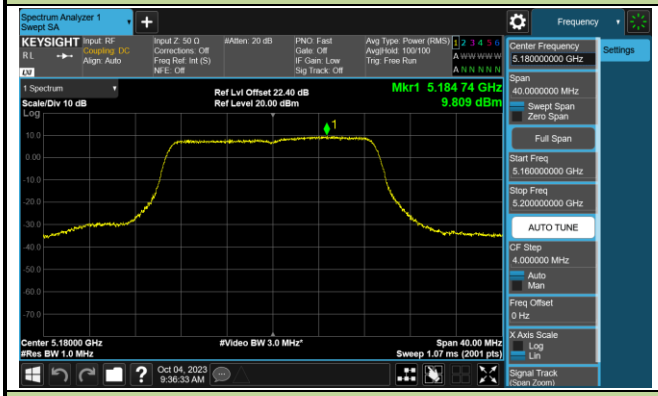
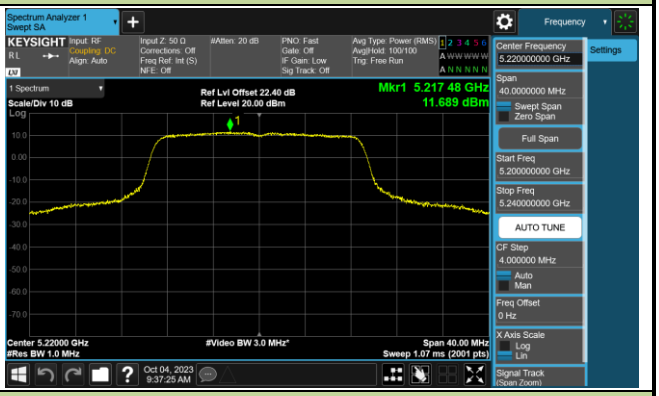
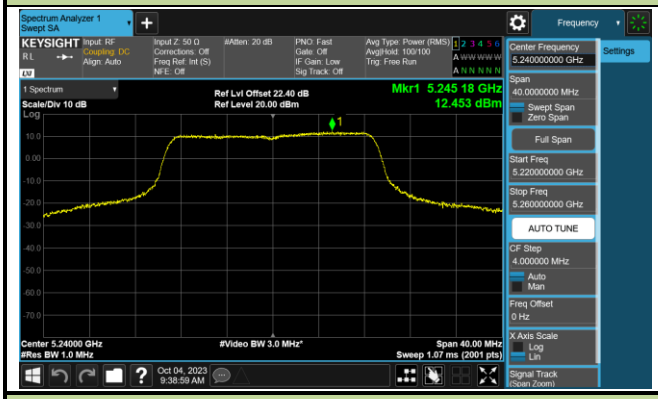
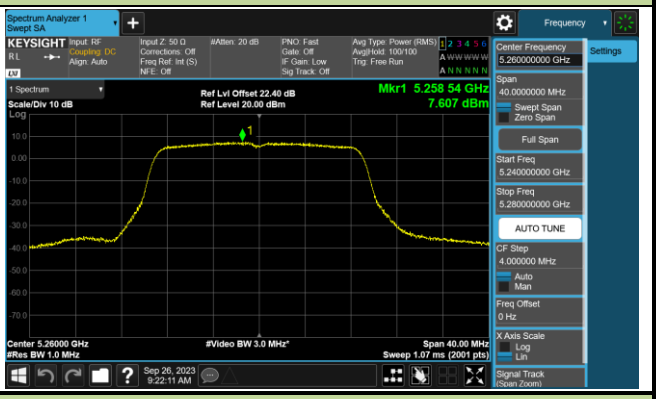
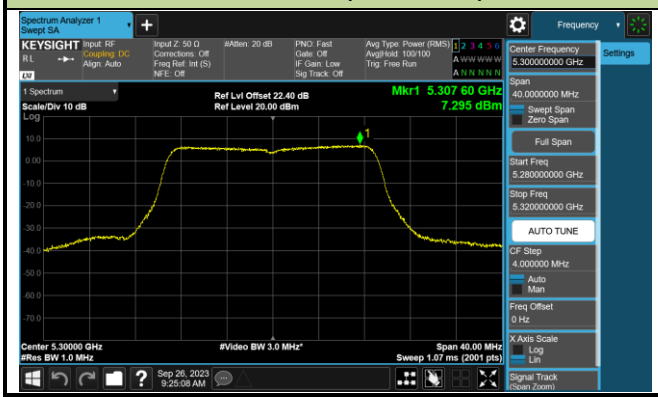
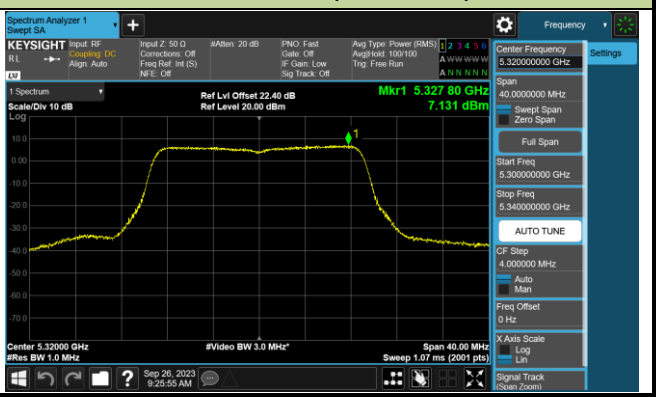
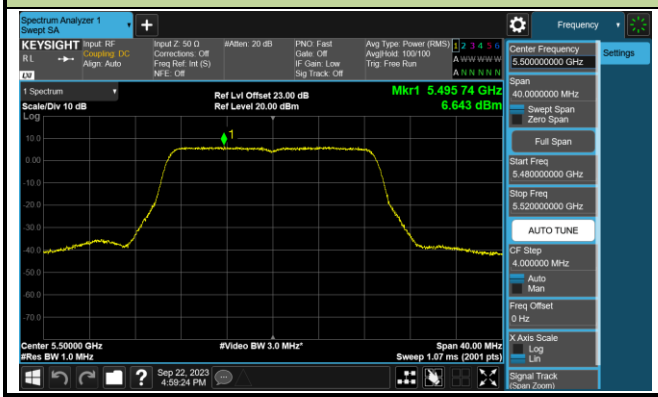
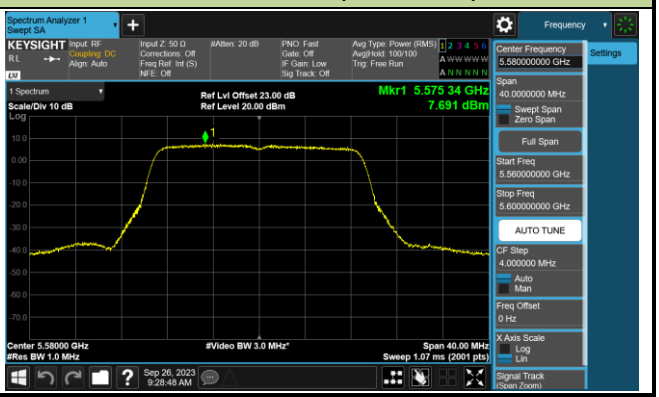
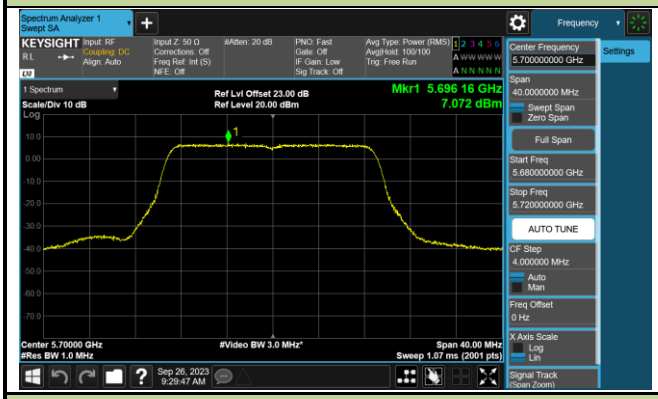
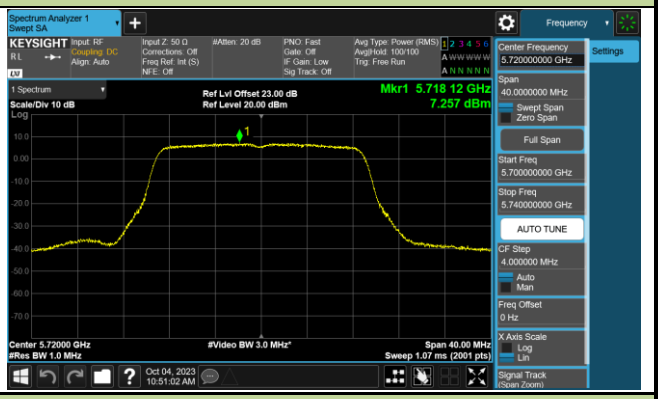
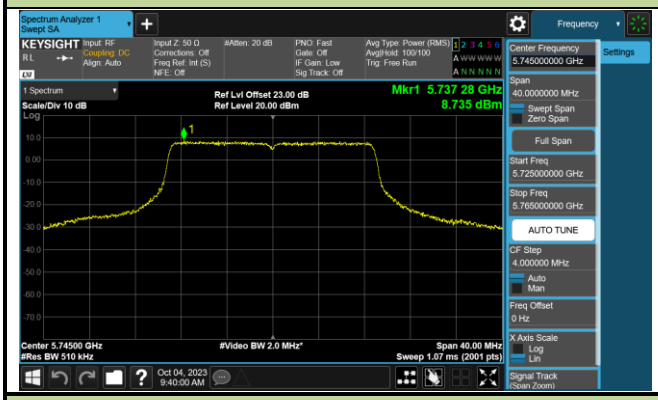
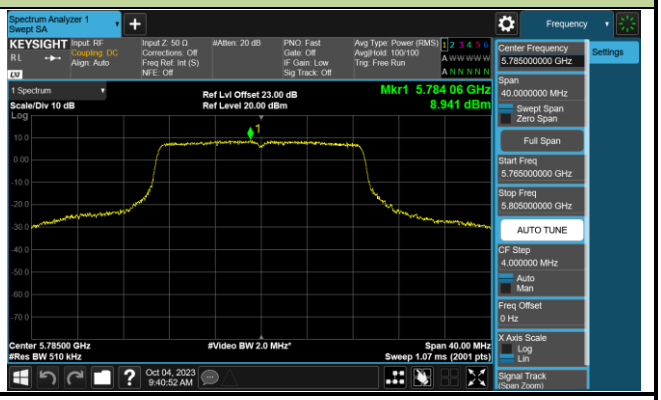
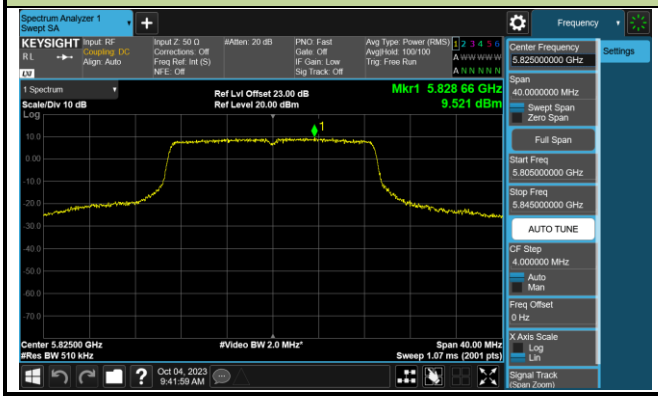
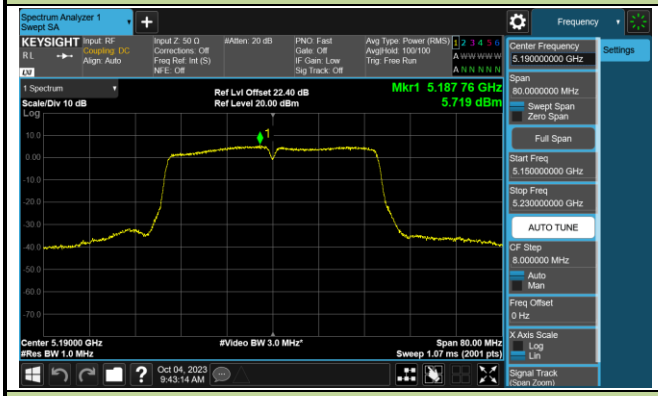
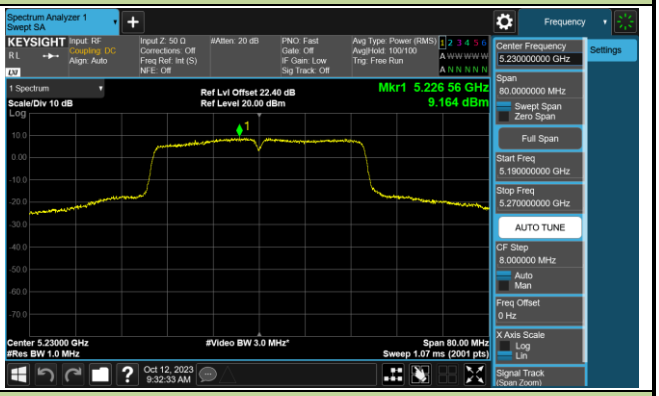
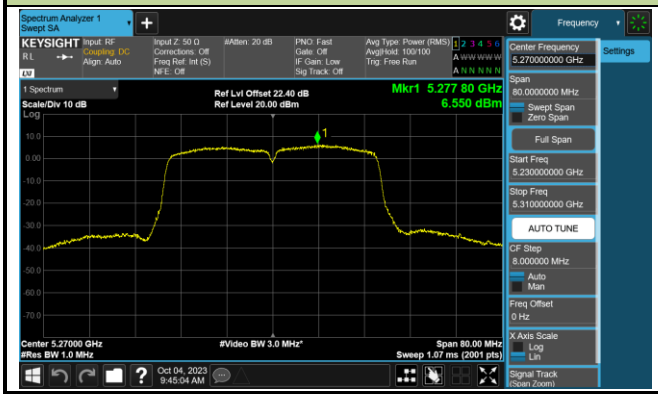
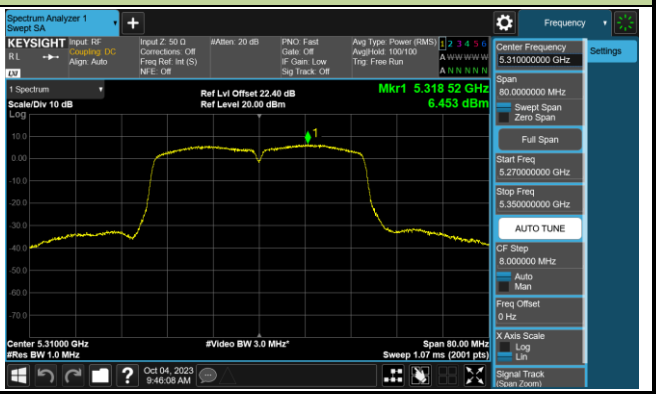
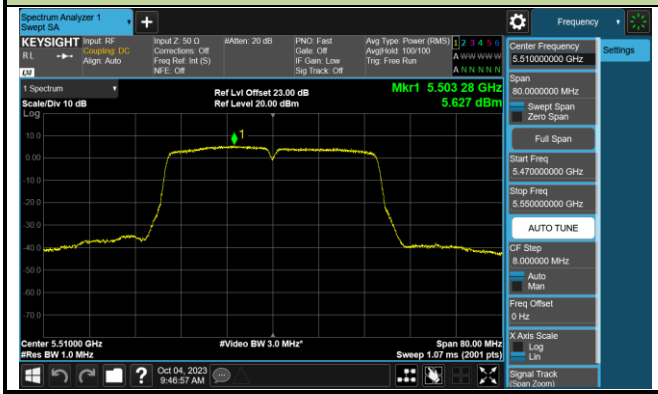
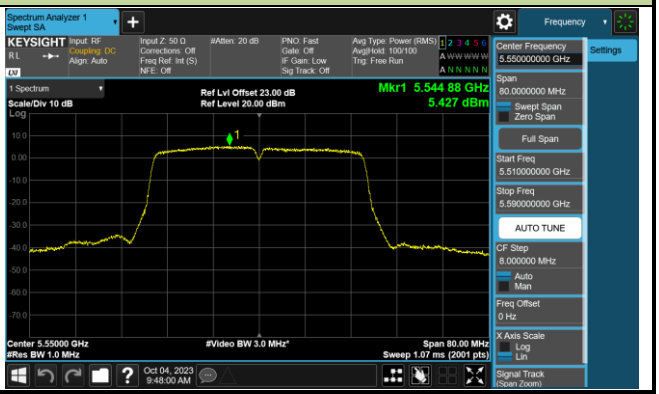
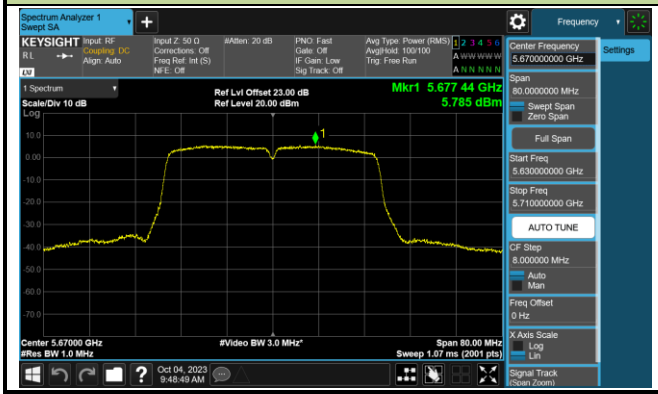
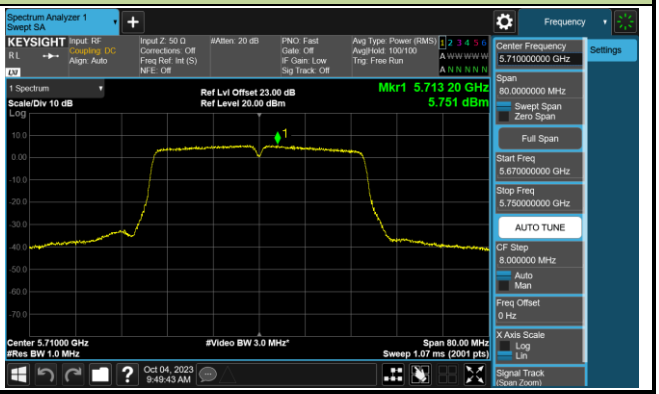
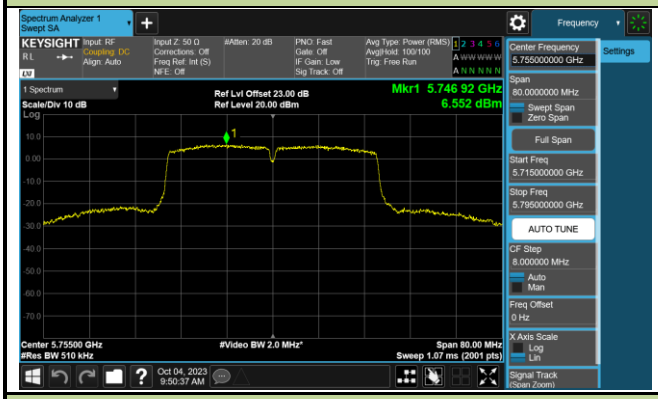
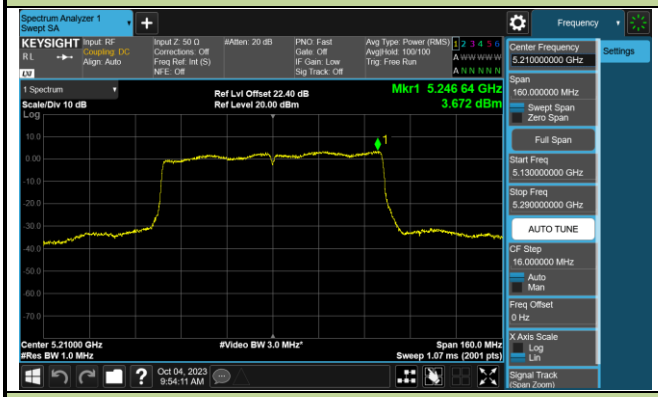
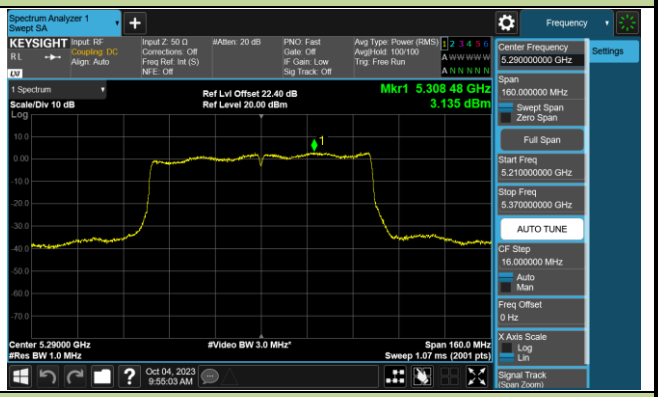
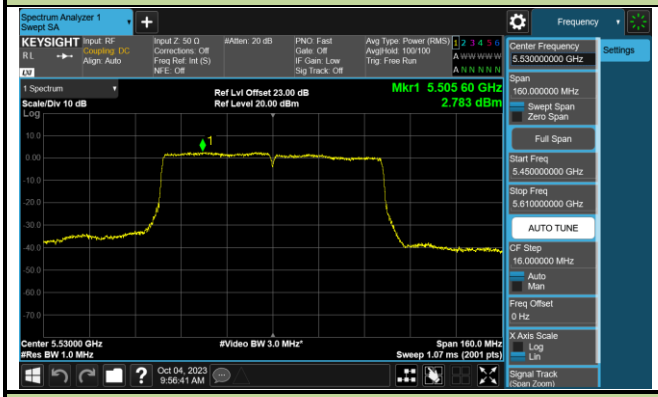
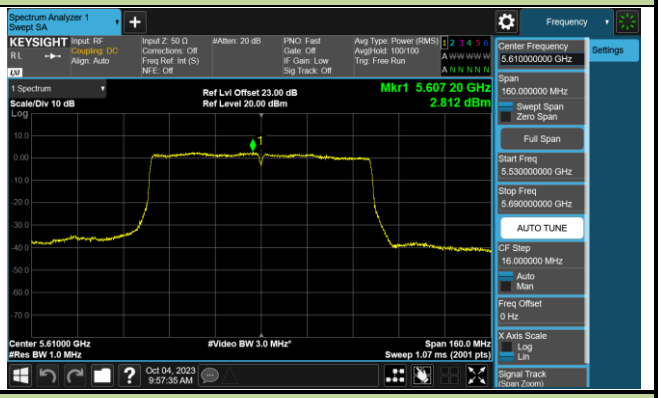
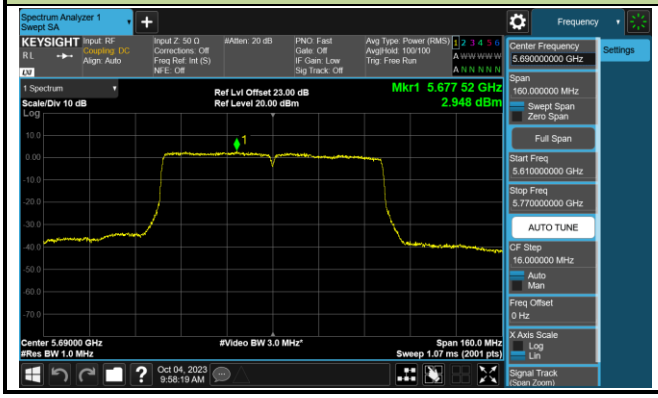
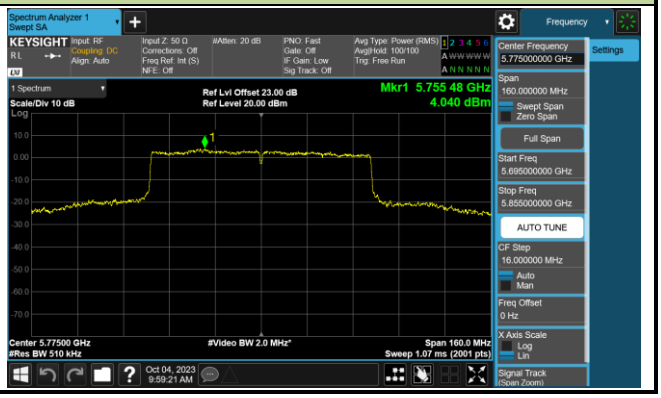
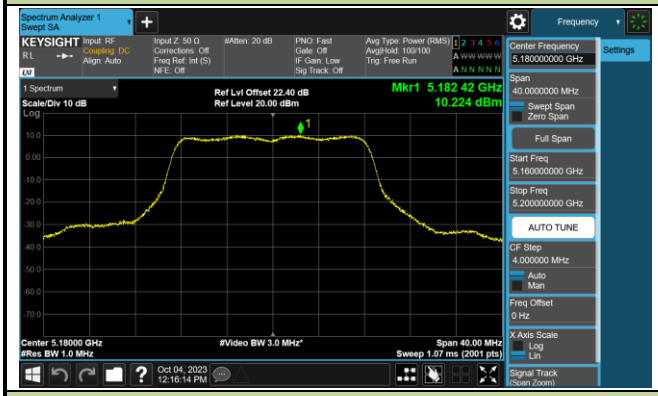
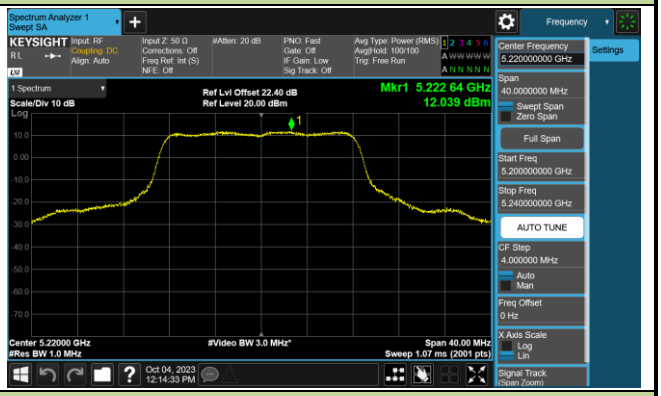
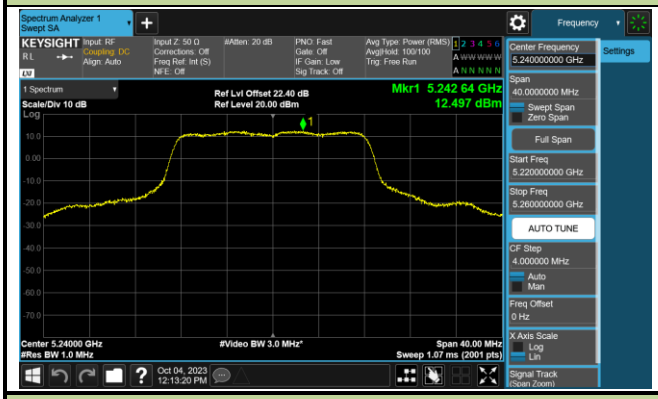
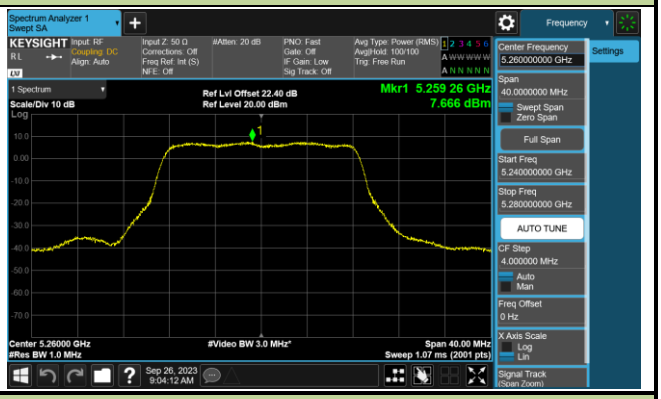
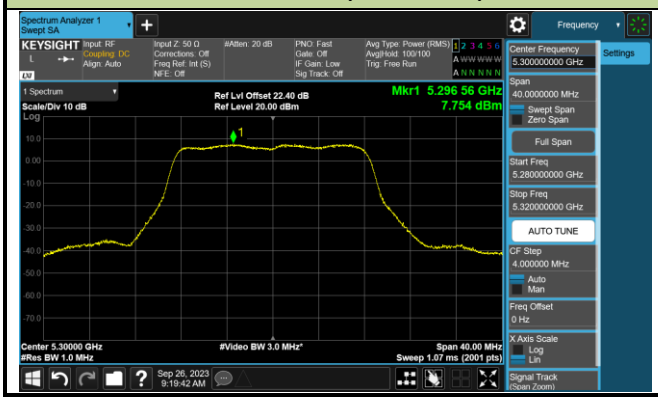
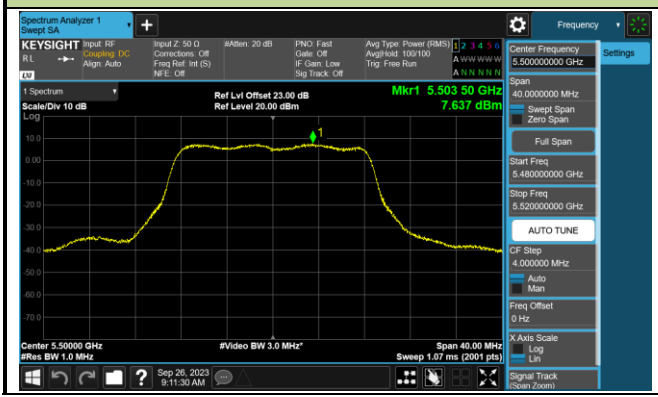
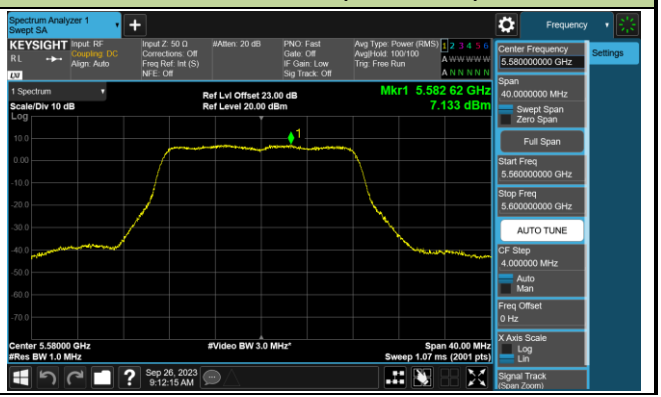
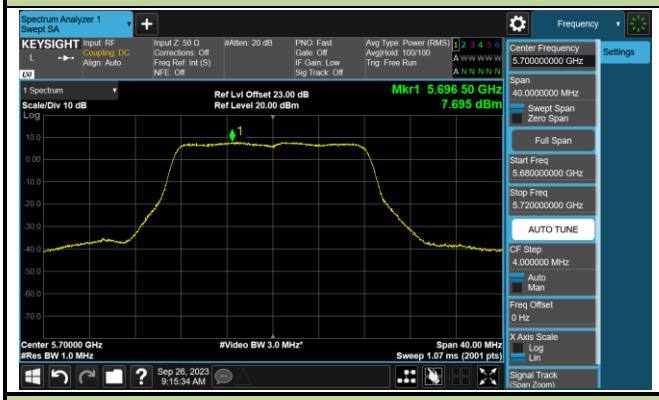
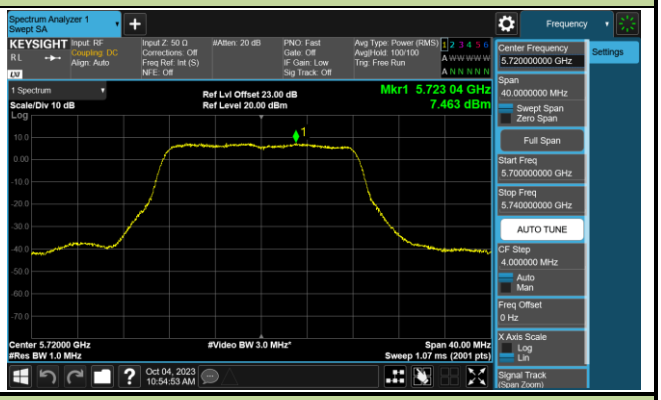
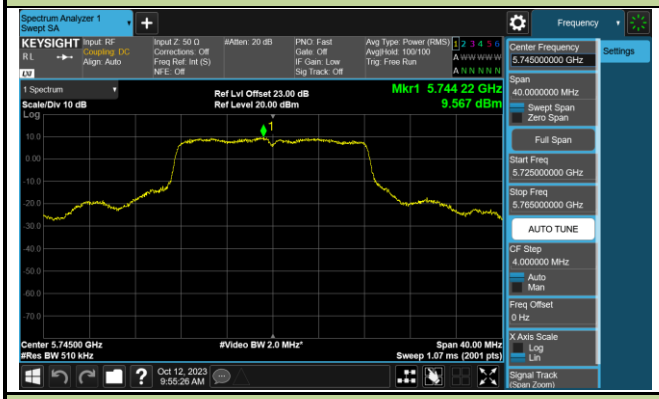
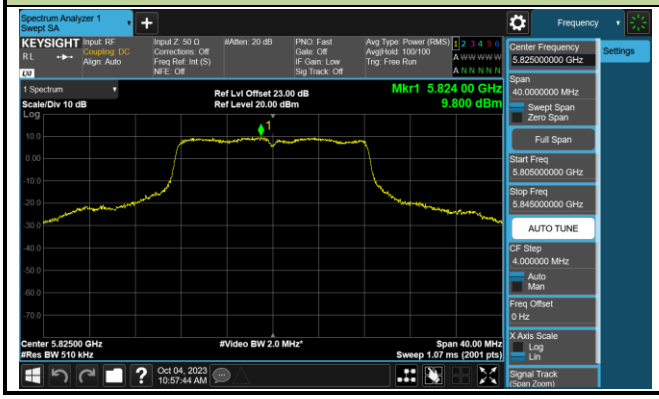
802.11ac-VHT20 Power Spectral Density - Ant 0	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

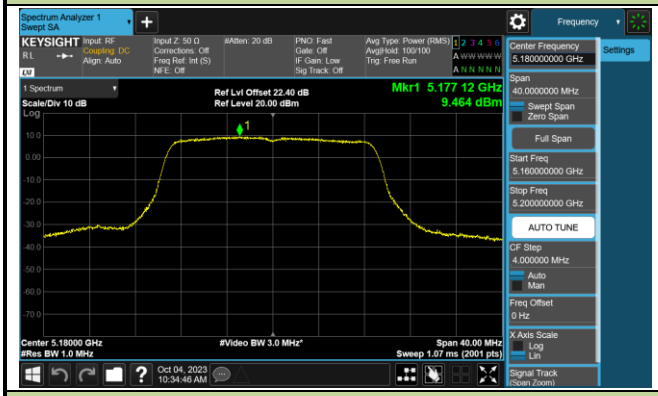
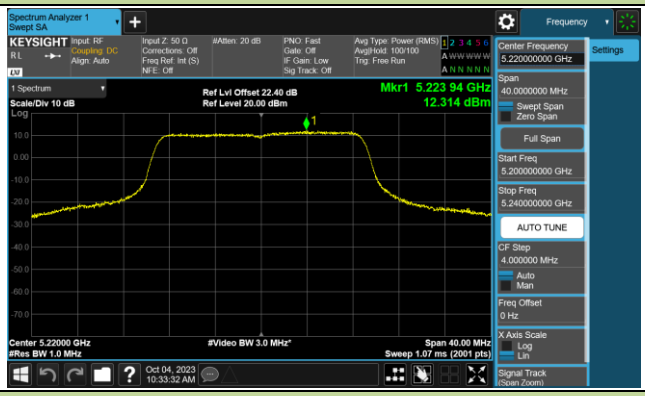
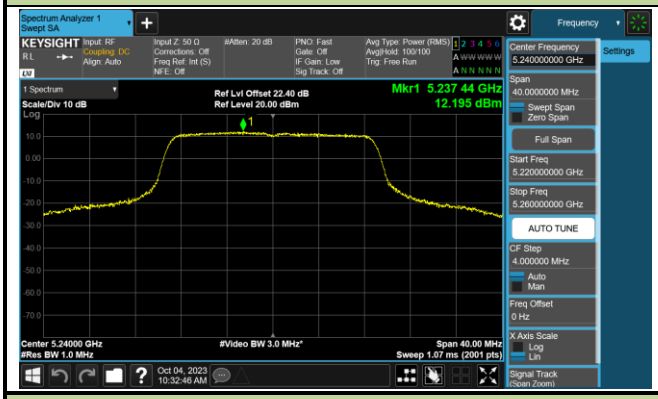
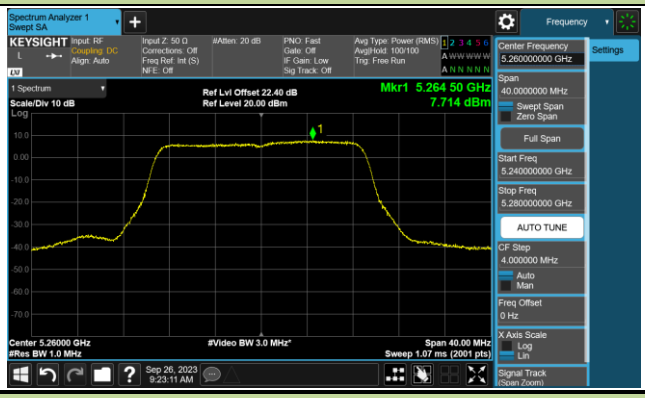
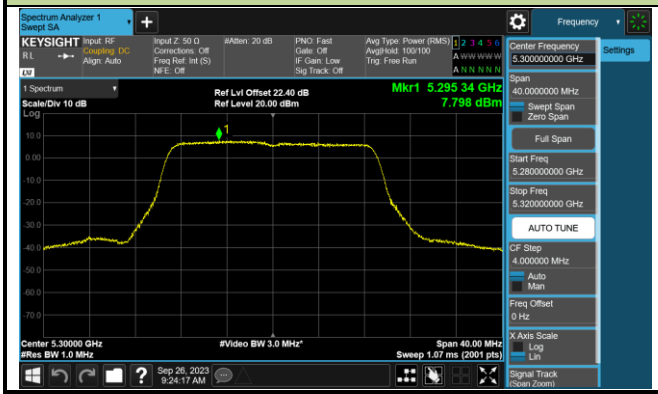
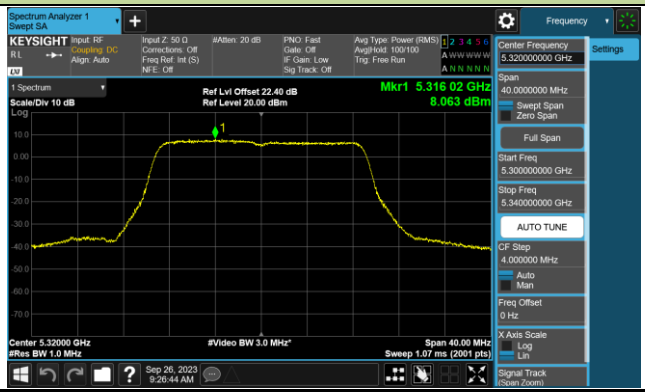
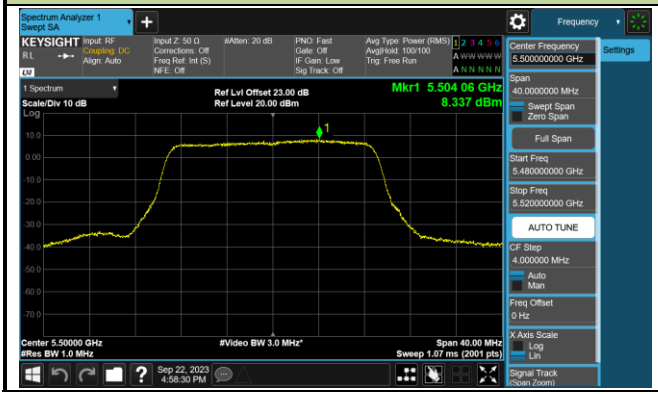
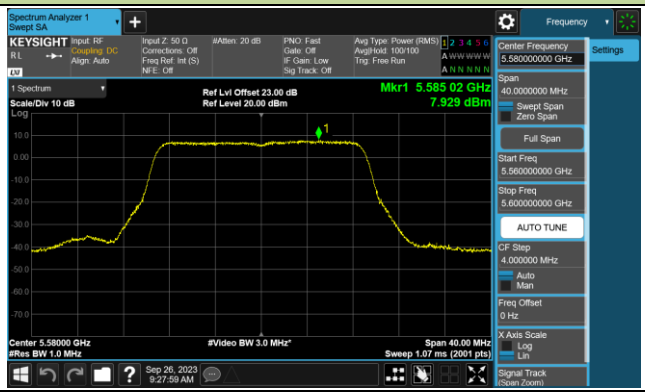
Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

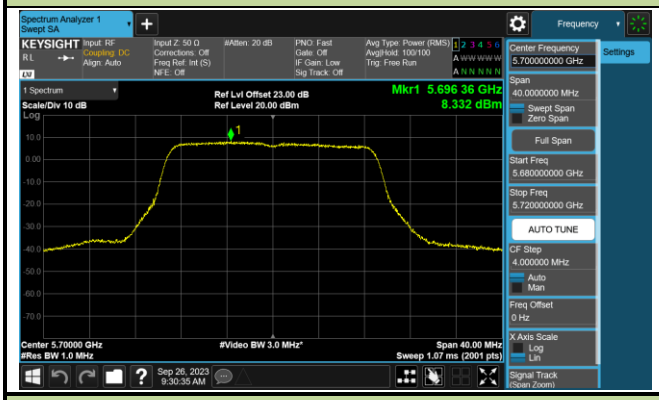
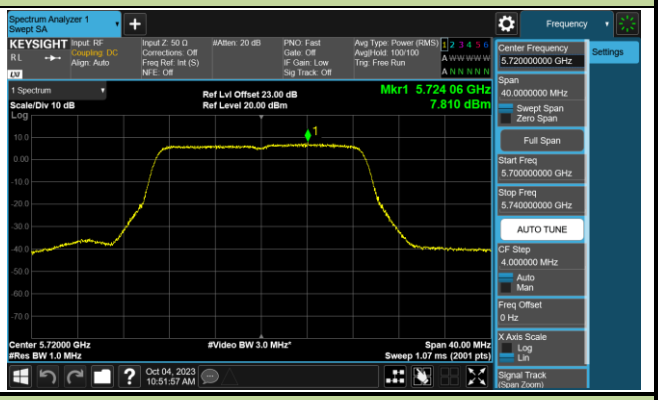
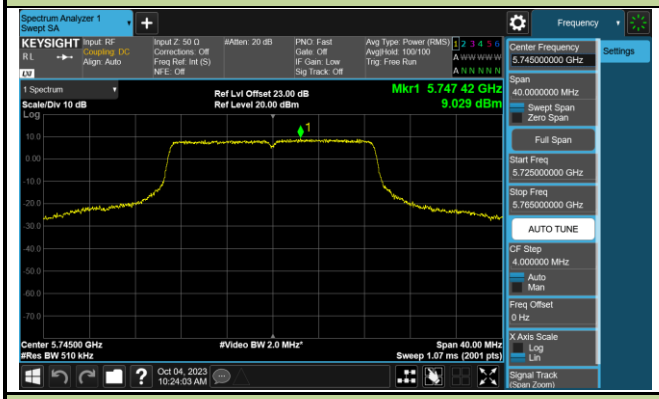
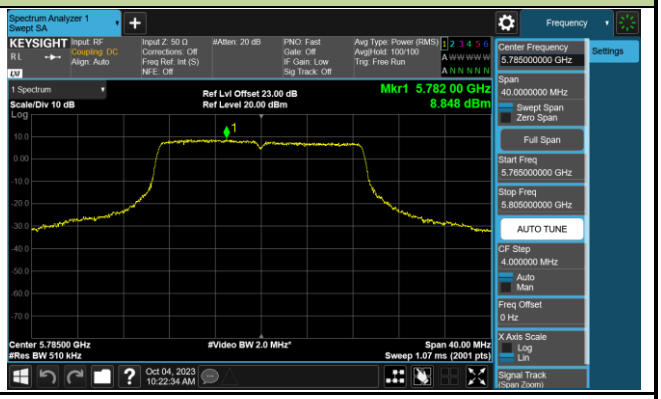
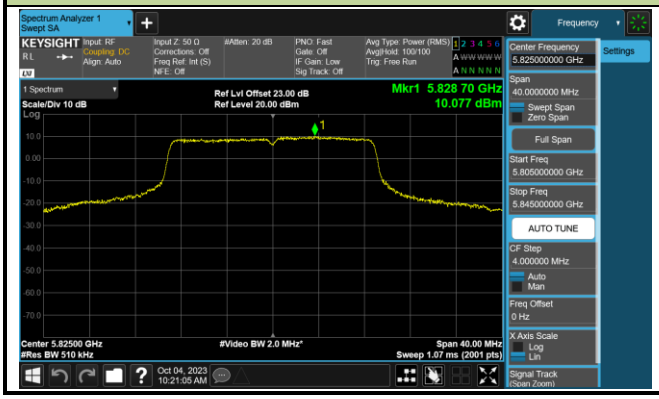
802.11ac-VHT40 Power Spectral Density - Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

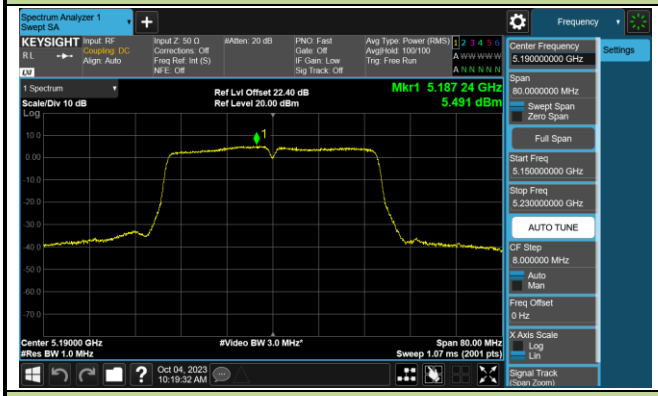
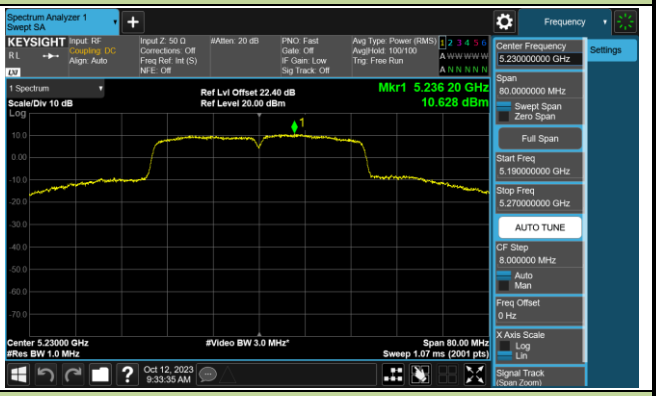
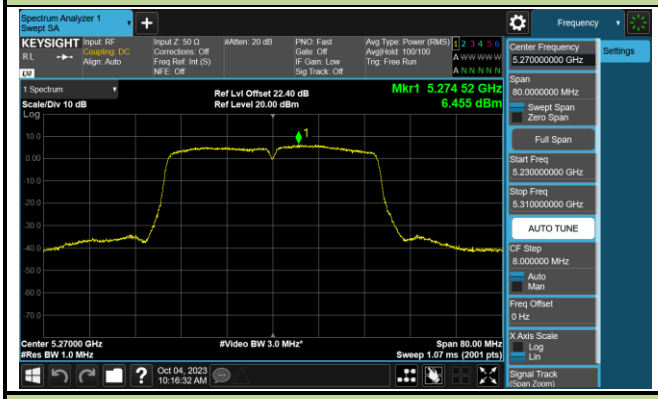
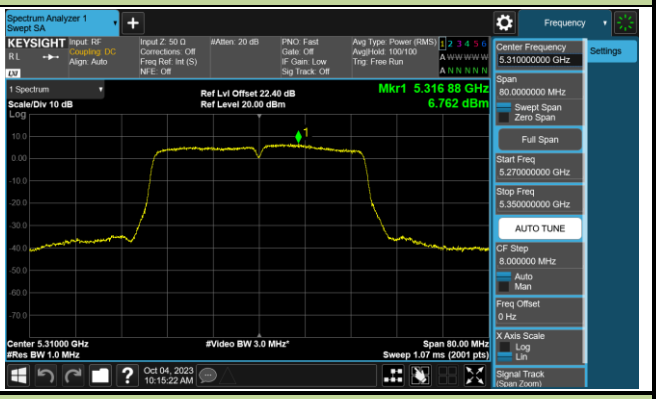
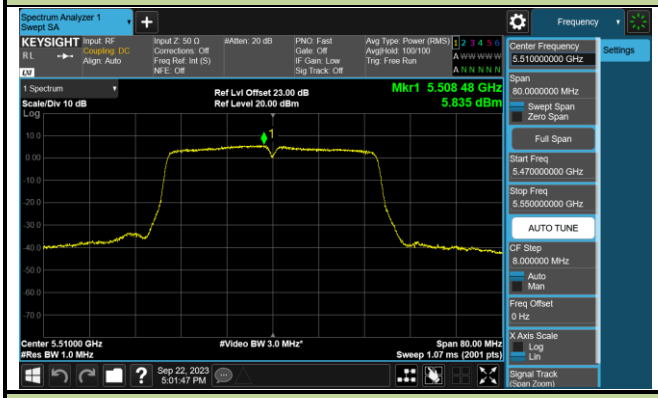
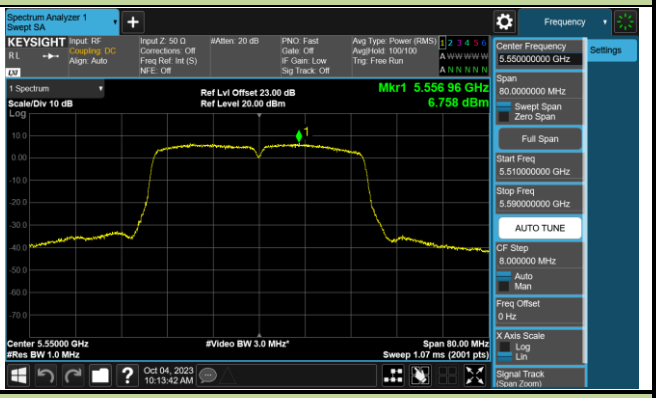
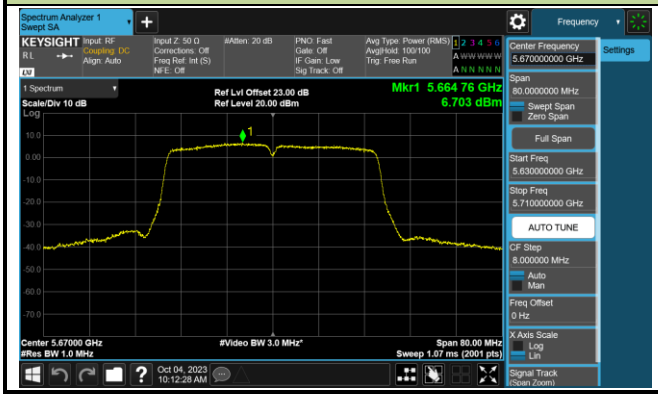
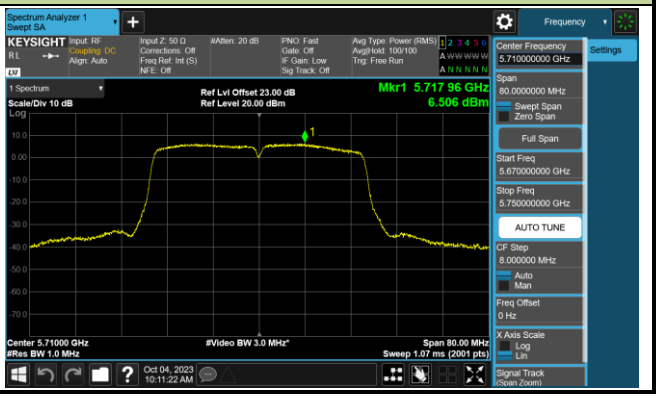
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 Power Spectral Density - Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

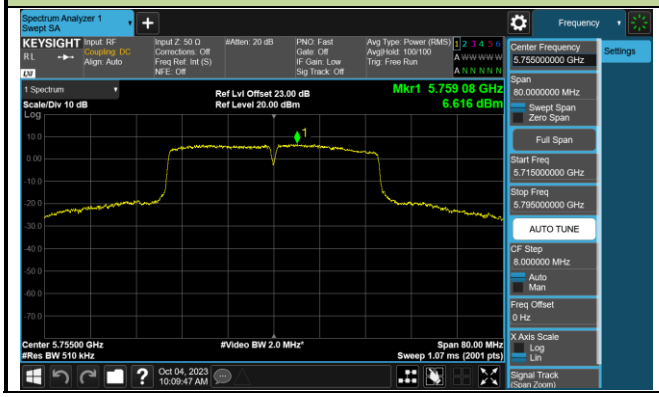
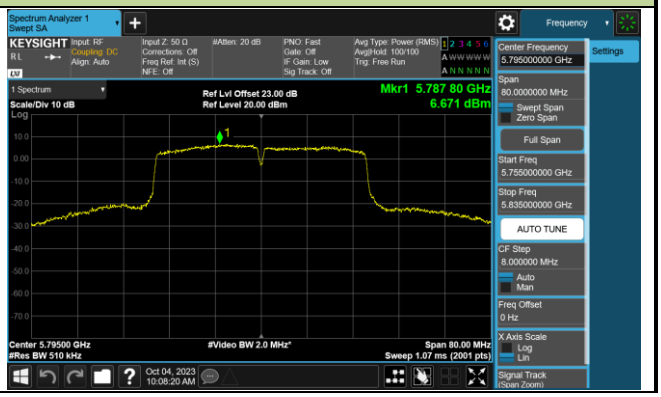
802.11a Power Spectral Density - Ant 1	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

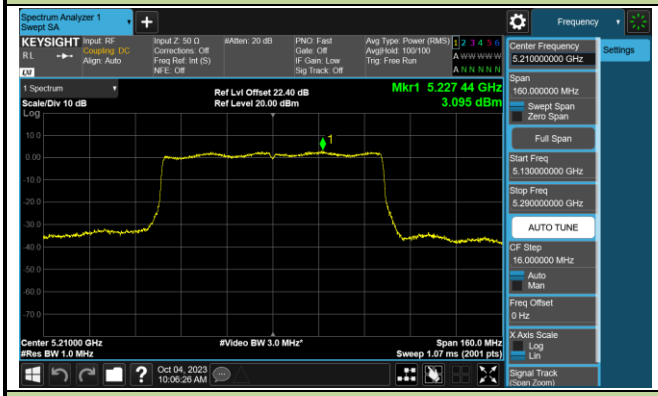
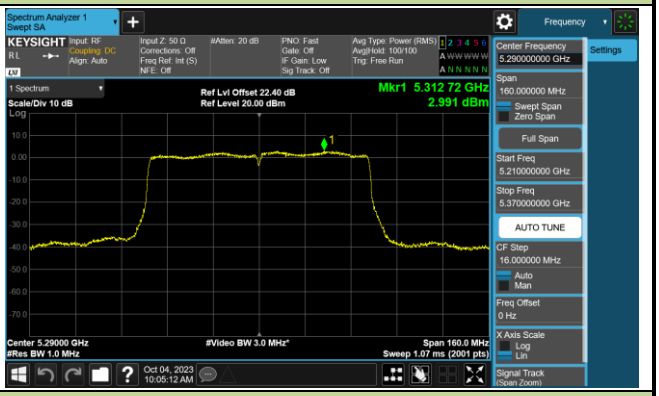
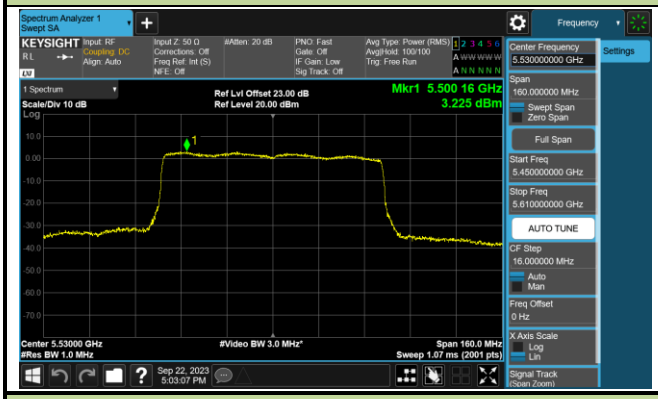
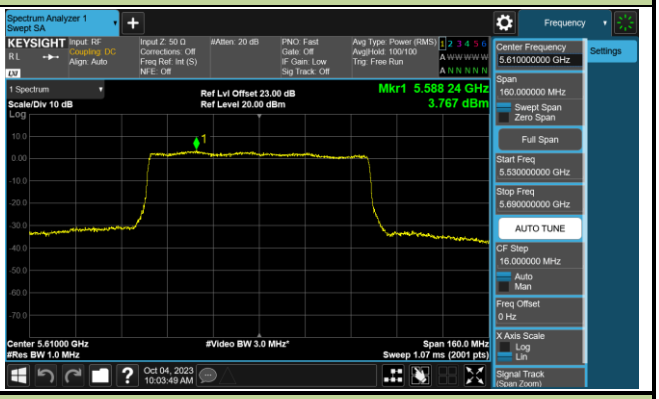
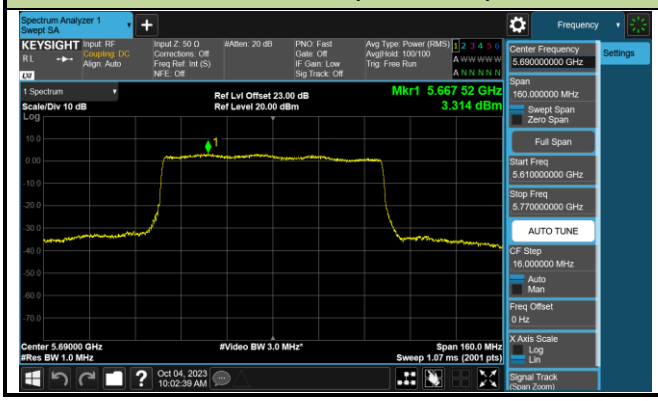
Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 Power Spectral Density - Ant 1	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 Power Spectral Density - Ant 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density - Ant 1	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

7.7. Radiated Spurious Emission Measurement

7.7.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2. Test Procedure Used

KDB 789033 D02v02r01 – Section G

7.7.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
>1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

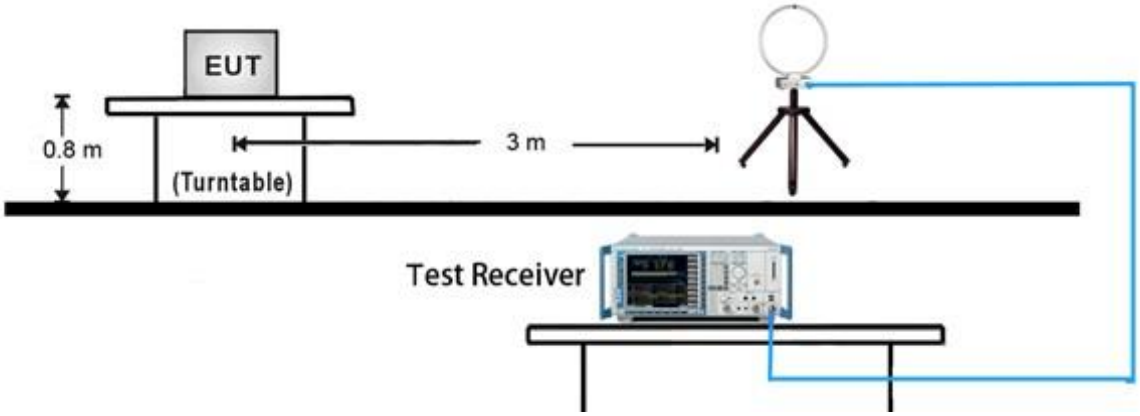
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW;If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

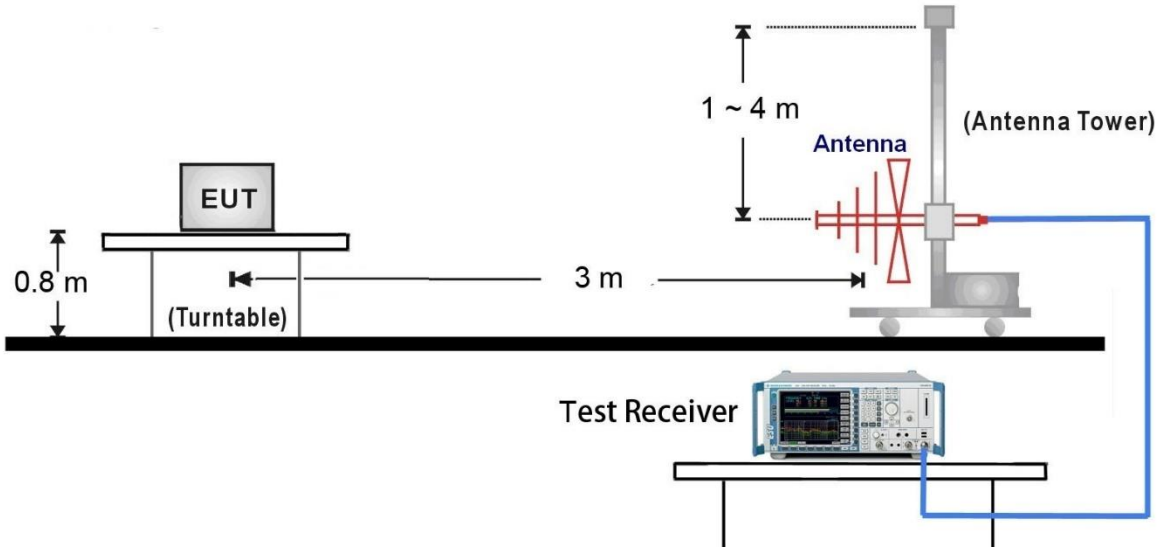
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.7.4.Test Setup

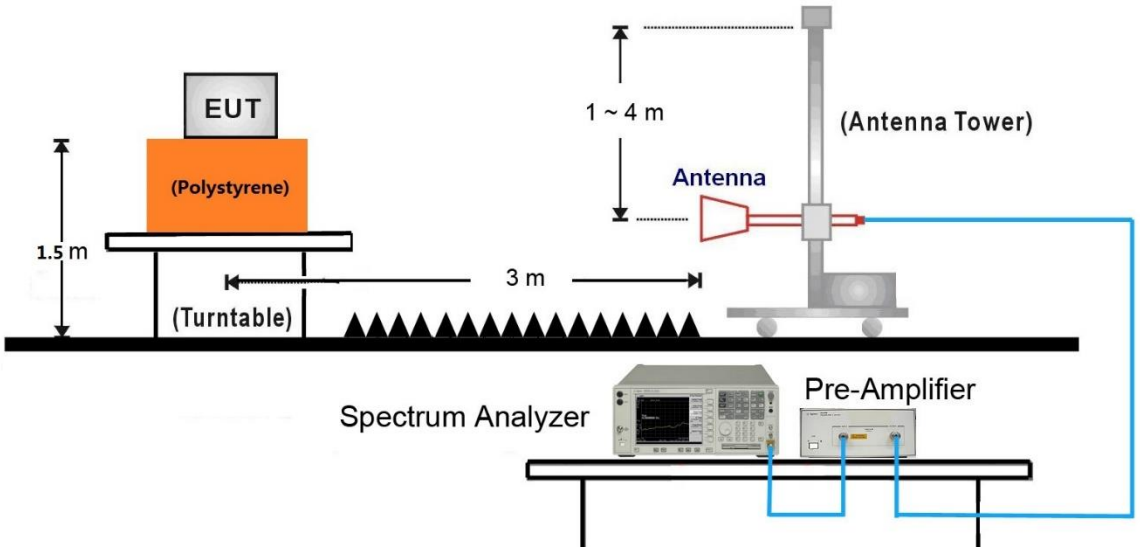
9kHz ~ 30MHz Test Setup:



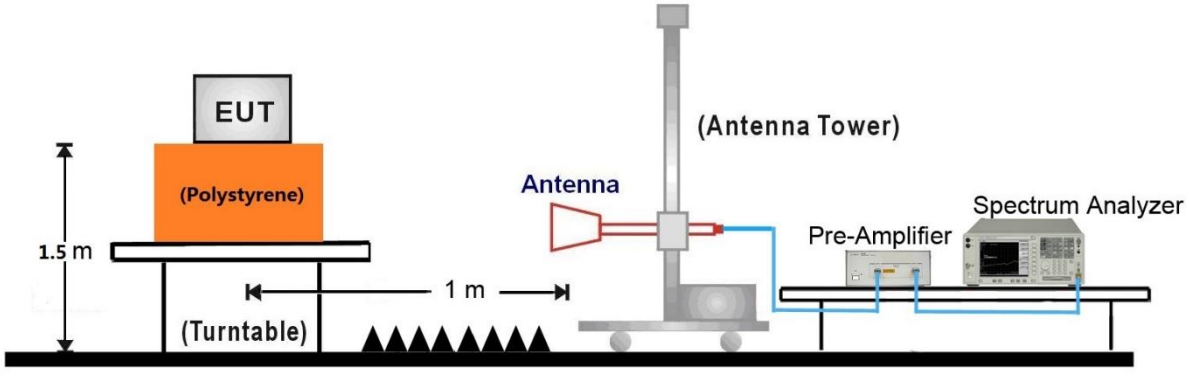
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:

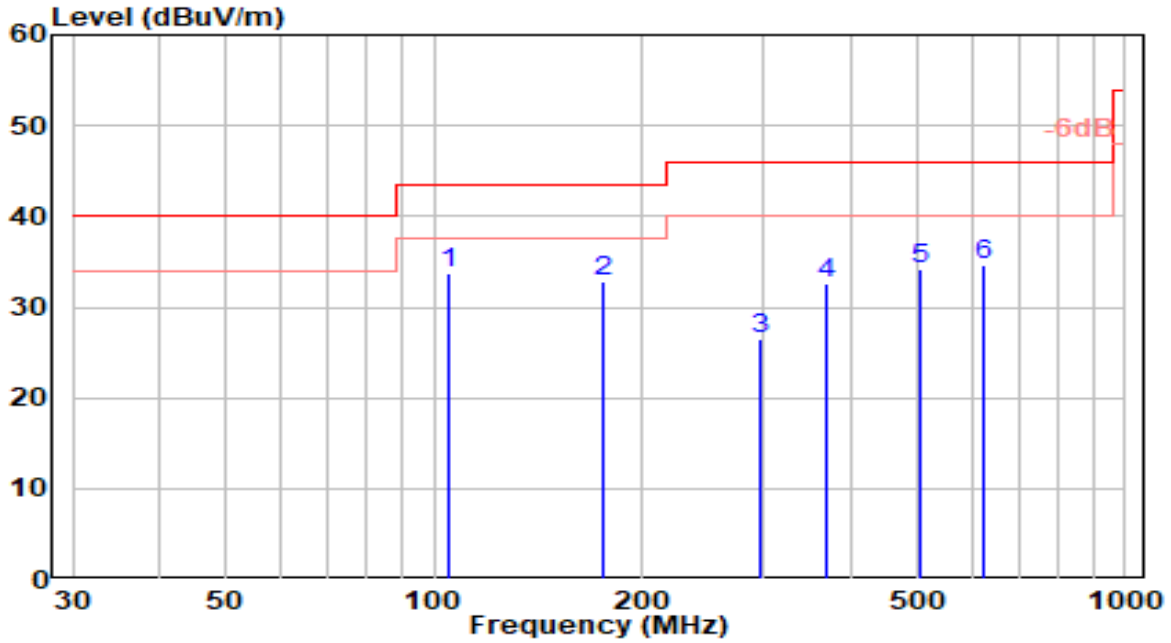


18GHz ~40GHz Test Setup:



7.7.5.Test Result

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-09-26
Factor	VULB 9162	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 44_ANT 0+1+2	Test Voltage	AC 120V/60Hz

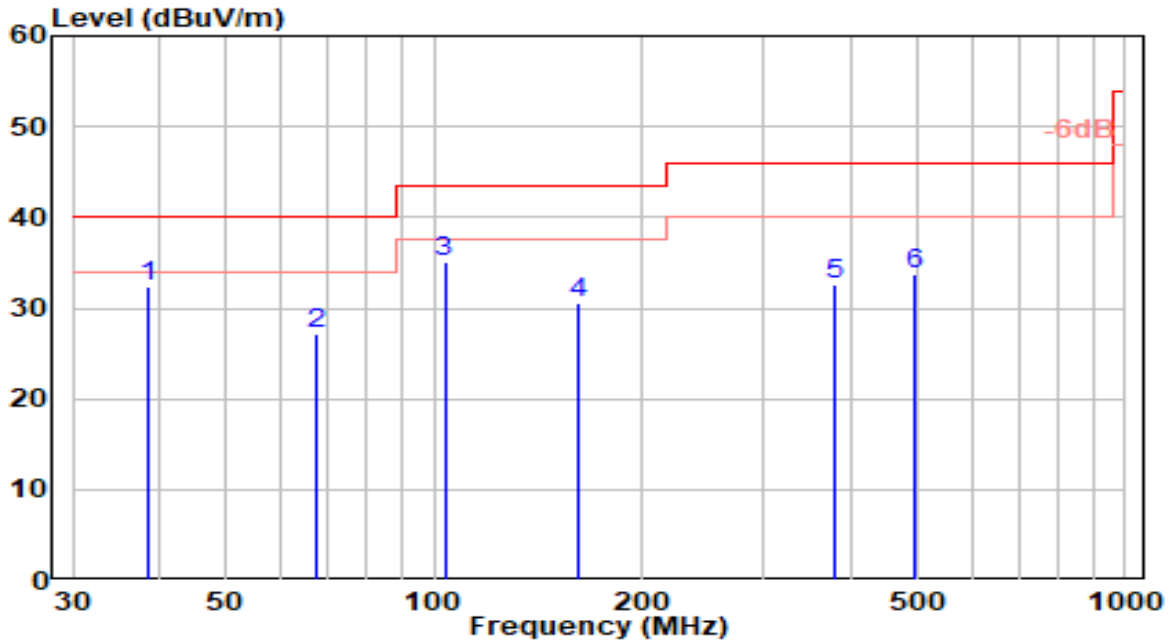


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	104.550	15.54	18.26	33.80	-9.70	43.50	100	338	QP
2		175.300	16.70	16.02	32.72	-10.78	43.50	150	141	QP
3		297.560	6.15	20.45	26.60	-19.40	46.00	100	172	QP
4		370.420	9.93	22.64	32.57	-13.43	46.00	200	150	QP
5		506.200	9.23	24.99	34.22	-11.78	46.00	100	11	QP
6		622.230	7.66	26.92	34.58	-11.42	46.00	200	84	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-09-26
Factor	VULB 9162	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 44_ANT 0+1+2	Test Voltage	AC 120V/60Hz

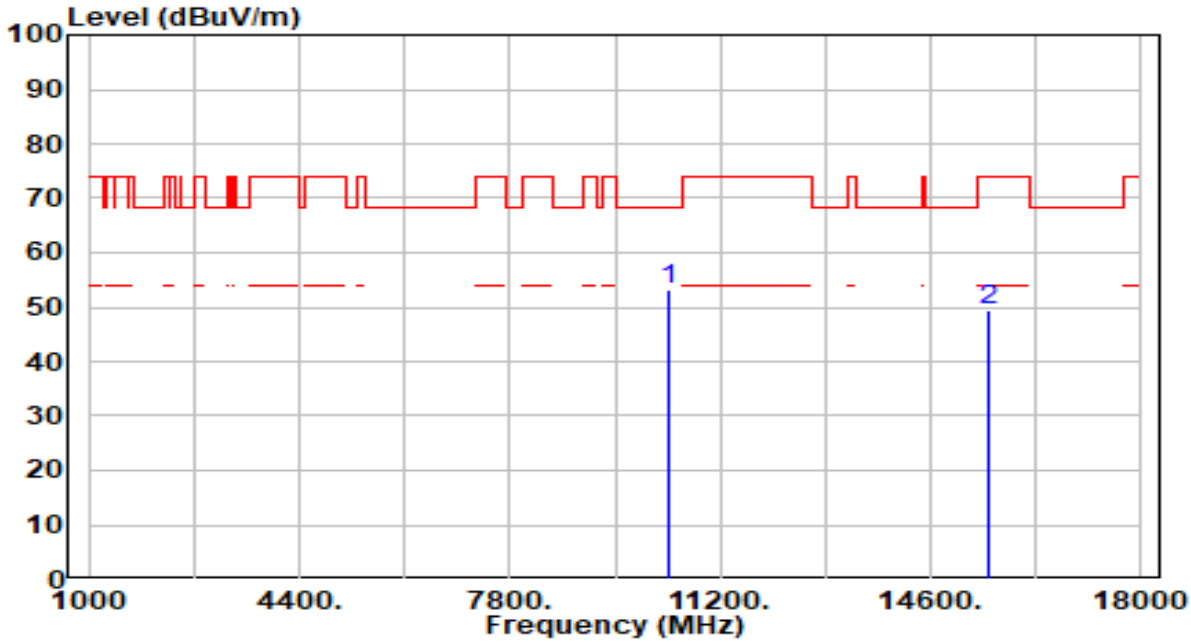


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	38.590	13.53	18.80	32.33	-7.67	40.00	100	225	QP
2		67.630	10.85	16.38	27.23	-12.77	40.00	200	35	QP
3		103.560	16.91	18.30	35.20	-8.30	43.50	150	45	QP
4		161.870	15.10	15.54	30.63	-12.87	43.50	100	72	QP
5		381.070	9.82	22.80	32.61	-13.39	46.00	200	281	QP
6		497.100	8.99	24.83	33.82	-12.18	46.00	150	105	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band1_CH 36_ANT 0+1	Test Voltage	AC 120V/60Hz

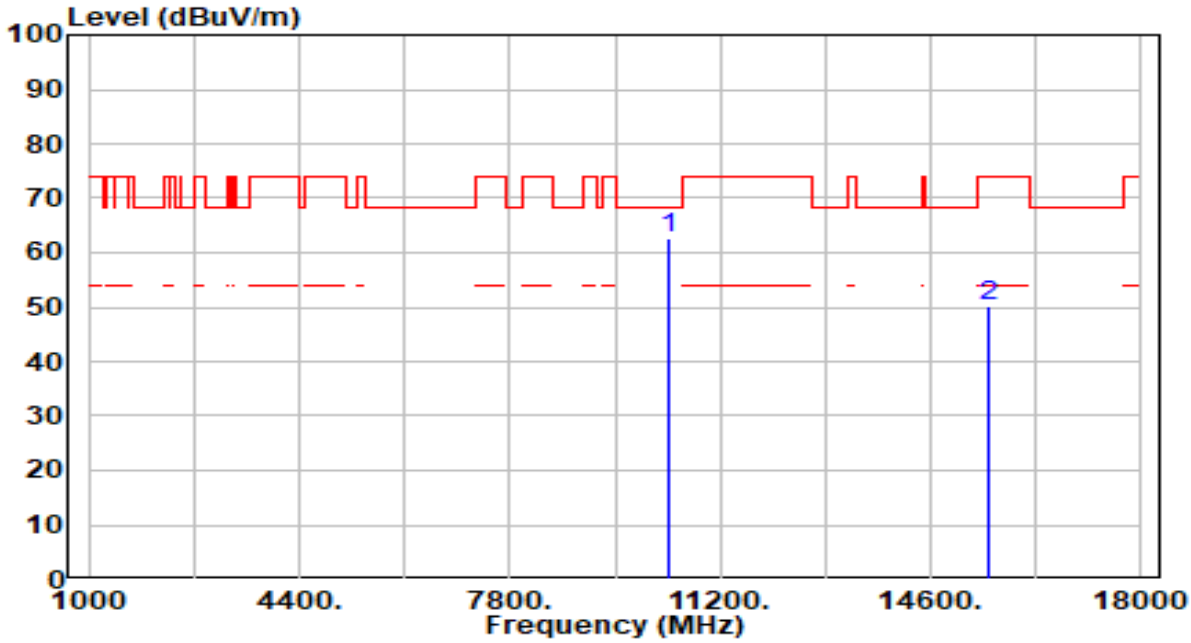


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	50.43	2.81	53.24	-14.96	68.20	200	2	Peak
2		15540.000	44.96	4.52	49.49	-24.51	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band1_CH 36_ANT 0+1	Test Voltage	AC 120V/60Hz

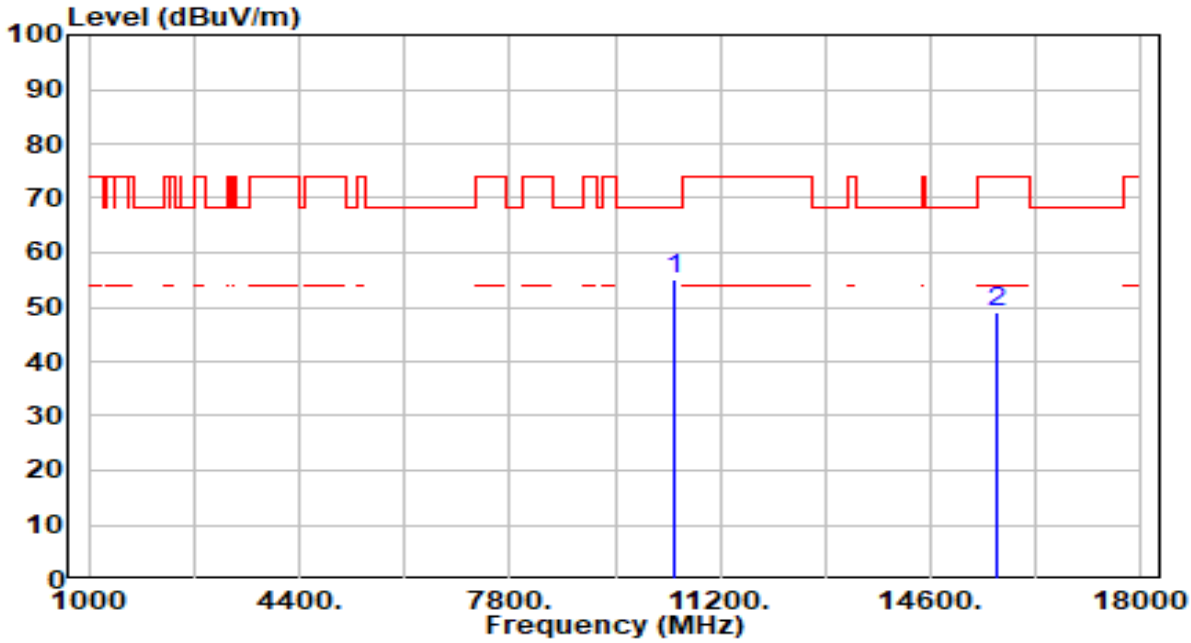


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	59.66	2.81	62.47	-5.73	68.20	200	360	Peak
2		15540.000	45.81	4.52	50.34	-23.66	74.00	200	143	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band1_CH 44_ANT 0+1	Test Voltage	AC 120V/60Hz

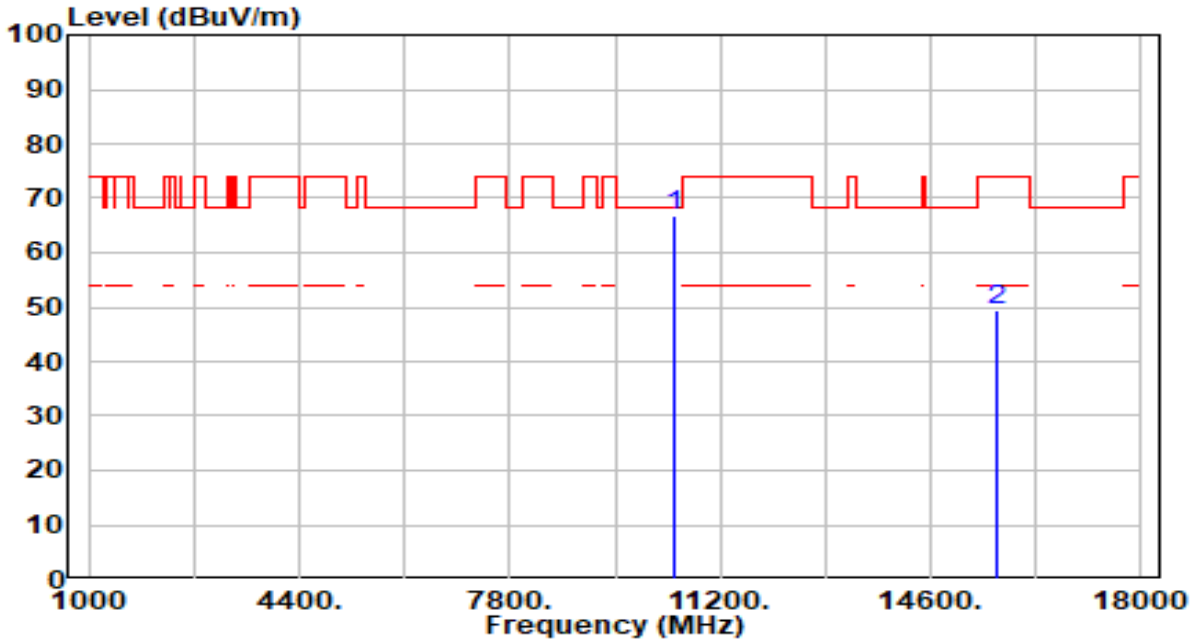


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	52.23	2.72	54.95	-13.25	68.20	200	86	Peak
2		15660.000	44.49	4.67	49.16	-24.84	74.00	200	112	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band1_CH 44_ANT 0+1	Test Voltage	AC 120V/60Hz

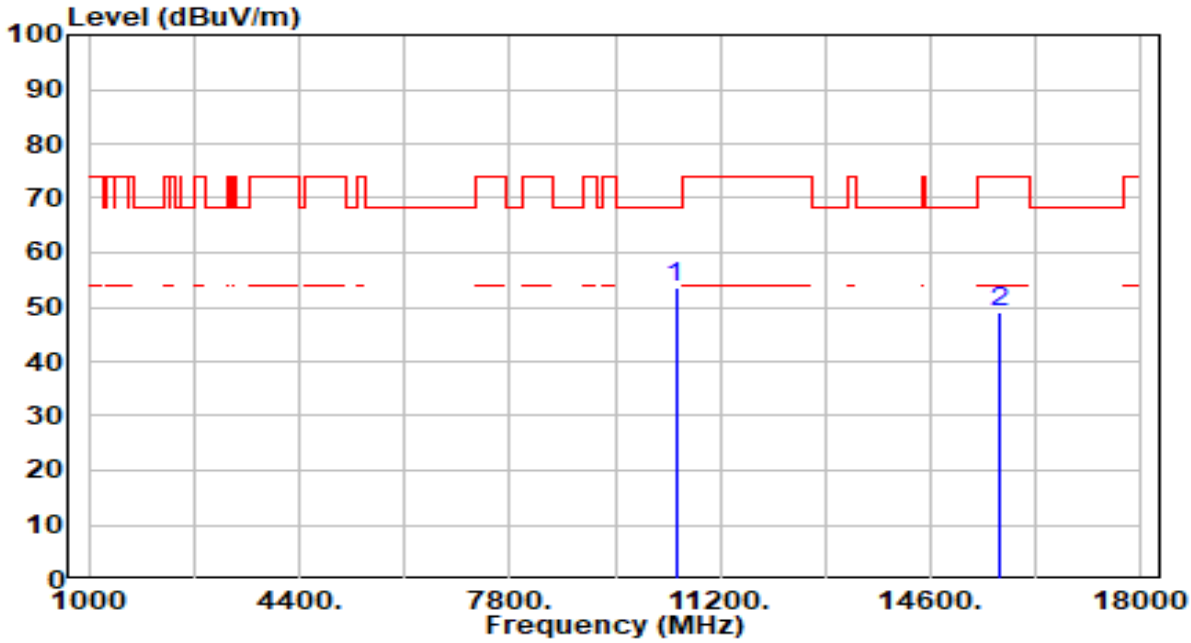


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	63.98	2.72	66.70	-1.50	68.20	200	169	Peak
2		15660.000	44.82	4.67	49.49	-24.51	74.00	200	140	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band1_CH 48_ANT 0+1	Test Voltage	AC 120V/60Hz

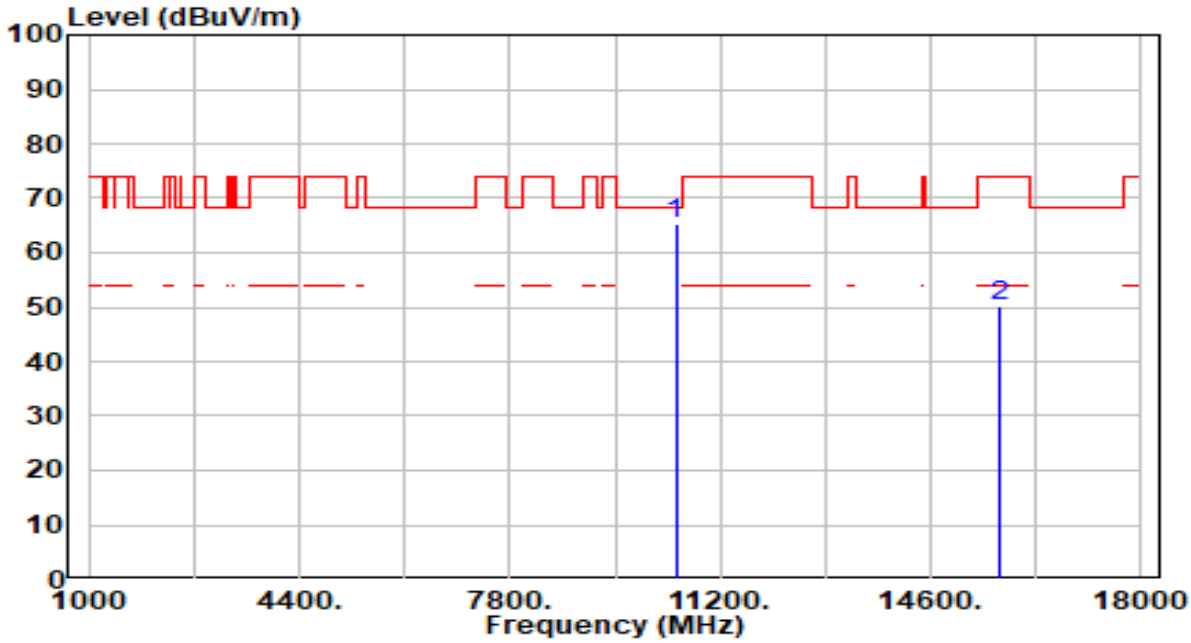


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	51.09	2.68	53.77	-14.43	68.20	200	112	Peak
2		15720.000	44.31	4.84	49.15	-24.85	74.00	200	155	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band1_CH 48_ANT 0+1	Test Voltage	AC 120V/60Hz

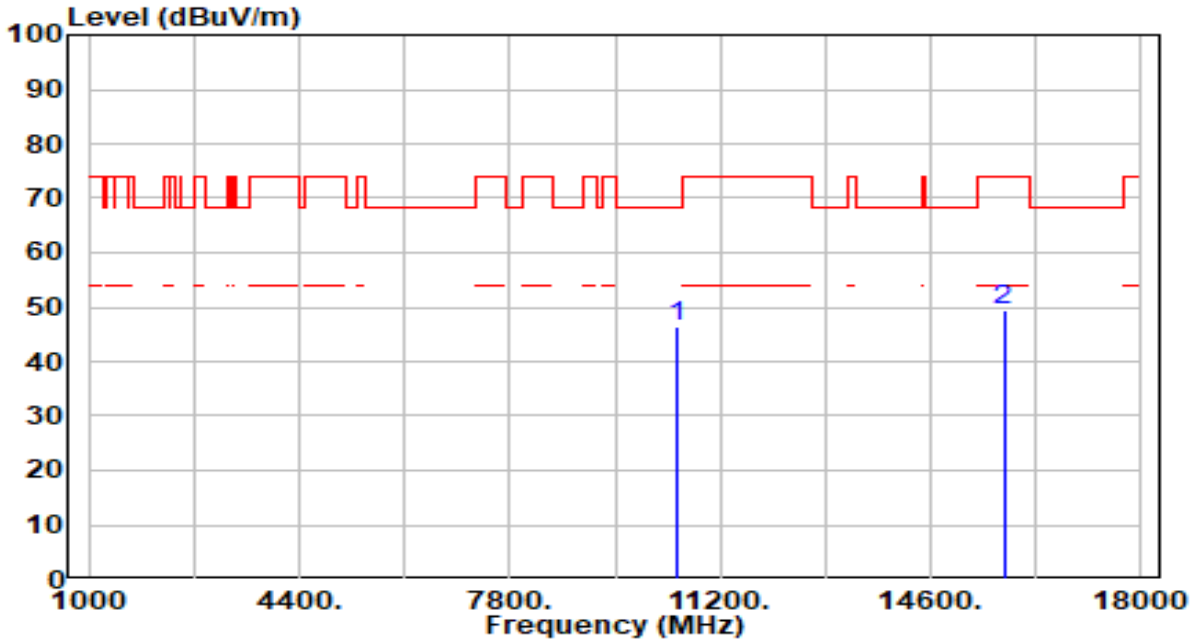


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	62.45	2.68	65.13	-3.07	68.20	200	160	Peak
2		15720.000	45.38	4.84	50.22	-23.78	74.00	200	60	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band2_CH 52_ANT 0+1	Test Voltage	AC 120V/60Hz

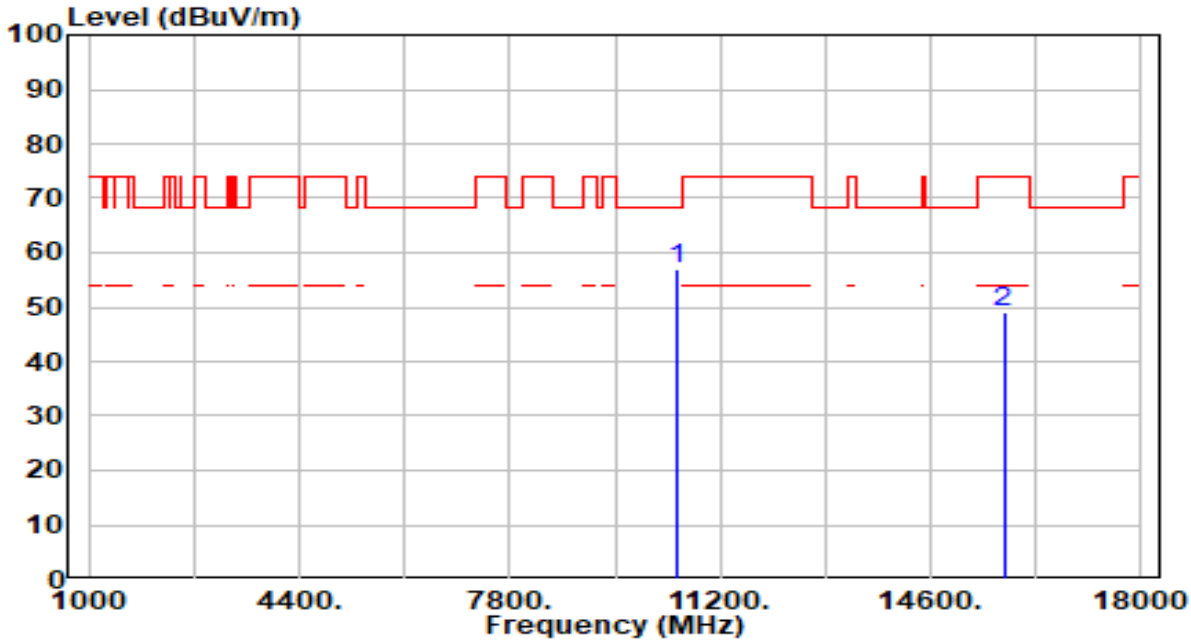


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	43.65	2.64	46.30	-21.90	68.20	200	60	Peak
2		15780.000	44.53	5.00	49.53	-24.47	74.00	200	187	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band2_CH 52_ANT 0+1	Test Voltage	AC 120V/60Hz

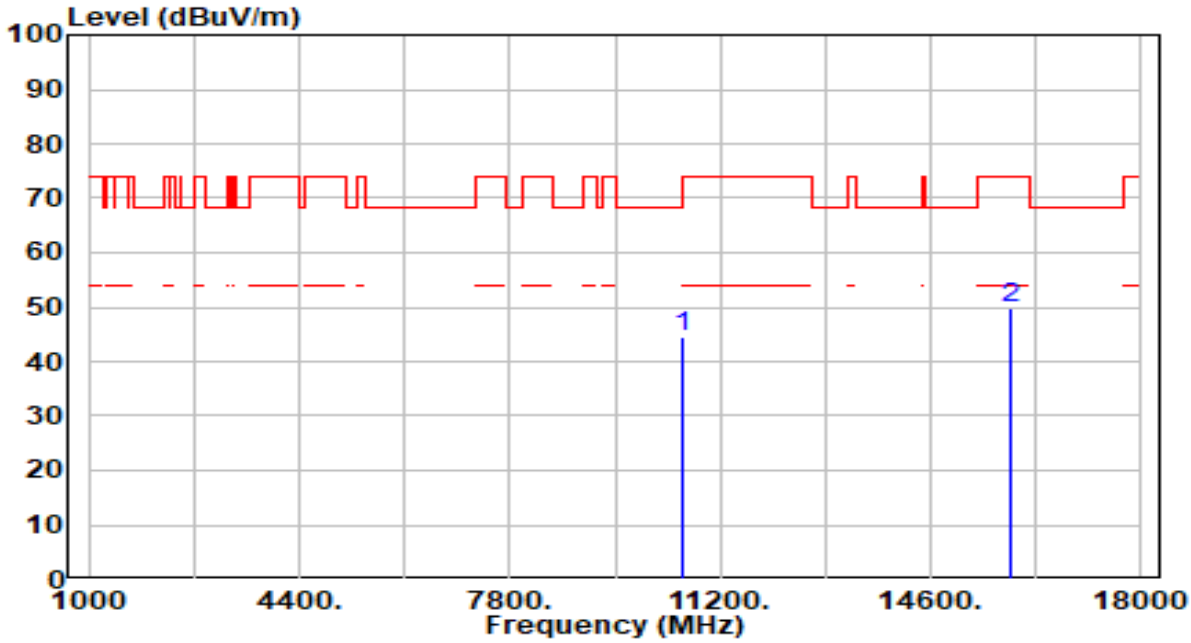


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	54.49	2.64	57.14	-11.06	68.20	200	212	Peak
2		15780.000	44.02	5.00	49.02	-24.98	74.00	200	175	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band2_CH 60_ANT 0+1	Test Voltage	AC 120V/60Hz

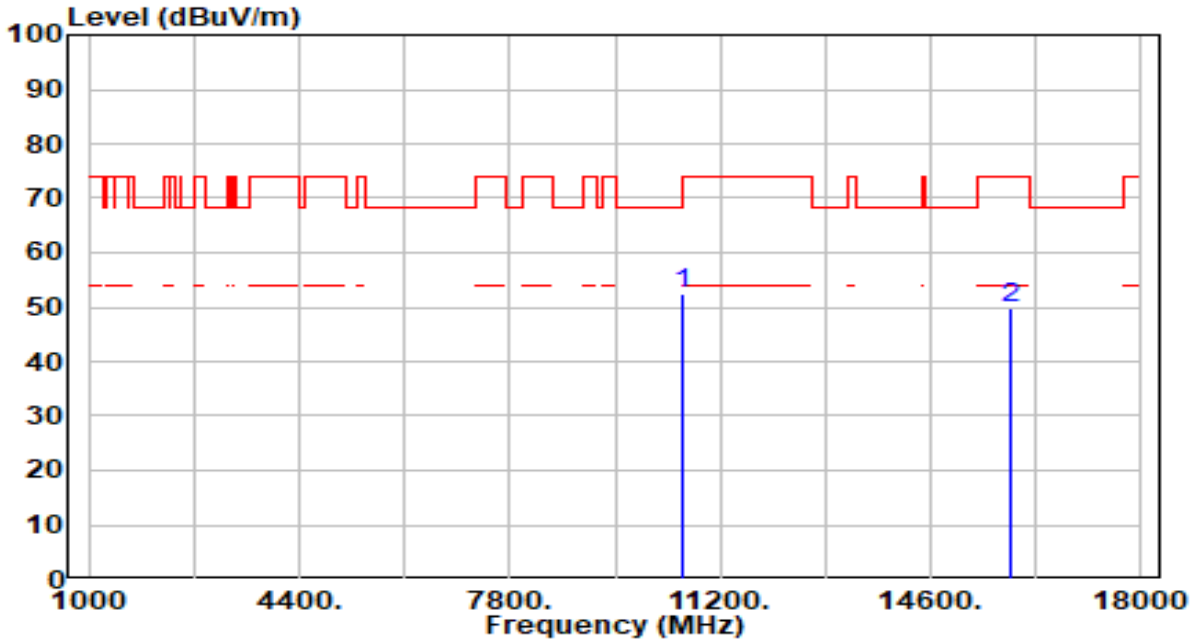


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	41.77	2.60	44.37	-23.83	68.20	200	283	Peak
2		15900.000	44.69	5.13	49.82	-24.18	74.00	200	80	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band2_CH 60_ANT 0+1	Test Voltage	AC 120V/60Hz

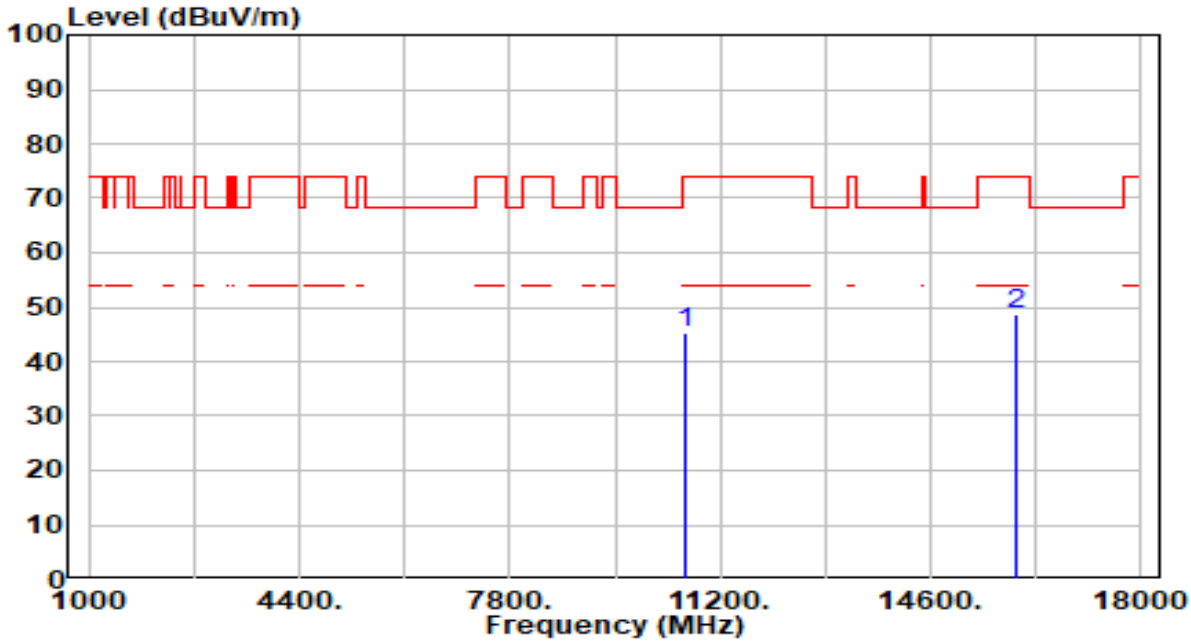


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	49.80	2.60	52.40	-15.80	68.20	200	210	Peak
2		15900.000	44.56	5.13	49.69	-24.31	74.00	200	75	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band2_CH 64_ANT 0+1	Test Voltage	AC 120V/60Hz

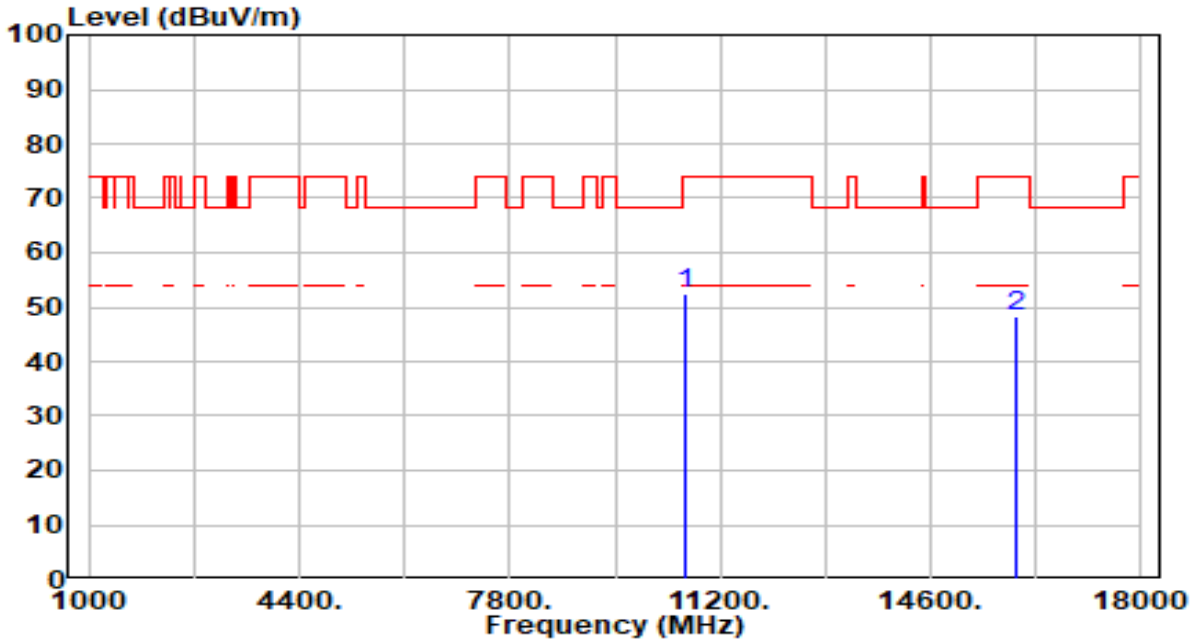


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	42.49	2.62	45.11	-28.89	74.00	200	6	Peak
2	*	15960.000	43.64	5.17	48.81	-25.19	74.00	200	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band2_CH 64_ANT 0+1	Test Voltage	AC 120V/60Hz

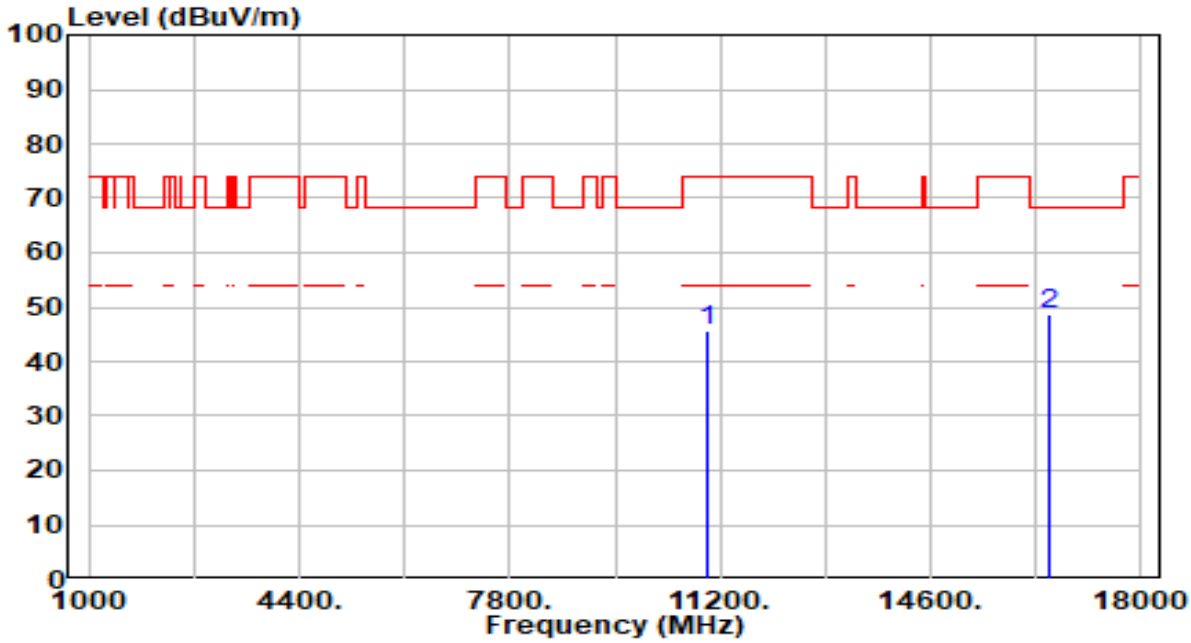


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10640.000	49.76	2.62	52.38	-21.62	74.00	200	209	Peak
2		15960.000	43.04	5.17	48.21	-25.79	74.00	200	148	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 100_ANT 0+1	Test Voltage	AC 120V/60Hz

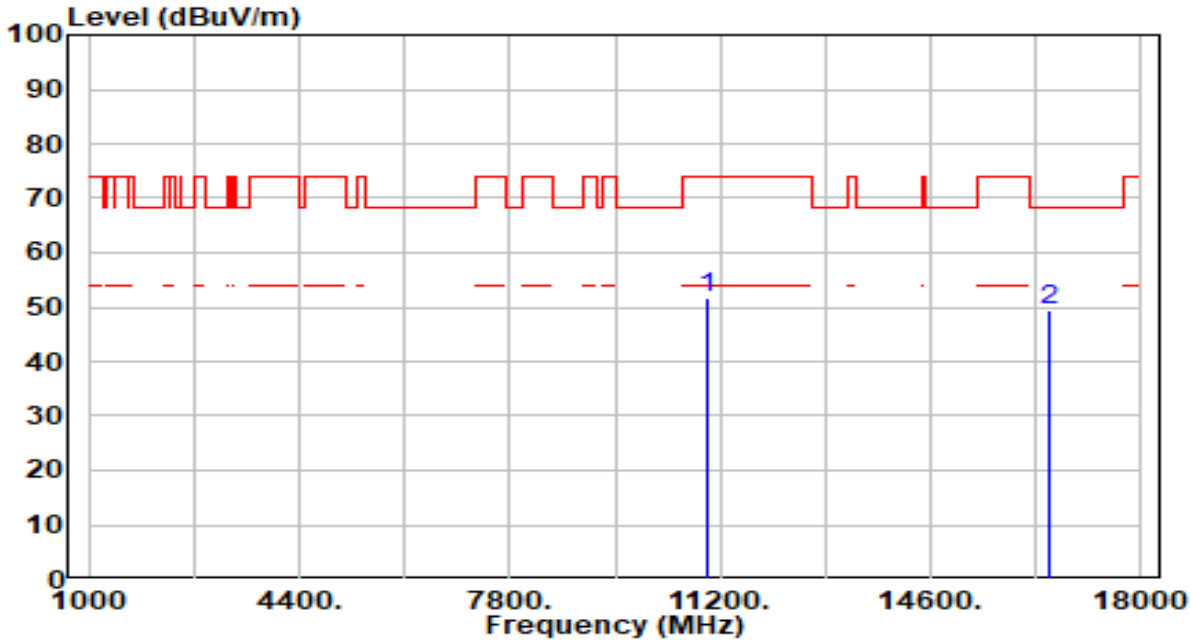


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	43.08	2.60	45.68	-28.32	74.00	200	224	Peak
2	*	16500.000	43.88	4.63	48.51	-19.69	68.20	200	144	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 100_ANT 0+1	Test Voltage	AC 120V/60Hz

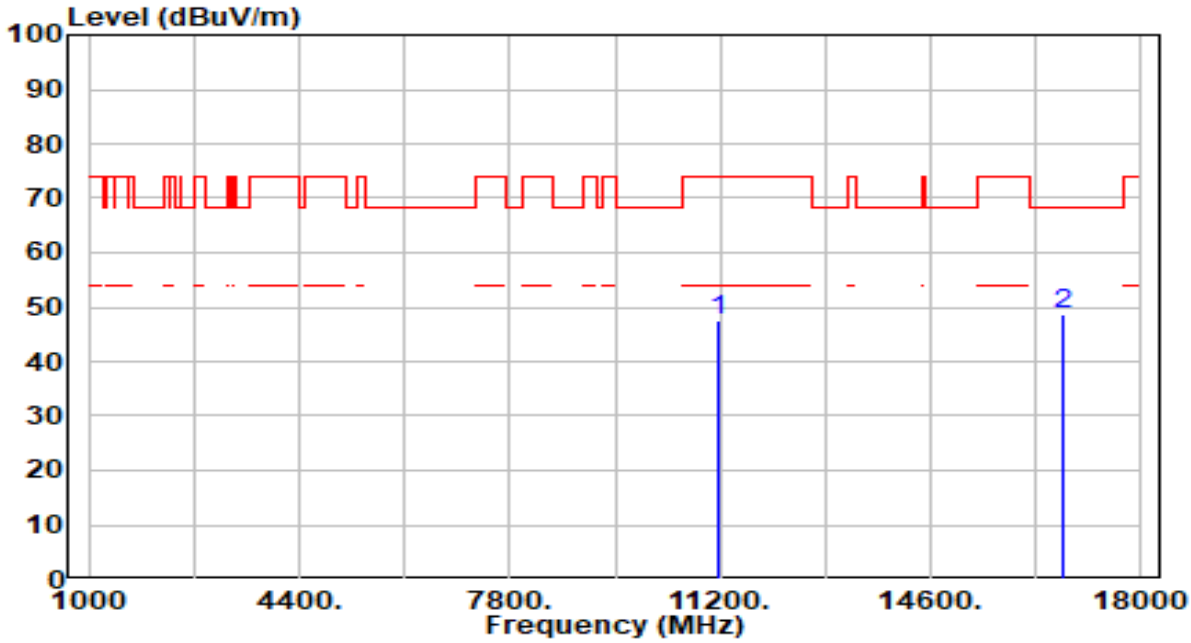


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	49.04	2.60	51.64	-22.36	74.00	200	212	Peak
2	*	16500.000	44.82	4.63	49.45	-18.75	68.20	200	212	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 116_ANT 0+1	Test Voltage	AC 120V/60Hz

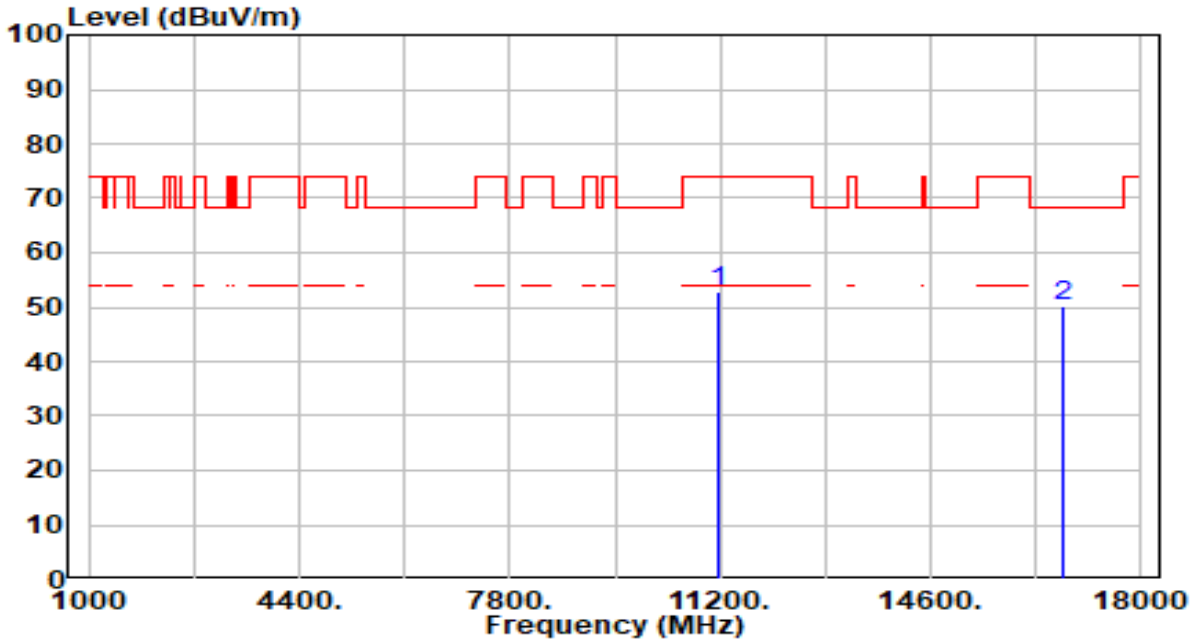


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	44.33	3.07	47.40	-26.60	74.00	200	0	Peak
2	*	16740.000	44.14	4.66	48.80	-19.40	68.20	200	318	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 116_ANT 0+1	Test Voltage	AC 120V/60Hz

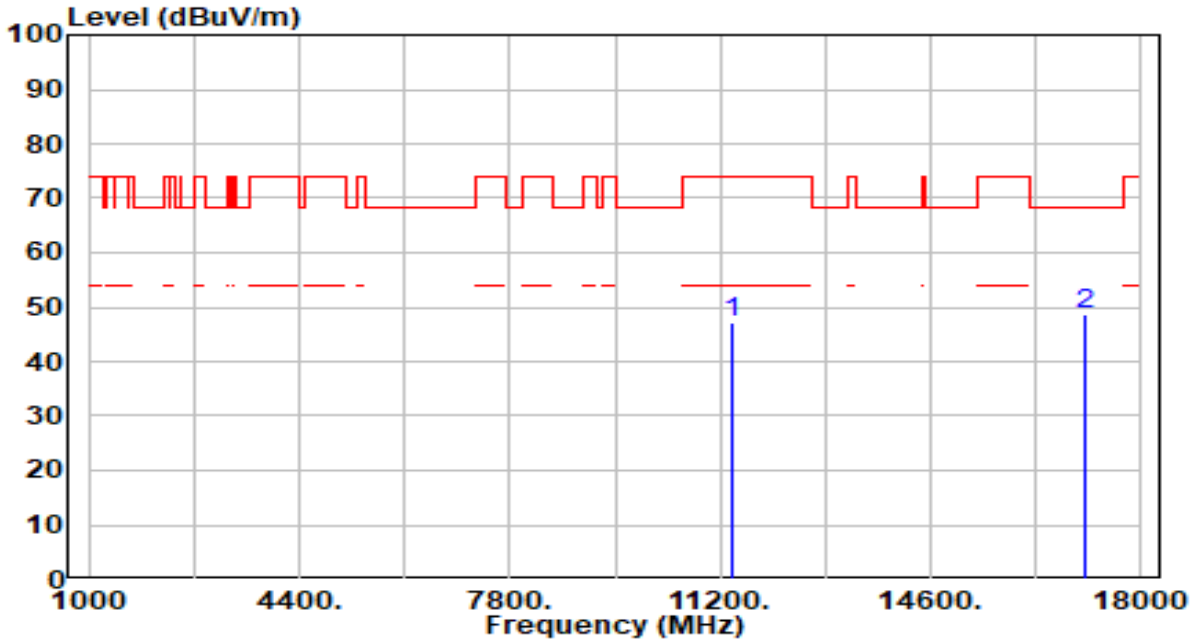


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	49.85	3.07	52.92	-21.08	74.00	200	340	Peak
2	*	16740.000	45.68	4.66	50.34	-17.86	68.20	200	213	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 140_ANT 0+1	Test Voltage	AC 120V/60Hz

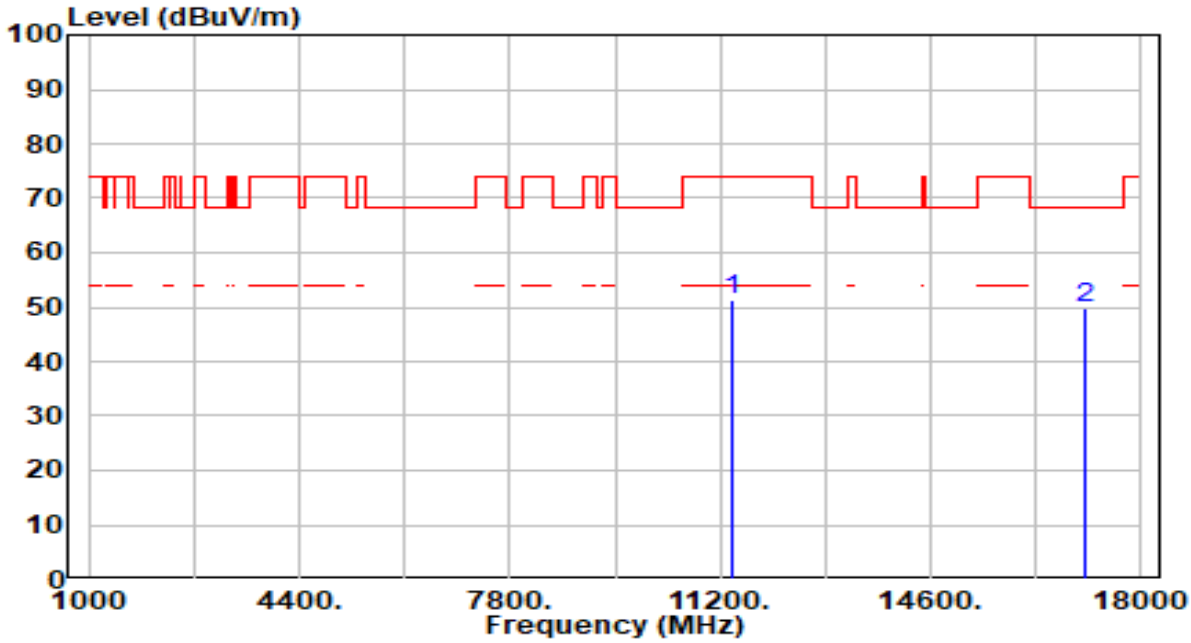


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	43.73	3.48	47.21	-26.79	74.00	200	240	Peak
2	*	17100.000	44.01	4.79	48.81	-19.39	68.20	200	228	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 140_ANT 0+1	Test Voltage	AC 120V/60Hz

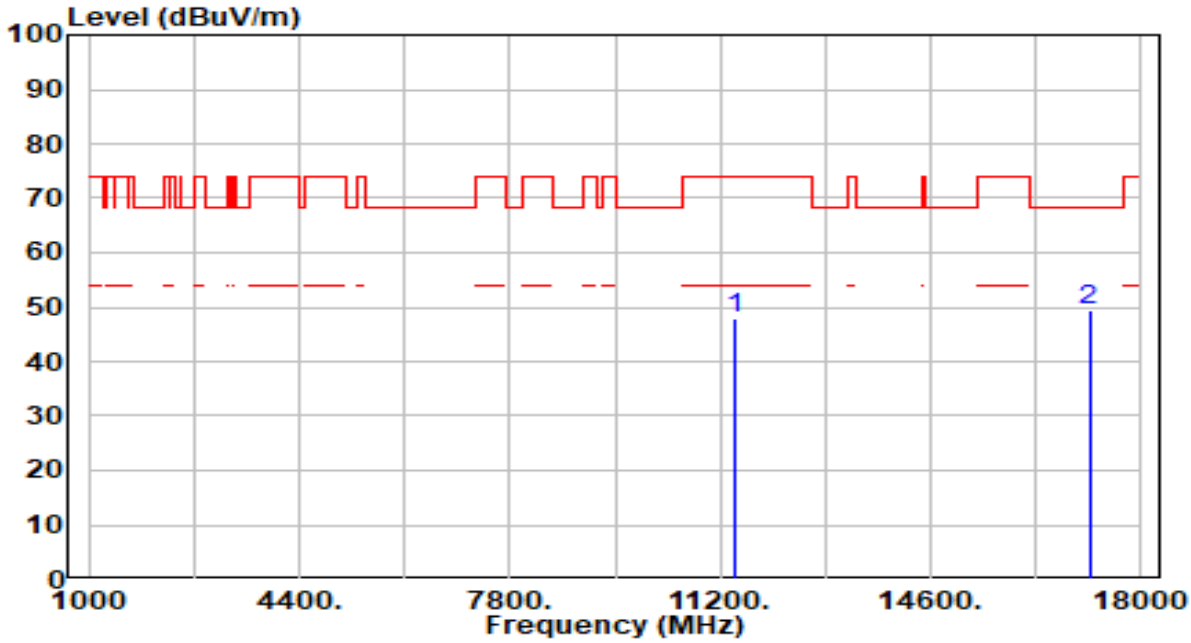


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	48.01	3.48	51.49	-22.51	74.00	200	283	Peak
2	*	17100.000	44.87	4.79	49.66	-18.54	68.20	200	329	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 144_ANT 0+1	Test Voltage	AC 120V/60Hz

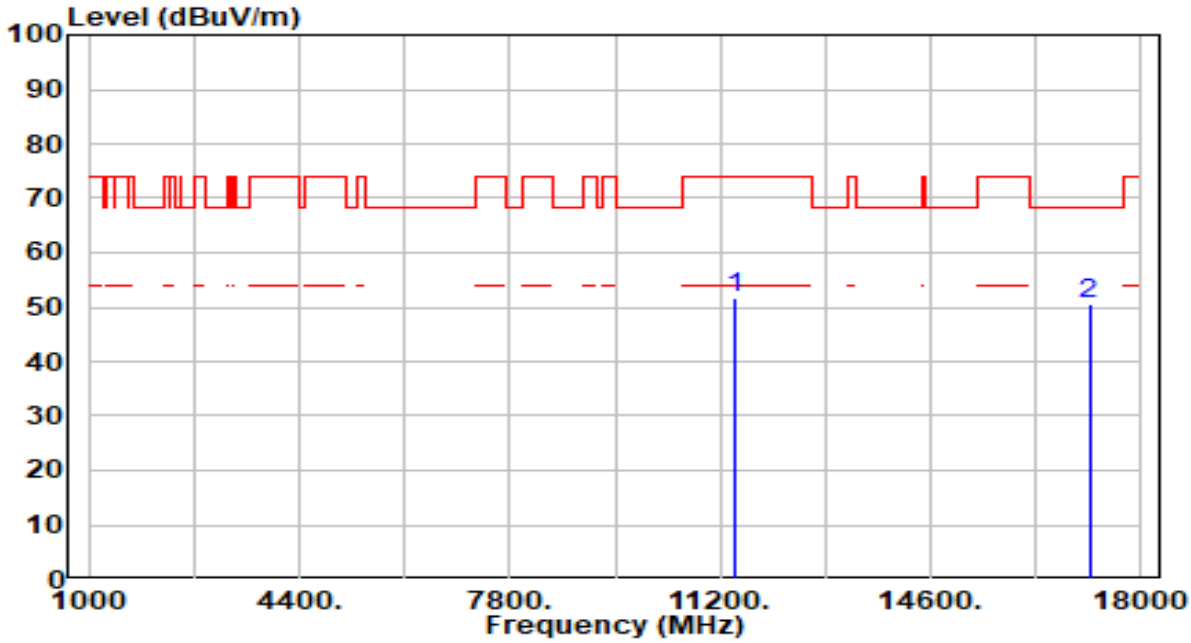


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	44.32	3.52	47.84	-26.16	74.00	200	117	Peak
2	*	17160.000	44.93	4.66	49.58	-18.62	68.20	200	295	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band3_CH 144_ANT 0+1	Test Voltage	AC 120V/60Hz

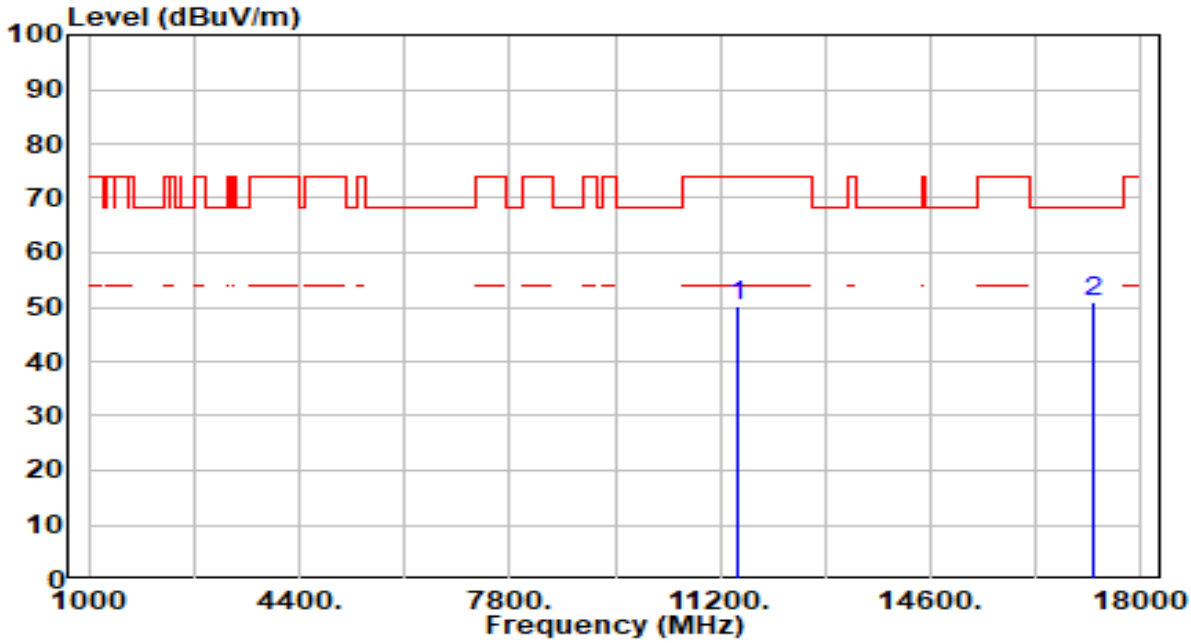


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	48.14	3.52	51.66	-22.34	74.00	200	130	Peak
2	*	17160.000	45.83	4.66	50.48	-17.72	68.20	200	222	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band4_CH 149_ANT 0+1	Test Voltage	AC 120V/60Hz

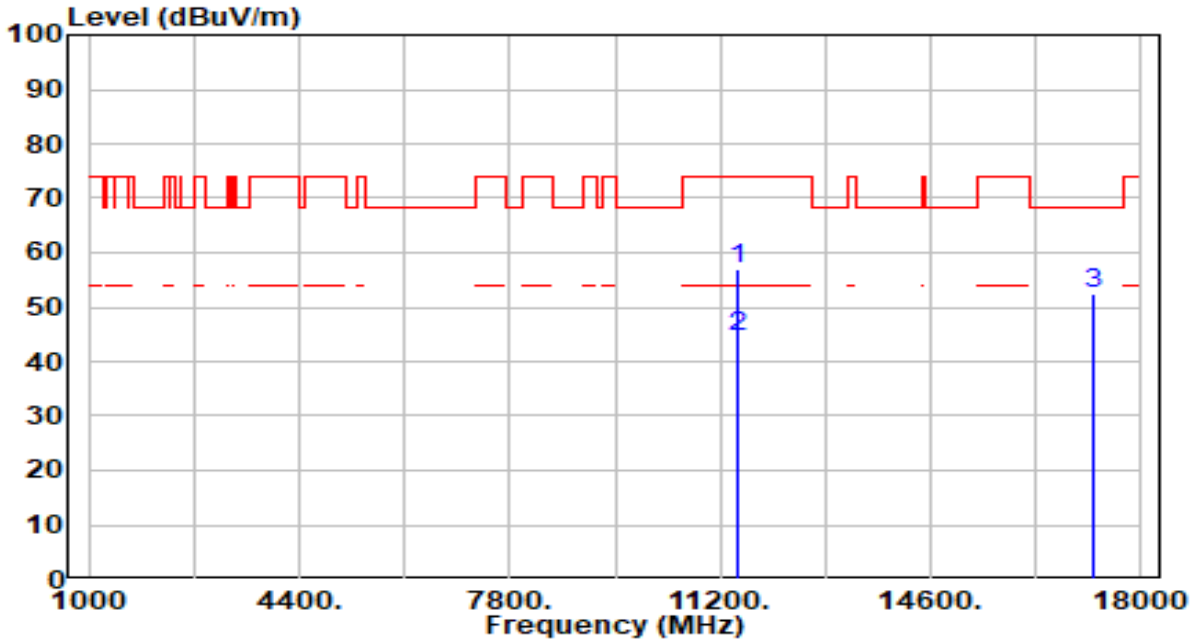


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	46.52	3.57	50.08	-23.92	74.00	200	360	Peak
2	*	17235.000	46.36	4.45	50.82	-17.38	68.20	200	86	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band4_CH 149_ANT 0+1	Test Voltage	AC 120V/60Hz

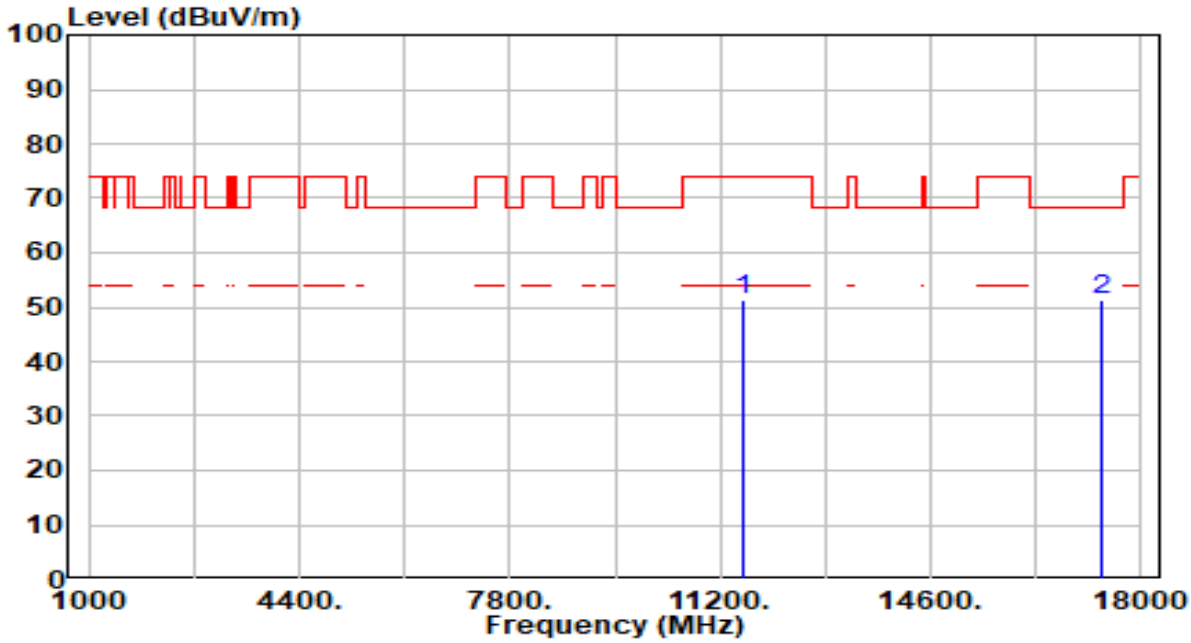


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	53.34	3.57	56.91	-17.09	74.00	200	176	Peak
2	*	11490.000	40.82	3.57	44.39	-9.61	54.00	200	176	Average
3	*	17235.000	47.86	4.45	52.31	-15.89	68.20	200	196	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band4_CH 157_ANT 0+1	Test Voltage	AC 120V/60Hz

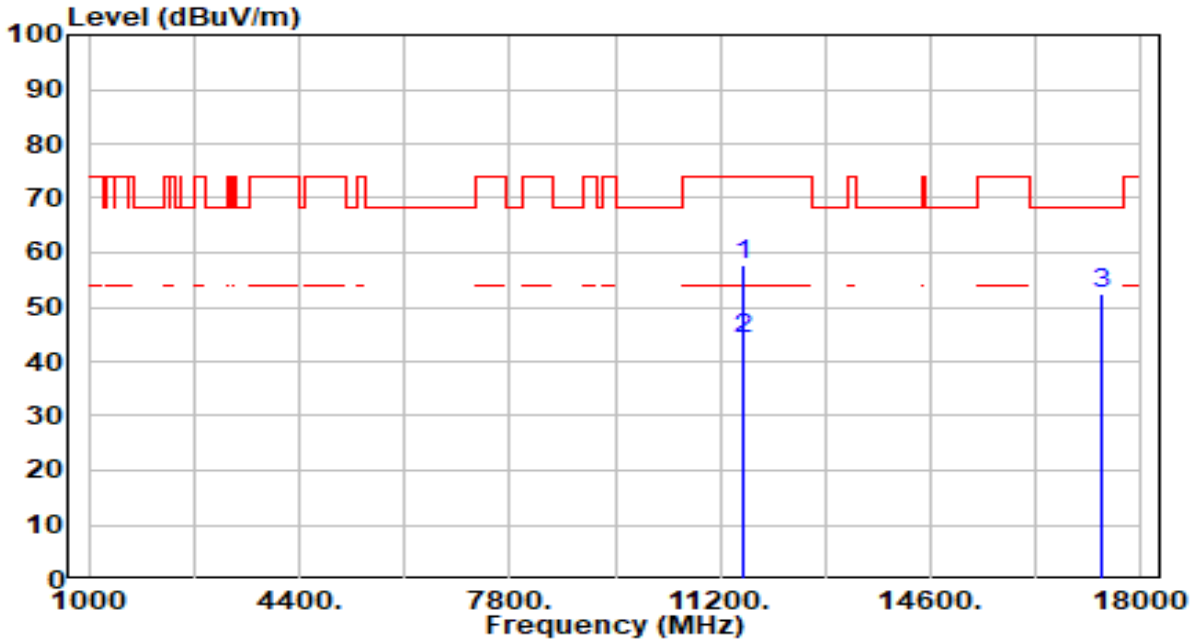


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	47.55	3.65	51.20	-22.80	74.00	200	251	Peak
2	*	17355.000	47.40	4.06	51.45	-16.75	68.20	200	85	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band4_CH 157_ANT 0+1	Test Voltage	AC 120V/60Hz

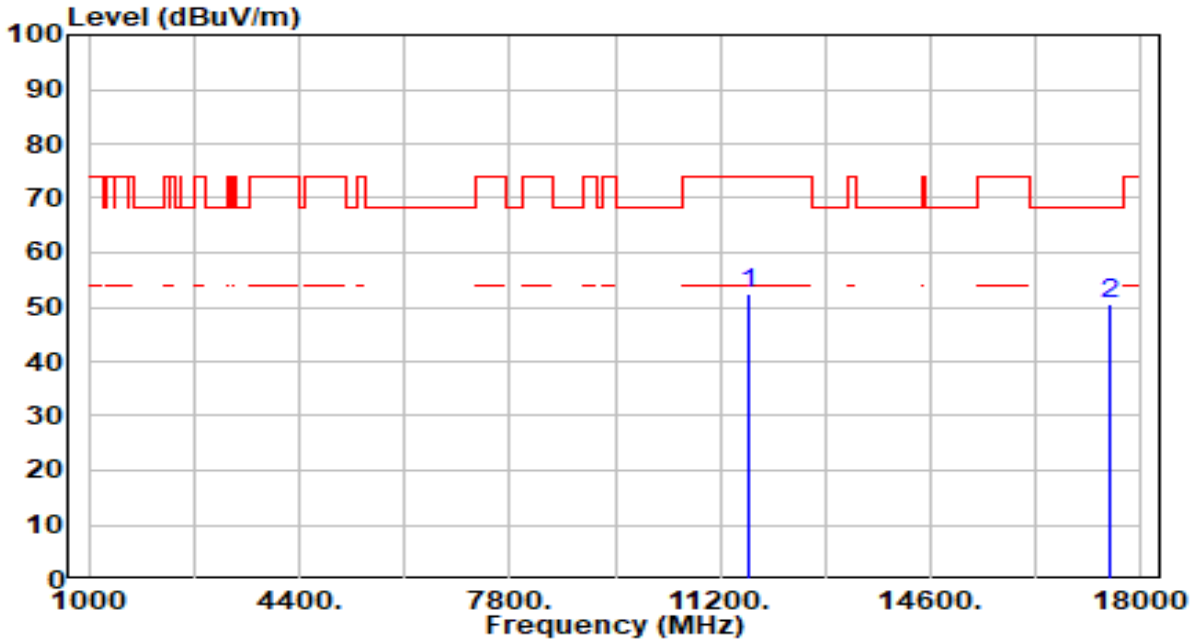


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	54.01	3.65	57.66	-16.34	74.00	200	243	Peak
2	*	11570.000	40.54	3.65	44.19	-9.81	54.00	200	243	Average
3	*	17355.000	48.58	4.06	52.64	-15.56	68.20	200	232	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band4_CH 165_ANT 0+1	Test Voltage	AC 120V/60Hz

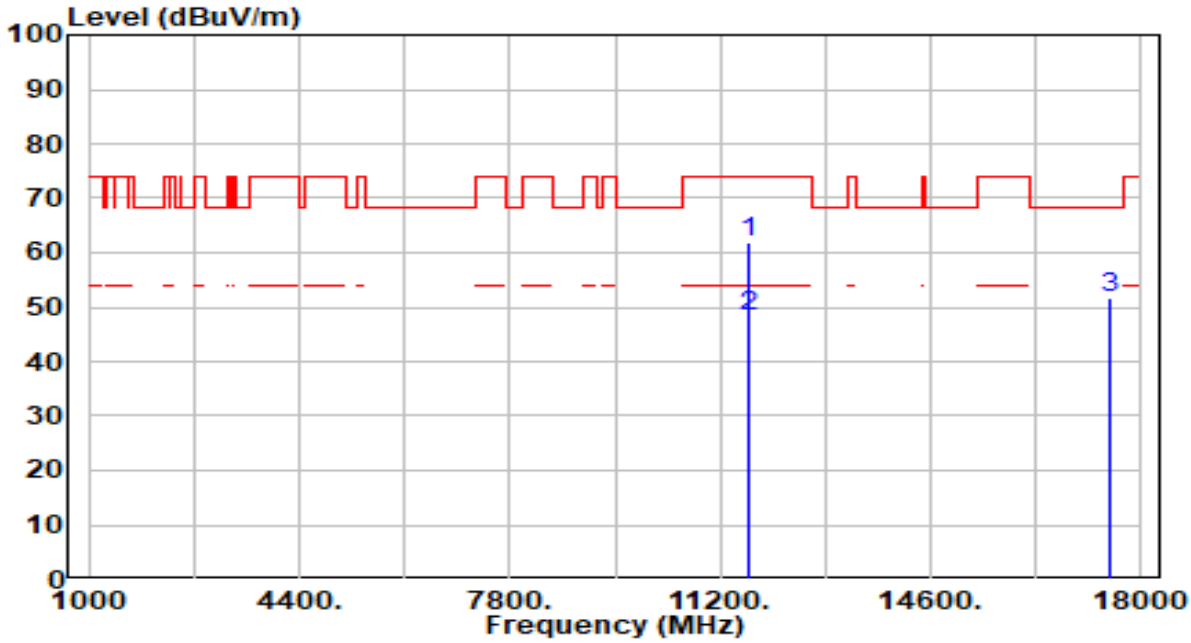


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11650.000	48.79	3.66	52.46	-21.54	74.00	200	1	Peak
2	*	17475.000	46.65	3.89	50.54	-17.66	68.20	200	86	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_TX_Band4_CH 165_ANT 0+1	Test Voltage	AC 120V/60Hz

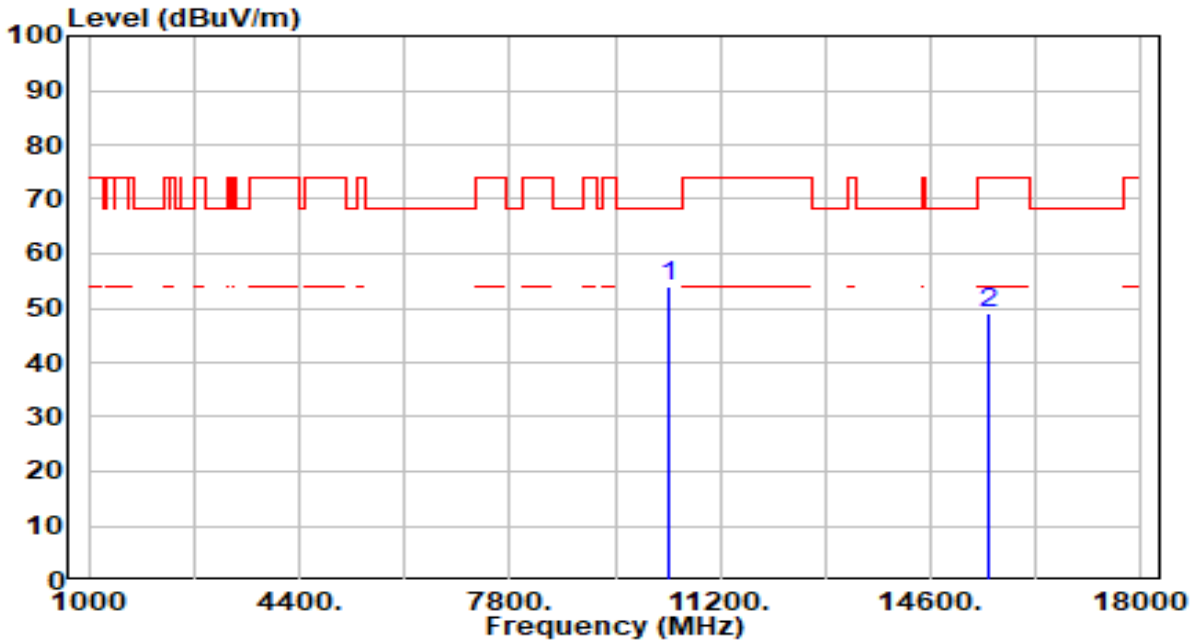


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	11650.000	58.15	3.66	61.81	-12.19	74.00	200	204	Peak
2	*	11650.000	44.74	3.66	48.40	-5.60	54.00	200	204	Average
3		17475.000	47.90	3.89	51.79	-16.41	68.20	200	314	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0+1	Test Voltage	AC 120V/60Hz

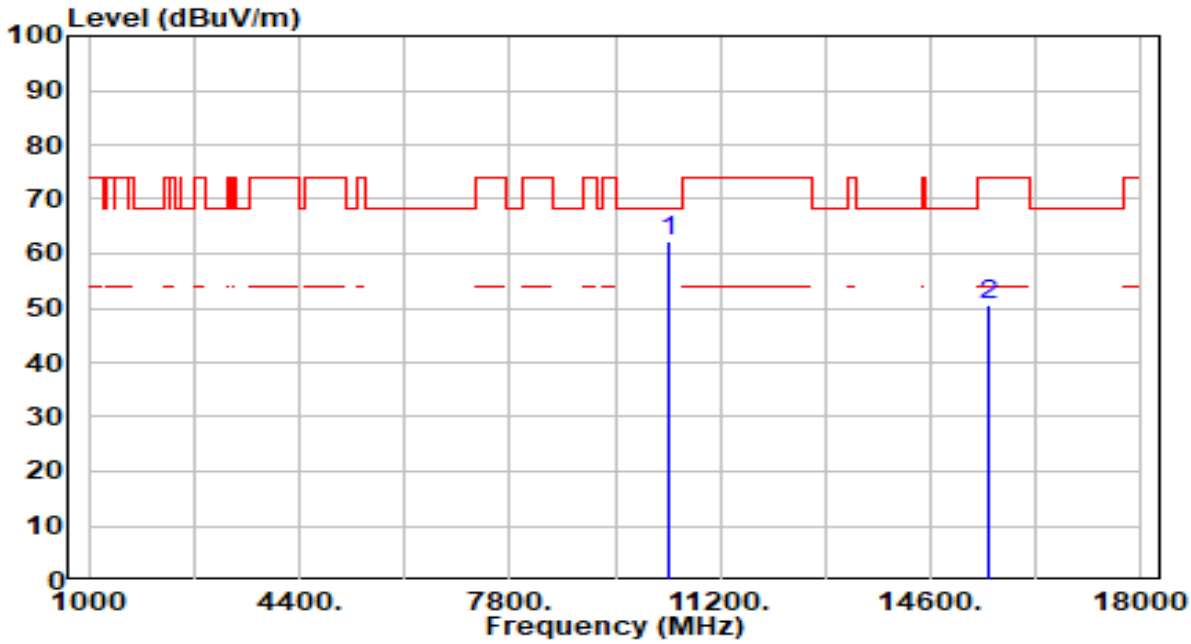


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	51.13	2.81	53.94	-14.26	68.20	200	215	Peak
2		15540.000	44.72	4.52	49.24	-24.76	74.00	200	236	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band1_CH 36_ANT 0+1	Test Voltage	AC 120V/60Hz

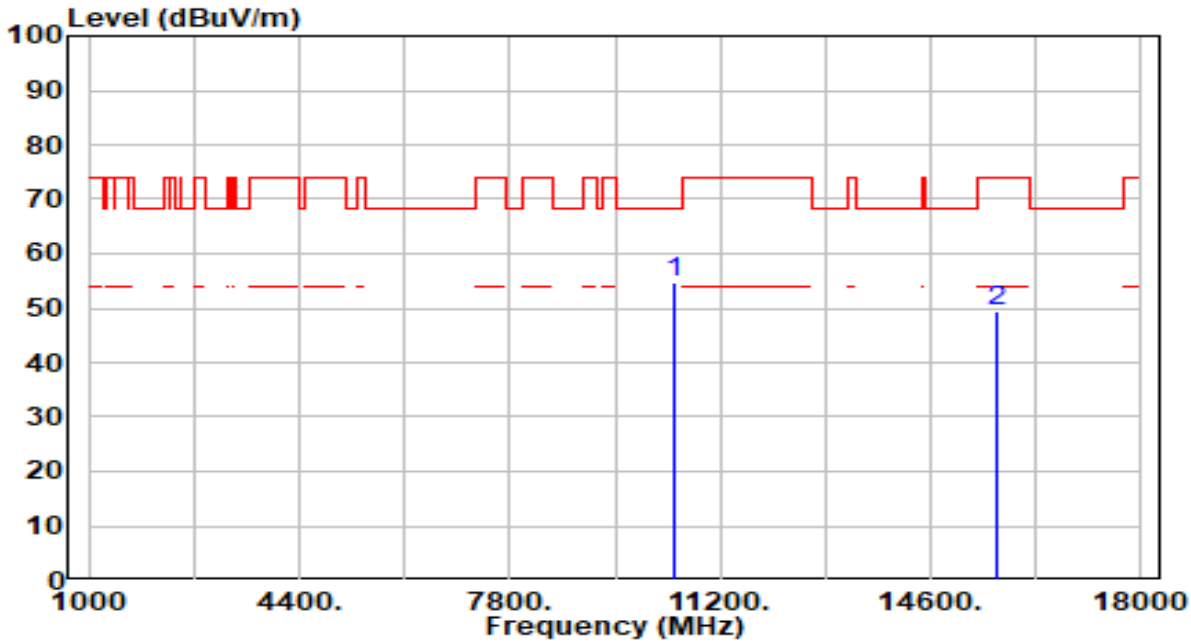


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	59.29	2.81	62.10	-6.10	68.20	200	167	Peak
2		15540.000	46.15	4.52	50.68	-23.32	74.00	200	139	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1	Test Voltage	AC 120V/60Hz

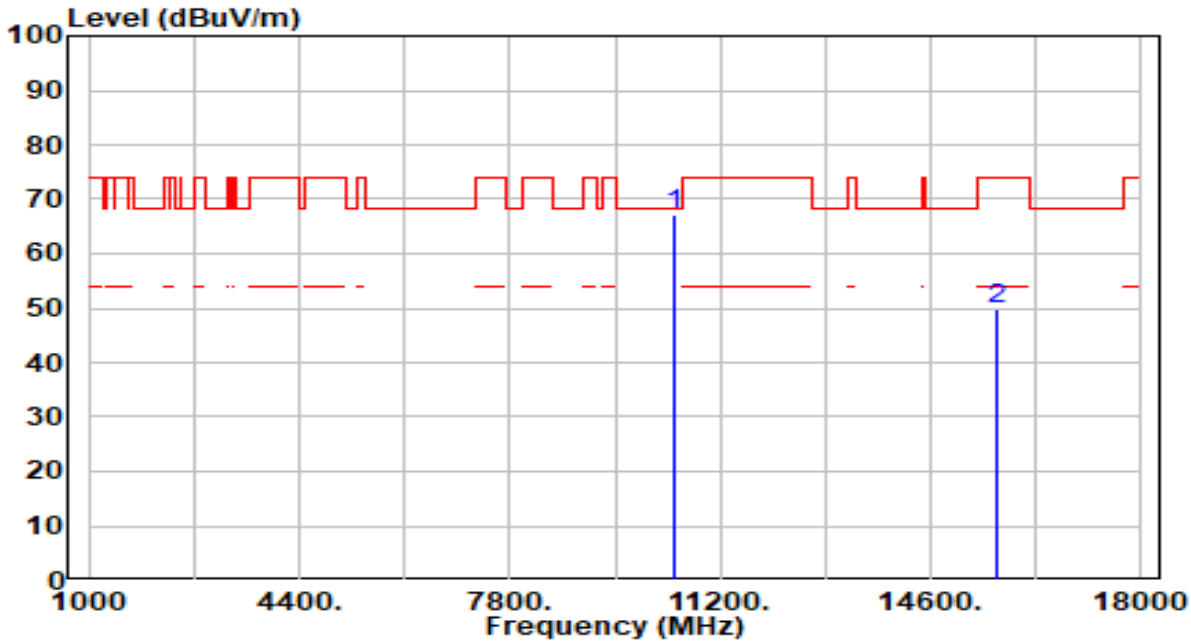


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	51.95	2.72	54.67	-13.53	68.20	200	279	Peak
2		15660.000	44.83	4.67	49.50	-24.50	74.00	200	46	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band1_CH 44_ANT 0+1	Test Voltage	AC 120V/60Hz

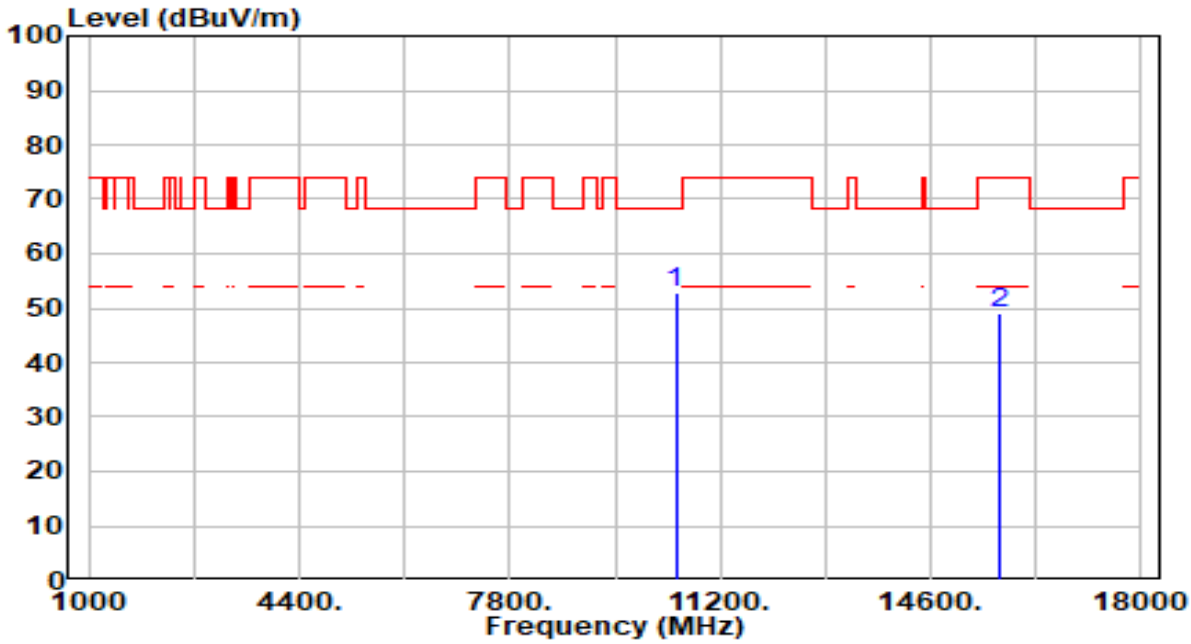


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10440.000	64.35	2.72	67.07	-1.13	68.20	200	191	Peak
2		15660.000	45.10	4.67	49.77	-24.23	74.00	200	222	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band1_CH 48_ANT 0+1	Test Voltage	AC 120V/60Hz

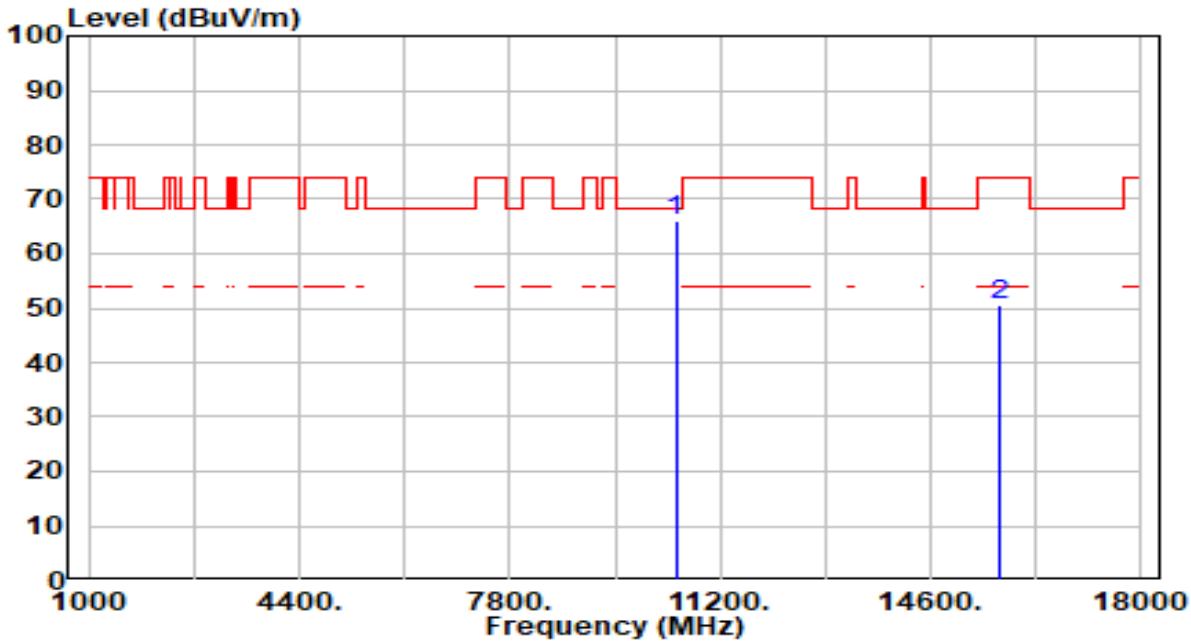


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	50.25	2.68	52.93	-15.27	68.20	200	214	Peak
2		15720.000	44.40	4.84	49.23	-24.77	74.00	200	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band1_CH 48_ANT 0+1	Test Voltage	AC 120V/60Hz

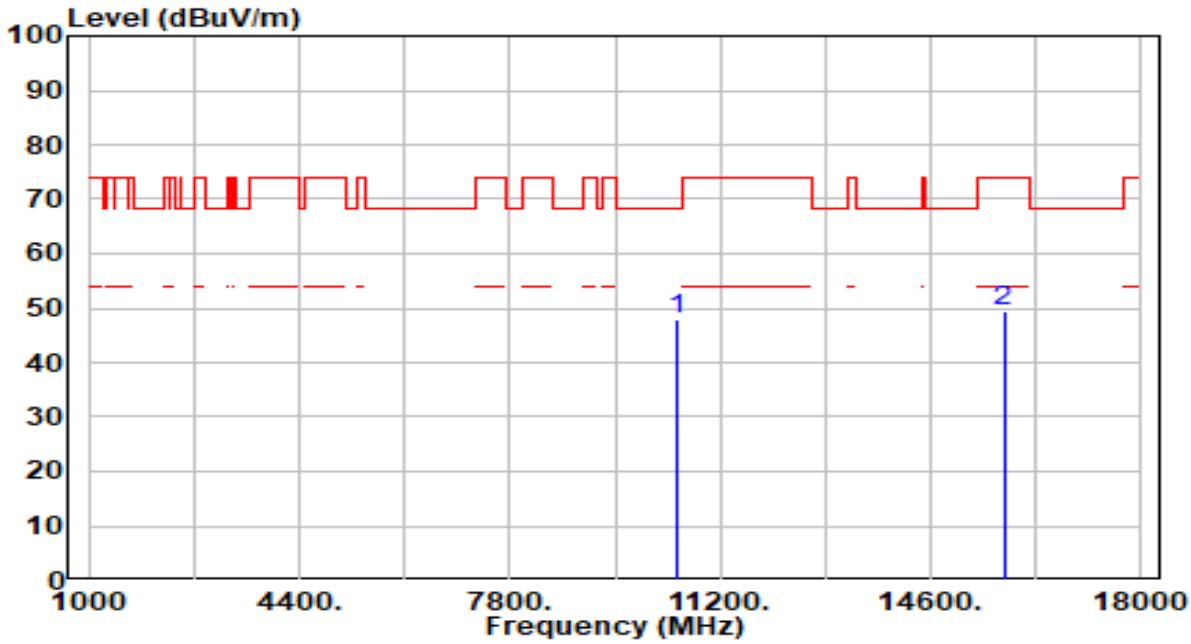


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	63.46	2.68	66.13	-2.07	68.20	200	188	Peak
2		15720.000	45.72	4.84	50.56	-23.44	74.00	200	220	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band2_CH 52_ANT 0+1	Test Voltage	AC 120V/60Hz

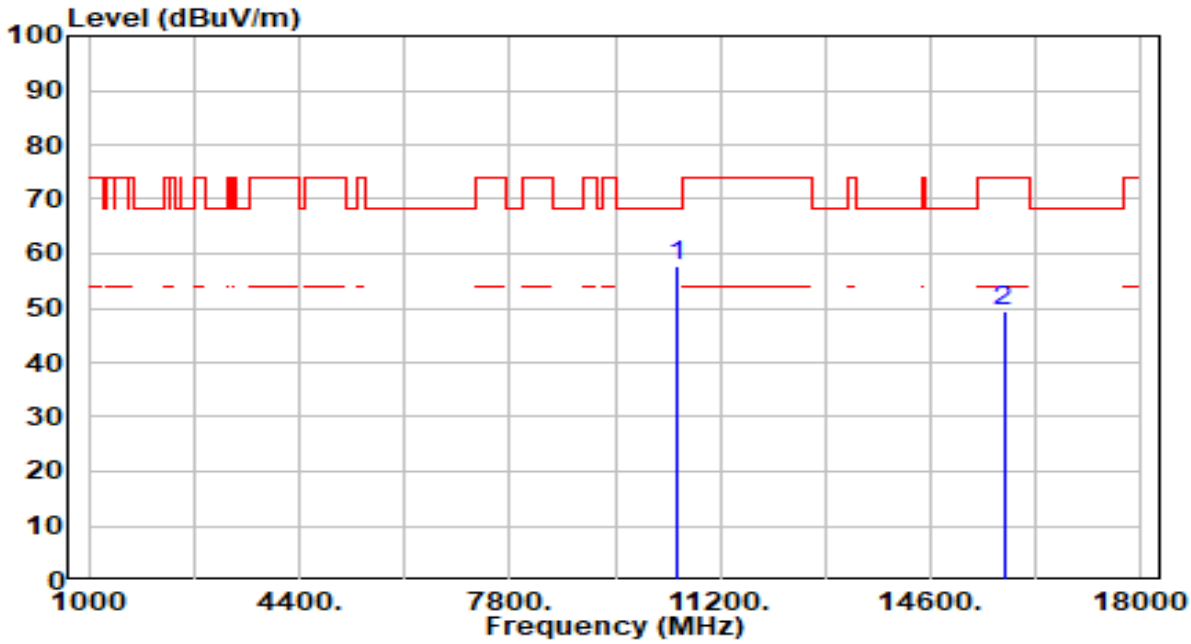


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	45.10	2.64	47.75	-20.45	68.20	200	196	Peak
2		15780.000	44.26	5.00	49.26	-24.74	74.00	200	12	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band2_CH 52_ANT 0+1	Test Voltage	AC 120V/60Hz

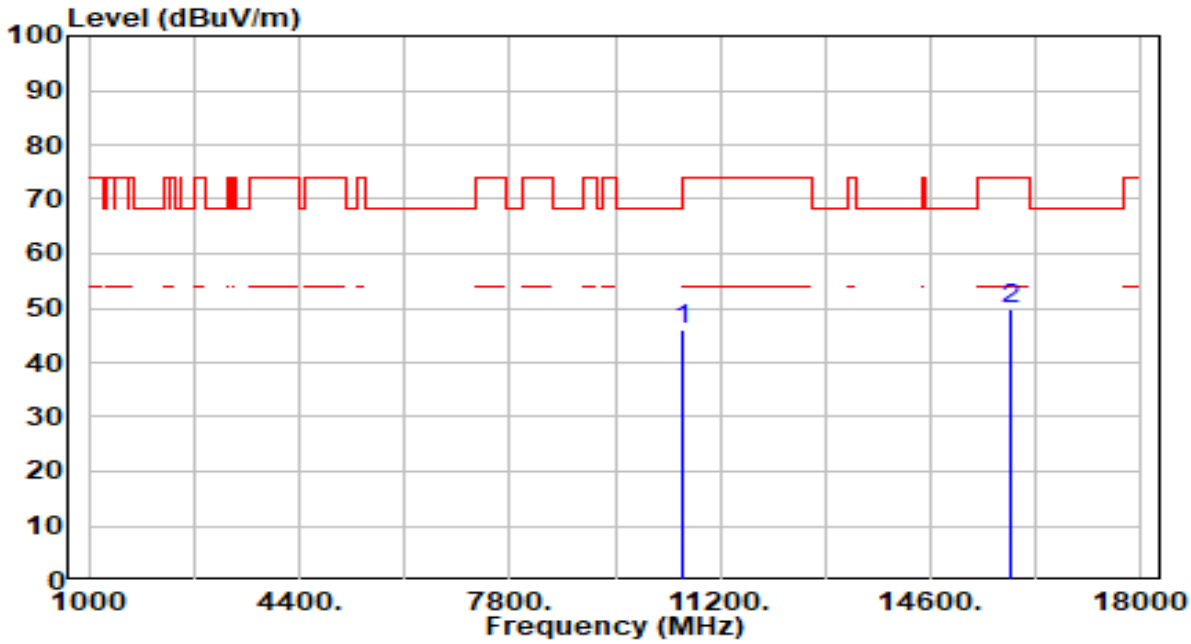


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	55.05	2.64	57.69	-10.51	68.20	200	184	Peak
2		15780.000	44.33	5.00	49.33	-24.67	74.00	200	219	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band2_CH 60_ANT 0+1	Test Voltage	AC 120V/60Hz

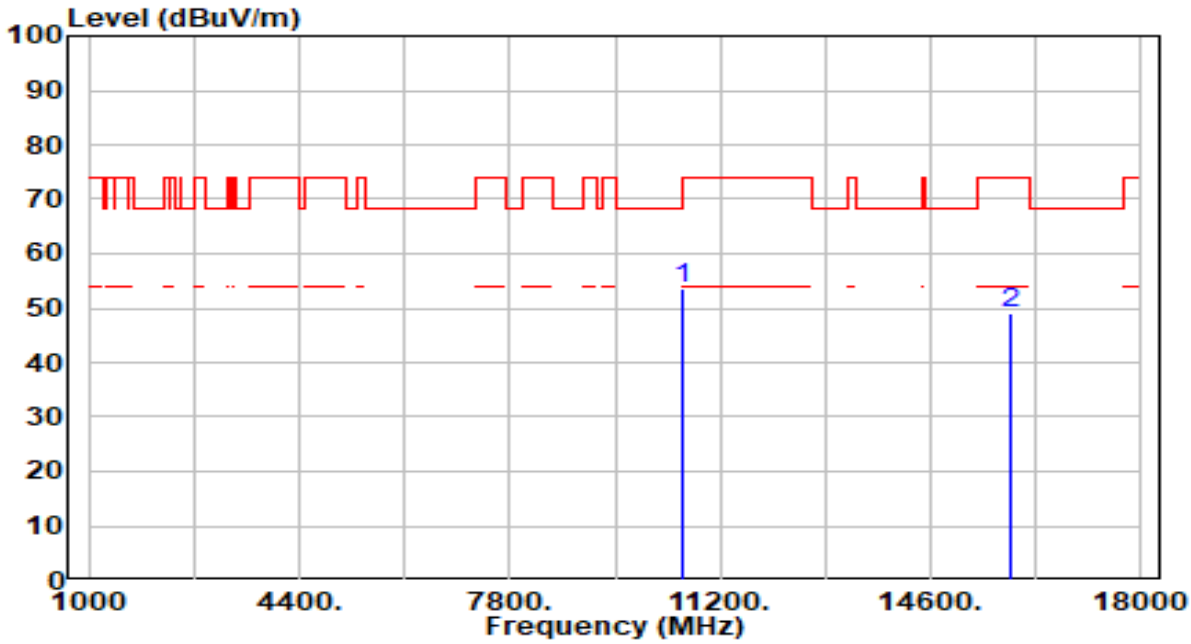


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	43.29	2.60	45.89	-22.31	68.20	200	350	Peak
2		15900.000	44.56	5.13	49.68	-24.32	74.00	200	158	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band2_CH 60_ANT 0+1	Test Voltage	AC 120V/60Hz

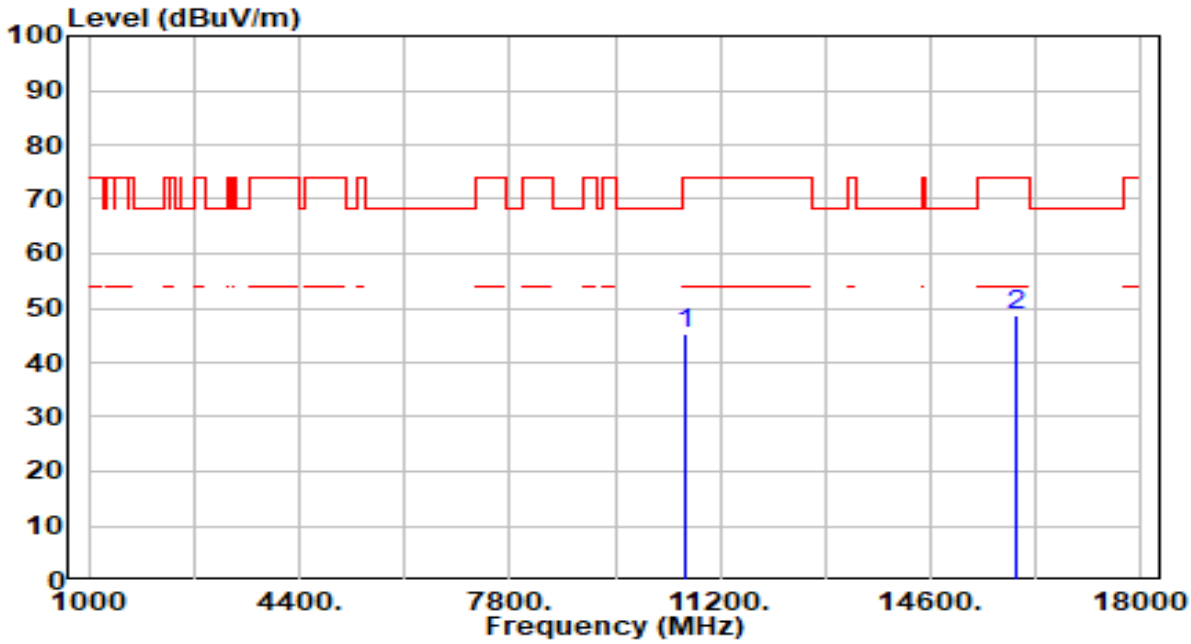


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	50.91	2.60	53.52	-14.68	68.20	200	157	Peak
2		15900.000	43.89	5.13	49.01	-24.99	74.00	200	180	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Omada AC1350 Gigabit VPN Router	Date of Test	2023-10-02
Factor	DRH18-E	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_TX_Band2_CH 64_ANT 0+1	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	42.73	2.62	45.35	-28.65	74.00	200	88	Peak
2	*	15960.000	43.40	5.17	48.57	-25.43	74.00	200	206	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.