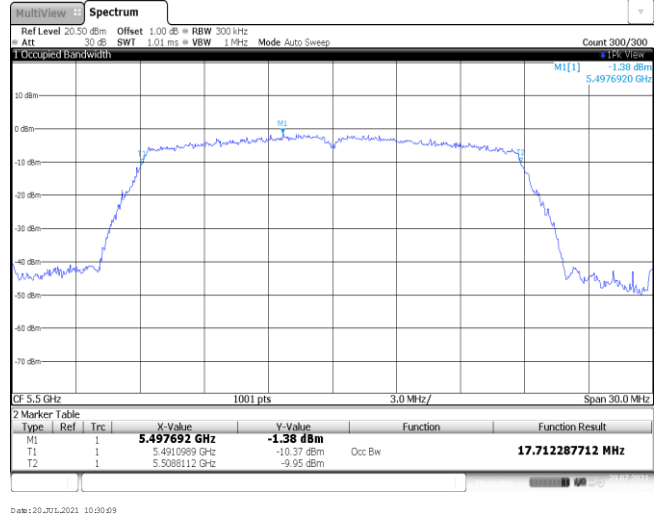


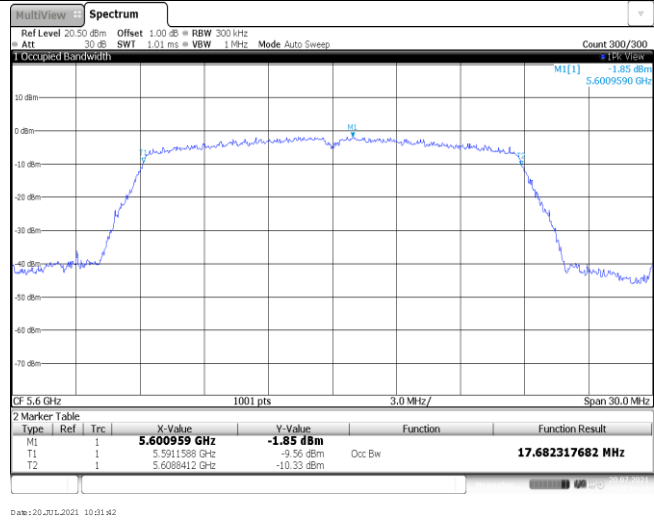
Band III

802.11ac (HT20)

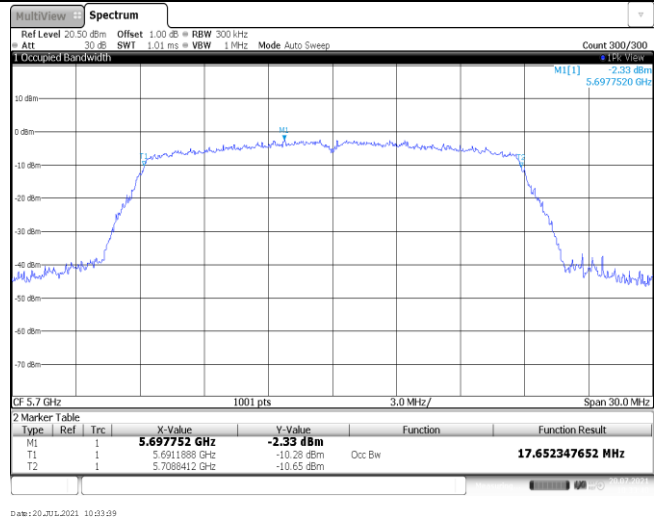
CH<sub>L</sub>



CH<sub>M</sub>



CH<sub>H</sub>



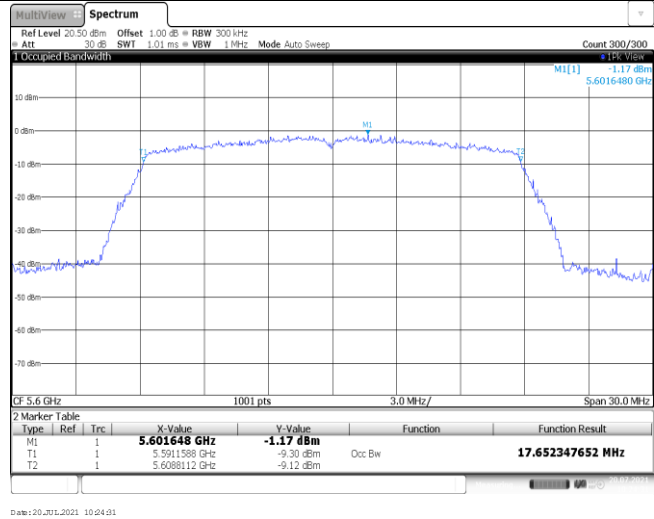
Band III

802.11n (HT20)

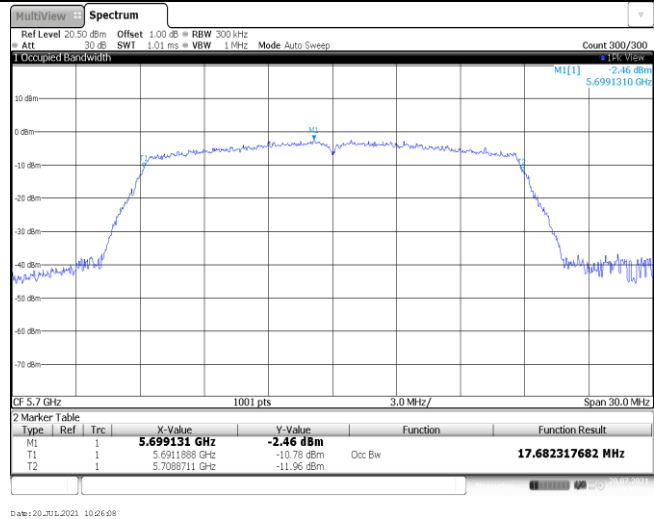
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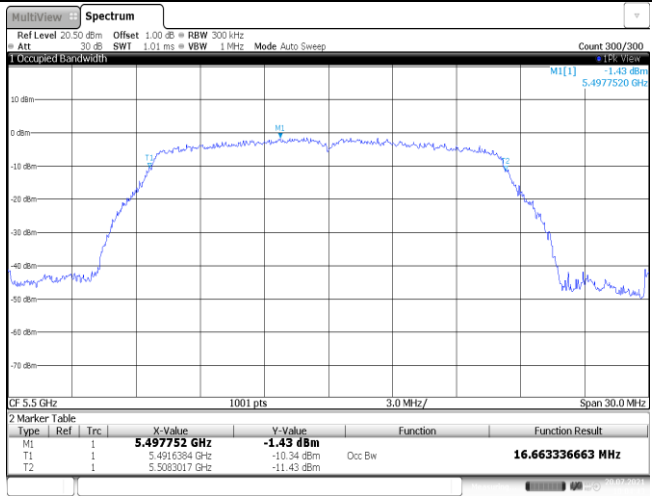
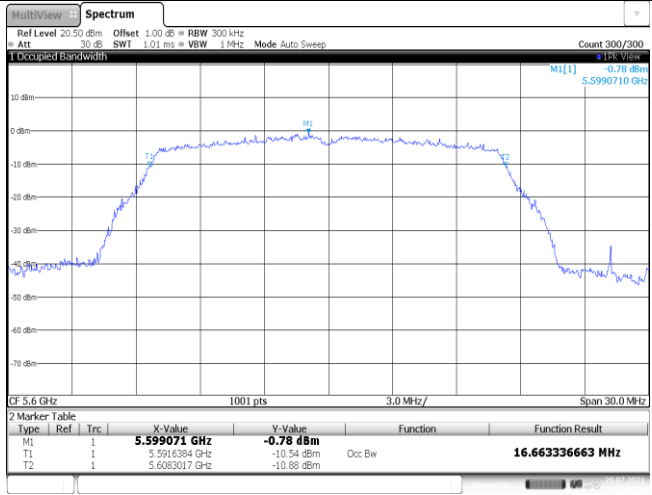
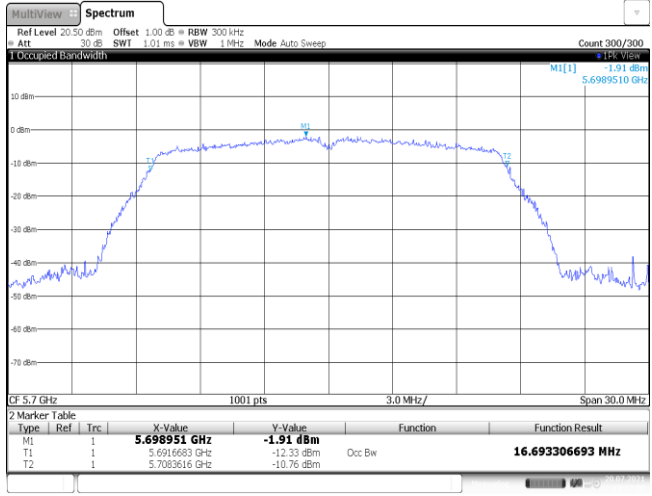


CH<sub>M</sub>



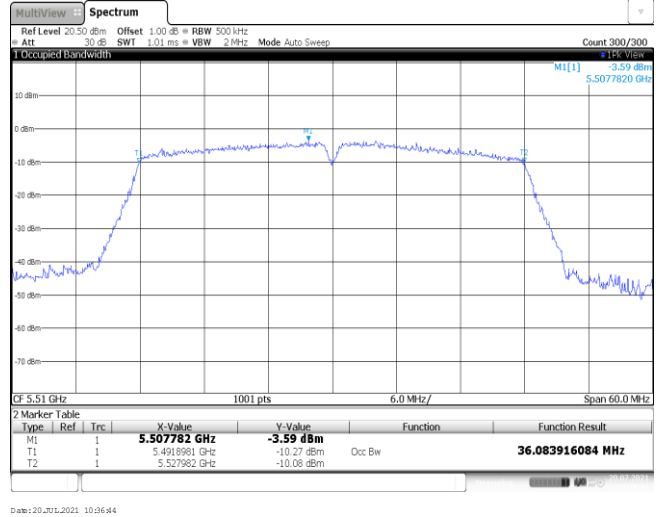
CH<sub>H</sub>



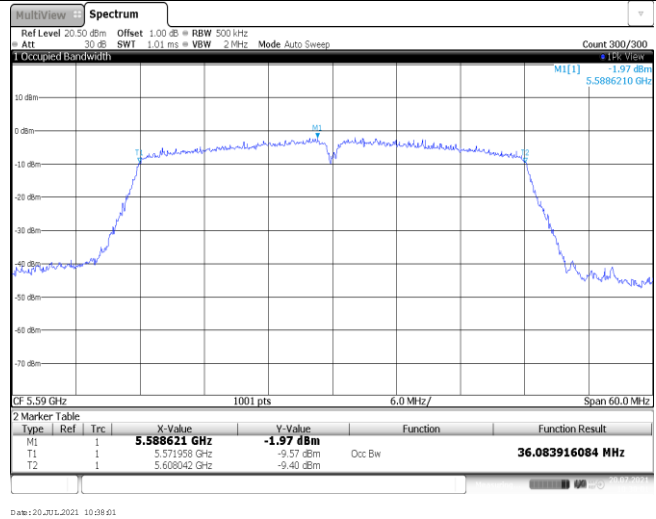
Band III		802.11a																												
CH <sub>L</sub>	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/200</p> <p>1 Occupied Bandwidth</p> <p>CF 5.5 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <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>5.497752 GHz</td> <td>-1.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.4916384 GHz</td> <td>-10.34 dBm</td> <td>Occ Bw</td> <td>16.66336663 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.5083017 GHz</td> <td>-11.43 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20.10.2021 10:14:43</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.497752 GHz	-1.43 dBm			T1	1		5.4916384 GHz	-10.34 dBm	Occ Bw	16.66336663 MHz	T2	1		5.5083017 GHz	-11.43 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.497752 GHz	-1.43 dBm																										
T1	1		5.4916384 GHz	-10.34 dBm	Occ Bw	16.66336663 MHz																								
T2	1		5.5083017 GHz	-11.43 dBm																										
CH <sub>M</sub>	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/200</p> <p>1 Occupied Bandwidth</p> <p>CF 5.6 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>5.599071 GHz</td> <td>-0.78 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.5916384 GHz</td> <td>-10.54 dBm</td> <td>Occ Bw</td> <td>16.66336663 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.6083017 GHz</td> <td>-10.88 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20.10.2021 10:14:38</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.599071 GHz	-0.78 dBm			T1	1		5.5916384 GHz	-10.54 dBm	Occ Bw	16.66336663 MHz	T2	1		5.6083017 GHz	-10.88 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.599071 GHz	-0.78 dBm																										
T1	1		5.5916384 GHz	-10.54 dBm	Occ Bw	16.66336663 MHz																								
T2	1		5.6083017 GHz	-10.88 dBm																										
CH <sub>H</sub>	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/200</p> <p>1 Occupied Bandwidth</p> <p>CF 5.7 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>5.698951 GHz</td> <td>-1.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.6916683 GHz</td> <td>-12.33 dBm</td> <td>Occ Bw</td> <td>16.693306693 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.7083616 GHz</td> <td>-10.76 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20.10.2021 10:17:59</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.698951 GHz	-1.91 dBm			T1	1		5.6916683 GHz	-12.33 dBm	Occ Bw	16.693306693 MHz	T2	1		5.7083616 GHz	-10.76 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.698951 GHz	-1.91 dBm																										
T1	1		5.6916683 GHz	-12.33 dBm	Occ Bw	16.693306693 MHz																								
T2	1		5.7083616 GHz	-10.76 dBm																										

**Band III** **802.11ac (HT40)**

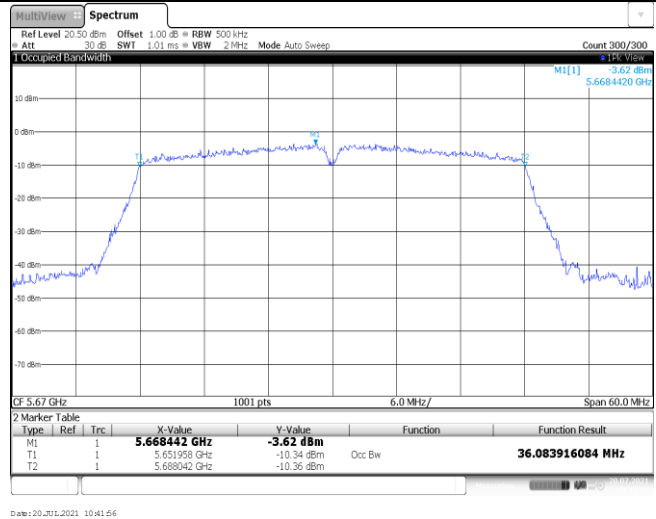
CH<sub>L</sub>



CH<sub>M</sub>



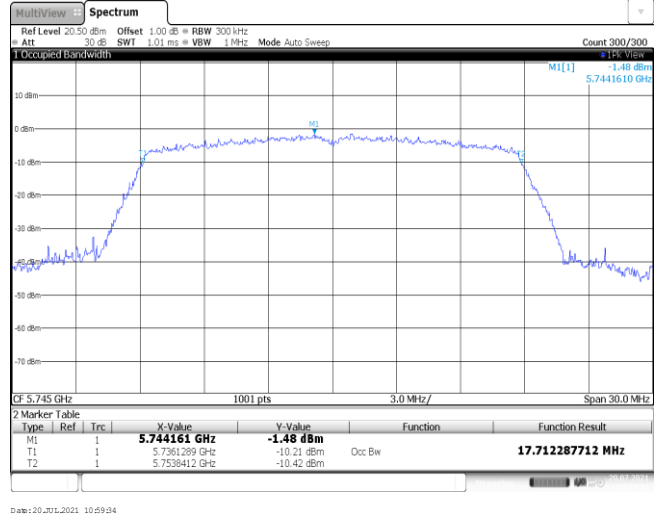
CH<sub>H</sub>



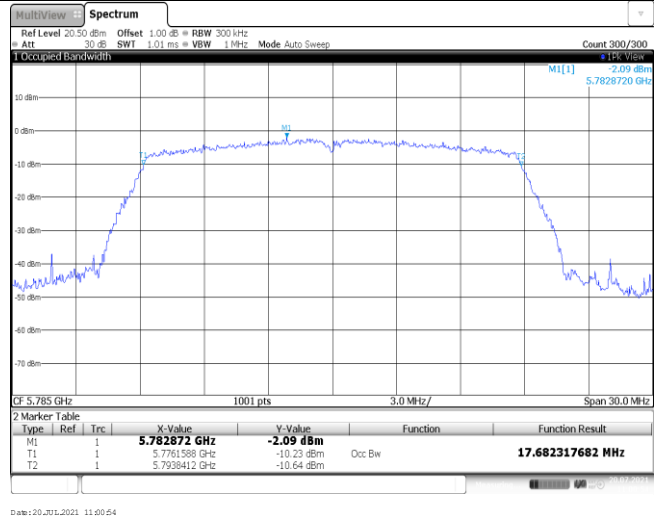
**Band IV**

**802.11ac (HT20)**

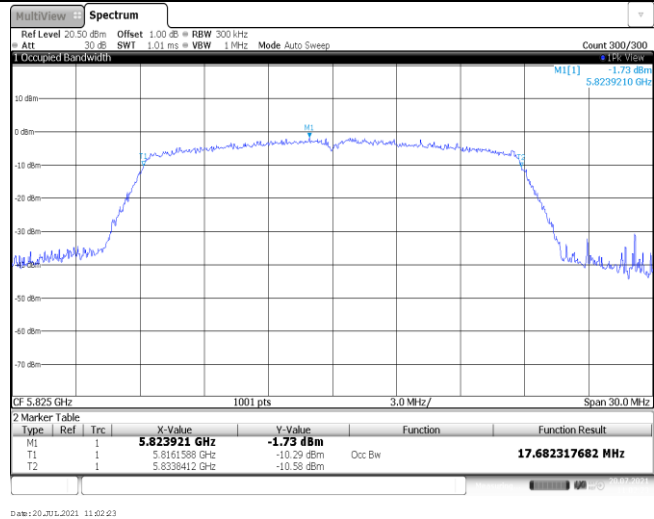
CH<sub>L</sub>



CH<sub>M</sub>



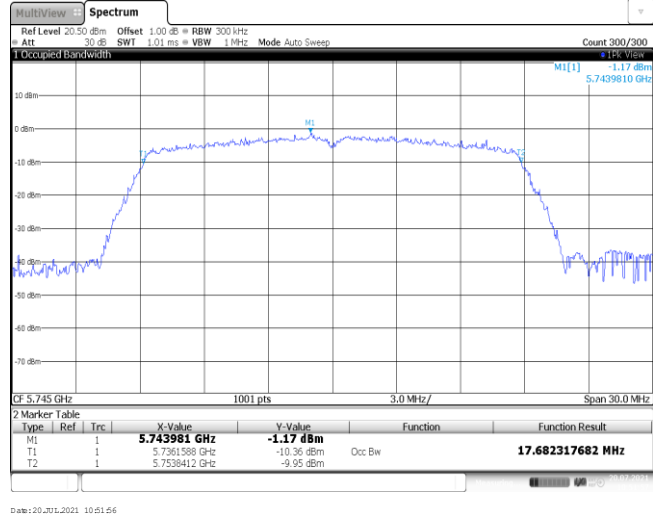
CH<sub>H</sub>



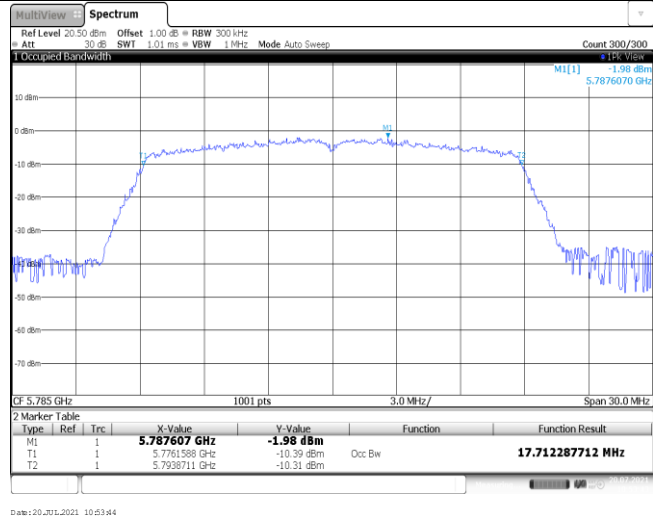
**Band IV**

**802.11n (HT20)**

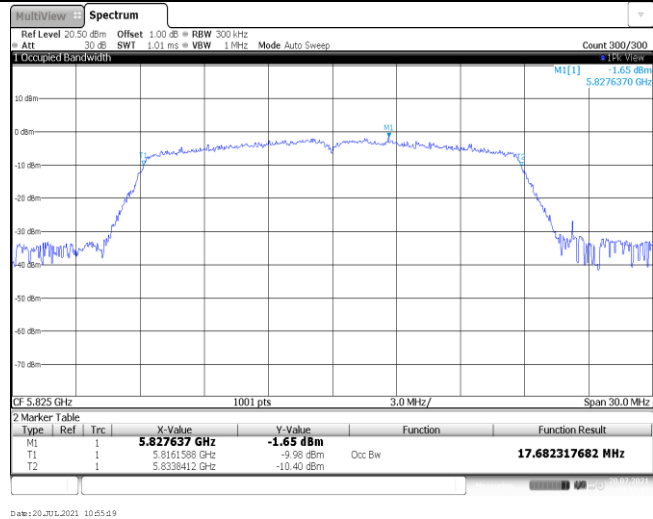
CH<sub>L</sub>

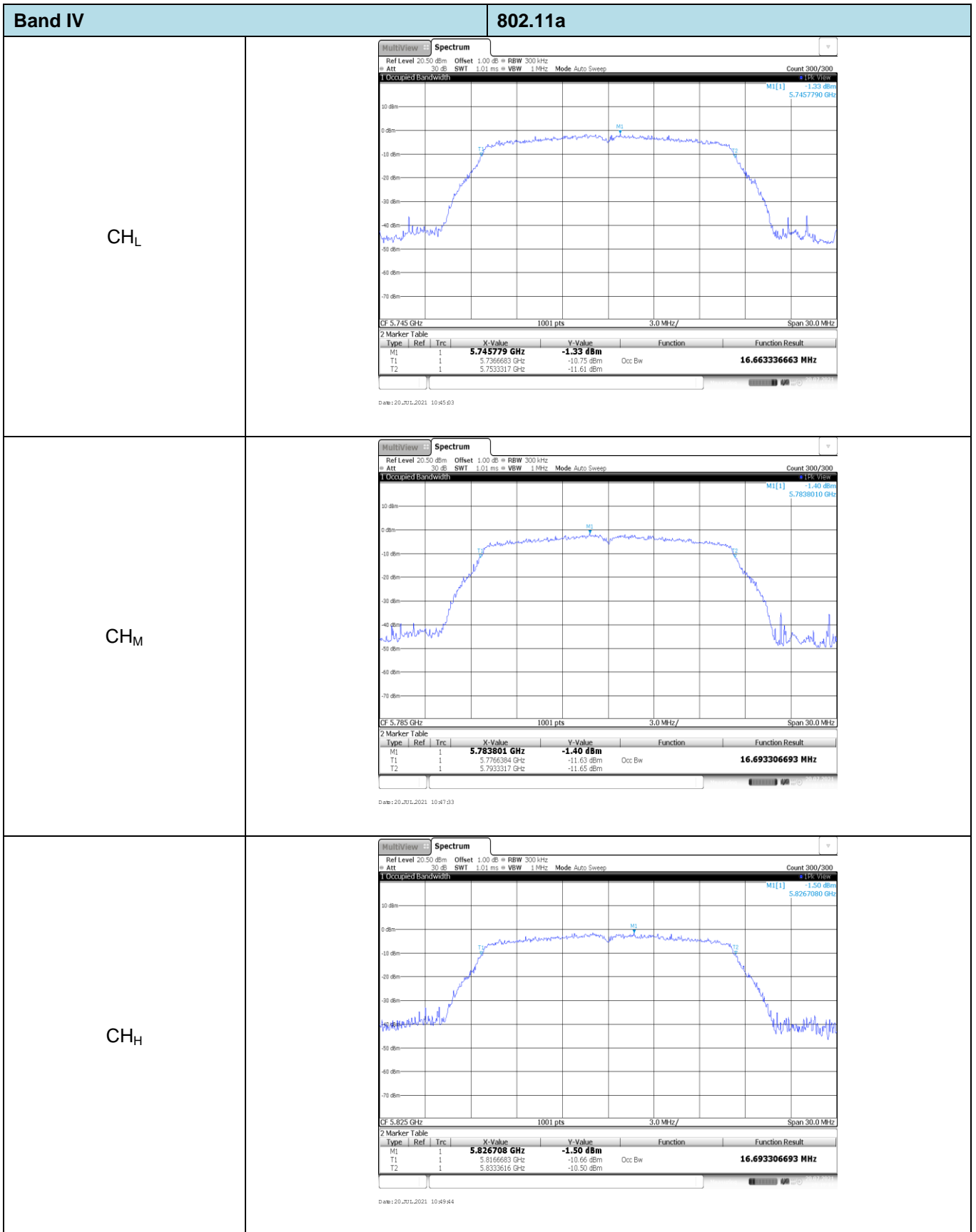


CH<sub>M</sub>



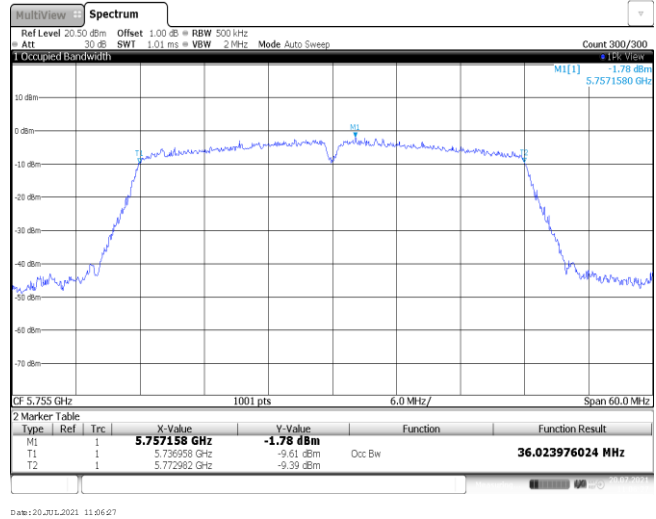
CH<sub>H</sub>



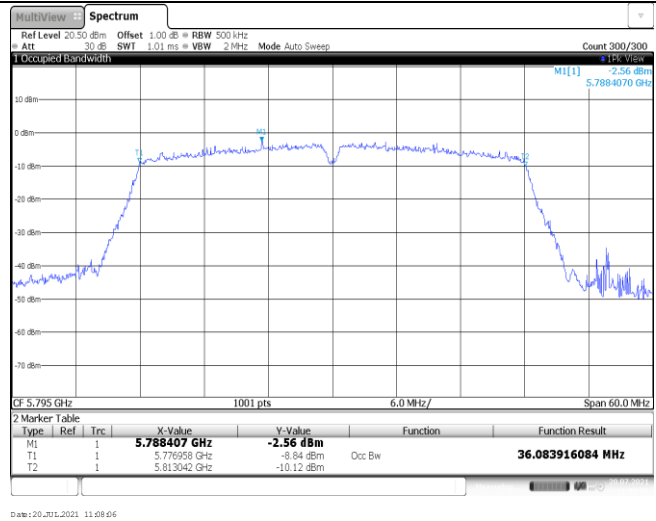


**Band IV** **802.11ac (HT40)**

CH<sub>L</sub>



CH<sub>H</sub>



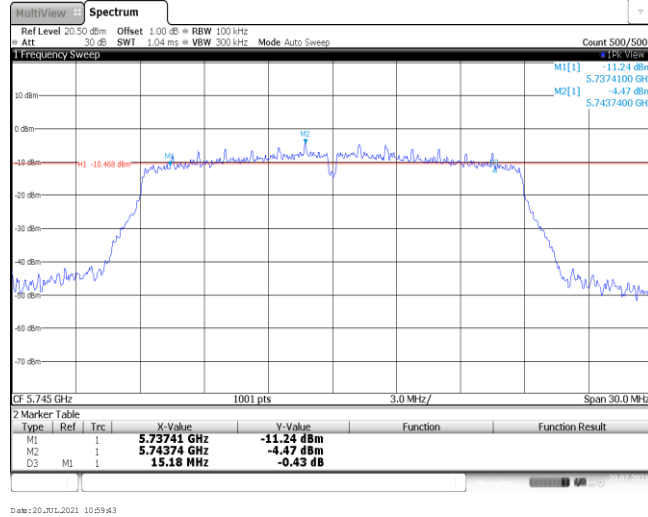


**Appendix E: 6dB Bandwidth**

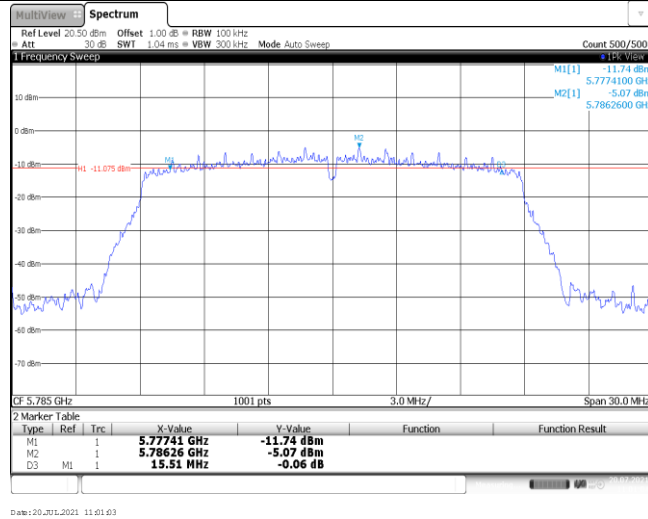
Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH <sub>L</sub>	15.18	Pass
			CH <sub>M</sub>	15.51	
			CH <sub>H</sub>	15.72	
		802.11n	CH <sub>L</sub>	15.42	Pass
			CH <sub>M</sub>	15.36	
			CH <sub>H</sub>	15.69	
		802.11a	CH <sub>L</sub>	15.60	Pass
			CH <sub>M</sub>	15.69	
			CH <sub>H</sub>	15.60	
	40	802.11ac	CH <sub>L</sub>	35.22	Pass
			CH <sub>H</sub>	35.28	

**Band IV** **802.11ac (HT20)**

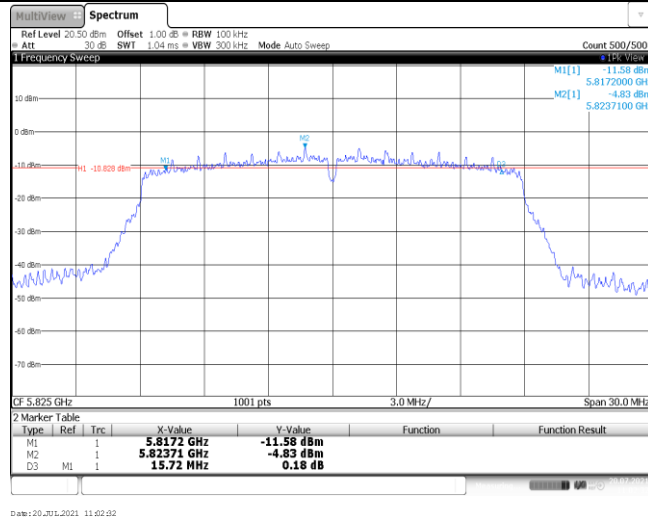
CH<sub>L</sub>



CH<sub>M</sub>



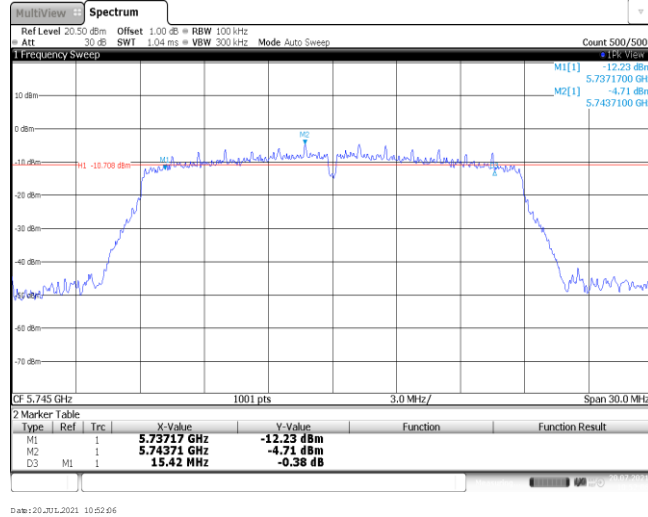
CH<sub>H</sub>



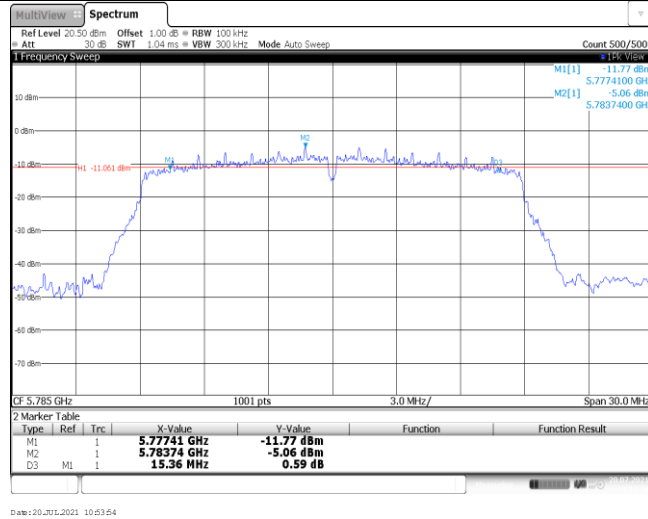
**Band IV**

**802.11n (HT20)**

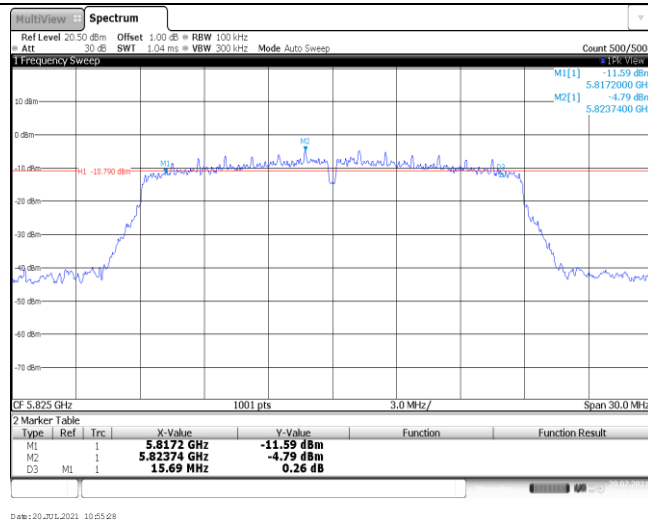
CH<sub>L</sub>



CH<sub>M</sub>



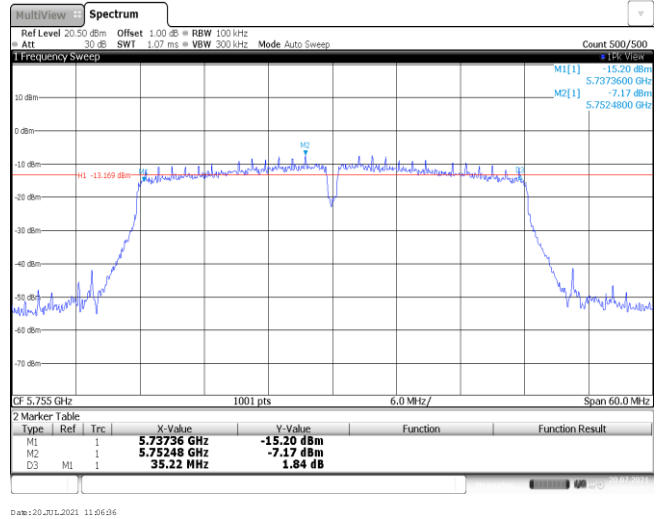
CH<sub>H</sub>



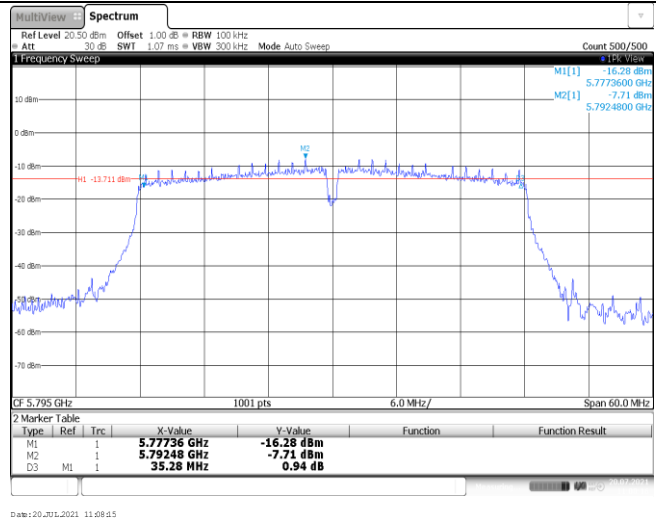
Band IV	802.11a																												
CH <sub>L</sub>	<p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>M1(1) -12.06 dBm 5.7371700 GHz M2(1) -4.70 dBm 5.7437100 GHz</p> <p>CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>5.73717 GHz</td> <td>-12.06 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.74371 GHz</td> <td>-4.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.6 MHz</td> <td>1.19 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20_2012_2021 10:45:22</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73717 GHz	-12.06 dBm			M2	1		5.74371 GHz	-4.70 dBm			D3	M1	1	15.6 MHz	1.19 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73717 GHz	-12.06 dBm																									
M2	1		5.74371 GHz	-4.70 dBm																									
D3	M1	1	15.6 MHz	1.19 dB																									
CH <sub>M</sub>	<p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>M1(1) -11.11 dBm 5.7770800 GHz M2(1) -5.07 dBm 5.7837100 GHz</p> <p>CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>5.77708 GHz</td> <td>-11.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.78371 GHz</td> <td>-5.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.69 MHz</td> <td>-0.05 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20_2012_2021 10:47:43</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.77708 GHz	-11.11 dBm			M2	1		5.78371 GHz	-5.07 dBm			D3	M1	1	15.69 MHz	-0.05 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.77708 GHz	-11.11 dBm																									
M2	1		5.78371 GHz	-5.07 dBm																									
D3	M1	1	15.69 MHz	-0.05 dB																									
CH <sub>H</sub>	<p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>M1(1) -10.98 dBm 5.8172000 GHz M2(1) -4.84 dBm 5.8237100 GHz</p> <p>CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>5.8172 GHz</td> <td>-10.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.82371 GHz</td> <td>-4.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.6 MHz</td> <td>-0.45 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 20_2012_2021 10:49:54</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.8172 GHz	-10.98 dBm			M2	1		5.82371 GHz	-4.84 dBm			D3	M1	1	15.6 MHz	-0.45 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.8172 GHz	-10.98 dBm																									
M2	1		5.82371 GHz	-4.84 dBm																									
D3	M1	1	15.6 MHz	-0.45 dB																									

**Band IV** **802.11ac (HT40)**

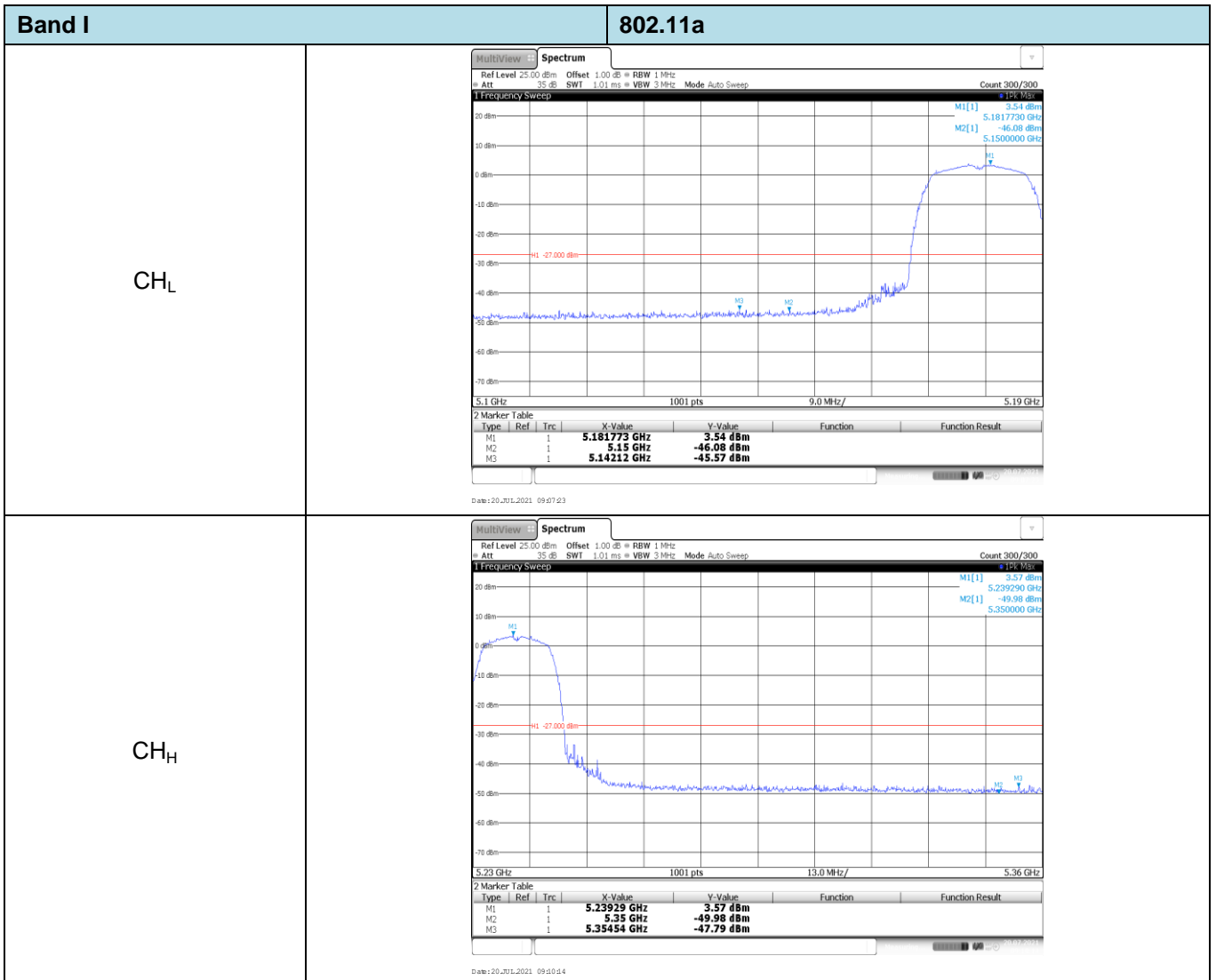
CH<sub>L</sub>

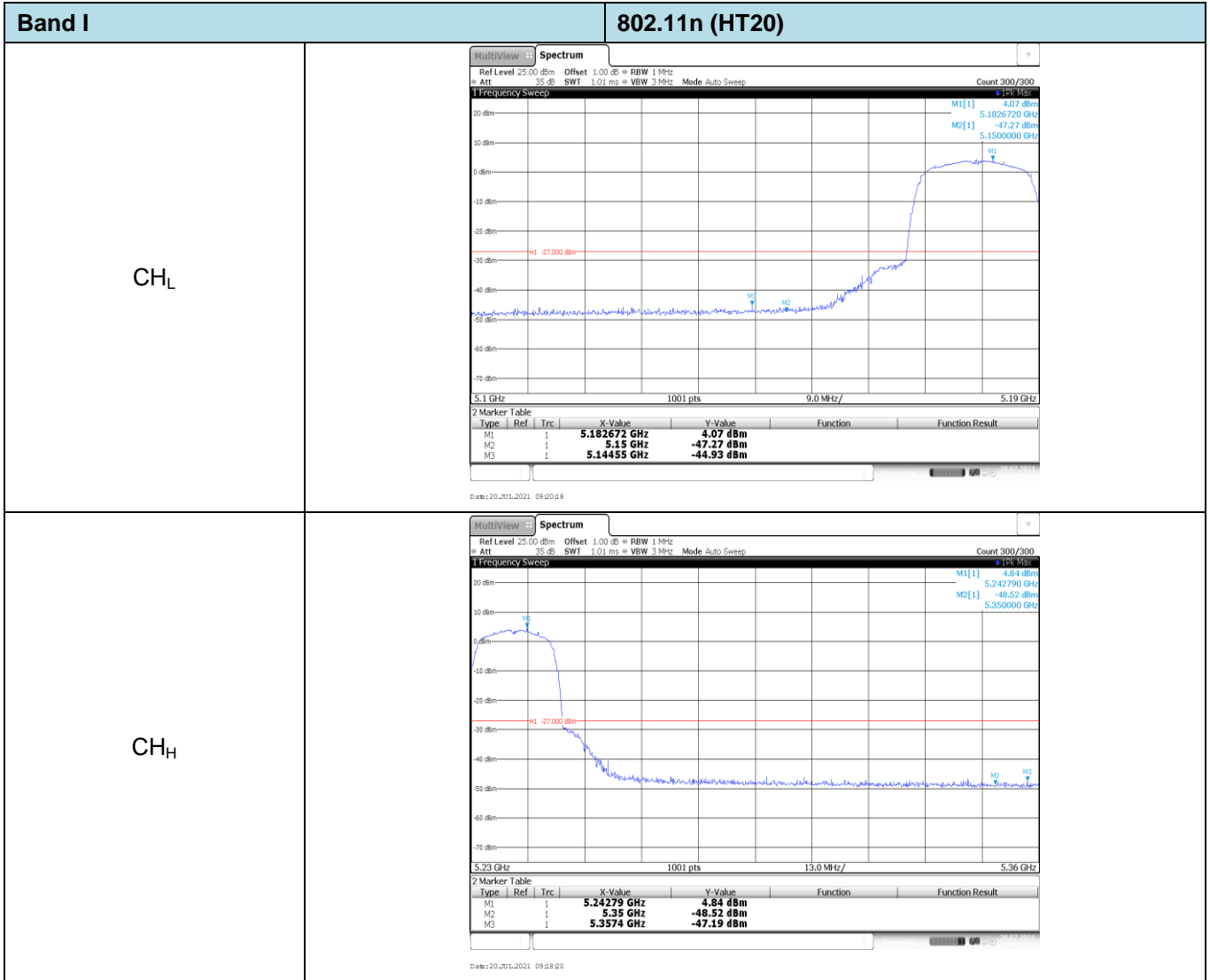


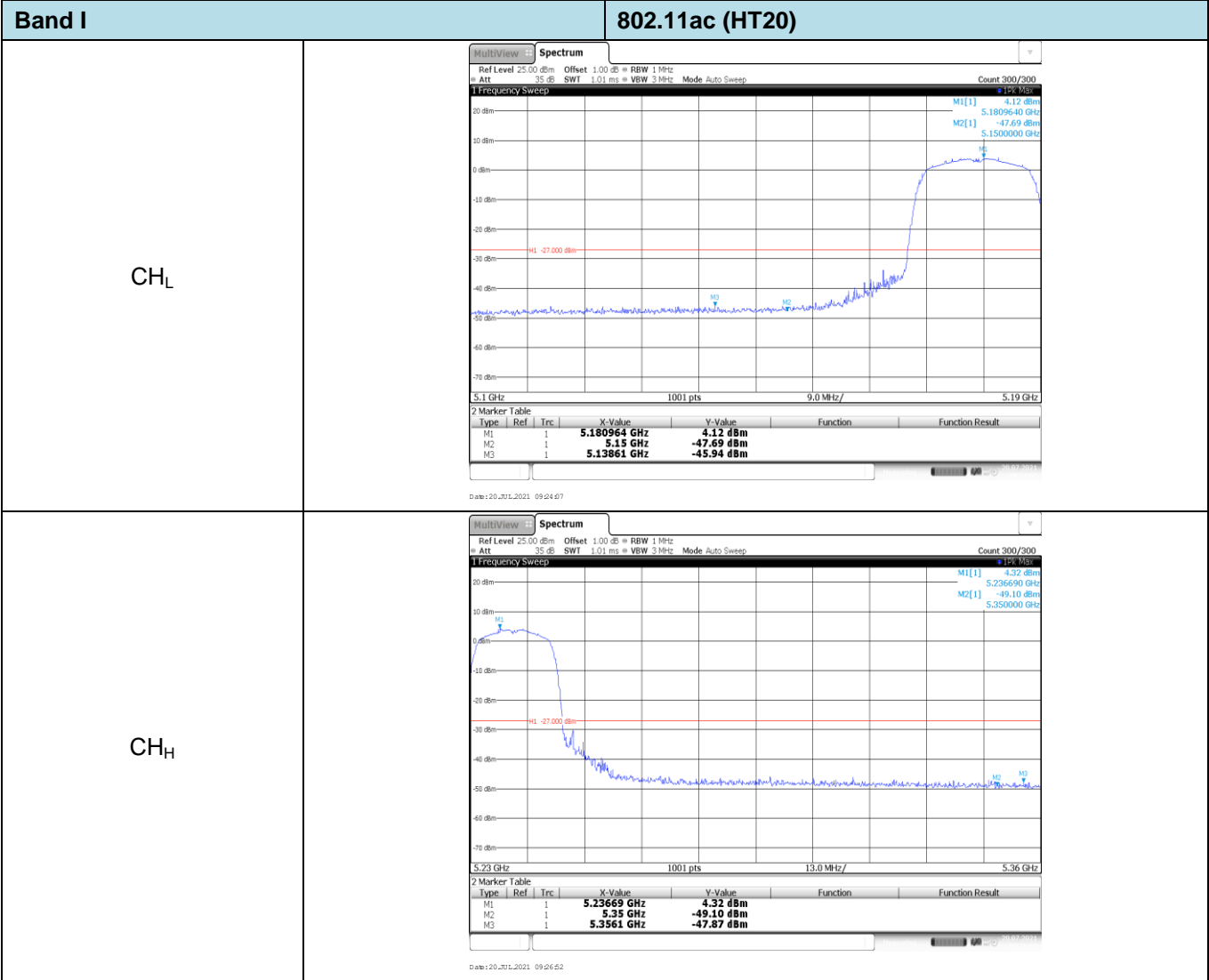
CH<sub>H</sub>



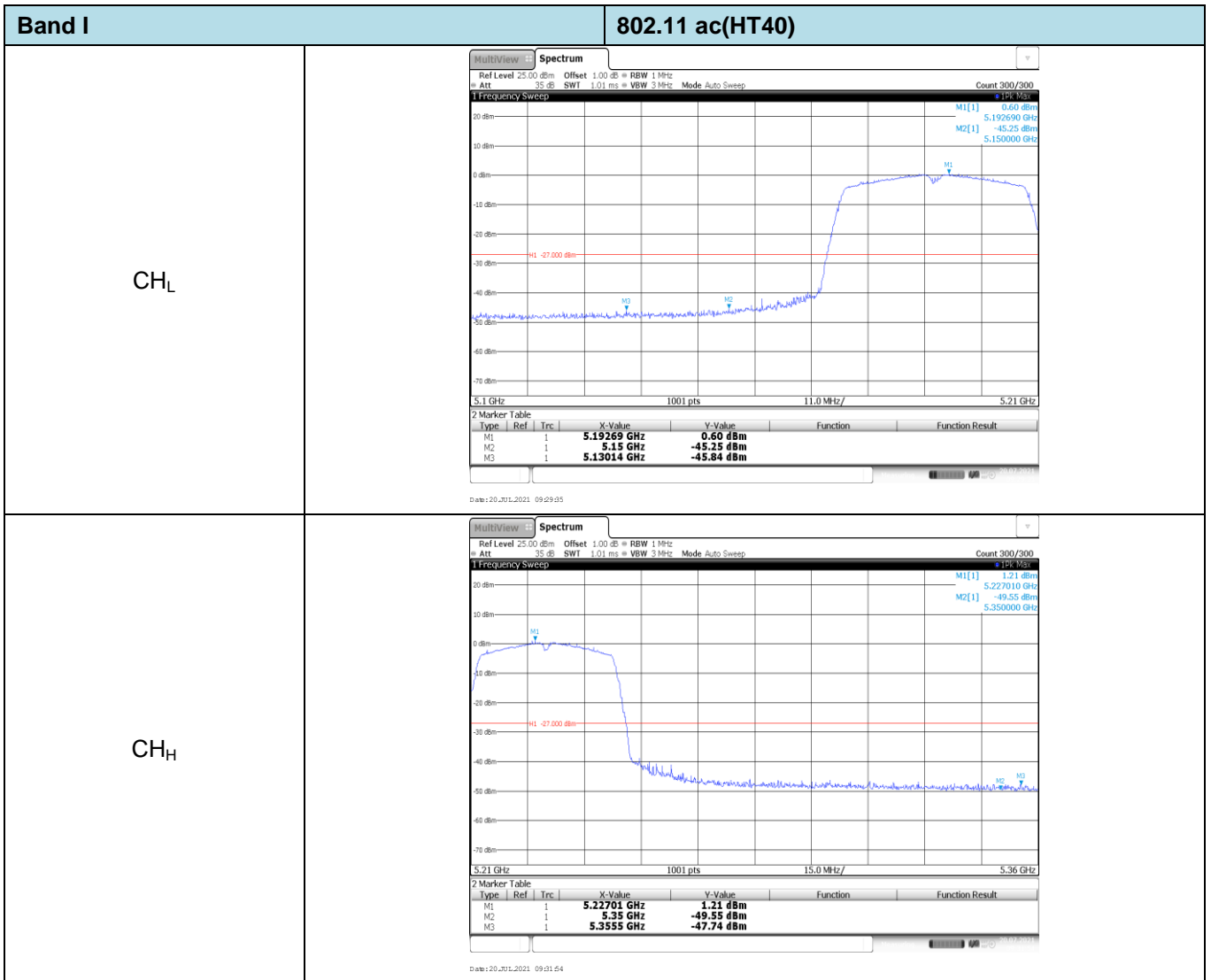
### Appendix F: Band edge

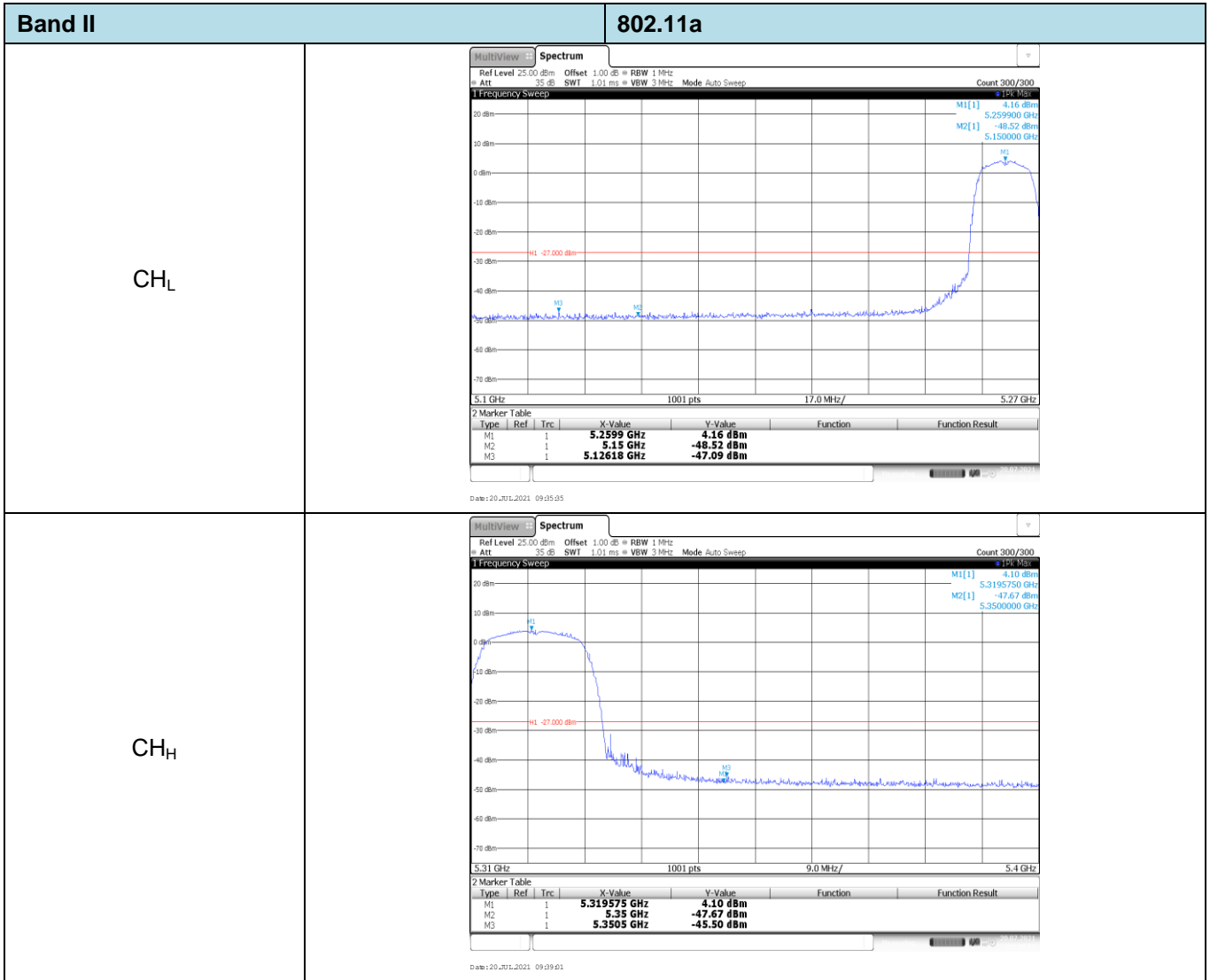


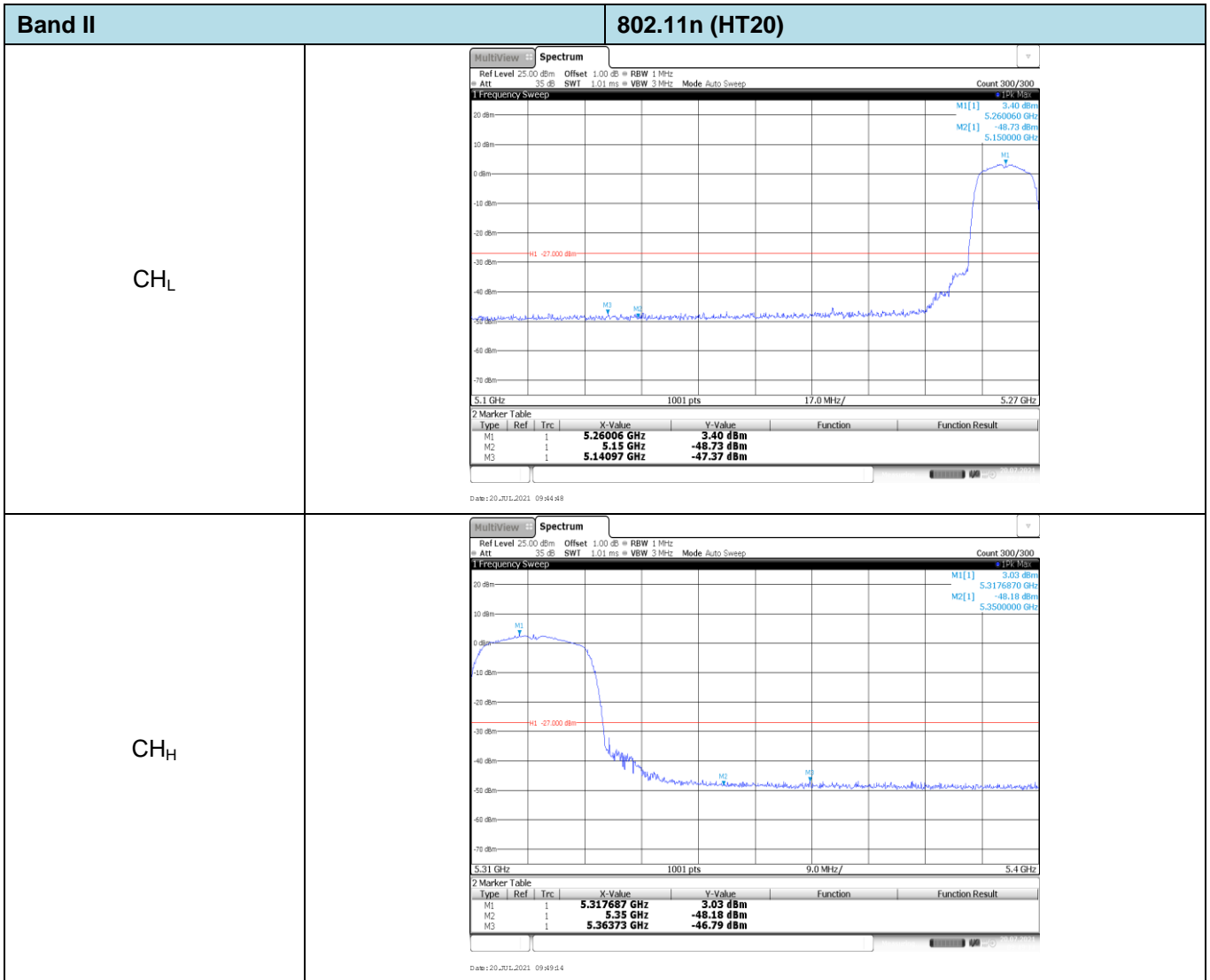


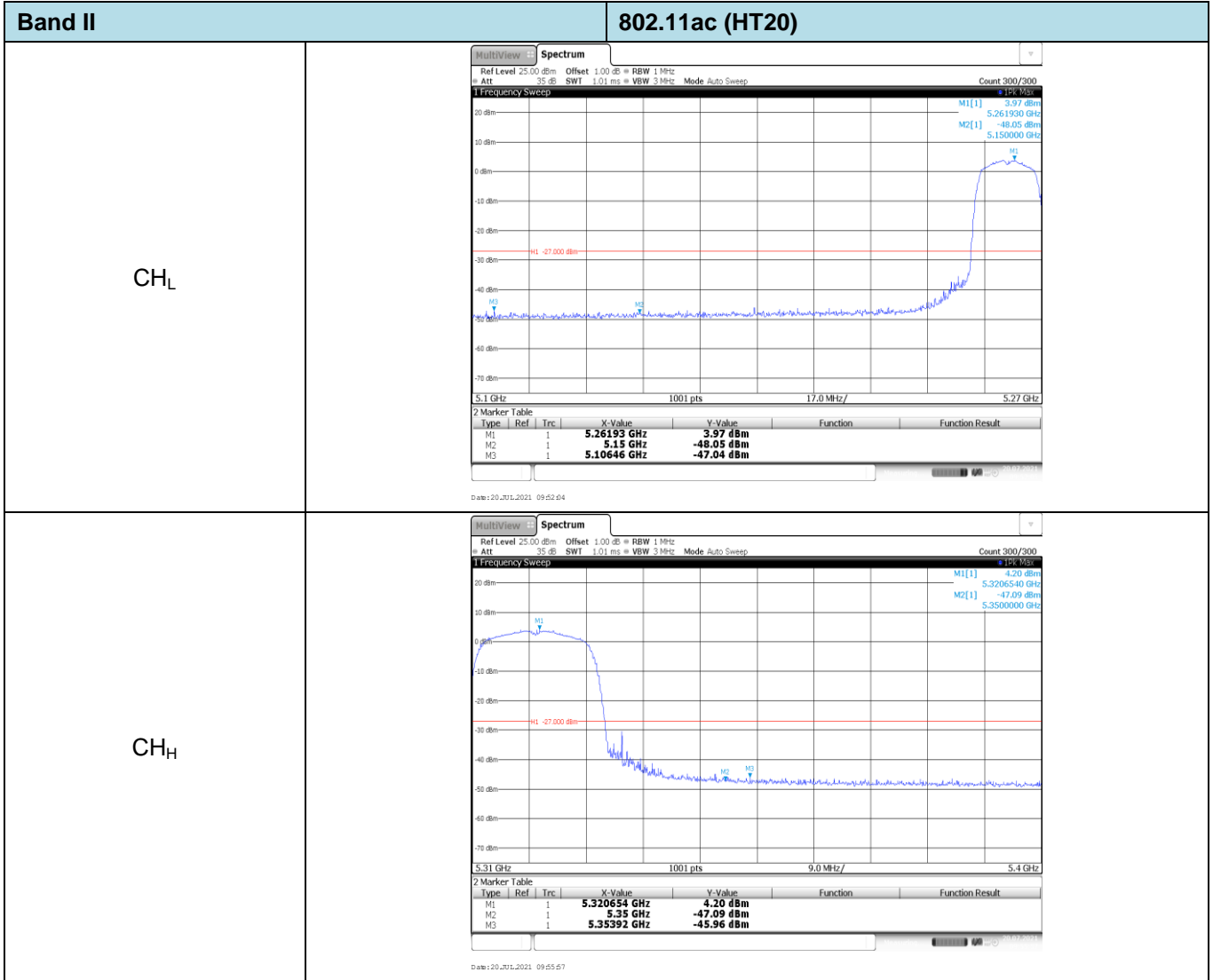


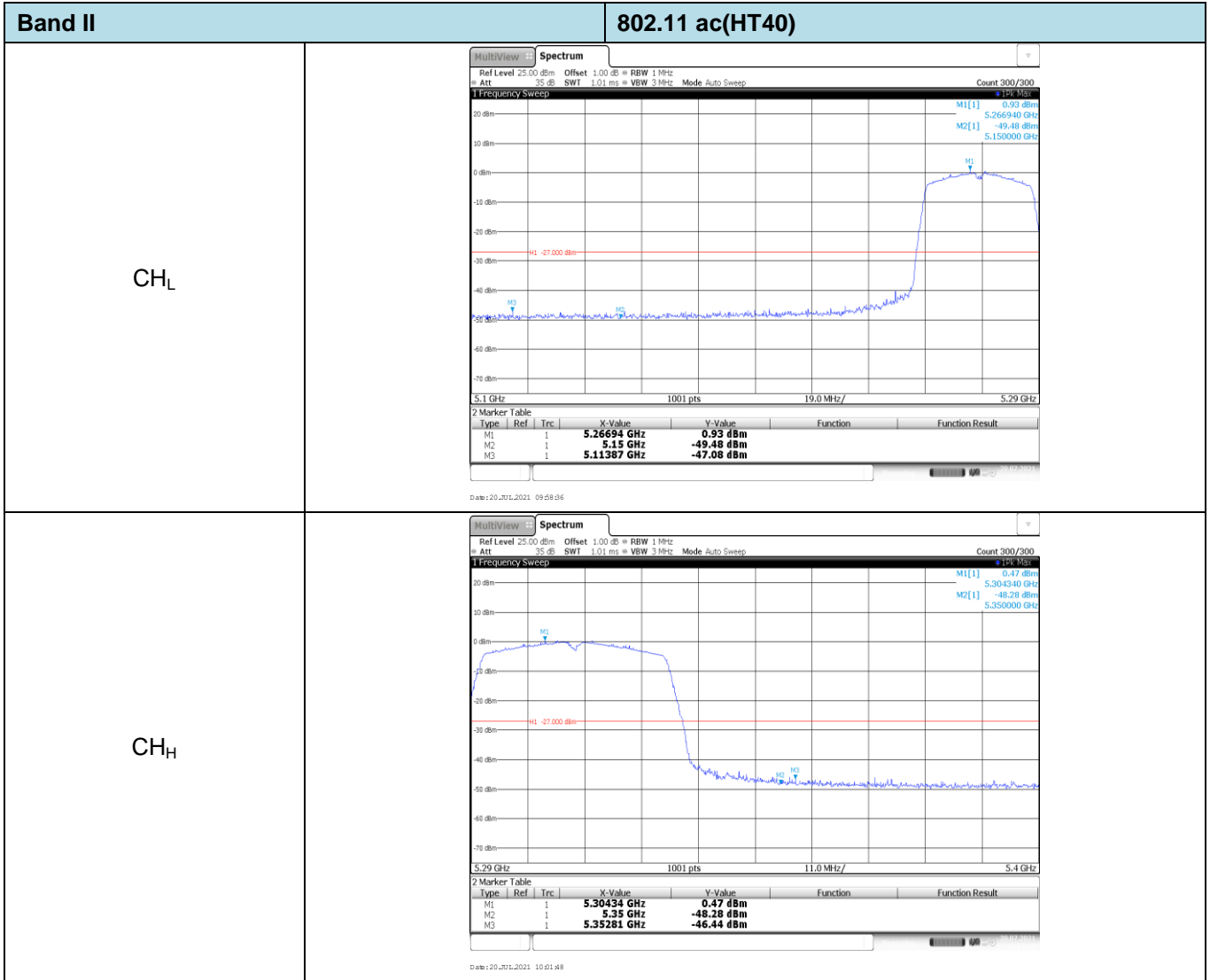


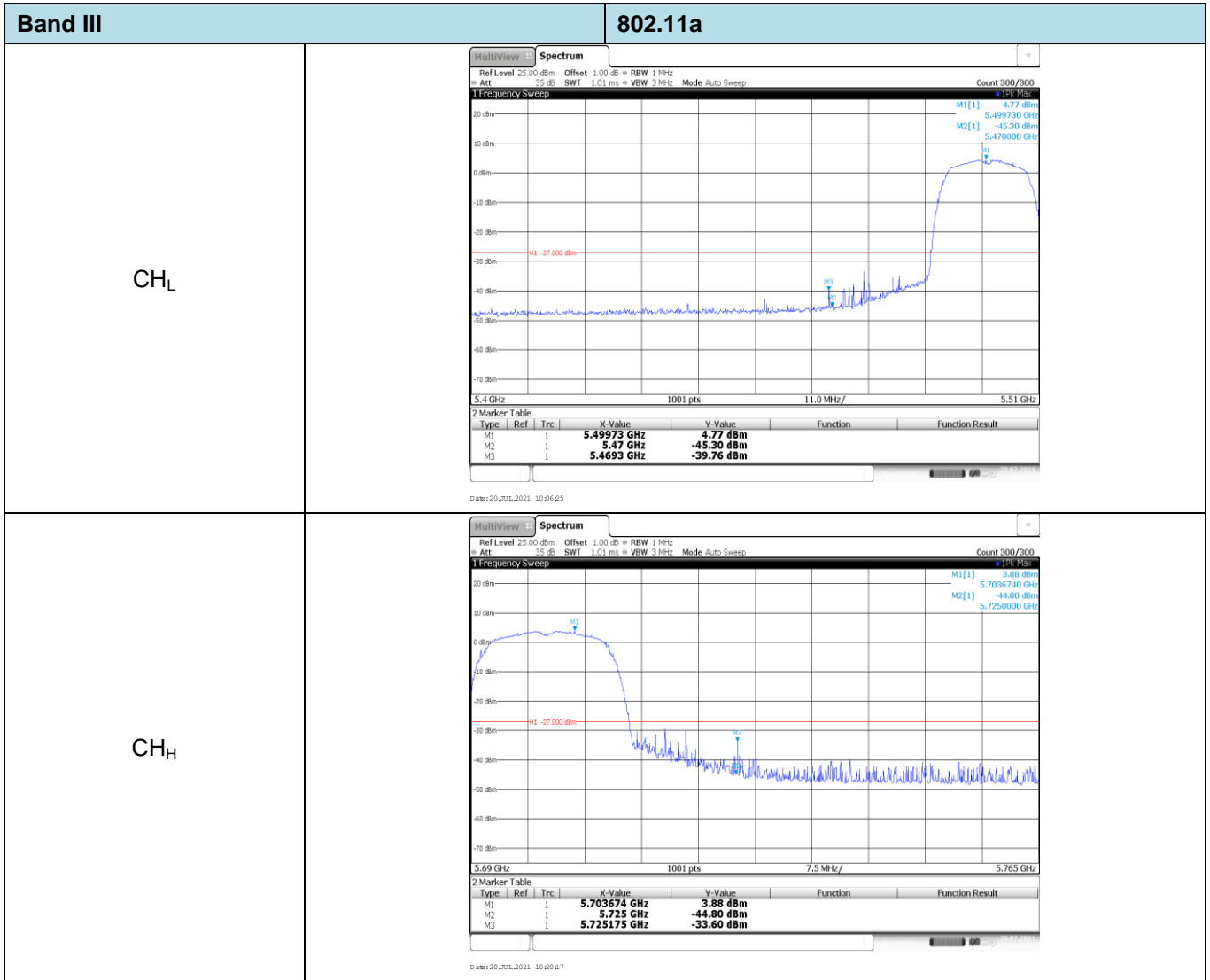


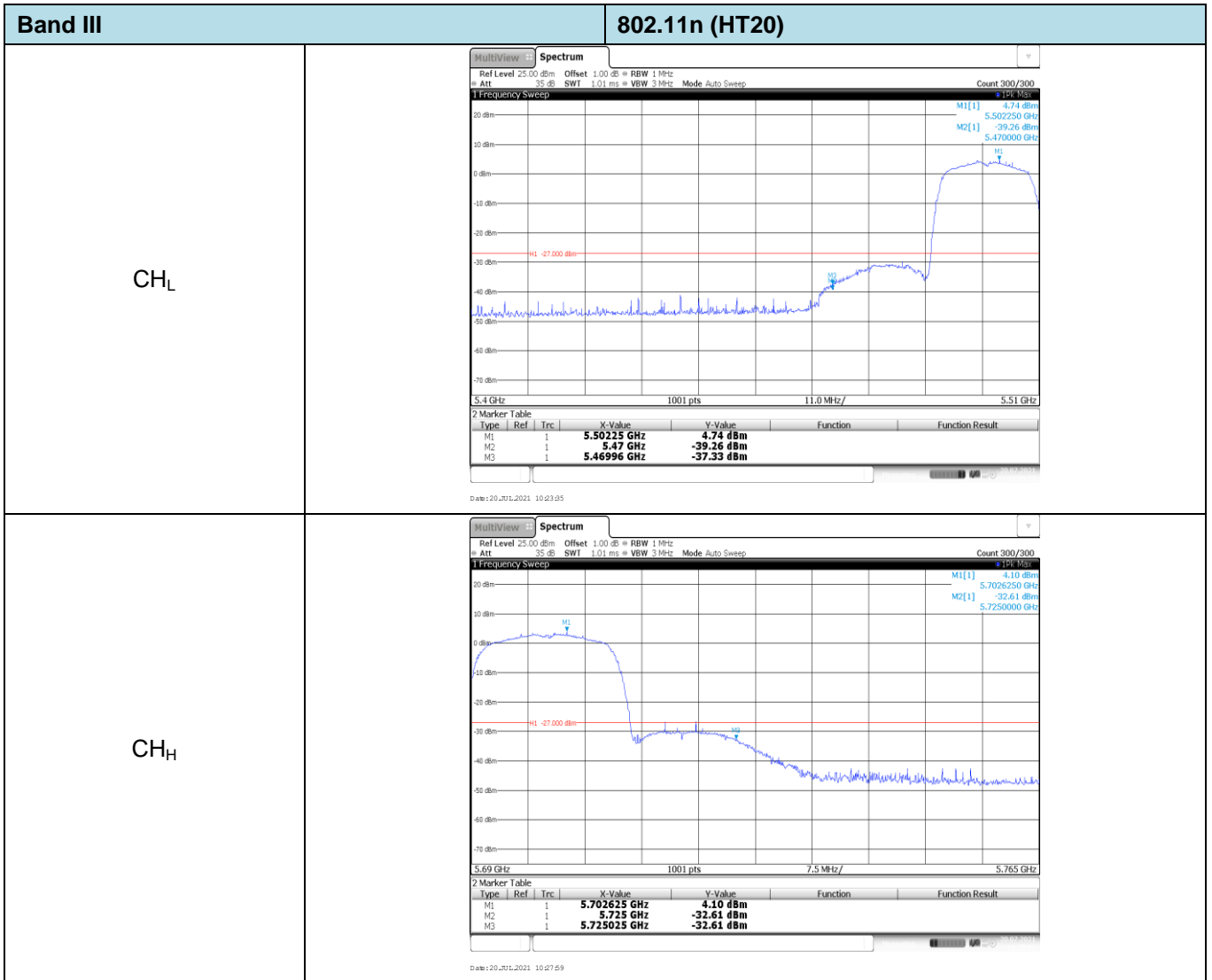








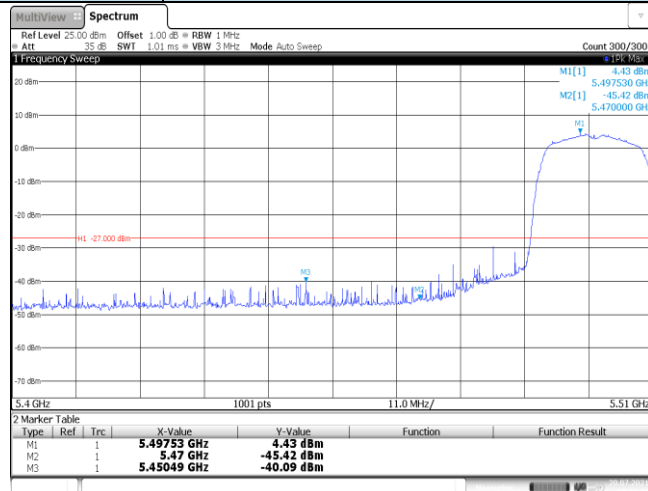




**Band III**

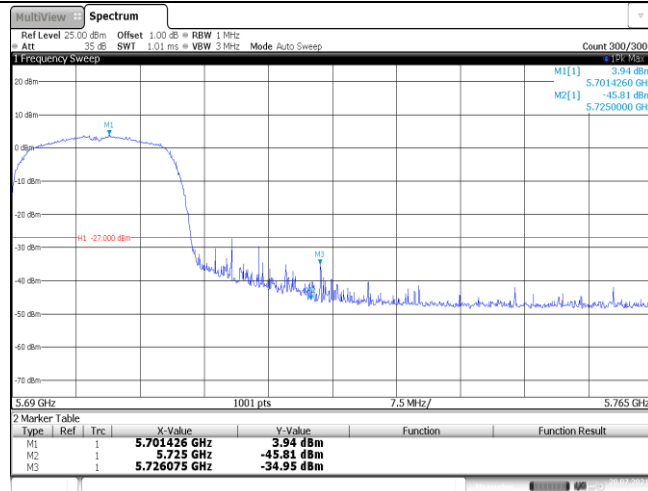
**802.11ac (HT20)**

CH<sub>L</sub>



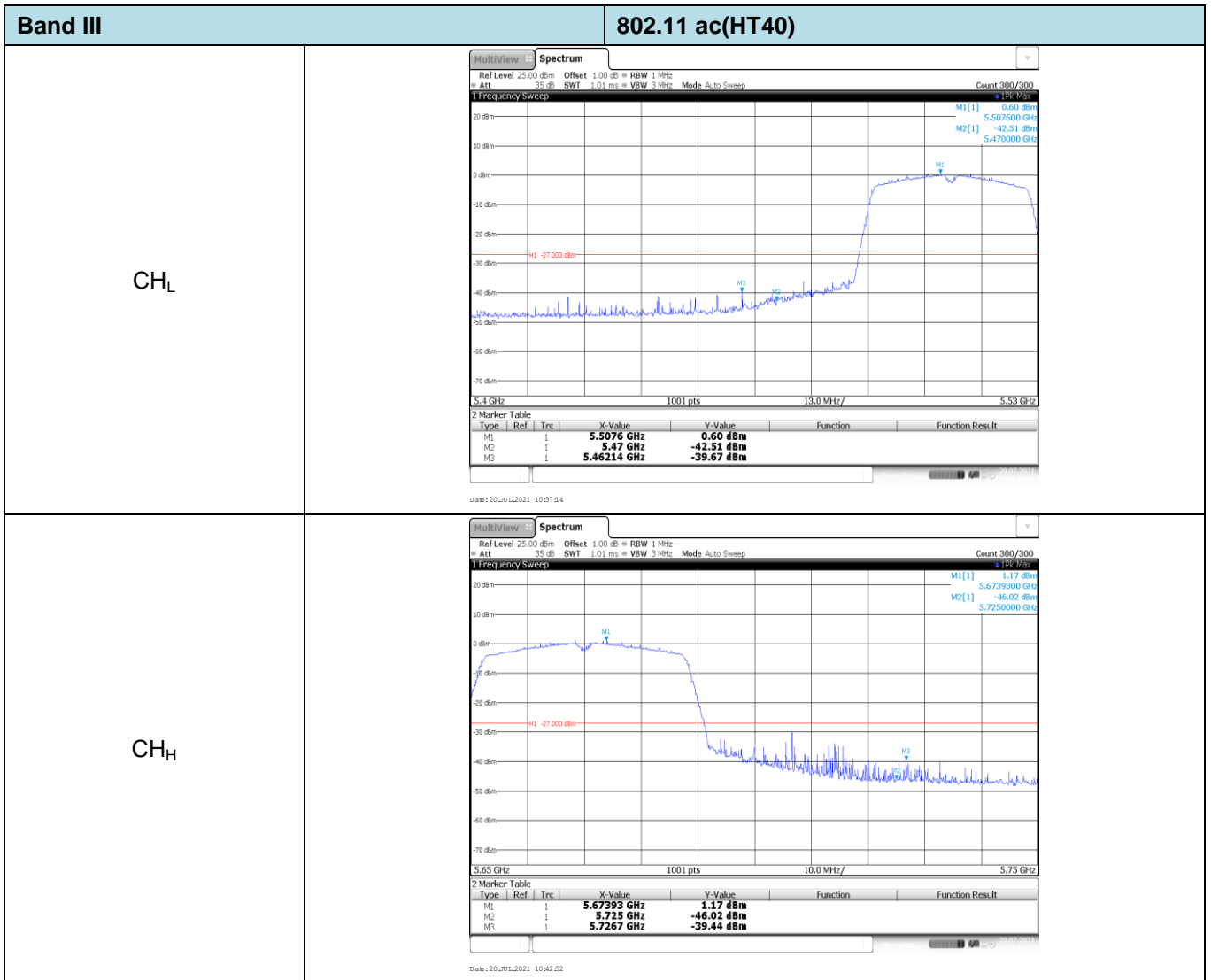
Date: 20.7.2021 10:30:38

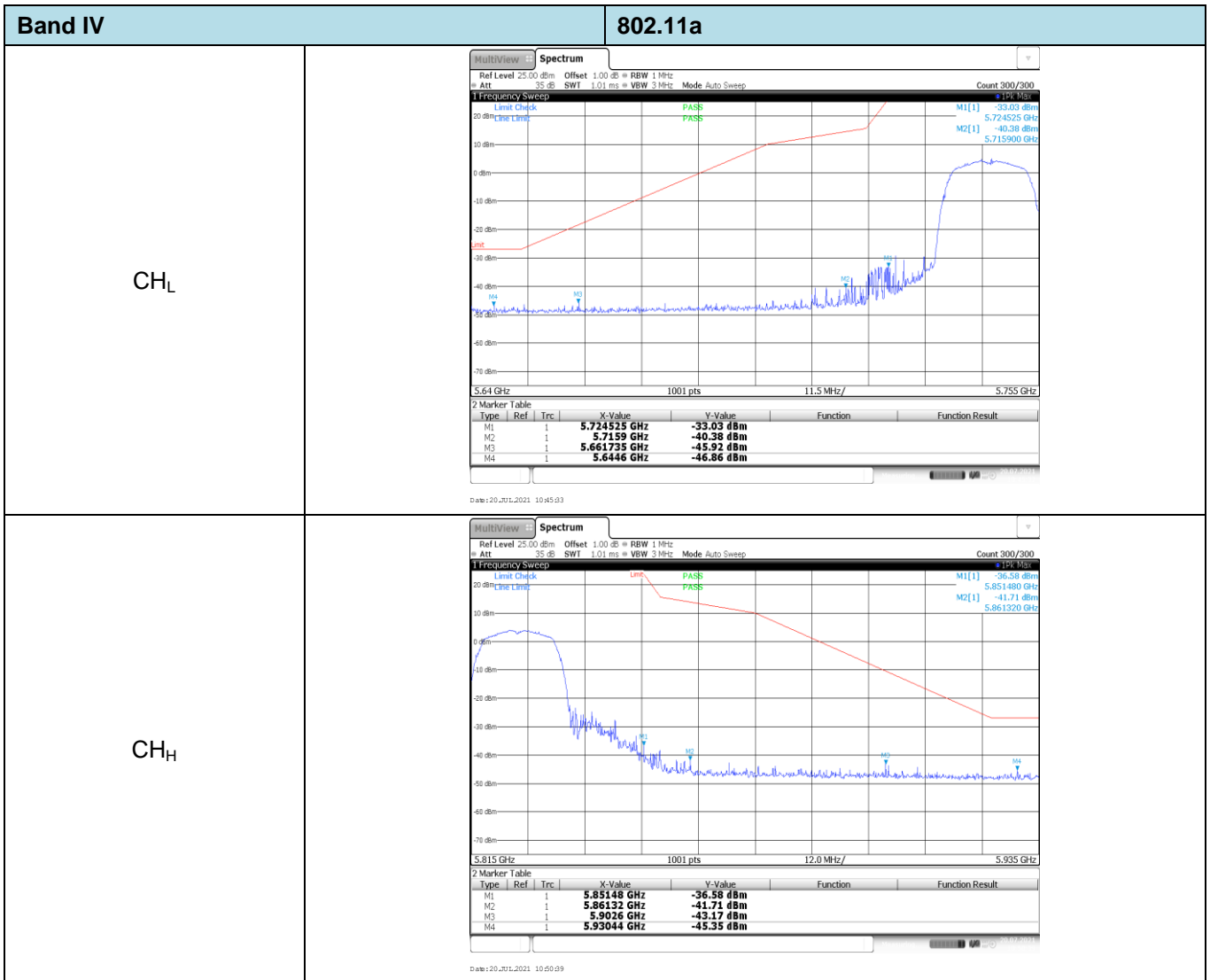
CH<sub>H</sub>

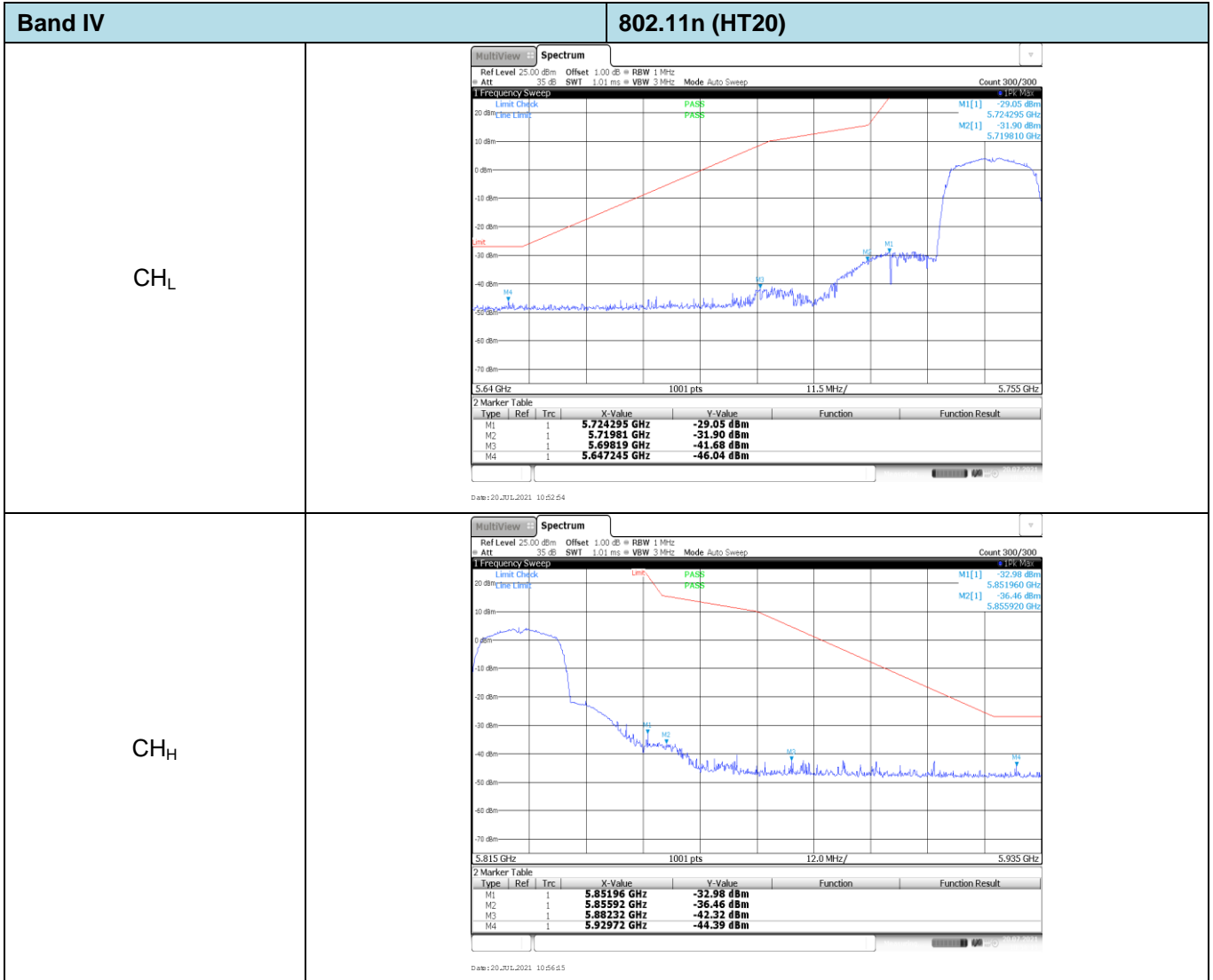


Date: 20.7.2021 10:34:37





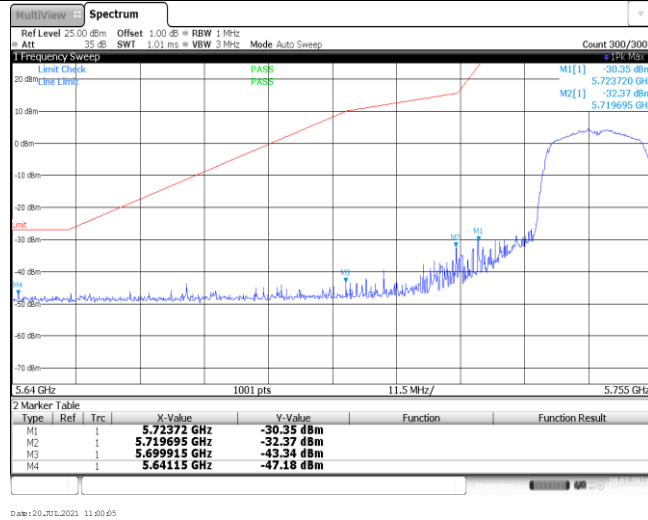




Band IV

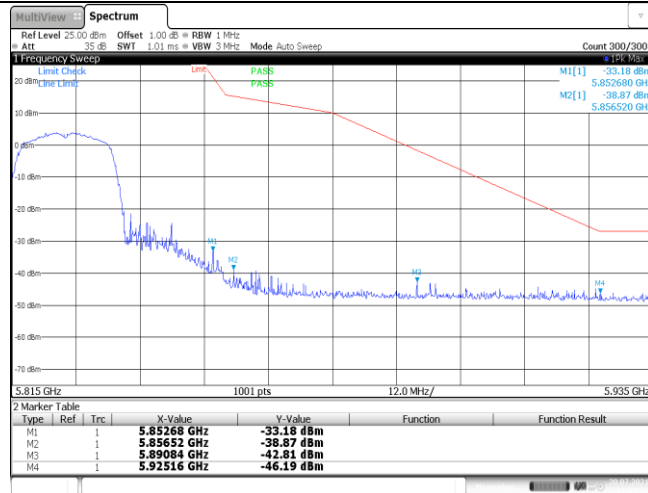
802.11ac(HT20)

CH<sub>L</sub>



Date: 20.7.2021 11:00:05

CH<sub>H</sub>

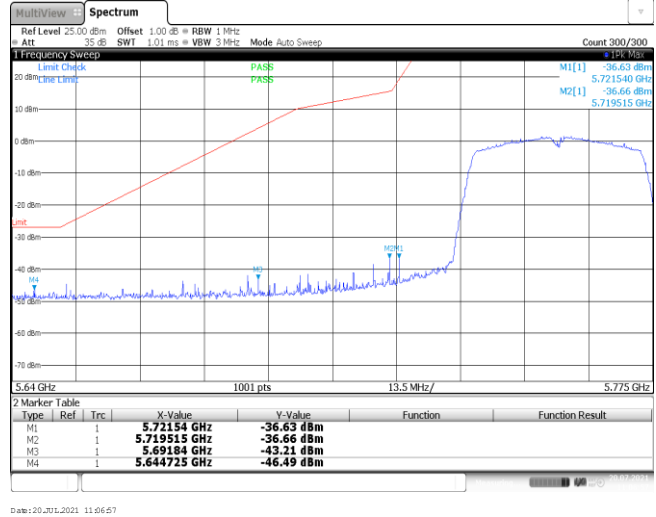


Date: 20.7.2021 11:03:18

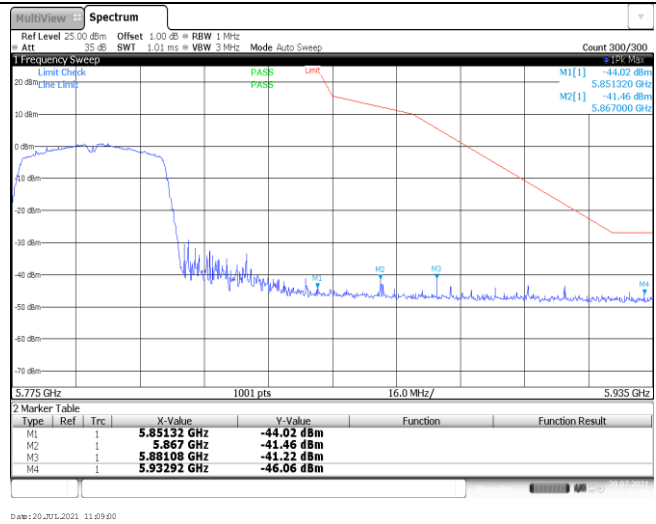
**Band IV**

**802.11ac(HT40)**

CH<sub>L</sub>



CH<sub>H</sub>



**Appendix G: Frequency stability****Voltage VS Frequency stability**

Band: I			Test Frequency: 5180.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T <sub>N</sub>	V <sub>L</sub>	-3000.00	-0.57915	PASS
T <sub>N</sub>	V <sub>N</sub>	-4000.00	-0.77220	PASS
T <sub>N</sub>	V <sub>H</sub>	-3000.00	-0.57915	PASS

Band: II			Test Frequency: 5260.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T <sub>N</sub>	V <sub>L</sub>	-3000.00	-0.57034	PASS
T <sub>N</sub>	V <sub>N</sub>	-4000.00	-0.76046	PASS
T <sub>N</sub>	V <sub>H</sub>	-3000.00	-0.57034	PASS

Band: III			Test Frequency: 5500.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T <sub>N</sub>	V <sub>L</sub>	-3000.00	-0.54546	PASS
T <sub>N</sub>	V <sub>N</sub>	-4000.00	-0.72727	PASS
T <sub>N</sub>	V <sub>H</sub>	-3000.00	-0.54546	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T <sub>N</sub>	V <sub>L</sub>	-3000.00	-0.52219	PASS
T <sub>N</sub>	V <sub>N</sub>	-4000.00	-0.69626	PASS
T <sub>N</sub>	V <sub>H</sub>	-3000.00	-0.52219	PASS

**Temperature VS Frequency stability**

Band: I			Test Frequency: 5180.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V <sub>N</sub>	-20	-3000.00	-0.57915	PASS
V <sub>N</sub>	-10	-3000.00	-0.57915	PASS
V <sub>N</sub>	0	-3000.00	-0.57915	PASS
V <sub>N</sub>	10	-3000.00	-0.57915	PASS
V <sub>N</sub>	20	-3000.00	-0.57915	PASS
V <sub>N</sub>	30	-3000.00	-0.57915	PASS
V <sub>N</sub>	40	-3000.00	-0.57915	PASS
V <sub>N</sub>	50	-3000.00	-0.57915	PASS

Band: II			Test Frequency: 5260.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V <sub>N</sub>	-20	-3000.00	-0.57034	PASS
V <sub>N</sub>	-10	-3000.00	-0.57034	PASS
V <sub>N</sub>	0	-3000.00	-0.57034	PASS
V <sub>N</sub>	10	-3000.00	-0.57034	PASS
V <sub>N</sub>	20	-3000.00	-0.57034	PASS
V <sub>N</sub>	30	-3000.00	-0.57034	PASS
V <sub>N</sub>	40	-3000.00	-0.57034	PASS
V <sub>N</sub>	50	-3000.00	-0.57034	PASS

Band: III			Test Frequency: 5500.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V <sub>N</sub>	-20	-3000.00	-0.54546	PASS
V <sub>N</sub>	-10	-3000.00	-0.54546	PASS
V <sub>N</sub>	0	-3000.00	-0.54546	PASS
V <sub>N</sub>	10	-3000.00	-0.54546	PASS
V <sub>N</sub>	20	-3000.00	-0.54546	PASS
V <sub>N</sub>	30	-3000.00	-0.54546	PASS
V <sub>N</sub>	40	-3000.00	-0.54546	PASS
V <sub>N</sub>	50	-3000.00	-0.54546	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V <sub>N</sub>	-20	-3000.00	-0.52219	PASS
V <sub>N</sub>	-10	-3000.00	-0.52219	PASS
V <sub>N</sub>	0	-3000.00	-0.52219	PASS
V <sub>N</sub>	10	-3000.00	-0.52219	PASS
V <sub>N</sub>	20	-3000.00	-0.52219	PASS
V <sub>N</sub>	30	-3000.00	-0.52219	PASS
V <sub>N</sub>	40	-3000.00	-0.52219	PASS
V <sub>N</sub>	50	-3000.00	-0.52219	PASS

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