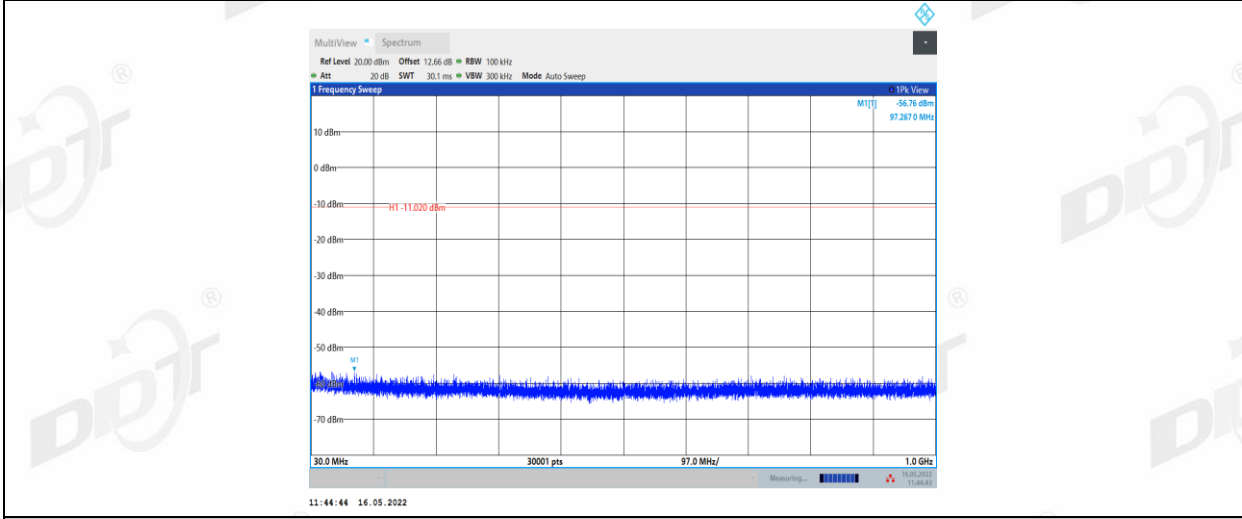
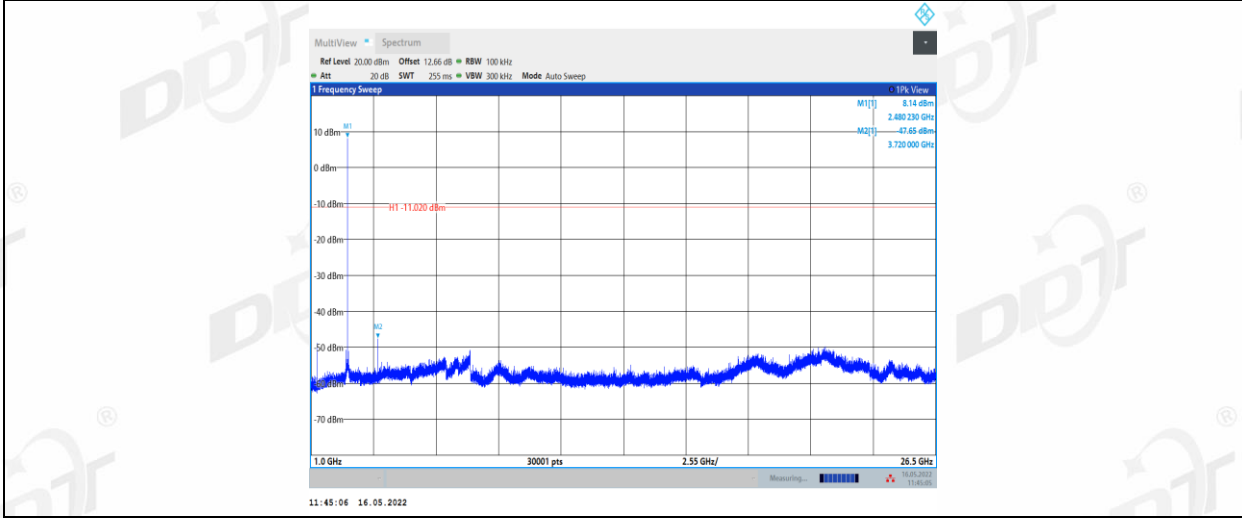


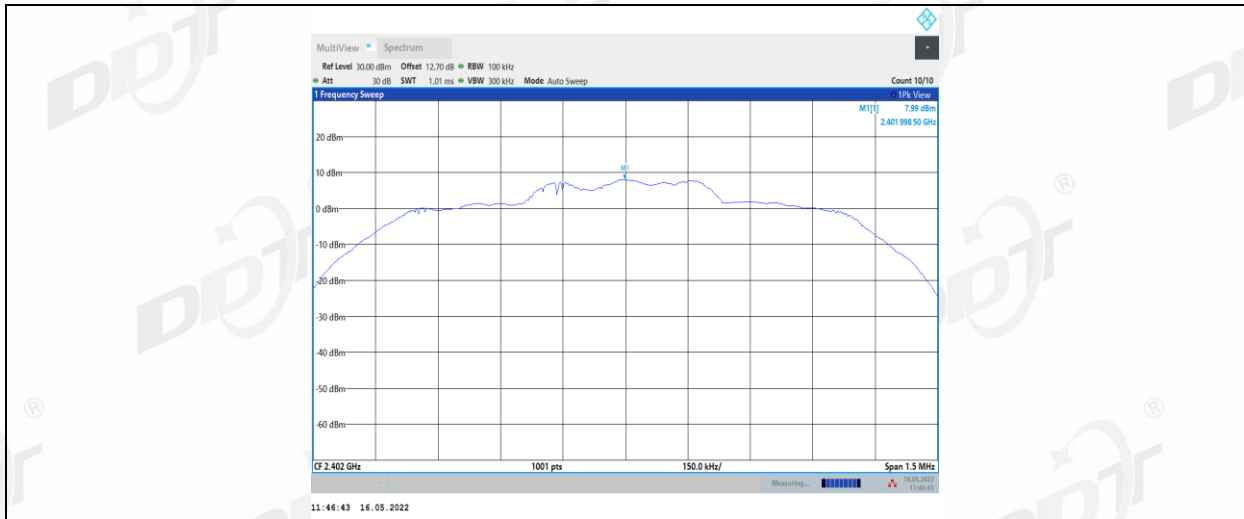
DH5_Ant1_2480_30~1000



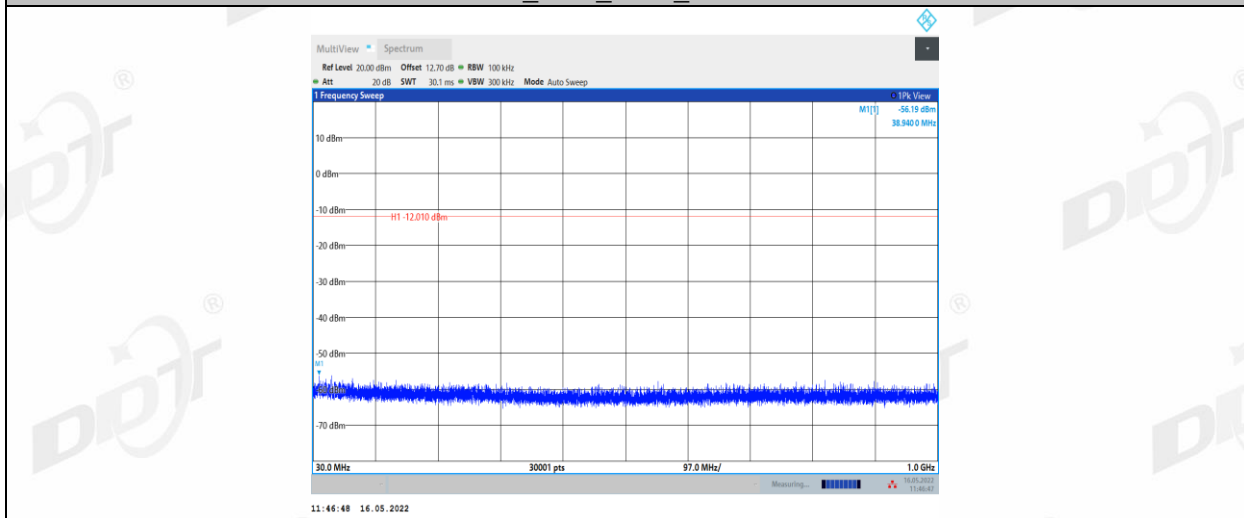
DH5_Ant1_2480_1000~26500



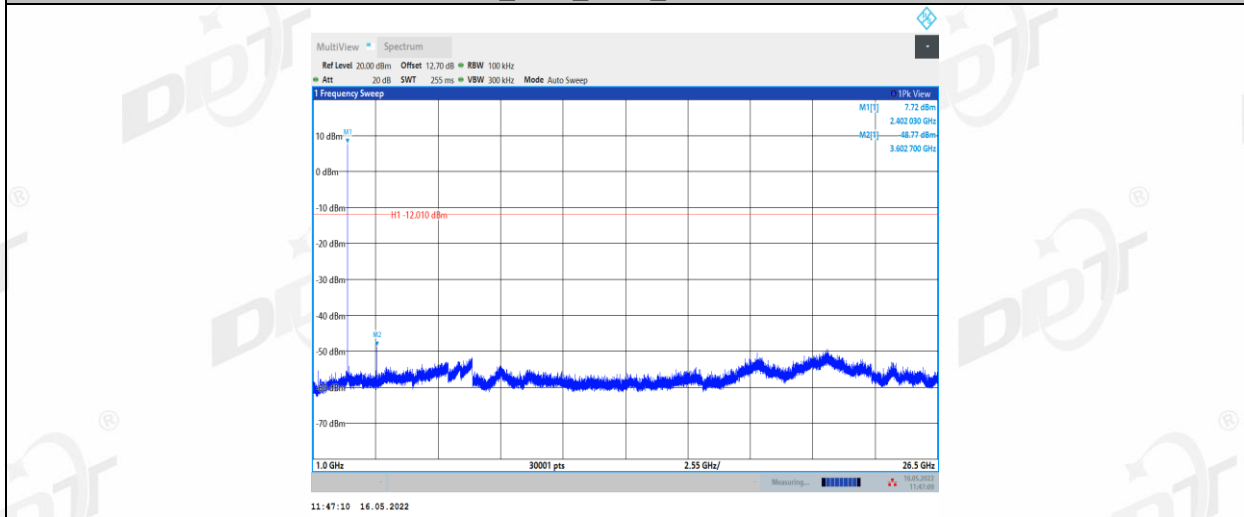
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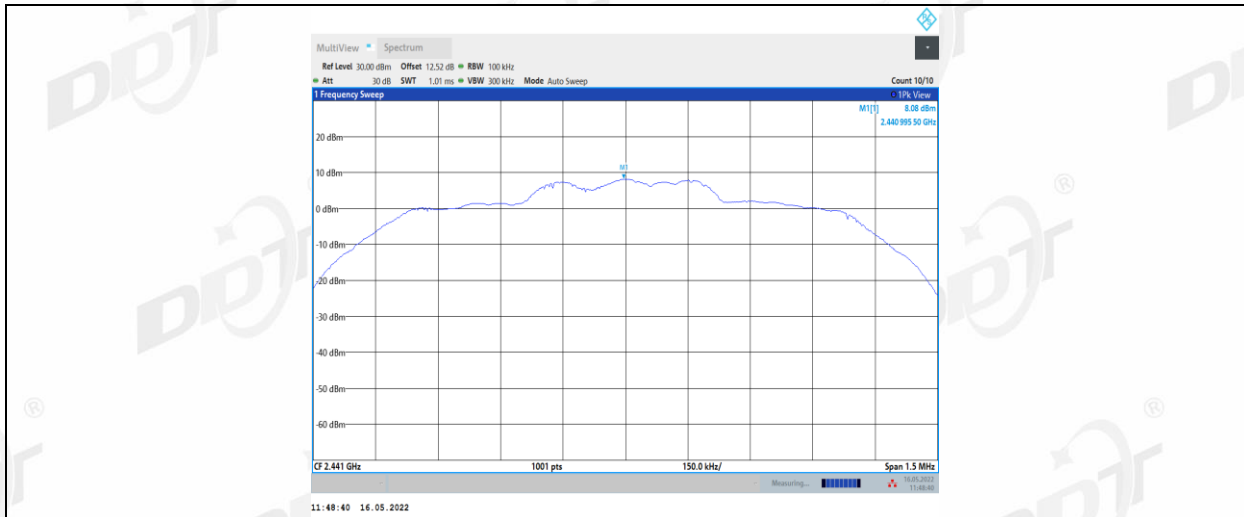
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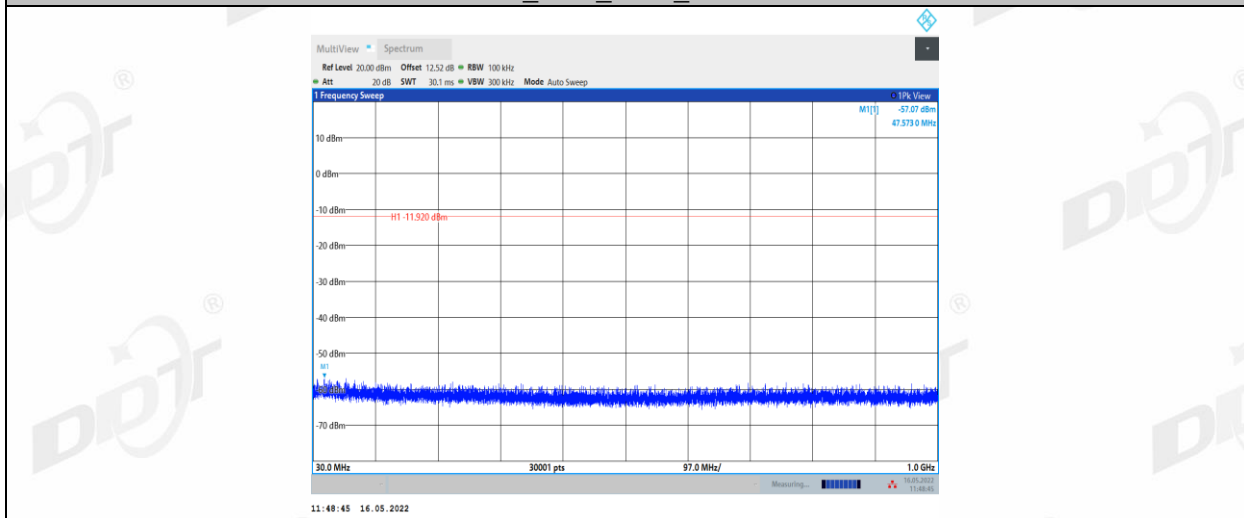
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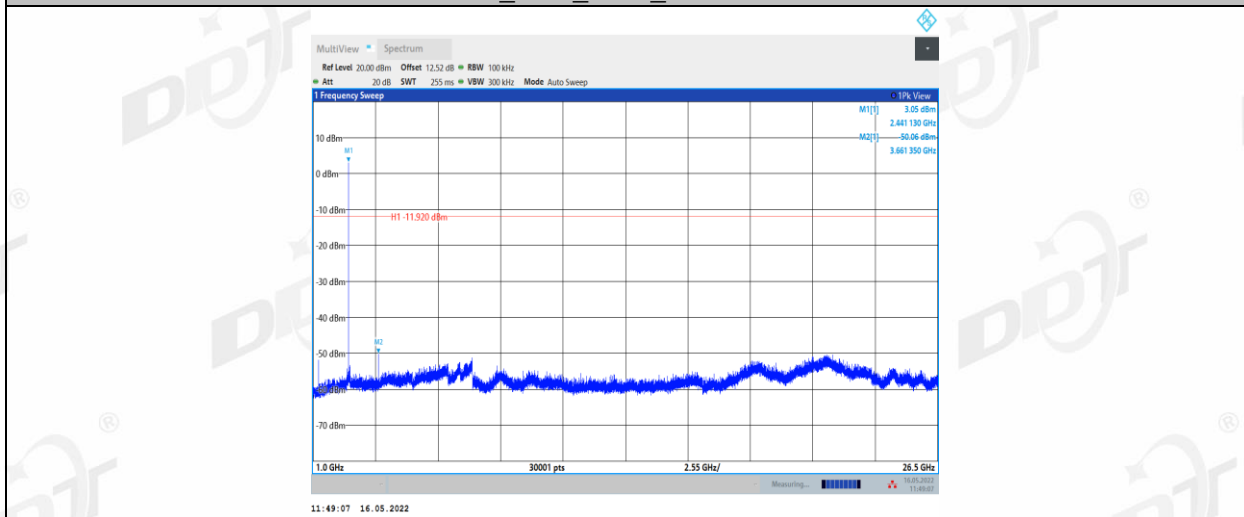
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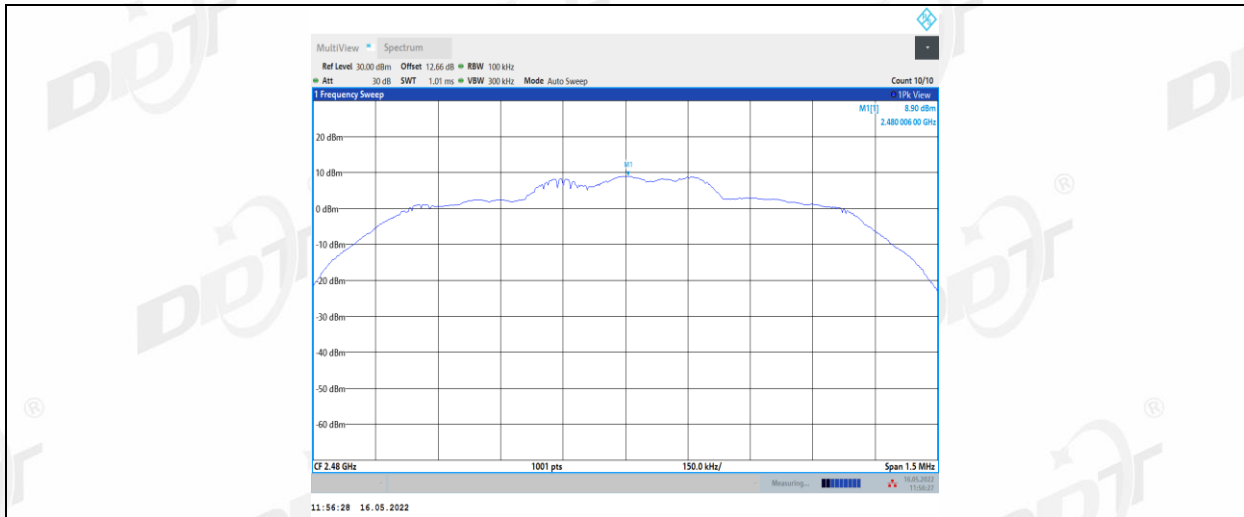
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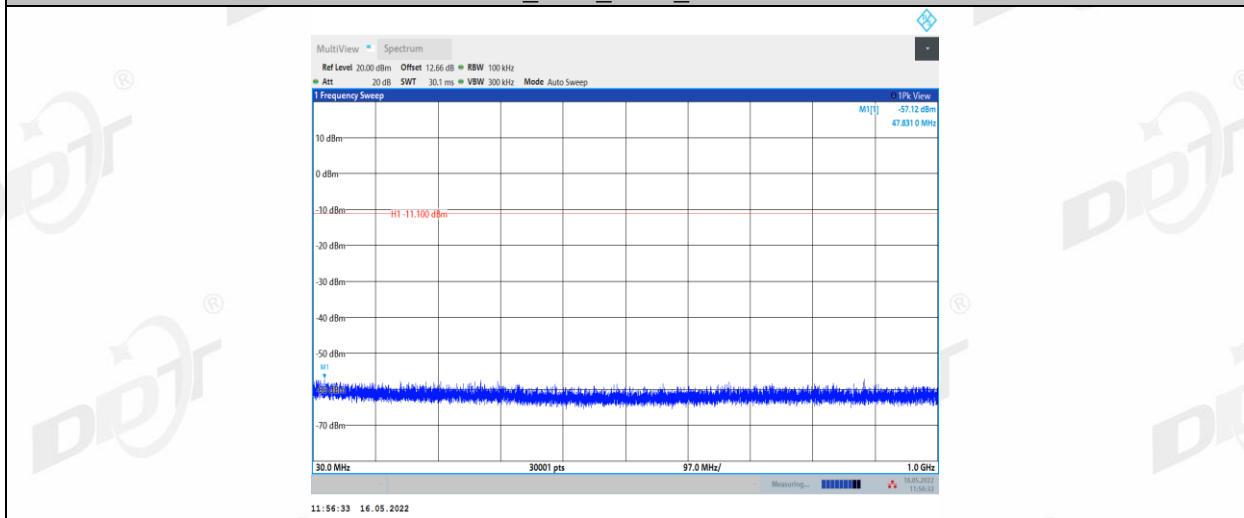
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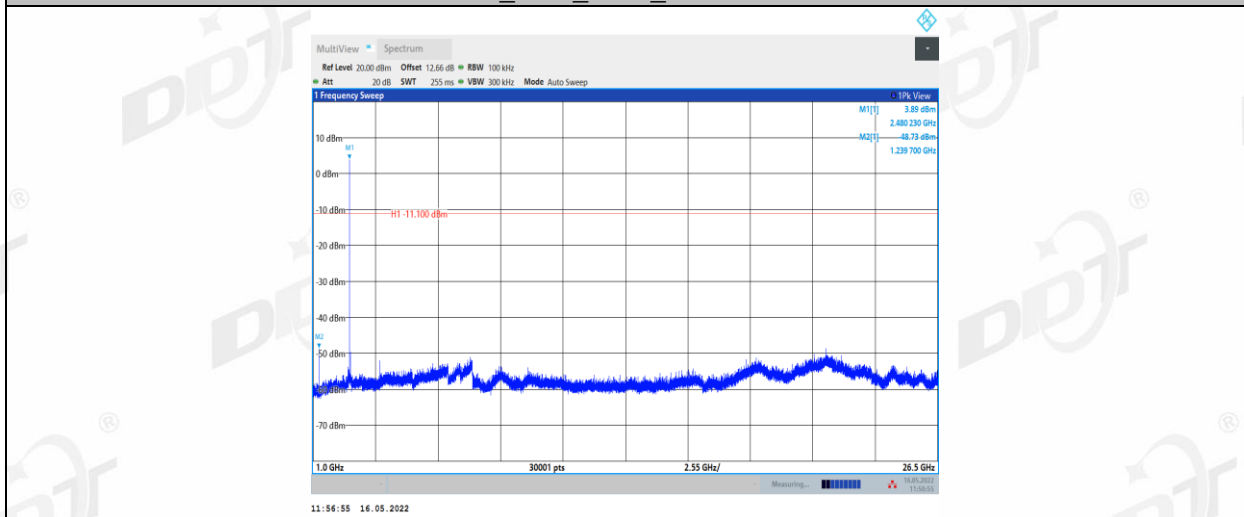
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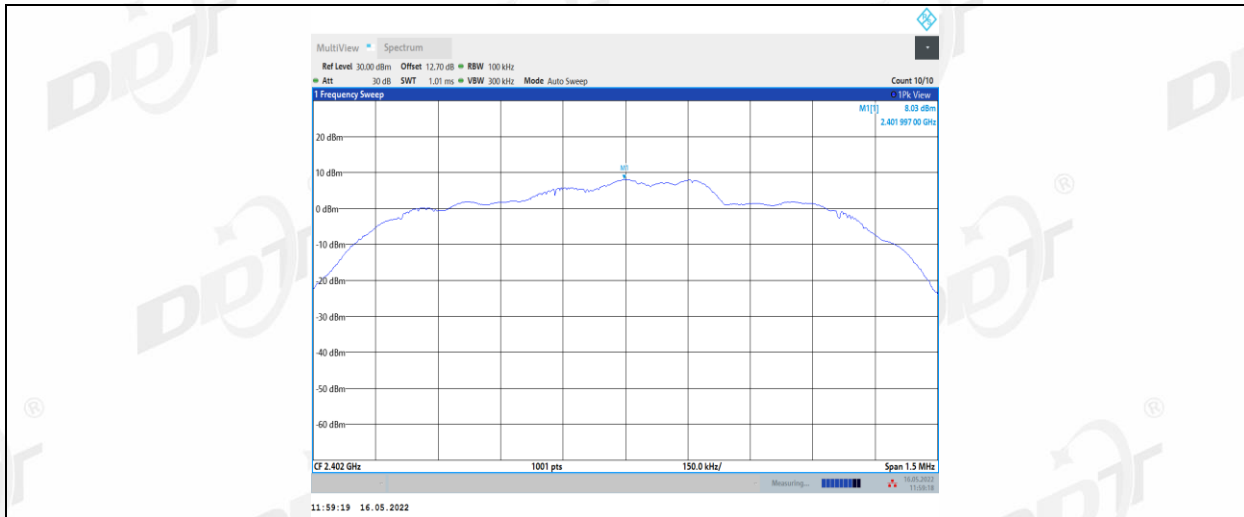
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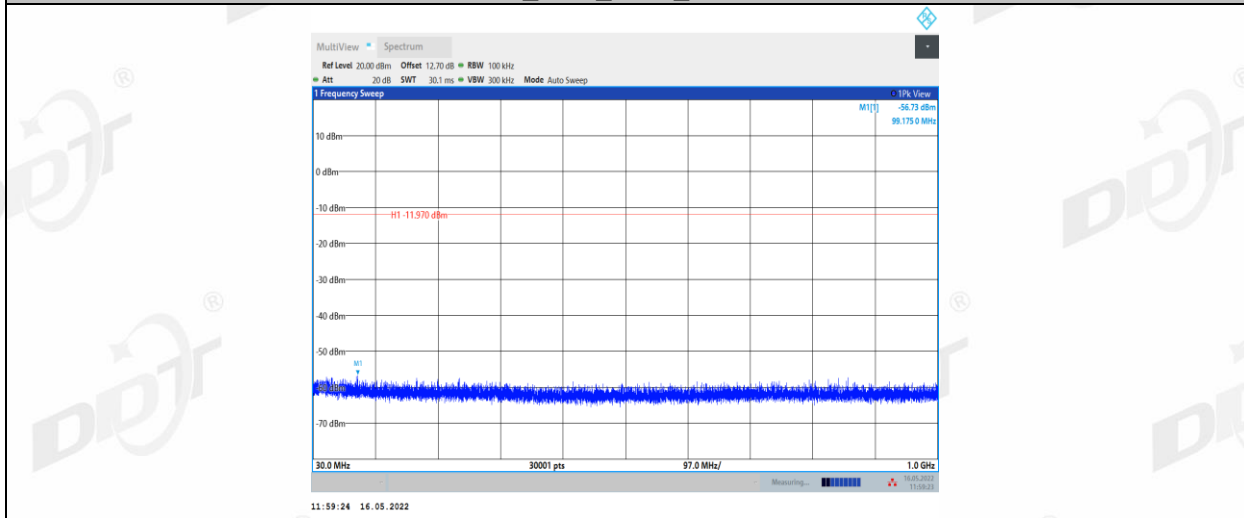
2DH5_Ant1_2480_1000~26500



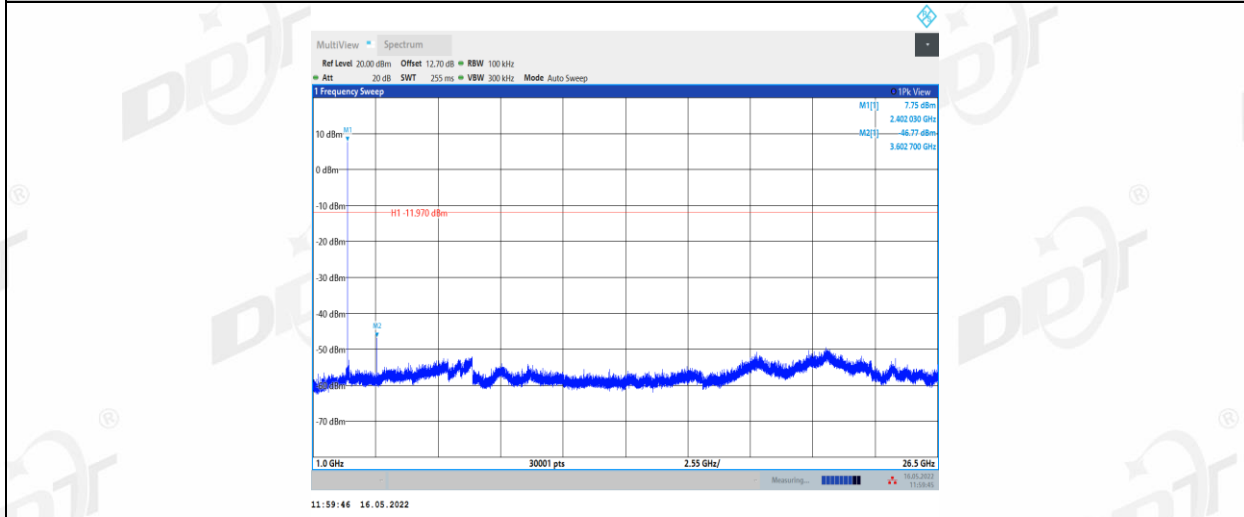
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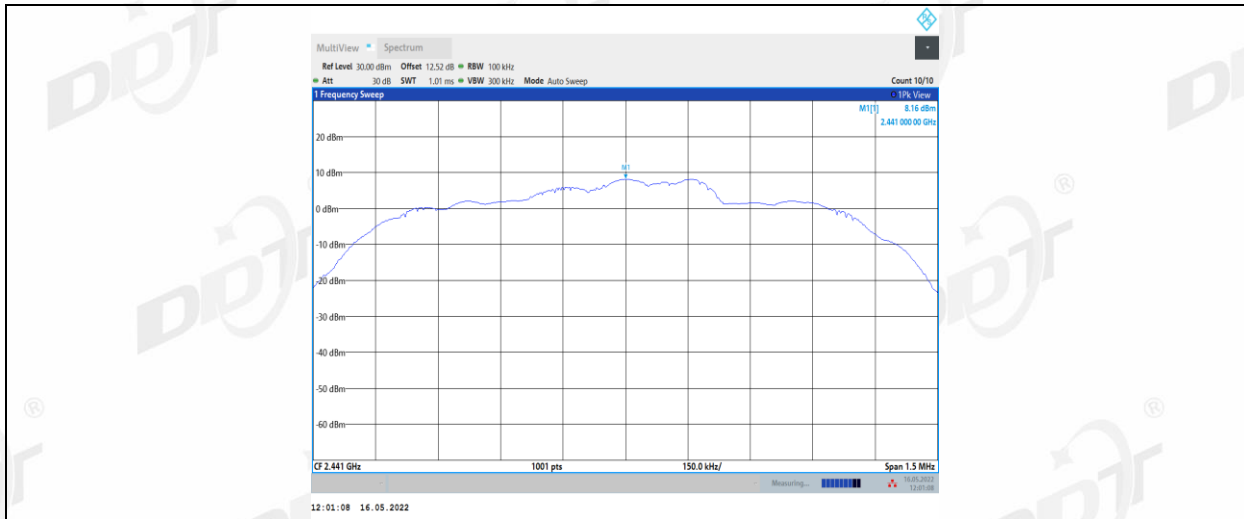
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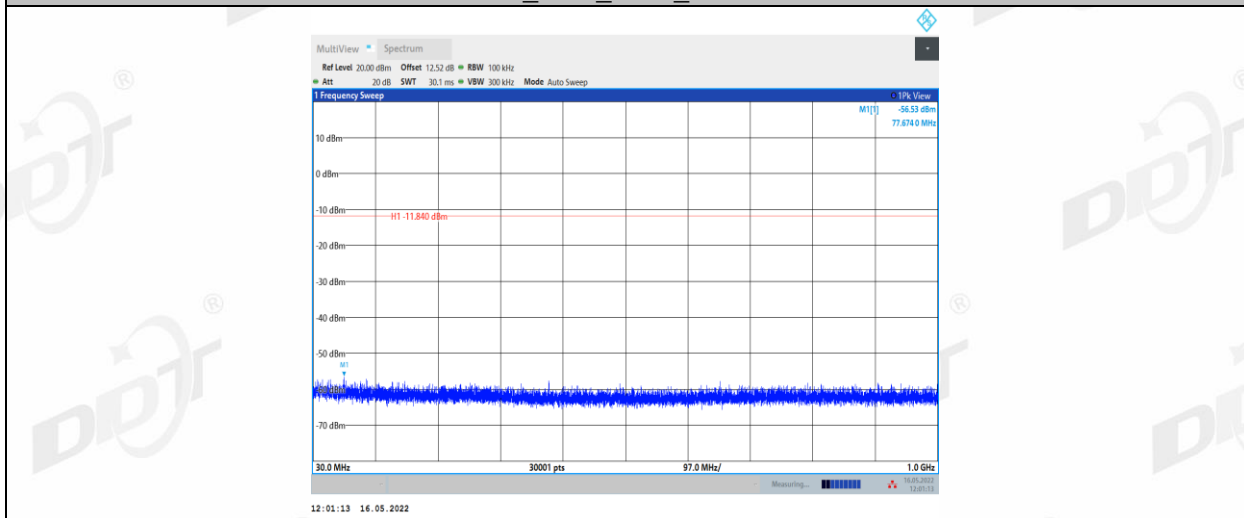
3DH5_Ant1_2402_1000~26500



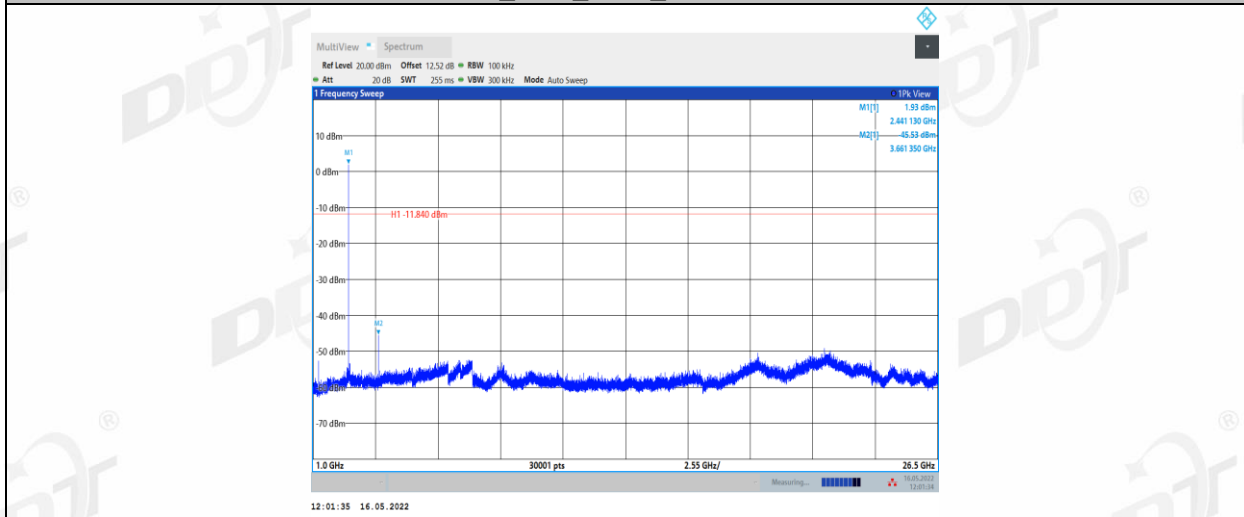
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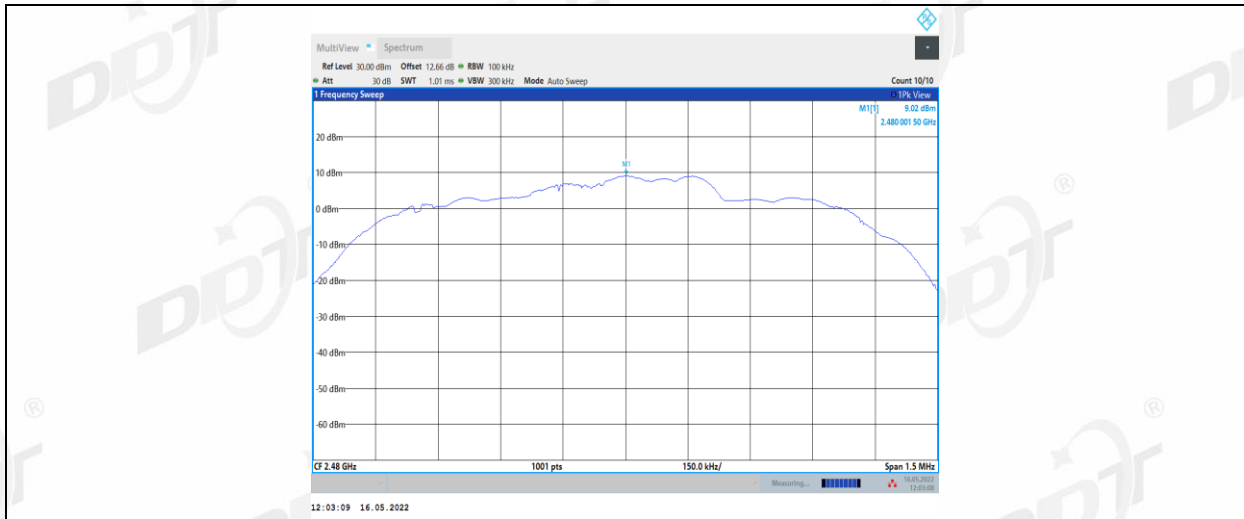
3DH5_Ant1_2441_30~1000



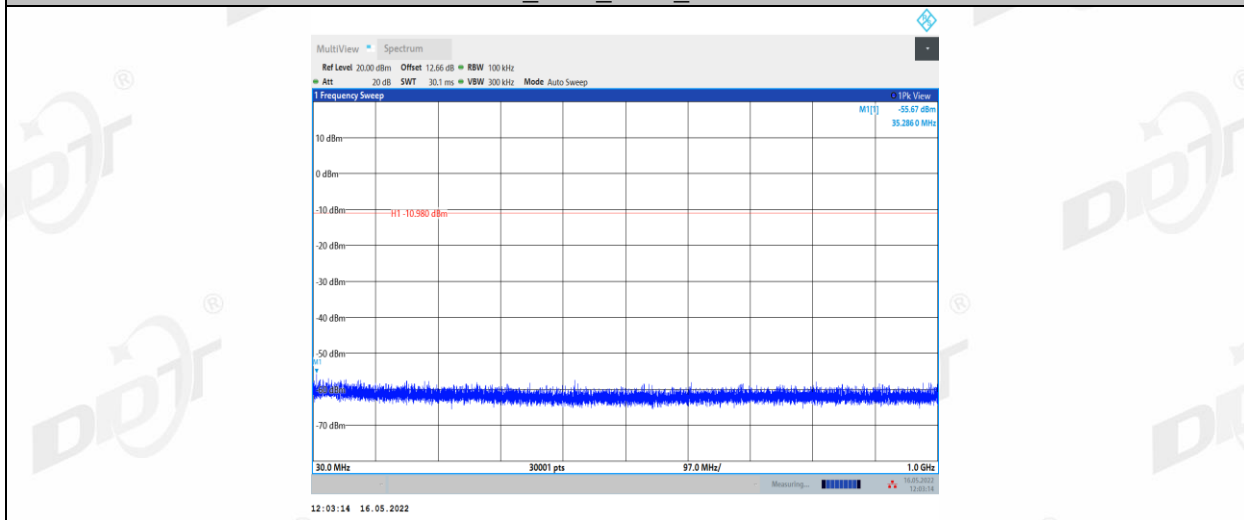
3DH5_Ant1_2441_1000~26500



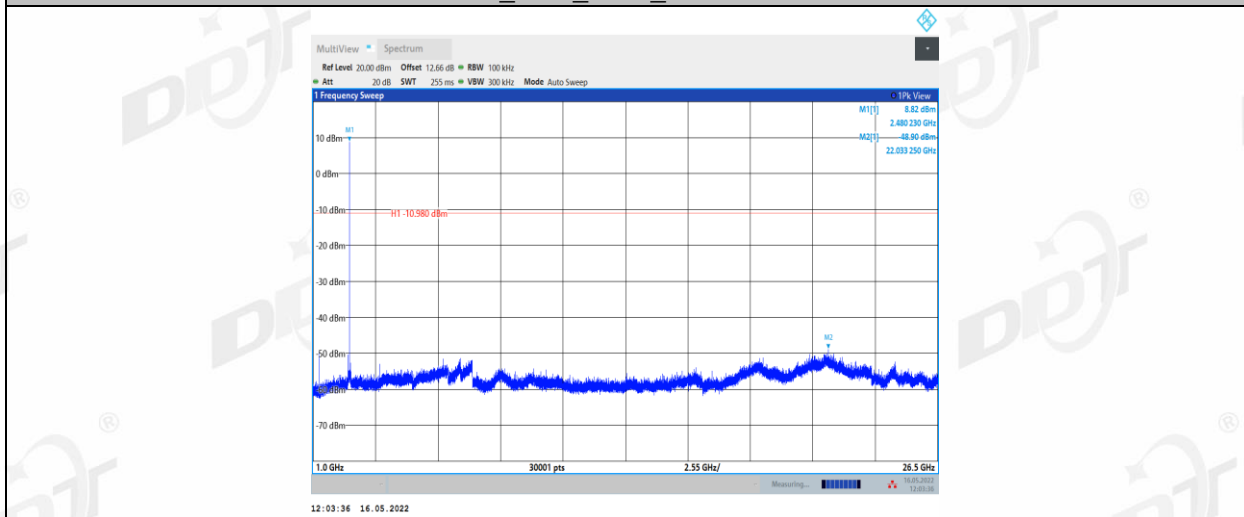
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



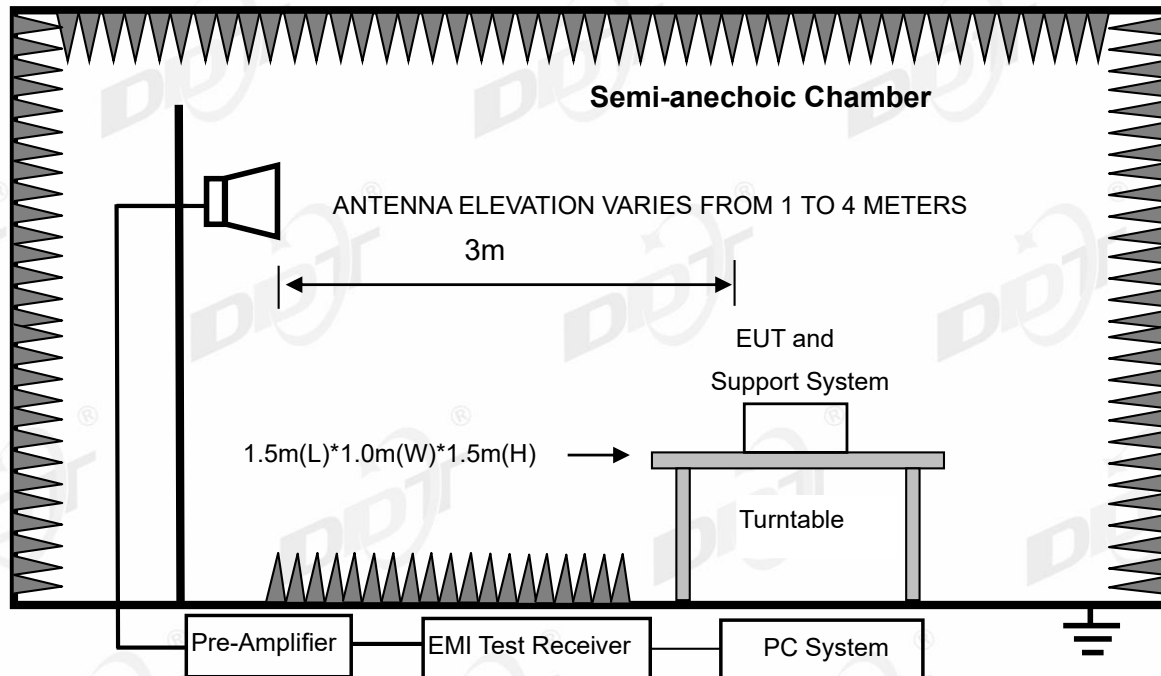
3DH5_Ant1_2480_1000~26500



12. Band Edge Compliance (Radiated Method)

12.1. Block diagram of test setup

In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



12.2. Limit

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

12.3. Test Procedure

Same with clause 10.3 except change investigated frequency range from 2310 MHz to 2410 MHz and 2475 MHz to 2500 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

12.4. Test result

Pass. (See below detailed test result)

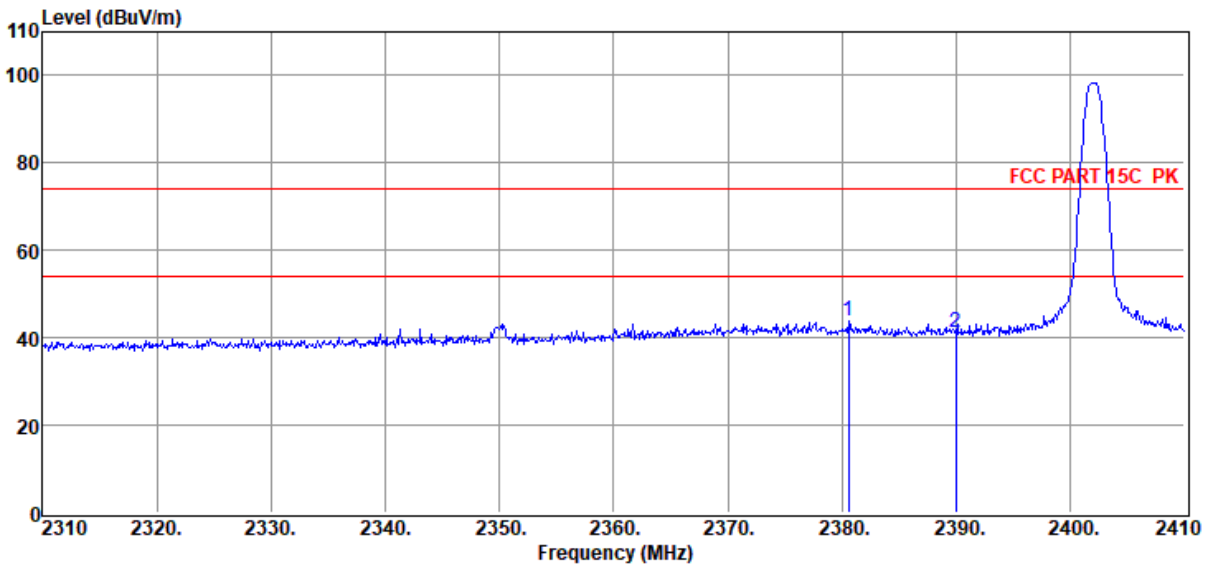
Remark: hopping on and hopping off mode all have been test, hopping off mode is worse and reported only. Scan with all mode, the worst case is recorded in this report.

The final test was only performed with EUT working in Left side Tx mode.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx Mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D
3#/3m/HORIZONTAL
Memo : DH5 2402

Data: 3



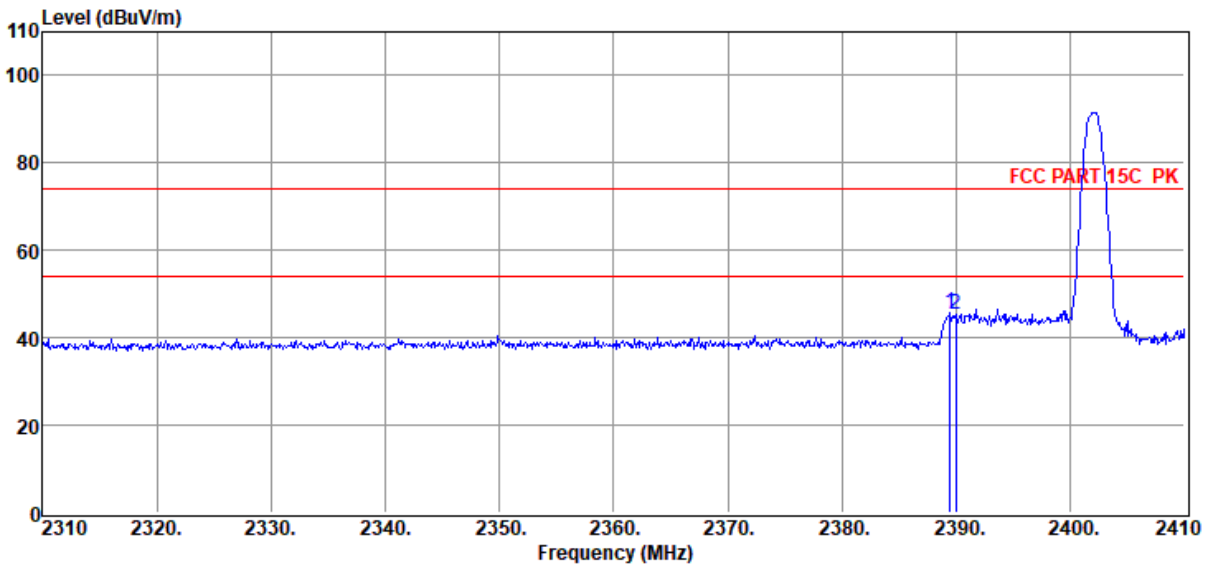
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2380.60	53.76	27.39	39.59	1.71	0.72	43.99	74.00	-30.01	Peak	HORIZONTAL
2	2390.00	50.95	27.40	39.60	1.71	0.72	41.18	74.00	-32.82	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : DH5 2402

Data: 4



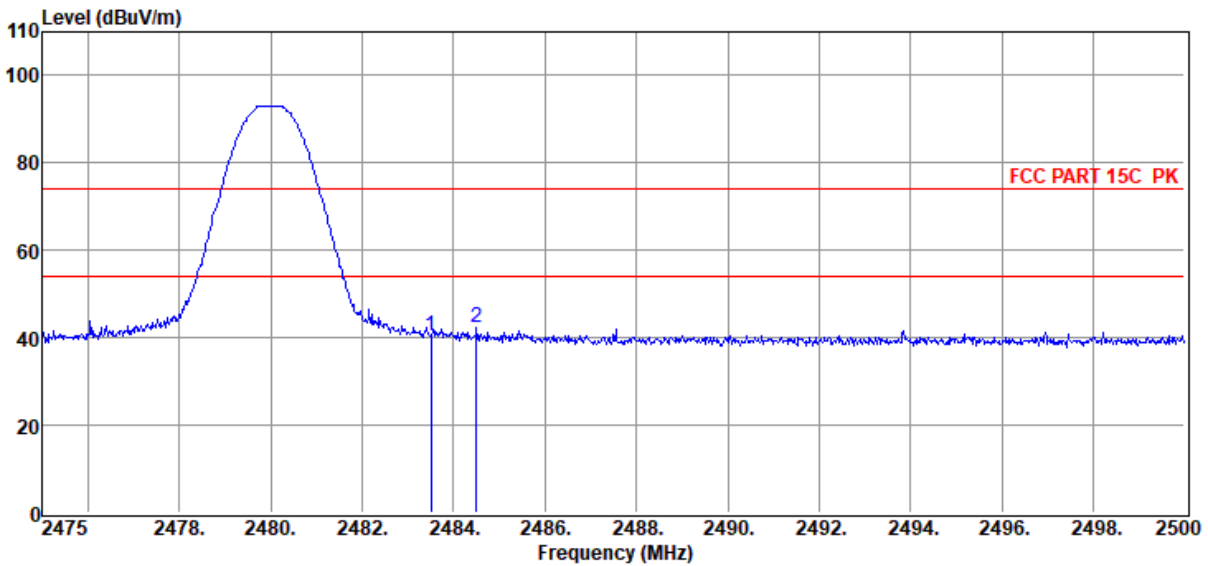
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2389.50	55.55	27.40	39.59	1.71	0.72	45.79	74.00	-28.21	Peak	VERTICAL
2	2390.00	55.29	27.40	39.60	1.71	0.72	45.52	74.00	-28.48	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : DH5 2480

Data: 9



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	50.01	27.57	39.64	1.74	0.73	40.41	74.00	-33.59	Peak	VERTICAL
2	2484.50	51.81	27.57	39.64	1.74	0.73	42.21	74.00	-31.79	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE
BUDSVIBE BUDS\FCC ABOVE 1G .EM6

Test Date : 2022-05-17

Tested By : Kennys Zhang

EUT : BLUETOOTH HEADSET

Model Number : WAVE BUDS

Power Supply : Battery

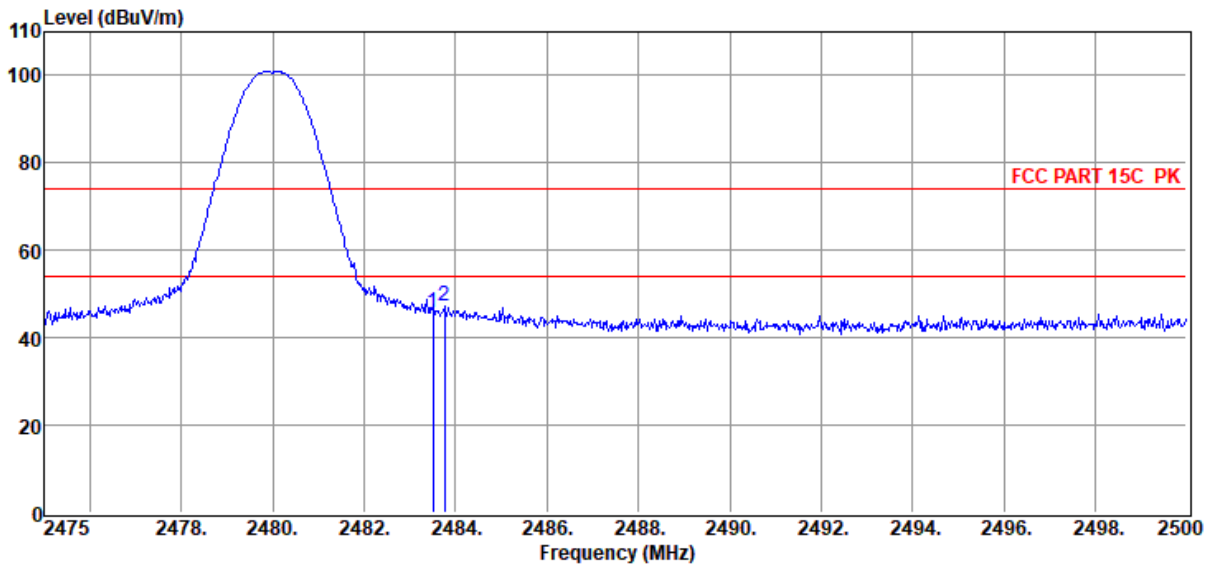
Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa

Antenna/Distance : 2021 BBHA 9120D
3#/3m/HORIZONTAL

Memo : DH5 2480

Data: 10



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	55.51	27.57	39.64	1.74	0.73	45.91	74.00	-28.09	Peak	HORIZONTAL
2	2483.75	56.84	27.57	39.64	1.74	0.73	47.24	74.00	-26.76	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

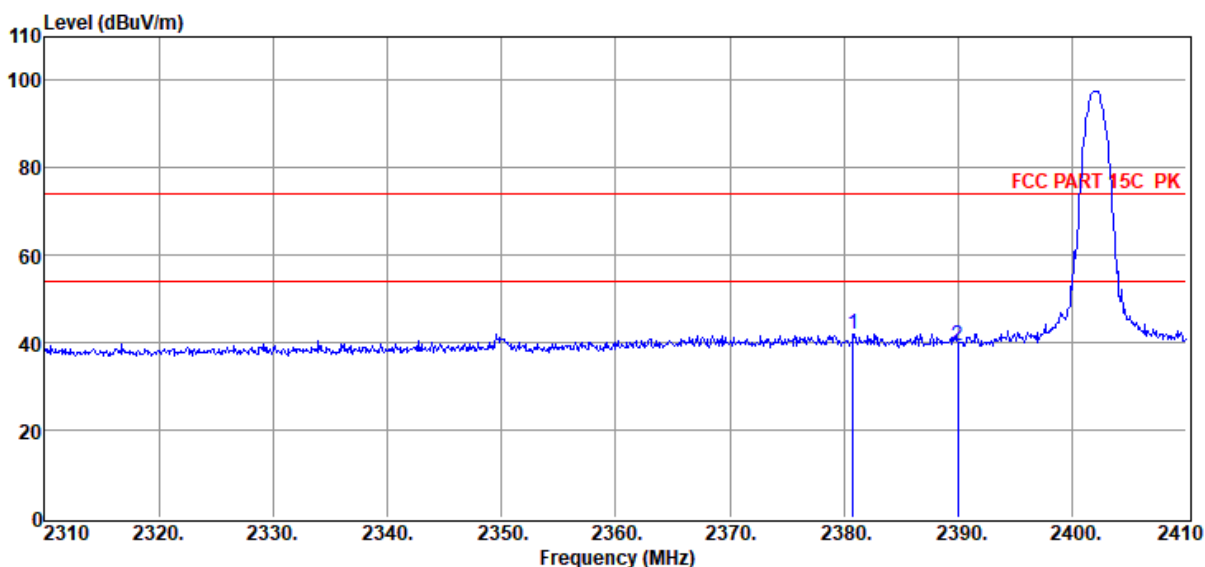
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo : 2DH5 2402

Data: 11



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2380.80	51.91	27.39	39.59	1.71	0.72	42.14	74.00	-31.86	Peak	HORIZONTAL
2	2390.00	49.26	27.40	39.60	1.71	0.72	39.49	74.00	-34.51	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

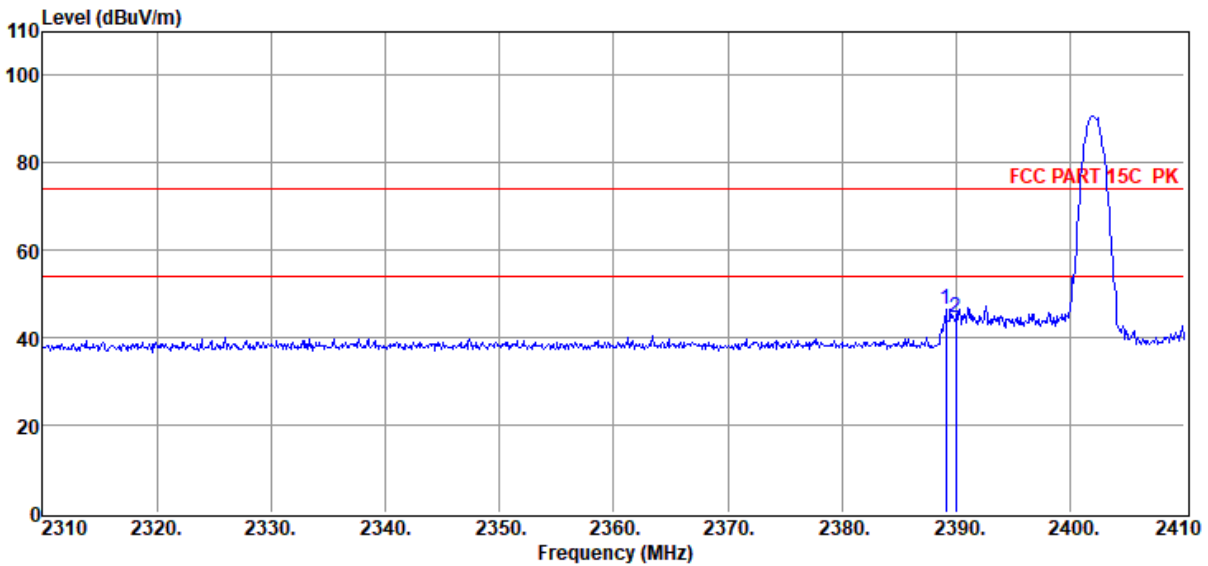
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 2DH5 2402

Data: 12



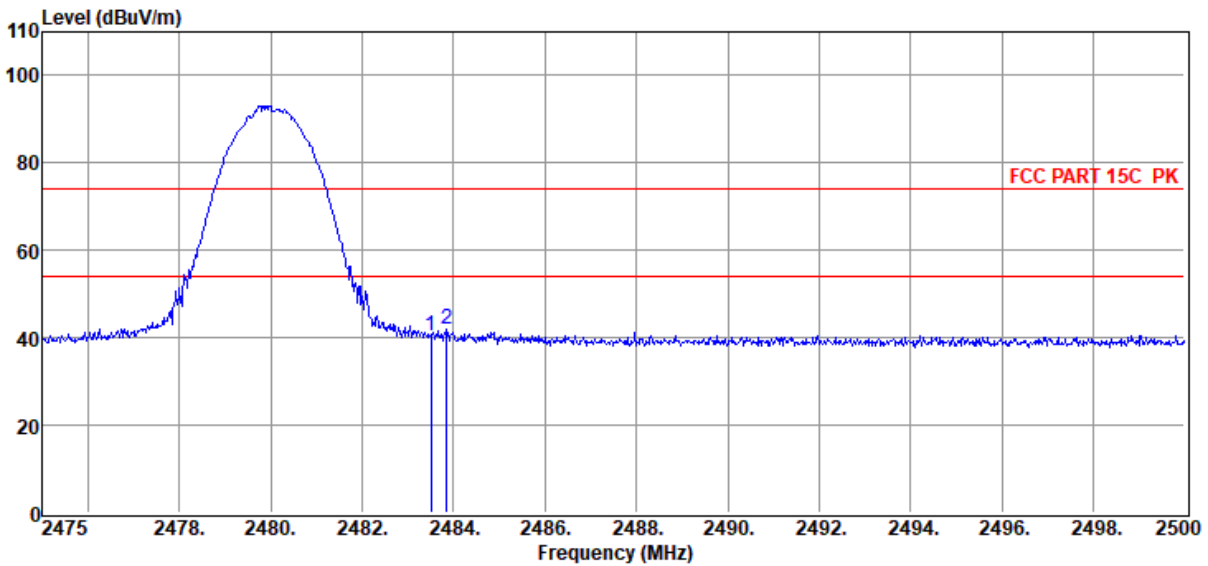
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2389.10	56.20	27.40	39.59	1.71	0.72	46.44	74.00	-27.56	Peak	VERTICAL
2	2390.00	54.51	27.40	39.60	1.71	0.72	44.74	74.00	-29.26	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 2DH5 2480

Data: 13



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	50.00	27.57	39.64	1.74	0.73	40.40	74.00	-33.60	Peak	VERTICAL
2	2483.85	51.38	27.57	39.64	1.74	0.73	41.78	74.00	-32.22	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE
BUDSVIBE BUDS\FCC ABOVE 1G .EM6

Test Date : 2022-05-17

Tested By : Kennys Zhang

EUT : BLUETOOTH HEADSET

Model Number : WAVE BUDS

Power Supply : Battery

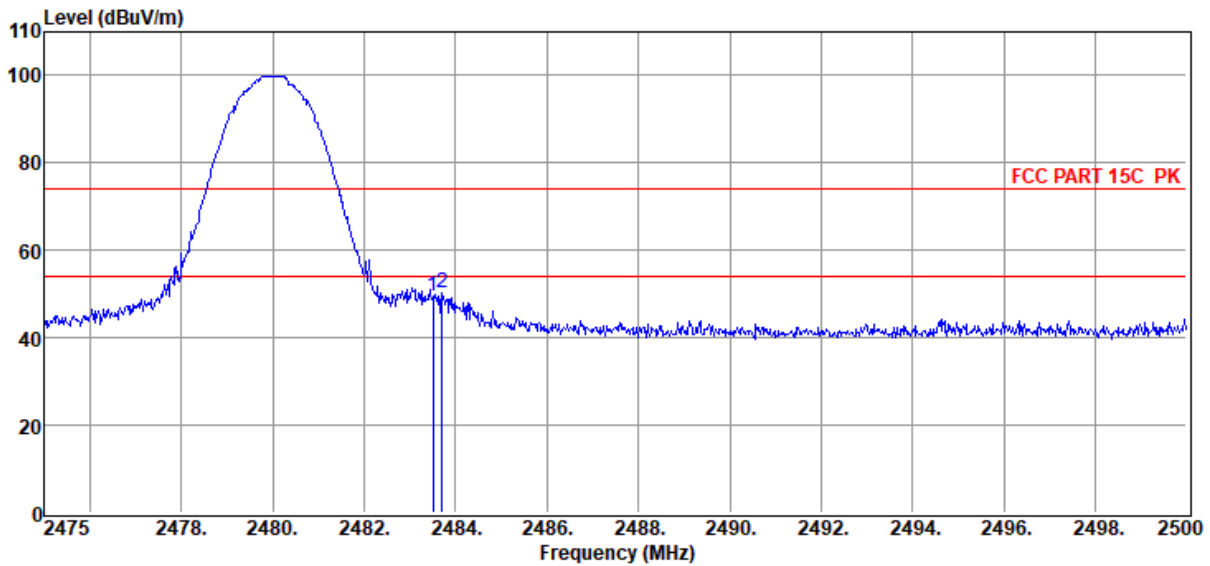
Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa

Antenna/Distance : 2021 BBHA 9120D
3#/3m/HORIZONTAL

Memo : 2DH5 2480

Data: 14



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	59.16	27.57	39.64	1.74	0.73	49.56	74.00	-24.44	Peak	HORIZONTAL
2	2483.70	59.69	27.57	39.64	1.74	0.73	50.09	74.00	-23.91	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

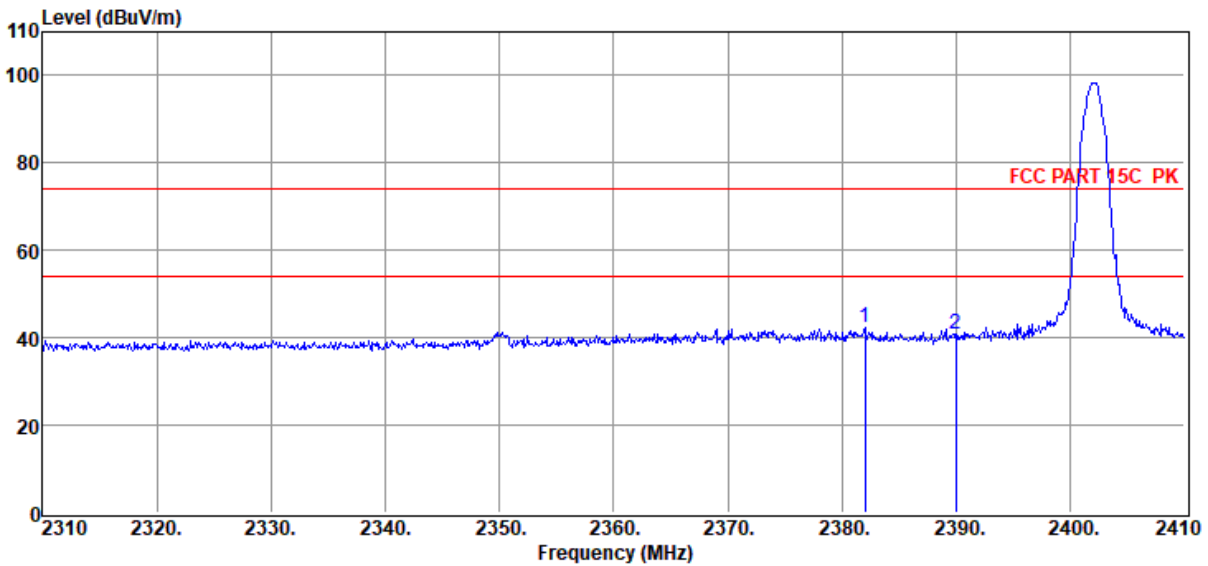
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo : 3DH5 2402

Data: 15



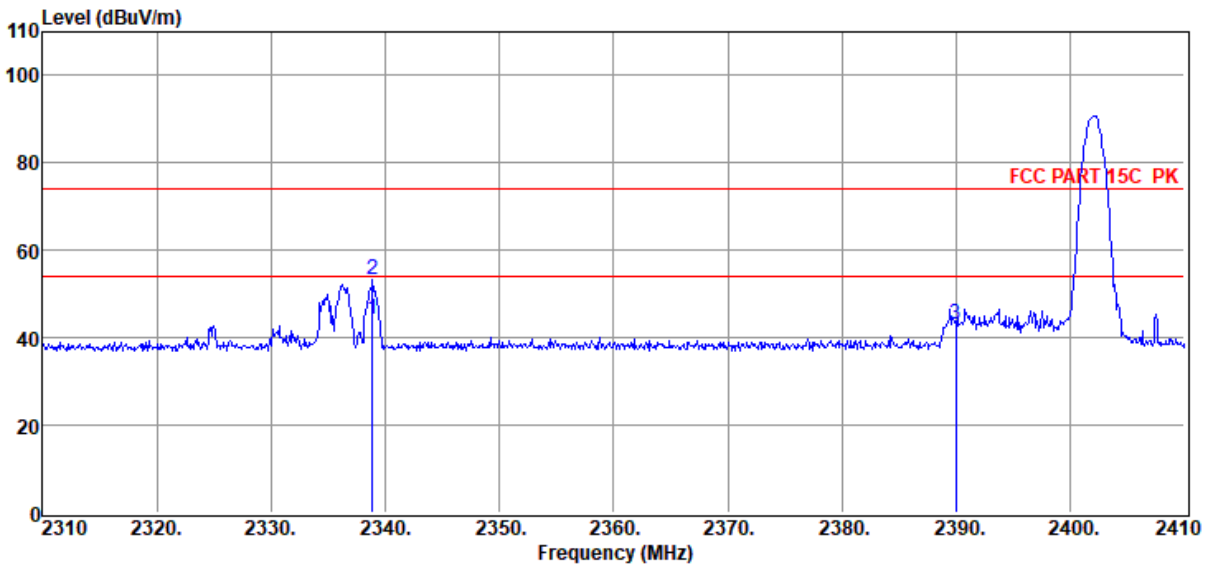
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2382.00	52.06	27.39	39.59	1.71	0.72	42.29	74.00	-31.71	Peak	HORIZONTAL
2	2390.00	50.42	27.40	39.60	1.71	0.72	40.65	74.00	-33.35	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 3DH5 2402

Data: 16



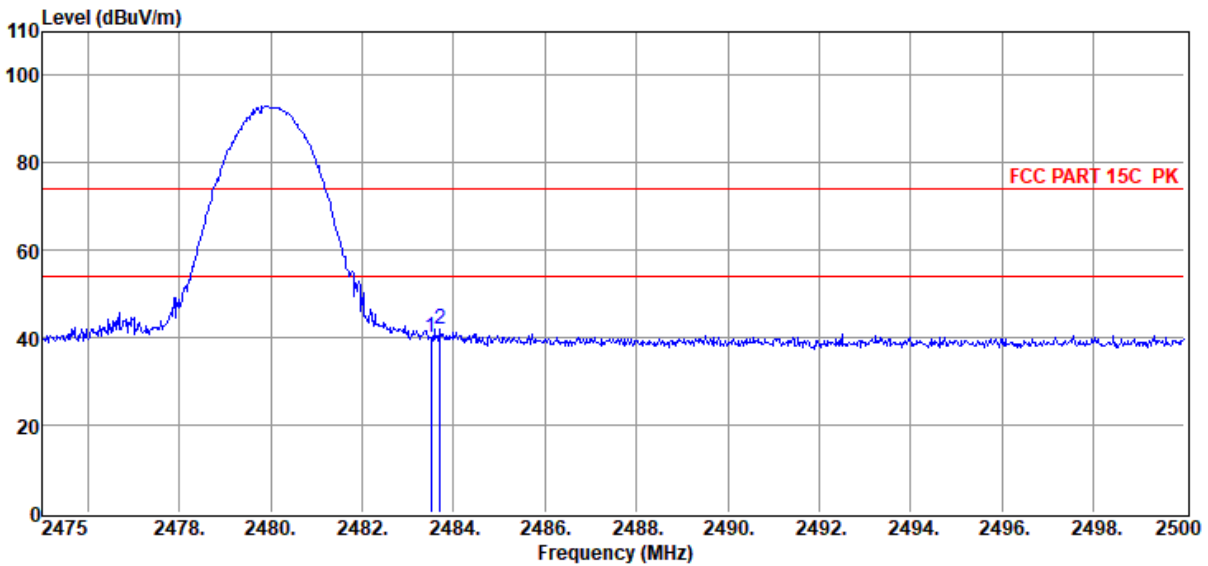
Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2338.90	54.10	27.31	39.57	1.69	0.72	44.25	54.00	-9.75	Average	VERTICAL
2	2338.90	63.10	27.31	39.57	1.69	0.72	53.25	74.00	-20.75	Peak	VERTICAL
3	2390.00	52.86	27.40	39.60	1.71	0.72	43.09	74.00	-30.91	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3# D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Test Date : 2022-05-17 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : Battery **Test Mode** : Tx mode
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa **Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL
Memo : 3DH5 2480

Data: 17



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	49.75	27.57	39.64	1.74	0.73	40.15	74.00	-33.85	Peak	VERTICAL
2	2483.70	51.64	27.57	39.64	1.74	0.73	42.04	74.00	-31.96	Peak	VERTICAL

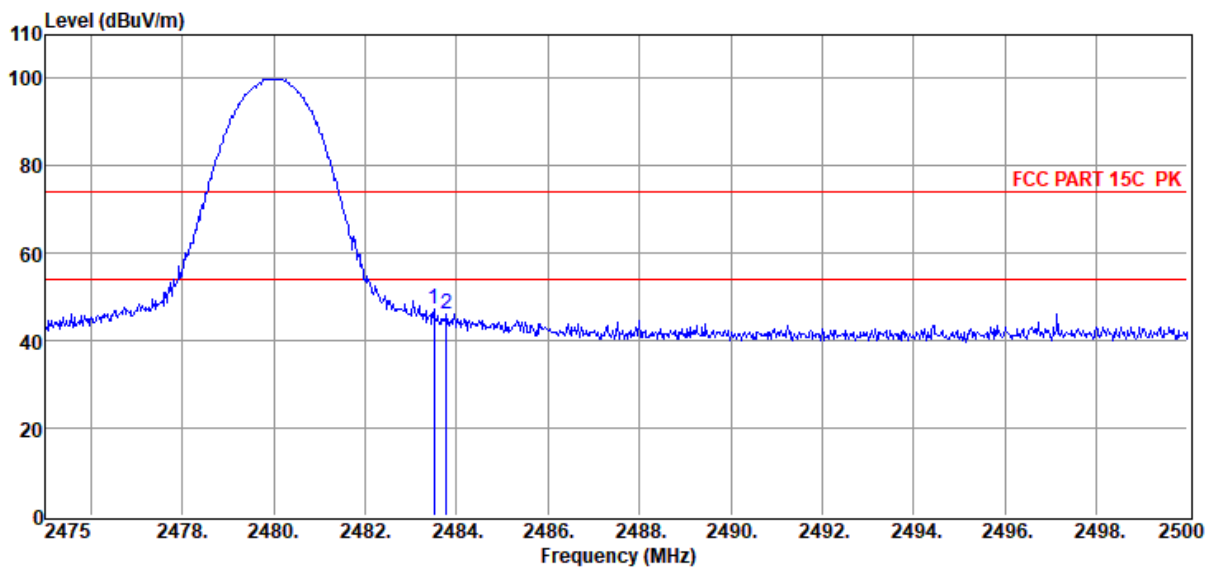
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#
Test Date : 2022-05-17
EUT : BLUETOOTH HEADSET
Power Supply : Battery
Condition : Temp:24.5°C,Humi:66.5%,Press:100.1kPa
Memo : 3DH5 2480

D:\E3 6.111\2022 Report Data\Q22050910-2E WAVE BUDSVIBE BUDS\FCC ABOVE 1G .EM6
Tested By : Kennys Zhang
Model Number : WAVE BUDS
Test Mode : Tx mode
Antenna/Distance : 2021 BBHA 9120D
 3#/3m/HORIZONTAL

Data: 18



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	56.85	27.57	39.64	1.74	0.73	47.25	74.00	-26.75	Peak	HORIZONTAL
2	2483.78	55.69	27.57	39.64	1.74	0.73	46.09	74.00	-27.91	Peak	HORIZONTAL

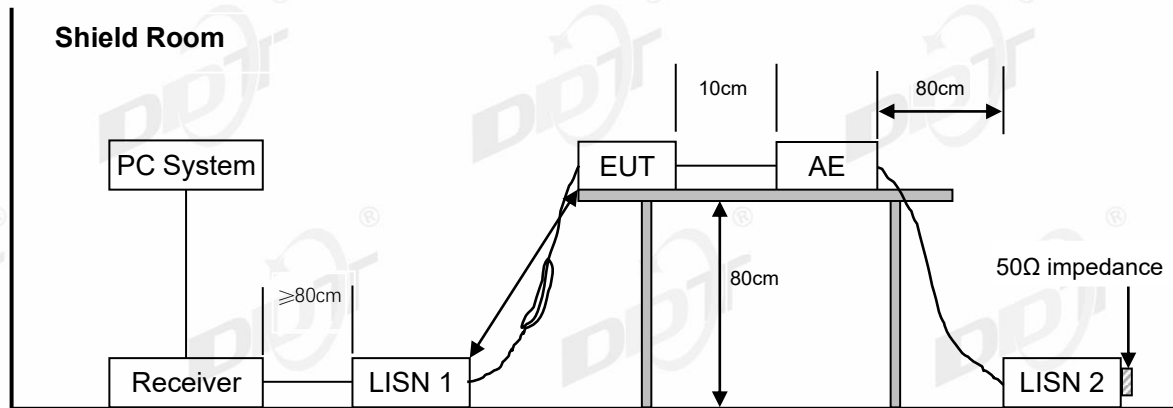
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Power Line Conducted Emission

13.1. Block diagram of test setup



13.2. Power line conducted emission limits

Frequency	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

13.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest

emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

13.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "----" means Average detection.

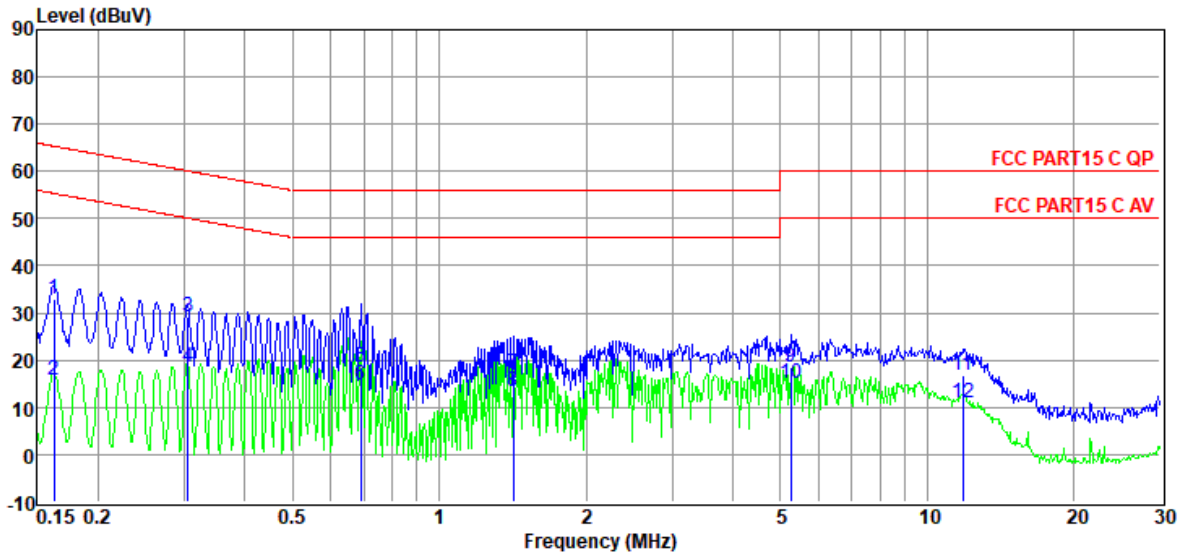
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room
Test Date : 2022-05-18
EUT : BLUETOOTH HEADSET
Power Supply : AC 120V/60Hz
Condition : TEMP:24.3°C, RH:53.0%, BP:101.0kPa
Memo :

D:\2022 CE report date\Q22050910-2E WAVE BUDS\FCC.EM6
Tested By : Kennys Zhang
Model Number : WAVE BUDS
Test Mode : Tx mode
LISN : 2021 1# ENV216/NEUTRAL

Data: 2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.16	13.34	9.80	0.01	9.92	33.07	65.34	-32.27	QP	NEUTRAL
2	0.16	-3.85	9.80	0.01	9.92	15.88	55.34	-39.46	Average	NEUTRAL
3	0.31	9.58	9.66	0.02	9.92	29.18	60.10	-30.92	QP	NEUTRAL
4	0.31	-1.15	9.66	0.02	9.92	18.45	50.10	-31.65	Average	NEUTRAL
5	0.69	-1.29	9.79	0.02	9.91	18.43	56.00	-37.57	QP	NEUTRAL
6	0.69	-4.95	9.79	0.02	9.91	14.77	46.00	-31.23	Average	NEUTRAL
7	1.42	-2.35	9.65	0.04	9.89	17.23	56.00	-38.77	QP	NEUTRAL
8	1.42	-6.37	9.65	0.04	9.89	13.21	46.00	-32.79	Average	NEUTRAL
9	5.25	-1.15	9.70	0.06	9.93	18.54	60.00	-41.46	QP	NEUTRAL
10	5.25	-4.75	9.70	0.06	9.93	14.94	50.00	-35.06	Average	NEUTRAL
11	11.81	-3.07	9.72	0.12	9.94	16.71	60.00	-43.29	QP	NEUTRAL
12	11.81	-8.95	9.72	0.12	9.94	10.83	50.00	-39.17	Average	NEUTRAL

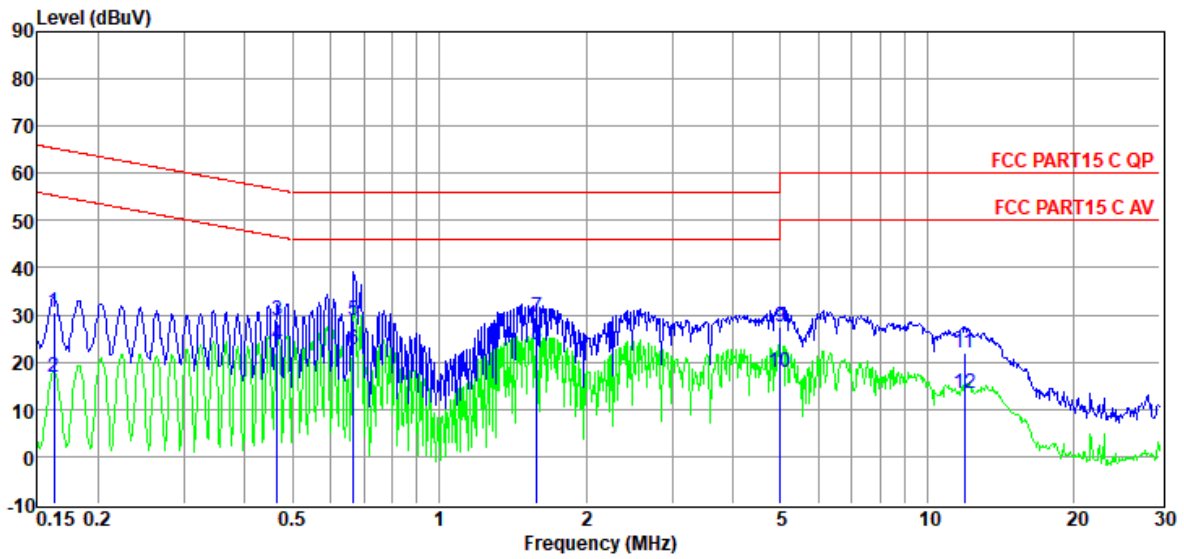
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2022 CE report date\Q22050910-2E WAVE BUDS\FCC.EM6
Test Date : 2022-05-18 **Tested By** : Kennys Zhang
EUT : BLUETOOTH HEADSET **Model Number** : WAVE BUDS
Power Supply : AC 120V/60Hz **Test Mode** : Tx mode
Condition : TEMP:24.3°C, RH:53.0%, BP:101.0kPa **LISN** : 2021 1# ENV216/LINE
Memo :

Data: 4



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.16	10.86	9.66	0.01	9.92	30.45	65.34	-34.89	QP	LINE
2	0.16	-2.68	9.66	0.01	9.92	16.91	55.34	-38.43	Average	LINE
3	0.47	9.26	9.62	0.02	9.91	28.81	56.58	-27.77	QP	LINE
4	0.47	4.12	9.62	0.02	9.91	23.67	46.58	-22.91	Average	LINE
5	0.67	9.36	9.51	0.02	9.91	28.80	56.00	-27.20	QP	LINE
6	0.67	3.10	9.51	0.02	9.91	22.54	46.00	-23.46	Average	LINE
7	1.59	10.12	9.53	0.04	9.89	29.58	56.00	-26.42	QP	LINE
8	1.59	4.26	9.53	0.04	9.89	23.72	46.00	-22.28	Average	LINE
9	5.01	7.98	9.56	0.06	9.93	27.53	60.00	-32.47	QP	LINE
10	5.01	-1.56	9.56	0.06	9.93	17.99	50.00	-32.01	Average	LINE
11	11.93	2.40	9.63	0.13	9.94	22.10	60.00	-37.90	QP	LINE
12	11.93	-6.18	9.63	0.13	9.94	13.52	50.00	-36.48	Average	LINE

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

14. Antenna Requirements

14.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

14.2. Result

The product is that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the left side transmit antenna is -1.90 dBi and right side is -1.60 dBi.

END OF REPORT