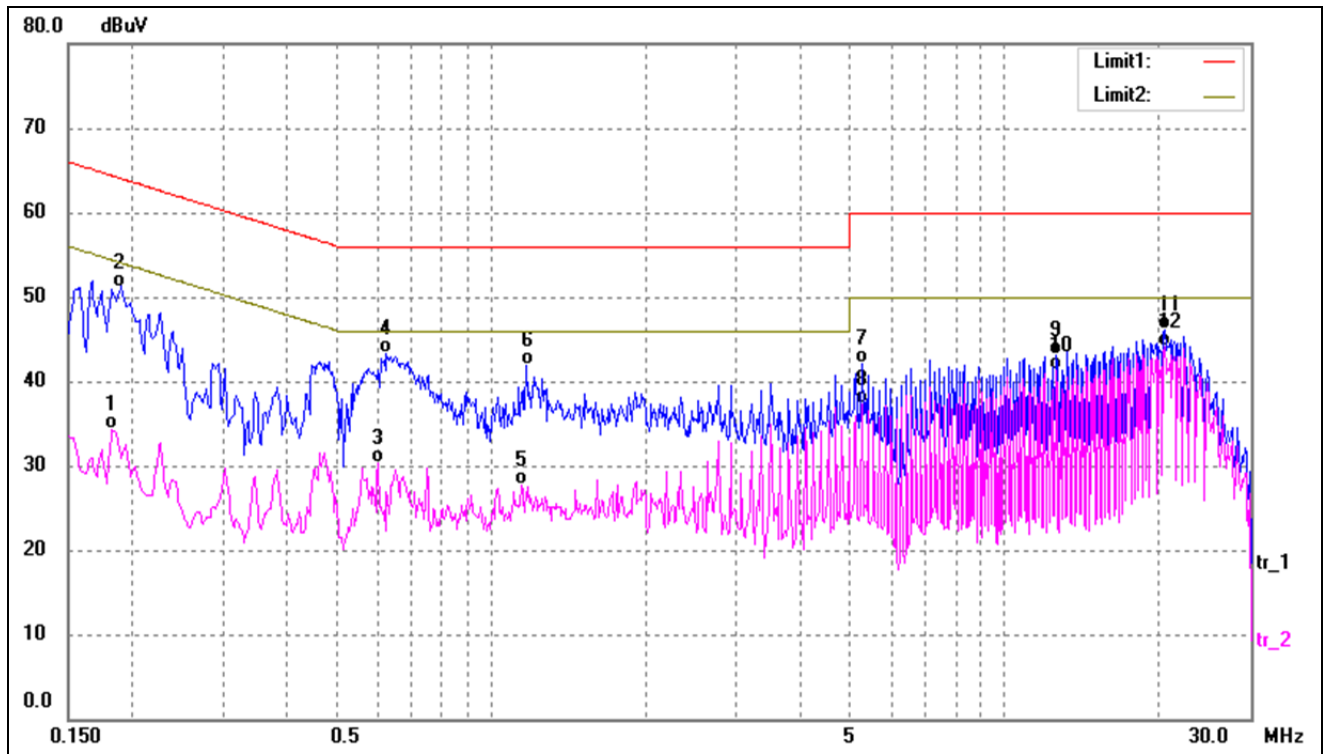


Test Mode	Communication	AC120V 60Hz	Polarity:	Line
-----------	---------------	-------------	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	24.60	9.64	34.24	54.39	-20.15	AVG
2	0.1900	41.59	9.61	51.20	64.03	-12.83	QP
3	0.6020	20.68	9.71	30.39	46.00	-15.61	AVG
4	0.6260	33.64	9.70	43.34	56.00	-12.66	QP
5	1.1460	18.09	9.66	27.75	46.00	-18.25	AVG
6	1.1700	32.24	9.66	41.90	56.00	-14.10	QP
7	5.2580	32.40	9.72	42.12	60.00	-17.88	QP
8	5.2580	27.64	9.72	37.36	50.00	-12.64	AVG
9	12.5620	33.13	9.91	43.04	60.00	-16.96	QP
10	12.5620	31.42	9.91	41.33	50.00	-8.67	AVG
11	20.4500	35.80	10.22	46.02	60.00	-13.98	QP
12*	20.4500	33.92	10.22	44.14	50.00	-5.86	AVG

APPENDIX SUMMARY

Project No.	WTH24X10240287W	Test Engineer	Timi Huang
Start date	2024/10/25	Finish date	2024/10/25
Temperature	23℃	Humidity	56%
RF specifications	U-NII		

APPENDIX	Description of Test Item	Result
A	Power Spectral Density	Compliant
B	Emission Bandwidth and Occupied Bandwidth	Compliant
C	Maximum Conducted Output Power	Compliant
D	Frequency Stability	Compliant

APPENDIX A

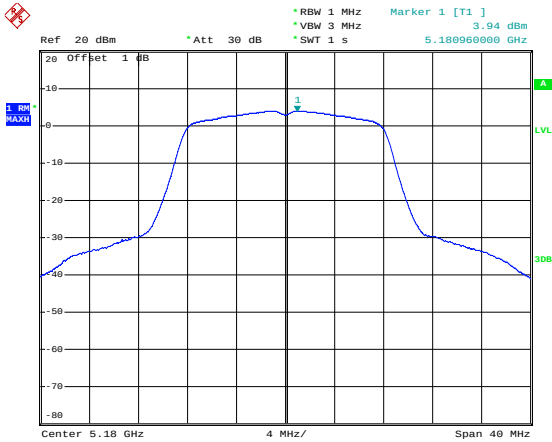
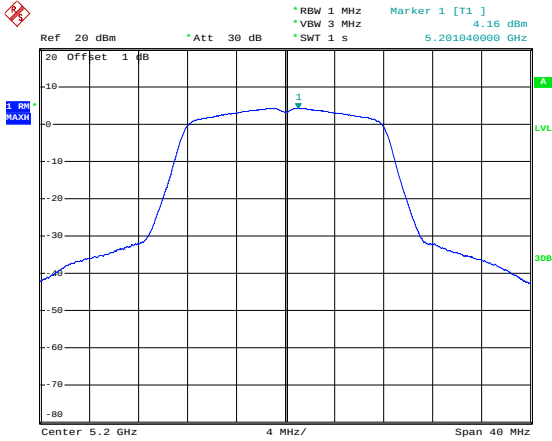
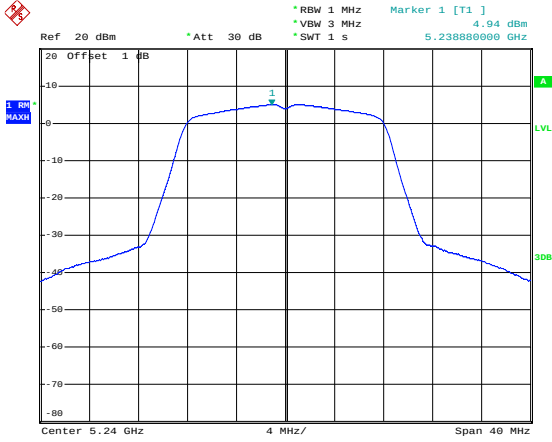
Power Spectral Density					
U-NII-1:5150-5250MHz					
Operating mode	Test Channel	ANT 1 dBm/MHz	ANT 2 dBm/MHz	Total dBm/MHz	Limit (dBm/MHz)
802.11a	5180	3.94	3.95	/	11
	5200	4.16	4.00	/	11
	5240	4.94	4.93	/	11
802.11n-HT20	5180	2.21	2.07	5.15	11
	5200	2.29	2.12	5.22	11
	5240	3.09	2.97	6.04	11
802.11n-HT40	5190	-1.64	-1.86	1.26	11
	5230	-0.97	-1.12	1.97	11
802.11ac-VHT20	5180	2.19	2.22	5.22	11
	5200	2.31	2.14	5.24	11
	5240	3.13	2.93	6.04	11
802.11ac-VHT40	5190	-1.65	-1.84	1.27	11
	5230	-0.92	-1.17	1.97	11
802.11ac-VHT80	5210	-4.72	-4.83	-1.76	11

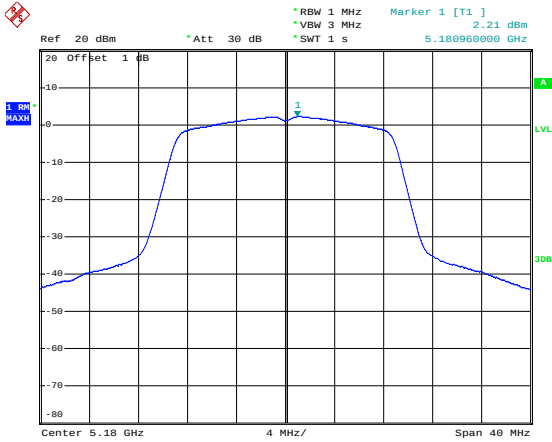
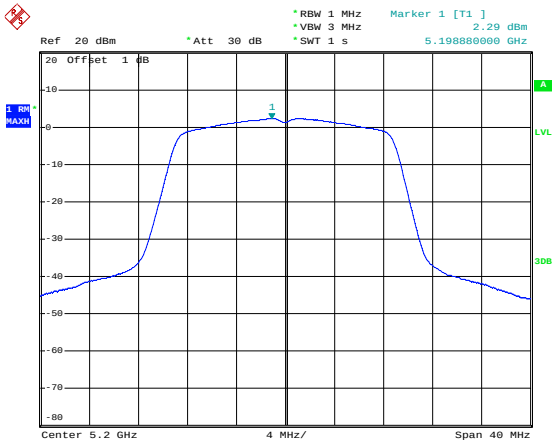
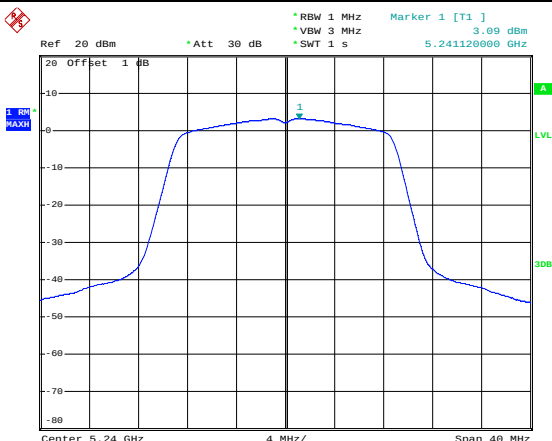
Power Spectral Density							
U-NII-3: 5725-5850MHz							
Operating mode	Test Channel	ANT 1 dBm/300kHz	ANT 2 dBm/300kHz	Factor	ANT 1 dBm/500kHz*	ANT 2 dBm/500kHz*	Limit dBm/500kHz
802.11a	5745	-1.39	-1.60	2.22	0.83	0.62	30
	5785	-1.00	-1.14	2.22	1.22	1.08	30
	5825	-0.62	-0.68	2.22	1.6	1.54	30
*Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22							

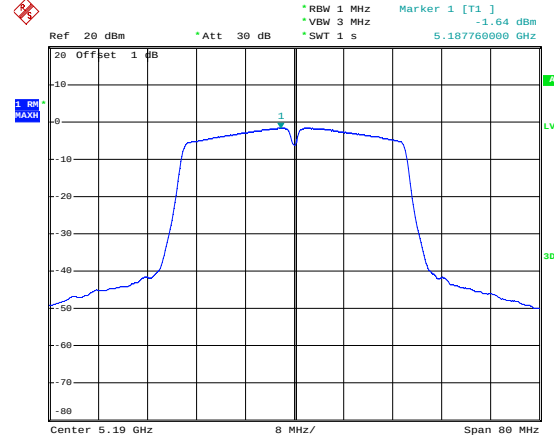
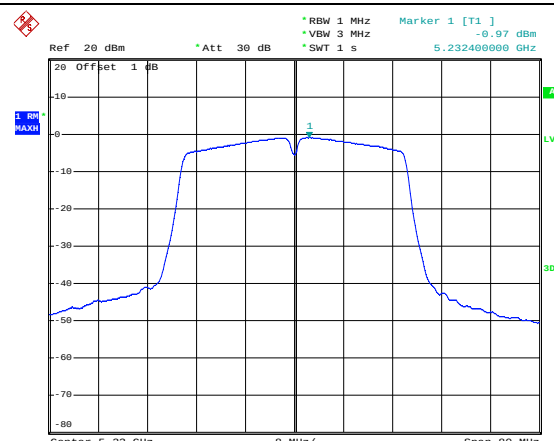
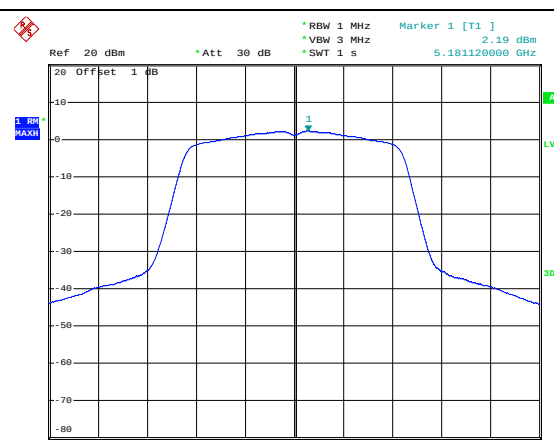
Power Spectral Density						
U-NII-3: 5725-5850MHz						
Operating mode	Test Channel	ANT 1 dBm/300kHz	ANT 2 dBm/300kHz	Factor	Total dBm/500kHz*	Limit dBm/500kHz
802.11n-HT20	5745	-2.29	-2.46	2.22	2.86	30
	5785	-1.94	-2.07	2.22	3.23	30
	5825	-1.48	-1.46	2.22	3.76	30

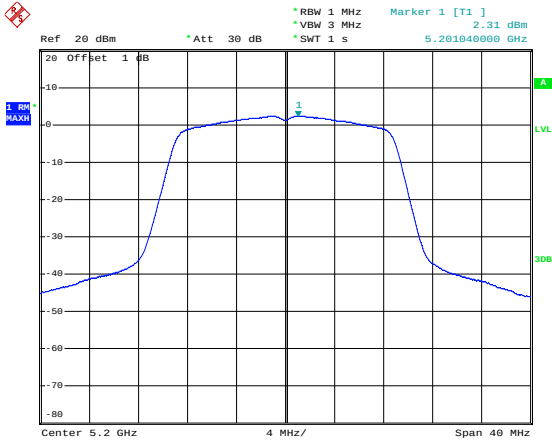
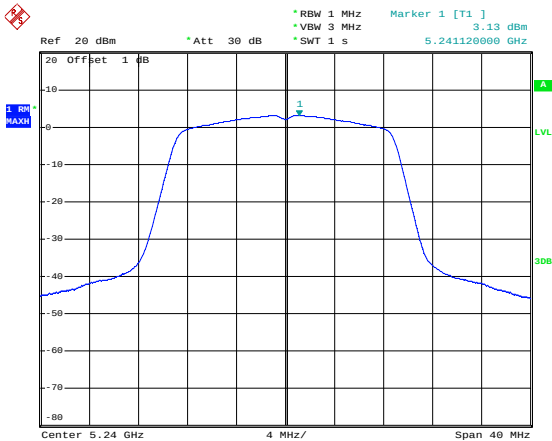
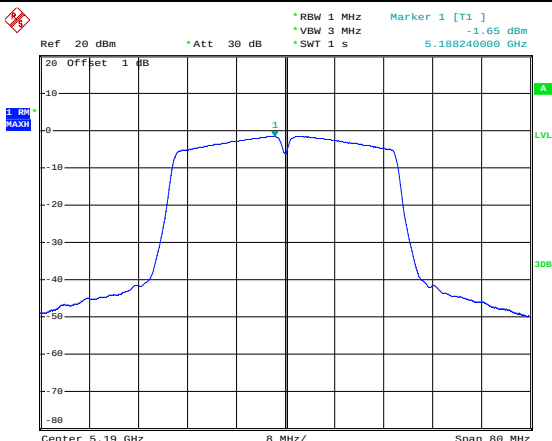
802.11n-HT40	5755	-6.29	-6.58	2.22	-1.2	30
	5795	-5.94	-5.96	2.22	-0.72	30
802.11ac-VHT20	5745	-2.21	-2.44	2.22	2.91	30
	5785	-1.87	-1.95	2.22	3.32	30
	5825	-1.43	-1.50	2.22	3.77	30
802.11ac-VHT40	5755	-6.27	-6.47	2.22	-1.14	30
	5795	-6.02	-5.95	2.22	-0.75	30
802.11ac-VHT80	5775	-10.34	-10.39	2.22	-5.13	30
*Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22						

ANT 1
5150-5250MHz

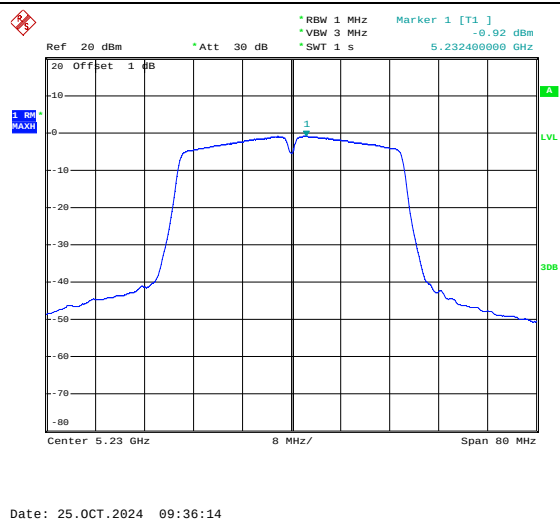
802.11a-Low	 Date: 25.OCT.2024 09:41:09
802.11a-Middle	 Date: 25.OCT.2024 09:40:42
802.11a-High	 Date: 25.OCT.2024 09:40:10

802.11n-HT20-Low	 Date: 25.OCT.2024 09:38:59
802.11n-HT20-Middle	 Date: 25.OCT.2024 09:39:22
802.11n-HT20-High	 Date: 25.OCT.2024 09:39:47

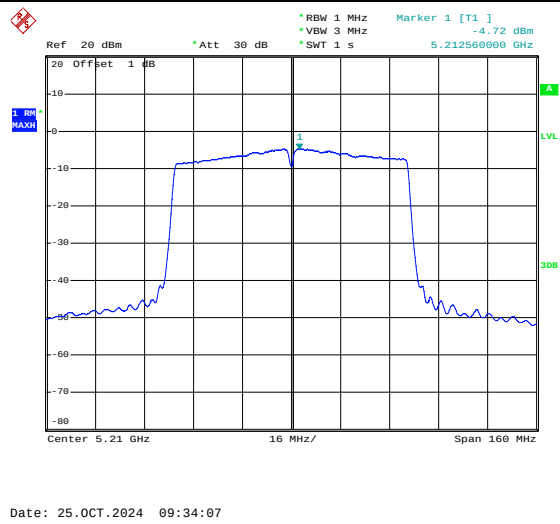
802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] -1.64 dBm 5.187760000 GHz 20 Offset 1 dB 1. RBW MAX Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 09:36:59
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] -0.97 dBm 5.232400000 GHz 20 Offset 1 dB 1. RBW MAX Center 5.23 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 09:37:21
802.11ac-VHT20-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] 2.19 dBm 5.181200000 GHz 20 Offset 1 dB 1. RBW MAX Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 09:38:41

802.11ac-VHT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] 2.31 dBm 5.201840000 GHz Center 5.2 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 09:38:20
802.11ac-VHT20-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] 3.13 dBm 5.241120000 GHz Center 5.24 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 09:37:56
802.11ac-VHT40-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] -1.65 dBm 5.188240000 GHz Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 09:36:41

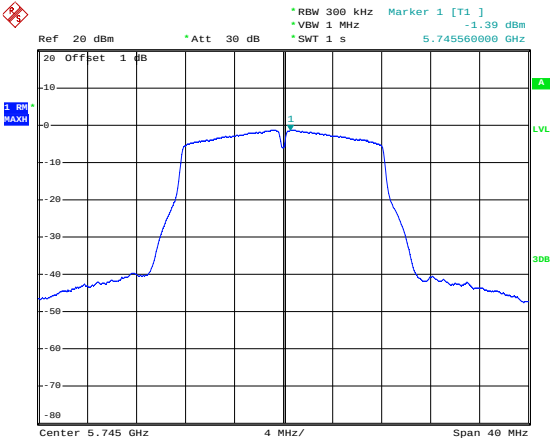
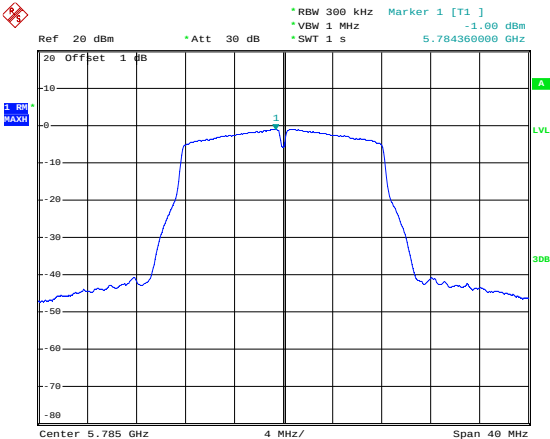
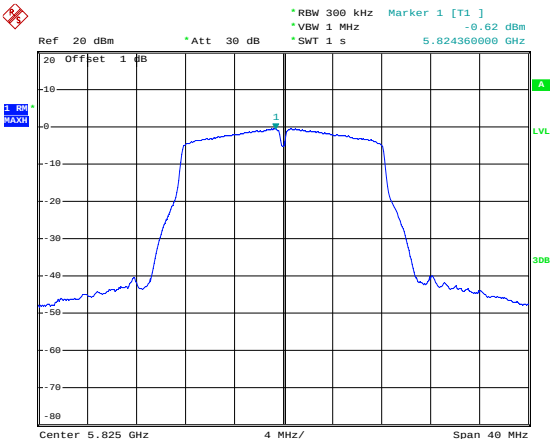
802.11ac-VHT40-High



802.11ac-VHT80



5725-5850MHz

802.11a-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.39 dBm *VBW 1 MHz *SWT 1 s 5.74550000 GHz 20 Offset 1 dB 1 dB MAX Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 11:24:40
802.11a-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.00 dBm *VBW 1 MHz *SWT 1 s 5.78436000 GHz 20 Offset 1 dB 1 dB MAX Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 11:24:11
802.11a-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -0.62 dBm *VBW 1 MHz *SWT 1 s 5.82436000 GHz 20 Offset 1 dB 1 dB MAX Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 11:22:42

Channel	Frequency (GHz)	Power (dBm)	Att (dB)	Ref (dBm)	Offset (dB)	Span (MHz)	Center (MHz)	Marker 1 [T1]
802.11n-HT20-Low	5.745	-2.29	30	20	1	40	5.745	5.744360000
802.11n-HT20-Middle	5.785	-1.94	30	20	1	40	5.785	5.784360000
802.11n-HT20-High	5.825	-1.48	30	20	1	40	5.825	5.825560000

802.11n-HT40-Low	Date: 25.OCT.2024 11:18:42
802.11n-HT40-High	Date: 25.OCT.2024 11:19:07
802.11ac-VHT20-Low	Date: 25.OCT.2024 11:21:36

Channel	Frequency (GHz)	Power (dBm)	Bandwidth (MHz)	Span (MHz)	Resolution (MHz)	Attenuation (dB)	Offset (dB)	Marker 1 [T1]
802.11ac-VHT20-Middle	5.785	-1.87	1	40	4	30	1	5.784360000
802.11ac-VHT20-High	5.825	-1.43	1	40	4	30	1	5.824360000
802.11ac-VHT40-Low	5.755	-6.27	1	80	8	30	1	5.752440000

The figure displays three spectral plots for 802.11ac VHT channels. Each plot shows the power spectrum (blue line) and the noise floor (green line) across a 40 MHz span. The plots are for VHT20-Middle, VHT20-High, and VHT40-Low channels. The x-axis represents frequency in GHz, and the y-axis represents power in dBm. The plots show a clear signal peak at the center frequency of each channel.

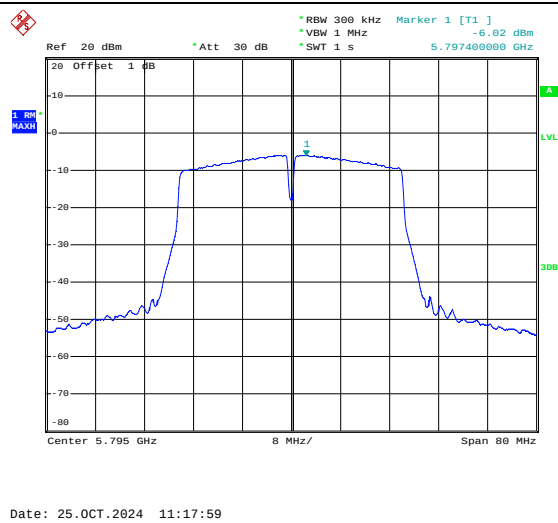
Channel	Frequency (GHz)	Power (dBm)	Bandwidth (MHz)	Span (MHz)	Resolution (MHz)	Attenuation (dB)	Offset (dB)	Marker 1 [T1]
802.11ac-VHT20-Middle	5.785	-1.87	1	40	4	30	1	5.784360000
802.11ac-VHT20-High	5.825	-1.43	1	40	4	30	1	5.824360000
802.11ac-VHT40-Low	5.755	-6.27	1	80	8	30	1	5.752440000

Date: 25.OCT.2024 11:21:13

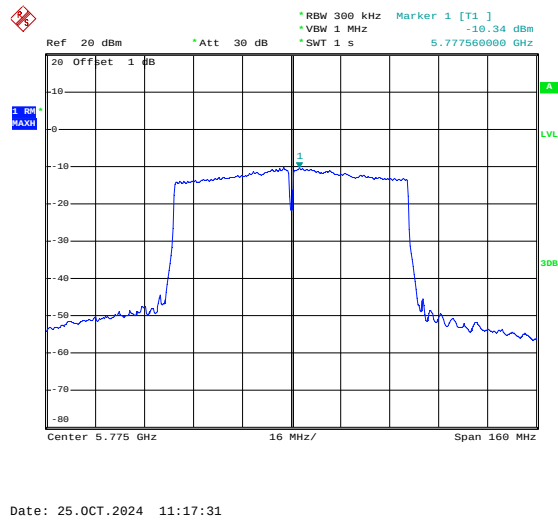
Date: 25.OCT.2024 11:20:50

Date: 25.OCT.2024 11:18:20

802.11ac-VHT40-High

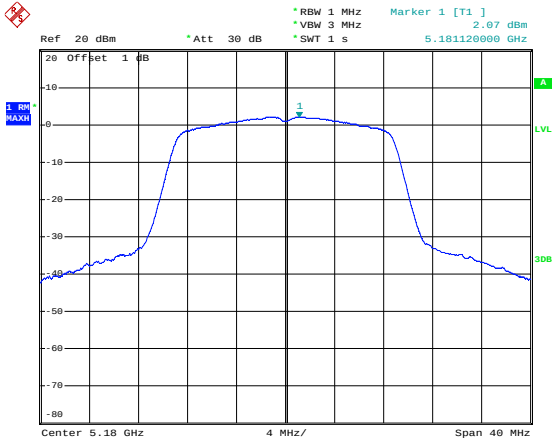
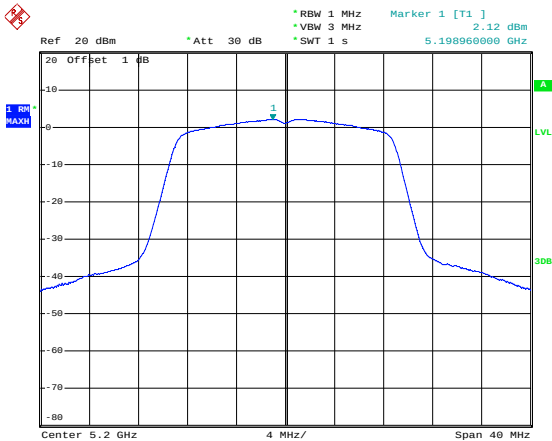
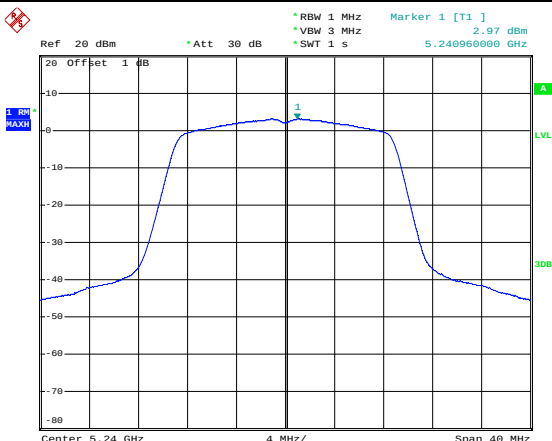


802.11ac-VHT80



ANT 2
5150-5250MHz

802.11a-Low	Date: 25.OCT.2024 16:35:31
802.11a-Middle	Date: 25.OCT.2024 16:35:06
802.11a-High	Date: 25.OCT.2024 16:34:40

802.11n-HT20-Low	 Date: 25.OCT.2024 16:32:32
802.11n-HT20-Middle	 Date: 25.OCT.2024 16:32:50
802.11n-HT20-High	 Date: 25.OCT.2024 16:33:08

Channel	Frequency (GHz)	Bandwidth (MHz)	Power (dBm)	Attenuation (dB)	Span (MHz)	Resolution (MHz)	Marker (GHz)	Marker (dBm)
802.11n-HT40-Low	5.19	40	-1.86	30	80	1	5.199999999	-1.86
802.11n-HT40-High	5.23	40	-1.12	30	80	1	5.227760000	-1.12
802.11ac-VHT20-Low	5.18	20	2.22	30	40	1	5.181040000	2.22

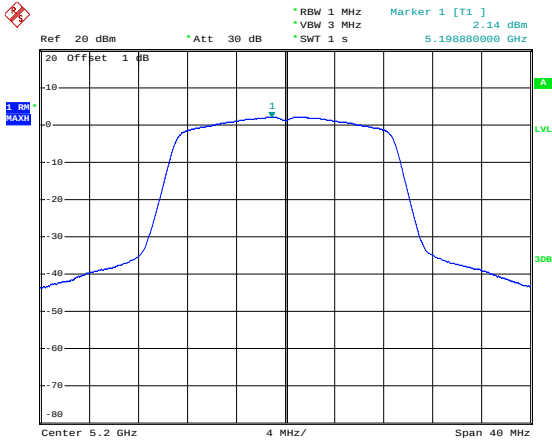
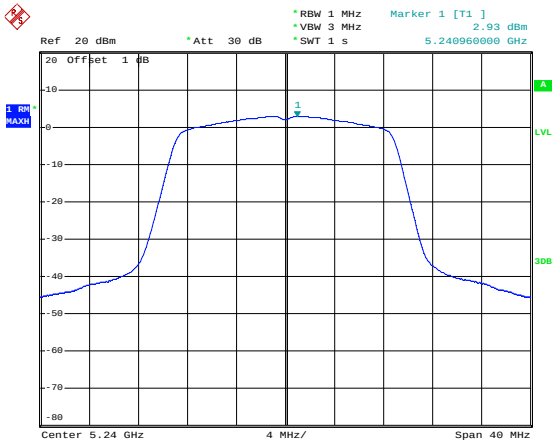
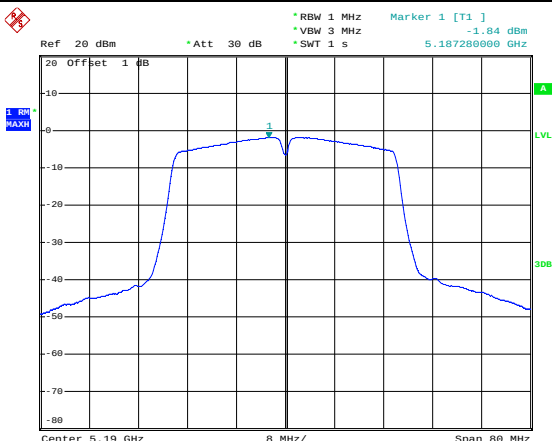
The figure displays three spectral plots, each showing a blue line representing the power spectrum. The y-axis is labeled '1. RBW' and 'A' (Attenuation). The x-axis is labeled 'Center', 'Span', and 'Resolution'. The plots are arranged in a 3x1 grid. The top plot is for 802.11n-HT40-Low, the middle for 802.11n-HT40-High, and the bottom for 802.11ac-VHT20-Low. Each plot has a peak at the center frequency, with the peak level indicated by a green marker. The peak level for 802.11n-HT40-Low is -1.86 dBm, for 802.11n-HT40-High is -1.12 dBm, and for 802.11ac-VHT20-Low is 2.22 dBm. The plots also show the channel bandwidth, attenuation, and span.

Channel	Frequency (GHz)	Bandwidth (MHz)	Power (dBm)	Attenuation (dB)	Span (MHz)	Resolution (MHz)	Marker (GHz)	Marker (dBm)
802.11n-HT40-Low	5.19	40	-1.86	30	80	1	5.199999999	-1.86
802.11n-HT40-High	5.23	40	-1.12	30	80	1	5.227760000	-1.12
802.11ac-VHT20-Low	5.18	20	2.22	30	40	1	5.181040000	2.22

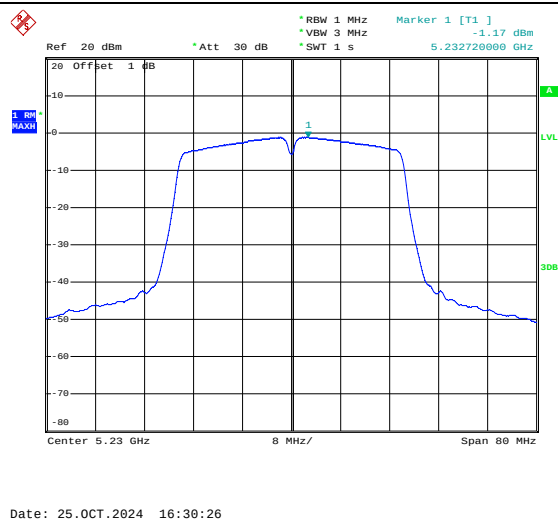
Date: 25.OCT.2024 16:31:00

Date: 25.OCT.2024 16:31:18

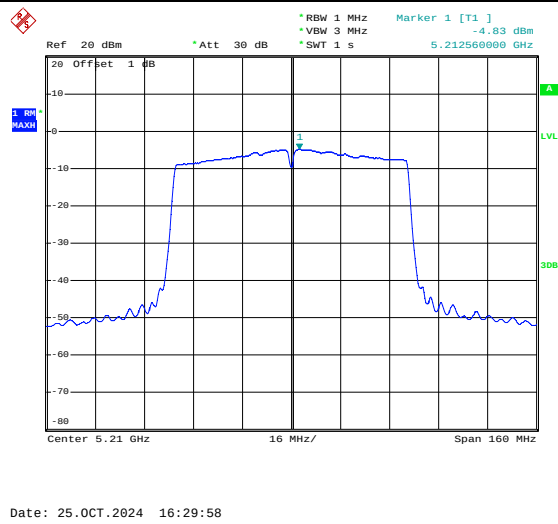
Date: 25.OCT.2024 16:32:17

802.11ac-VHT20-Middle	 Date: 25.OCT.2024 16:32:00
802.11ac-VHT20-High	 Date: 25.OCT.2024 16:31:41
802.11ac-VHT40-Low	 Date: 25.OCT.2024 16:30:45

802.11ac-VHT40-High

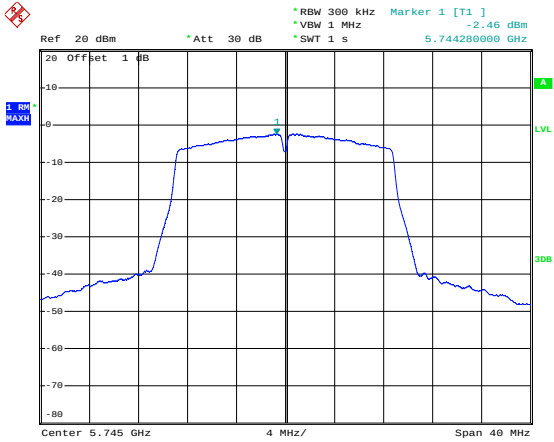
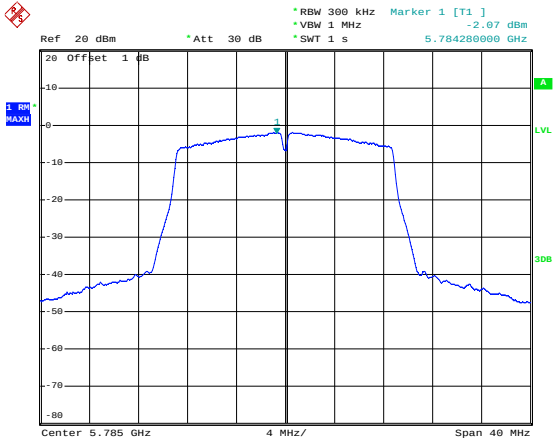
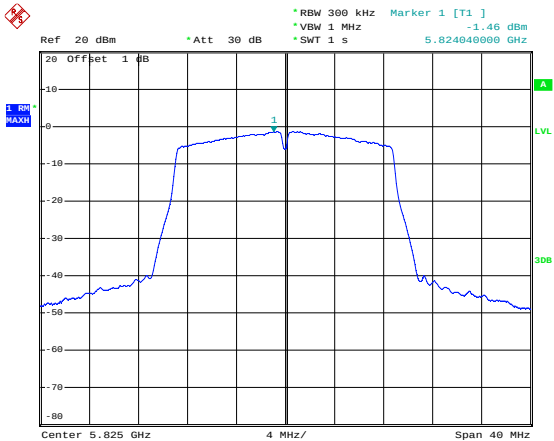


802.11ac-VHT80

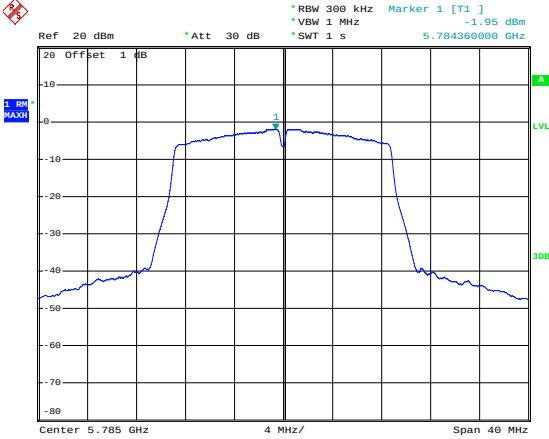
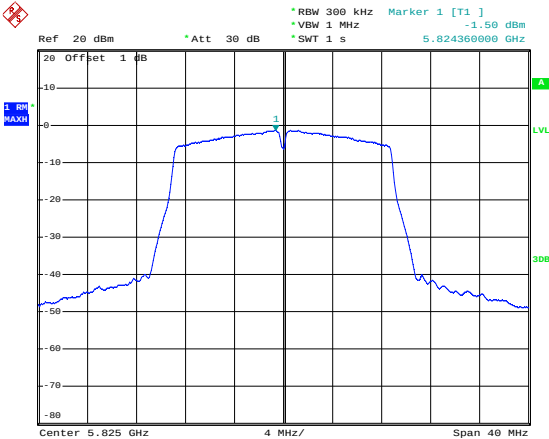
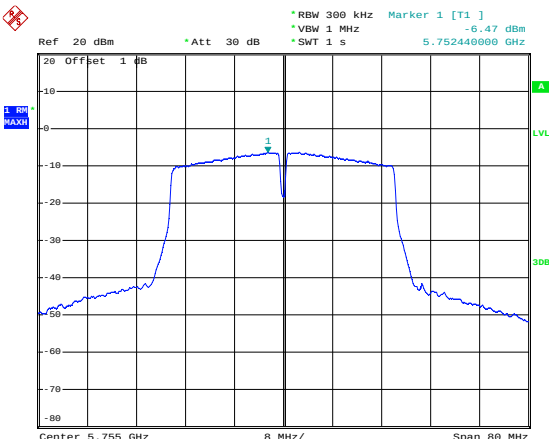


5725-5850MHz

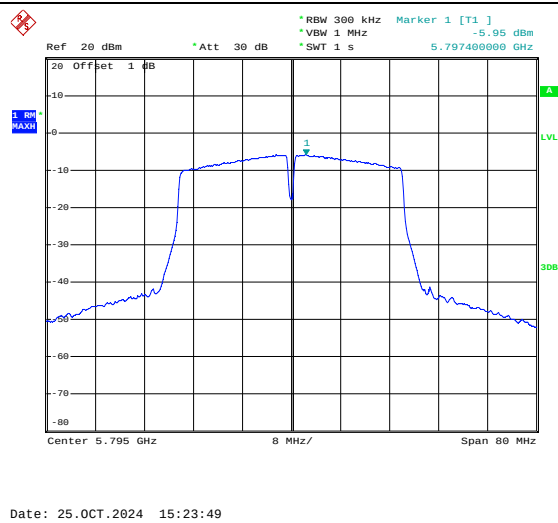
802.11a-Low	Date: 25.OCT.2024 15:27:52
802.11a-Middle	Date: 25.OCT.2024 15:27:27
802.11a-High	Date: 25.OCT.2024 15:27:01

802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -2.46 dBm *VBW 1 MHz *SWT 1 s 5.744280000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:26:07
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -2.07 dBm *VBW 1 MHz *SWT 1 s 5.784280000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:26:28
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.46 dBm *VBW 1 MHz *SWT 1 s 5.824040000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:26:46

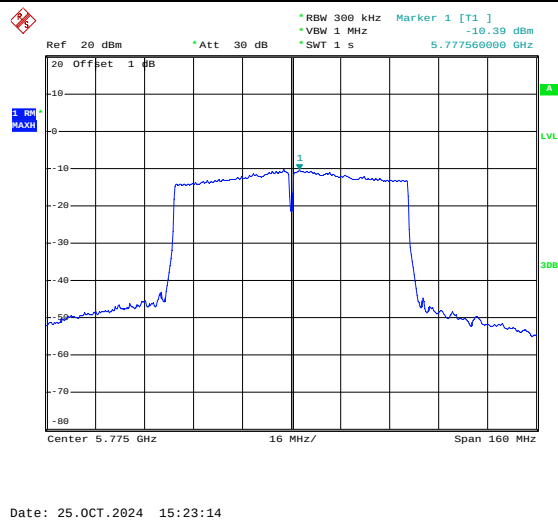
802.11n-HT40-Low	Date: 25.OCT.2024 15:24:28
802.11n-HT40-High	Date: 25.OCT.2024 15:24:48
802.11ac-VHT20-Low	Date: 25.OCT.2024 15:25:52

802.11ac-VHT20-Middle	 Date: 25.OCT.2024 15:25:31
802.11ac-VHT20-High	 Date: 25.OCT.2024 15:25:10
802.11ac-VHT40-Low	 Date: 25.OCT.2024 15:24:12

802.11ac-VHT40-High



802.11ac-VHT80



APPENDIX B

Emission Bandwidth and Occupied Bandwidth

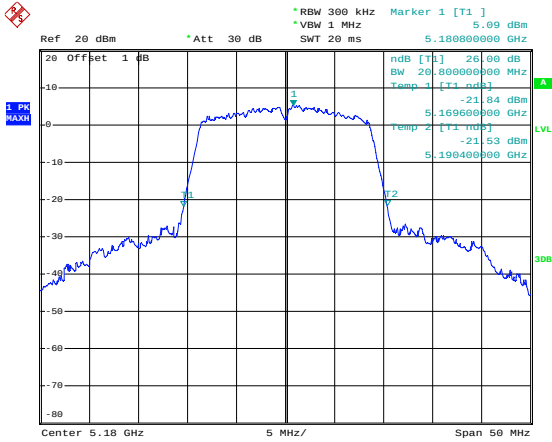
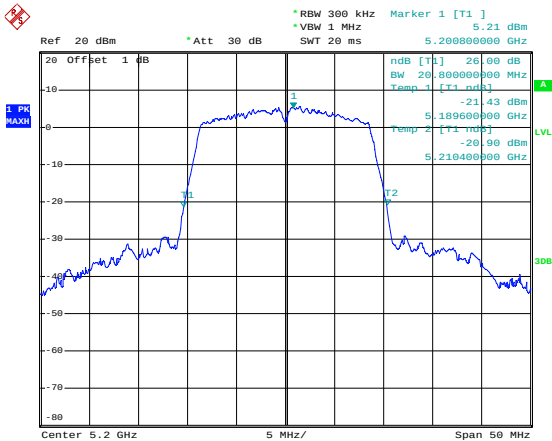
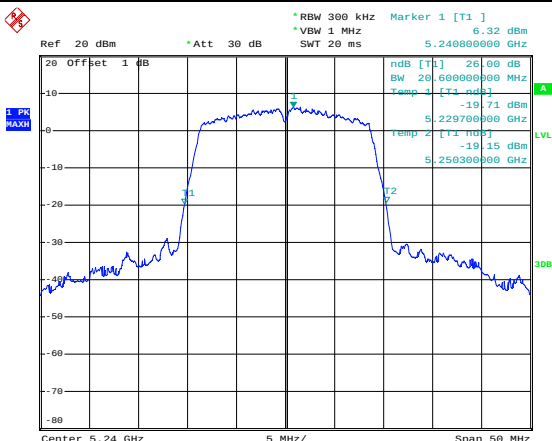
U-NII-1:5150-5250MHz						
Test Mode	Test Channel MHz	ANT 1		ANT 2		Result
		26 dB Bandwidth MHz	99% Bandwidth MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	
802.11a	5180	20.60	16.96	20.90	17.04	Pass
	5200	20.60	16.88	20.70	16.96	Pass
	5240	20.40	16.88	20.40	16.88	Pass
802.11n-HT20	5180	20.80	17.84	20.80	17.92	Pass
	5200	20.80	17.76	20.60	17.76	Pass
	5240	20.60	17.76	20.60	17.76	Pass
802.11n-HT40	5190	40.40	36.64	40.40	36.48	Pass
	5230	40.40	36.48	40.20	36.48	Pass
802.11ac-VHT20	5180	20.70	17.76	20.90	17.92	Pass
	5200	20.80	17.76	20.60	17.76	Pass
	5240	20.60	17.76	20.70	17.76	Pass
802.11ac-VHT40	5190	40.60	36.48	40.80	36.48	Pass
	5230	40.80	36.48	40.40	36.48	Pass
802.11ac-VHT80	5210	82.44	75.84	82.44	75.84	Pass

U-NII-3: 5725-5850MHz						
Test Mode	Test Channel MHz	ANT 1		ANT 2		Limit kHz
		6 dB Bandwidth MHz	99% Bandwidth MHz	6 dB Bandwidth MHz	99% Bandwidth MHz	
802.11a	5745	15.36	16.88	15.36	16.88	≥500
	5785	15.28	16.88	15.36	16.88	≥500
	5825	15.60	16.88	15.28	16.88	≥500
802.11n-HT20	5745	15.36	17.84	15.36	17.84	≥500
	5785	15.36	17.76	15.36	17.76	≥500
	5825	15.28	17.76	15.28	17.76	≥500

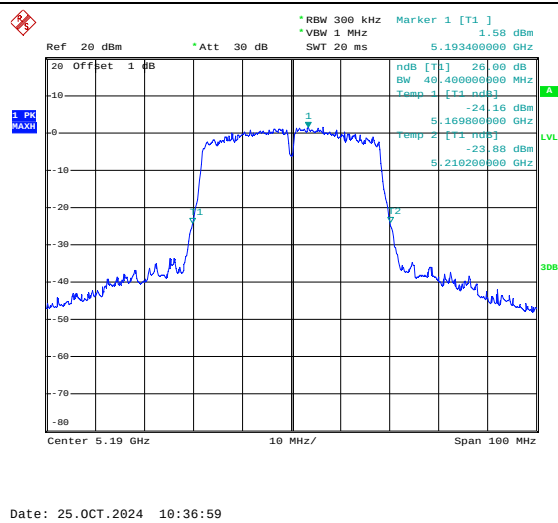
802.11n-HT40	5755	35.52	36.48	35.52	36.48	≥500
	5795	35.52	36.48	35.52	36.48	≥500
802.11ac-VHT20	5745	15.36	17.84	15.36	17.84	≥500
	5785	15.28	17.76	15.28	17.84	≥500
	5825	15.28	17.76	15.28	17.76	≥500
802.11ac-VHT40	5755	35.52	36.48	35.52	36.48	≥500
	5795	35.52	36.48	35.52	36.48	≥500
802.11ac-VHT80	5775	76.16	75.84	76.16	75.84	≥500

ANT 1
26 dB Bandwidth
5150-5250MHz

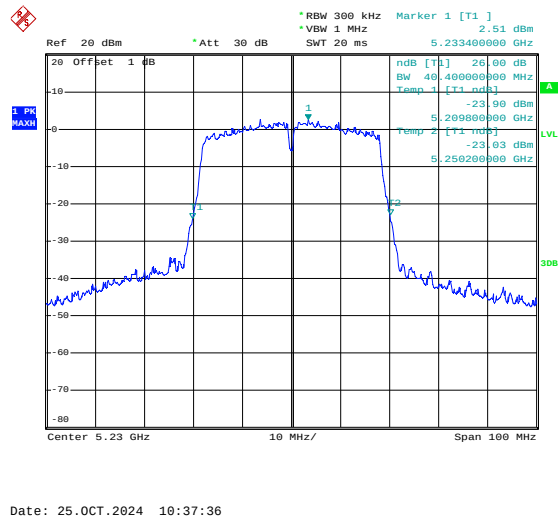
802.11a-Low	Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 7.17 dBm VBW 1 MHz SWT 20 ms 5.179200000 GHz ndB [T1] 26.00 dB BW 20.600000000 MHz Temp 1 [T1 ndB] -18.39 dBm 5.169700000 GHz Temp 2 [T1 ndB] -19.54 dBm 5.190300000 GHz Center 5.18 GHz 5 MHz/ Span 50 MHz Date: 25.OCT.2024 10:42:16
802.11a-Middle	Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 7.16 dBm VBW 1 MHz SWT 20 ms 5.198400000 GHz ndB [T1] 26.00 dB BW 20.600000000 MHz Temp 1 [T1 ndB] -18.81 dBm 5.189700000 GHz Temp 2 [T1 ndB] -19.94 dBm 5.210300000 GHz Center 5.2 GHz 5 MHz/ Span 50 MHz Date: 25.OCT.2024 10:41:35
802.11a-High	Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 8.43 dBm VBW 1 MHz SWT 20 ms 5.239200000 GHz ndB [T1] 26.00 dB BW 20.400000000 MHz Temp 1 [T1 ndB] -17.83 dBm 5.229800000 GHz Temp 2 [T1 ndB] -16.82 dBm 5.250200000 GHz Center 5.24 GHz 5 MHz/ Span 50 MHz Date: 25.OCT.2024 10:40:57

802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz *VBW 1 MHz Marker 1 [T1] 5.180800000 GHz 20 Offset 1 dB ndB [T1] 26.00 dB BW 20.00000000 MHz Temp 1 [T1 ndB] -21.84 dBm 5.180800000 GHz Temp 2 [T1 ndB] -21.53 dBm 5.190400000 GHz Center 5.18 GHz 5 MHz/ Span 50 MHz Date: 25.OCT.2024 10:39:45
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz *VBW 1 MHz Marker 1 [T1] 5.21 dBm 20 Offset 1 dB ndB [T1] 26.00 dB BW 20.00000000 MHz Temp 1 [T1 ndB] -21.43 dBm 5.180800000 GHz Temp 2 [T1 ndB] -20.90 dBm 5.210400000 GHz Center 5.2 GHz 5 MHz/ Span 50 MHz Date: 25.OCT.2024 10:40:05
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz *VBW 1 MHz Marker 1 [T1] 6.32 dBm 20 Offset 1 dB ndB [T1] 26.00 dB BW 20.00000000 MHz Temp 1 [T1 ndB] -19.71 dBm 5.229700000 GHz Temp 2 [T1 ndB] -19.15 dBm 5.250300000 GHz Center 5.24 GHz 5 MHz/ Span 50 MHz Date: 25.OCT.2024 10:40:30

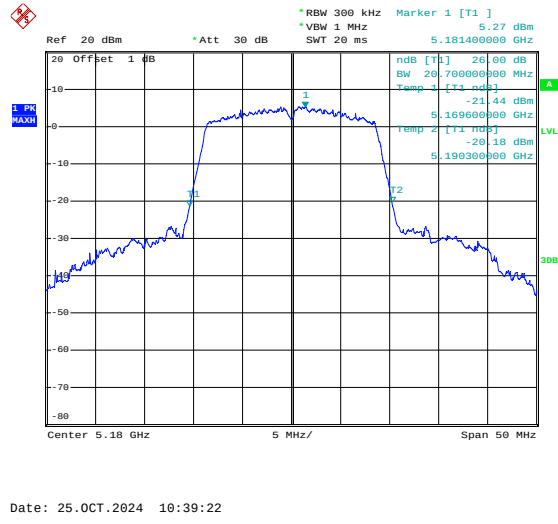
802.11n-HT40-Low

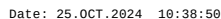


802.11n-HT40-High

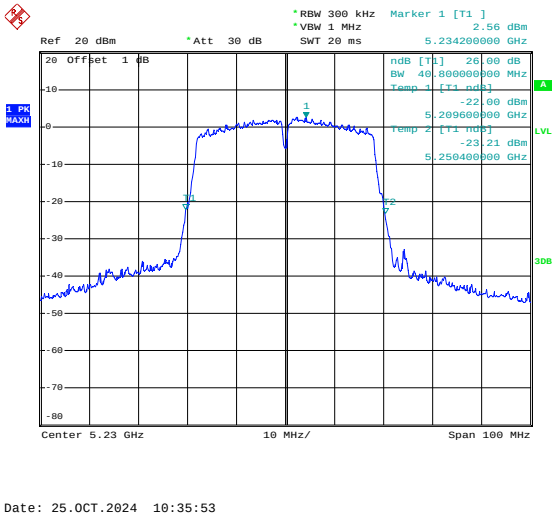


802.11ac-VHT20-Low

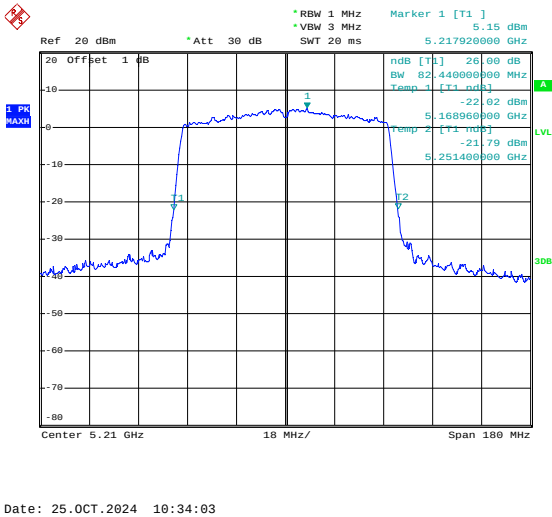


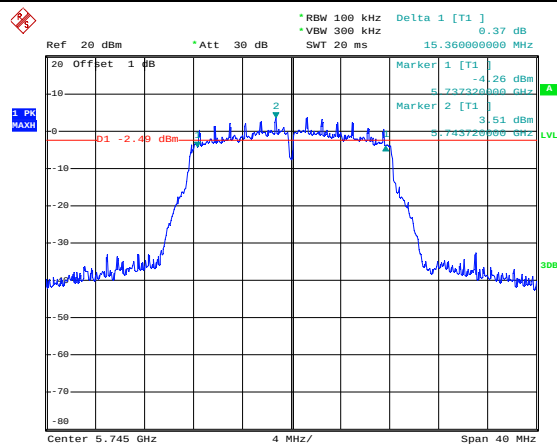
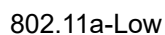


802.11ac-VHT40-High

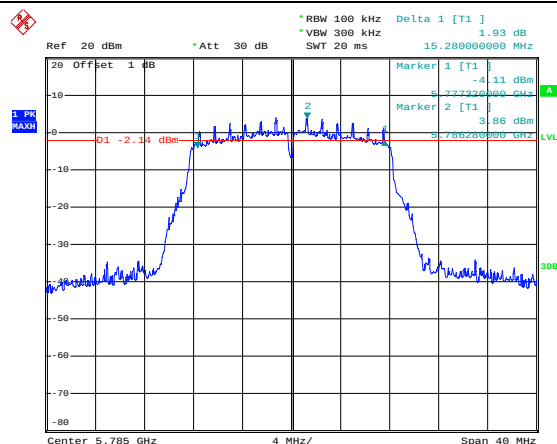
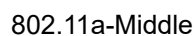


802.11ac-VHT80

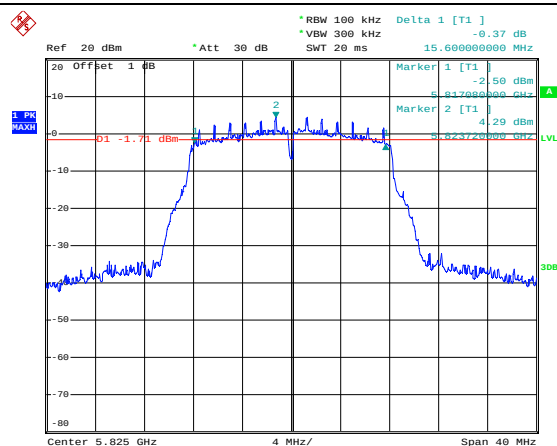
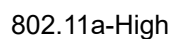




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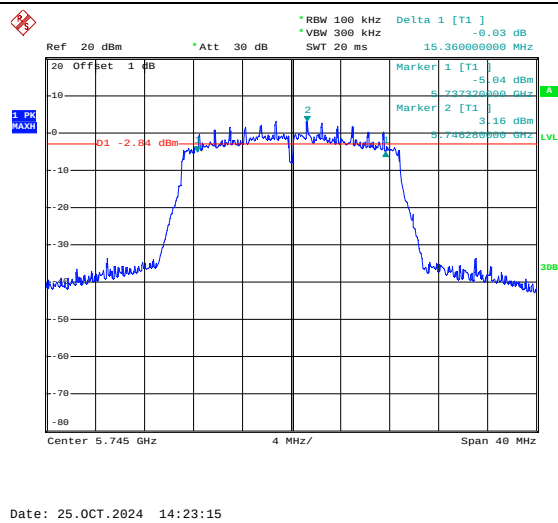


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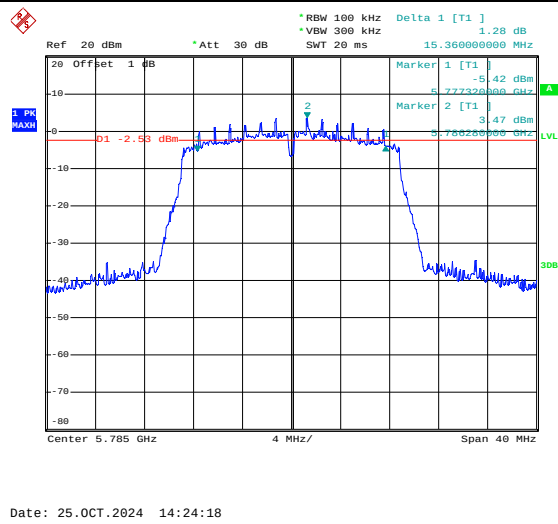


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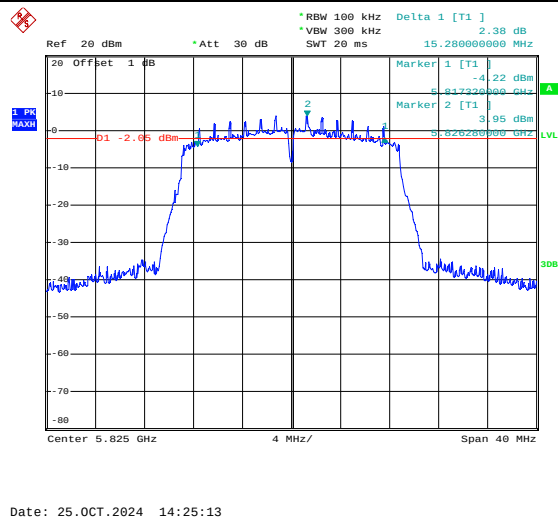
802.11n-HT20-Low

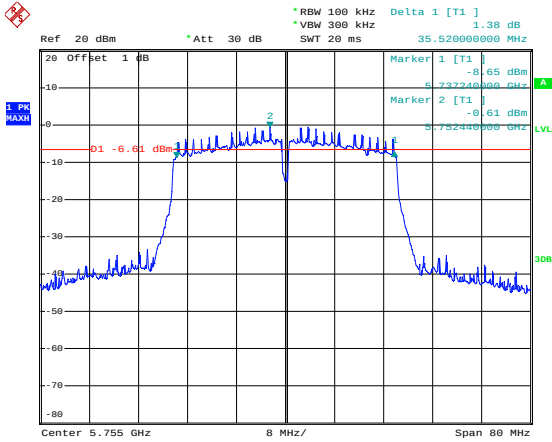
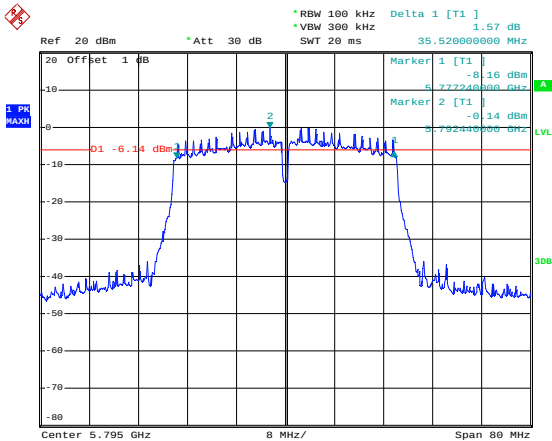
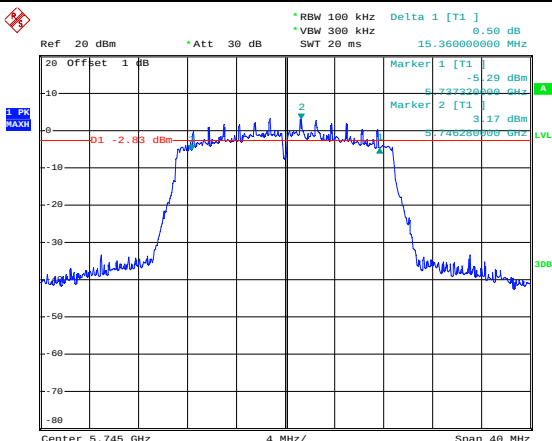


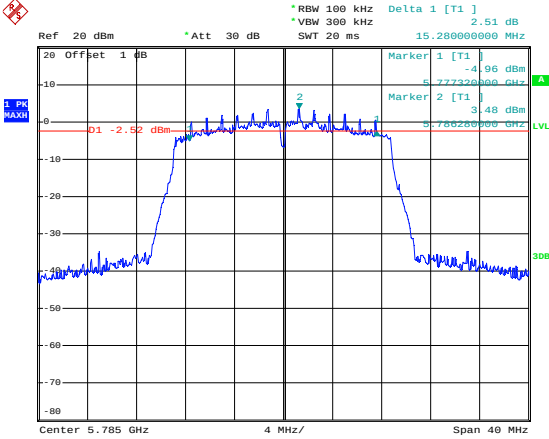
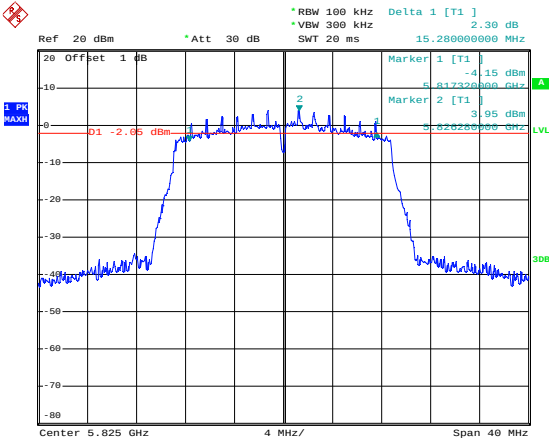
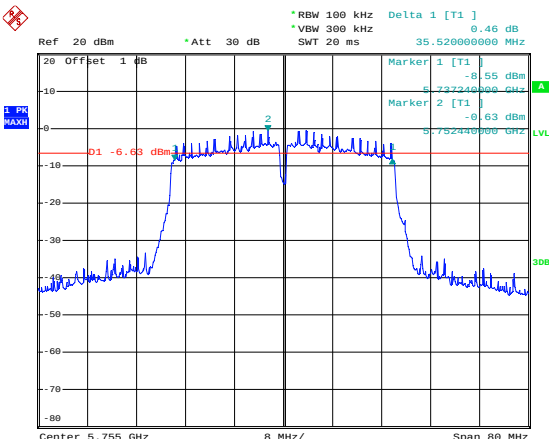
802.11n-HT20-Middle



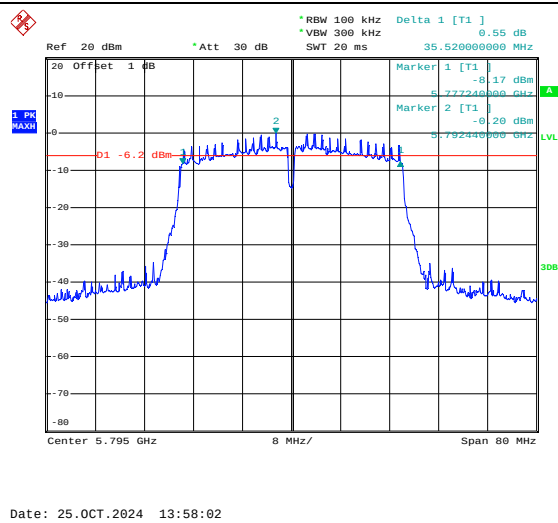
802.11n-HT20-High



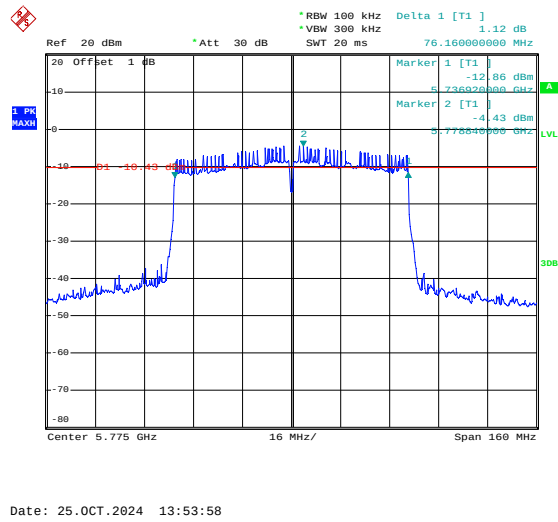
802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 1.38 dB *RBW 100 kHz *VBW 300 kHz SWT 20 ms 35.52000000 MHz Marker 1 [T1] -8.65 dBm Marker 2 [T1] -8.61 dBm D1 -6.61 dBm Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 14:09:52
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 1.57 dB *RBW 100 kHz *VBW 300 kHz SWT 20 ms 35.52000000 MHz Marker 1 [T1] -8.16 dBm Marker 2 [T1] -8.14 dBm D1 -6.14 dBm Center 5.795 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 14:13:11
802.11ac-VHT20-Low	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 0.50 dB *RBW 100 kHz *VBW 300 kHz SWT 20 ms 15.36000000 MHz Marker 1 [T1] -5.29 dBm Marker 2 [T1] 3.17 dBm D1 -2.83 dBm Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 14:22:18

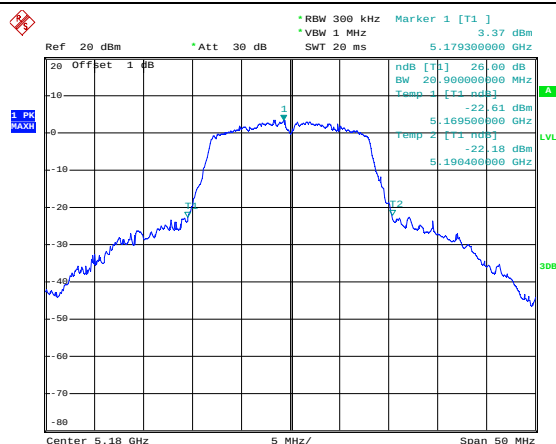
802.11ac-VHT20-Middle	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 2.51 dB VBW 300 kHz SWT 20 ms 15.28000000 MHz Marker 1 [T1] -4.96 dBm Marker 2 [T1] 3.48 dBm D1 -2.52 dBm Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 14:20:51
802.11ac-VHT20-High	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 2.30 dB VBW 300 kHz SWT 20 ms 15.28000000 MHz Marker 1 [T1] -4.15 dBm Marker 2 [T1] 3.95 dBm D1 -2.05 dBm Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 14:17:50
802.11ac-VHT40-Low	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 0.46 dB VBW 300 kHz SWT 20 ms 35.52000000 MHz Marker 1 [T1] -8.55 dBm Marker 2 [T1] -0.63 dBm D1 -6.63 dBm Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 14:04:17

802.11ac-VHT40-High

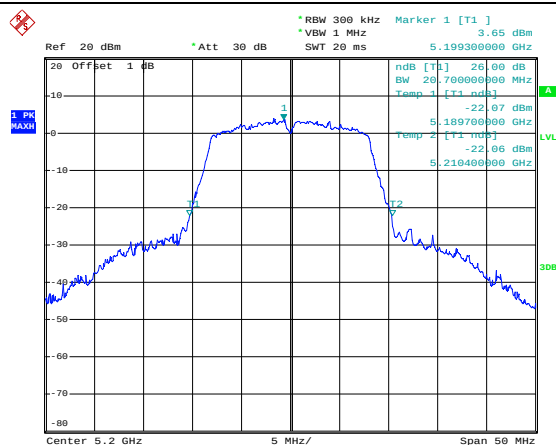


802.11ac-VHT80

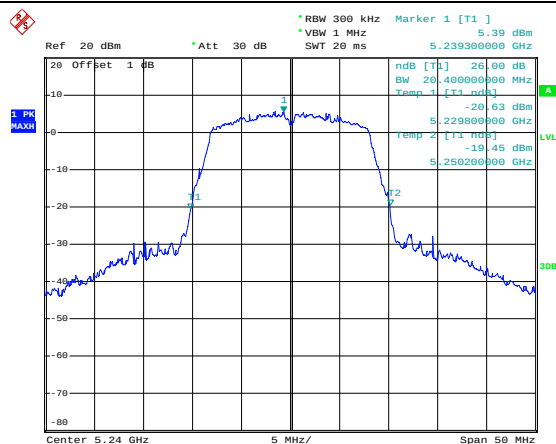




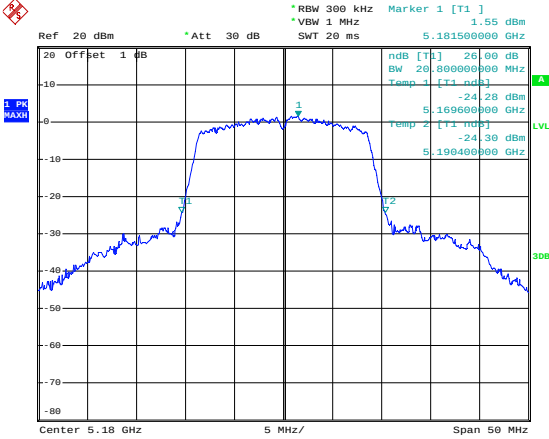
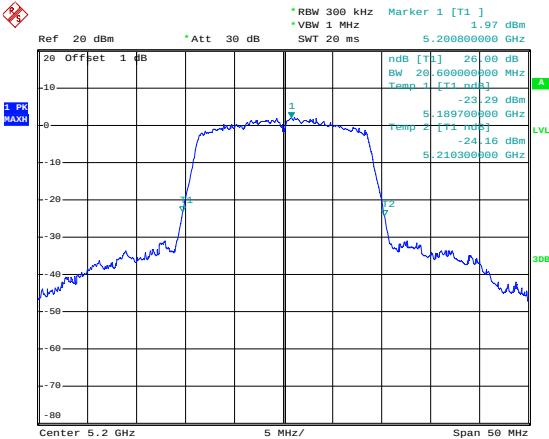
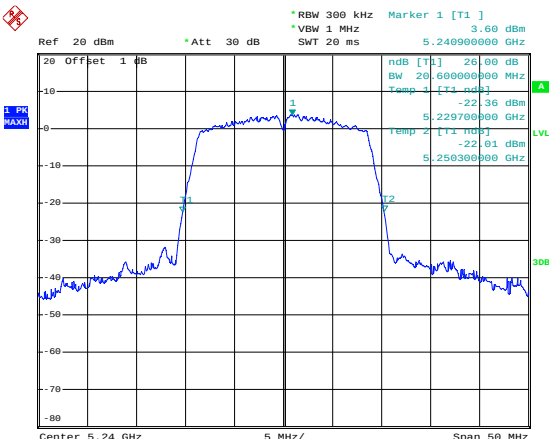
802.11a-Middle

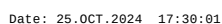
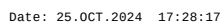
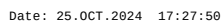


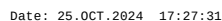
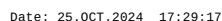
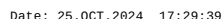
802.11a-High



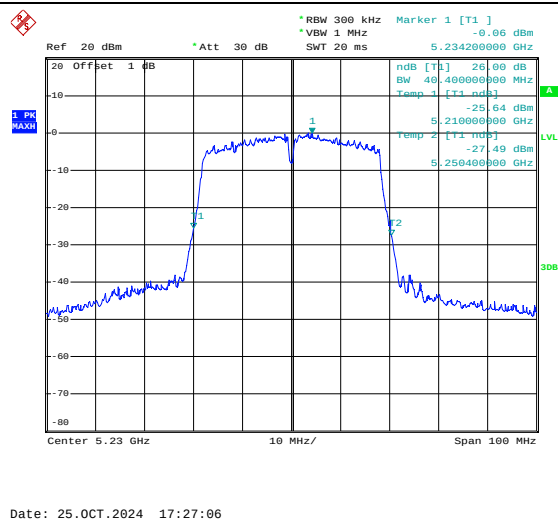
Date: 25.OCT.2024 17:31:17

802.11n-HT20-Low	 Date: 25.OCT.2024 17:30:18
802.11n-HT20-Middle	 Date: 25.OCT.2024 17:30:38
802.11n-HT20-High	 Date: 25.OCT.2024 17:31:00

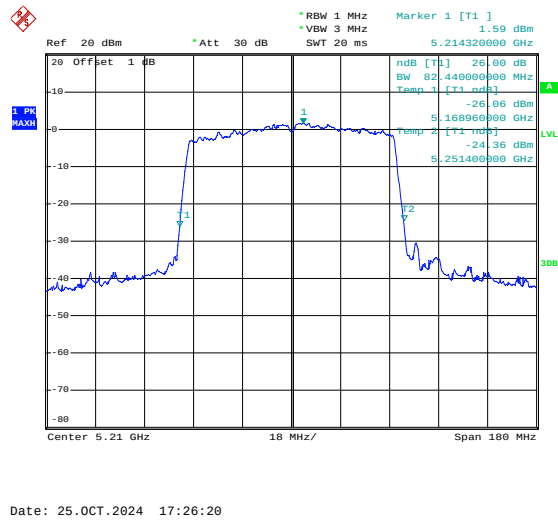




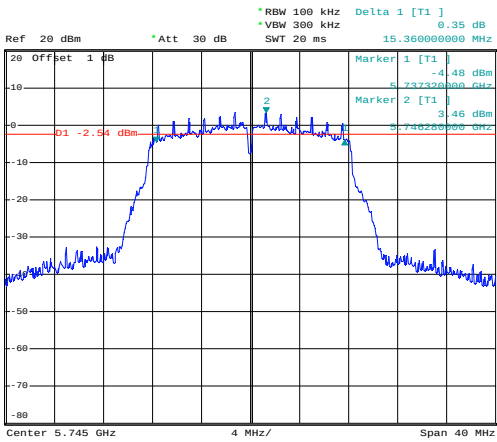
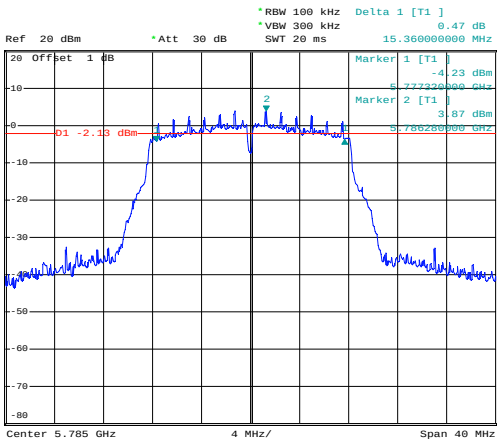
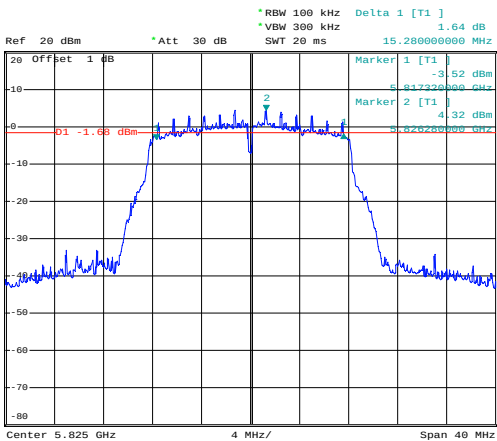
802.11ac-VHT40-High

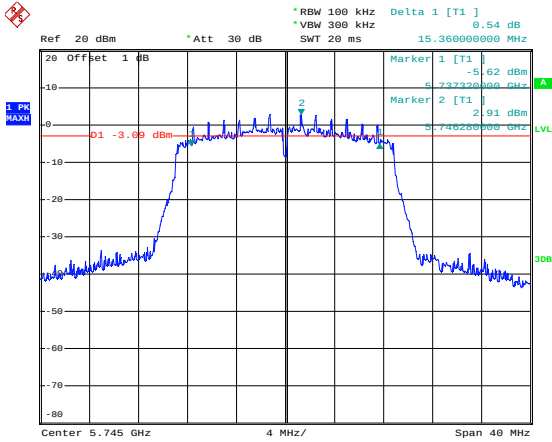
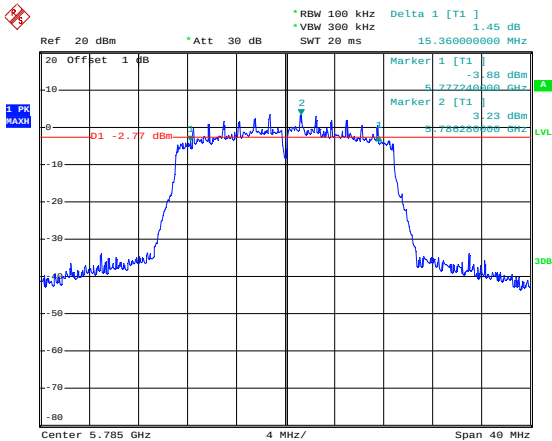
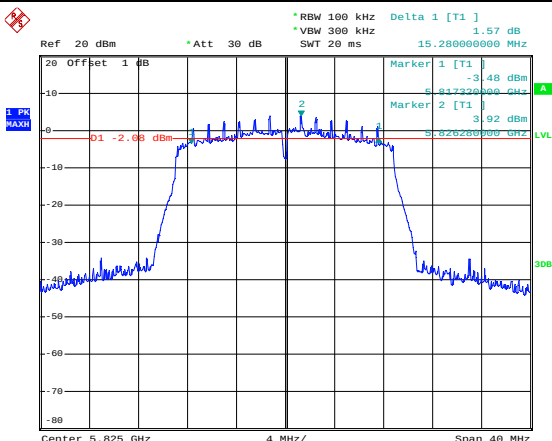


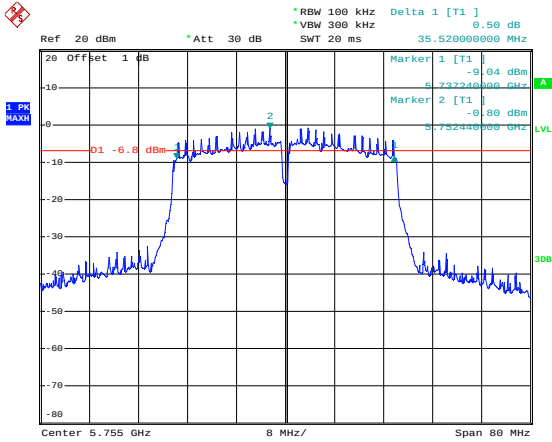
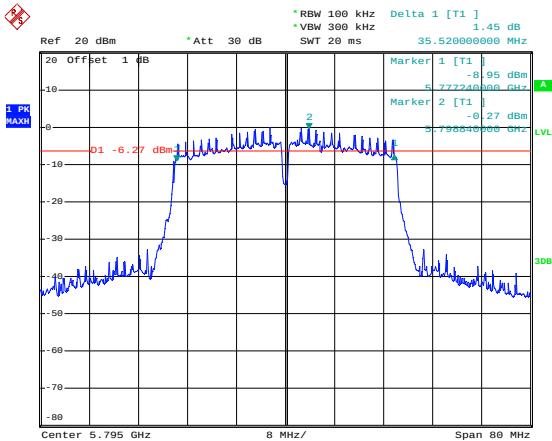
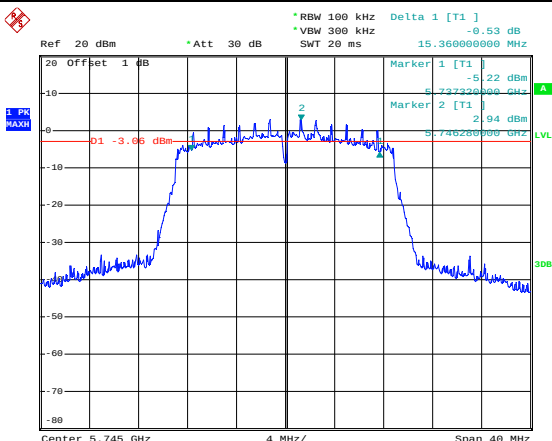
802.11ac-VHT80

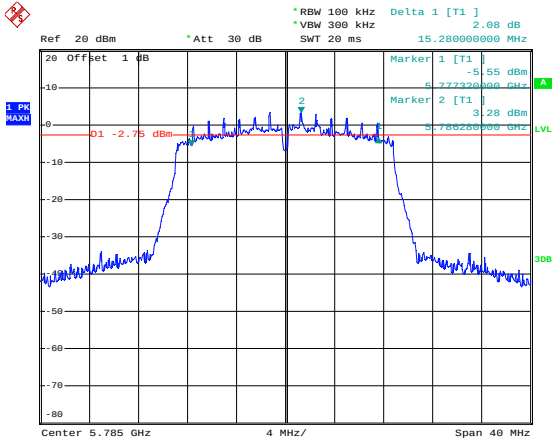
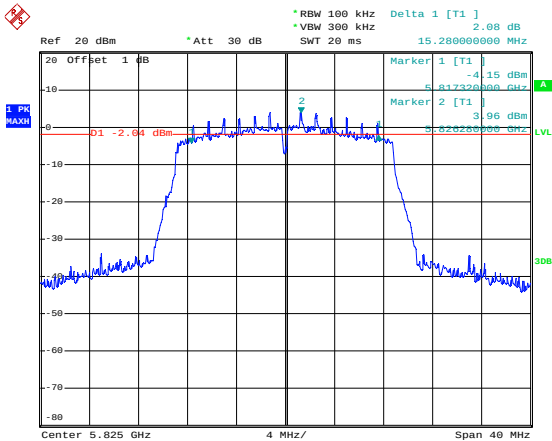
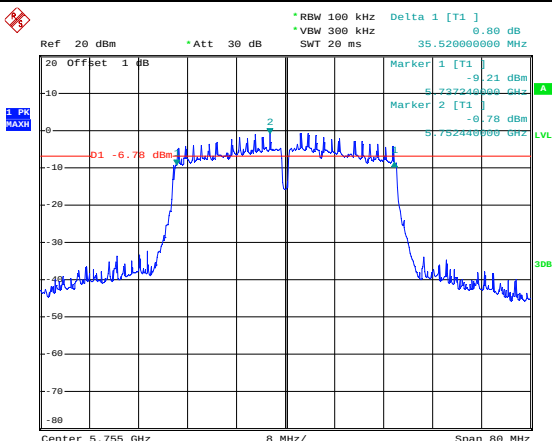


6 dB Bandwidth
5725-5850MHz

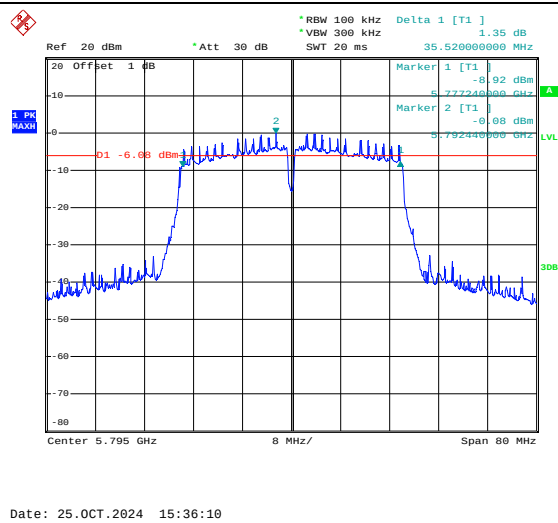
802.11a-Low	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 0.35 dB VBW 300 kHz 15.36000000 MHz SWT 20 ms Marker 1 [T1] -4.48 dBm Marker 2 [T1] -3.46 dBm D1 -2.54 dBm Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:45:42
802.11a-Middle	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 0.47 dB VBW 300 kHz 15.36000000 MHz SWT 20 ms Marker 1 [T1] -4.23 dBm Marker 2 [T1] -3.87 dBm D1 -2.13 dBm Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:44:57
802.11a-High	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 1.64 dB VBW 300 kHz 15.28000000 MHz SWT 20 ms Marker 1 [T1] -3.52 dBm Marker 2 [T1] -4.32 dBm D1 -1.68 dBm Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:44:01

802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 0.54 dB *RBW 100 kHz *VBW 300 kHz SWT 20 ms 15.36000000 MHz Marker 1 [T1] -5.62 dBm Marker 2 [T1] 2.91 dBm D1 -3.09 dBm Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:42:05
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 1.45 dB *RBW 100 kHz *VBW 300 kHz SWT 20 ms 15.36000000 MHz Marker 1 [T1] -3.88 dBm Marker 2 [T1] 3.23 dBm D1 -2.77 dBm Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:42:40
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 1.57 dB *RBW 100 kHz *VBW 300 kHz SWT 20 ms 15.28000000 MHz Marker 1 [T1] -3.48 dBm Marker 2 [T1] 3.92 dBm D1 -2.09 dBm Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:43:22

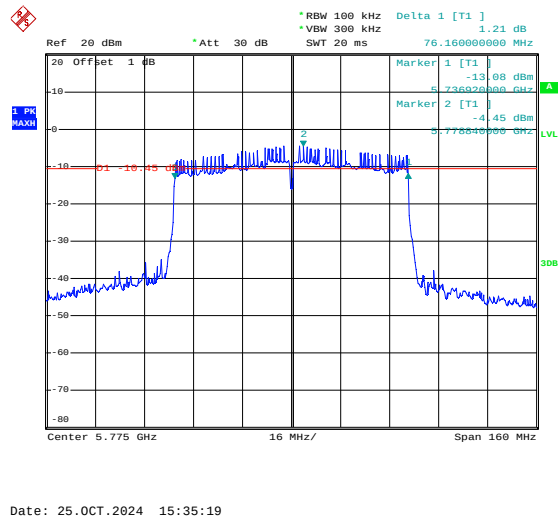
802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 0.50 dB *VBW 300 kHz SWT 20 ms 35.52000000 MHz Marker 1 [T1] -9.94 dBm Marker 2 [T1] -6.80 dBm D1 -6.8 dBm Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 15:37:31
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] 1.45 dB *VBW 300 kHz SWT 20 ms 35.52000000 MHz Marker 1 [T1] -8.95 dBm Marker 2 [T1] -6.27 dBm D1 -6.27 dBm Center 5.795 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 15:38:51
802.11ac-VHT20-Low	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] -0.53 dB *VBW 300 kHz SWT 20 ms 15.36000000 MHz Marker 1 [T1] -5.22 dBm Marker 2 [T1] 2.94 dBm D1 -3.06 dBm Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:41:22

802.11ac-VHT20-Middle	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 2.08 dB RBW 100 kHz VBW 300 kHz SWT 20 ms 15.28000000 MHz Marker 1 [T1] -15.55 dBm Marker 2 [T1] -3.28 dBm D1 -2.75 dBm Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:40:38
802.11ac-VHT20-High	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 2.08 dB RBW 100 kHz VBW 300 kHz SWT 20 ms 15.28000000 MHz Marker 1 [T1] -4.15 dBm Marker 2 [T1] -3.96 dBm D1 -2.04 dBm Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:39:56
802.11ac-VHT40-Low	 Ref 20 dBm *Att 30 dB Delta 1 [T1] 0.80 dB RBW 100 kHz VBW 300 kHz SWT 20 ms 35.52000000 MHz Marker 1 [T1] -9.21 dBm Marker 2 [T1] -0.78 dBm D1 -6.79 dBm Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 15:36:50

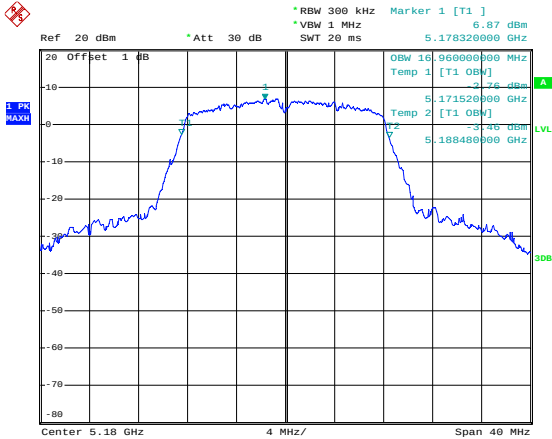
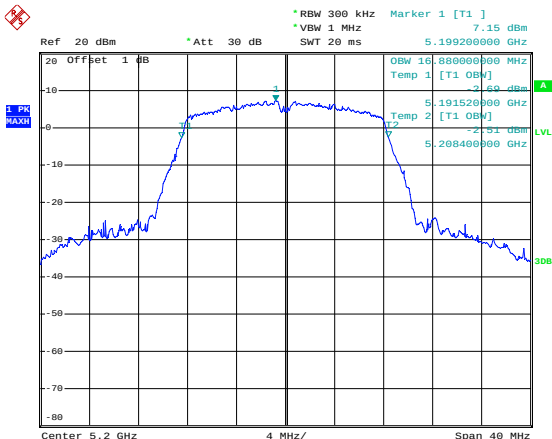
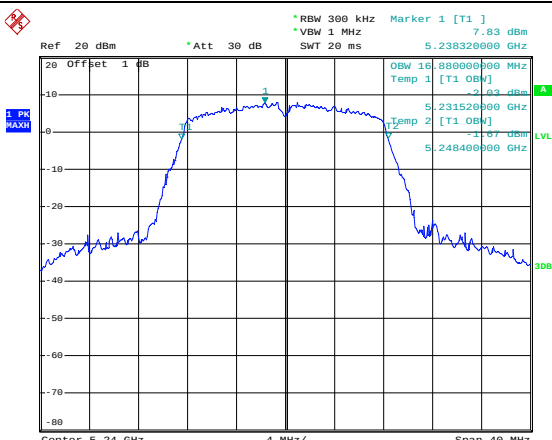
802.11ac-VHT40-High

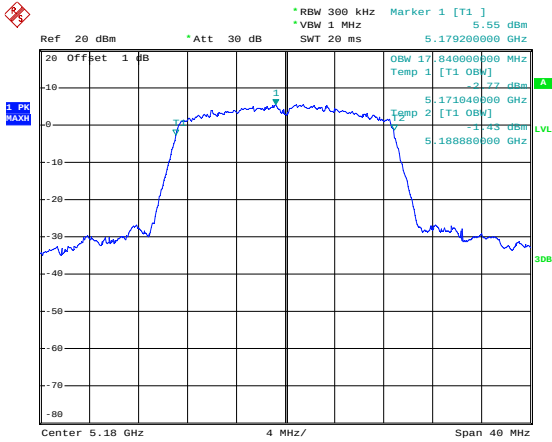
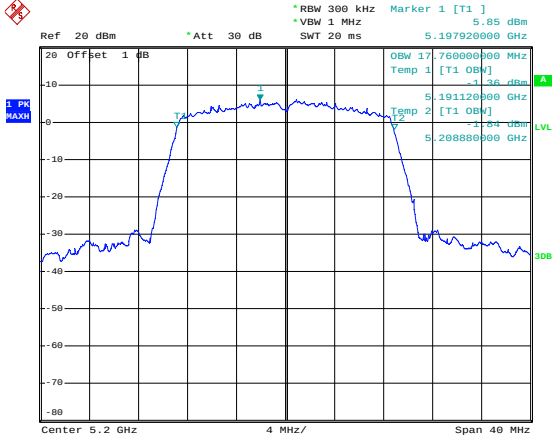
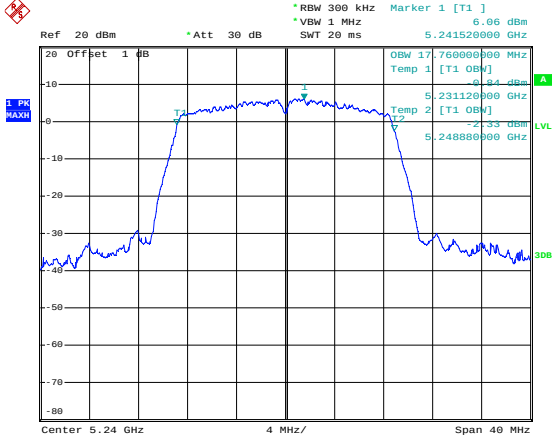


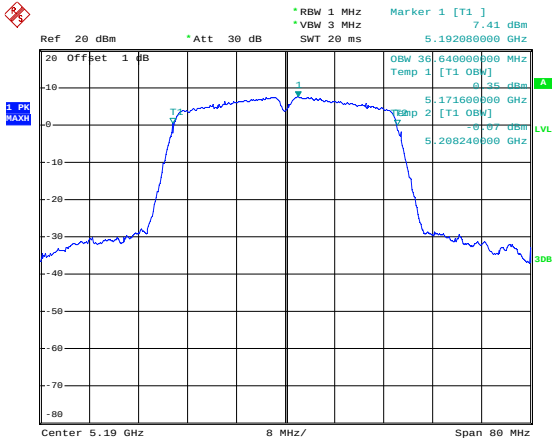
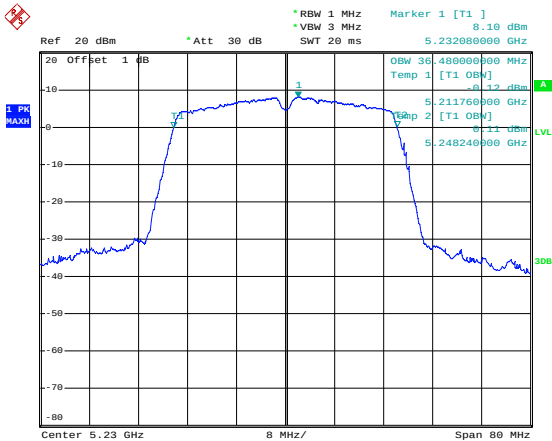
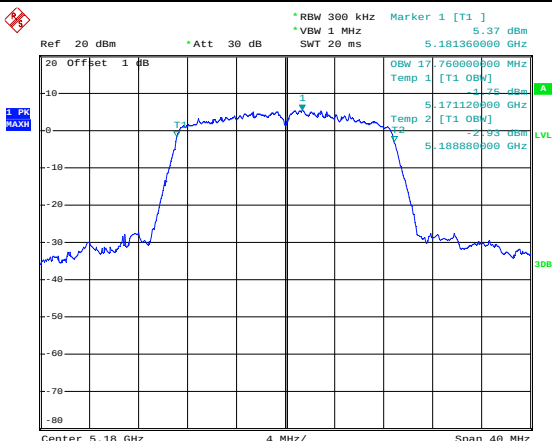
802.11ac-VHT80

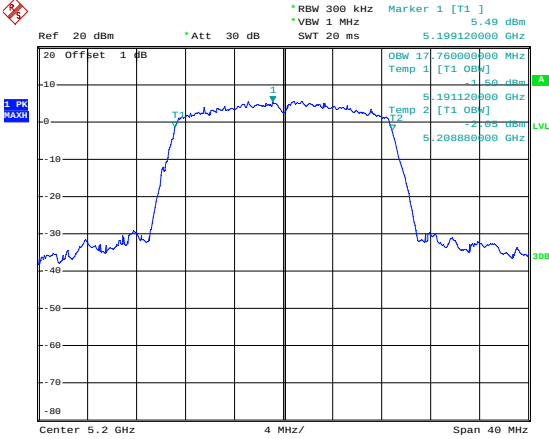
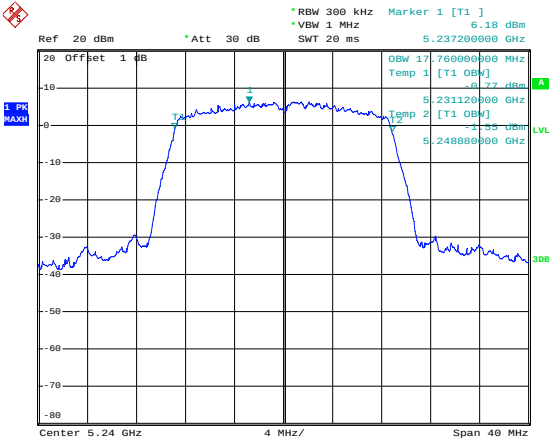
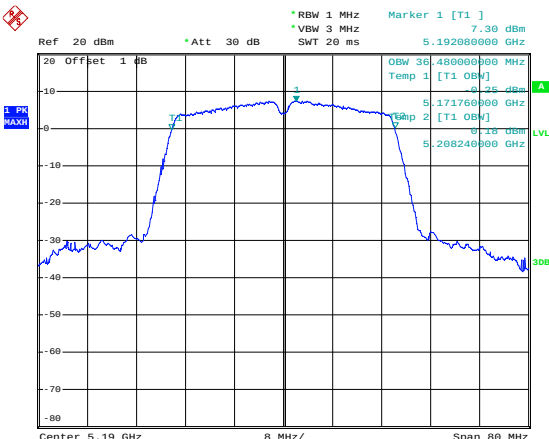


ANT 1
99% Bandwidth
5150-5250MHz

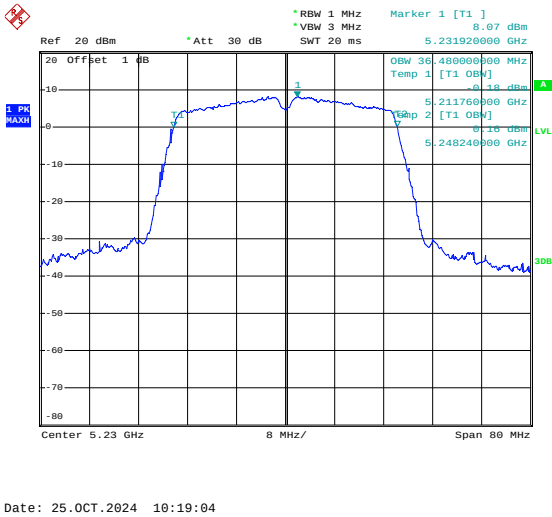
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802.11a-Middle	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] VBW 1 MHz SWT 20 ms 5.199200000 GHz 7.15 dBm OBW 16.880000000 MHz Temp 1 [T1 OBW] 5.191520000 GHz -2.69 dBm Temp 2 [T1 OBW] 5.208480000 GHz -2.51 dBm Center 5.2 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 09:43:37
802.11a-High	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] VBW 1 MHz SWT 20 ms 5.238320000 GHz 7.83 dBm OBW 16.880000000 MHz Temp 1 [T1 OBW] 5.231520000 GHz -2.63 dBm Temp 2 [T1 OBW] 5.248480000 GHz -1.67 dBm Center 5.24 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 09:44:08

802.11n-HT20-Low	 Date: 25.OCT.2024 09:57:27
802.11n-HT20-Middle	 Date: 25.OCT.2024 09:55:03
802.11n-HT20-High	 Date: 25.OCT.2024 09:45:23

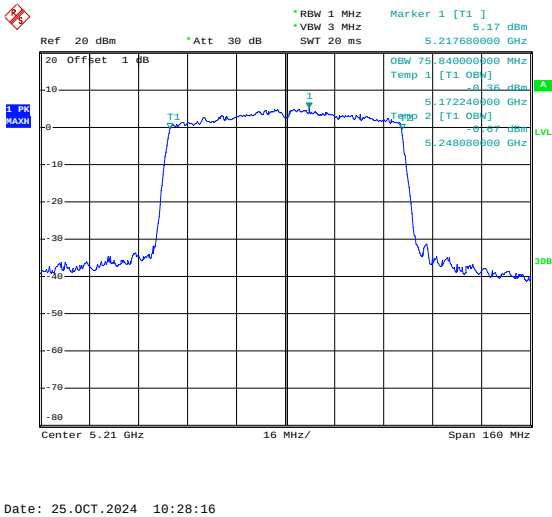
802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz Marker 1 [T1] 7.41 dBm 5.192000000 GHz OBW 36.540000000 MHz Temp 1 [T1 OBW] -0.35 dBm 5.171600000 GHz Temp 2 [T1 OBW] -0.07 dBm 5.206240000 GHz Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 10:18:04
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz Marker 1 [T1] 8.10 dBm 5.232000000 GHz OBW 36.480000000 MHz Temp 1 [T1 OBW] -0.12 dBm 5.211760000 GHz Temp 2 [T1 OBW] -0.11 dBm 5.248240000 GHz Center 5.23 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 10:18:34
802.11ac-VHT20-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz *VBW 1 MHz Marker 1 [T1] 5.37 dBm 5.181360000 GHz OBW 17.760000000 MHz Temp 1 [T1 OBW] -1.75 dBm 5.171120000 GHz Temp 2 [T1 OBW] -2.33 dBm 5.188880000 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 10:14:02

802.11ac-VHT20-Middle	 Date: 25.OCT.2024 10:14:52
802.11ac-VHT20-High	 Date: 25.OCT.2024 10:15:47
802.11ac-VHT40-Low	 Date: 25.OCT.2024 10:26:23

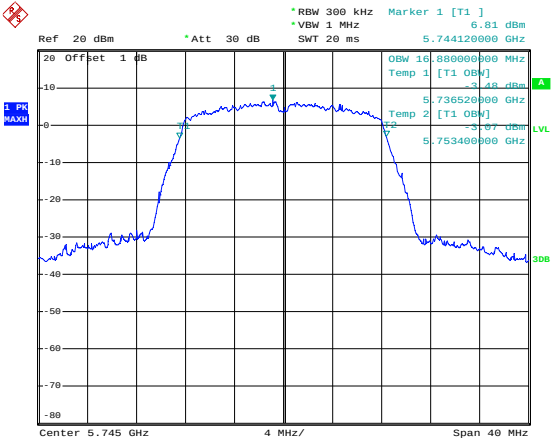
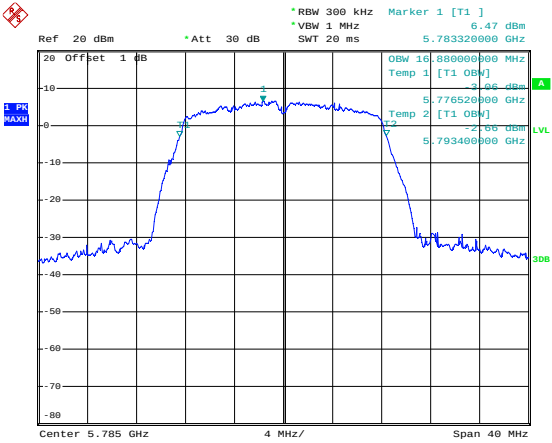
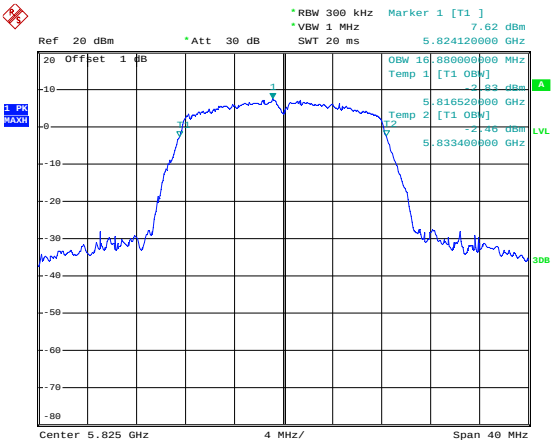
802.11ac-VHT40-High

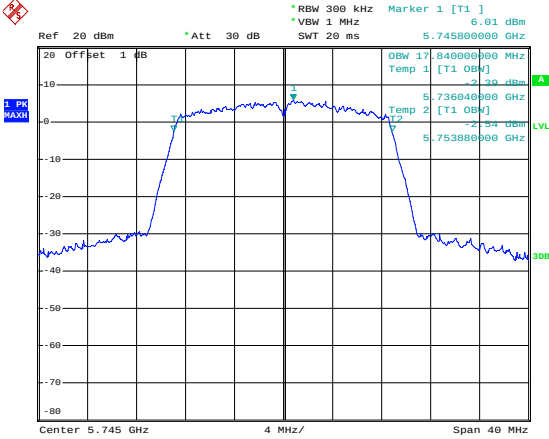
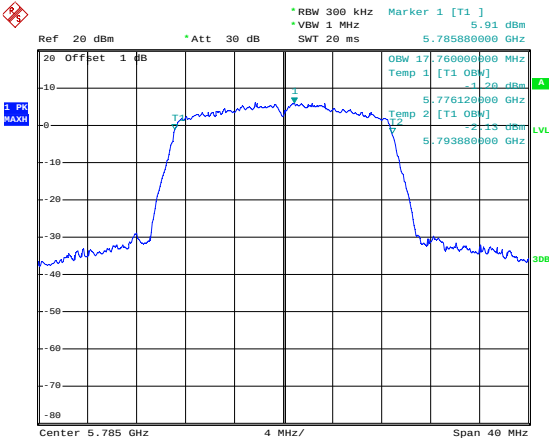
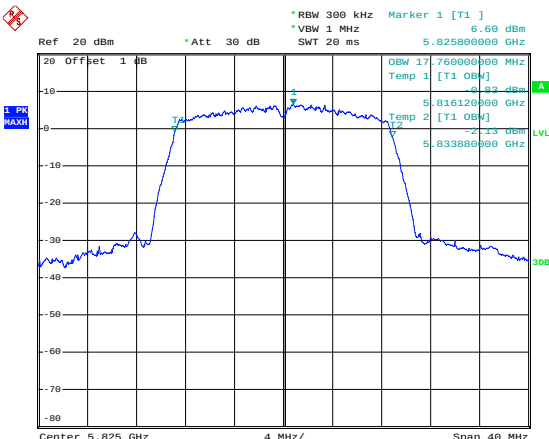


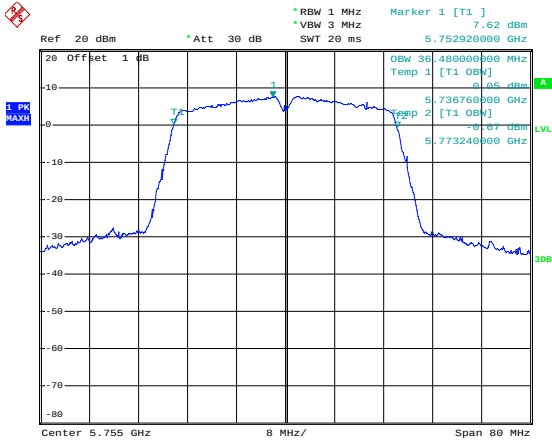
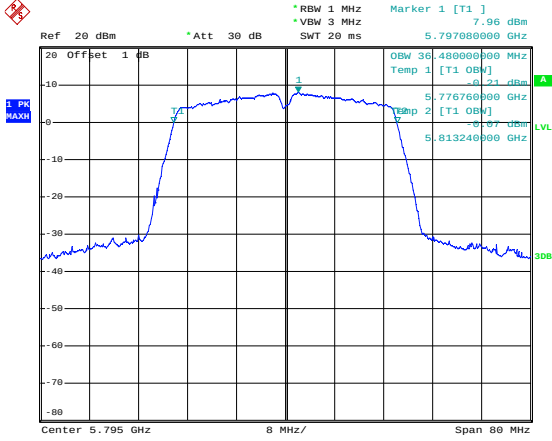
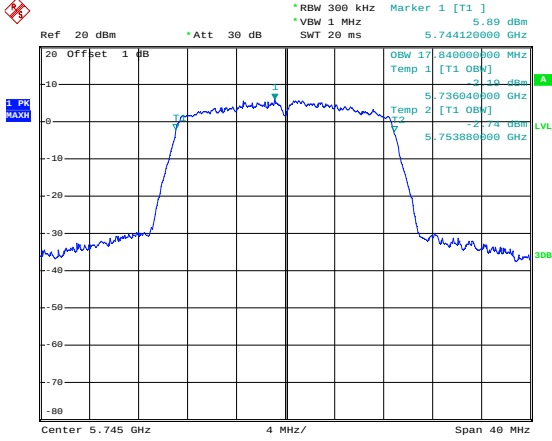
802.11ac-VHT80

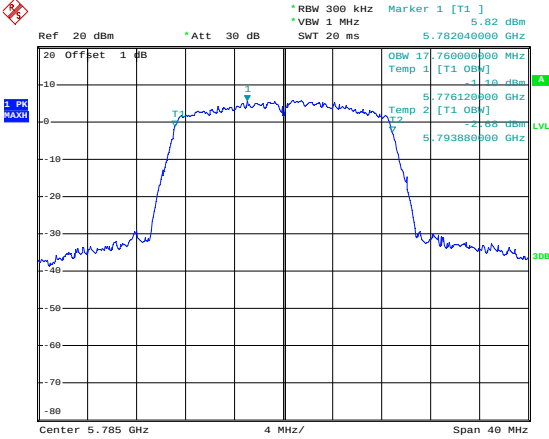
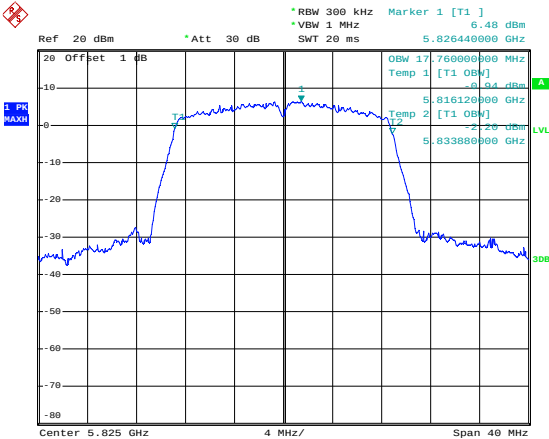
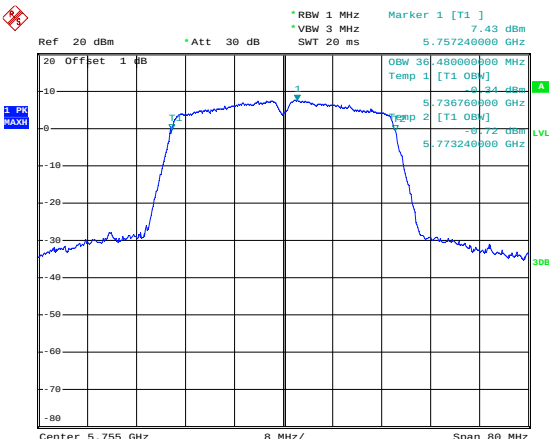


99% Bandwidth
5725-5850MHz

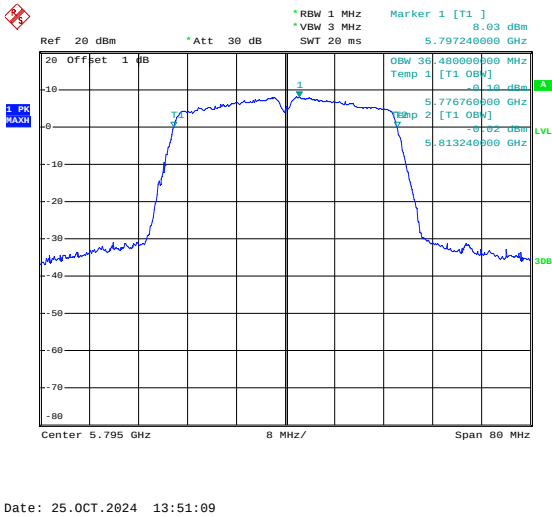
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802.11a-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] 6.47 dBm *VBW 1 MHz SWT 20 ms 5.783320000 GHz 20 Offset 1 dB OBW 16.880000000 MHz Temp 1 [T1 OBW] -3.06 dBm 5.776520000 GHz LVL Temp 2 [T1 OBW] -2.66 dBm 5.793400000 GHz 300 Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 13:45:20
802.11a-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] 7.62 dBm *VBW 1 MHz SWT 20 ms 5.824120000 GHz 20 Offset 1 dB OBW 16.880000000 MHz Temp 1 [T1 OBW] -2.83 dBm 5.816520000 GHz LVL Temp 2 [T1 OBW] -2.56 dBm 5.833400000 GHz 300 Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 13:46:05

802.11n-HT20-Low	 Date: 25.OCT.2024 13:48:39
802.11n-HT20-Middle	 Date: 25.OCT.2024 13:48:02
802.11n-HT20-High	 Date: 25.OCT.2024 13:47:04

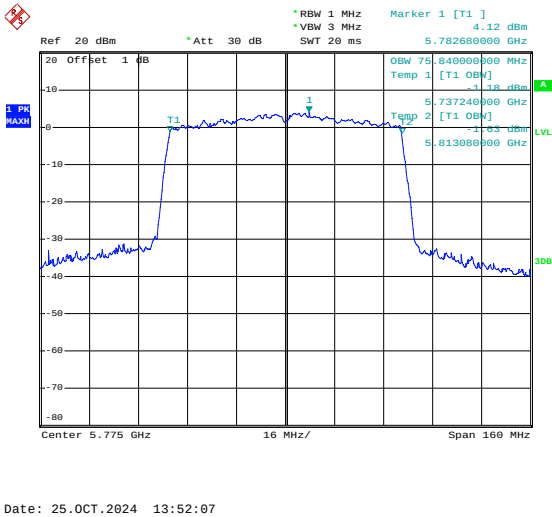
802.11n-HT40-Low	 Date: 25.OCT.2024 13:50:25
802.11n-HT40-High	 Date: 25.OCT.2024 13:50:47
802.11ac-VHT20-Low	 Date: 25.OCT.2024 13:49:02

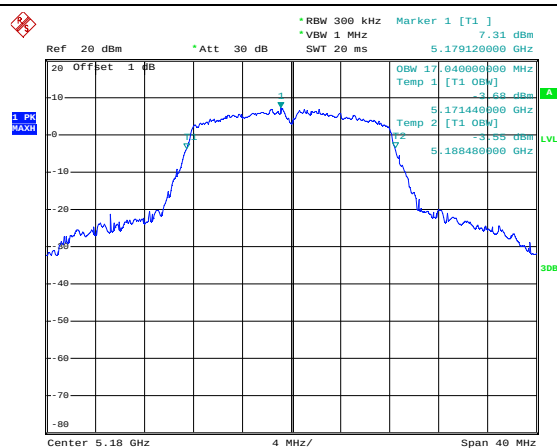
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802.11ac-VHT20-High	 Date: 25.OCT.2024 13:49:53
802.11ac-VHT40-Low	 Date: 25.OCT.2024 13:51:36

802.11ac-VHT40-High

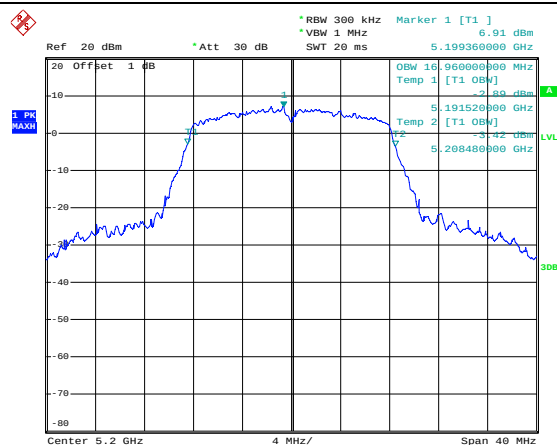
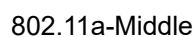


802.11ac-VHT80

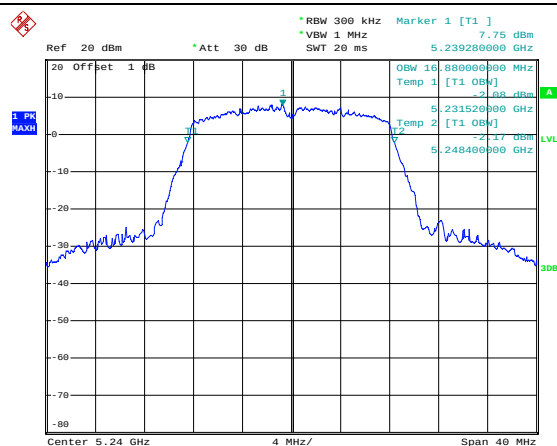
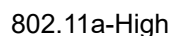




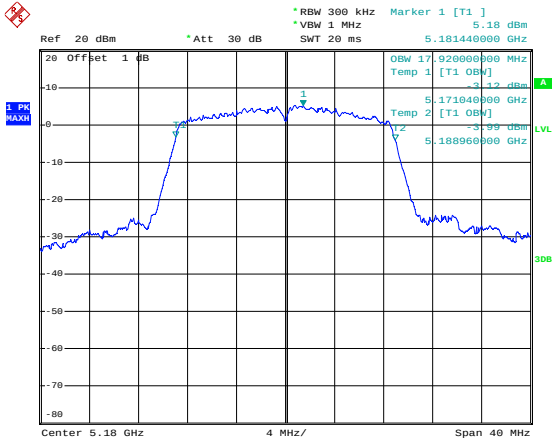
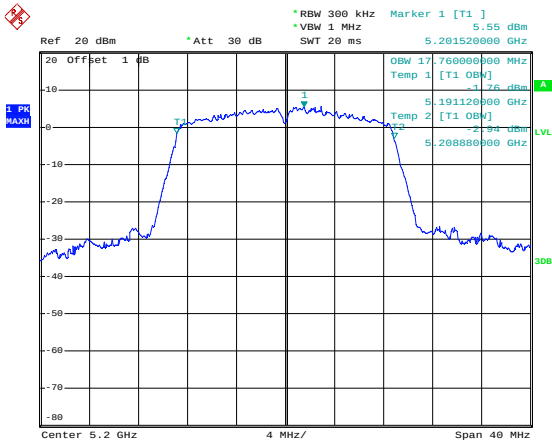
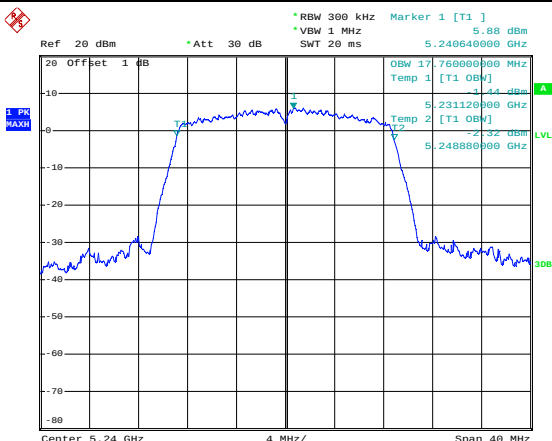
Date: 25.OCT.2024 16:36:30

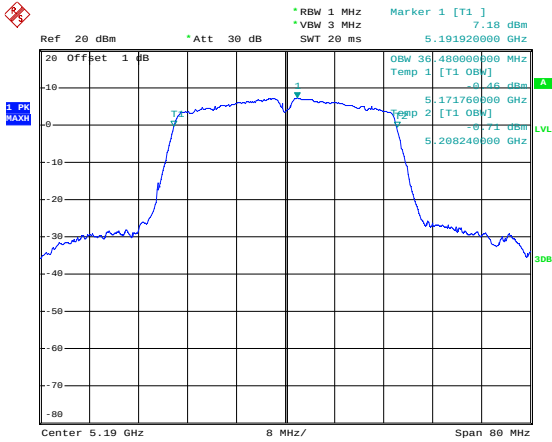
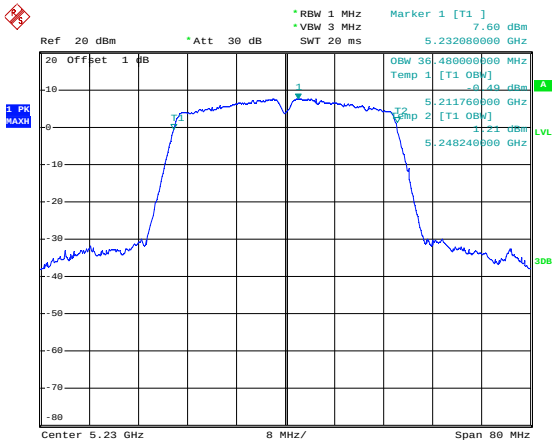
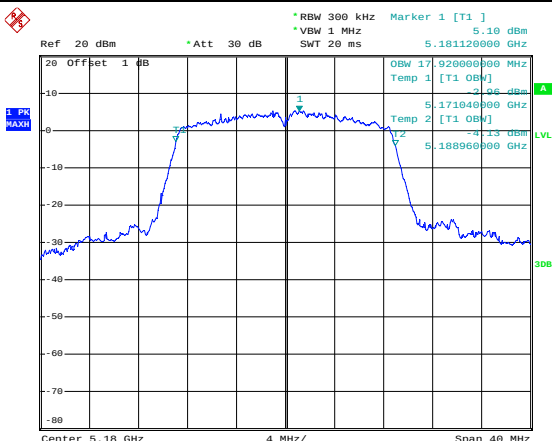


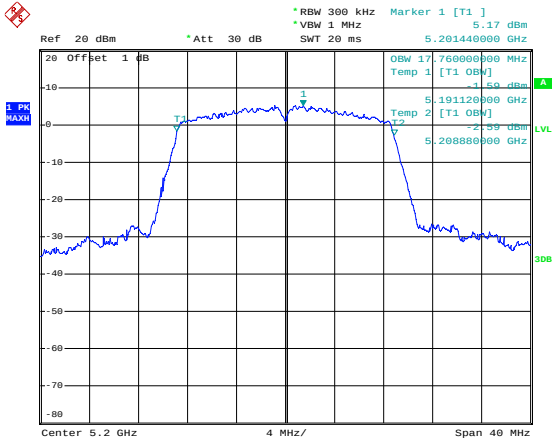
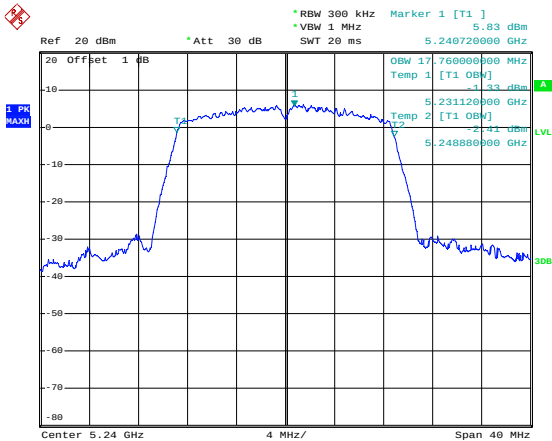
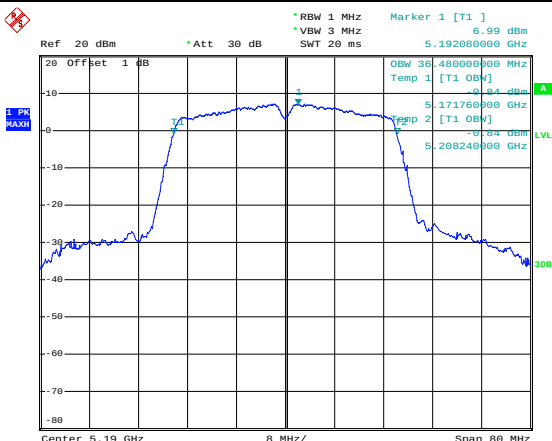
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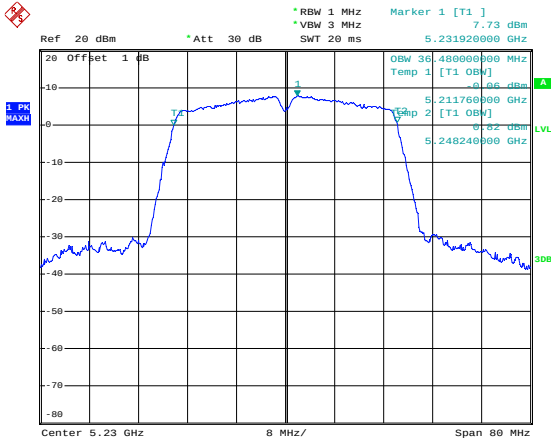
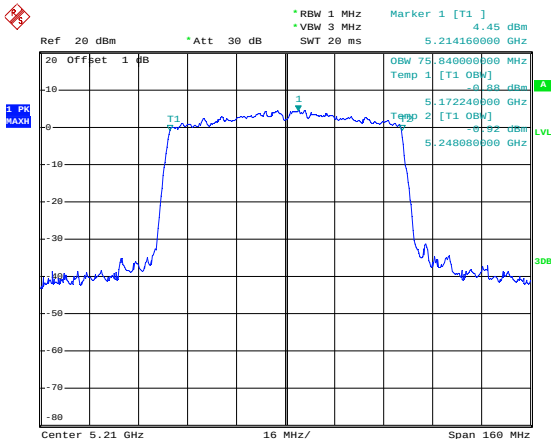


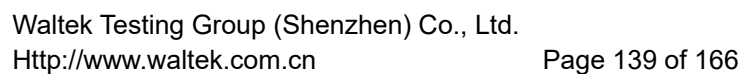
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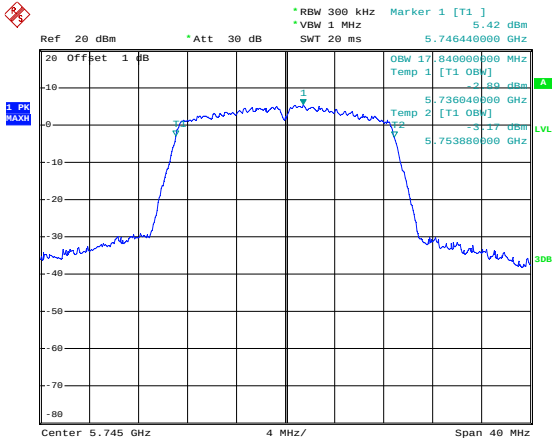
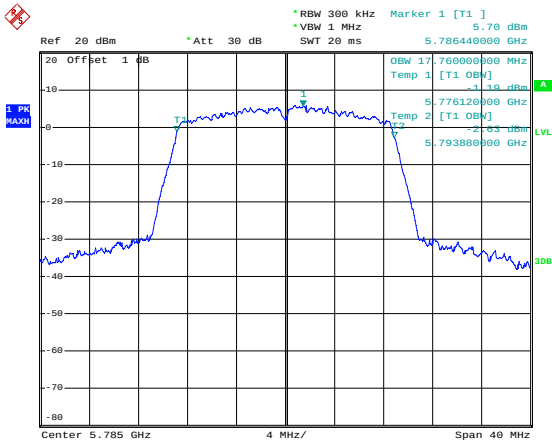
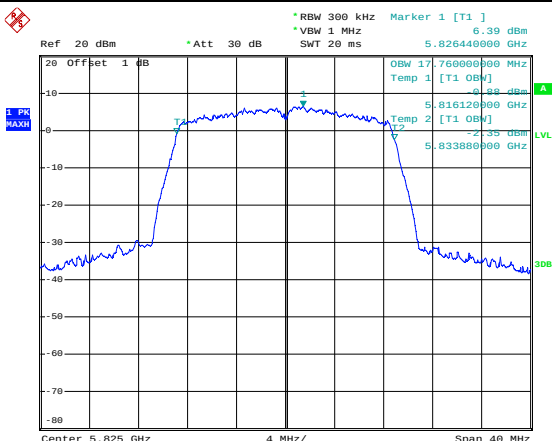
802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 5.18 dBm VBW 1 MHz SWT 20 ms 5.181440900 GHz OBW 17.920000000 MHz Temp 1 [T1 OBW] -3.12 dBm 5.171040900 GHz Temp 2 [T1 OBW] -3.99 dBm 5.188960900 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 16:38:37
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 5.55 dBm VBW 1 MHz SWT 20 ms 5.201520900 GHz OBW 17.760000000 MHz Temp 1 [T1 OBW] -1.76 dBm 5.191120900 GHz Temp 2 [T1 OBW] -2.94 dBm 5.208880900 GHz Center 5.2 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 16:38:10
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 5.88 dBm VBW 1 MHz SWT 20 ms 5.240640900 GHz OBW 17.760000000 MHz Temp 1 [T1 OBW] -1.44 dBm 5.231120900 GHz Temp 2 [T1 OBW] -2.32 dBm 5.248880900 GHz Center 5.24 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 16:37:45

802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB RBW 1 MHz VBW 3 MHz Marker 1 [T1] 7.18 dBm 5.191920000 GHz 20 Offset 1 dB OBW 36.48000000 MHz Temp 1 [T1 OBW] -0.46 dBm 5.171760000 GHz Temp 2 [T1 OBW] -0.71 dBm 5.208240000 GHz Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 16:40:13
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB RBW 1 MHz VBW 3 MHz Marker 1 [T1] 7.60 dBm 5.232080000 GHz 20 Offset 1 dB OBW 36.48000000 MHz Temp 1 [T1 OBW] -0.49 dBm 5.211760000 GHz Temp 2 [T1 OBW] -1.21 dBm 5.248240000 GHz Center 5.23 GHz 8 MHz/ Span 80 MHz Date: 25.OCT.2024 16:40:35
802.11ac-VHT20-Low	 Ref 20 dBm *Att 30 dB RBW 300 kHz VBW 1 MHz Marker 1 [T1] 5.10 dBm 5.181200000 GHz 20 Offset 1 dB OBW 17.92000000 MHz Temp 1 [T1 OBW] -2.06 dBm 5.171040000 GHz Temp 2 [T1 OBW] -4.13 dBm 5.188960000 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 16:38:56

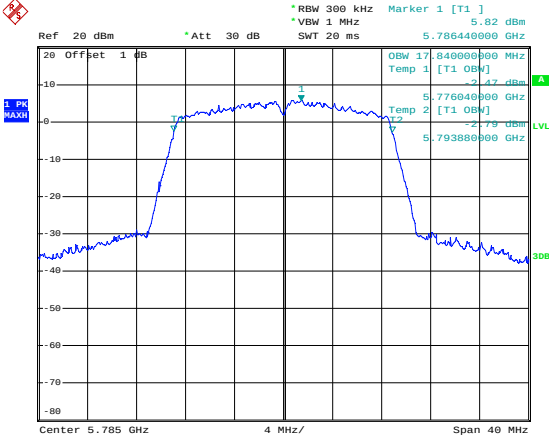
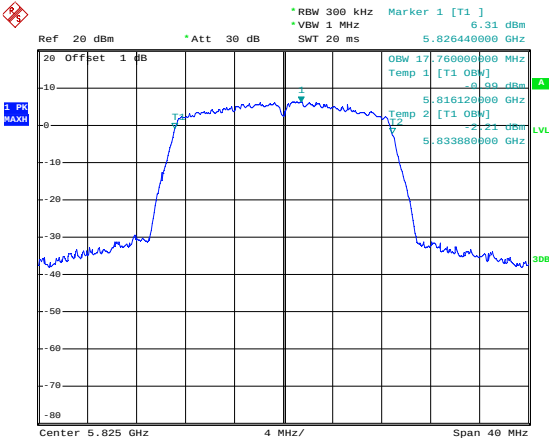
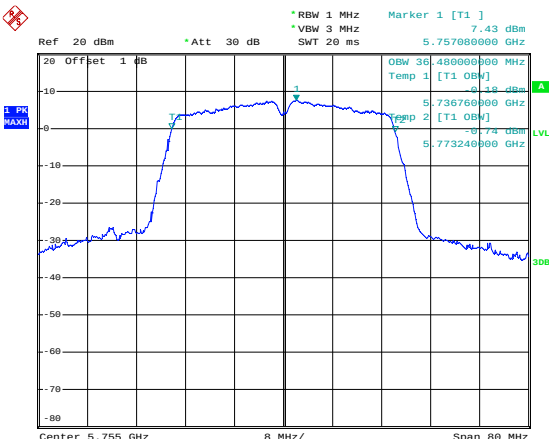
802.11ac-VHT20-Middle	 Date: 25.OCT.2024 16:39:18
802.11ac-VHT20-High	 Date: 25.OCT.2024 16:39:39
802.11ac-VHT40-Low	 Date: 25.OCT.2024 16:41:16

802.11ac-VHT40-High	<table data-bbox="1019 277 1187 389"><tr><th>Offset</th><th>BW</th><th>Temp</th><th>LVL</th></tr><tr><td>1 dB</td><td>36.48000000 MHz</td><td>1 [T1] 0.00 dBm</td><td>0.00 dBm</td></tr><tr><td></td><td>5.211760000 GHz</td><td>2 [T1] 0.00 dBm</td><td>0.00 dBm</td></tr><tr><td></td><td>5.248240000 GHz</td><td></td><td></td></tr></table> Date: 25.OCT.2024 16:40:55	Offset	BW	Temp	LVL	1 dB	36.48000000 MHz	1 [T1] 0.00 dBm	0.00 dBm		5.211760000 GHz	2 [T1] 0.00 dBm	0.00 dBm		5.248240000 GHz		
Offset	BW	Temp	LVL														
1 dB	36.48000000 MHz	1 [T1] 0.00 dBm	0.00 dBm														
	5.211760000 GHz	2 [T1] 0.00 dBm	0.00 dBm														
	5.248240000 GHz																
802.11ac-VHT80	<table data-bbox="1019 815 1187 927"><tr><th>Offset</th><th>BW</th><th>Temp</th><th>LVL</th></tr><tr><td>1 dB</td><td>75.84000000 MHz</td><td>1 [T1] 0.00 dBm</td><td>0.00 dBm</td></tr><tr><td></td><td>5.172240000 GHz</td><td>2 [T1] 0.00 dBm</td><td>0.00 dBm</td></tr><tr><td></td><td>5.248000000 GHz</td><td></td><td></td></tr></table> Date: 25.OCT.2024 16:41:41	Offset	BW	Temp	LVL	1 dB	75.84000000 MHz	1 [T1] 0.00 dBm	0.00 dBm		5.172240000 GHz	2 [T1] 0.00 dBm	0.00 dBm		5.248000000 GHz		
Offset	BW	Temp	LVL														
1 dB	75.84000000 MHz	1 [T1] 0.00 dBm	0.00 dBm														
	5.172240000 GHz	2 [T1] 0.00 dBm	0.00 dBm														
	5.248000000 GHz																

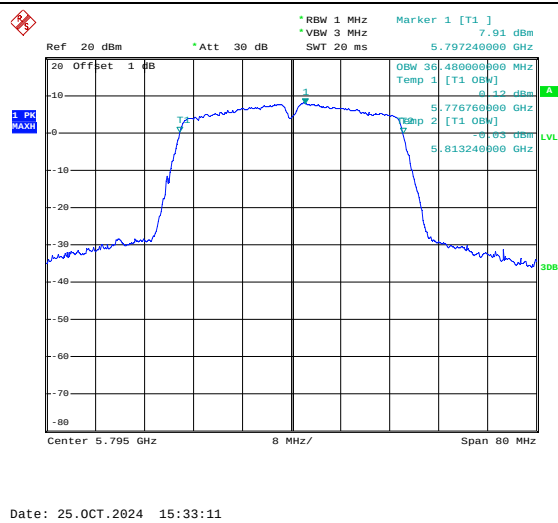


802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 5.42 dBm VBW 1 MHz SWT 20 ms 5.746440000 GHz OBW 17.840000000 MHz Temp 1 [T1 OBW] -2.89 dBm 5.736040000 GHz Temp 2 [T1 OBW] -3.17 dBm 5.753880000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:30:47
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 5.70 dBm VBW 1 MHz SWT 20 ms 5.786440000 GHz OBW 17.760000000 MHz Temp 1 [T1 OBW] -1.19 dBm 5.776120000 GHz Temp 2 [T1 OBW] -2.63 dBm 5.793880000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:30:28
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 6.39 dBm VBW 1 MHz SWT 20 ms 5.826440000 GHz OBW 17.760000000 MHz Temp 1 [T1 OBW] -0.88 dBm 5.816120000 GHz Temp 2 [T1 OBW] -2.33 dBm 5.833880000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 25.OCT.2024 15:30:06

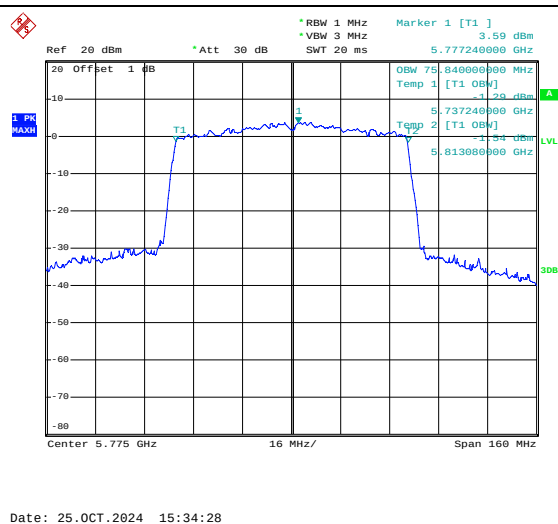
802.11n-HT40-Low	Date: 25.OCT.2024 15:32:30
802.11n-HT40-High	Date: 25.OCT.2024 15:32:49
802.11ac-VHT20-Low	Date: 25.OCT.2024 15:31:07

802.11ac-VHT20-Middle	 Date: 25.OCT.2024 15:31:27
802.11ac-VHT20-High	 Date: 25.OCT.2024 15:31:54
802.11ac-VHT40-Low	 Date: 25.OCT.2024 15:33:34

802.11ac-VHT40-High



802.11ac-VHT80



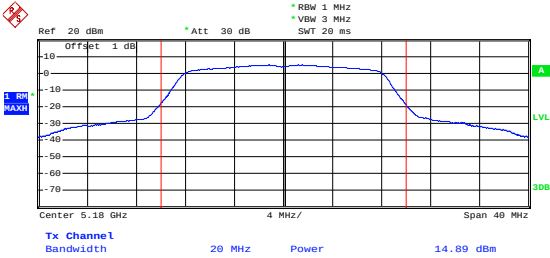
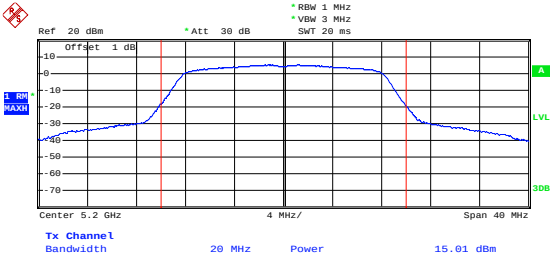
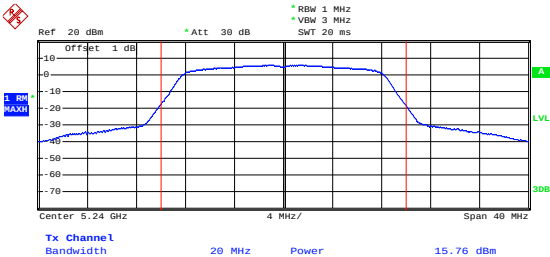
APPENDIX C

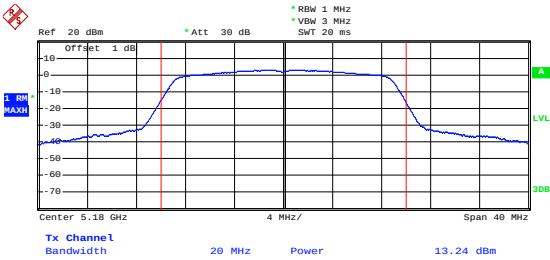
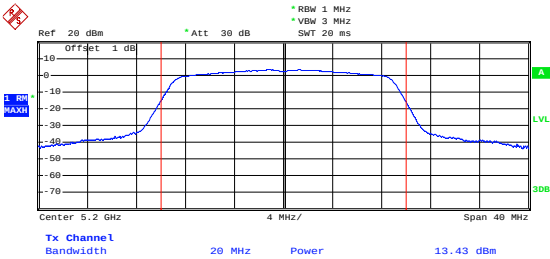
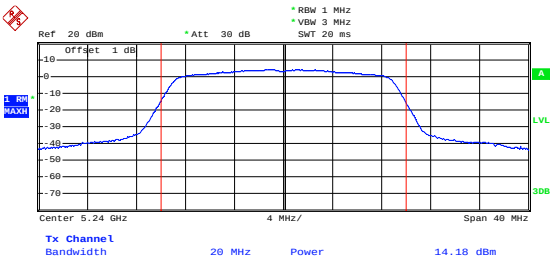
Maximum Conducted Output Power

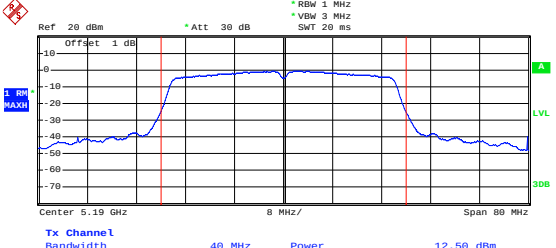
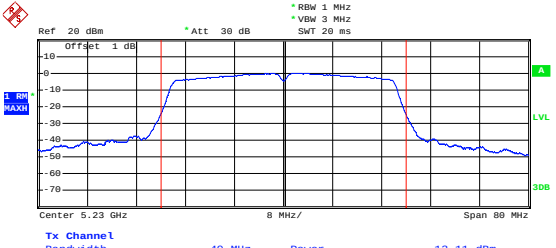
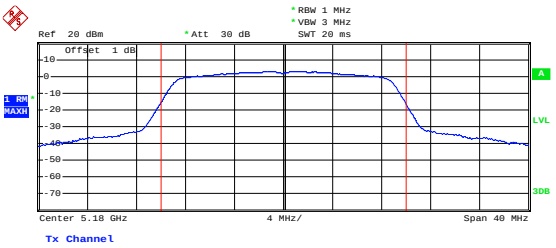
U-NII-1:5150-5250MHz					
Test mode	Frequency MHz	Output Power dBm		Total dBm	Limit dBm
		ANT 1	ANT 2		
802.11a	5180	14.89	14.68	/	23.98
	5200	15.01	14.89	/	23.98
	5240	15.76	15.61	/	23.98
802.11n-HT20	5180	13.24	13.21	16.24	23.98
	5200	13.43	13.23	16.34	23.98
	5240	14.18	14.05	17.13	23.98
802.11n-HT40	5190	12.50	12.36	15.44	23.98
	5230	13.11	13.01	16.07	23.98
802.11ac-VHT20	5180	13.20	13.16	16.19	23.98
	5200	13.43	13.20	16.33	23.98
	5240	14.16	14.09	17.14	23.98
802.11ac-VHT40	5190	12.46	12.28	15.38	23.98
	5230	13.15	13.01	16.09	23.98
802.11ac-VHT80	5210	12.81	12.57	15.70	23.98

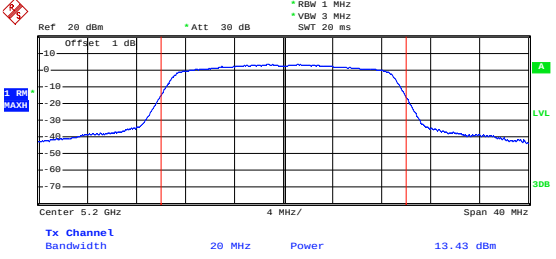
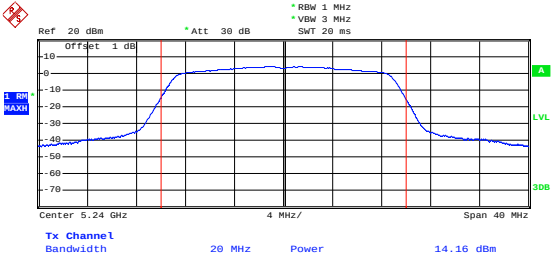
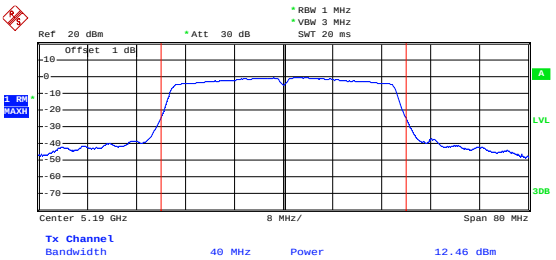
U-NII-3: 5725-5850MHz					
Test mode	Frequency MHz	Output Power dBm		Total dBm	Limit dBm
		ANT 1	ANT 2		
802.11a	5745	14.21	14.09	/	30.00
	5785	14.46	14.39	/	30.00
	5825	14.99	14.95	/	30.00
802.11n-HT20	5745	13.60	13.44	16.53	30.00
	5785	13.89	13.84	16.88	30.00
	5825	14.50	14.33	17.43	30.00
802.11n-HT40	5755	12.85	12.59	15.73	30.00
	5795	13.13	13.04	16.10	30.00
802.11ac-VHT20	5745	13.59	13.40	16.51	30.00
	5785	13.90	13.74	16.83	30.00
	5825	14.36	14.34	17.36	30.00
802.11ac-VHT40	5755	12.81	12.53	15.68	30.00
	5795	13.14	13.14	16.15	30.00
802.11ac-VHT80	5775	12.10	12.00	15.06	30.00

ANT 1
5150-5250MHz

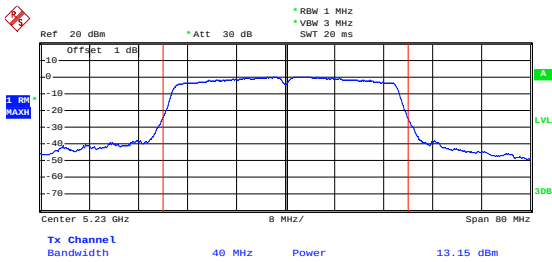
802.11a-Low	 Date: 25.OCT.2024 09:19:08
802.11a-Middle	 Date: 25.OCT.2024 09:20:10
802.11a-High	 Date: 25.OCT.2024 09:20:56

802.11n-HT20-Low	 Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.18 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.24 dBm Date: 25.OCT.2024 09:22:53
802.11n-HT20-Middle	 Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.2 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.43 dBm Date: 25.OCT.2024 09:23:29
802.11n-HT20-High	 Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.24 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.18 dBm Date: 25.OCT.2024 09:23:54

802.11n-HT40-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.19 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.58 dBm 1 RBW MAX LVL 30B Date: 25.OCT.2024 09:27:02
802.11n-HT40-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.23 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 13.11 dBm 1 RBW MAX LVL 30B Date: 25.OCT.2024 09:27:42
802.11ac-VHT20-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.18 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.28 dBm 1 RBW MAX LVL 30B Date: 25.OCT.2024 09:24:31

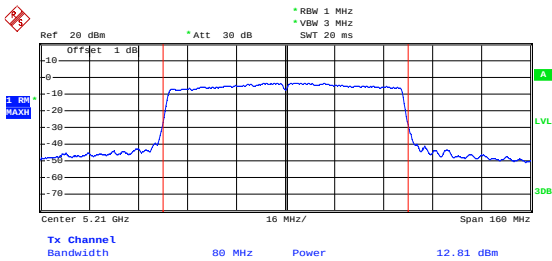
802.11ac-VHT20-Middle	 Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SMT 20 ms Offset 1 dB 1 RBW MAX Center 5.2 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.43 dBm A LVL 30B Date: 25.OCT.2024 09:25:04
802.11ac-VHT20-High	 Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SMT 20 ms Offset 1 dB 1 RBW MAX Center 5.24 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.16 dBm A LVL 30B Date: 25.OCT.2024 09:25:31
802.11ac-VHT40-Low	 Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SMT 20 ms Offset 1 dB 1 RBW MAX Center 5.19 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.46 dBm A LVL 30B Date: 25.OCT.2024 09:28:17

802.11ac-VHT40-High



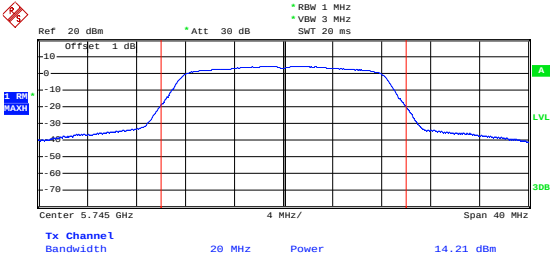
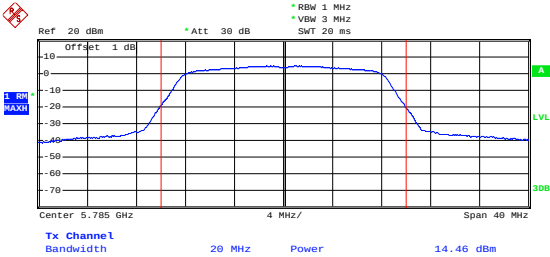
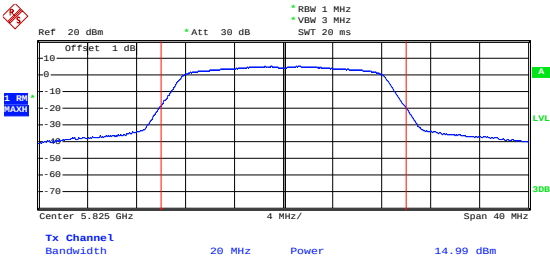
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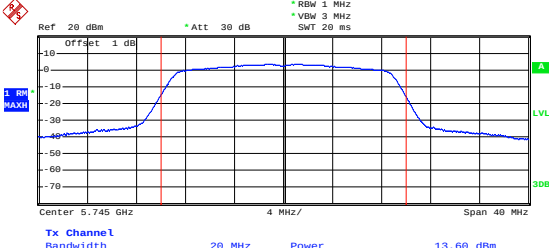
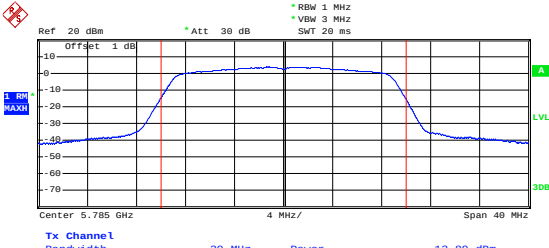
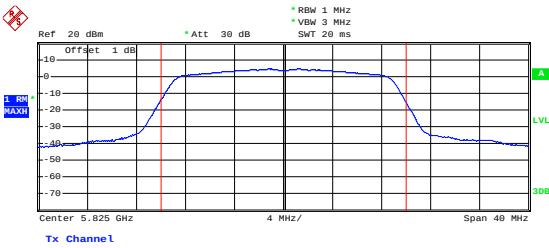
802.11ac-VHT80

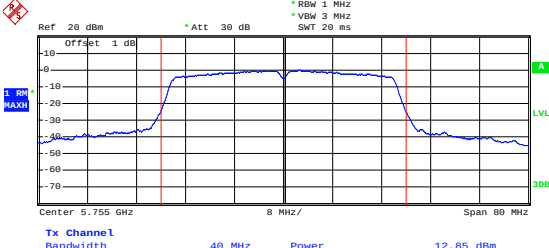
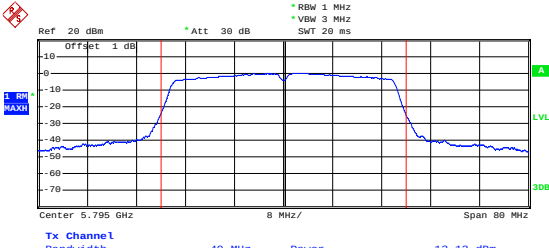
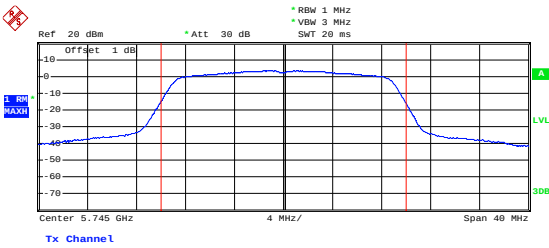


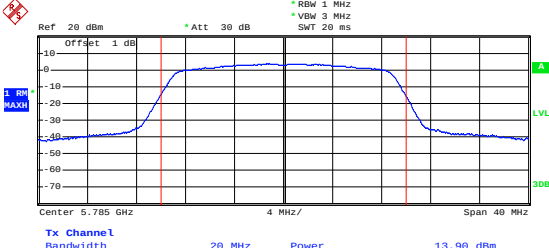
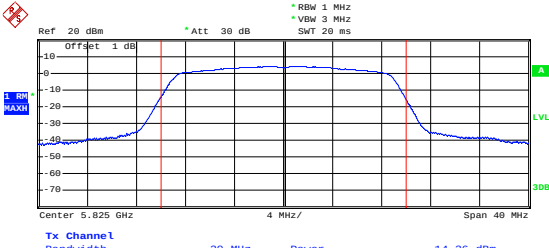
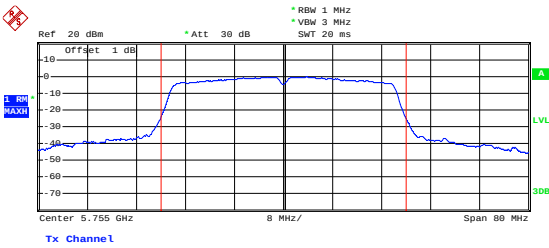
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5725-5850MHz

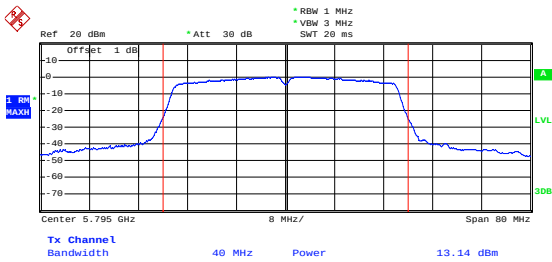
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802.11a-Middle	 Date: 25.OCT.2024 11:09:50
802.11a-High	 Date: 25.OCT.2024 11:10:22

802.11n-HT20-Low	 Date: 25.OCT.2024 11:11:24
802.11n-HT20-Middle	 Date: 25.OCT.2024 11:11:49
802.11n-HT20-High	 Date: 25.OCT.2024 11:12:30

802.11n-HT40-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.755 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.85 dBm Date: 25.OCT.2024 11:14:20
802.11n-HT40-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.795 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 13.13 dBm Date: 25.OCT.2024 11:14:44
802.11ac-VHT20-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.745 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.59 dBm Date: 25.OCT.2024 11:13:03

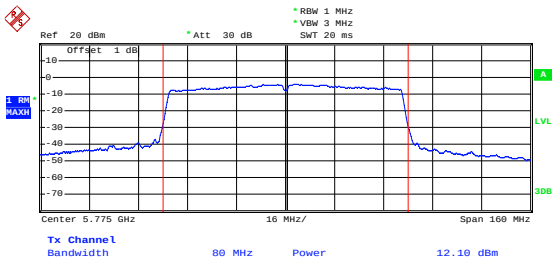
802.11ac-VHT20-Middle	 Ref 20 dBm * Att 30 dB RBW 1 MHz Offset 1 dB VBW 3 MHz SMT 20 ms Center 5.785 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.98 dBm Date: 25.OCT.2024 11:13:21
802.11ac-VHT20-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz Offset 1 dB VBW 3 MHz SMT 20 ms Center 5.825 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.36 dBm Date: 25.OCT.2024 11:13:41
802.11ac-VHT40-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz Offset 1 dB VBW 3 MHz SMT 20 ms Center 5.755 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.81 dBm Date: 25.OCT.2024 11:15:05

802.11ac-VHT40-High



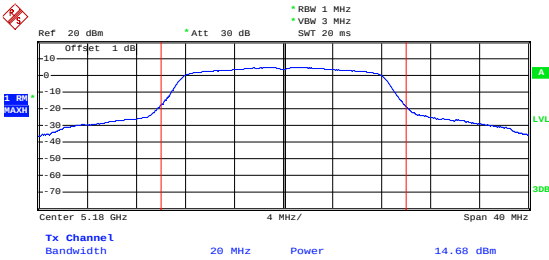
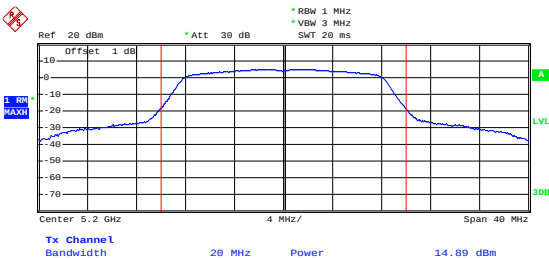
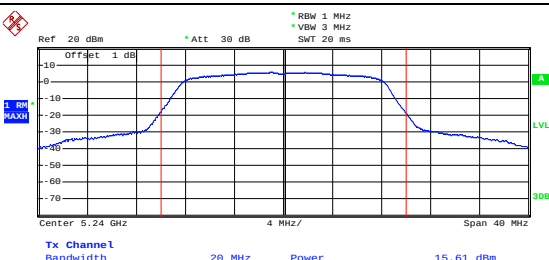
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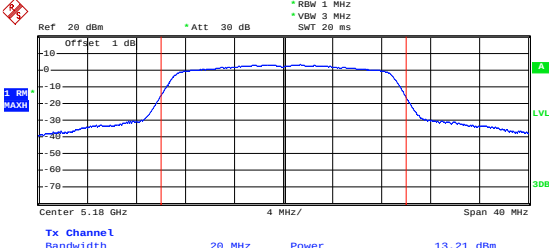
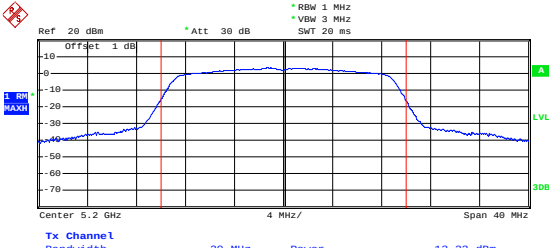
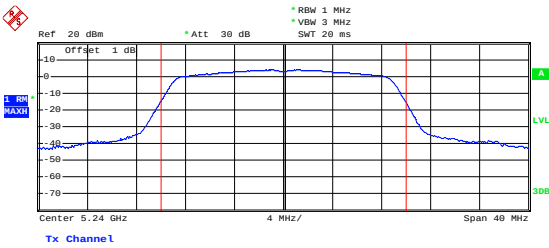
802.11ac-VHT80

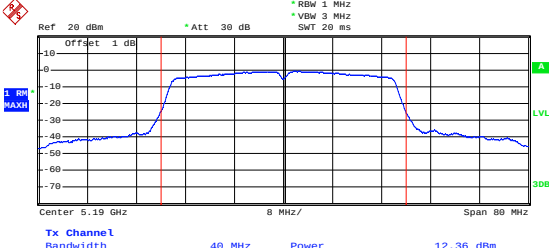
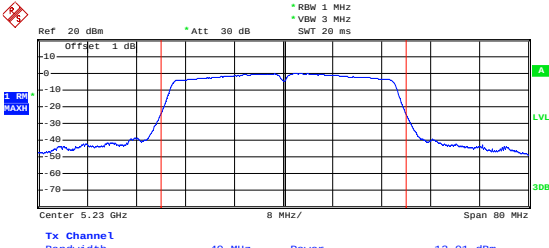
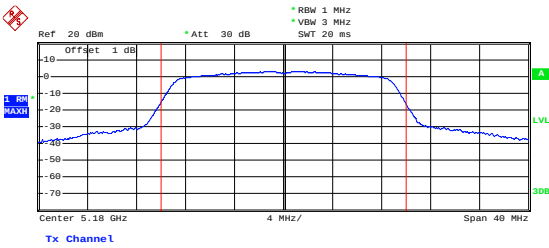


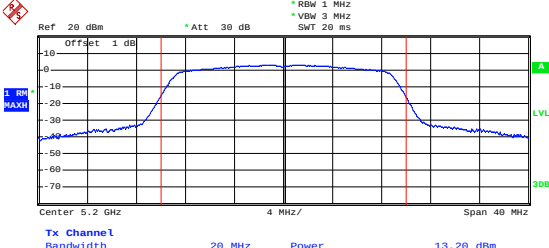
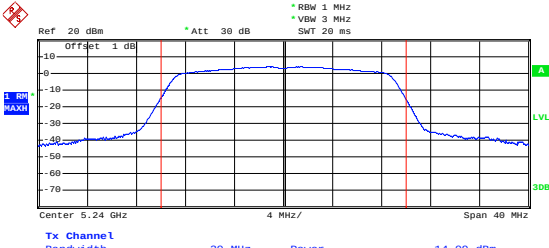
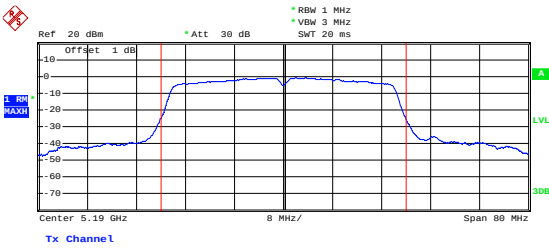
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ANT 2
5150-5250MHz

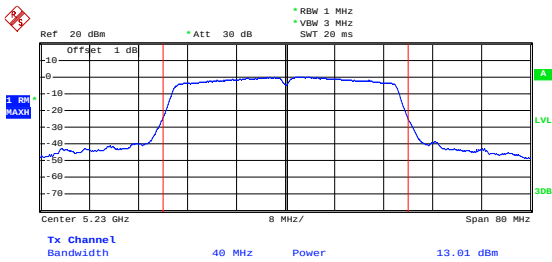
802.11a-Low	 Date: 25.OCT.2024 16:21:21
802.11a-Middle	 Date: 25.OCT.2024 16:22:07
802.11a-High	 Date: 25.OCT.2024 16:22:35

802.11n-HT20-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.18 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.21 dBm Date: 25.OCT.2024 16:23:19
802.11n-HT20-Middle	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.2 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.23 dBm Date: 25.OCT.2024 16:23:39
802.11n-HT20-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.24 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.05 dBm Date: 25.OCT.2024 16:24:00

802.11n-HT40-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.19 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.36 dBm Date: 25.OCT.2024 16:25:36
802.11n-HT40-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.23 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 13.01 dBm Date: 25.OCT.2024 16:25:58
802.11ac-VHT20-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.18 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.16 dBm Date: 25.OCT.2024 16:24:19

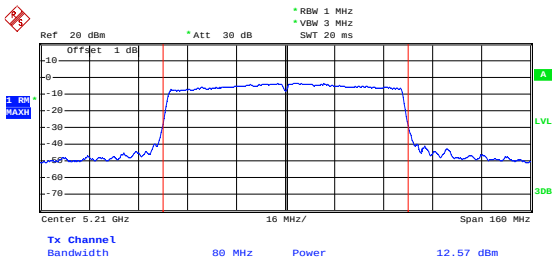
802.11ac-VHT20-Middle	 Ref 20 dBm * Att 39 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.2 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.20 dBm Date: 25.OCT.2024 16:24:38
802.11ac-VHT20-High	 Ref 20 dBm * Att 39 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.24 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.09 dBm Date: 25.OCT.2024 16:24:57
802.11ac-VHT40-Low	 Ref 20 dBm * Att 39 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.19 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.28 dBm Date: 25.OCT.2024 16:26:19

802.11ac-VHT40-High



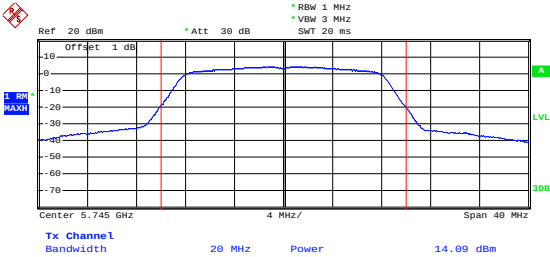
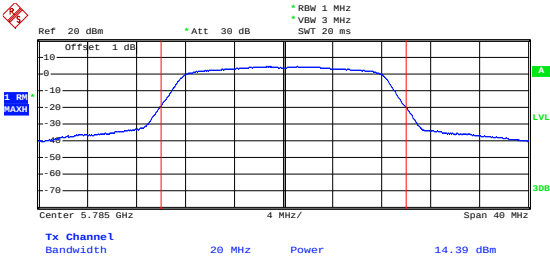
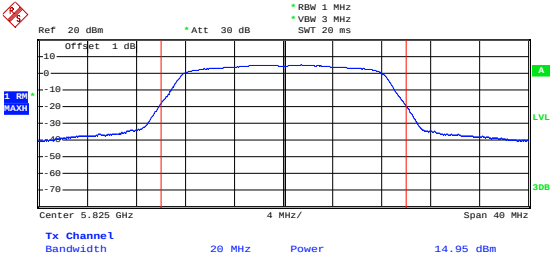
Date: 25.OCT.2024 16:26:41

802.11ac-VHT80

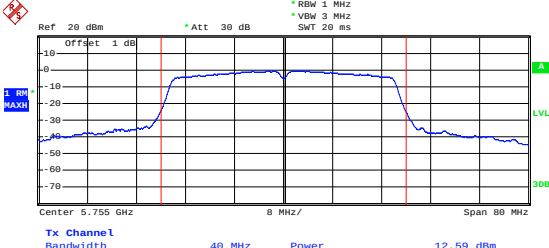
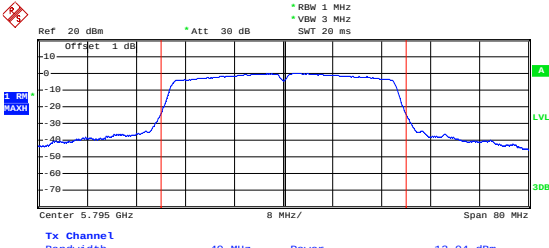
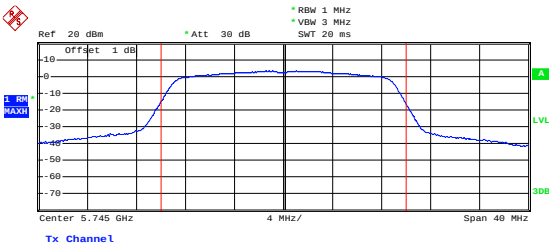


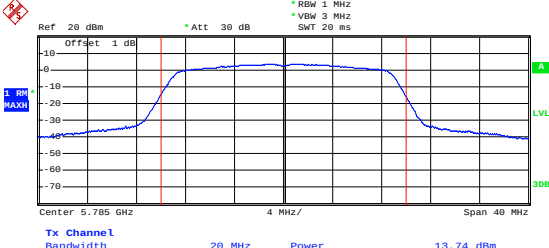
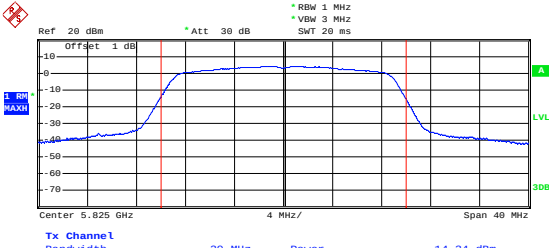
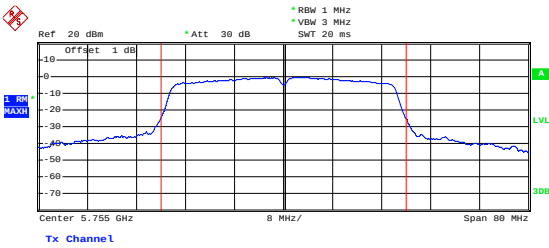
Date: 25.OCT.2024 16:27:28

5725-5850MHz

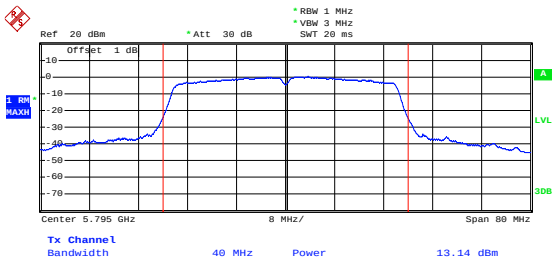
802.11a-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Offset 1 dB Center 5.745 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.09 dBm Date: 25.OCT.2024 14:56:41
802.11a-Middle	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Offset 1 dB Center 5.785 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.39 dBm Date: 25.OCT.2024 14:57:17
802.11a-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Offset 1 dB Center 5.825 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 14.95 dBm Date: 25.OCT.2024 14:57:48

802.11n-HT20-Low	
802.11n-HT20-Middle	
802.11n-HT20-High	

802.11n-HT40-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.755 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 12.59 dBm Date: 25.OCT.2024 15:01:36
802.11n-HT40-High	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.795 GHz 8 MHz/ Span 80 MHz Tx Channel Bandwidth 40 MHz Power 13.04 dBm Date: 25.OCT.2024 15:02:03
802.11ac-VHT20-Low	 Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SMT 20 ms Offset 1 dB Center 5.745 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.40 dBm Date: 25.OCT.2024 14:59:59

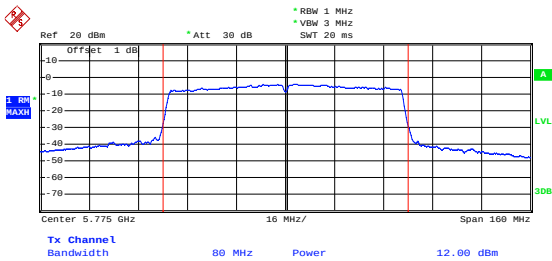
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802.11ac-VHT20-High	 Date: 25.OCT.2024 15:00:43
802.11ac-VHT40-Low	 Date: 25.OCT.2024 15:02:31

802.11ac-VHT40-High



Date: 25.OCT.2024 15:02:56

802.11ac-VHT80



Date: 25.OCT.2024 15:04:32

APPENDIX D

Frequency Stability

U-NII-1:5150-5250MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	120	-30	495	0.095
100%		-20	501	0.096
100%		-10	496	0.095
100%		0	498	0.096
100%		+10	501	0.096
100%		+20	501	0.096
100%		+30	501	0.096
100%		+40	498	0.096
100%		+50	497	0.096
Low Battery power	102	+20	497	0.096
High Battery power	138	+20	501	0.096

U-NII-1:5725-5850MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	120	-30	496	0.086
100%		-20	505	0.087
100%		-10	503	0.087
100%		0	505	0.087
100%		+10	504	0.087
100%		+20	501	0.087
100%		+30	503	0.087
100%		+40	502	0.087
100%		+50	496	0.086
Low Battery power	102	+20	505	0.087
High Battery power	138	+20	498	0.086

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

***** END OF REPORT *****