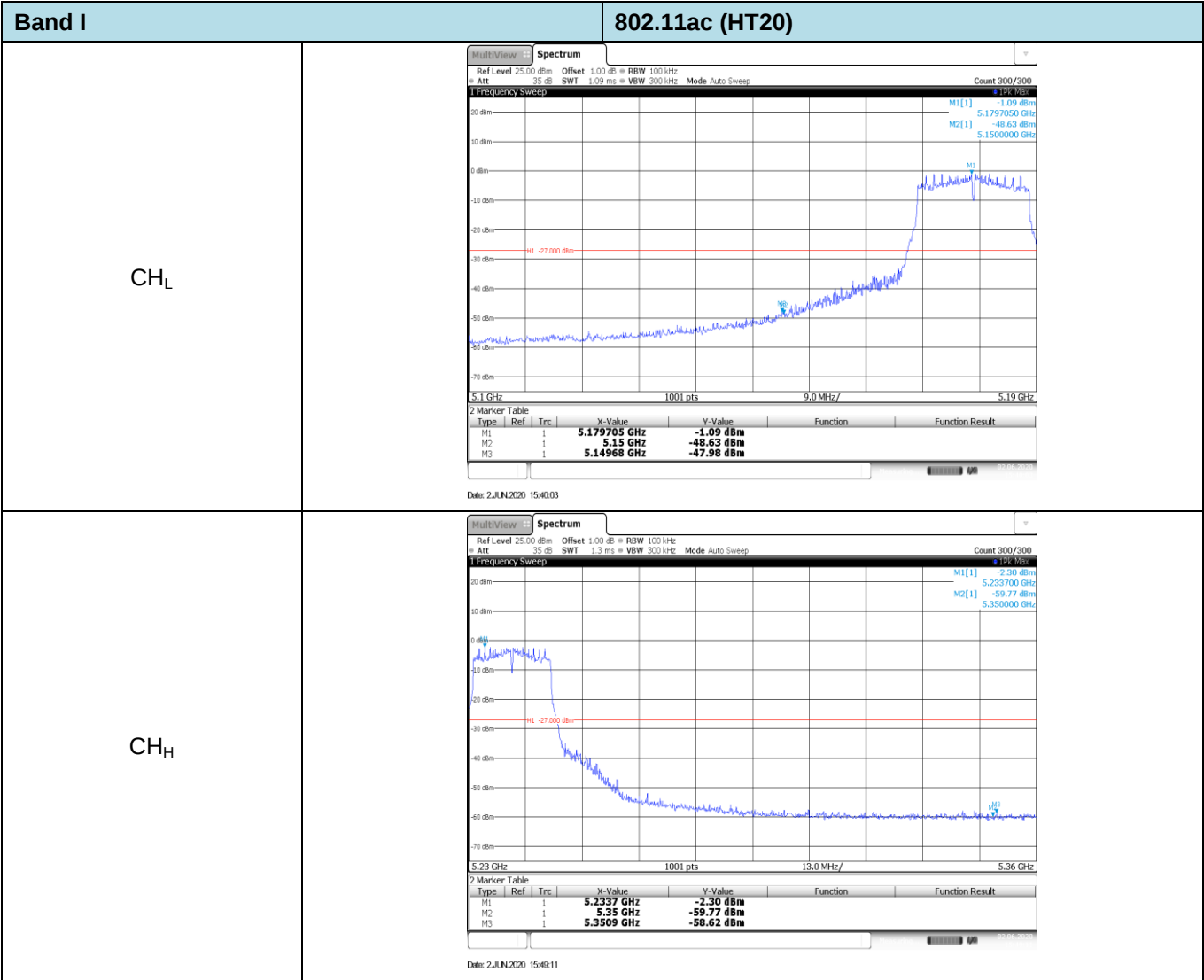


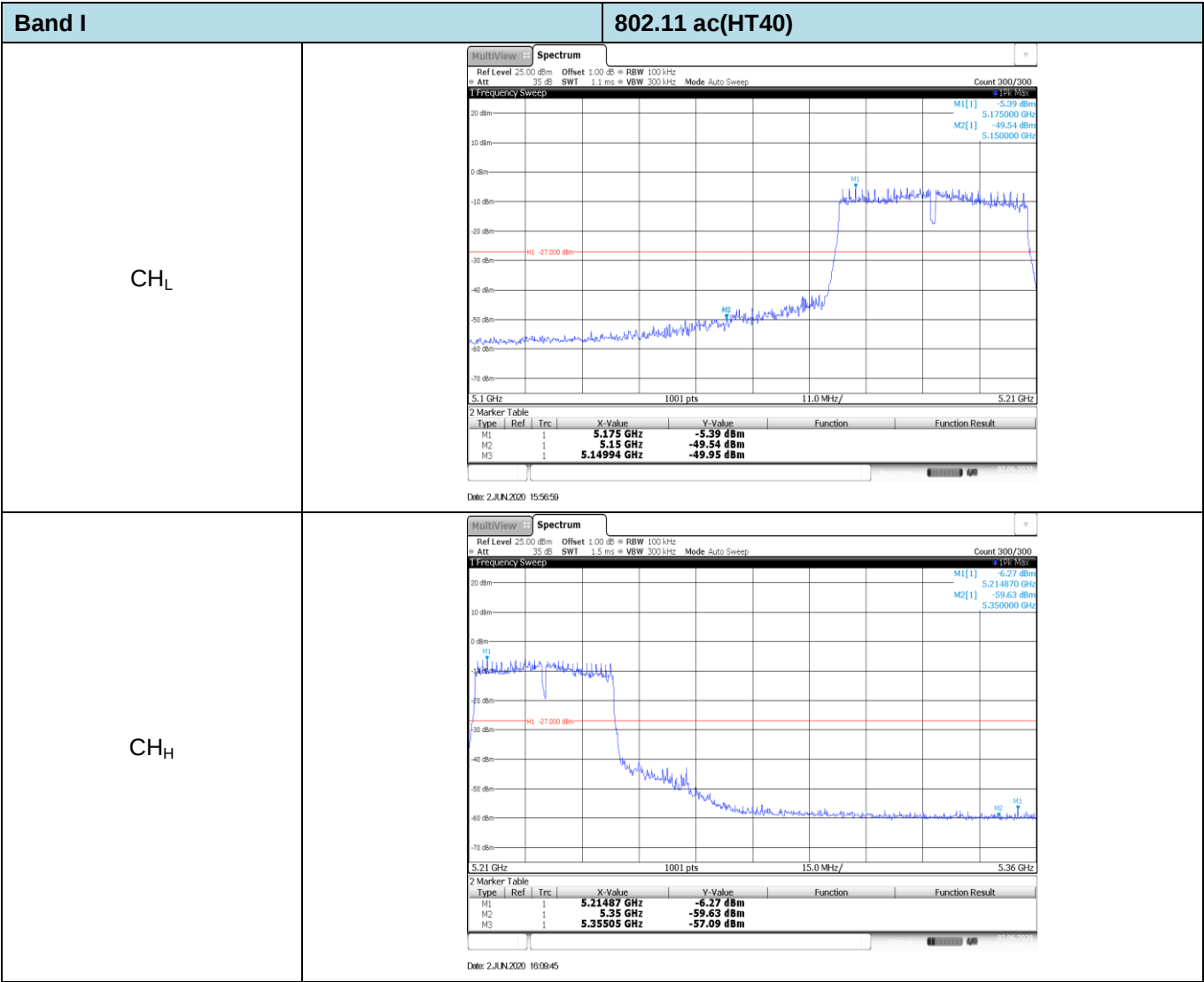
Appendix F: Band edge

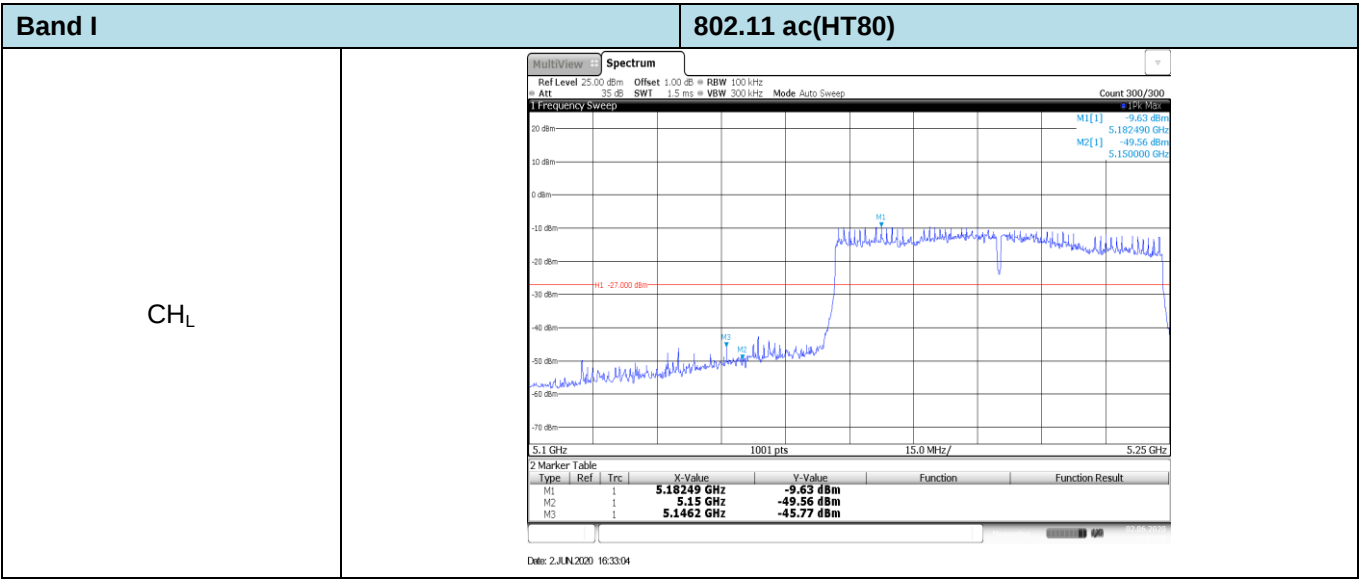


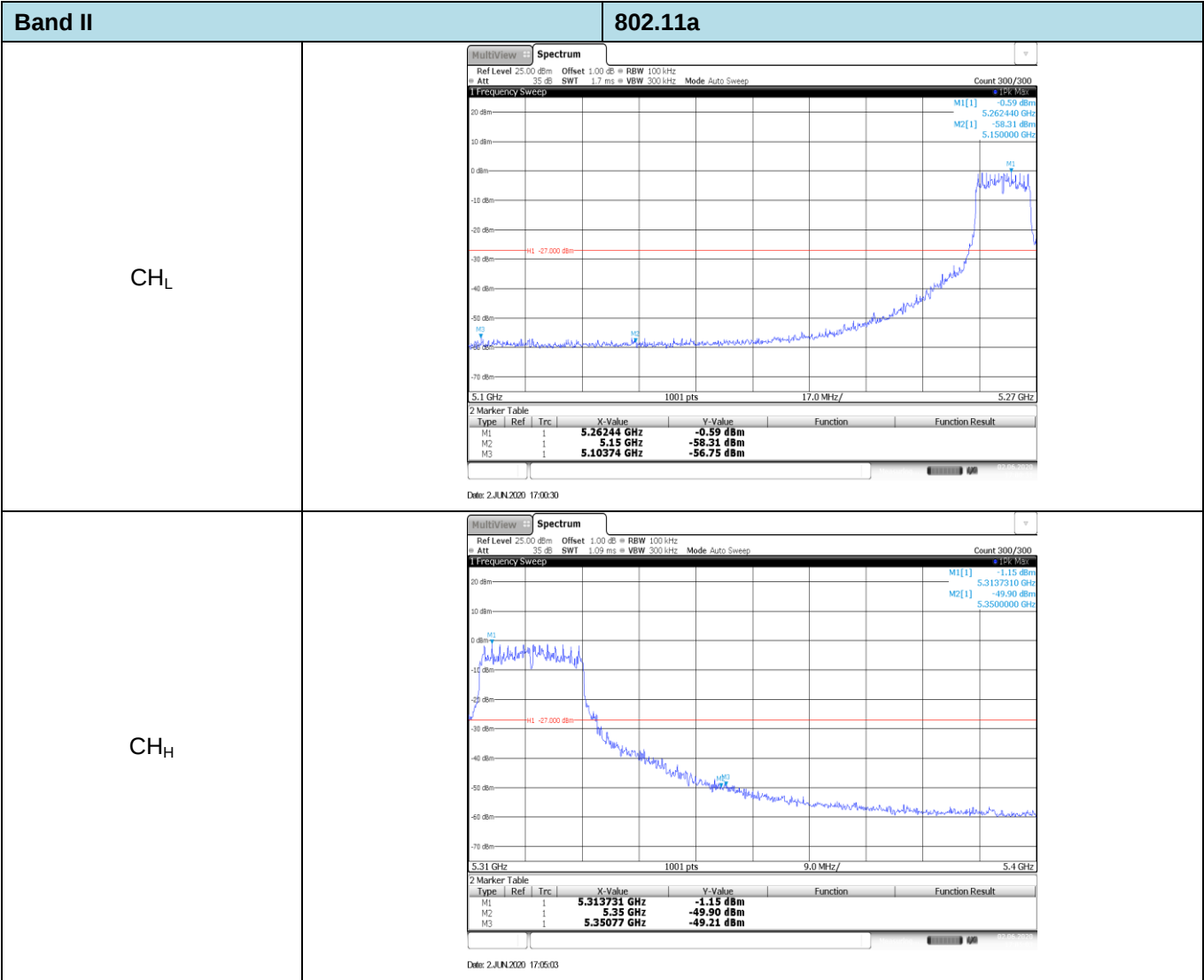












Band II

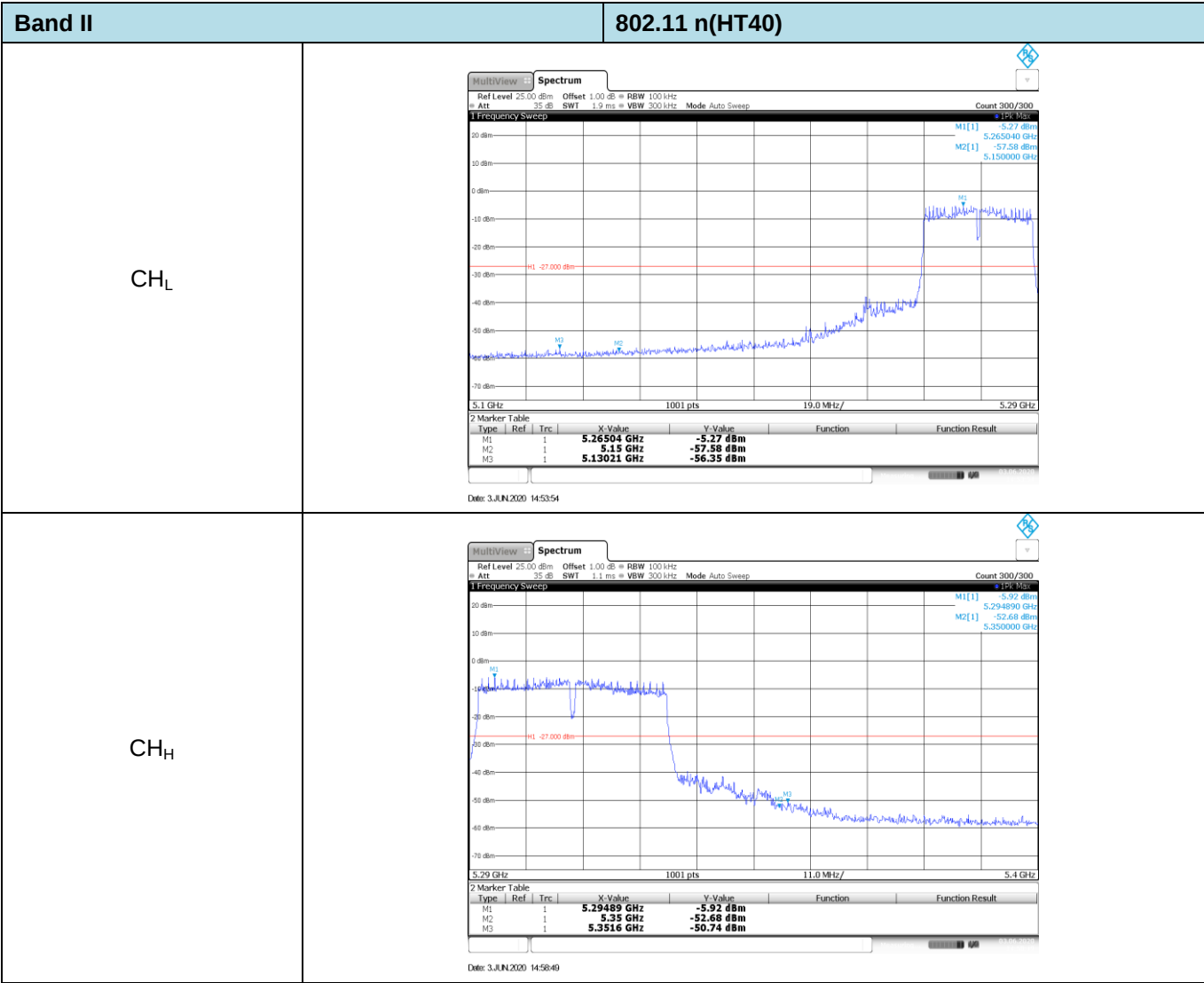
802.11n (HT20)

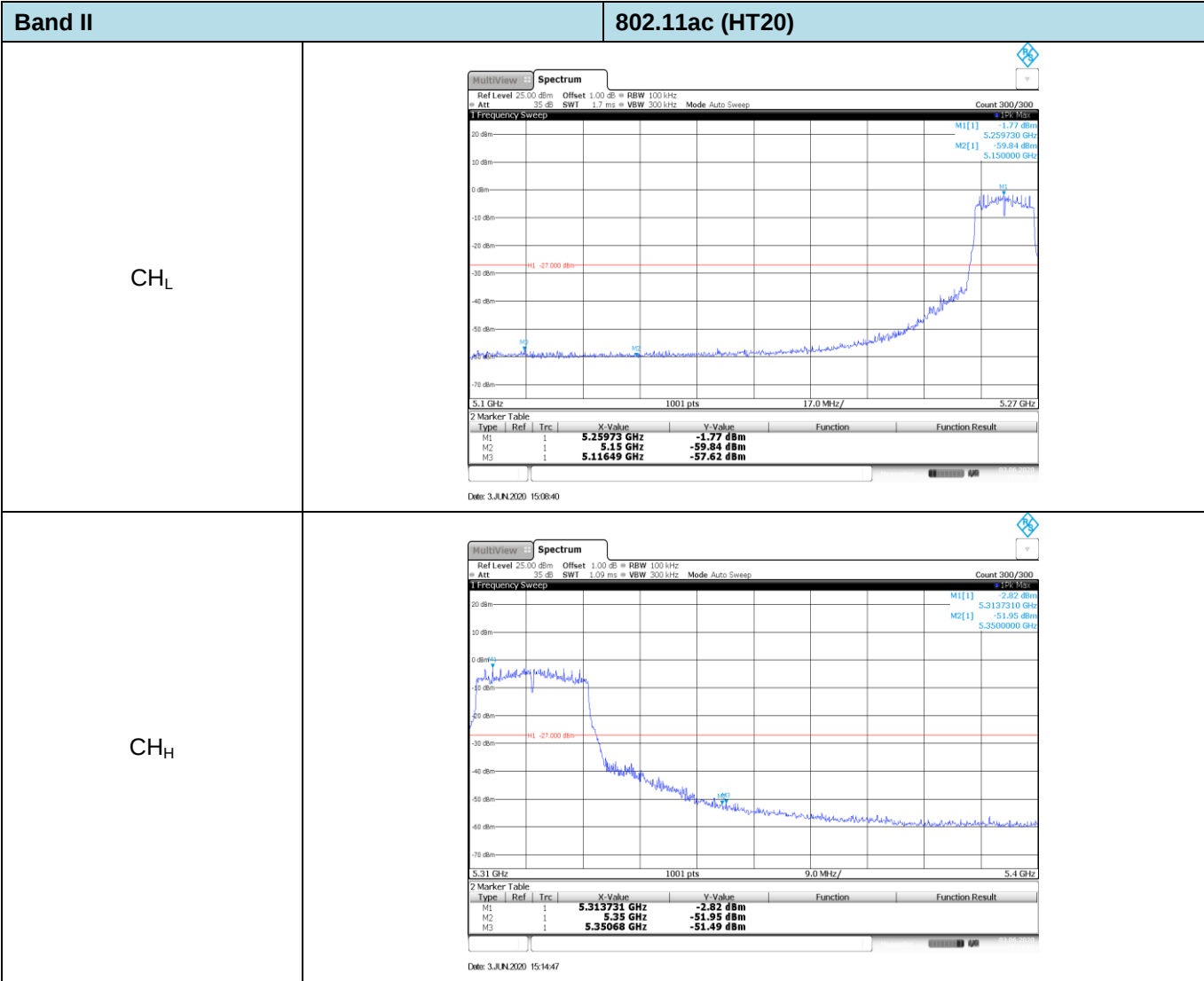
CH_L

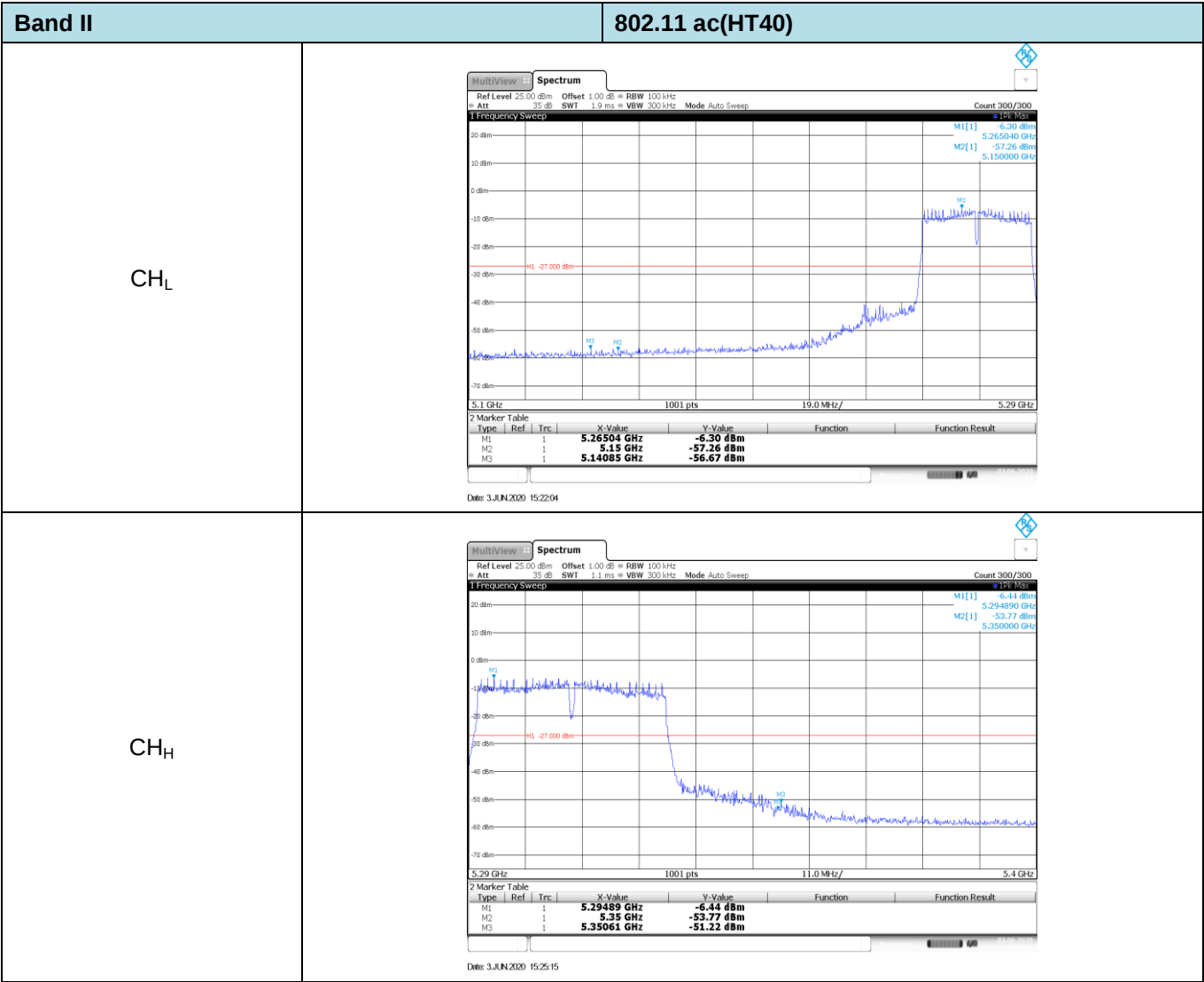
Ref Level 25.00 dBm Offset 1.00 dB BW 100 kHz
ATT 35 dB SWT 1.7 ms VBW 300 kHz Mode Auto Sweep
Count 300/300
Frequency Sweep
M1[1] -1.32 dBm
M2[1] 5.259560 GHz
M2[1] -59.81 dBm
5.1 GHz 1001 pts 17.0 MHz/ 5.7 GHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 5.25956 GHz -1.32 dBm
M2 1 5.15 GHz -59.81 dBm
M3 1 5.10493 GHz -57.71 dBm
Date: 2 JUN 2020 17:07:37

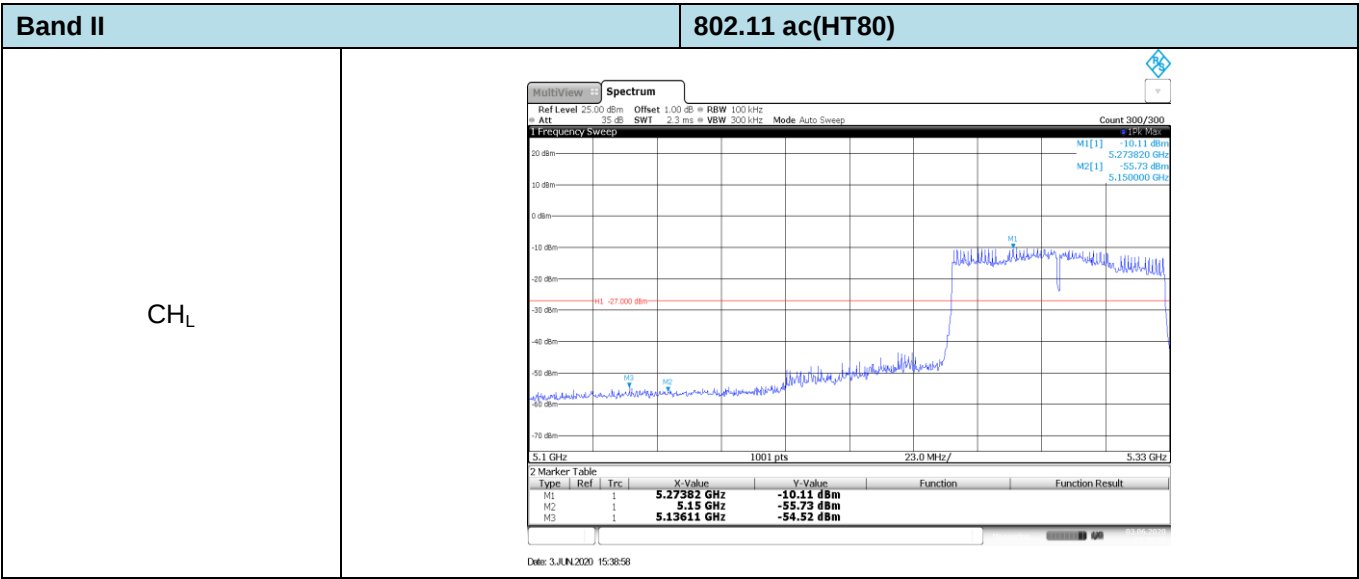
CH_H

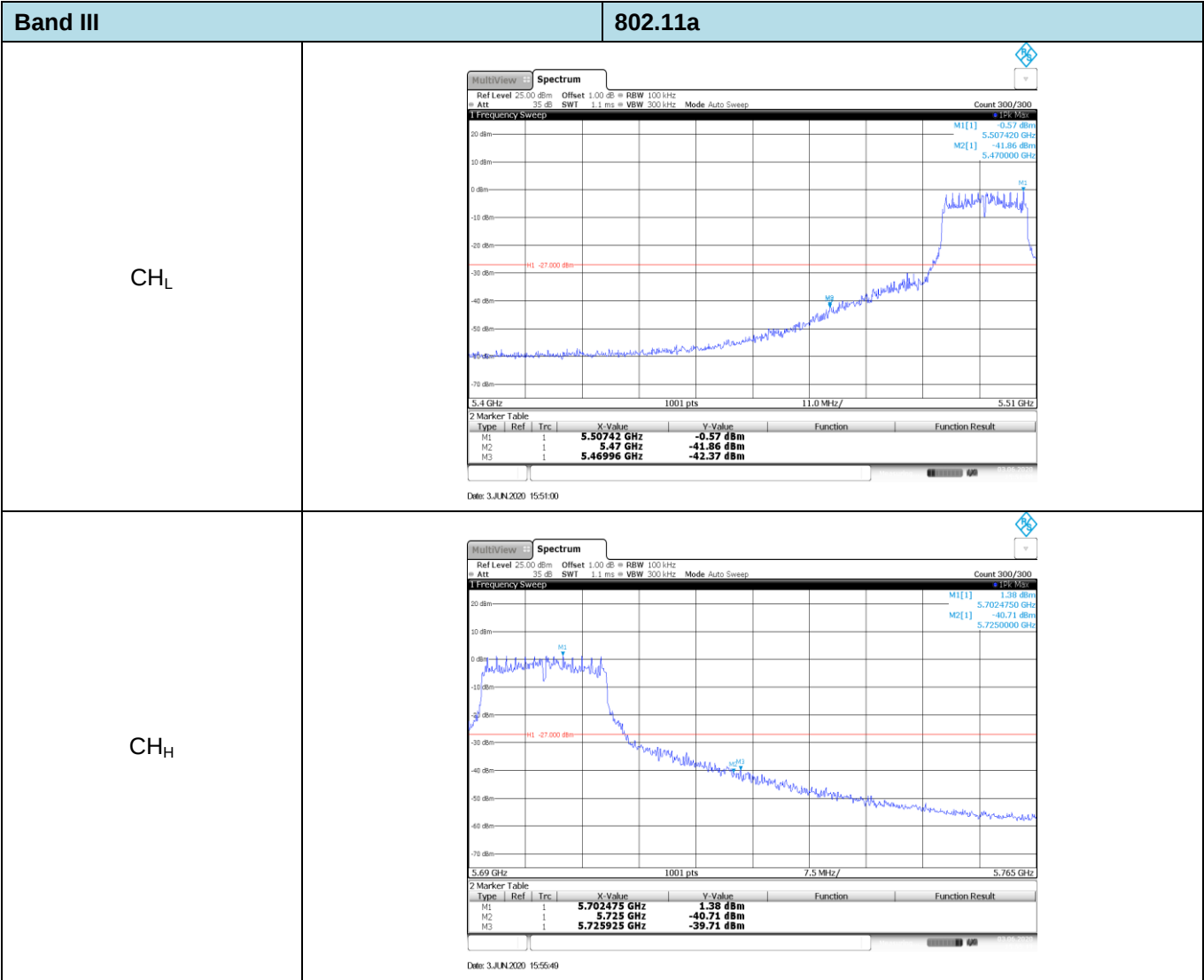
Ref Level 25.00 dBm Offset 1.00 dB BW 100 kHz
ATT 35 dB SWT 1.09 ms VBW 300 kHz Mode Auto Sweep
Count 300/300
Frequency Sweep
M1[1] -2.65 dBm
M2[1] 5.3137310 GHz
M2[1] -50.74 dBm
5.31 GHz 1001 pts 9.0 MHz/ 5.4 GHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 5.313731 GHz -2.65 dBm
M2 1 5.35 GHz -50.74 dBm
M3 1 5.35059 GHz -49.80 dBm
Date: 2 JUN 2020 17:12:53

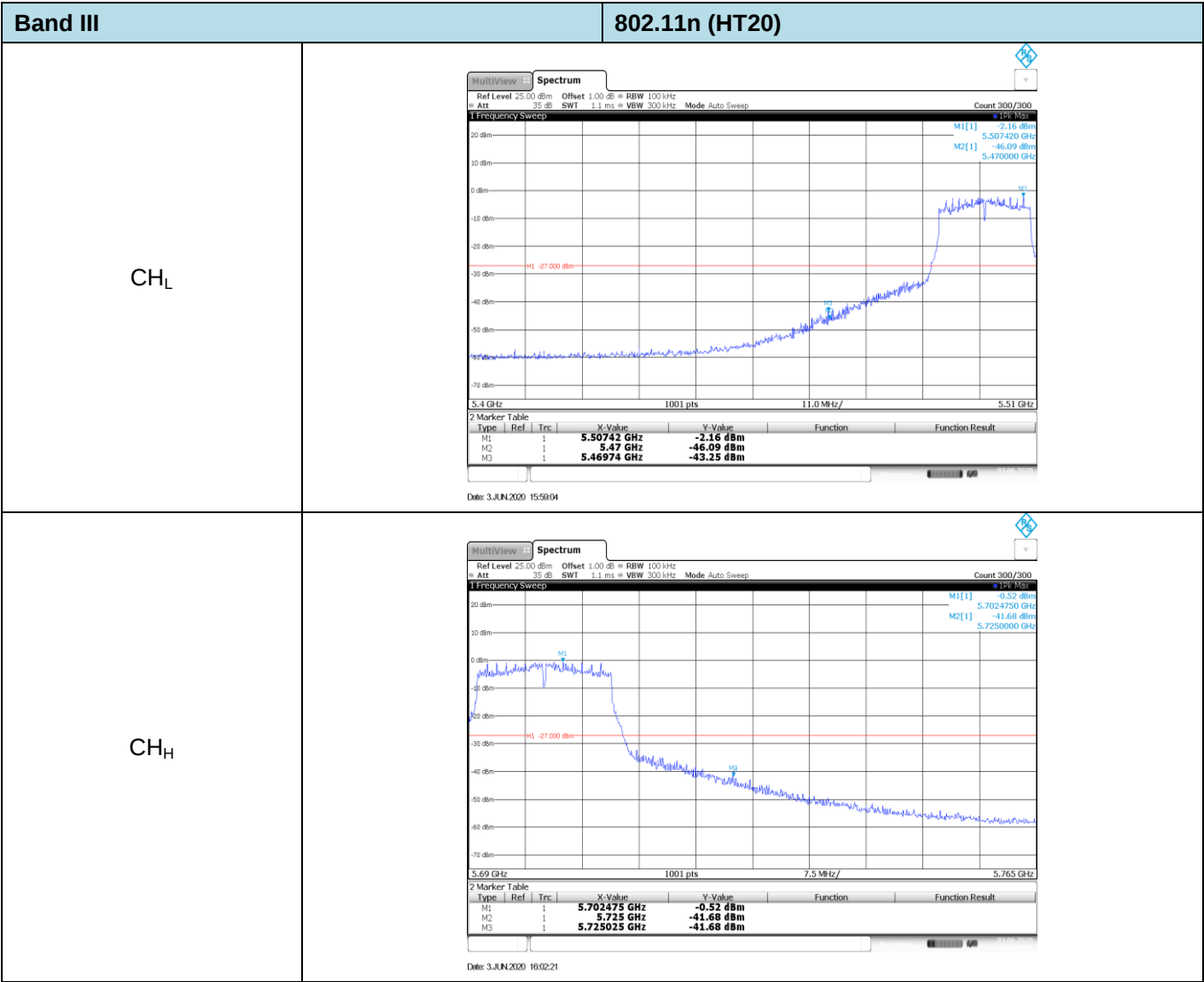


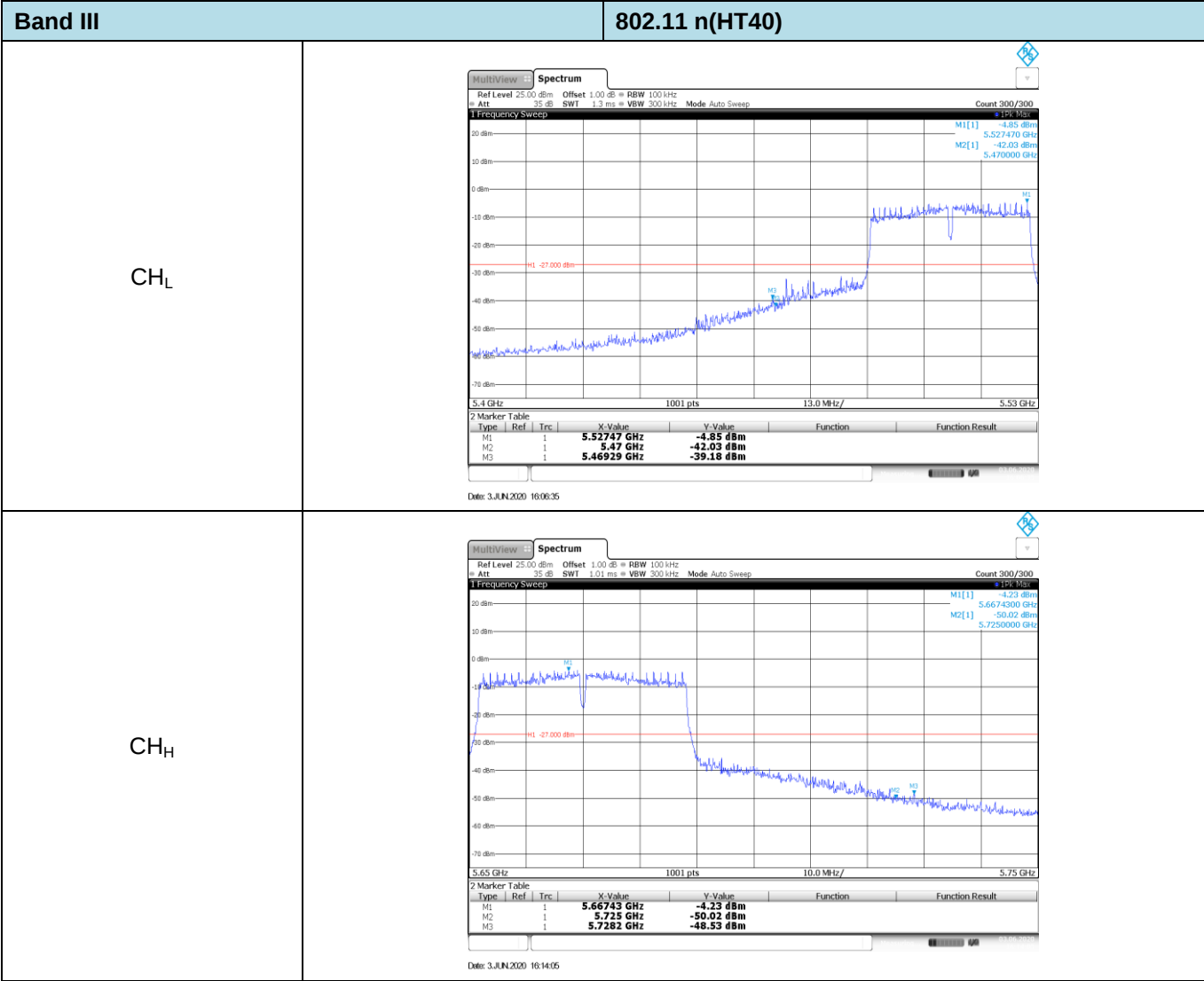


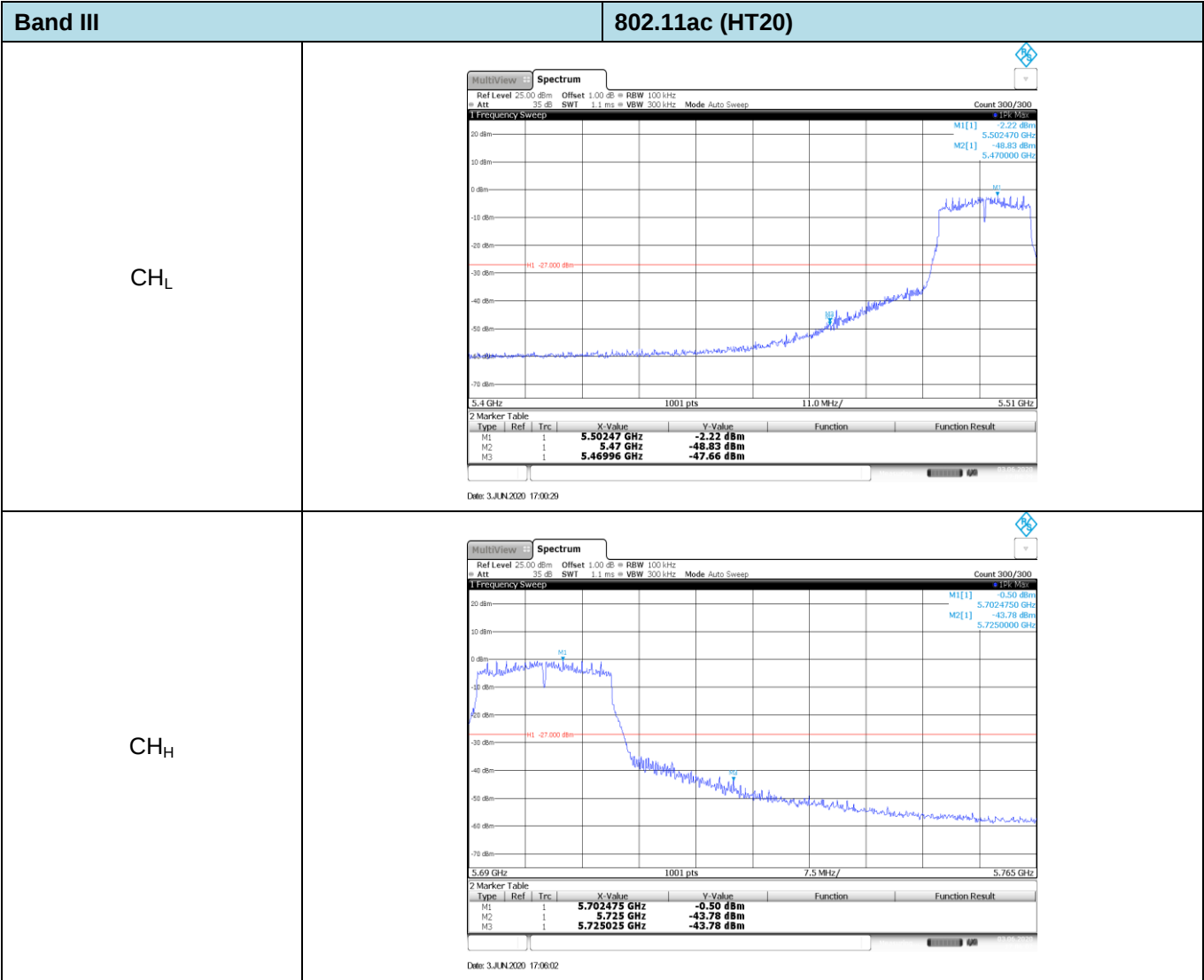


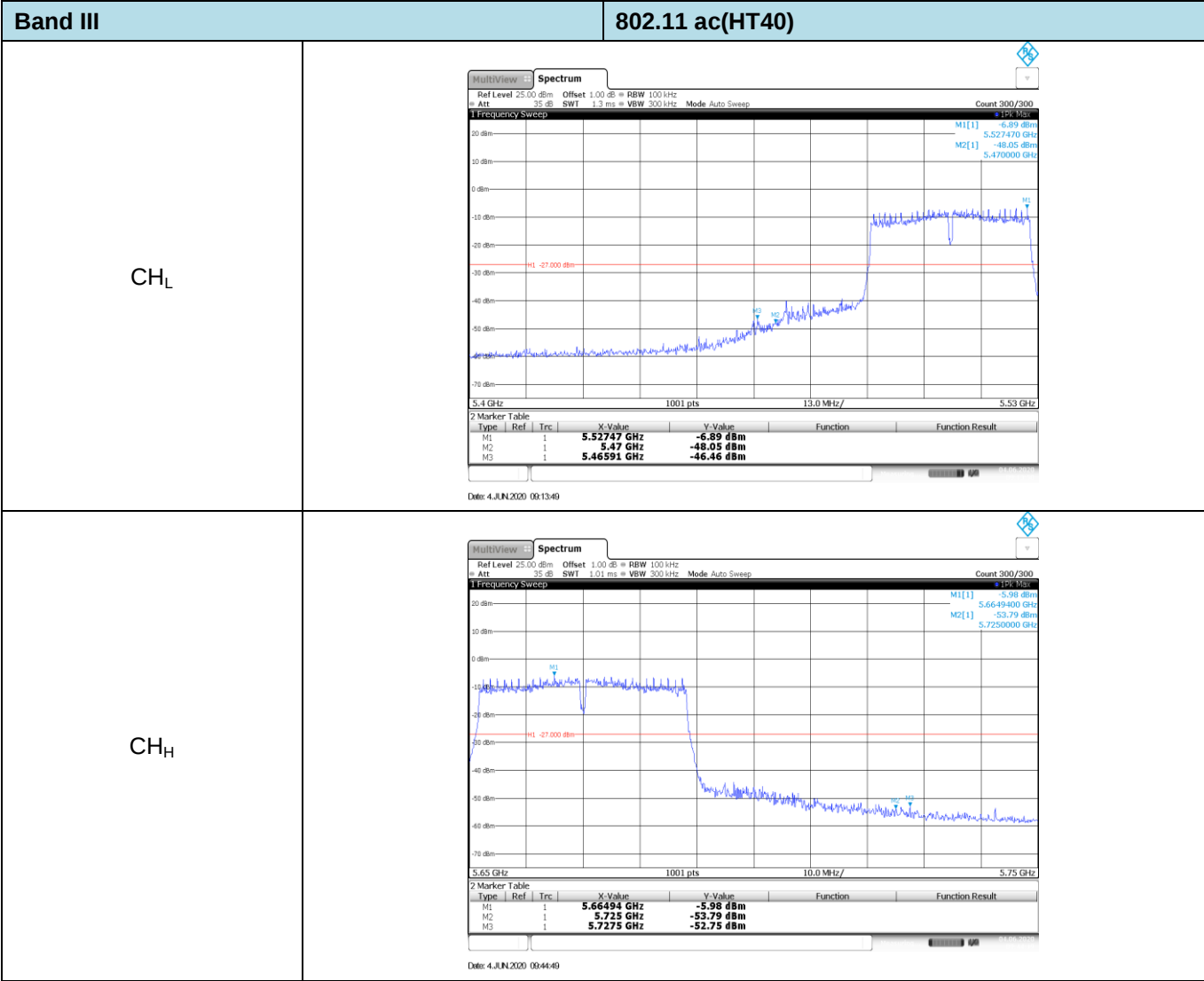


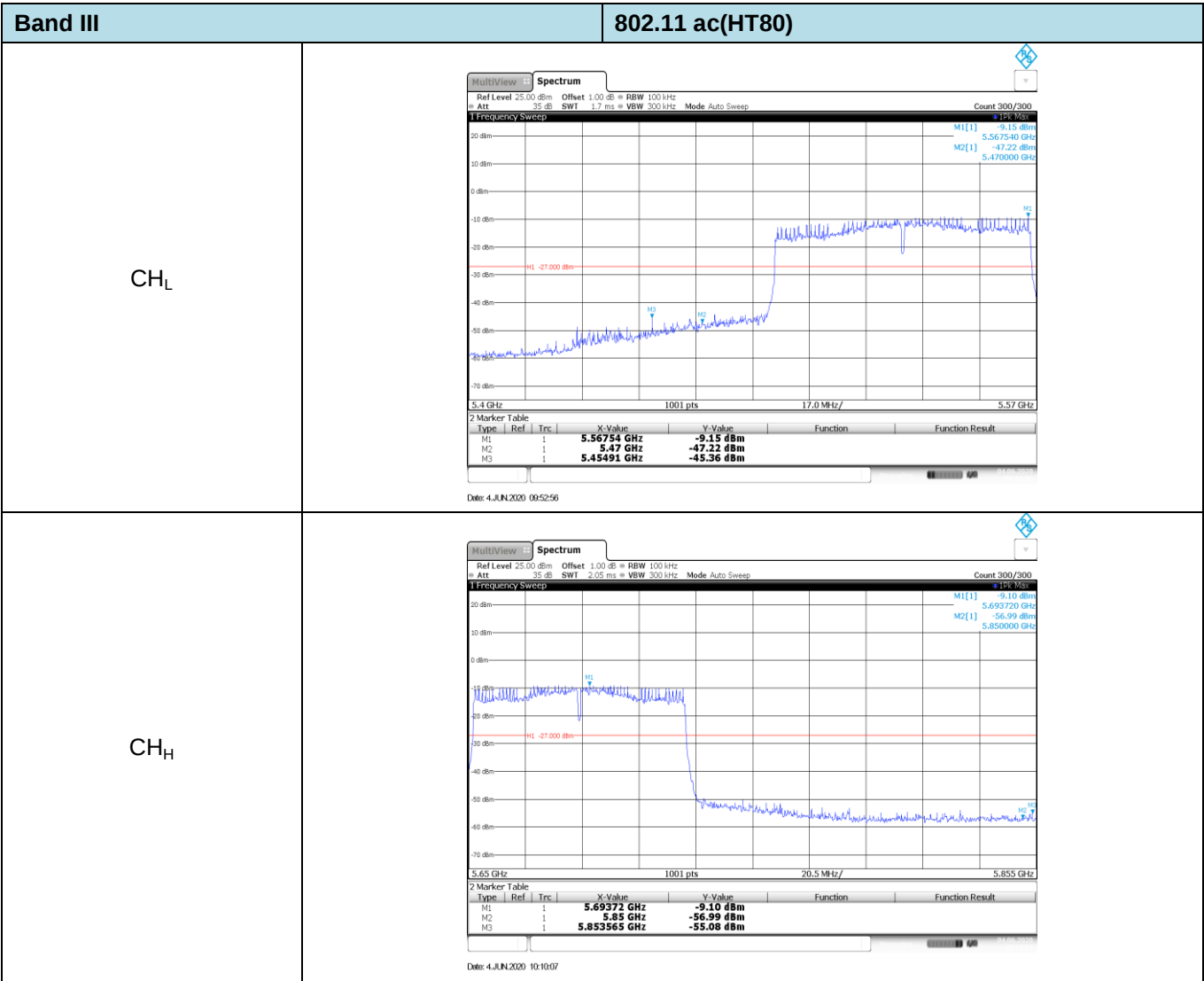


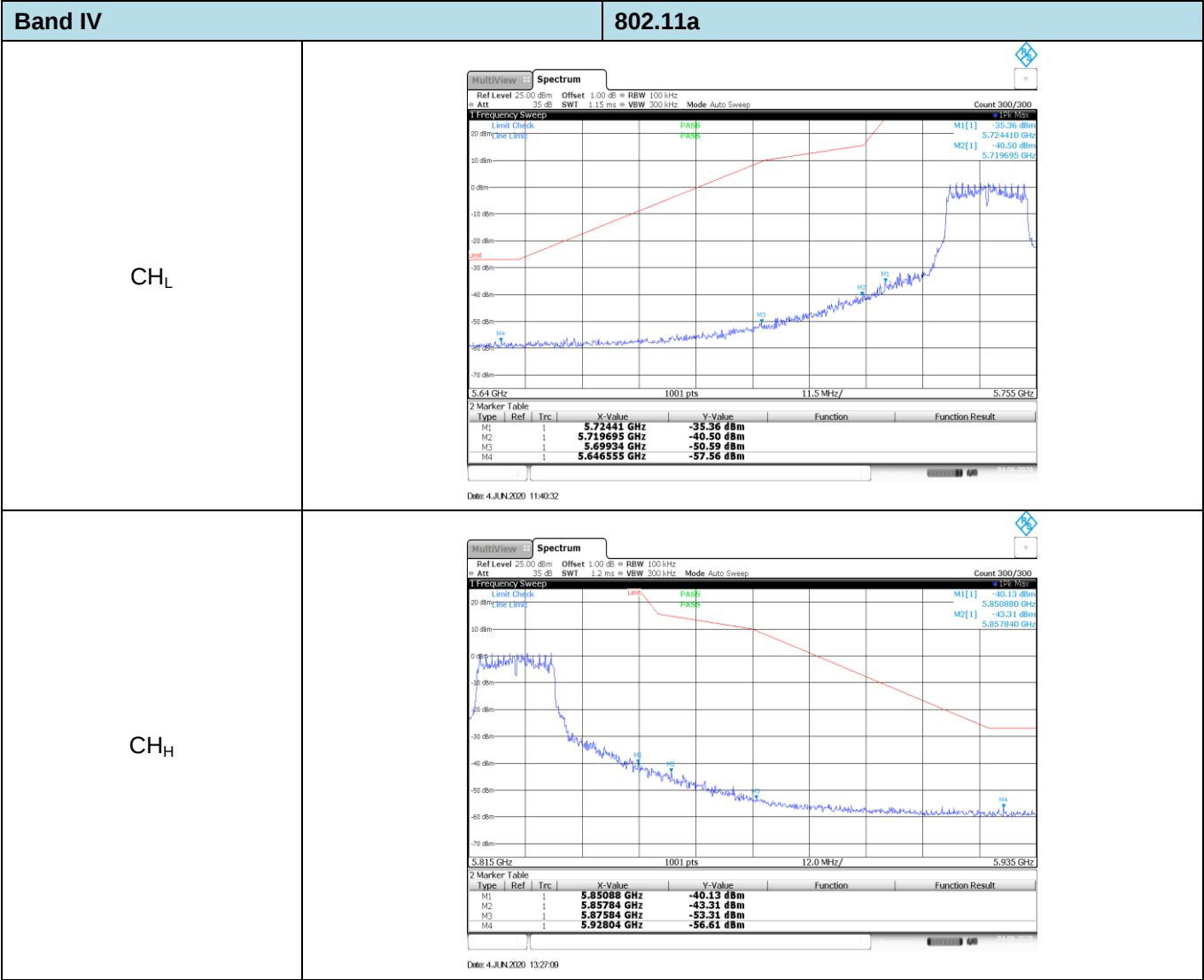


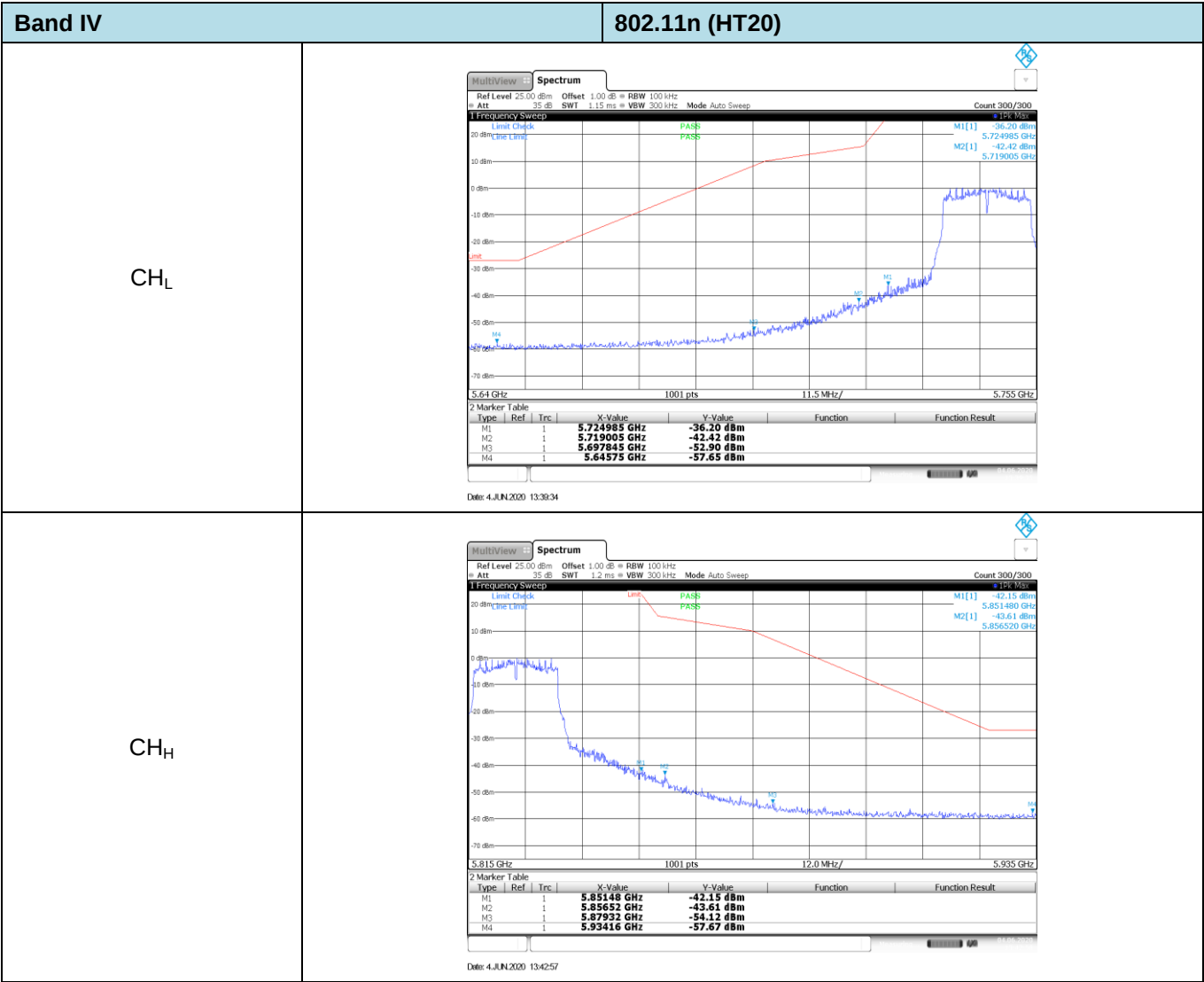


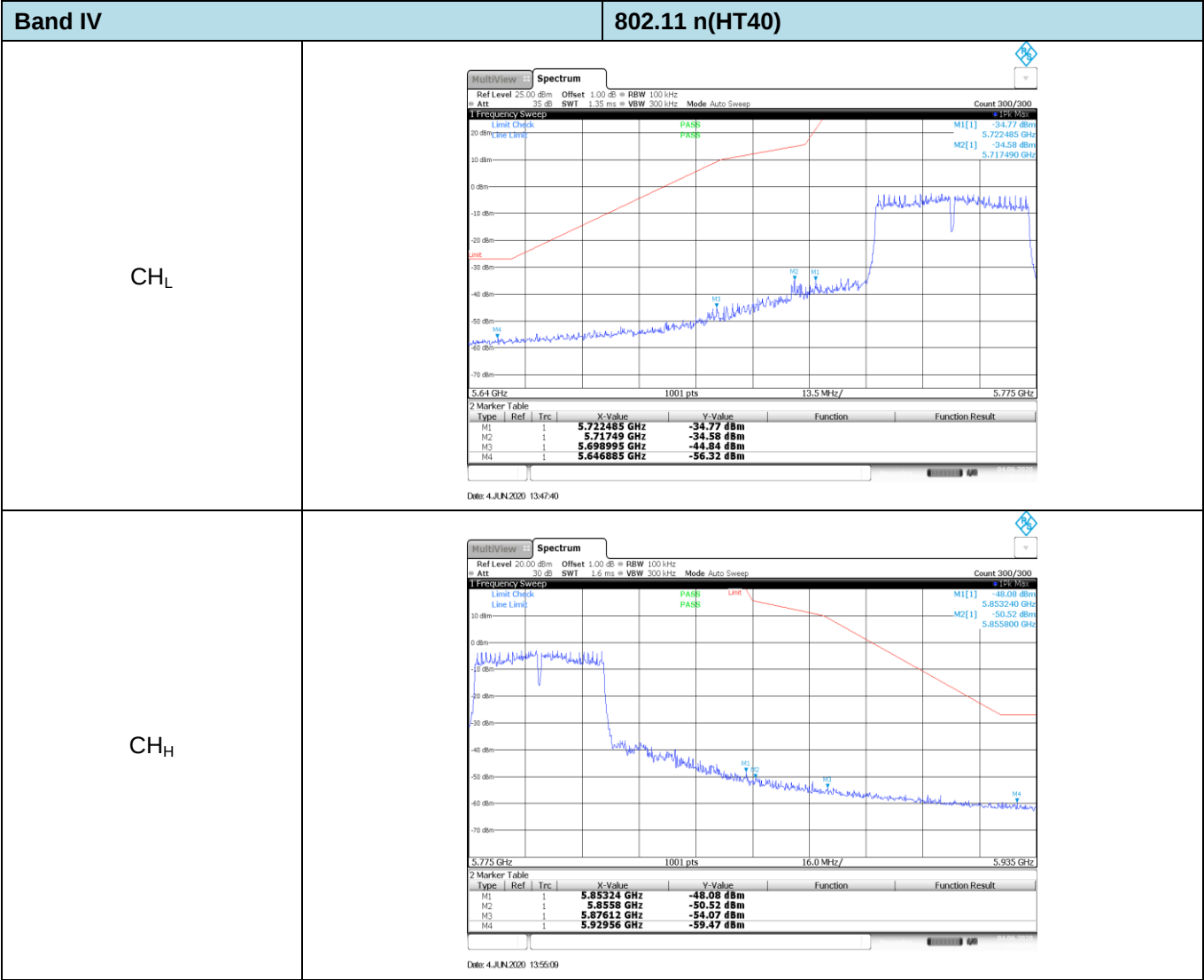


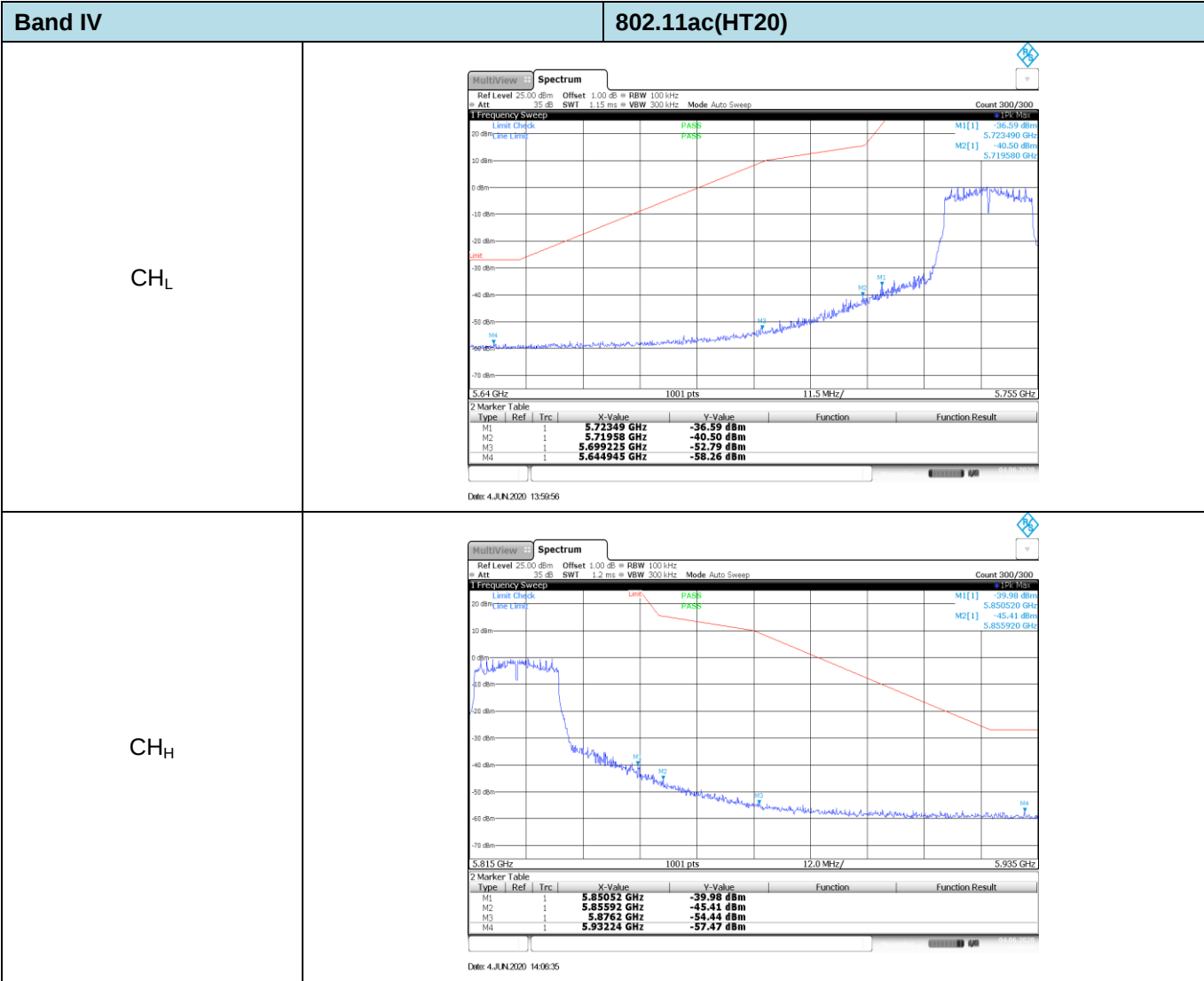


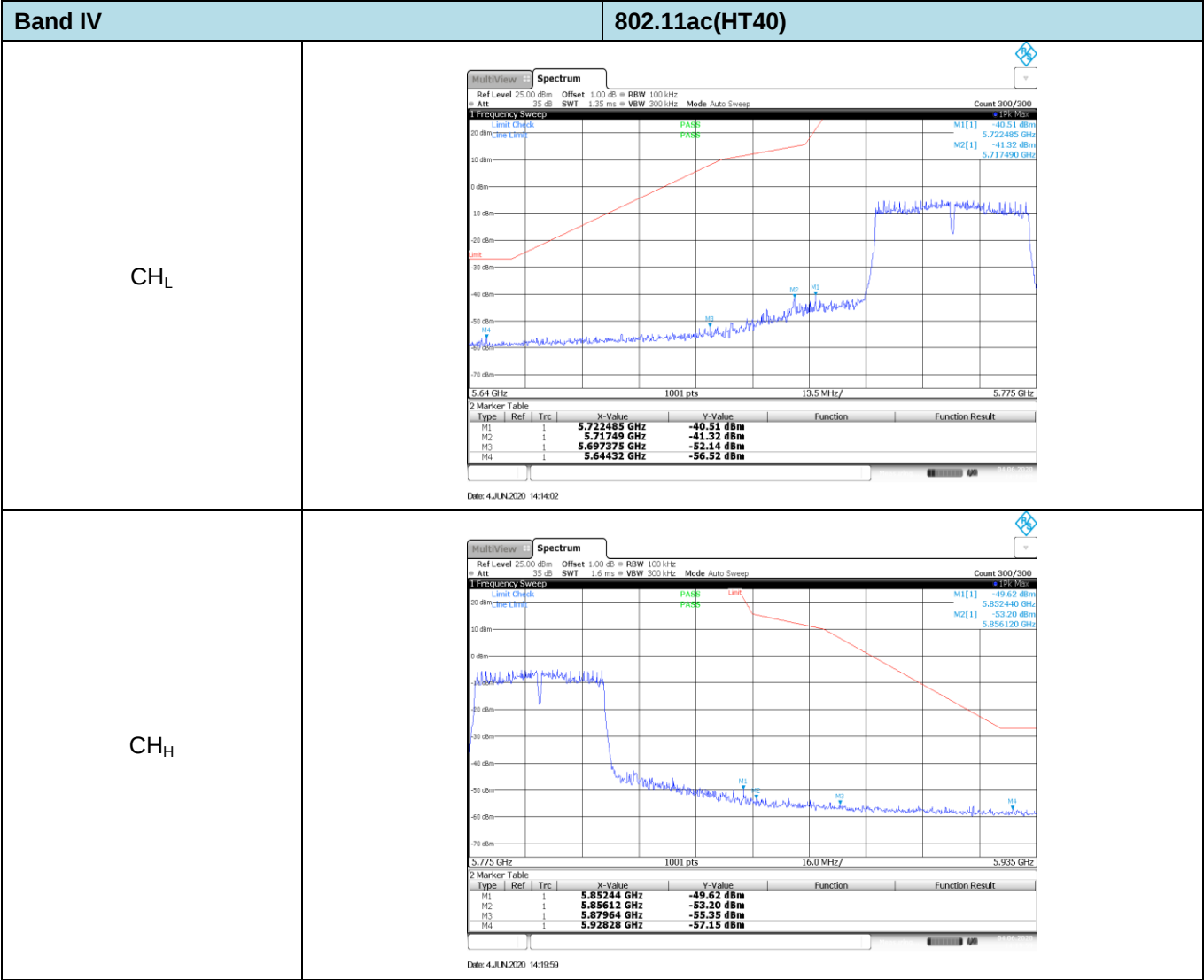


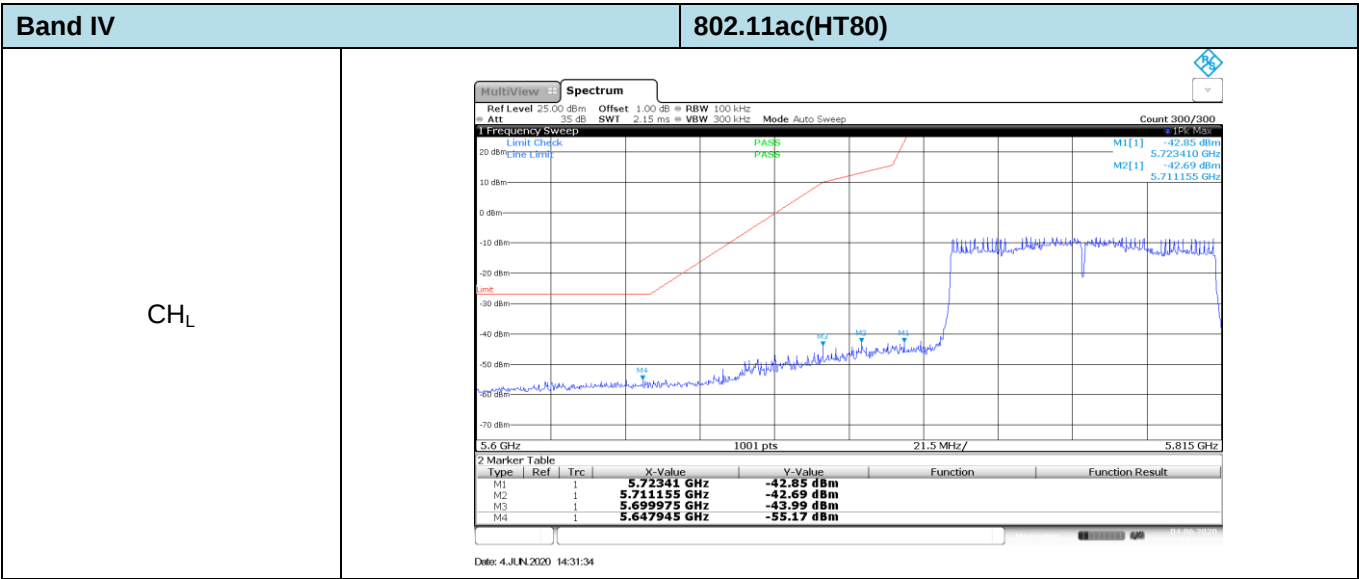












Appendix F: Frequency stability

Voltage VS Frequency stability

Band: I			Test Frequency: 5180.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	4000.00	0.77220	PASS
T _N	V _N	4000.00	0.77220	PASS
T _N	V _H	4000.00	0.77220	PASS

Band: II			Test Frequency: 5260.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	4000.00	0.76046	PASS
T _N	V _N	5000.00	0.95057	PASS
T _N	V _H	5000.00	0.95057	PASS

Band: III			Test Frequency: 5500.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	4000.00	0.72727	PASS
T _N	V _N	4000.00	0.72727	PASS
T _N	V _H	4000.00	0.72727	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	20000.00	3.48129	PASS
T _N	V _N	20000.00	3.48129	PASS
T _N	V _H	21000.00	3.65535	PASS

Temperature VS Frequency stability

Band: I			Test Frequency: 5180.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	4000.00	0.77220	PASS
V _N	-10	4000.00	0.77220	PASS
V _N	0	4000.00	0.77220	PASS
V _N	10	4000.00	0.77220	PASS
V _N	20	4000.00	0.77220	PASS
V _N	30	4000.00	0.77220	PASS
V _N	40	4000.00	0.77220	PASS
V _N	50	4000.00	0.77220	PASS

Band: II			Test Frequency: 5260.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	4000.00	0.76046	PASS
V _N	-10	4000.00	0.76046	PASS
V _N	0	4000.00	0.76046	PASS
V _N	10	5000.00	0.95057	PASS
V _N	20	4000.00	0.76046	PASS
V _N	30	4000.00	0.76046	PASS
V _N	40	4000.00	0.76046	PASS
V _N	50	4000.00	0.76046	PASS

Band: III			Test Frequency: 5500.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	3000.00	0.54546	PASS
V _N	-10	3000.00	0.54546	PASS
V _N	0	4000.00	0.72727	PASS
V _N	10	4000.00	0.72727	PASS
V _N	20	4000.00	0.72727	PASS
V _N	30	5000.00	0.90909	PASS
V _N	40	4000.00	0.72727	PASS
V _N	50	4000.00	0.72727	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	21000.00	3.65535	PASS
V _N	-10	21000.00	3.65535	PASS
V _N	0	22000.00	3.82942	PASS
V _N	10	22000.00	3.82942	PASS
V _N	20	22000.00	3.82942	PASS
V _N	30	22000.00	3.82942	PASS
V _N	40	22000.00	3.82942	PASS
V _N	50	22000.00	3.82942	PASS

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