

APPENDIX REPORT

Project No.	SHT2310045701EW	Radio Specification	WIFI 5G
Test sample No.	YPHT23040066001	Model No.	CVX-EC2-BU
Start test date	2024-01-26	Finish date	2024-01-26
Temperature	25℃	Humidity	48.5%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
A	Maximum Conducted Output Power	PASS
B	Maximum Power Spectral Density	PASS
C	26 dB Bandwidth	PASS
D	99% Occupy bandwidth	PASS
E	Frequency stability	PASS

Appendix A: Maximum Conducted Output Power

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2			
I	20	802.11n	CH _L	9.90	10.80	97.58	97.50	0.11	0.11	10.01	10.91	13.48	21.50	Pass
			CH _M	10.36	10.35	97.58	97.50	0.11	0.11	10.47	10.46	13.51		
			CH _H	10.72	10.88	97.58	97.58	0.11	0.11	10.83	10.99	13.91		
	40	802.11n	CH _L	13.68	12.82	96.27	96.27	0.17	0.17	13.85	12.99	16.48	21.50	Pass
			CH _H	13.79	12.88	96.27	96.27	0.17	0.17	13.96	13.05	16.58		

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2			
II	20	802.11n	CH _L	10.76	10.68	97.58	97.50	0.11	0.11	10.87	10.79	13.86	21.50	Pass
			CH _M	9.95	10.87	97.58	97.58	0.11	0.11	10.06	10.98	13.58		
			CH _H	10.30	11.08	97.58	97.58	0.11	0.11	10.41	11.19	13.83		
	40	802.11n	CH _L	13.19	13.29	96.27	96.27	0.17	0.17	13.36	13.46	16.46	21.50	Pass
			CH _H	13.58	13.01	96.27	96.27	0.17	0.17	13.75	13.18	16.52		

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2			
III	20	802.11n	CH _L	10.72	9.78	97.58	97.58	0.11	0.11	10.83	9.89	13.38	21.50	Pass
			CH _M	11.32	10.19	97.58	97.58	0.11	0.11	11.43	10.30	13.90		
			CH _H	10.41	9.61	97.50	97.58	0.11	0.11	10.52	9.72	13.13		
	40	802.11n	CH _L	14.03	12.86	96.19	96.27	0.17	0.17	14.20	13.03	16.65	21.50	Pass
			CH _M	14.43	12.98	96.27	96.27	0.17	0.17	14.60	13.15	16.97		
			CH _H	14.01	12.68	96.27	96.27	0.17	0.17	14.18	12.85	16.61		

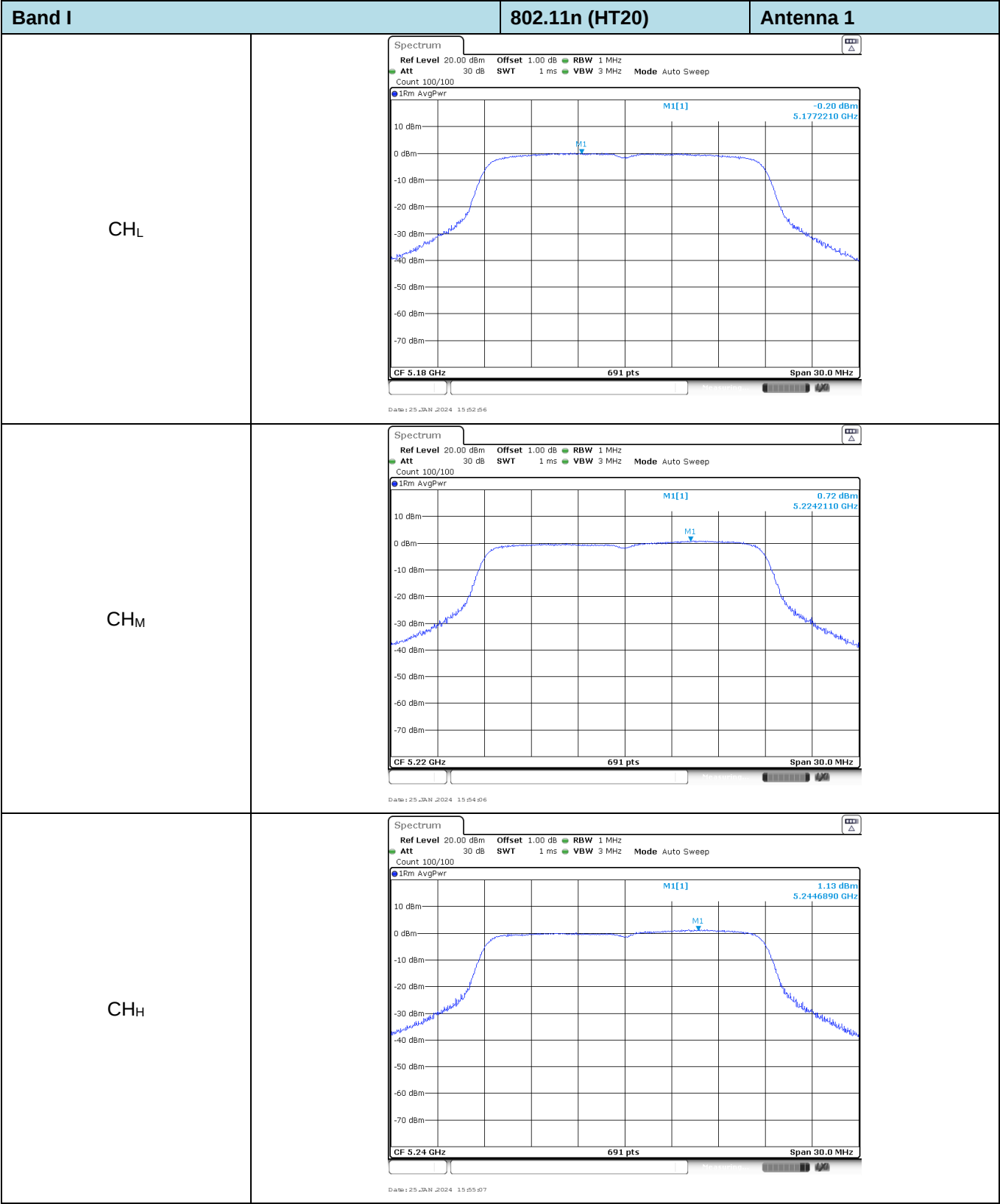
Appendix B: Maximum Power Spectral Density

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2			
I	20	802.11n	CH _L	-0.08	1.32	97.58	97.50	0.11	0.11	0.03	1.43	3.80	5.49	Pass
			CH _M	0.56	0.57	97.58	97.50	0.11	0.11	0.67	0.68	3.69		
			CH _H	0.85	1.17	97.58	97.58	0.11	0.11	0.96	1.28	4.13		
	40	802.11n	CH _L	1.10	0.60	96.27	96.27	0.17	0.17	1.27	0.77	4.04	5.49	Pass
			CH _H	1.14	0.61	96.27	96.27	0.17	0.17	1.31	0.78	4.06		

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2			
II	20	802.11n	CH _L	1.11	0.93	97.12	97.50	0.13	0.11	1.24	1.04	4.15	5.49	Pass
			CH _M	-0.31	1.17	97.58	97.58	0.11	0.11	-0.20	1.28	3.61		
			CH _H	0.30	1.34	97.58	97.58	0.11	0.11	0.41	1.45	3.97		
	40	802.11n	CH _L	0.73	0.78	96.27	96.27	0.17	0.17	0.90	0.95	3.94	5.49	Pass
			CH _H	1.42	0.69	96.27	96.27	0.17	0.17	1.59	0.86	4.25		

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2	Antenna 1	Antenna 2			
III	20	802.11n	CH _L	0.66	0.14	97.58	97.58	0.11	0.11	0.77	0.25	3.53	5.49	Pass
			CH _M	1.67	1.48	97.58	97.58	0.11	0.11	1.78	1.59	4.70		
			CH _H	0.49	1.86	96.27	96.27	0.17	0.17	1.76	1.54	4.69		
	40	802.11n	CH _L	1.45	0.92	96.19	96.27	0.17	0.17	1.62	1.09	4.37	5.49	Pass
			CH _M	1.41	1.51	96.27	96.27	0.17	0.17	1.58	1.68	4.64		
			CH _H	1.83	2.47	96.27	96.27	0.17	0.17	1.57	1.43	4.75		

Test plot as follows:

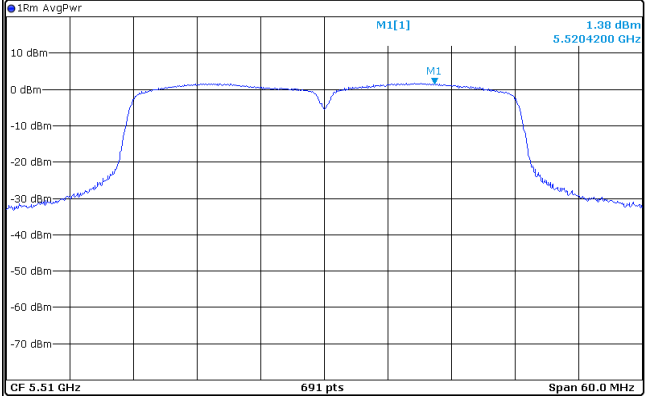
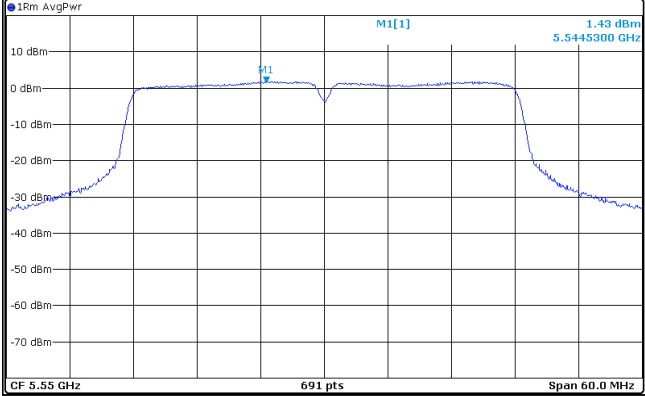
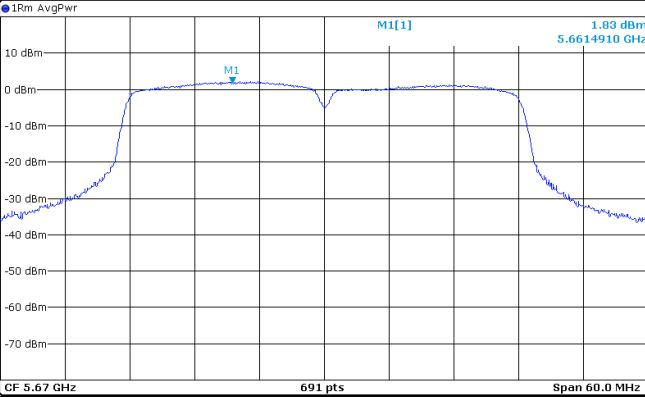


Band I		802.11n (HT40)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M1 1.48 dBm 5.1993780 GHz CF 5.19 GHz 691 pts Span 60.0 MHz Date: 25 JAN 2024 15:59:29		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M1 1.20 dBm 5.2383360 GHz CF 5.23 GHz 691 pts Span 60.0 MHz Date: 25 JAN 2024 16:00:37		

Band II		802.11n (HT20)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 1.04 dBm 5.2640810 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.26 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:05:02		
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 0.04 dBm 5.2763100 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.28 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:07:19		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 0.42 dBm 5.3156580 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.32 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:08:30		

Band II		802.11n (HT40)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] M1 0.41 dBm 5.2765990 GHz CF 5.27 GHz 691 pts Span 60.0 MHz Date: 26 JUN 2024 10:13:08		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] M1 1.22 dBm 5.3227640 GHz CF 5.31 GHz 691 pts Span 60.0 MHz Date: 26 JUN 2024 10:14:12		

Band III	802.11n (HT20)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 0.57 dBm 5.4990010 GHz CF 5.5 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:32:31	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 2.10 dBm 5.5760930 GHz CF 5.58 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:34:53	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 0.49 dBm 5.7048190 GHz CF 5.7 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:36:11	

Band III		802.11n (HT40)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr  CF 5.51 GHz691 ptsSpan 60.0 MHz Date: 26 JAN 2024 10:39:06		
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr  CF 5.55 GHz691 ptsSpan 60.0 MHz Date: 26 JAN 2024 10:40:03		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr  CF 5.67 GHz691 ptsSpan 60.0 MHz Date: 26 JAN 2024 10:41:20		

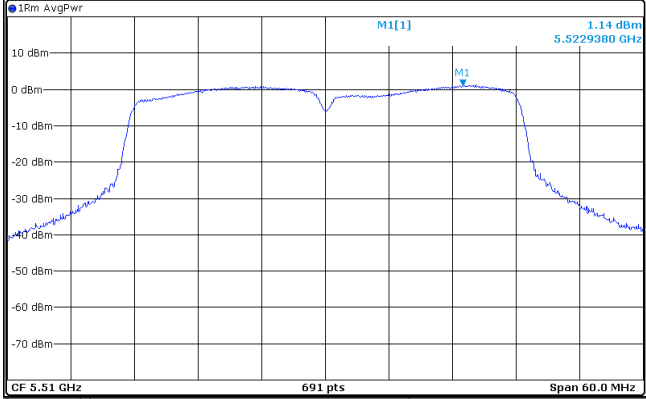
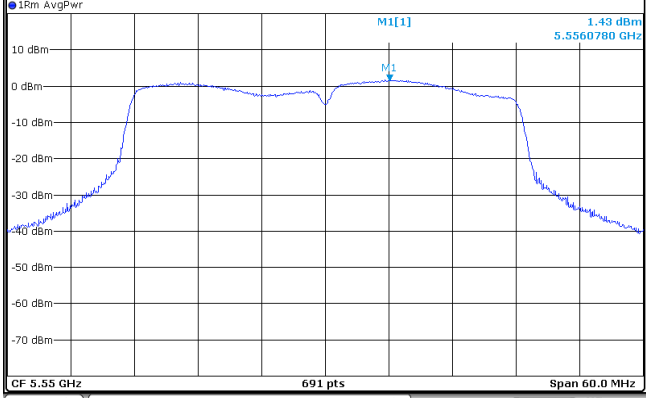
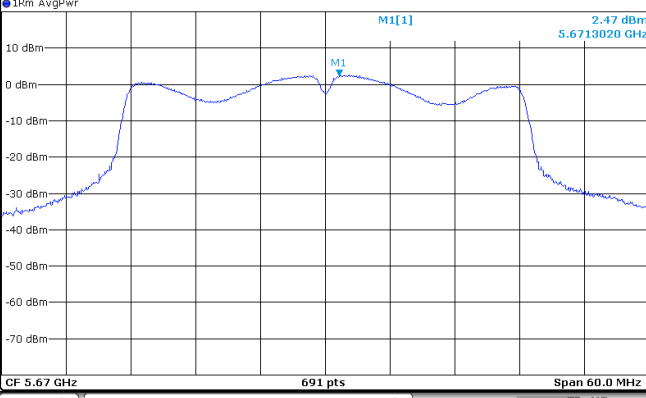
Band I	802.11n (HT20)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 1Rm AvgPwr M1[1] 1.47 dBm 5.1839070 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.18 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 08:25:08	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 1Rm AvgPwr M1[1] 0.42 dBm 5.2149200 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.22 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 08:28:09	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 1Rm AvgPwr M1[1] 1.02 dBm 5.2351370 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.24 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 08:29:21	

Band I		802.11n (HT40)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 0.61 dBm 5.2024170 GHz CF 5.19 GHz 691 pts Span 60.0 MHz Date: 26 JAN 2024 08:34:47		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 0.70 dBm 5.2431110 GHz CF 5.23 GHz 691 pts Span 60.0 MHz Date: 26 JAN 2024 08:35:49		

Band II	802.11n (HT20)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 1.39 dBm 5.2547900 GHz CF 5.26 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:19:05	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 0.99 dBm 5.2761790 GHz CF 5.28 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:20:21	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 1.60 dBm 5.3164400 GHz CF 5.32 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:21:31	

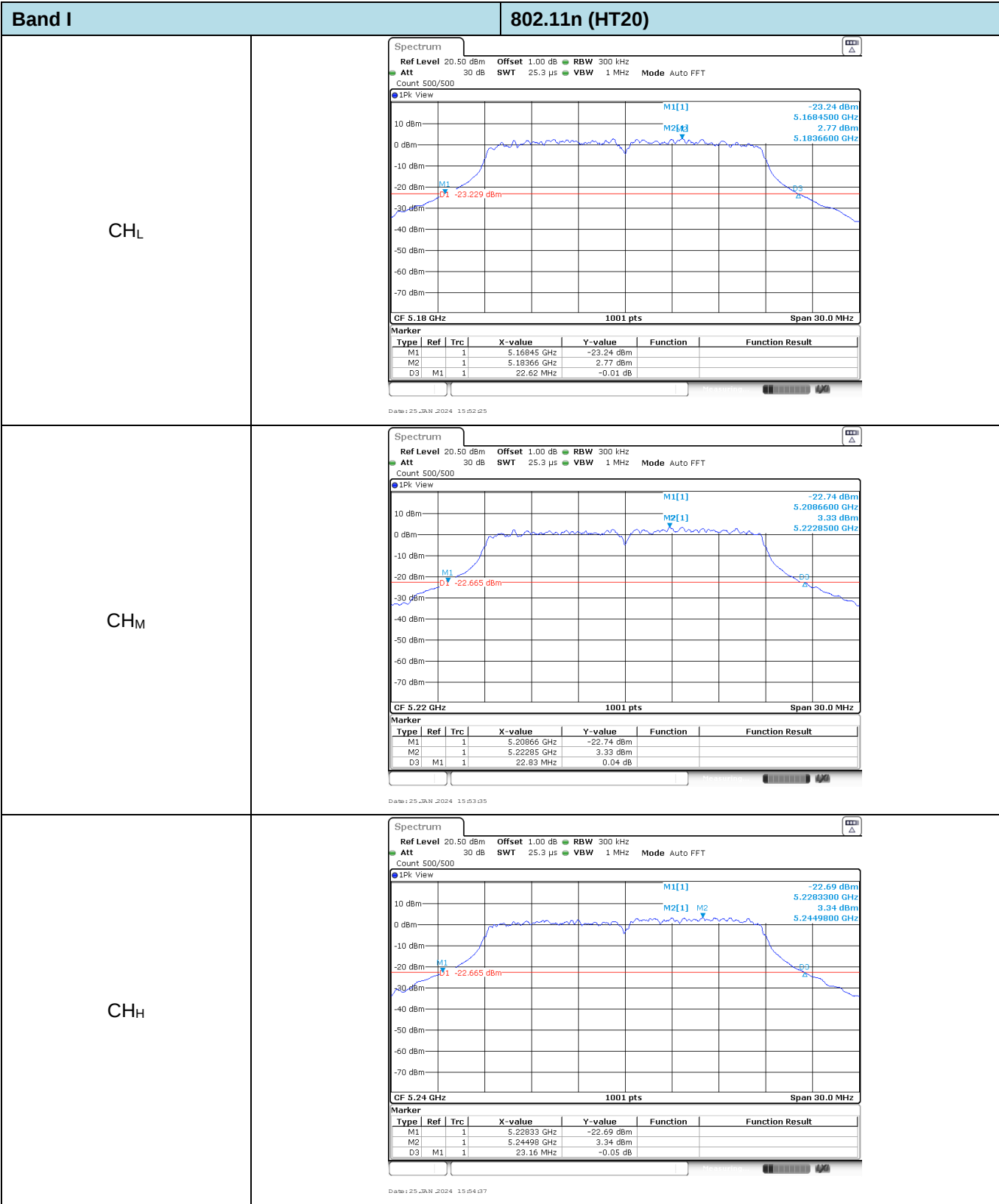
Band II		802.11n (HT40)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M1 0.99 dBm 5.2766860 GHz CF 5.27 GHz 691 pts Span 60.0 MHz Date: 26 JAN 2024 10:25:07		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M1 1.05 dBm 5.3162520 GHz CF 5.31 GHz 691 pts Span 60.0 MHz Date: 26 JAN 2024 10:27:01		

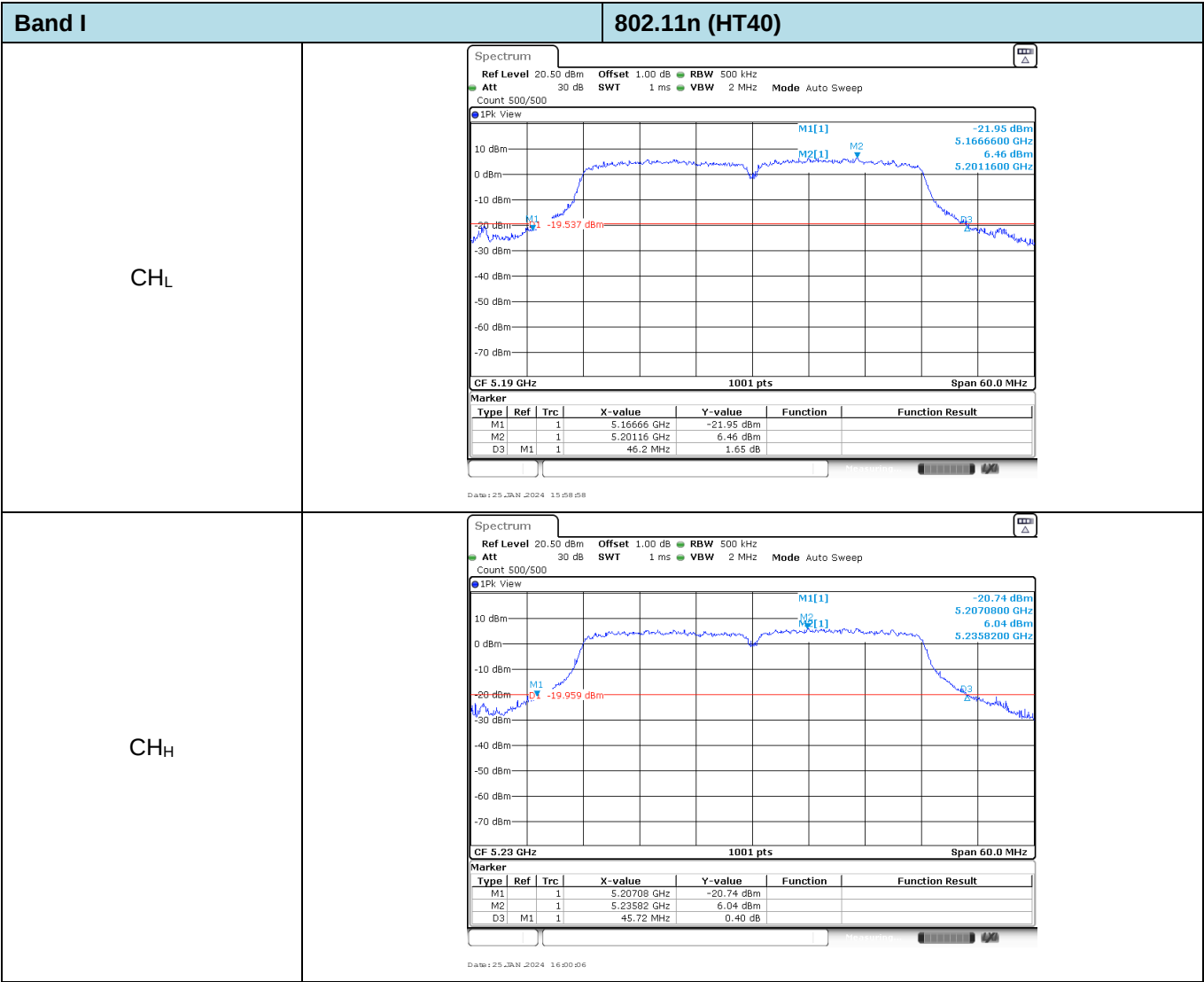
Band III	802.11n (HT20)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 0.51 dBm 5.4944430 GHz CF 5.5 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:44:59	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 1.63 dBm 5.5751810 GHz CF 5.58 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:46:11	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1 M1[1] 1.86 dBm 5.6926630 GHz CF 5.7 GHz 691 pts Span 30.0 MHz Date: 26 JAN 2024 10:47:12	

Band III		802.11n (HT40)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 1.14 dBm 5.5229380 GHz  CF 5.51 GHz691 ptsSpan 60.0 MHz Date: 26 JAN 2024 10:50:52		
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 1.43 dBm 5.5560780 GHz  CF 5.55 GHz691 ptsSpan 60.0 MHz Date: 26 JAN 2024 11:12:06		
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IRm AvgPwr M1[1] 2.47 dBm 5.6713020 GHz  CF 5.67 GHz691 ptsSpan 60.0 MHz Date: 26 JAN 2024 11:13:10		

Appendix C: 26dB bandwidth

Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11n	CH _L	22.62	Pass
			CH _M	22.83	
			CH _H	23.16	
	40	802.11n	CH _L	46.20	Pass
			CH _H	45.72	
II	20	802.11n	CH _L	22.71	Pass
			CH _M	21.54	
			CH _H	22.50	
	40	802.11n	CH _L	45.78	Pass
			CH _H	46.68	
III	20	802.11n	CH _L	21.78	Pass
			CH _M	22.80	
			CH _H	22.77	
	40	802.11n	CH _L	57.96	Pass
			CH _M	56.04	
			CH _H	45.96	





Band II

802.11n (HT20)

CH_L

Spectrum

Ref Level 20.50 dBm

Offset 1.00 dB

RBW 300 kHz

Att 30 dB

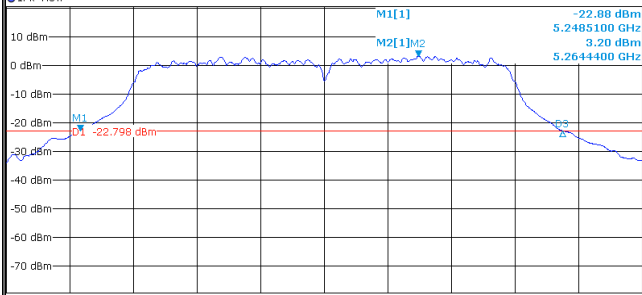
SWT 25.3 μs

VBW 1 MHz

Mode Auto FFT

Count 500/500

1Pk View



CF 5.26 GHz1001 ptsSpan 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.24851 GHz	-22.88 dBm		
M2		1	5.26444 GHz	3.20 dBm		
D3	M1	1	22.71 MHz	0.03 dB		

Date: 26 JAN 2024 10:05:47

CH_M

Spectrum

Ref Level 20.50 dBm

Offset 1.00 dB

RBW 300 kHz

Att 30 dB

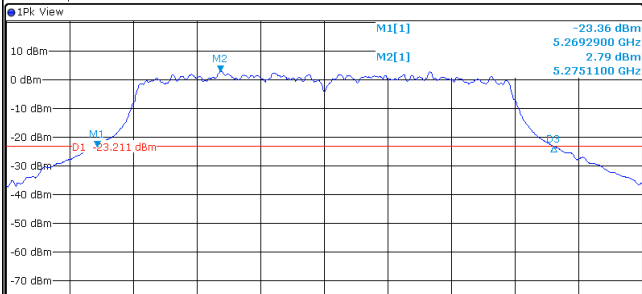
SWT 25.3 μs

VBW 1 MHz

Mode Auto FFT

Count 500/500

1Pk View



CF 5.28 GHz1001 ptsSpan 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26929 GHz	-23.36 dBm		
M2		1	5.27511 GHz	2.79 dBm		
D3	M1	1	21.54 MHz	0.06 dB		

Date: 26 JAN 2024 10:06:49

CH_H

Spectrum

Ref Level 20.50 dBm

Offset 1.00 dB

RBW 300 kHz

Att 30 dB

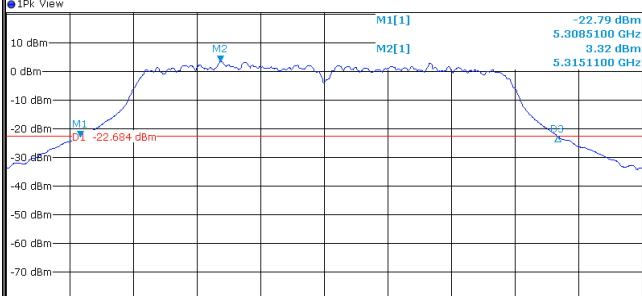
SWT 25.3 μs

VBW 1 MHz

Mode Auto FFT

Count 500/500

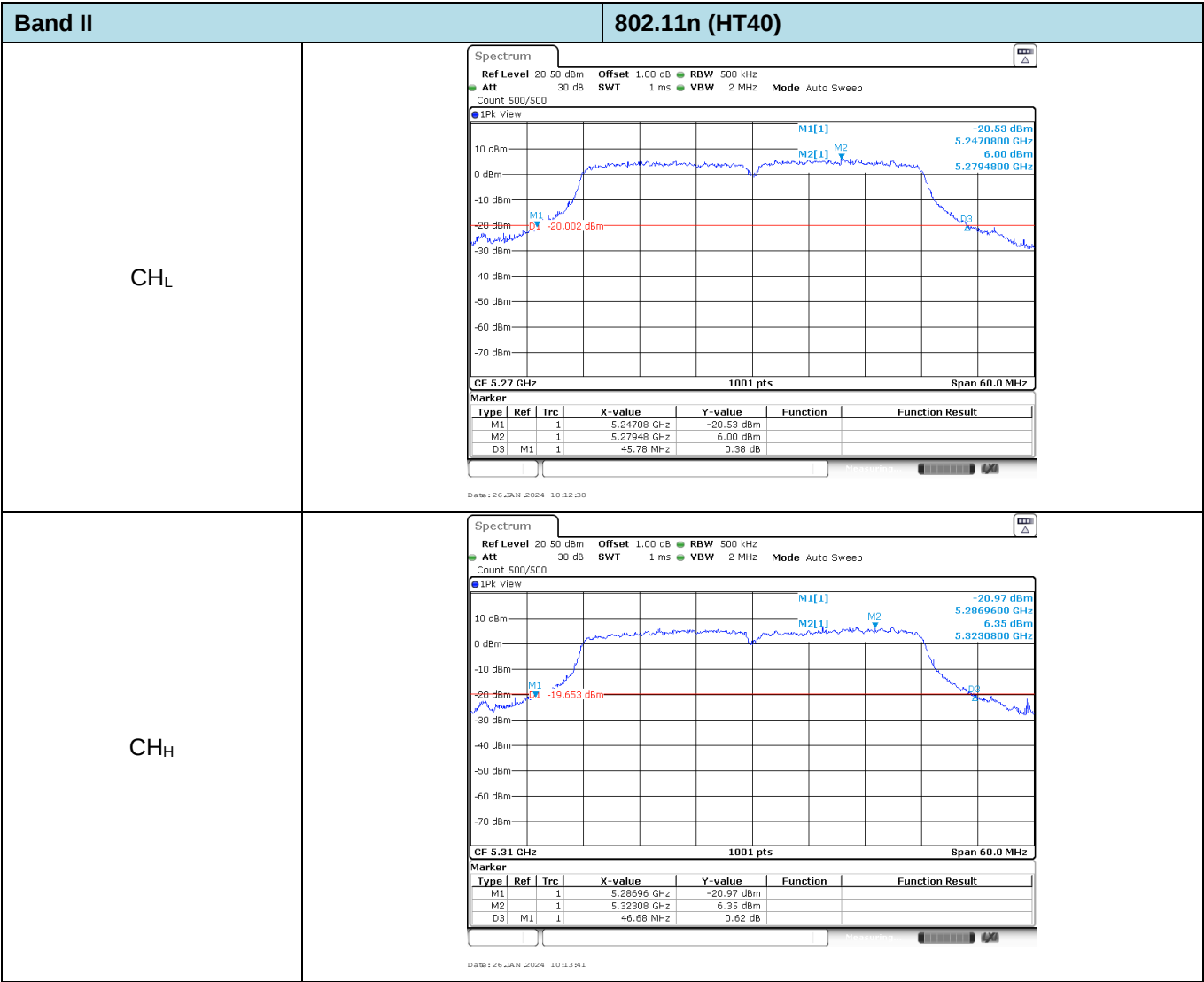
1Pk View

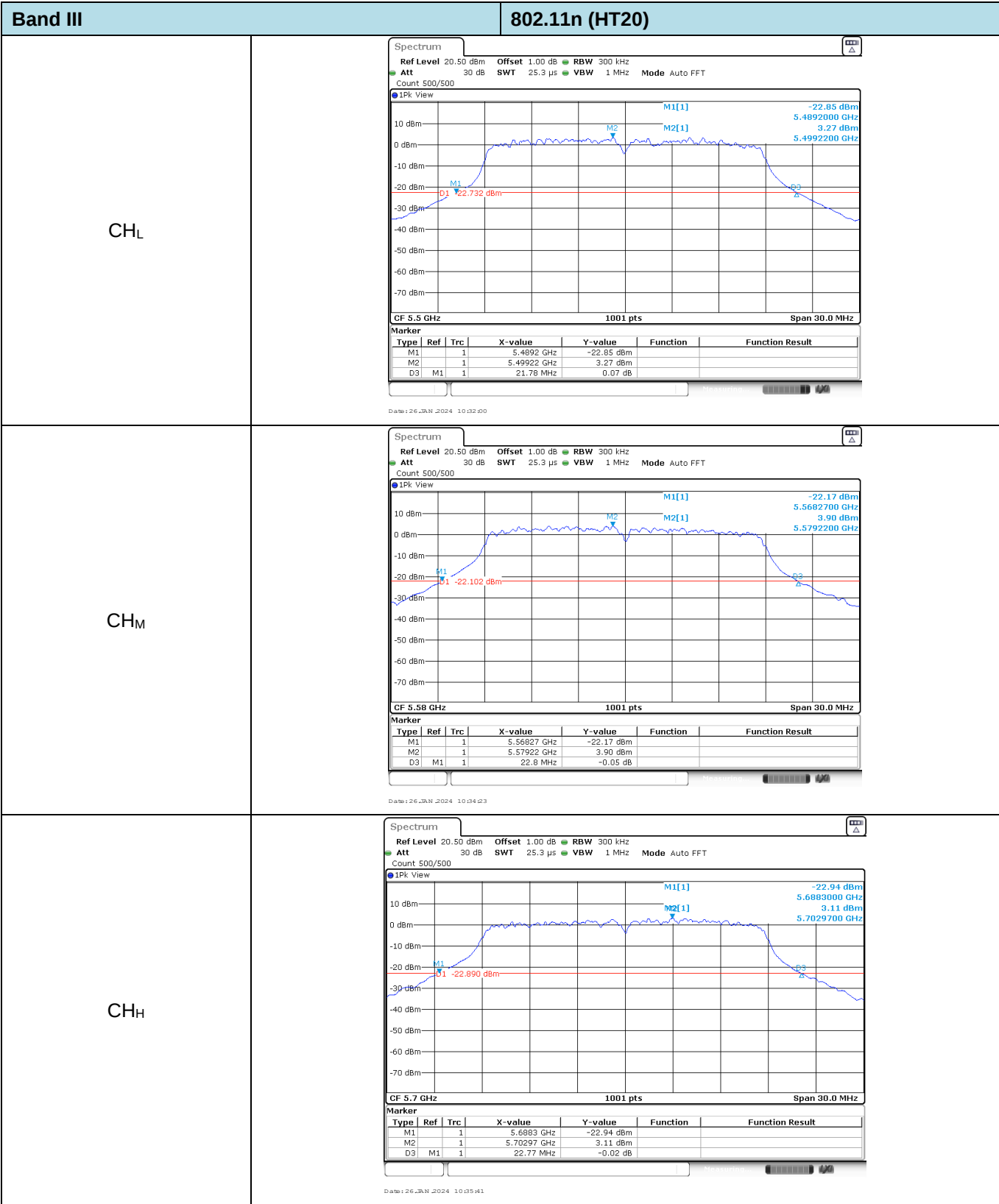


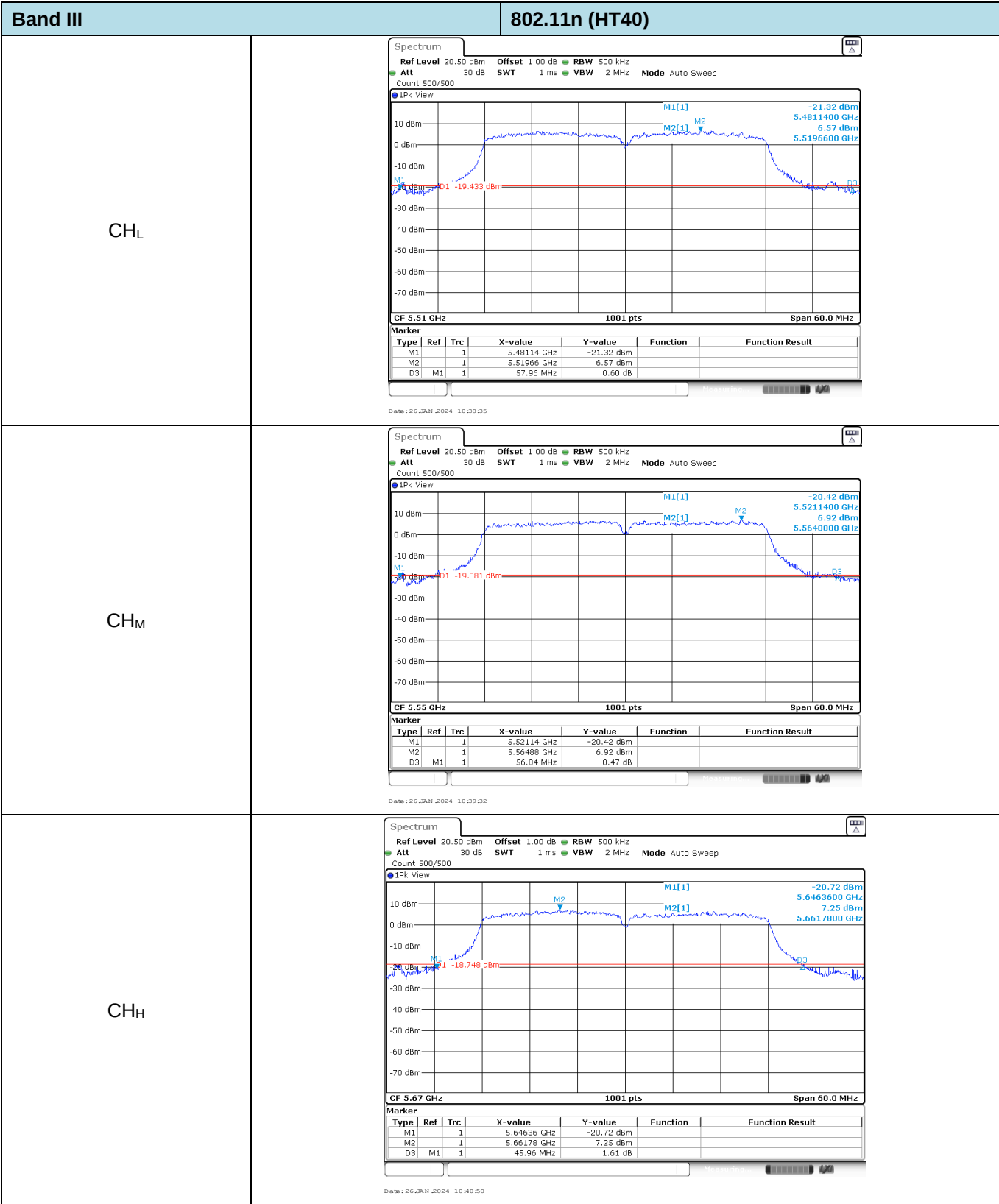
CF 5.32 GHz1001 ptsSpan 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.30851 GHz	-22.79 dBm		
M2		1	5.31511 GHz	3.32 dBm		
D3	M1	1	22.5 MHz	0.10 dB		

Date: 26 JAN 2024 10:08:00



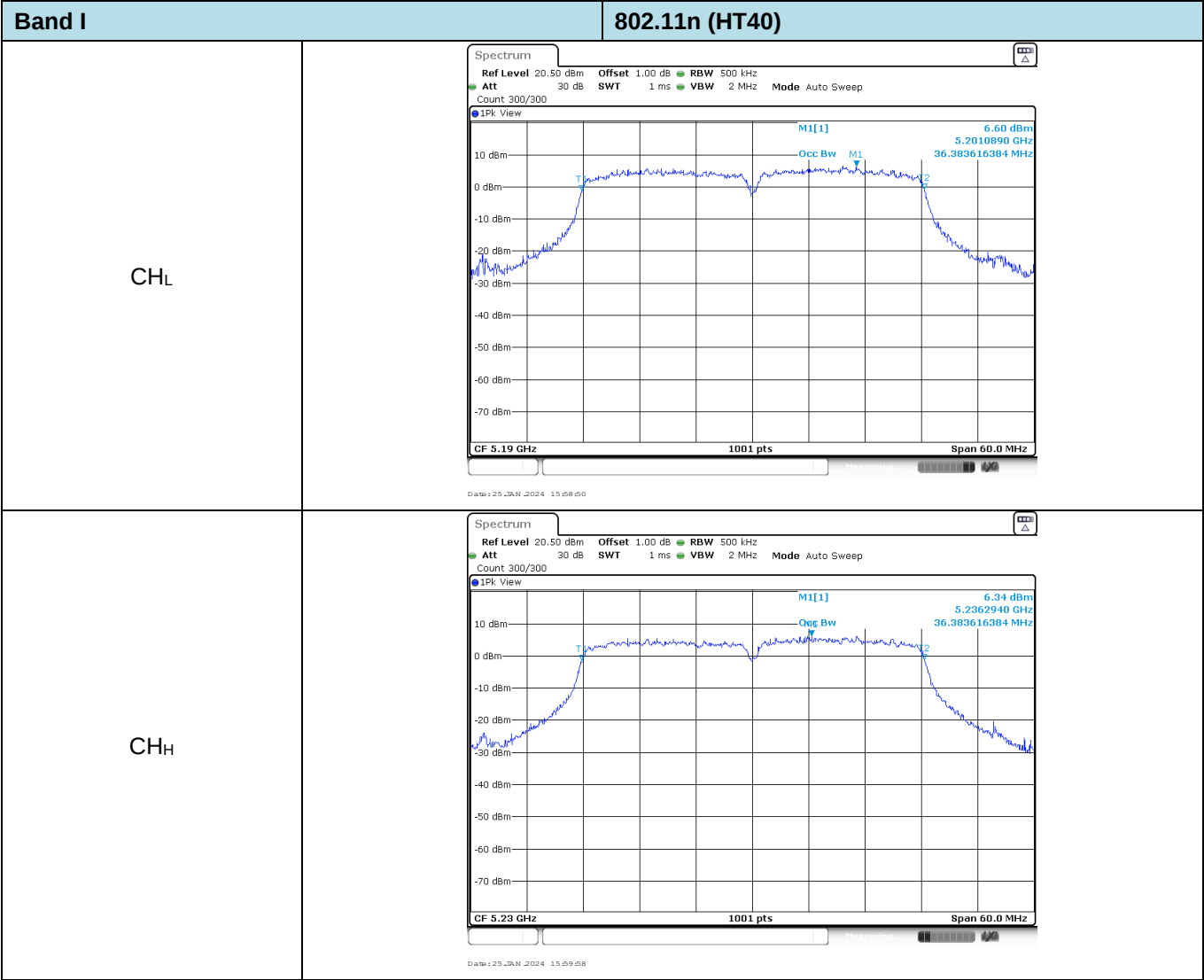


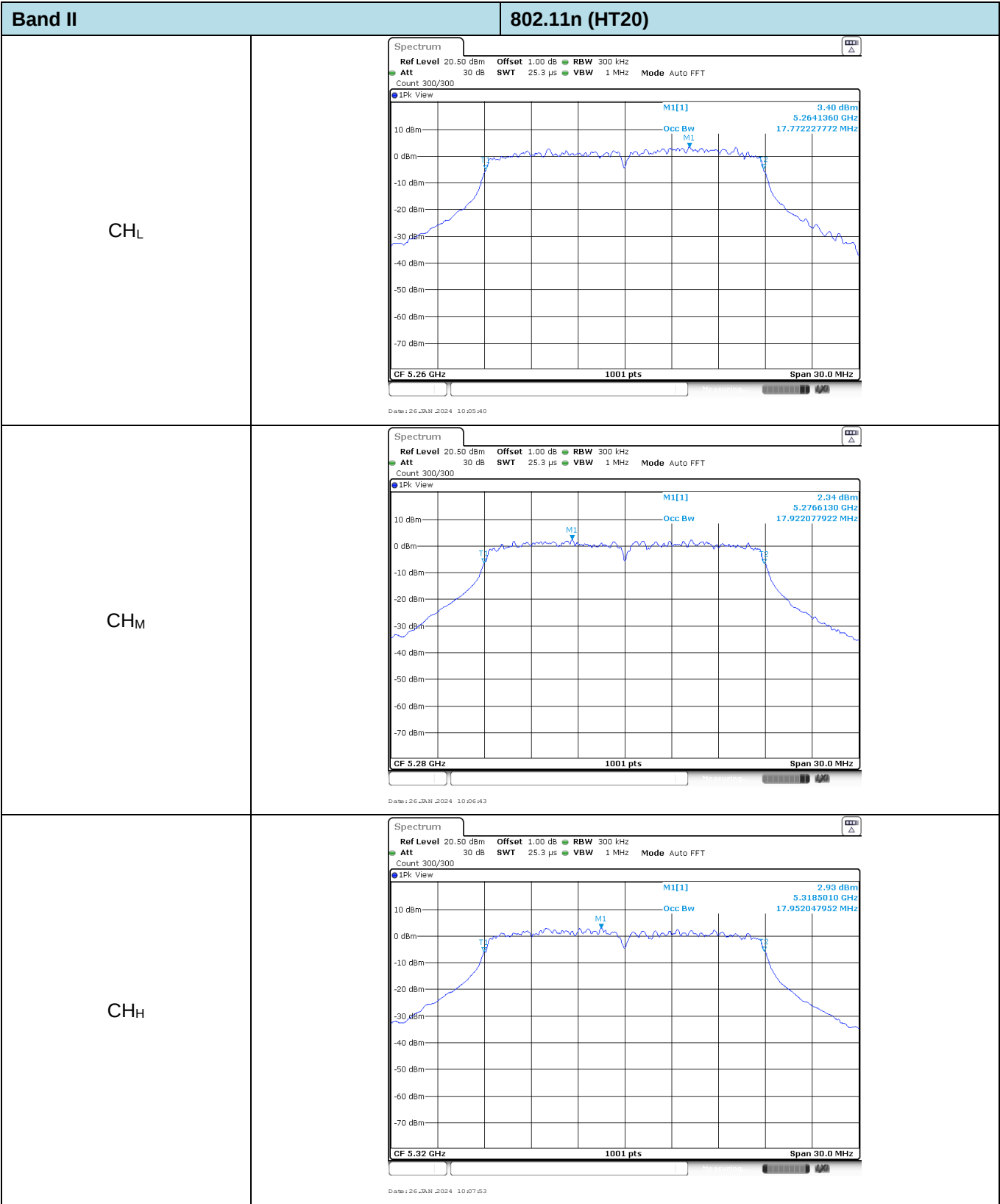


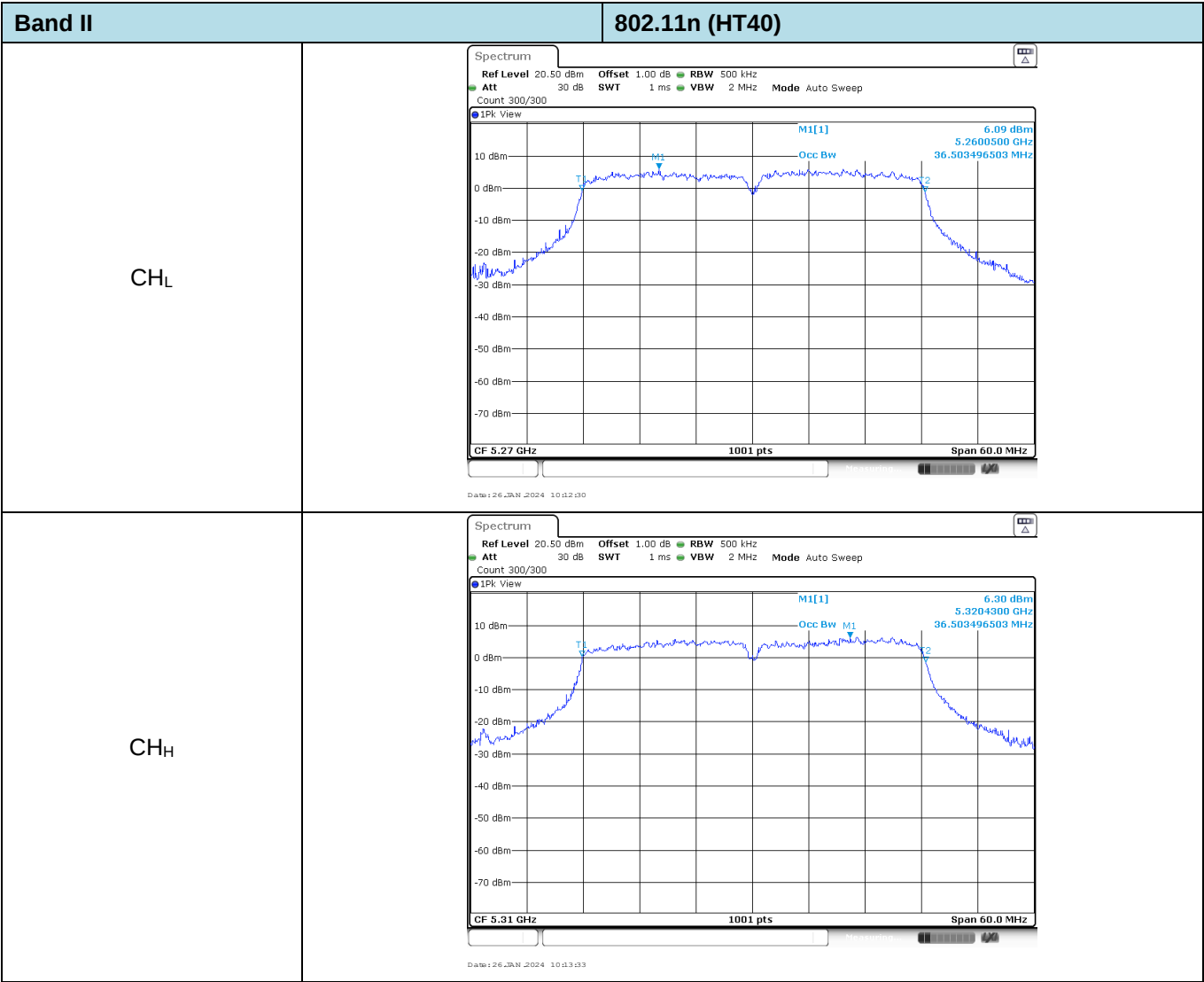
Appendix D: 99% Occupy bandwidth

Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11n	CH _L	17.80	Pass
			CH _M	17.86	
			CH _H	17.86	
	40	802.11n	CH _L	36.38	Pass
			CH _H	36.38	
II	20	802.11n	CH _L	17.77	Pass
			CH _M	17.92	
			CH _H	17.95	
	40	802.11n	CH _L	36.50	Pass
			CH _H	36.50	
III	20	802.11n	CH _L	17.59	Pass
			CH _M	17.83	
			CH _H	17.83	
	40	802.11n	CH _L	36.44	Pass
			CH _M	36.62	
			CH _H	36.44	

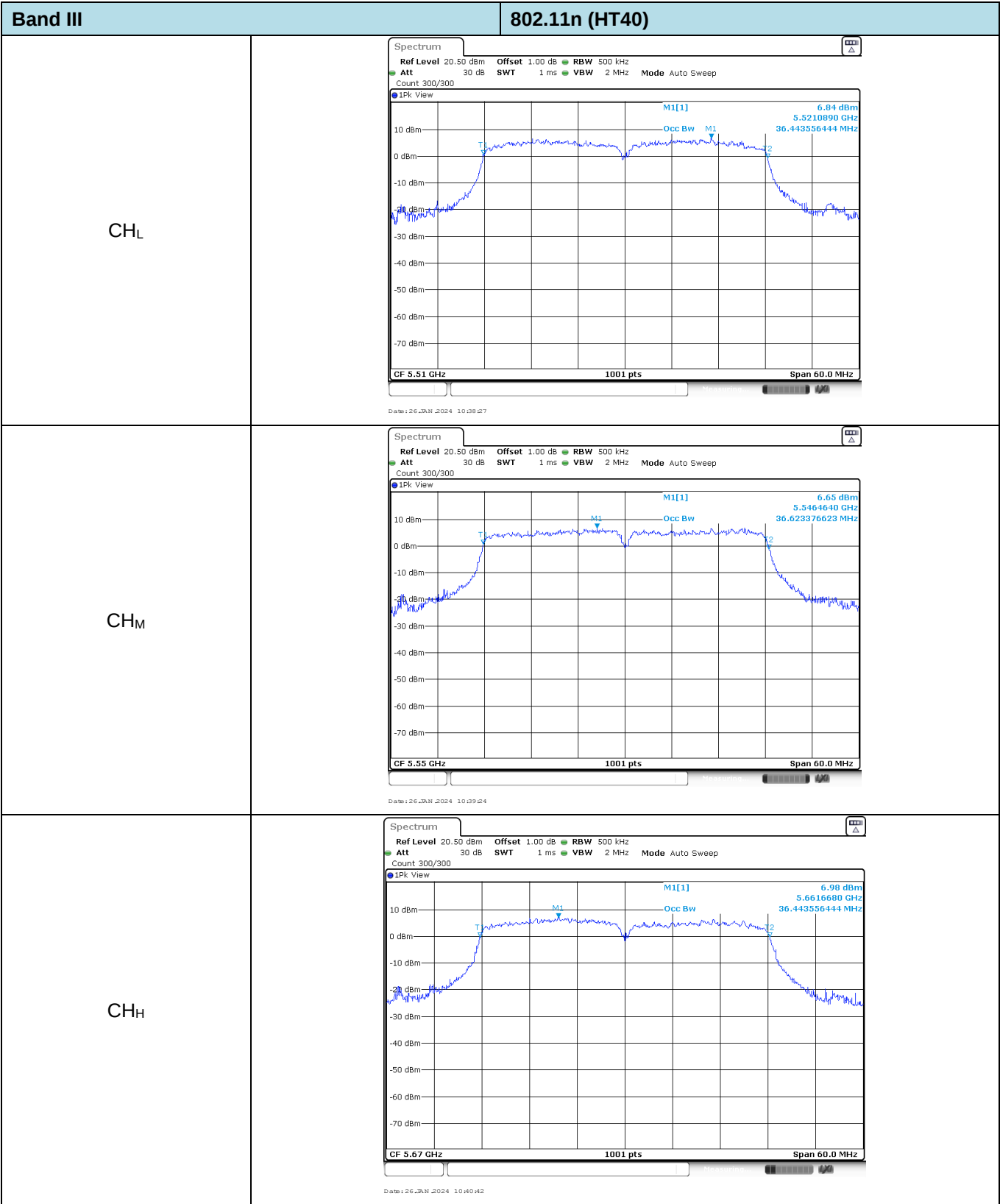
Band I		802.11n (HT20)
CH _L	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] 3.25 dBm 5.1792210 GHz 17.802197802 MHz Occ Bw M1 CF 5.18 GHz 1001 pts Span 30.0 MHz Date: 25 JAN 2024 15:52:18	
CH _M	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] 4.38 dBm 5.2247350 GHz 17.862137862 MHz Occ Bw M1 CF 5.22 GHz 1001 pts Span 30.0 MHz Date: 25 JAN 2024 15:53:29	
CH _H	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] 3.66 dBm 5.2448850 GHz 17.862137862 MHz Occ Bw M1 CF 5.24 GHz 1001 pts Span 30.0 MHz Date: 25 JAN 2024 15:54:30	







Band III		802.11n (HT20)
CH _L	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] 3.27 dBm 5.5014690 GHz 17.592407592 MHz M1 Occ Bw CF 5.5 GHz 1001 pts Span 30.0 MHz Date: 26 JAN 2024 10:31:54	
CH _M	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] 4.09 dBm 5.5792210 GHz 17.832167832 MHz M1 Occ Bw CF 5.58 GHz 1001 pts Span 30.0 MHz Date: 26 JAN 2024 10:34:16	
CH _H	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] 2.98 dBm 5.6992210 GHz 17.832167832 MHz M1 Occ Bw CF 5.7 GHz 1001 pts Span 30.0 MHz Date: 26 JAN 2024 10:35:34	



Appendix E: 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	10000	10000	1.93050	1.93050	PASS
T _N	V _N	10000	10000	1.93050	1.93050	PASS
T _N	V _H	10000	10000	1.93050	1.93050	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	20000	20000	3.80228	3.80228	PASS
T _N	V _N	20000	20000	3.80228	3.80228	PASS
T _N	V _H	20000	20000	3.80228	3.80228	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	10000	10000	1.81818	1.81818	PASS
T _N	V _N	10000	10000	1.81818	1.81818	PASS
T _N	V _H	10000	10000	1.81818	1.81818	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	15000	2.89575	2.89575	PASS
V _N	-10	10000	10000	1.93050	1.93050	PASS
V _N	0	10000	10000	1.93050	1.93050	PASS
V _N	10	10000	10000	1.93050	1.93050	PASS
V _N	20	15000	15000	2.89575	2.89575	PASS
V _N	30	15000	15000	2.89575	2.89575	PASS
V _N	40	15000	15000	2.89575	2.89575	PASS
V _N	50	15000	15000	2.89575	2.89575	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	15000	15000	2.85171	2.85171	PASS
V _N	-10	20000	20000	3.80228	3.80228	PASS
V _N	0	20000	20000	3.80228	3.80228	PASS
V _N	10	20000	20000	3.80228	3.80228	PASS
V _N	20	15000	15000	2.85171	2.85171	PASS
V _N	30	15000	15000	2.85171	2.85171	PASS
V _N	40	15000	15000	2.85171	2.85171	PASS
V _N	50	15000	15000	2.85171	2.85171	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	10000	10000	1.81818	1.81818	PASS
V _N	-10	10000	10000	1.81818	1.81818	PASS
V _N	0	10000	10000	1.81818	1.81818	PASS
V _N	10	10000	10000	1.81818	1.81818	PASS
V _N	20	10000	10000	1.81818	1.81818	PASS
V _N	30	10000	10000	1.81818	1.81818	PASS
V _N	40	10000	10000	1.81818	1.81818	PASS
V _N	50	10000	10000	1.81818	1.81818	PASS

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