

APPENDIX REPORT

Project No.	SHT2505076902W	Radio Specification	WIFI 5G
Test sample No.	YPHT25050769001	Model No.	S10P Wireless
Start test date	2025-06-12	Finish date	2025-06-16
Temperature	23.5℃	Humidity	59%
Test Engineer	Jiaxing Si	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	6 dB Bandwidth	PASS
F	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
				Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2			
I	20	802.11 ac	CH _L	12.86	12.84	92.43	92.34	0.34	0.35	13.2	13.19	16.21	24.00	Pass
			CH _M	12.61	12.71	92.43	92.43	0.34	0.34	12.95	13.05	16.01		
			CH _H	12.73	12.70	92.43	92.43	0.34	0.34	13.07	13.04	16.07		
		802.11 ax	CH _L	12.85	12.73	90.30	90.42	0.44	0.44	13.29	13.17	16.24	24.00	Pass
			CH _M	12.50	12.51	90.40	90.30	0.44	0.44	12.94	12.95	15.96		
			CH _H	12.59	12.56	90.42	90.42	0.44	0.44	13.03	13.00	16.03		
	40	802.11 ac	CH _L	12.36	12.50	85.95	85.95	0.66	0.66	13.02	13.16	16.10	24.00	Pass
			CH _H	12.36	12.41	85.95	85.95	0.66	0.66	13.02	13.07	16.06		
		802.11 ax	CH _L	12.24	12.37	83.33	83.33	0.79	0.79	13.03	13.16	16.11	24.00	Pass
			CH _H	12.20	12.29	83.33	83.33	0.79	0.79	12.99	13.08	16.05		
	80	802.11 ac	CH _M	11.57	11.54	75.34	75.19	1.23	1.24	12.80	12.78	15.80	24.00	Pass
		802.11 ax	CH _M	11.69	11.53	72.80	72.80	1.38	1.38	13.07	12.91	16.00	24.00	Pass

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Ant1	Ant 2	Ant 1	Ant 2	Ant 1	Ant2	Ant 1	Ant2			
IV	20	802.11 ac	CH _L	7.26	6.51	92.43	92.34	0.34	0.35	7.60	6.86	10.26	30.00	Pass
			CH _M	7.20	6.06	92.43	92.43	0.34	0.34	7.54	6.40	10.02		
			CH _H	7.14	5.75	92.34	92.43	0.35	0.34	7.49	6.09	9.86		
		802.11 ax	CH _L	7.14	6.38	90.42	90.42	0.44	0.44	7.58	6.82	10.23	30.00	Pass
			CH _M	7.02	5.91	90.42	90.42	0.44	0.44	7.46	6.35	9.95		
			CH _H	7.01	5.73	90.40	90.42	0.44	0.44	7.45	6.17	9.87		
	40	802.11 ac	CH _L	6.66	6.02	86.03	85.95	0.65	0.66	7.31	6.68	10.02	30.00	Pass
			CH _H	6.52	5.64	85.95	85.95	0.66	0.66	7.18	6.30	9.77		
		802.11 ax	CH _L	6.61	6.02	83.33	83.33	0.79	0.79	7.40	6.81	10.13	30.00	Pass
			CH _H	6.53	5.60	83.33	83.33	0.79	0.79	7.32	6.39	9.89		
	80	802.11 ac	CH _M	6.35	5.56	75.34	75.19	1.23	1.24	7.58	6.80	10.22	30.00	Pass
		802.11 ax	CH _M	6.43	5.58	72.80	72.97	1.38	1.37	7.81	6.95	10.41	30.00	Pass

NOTE: duty cycle factor =10LOG(1/ duty cycle)

Appendix B: Maximum Power Spectral Density

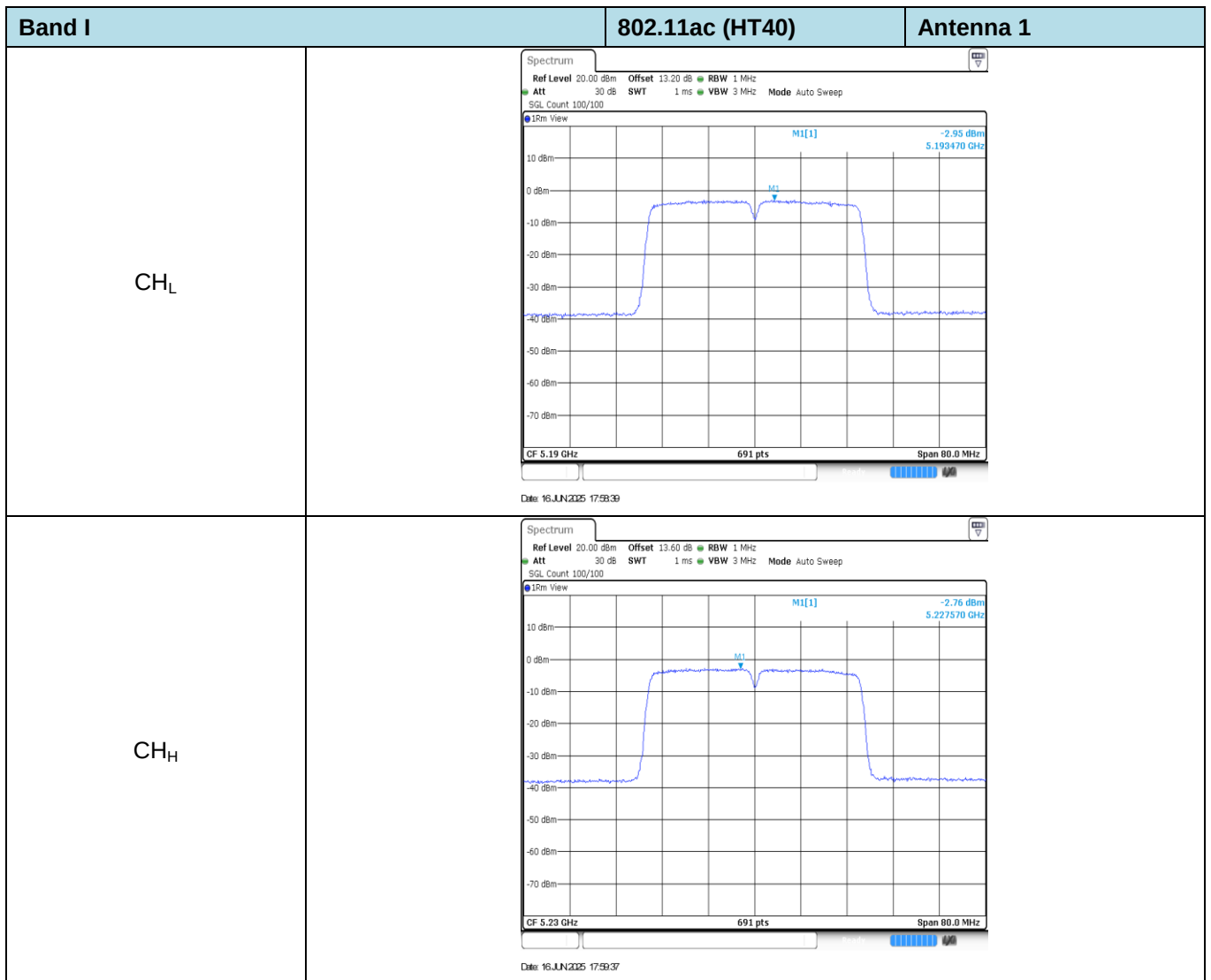
Band	Band width (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Power Spectral Density (dBm/MHz)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
				Ant1	Ant2	Ant1	Ant 2	Ant1	Ant 2	Ant 1	Ant 2			
I	20	802.11ac	CHL	0.63	0.93	92.43	92.34	0.34	0.35	0.97	1.28	4.14	11.00	Pass
			CHM	0.45	0.45	92.43	92.43	0.34	0.34	0.79	0.79	3.80		
			CHH	0.67	0.42	92.43	92.43	0.34	0.34	1.01	0.76	3.90		
		802.11ax	CHL	0.43	0.52	90.30	90.42	0.44	0.44	0.87	0.96	3.93	11.00	Pass
			CHM	0.25	0.26	90.40	90.30	0.44	0.44	0.69	0.70	3.71		
			CHH	0.36	0.17	90.42	90.42	0.44	0.44	0.80	0.61	3.72		
	40	802.11ac	CHL	-2.95	-2.85	85.95	85.95	0.66	0.66	-2.29	-2.19	0.77	11.00	Pass
			CHH	-2.76	-2.88	85.95	85.95	0.66	0.66	-2.10	-2.22	0.85		
		802.11ax	CHL	-3.31	-3.04	83.33	83.33	0.79	0.79	-2.52	-2.25	0.63	11.00	Pass
			CHH	-2.70	-2.76	83.33	83.33	0.79	0.79	-1.91	-1.97	1.07		
	80	802.11ac	CHM	-5.95	-6.32	75.34	75.19	1.23	1.24	-4.72	-5.08	-1.89	11.00	Pass
		802.11ax	CHM	-5.73	-6.23	72.80	72.80	1.38	1.38	-4.35	-4.85	-1.58	11.00	Pass

Band	Band width (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Power Spectral Density (dBm/500kHz)		Total PSD (dBm/MHz)	Limit (dBm/500KHz)	Result
				Ant1	Ant2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2			
IV	20	802.11ac	CHL	-8.08	-9.02	92.43	92.34	0.34	0.35	-7.74	-8.67	-5.17	30.00	Pass
			CHM	-8.01	-9.39	92.43	92.43	0.34	0.34	-7.67	-9.05	-5.30		
			CHH	-7.97	-9.47	92.34	92.43	0.35	0.34	-7.62	-9.13	-5.30		
		802.11ax	CHL	-8.58	-8.96	90.42	90.42	0.44	0.44	-8.14	-8.52	-5.32	30.00	Pass
			CHM	-8.49	-9.41	90.42	90.42	0.44	0.44	-8.05	-8.97	-5.48		
			CHH	-8.09	-9.44	90.40	90.42	0.44	0.44	-7.65	-9.00	-5.26		
	40	802.11ac	CHL	-11.74	-12.41	86.03	85.95	0.65	0.66	-11.09	-11.75	-8.40	30.00	Pass
			CHH	-11.94	-12.88	85.95	85.95	0.66	0.66	-11.28	-12.22	-8.71		
		802.11ax	CHL	-11.97	-12.52	83.33	83.33	0.79	0.79	-11.18	-11.73	-8.44	30.00	Pass
			CHH	-12.00	-12.93	83.33	83.33	0.79	0.79	-11.21	-12.14	-8.64		
	80	802.11ac	CHM	-14.16	-15.06	75.34	75.19	1.23	1.24	-12.93	-13.82	-10.34	30.00	Pass
		802.11ax	CHM	-13.80	-14.73	72.80	72.97	1.38	1.37	-12.42	-13.36	-9.85	30.00	Pass

Test plot as follows:

Band I	802.11ac (HT20)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.23 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 15m View M1[1] 0.63 dBm 5.1816790 GHz M1 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 40.0 MHz Date: 16.JUN.2025 17:53:01	
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.39 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 15m View M1[1] 0.45 dBm 5.2213310 GHz M1 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 40.0 MHz Date: 16.JUN.2025 17:54:02	
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.69 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 15m View M1[1] 0.67 dBm 5.2363530 GHz M1 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 40.0 MHz Date: 16.JUN.2025 17:54:57	

Band I		802.11ax (VHT20)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.23 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] 0.43 dBm 5.1846890 GHz M1 CF 5.18 GHz 691 pts Span 40.0 MHz Date: 16.JUN.2025 18:29:57		
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.39 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] 0.25 dBm 5.2189580 GHz M1 CF 5.22 GHz 691 pts Span 40.0 MHz Date: 16.JUN.2025 18:30:55		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.69 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] 0.36 dBm 5.2367000 GHz M1 CF 5.24 GHz 691 pts Span 40.0 MHz Date: 16.JUN.2025 18:31:55		



Band I

802.11ax (VHT40)

Antenna 1

CH_L

Spectrum

Ref Level 20.00 dBm Offset 13.20 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Rm View

MI[1] -3.31 dBm
5.184330 GHz

CF 5.19 GHz 691 pts Span 80.0 MHz

Date: 16 JUN 2025 18:35:42

CH_H

Spectrum

Ref Level 20.00 dBm Offset 13.60 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Rm View

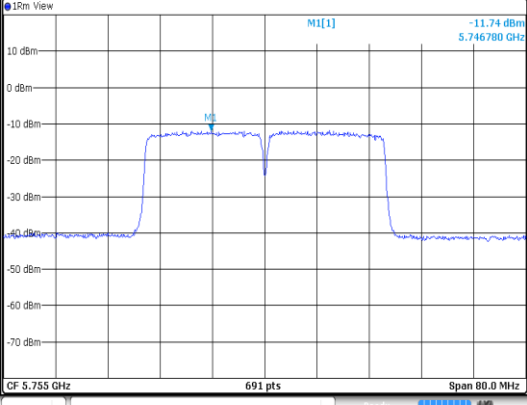
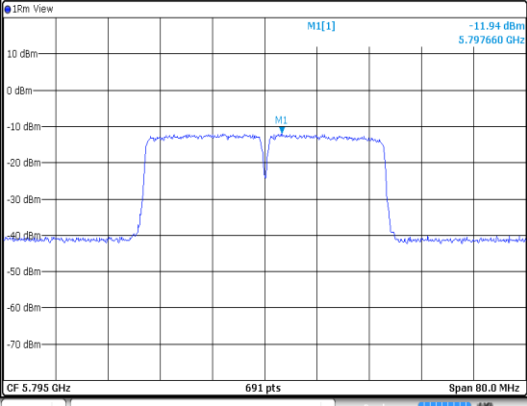
MI[1] -2.70 dBm
5.210890 GHz

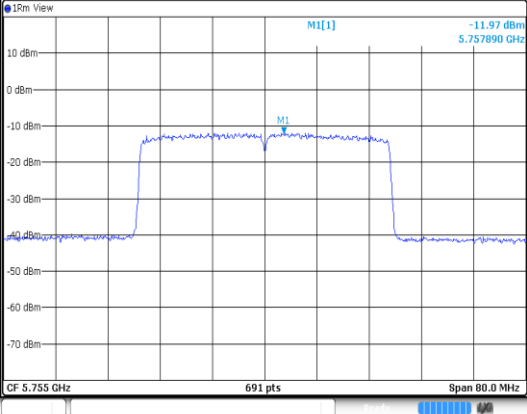
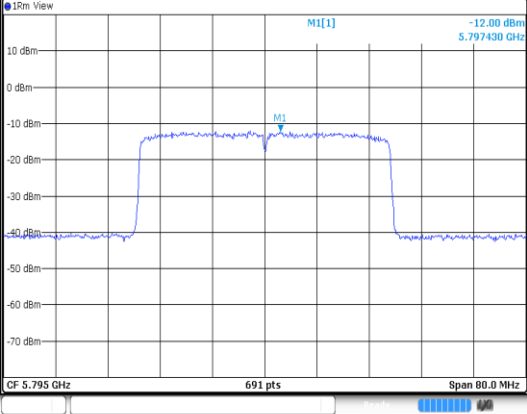
CF 5.23 GHz 691 pts Span 80.0 MHz

Date: 16 JUN 2025 18:38:33

Band I		802.11ac (HT80)	Antenna 1
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.18 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 IRm View M1[1] -5.95 dBm 5.237550 GHz M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.21 GHz 691 pts Span 160.0 MHz Date: 16.JUN.2025 18:28:09		
Band I		802.11ax (VHT80)	Antenna 1
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.30 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 IRm View M1[1] -5.73 dBm 5.243810 GHz M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.21 GHz 691 pts Span 160.0 MHz Date: 16.JUN.2025 18:39:29		

Band IV		802.11ac (HT20)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.36 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep SGL Count 100/100 12m View M1[1] -8.08 dBm 5.7439000 GHz M1 CF 5.745 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 17:55:55		
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.36 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep SGL Count 100/100 12m View M1[1] -8.01 dBm 5.7815850 GHz M1 CF 5.785 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 17:56:51		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.77 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep SGL Count 100/100 12m View M1[1] -7.97 dBm 5.8225110 GHz M1 CF 5.825 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 17:57:43		

Band IV		802.11ac (HT40)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.36 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -11.74 dBm 5.746780 GHz  CF 5.755 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:25:32		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.36 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -11.94 dBm 5.797660 GHz  CF 5.795 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:28:25		

Band IV		802.11ax (VHT40)	Antenna 1
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.36 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -11.97 dBm 5.757890 GHz  CF 5.755 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:37:33		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.36 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -12.00 dBm 5.797430 GHz  CF 5.795 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:39:28		

Band IV		802.11ac (HT80)	Antenna 1
CH _M	The spectrum plot for 802.11ac (HT80) shows a signal between -40 dBm and -14.16 dBm at 5.741430 GHz. The plot includes a grid with frequency on the x-axis (5.775 GHz to 5.835 GHz) and power on the y-axis (-80 dBm to 10 dBm). The signal is a rectangular pulse with a bandwidth of 80 MHz. The peak power is -14.16 dBm. The plot also shows the reference level (20.00 dBm), offset (13.36 dB), and other parameters.		
Band IV		802.11ax (VHT80)	Antenna 1
CH _M	The spectrum plot for 802.11ax (VHT80) shows a signal between -40 dBm and -13.80 dBm at 5.742580 GHz. The plot includes a grid with frequency on the x-axis (5.775 GHz to 5.835 GHz) and power on the y-axis (-80 dBm to 10 dBm). The signal is a rectangular pulse with a bandwidth of 80 MHz. The peak power is -13.80 dBm. The plot also shows the reference level (20.00 dBm), offset (13.36 dB), and other parameters.		

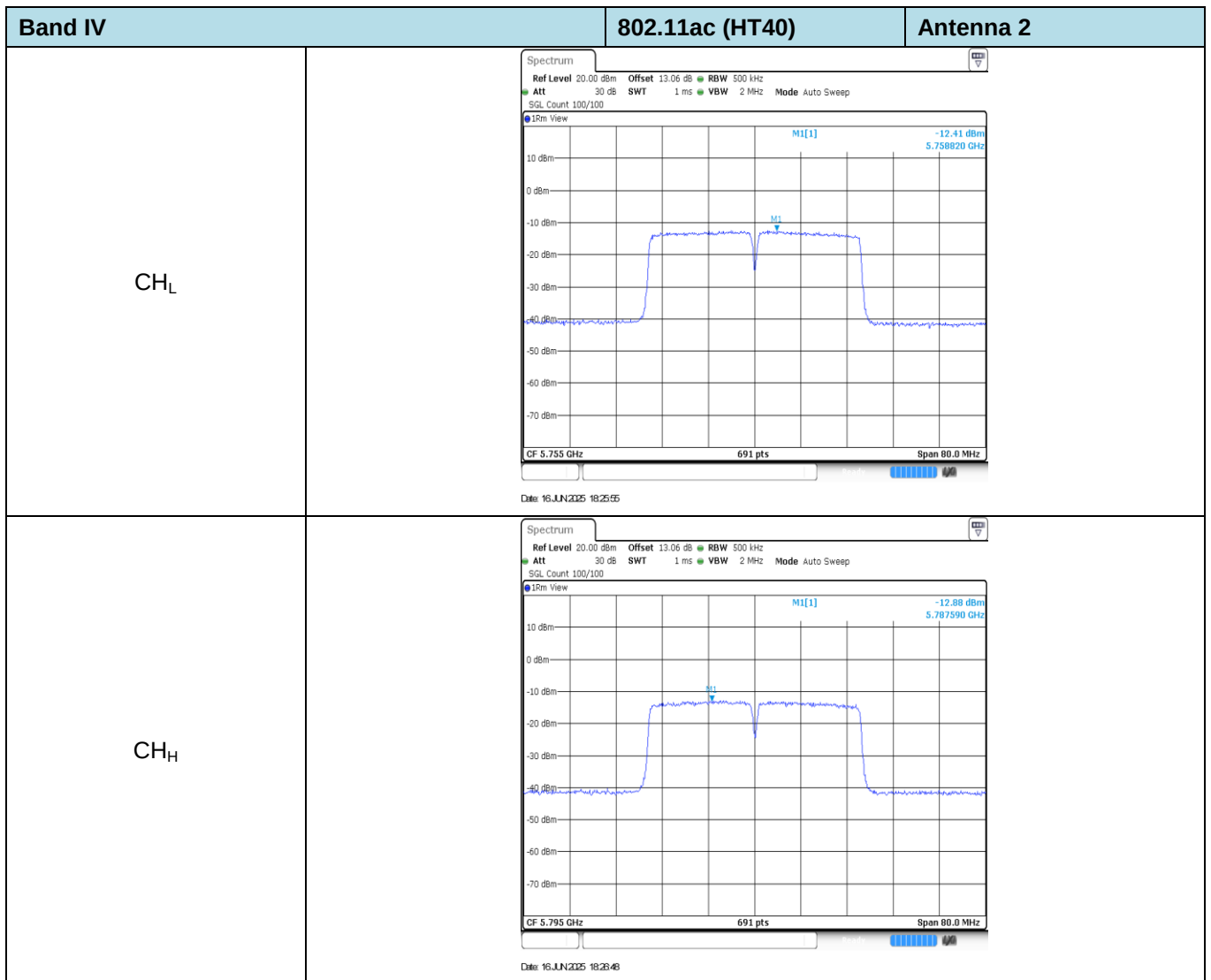
Band I		802.11ac (HT20)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Offset 12.99 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View N1[1] 0.93 dBm 5.1826630 GHz M1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.18 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 17:53:26		
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.29 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View N1[1] 0.45 dBm 5.2172790 GHz M1 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 40.0 MHz Date: 16 JUN 2025 17:54:26		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.11 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View N1[1] 0.42 dBm 5.2420840 GHz M1 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 40.0 MHz Date: 16 JUN 2025 17:55:20		

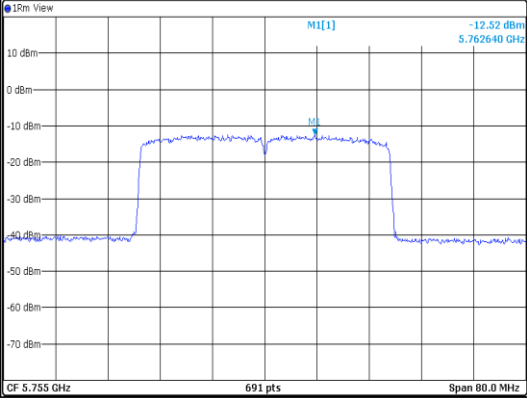
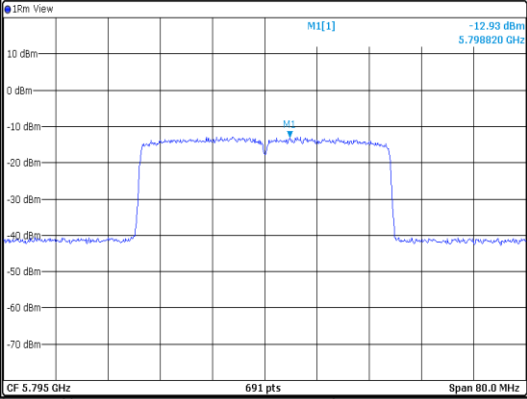
Band I	802.11ax (VHT20)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Offset 12.99 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View M1[1] 0.52 dBm 5.1824890 GHz M1 CF 5.18 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 18:30:22	
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.29 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View M1[1] 0.26 dBm 5.2187260 GHz M1 CF 5.22 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 18:31:21	
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.11 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View M1[1] 0.17 dBm 5.2417370 GHz M1 CF 5.24 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 18:32:19	

Band I		802.11ax (VHT40)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Offset 12.99 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -3.04 dBm 5.184210 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.19 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:30:05		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.23 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -2.76 dBm 5.224330 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.23 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:30:55		

Band I		802.11ac (HT80)	Antenna 2
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.30 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View M1[1] -6.32 dBm 5.237320 GHz M1 CF 5.21 GHz 691 pts Span 160.0 MHz Date 16 JUN 2025 18:27:44		
Band I		802.11ax (VHT80)	Antenna 2
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.18 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep SGL Count 100/100 1Rm View M1[1] -6.23 dBm 5.238020 GHz M1 CF 5.21 GHz 691 pts Span 160.0 MHz Date 16 JUN 2025 18:39:52		

Band IV	802.11ax (VHT20)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.06 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -8.96 dBm 5.7432630 GHz M1 CF 5.745 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 18:33:19	
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.06 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -9.41 dBm 5.7821640 GHz M1 CF 5.785 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 18:34:10	
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.35 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -9.44 dBm 5.8284150 GHz M1 CF 5.825 GHz 691 pts Span 40.0 MHz Date: 16 JUN 2025 18:35:11	



Band IV		802.11ax (VHT40)	Antenna 2
CH _L	Spectrum Ref Level 20.00 dBm Offset 13.06 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -12.52 dBm 5.762640 GHz  CF 5.755 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:37:59		
CH _H	Spectrum Ref Level 20.00 dBm Offset 13.06 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Sgl Count 100/100 1Rm View M1[1] -12.93 dBm 5.798820 GHz  CF 5.795 GHz 691 pts Span 80.0 MHz Date: 16 JUN 2025 18:39:55		

Band IV		802.11ac (HT80)	Antenna 2
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.06 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep SGL Count 100/100 IRm View M1 M1[1] -15.06 dBm 5.737950 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.775 GHz 691 pts Span 160.0 MHz Date: 16.JUN.2025 18:28:21		
Band IV		802.11ax (VHT80)	Antenna 2
CH _M	Spectrum Ref Level 20.00 dBm Offset 13.06 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep SGL Count 100/100 IRm View M1 M1[1] -14.73 dBm 5.738650 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.775 GHz 691 pts Span 160.0 MHz Date: 16.JUN.2025 18:40:52		

Appendix C: 26dB bandwidth

Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	22.65	Pass
			CH _M	22.92	
			CH _H	19.71	
		802.11ax	CH _L	20.58	Pass
			CH _M	20.46	
			CH _H	20.34	
	40	802.11ac	CH _L	60.00	Pass
			CH _H	60.00	
		802.11ax	CH _L	59.10	Pass
			CH _H	59.04	
	80	802.11ac	CH _M	120.00	Pass
		802.11ax	CH _M	104.40	Pass

Band I

802.11ac (HT20)

CH_L

Spectrum

Ref Level 20.50 dBm

Offset 0.50 dB

RBW 300 kHz

Att 30 dB

SWT 25.3 μs

VBW 1 MHz

Mode Auto FFT

Count 500/500

1Pk View

CF 5.18 GHz

1001 pts

Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.17013 GHz	-19.15 dBm		
M2		1	5.18225 GHz	7.29 dBm		
D3	M1	1	22.65 MHz	0.43 dB		

Date: 12 JUN 2025 09:44:05

CH_M

Spectrum

Ref Level 20.50 dBm

Offset 0.50 dB

RBW 300 kHz

Att 30 dB

SWT 25.3 μs

VBW 1 MHz

Mode Auto FFT

Count 500/500

1Pk View

CF 5.22 GHz

1001 pts

Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.20701 GHz	-18.44 dBm		
M2		1	5.2254 GHz	7.59 dBm		
D3	M1	1	22.92 MHz	-0.12 dB		

Date: 12 JUN 2025 09:45:41

CH_H

Spectrum

Ref Level 20.50 dBm

Offset 0.50 dB

RBW 300 kHz

Att 30 dB

SWT 25.3 μs

VBW 1 MHz

Mode Auto FFT

Count 500/500

1Pk View

CF 5.24 GHz

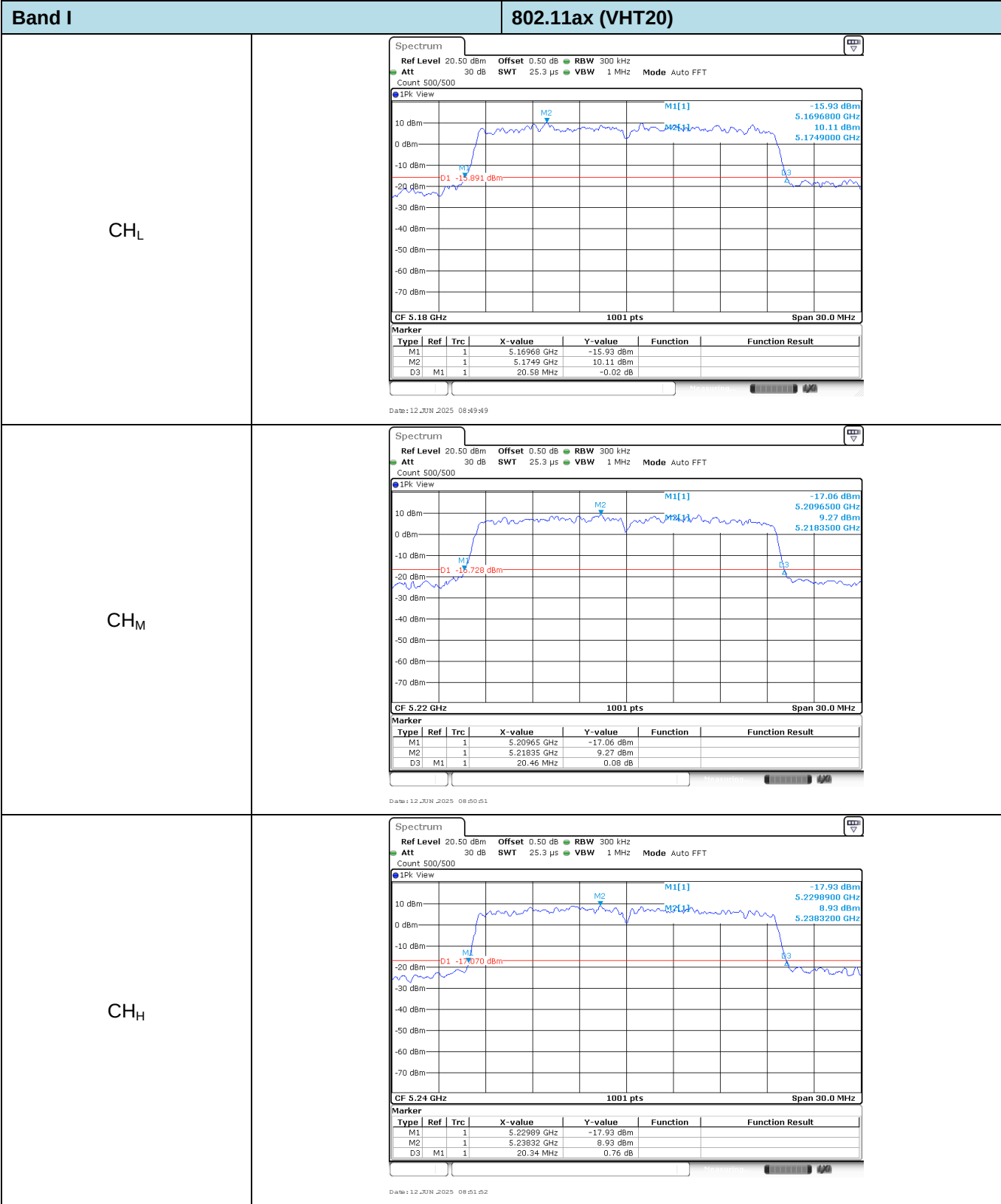
1001 pts

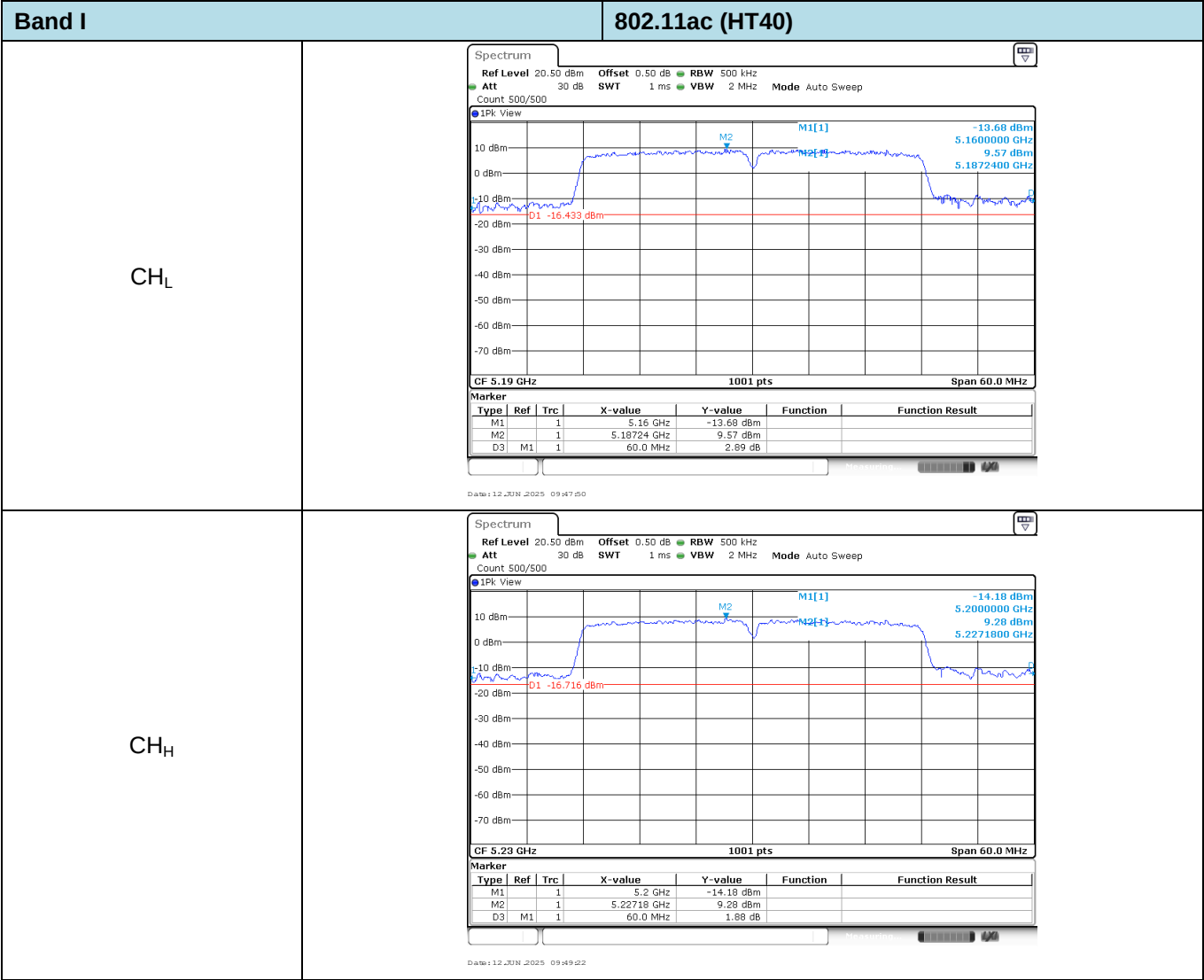
Span 30.0 MHz

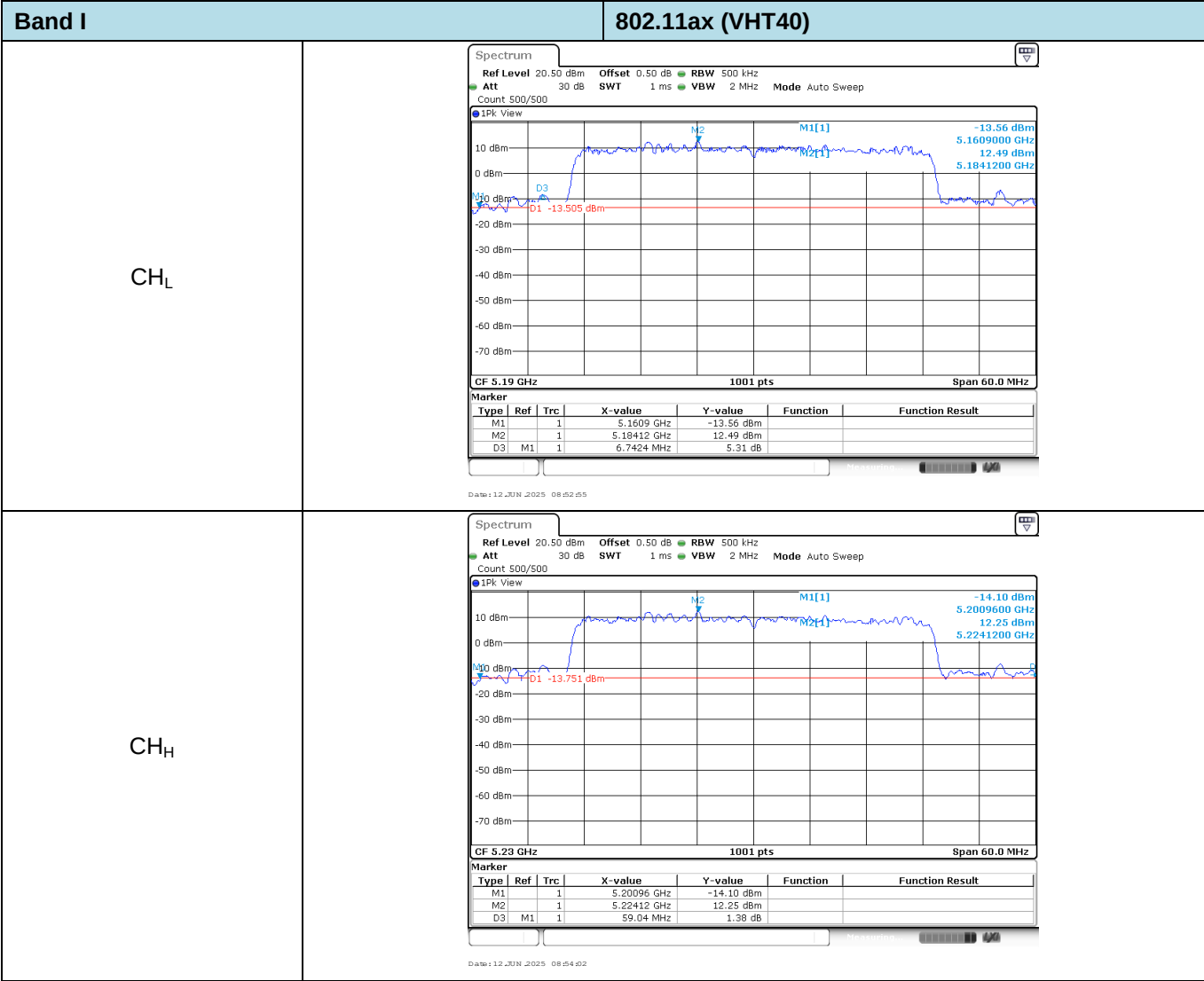
Marker

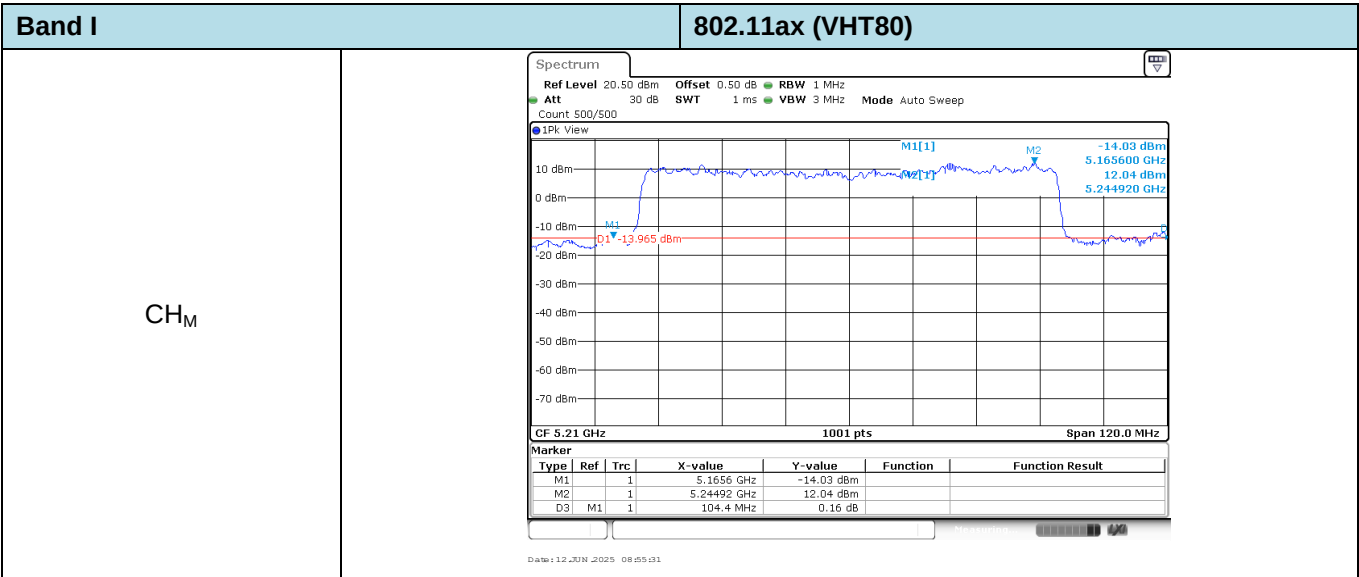
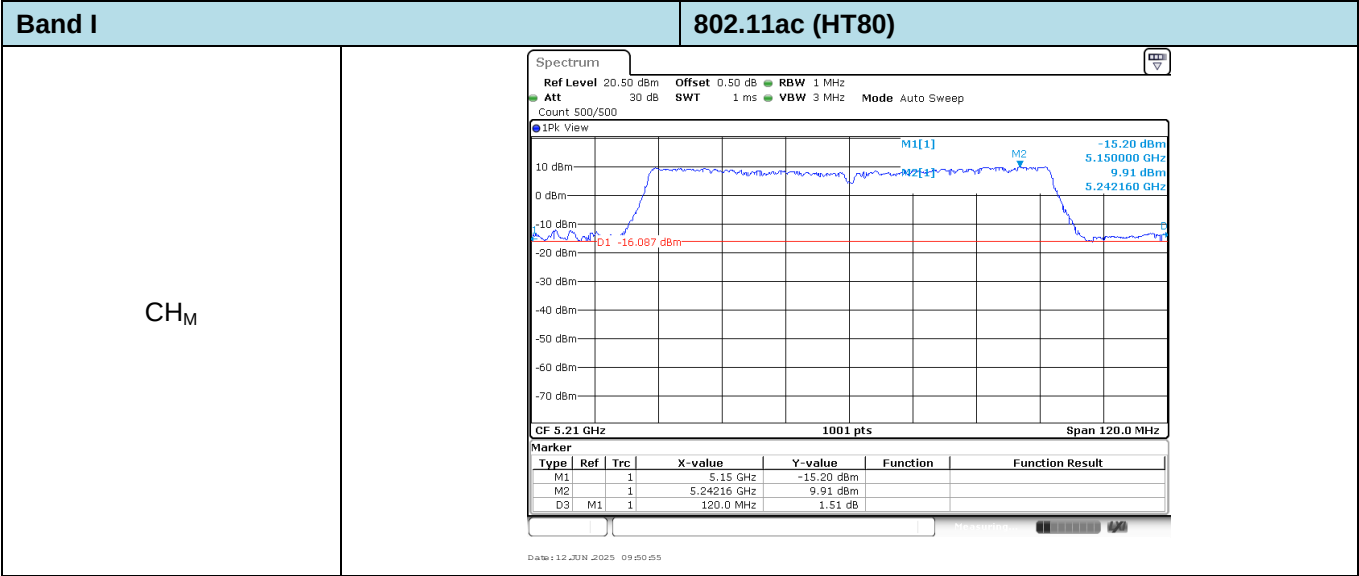
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23004 GHz	-19.06 dBm		
M2		1	5.24462 GHz	7.05 dBm		
D3	M1	1	19.71 MHz	0.04 dB		

Date: 12 JUN 2025 09:46:39









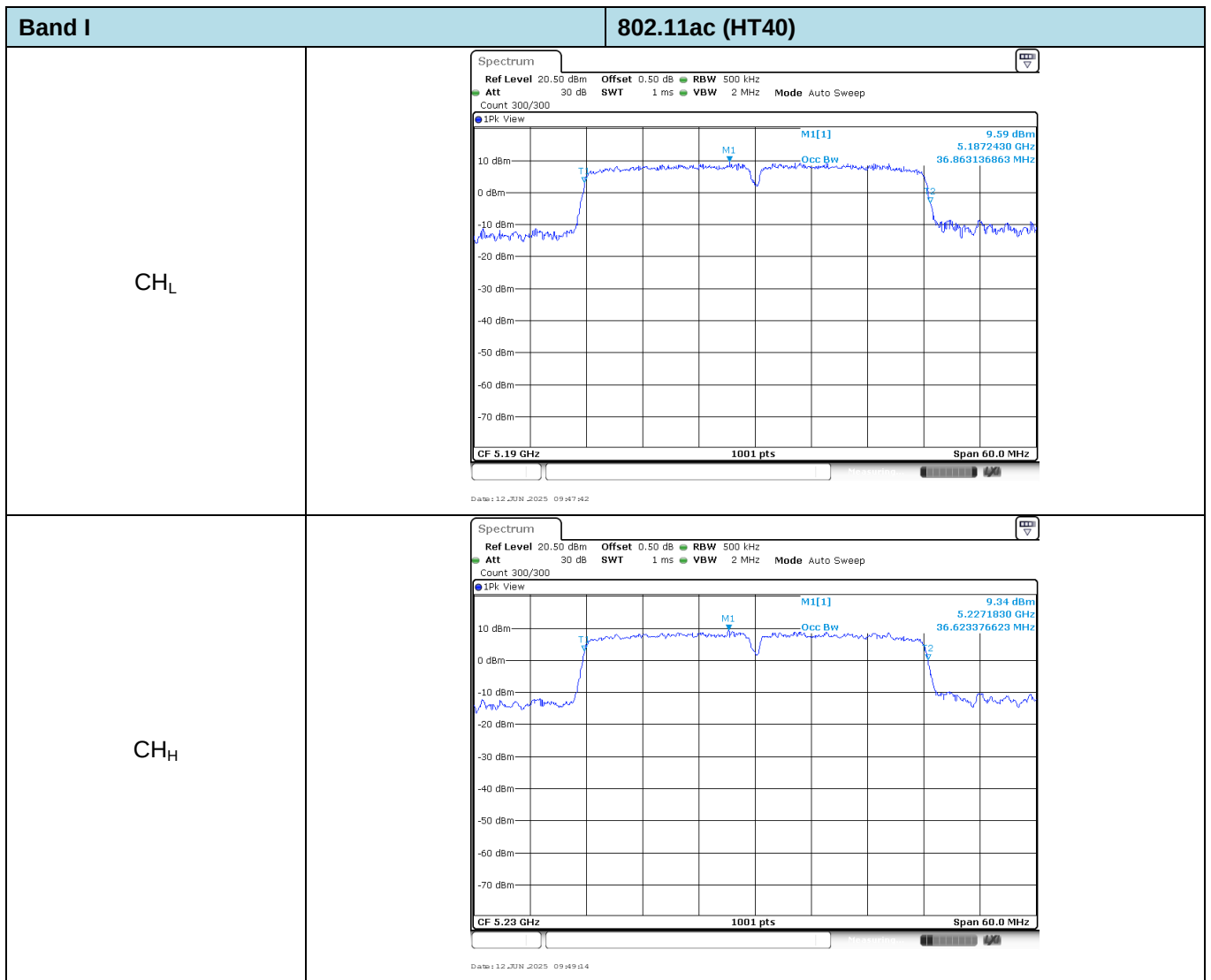
Appendix D: 99% Occupy bandwidth

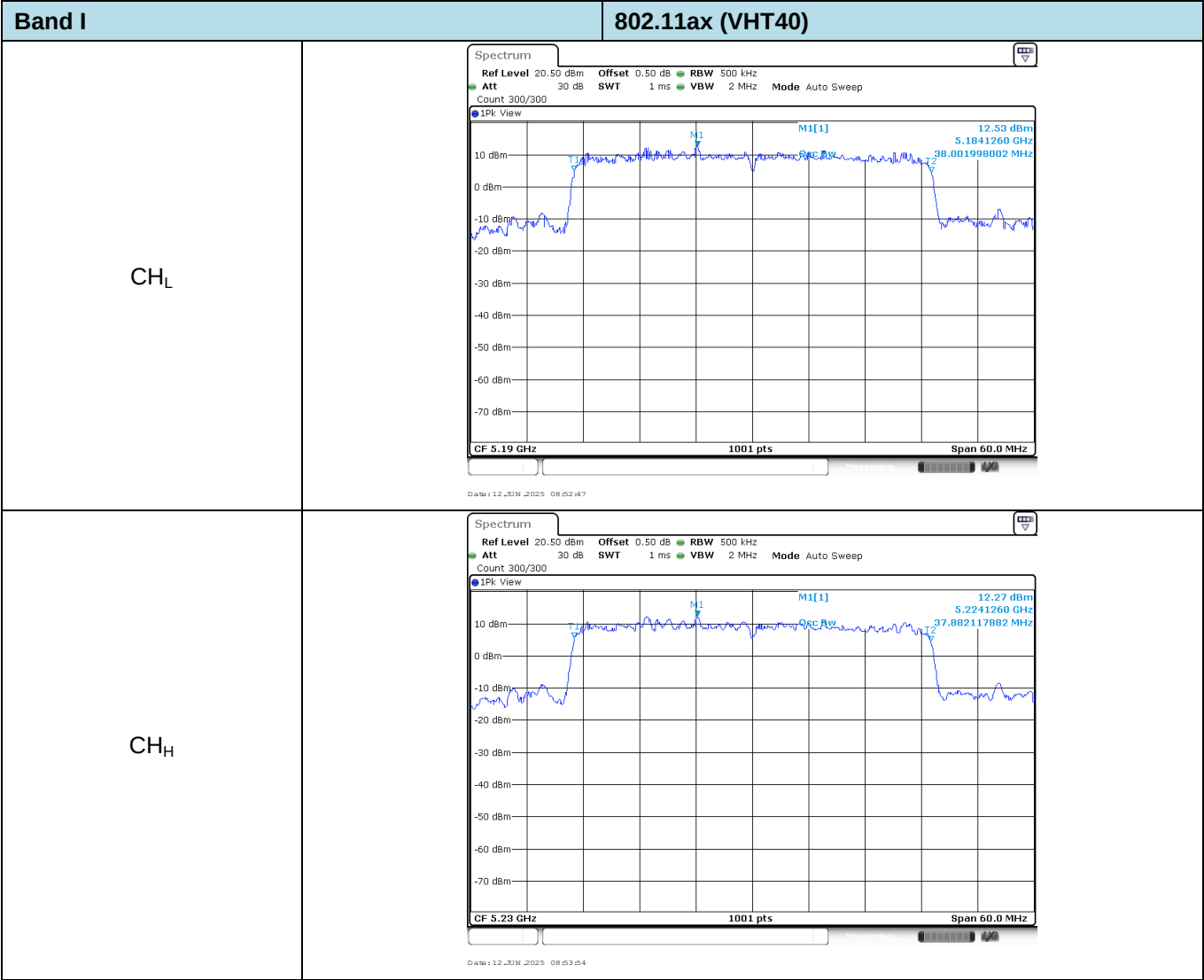
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.56	Pass
			CH _M	17.59	
			CH _H	17.65	
		802.11ax	CH _L	18.94	Pass
			CH _M	18.94	
			CH _H	18.94	
	40	802.11ac	CH _L	36.86	Pass
			CH _H	36.62	
		802.11ax	CH _L	38.00	Pass
			CH _H	37.88	
	80	802.11ac	CH _M	76.96	Pass
		802.11ax	CH _M	77.56	Pass

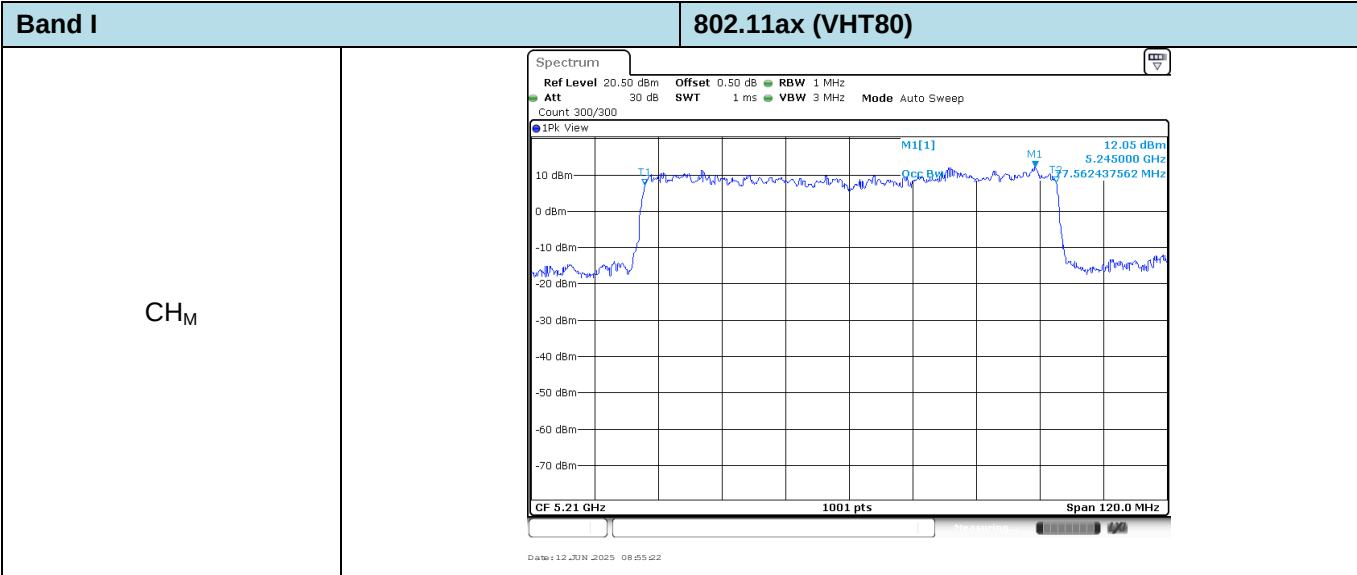
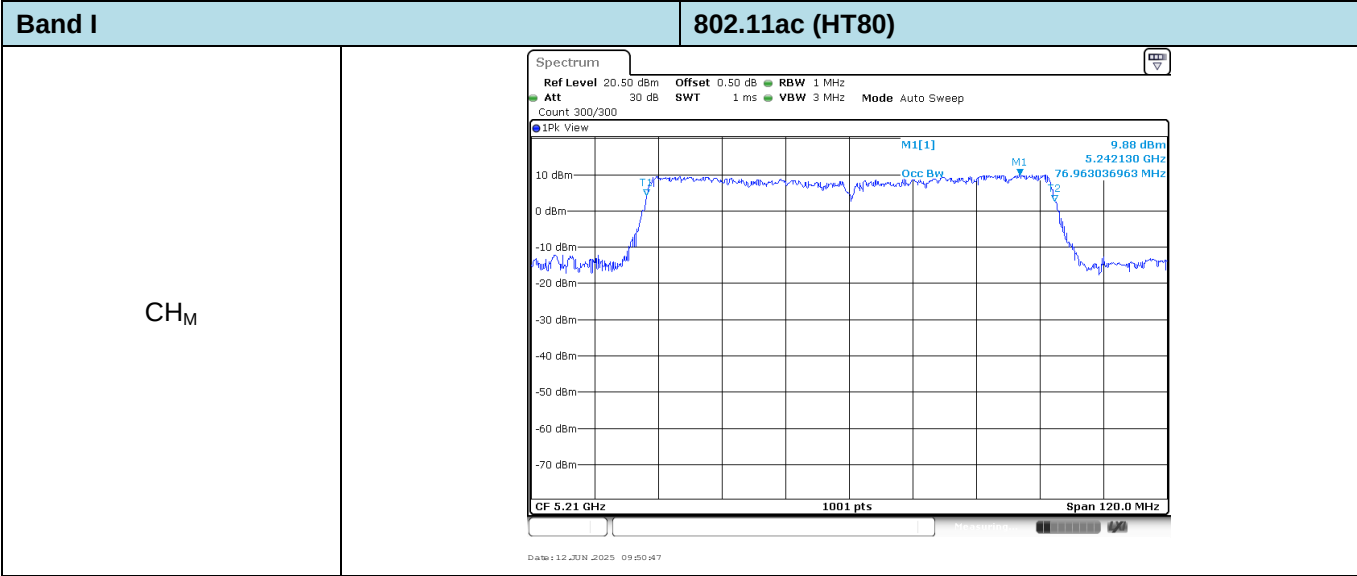
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.53	Pass
			CH _M	17.59	
			CH _H	17.65	
		802.11ax	CH _L	19.00	Pass
			CH _M	18.97	
			CH _H	18.94	
	40	802.11ac	CH _L	36.26	Pass
			CH _H	36.32	
		802.11ax	CH _L	37.70	Pass
			CH _H	37.70	
	80	802.11ac	CH _M	76.72	Pass
		802.11ax	CH _M	77.56	Pass

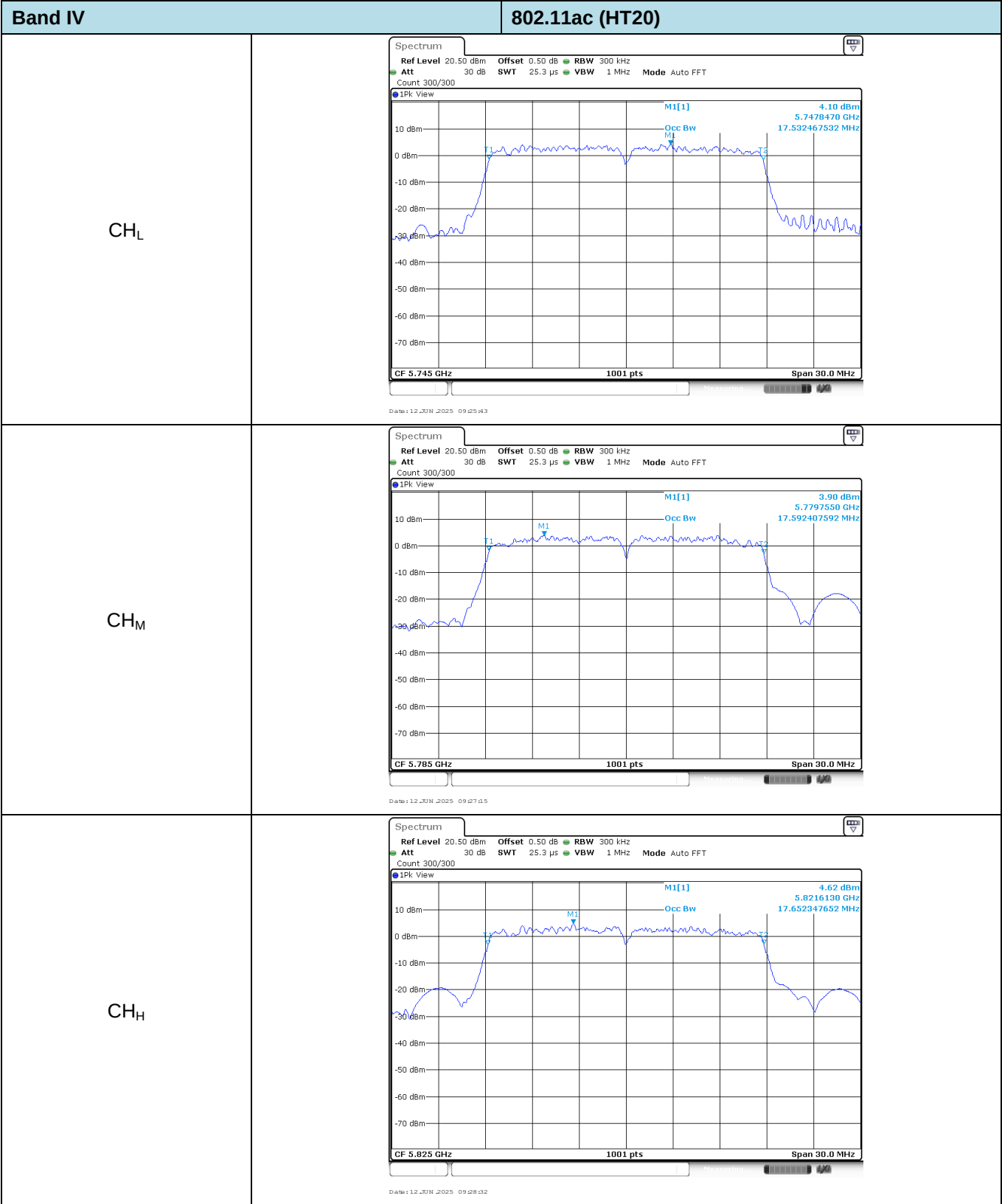
Band I		802.11ac (HT20)	
CH _L	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] Occ Bw M1 7.75 dBm 5.1853650 GHz 17.562437562 MHz CF 5.18 GHz 1001 pts Span 30.0 MHz Date: 12/30/2025 09:43:58		
CH _M	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1[1] Occ Bw 7.07 dBm 5.2229070 GHz 17.592407592 MHz CF 5.22 GHz 1001 pts Span 30.0 MHz Date: 12/30/2025 09:45:04		
CH _H	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View M1 M1[1] Occ Bw 7.37 dBm 5.2363740 GHz 17.652347652 MHz CF 5.24 GHz 1001 pts Span 30.0 MHz Date: 12/30/2025 09:46:32		

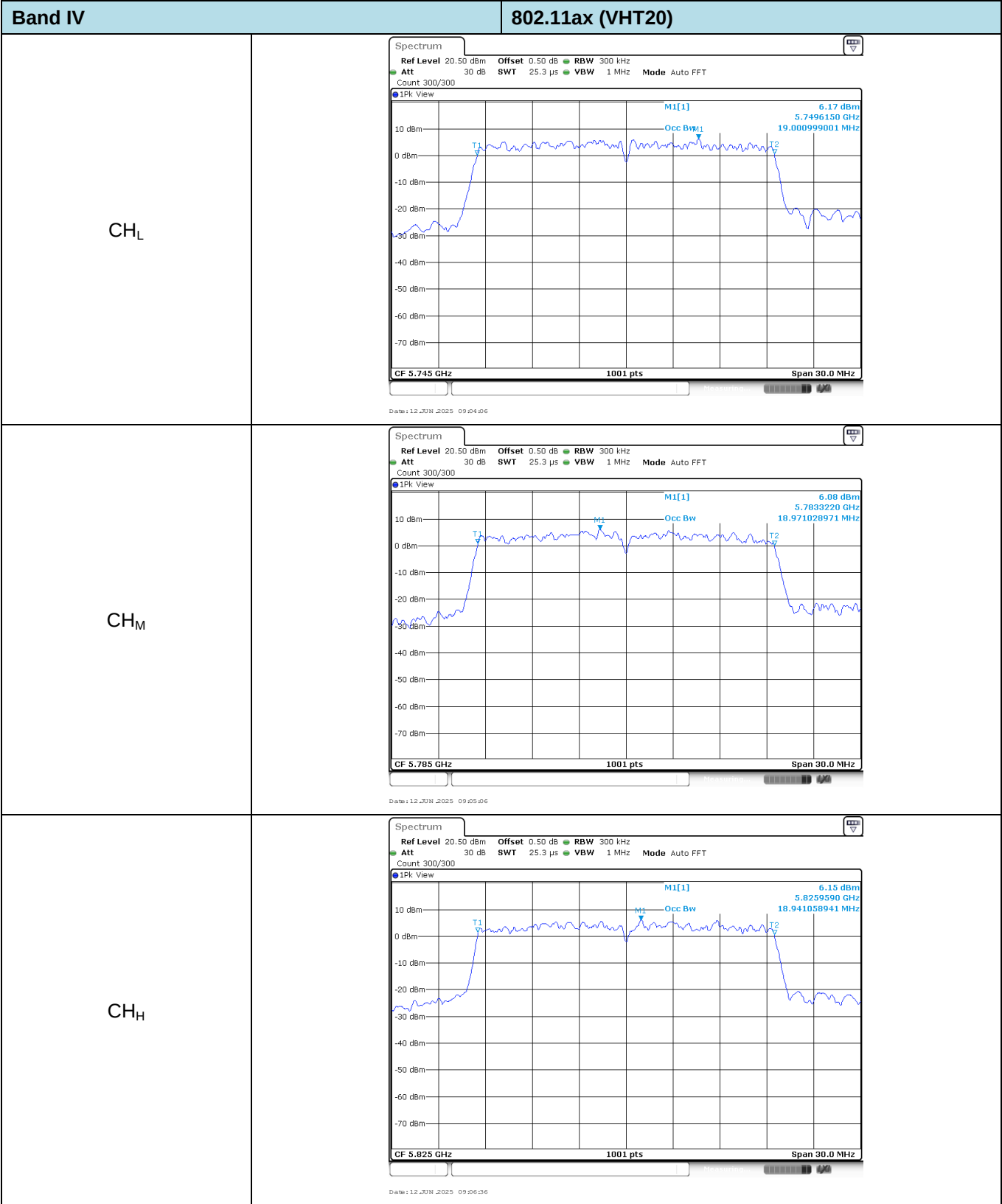
Band I		802.11ax (VHT20)	
CH _L	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm T1 M1[1] Occ Bw M1 T2 9.51 dBm 5.1858440 GHz 18.941058941 MHz CF 5.18 GHz 1001 pts Span 30.0 MHz Date: 12 JUN 2025 08:49:42		
CH _M	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm T1 M1[1] Occ Bw M1 T2 9.67 dBm 5.2246150 GHz 18.941058941 MHz CF 5.22 GHz 1001 pts Span 30.0 MHz Date: 12 JUN 2025 08:50:44		
CH _H	Spectrum Ref Level 20.50 dBm Att 30 dB Count 300/300 Offset 0.50 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm T1 M1 M1[1] Occ Bw T2 9.99 dBm 5.2383220 GHz 18.941058941 MHz CF 5.24 GHz 1001 pts Span 30.0 MHz Date: 12 JUN 2025 08:51:45		

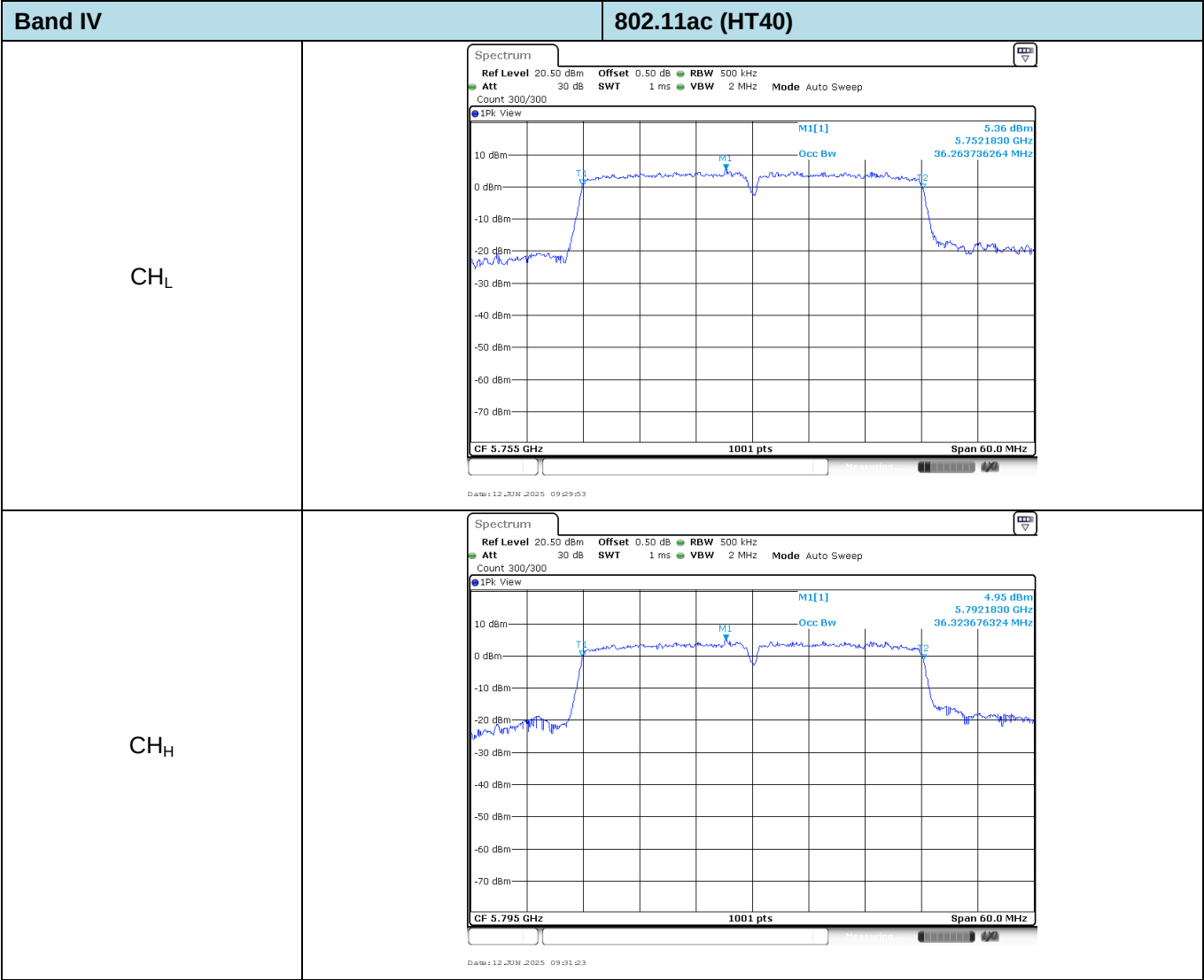


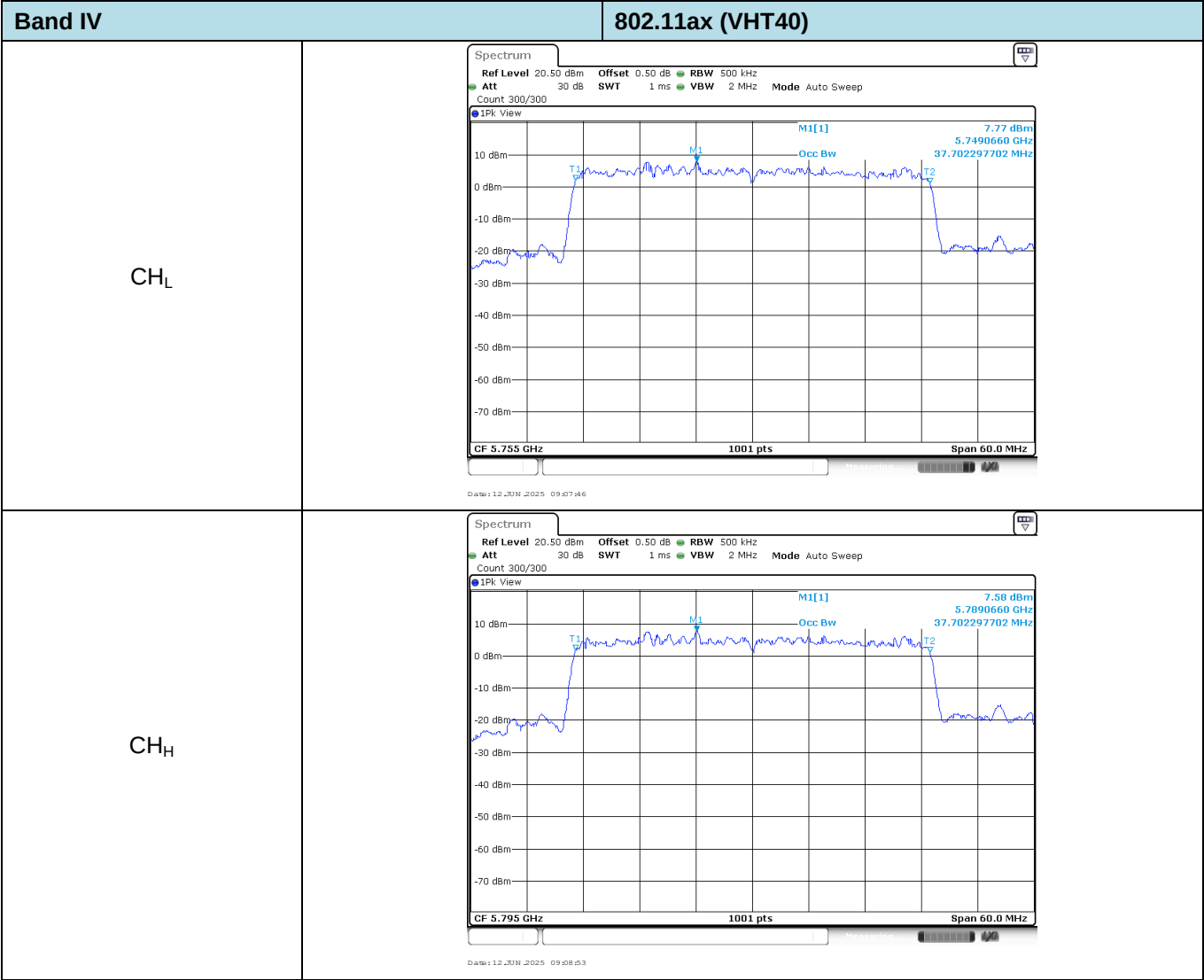


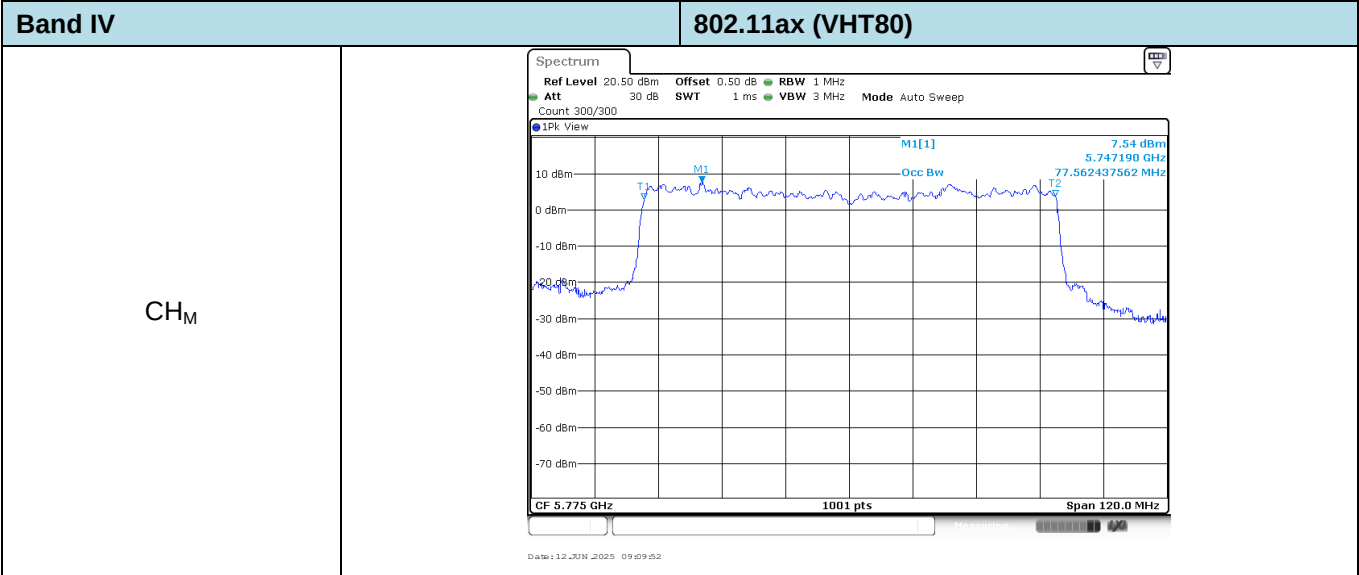
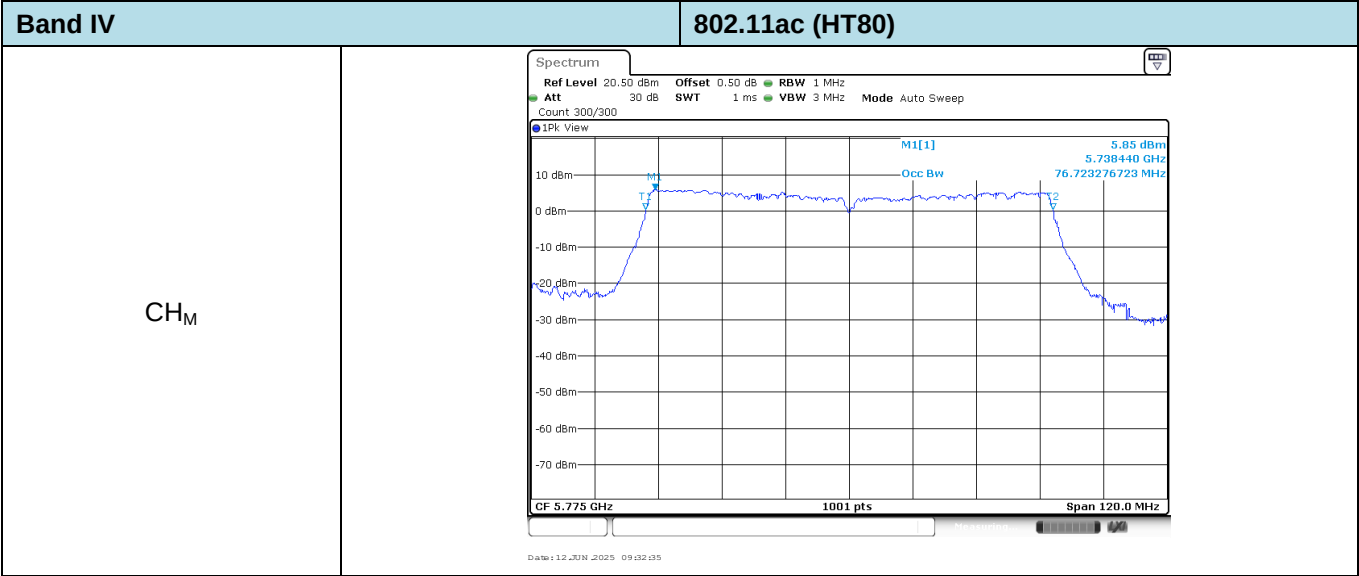












Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.61	Pass
			CH _M	17.61	
			CH _H	17.19	
		802.11ax	CH _L	18.18	Pass
			CH _M	18.48	
			CH _H	18.03	
	40	802.11ac	CH _L	35.52	Pass
			CH _H	35.58	
		802.11ax	CH _L	36.66	Pass
			CH _H	36.72	
	80	802.11ac	CH _M	76.68	Pass
		802.11ax	CH _M	77.28	Pass

Band IV

802.11ac (HT20)

CH_L

Spectrum

Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT
Count 500/500

1Pk View

10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm

CF 5.745 GHz 1001 pts Span 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.73618 GHz	-5.27 dBm		
M2		1	5.74371 GHz	0.97 dBm		
D3	M1	1	17.61 MHz	-0.02 dB		

Date: 12 JUN 2025 09:25:53

CH_M

Spectrum

Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT
Count 500/500

1Pk View

10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm

CF 5.785 GHz 1001 pts Span 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.77618 GHz	-5.77 dBm		
M2		1	5.78749 GHz	1.45 dBm		
D3	M1	1	17.61 MHz	0.59 dB		

Date: 12 JUN 2025 09:27:22

CH_H

Spectrum

Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT
Count 500/500

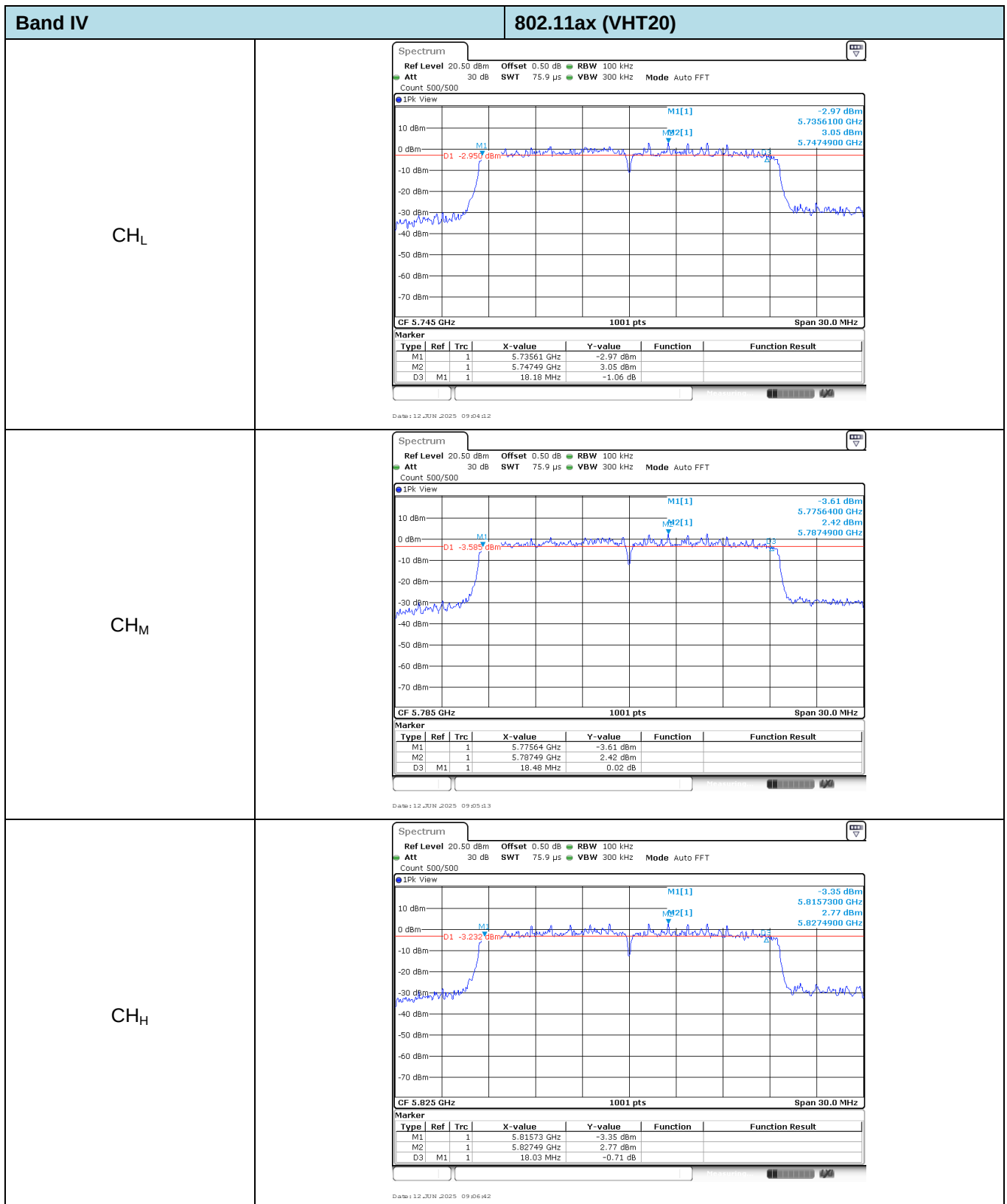
1Pk View

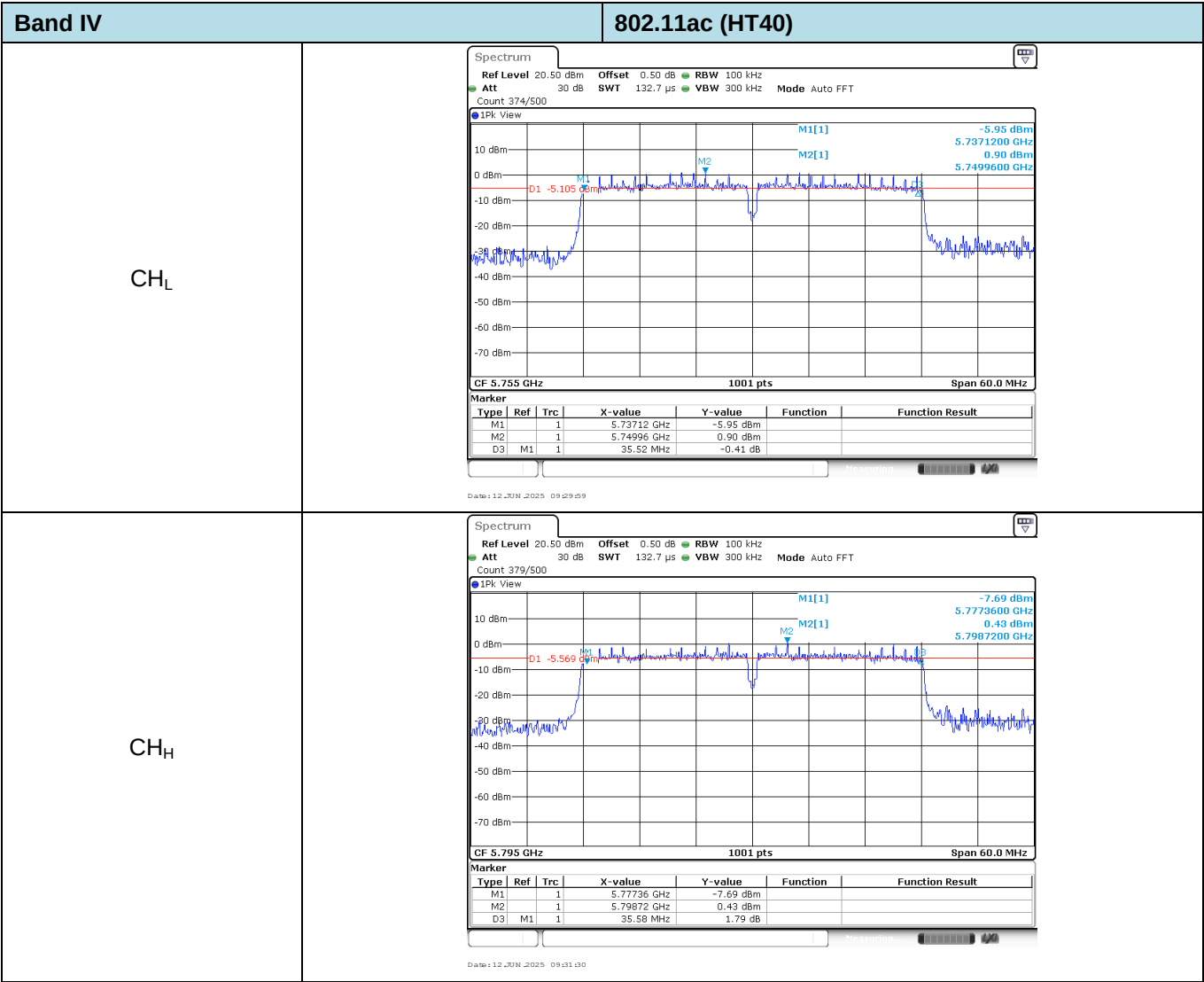
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm

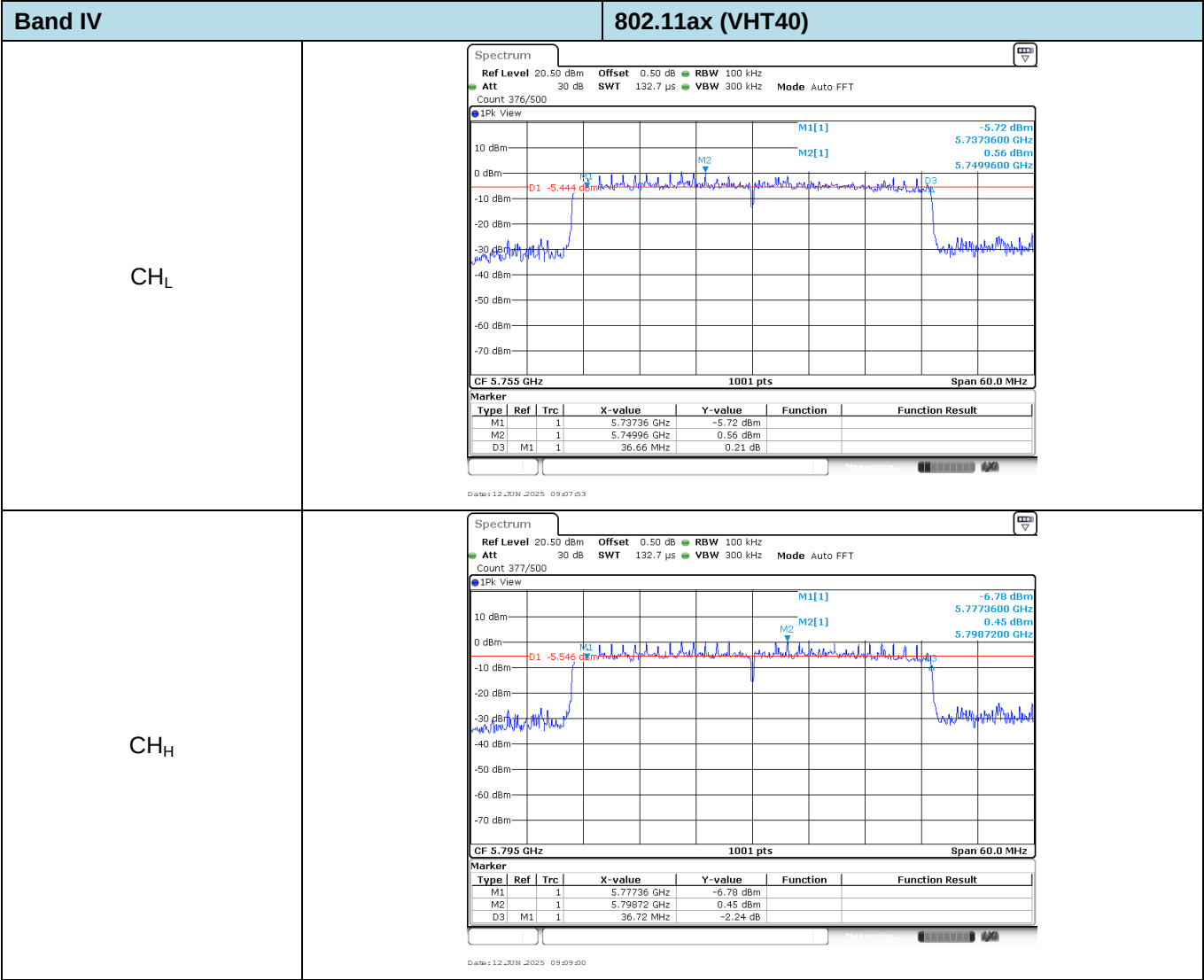
CF 5.825 GHz 1001 pts Span 30.0 MHz

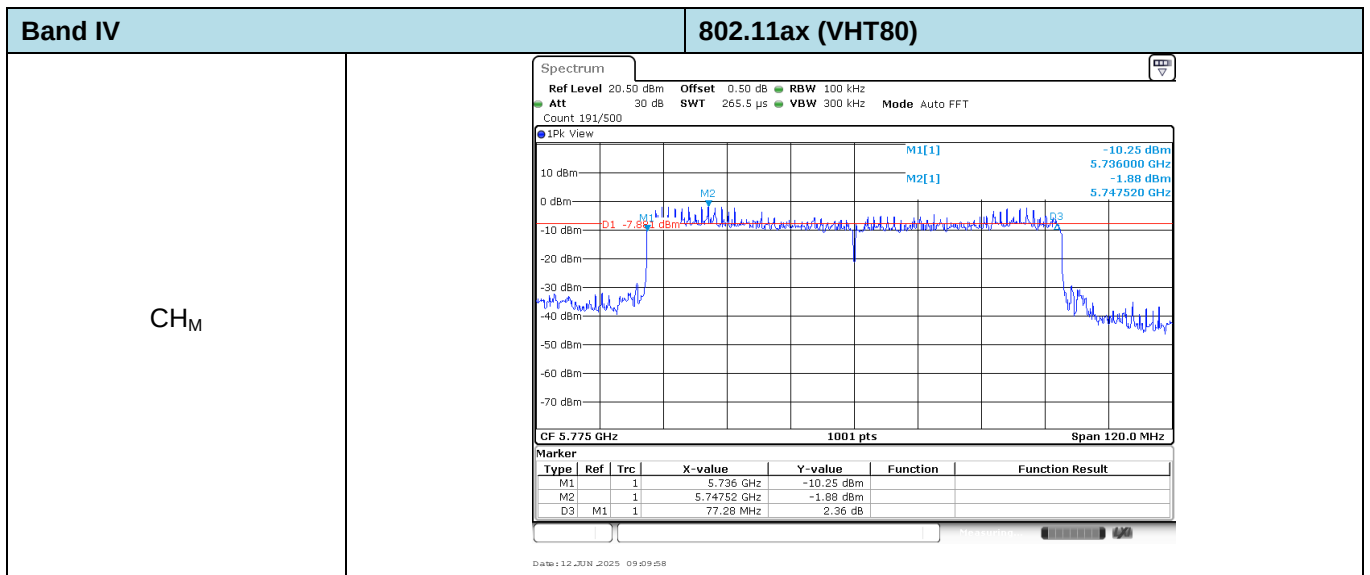
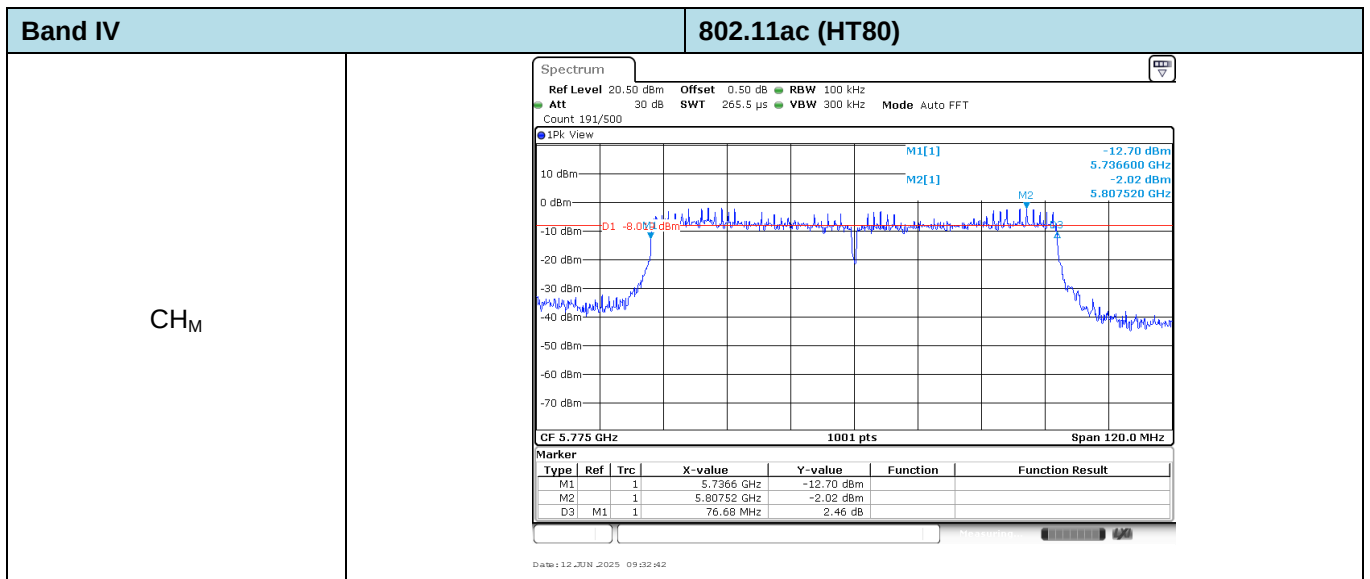
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.81621 GHz	-4.01 dBm		
M2		1	5.82749 GHz	2.09 dBm		
D3	M1	1	17.19 MHz	0.04 dB		

Date: 12 JUN 2025 09:28:39









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
		Antenna 1	Antenna 2	Antenna 1	Antenna 2	
T _N	V _L	-1000.00	-1000.00	-0.19305	-0.19305	PASS
T _N	V _N	0.00	-1000.00	0.00000	-0.19305	PASS
T _N	V _H	-1000.00	-1000.00	-0.19305	-0.19305	PASS

Band: IV				Test Frequency: 5745.00MHz		
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2	
T _N	V _L	-1000.00	-1000.00	-0.17406	-0.17406	PASS
T _N	V _N	-1000.00	-1000.00	-0.17406	-0.17406	PASS
T _N	V _H	-1000.00	-1000.00	-0.17406	-0.17406	PASS

Temperature VS Frequency stability

Band: I				Test Frequency: 5180.00MHz		
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2	
V _N	-20	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	-10	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	0	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	10	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	20	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	30	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	40	-1000.00	-1000.00	-0.19305	-0.19305	PASS
V _N	50	-1000.00	-1000.00	-0.19305	-0.19305	PASS

Band: IV				Test Frequency: 5745.00MHz		
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)		Frequency Deviation (ppm)		Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2	
V _N	-20	0.00	-1000.00	0.00000	-0.17406	PASS
V _N	-10	0.00	0.00	0.00000	0.00000	PASS
V _N	0	0.00	-1000.00	0.00000	-0.17406	PASS
V _N	10	-1000.00	0.00	-0.17406	0.00000	PASS
V _N	20	0.00	0.00	0.00000	0.00000	PASS
V _N	30	0.00	0.00	0.00000	0.00000	PASS
V _N	40	-1000.00	0.00	-0.17406	0.00000	PASS
V _N	50	0.00	-1000.00	0.00000	-0.17406	PASS

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