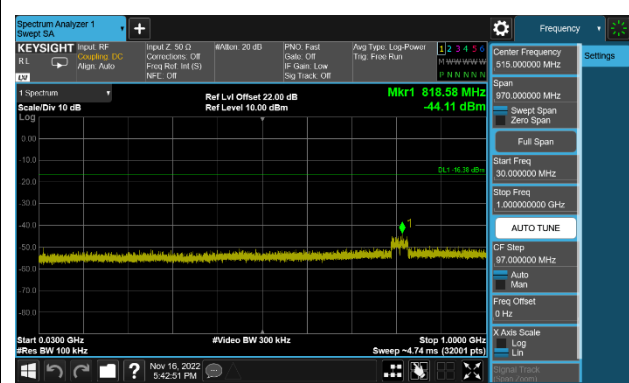


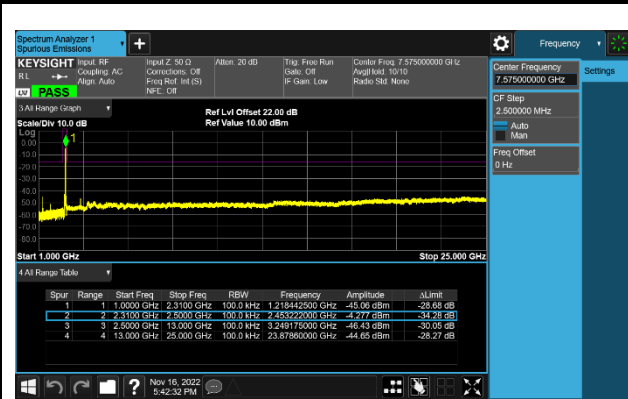
### 802.11 n40 CH06 (2437MHz)



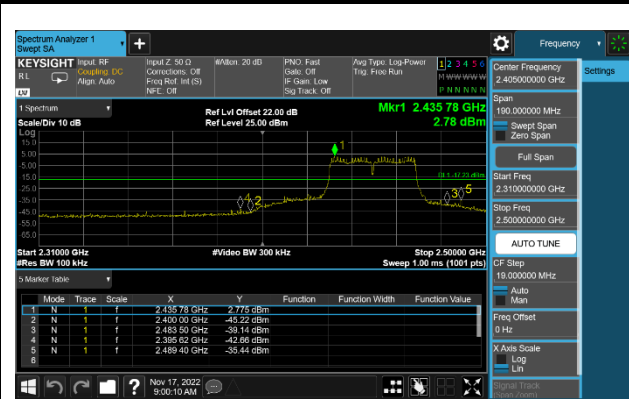
### 802.11 n40 CH06 (2437MHz)



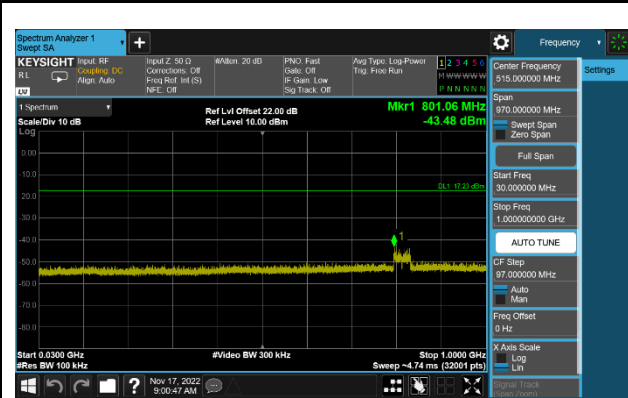
### 802.11 n40 CH06 (2437MHz)



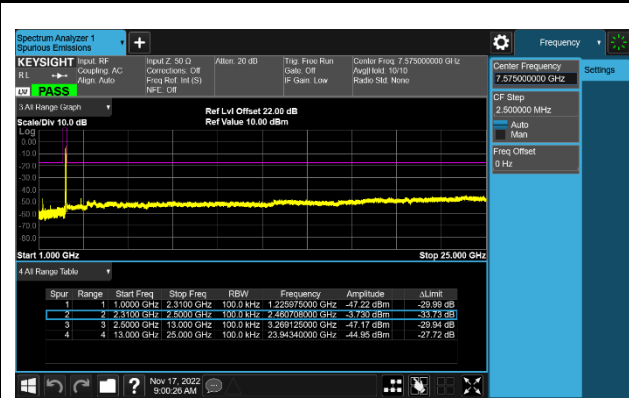
### 802.11 n40 CH09 (2452MHz)



### 802.11 n40 CH09 (2452MHz)

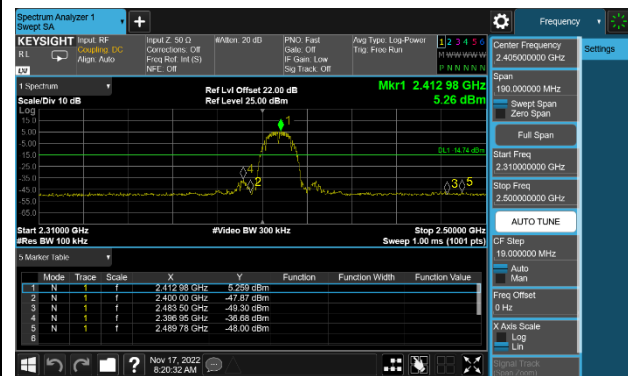


### 802.11 n40 CH09 (2452MHz)

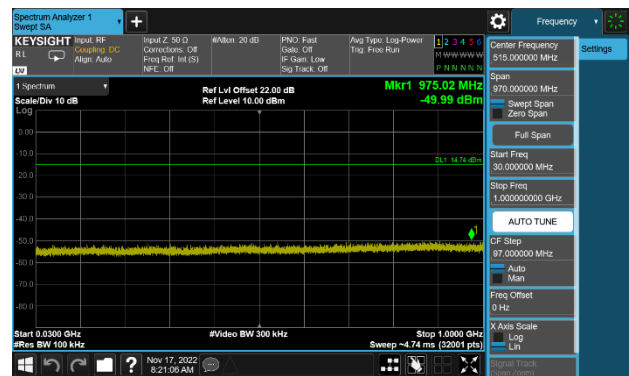


### Antenna 1

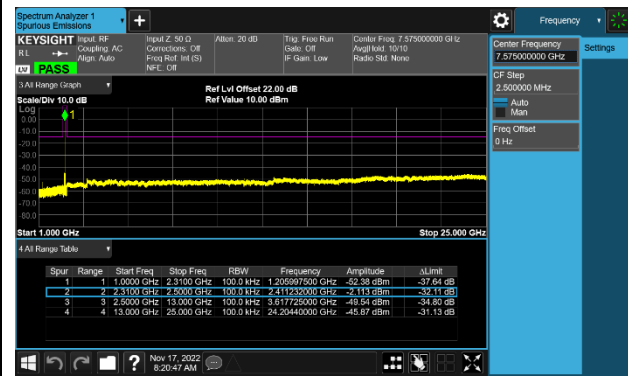
#### 802.11 b CH01 (2412MHz)



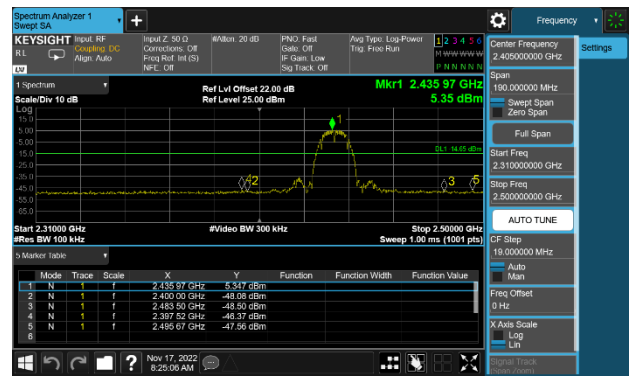
#### 802.11 b CH01 (2412MHz)



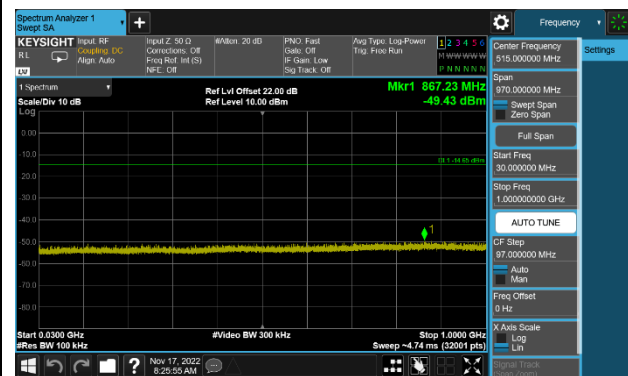
#### 802.11 b CH01 (2412MHz)



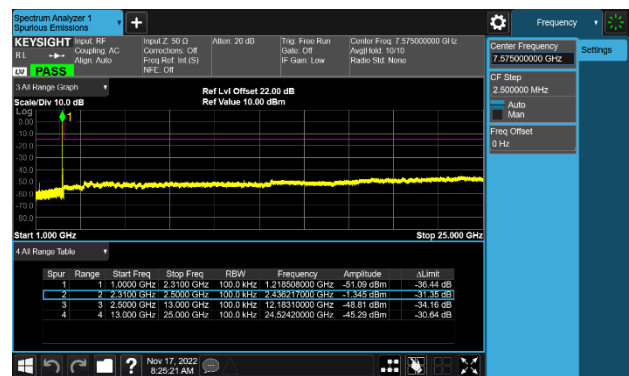
#### 802.11 b CH06 (2437MHz)



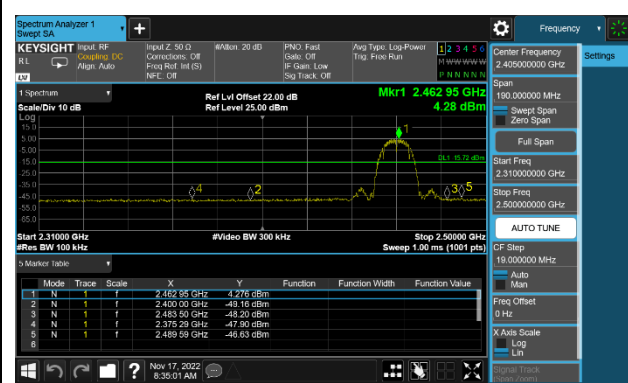
#### 802.11 b CH06 (2437MHz)



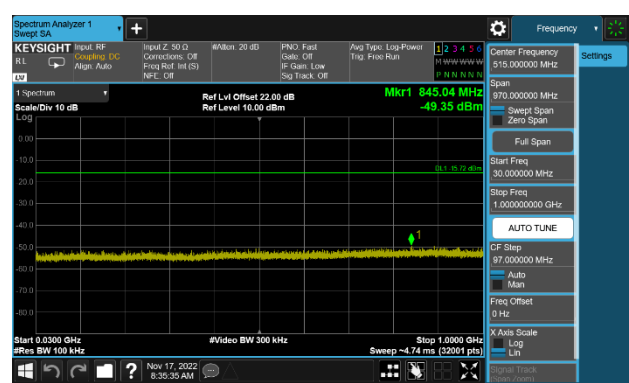
#### 802.11 b CH06 (2437MHz)



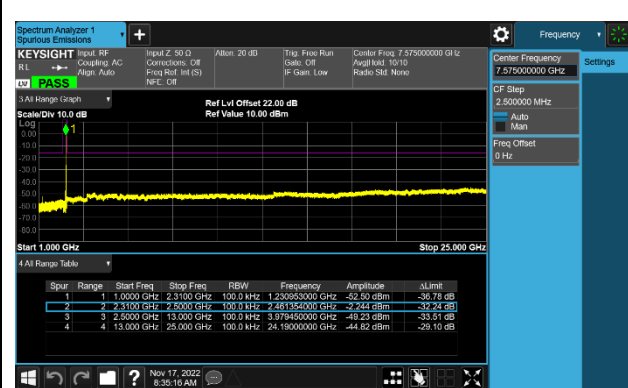
### 802.11 b CH11 (2462MHz)



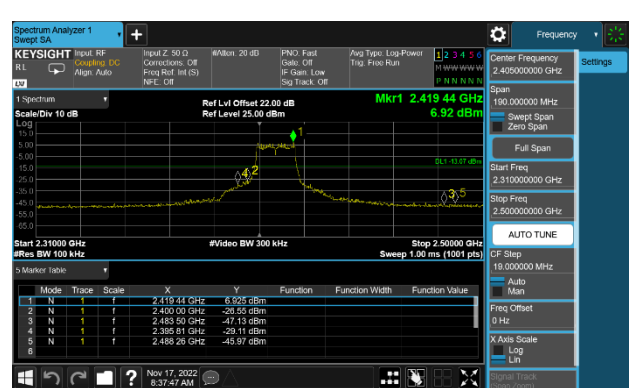
### 802.11 b CH11 (2462MHz)



### 802.11 b CH11 (2462MHz)



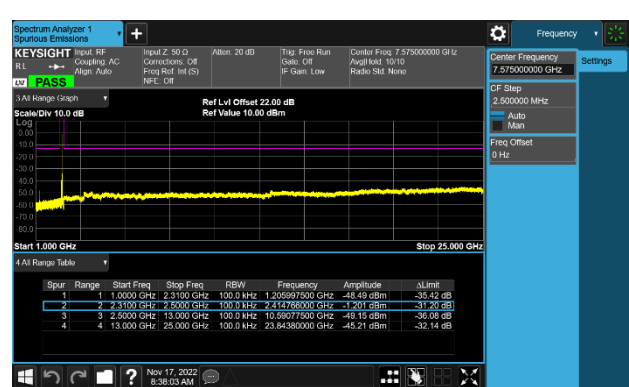
### 802.11 g CH01 (2412MHz)



### 802.11 g CH01 (2412MHz)



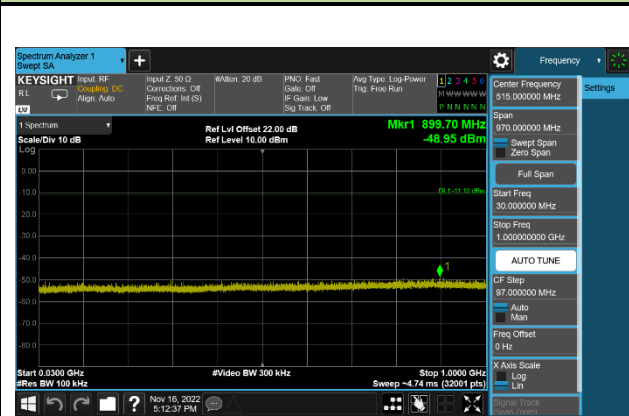
### 802.11 g CH01 (2412MHz)



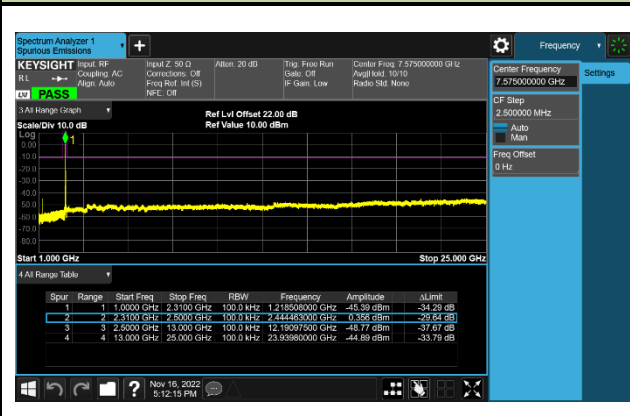
### 802.11 g CH06 (2437MHz)



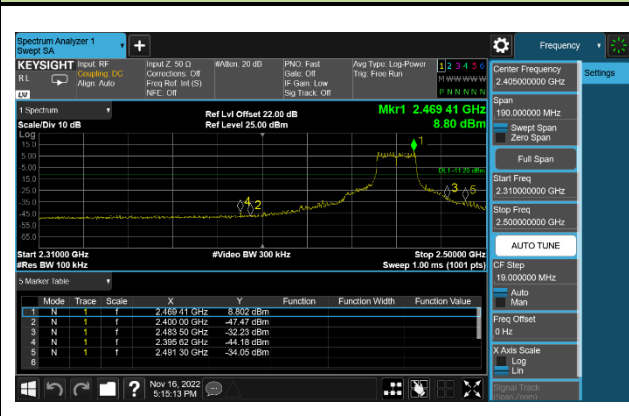
### 802.11 g CH06 (2437MHz)



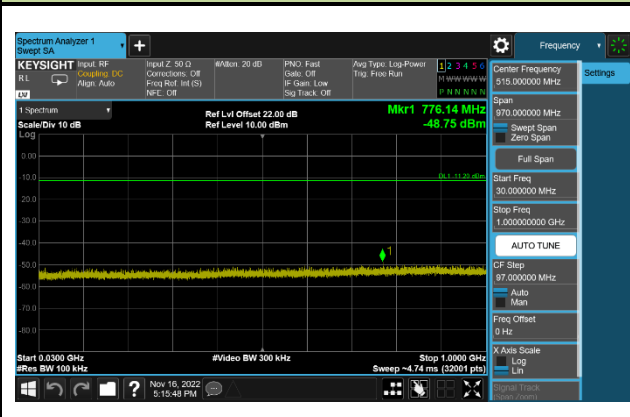
### 802.11 g CH06 (2437MHz)



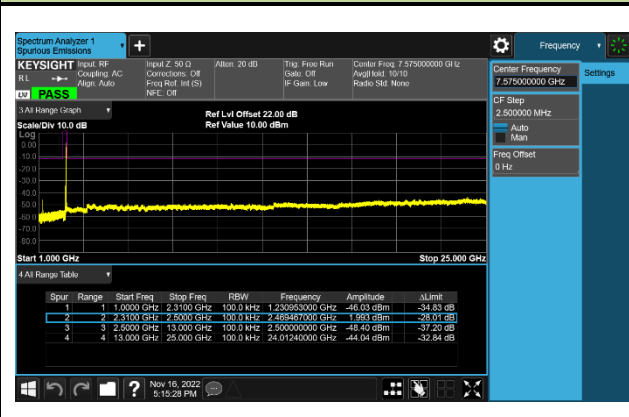
### 802.11 g CH11 (2462MHz)



### 802.11 g CH11 (2462MHz)



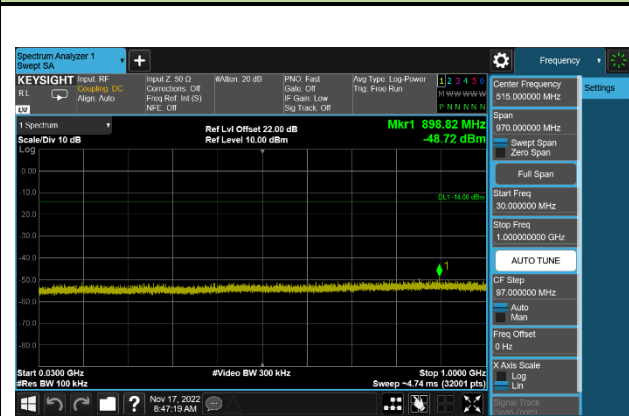
### 802.11 g CH11 (2462MHz)



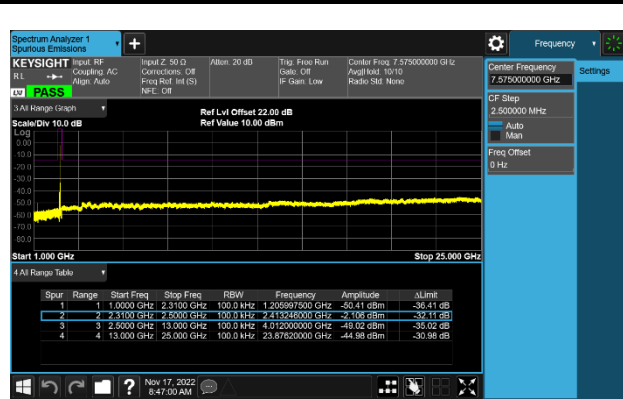
### 802.11 n20 CH01 (2412MHz)



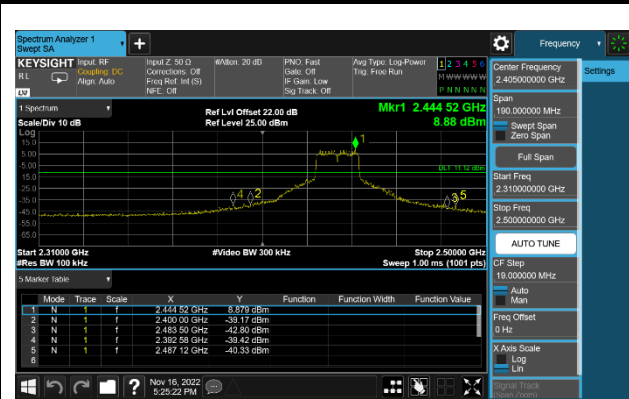
### 802.11 n20 CH01 (2412MHz)



### 802.11 n20 CH01 (2412MHz)



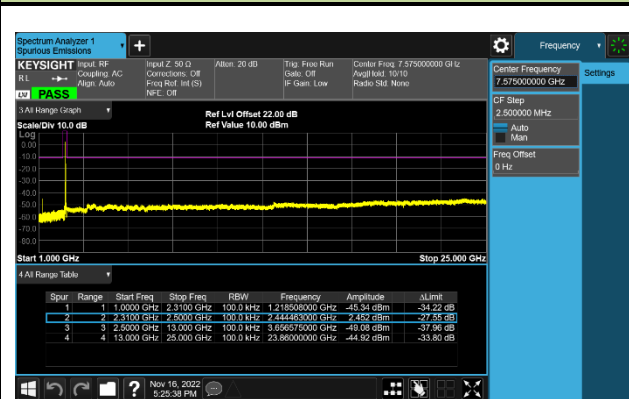
### 802.11 n20 CH06 (2437MHz)



### 802.11 n20 CH06 (2437MHz)



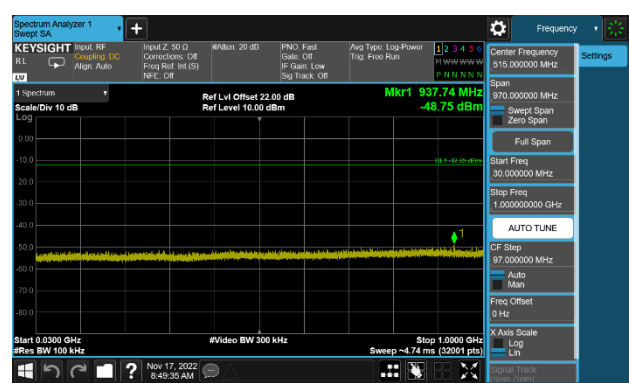
### 802.11 n20 CH06 (2437MHz)



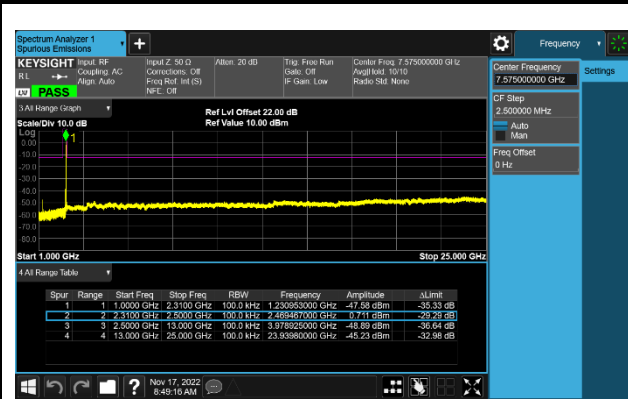
802.11 n20 CH11 (2462MHz)



802.11 n20 CH11 (2462MHz)



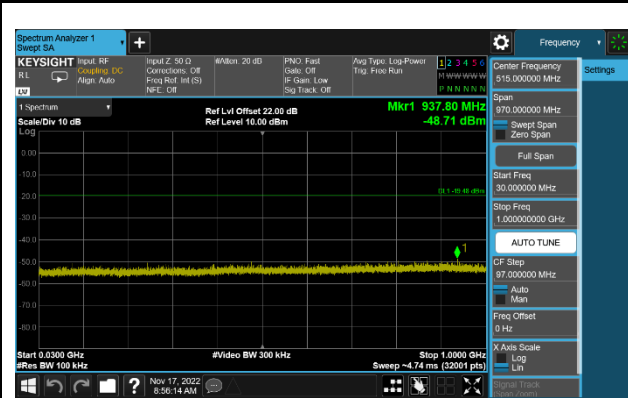
802.11 n20 CH11 (2462MHz)



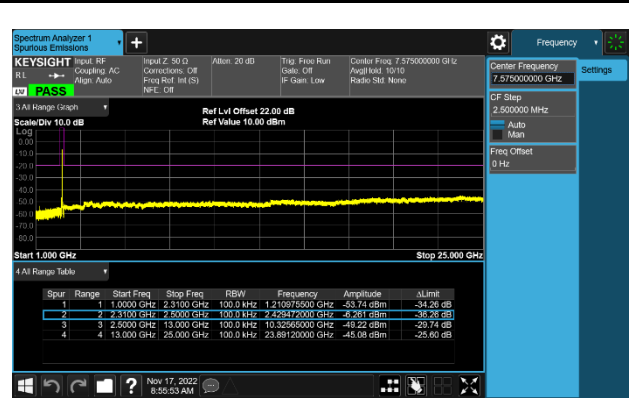
802.11 n40 CH03 (2422MHz)



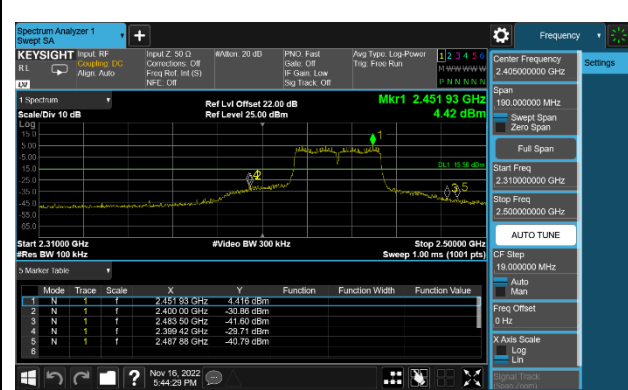
802.11 n40 CH03 (2422MHz)



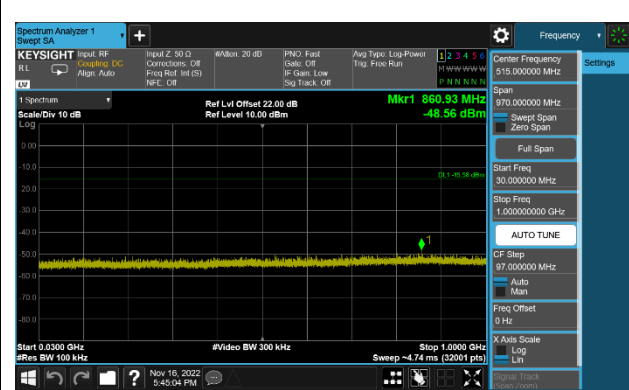
802.11 n40 CH03 (2422MHz)



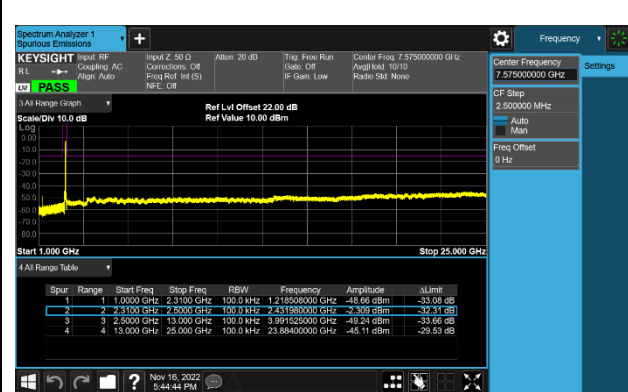
### 802.11 n40 CH06 (2437MHz)



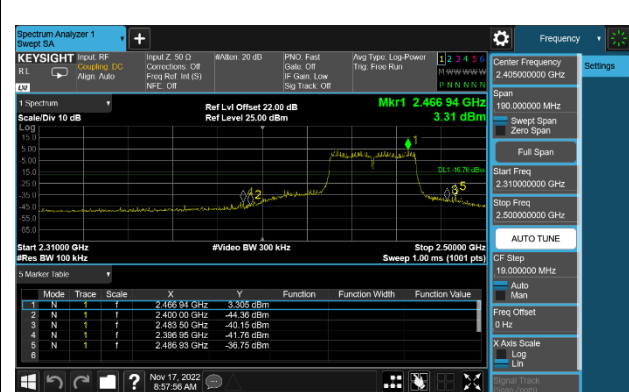
### 802.11 n40 CH06 (2437MHz)



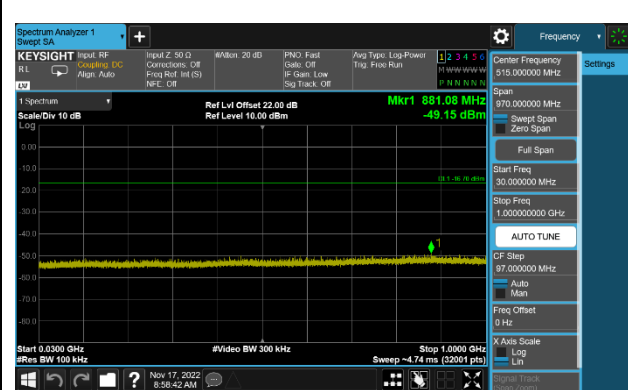
### 802.11 n40 CH06 (2437MHz)



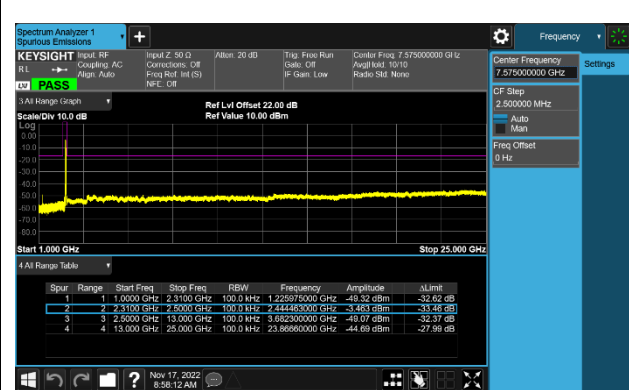
### 802.11 n40 CH09 (2452MHz)



### 802.11 n40 CH09 (2452MHz)



### 802.11 n40 CH09 (2452MHz)



## 7.6. Radiated Spurious Emission Measurement

### 7.6.1. 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

### 7.6.2. Test Procedure Used

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)



### 7.6.3. 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 = as specified in Table 1
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 = mssax 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  $\geq 98\%$ , set VBW = 10 Hz

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

4. Detector = Peak

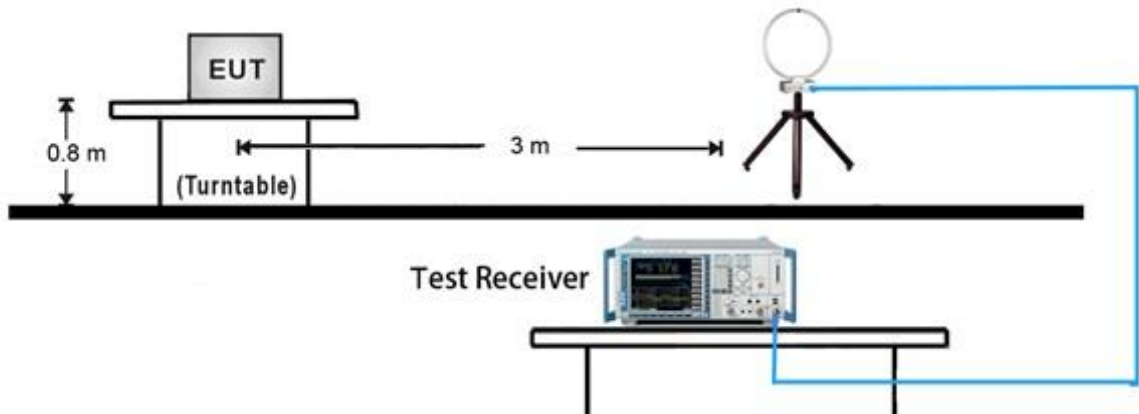
5. Sweep time = auto

6. Trace mode = max hold

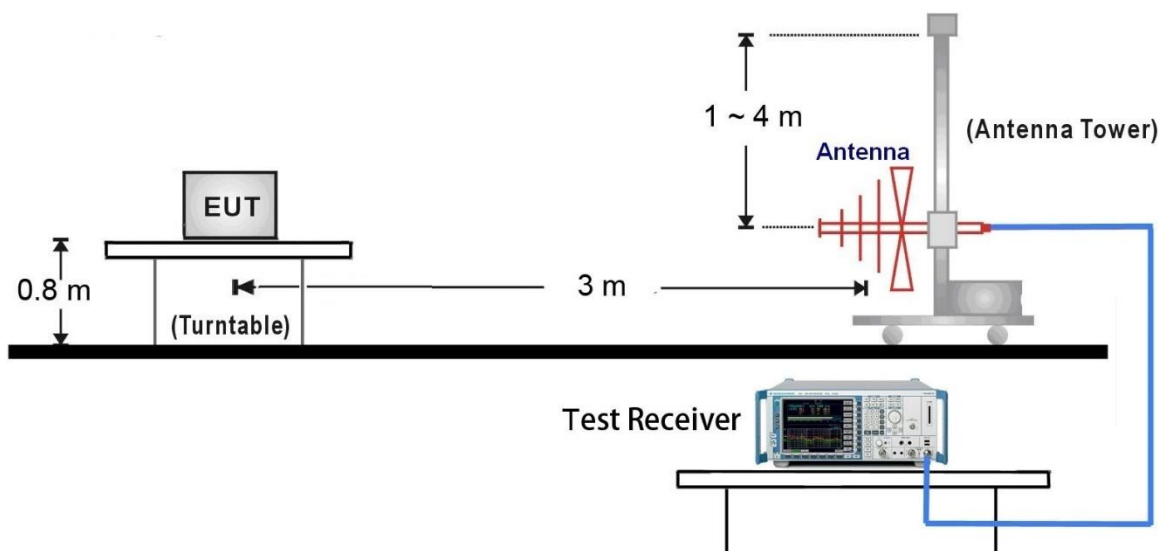
7. Trace was allowed to stabilize

### 7.6.4. Test Setup

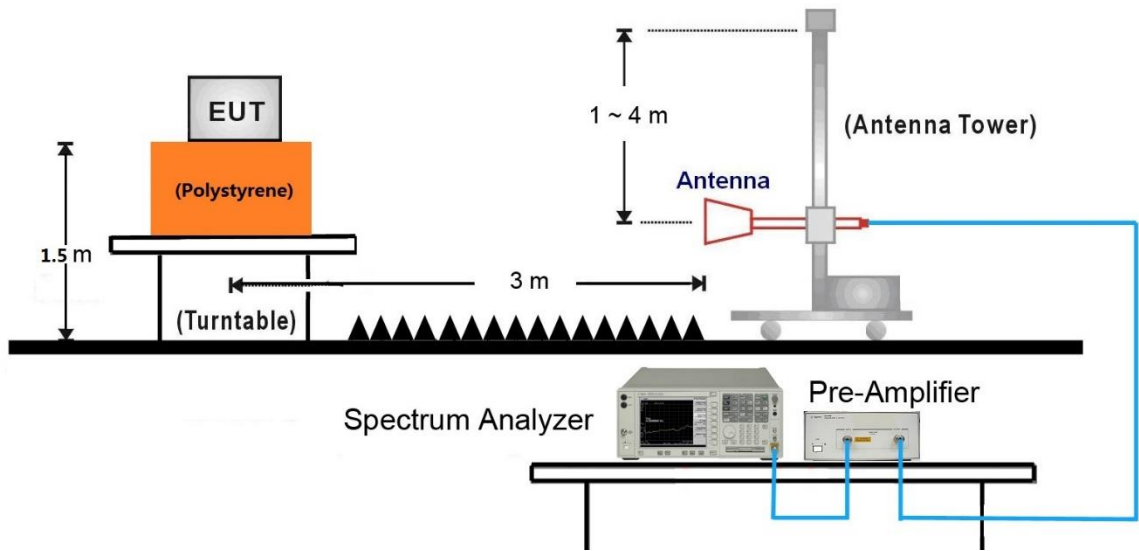
#### 9kHz ~ 30MHz Test Setup:



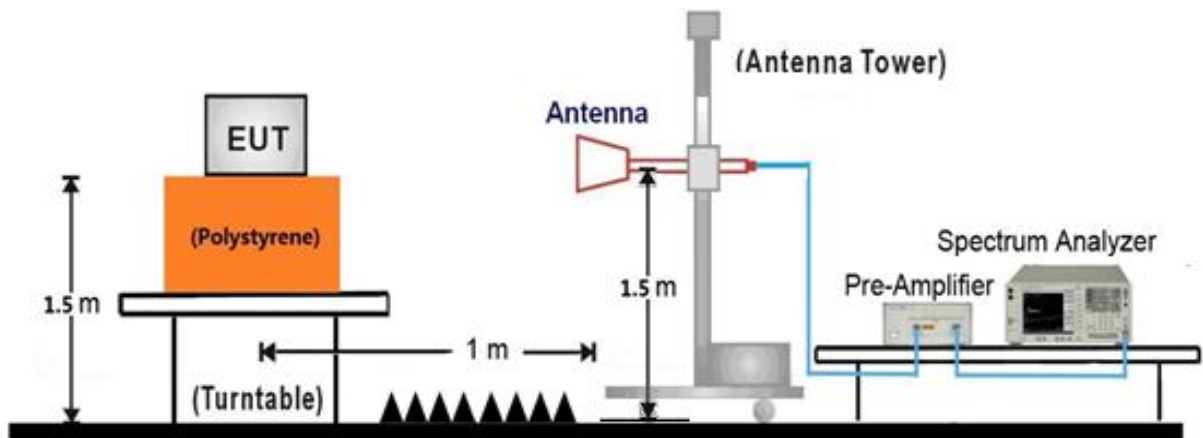
#### 30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

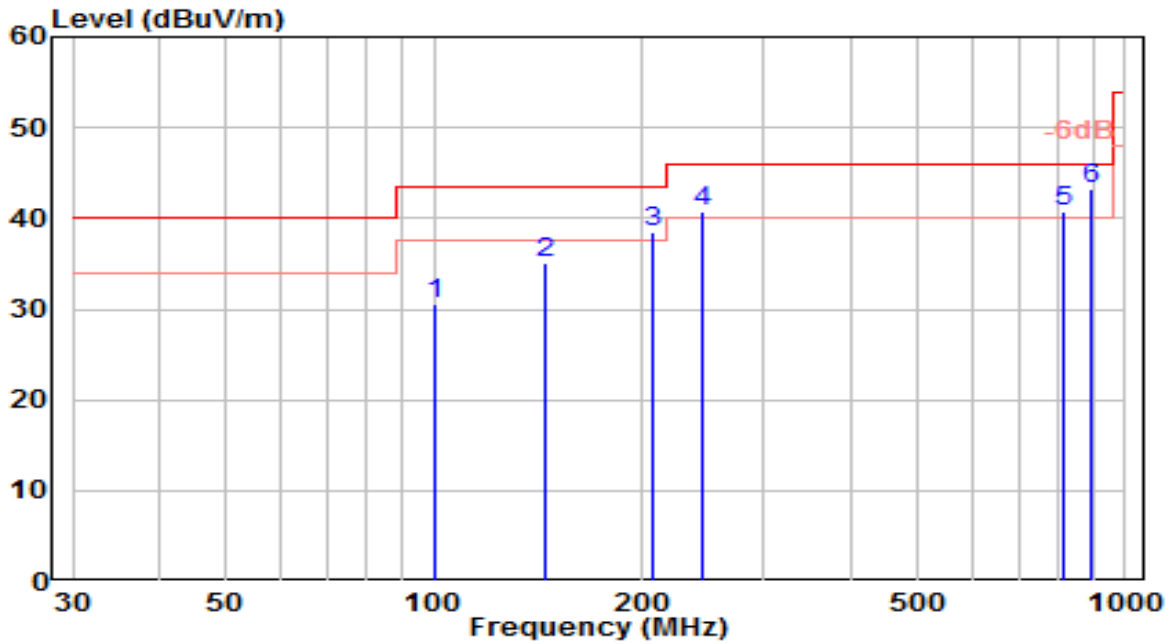


18GHz ~25GHz Test Setup:



### 7.6.5. Test Result

EUT	Monarch 12	Date of Test	2022-10-22
Factor	VULB 9162	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jeff
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

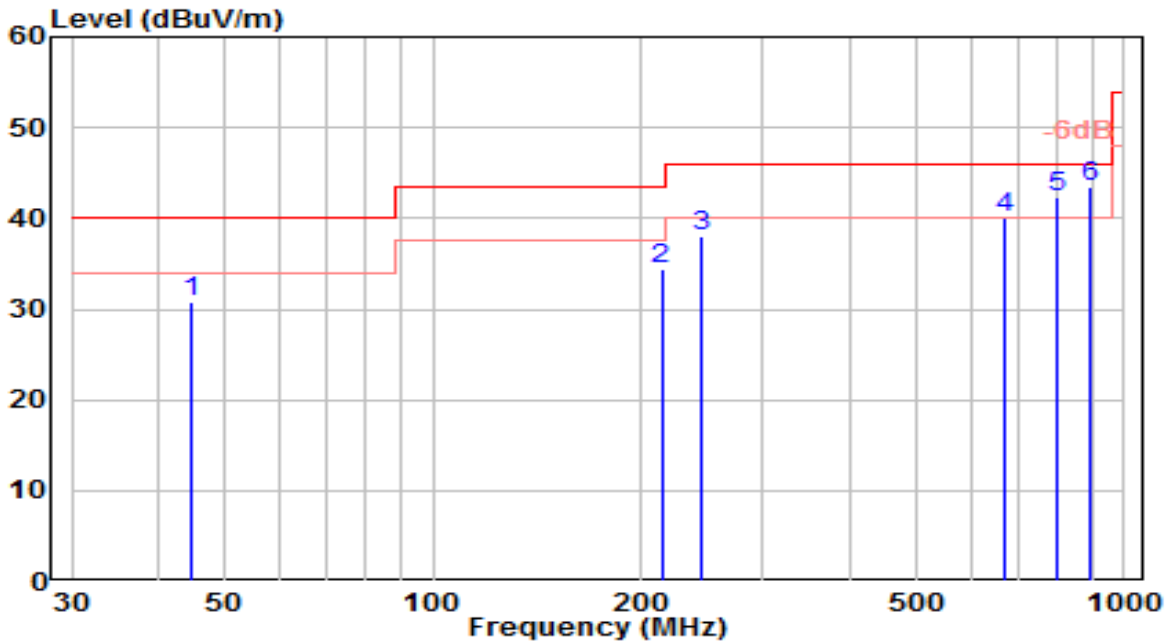


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	99.900	11.28	19.26	30.54	-12.96	43.50	100	235	QP
2	144.880	19.49	15.65	35.14	-8.36	43.50	100	80	QP
3	206.580	19.88	18.71	38.59	-4.91	43.50	115	170	QP
4	244.510	20.14	20.64	40.78	-5.22	46.00	130	165	QP
5	811.970	10.29	30.56	40.84	-5.16	46.00	100	215	QP
6	* 896.610	11.16	32.12	43.28	-2.72	46.00	100	100	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	Monarch 12	Date of Test	2022-10-22
Factor	VULB 9162	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Jeff
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

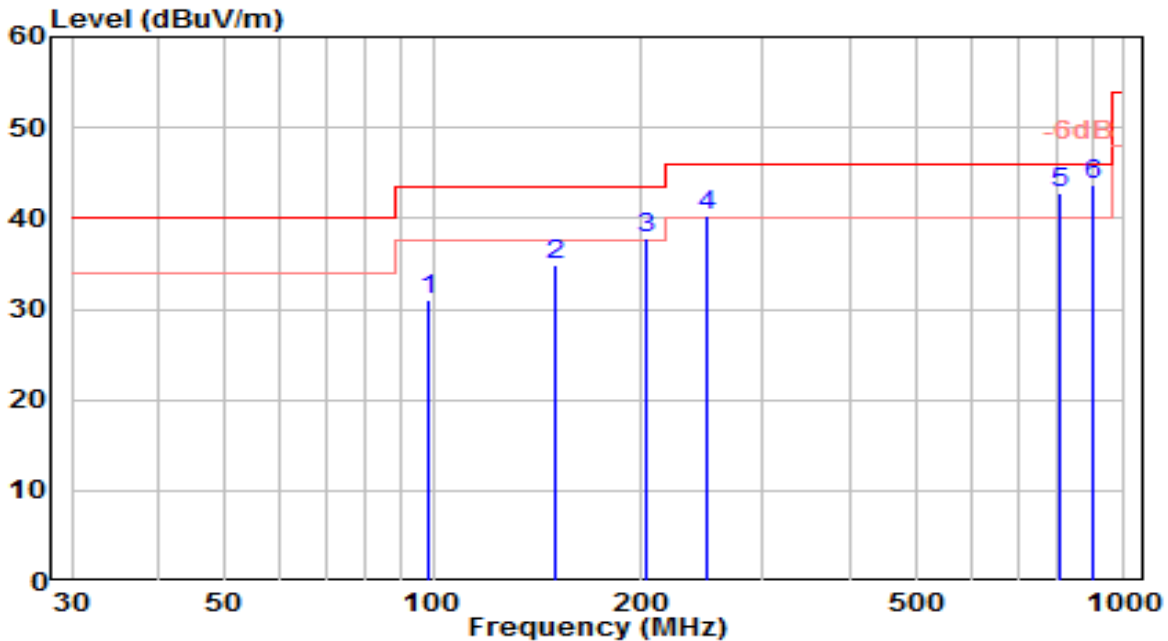


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	44.780	9.55	21.26	30.81	-9.19	40.00	100	35	QP
2	214.020	15.50	18.86	34.37	-9.13	43.50	100	225	QP
3	244.020	17.33	20.62	37.95	-8.05	46.00	100	255	QP
4	669.900	11.35	28.83	40.18	-5.82	46.00	100	50	QP
5	799.350	12.08	30.30	42.38	-3.62	46.00	100	120	QP
6	* 892.910	11.34	32.06	43.39	-2.61	46.00	100	85	QP

Note:

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

EUT	Monarch 12	Date of Test	2022-10-22
Factor	VULB 9162	Temp. / Humidity	24°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jeff
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

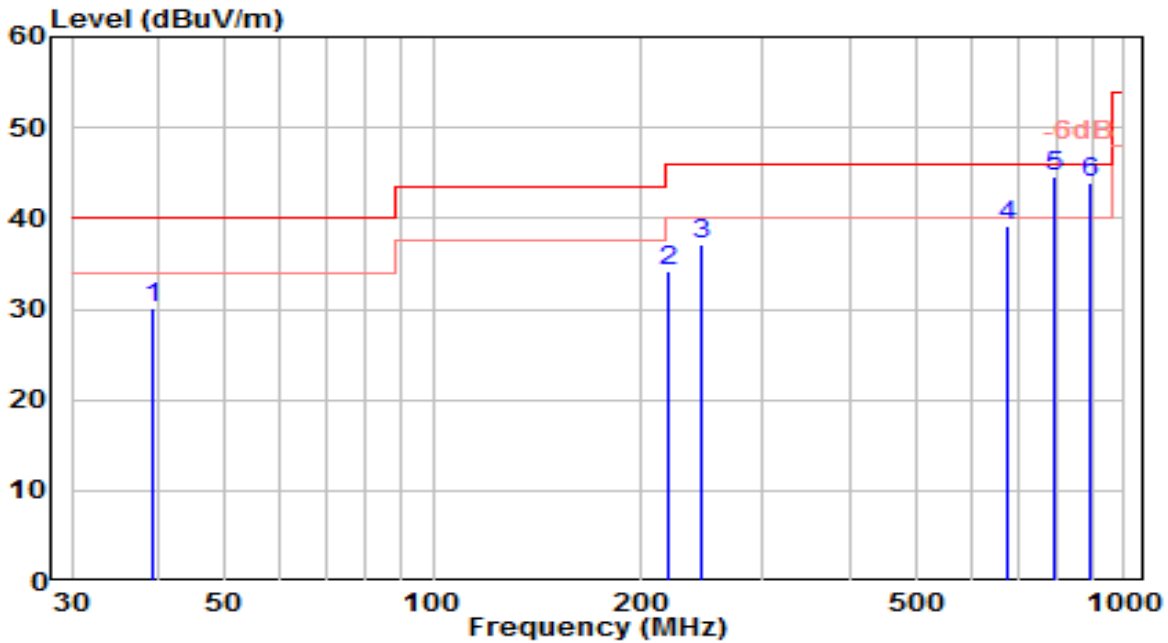


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	98.440	11.98	19.00	30.98	-12.52	43.50	100	155	QP
2	150.860	19.05	15.82	34.88	-8.62	43.50	100	335	QP
3	203.820	19.12	18.73	37.85	-5.65	43.50	115	30	QP
4	249.530	19.40	20.91	40.31	-5.69	46.00	130	20	QP
5	805.890	12.36	30.43	42.79	-3.21	46.00	100	355	QP
6	* 899.550	11.60	32.16	43.76	-2.24	46.00	100	350	QP

Note:

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

EUT	Monarch 12	Date of Test	2022-10-22
Factor	VULB 9162	Temp. / Humidity	24°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Jeff
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz



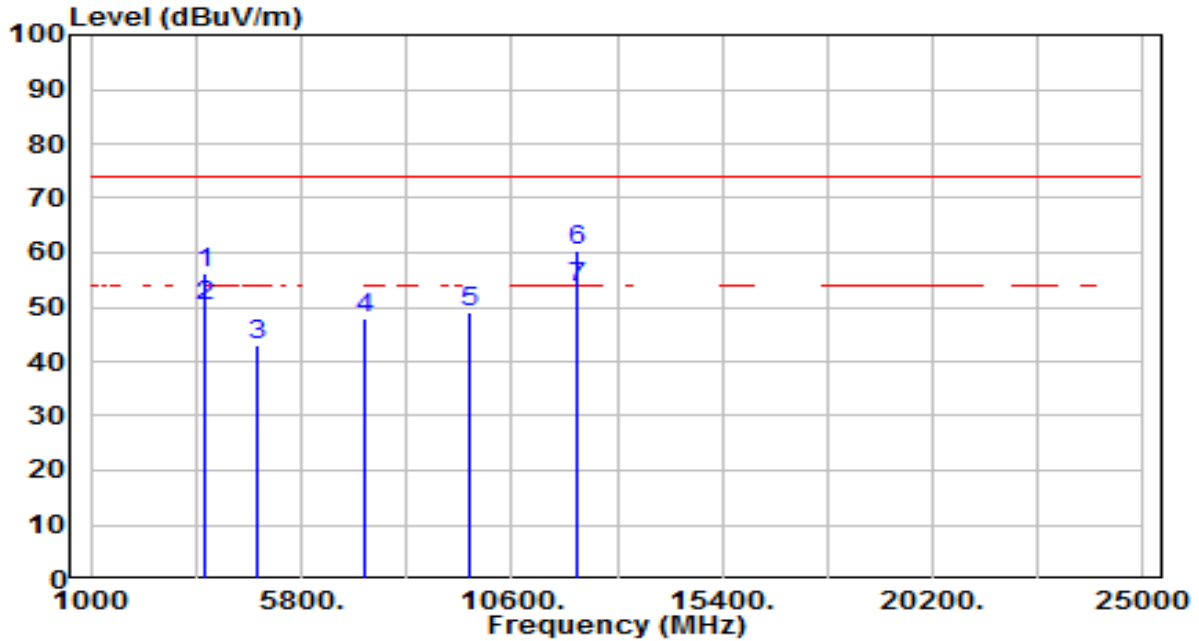
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	39.290	10.21	19.98	30.20	-9.80	40.00	100	325	QP
2	219.540	14.98	19.11	34.08	-11.92	46.00	100	200	QP
3	245.430	16.55	20.69	37.24	-8.76	46.00	100	280	QP
4	675.780	10.20	28.93	39.12	-6.88	46.00	100	300	QP
5	* 793.940	14.37	30.26	44.63	-1.37	46.00	100	5	QP
6	894.570	11.94	32.08	44.02	-1.98	46.00	100	65	QP

Note:

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



EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/60Hz

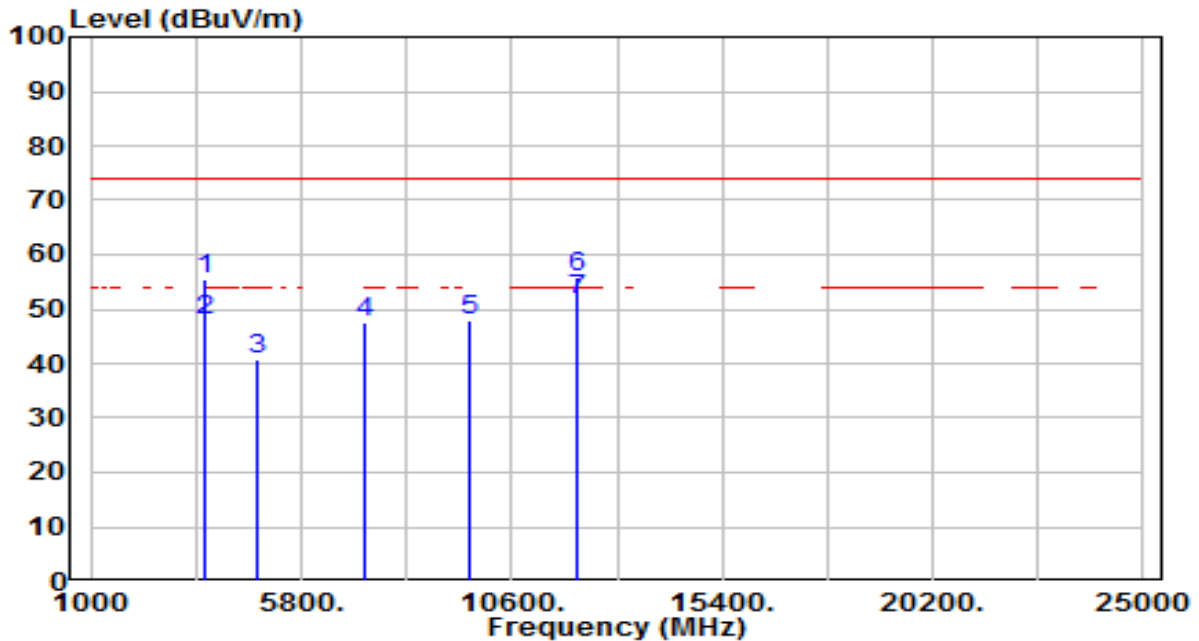


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3617.000	56.16	0.04	56.19	-17.81	74.00	200	170	Peak
2	3617.000	50.23	0.04	50.27	-3.73	54.00	200	170	Average
3	4824.000	39.52	3.65	43.17	-30.83	74.00	200	165	Peak
4	7236.000	36.21	11.80	48.01	-25.99	74.00	200	135	Peak
5	9648.000	33.43	15.77	49.19	-24.81	74.00	200	25	Peak
6	* 12060.000	41.62	18.91	60.53	-13.47	74.00	190	165	Peak
7	* 12060.000	34.56	18.91	53.47	-0.53	54.00	190	165	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/60Hz

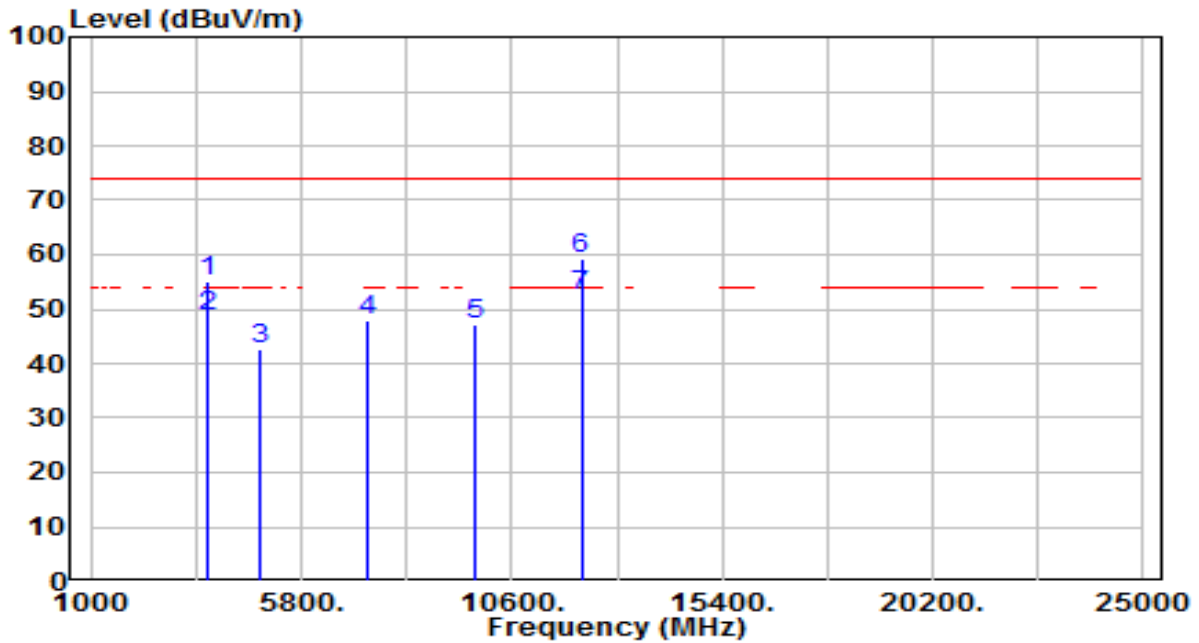


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3617.000	55.42	0.04	55.45	-18.55	74.00	200	160	Peak
2	3617.000	47.98	0.04	48.02	-5.98	54.00	200	160	Average
3	4824.000	37.22	3.65	40.87	-33.13	74.00	200	160	Peak
4	7236.000	35.91	11.80	47.72	-26.28	74.00	200	150	Peak
5	9648.000	32.05	15.77	47.81	-26.19	74.00	200	140	Peak
6 *	12060.000	36.88	18.91	55.80	-18.20	74.00	190	210	Peak
7 *	12060.000	32.79	18.91	51.71	-2.29	54.00	190	210	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

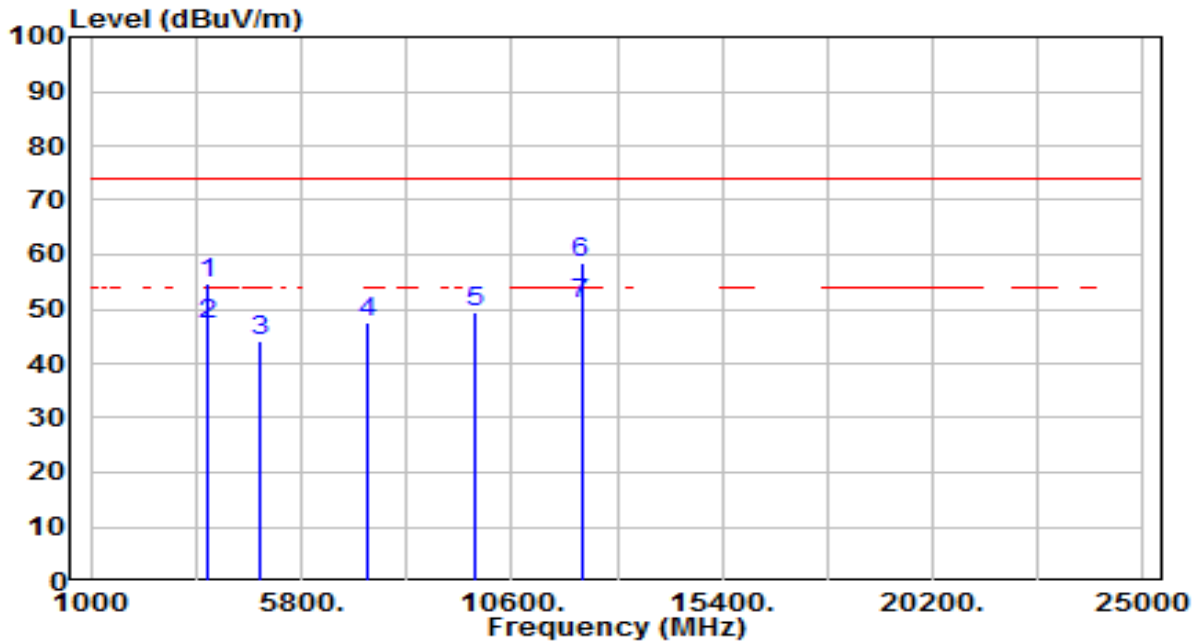


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3654.000	54.79	0.13	54.92	-19.08	74.00	205	190	Peak
2	3654.000	48.47	0.13	48.60	-5.40	54.00	205	190	Average
3	4874.000	38.84	3.74	42.57	-31.43	74.00	210	130	Peak
4	7311.000	35.87	12.11	47.98	-26.02	74.00	210	120	Peak
5	9748.000	31.39	15.95	47.34	-26.66	74.00	210	125	Peak
6	* 12185.000	40.58	18.80	59.37	-14.63	74.00	190	165	Peak
7	* 12185.000	33.79	18.80	52.59	-1.41	54.00	190	165	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

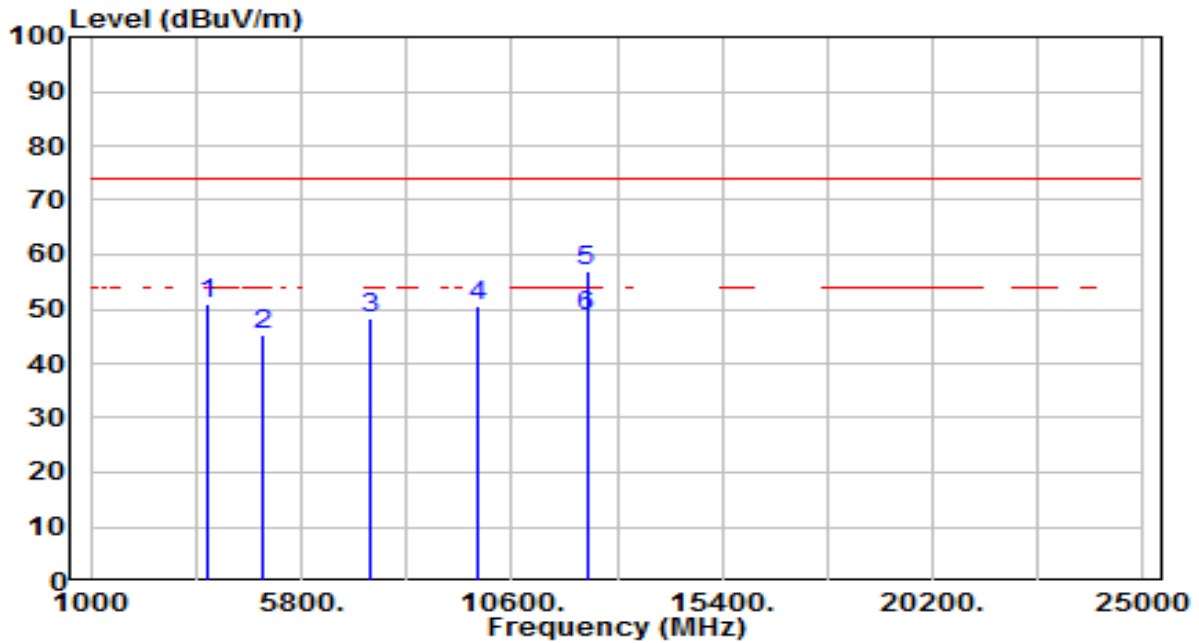


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3654.000	54.70	0.13	54.84	-19.16	74.00	200	170	Peak
2	3654.000	47.06	0.13	47.19	-6.81	54.00	200	170	Average
3	4874.000	40.23	3.74	43.97	-30.03	74.00	200	155	Peak
4	7311.000	35.30	12.11	47.41	-26.59	74.00	200	215	Peak
5	9748.000	33.62	15.95	49.58	-24.42	74.00	200	360	Peak
6 *	12185.000	39.61	18.80	58.41	-15.59	74.00	210	225	Peak
7 *	12185.000	32.13	18.80	50.93	-3.07	54.00	210	225	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

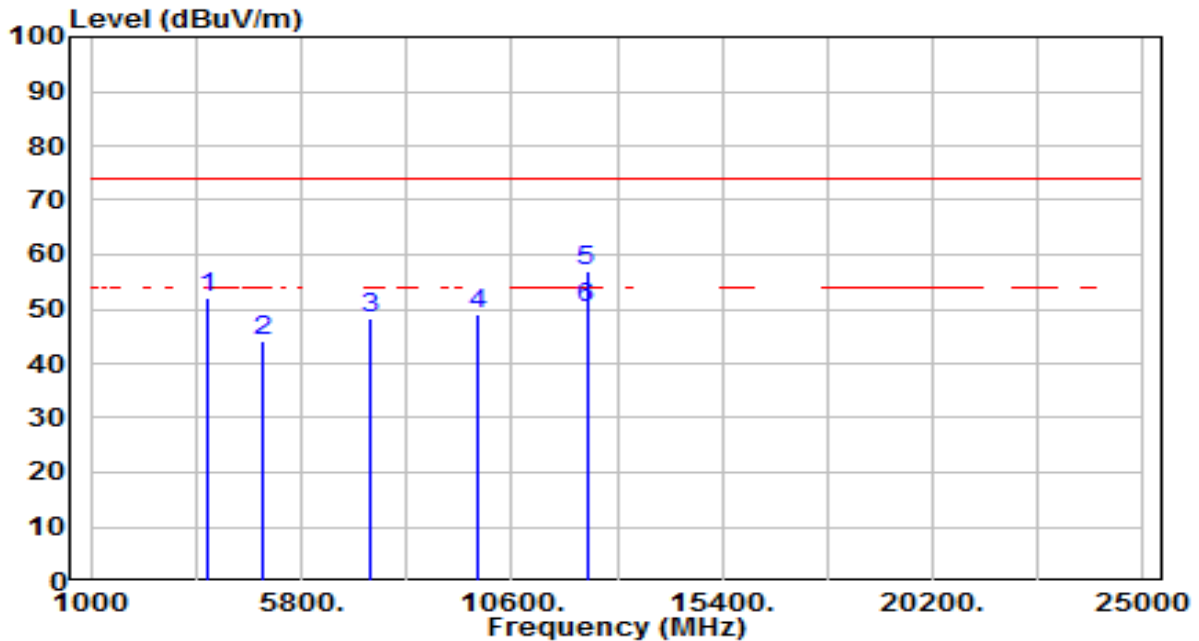


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3692.000	50.70	0.23	50.93	-23.07	74.00	205	150	Peak
2	4924.000	41.44	3.83	45.27	-28.73	74.00	200	175	Peak
3	7386.000	35.87	12.42	48.29	-25.71	74.00	200	135	Peak
4	9848.000	34.45	16.14	50.59	-23.41	74.00	200	40	Peak
5 *	12310.000	38.44	18.68	57.12	-16.88	74.00	205	150	Peak
6 *	12310.000	30.04	18.68	48.72	-5.28	54.00	205	150	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

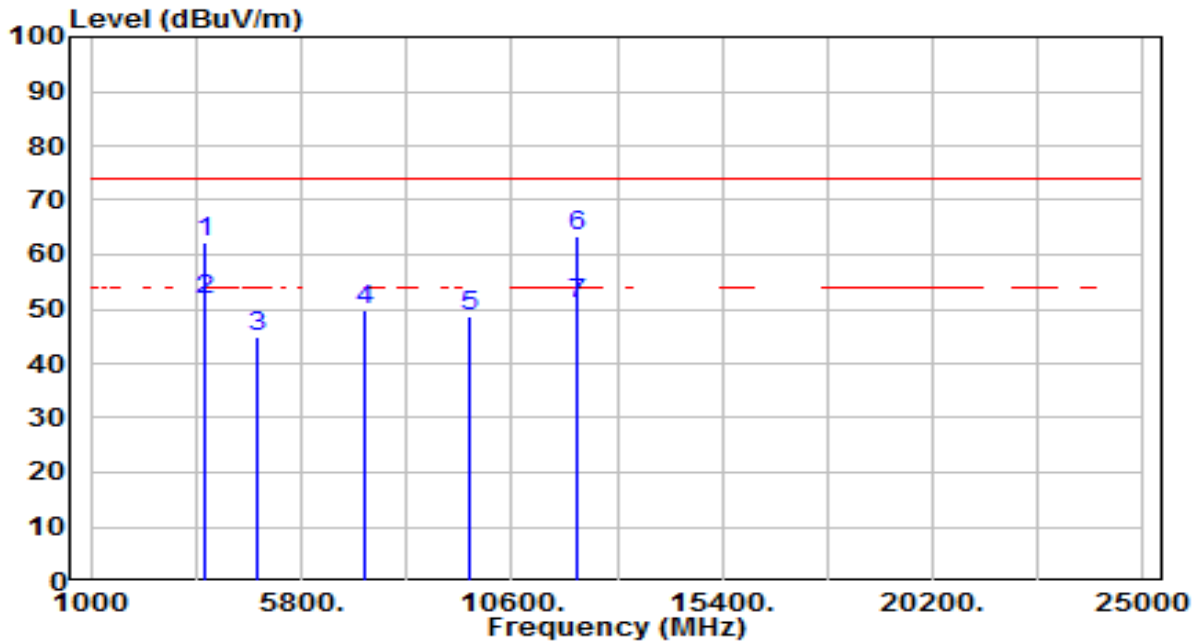


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3693.000	51.92	0.24	52.16	-21.84	74.00	200	175	Peak
2	4924.000	40.25	3.83	44.08	-29.92	74.00	200	80	Peak
3	7386.000	35.75	12.42	48.18	-25.82	74.00	200	10	Peak
4	9848.000	32.93	16.14	49.07	-24.93	74.00	200	25	Peak
5 *	12310.000	38.23	18.68	56.91	-17.09	74.00	210	220	Peak
6 *	12310.000	31.55	18.68	50.23	-3.77	54.00	210	220	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

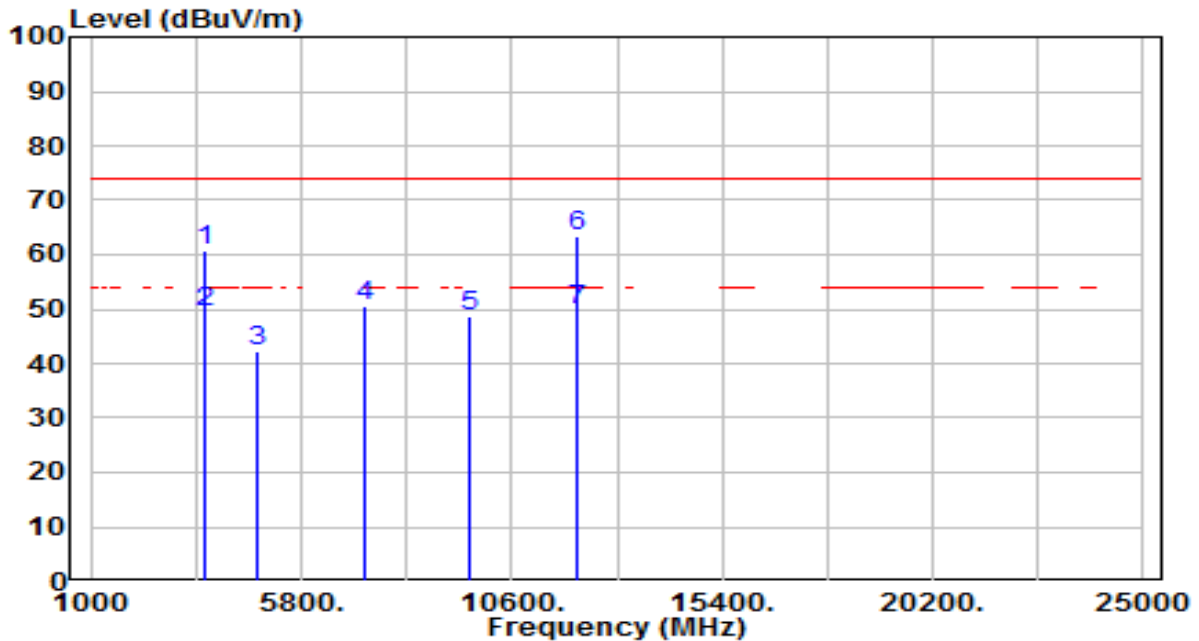


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3624.000	62.25	0.05	62.30	-11.70	74.00	200	180	Peak
2	* 3624.000	51.54	0.05	51.59	-2.41	54.00	200	180	Average
3	4824.000	41.40	3.65	45.04	-28.96	74.00	200	165	Peak
4	7236.000	37.86	11.80	49.66	-24.34	74.00	200	135	Peak
5	9648.000	32.82	15.77	48.59	-25.41	74.00	200	345	Peak
6	12060.000	44.40	18.91	63.32	-10.68	74.00	200	165	Peak
7	12060.000	31.87	18.91	50.78	-3.22	54.00	200	165	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz



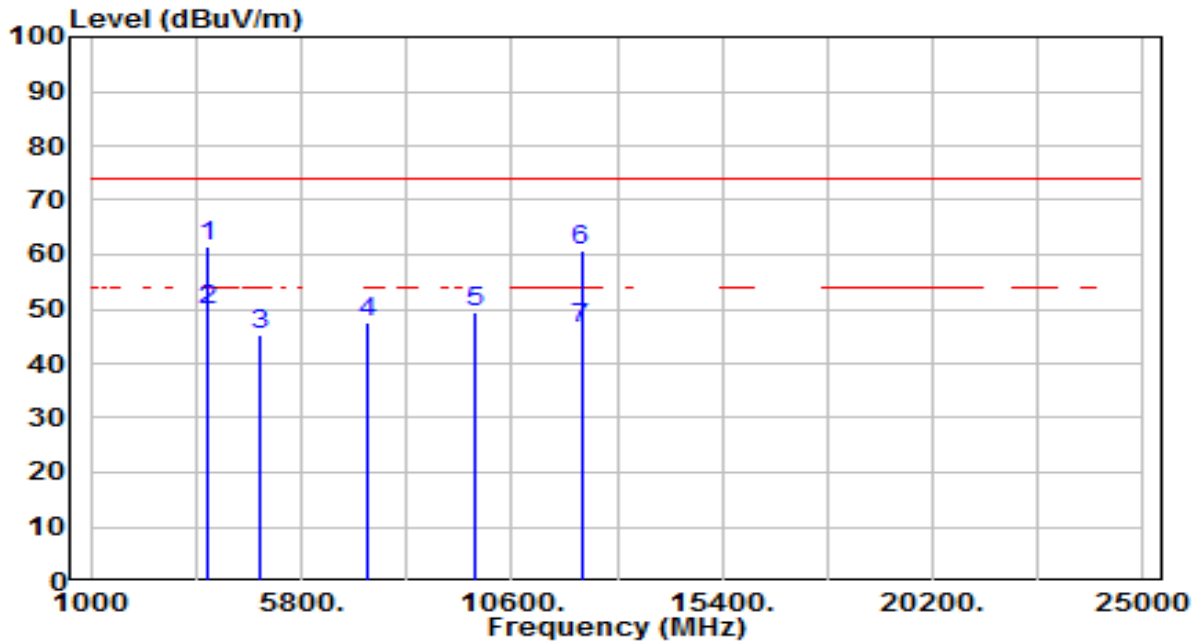
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	3621.000	60.75	0.05	60.80	-13.20	74.00	200	170	Peak
2	3621.000	49.33	0.05	49.38	-4.62	54.00	200	170	Average
3	4824.000	38.53	3.65	42.18	-31.82	74.00	200	155	Peak
4	7236.000	38.63	11.80	50.44	-23.56	74.00	200	155	Peak
5	9648.000	32.94	15.77	48.70	-25.30	74.00	200	335	Peak
6 *	12060.000	44.34	18.91	63.25	-10.75	74.00	200	230	Peak
7 *	12060.000	30.80	18.91	49.71	-4.29	54.00	200	230	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

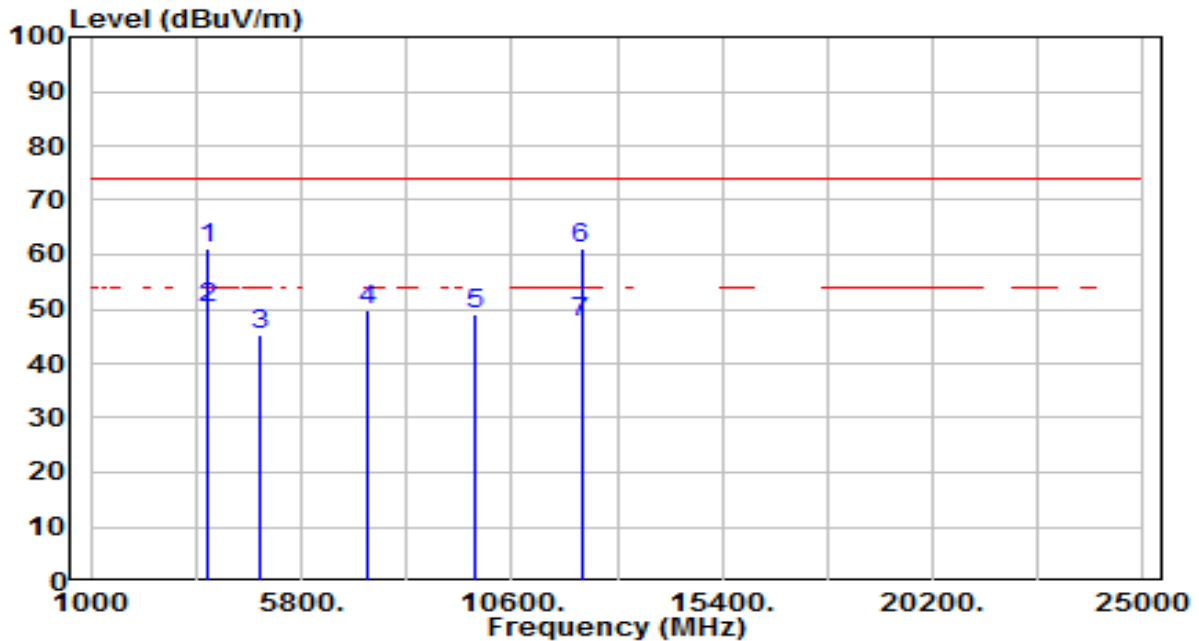


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	3652.000	61.28	0.13	61.41	-12.59	74.00	200	160	Peak
2	*	3652.000	49.85	0.13	49.98	-4.02	54.00	200	160	Average
3		4874.000	41.66	3.74	45.40	-28.60	74.00	200	200	Peak
4		7311.000	35.55	12.11	47.67	-26.33	74.00	200	135	Peak
5		9748.000	33.52	15.95	49.47	-24.53	74.00	200	120	Peak
6		12185.000	41.94	18.80	60.74	-13.26	74.00	200	185	Peak
7		12185.000	27.58	18.80	46.38	-7.62	54.00	200	185	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

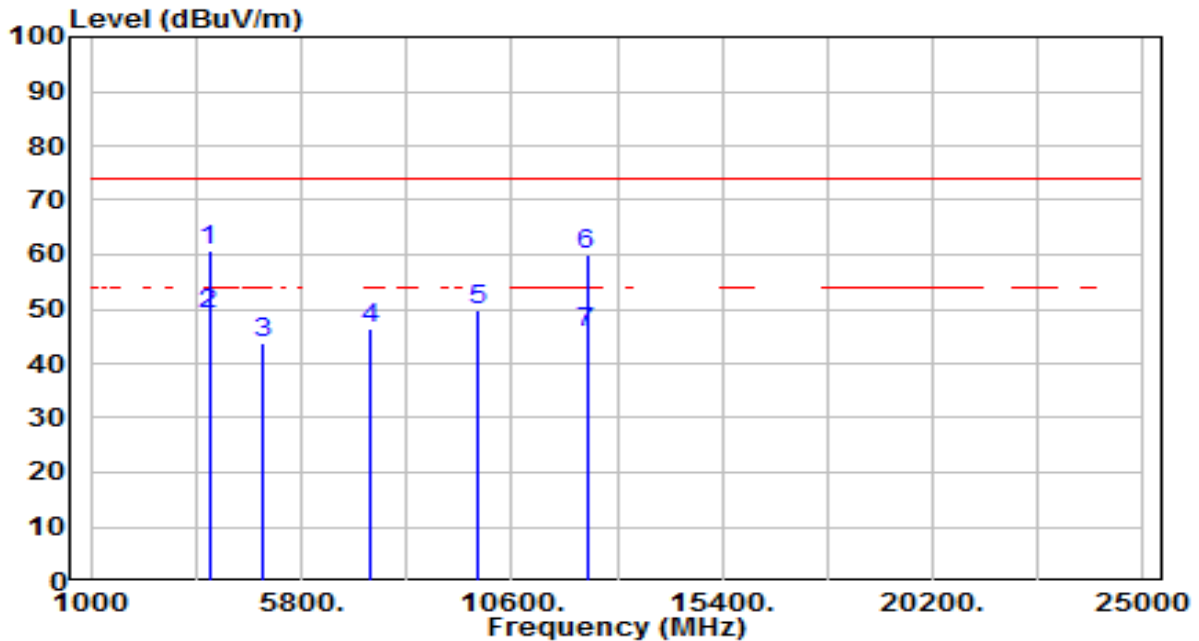


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3659.000	60.80	0.15	60.95	-13.05	74.00	210	165	Peak
2	* 3659.000	49.96	0.15	50.11	-3.89	54.00	210	165	Average
3	4874.000	41.72	3.74	45.46	-28.54	74.00	200	160	Peak
4	7311.000	37.84	12.11	49.95	-24.05	74.00	200	140	Peak
5	9748.000	33.23	15.95	49.18	-24.82	74.00	200	360	Peak
6	12185.000	42.35	18.80	61.15	-12.85	74.00	185	235	Peak
7	12185.000	28.82	18.80	47.62	-6.38	54.00	185	235	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

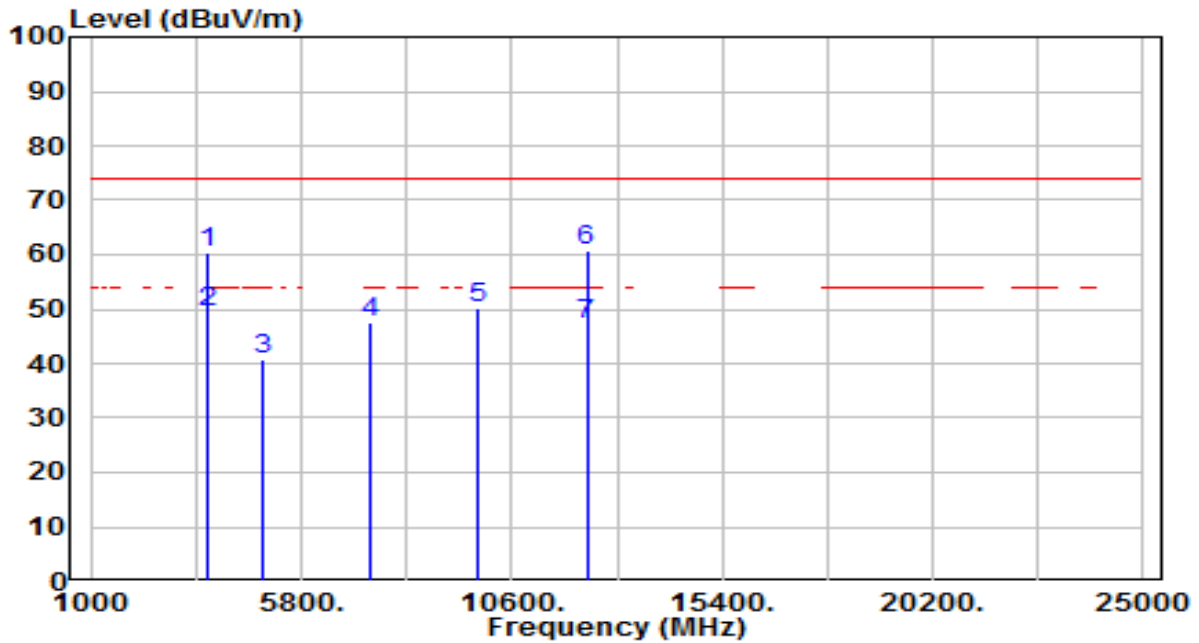


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3696.000	60.45	0.24	60.69	-13.31	74.00	200	160	Peak
2	* 3696.000	48.86	0.24	49.10	-4.90	54.00	200	160	Average
3	4924.000	39.97	3.83	43.80	-30.20	74.00	200	170	Peak
4	7386.000	34.06	12.42	46.49	-27.51	74.00	200	175	Peak
5	9848.000	33.78	16.14	49.92	-24.08	74.00	200	360	Peak
6	12310.000	41.33	18.68	60.01	-13.99	74.00	200	200	Peak
7	12310.000	26.79	18.68	45.47	-8.53	54.00	200	200	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

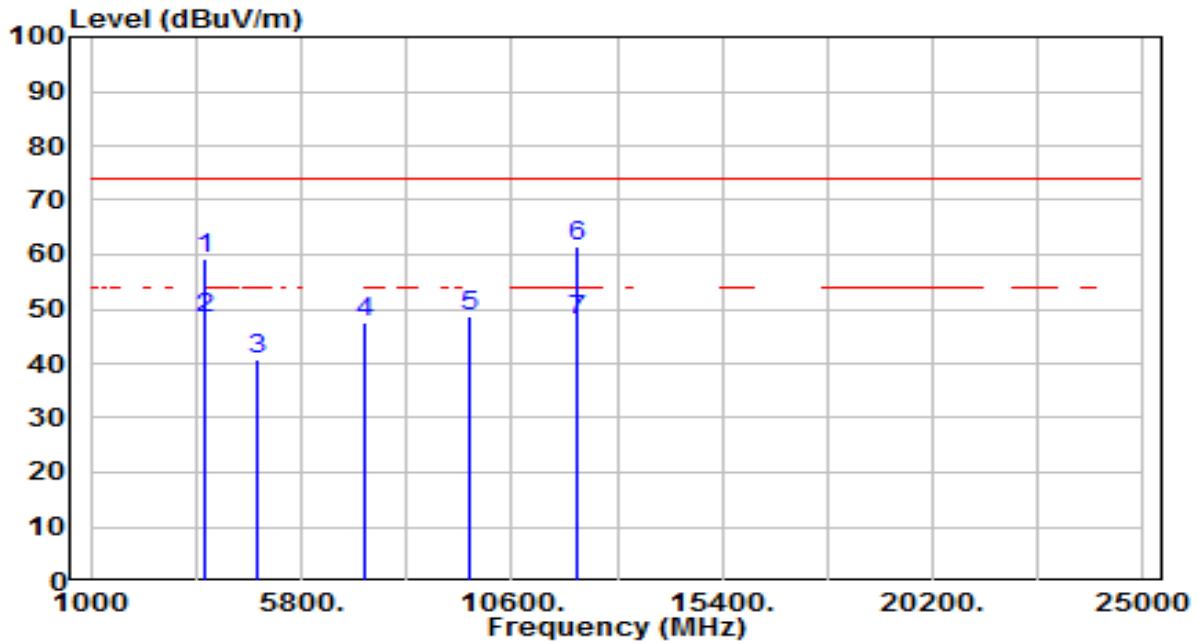


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3685.000	60.23	0.21	60.45	-13.55	74.00	200	160	Peak
2	* 3685.000	49.12	0.21	49.33	-4.67	54.00	200	160	Average
3	4924.000	36.87	3.83	40.70	-33.30	74.00	200	135	Peak
4	7386.000	34.98	12.42	47.40	-26.60	74.00	200	235	Peak
5	9848.000	34.11	16.14	50.24	-23.76	74.00	200	90	Peak
6	12310.000	41.91	18.68	60.59	-13.41	74.00	200	235	Peak
7	12310.000	28.36	18.68	47.04	-6.96	54.00	200	235	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

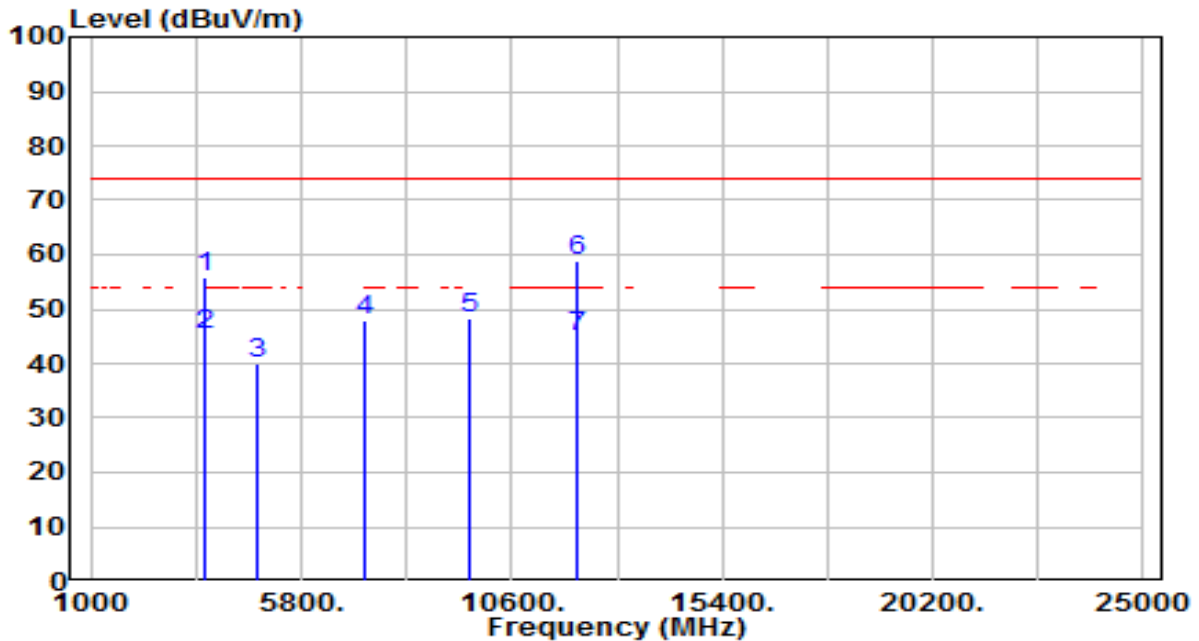


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3613.000	59.37	0.03	59.40	-14.60	74.00	200	185	Peak
2	* 3613.000	48.36	0.03	48.39	-5.61	54.00	200	185	Average
3	4824.000	37.26	3.65	40.91	-33.09	74.00	200	185	Peak
4	7236.000	35.66	11.80	47.47	-26.53	74.00	200	70	Peak
5	9648.000	33.01	15.77	48.78	-25.22	74.00	200	185	Peak
6	12060.000	42.54	18.91	61.45	-12.55	74.00	200	165	Peak
7	12060.000	29.09	18.91	48.00	-6.00	54.00	200	165	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

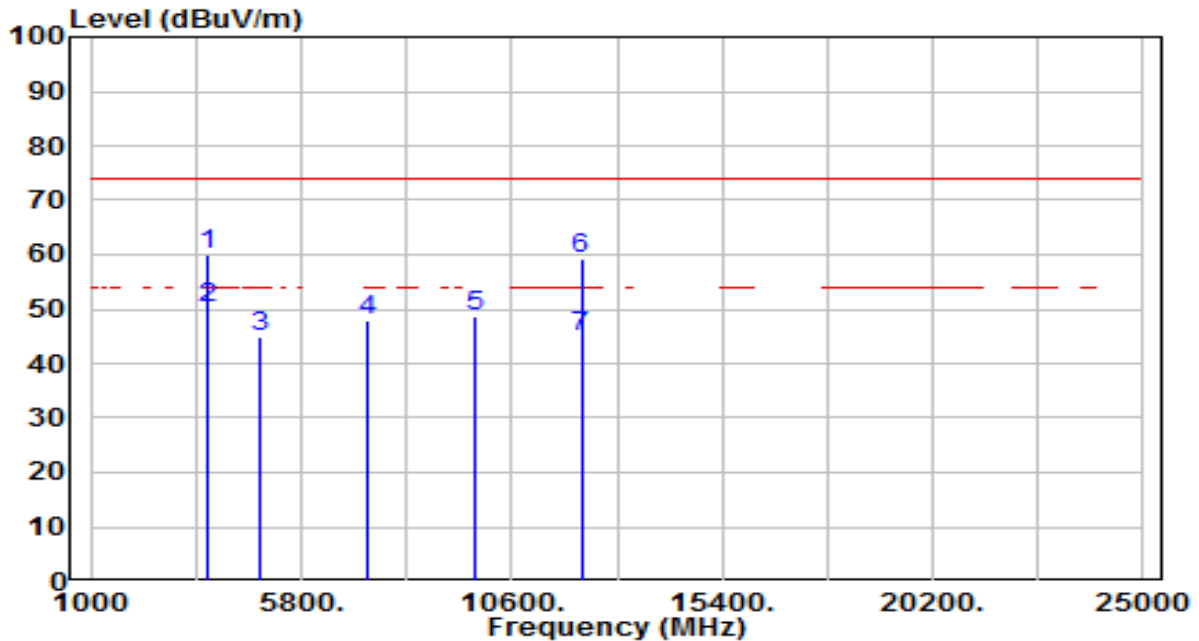


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3624.000	55.83	0.05	55.88	-18.12	74.00	200	150	Peak
2	* 3624.000	45.07	0.05	45.12	-8.88	54.00	200	150	Average
3	4824.000	36.50	3.65	40.15	-33.85	74.00	200	90	Peak
4	7236.000	36.17	11.80	47.97	-26.03	74.00	200	145	Peak
5	9648.000	32.52	15.77	48.29	-25.71	74.00	200	45	Peak
6	12060.000	40.02	18.91	58.93	-15.07	74.00	200	125	Peak
7	12060.000	25.91	18.91	44.82	-9.18	54.00	200	125	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

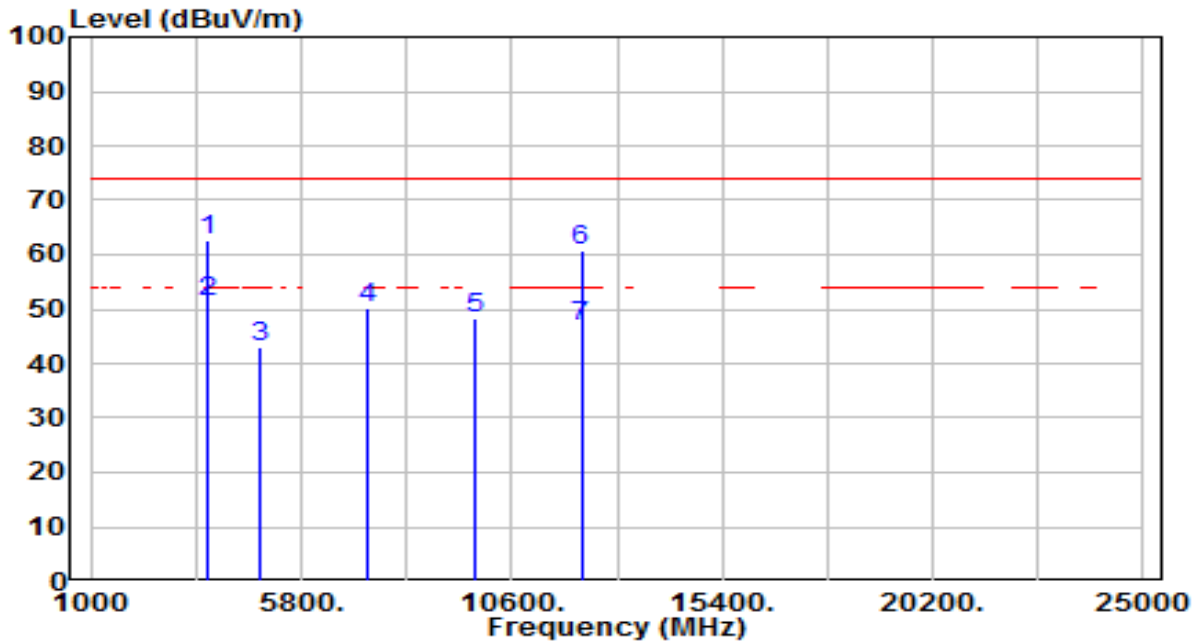


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	3656.000	60.01	0.14	60.15	-13.85	74.00	200	170	Peak
2	*	3656.000	50.06	0.14	50.20	-3.80	54.00	200	170	Average
3		4874.000	41.17	3.74	44.90	-29.10	74.00	200	175	Peak
4		7311.000	35.71	12.11	47.82	-26.18	74.00	200	145	Peak
5		9748.000	32.86	15.95	48.82	-25.18	74.00	200	345	Peak
6		12185.000	40.43	18.80	59.22	-14.78	74.00	200	190	Peak
7		12185.000	26.24	18.80	45.04	-8.96	54.00	200	190	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz



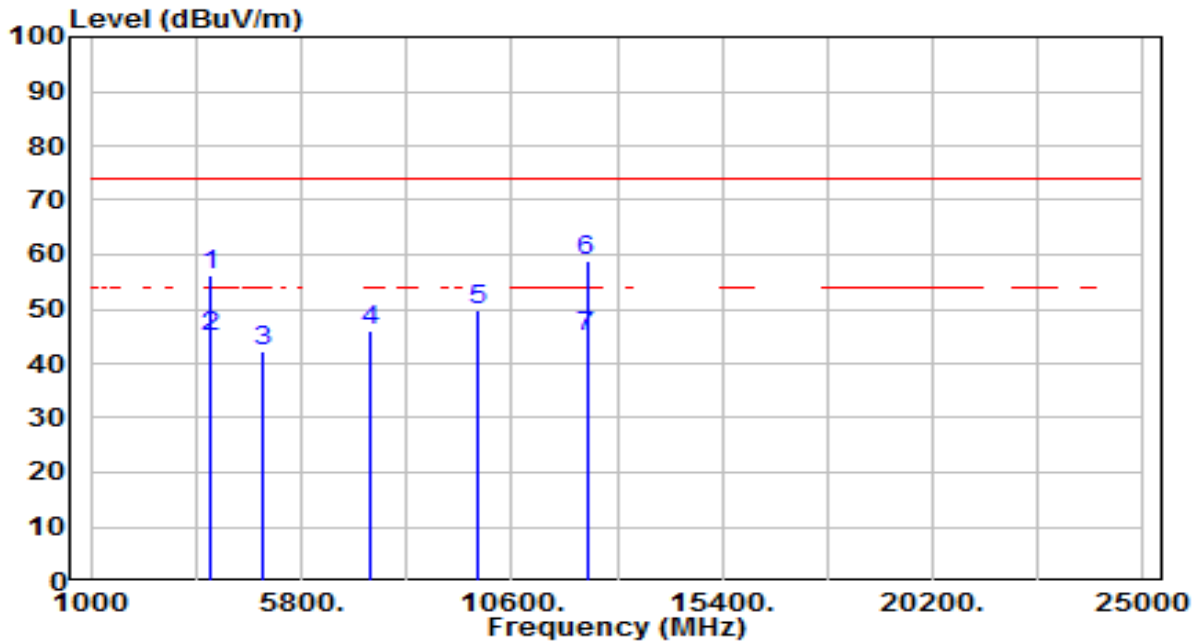
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3650.000	62.49	0.12	62.62	-11.38	74.00	200	165	Peak
2	* 3650.000	51.24	0.12	51.36	-2.64	54.00	200	165	Average
3	4874.000	39.40	3.74	43.14	-30.86	74.00	200	155	Peak
4	7311.000	38.12	12.11	50.23	-23.77	74.00	200	175	Peak
5	9748.000	32.50	15.95	48.45	-25.55	74.00	200	360	Peak
6	12185.000	41.94	18.80	60.74	-13.26	74.00	200	240	Peak
7	12185.000	27.86	18.80	46.66	-7.34	54.00	200	240	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

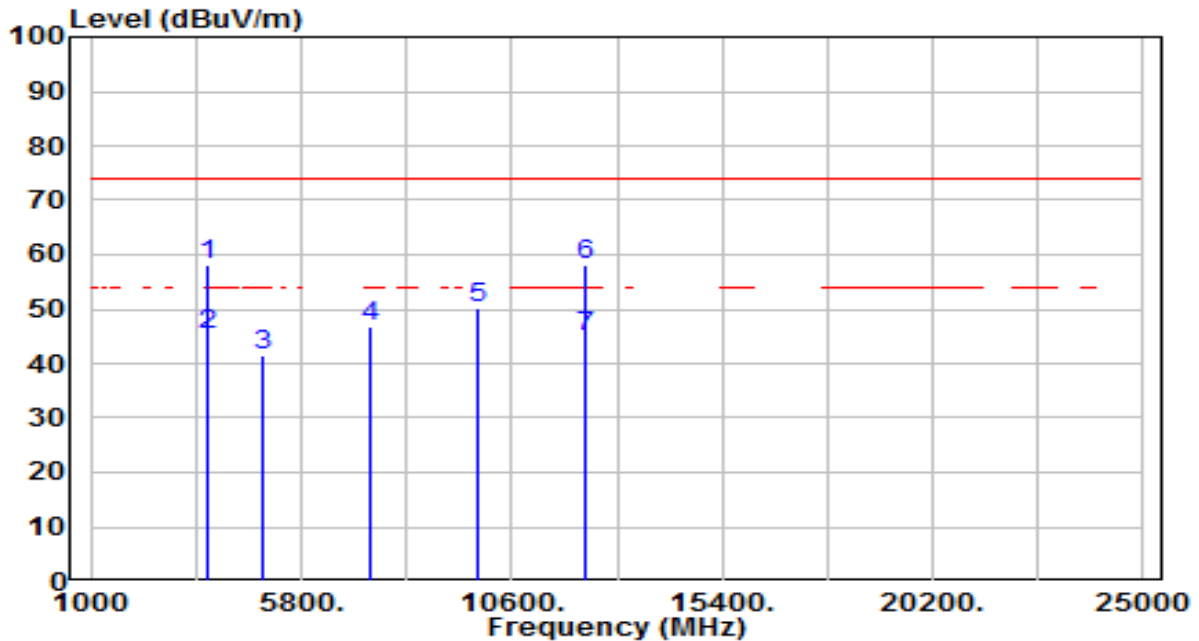


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3701.000	56.13	0.26	56.39	-17.61	74.00	200	195	Peak
2	* 3701.000	44.67	0.26	44.93	-9.07	54.00	200	195	Average
3	4924.000	38.50	3.83	42.34	-31.66	74.00	200	175	Peak
4	7386.000	33.75	12.42	46.17	-27.83	74.00	200	10	Peak
5	9848.000	33.64	16.14	49.77	-24.23	74.00	200	180	Peak
6	12310.000	40.16	18.68	58.84	-15.16	74.00	200	185	Peak
7	12310.000	26.06	18.68	44.74	-9.26	54.00	200	185	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

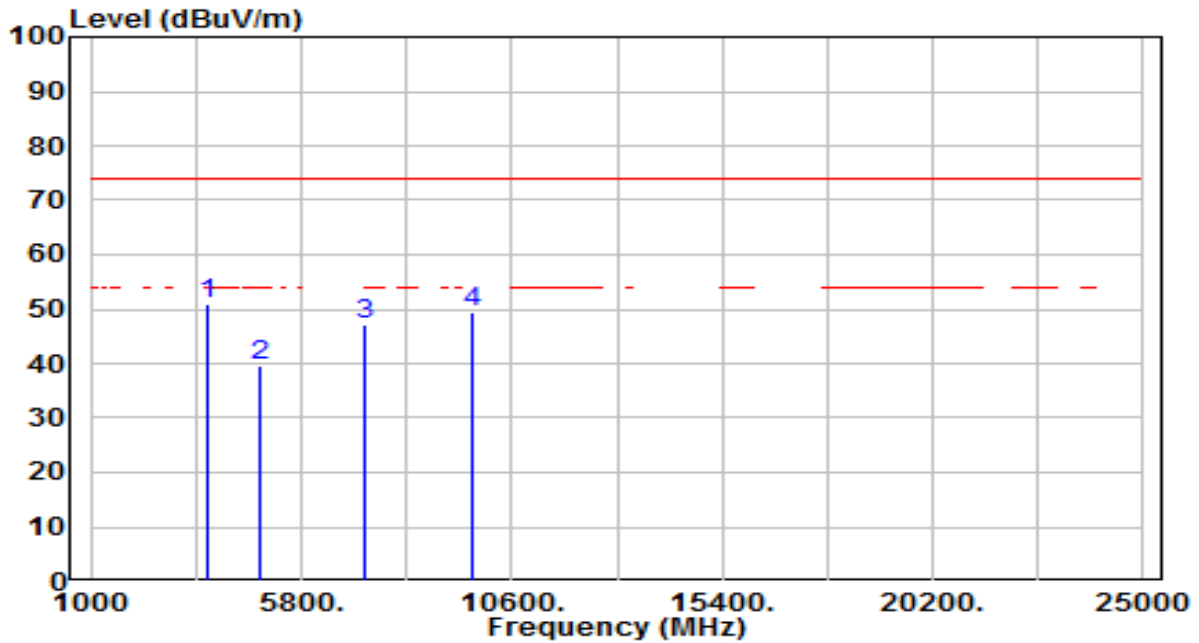


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	3689.000	57.84	0.23	58.06	-15.94	74.00	200	165	Peak
2	*	3689.000	45.12	0.23	45.35	-8.65	54.00	200	165	Average
3		4924.000	37.49	3.83	41.32	-32.68	74.00	200	135	Peak
4		7386.000	34.35	12.42	46.78	-27.22	74.00	200	230	Peak
5		9848.000	34.01	16.14	50.15	-23.85	74.00	200	310	Peak
6		12308.000	39.37	18.68	58.05	-15.95	74.00	200	210	Peak
7		12308.000	26.15	18.68	44.83	-9.17	54.00	200	210	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	AC 120V/ 60Hz

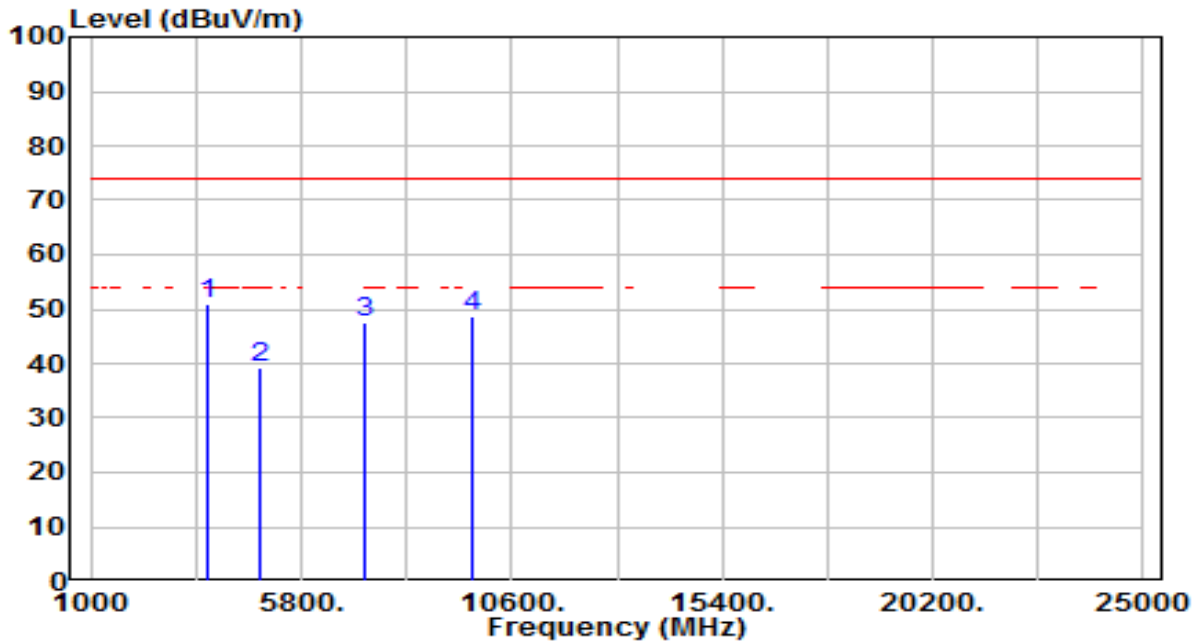


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3638.000	51.00	0.09	51.09	-22.91	74.00	200	150	Peak
2	4844.000	35.77	3.68	39.45	-34.55	74.00	200	150	Peak
3	7266.000	35.36	11.93	47.29	-26.71	74.00	200	185	Peak
4	9688.000	33.62	15.84	49.46	-24.54	74.00	200	205	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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	AC 120V/ 60Hz

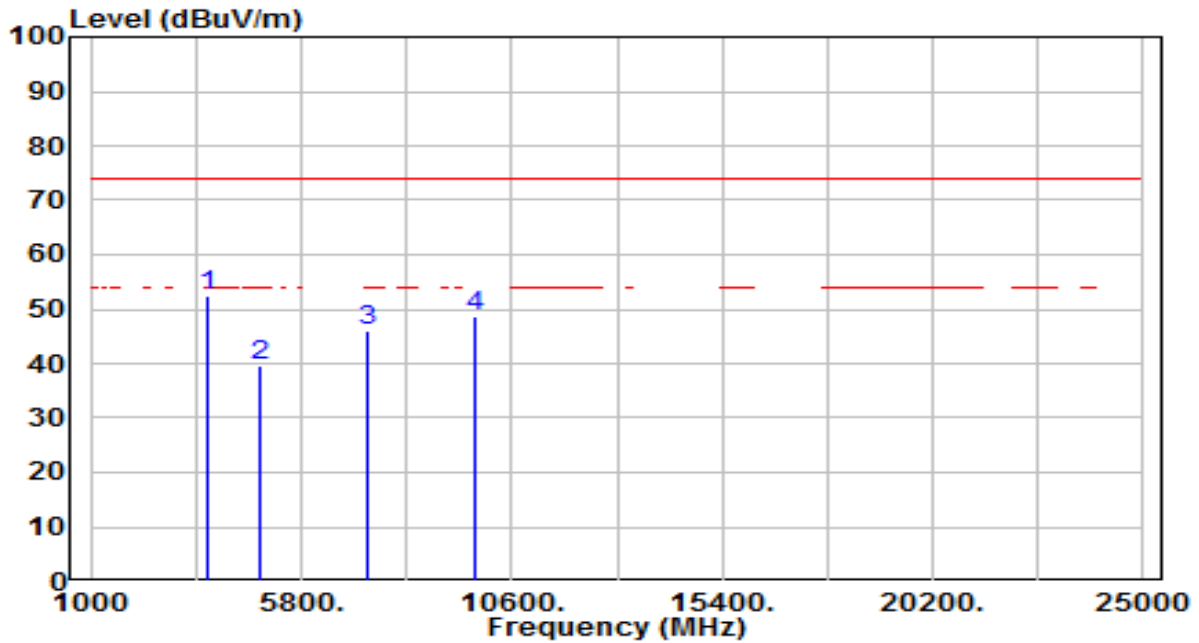


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3649.000	50.91	0.12	51.04	-22.96	74.00	200	165	Peak
2	4844.000	35.39	3.68	39.07	-34.93	74.00	200	90	Peak
3	7266.000	35.50	11.93	47.43	-26.57	74.00	200	220	Peak
4	9688.000	32.69	15.84	48.53	-25.47	74.00	200	205	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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

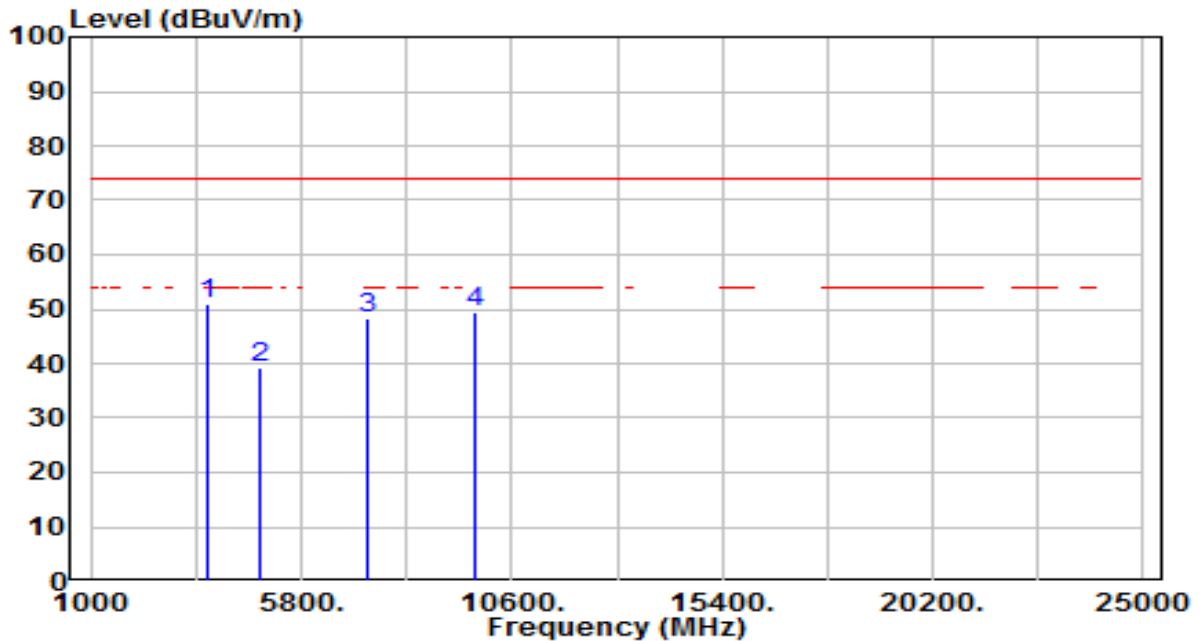


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3656.000	52.24	0.14	52.37	-21.63	74.00	200	185	Peak
2	4874.000	36.01	3.74	39.75	-34.25	74.00	200	200	Peak
3	7311.000	34.11	12.11	46.22	-27.78	74.00	200	305	Peak
4	9748.000	32.68	15.95	48.64	-25.36	74.00	200	95	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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

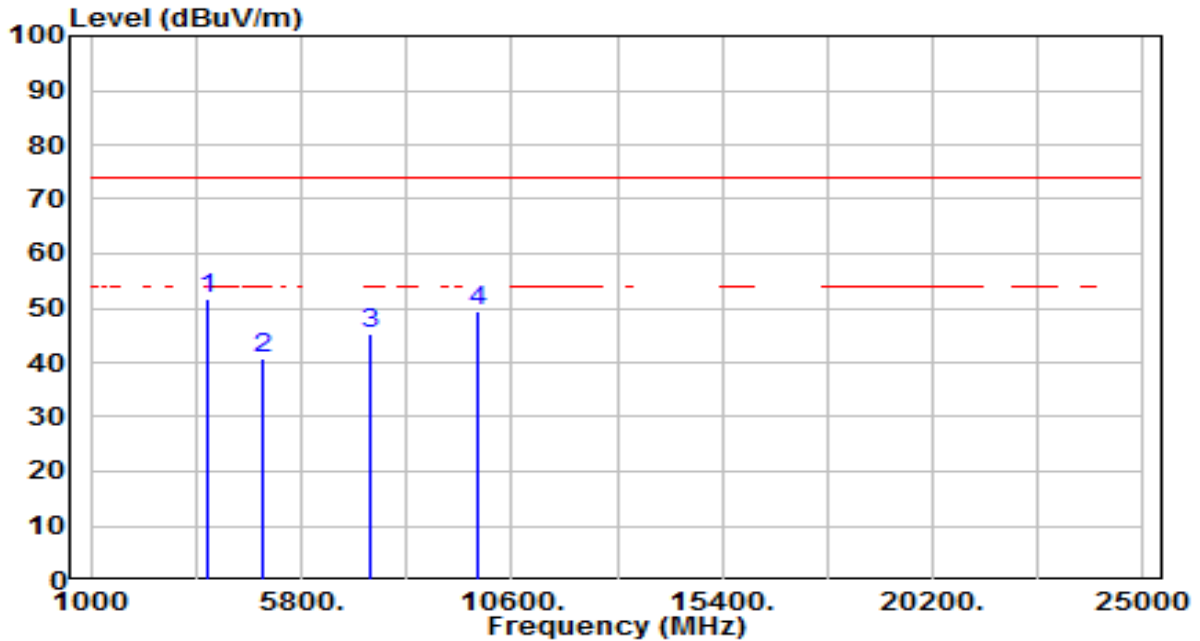


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3653.000	50.82	0.13	50.95	-23.05	74.00	200	165	Peak
2	4874.000	35.59	3.74	39.33	-34.67	74.00	200	155	Peak
3	7311.000	36.09	12.11	48.20	-25.80	74.00	200	240	Peak
4	9748.000	33.54	15.95	49.49	-24.51	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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	AC 120V/ 60Hz

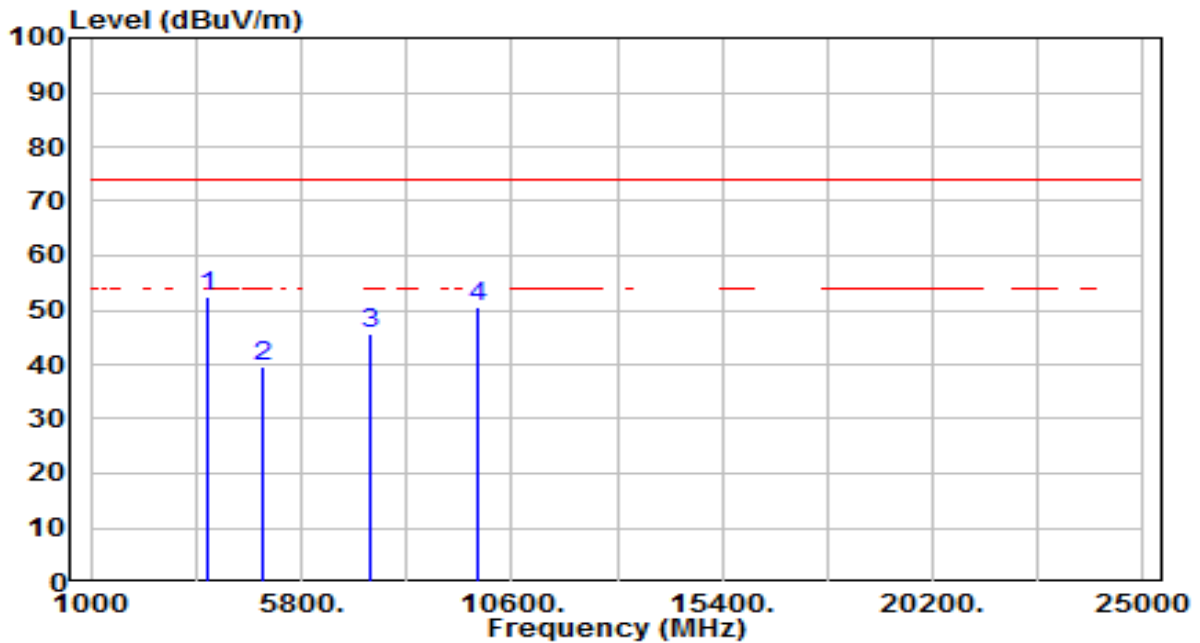


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3663.000	51.48	0.16	51.64	-22.36	74.00	200	200	Peak
2	4904.000	36.98	3.79	40.77	-33.23	74.00	200	180	Peak
3	7356.000	32.96	12.30	45.26	-28.74	74.00	200	190	Peak
4	9808.000	33.55	16.06	49.61	-24.39	74.00	200	65	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	AC 120V/ 60Hz



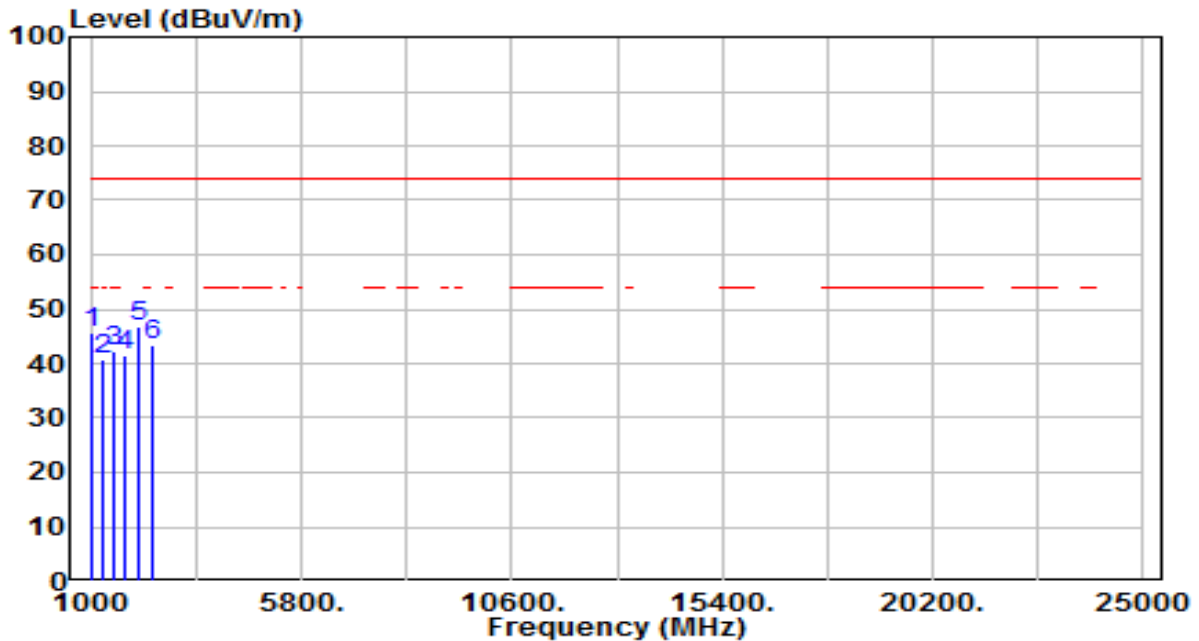
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 3664.000	52.22	0.16	52.38	-21.62	74.00	200	165	Peak
2	4904.000	35.82	3.79	39.61	-34.39	74.00	200	135	Peak
3	7356.000	33.21	12.30	45.51	-28.49	74.00	200	270	Peak
4	9808.000	34.45	16.06	50.51	-23.49	74.00	200	360	Peak

Note:

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



EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	AC 120V/ 60Hz

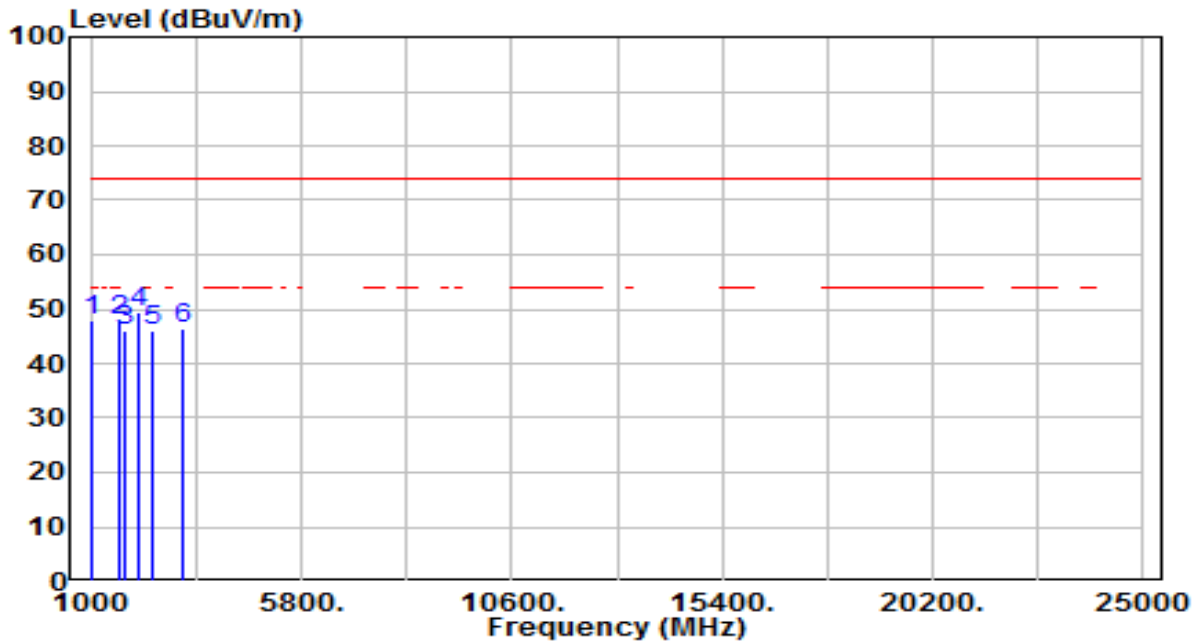


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1039.000	51.82	-6.11	45.71	-28.29	74.00	110	115	Peak
2	1262.000	45.89	-5.19	40.71	-33.29	74.00	200	215	Peak
3	1549.000	46.41	-4.11	42.30	-31.70	74.00	110	205	Peak
4	1782.000	45.35	-3.68	41.68	-32.32	74.00	200	160	Peak
5 *	2079.000	49.88	-3.02	46.86	-27.14	74.00	110	240	Peak
6	2433.000	45.47	-1.90	43.57	-30.43	74.00	200	360	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_RX_CH 6_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	1039.000	54.11	-6.11	48.01	-25.99	74.00	200	215	Peak
2	1639.000	51.90	-3.94	47.95	-26.05	74.00	200	215	Peak
3	1755.000	49.70	-3.73	45.98	-28.02	74.00	200	95	Peak
4	* 2079.000	52.49	-3.02	49.47	-24.53	74.00	200	190	Peak
5	2435.000	47.83	-1.90	45.94	-28.06	74.00	110	355	Peak
6	3118.000	48.00	-1.55	46.45	-27.55	74.00	110	230	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.

## 7.7. Radiated Restricted Band Edge 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

ANSI C63.10-2013 - Section 6.3 & 6.6 & 11.13

### 7.7.3. Test Setting

#### Peak Field Strength Measurements

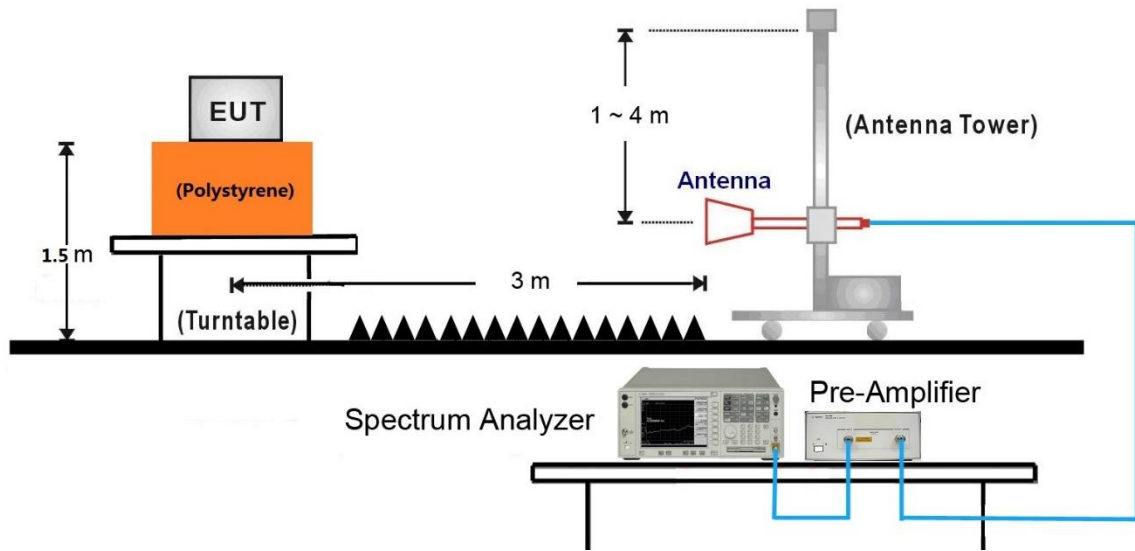
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### **Average Field Strength Measurements**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq$  1/T
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

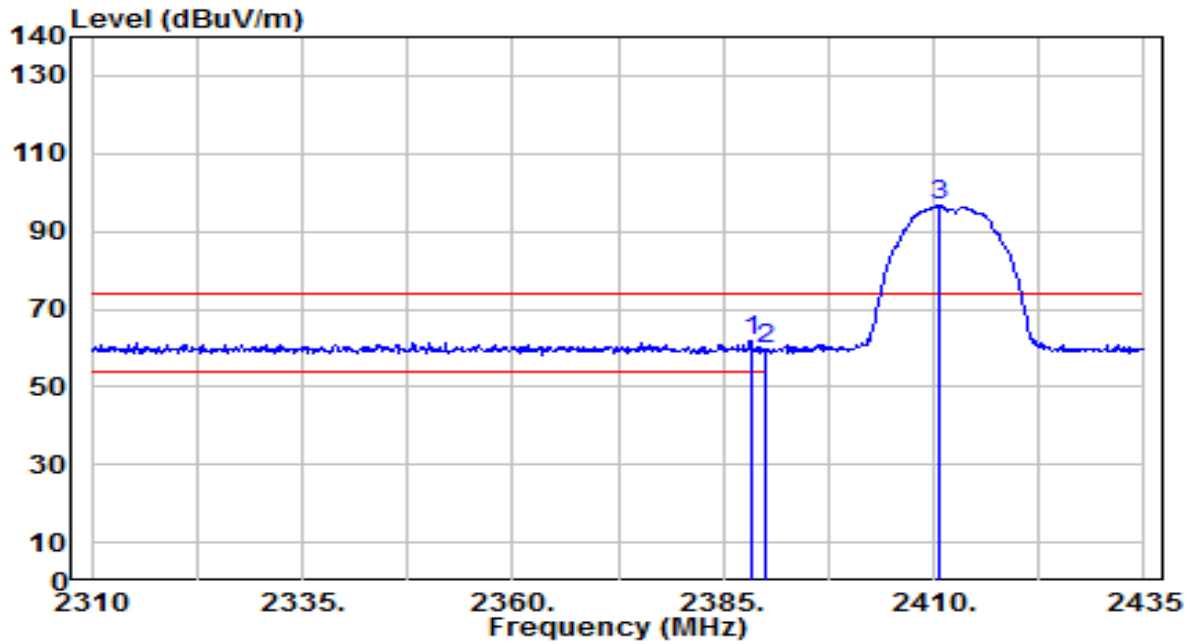
### 7.7.4. Test Setup

1GHz ~ 18GHz Test Setup:



### 7.7.5. Test Result

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

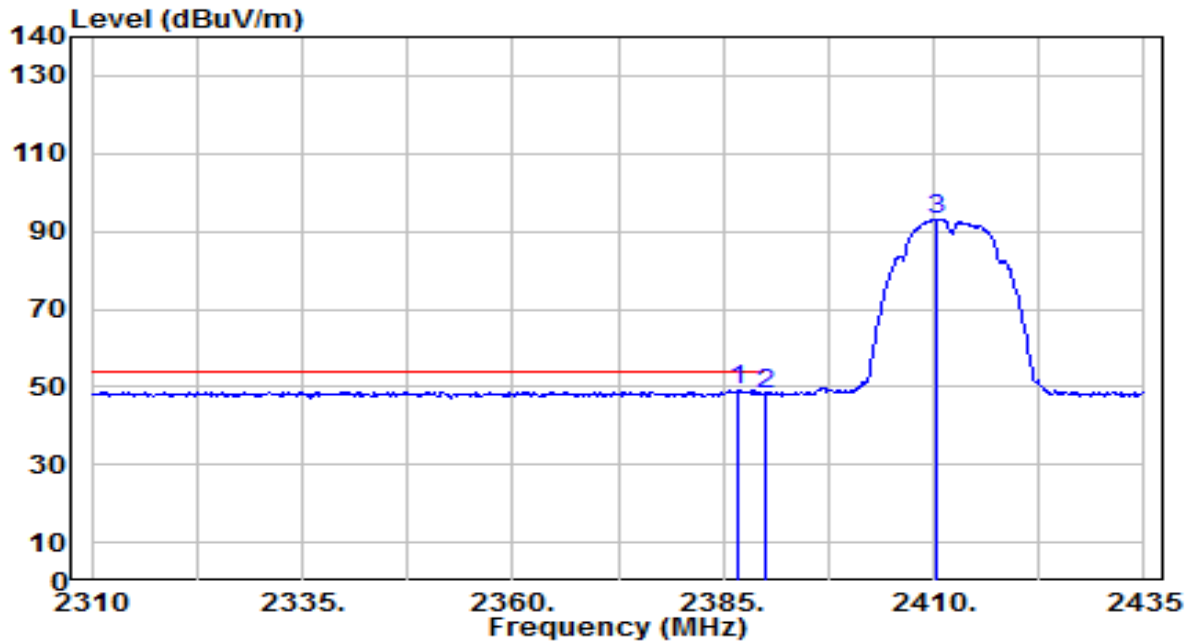


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2388.250	29.35	32.28	61.63	-12.37	74.00	225	215	Peak
2	2390.000	27.28	32.28	59.56	-14.44	74.00	225	215	Peak
3	2410.625	64.18	32.36	96.54	N/A	N/A	225	215	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

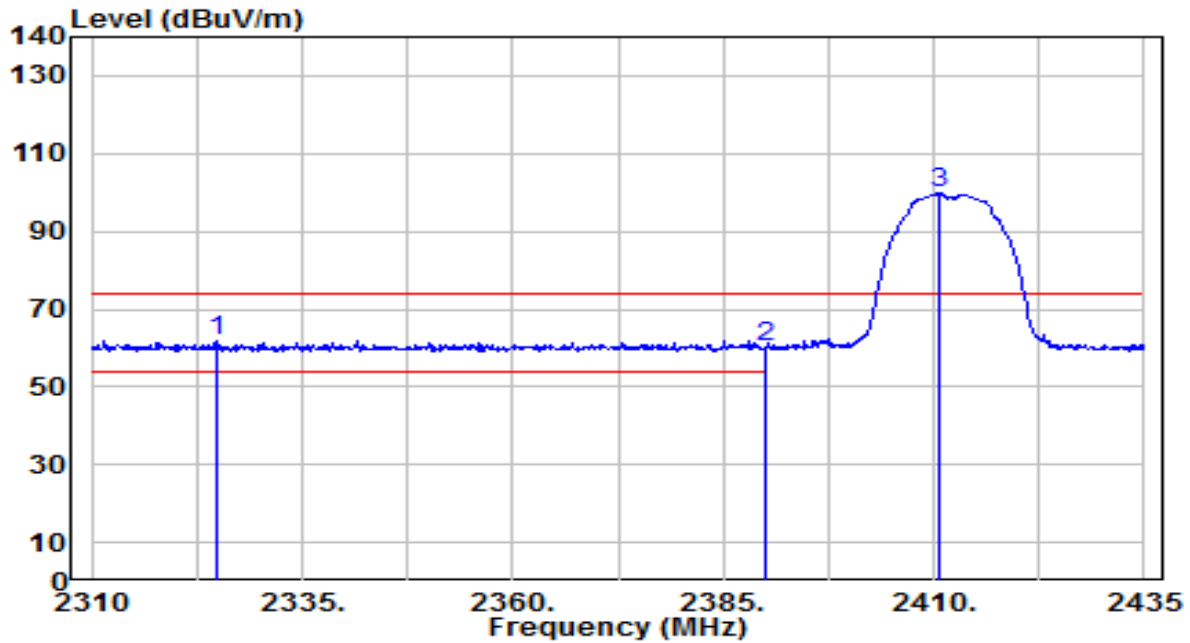


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	2386.875	16.88	32.27	49.15	-4.85	54.00	225	215	Average
2		2390.000	15.96	32.28	48.24	-5.76	54.00	225	215	Average
3		2410.375	60.67	32.36	93.03	N/A	N/A	225	215	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz



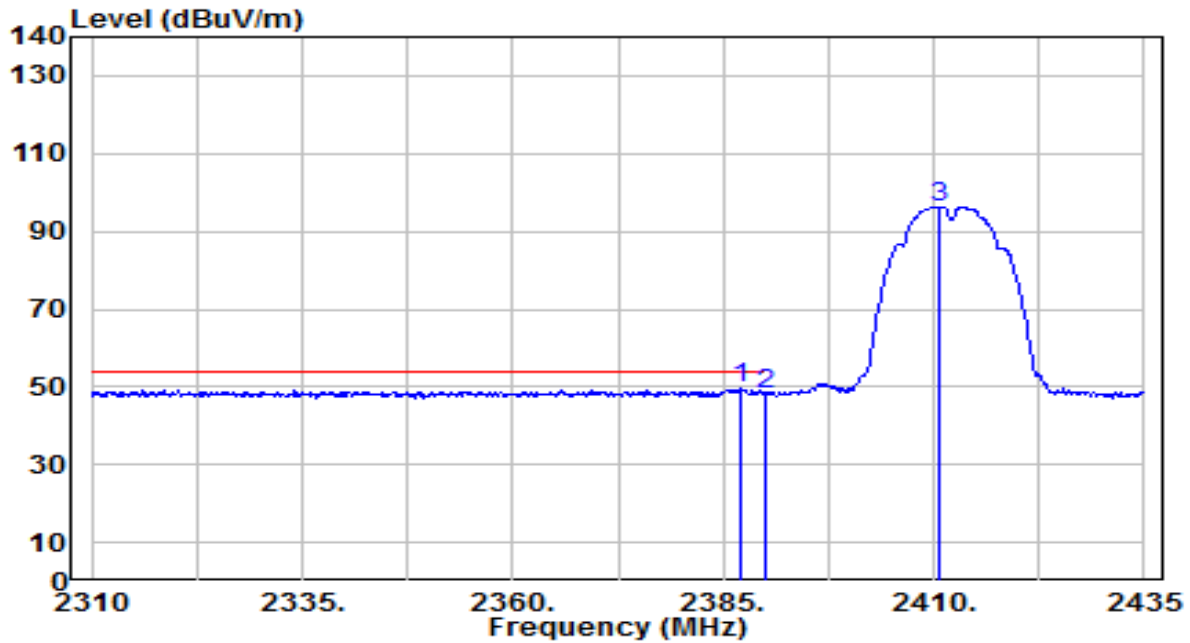
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2325.000	29.75	32.05	61.80	-12.20	74.00	190	180	Peak
2	2390.000	28.20	32.28	60.48	-13.52	74.00	190	180	Peak
3	2410.500	67.30	32.36	99.66	N/A	N/A	190	180	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

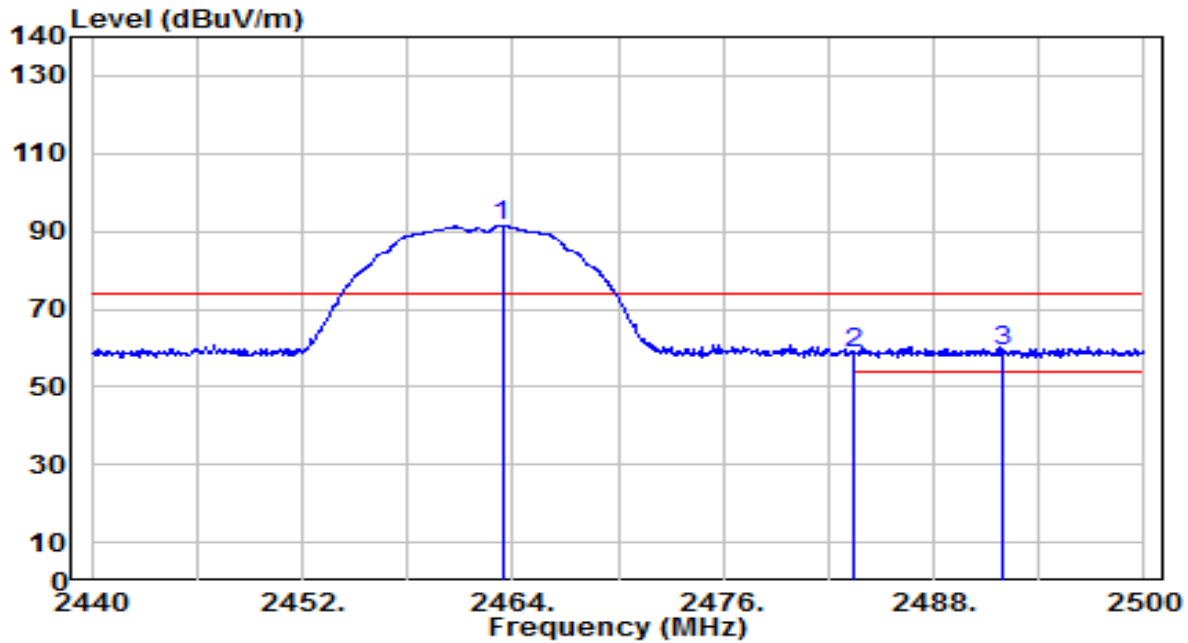


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	2387.125	17.14	32.27	49.41	-4.59	54.00	190	180	Average
2		2390.000	15.72	32.28	48.00	-6.00	54.00	190	180	Average
3		2410.500	63.99	32.36	96.34	N/A	N/A	190	180	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

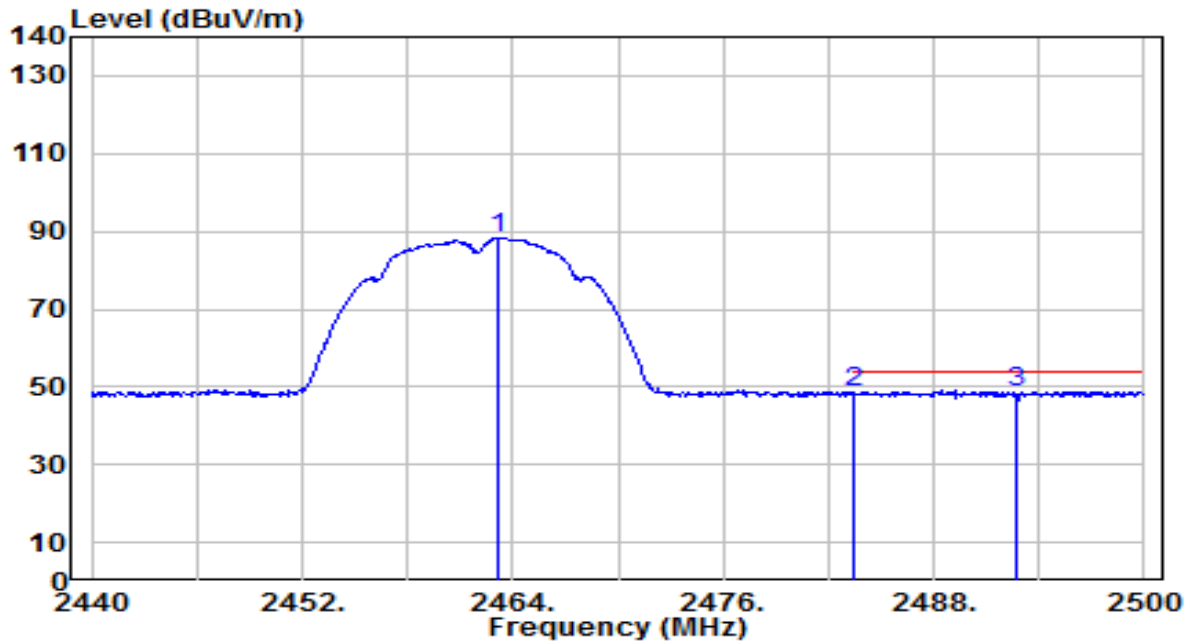


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.400	58.64	32.55	91.19	N/A	N/A	275	105	Peak
2	2483.500	26.19	32.62	58.81	-15.19	74.00	275	105	Peak
3	* 2491.960	26.68	32.65	59.33	-14.67	74.00	275	105	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

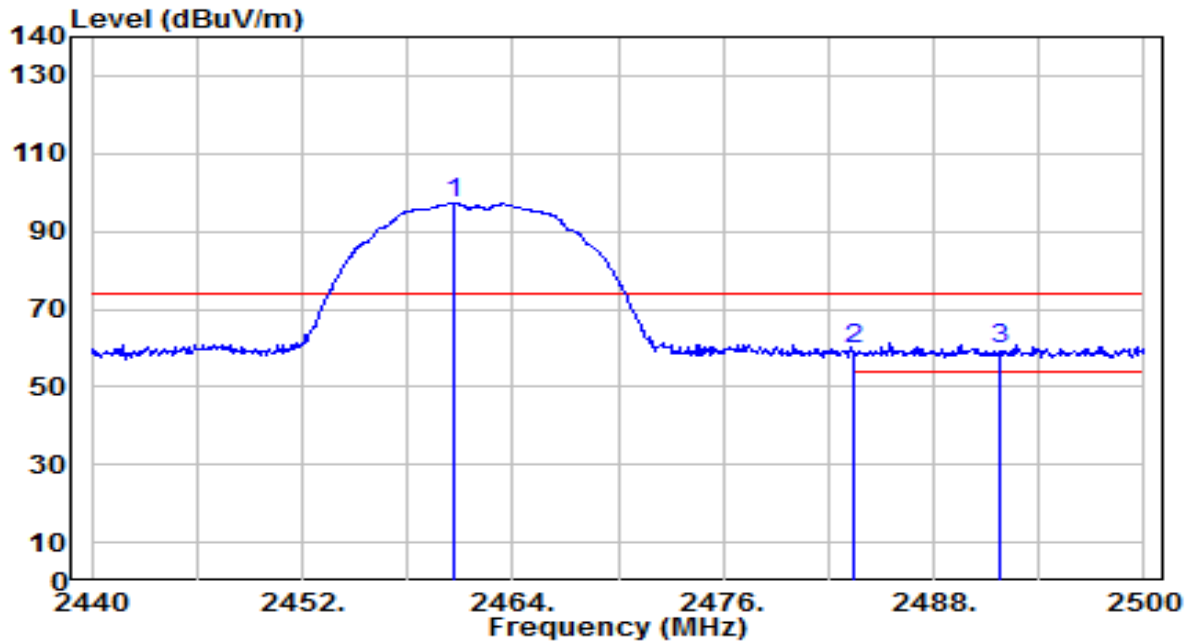


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.160	55.72	32.55	88.27	N/A	N/A	275	105	Average
2	* 2483.500	15.82	32.62	48.44	-5.56	54.00	275	105	Average
3	2492.740	15.75	32.65	48.40	-5.60	54.00	275	105	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

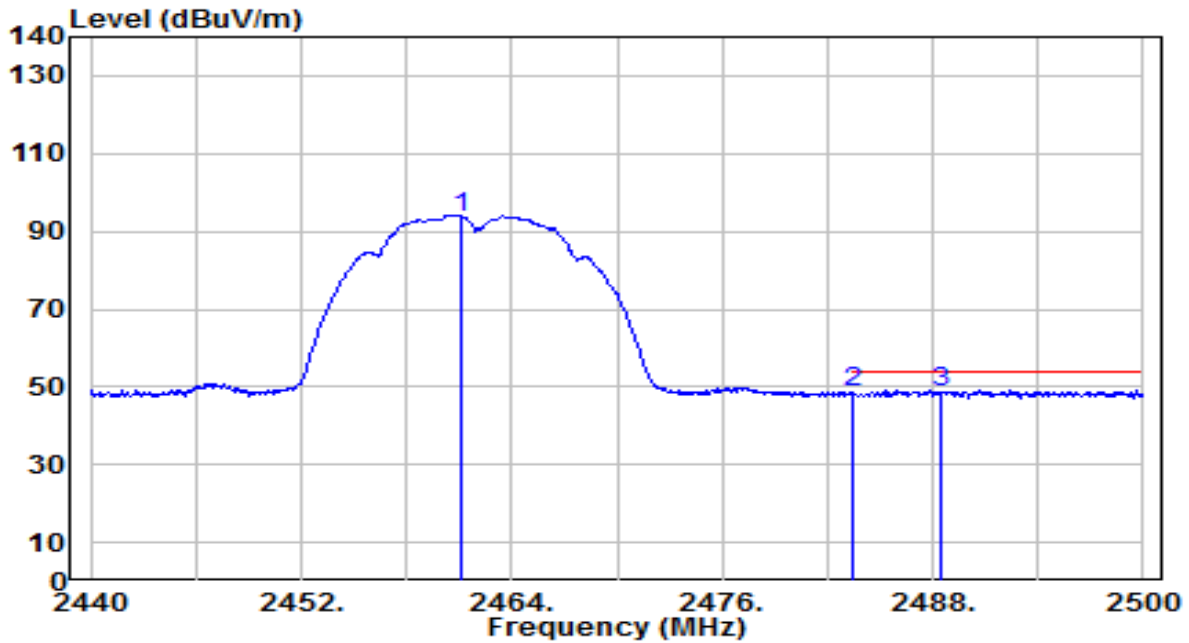


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2460.580	64.56	32.54	97.10	N/A	N/A	185	170	Peak
2	* 2483.500	27.21	32.62	59.83	-14.17	74.00	185	170	Peak
3	2491.780	26.97	32.65	59.62	-14.38	74.00	185	170	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11b_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

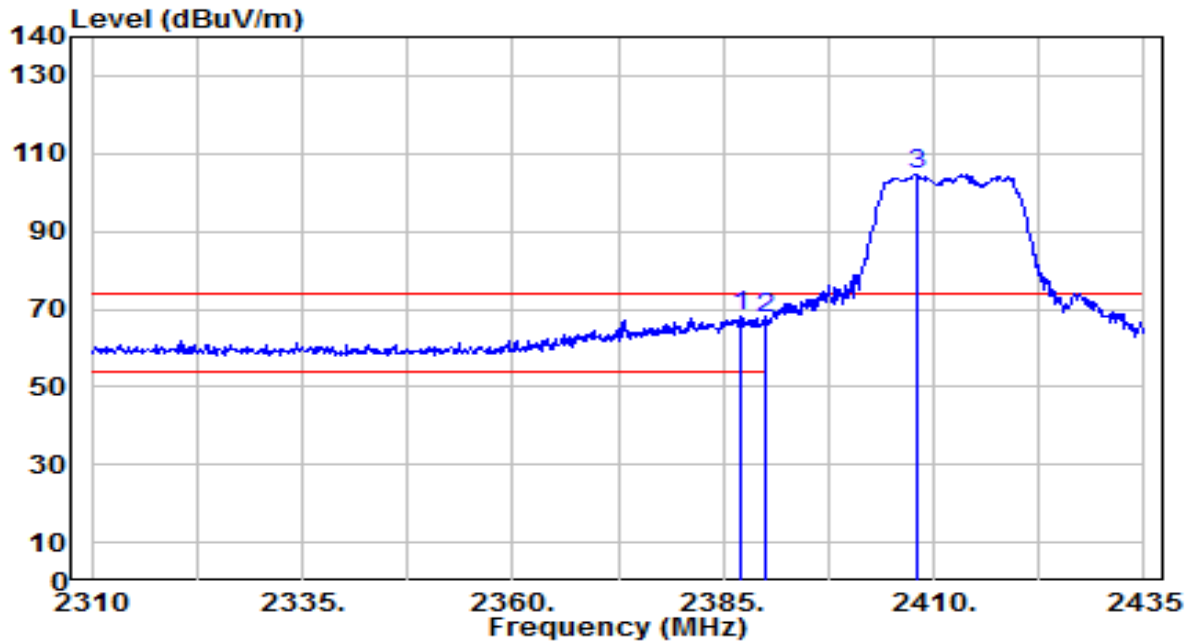


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2461.180	61.07	32.54	93.61	N/A	N/A	185	170	Average
2	2483.500	16.08	32.62	48.70	-5.30	54.00	185	170	Average
3	* 2488.420	16.19	32.64	48.83	-5.17	54.00	185	170	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

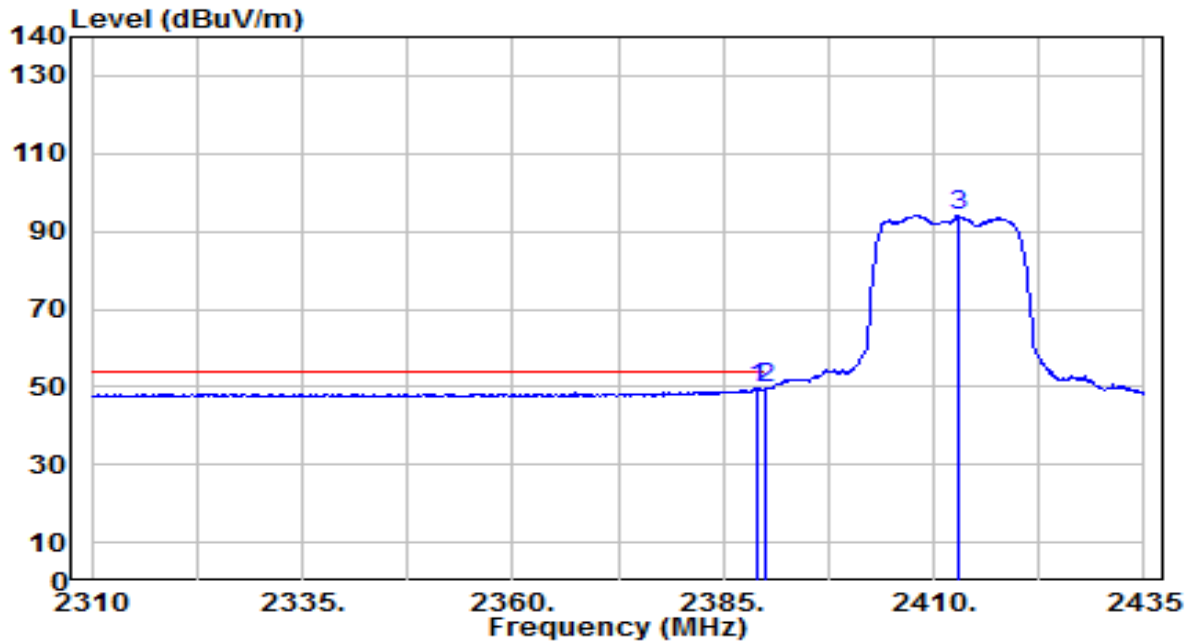


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2387.000	35.63	32.27	67.90	-6.10	74.00	225	215	Peak
2	2390.000	35.22	32.28	67.50	-6.50	74.00	225	215	Peak
3	2408.125	72.49	32.35	104.84	N/A	N/A	225	215	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

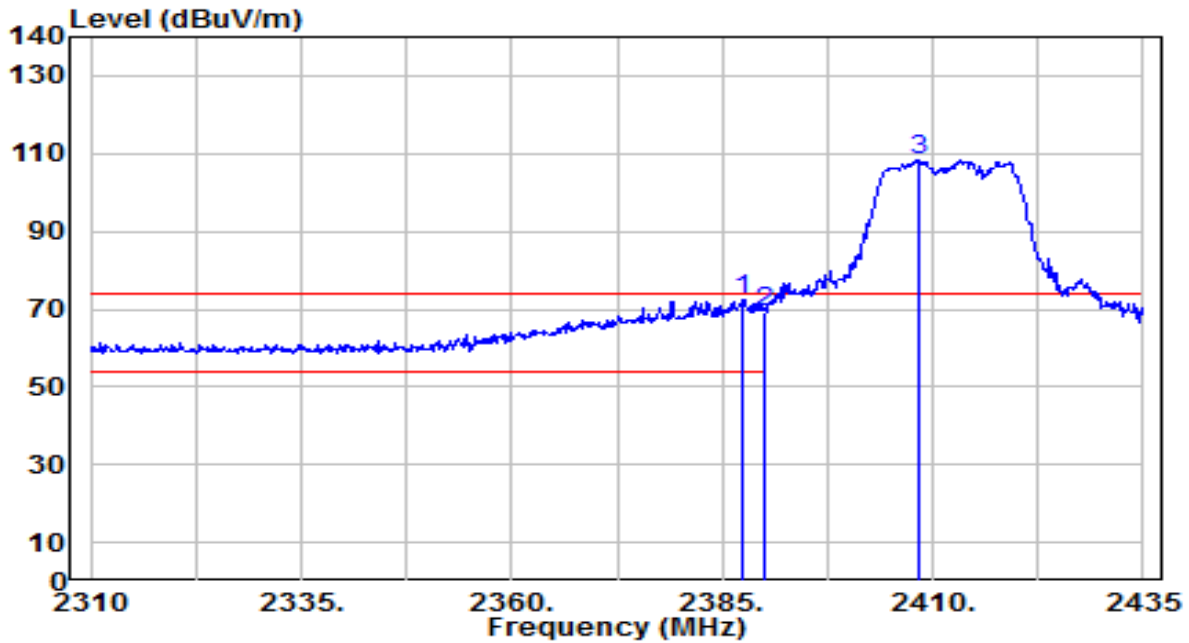


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	2389.000	17.24	32.28	49.52	-4.48	54.00	225	215	Average
2		2390.000	17.23	32.28	49.51	-4.49	54.00	225	215	Average
3		2412.875	61.56	32.37	93.93	N/A	N/A	225	215	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz



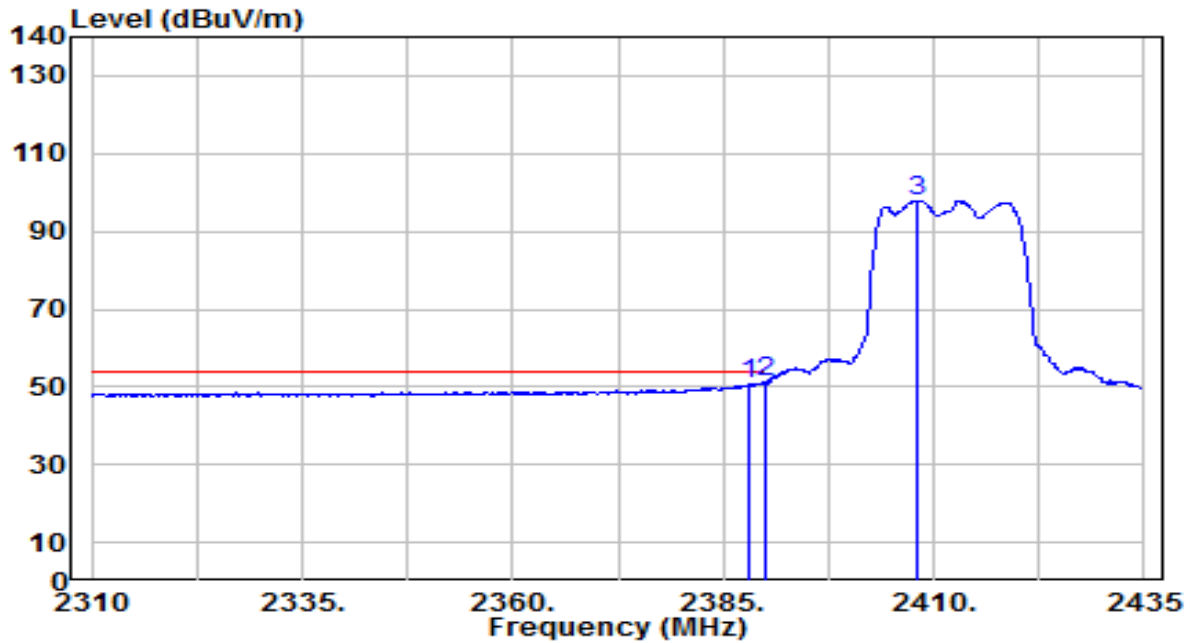
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2387.375	40.27	32.27	72.55	-1.45	74.00	190	180	Peak
2	2390.000	37.18	32.28	69.46	-4.54	74.00	190	180	Peak
3	2408.250	75.84	32.35	108.19	N/A	N/A	190	180	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

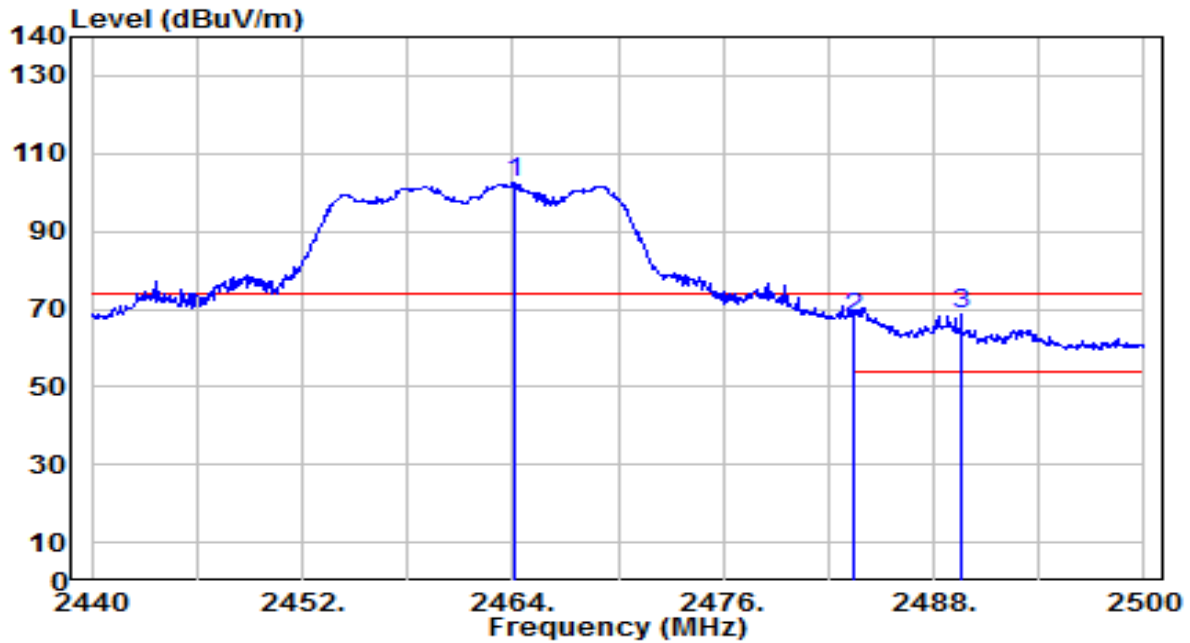


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.125	18.46	32.28	50.73	-3.27	54.00	190	180	Average
2	* 2390.000	19.08	32.28	51.36	-2.64	54.00	190	180	Average
3	2408.000	65.50	32.35	97.85	N/A	N/A	190	180	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

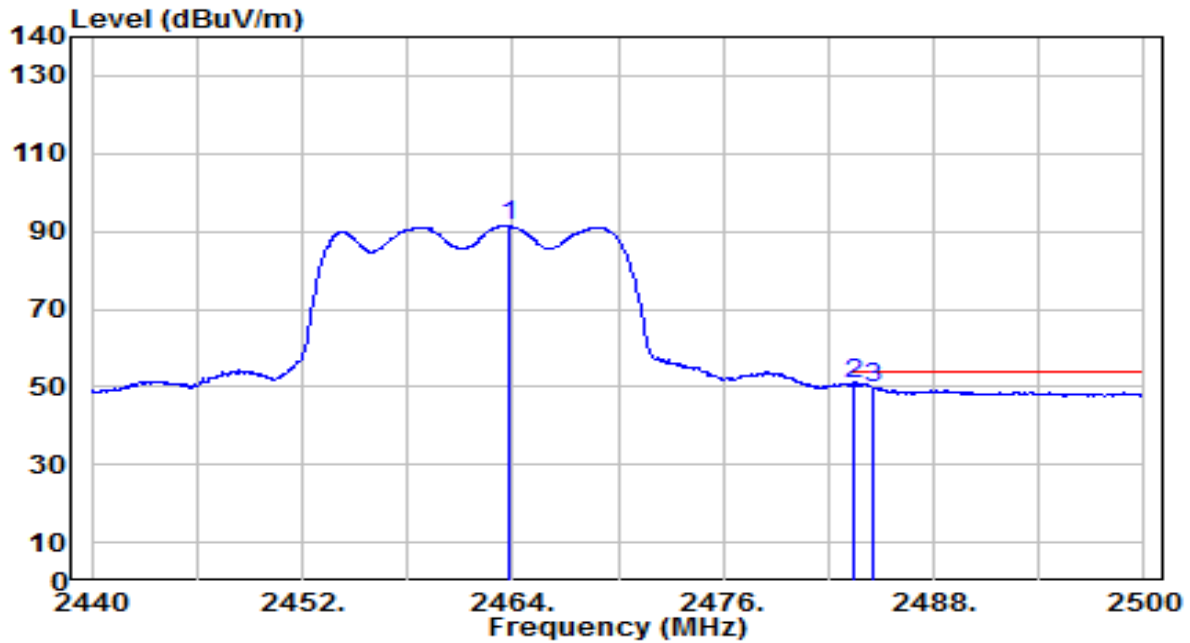


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2464.060	69.94	32.55	102.49	N/A	N/A	275	105	Peak
2	2483.500	35.15	32.62	67.77	-6.23	74.00	275	105	Peak
3	* 2489.560	36.16	32.64	68.80	-5.20	74.00	275	105	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

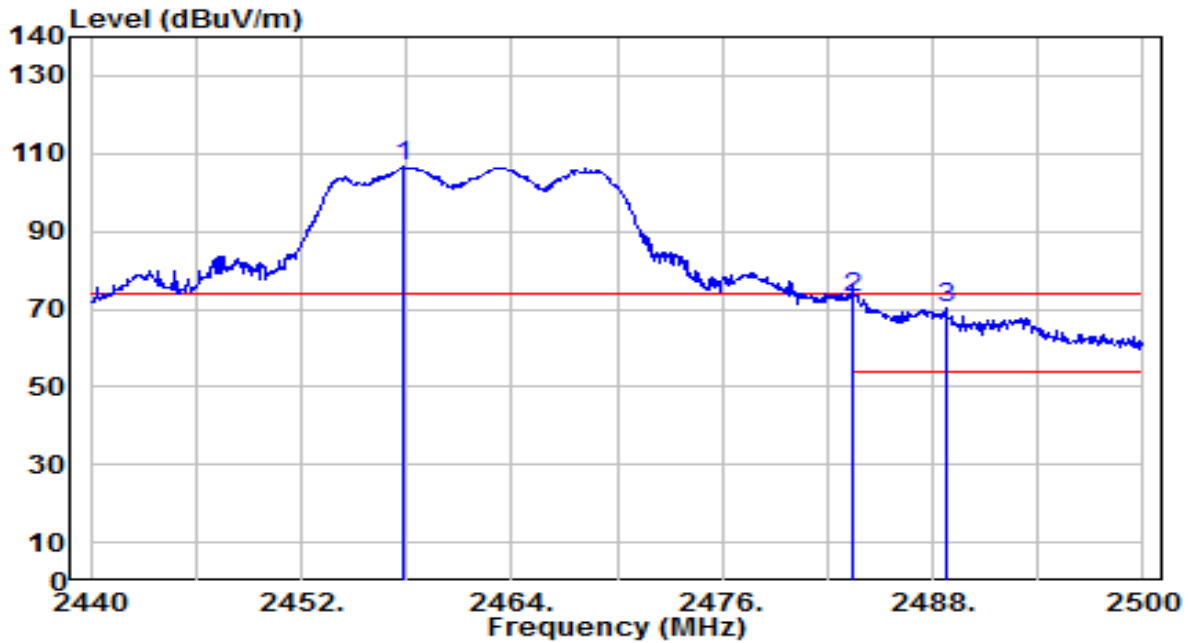


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.760	59.04	32.55	91.59	N/A	N/A	275	105	Average
2	* 2483.500	18.25	32.62	50.87	-3.13	54.00	275	105	Average
3	2484.520	17.22	32.62	49.84	-4.16	54.00	275	105	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

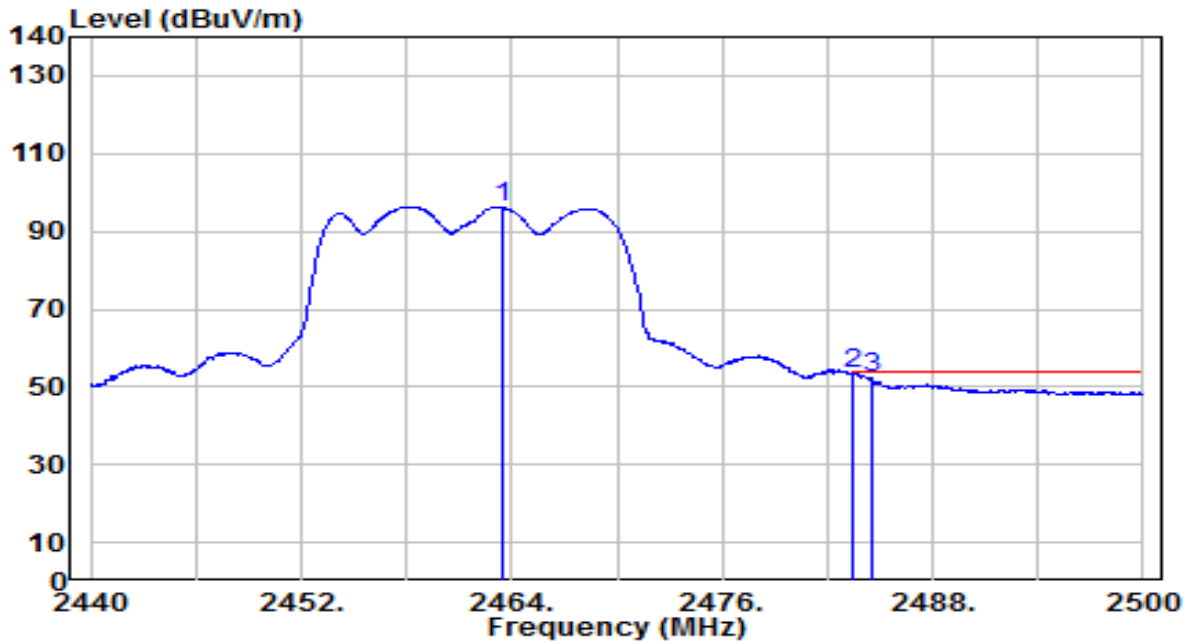


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2457.880	73.98	32.53	106.51	N/A	N/A	170	170	Peak
2	* 2483.500	40.45	32.62	73.07	-0.93	74.00	170	170	Peak
3	2488.720	37.62	32.64	70.26	-3.74	74.00	170	170	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11g_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

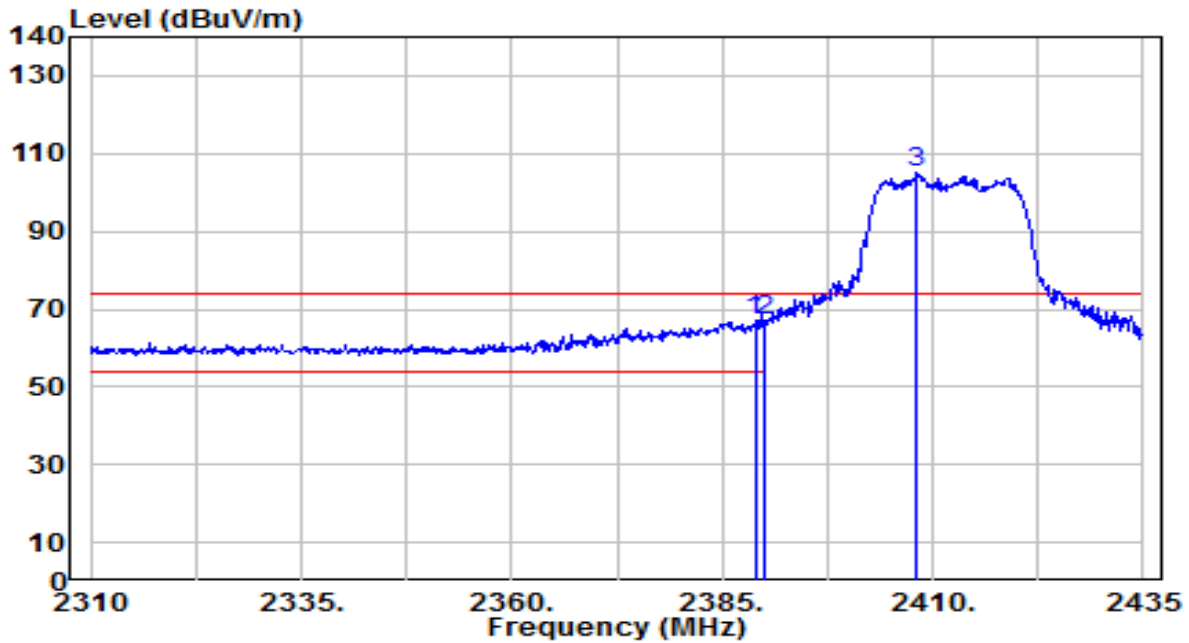


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.520	63.81	32.55	96.36	N/A	N/A	170	170	Average
2	* 2483.500	20.59	32.62	53.21	-0.79	54.00	170	170	Average
3	2484.520	19.52	32.62	52.14	-1.86	54.00	170	170	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

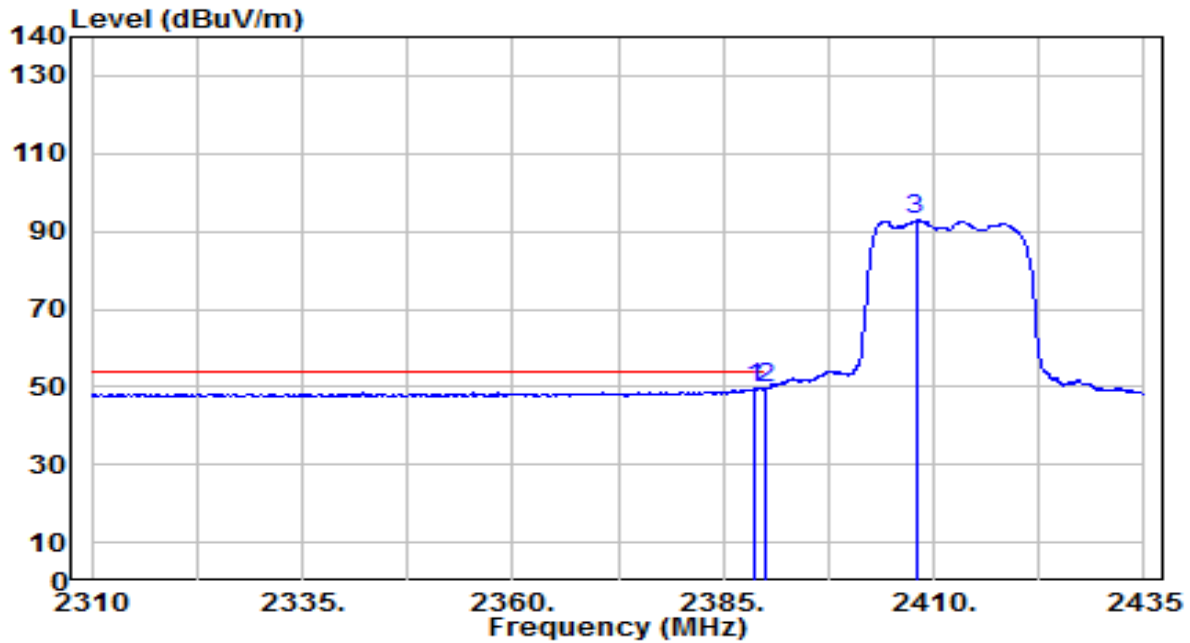


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	2388.875	34.93	32.28	67.21	-6.79	74.00	225	215	Peak
2		2390.000	34.82	32.28	67.10	-6.90	74.00	225	215	Peak
3		2408.125	72.80	32.35	105.15	N/A	N/A	225	215	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

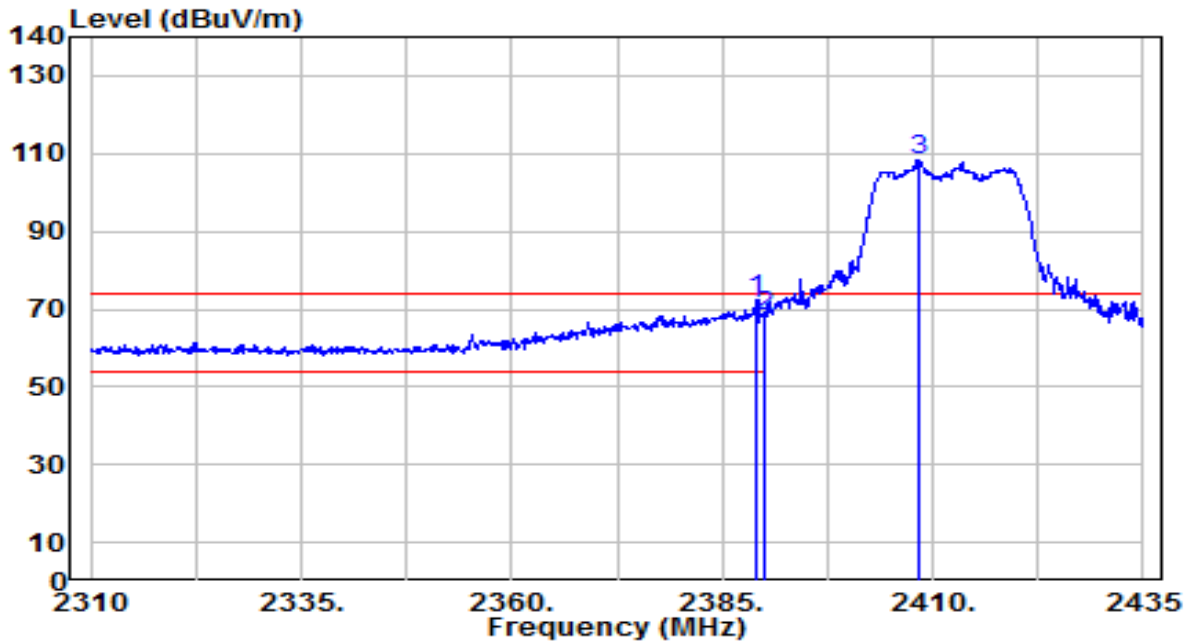


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.625	17.21	32.28	49.49	-4.51	54.00	225	215	Average
2	* 2390.000	17.47	32.28	49.75	-4.25	54.00	225	215	Average
3	2407.875	60.53	32.35	92.88	N/A	N/A	225	215	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz



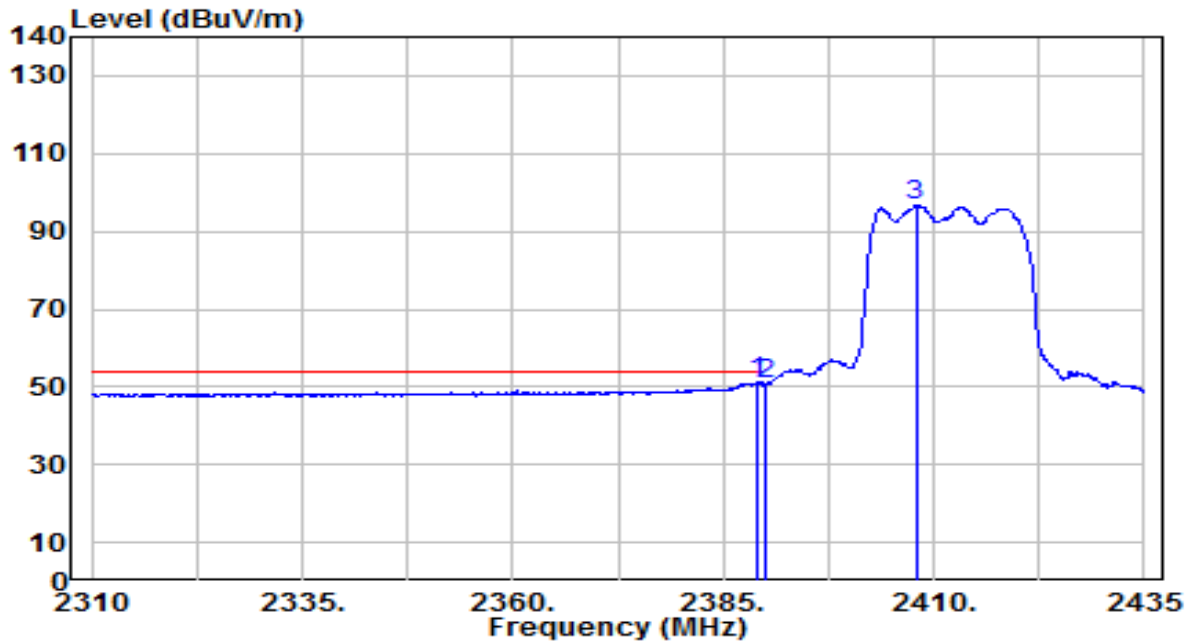
No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2389.125	40.30	32.28	72.58	-1.42	74.00	190	180	Peak
2	2390.000	35.88	32.28	68.17	-5.83	74.00	190	180	Peak
3	2408.250	76.08	32.35	108.43	N/A	N/A	190	180	Peak

Note:

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



EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/ 60Hz

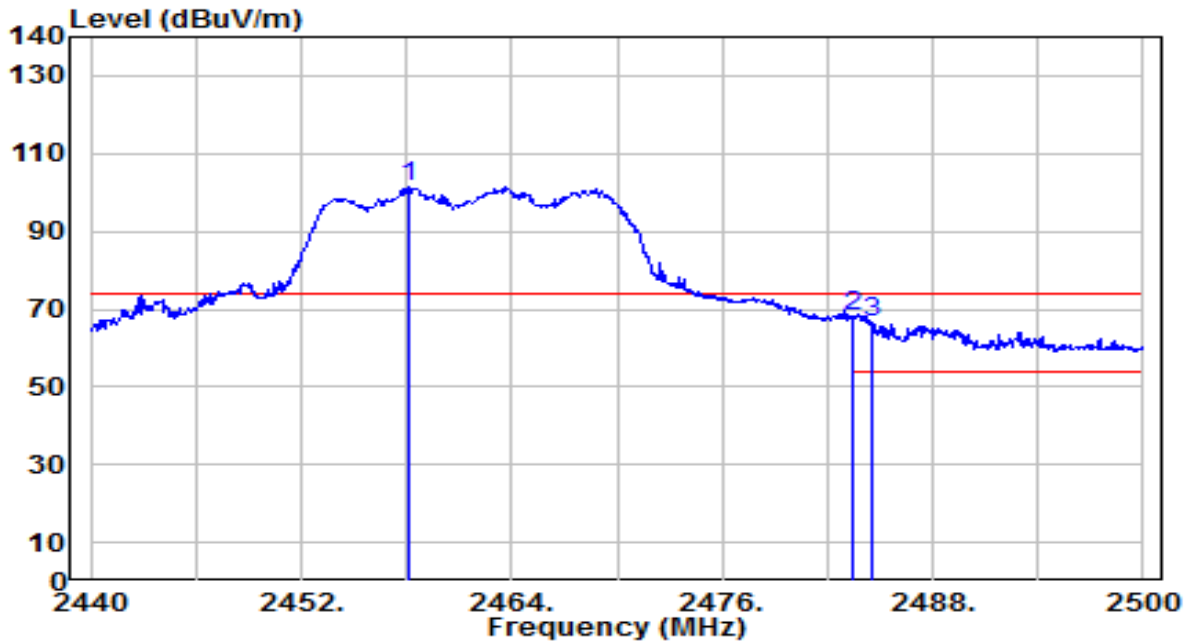


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)	
1	*	2389.000	18.86	32.28	51.14	-2.86	54.00	190	180	Average
2		2390.000	18.26	32.28	50.54	-3.46	54.00	190	180	Average
3		2407.875	64.30	32.35	96.65	N/A	N/A	190	180	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

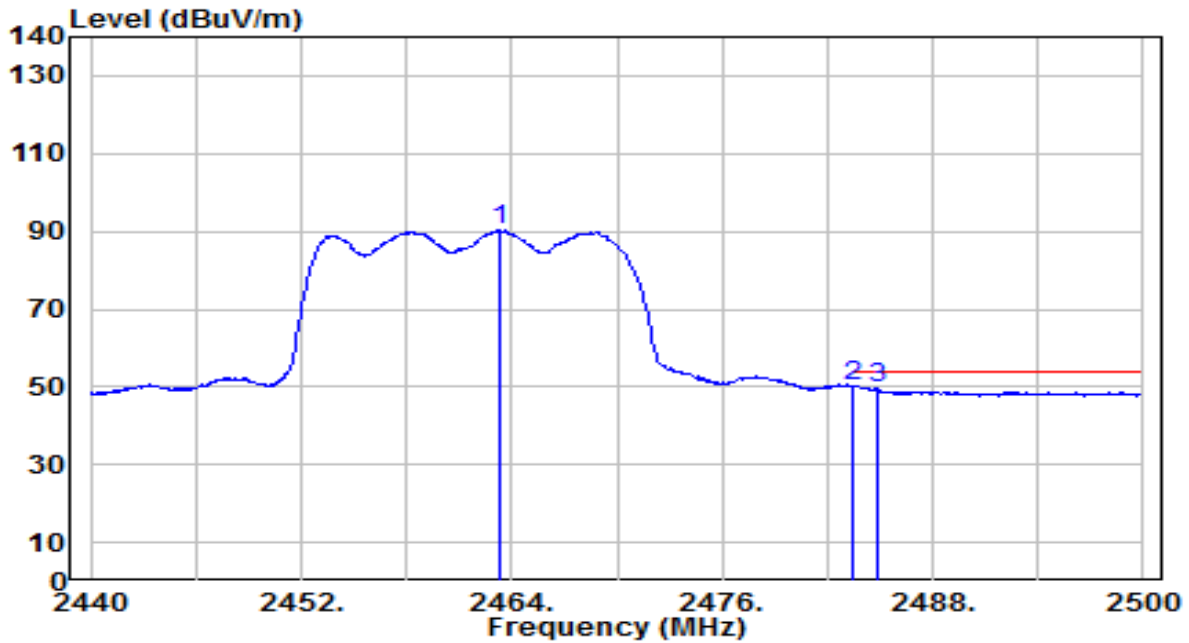


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2458.180	68.93	32.53	101.46	N/A	N/A	275	105	Peak
2	* 2483.500	35.62	32.62	68.24	-5.76	74.00	275	105	Peak
3	2484.520	34.00	32.62	66.63	-7.37	74.00	275	105	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

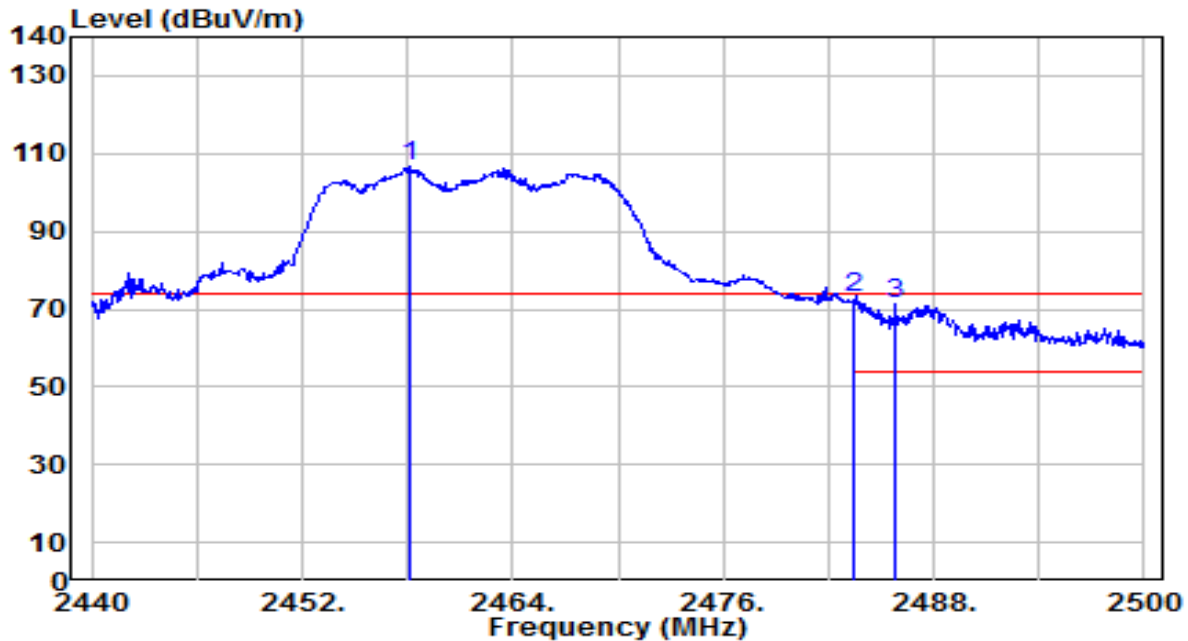


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2463.340	57.66	32.55	90.21	N/A	N/A	275	105	Average
2	* 2483.500	17.56	32.62	50.18	-3.82	54.00	275	105	Average
3	2484.880	16.82	32.63	49.45	-4.55	54.00	275	105	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

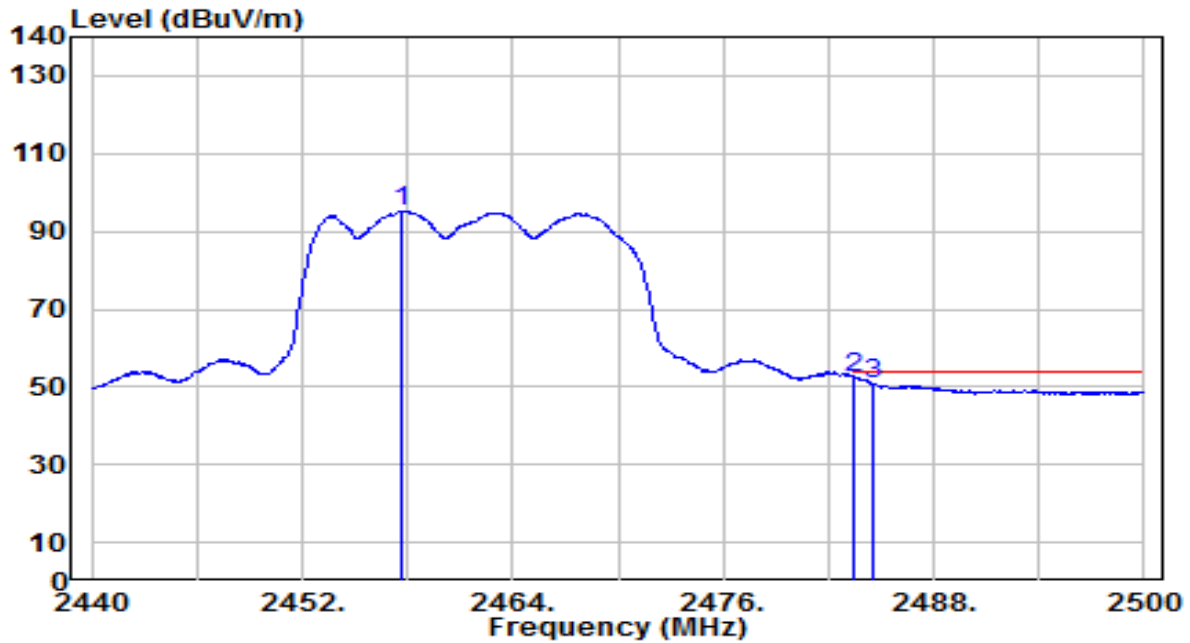


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2458.180	74.03	32.53	106.56	N/A	N/A	170	170	Peak
2	* 2483.500	40.04	32.62	72.66	-1.34	74.00	170	170	Peak
3	2485.780	38.89	32.63	71.52	-2.48	74.00	170	170	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	AC 120V/ 60Hz

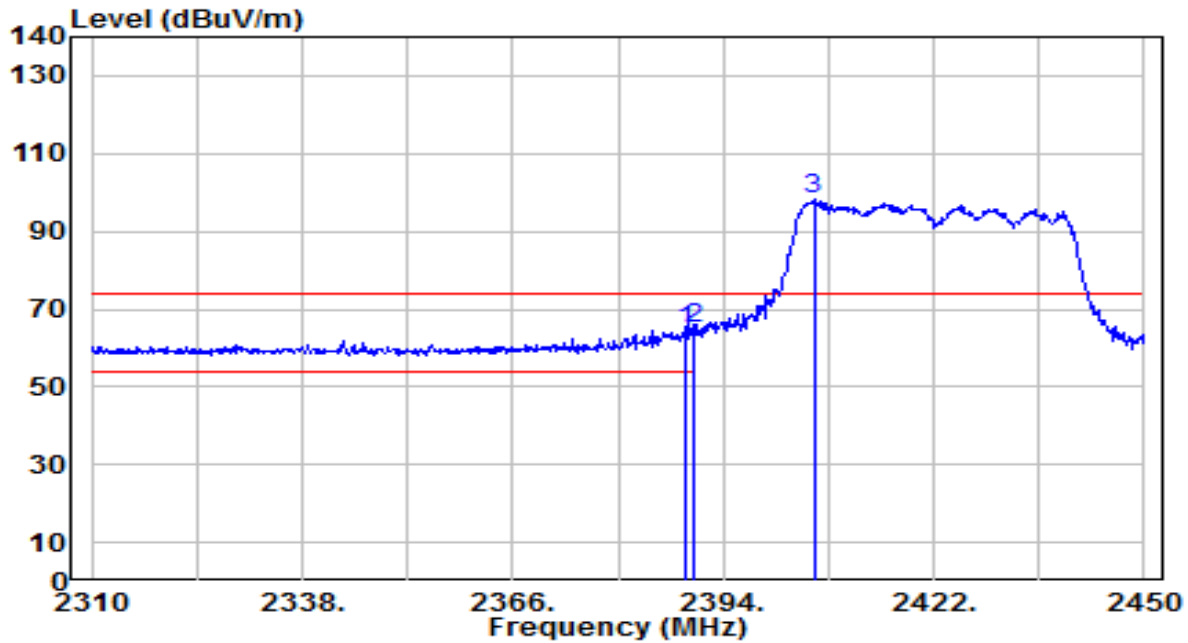


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2457.640	62.74	32.53	95.27	N/A	N/A	170	170	Average
2	* 2483.500	19.71	32.62	52.33	-1.67	54.00	170	170	Average
3	2484.520	18.24	32.62	50.87	-3.13	54.00	170	170	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	AC 120V/ 60Hz

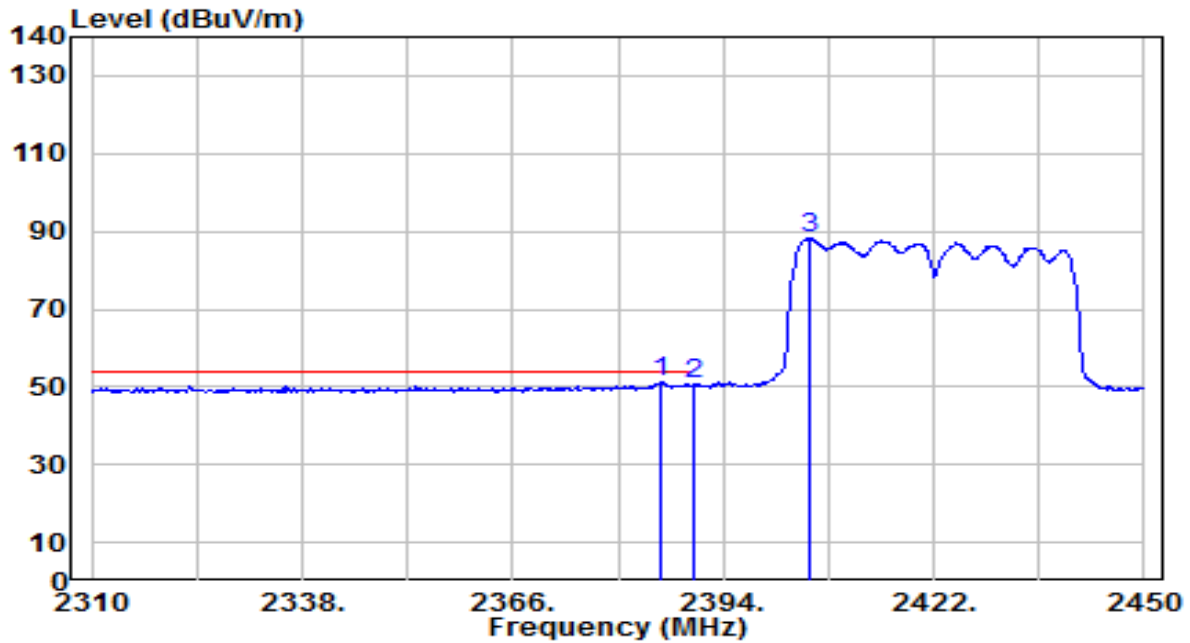


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.820	32.43	32.28	64.71	-9.29	74.00	225	215	Peak
2	* 2390.000	32.55	32.28	64.83	-9.17	74.00	225	215	Peak
3	2406.040	66.14	32.34	98.48	N/A	N/A	225	215	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	AC 120V/ 60Hz

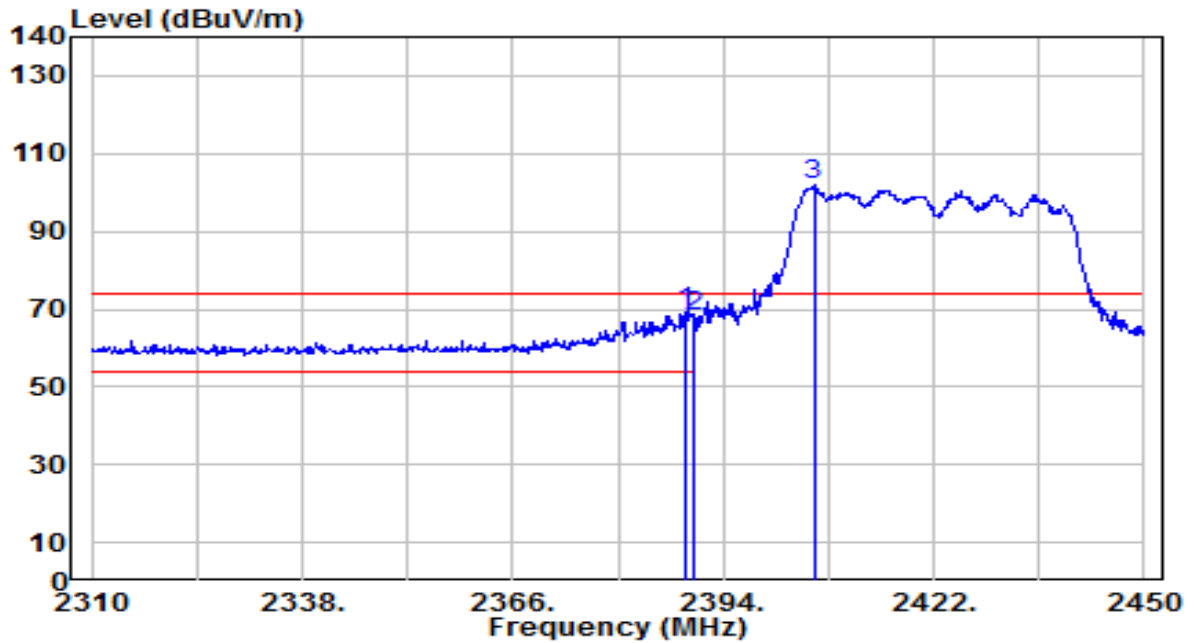


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2385.600	18.84	32.27	51.11	-2.89	54.00	225	215	Average
2	2390.000	18.17	32.28	50.46	-3.54	54.00	225	215	Average
3	2405.340	55.84	32.34	88.18	N/A	N/A	225	215	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	AC 120V/ 60Hz



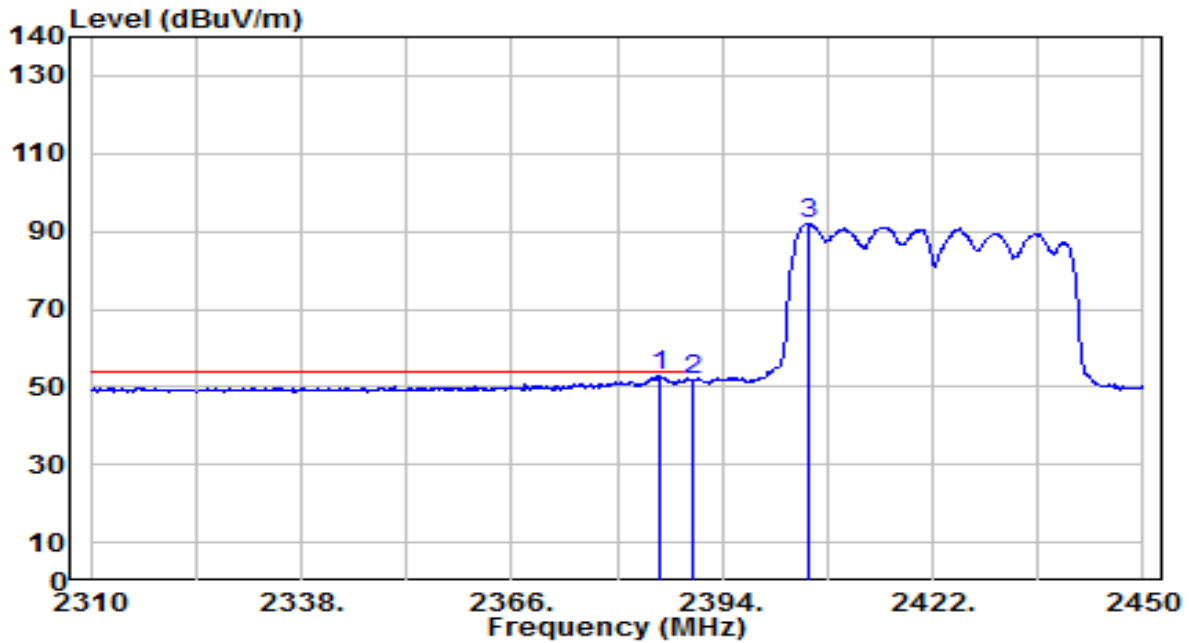
No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2388.960	36.93	32.28	69.21	-4.79	74.00	190	180	Peak
2	2390.000	35.76	32.28	68.04	-5.96	74.00	190	180	Peak
3	2406.040	69.43	32.34	101.77	N/A	N/A	190	180	Peak

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	AC 120V/ 60Hz

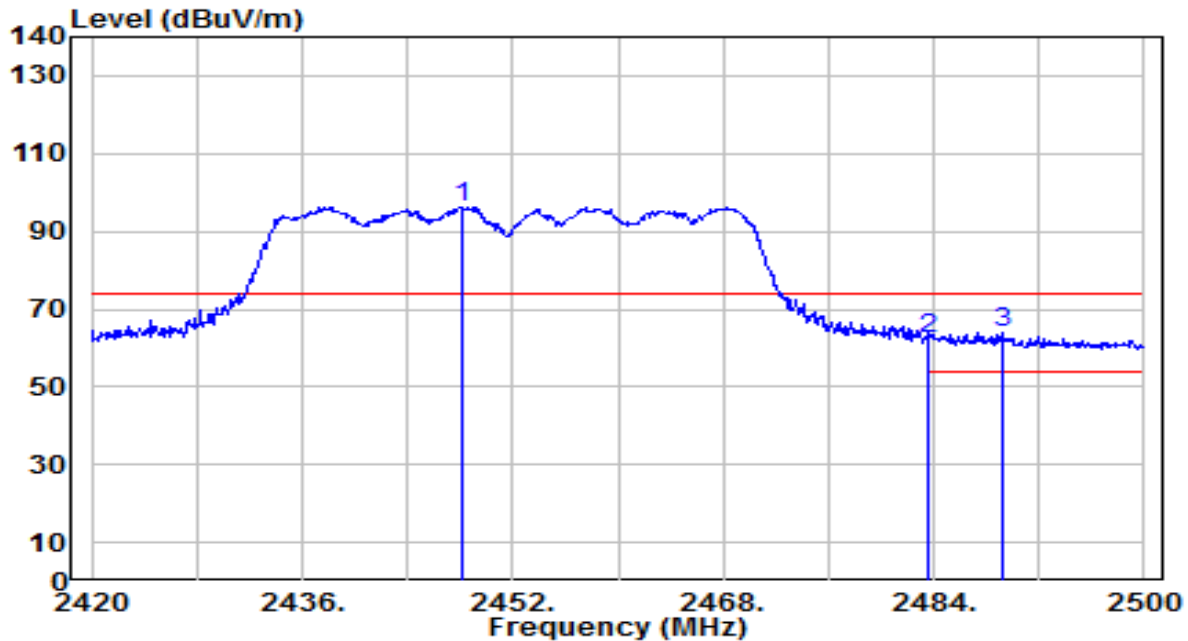


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	20.74	32.27	53.01	-0.99	54.00	190	180	Average
2		19.54	32.28	51.82	-2.18	54.00	190	180	Average
3		59.67	32.34	92.01	N/A	N/A	190	180	Average

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	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	AC 120V/ 60Hz

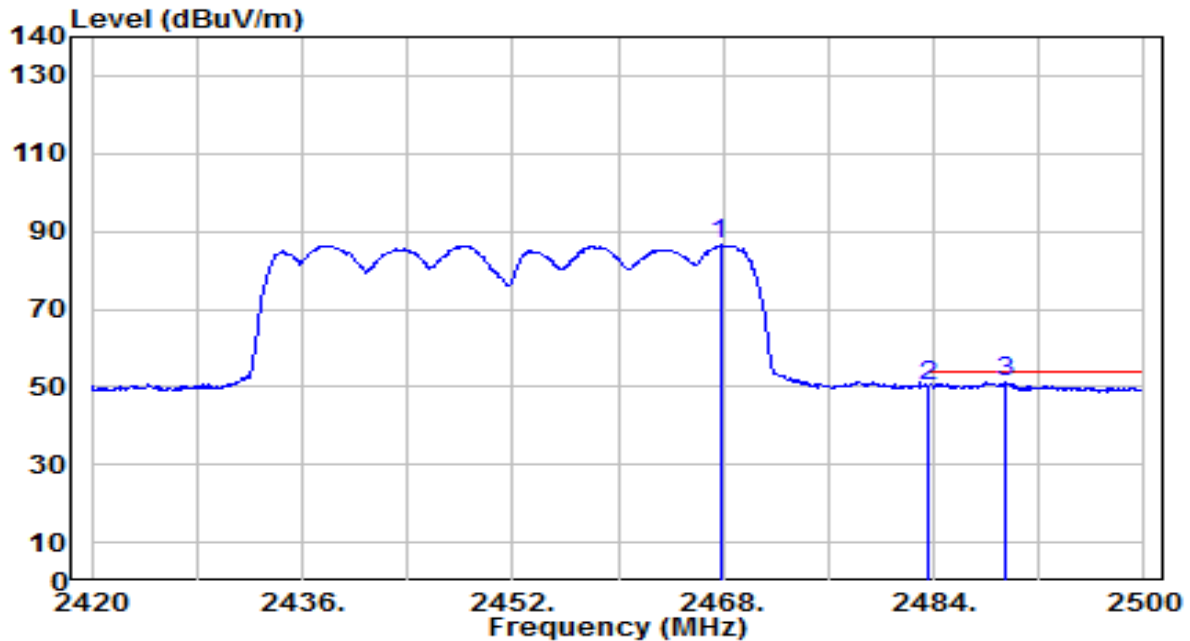


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2448.080	63.81	32.49	96.30	N/A	N/A	275	105	Peak
2	2483.500	29.49	32.62	62.11	-11.89	74.00	275	105	Peak
3	* 2489.200	31.08	32.64	63.72	-10.28	74.00	275	105	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	AC 120V/ 60Hz

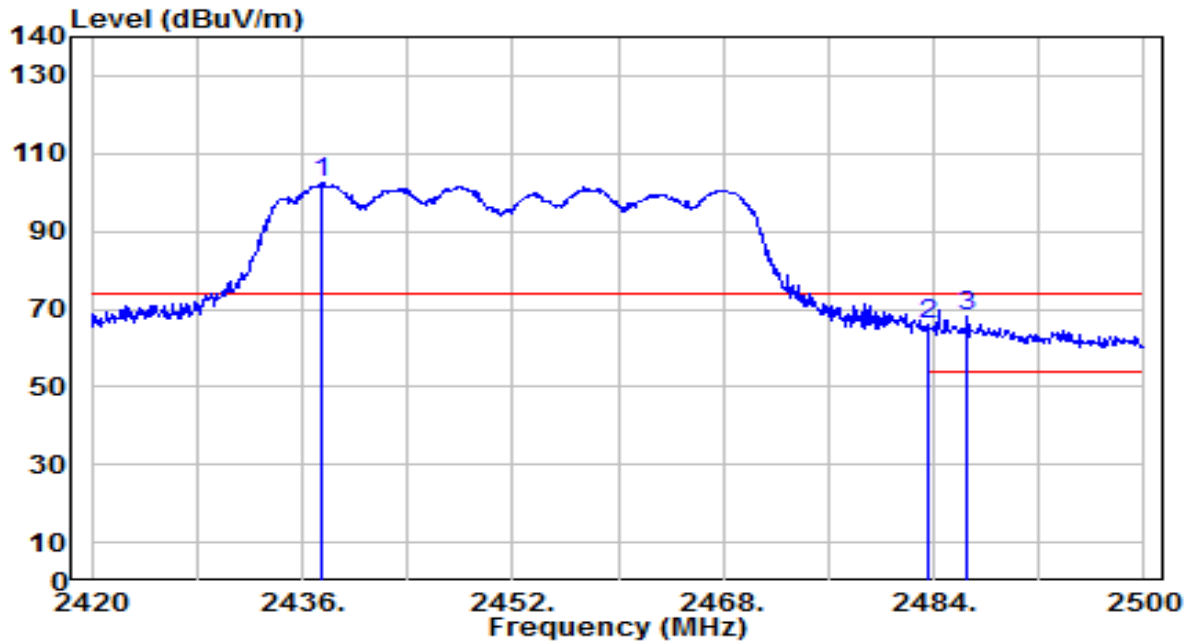


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2467.760	53.91	32.56	86.48	N/A	N/A	275	105	Average
2	2483.500	17.58	32.62	50.20	-3.80	54.00	275	105	Average
3	* 2489.520	18.82	32.64	51.46	-2.54	54.00	275	105	Average

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	AC 120V/ 60Hz

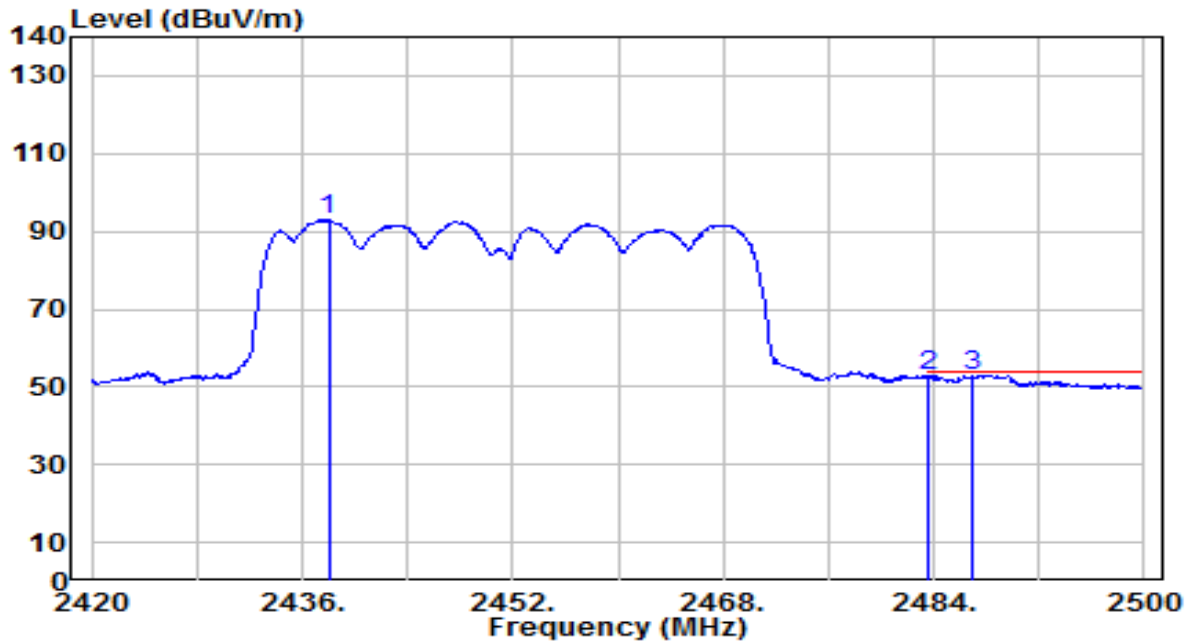


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2437.520	69.89	32.46	102.34	N/A	N/A	170	170	Peak
2	2483.500	33.24	32.62	65.86	-8.14	74.00	170	170	Peak
3	* 2486.560	35.40	32.63	68.03	-5.97	74.00	170	170	Peak

Note:

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

EUT	Monarch 12	Date of Test	2022-11-14
Factor	BBHA 9120D	Temp. / Humidity	23°C /64%
Polarity	Vertical	Site / Test Engineer	AC1 / Ares
Test Mode	802.11n-40MHz_TX_CH 9_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	2438.000	60.39	32.46	92.85	N/A	N/A	170	170	Average
2	2483.500	20.11	32.62	52.73	-1.27	54.00	170	170	Average
3	* 2486.880	20.36	32.63	53.00	-1.00	54.00	170	170	Average

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.

## 7.8. AC Conducted Emissions Measurement

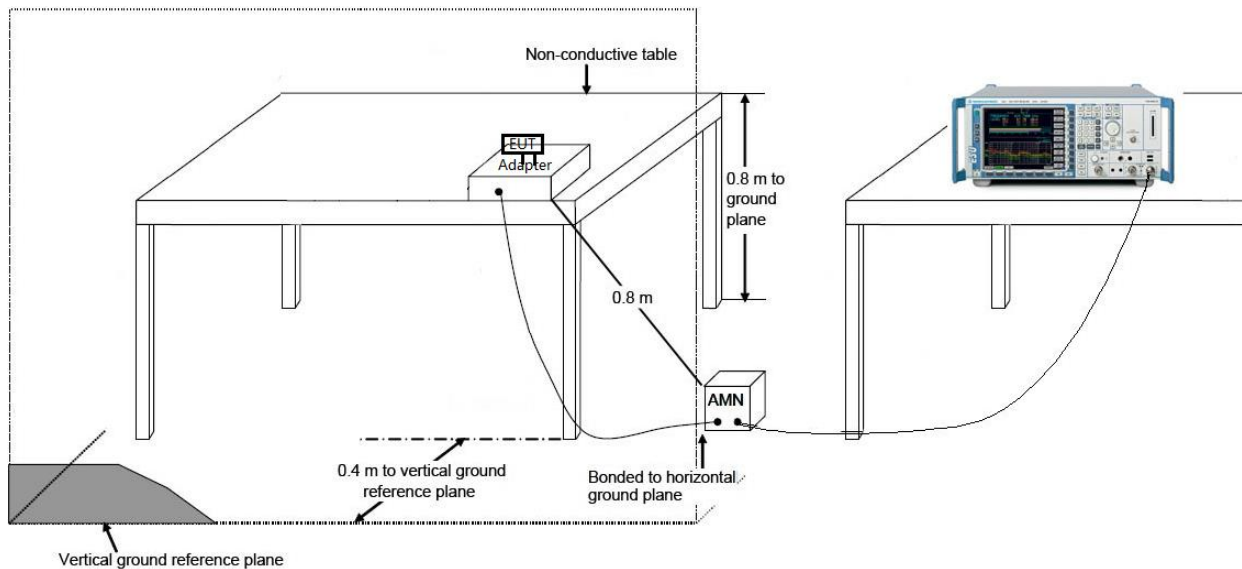
### 7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Limits		
Frequency (MHz)	QP (dB $\mu$ V)	Average (dB $\mu$ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

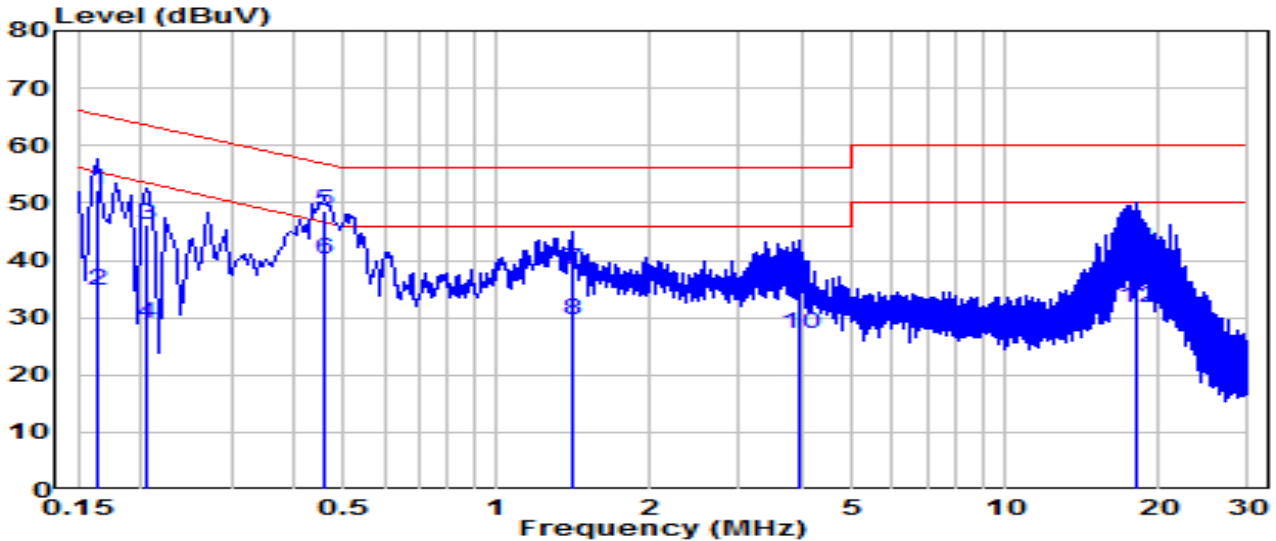
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.8.2. Test Setup



### 7.8.3. Test Result

EUT	Monarch 12	Date of Test	2022-11-03
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	23.5°C /59%
Polarity	Line1	Site / Test Engineer	SR2 / Dio
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz

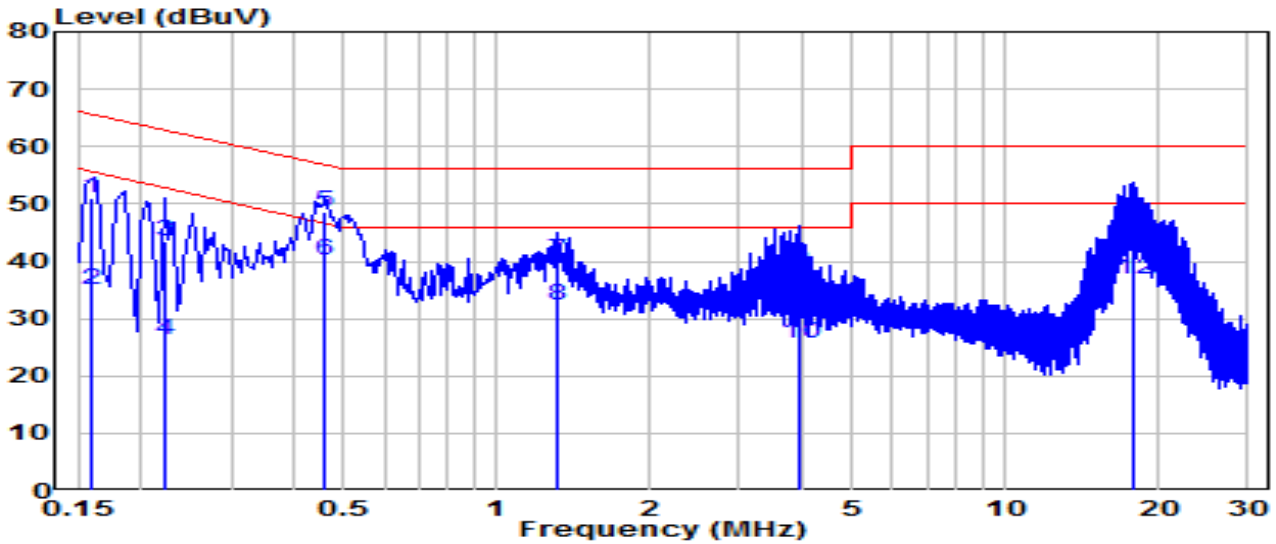


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	0.163	42.51	9.62	52.13	-13.16	65.28	QP
2	0.163	24.96	9.62	34.58	-20.71	55.28	Average
3	0.204	36.60	9.62	46.23	-17.22	63.45	QP
4	0.204	19.23	9.62	28.85	-24.60	53.45	Average
5	* 0.460	38.87	9.64	48.51	-8.17	56.68	QP
6	* 0.460	30.37	9.64	40.01	-6.67	46.68	Average
7	1.405	28.60	9.68	38.28	-17.72	56.00	QP
8	1.405	19.98	9.68	29.66	-16.34	46.00	Average
9	3.939	26.74	9.73	36.46	-19.54	56.00	QP
10	3.939	17.34	9.73	27.07	-18.93	46.00	Average
11	18.103	32.12	9.91	42.03	-17.97	60.00	QP
12	18.103	21.88	9.91	31.80	-18.20	50.00	Average

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	Monarch 12	Date of Test	2022-11-03
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	23.5°C /59%
Polarity	Neutral	Site / Test Engineer	SR2 / Dio
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz



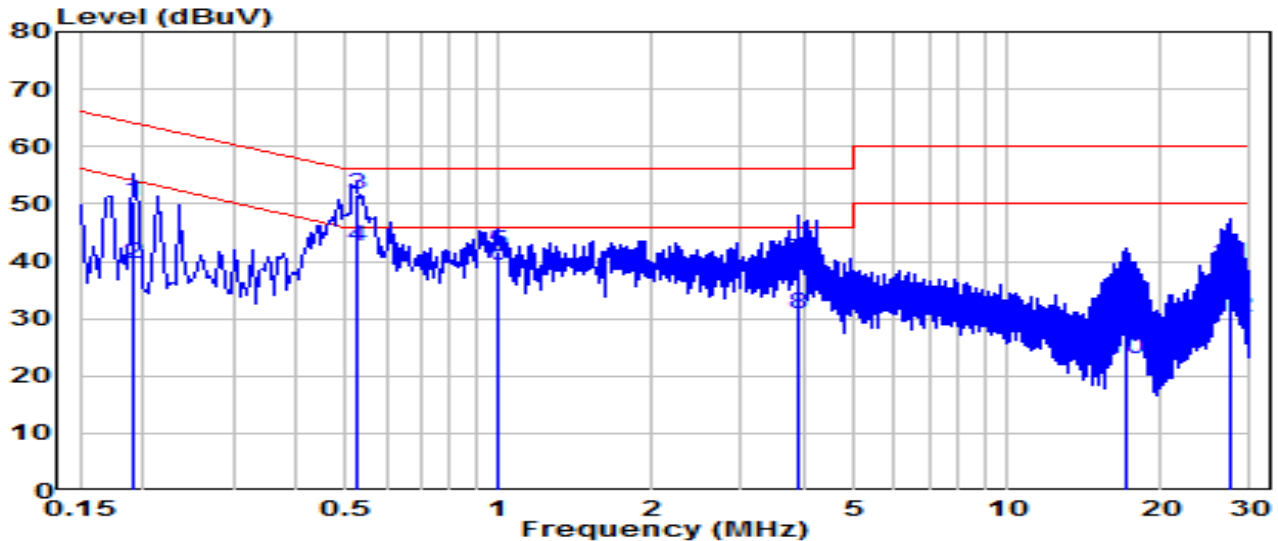
No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	0.159	41.41	9.62	51.03	-14.49	65.52	QP
2	0.159	25.41	9.62	35.03	-20.49	55.52	Average
3	0.222	33.70	9.62	43.33	-19.42	62.74	QP
4	0.222	16.50	9.62	26.12	-26.62	52.74	Average
5	* 0.460	39.07	9.64	48.71	-7.98	56.68	QP
6	* 0.460	30.53	9.64	40.17	-6.52	46.68	Average
7	1.306	30.36	9.68	40.04	-15.96	56.00	QP
8	1.306	22.64	9.68	32.32	-13.68	46.00	Average
9	3.948	28.48	9.73	38.21	-17.79	56.00	QP
10	3.948	15.83	9.73	25.56	-20.44	46.00	Average
11	17.788	36.62	9.97	46.59	-13.41	60.00	QP
12	17.788	26.78	9.97	36.75	-13.25	50.00	Average

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).



EUT	Monarch 12	Date of Test	2022-11-03
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	23.5°C /59%
Polarity	Line1	Site / Test Engineer	SR2 / Dio
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 240V/60Hz

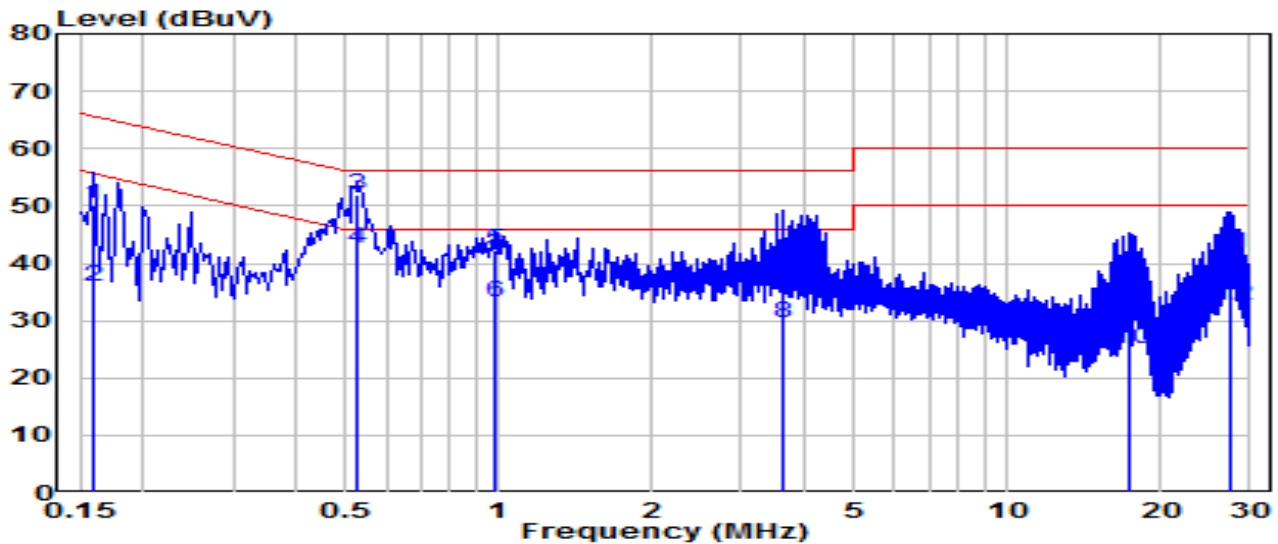


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	0.190	40.81	9.62	50.43	-13.59	64.01	QP
2	0.190	29.89	9.62	39.52	-14.50	54.01	Average
3	* 0.523	42.07	9.64	51.71	-4.29	56.00	QP
4	* 0.523	32.91	9.64	42.55	-3.45	46.00	Average
5	0.991	31.87	9.67	41.54	-14.46	56.00	QP
6	0.991	29.56	9.67	39.23	-6.77	46.00	Average
7	3.880	30.37	9.73	40.09	-15.91	56.00	QP
8	3.880	21.13	9.73	30.86	-15.14	46.00	Average
9	17.028	23.89	9.91	33.79	-26.21	60.00	QP
10	17.028	12.89	9.91	22.80	-27.20	50.00	Average
11	27.363	29.53	9.91	39.44	-20.56	60.00	QP
12	27.363	20.30	9.91	30.21	-19.79	50.00	Average

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	Monarch 12	Date of Test	2022-11-03
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	23.5°C /59%
Polarity	Neutral	Site / Test Engineer	SR2 / Dio
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 240V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	0.159	40.44	9.62	50.06	-15.45	65.52	QP
2	0.159	26.23	9.62	35.85	-19.66	55.52	Average
3	* 0.523	42.29	9.64	51.94	-4.06	56.00	QP
4	* 0.523	32.91	9.64	42.56	-3.44	46.00	Average
5	0.987	32.59	9.67	42.26	-13.74	56.00	QP
6	0.987	23.66	9.67	33.33	-12.67	46.00	Average
7	3.601	28.99	9.72	38.72	-17.28	56.00	QP
8	3.601	19.85	9.72	29.57	-16.43	46.00	Average
9	17.356	27.23	9.96	37.20	-22.80	60.00	QP
10	17.356	14.95	9.96	24.91	-25.09	50.00	Average
11	27.345	31.68	10.04	41.72	-18.28	60.00	QP
12	27.345	22.49	10.04	32.52	-17.48	50.00	Average

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Intercom** is in compliance with Part 15C of the FCC Rules.

————— The End —————