

6.5.3 Test data

Pass: Please refer to appendix A for details

BlueAsia

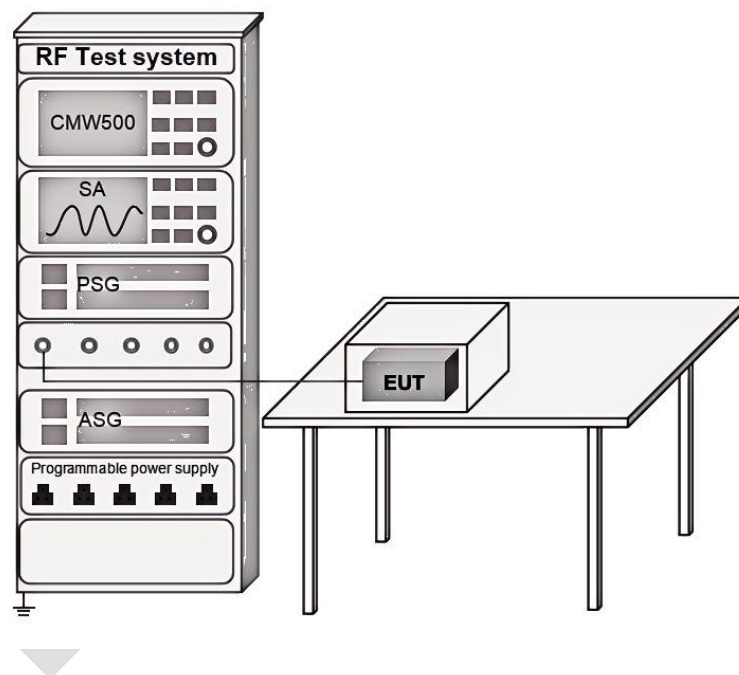
6.6 Carrier Frequencies Separation

Test Standard	47 CFR Part 15, Subpart C 15.247 (a)(1)
Test Method	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.6.1 Limit

2/3 of the 20dB bandwidth base on the transmission power is less than 0.125W

6.6.2 Test setup



6.6.3 Test data

Pass: Please refer to appendix A for details

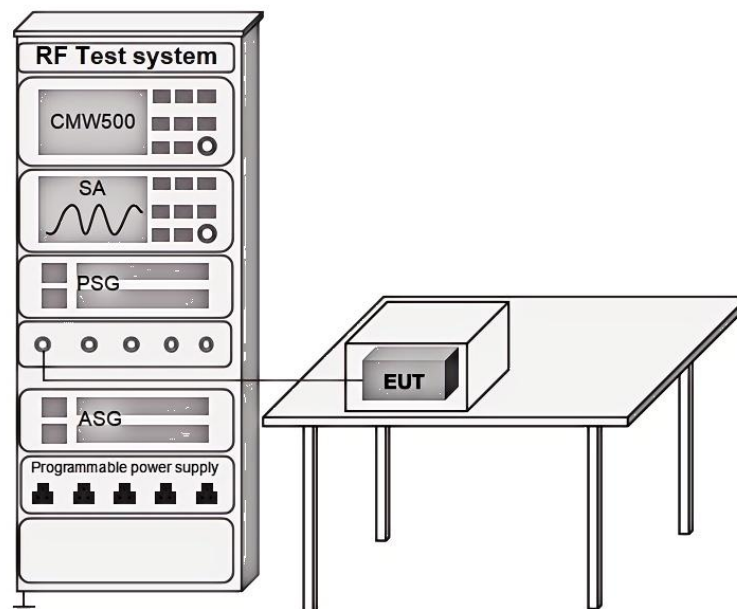
6.7 Hopping Channel Number

Test Standard	47 CFR Part 15, Subpart C 15.247 (a)(1) (iii)
Test Method	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.3
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.7.1 Limit

Frequency range(MHz)	Number of hopping channels (minimum)
902-928	50 for 20dB bandwidth <250kHz
	25 for 20dB bandwidth ≥250kHz
2400-2483.5	15
5725-5850	75

6.7.2 Test setup



6.7.3 Test data

Pass: Please refer to appendix A for details

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Version:v1.2

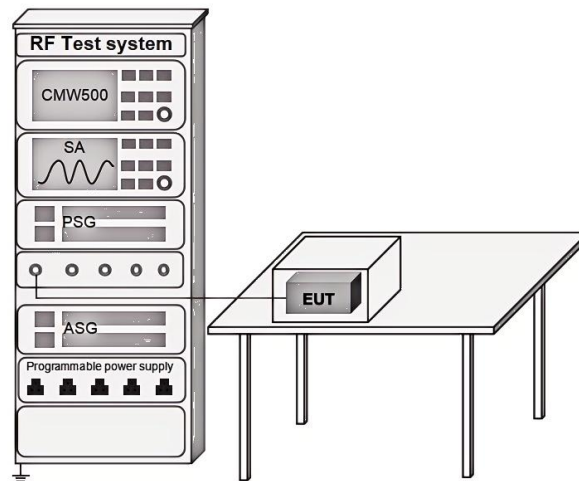
6.8 Dwell Time

Test Standard	47 CFR Part 15, Subpart C 15.247(a)(1) (iii)
Test Method	ANSI C63.10-2020+Cor.1-2023 Clause 7.8.4
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.8.1 Limit

Frequency(MHz)	Limit
902-928	0.4s within a 20s period(20dB bandwidth<250kHz)
	0.4s within a 10s period(20dB bandwidth≥250kHz)
2400-2483.5	0.4s within a period of 0.4s multiplied by the number of hopping channels
5725-5850	0.4s within a 30s period

6.8.2 Test setup



6.8.3 Test data

Pass: Please refer to appendix A for details

6.9 Radiated spurious emissions

Test Standard	47 CFR Part 15, Subpart C 15.247(d) 47 CFR Part 15, Subpart C 15.209
Test Method	ANSI C63.10-2020+Cor.1-2023 Clause 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

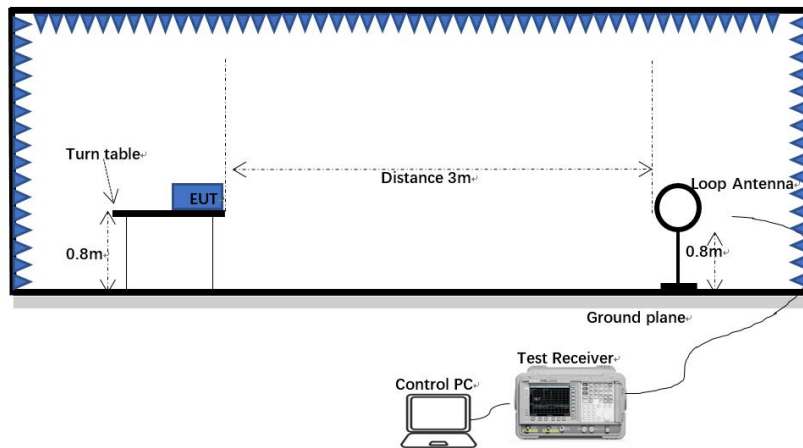
6.9.1 Limit

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

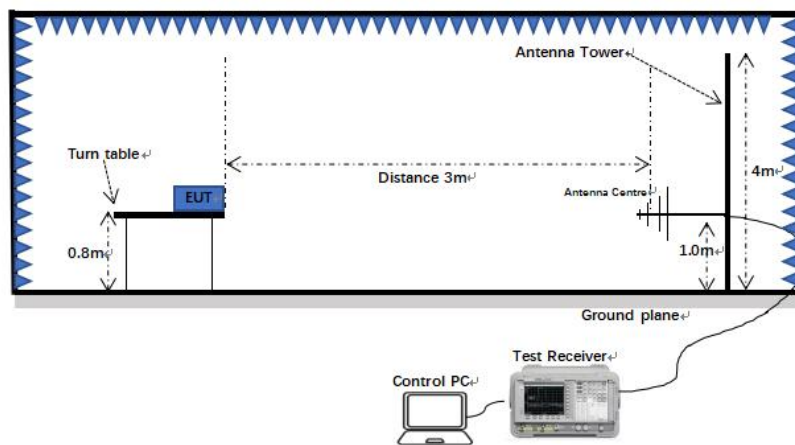
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

6.9.2 Test setup

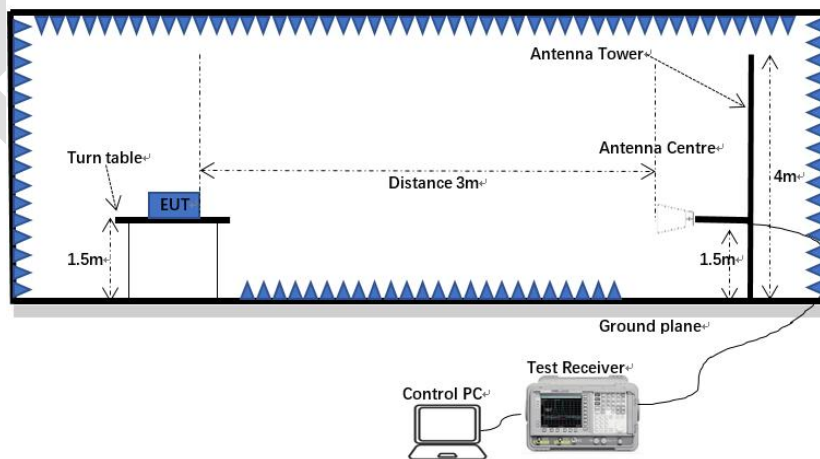
Below 1GHz:



30MHz-1GHz:



Above 1GHz:



6.9.3 Procedure

- a) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

Note 1: Scan from 9 kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Note 3: The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

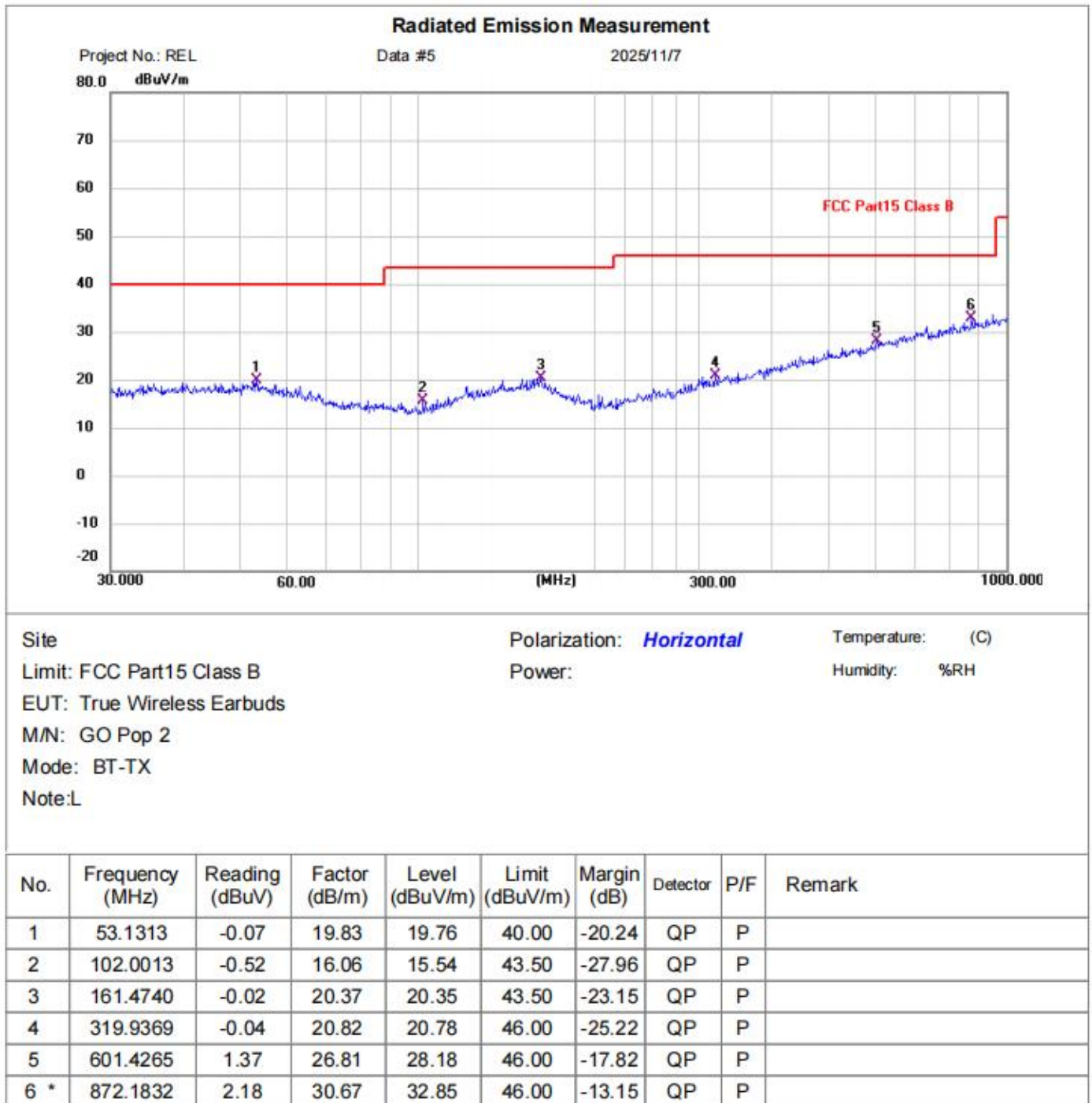
$$\text{Level (dBuV)} = \text{Reading (dBuV)} + \text{Factor (dB/m)}$$

6.9.4 Test data

Below 1GHz

Left:

[Test mode: TX low channel]; [Polarity: Horizontal]



Test Result: Pass

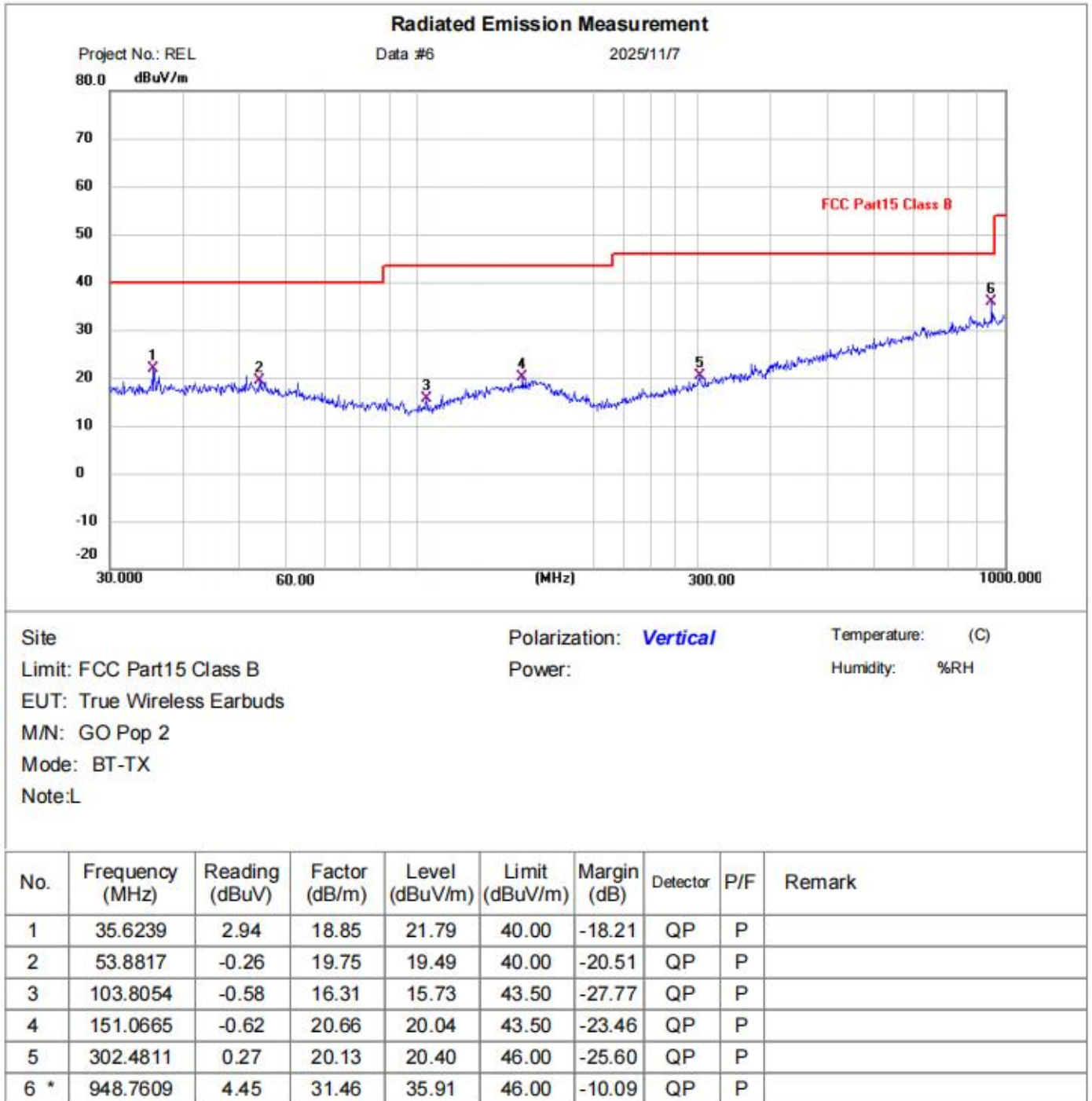
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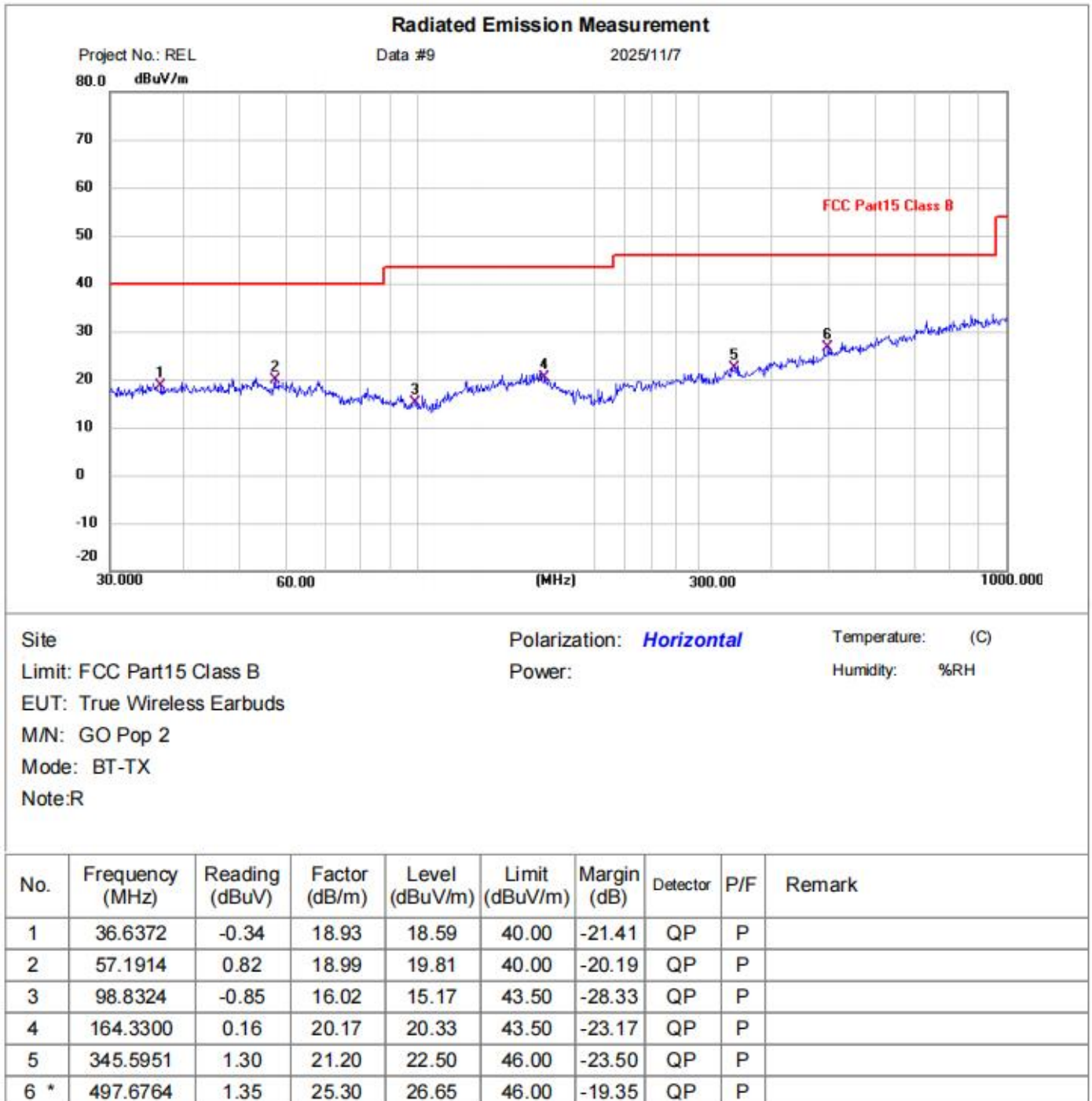
Version:v1.2

[Test mode: TX low channel]; [Polarity: Vertical]


Test Result: Pass

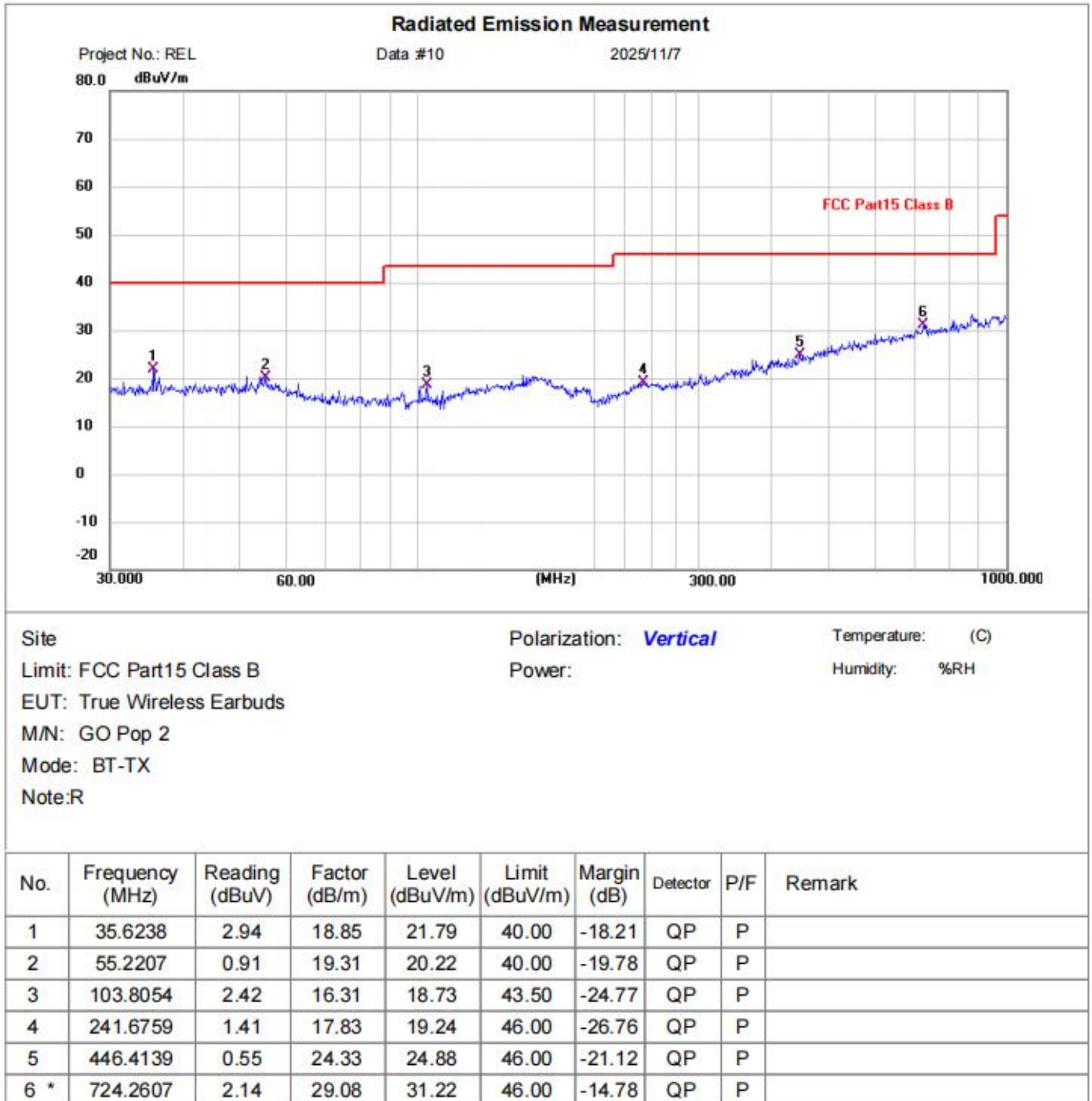
Right:

[Test mode: TX low channel]; [Polarity: Horizontal]



Test Result: Pass

[Test mode: TX low channel]; [Polarity: Vertical]



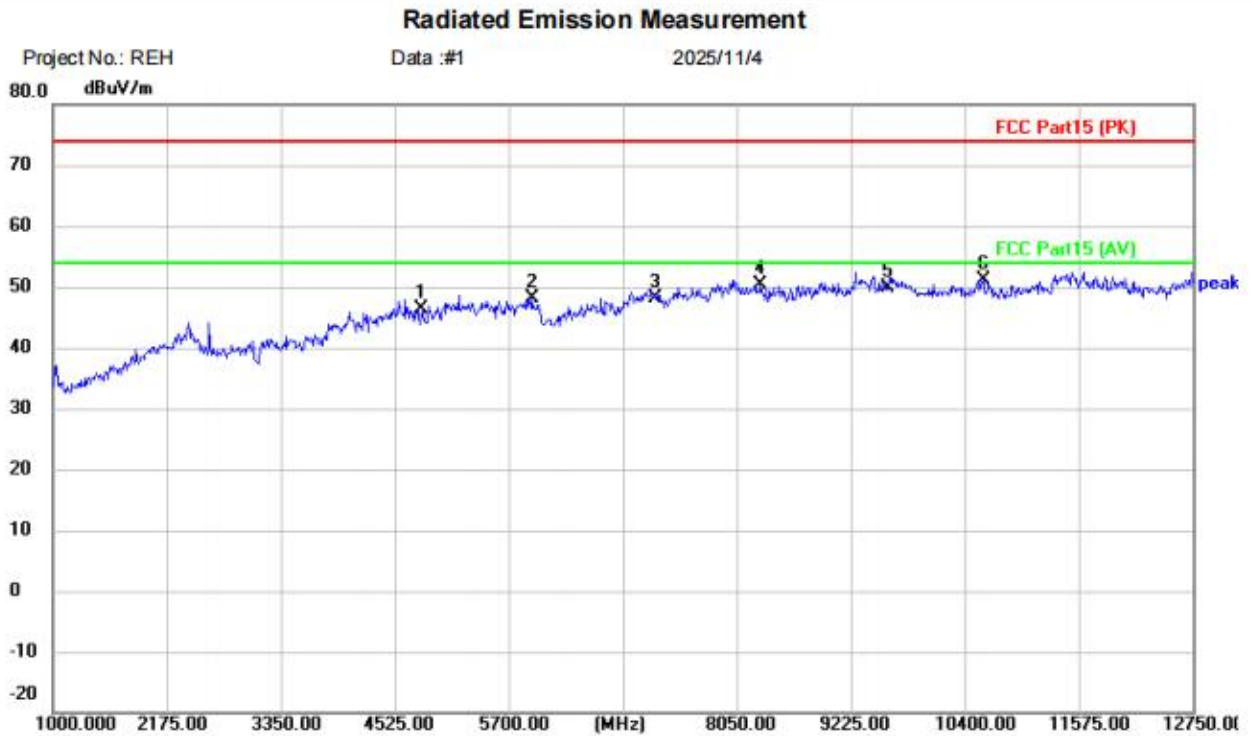
Test Result: Pass

DH1,DH3, DH5 all have been tested, during the test, GFSK, pi/4DQPSK, 8DPSK,modulation were all pre-scanned Only the (3DH1/8DPSK) of the worst mode would be recorded in this report.

Above 1GHz:

Left:

[Test mode: TX low channel]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

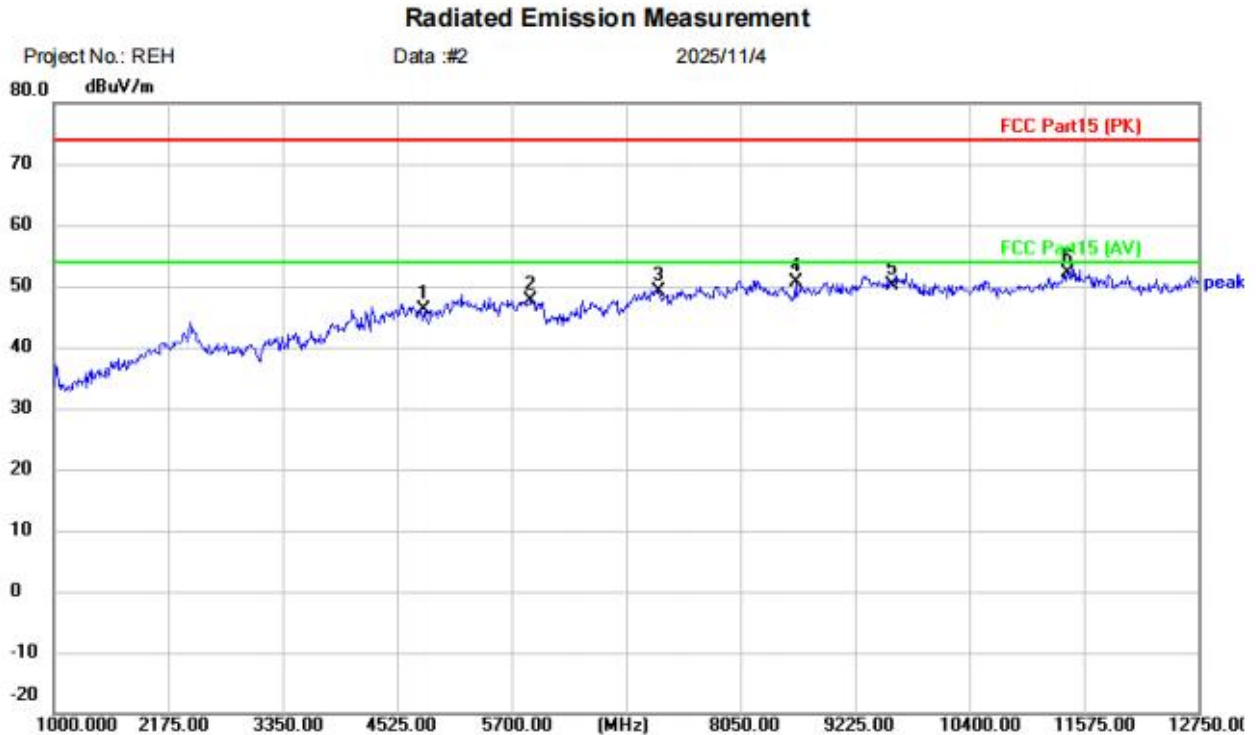
Mode: BT-TX-2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4804.000	40.14	6.31	46.45	74.00	-27.55	peak	
2		5935.000	39.10	9.06	48.16	74.00	-25.84	peak	
3		7206.000	37.73	10.39	48.12	74.00	-25.88	peak	
4		8296.750	39.49	11.00	50.49	74.00	-23.51	peak	
5		9608.000	36.96	13.01	49.97	74.00	-24.03	peak	
6	*	10588.00	37.59	13.61	51.20	74.00	-22.80	peak	

Test Result: Pass

[Test mode: TX low channel]; [Polarity: Vertical]



Site: Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

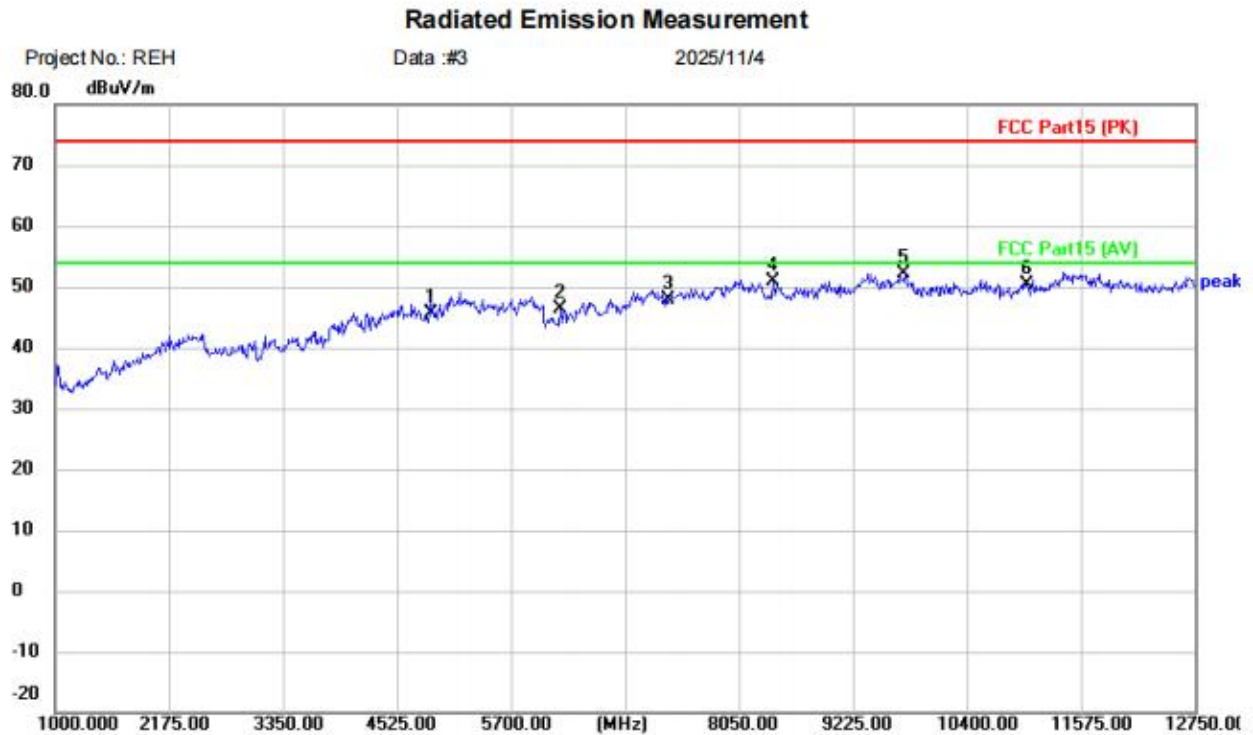
Mode: BT-TX-2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4802.000	39.74	6.32	46.06	74.00	-27.94	peak	
2		5899.750	38.48	9.10	47.58	74.00	-26.42	peak	
3		7206.000	38.66	10.39	49.05	74.00	-24.95	peak	
4		8614.000	39.23	11.50	50.73	74.00	-23.27	peak	
5		9608.000	37.00	13.01	50.01	74.00	-23.99	peak	
6	*	11410.50	37.87	14.33	52.20	74.00	-21.80	peak	

Test Result: Pass

[Test mode: TX middle channel]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

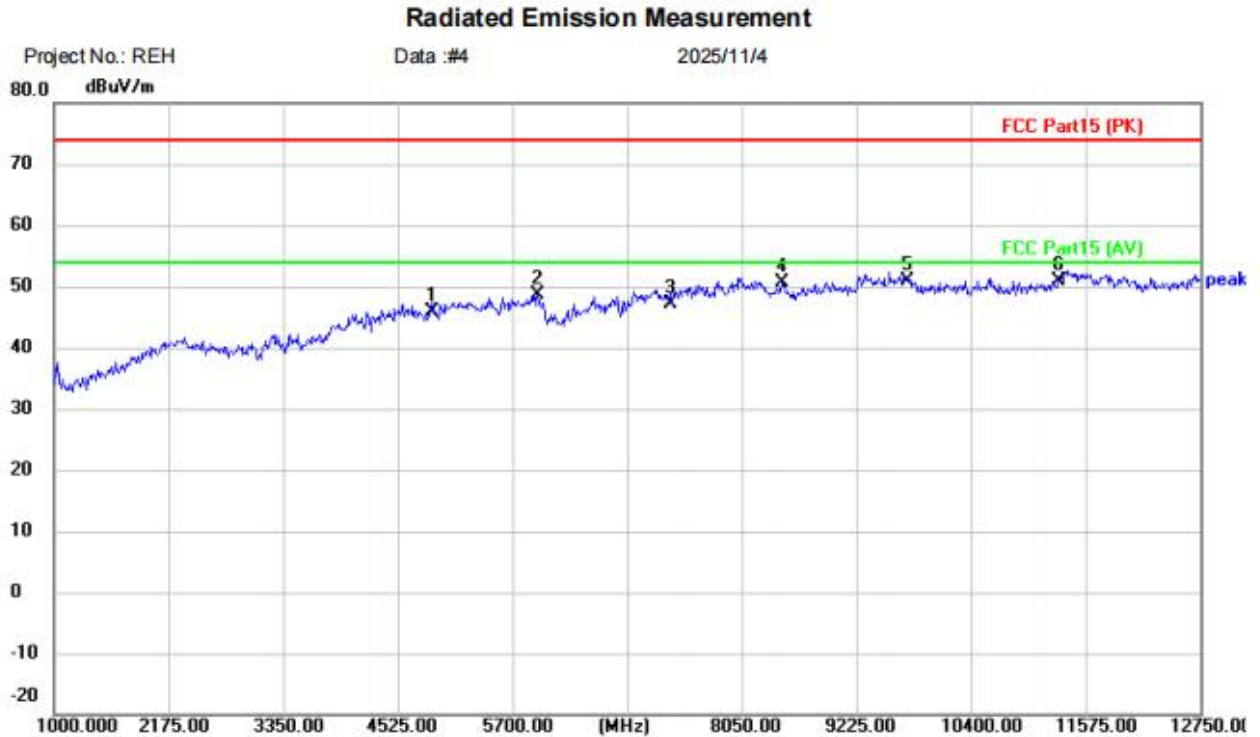
Mode: BT-TX-2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	39.18	6.43	45.61	74.00	-28.39	peak	
2		6205.250	39.55	6.81	46.36	74.00	-27.64	peak	
3		7323.000	37.67	10.17	47.84	74.00	-26.16	peak	
4		8402.500	39.73	11.12	50.85	74.00	-23.15	peak	
5	*	9764.000	38.41	13.76	52.17	74.00	-21.83	peak	
6		11011.00	37.49	13.00	50.49	74.00	-23.51	peak	

Test Result: Pass

[Test mode: TX middle channel]; [Polarity: Vertical]

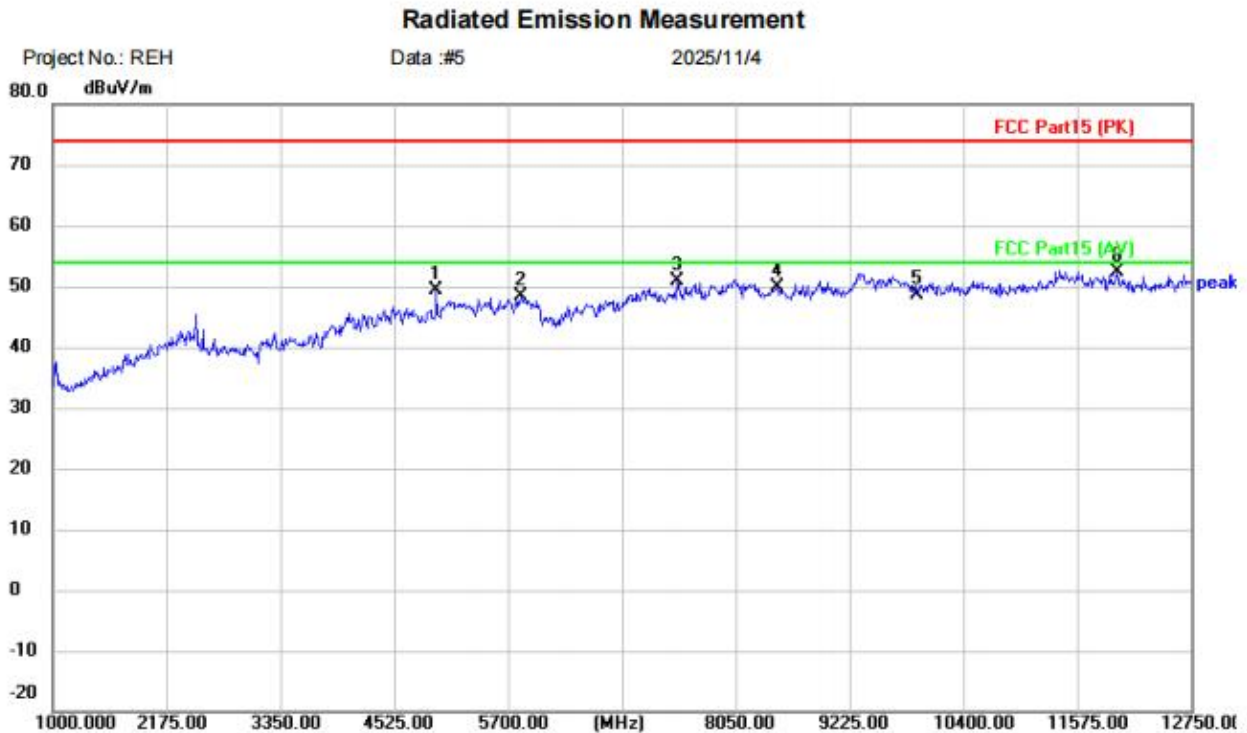


Site: Polarization: **Vertical** Temperature: (C)
 Limit: FCC Part15 (PK) Power: Humidity: %RH
 EUT: True Wireless Earbuds
 M/N: GO Pop 2
 Mode: BT-TX-2441
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4882.000	39.46	6.43	45.89	74.00	-28.11	peak	
2		5958.500	39.50	9.01	48.51	74.00	-25.49	peak	
3		7323.000	37.06	10.17	47.23	74.00	-26.77	peak	
4		8461.250	39.22	11.47	50.69	74.00	-23.31	peak	
5	*	9764.000	37.18	13.76	50.94	74.00	-23.06	peak	
6		11293.00	37.70	13.17	50.87	74.00	-23.13	peak	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

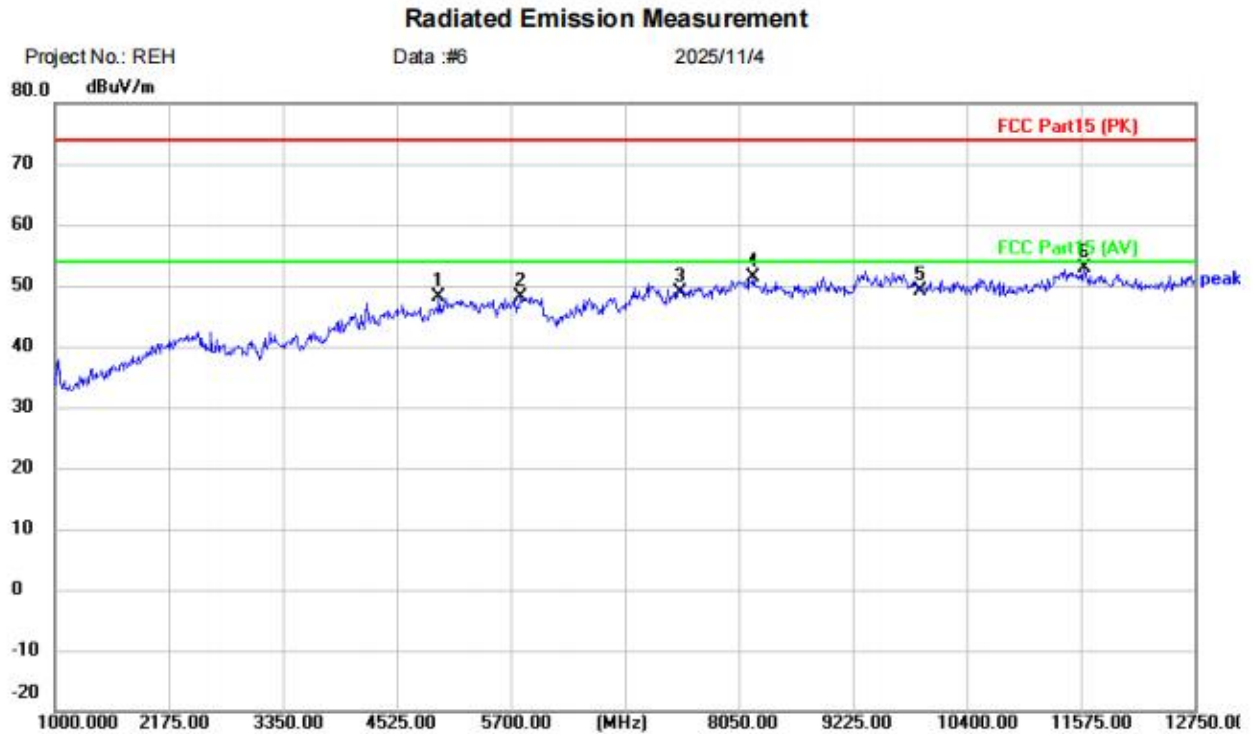
Mode: BT-TX-2480

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4959.750	41.86	7.41	49.27	74.00	-24.73	peak	
2		5829.250	39.57	8.93	48.50	74.00	-25.50	peak	
3		7439.000	39.81	11.01	50.82	74.00	-23.18	peak	
4		8484.750	38.38	11.43	49.81	74.00	-24.19	peak	
5		9920.000	35.51	13.16	48.67	74.00	-25.33	peak	
6	*	11986.25	38.11	14.18	52.29	74.00	-21.71	peak	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Vertical]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

Mode: BT-TX-2480

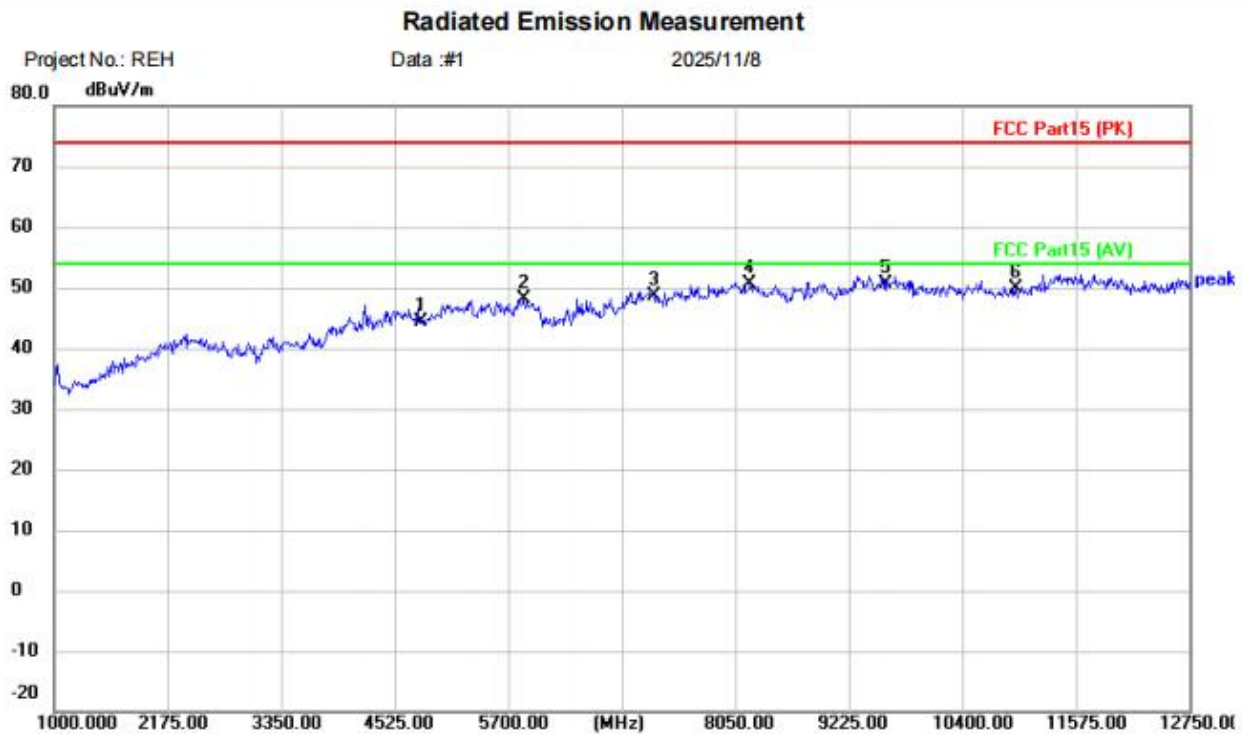
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4959.750	40.74	7.41	48.15	74.00	-25.85	peak	
2		5794.000	39.27	8.91	48.18	74.00	-25.82	peak	
3		7440.000	37.82	11.03	48.85	74.00	-25.15	peak	
4		8202.750	39.80	11.48	51.28	74.00	-22.72	peak	
5		9920.000	36.07	13.16	49.23	74.00	-24.77	peak	
6	*	11610.25	38.13	14.64	52.77	74.00	-21.23	peak	

Test Result: Pass

Right:

[Test mode: TX low channel]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

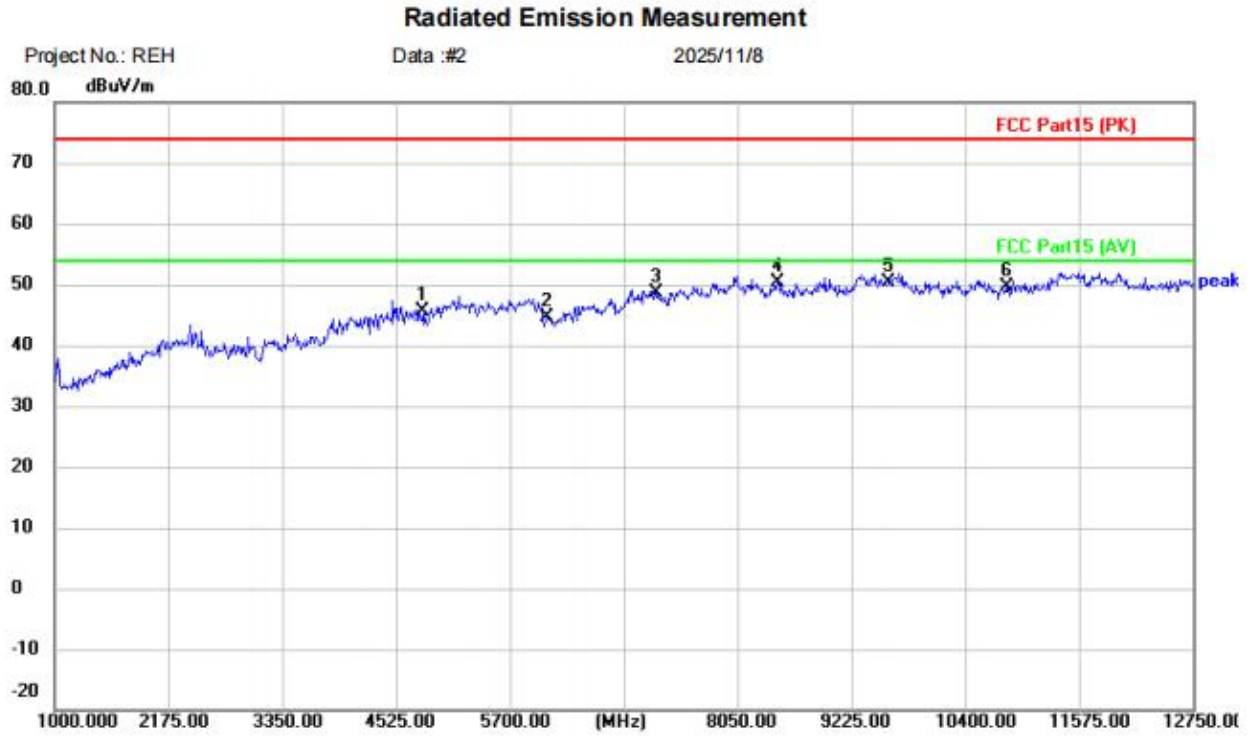
Mode: BT-TX-2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4804.000	38.13	6.31	44.44	74.00	-29.56	peak	
2		5864.500	39.12	8.93	48.05	74.00	-25.95	peak	
3		7206.000	38.16	10.39	48.55	74.00	-25.45	peak	
4	*	8202.750	39.25	11.48	50.73	74.00	-23.27	peak	
5		9608.000	37.56	13.01	50.57	74.00	-23.43	peak	
6		10952.25	36.69	13.09	49.78	74.00	-24.22	peak	

Test Result: Pass

[Test mode: TX low channel]; [Polarity: Vertical]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

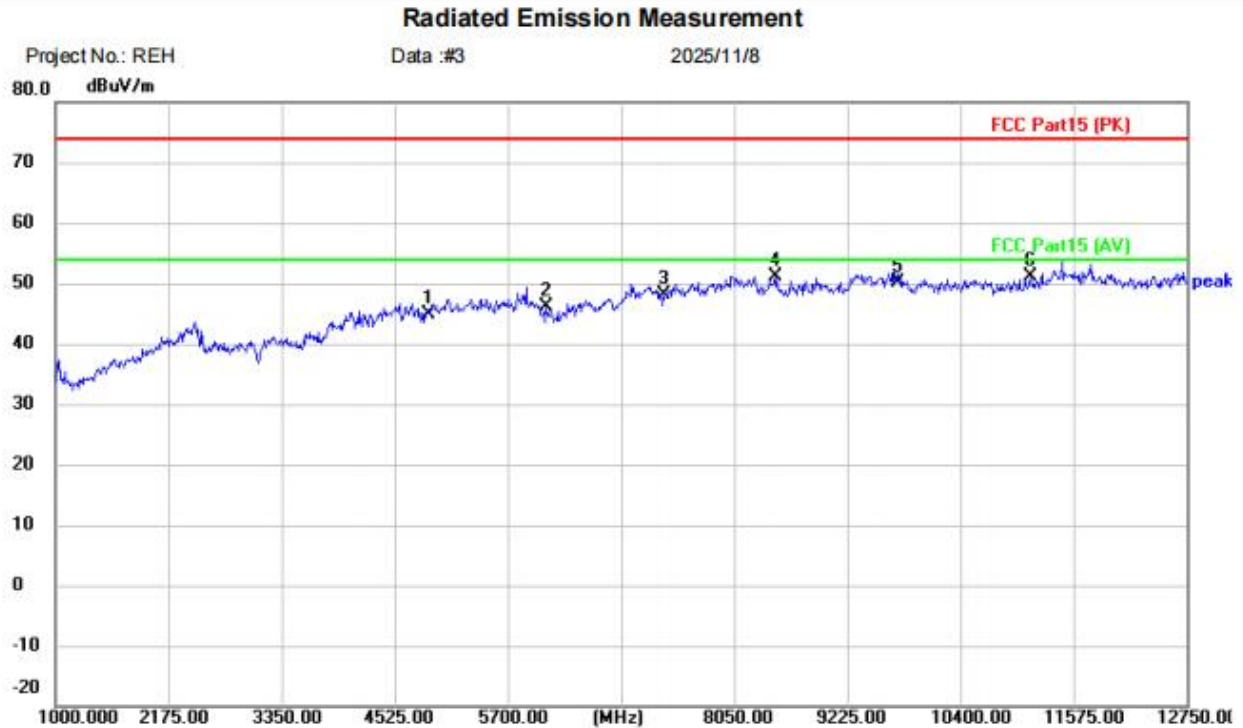
Mode: BT-TX-2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	39.21	6.31	45.52	74.00	-28.48	peak	
2		6087.750	38.10	6.43	44.53	74.00	-29.47	peak	
3		7206.000	38.23	10.39	48.62	74.00	-25.38	peak	
4	*	8461.250	38.93	11.47	50.40	74.00	-23.60	peak	
5		9608.000	37.26	13.01	50.27	74.00	-23.73	peak	
6		10823.00	36.62	13.04	49.66	74.00	-24.34	peak	

Test Result: Pass

[Test mode: TX middle channel]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: True Wireless Earbuds

M/N: GO Pop 2

Mode: BT-TX-2441

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4882.000	38.46	6.43	44.89	74.00	-29.11	peak	
2		6099.500	39.73	6.49	46.22	74.00	-27.78	peak	
3		7323.000	38.06	10.17	48.23	74.00	-25.77	peak	
4	*	8473.000	39.64	11.45	51.09	74.00	-22.91	peak	
5		9764.000	36.44	13.76	50.20	74.00	-23.80	peak	
6		11128.50	37.80	13.26	51.06	74.00	-22.94	peak	

Test Result: Pass