

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 : DREKFCC2601-0001

2. Customer

- Name : Cobra Electronics Corporation
- Address : 1701 Golf Road, Suite 3-900, Rolling Meadows, IL 60008, U.S.A.

3. Use of Report : Grant of Certification

4. Product Name / Model Name : Radar Detector with Bluetooth / RAD 490i
(FCC ID : BBOLESS01)

5. Test Method Used : ANSI C63.4:2014
FCC Part 15 Subpart B
(Radar Detector)

6. Date of Test : Dec. 02. 2025 ~ Dec. 04. 2025

7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing
(Address : Refer to the attached)

8. Testing Environment : Temperature (16 ~ 17) °C , Humidity (37 ~ 38) % 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.

Jan. 07. 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

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.....	8
7. Test Results : Emission.....	9
7.1 Conducted Emissions	9
7.2 Radiated Emissions	19
7.3 Antenna Power Conduction	77
8. Revision History.....	79

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.dtnc.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	Cobra Electronics Corporation 1701 Golf Road, Suite 3-900, Rolling Meadows, IL 60008, U.S.A.
Manufacturer	BG T&A Co. 5~6F, 153-18, LS-ro, Gunpo-si, Gyeonggi-do, 15808, Rep. of KOREA
Factory	BAEK GEUM PHILIPPINES CORPORATION Unit 1,2 & 3 Orient Goldcrest Calamba Premiere Industrial Park Bldg.1 Lot 1 Block 4 Brgy. Batino, 4027 Calamba City, Laguna, Philippines
Product Name	Radar Detector with Bluetooth
Model Name	RAD 490i
Add Model Name	N/A
Add Model Difference	N/A
Software Version	M0.1.0.4
Hardware Version	REV.D
RF Module Name	N/A
Maximum Internal Frequency	11380 MHz
Classification	☐ Class A ☒ Class B
Rated Power	DC 5 V
FCC ID	BBOLESS01
Remarks	Wireless Frequency - Bluetooth : 2 402 ~ 2 480 MHz - RADAR : X band 10 475 ~ 10 575 MHz, K band 24 000 ~ 24 250 MHz Ka band 33 400 ~ 36 000 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	X-BAND	EUT is connected to the adapter via USB C port and is powered. The EUT is in X-BAND signal standby and will check and test it on the front display.
2	K-BAND	The EUT is connected to the adapter via USB C port and is powered. The EUT is in K-BAND signal standby and will check and test it on the front display.
3	Ka-BAND	The EUT is connected to the adapter via USB C port and is powered. The EUT is in Ka-BAND signal standby and will check and test it on the front display.
4	PC LINK	The EUT is connected to the laptop via USB C port and is powered. Tested by checking the log of the EUT with the 'Downloader' program on the laptop.

4.3 Supported Equipment

Used*	Product Type	Model	Manufacturer	Remarks
AE	Laptop	13Z980	LG Electronics Inc.	N/A
AE	Laptop Adapter	ADS-48MSP-19	Shenzhen Honor Electronic Co.,Ltd.	N/A
AE	Adapter	MC-450	AcBel Electronic(WuHan) 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
<MODE 1~3>					
EUT	USB C	Adapter	USB C	1.6	Non-shielded
Adapter	AC IN	AC MAINS	AC OUT	-	-
<MODE 4>					
EUT	USB C	Laptop	USB C	1.6	Non-shielded
Laptop	DC IN	Laptop Adapter	DC OUT	1.8	Non-shielded
Laptop Adapter	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	1.6	Non-shielded	Plastic	Adapter or Laptop

* Abbreviations:
AC: AC power port DC: DC power port N/E: None-Electrical
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	C
Radiated Emissions	ANSI C63.4: 2014	C
Antenna Power Conduction	ANSI C63.4: 2014	N/A (Note 1)
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 [dB μ V]	Detector	Limit [dB μ V]	Margin [dB]
0.47142	L	41.92	Quasi - Peak	56.49	14.57

- Radiated Emissions

Frequency [MHz]	Pol.	Result [dB μ V/m]	Detector	Limit [dB μ V/m]	Margin [dB]
162.402	V	39.72	Quasi - Peak	43.50	3.78

- Antenna Power Conduction

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

6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (℃)	Humidity (% R.H.)	Pressure (kPa)
Conducted Emissions	2025-12-04	16	37	101.3
Radiated Emissions	2025-12-02	17	38	-

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 ~ 4	
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	

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)

Conducted disturbance at mains terminal _ Measurement data

EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humid/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition X-BAND

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

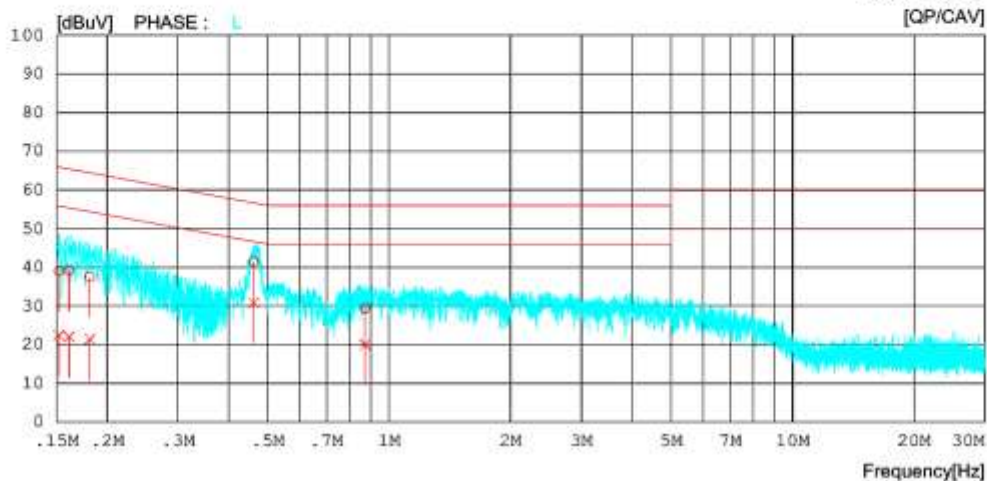
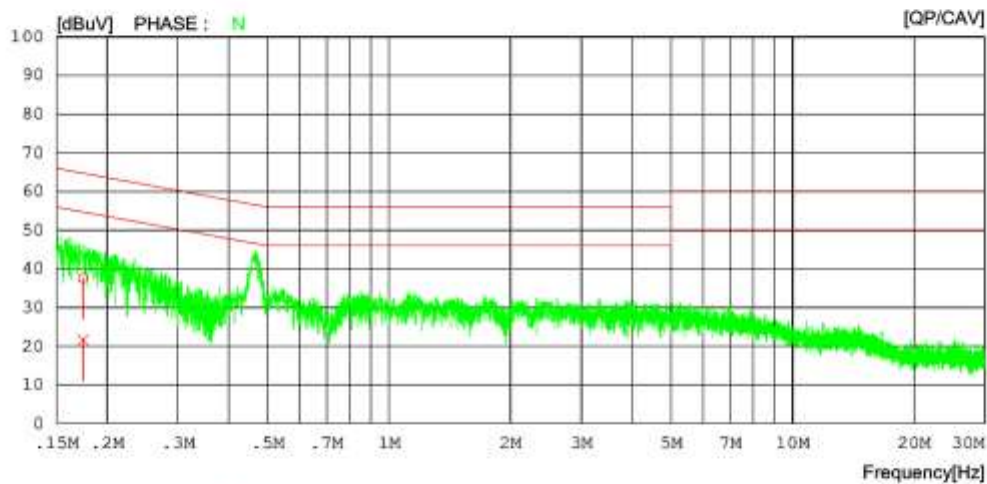
2. EMC-438_ENV216_101979_2025.11.27_L_150k_ON

Cable Loss

1. C1_LISN TO RECEIVER_0.009-30MHz_2025-06-13

Pulse Limiter

1. EMC-667_ESH3-Z2_103297_2025.07.09



Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition X-BAND

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 Limiter
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	0.17454	17.72	1.76	19.85	37.57	21.61	64.74	54.74	27.17	33.13	N
2	0.15201	19.33	2.75	19.71	39.04	22.46	65.89	55.89	26.85	33.43	L
3	0.16115	19.38	2.25	19.77	39.15	22.02	65.40	55.40	26.25	33.38	L
4	0.18137	17.66	1.57	19.84	37.50	21.41	64.42	54.42	26.92	33.01	L
5	0.46160	21.46	10.87	19.99	41.45	30.86	56.66	46.66	15.21	15.80	L
6	0.87191	9.42	0.13	19.90	29.32	20.03	56.00	46.00	26.68	25.97	L

Conducted disturbance at mains terminal _ Measurement data

EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humid/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition K-BAND

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

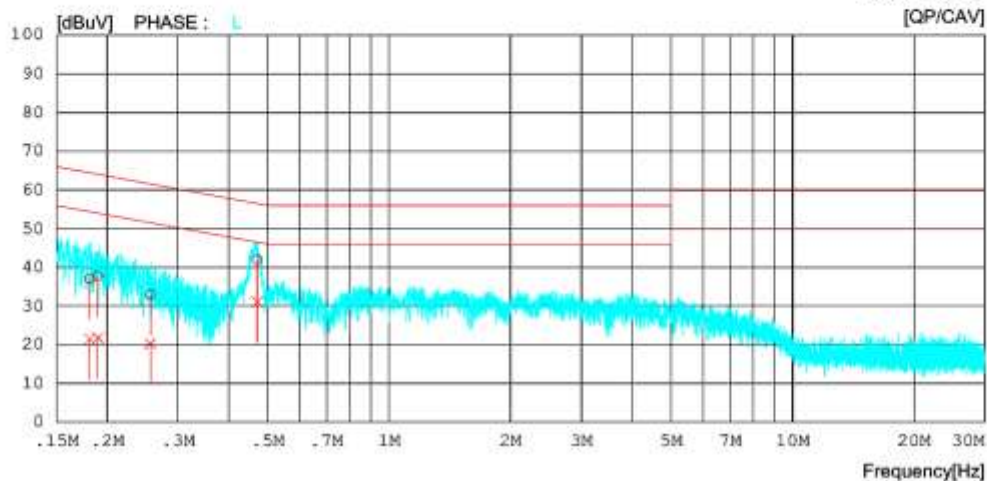
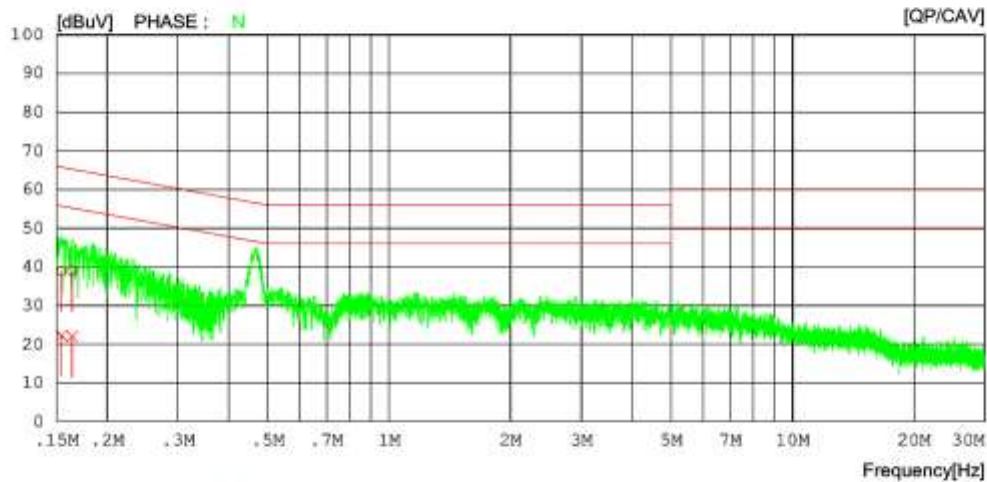
2. EMC-438_ENV216_101979_2025.11.27_L_150k_ON

Cable Loss

1. C1_LISN TO RECEIVER_0.009-30MHz_2025-06-13

Pulse Lmitter

1. EMC-667_ESH3-Z2_103297_2025.07.09



Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition K-BAND

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	0.15410	19.12	2.47	19.80	38.92	22.27	65.78	55.78	26.86	33.51	N
2	0.16390	19.12	2.18	19.82	38.94	22.00	65.26	55.26	26.32	33.26	N
3	0.18114	17.17	1.65	19.84	37.01	21.49	64.43	54.43	27.42	32.94	L
4	0.18982	17.86	1.95	19.85	37.71	21.80	64.04	54.04	26.33	32.24	L
5	0.25608	13.20	0.60	19.68	32.88	20.28	61.56	51.56	28.68	31.28	L
6	0.47142	21.93	11.07	19.99	41.92	31.06	56.49	46.49	14.57	15.43	L

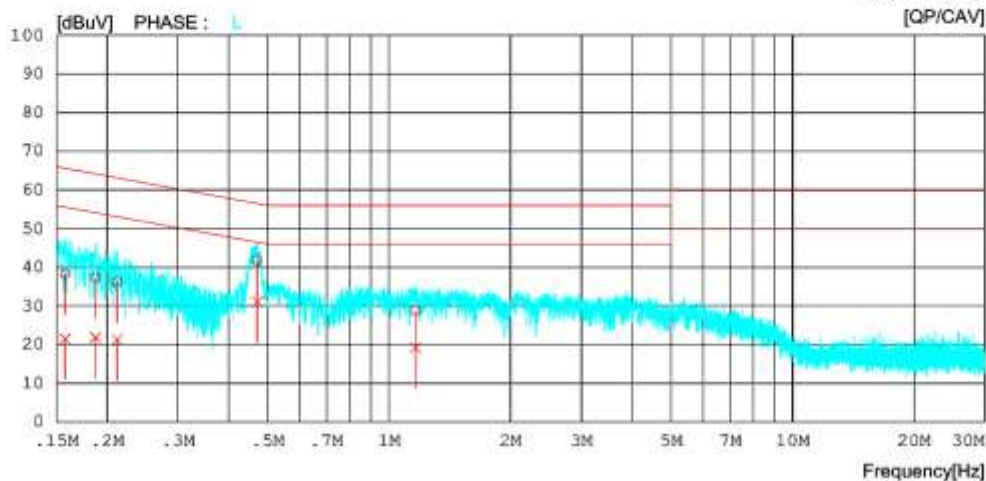
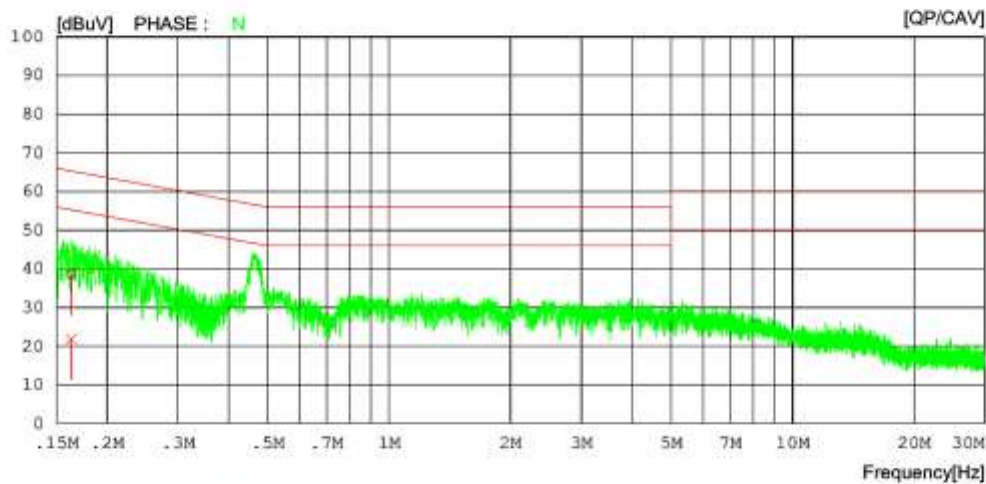
Conducted disturbance at mains terminal _ Measurement data			
EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humid/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition Ka-BAND

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 Limiter
1. EMC-667_ESH3-Z2_103297_2025.07.09



Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition Ka-BAND

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 Limiter
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	0.16299	18.78	2.08	19.82	38.60	21.90	65.31	55.31	26.71	33.41	N
2	0.15750	18.55	1.78	19.75	38.30	21.53	65.59	55.59	27.29	34.06	L
3	0.18731	17.41	2.02	19.84	37.25	21.86	64.16	54.16	26.91	32.30	L
4	0.21187	16.45	1.51	19.81	36.26	21.32	63.13	53.13	26.87	31.81	L
5	0.47120	21.77	11.04	19.99	41.76	31.03	56.49	46.49	14.73	15.46	L
6	1.16378	9.03	-0.59	19.83	28.86	19.24	56.00	46.00	27.14	26.76	L

Conducted disturbance at mains terminal _ Measurement data

EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humid/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition PC LINK

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

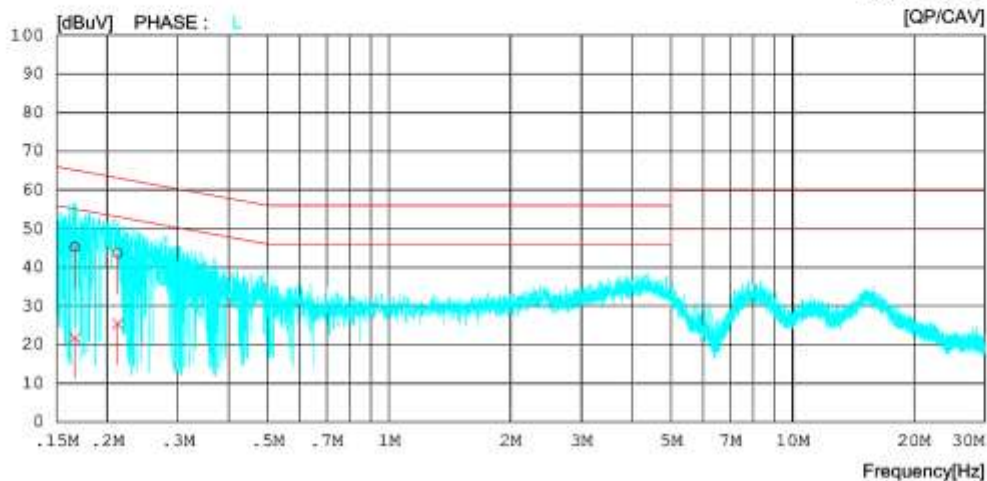
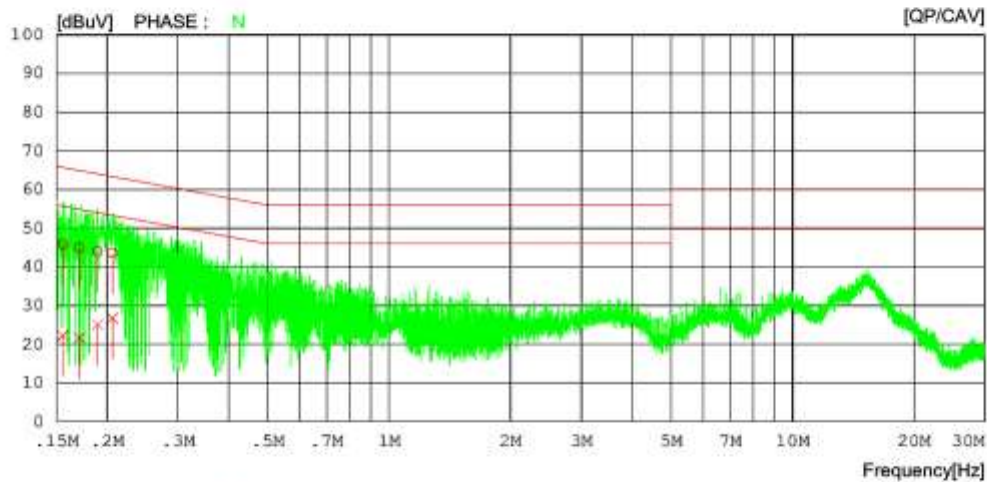
2. EMC-438_ENV216_101979_2025.11.27_L_150k_ON

Cable Loss

1. C1_LISN TO RECEIVER_0.009-30MHz_2025-06-13

Pulse Limiter

1. EMC-667_ESH3-Z2_103297_2025.07.09



Date 2025-12-04

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi/Atm 16 °C 37 % R.H. 101.3 kPa
Test Condition PC LINK

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 Limiter
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	0.15541	26.02	2.45	19.81	45.83	22.26	65.71	55.71	19.88	33.45	N
2	0.17092	25.14	1.86	19.83	44.97	21.69	64.92	54.92	19.95	33.23	N
3	0.18950	24.06	5.18	19.92	43.98	25.10	64.06	54.06	20.08	28.96	N
4	0.20626	23.69	6.78	19.92	43.61	26.70	63.35	53.35	19.74	26.65	N
5	0.16634	25.46	1.99	19.80	45.26	21.79	65.14	55.14	19.88	33.35	L
6	0.21250	23.87	5.55	19.81	43.68	25.36	63.11	53.11	19.43	27.75	L

7.2 Radiated Emissions

ANSI C63.4	Radiated Emissions for 30 MHz ~ 40 GHz**			Result
Method: 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 ~ 4	
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		

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	2025-12-17	1 YEAR
LOW NOISE PRE AMPLIFIER	MLA-0618-B03-34	TSJ	1785642	2025-12-12	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 ($20\log(3/3) = 0$ dB) was applied.

Radiated emissions at (30 ~ 1 000) MHz _ Measurement data

EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

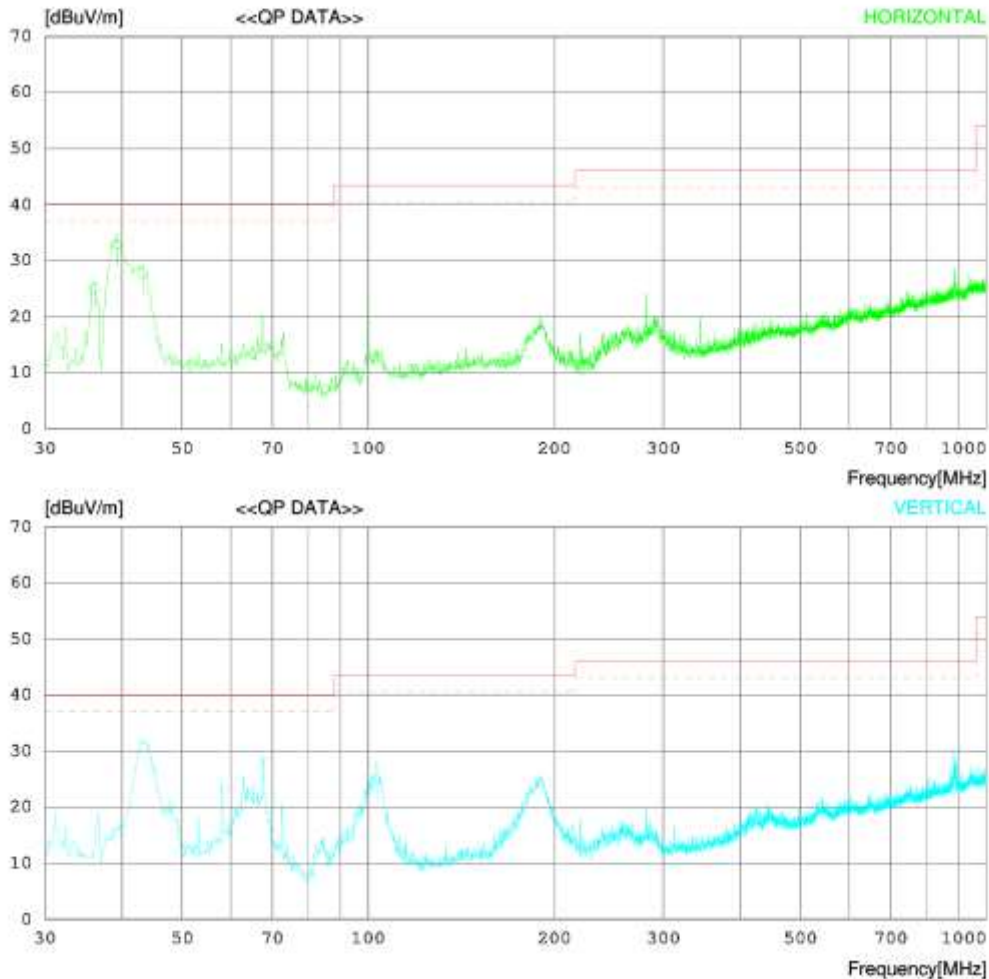
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition X-BAND

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	QP [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	36.063	34.30	17.41	0.49	27.23	24.97	40.00	15.03	342	338
2	39.215	41.90	17.70	0.51	27.25	32.86	40.00	7.14	353	105
3	43.216	36.50	17.92	0.54	27.27	27.69	40.00	12.31	376	198
----- VERTICAL -----										
4	67.587	37.70	16.88	0.65	27.30	27.93	40.00	12.07	152	213
5	103.113	35.70	15.42	0.75	27.30	24.57	43.50	18.93	167	173
6	883.305	20.30	29.16	2.12	26.90	24.68	46.00	21.32	134	205

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

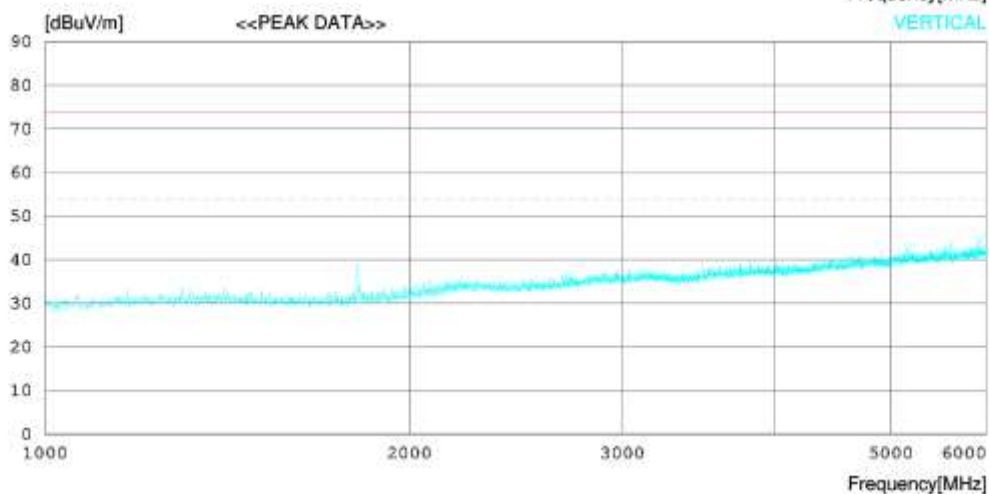
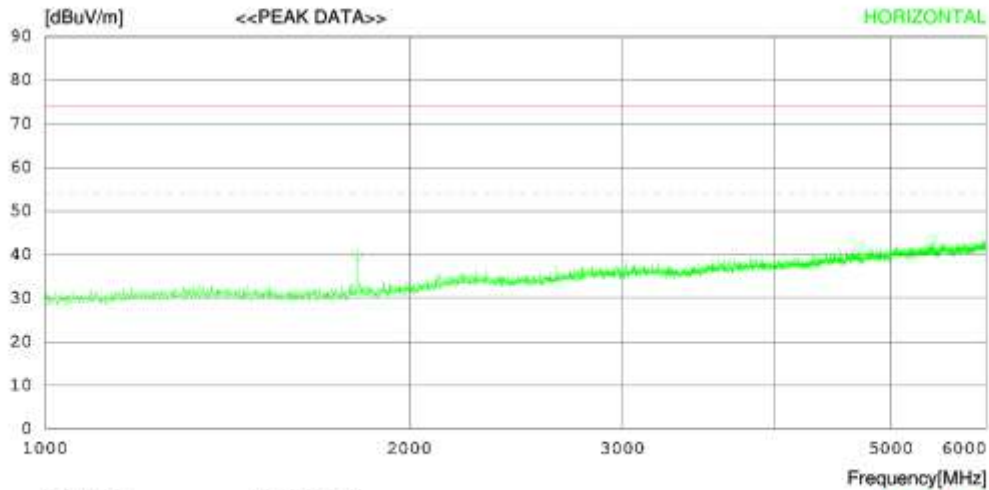
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	1812.500	58.10	25.35	4.35	48.01	39.79	74.0	34.21	327	283
2	4703.750	50.90	31.21	7.23	47.60	41.74	74.0	32.26	254	5
3	5410.625	50.10	31.62	7.75	46.15	43.32	74.0	30.68	198	357
----- VERTICAL -----										
4	5158.125	49.90	31.85	7.58	46.86	42.47	74.0	31.53	221	358
5	5601.875	49.70	31.70	7.87	45.84	43.43	74.0	30.57	216	86
6	5916.250	49.60	32.33	8.10	45.65	44.38	74.0	29.62	205	358

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

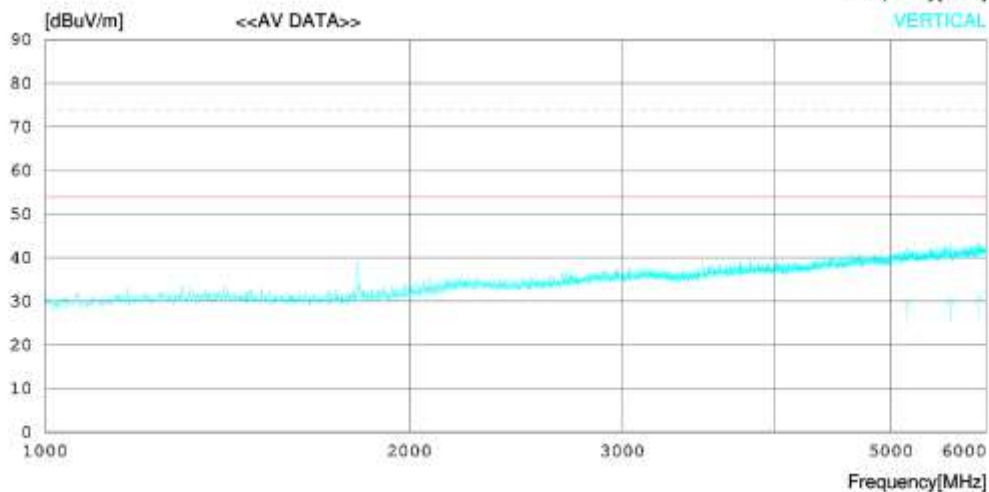
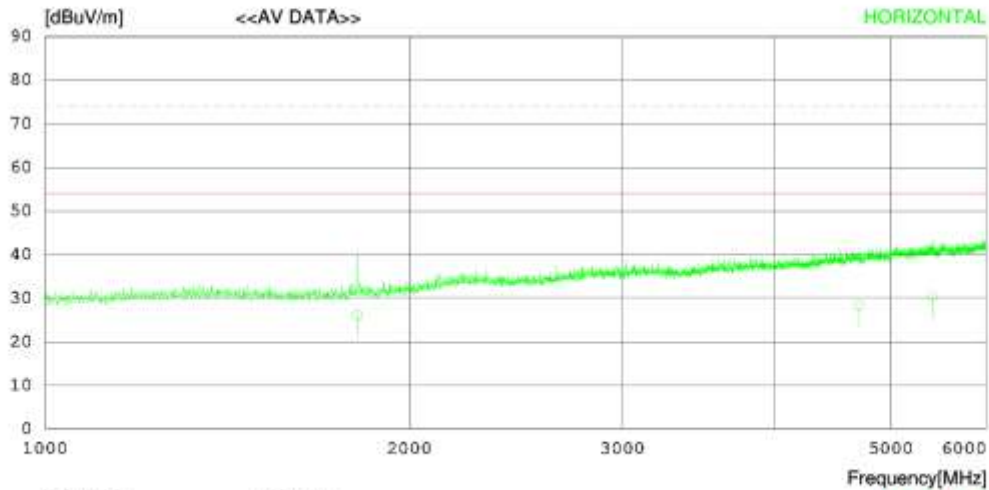
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	1812.623	44.40	25.35	4.35	48.01	26.09	54.00	27.91	287	241
2	4703.411	37.40	31.21	7.23	47.60	28.24	54.00	25.76	341	84
3	5410.125	37.10	31.62	7.75	46.15	30.32	54.00	23.68	335	293
----- VERTICAL -----										
4	5158.422	37.00	31.85	7.58	46.86	29.57	54.00	24.43	162	241
5	5601.513	36.30	31.70	7.87	45.84	30.03	54.00	23.97	145	106
6	5916.250	36.20	32.33	8.10	45.65	30.98	54.00	23.02	151	287

Radiated emissions at (6 ~ 18) GHz Peak _ Measurement data

EUT operation mode			1
Test voltage (V)	AC 120	Test frequency (Hz)	60

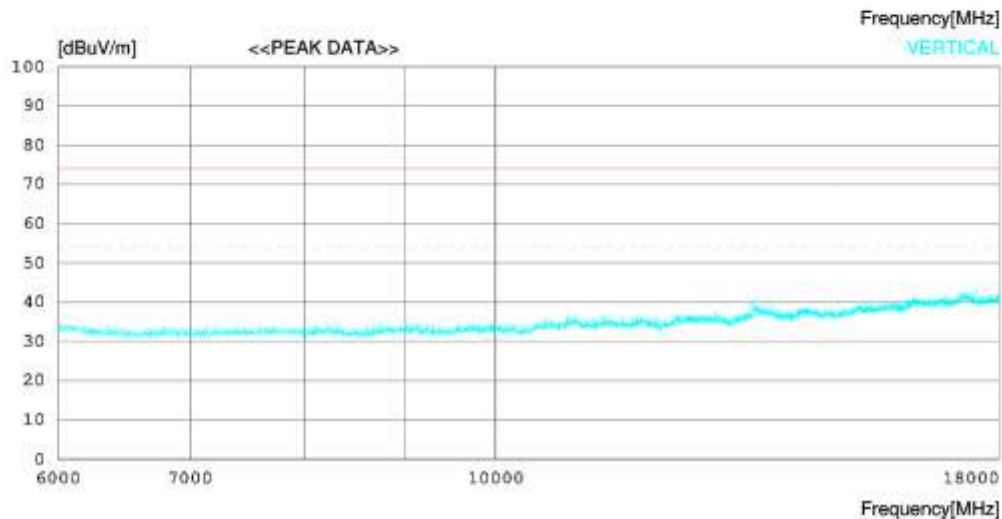
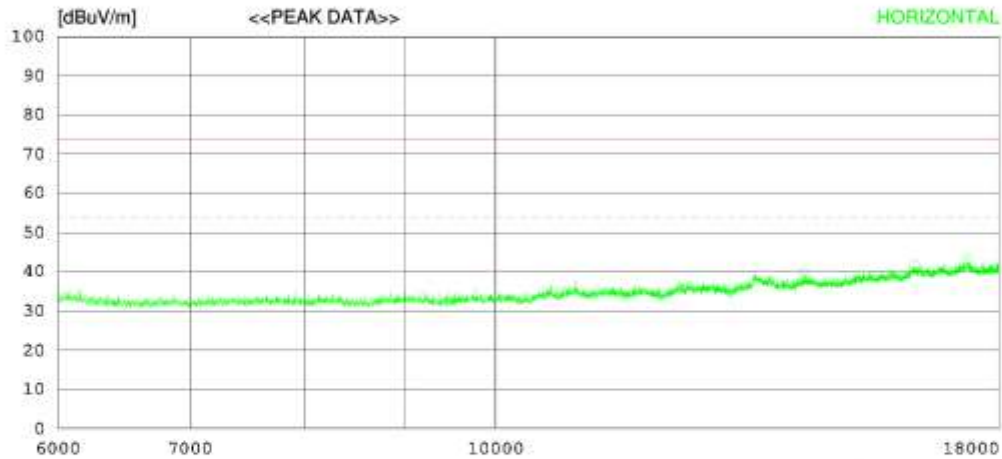
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	14331.000	31.40	33.80	11.85	37.24	39.81	74.0	34.19	189	119
2	16291.500	30.40	35.18	12.65	36.38	41.85	74.0	32.15	159	358
3	17335.500	29.80	37.10	12.68	36.47	43.11	74.0	30.89	287	357
----- VERTICAL -----										
4	13500.000	32.90	33.30	11.39	37.54	40.05	74.0	33.95	378	17
5	13773.000	32.60	33.40	11.43	37.44	39.99	74.0	34.01	342	328
6	17505.000	30.30	36.99	12.73	36.68	43.34	74.0	30.66	304	0

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

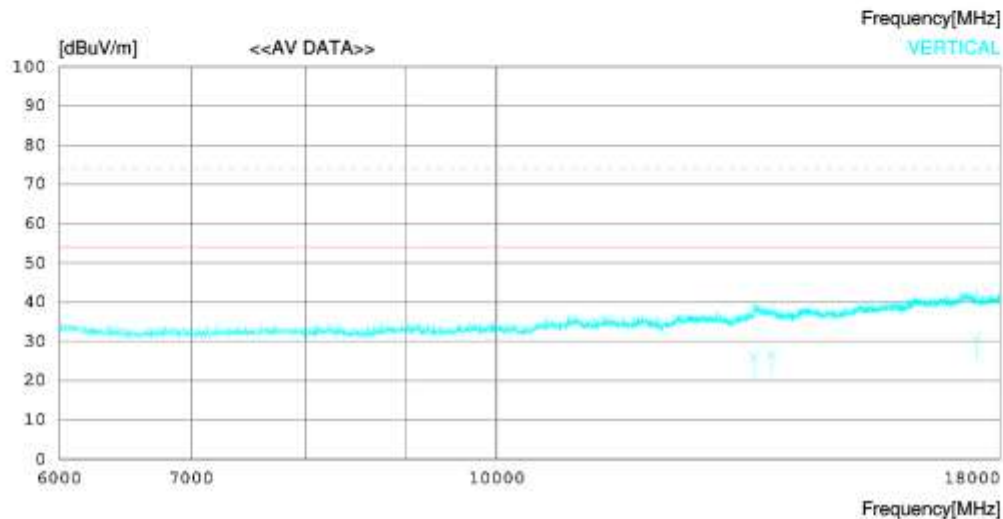
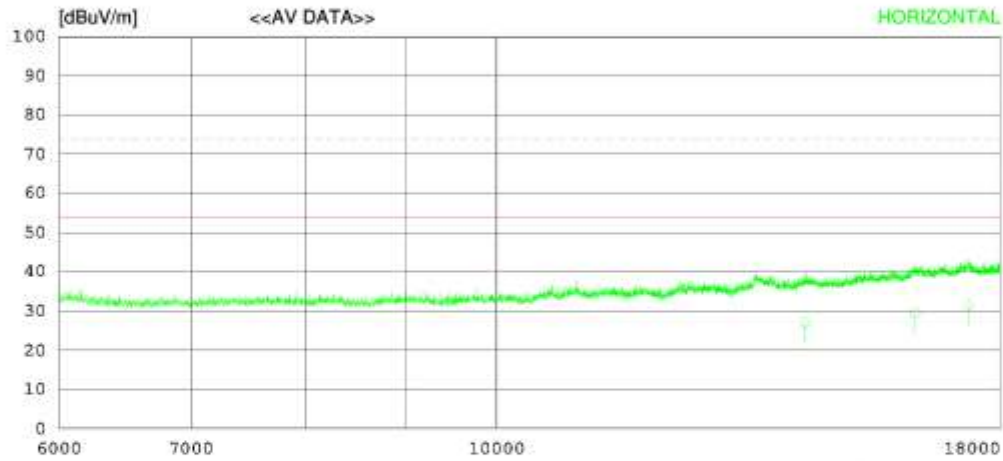
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	14331.540	18.70	33.80	11.85	37.24	27.11	54.00	26.89	315	246
2	16291.870	18.20	35.18	12.65	36.37	29.66	54.00	24.34	276	124
3	17335.200	18.10	37.10	12.68	36.47	31.41	54.00	22.59	352	283
----- VERTICAL -----										
4	13499.750	19.20	33.30	11.39	37.54	26.35	54.00	27.65	132	139
5	13773.430	19.30	33.40	11.43	37.44	26.69	54.00	27.31	165	277
6	17505.210	18.00	36.99	12.73	36.68	31.04	54.00	22.96	144	245

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

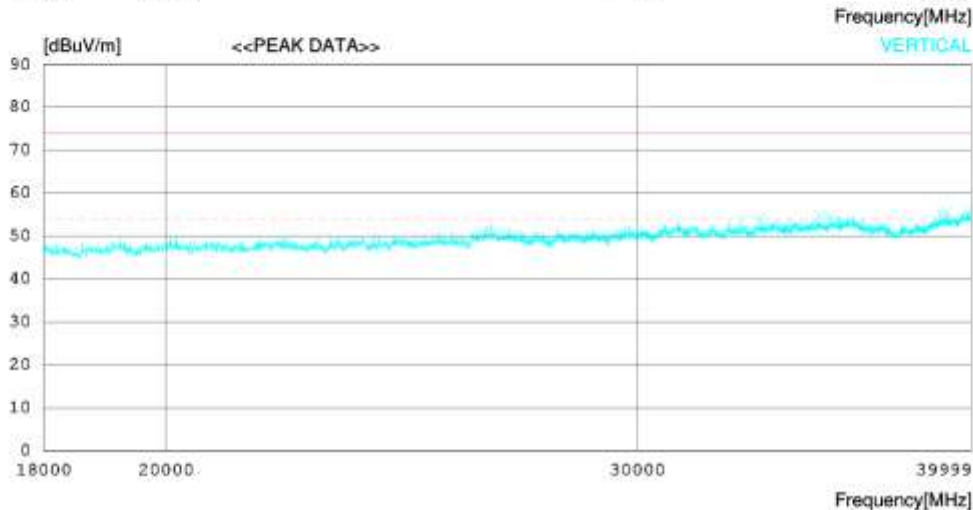
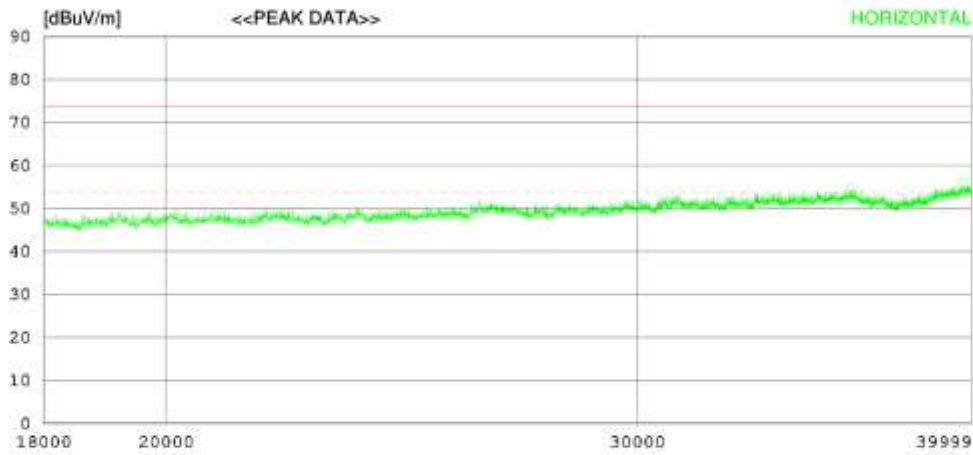
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	36089.500	38.50	46.90	27.37	57.95	54.82	74.0	19.18	200	138
2	39667.250	36.40	46.67	28.91	55.83	56.15	74.0	17.85	312	0
----- VERTICAL -----										
3	33347.750	36.70	47.35	26.24	55.94	54.35	74.0	19.65	284	354
4	35094.000	37.70	47.30	26.86	57.01	54.85	74.0	19.15	307	358
5	35407.500	37.70	47.19	27.20	57.39	54.70	74.0	19.3	198	221
6	38902.750	37.40	46.20	28.67	56.76	55.51	74.0	18.49	156	126
7	39133.750	36.90	46.30	28.81	56.47	55.54	74.0	18.46	297	282
8	39890.000	35.70	46.89	28.93	55.48	56.04	74.0	17.96	354	358

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

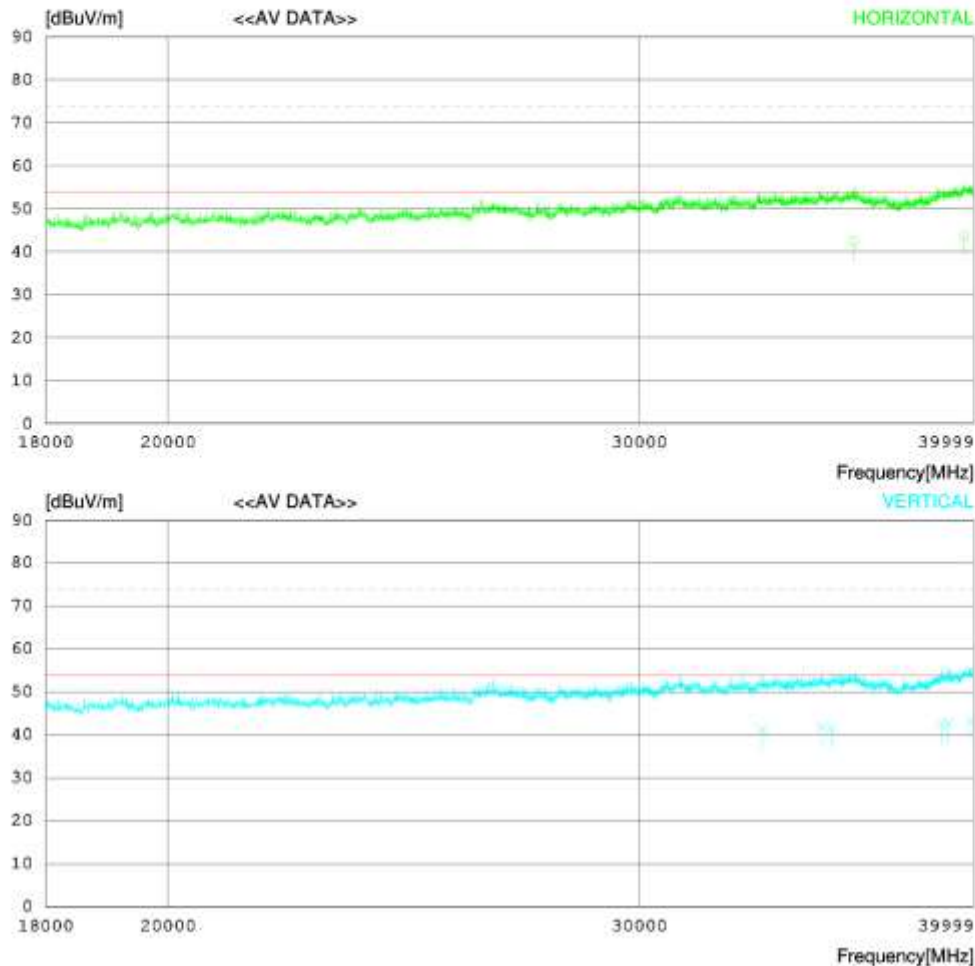
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition X-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor

1. ANT_3116C_00240008_2025.08.01

Cable Loss

1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19

2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	36089.100	26.20	46.90	27.37	57.95	42.52	54.00	11.48	326	198
2	39666.920	24.00	46.67	28.91	55.83	43.75	54.00	10.25	354	43
----- VERTICAL -----										
3	33347.360	23.70	47.35	26.23	55.94	41.34	54.00	12.66	132	354
4	35093.400	24.80	47.30	26.86	57.01	41.95	54.00	12.05	175	278
5	35406.960	24.70	47.19	27.20	57.39	41.70	54.00	12.30	143	196
6	38902.590	24.50	46.20	28.67	56.76	42.61	54.00	11.39	138	153
7	39132.860	24.20	46.30	28.81	56.47	42.84	54.00	11.16	156	243
8	39890.760	23.00	46.89	28.93	55.47	43.35	54.00	10.65	152	335

Radiated emissions at (30 ~ 1 000) MHz _ Measurement data

EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

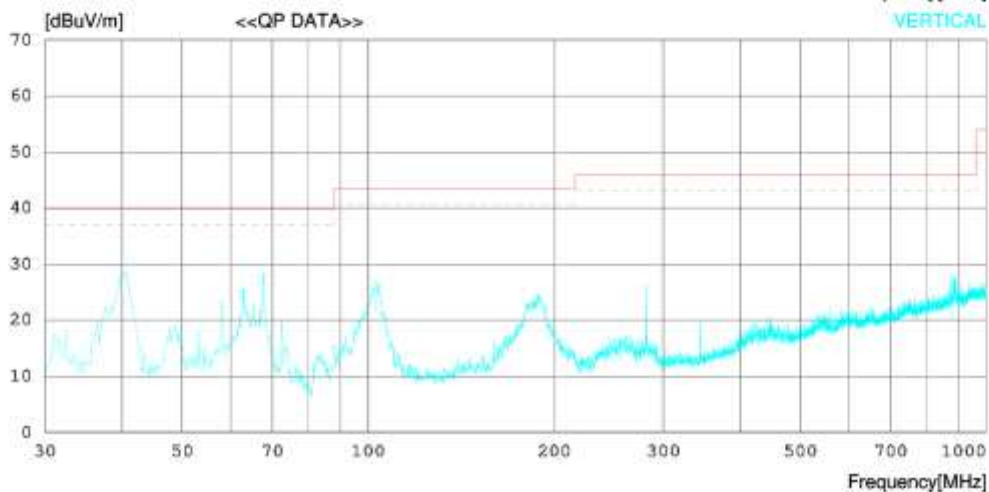
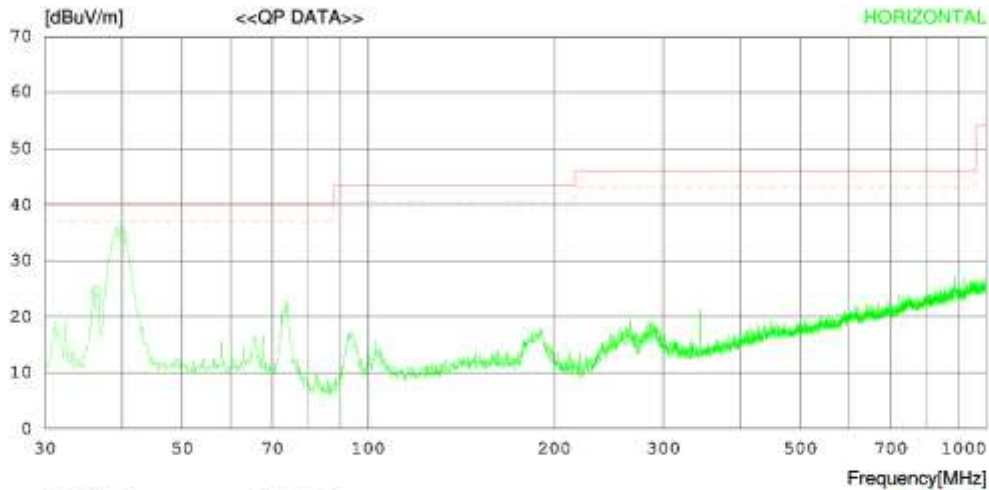
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

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	36.305	33.80	17.43	0.49	27.23	24.49	40.00	15.51	348	128
2	40.185	43.40	17.72	0.52	27.25	34.39	40.00	5.61	365	114
----- VERTICAL -----										
3	62.738	33.70	17.47	0.63	27.30	24.50	40.00	15.50	131	332
4	67.587	37.10	16.88	0.65	27.30	27.33	40.00	12.67	137	105
5	102.749	36.40	15.35	0.75	27.30	25.20	43.50	18.30	154	97
6	878.211	19.60	29.14	2.11	26.90	23.95	46.00	22.05	126	175

Radiated emissions at (1 ~ 6) GHz Peak _ Measurement data

EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

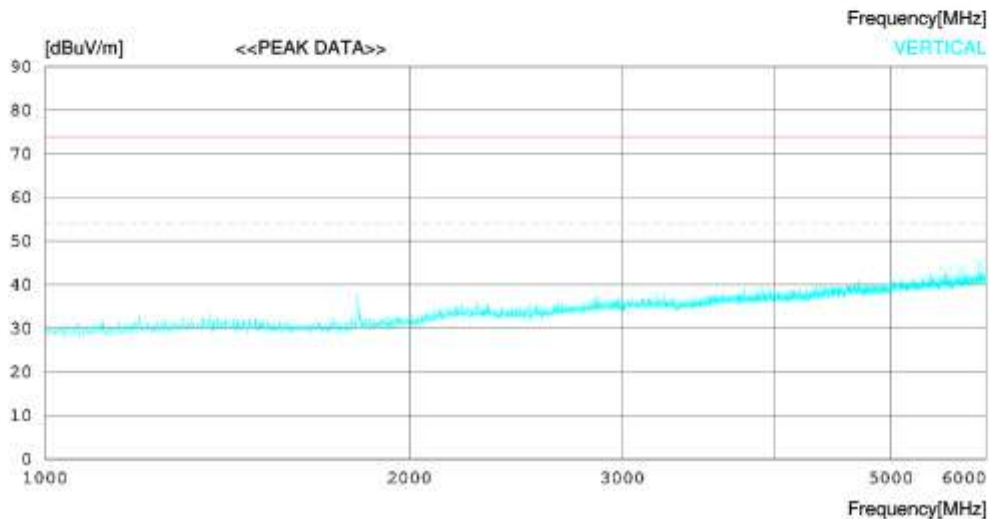
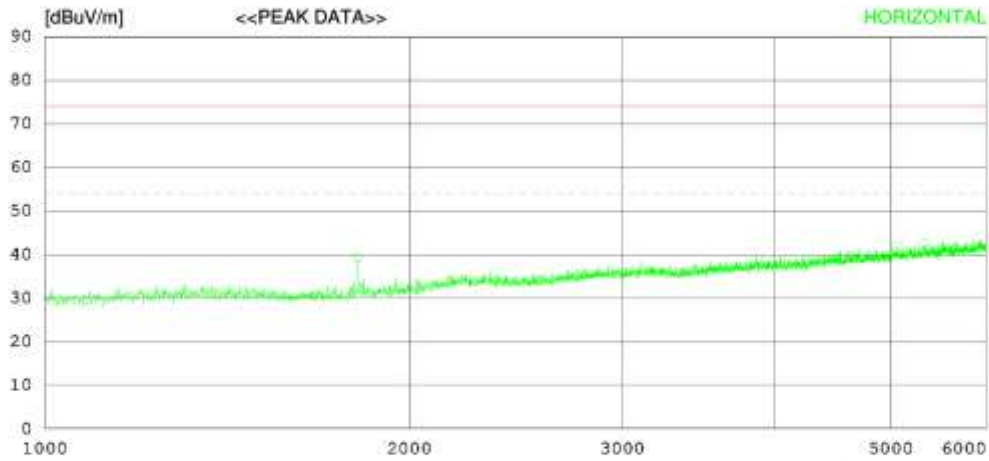
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	1811.875	57.70	25.35	4.34	48.01	39.38	74.0	34.62	215	320
2	5057.500	49.70	31.92	7.50	47.14	41.98	74.0	32.02	260	61
3	5326.875	49.80	31.45	7.69	46.38	42.56	74.0	31.44	271	167
----- VERTICAL -----										
4	5546.875	49.10	31.79	7.84	45.87	42.86	74.0	31.14	162	358
5	5713.750	49.30	31.93	7.96	45.77	43.42	74.0	30.58	152	120
6	5918.750	49.90	32.34	8.10	45.65	44.69	74.0	29.31	205	120

Radiated emissions at (1 ~ 6) GHz Average _ Measurement data

EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

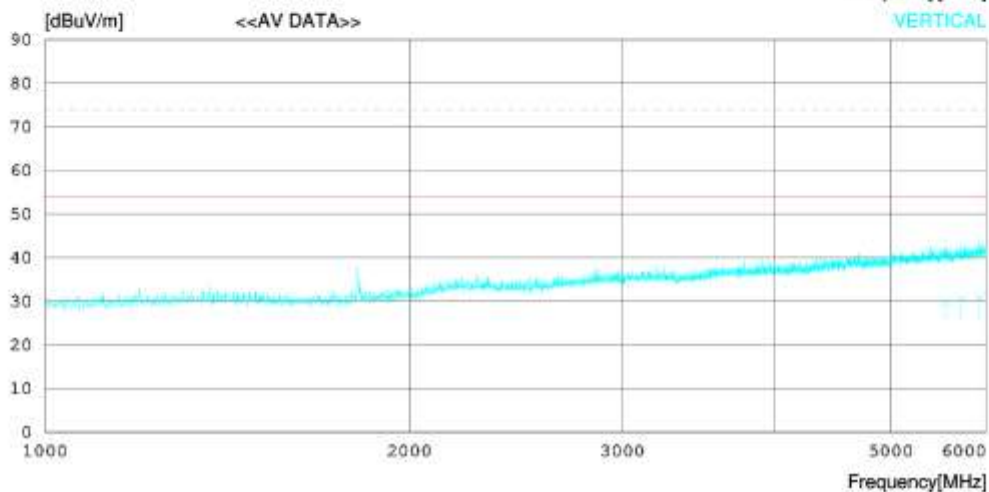
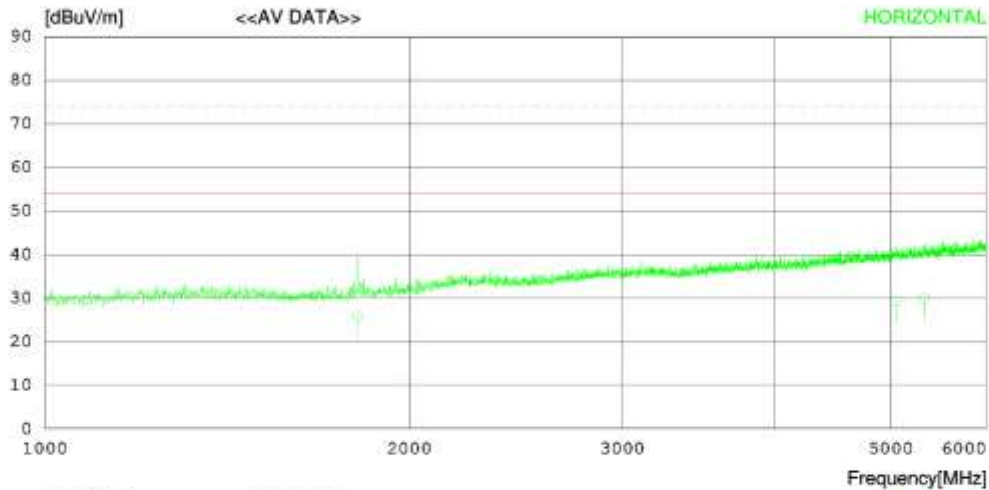
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	1811.569	44.10	25.35	4.34	48.01	25.78	54.00	28.22	324	304
2	5057.210	37.00	31.91	7.50	47.14	29.27	54.00	24.73	355	114
3	5326.716	37.20	31.45	7.69	46.39	29.95	54.00	24.05	307	192
----- VERTICAL -----										
4	5546.428	36.20	31.79	7.84	45.87	29.96	54.00	24.04	184	258
5	5713.558	36.50	31.93	7.96	45.77	30.62	54.00	23.38	202	161
6	5918.402	36.10	32.34	8.10	45.65	30.89	54.00	23.11	168	135

Radiated emissions at (6 ~ 18) GHz Peak _ Measurement data			
EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

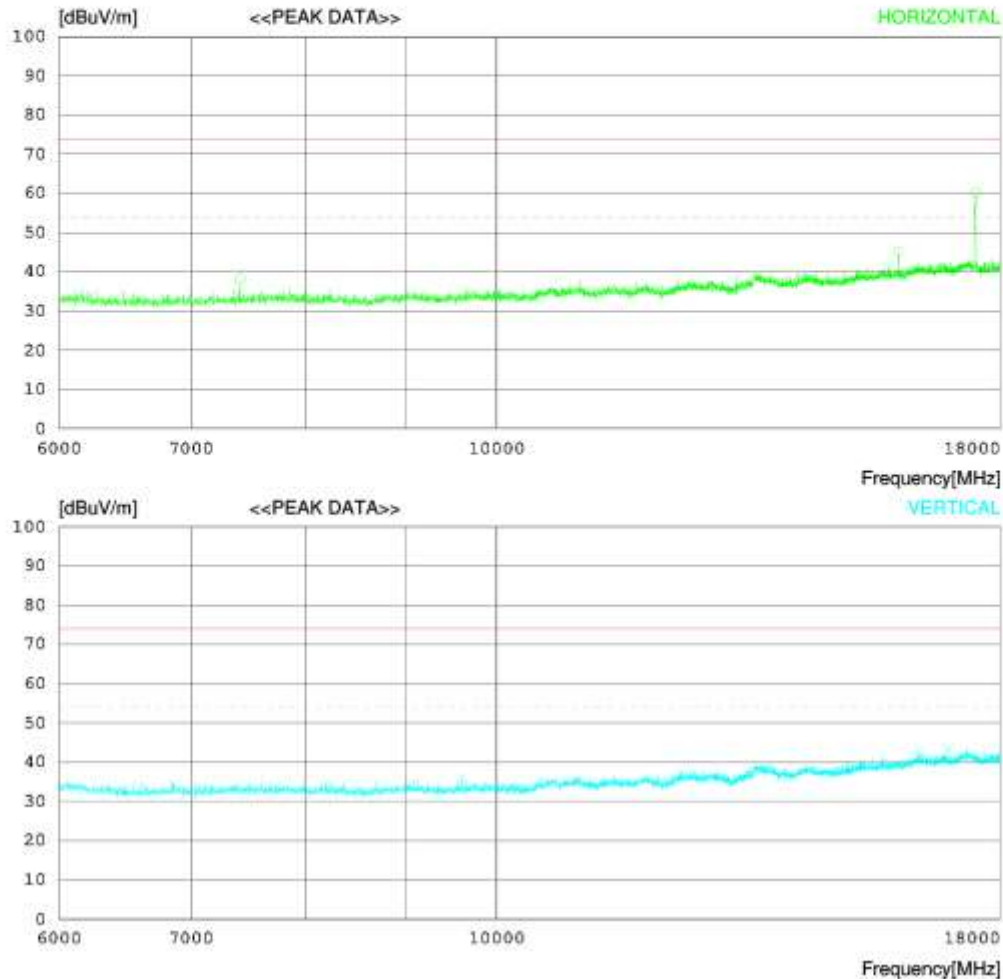
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	7413.000	37.10	30.77	8.44	38.06	38.25	74.0	35.75	275	0
2	15987.000	33.60	34.90	13.11	36.62	44.99	74.0	29.01	304	356
3	17479.500	47.00	37.00	12.72	36.64	60.08	74.0	13.92	234	312
----- VERTICAL -----										
4	9600.000	33.00	31.40	9.42	37.88	35.94	74.0	38.06	293	358
5	16366.500	31.20	35.33	12.59	36.31	42.81	74.0	31.19	162	358
6	16926.000	30.10	36.40	12.68	36.07	43.11	74.0	30.89	198	358

Radiated emissions at (6 ~ 18) GHz Average _ Measurement data			
EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

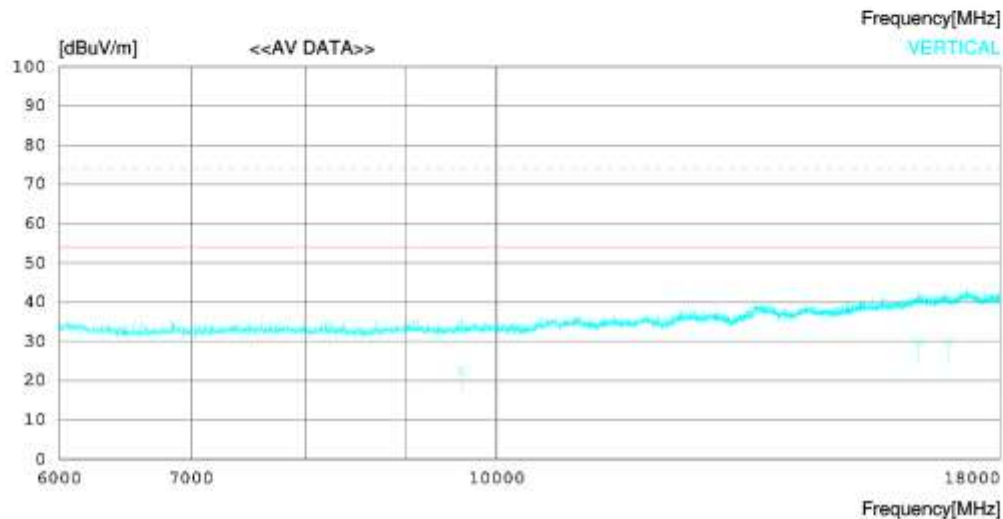
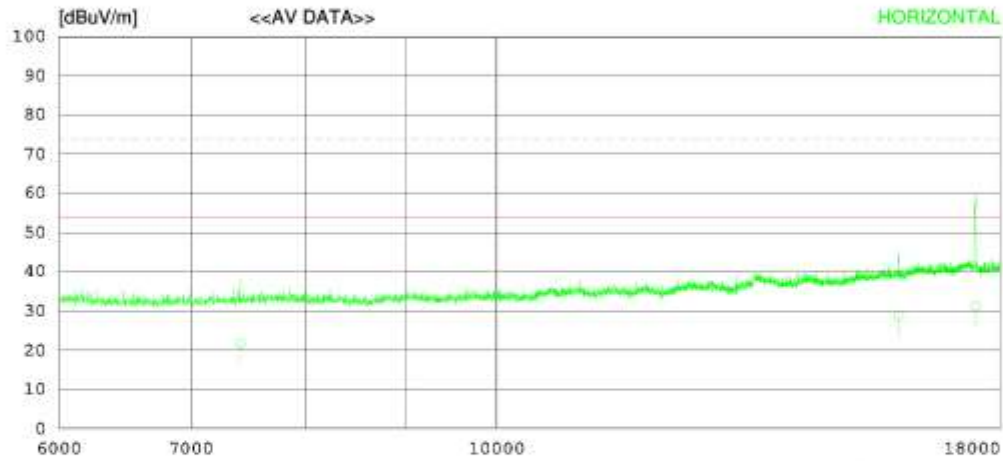
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	7412.284	20.60	30.78	8.44	38.06	21.76	54.00	32.24	329	105
2	15987.080	17.30	34.90	13.11	36.62	28.69	54.00	25.31	285	276
3	17479.690	18.30	37.00	12.72	36.64	31.38	54.00	22.62	341	119
----- VERTICAL -----										
4	9600.201	19.80	31.40	9.42	37.88	22.74	54.00	31.26	167	163
5	16367.230	18.10	35.33	12.59	36.31	29.71	54.00	24.29	148	267
6	16926.800	17.10	36.41	12.68	36.07	30.12	54.00	23.88	195	215

Radiated emissions at (18 ~ 40) GHz Peak _ Measurement data

EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

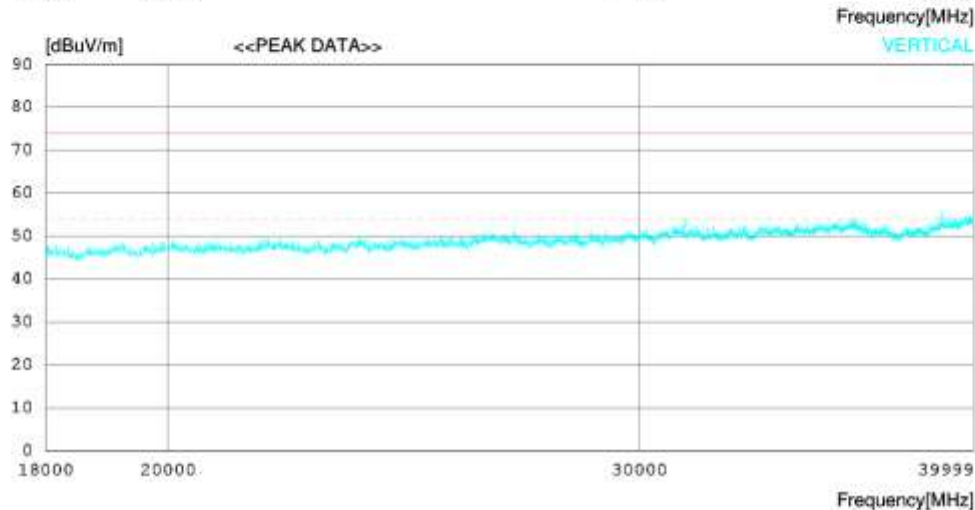
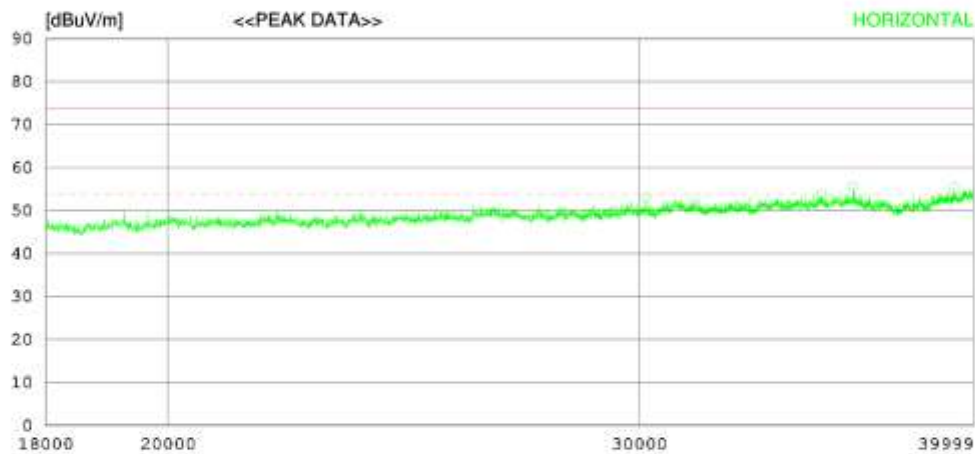
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor

1. ANT_3116C_00240008_2025.08.01

Cable Loss

1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19

2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	30168.750	36.90	46.60	24.50	55.03	52.97	74.0	21.03	271	214
2	35094.000	36.70	47.30	26.86	57.01	53.85	74.0	20.15	356	218
3	36053.750	39.10	46.90	27.38	57.93	55.45	74.0	18.55	304	311
4	39340.000	36.40	46.40	28.86	56.26	55.40	74.0	18.6	168	0
----- VERTICAL -----										
5	31205.500	36.40	46.80	25.38	55.20	53.38	74.0	20.62	287	40
6	38894.500	37.20	46.19	28.66	56.77	55.28	74.0	18.72	374	358

Radiated emissions at (18 ~ 40) GHz Average _ Measurement data			
EUT operation mode			2
Test voltage (V)	AC 120	Test frequency (Hz)	60

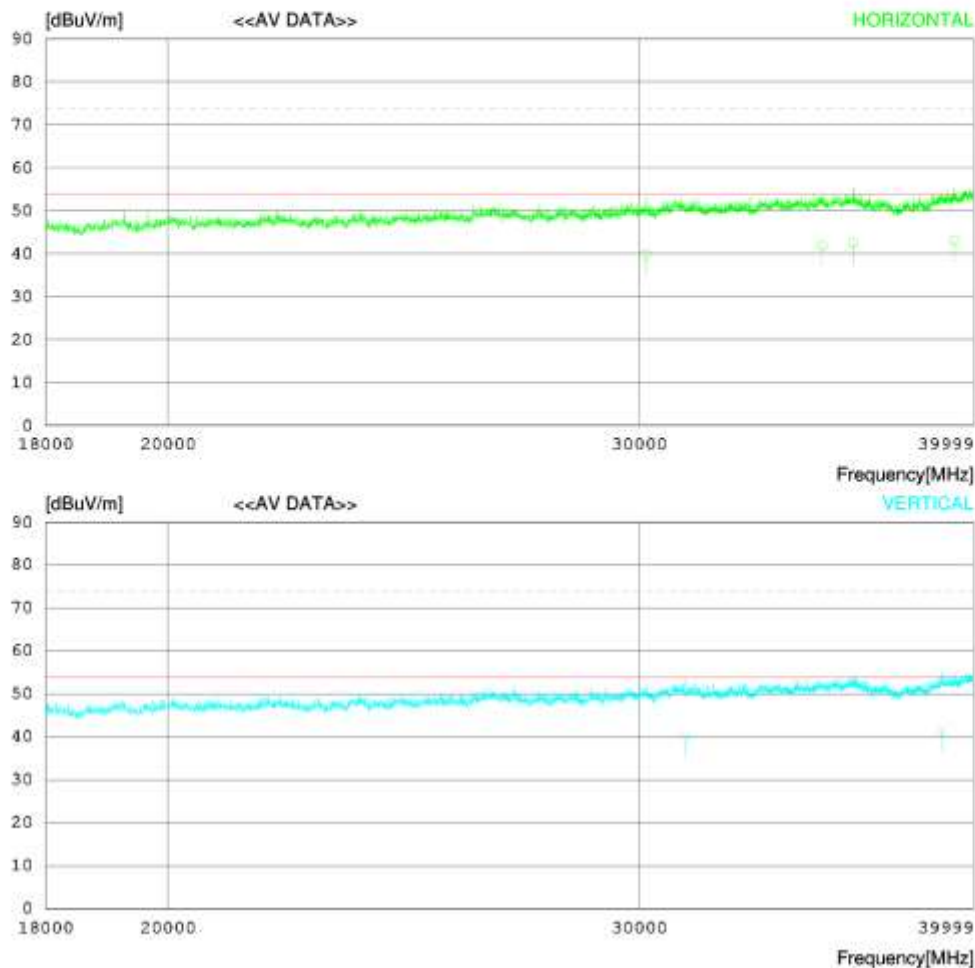
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition K-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	30168.430	23.70	46.60	24.50	55.03	39.77	54.00	14.23	274	167
2	35093.570	24.80	47.30	26.86	57.01	41.95	54.00	12.05	326	152
3	36053.940	26.20	46.90	27.38	57.93	42.55	54.00	11.45	298	289
4	39340.230	24.10	46.40	28.86	56.26	43.10	54.00	10.90	352	63
----- VERTICAL -----										
5	31205.880	23.10	46.80	25.38	55.20	40.08	54.00	13.92	131	152
6	38894.940	23.40	46.19	28.66	56.77	41.48	54.00	12.52	169	213

Radiated emissions at (30 ~ 1 000) MHz _ Measurement data

EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

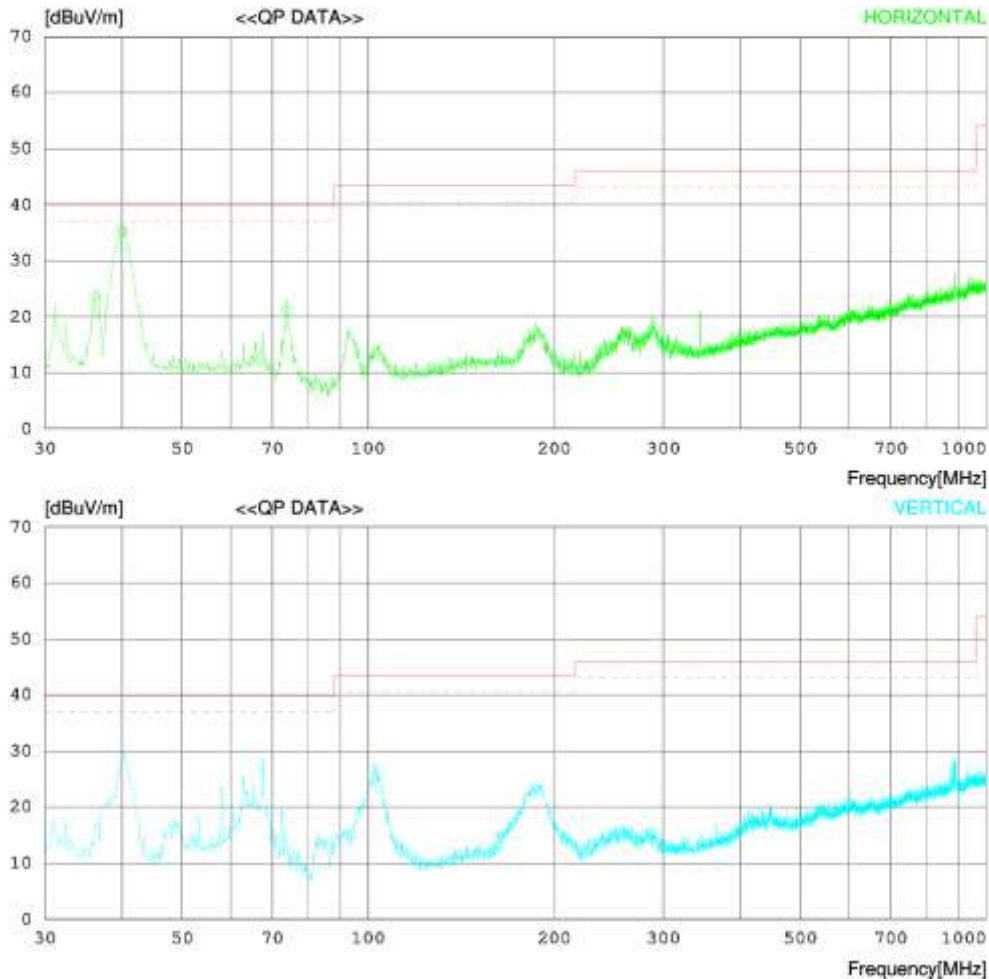
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition Ka-BAND

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	QP [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	36.305	33.00	17.43	0.49	27.23	23.69	40.00	16.31	375	167
2	39.943	44.20	17.70	0.52	27.25	35.17	40.00	4.83	368	298
3	73.650	32.20	15.91	0.59	27.30	21.40	40.00	18.60	361	311
----- VERTICAL -----										
4	67.587	36.70	16.88	0.65	27.30	26.93	40.00	13.07	147	162
5	102.628	37.20	15.33	0.75	27.30	25.98	43.50	17.52	156	158
6	891.552	19.40	29.23	2.13	26.90	23.86	46.00	22.14	132	216

Radiated emissions at (1 ~ 6) GHz Peak _ Measurement data			
EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

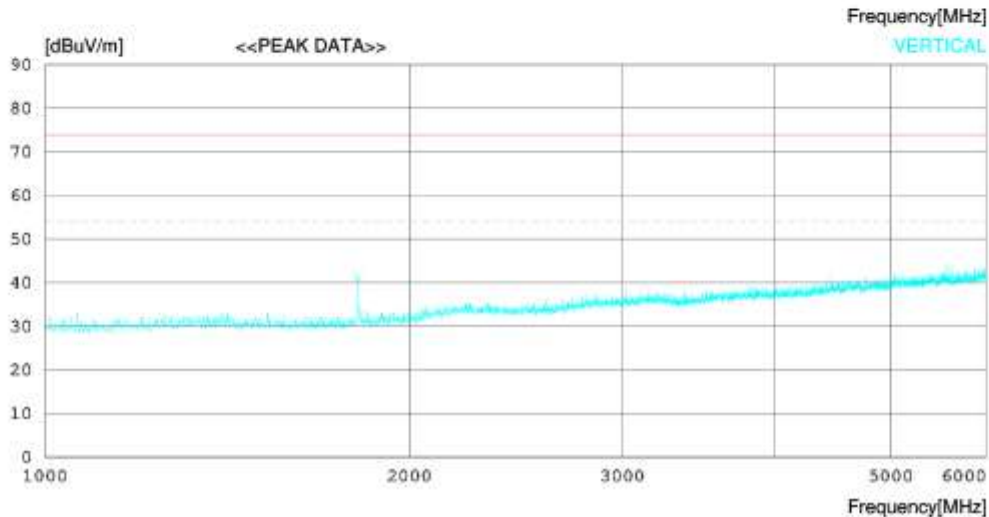
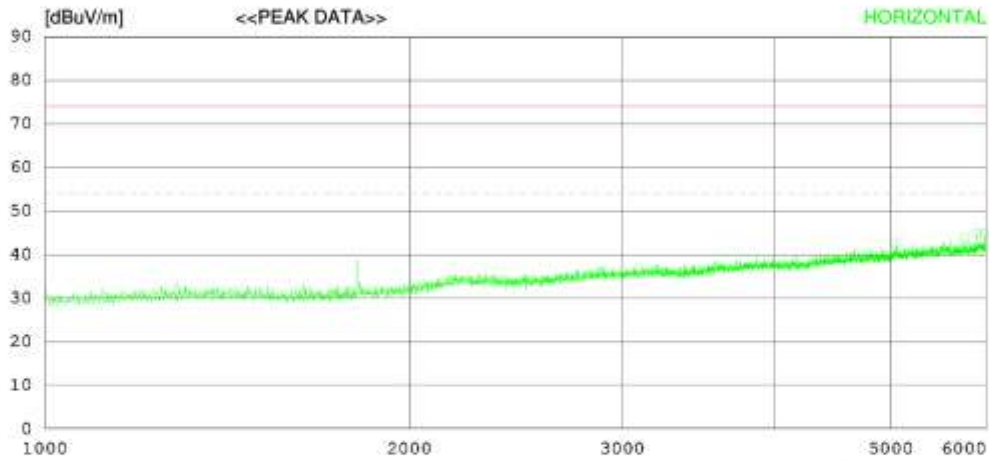
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	5046.875	50.30	31.89	7.50	47.17	42.52	74.0	31.48	289	358
2	5746.875	49.50	31.99	7.99	45.75	43.73	74.0	30.27	186	247
3	5886.250	50.20	32.27	8.08	45.67	44.88	74.0	29.12	246	109
4	5973.750	49.80	32.40	8.13	45.62	44.71	74.0	29.29	207	358
----- VERTICAL -----										
5	1812.500	59.80	25.35	4.35	48.01	41.49	74.0	32.51	384	93
6	5588.750	49.40	31.72	7.86	45.85	43.13	74.0	30.87	243	0

Radiated emissions at (1 ~ 6) GHz Average _ Measurement data

EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

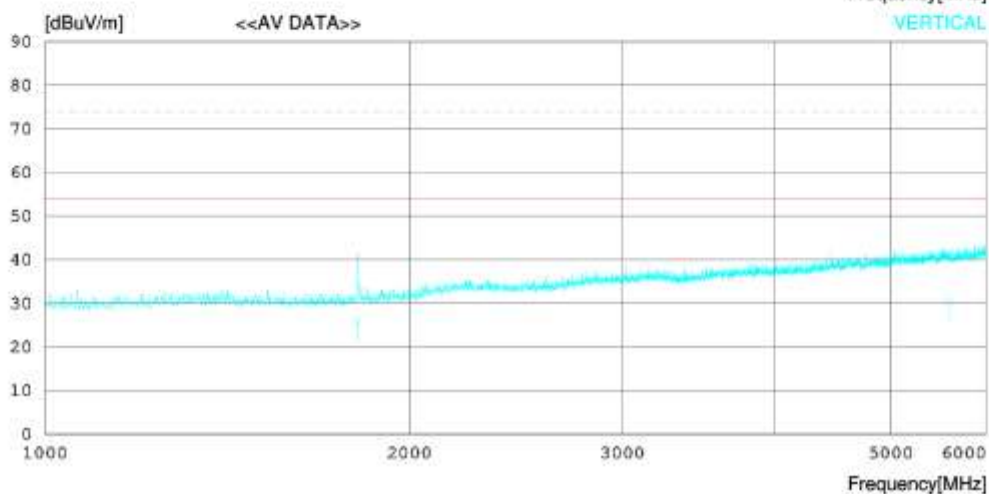
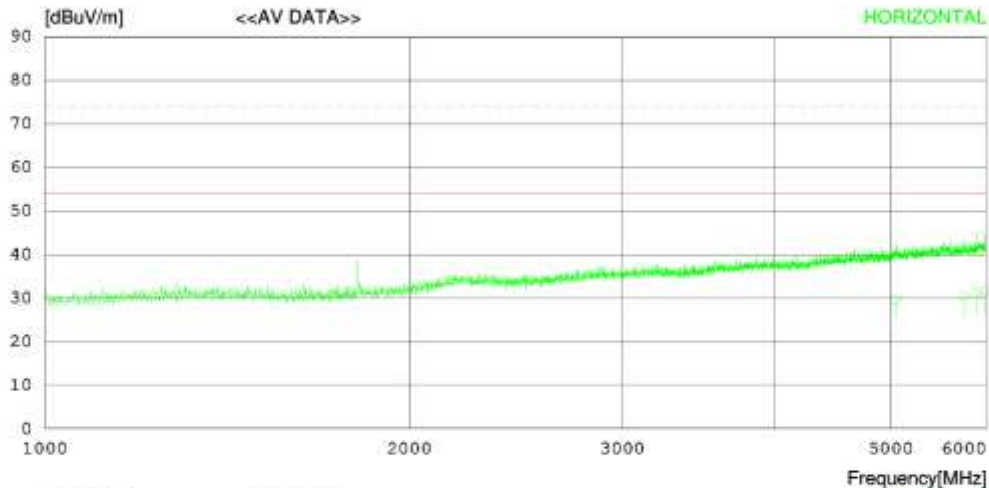
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	5046.427	37.50	31.89	7.49	47.17	29.71	54.00	24.29	348	334
2	5746.628	36.20	31.99	7.99	45.75	30.43	54.00	23.57	313	295
3	5885.802	36.40	32.27	8.08	45.67	31.08	54.00	22.92	317	131
4	5973.663	36.50	32.40	8.13	45.62	31.41	54.00	22.59	322	284
----- VERTICAL -----										
5	1812.246	44.30	25.35	4.34	48.01	25.98	54.00	28.02	175	163
6	5588.683	36.70	31.72	7.86	45.85	30.43	54.00	23.57	194	117

Radiated emissions at (6 ~ 18) GHz Peak _ Measurement data			
EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

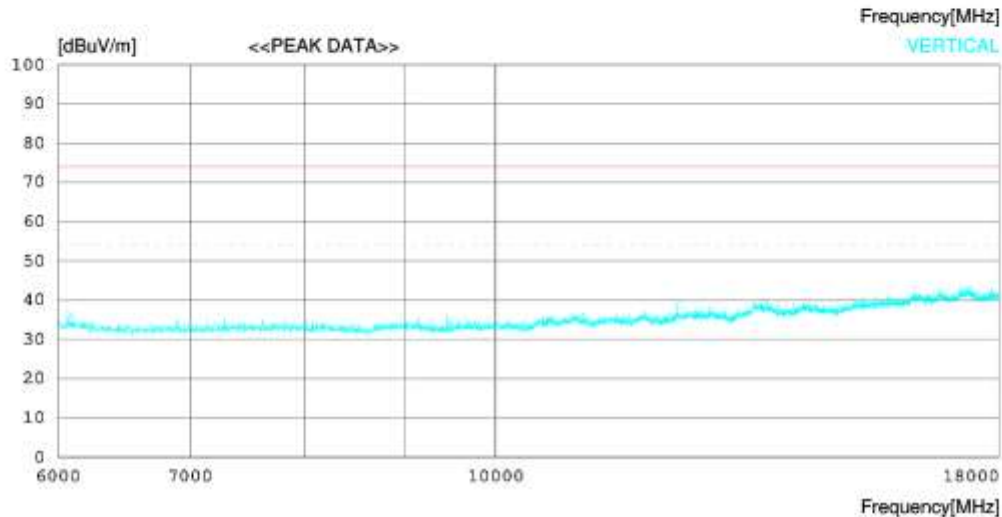
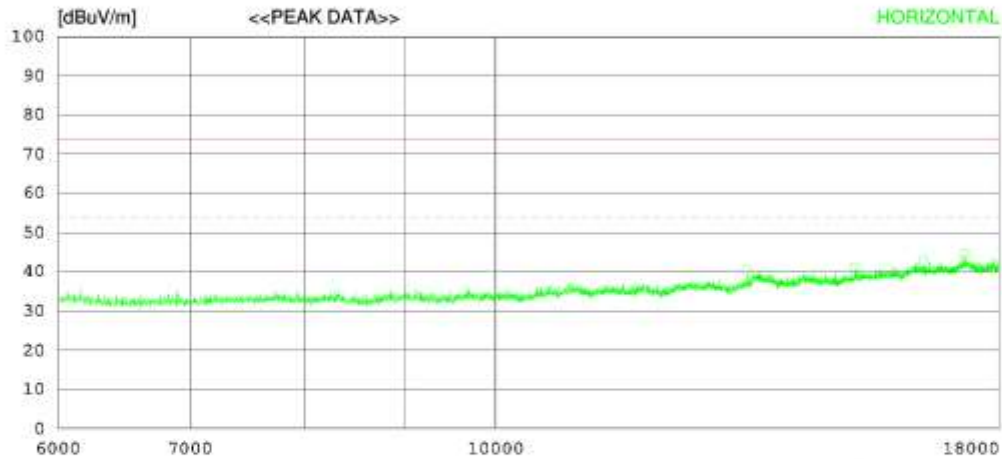
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	13405.500	33.30	33.20	11.42	37.61	40.31	74.0	33.69	345	165
2	15207.000	30.90	34.49	12.40	36.69	41.10	74.0	32.9	198	184
3	16473.000	30.90	35.55	12.58	36.22	42.81	74.0	31.19	167	175
4	17278.500	31.30	37.06	12.68	36.40	44.64	74.0	29.36	293	237
----- VERTICAL -----										
5	6091.500	36.70	31.12	7.70	39.08	36.44	74.0	37.56	253	283
6	12358.500	33.10	32.62	10.96	37.74	38.94	74.0	35.06	211	0

Radiated emissions at (6 ~ 18) GHz Average _ Measurement data			
EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

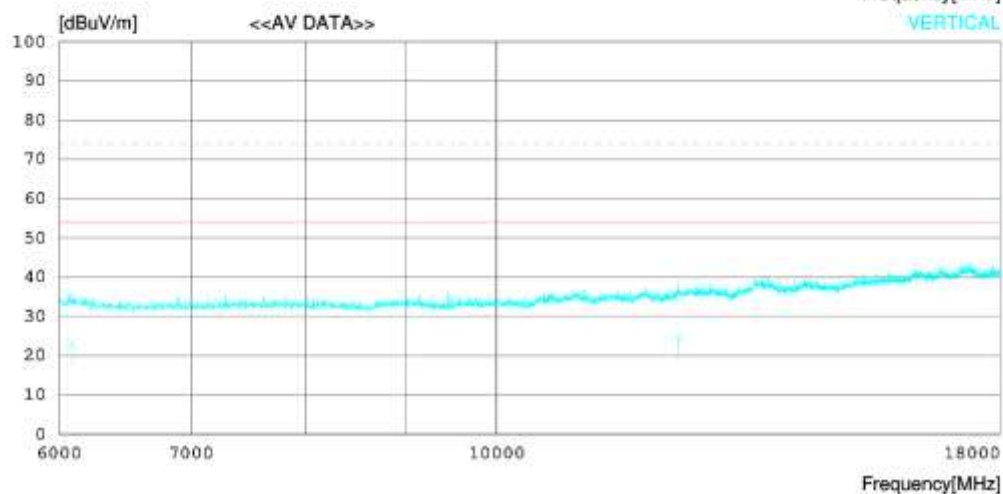
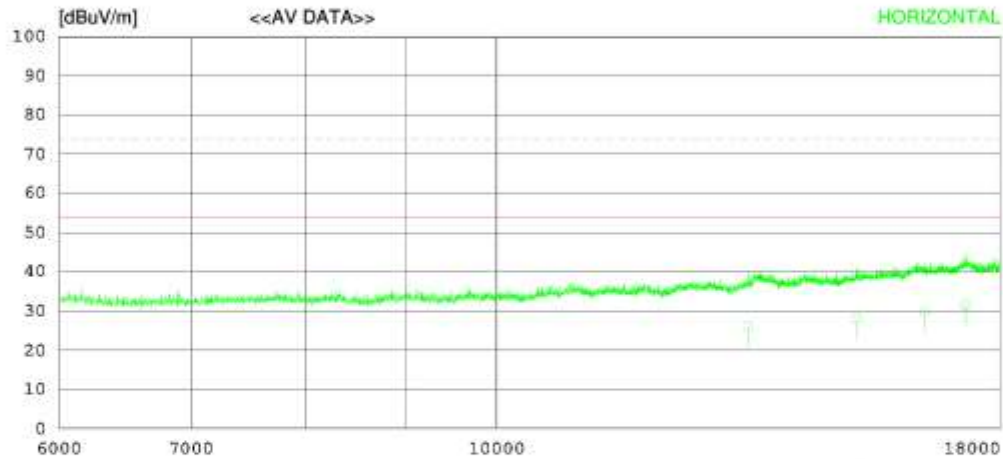
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	13404.880	19.10	33.20	11.42	37.61	26.11	54.00	27.89	286	246
2	15207.880	17.90	34.48	12.41	36.69	28.10	54.00	25.90	264	124
3	16472.410	18.00	35.54	12.58	36.22	29.90	54.00	24.10	326	159
4	17278.160	18.20	37.06	12.68	36.39	31.55	54.00	22.45	348	284
----- VERTICAL -----										
5	6091.093	23.20	31.12	7.70	39.08	22.94	54.00	31.06	176	241
6	12359.200	18.90	32.62	10.96	37.74	24.74	54.00	29.26	144	163

Radiated emissions at (18 ~ 40) GHz Peak _ Measurement data

EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

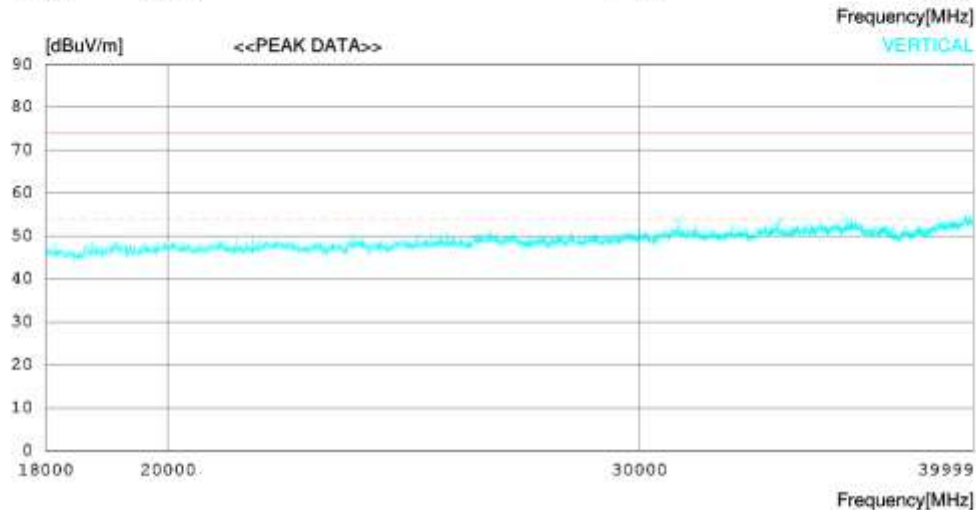
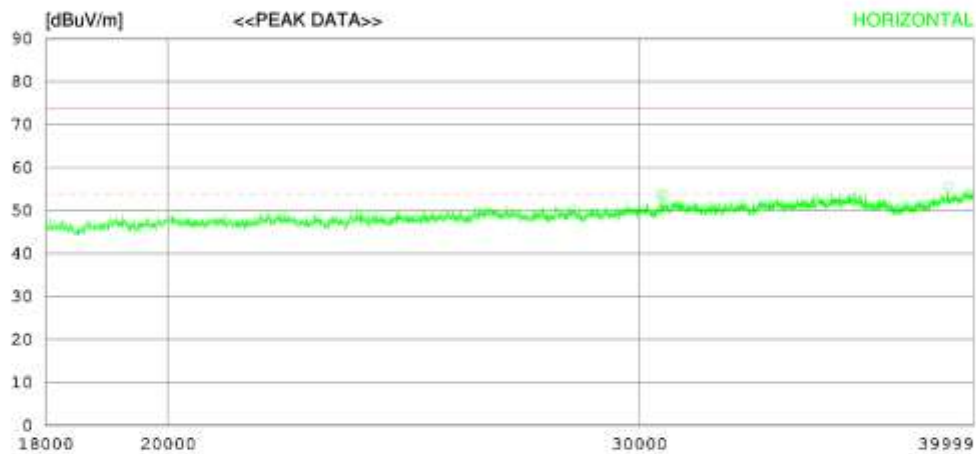
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	30537.250	37.40	46.80	24.58	54.92	53.86	74.0	20.14	320	247
2	30633.500	37.00	46.80	24.80	54.98	53.62	74.0	20.38	357	214
3	39131.000	36.90	46.30	28.82	56.47	55.55	74.0	18.45	287	275
----- VERTICAL -----										
4	31021.250	36.70	46.80	25.60	55.20	53.90	74.0	20.1	274	20
5	33870.250	36.00	47.50	26.32	56.15	53.67	74.0	20.33	165	358
6	35864.000	37.70	47.00	27.36	57.79	54.27	74.0	19.73	201	180

Radiated emissions at (18 ~ 40) GHz Average _ Measurement data

EUT operation mode			3
Test voltage (V)	AC 120	Test frequency (Hz)	60

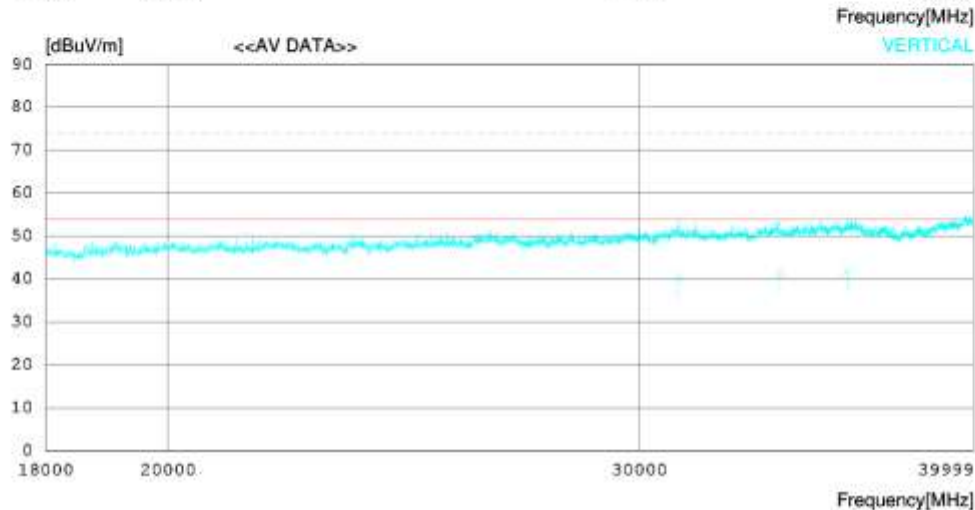
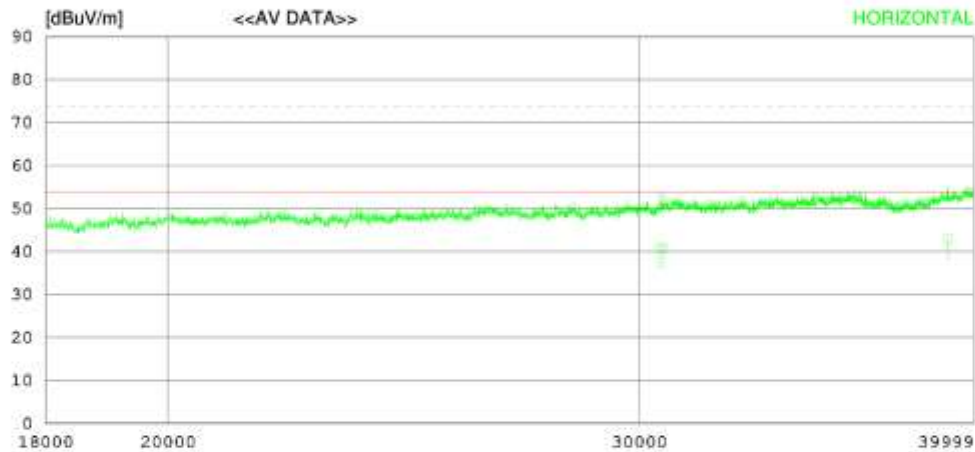
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition Ka-BAND

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	30537.570	24.20	46.80	24.59	54.92	40.67	54.00	13.33	357	212
2	30633.940	24.20	46.80	24.80	54.98	40.82	54.00	13.18	343	296
3	39130.570	24.30	46.30	28.82	56.47	42.95	54.00	11.05	338	353
----- VERTICAL -----										
4	31021.870	23.10	46.80	25.60	55.20	40.30	54.00	13.70	141	267
5	33870.530	23.70	47.50	26.32	56.15	41.37	54.00	12.63	158	326
6	35863.550	25.30	47.00	27.36	57.79	41.87	54.00	12.13	152	174

Radiated emissions at (30 ~ 1 000) MHz _ Measurement data			
EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

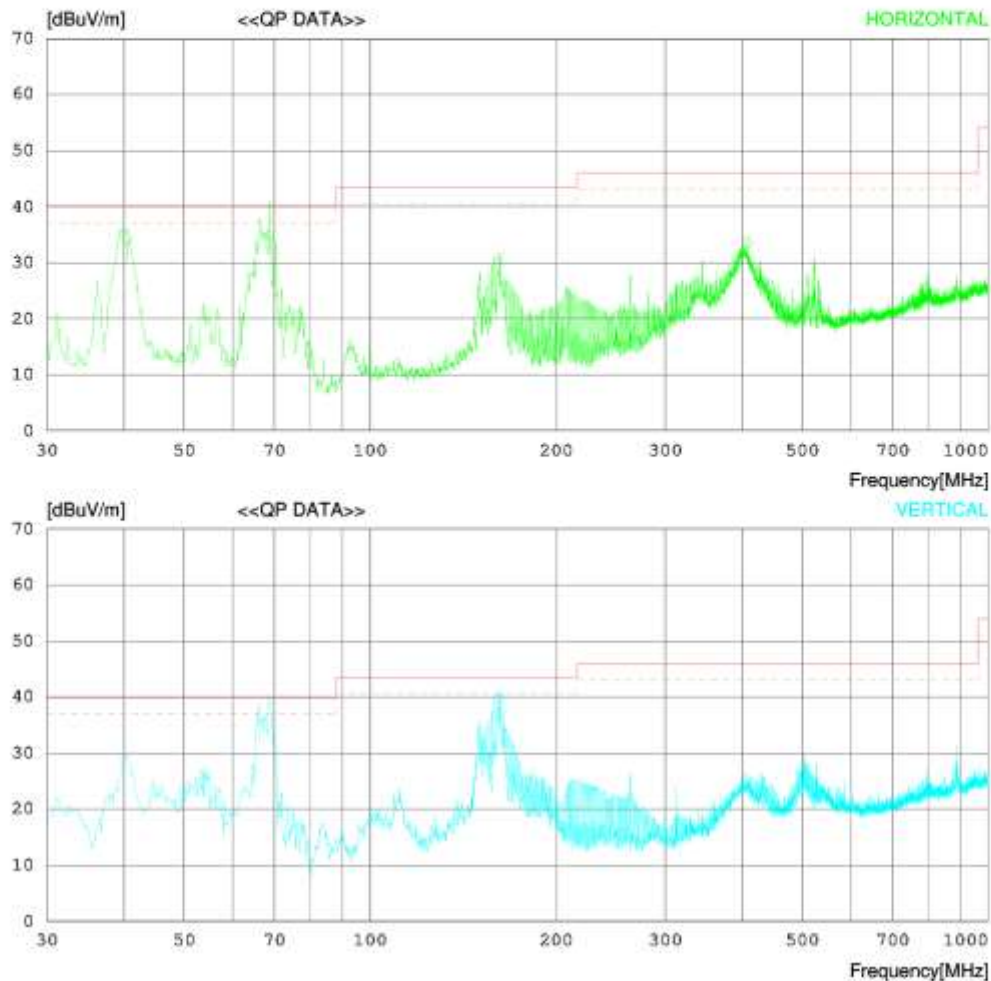
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition PC LINK

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	40.428	43.20	17.74	0.52	27.25	34.21	40.00	5.79	372	157
2	68.679	44.80	16.73	0.65	27.30	34.88	40.00	5.12	356	287
3	407.926	37.50	21.60	1.43	27.00	33.53	46.00	12.47	378	304
----- VERTICAL -----										
4	53.644	34.90	17.94	0.59	27.30	26.13	40.00	13.87	138	68
5	66.254	45.20	17.07	0.65	27.30	35.62	40.00	4.38	152	290
6	162.402	47.40	18.70	0.92	27.30	39.72	43.50	3.78	134	316

Radiated emissions at (1 ~ 6) GHz Peak _ Measurement data			
EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

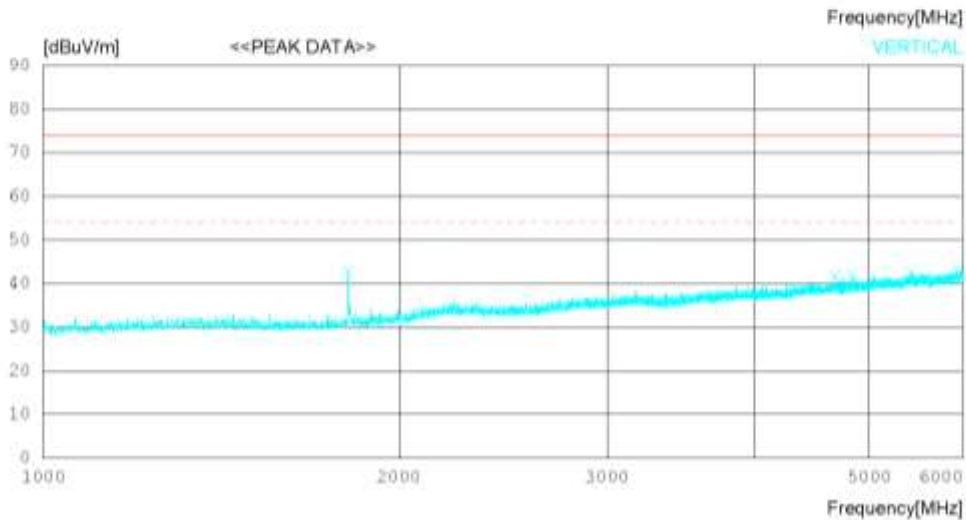
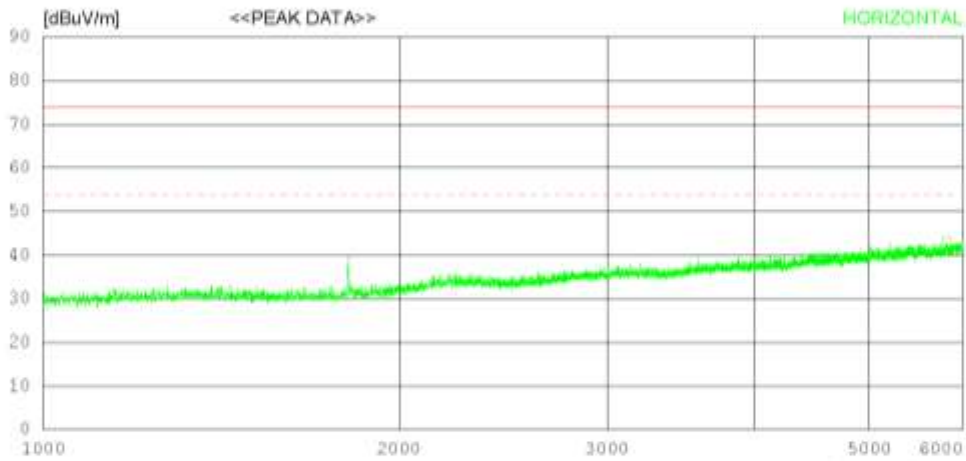
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	5816.250	48.50	32.13	8.04	45.71	42.96	74.0	31.04	190	358
----- VERTICAL -----										
2	1811.250	61.20	25.35	4.34	48.01	42.88	74.0	31.12	256	0
3	4672.500	51.20	31.09	7.20	47.63	41.86	74.0	32.14	287	71
4	4830.625	51.00	31.34	7.34	47.47	42.21	74.0	31.79	162	107
5	5428.125	49.40	31.66	7.76	46.10	42.72	74.0	31.28	141	0
6	5919.375	48.60	32.34	8.10	45.65	43.39	74.0	30.61	231	229

Radiated emissions at (1 ~ 6) GHz Average _ Measurement data			
EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

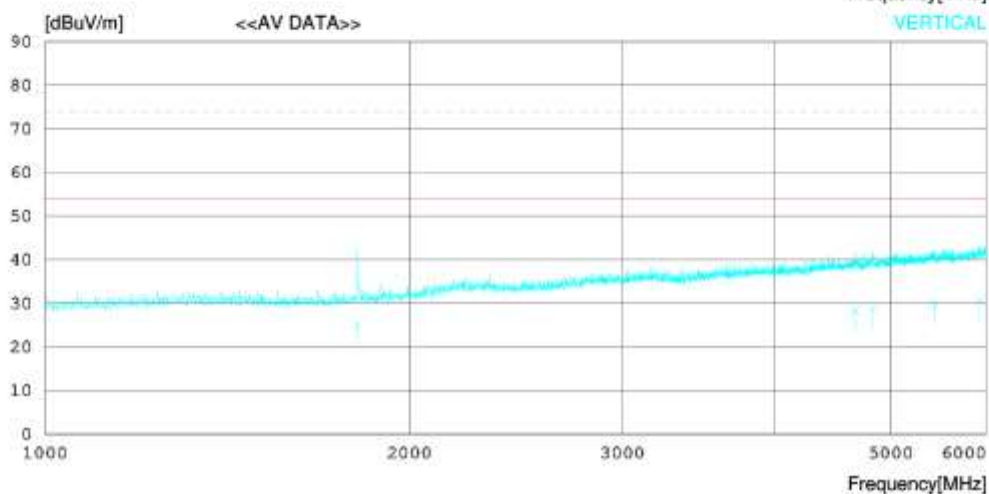
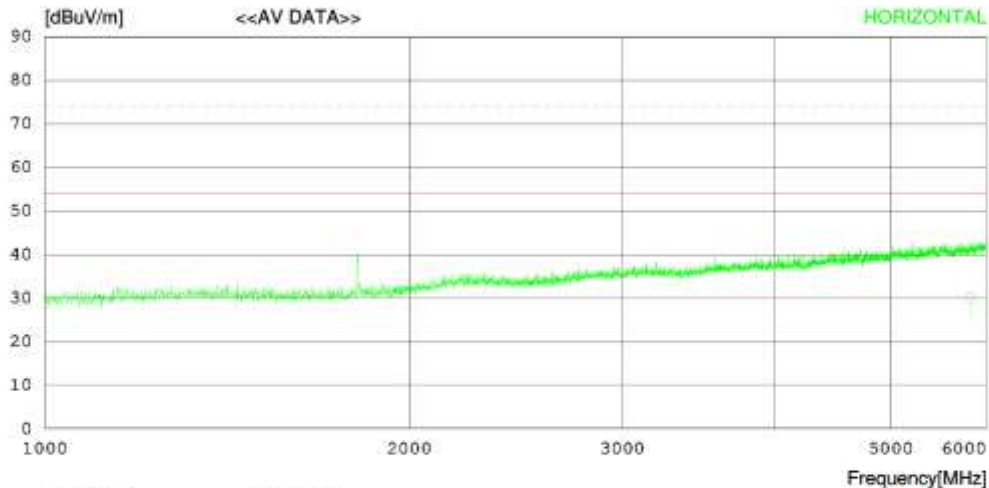
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	5816.367	35.60	32.13	8.04	45.71	30.06	54.00	23.94	351	316
----- VERTICAL -----										
2	1811.511	43.60	25.35	4.34	48.01	25.28	54.00	28.72	185	257
3	4672.864	37.80	31.09	7.20	47.63	28.46	54.00	25.54	172	156
4	4830.825	37.70	31.34	7.34	47.47	28.91	54.00	25.09	213	123
5	5428.322	36.60	31.66	7.76	46.10	29.92	54.00	24.08	161	71
6	5919.794	35.80	32.34	8.10	45.65	30.59	54.00	23.41	142	264

Radiated emissions at (6 ~ 18) GHz Peak _ Measurement data			
EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

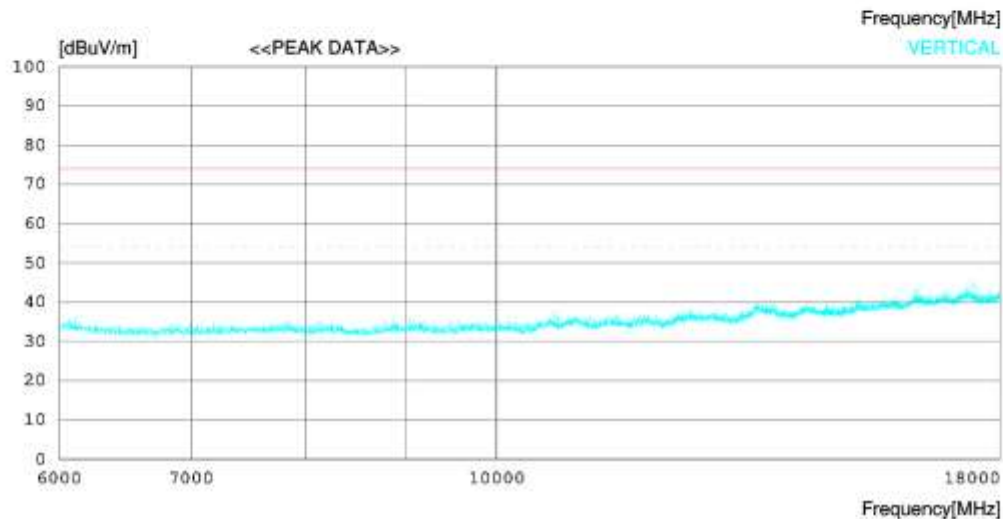
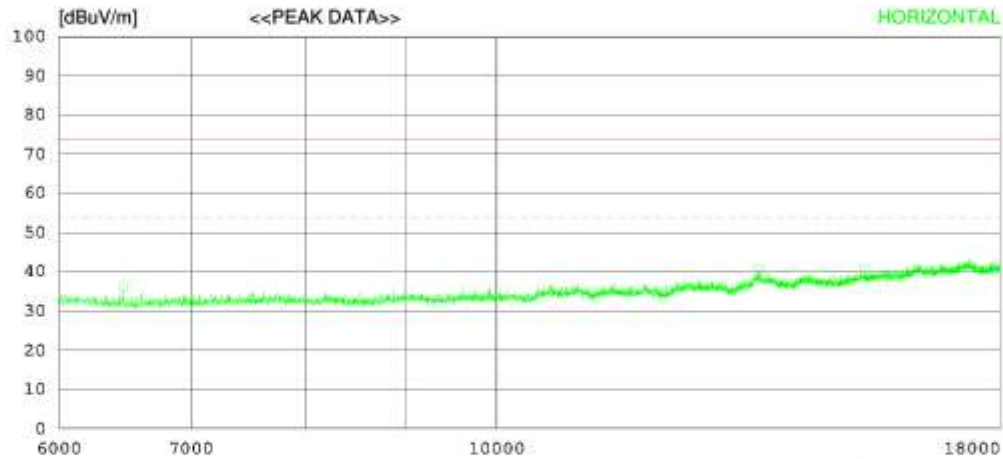
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 'C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	6471.000	36.60	30.70	7.94	39.07	36.17	74.0	37.83	312	86
2	13569.000	33.40	33.40	11.37	37.51	40.66	74.0	33.34	279	353
3	15352.500	30.20	34.40	12.69	36.56	40.73	74.0	33.27	128	192
----- VERTICAL -----										
4	10707.000	32.90	31.80	9.96	37.83	36.83	74.0	37.17	305	0
5	16329.000	31.20	35.26	12.62	36.34	42.74	74.0	31.26	167	94
6	17442.000	31.40	37.00	12.71	36.60	44.51	74.0	29.49	193	5

Radiated emissions at (6 ~ 18) GHz Average _ Measurement data			
EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

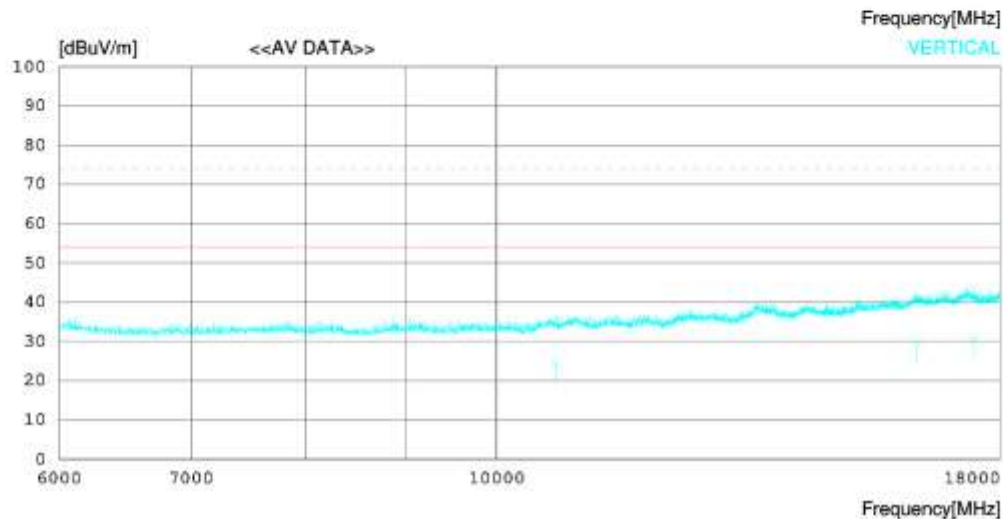
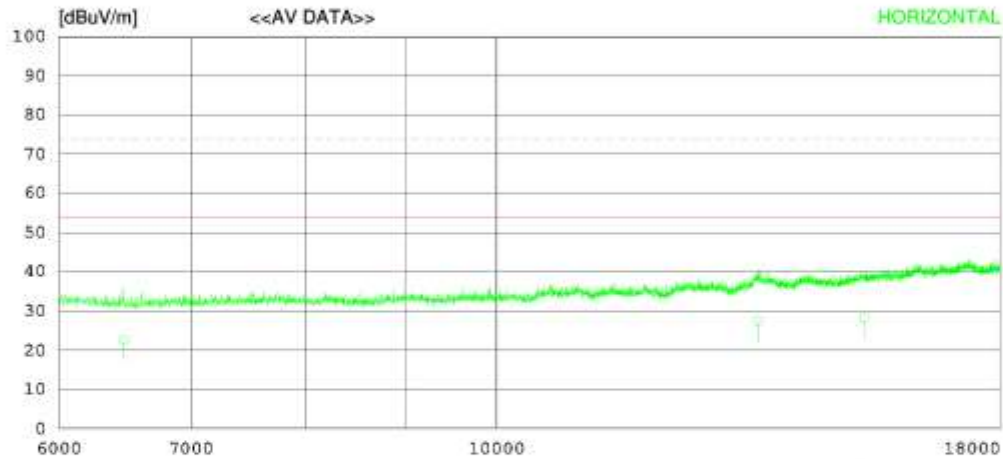
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	6471.996	23.10	30.70	7.94	39.07	22.67	54.00	31.33	324	165
2	13568.460	20.20	33.40	11.37	37.51	27.46	54.00	26.54	285	297
3	15353.050	17.80	34.40	12.69	36.56	28.33	54.00	25.67	302	167
----- VERTICAL -----										
4	10707.920	20.60	31.80	9.96	37.83	24.53	54.00	29.47	153	115
5	16329.230	18.10	35.26	12.62	36.34	29.64	54.00	24.36	209	193
6	17441.490	17.90	37.00	12.71	36.60	31.01	54.00	22.99	174	227

Radiated emissions at (18 ~ 40) GHz Peak _ Measurement data			
EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

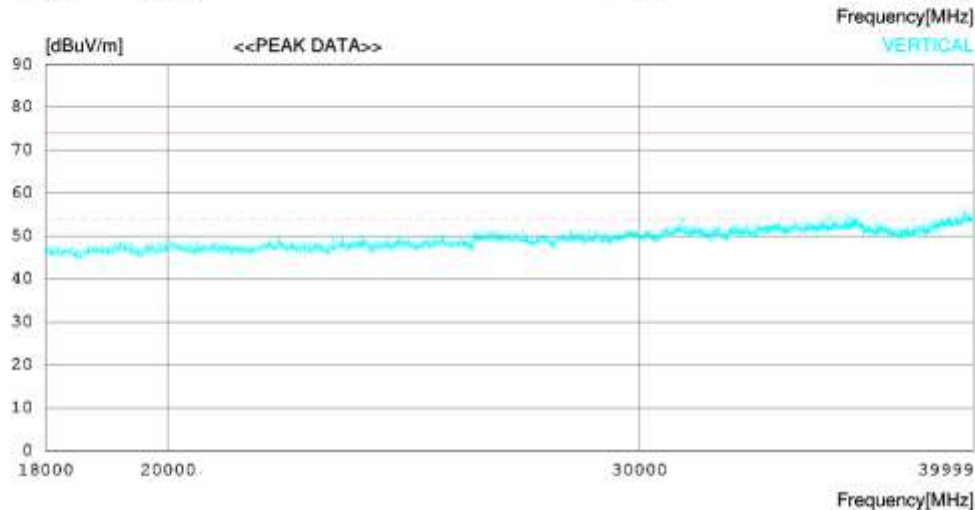
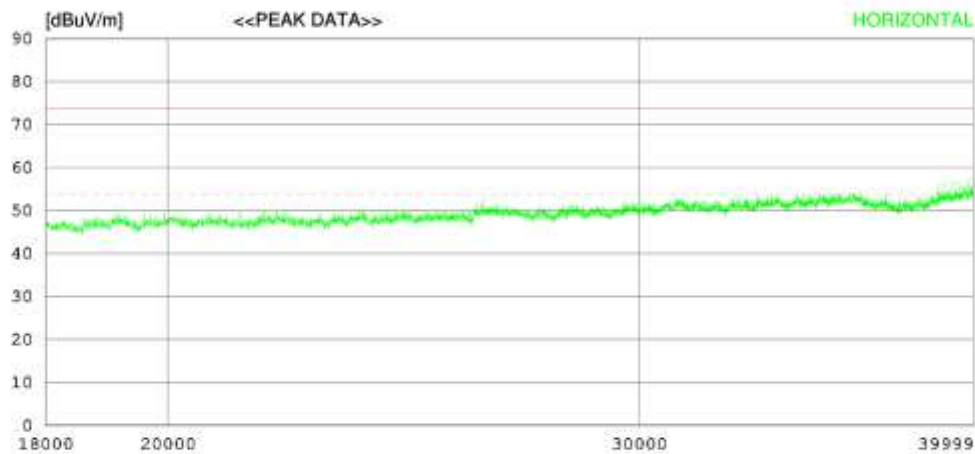
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_PK
Radar detector_GHz_AV

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	38913.750	37.00	46.20	28.69	56.74	55.15	74.0	18.85	162	0
2	39384.000	36.50	46.40	28.87	56.22	55.55	74.0	18.45	217	0
3	39936.750	36.00	46.94	28.93	55.40	56.47	74.0	17.53	303	254
----- VERTICAL -----										
4	31112.000	36.80	46.80	25.49	55.20	53.89	74.0	20.11	275	358
5	35341.500	37.70	47.20	27.13	57.31	54.72	74.0	19.28	216	358
6	35913.500	37.90	46.99	27.37	57.83	54.43	74.0	19.57	287	71
7	36216.000	38.30	46.80	27.34	58.03	54.41	74.0	19.59	134	358
8	39686.500	36.10	46.69	28.91	55.80	55.90	74.0	18.1	208	358

Radiated emissions at (18 ~ 40) GHz Average _ Measurement data

EUT operation mode			4
Test voltage (V)	AC 120	Test frequency (Hz)	60

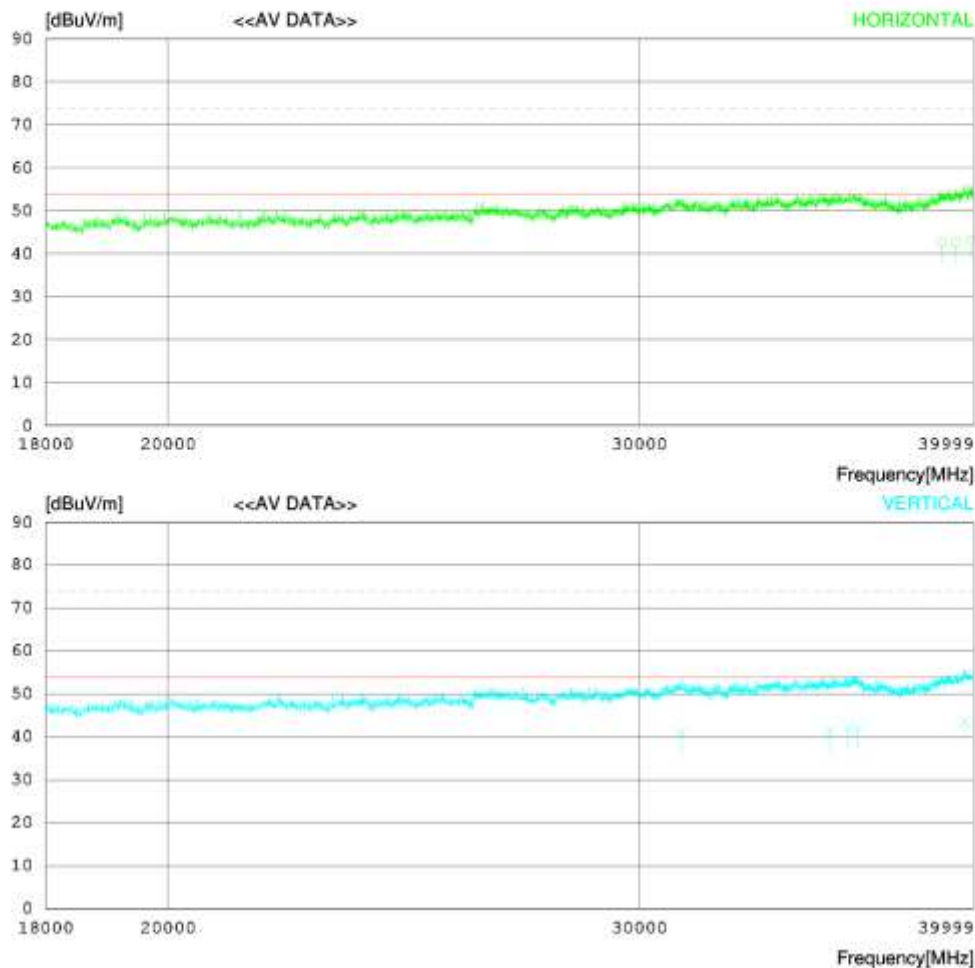
Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #33_C2_Amp to Receiver_10m_18-40G_2025-08-22
Pre Amp Gain
1. AMP_LNAS-50-18004000-33-5P_2025.08.01



Date 2025-12-02

Order No. DTNC2510-08247
Power Supply AC 120 V 60 Hz
Temp/Humi 17 °C 38 % R.H.
Test Condition PC LINK

Memo

LIMIT : Radar detector_GHz_AV
Radar detector_GHz_PK

Antenna Factor
1. ANT_3116C_00240008_2025.08.01
Cable Loss
1. #32_C1_Ant to Amp_0.2m_18-40G_2025-06-19
2. #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	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- HORIZONTAL -----										
1	38914.010	24.40	46.20	28.69	56.74	42.55	54.00	11.45	287	105
2	39383.150	23.60	46.40	28.87	56.22	42.65	54.00	11.35	321	63
3	39936.430	22.70	46.94	28.93	55.40	43.17	54.00	10.83	308	212
----- VERTICAL -----										
4	31112.070	24.00	46.80	25.50	55.20	41.10	54.00	12.90	187	237
5	35340.790	24.40	47.20	27.13	57.31	41.42	54.00	12.58	153	326
6	35913.790	25.60	46.99	27.37	57.83	42.13	54.00	11.87	211	125
7	36216.130	26.00	46.80	27.34	58.03	42.11	54.00	11.89	142	164
8	39686.590	23.80	46.69	28.91	55.80	43.60	54.00	10.40	146	233

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
-	-	-	-	-	-

Antenna Power Conduction _ Measurement data graph _ Low			
EUT Operation mode			N/A
Test voltage (V)	N/A	Test Frequency (Hz)	N/A
N/A			

Conducted differential voltage disturbance _ Measurement data list				
EUT Operation mode				N/A
Source (MHz)	Frequency (MHz)	Limit (dBμV)	Result (dBμV)	Margin (dB)
Fundamental (≤ 1 000)	-	50	-	-
Harmonics (30 ~ 300)	-		-	-
Harmonics (300 ~ 1 000)	-		-	-
Other (30 ~ 1 000)	-		-	-

8. Revision History

Date	Report No. (Order No.)	Description	Revised By	Reviewed By
Jan. 07. 2026	DREKFCC2601-0001 (DTNC2510-08247)	Initial report	HyeonDong Son	HyungJun Kim

-End of test report-