



TEST REPORT



Dt&C Co., Ltd.

42, Yurim-ro, 154 beon-gil, Cheoin-gu, Yongin-si,
Gyeonggi-do, Korea
Tel : 031-321-2664, Fax : 031-321-1664



1. Report No : DREKFCC2603-0029
2. Customer
 - Name : EMSONIC
 - Address : 54-8, Cheomdangieop 3-ro, Sandong-eup, Gumi-si, Gyeongsangbuk-do, South Korea
3. Use of Report : Grant of Certification
4. Product Name / Model Name : PORTABLE BLUETOOTH SPEAKER / GLO
(FCC ID : 2A78WGLO / IC : 28870-GLO)
5. Test Method Used : ANSI C63.4:2014
FCC Part 15 Subpart B
(All other devices)
ICES-003 Issue 7
6. Date of Test : Feb. 09. 2026 ~ Feb. 10. 2026
7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing
(Address : Refer to the attached)
8. Testing Environment : Temperature 12 °C , Humidity (24 ~ 30) % R.H.
9. Test Result : Refer to the attached Test Result

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This laboratory is not accredited for the test results marked. " * "

Affirmation	Tested by	Technical Manager
	Name : HyeonDong Son	Name : HyungJun Kim

The above test report is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

Mar. 10. 2026

Dt&C Co., Ltd.

Accredited by KOLAS, Republic of KOREA

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

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TRF-EM-405(00)260212

Pages: 1 / 31



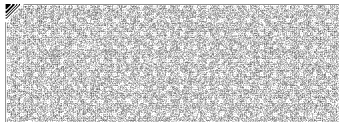
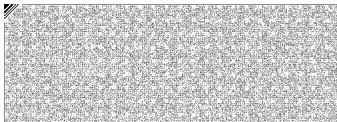


Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



CONTENTS

1. General Remarks	3
2. Test Laboratory	3
3. General Information of EUT	4
4. EUT Operations and Test Configurations	5
4.1 Principle of Configuration Selection	5
4.2 EUT Operation Mode	5
4.3 Supported Equipment	6
4.4 EUT configuration and interconnections	6
4.5 EUT In/Output Port	6
4.6 Test Voltage and Frequency	6
5. Test Summary	7
6. Test Environment	7
7. Test Results : Emission	8
7.1 Conducted Emissions	8
7.2 Radiated Emissions	12
7.3 Antenna Power Conduction	30
8. Revision History	31





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



1. General Remarks

This report contains the result of tests performed by :

Dt&C Co., Ltd.

42, Yurim-ro, 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea

<http://www.dtnet.net>

Tel: +82-31-321-2664 Fax: +82-31-321-1664

2. Test Laboratory

Address of Laboratory

☐	Branch site-1	46, Yurim-ro 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea
☐	Satellite facilities-1	42, Yurim-ro 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea
☒	Satellite facilities-3	38, Yurim-ro 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea
☐	Satellite facilities-4	28, Baengnyeong-ro 20 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea

Dt&C Co., Ltd. has been accredited / filed / authorized by the agencies listed in the following table;

Certificate	Nation	Agency	Code	Remark
Accreditation	Korea	KOLAS	393	ISO/IEC 17025
	South Africa	SABS	0006	ISO/IEC 17025
	Ghana	NCA	NCA agreement 23 rd , Oct, 2018	-
Site Filing	USA	FCC	KR0034	Designation
			704742	Registration No.
	Canada	IC	KR0034	Designation
	Japan	VCCI	C-11427, R-13385, R-14076, R-14180, R-14496, T-11442, G-10338, G-10754, G-10815, G-20051	Registered
Certification	Korea	KC	KR0034	Designation
	Germany	TUV	CARAT 089112 0013 Rev.00	ISO/IEC 17025
	Russia	RMRS	22.03.01.01196.296	ISO/IEC 17025

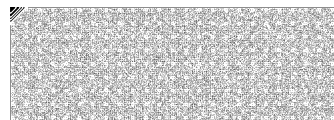
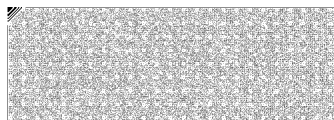
Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competent of calibration and testing laboratory".



3. General Information of EUT

Applicant	EMSONIC 54-8, Cheomdangieop 3-ro, Sandong-eup, Gumi-si, Gyeongsangbuk-do, South Korea
Manufacturer	EMSONIC 54-8, Cheomdangieop 3-ro, Sandong-eup, Gumi-si, Gyeongsangbuk-do, South Korea
Factory	P.T.EMSONIC Jl. Timor Blok E5, MM2100 Industrial Town, Jatiwangi Cikarang Barat, Bekasi, Jawa Barat, Indonesia
Product Name	PORTABLE BLUETOOTH SPEAKER
Model Name	GLO
Add Model Name	N/A
Add Model Difference	N/A
Software Version	SW V1.0
Hardware Version	HW V1.0
RF Module Name	Built-in Bluetooth Function with JL AC6951 SoC (On Board)
Maximum Internal Frequency	24 MHz
Classification	☐ Class A ☒ Class B
Rated Power	DC 5 V
FCC ID	2A78WGLO
IC	28870-GLO
Remarks	Wireless Frequency - BT : 2 402 ~ 2 480 MHz

Related Submittal(s) / Grant(s)
Original submittal only



4. EUT Operations and Test Configurations

4.1 Principle of Configuration Selection

Emission :

The equipment under test (EUT) was configured to measure its highest possible radiation level.
The test modes were adapted accordingly in reference to the instructions for use.
For each testing mode different configurations were used,
Refer to the individual tests.

4.2 EUT Operation Mode

No.	Mode	Description
1	Bluetooth	The EUT is connected to an adaptor and its internal battery is being charged. The EUT is tested by connecting to a mobile phone via Bluetooth and playing a 1kHz sound source.



4.3 Supported Equipment

Used*	Product Type	Model	Manufacturer	Remarks
AE	Adaptor	EP-TA50KWK	HAEM VINA Co., Ltd.	N/A
AE	Mobile phone	M2101K7AG	Xiaomi Communications Co., Ltd.	N/A
* Abbreviations: AE: Auxiliary/Associated Equipment, or SIM: Simulator				

4.4 EUT configuration and interconnections

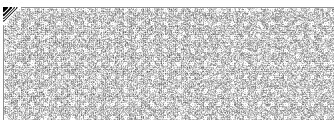
Start		End		Cable	
Device	Port*	Device	Port*	Length (m)	Shielded
EUT	USB-C	Adaptor	USB-A	0.6	Non-shielded
Adaptor	AC IN	AC Mains	AC OUT	-	-

4.5 EUT In/Output Port

Name	Type*	Cable Max. >3 m	Cable Shielded	Cable Backshell	Remarks
USB	USB-C	0.6	Non-shielded	Plastic	Adaptor
* Abbreviations: AC: AC power port DC: DC power port N/E: None-Eletrical I/O: Signal input or output port TP: Telecommunication port					

4.6 Test Voltage and Frequency

Case	Phases	Voltage (V)	Frequency (Hz)	Remarks
1	AC Input 1 phase	120	60	N/A



5. Test Summary

Test Items	Applied Standards	Results
Conducted Emissions	ANSI C63.4:2014 ICES-003 Issue 7	C
Radiated Emissions	ANSI C63.4:2014 ICES-003 Issue 7	C
Antenna Power Conduction	ANSI C63.4: 2014	N/A
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		
(Note 1) Excluded from the test because there is no port for the above test in the EUT.		

The data in this test report are traceable to the national or international standards.

Measurement Uncertainty	
Test Items	U (k = 2)
Conducted Emissions (150 kHz ~ 30 MHz)	Mains : 3.4 dB Signal : 6.0 dB
Radiated Emissions (3m)	Below 1 GHz : 5.82 dB Above 1 GHz : 7.20 dB
Radiated Emissions (10m)	Below 1 GHz : 5.8 dB
Antenna Power Conduction	N/A

- Conducted Emissions

Frequency [MHz]	Phase	Result [dBμV]	Detector	Limit [dBμV]	Margin [dB]
0.411	Neutral	15.90	Cispr - Average	47.63	31.73

- Radiated Emissions

Frequency [MHz]	Pol.	Result [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]
78.015	VERTICAL	35.51	Quasi-Peak	40.00	4.49

- Antenna Power Conduction

Frequency [MHz]	Result [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]
-	-	-	-	-

6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (℃)	Humidity (% R.H.)	Pressure (kPa)
Conducted Emissions	2026-02-10	12	30	100.8
Radiated Emissions	2026-02-09	12	24	-





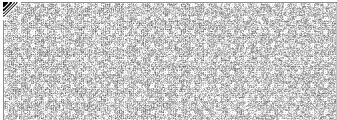
Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



7. Test Results : Emission

7.1 Conducted Emissions

ANSI C63.4	Conducted Emissions		Result	
<u>Method:</u> The AMN placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane. This distance was between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment were at least 0,8 m from the AMN. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN. The measuring port of the LISN for EUT was connected to spectrum analyzer. Using conducted emission test software, the emissions were scanned with peak detector mode. After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and CISPR Average detector. For (0.15 ~ 30) MHz frequency range, Quasi-Peak detector with 10 kHz RBW and 30 kHz VBW was used. By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.			Comply	
Fully configured sample scanned over the following frequency range	Frequency range on each side of line	Measurement Point		
	150 kHz to 30 MHz	Mains		
EUT mode (Refer to clauses 4)	EUT Operation mode	1		
Limits – Class A				
Frequency (MHz)	Limit (dBµV)			
	Quasi-Peak	Average		
0.15 to 0.50	79	66		
0.50 to 30	73	60		
Limits – Class B				
Frequency (MHz)	Limit (dBµV)			
	Quasi-Peak	Average		
0.15 to 0.50	66 to 56	56 to 46		
0.50 to 5	56	46		
5 to 30	60	50		





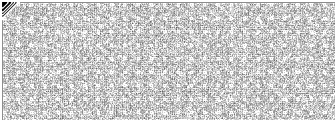
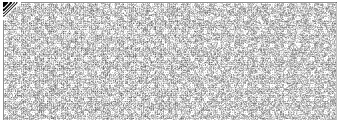
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Measurement Instrument					
Description	Model	Manufacturer	Identifier	Cal. Due Date	Cal. Cycle
EMI TEST RECEIVER	ESW8	ROHDE&SCHWARZ	103407	2026-07-10	1 YEAR
TWO-LINE V-NETWORK	ENV216	ROHDE&SCHWARZ	101979	2026-11-26	1 YEAR
PULSE LIMITER	ESH3-Z2	ROHDE&SCHWARZ	103297	2026-07-08	1 YEAR
CABLE	L-5D2V	CANARE	N/A	2026-06-12	1 YEAR

Calculation

N : Neutral phase, L1 : Live phase
C.FACTOR(dB) : Pulse Limiter(dB) + Cable loss(dB) + Insertion loss of LISN(dB)
Result(dBμV) : Reading Value(dBμV) + C.FACTOR(dB)
Margin(dB) : Limit(dBμV) - Result(dBμV)





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Conducted disturbance at mains terminal _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

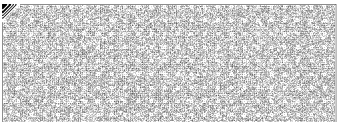
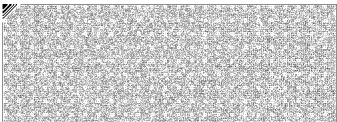
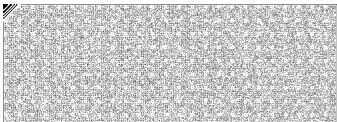
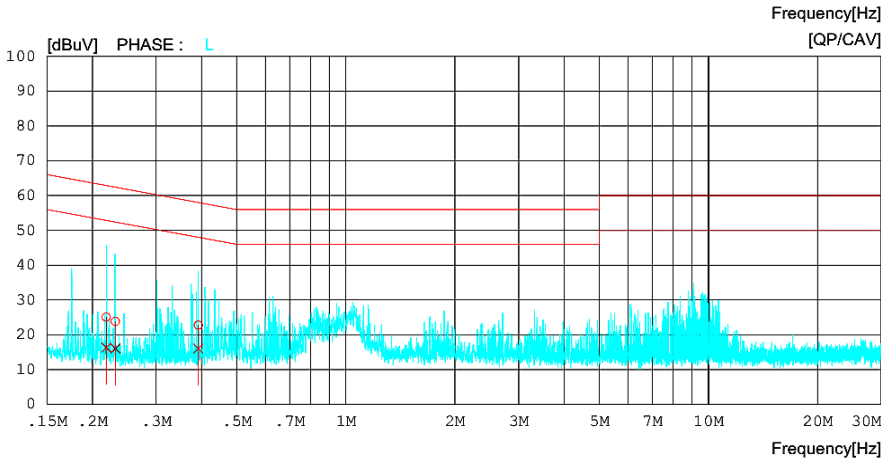
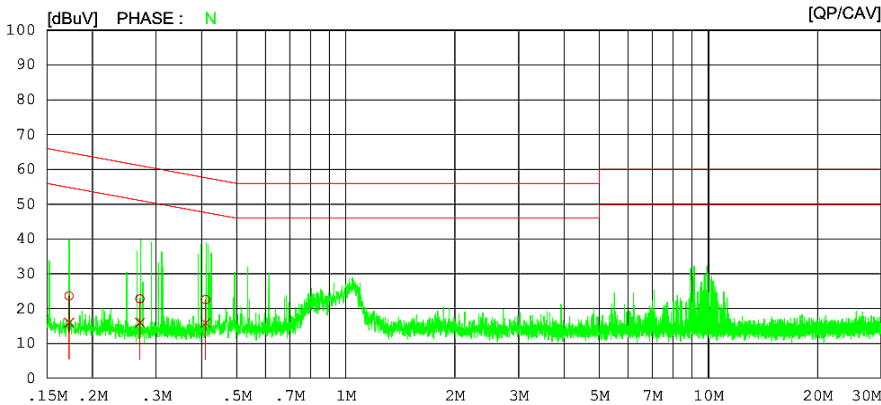
Date 2026-02-10

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi/Atm 12 'C 30 % R.H. 100.8 kPa
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part.15 B_CLASS B_AV
FCC Part.15 B_CLASS B_QP

Lisn Factor
1. EMC-438_ENV216_101979_2025.11.27_N_150k_ON
2. EMC-438_ENV216_101979_2025.11.27_L_150k_ON
Cable Loss
1. C1_LISN TO RECEIVER_0.009-30MHz_2025-06-13
Pulse Lmitter
1. EMC-667_ESH3-Z2_103297_2025.07.09





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-10

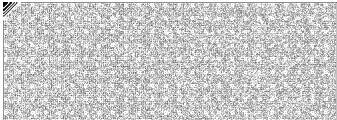
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi/Atm 12 °C 30 % R.H. 100.8 kPa
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part.15 B_CLASS B_AV
FCC Part.15 B_CLASS B_QP

Lisn Factor
1. EMC-438_ENV216_101979_2025.11.27_N_150k_ON
2. EMC-438_ENV216_101979_2025.11.27_L_150k_ON
Cable Loss
1. C1_LISN TO RECEIVER_0.009-30MHz_2025-06-13
Pulse Lmitter
1. EMC-667_ESH3-Z2_103297_2025.07.09

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	CAV [dBuV]		QP [dBuV]	CAV [dBuV]	QP [dBuV]	CAV [dBuV]	QP [dBuV]	CAV [dBuV]	
1	0.17250	3.75	-3.82	19.84	23.59	16.02	64.84	54.84	41.25	38.82	N
2	0.27056	3.03	-3.77	19.75	22.78	15.98	61.10	51.10	38.32	35.12	N
3	0.41070	2.64	-4.08	19.98	22.62	15.90	57.63	47.63	35.01	31.73	N
4	0.21850	5.30	-3.46	19.79	25.09	16.33	62.88	52.88	37.79	36.55	L
5	0.23150	4.11	-3.64	19.73	23.84	16.09	62.40	52.40	38.56	36.31	L
6	0.39198	2.79	-3.92	19.98	22.77	16.06	58.02	48.02	35.25	31.96	L



7.2 Radiated Emissions

ANSI C63.4	Radiated Emissions for 30 MHz ~ 40 GHz**			Result
<u>Method:</u> Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable. For final measurement below 1 GHz frequency range, Quasi-Peak detector with (RBW = 120 kHz Bandwidth) was used. For final measurement above 1 GHz frequency range, Peak detector with (RBW = 1 MHz Bandwidth) and CISPR Average detector with (RBW = 1 MHz Bandwidth) were used.				Comply
EUT mode (Refer to clauses 4)	EUT Operation mode		1	
Radiated Disturbance below 1 000 MHz				
Frequency range (MHz)	Quasi-peak limit dBµV/m			
	Class A		Class B	
	3 m distance	10 m distance	3 m distance	
30 to 88	49.1	39.1	40	
88 to 216	53.5	43.5	43.5	
216 to 960	56.4	46.4	46	
960 to 1 000	59.5	49.5	54	
According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards(CISPR), Pub. 22 shown as below.				
Frequency range (MHz)	Quasi-peak limit (dBµV/m)			
	Class A (10 m distance)		Class B (10 m distance)	
30 to 230	40		30	
230 to 1 000	47		37	
Radiated Disturbance for above 1 000 MHz at a measurement distance of 3 m				
Frequency range (GHz)	Peak limit dBµV/m		Average limit dBµV/m	
	Class A	Class B	Class A	Class B
1 to 40	80	74	60	54
The test frequency range of Radiated Disturbance measurements are listed below.				
Highest frequency generated or used in the device or on which the device operates or tunes (MHz)			Upper frequency of measurement range (MHz)	
Below 108			1 000	
108 – 500			2 000	
500 – 1 000			5 000	
Above 1 000			5 th harmonic of the highest frequency or 40 GHz, whichever is lower	





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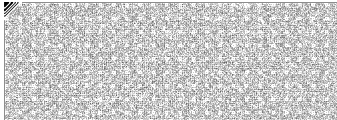
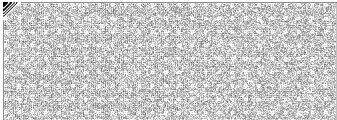


Measurement Instrument					
Description	Model	Manufacturer	Identifier	Cal. Due Date	Cal. Cycle
EMI TEST RECEIVER	ESW44	ROHDE&SCHWARZ	101645	2026-09-22	1 YEAR
TRILOG BROADBAND TEST-ANTENNA	VULB9160	SCHWARZBECK	9160-3363	2026-10-06	2 YEARS
LOW NOISE PRE AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2026-02-11	1 YEAR
ATTENUATOR	8491B	HP	23831	2026-10-06	2 YEARS
HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1014	2026-07-31	1 YEAR
LOW NOISE PRE AMPLIFIER	MLA-100M18-B01-42	TSJ	1872271	2026-07-31	1 YEAR
HORN ANTENNA	EM-6969	ELECTRO-METRICS	156	2026-12-16	1 YEAR
LOW NOISE PRE AMPLIFIER	MLA-0618-B03-34	TSJ	1785642	2026-12-16	1 YEAR
HORN ANTENNA	3116C	ETS-LINDGREN	00240008	2026-07-31	1 YEAR
LOW NOISE PRE AMPLIFIER	LNAS-50-18004000-33-5P	MITEQ	2210093	2026-07-31	1 YEAR
CABLE(30 MHZ - 1 GHZ)	N/A	JUNFLON	N/A	2026-11-10	1 YEAR
CABLE(30 MHZ - 1 GHZ)	SF 104	HUBER+SUHNER	N/A	2026-11-10	1 YEAR
CABLE(30 MHZ - 1 GHZ)	LMR400	TMS	N/A	2026-11-10	1 YEAR
CABLE(1 GHZ - 18 GHZ)	SF 104	HUBER+SUHNER	N/A	2026-11-10	1 YEAR
CABLE(1 GHZ - 18 GHZ)	SF 104	HUBER+SUHNER	N/A	2026-11-10	1 YEAR
CABLE(1 GHZ - 18 GHZ)	SF 104	HUBER+SUHNER	N/A	2026-11-10	1 YEAR
CABLE(18 GHZ - 40 GHZ)	SF102E	HUBER+SUHNER	N/A	2026-08-21	1 YEAR

(NOTE : THE MEASUREMENT ANTENNAS WERE CALIBRATED IN ACCORDANCE TO THE REQUIREMENTS OF C63.5-2017.)

Calculation

Result(dBμV/m) : Reading Value(dBμV) + Cable loss(dB) - Pre amplifier gain(dB) + Ant. Factor(dB)
Margin(dB) : Limit(dBμV/m) - Result(dBμV/m)
The Site Factor refers to the distance compensation factor. This chamber was measured at 3 m when measuring 1~6 GHz, and a distance compensation coefficient of 0 dB (20log(3/3) = 0 dB) was applied.





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (30 ~ 1 000) MHz _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60
FCC Part 15 Subpart B			

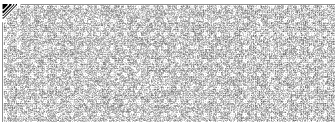
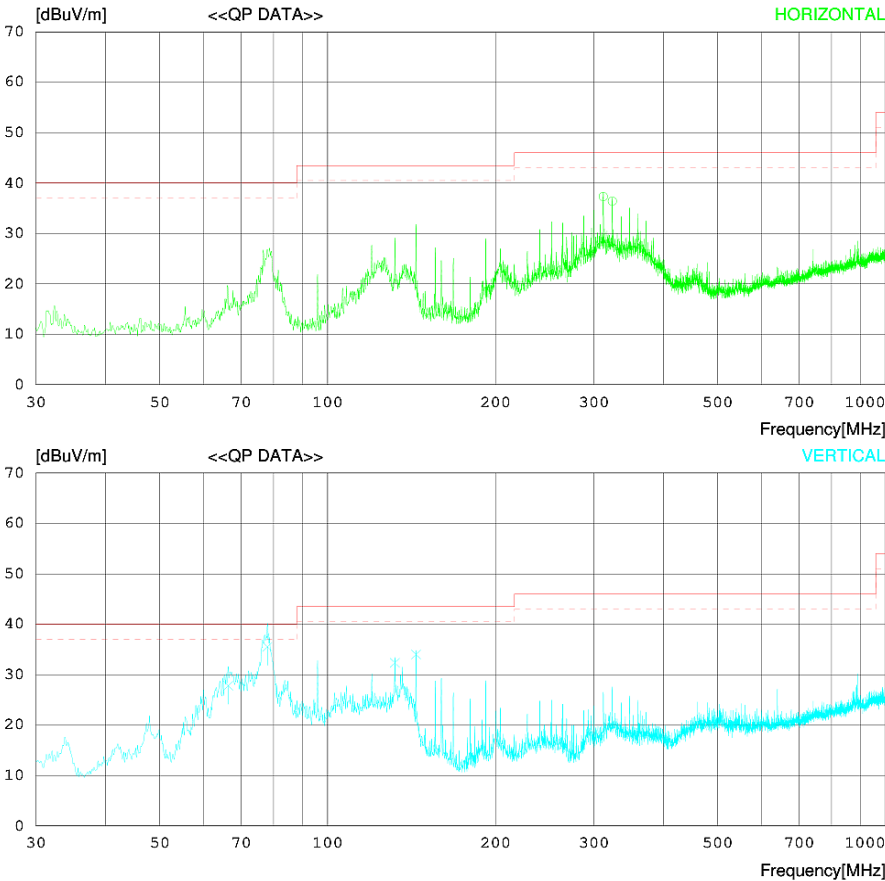
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m)
MARGIN: 3 dB

Antenna Factor
1. ANT_EMC-309_VULB9160_3363_with ATT_2024-10-07
Cable Loss
1. #24, 25, 26_Assemble_30M-1G_2025_11_11
Pre Amp Gain
1. EMC-110_AMP_MLA-100K01-B01-26_1252741_2025.02.12





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Date 2026-02-09

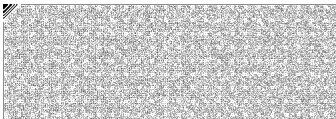
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m)
MARGIN: 3 dB

Antenna Factor
1. ANT_EMC-309_VULB9160_3363_with ATT_2024-10-07
Cable Loss
1. #24, 25, 26_Assemble_30M-1G_2025_11_11
Pre Amp Gain
1. EMC-110_AMP_MLA-100K01-B01-26_1252741_2025.02.12

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	311.899	43.70	19.43	1.28	27.08	37.33	46.00	8.67	354	251
2	323.902	42.50	19.67	1.29	27.05	36.41	46.00	9.59	371	308
----- VERTICAL -----										
3	66.375	37.40	17.06	0.65	27.30	27.81	40.00	12.19	132	251
4	78.015	47.80	14.50	0.51	27.30	35.51	40.00	4.49	117	328
5	131.969	41.00	17.80	0.84	27.30	32.34	43.50	11.16	125	262
6	143.973	41.80	18.66	0.87	27.30	34.03	43.50	9.47	129	144





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (30 ~ 1 000) MHz _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60
ICES-003 Issue 7			

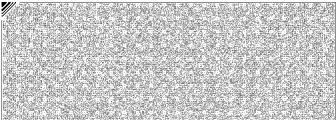
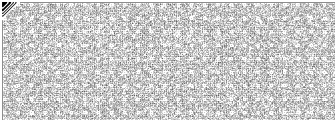
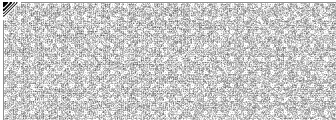
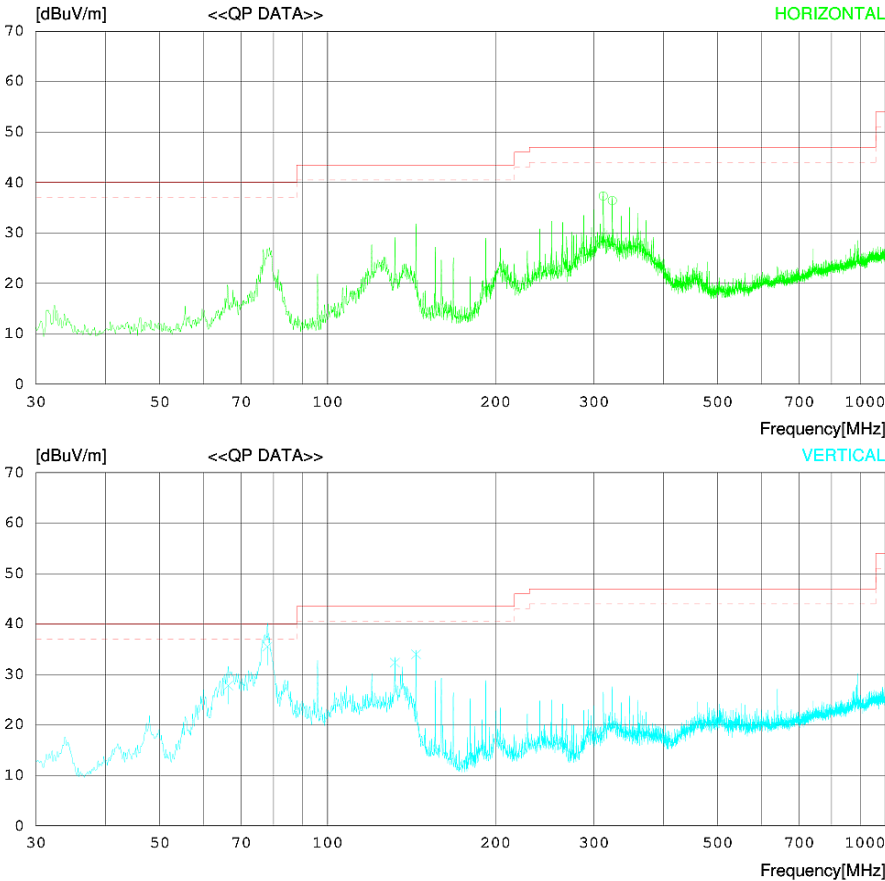
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : ICES-003 Issue 7_Class B
MARGIN: 3 dB

Antenna Factor
1. ANT_EMC-309_VULB9160_3363_with ATT_2024-10-07
Cable Loss
1. #24, 25, 26_Assemble_30M-1G_2025_11_11
Pre Amp Gain
1. EMC-110_AMP_MLA-100K01-B01-26_1252741_2025.02.12





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

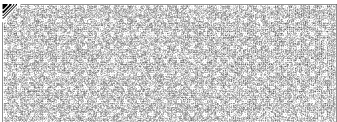
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : ICES-003 Issue 7_Class B
MARGIN: 3 dB

Antenna Factor
1. ANT_EMC-309_VULB9160_3363_with ATT_2024-10-07
Cable Loss
1. #24, 25, 26_Assemble_30M-1G_2025_11_11
Pre Amp Gain
1. EMC-110_AMP_MLA-100K01-B01-26_1252741_2025.02.12

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	311.899	43.70	19.43	1.28	27.08	37.33	47.00	9.67	354	251
2	323.902	42.50	19.67	1.29	27.05	36.41	47.00	10.59	371	308
----- VERTICAL -----										
3	66.375	37.40	17.06	0.65	27.30	27.81	40.00	12.19	132	251
4	78.015	47.80	14.50	0.51	27.30	35.51	40.00	4.49	117	328
5	131.969	41.00	17.80	0.84	27.30	32.34	43.50	11.16	125	262
6	143.973	41.80	18.66	0.87	27.30	34.03	43.50	9.47	129	144





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (1 ~ 6) GHz Peak _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

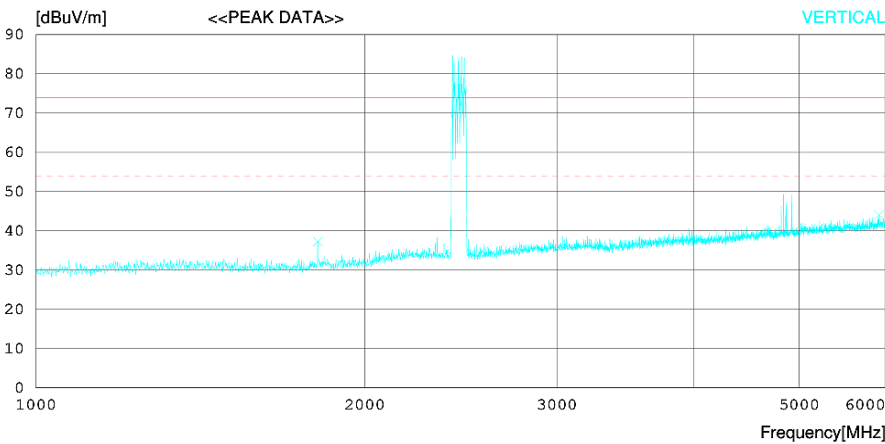
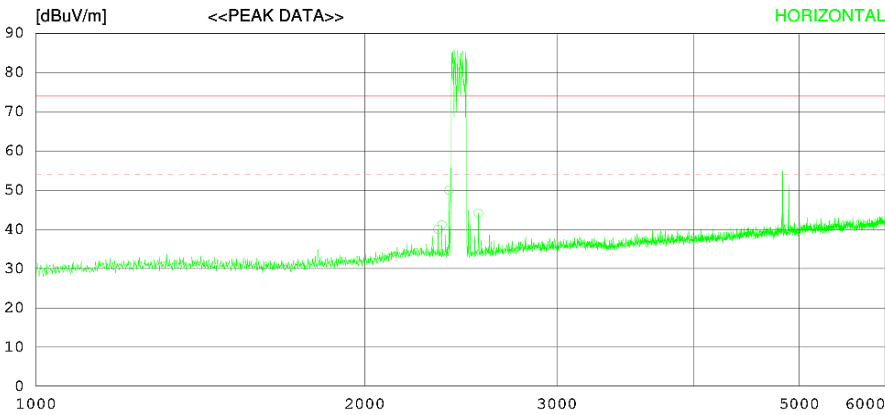
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

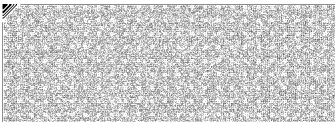
Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor
1. ANT_9120D_1014_25.08.01
Cable Loss
1. #27, #28, #29_Assemble_1G-6G_2025-11-11
Pre Amp Gain
1. AMP_MLA-100M18-B01-42_1872271_2025.08.01



- Remarks : (2,402 ~ 2,480) MHz is Bluetooth frequency.
(4,804 ~ 4,960) MHz is harmonics of fundamental.





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

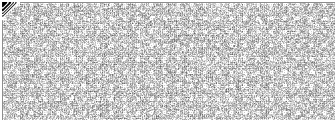
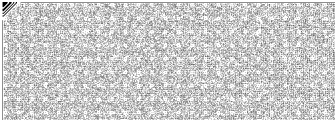
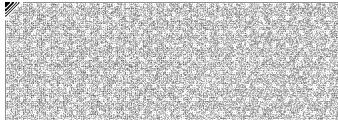
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor
1. ANT_9120D_1014_25.08.01
Cable Loss
1. #27, #28, #29_Assemble_1G-6G_2025-11-11
Pre Amp Gain
1. AMP_MLA-100M18-B01-42_1872271_2025.08.01

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	2334.375	55.40	27.83	4.96	48.20	39.99	74.0	34.01	153	97
2	2354.375	56.60	27.78	4.98	48.20	41.16	74.0	32.84	142	10
3	2389.375	65.50	27.64	5.02	48.20	49.96	74.0	24.04	156	0
4	2543.125	59.60	27.50	5.19	48.13	44.16	74.0	29.84	254	102
----- VERTICAL -----										
5	1811.875	55.60	25.35	4.34	48.01	37.28	74.0	36.72	187	358
6	5915.000	49.30	32.33	8.10	45.65	44.08	74.0	29.92	150	358





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (1 ~ 6) GHz Average _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

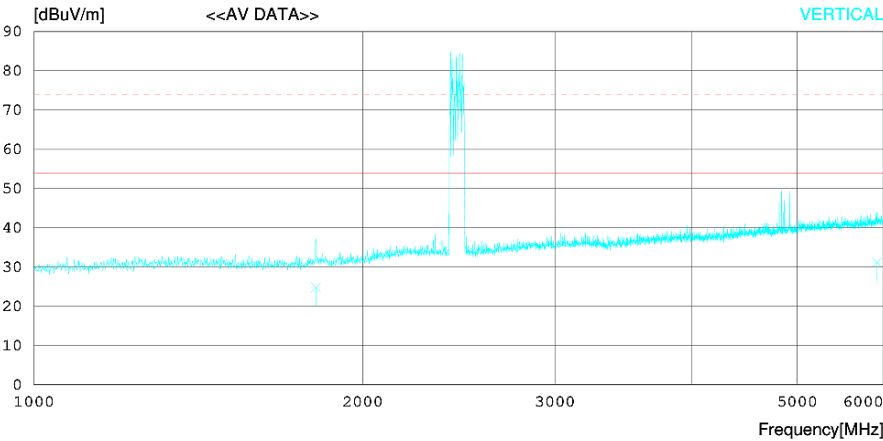
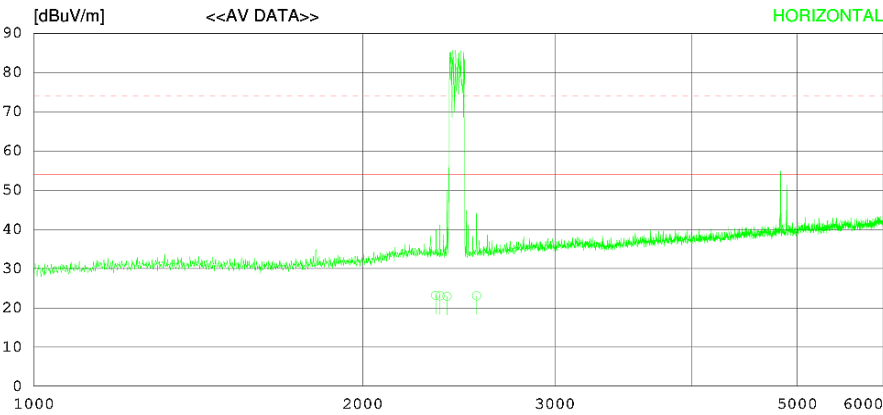
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor
1. ANT_9120D_1014_25.08.01
Cable Loss
1. #27, #28, #29_Assemble_1G-6G_2025-11-11
Pre Amp Gain
1. AMP_MLA-100M18-B01-42_1872271_2025.08.01



- Remarks : (2,402 ~ 2,480) MHz is Bluetooth frequency.
(4,804 ~ 4,960) MHz is harmonics of fundamental.





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

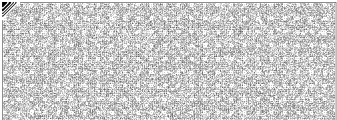
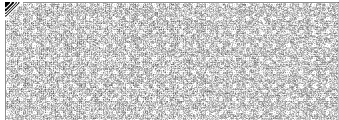
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor
1. ANT_9120D_1014_25.08.01
Cable Loss
1. #27, #28, #29_Assemble_1G-6G_2025-11-11
Pre Amp Gain
1. AMP_MLA-100M18-B01-42_1872271_2025.08.01

No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	2333.551	38.60	27.83	4.96	48.20	23.19	54.00	30.81	125	163
2	2354.929	38.50	27.78	4.98	48.20	23.06	54.00	30.94	168	201
3	2389.867	38.50	27.64	5.02	48.20	22.96	54.00	31.04	143	213
4	2543.561	38.50	27.50	5.20	48.13	23.07	54.00	30.93	138	76
----- VERTICAL -----										
5	1812.379	43.20	25.35	4.34	48.01	24.88	54.00	29.12	132	251
6	5915.536	36.40	32.33	8.10	45.65	31.18	54.00	22.82	127	192





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (6 ~ 18) GHz Peak _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

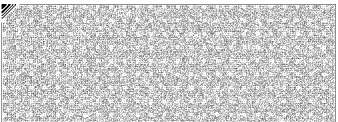
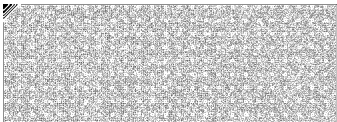
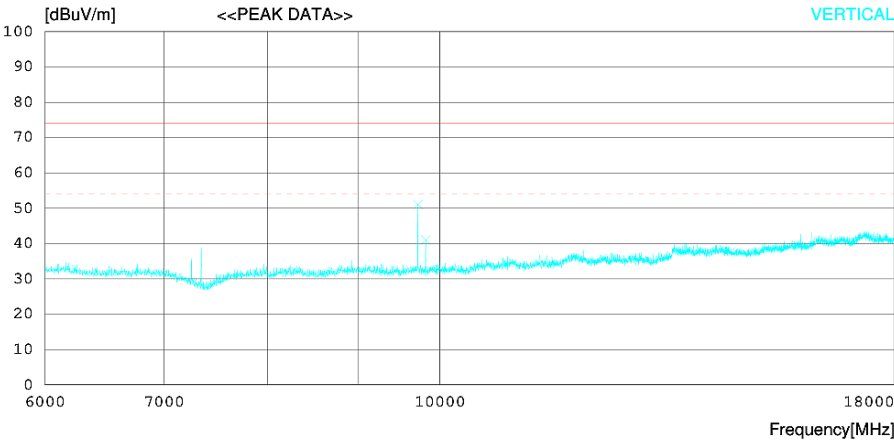
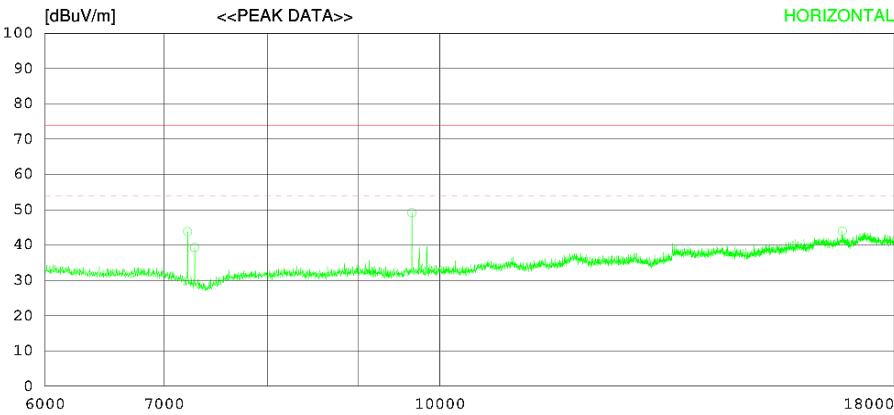
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor
1. EMC-233-A_EM-6969_156_2025.12.17
Cable Loss
1. #27, #28_Assemble_6G-18G_2025-11-11
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2025.12.17





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

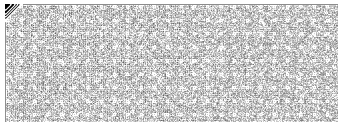
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor
1. EMC-233-A_EM-6969_156_2025.12.17
Cable Loss
1. #27, #28_Assemble_6G-18G_2025-11-11
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2025.12.17

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	7216.500	44.80	31.00	8.29	40.27	43.82	74.0	30.18	157	63
2	7282.500	40.90	31.00	8.34	40.93	39.31	74.0	34.69	112	71
3	9643.500	45.60	31.59	9.43	37.47	49.15	74.0	24.85	131	225
4	16824.000	30.40	36.55	12.67	35.64	43.98	74.0	30.02	167	333
----- VERTICAL -----										
5	9720.000	47.50	31.60	9.44	37.46	51.08	74.0	22.92	120	293
6	9816.000	37.40	31.60	9.48	37.44	41.04	74.0	32.96	125	0





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (6 ~ 18) GHz Average _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

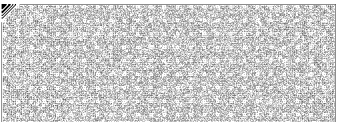
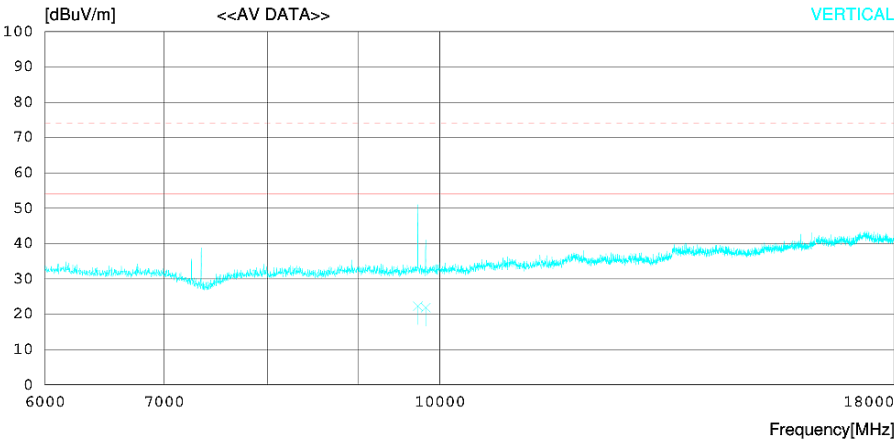
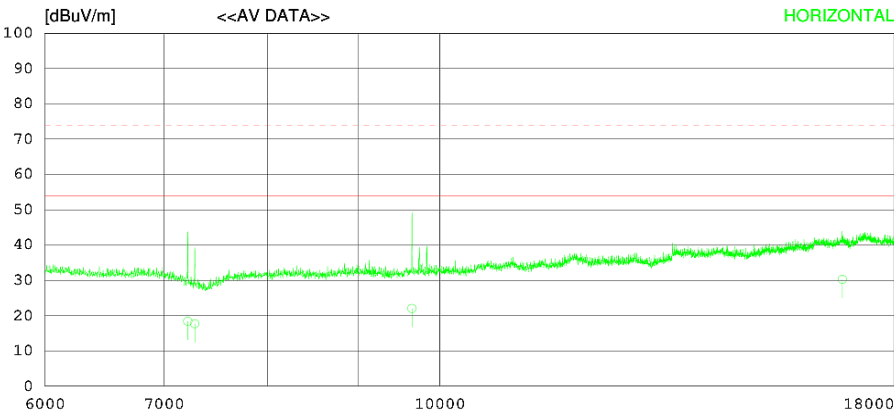
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor
1. EMC-233-A_EM-6969_156_2025.12.17
Cable Loss
1. #27, #28_Assemble_6G-18G_2025-11-11
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2025.12.17





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

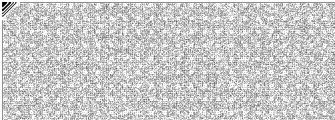
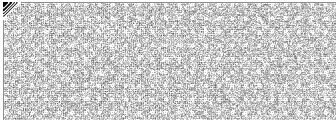
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor
1. EMC-233-A_EM-6969_156_2025.12.17
Cable Loss
1. #27, #28_Assemble_6G-18G_2025-11-11
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2025.12.17

No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	7217.221	19.40	31.00	8.29	40.27	18.42	54.00	35.58	152	127
2	7283.095	19.30	31.00	8.34	40.93	17.71	54.00	36.29	137	212
3	9643.786	18.50	31.59	9.43	37.47	22.05	54.00	31.95	144	341
4	16824.590	16.70	36.55	12.67	35.64	30.28	54.00	23.72	115	86
----- VERTICAL -----										
5	9719.438	18.70	31.60	9.44	37.46	22.28	54.00	31.72	117	254
6	9815.908	18.20	31.60	9.48	37.44	21.84	54.00	32.16	131	106





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (18 ~ 40) GHz Peak _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

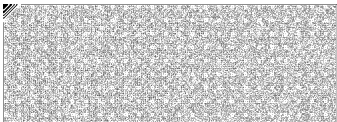
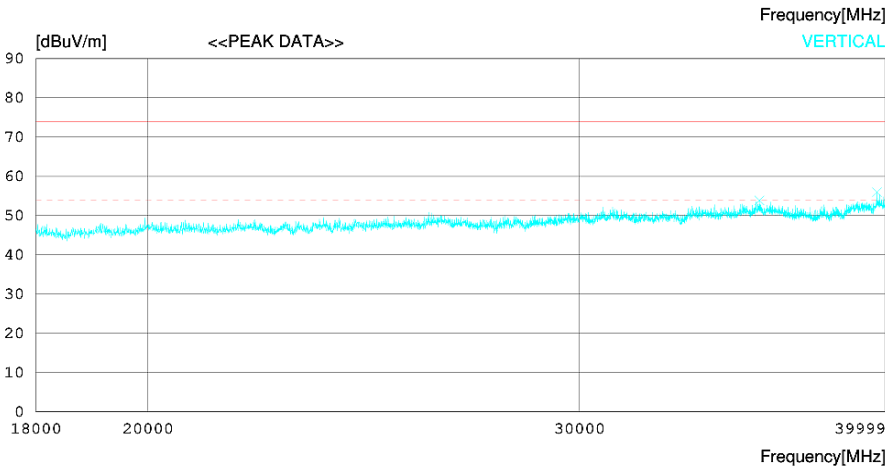
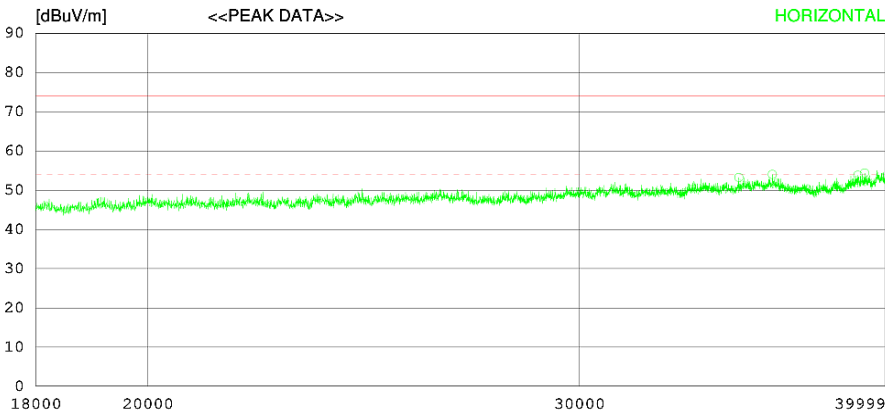
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

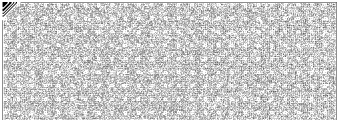
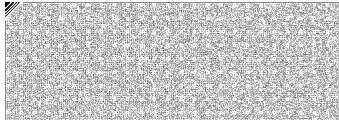
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	34849.250	36.60	47.40	25.96	56.72	53.24	74.0	20.76	157	358
2	35960.250	38.30	46.94	26.62	57.87	53.99	74.0	20.01	142	358
3	38971.500	35.70	46.20	28.56	56.65	53.81	74.0	20.19	147	358
4	39219.000	36.00	46.32	28.42	56.38	54.36	74.0	19.64	110	358
----- VERTICAL -----										
5	35523.000	37.50	47.10	26.79	57.52	53.87	74.0	20.13	132	175
6	39675.500	36.90	46.68	28.24	55.82	56.00	74.0	18	129	0





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Radiated emissions at (18 ~ 40) GHz Average _ Measurement data			
EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

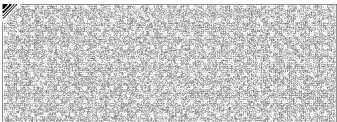
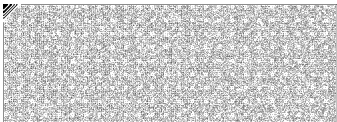
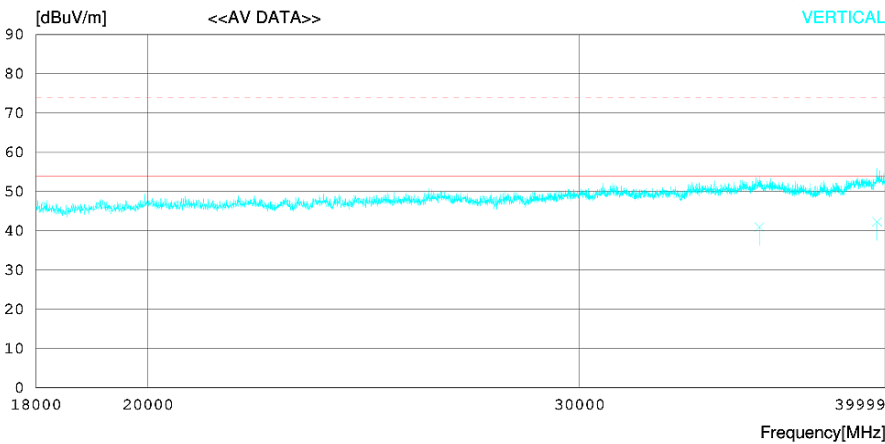
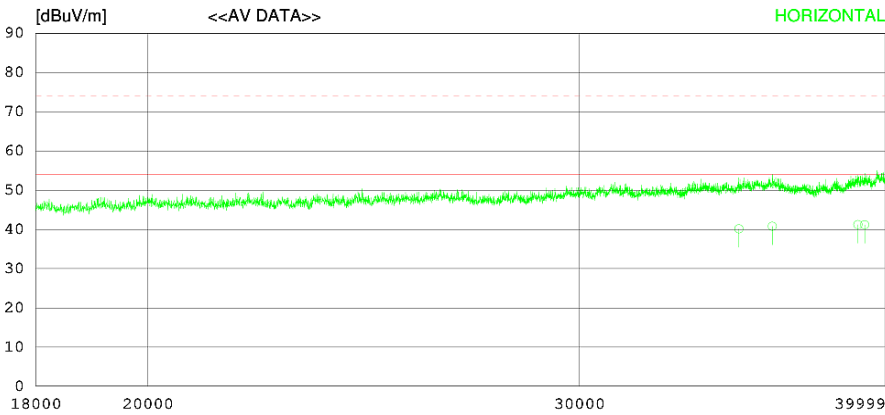
Date 2026-02-09

Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



Date 2026-02-09

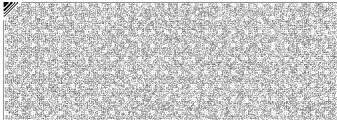
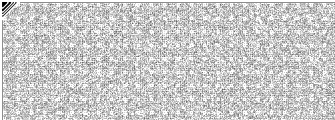
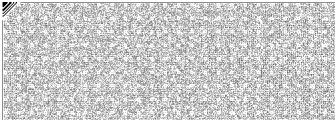
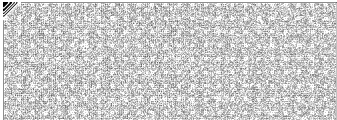
Order No. DTNC2601-00320
Power Supply AC 120 V 60 Hz
Temp/Humi 12 'C 24 % R.H.
Test Condition Bluetooth + Charging

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01

No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	34848.630	23.50	47.40	25.96	56.72	40.14	54.00	13.86	134	358
2	35960.060	25.10	46.94	26.62	57.87	40.79	54.00	13.21	131	358
3	38972.270	23.10	46.20	28.56	56.64	41.22	54.00	12.78	147	358
4	39218.290	22.80	46.32	28.43	56.38	41.17	54.00	12.83	204	358
----- VERTICAL -----										
5	35522.290	24.60	47.10	26.79	57.52	40.97	54.00	13.03	120	143
6	39676.350	23.20	46.68	28.24	55.82	42.30	54.00	11.70	116	291





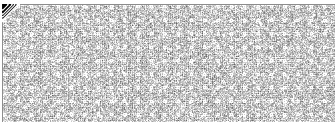
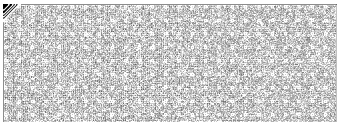
Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



7.3 Antenna Power Conduction

ANSI C63.4	Antenna power conduction		Result
<u>Method:</u> Power on the receive antenna terminals was to be determined by measurement of the voltage present at these terminals. Antenna conducted power measurements was performed with the EUT antenna terminals connected directly to measuring instrument using a impedance-Matching network to connect the measurement Instrument to the antenna terminals of the EUT. The losses in decibels in impedance-matching network and cables was added to the measured values in dBμV. The measurements were repeated with the receiver tuned to a frequency until all of frequencies had been successively measured. Power in the receive antenna terminals in the ratio of V ² /R, where V is the loss-corrected voltage measured at the antenna terminals, and R is the impedance of the measuring instrument			Not Applicable
Fully configured sample scanned over the following frequency range	Frequency range on each side of line	Limit	
	30 MHz to 1 000 MHz	2 nW (50 dBμV)	
	54 MHz to 300 MHz 300 MHz to 450 MHz 450 MHz to 804 MHz	-26 dBmV (34 dBμV) -20 dBmV (40 dBμV) -15 dBmV (45 dBμV)	
	Measurement Point	Tuner port	
EUT mode (Refer to clauses 4)	EUT Operation mode	N/A	

Measurement Instrument					
Description	Model	Manufacturer	Identifier	Cal. Due Date	Cal. Cycle
-	-	-	-	-	-





Report No.: DREKFCC2603-0029
(FCC ID : 2A78WGLO / IC : 28870-GLO)



8. Revision History

Date	Report No. (Order No.)	Description	Revised By	Reviewed By
Mar. 10. 2026.	DREKFCC2603-0029 (DTNC2601-00320)	Initial report	HyeonDong Son	HyungJun Kim

-End of test report-

