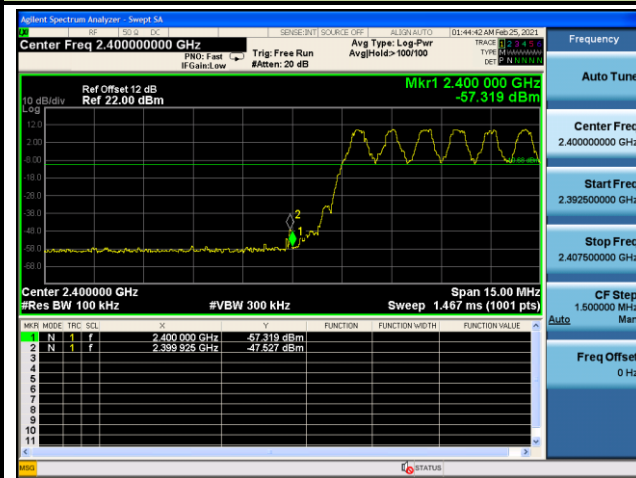
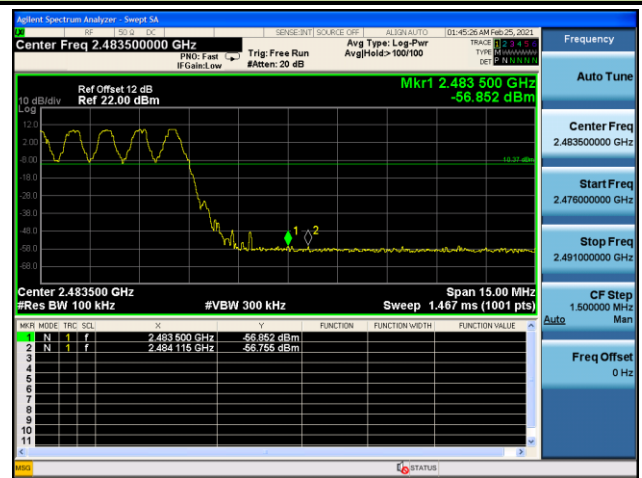


Band Edge With Hopping On

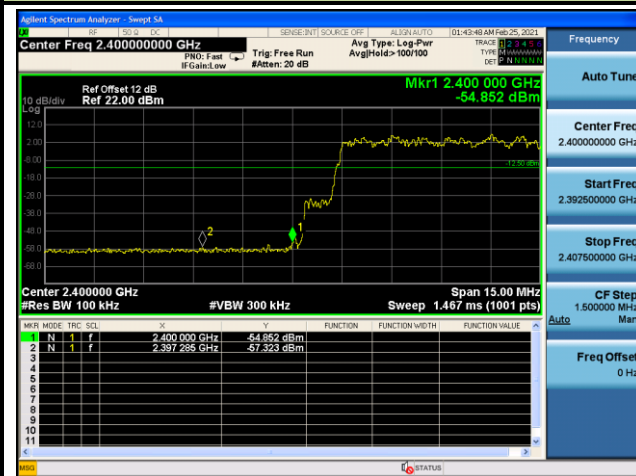
CH00 (2402MHz) DH5(1Mbps)



CH78 (2480MHz) DH5(1Mbps)



CH00 (2402MHz) 3-DH5(3Mbps)



CH78 (2480MHz) 3-DH5(3Mbps)



7.8. Radiated Spurious Emission Measurement

7.8.1. 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

7.8.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

7.8.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3 * RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

- Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

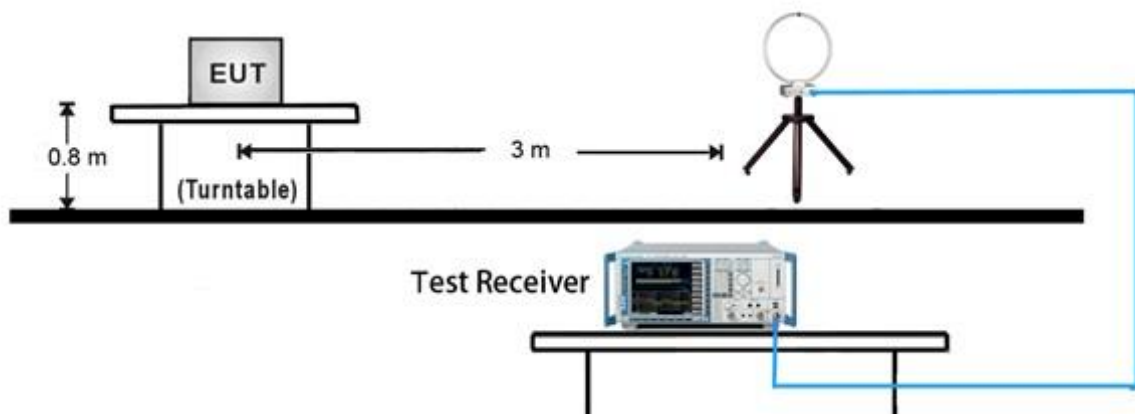
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

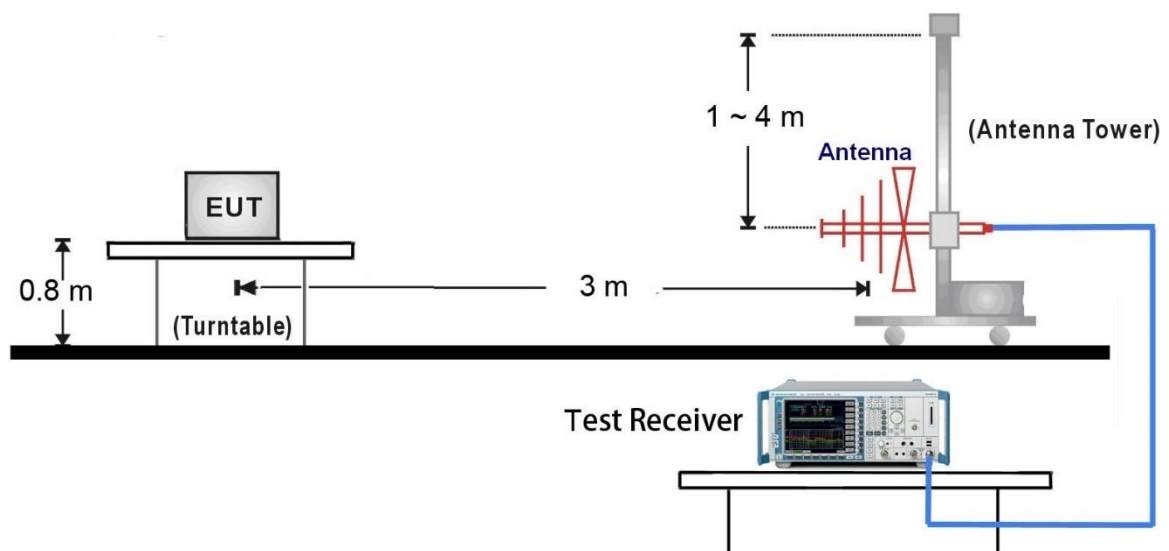
- Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- RBW = 1MHz
- $VBW \geq 1/T$
- De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold
- Allow max hold to run for at least 50 times (1/duty cycle) traces

7.8.4. Test Setup

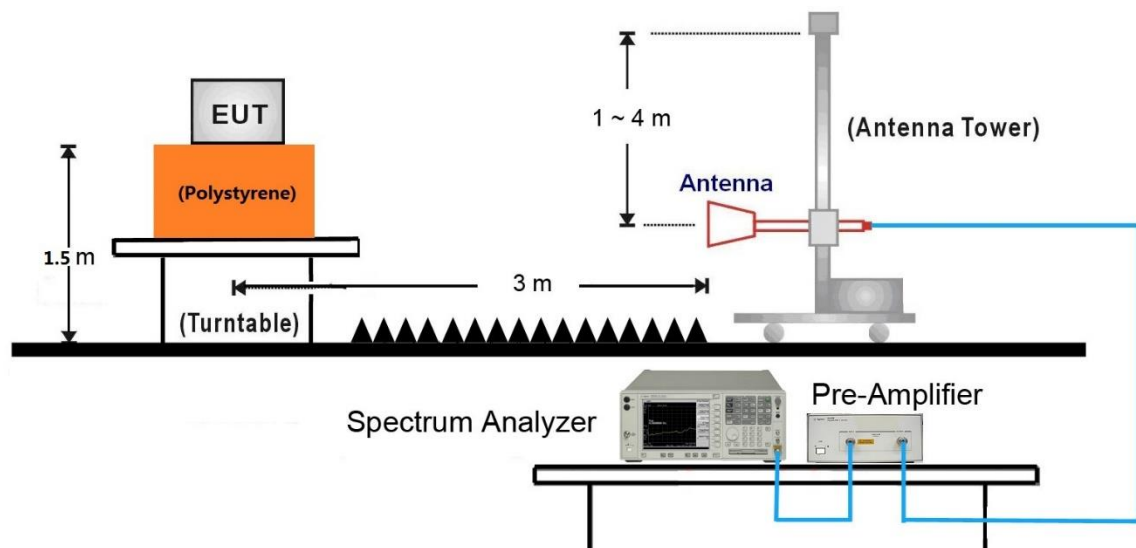
9kHz ~ 30MHz Test Setup:



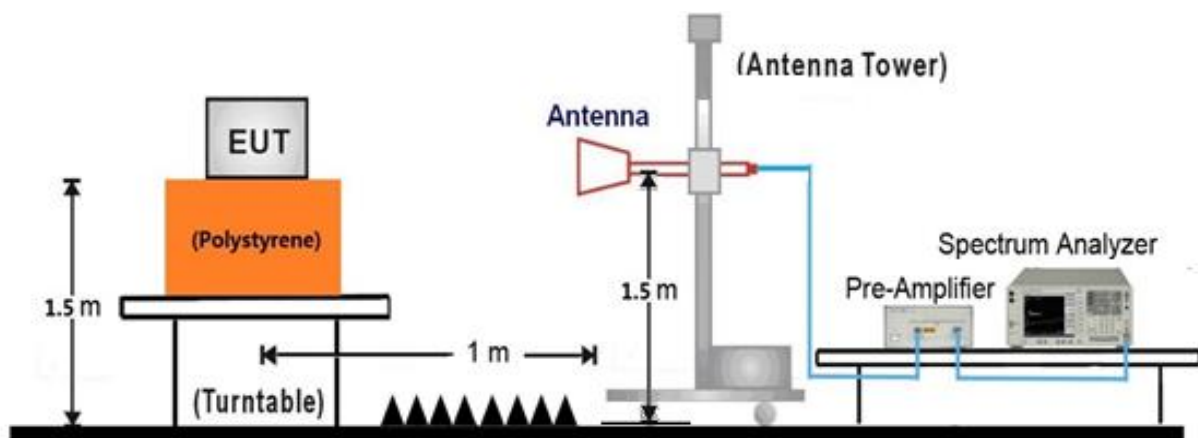
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

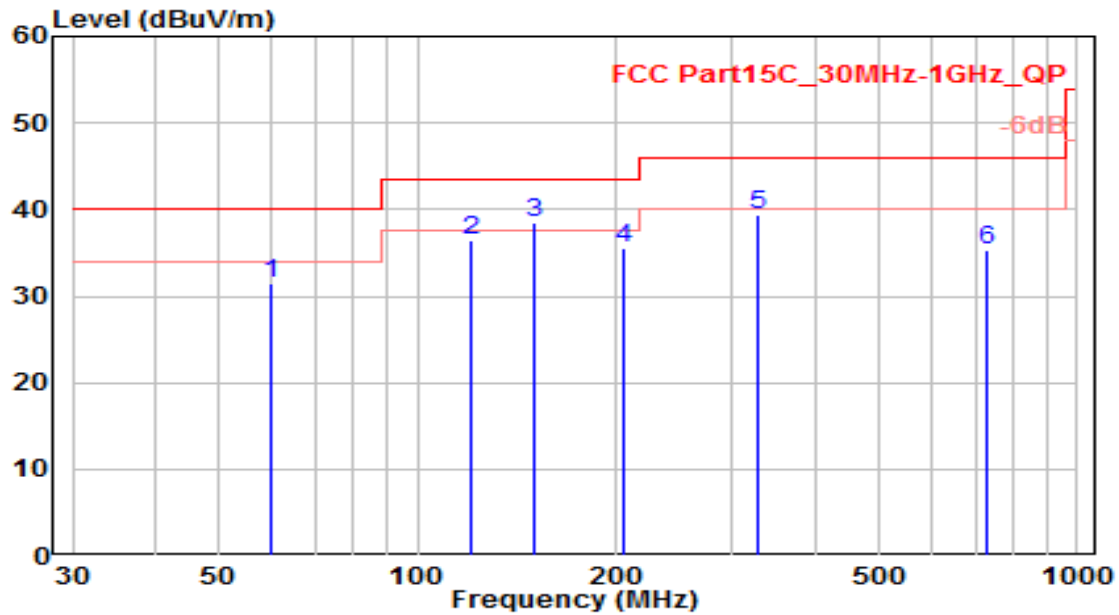


18GHz ~40GHz Test Setup:



7.8.5. Test Result

EUT	Handheld Data Terminal	Date of Test	2021-01-21
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Tim
Test Mode	TX_DH5_CH 39	Test Voltage	AC 120V/60Hz

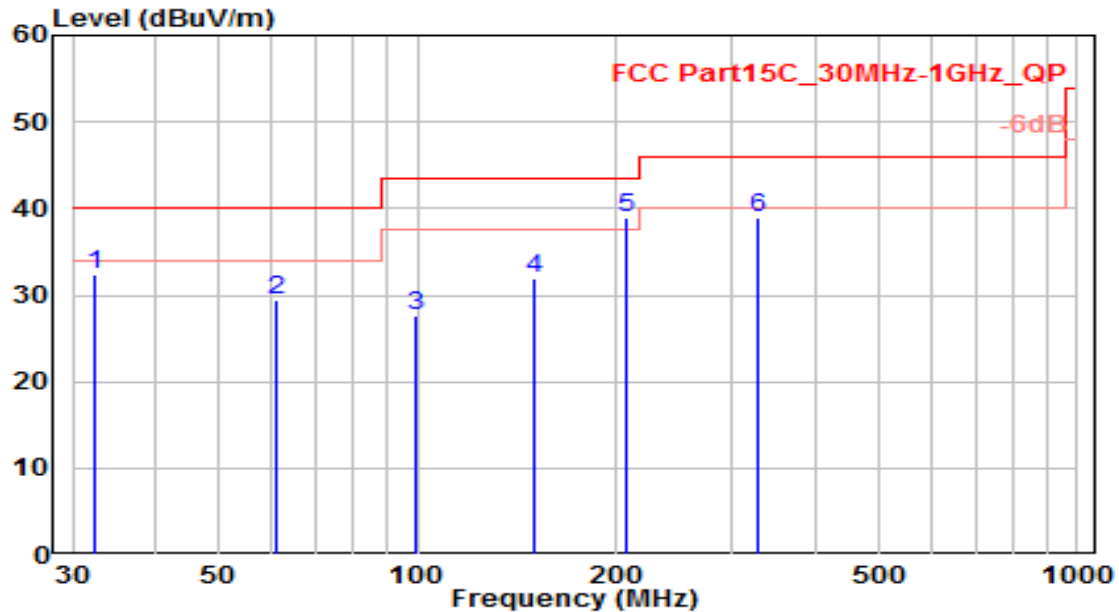


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	60.190	11.29	20.15	31.44	-8.56	40.00	100	290	QP
2	120.270	19.25	17.21	36.46	-7.04	43.50	100	100	QP
3	* 150.650	22.51	16.00	38.51	-4.99	43.50	100	150	QP
4	206.190	16.64	18.96	35.60	-7.90	43.50	100	210	QP
5	328.240	16.95	22.48	39.43	-6.57	46.00	100	160	QP
6	729.400	5.61	29.78	35.39	-10.61	46.00	100	260	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-21
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Tim
Test Mode	TX_DH5_CH 39	Test Voltage	AC 120V/60Hz

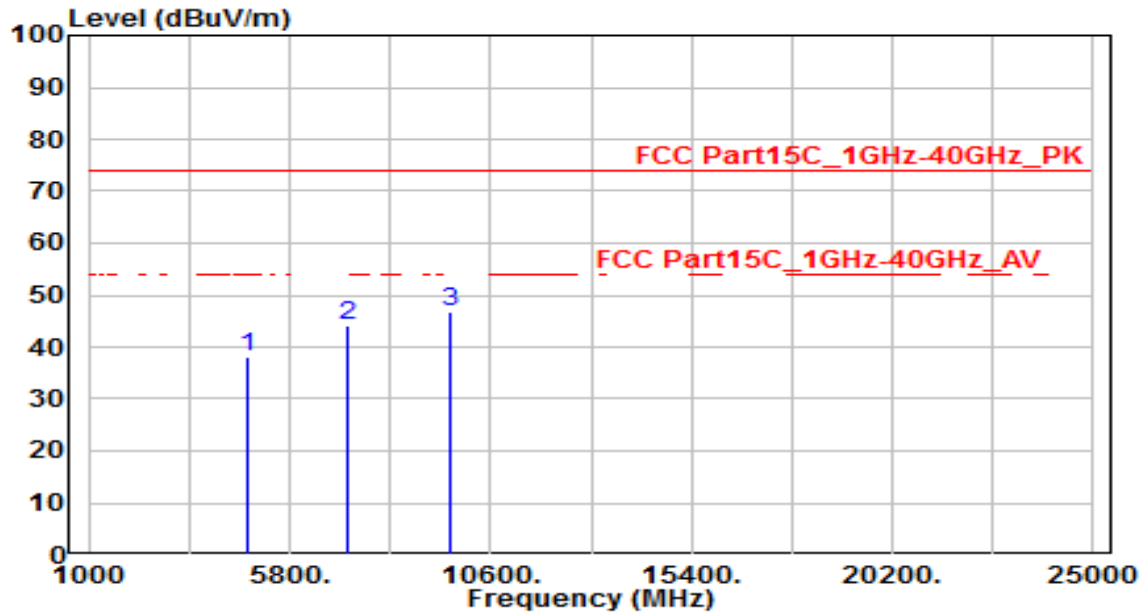


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	32.290	13.51	18.82	32.33	-7.67	40.00	100	30	QP
2	61.190	9.59	19.82	29.41	-10.59	40.00	100	210	QP
3	99.280	8.61	19.02	27.63	-15.87	43.50	100	260	QP
4	150.610	15.84	16.00	31.84	-11.66	43.50	100	250	QP
5	* 207.460	19.96	18.91	38.86	-4.64	43.50	100	290	QP
6	327.190	16.61	22.44	39.05	-6.95	46.00	100	360	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_DH5_CH 0	Test Voltage	AC 120V/60Hz

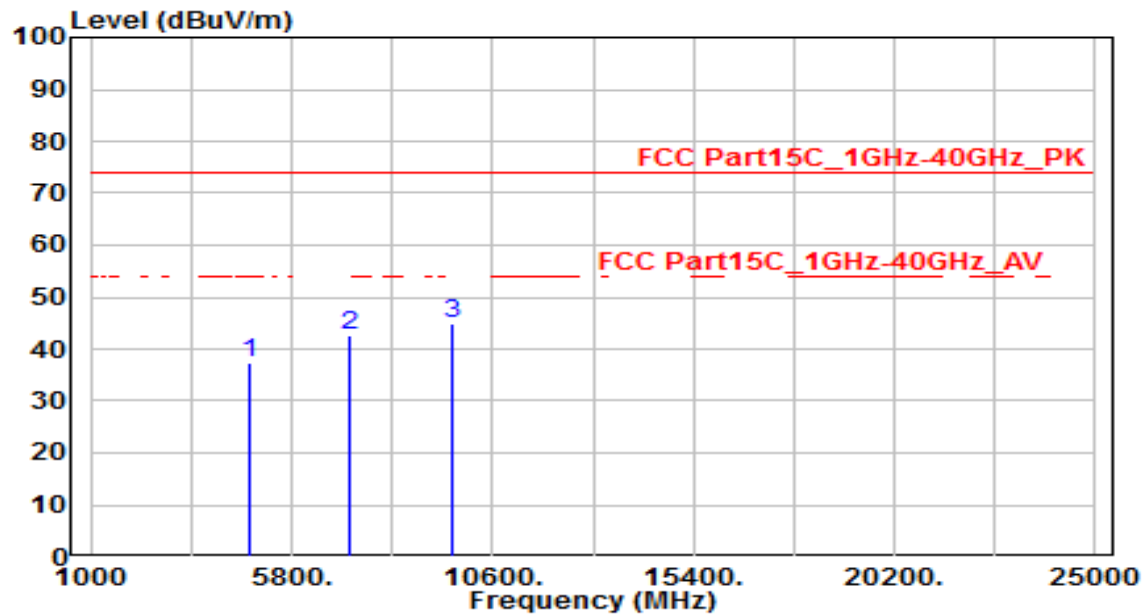


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4804.000	34.84	3.28	38.12	-35.88	74.00	150	0	Peak
2	7206.000	33.26	10.88	44.15	-29.85	74.00	150	0	Peak
3	* 9608.000	32.14	14.62	46.76	-27.24	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_DH5_CH 0	Test Voltage	AC 120V/60Hz

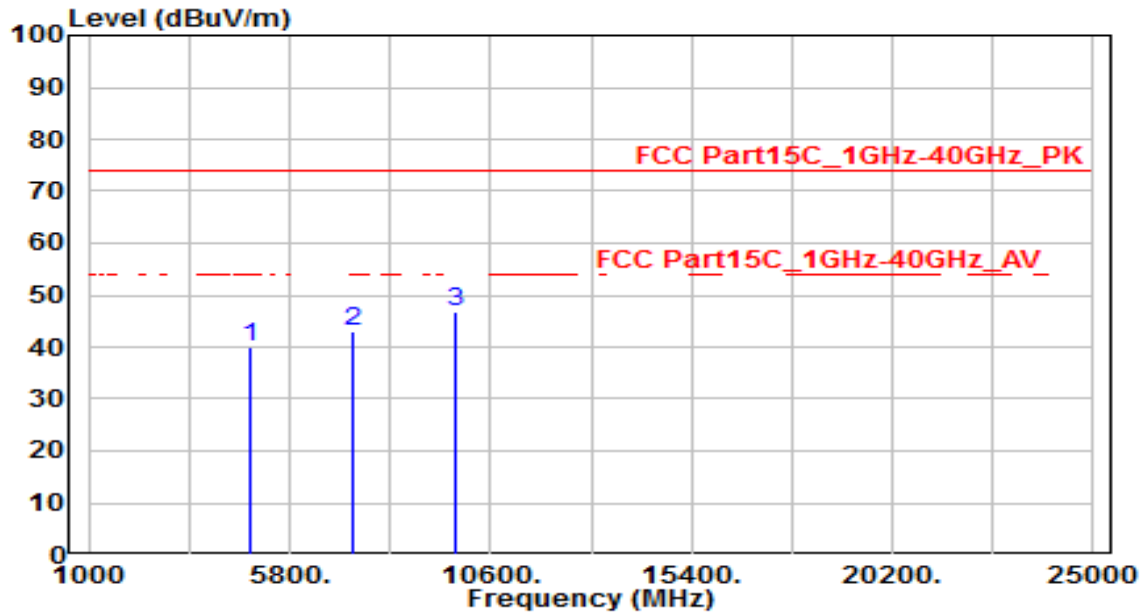


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4804.000	33.94	3.28	37.22	-36.78	74.00	150	0	Peak
2	7206.000	31.68	10.88	42.57	-31.43	74.00	150	0	Peak
3	* 9608.000	30.35	14.62	44.97	-29.03	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_DH5_CH 39	Test Voltage	AC 120V/60Hz

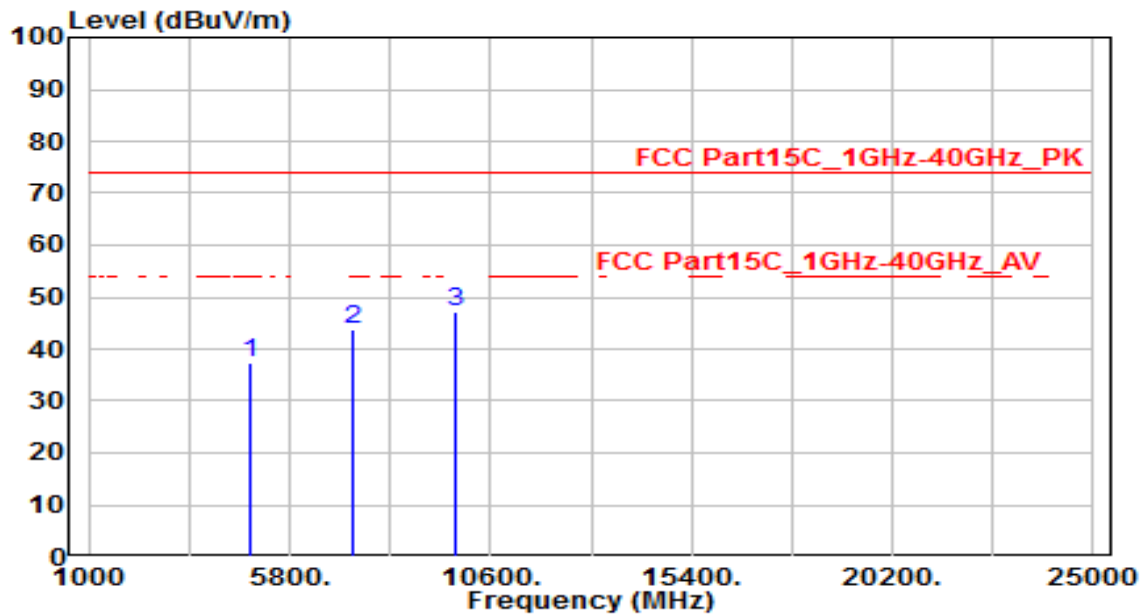


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4882.000	36.59	3.47	40.06	-33.94	74.00	150	0	Peak
2	7323.000	31.80	11.21	43.02	-30.98	74.00	150	0	Peak
3	* 9764.000	31.99	14.92	46.91	-27.09	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_DH5_CH 39	Test Voltage	AC 120V/60Hz

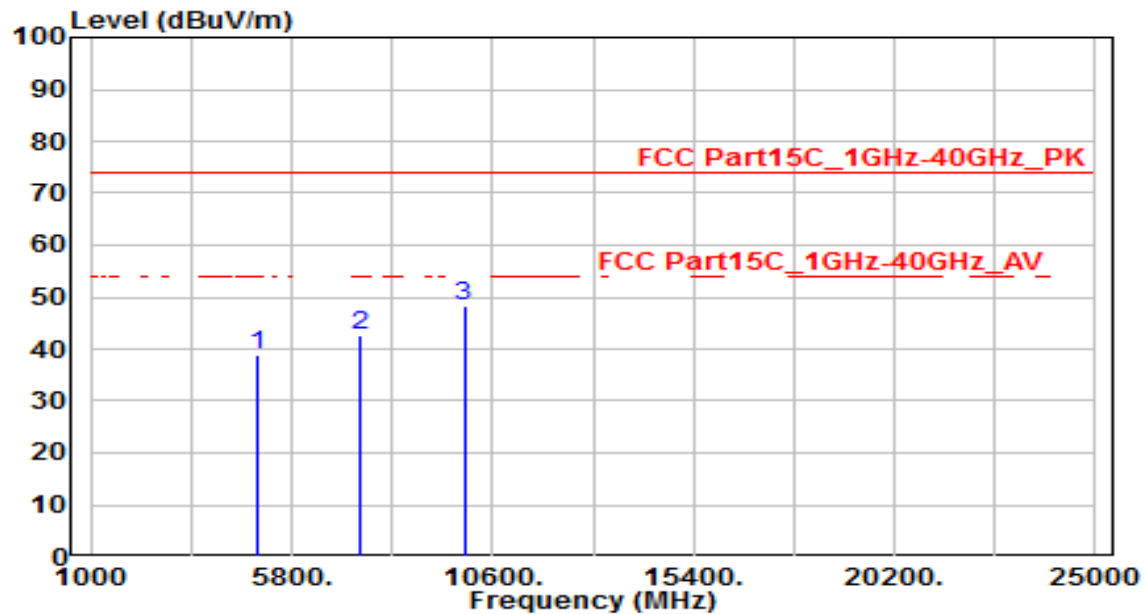


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4882.000	33.95	3.47	37.41	-36.59	74.00	150	0	Peak
2	7323.000	32.38	11.21	43.60	-30.40	74.00	150	0	Peak
3	* 9764.000	32.18	14.92	47.10	-26.90	74.00	150	0	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_DH5_CH 78	Test Voltage	AC 120V/60Hz

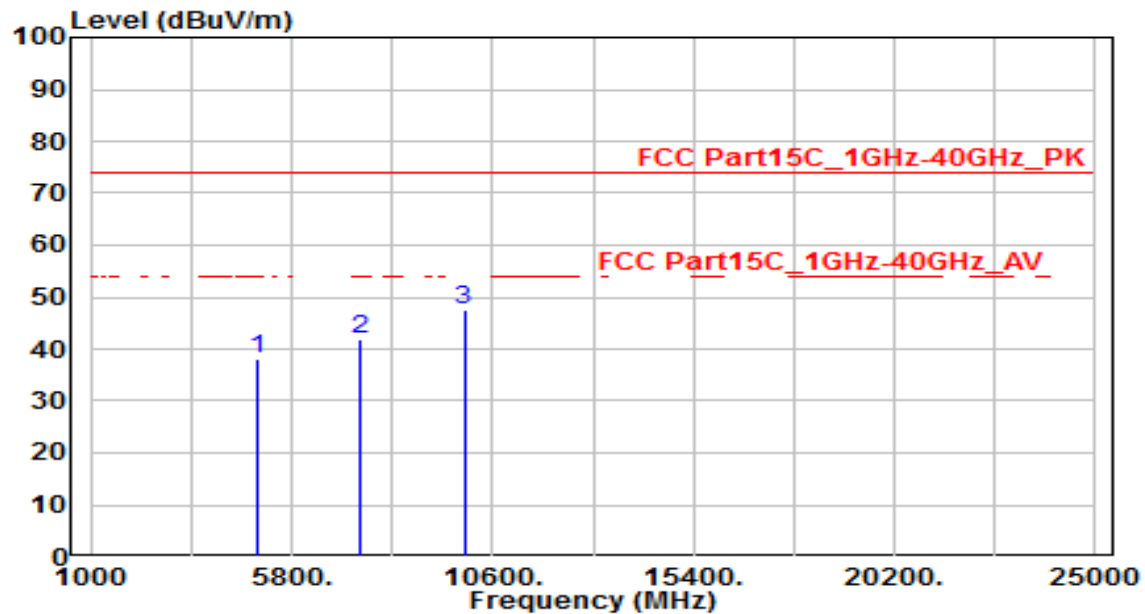


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4960.000	35.14	3.65	38.80	-35.20	74.00	150	0	Peak
2	7440.000	31.10	11.55	42.64	-31.36	74.00	150	0	Peak
3	* 9920.000	32.97	15.21	48.18	-25.82	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_DH5_CH 78	Test Voltage	AC 120V/60Hz

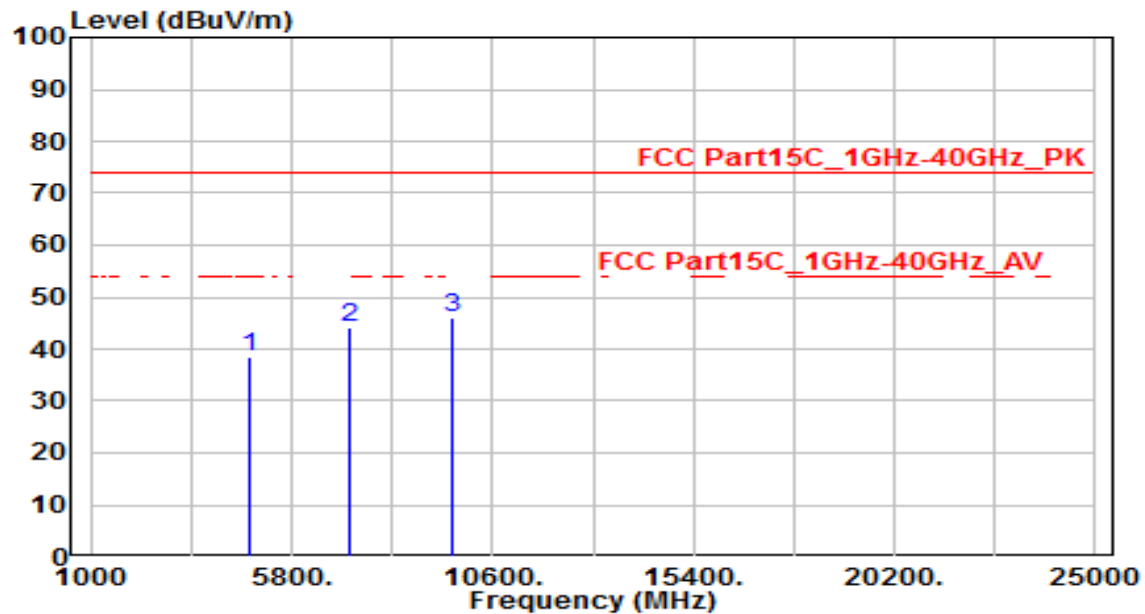


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4960.000	34.44	3.65	38.10	-35.90	74.00	150	0	Peak
2	7440.000	30.41	11.55	41.96	-32.04	74.00	150	0	Peak
3	* 9920.000	32.46	15.21	47.67	-26.33	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_3-DH5_CH 0	Test Voltage	AC 120V/60Hz

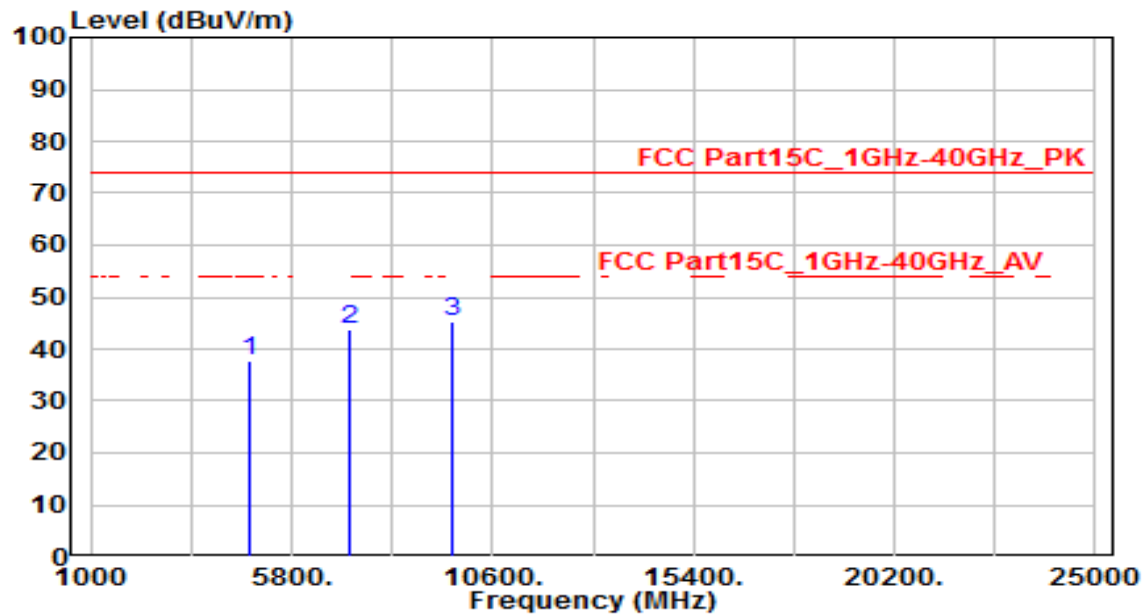


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4804.000	35.10	3.28	38.38	-35.62	74.00	150	0	Peak
2	7206.000	33.11	10.88	43.99	-30.01	74.00	150	0	Peak
3	* 9608.000	31.46	14.62	46.09	-27.91	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_3-DH5_CH 0	Test Voltage	AC 120V/60Hz

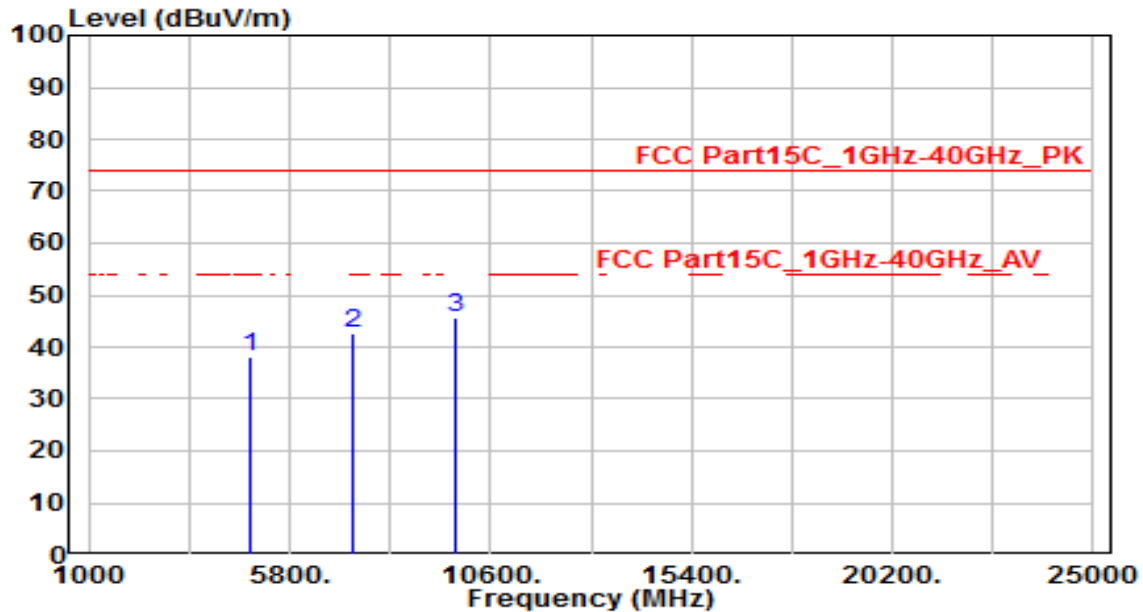


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4804.000	34.57	3.28	37.85	-36.15	74.00	150	0	Peak
2	7206.000	32.78	10.88	43.66	-30.34	74.00	150	0	Peak
3	* 9608.000	30.84	14.62	45.47	-28.53	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_3-DH5_CH 39	Test Voltage	AC 120V/60Hz

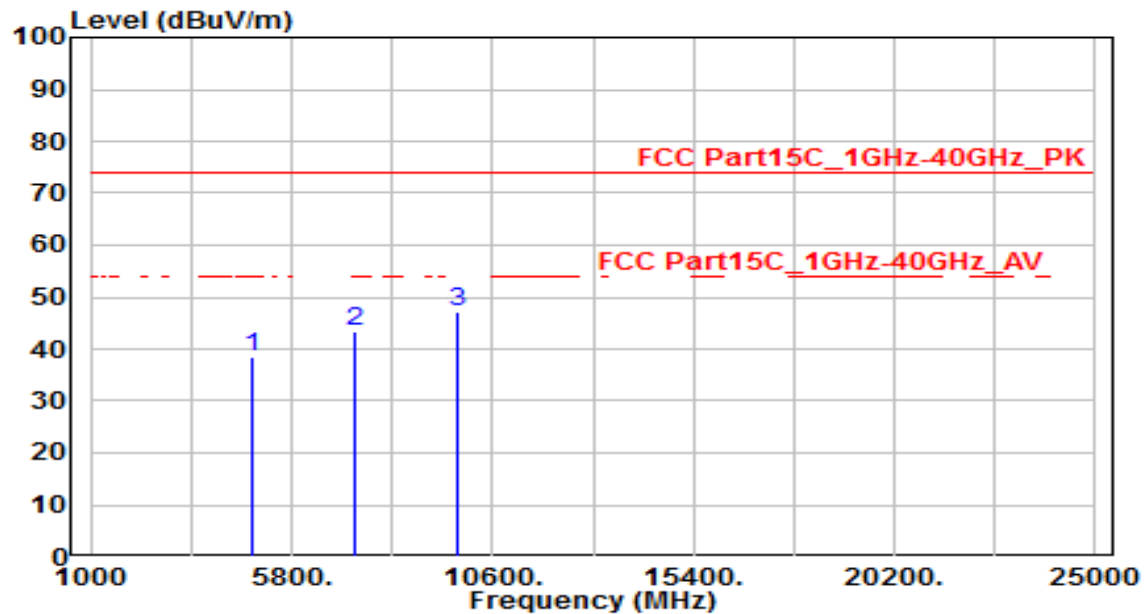


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4882.000	34.66	3.47	38.13	-35.87	74.00	150	0	Peak
2	7323.000	31.45	11.21	42.66	-31.34	74.00	150	0	Peak
3	* 9764.000	30.70	14.92	45.62	-28.38	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_3-DH5_CH 39	Test Voltage	AC 120V/60Hz

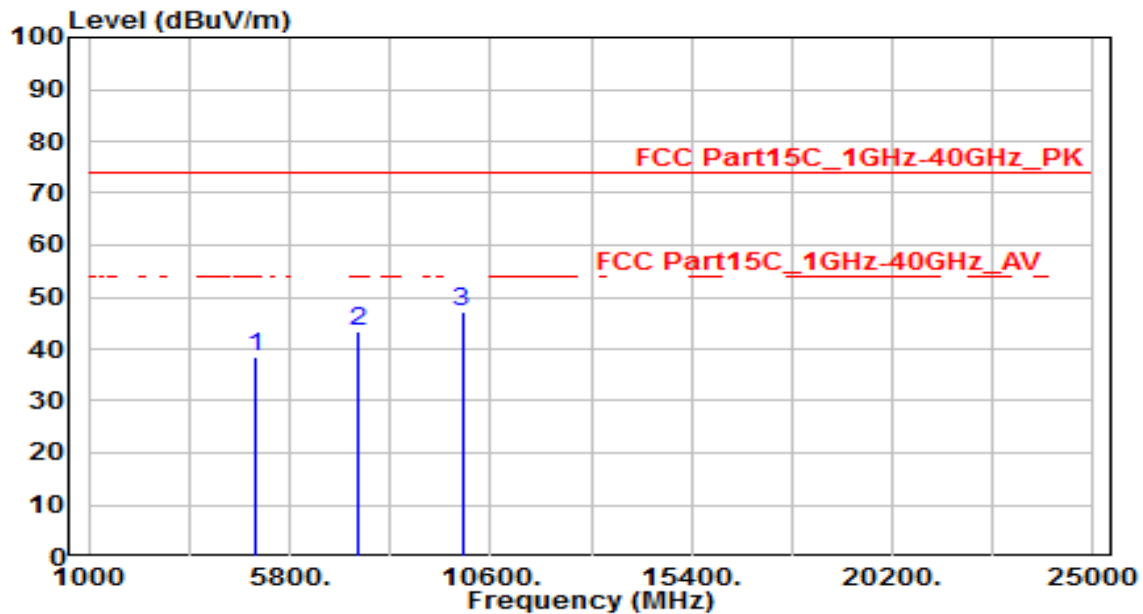


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4882.000	35.08	3.47	38.54	-35.46	74.00	150	0	Peak
2	7323.000	32.36	11.21	43.57	-30.43	74.00	150	0	Peak
3	* 9764.000	32.19	14.92	47.11	-26.89	74.00	150	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_3-DH5_CH 78	Test Voltage	AC 120V/60Hz

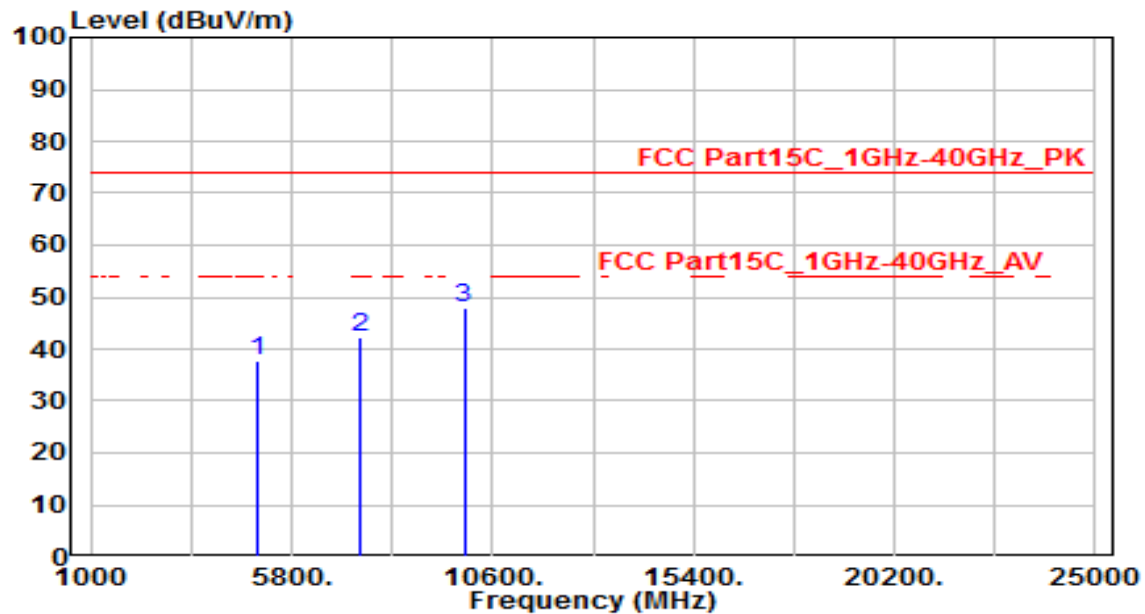


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4960.000	34.89	3.65	38.54	-35.46	74.00	150	0	Peak
2	7440.000	32.03	11.55	43.57	-30.43	74.00	150	0	Peak
3	* 9920.000	31.90	15.21	47.11	-26.89	74.00	150	0	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	BT_TX_3-DH5_CH 78	Test Voltage	AC 120V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4960.000	34.14	3.65	37.80	-36.20	74.00	150	0	Peak
2	7440.000	30.75	11.55	42.29	-31.71	74.00	150	0	Peak
3	* 9920.000	32.64	15.21	47.85	-26.15	74.00	150	0	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ 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.

7.9. Radiated Restricted Band Edge Measurement

7.9.1. 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

7.9.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

7.9.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3 * RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

- Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

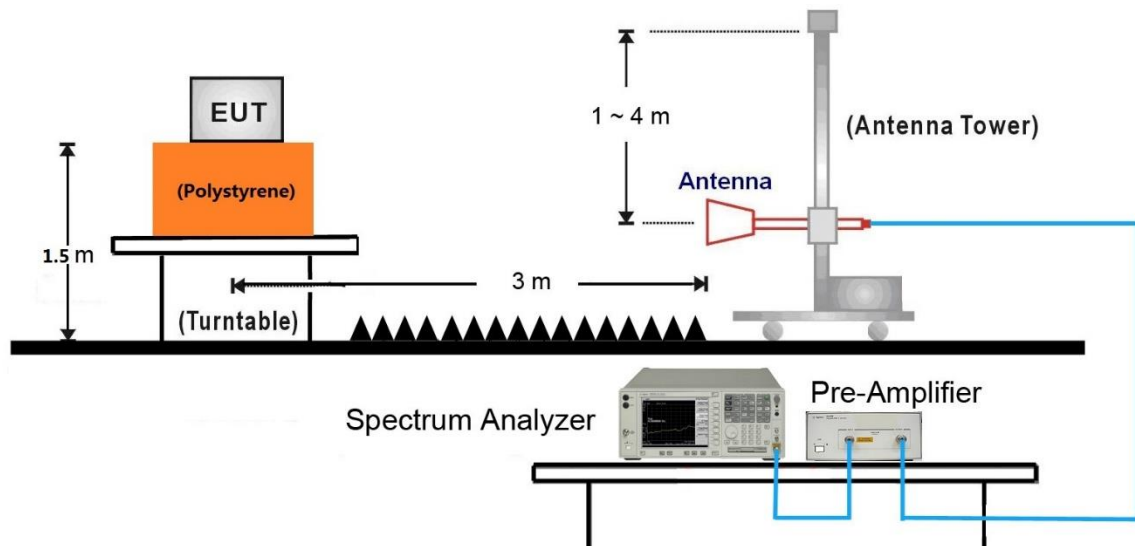
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

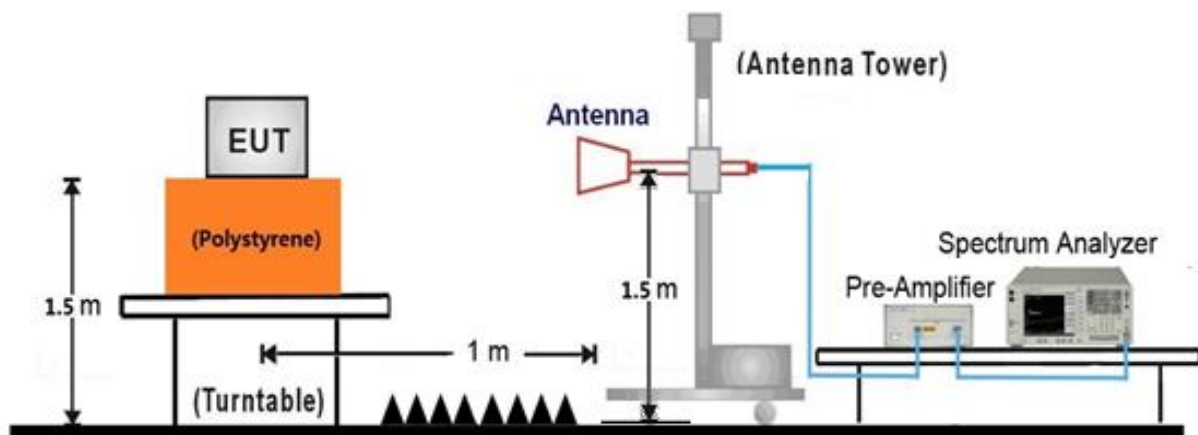
- Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- RBW = 1MHz
- VBW $\geq 1/T$
- De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold
- Allow max hold to run for at least 50 times (1/duty cycle) traces

7.9.4. Test Setup

1GHz ~ 18GHz Test Setup:

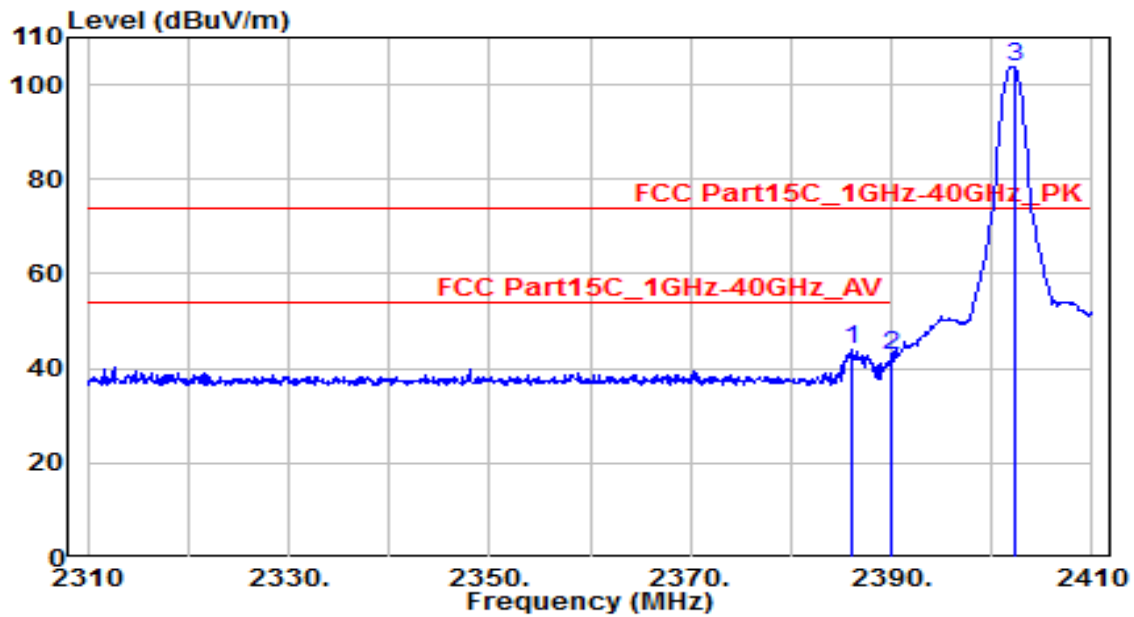


18GHz ~40GHz Test Setup:



7.9.5. Test Result

EUT	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_DH5_CH 0	Test Voltage	AC 120V/60Hz

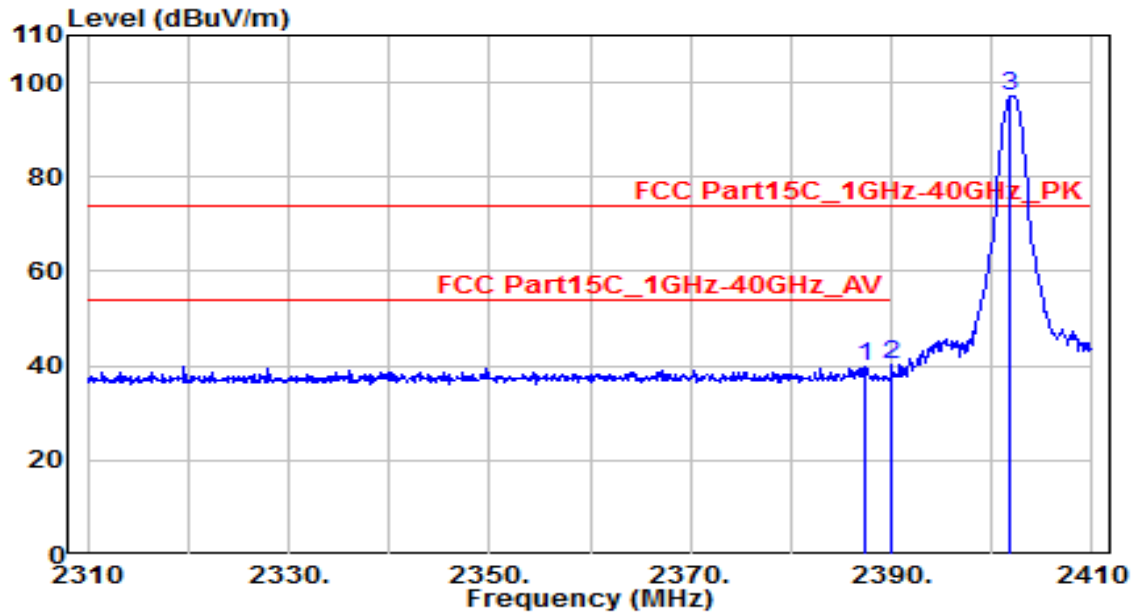


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2386.000	46.60	-2.72	43.87	-30.13	74.00	100	55	Peak
2		2390.000	45.60	-2.70	42.90	-31.10	74.00	100	55	Peak
3		2402.200	106.28	-2.65	103.63	N/A	N/A	100	55	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_DH5_CH 0	Test Voltage	AC 120V/60Hz

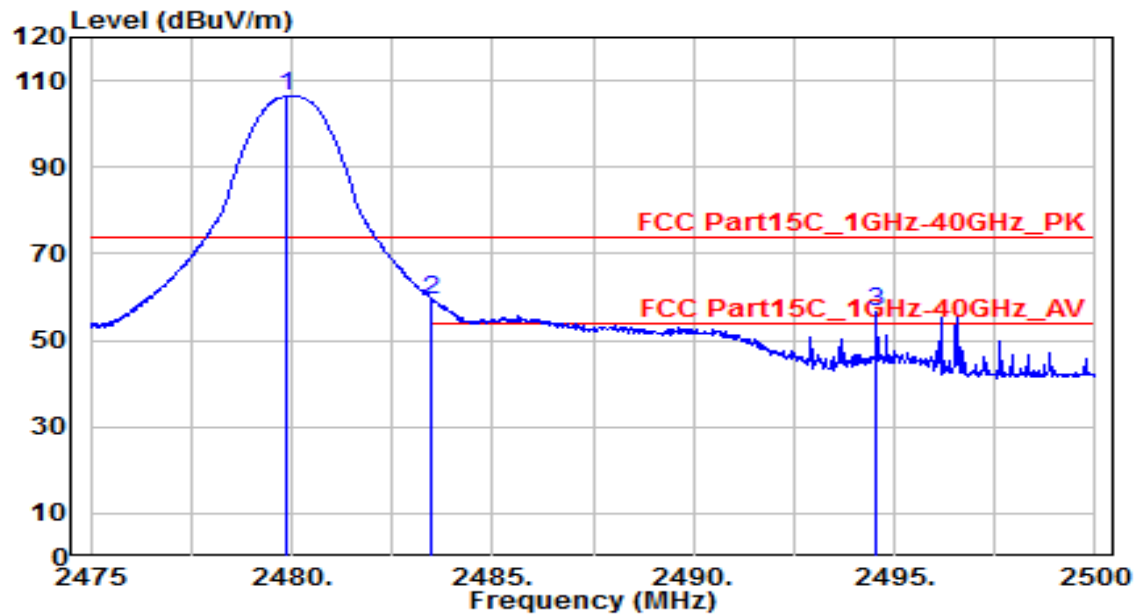


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.300	42.65	-2.72	39.93	-34.07	74.00	150	75	Peak
2	* 2390.000	42.81	-2.70	40.10	-33.90	74.00	150	75	Peak
3	2401.900	99.62	-2.65	96.97	N/A	N/A	150	75	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_DH5_CH 78	Test Voltage	AC 120V/60Hz

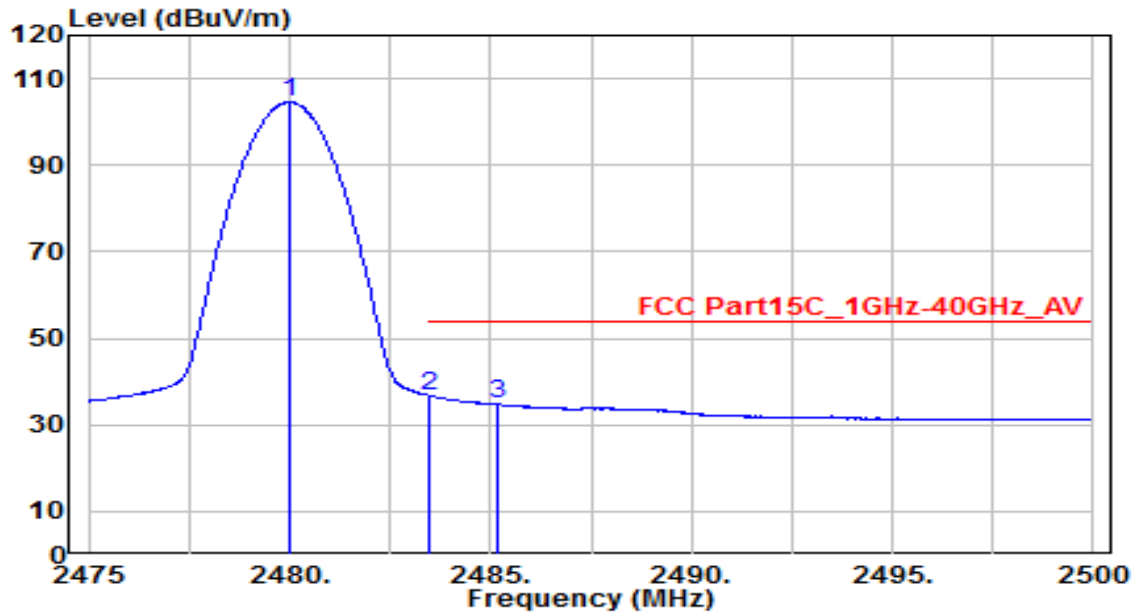


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.875	108.58	-2.31	106.27	N/A	N/A	100	55	Peak
2	* 2483.500	61.65	-2.29	59.36	-14.64	74.00	100	55	Peak
3	2494.550	58.69	-2.24	56.45	-17.55	74.00	100	55	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_DH5_CH 78	Test Voltage	AC 120V/60Hz

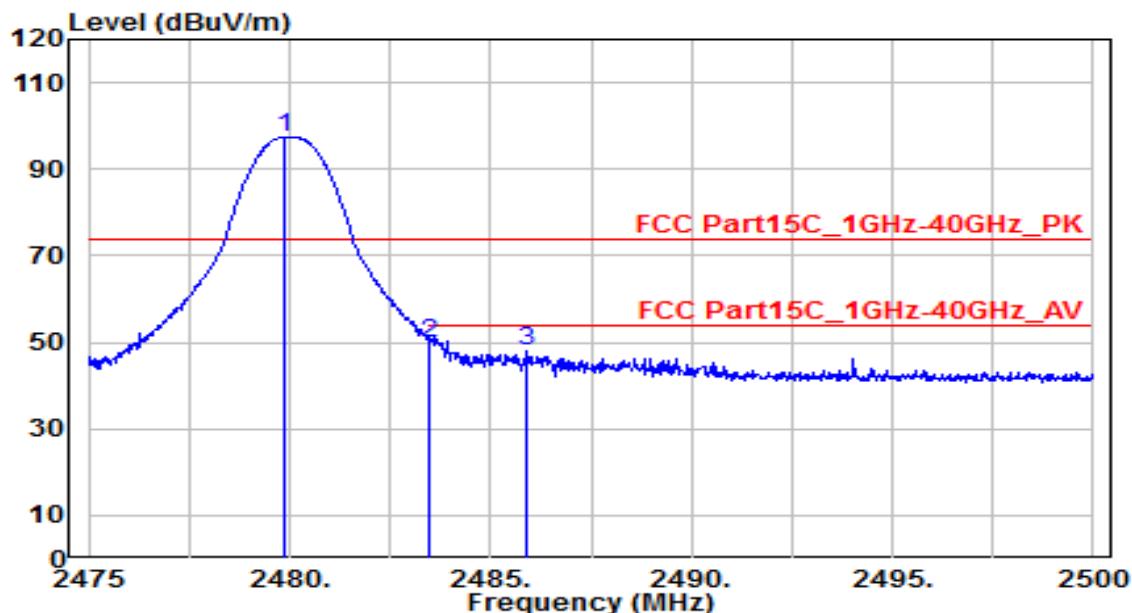


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2480.025	106.95	-2.31	104.64	N/A	N/A	100	55	Average
2	* 2483.500	39.05	-2.29	36.76	-17.24	54.00	100	55	Average
3	2485.175	37.02	-2.29	34.73	-19.27	54.00	100	55	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_DH5_CH 78	Test Voltage	AC 120V/60Hz

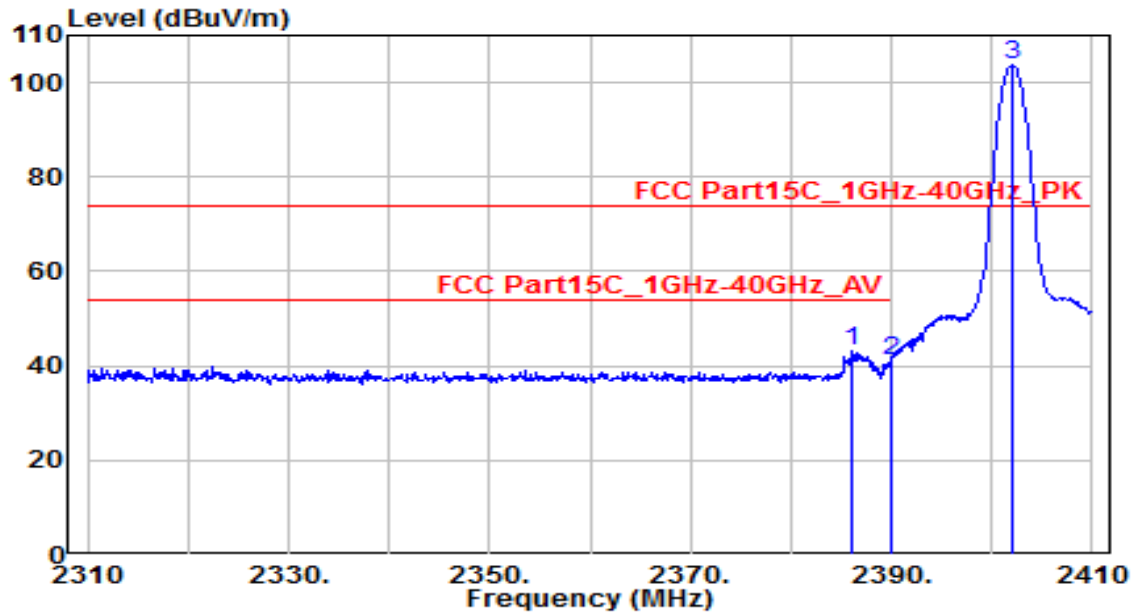


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.850	99.62	-2.31	97.31	N/A	N/A	105	100	Peak
2	* 2483.500	52.21	-2.29	49.91	-24.09	74.00	105	100	Peak
3	2485.875	50.19	-2.28	47.91	-26.09	74.00	105	100	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_3DH5_CH 0	Test Voltage	AC 120V/60Hz

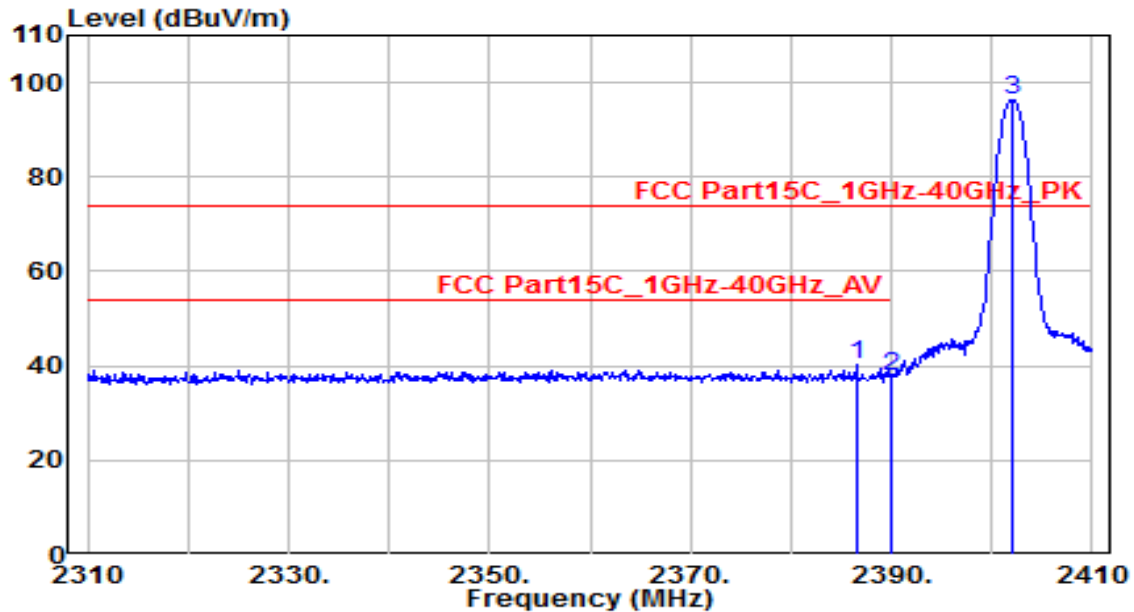


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2386.100	45.81	-2.72	43.09	-30.91	74.00	100	55	Peak
2		2390.000	43.93	-2.70	41.23	-32.77	74.00	100	55	Peak
3		2402.100	106.36	-2.65	103.71	N/A	N/A	100	55	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_3DH5_CH 0	Test Voltage	AC 120V/60Hz

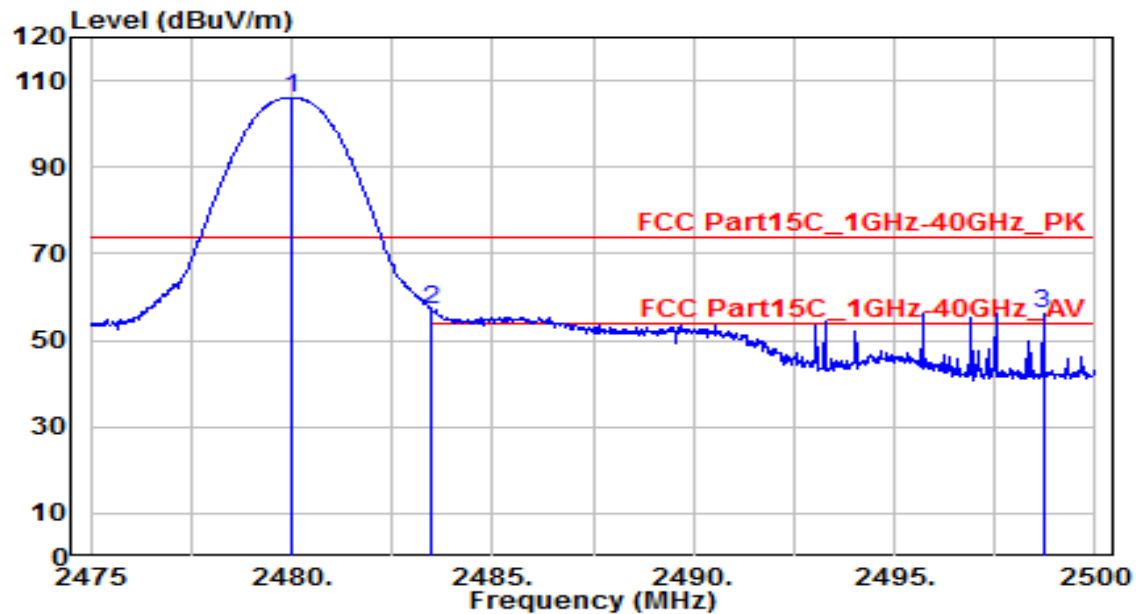


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2386.600	43.19	-2.72	40.47	-33.53	74.00	150	75	Peak
2		2390.000	40.51	-2.70	37.81	-36.19	74.00	150	75	Peak
3		2402.100	99.03	-2.65	96.38	N/A	N/A	150	75	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_3DH5_CH 78	Test Voltage	AC 120V/60Hz

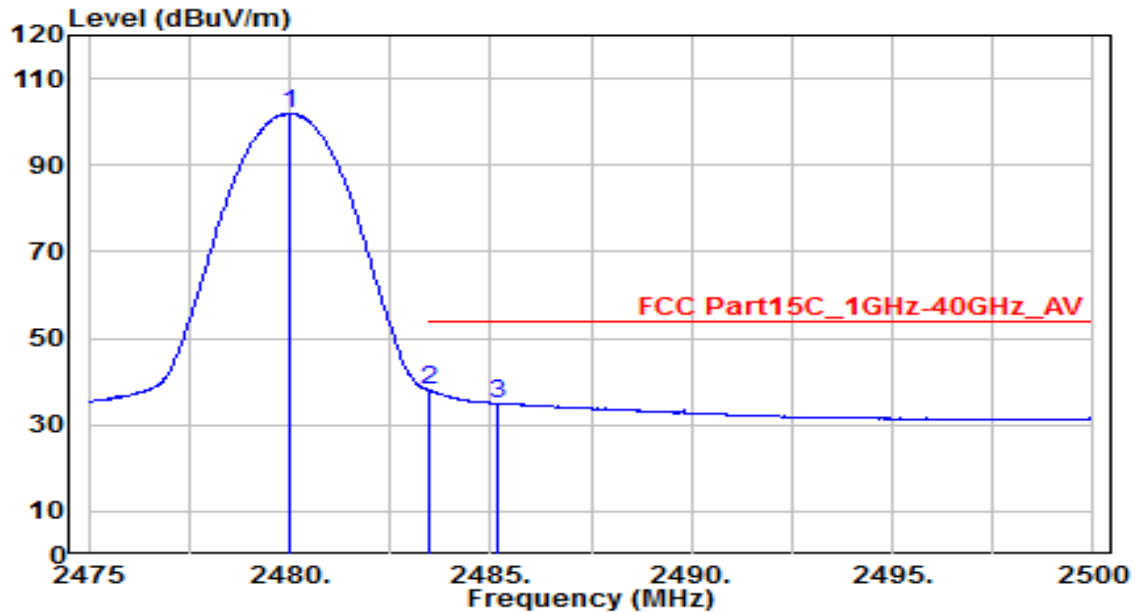


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.975	108.38	-2.31	106.07	N/A	N/A	100	55	Peak
2	* 2483.500	59.55	-2.29	57.25	-16.75	74.00	100	55	Peak
3	2498.700	58.44	-2.23	56.22	-17.78	74.00	100	55	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_3DH5_CH 78	Test Voltage	AC 120V/60Hz

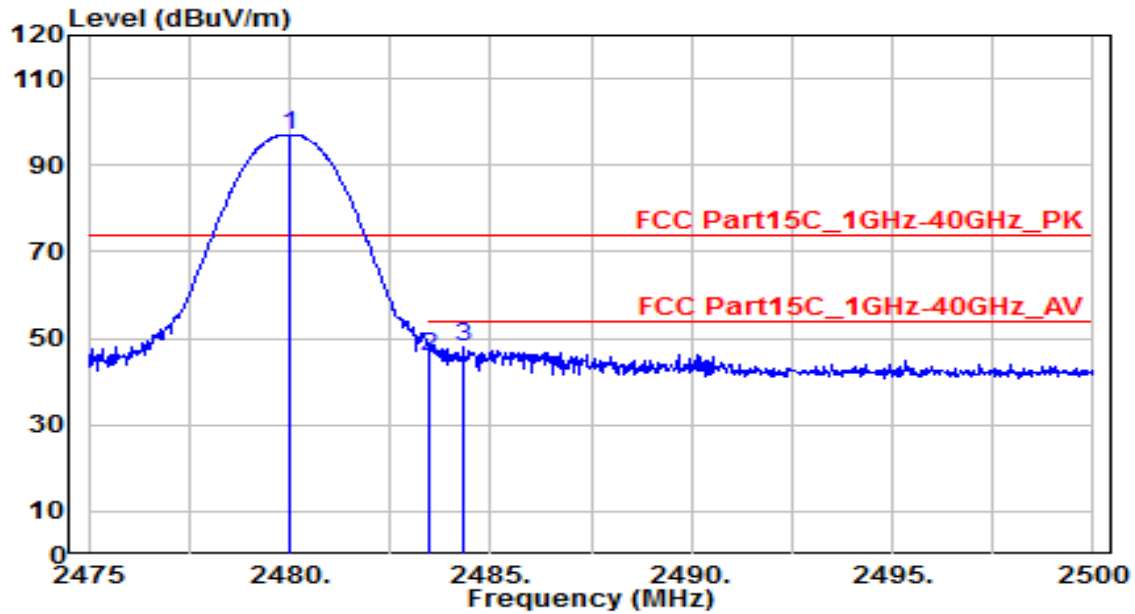


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2480.025	104.26	-2.31	101.95	N/A	N/A	100	55	Average
2	* 2483.500	40.20	-2.29	37.91	-16.09	54.00	100	55	Average
3	2485.200	37.26	-2.29	34.98	-19.02	54.00	100	55	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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	Handheld Data Terminal	Date of Test	2021-01-30
Factor	BBHA 9120D	Temp. / Humidity	22°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	BT_TX_3DH5_CH 78	Test Voltage	AC 120V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.975	99.43	-2.31	97.12	N/A	N/A	105	100	Peak
2	2483.500	48.01	-2.29	45.72	-28.28	74.00	105	100	Peak
3	* 2484.325	50.20	-2.29	47.91	-26.09	74.00	105	100	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ 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.

7.10. AC Conducted Emissions Measurement

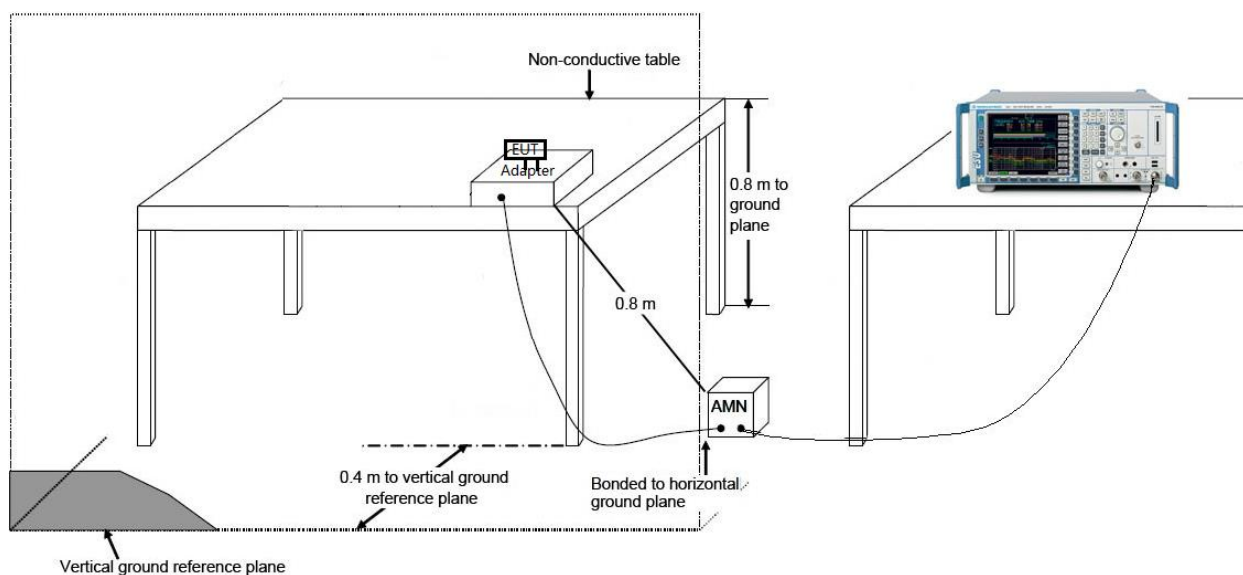
7.10.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Limits		
Frequency (MHz)	QP (dB μ V)	Average (dB μ 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.

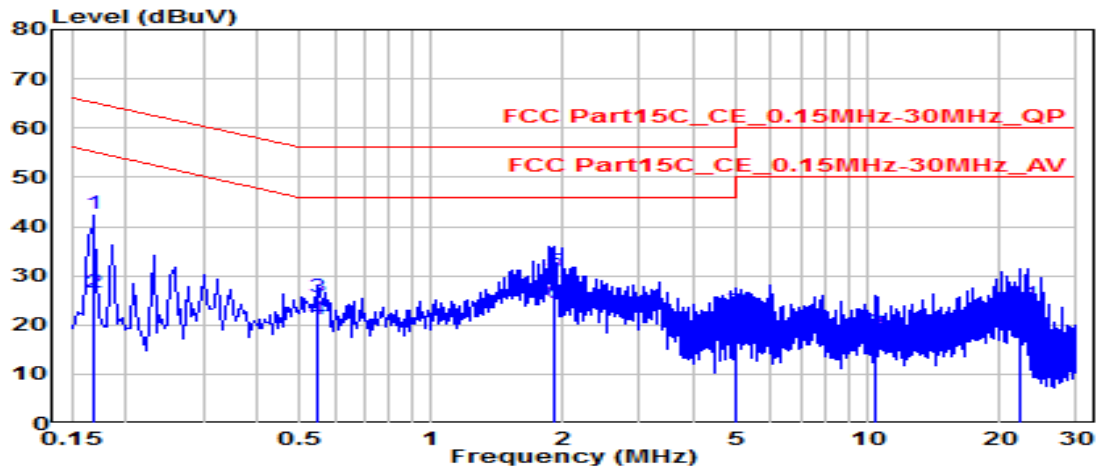
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.10.2. Test Setup



7.10.3. Test Result

EUT	Handheld Data Terminal	Date of Test	2021-01-25
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	23.5°C /67%
Polarity	Line1	Site / Test Engineer	SR2 / Tim
Test Mode	BT_TX_DH5_CH39	Test Voltage	AC 120V/60Hz

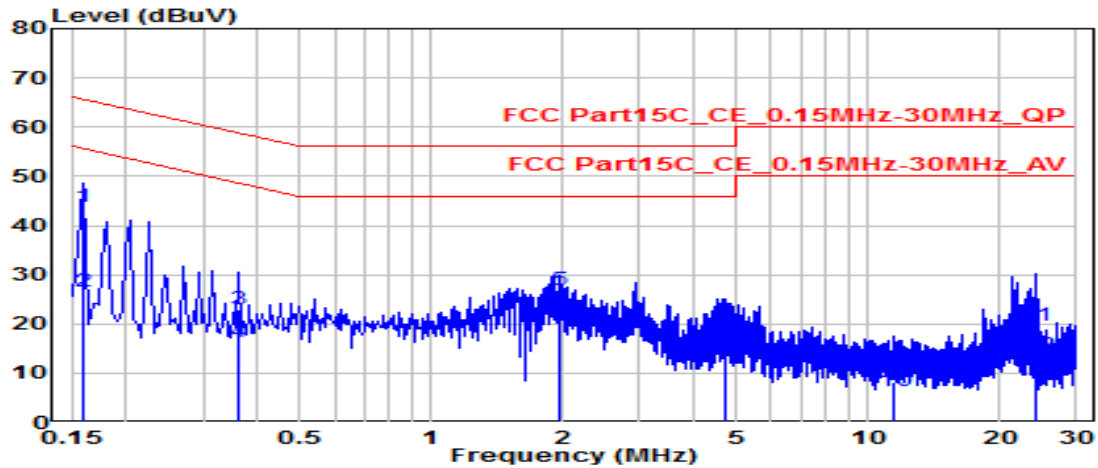


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	0.168	32.85	9.61	42.46	-22.60	65.06	QP
2	0.168	16.86	9.61	26.47	-28.59	55.06	Average
3	0.550	16.00	9.63	25.63	-30.37	56.00	QP
4	0.550	11.52	9.63	21.16	-24.84	46.00	Average
5	* 1.900	21.22	9.69	30.91	-25.09	56.00	QP
6	* 1.900	14.67	9.69	24.35	-21.65	46.00	Average
7	5.010	12.92	9.74	22.66	-37.34	60.00	QP
8	5.010	7.51	9.74	17.25	-32.75	50.00	Average
9	10.463	8.54	9.88	18.42	-41.58	60.00	QP
10	10.463	4.57	9.88	14.46	-35.54	50.00	Average
11	22.355	14.24	10.01	24.26	-35.74	60.00	QP
12	22.355	10.13	10.01	20.15	-29.85	50.00	Average

Note:

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

EUT	Handheld Data Terminal	Date of Test	2021-01-25
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	23.5°C / 67%
Polarity	Neutral	Site / Test Engineer	SR2 / Tim
Test Mode	BT_TX_DH5_CH39	Test Voltage	AC 120V/60Hz

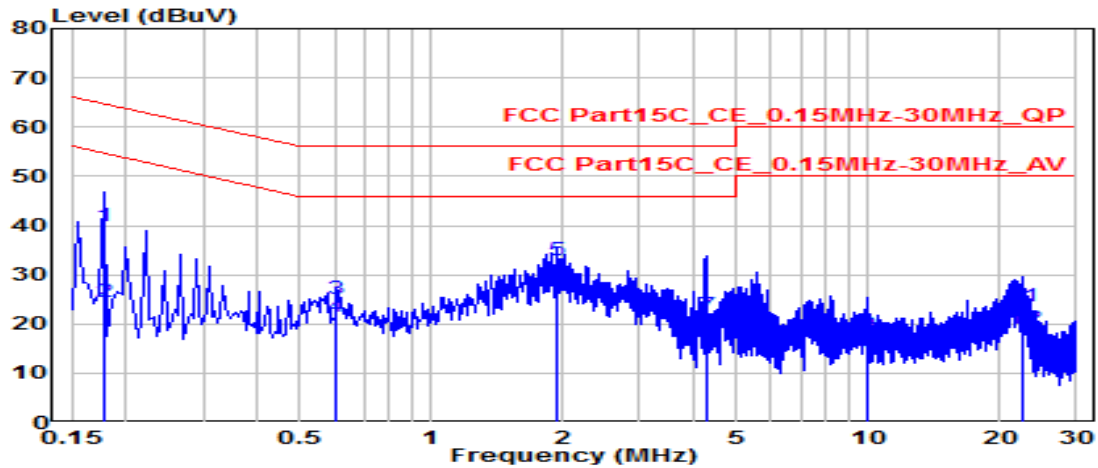


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.159	34.10	9.62	43.72	-21.80	65.52	QP
2	*	0.159	16.85	9.62	26.47	-29.04	55.52	Average
3		0.361	13.18	9.63	22.82	-35.88	58.69	QP
4		0.361	6.55	9.63	16.18	-32.51	48.69	Average
5		1.963	17.18	9.69	26.87	-29.13	56.00	QP
6		1.963	10.42	9.69	20.11	-25.89	46.00	Average
7		4.731	9.73	9.74	19.47	-36.53	56.00	QP
8		4.731	2.63	9.74	12.37	-33.63	46.00	Average
9		11.412	-1.79	9.91	8.13	-51.87	60.00	QP
10		11.412	-3.42	9.91	6.49	-43.51	50.00	Average
11		24.187	9.60	10.13	19.72	-40.28	60.00	QP
12		24.187	3.46	10.13	13.59	-36.41	50.00	Average

Note:

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

EUT	Handheld Data Terminal	Date of Test	2021-01-25
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	23.5°C / 67%
Polarity	Line1	Site / Test Engineer	SR2 / Tim
Test Mode	BT_TX_DH5_CH39	Test Voltage	AC 240V/60Hz

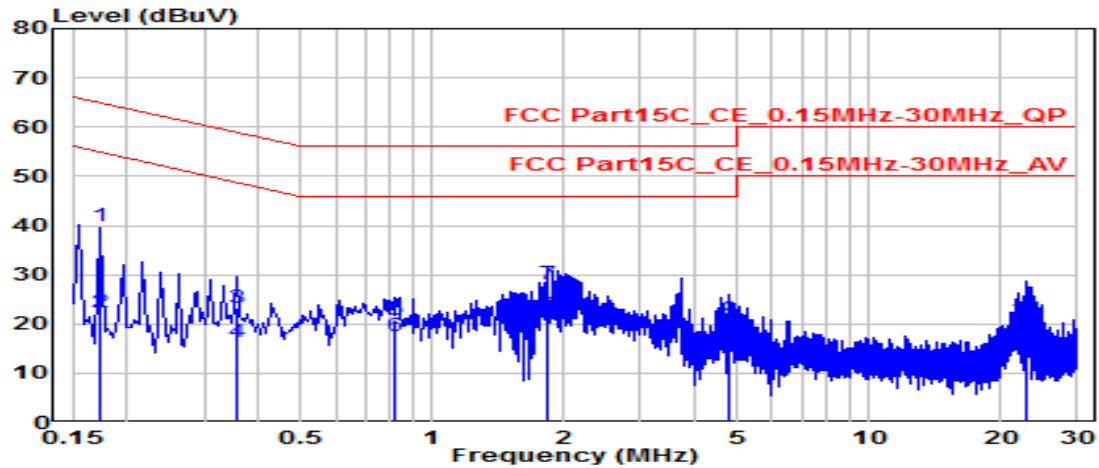


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	0.177	30.25	9.61	39.86	-24.77	64.63	QP
2	0.177	14.94	9.61	24.55	-30.08	54.63	Average
3	0.604	15.56	9.64	25.20	-30.80	56.00	QP
4	0.604	11.74	9.64	21.37	-24.63	46.00	Average
5	* 1.941	23.17	9.69	32.86	-23.14	56.00	QP
6	* 1.941	17.29	9.69	26.98	-19.02	46.00	Average
7	4.254	12.09	9.73	21.81	-34.19	56.00	QP
8	4.254	6.86	9.73	16.59	-29.41	46.00	Average
9	9.973	7.88	9.88	17.75	-42.25	60.00	QP
10	9.973	4.36	9.88	14.24	-35.76	50.00	Average
11	22.643	13.47	10.02	23.48	-36.52	60.00	QP
12	22.643	9.06	10.02	19.07	-30.93	50.00	Average

Note:

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

EUT	Handheld Data Terminal	Date of Test	2021-01-25
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	23.5°C / 67%
Polarity	Neutral	Site / Test Engineer	SR2 / Tim
Test Mode	BT_TX_DH5_CH39	Test Voltage	AC 240V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	0.172	30.24	9.62	39.86	-24.98	64.84	QP
2	0.172	12.64	9.62	22.26	-32.58	54.84	Average
3	0.357	13.56	9.63	23.19	-35.61	58.80	QP
4	0.357	6.70	9.63	16.34	-32.46	48.80	Average
5	0.816	11.04	9.66	20.70	-35.30	56.00	QP
6	0.816	7.72	9.66	17.38	-28.62	46.00	Average
7	* 1.842	18.50	9.69	28.18	-27.82	56.00	QP
8	* 1.842	12.10	9.69	21.78	-24.22	46.00	Average
9	4.758	11.12	9.75	20.86	-35.14	56.00	QP
10	4.758	3.38	9.75	13.13	-32.87	46.00	Average
11	22.918	10.80	10.11	20.91	-39.09	60.00	QP
12	22.918	2.98	10.11	13.09	-36.91	50.00	Average

Note:

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

8. CONCLUSION

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

_____ The End _____