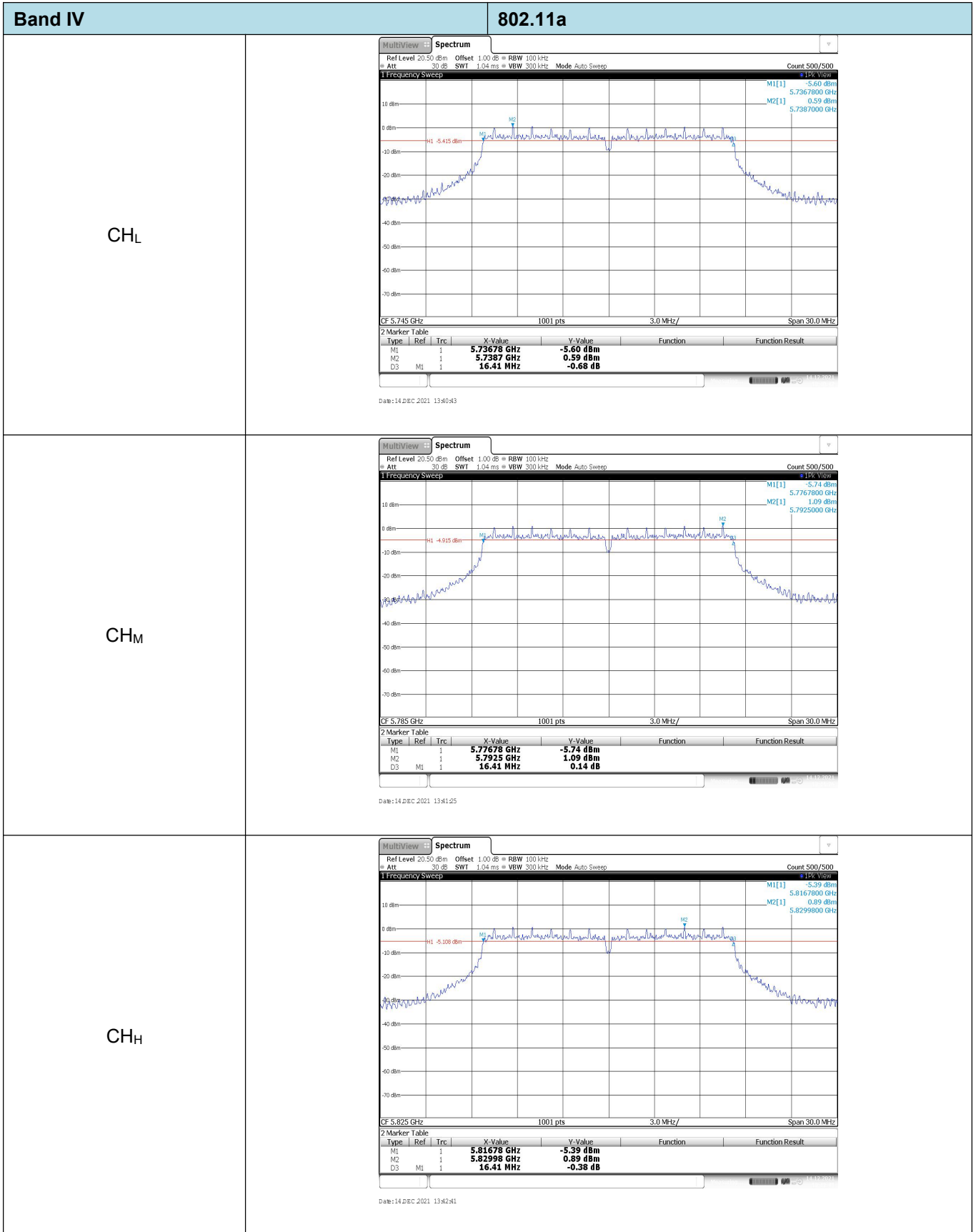
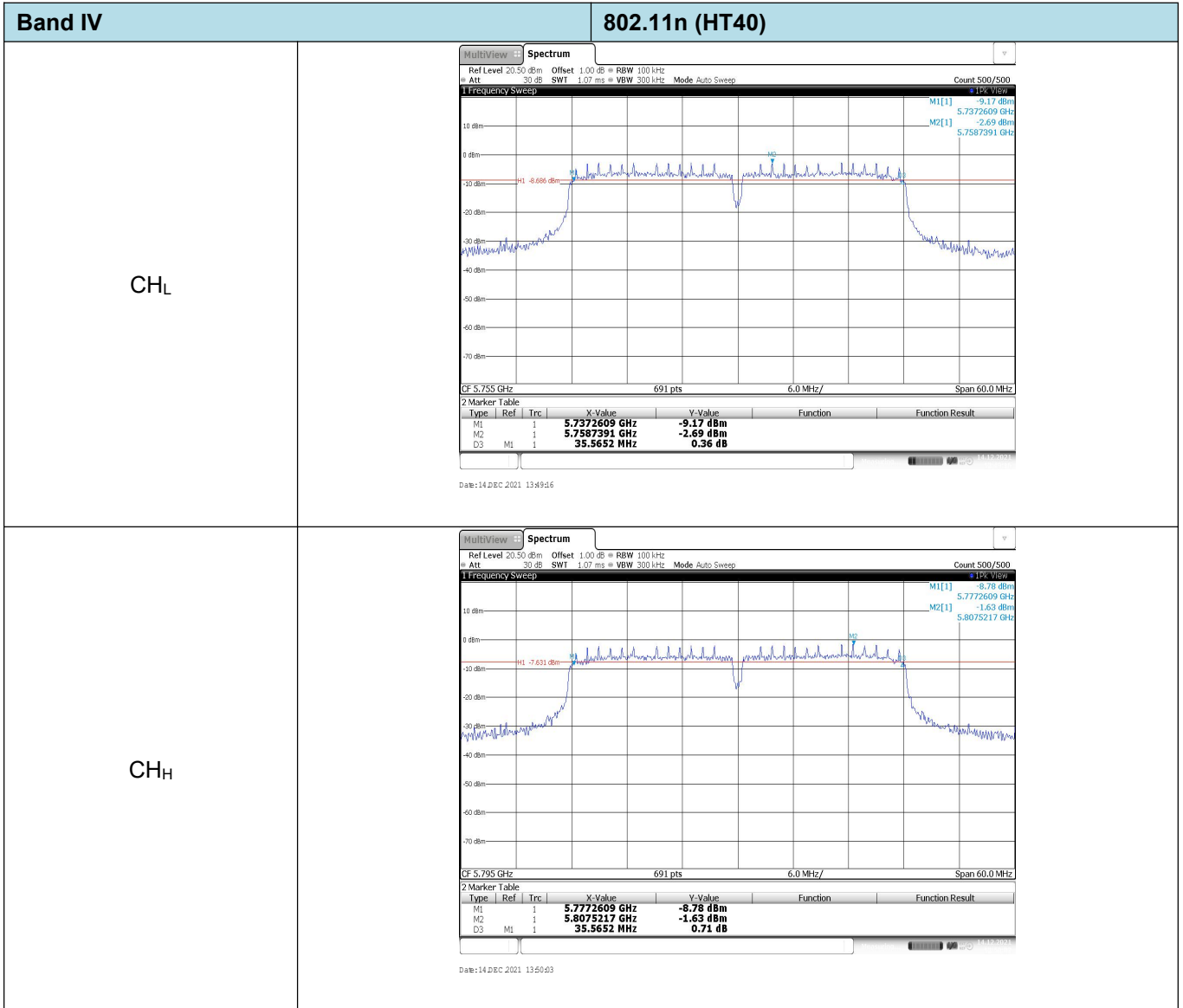


Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11n	CH _L	17.64	Pass
			CH _M	17.67	
			CH _H	17.67	
		802.11a	CH _L	16.41	Pass
			CH _M	16.41	
			CH _H	16.41	
	40	802.11n	CH _L	35.57	Pass
			CH _H	35.57	

Band IV		802.11n (HT20)																												
CH _L	<p>Ref Level 20.50 dBm Offset 1.00 dB RBW 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>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>5.73615 GHz</td> <td>-6.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.73996 GHz</td> <td>0.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.64 MHz</td> <td>0.74 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 DEC 2021 13:45:03</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73615 GHz	-6.54 dBm			M2	1		5.73996 GHz	0.53 dBm			D3	M1	1	17.64 MHz	0.74 dB		
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M2	1		5.73996 GHz	0.53 dBm																										
D3	M1	1	17.64 MHz	0.74 dB																										
CH _M	<p>Ref Level 20.50 dBm Offset 1.00 dB RBW 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>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>5.77615 GHz</td> <td>-6.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.78998 GHz</td> <td>1.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.67 MHz</td> <td>0.25 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 DEC 2021 13:45:48</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.77615 GHz	-6.63 dBm			M2	1		5.78998 GHz	1.02 dBm			D3	M1	1	17.67 MHz	0.25 dB		
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M2	1		5.78998 GHz	1.02 dBm																										
D3	M1	1	17.67 MHz	0.25 dB																										
CH _H	<p>Ref Level 20.50 dBm Offset 1.00 dB RBW 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>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>5.81615 GHz</td> <td>-6.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.81996 GHz</td> <td>1.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.67 MHz</td> <td>0.03 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 DEC 2021 13:46:55</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81615 GHz	-6.28 dBm			M2	1		5.81996 GHz	1.05 dBm			D3	M1	1	17.67 MHz	0.03 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
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D3	M1	1	17.67 MHz	0.03 dB																										





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	20000.00	3.86100	PASS
T _N	V _N	7000.00	1.35135	PASS
T _N	V _H	24000.00	4.63321	PASS

Band: II			Test Frequency: 5260.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	18000.00	3.42205	PASS
T _N	V _N	9000.00	1.71103	PASS
T _N	V _H	20000.00	3.80228	PASS

Band: III			Test Frequency: 5500.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	10000.00	1.81818	PASS
T _N	V _N	9000.00	1.63636	PASS
T _N	V _H	11000.00	2.00000	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	-11000.00	-1.91471	PASS
T _N	V _N	-14000.00	-2.43690	PASS
T _N	V _H	-8000.00	-1.39252	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	26000.00	5.01931	PASS
V _N	-10	26000.00	5.01931	PASS
V _N	0	26000.00	5.01931	PASS
V _N	10	28000.00	5.40541	PASS
V _N	20	29000.00	5.59846	PASS
V _N	30	30000.00	5.79151	PASS
V _N	40	31000.00	5.98456	PASS
V _N	50	32000.00	6.17761	PASS

Band: II			Test Frequency: 5260.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	21000.00	3.99240	PASS
V _N	-10	22000.00	4.18251	PASS
V _N	0	23000.00	4.37262	PASS
V _N	10	25000.00	4.75285	PASS
V _N	20	26000.00	4.94297	PASS
V _N	30	27000.00	5.13308	PASS
V _N	40	26000.00	4.94297	PASS
V _N	50	25000.00	4.75285	PASS

Band: III			Test Frequency: 5500.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	15000.00	2.72727	PASS
V _N	-10	17000.00	3.09091	PASS
V _N	0	18000.00	3.27273	PASS
V _N	10	19000.00	3.45455	PASS
V _N	20	19000.00	3.45455	PASS
V _N	30	19000.00	3.45455	PASS
V _N	40	20000.00	3.63636	PASS
V _N	50	21000.00	3.81818	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-1000.00	-0.17406	PASS
V _N	-10	1000.00	0.17406	PASS
V _N	0	4000.00	0.69626	PASS
V _N	10	6000.00	1.04439	PASS
V _N	20	8000.00	1.39252	PASS
V _N	30	10000.00	1.74064	PASS
V _N	40	12000.00	2.08877	PASS
V _N	50	14000.00	2.43690	PASS

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