



TEST REPORT



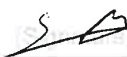
Dt&C Co., Ltd.

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



1. Report No : DREKFCC2308-0116
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/Laser Detector with GPS Receiver
connectable to smartphone via BLE / RAD 700i
(FCC ID : BBOST55R)
5. Test Method Used : ANSI C63.4:2014
FCC Part 15 Subpart B
(Rader detector)
6. Date of Test : Aug. 17. 2023
7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing
(Address : Refer to the attached)
8. Testing Environment : Temperature 21 °C , Humidity 64 % 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 : MyungSuk Oh 	Name : HyungJun Kim 

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

Aug. 18. 2023

Dt&C Co., Ltd.

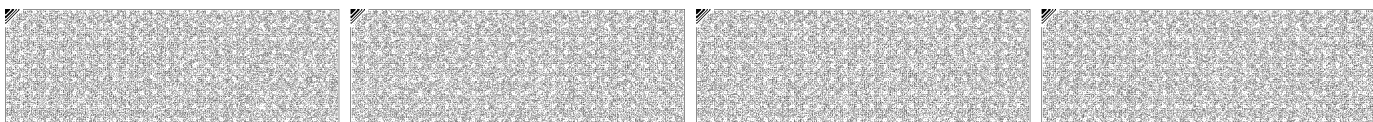
Accredited by KOLAS, Republic of KOREA

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

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TRF-EM-243(00)230309

Pages: 1 / 26





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(FCC ID : BBOST55R)



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Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



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.dtcn.net>

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

2. Test Laboratory

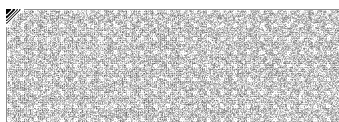
Address of Laboratory

☐	Branch site	42, Yurim-ro 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea
☒	Satellite facilities-1	46, Yurim-ro 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea
☒	Satellite facilities-2	38, Yurim-ro 154 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea
☐	Satellite facilities-3	28, Baengnyeong-ro 20 beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, 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 23rd, Oct, 2018	-
Site Filing	USA	FCC	KR0034	Designation
	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 0010 Rev.00	ISO/IEC 17025
	Russia	RMRS	22.03.01.01196.296	ISO/IEC 17025

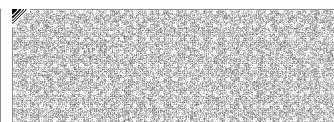
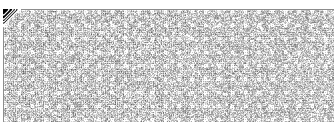
Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competent of calibration and testing laboratory".



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/Laser Detector with GPS Receiver connectable to smartphone via BLE
Model Name	RAD 700i
Add Model Name	None
Add Model Difference	None
Software Version	M0.2.3.2
Hardware Version	REV.C
Maximum Internal Frequency	14938.5 MHz
Rated Power	DC 12 V
FCC ID	BBOST55R
RF Module Name	None
Remarks	[RF Frequency] - X Band 10.525 ± 0.050 GHz - K Band 24.125 ± 0.125 GHz - Ka Band 34.700 ± 1.300 GHz

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



4. EUT Operations and Test Configurations

4.1 Principle of Configuration Selection

Emission :

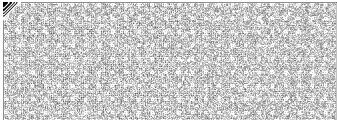
The equipment under test (EUT) was configured to measure its highest possible radiation level.
The test modes were adapted accordingly in reference to the instructions for use.
For each testing mode different configurations were used,
Refer to the individual tests.

4.2 EUT Operation Mode

No.	Mode	Description
1	X-band 10.525 GHz	The signal generator is set to a frequency of 10.525 GHz, and the EUT detects 10.525 GHz as an X-band to collect data.
2	K-band 21.150 GHz	The signal generator is set to a frequency of 24.150 GHz, and the EUT detects 24.150 GHz as an Y-band to collect data.
3	Ka-band 34.7 GHz	The signal generator is set to a frequency of 34.7 GHz, and the EUT detects 34.7 GHz as an Ka-band to collect data.
* Not Used Port (For Maintenance) MICRO USB Port		

4.3 Test Configuration Mode

No.	Mode	Description
1	RADAR	The EUT connected DC POWER SUPPLY.



4.4 Supported Equipment

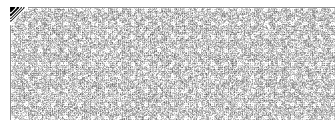
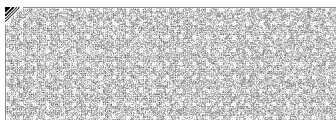
Used*	Product Type	Manufacturer	Model	Serial number	Remarks
AE	Signal Generator	ETS-Lindgren	MG3695C	N/A	-
AE	3116C	ETS-Lindgren	3116C	213177	-
*Abbreviations: AE - Auxiliary/Associated Equipment, or SIM - Simulator					

4.5 EUT In/Output Port

Name	Type*	Cable Max. >3 m	Cable Shielded	Cable Back shell	Remarks
DC IN	DC	2.0	Non shield	Plastic	-
*Abbreviations: AC = AC Power Port DC = DC Power Port N/E = Non-Electrical I/O = Signal Input or Output Port TP = Telecommunication Ports					

4.6 Test Voltage and Frequency

Case	Voltage (V)	Frequency (Hz)	Phases	Remarks
1	DC 12	-	-	None



5. Test Summary

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4 : 2014	N/A (Note 1)
Radiated Disturbance	ANSI C63.4 : 2014	C (Note 3)
Antenna Power Conduction	ANSI C63.4:2014	N/A (Note 2)
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		
Note 1) This test was not required because EUT was used DC power. Note 2) This test was not required because EUT has not port about this test. Note 3) the EUT is a product with the RADAR DETECTOR function, and the RE test in the 11.7 ~ 12.2 GHz frequency range was conducted.		

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

Measurement Uncertainty	
Test Items	U (k = 2)
Conducted Disturbance (9 kHz~ 30 MHz)	Mains : 3.6 dB Signal : 6.0 dB
Conducted Disturbance (150 kHz ~ 30 MHz)	Mains : 3.4 dB Signal : 6.0 dB
Radiated Disturbance (3m)	Below 1 GHz : 5.86 dB Above 1 GHz : 6.98 dB
Radiated Disturbance (10m)	Below 1 GHz : 4.92 dB Above 1 GHz : 6.98 dB
Antenna Power Conduction	N/A

- Conducted Disturbance

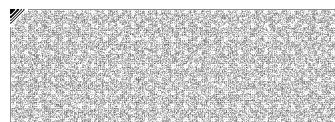
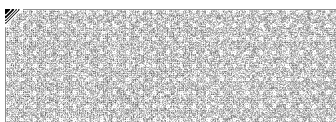
Frequency [MHz]	Pol.	Result [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]
-	-	-	-	-	-

-Radiated Disturbance

Frequency [MHz]	Pol.	Result [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]
11893.140	V	64.75	Peak	74.00	9.25

-Antenna Power Conduction

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





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (°C)	Humidity (% R.H.)	Pressure (kPa)
Radiated Disturbance	2023-08-17	21	64	-



7. Test Results : Emission

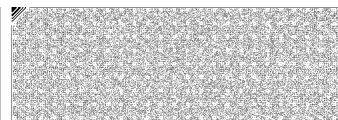
7.1 Conducted Disturbance

ANSI C63.4	Mains terminal disturbance voltage		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.			Not Applicable		
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)	Test configuration mode	N/A			
	EUT Operation mode	N/A			
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. Date	Cal. Due
-	-	-	-	-	-

Calculation

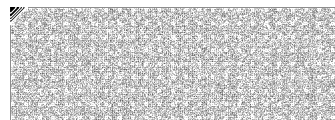
N : Neutral phase, L1 : Live phase
C.FACTOR(dB) : Pulse Limiter(dB) + Cable loss(dB) + Insertion loss of LISN(dB)
Result(dBμV) : Reading Value(dBμV) + C.FACTOR(dB)
Margin(dB) : Limit(dBμV) - Result(dBμV)

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	N/A	EUT Operation mode	N/A
Test voltage (V)	N/A	Test Frequency (Hz)	N/A



7.2 Radiated Disturbance

ANSI C63.4	Radiated disturbance 30 MHz –40 GHz**			Result
<u>Method:</u> Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 or 3 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)	Test configuration mode		1	
	EUT Operation mode		1, 2, 3	
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 contained in Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22 shown.				
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			5th harmonic of the highest frequency or 40 GHz, whichever is lower	





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Measurement Instrument					
Description	Model	Manufacturer	Identifier	Cal. Date	Cal. Due
MEASUREMENT SOFTWARE	EMI-R VER. 2.00.0177	TSJ	N/A	N/A	N/A
EMI TEST RECEIVER	ESU40	ROHDE&SCHWARZ	100525	2022.11.29	2023.11.29
PREAMPLIFIER	MLA-0618-B03-34	TSJ	1785642	2022.12.20	2023.12.20
HORN ANTENNA	EM-6969	ELECTRO-METRICS	156	2022.12.20	2023.12.20
(NOTE : THE MEASUREMENT ANTENNAS WERE CALIBRATED IN ACCORDANCE TO THE REQUIREMENTS OF C63.5-2017.)					

Calculation

Result(dBuV/m) : Reading Value(dBuV) + Cable loss(dB) - Pre amplifier gain(dB) + Ant. Factor(dB)
Margin : Limit(dBuV/m) - Result(dBuV/m)





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Radiated disturbance at (11.7 ~ 12.2) GHz _Peak Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	DC 12	Test Frequency (Hz)	-

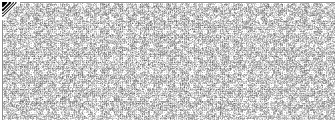
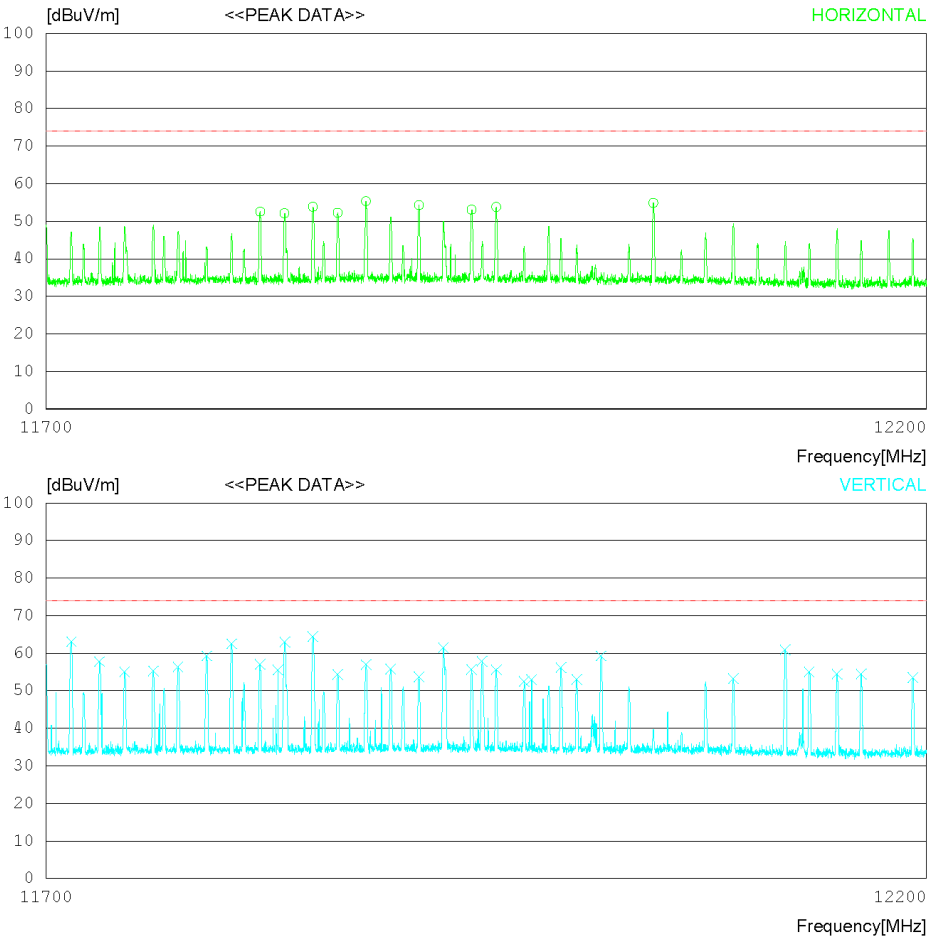
Date 2023-08-17

Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 °C 64 % R.H.
Test Condition X Band (10.525 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20





Report No.: DREKFCC2308-0116
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Date 2023-08-17

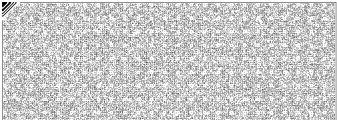
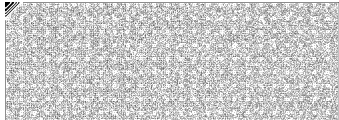
Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 °C 64 % R.H.
Test Condition X Band (10.525 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20

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	11819.630	47.30	33.20	10.82	38.80	52.52	74.0	21.48	254	0
2	11833.280	46.90	33.20	10.83	38.80	52.13	74.0	21.87	246	0
3	11849.310	48.60	33.20	10.83	38.81	53.82	74.0	20.18	284	0
4	11863.260	47.00	33.20	10.84	38.81	52.23	74.0	21.77	125	139
5	11879.200	50.10	33.20	10.85	38.81	55.34	74.0	18.66	109	0
6	11909.180	49.00	33.22	10.87	38.82	54.27	74.0	19.73	128	110
7	11938.960	47.70	33.28	10.89	38.82	53.05	74.0	20.95	108	0
8	11953.010	48.40	33.30	10.90	38.82	53.78	74.0	20.22	145	139
9	12042.560	49.50	33.30	10.89	38.82	54.87	74.0	19.13	174	134
----- VERTICAL -----										
10	11713.950	57.90	33.20	10.76	38.78	63.08	74.0	10.92	175	0
11	11729.780	52.60	33.20	10.76	38.79	57.77	74.0	16.23	108	0
12	11743.730	49.80	33.20	10.77	38.79	54.98	74.0	19.02	124	5
13	11759.770	50.10	33.20	10.77	38.79	55.28	74.0	18.72	138	0
14	11773.610	51.10	33.20	10.79	38.79	56.30	74.0	17.7	147	0
15	11789.650	54.10	33.20	10.80	38.80	59.30	74.0	14.7	126	0
16	11803.490	57.30	33.20	10.80	38.80	62.50	74.0	11.5	128	186
17	11819.530	51.80	33.20	10.82	38.80	57.02	74.0	16.98	356	176
18	11829.690	50.30	33.20	10.82	38.80	55.52	74.0	18.48	133	0
19	11833.480	57.80	33.20	10.82	38.80	63.02	74.0	10.98	185	186
20	11849.310	59.20	33.20	10.83	38.81	64.42	74.0	9.58	264	196
21	11863.360	49.10	33.20	10.84	38.81	54.33	74.0	19.67	108	0
22	11879.300	51.70	33.20	10.85	38.81	56.94	74.0	17.06	116	152
23	11893.140	50.60	33.20	10.86	38.81	55.85	74.0	18.15	125	0
24	11909.180	48.40	33.22	10.87	38.82	53.67	74.0	20.33	135	4
25	11923.030	56.10	33.25	10.88	38.82	61.41	74.0	12.59	147	214
26	11939.060	50.30	33.28	10.89	38.82	55.65	74.0	18.35	340	157
27	11944.940	52.50	33.29	10.90	38.82	57.87	74.0	16.13	201	0
28	11953.110	50.20	33.30	10.90	38.82	55.58	74.0	18.42	165	0
29	11968.950	47.10	33.30	10.91	38.83	52.48	74.0	21.52	205	0
30	11973.130	47.60	33.30	10.91	38.83	52.98	74.0	21.02	201	0
31	11989.860	50.80	33.30	10.92	38.83	56.19	74.0	17.81	115	186
32	11998.830	47.60	33.30	10.93	38.83	53.00	74.0	21	120	349
33	12012.670	53.90	33.30	10.92	38.83	59.29	74.0	14.71	142	181
34	12088.580	47.90	33.30	10.85	38.81	53.24	74.0	20.76	176	0
35	12118.260	55.60	33.30	10.81	38.80	60.91	74.0	13.09	126	206
36	12132.210	49.80	33.30	10.79	38.80	55.09	74.0	18.91	185	135
37	12148.240	49.20	33.30	10.78	38.79	54.49	74.0	19.51	171	21
38	12162.190	49.20	33.30	10.77	38.79	54.48	74.0	19.52	149	8
39	12192.170	48.30	33.30	10.74	38.78	53.56	74.0	20.44	152	358





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Radiated disturbance at (11.7 ~ 12.2) GHz _Average Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	DC 12	Test Frequency (Hz)	-

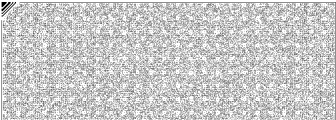
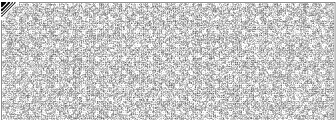
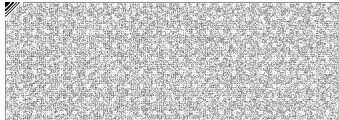
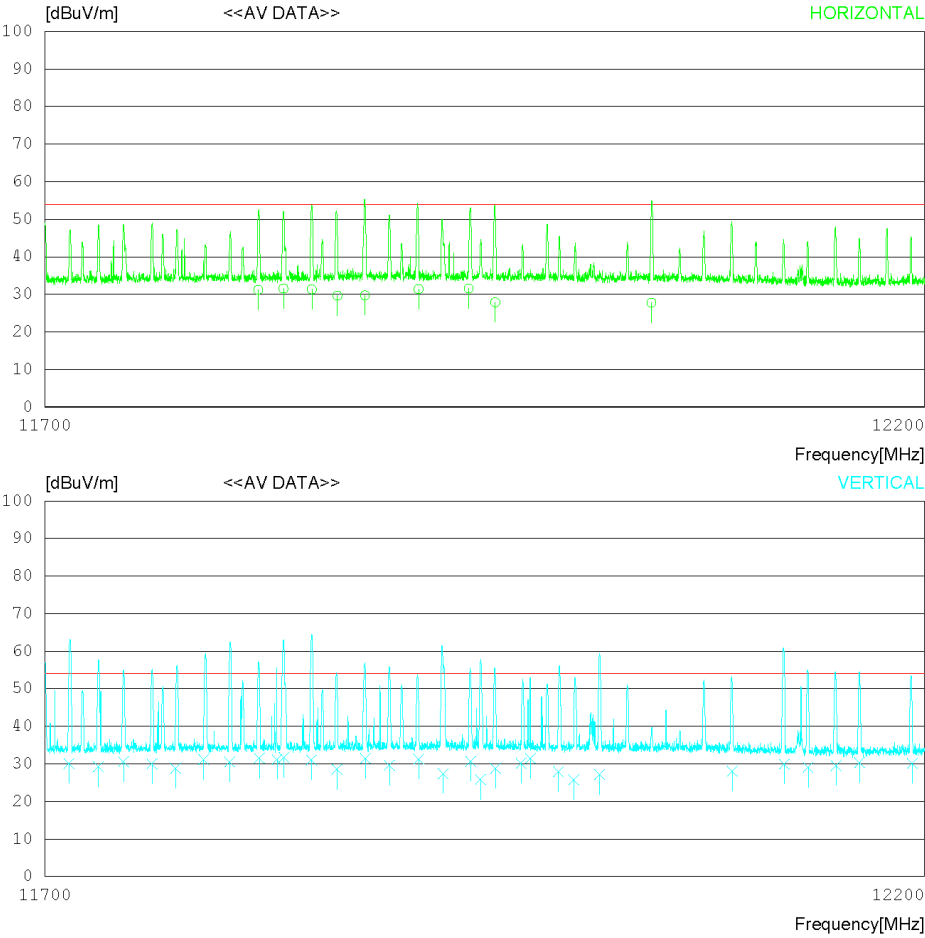
Date 2023-08-17

Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 'C 64 % R.H.
Test Condition X Band (10.525 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Date 2023-08-17

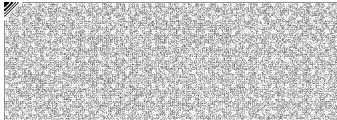
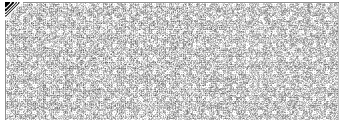
Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 'C 64 % R.H.
Test Condition X Band (10.525 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20

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	11819.230	26.00	33.20	10.82	38.80	31.22	54.00	22.78	258	5
2	11833.450	26.30	33.20	10.82	38.80	31.52	54.00	22.48	249	5
3	11849.450	26.10	33.20	10.83	38.81	31.32	54.00	22.68	287	6
4	11863.850	24.40	33.20	10.84	38.81	29.63	54.00	24.37	128	132
5	11879.470	24.50	33.20	10.85	38.81	29.74	54.00	24.26	102	4
6	11909.760	26.10	33.22	10.87	38.82	31.37	54.00	22.63	123	112
7	11938.240	26.20	33.28	10.89	38.82	31.55	54.00	22.45	103	5
8	11953.360	22.50	33.30	10.90	38.82	27.88	54.00	26.12	148	133
9	12042.480	22.40	33.30	10.89	38.82	27.77	54.00	26.23	176	137
----- VERTICAL -----										
10	11713.250	24.90	33.20	10.76	38.78	30.08	54.00	23.92	172	7
11	11729.750	24.10	33.20	10.76	38.79	29.27	54.00	24.73	104	5
12	11743.790	25.40	33.20	10.77	38.79	30.58	54.00	23.42	126	4
13	11759.720	24.80	33.20	10.77	38.79	29.98	54.00	24.02	134	6
14	11772.860	23.60	33.20	10.79	38.79	28.80	54.00	25.20	142	2
15	11788.640	25.90	33.20	10.80	38.80	31.10	54.00	22.90	128	3
16	11803.240	25.30	33.20	10.80	38.80	30.50	54.00	23.50	125	184
17	11819.860	26.30	33.20	10.82	38.80	31.52	54.00	22.48	353	172
18	11829.830	26.00	33.20	10.82	38.80	31.22	54.00	22.78	135	3
19	11833.720	26.50	33.20	10.82	38.80	31.72	54.00	22.28	182	183
20	11849.370	25.80	33.20	10.83	38.81	31.02	54.00	22.98	261	193
21	11863.680	23.30	33.20	10.84	38.81	28.53	54.00	25.47	104	2
22	11879.660	26.20	33.20	10.85	38.81	31.44	54.00	22.56	113	157
23	11893.280	24.40	33.20	10.86	38.81	29.65	54.00	24.35	129	3
24	11909.930	26.00	33.22	10.87	38.82	31.27	54.00	22.73	138	3
25	11923.760	22.10	33.25	10.88	38.82	27.41	54.00	26.59	142	215
26	11939.460	25.30	33.28	10.89	38.82	30.65	54.00	23.35	345	154
27	11944.910	20.50	33.29	10.90	38.82	25.87	54.00	28.13	208	3
28	11953.400	23.40	33.30	10.90	38.82	28.78	54.00	25.22	169	7
29	11968.050	24.80	33.30	10.90	38.82	30.18	54.00	23.82	202	6
30	11973.280	26.10	33.30	10.91	38.83	31.48	54.00	22.52	208	40
31	11989.280	22.50	33.30	10.92	38.83	27.89	54.00	26.11	116	184
32	11998.050	20.40	33.30	10.93	38.83	25.80	54.00	28.20	123	343
33	12012.830	21.80	33.30	10.92	38.83	27.19	54.00	26.81	149	188
34	12088.950	22.70	33.30	10.85	38.81	28.04	54.00	25.96	172	4
35	12118.890	24.60	33.30	10.81	38.80	29.91	54.00	24.09	129	208
36	12132.570	23.80	33.30	10.79	38.80	29.09	54.00	24.91	188	132
37	12148.870	24.20	33.30	10.78	38.79	29.49	54.00	24.51	177	27
38	12162.320	25.10	33.30	10.77	38.79	30.38	54.00	23.62	144	3
39	12192.860	24.90	33.30	10.74	38.78	30.16	54.00	23.84	158	354





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Radiated disturbance at (11.7 ~ 12.2) GHz _Peak Measurement data			
Test configuration mode	1	EUT Operation mode	2
Test voltage (V)	DC 12	Test Frequency (Hz)	-

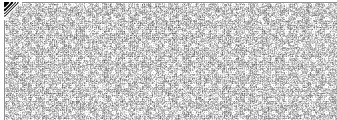
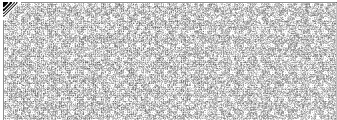
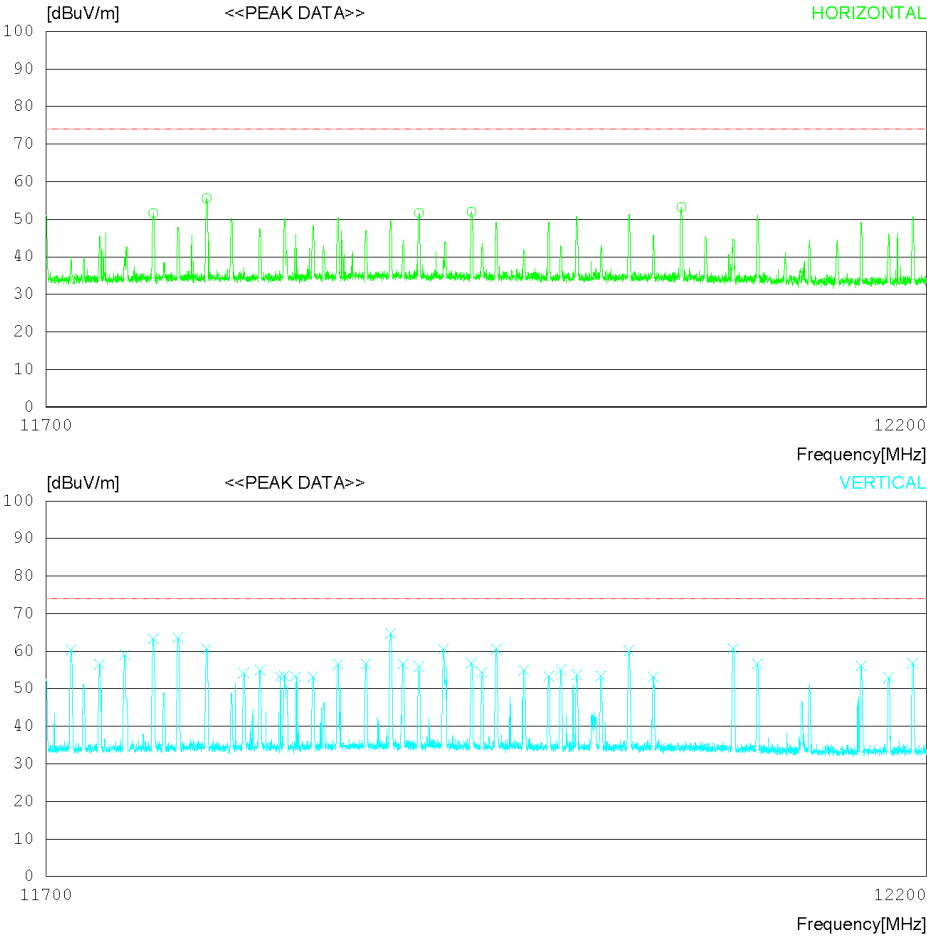
Date 2023-08-17

Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 °C 64 % R.H.
Test Condition K Band (24.150 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Date 2023-08-17

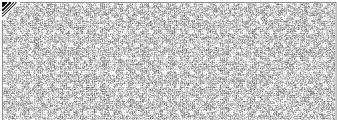
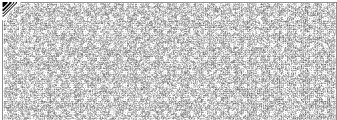
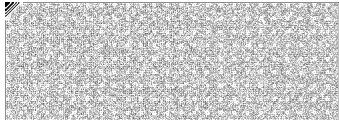
Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 °C 64 % R.H.
Test Condition K Band (24.150 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20

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	11759.770	46.40	33.20	10.77	38.79	51.58	74.0	22.42	127	358
2	11789.550	50.40	33.20	10.80	38.80	55.60	74.0	18.4	124	358
3	11909.180	46.40	33.22	10.87	38.82	51.67	74.0	22.33	364	275
4	11938.960	46.60	33.28	10.89	38.82	51.95	74.0	22.05	167	107
5	12058.690	47.90	33.30	10.87	38.82	53.25	74.0	20.75	206	127
----- VERTICAL -----										
6	11713.850	55.20	33.20	10.76	38.78	60.38	74.0	13.62	148	0
7	11729.780	51.30	33.20	10.76	38.79	56.47	74.0	17.53	138	99
8	11743.730	53.90	33.20	10.77	38.79	59.08	74.0	14.92	152	0
9	11759.770	58.10	33.20	10.77	38.79	63.28	74.0	10.72	109	0
10	11773.610	58.40	33.20	10.79	38.79	63.60	74.0	10.4	114	0
11	11789.550	55.40	33.20	10.80	38.80	60.60	74.0	13.4	119	212
12	11810.470	49.00	33.20	10.81	38.80	54.21	74.0	19.79	126	0
13	11819.530	49.70	33.20	10.82	38.80	54.92	74.0	19.08	138	0
14	11830.990	48.00	33.20	10.82	38.80	53.22	74.0	20.78	120	0
15	11833.380	48.20	33.20	10.82	38.80	53.42	74.0	20.58	126	40
16	11839.850	48.00	33.20	10.82	38.80	53.22	74.0	20.78	117	202
17	11849.310	47.90	33.20	10.83	38.81	53.12	74.0	20.88	109	309
18	11863.360	51.30	33.20	10.84	38.81	56.53	74.0	17.47	206	0
19	11879.300	51.40	33.20	10.85	38.81	56.64	74.0	17.36	285	193
20	11893.140	59.50	33.20	10.86	38.81	64.75	74.0	9.25	106	197
21	11900.120	51.40	33.20	10.86	38.81	56.65	74.0	17.35	178	0
22	11909.280	50.70	33.22	10.87	38.82	55.97	74.0	18.03	321	104
23	11923.030	55.20	33.25	10.88	38.82	60.51	74.0	13.49	154	179
24	11938.860	51.50	33.28	10.89	38.82	56.85	74.0	17.15	205	0
25	11945.040	49.00	33.29	10.90	38.82	54.37	74.0	19.63	208	174
26	11953.010	55.20	33.30	10.90	38.82	60.58	74.0	13.42	341	179
27	11968.850	49.50	33.30	10.91	38.83	54.88	74.0	19.12	106	0
28	11982.890	47.90	33.30	10.92	38.83	53.29	74.0	20.71	207	0
29	11989.860	49.60	33.30	10.92	38.83	54.99	74.0	19.01	236	0
30	11998.930	48.30	33.30	10.93	38.83	53.70	74.0	20.3	208	99
31	12012.770	48.00	33.30	10.92	38.83	53.39	74.0	20.61	118	0
32	12028.710	54.80	33.30	10.90	38.82	60.18	74.0	13.82	116	0
33	12042.660	47.70	33.30	10.89	38.82	53.07	74.0	20.93	105	0
34	12088.380	55.30	33.30	10.85	38.81	60.64	74.0	13.36	208	0
35	12102.320	51.30	33.30	10.82	38.81	56.61	74.0	17.39	124	0
36	12162.190	50.80	33.30	10.77	38.79	56.08	74.0	17.92	103	0
37	12178.130	47.70	33.30	10.75	38.79	52.96	74.0	21.04	208	0
38	12191.970	51.50	33.30	10.74	38.78	56.76	74.0	17.24	234	0





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Radiated disturbance at (11.7 ~ 12.2) GHz _Average Measurement data			
Test configuration mode	1	EUT Operation mode	2
Test voltage (V)	DC 12	Test Frequency (Hz)	-

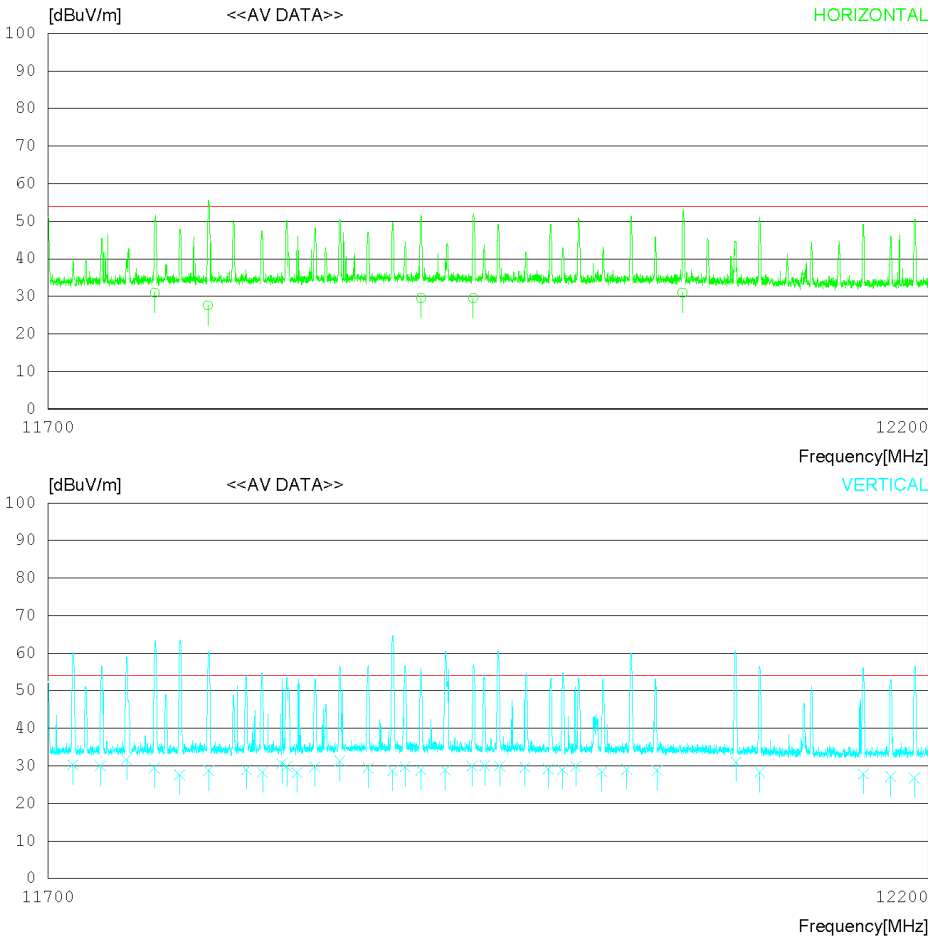
Date 2023-08-17

Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 'C 64 % R.H.
Test Condition K Band (24.150 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Date 2023-08-17

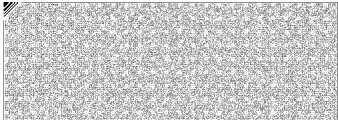
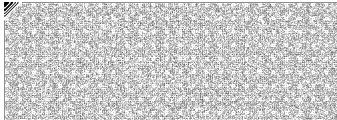
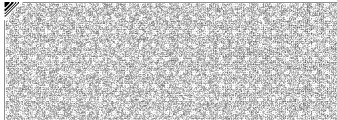
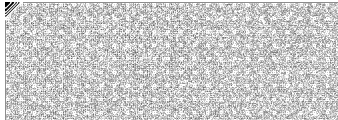
Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 'C 64 % R.H.
Test Condition K Band (24.150 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20

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	11759.350	25.80	33.20	10.77	38.79	30.98	54.00	23.02	126	352
2	11789.120	22.40	33.20	10.80	38.80	27.60	54.00	26.40	125	353
3	11909.190	24.30	33.22	10.87	38.82	29.57	54.00	24.43	323	273
4	11938.750	24.20	33.28	10.89	38.82	29.55	54.00	24.45	164	103
5	12058.120	25.60	33.30	10.87	38.82	30.95	54.00	23.05	207	123
----- VERTICAL -----										
6	11713.620	25.10	33.20	10.76	38.78	30.28	54.00	23.72	142	34
7	11729.120	24.80	33.20	10.76	38.79	29.97	54.00	24.03	132	92
8	11743.750	26.50	33.20	10.77	38.79	31.68	54.00	22.32	156	36
9	11759.340	24.30	33.20	10.77	38.79	29.48	54.00	24.52	102	32
10	11773.240	22.40	33.20	10.79	38.79	27.60	54.00	26.40	111	54
11	11789.640	23.50	33.20	10.80	38.80	28.70	54.00	25.30	112	218
12	11810.840	23.80	33.20	10.81	38.80	29.01	54.00	24.99	122	2
13	11819.840	23.10	33.20	10.82	38.80	28.32	54.00	25.68	135	34
14	11830.690	25.40	33.20	10.82	38.80	30.62	54.00	23.38	124	7
15	11833.580	24.60	33.20	10.82	38.80	29.82	54.00	24.18	122	42
16	11839.380	23.00	33.20	10.82	38.80	28.22	54.00	25.78	114	206
17	11849.340	24.50	33.20	10.83	38.81	29.72	54.00	24.28	105	303
18	11863.330	26.10	33.20	10.84	38.81	31.33	54.00	22.67	204	6
19	11879.380	24.20	33.20	10.85	38.81	29.44	54.00	24.56	281	191
20	11893.180	23.40	33.20	10.86	38.81	28.65	54.00	25.35	109	193
21	11900.150	24.50	33.20	10.86	38.81	29.75	54.00	24.25	169	5
22	11909.230	23.60	33.22	10.87	38.82	28.87	54.00	25.13	327	107
23	11923.060	23.50	33.25	10.88	38.82	28.81	54.00	25.19	159	173
24	11938.250	24.60	33.28	10.89	38.82	29.95	54.00	24.05	202	2
25	11945.370	24.70	33.29	10.90	38.82	30.07	54.00	23.93	201	176
26	11953.830	24.60	33.30	10.90	38.82	29.98	54.00	24.02	343	172
27	11968.230	24.30	33.30	10.90	38.82	29.68	54.00	24.32	102	34
28	11981.430	23.80	33.30	10.92	38.83	29.19	54.00	24.81	203	64
29	11989.540	23.60	33.30	10.92	38.83	28.99	54.00	25.01	232	34
30	11997.350	24.50	33.30	10.93	38.83	29.90	54.00	24.10	205	155
31	12011.930	23.10	33.30	10.92	38.83	28.49	54.00	25.51	112	7
32	12026.260	23.70	33.30	10.91	38.82	29.09	54.00	24.91	113	2
33	12043.650	23.40	33.30	10.89	38.82	28.77	54.00	25.23	112	6
34	12088.860	25.70	33.30	10.85	38.81	31.04	54.00	22.96	204	23
35	12102.660	23.00	33.30	10.82	38.81	28.31	54.00	25.69	121	64
36	12162.440	22.60	33.30	10.77	38.79	27.88	54.00	26.12	106	23
37	12178.060	21.90	33.30	10.75	38.79	27.16	54.00	26.84	207	6
38	12191.780	21.60	33.30	10.74	38.78	26.86	54.00	27.14	234	4





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Radiated disturbance at (11.7 ~ 12.2) GHz _Peak Measurement data			
Test configuration mode	1	EUT Operation mode	3
Test voltage (V)	DC 12	Test Frequency (Hz)	-

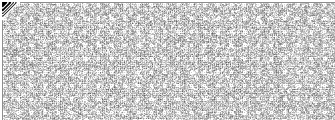
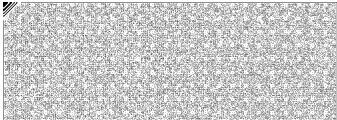
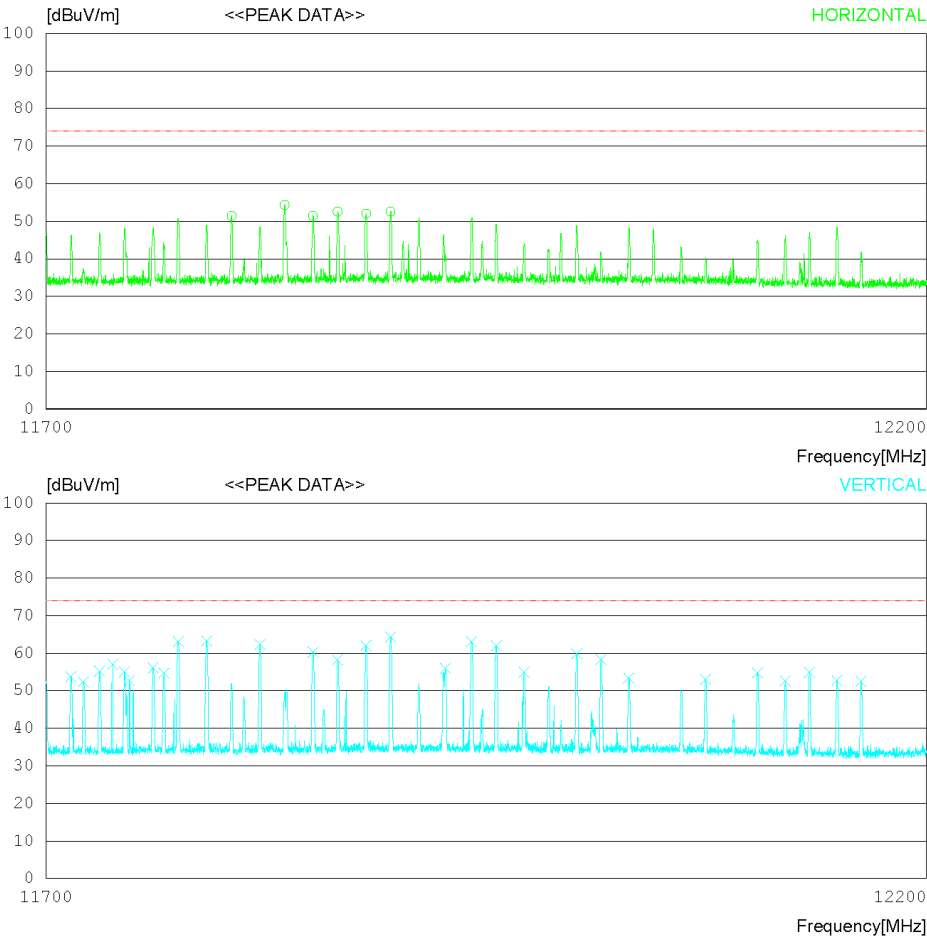
Date 2023-08-17

Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 'C 64 % R.H.
Test Condition Ka Band (34.7 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20





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Date 2023-08-17

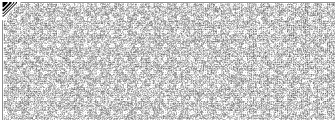
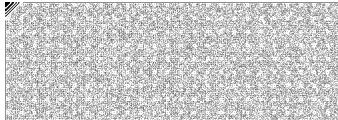
Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 °C 64 % R.H.
Test Condition Ka Band (34.7 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20

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	11803.590	46.20	33.20	10.80	38.80	51.40	74.0	22.6	269	152
2	11833.380	49.10	33.20	10.82	38.80	54.32	74.0	19.68	262	358
3	11849.310	46.20	33.20	10.83	38.81	51.42	74.0	22.58	265	283
4	11863.160	47.30	33.20	10.84	38.81	52.53	74.0	21.47	259	136
5	11879.300	46.80	33.20	10.85	38.81	52.04	74.0	21.96	374	358
6	11893.140	47.30	33.20	10.86	38.81	52.55	74.0	21.45	139	358
----- VERTICAL -----										
7	11713.850	48.60	33.20	10.76	38.78	53.78	74.0	20.22	120	10
8	11720.820	47.20	33.20	10.76	38.79	52.37	74.0	21.63	136	0
9	11729.780	50.10	33.20	10.76	38.79	55.27	74.0	18.73	129	0
10	11737.150	51.90	33.20	10.76	38.79	57.07	74.0	16.93	154	0
11	11743.630	49.80	33.20	10.77	38.79	54.98	74.0	19.02	146	53
12	11746.520	47.50	33.20	10.77	38.79	52.68	74.0	21.32	125	0
13	11759.670	50.90	33.20	10.77	38.79	56.08	74.0	17.92	196	90
14	11765.740	49.50	33.20	10.78	38.79	54.69	74.0	19.31	265	0
15	11773.710	57.90	33.20	10.79	38.79	63.10	74.0	10.9	294	193
16	11789.650	58.00	33.20	10.80	38.80	63.20	74.0	10.8	129	188
17	11819.530	57.10	33.20	10.82	38.80	62.32	74.0	11.68	264	0
18	11849.310	55.10	33.20	10.83	38.81	60.32	74.0	13.68	234	0
19	11863.260	53.00	33.20	10.84	38.81	58.23	74.0	15.77	263	177
20	11879.200	56.80	33.20	10.85	38.81	62.04	74.0	11.96	209	208
21	11893.140	59.00	33.20	10.86	38.81	64.25	74.0	9.75	113	0
22	11924.120	50.70	33.25	10.88	38.82	56.01	74.0	17.99	205	188
23	11938.860	57.70	33.28	10.89	38.82	63.05	74.0	10.95	142	193
24	11953.010	56.60	33.30	10.90	38.82	61.98	74.0	12.02	106	0
25	11968.850	49.60	33.30	10.91	38.83	54.98	74.0	19.02	129	188
26	11998.930	54.50	33.30	10.93	38.83	59.90	74.0	14.1	207	188
27	12012.770	52.90	33.30	10.92	38.83	58.29	74.0	15.71	136	0
28	12028.710	48.00	33.30	10.90	38.82	53.38	74.0	20.62	203	102
29	12072.540	47.70	33.30	10.86	38.81	53.05	74.0	20.95	174	118
30	12102.420	49.50	33.30	10.82	38.81	54.81	74.0	19.19	145	123
31	12118.360	47.30	33.30	10.81	38.80	52.61	74.0	21.39	113	9
32	12132.300	49.60	33.30	10.79	38.80	54.89	74.0	19.11	139	0
33	12148.240	47.50	33.30	10.78	38.79	52.79	74.0	21.21	209	9
34	12162.090	47.20	33.30	10.77	38.79	52.48	74.0	21.52	360	0





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Radiated disturbance at (11.7 ~ 12.2) GHz _Average Measurement data			
Test configuration mode	1	EUT Operation mode	3
Test voltage (V)	DC 12	Test Frequency (Hz)	-

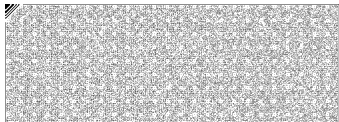
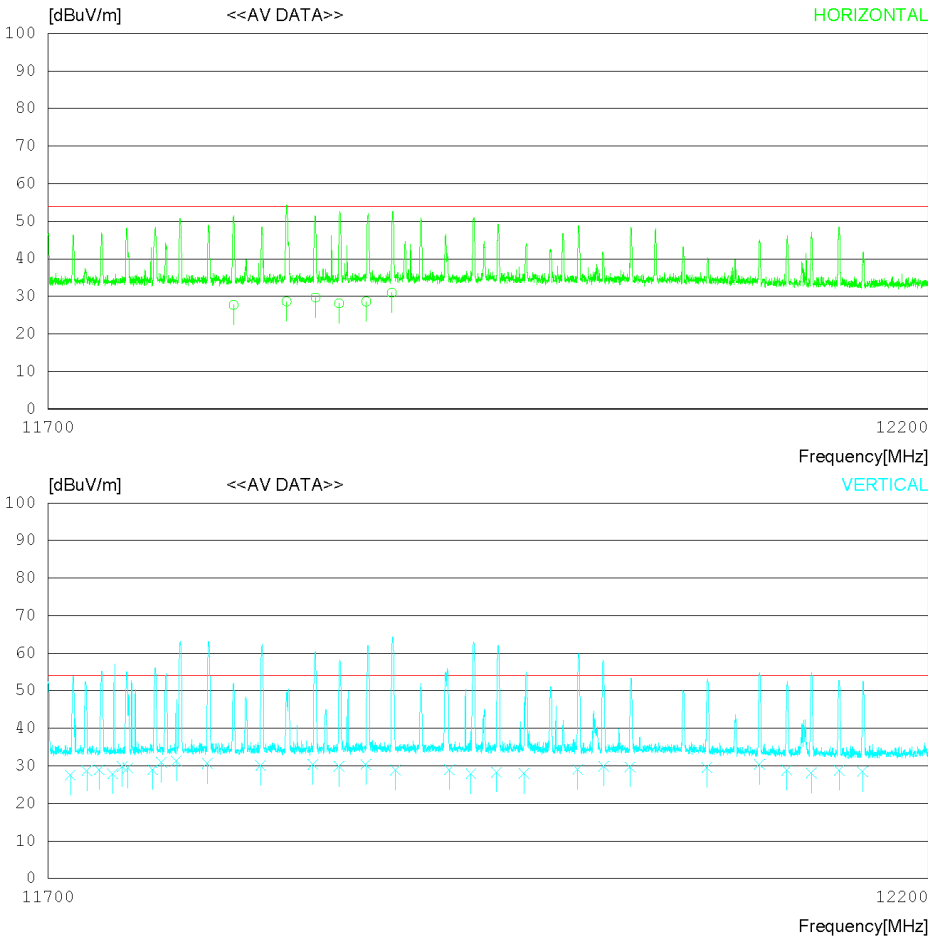
Date 2023-08-17

Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 °C 64 % R.H.
Test Condition Ka Band (34.7 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20





Report No.: DREKFCC2308-0116
(FCC ID : BBOST55R)



Date 2023-08-17

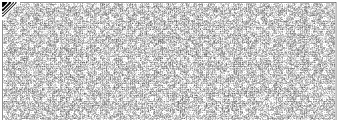
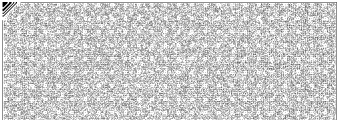
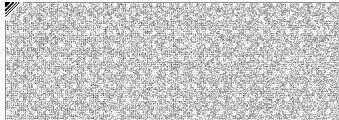
Order No. DTNC2305-03168
Power Supply DC 12 V
Temp/Humi 21 'C 64 % R.H.
Test Condition Ka Band (34.7 GHz)

Memo

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

Antenna Factor
1. EMC-233-A_EM-6969_156_2022.12.20
Cable Loss
1. #27_C1_Ant to Bottom_3m_1-18G_2022-09-15
2. #28_C2_Bottom to Amp(Filter,Receiver)_3m_1-18G_2022-09-15
Pre Amp Gain
1. EMC-233-M_MLA-0618-B03-34_2022.12.20

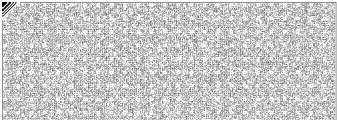
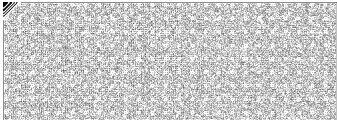
No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	11803.570	22.50	33.20	10.80	38.80	27.70	54.00	26.30	262	156
2	11833.360	23.40	33.20	10.82	38.80	28.62	54.00	25.38	260	354
3	11849.580	24.50	33.20	10.83	38.81	29.72	54.00	24.28	264	282
4	11862.930	22.90	33.20	10.84	38.81	28.13	54.00	25.87	255	132
5	11878.230	23.40	33.20	10.85	38.81	28.64	54.00	25.36	371	351
6	11892.590	25.70	33.20	10.86	38.81	30.95	54.00	23.05	126	351
----- VERTICAL -----										
7	11712.390	22.40	33.20	10.75	38.78	27.57	54.00	26.43	113	15
8	11721.590	23.50	33.20	10.76	38.79	28.67	54.00	25.33	132	5
9	11728.520	23.80	33.20	10.76	38.79	28.97	54.00	25.03	124	9
10	11735.840	22.70	33.20	10.76	38.79	27.87	54.00	26.13	151	23
11	11741.340	24.60	33.20	10.77	38.79	29.78	54.00	24.22	149	51
12	11744.460	24.20	33.20	10.77	38.79	29.38	54.00	24.62	131	43
13	11758.150	23.80	33.20	10.77	38.79	28.98	54.00	25.02	199	95
14	11763.180	25.80	33.20	10.78	38.79	30.99	54.00	23.01	269	45
15	11771.580	26.10	33.20	10.79	38.79	31.30	54.00	22.70	298	198
16	11788.930	25.40	33.20	10.80	38.80	30.60	54.00	23.40	122	183
17	11818.950	24.90	33.20	10.82	38.80	30.12	54.00	23.88	261	3
18	11848.190	25.20	33.20	10.83	38.81	30.42	54.00	23.58	231	2
19	11862.890	24.60	33.20	10.84	38.81	29.83	54.00	24.17	268	171
20	11878.000	25.10	33.20	10.85	38.81	30.34	54.00	23.66	214	209
21	11894.750	23.60	33.20	10.87	38.81	28.86	54.00	25.14	118	20
22	11925.180	23.70	33.25	10.88	38.82	29.01	54.00	24.99	211	186
23	11937.540	22.60	33.28	10.89	38.82	27.95	54.00	26.05	146	192
24	11952.120	23.00	33.30	10.90	38.82	28.38	54.00	25.62	119	53
25	11967.660	22.60	33.30	10.90	38.82	27.98	54.00	26.02	122	186
26	11998.270	23.70	33.30	10.93	38.83	29.10	54.00	24.90	221	195
27	12012.970	24.50	33.30	10.92	38.83	29.89	54.00	24.11	139	54
28	12028.260	24.30	33.30	10.90	38.82	29.68	54.00	24.32	223	125
29	12072.190	24.20	33.30	10.86	38.81	29.55	54.00	24.45	170	126
30	12102.370	25.10	33.30	10.82	38.81	30.41	54.00	23.59	149	123
31	12118.180	23.60	33.30	10.81	38.80	28.91	54.00	25.09	116	29
32	12132.240	22.80	33.30	10.79	38.80	28.09	54.00	25.91	132	35
33	12148.480	23.50	33.30	10.78	38.79	28.79	54.00	25.21	202	19
34	12161.850	23.20	33.30	10.77	38.79	28.48	54.00	25.52	362	120



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)	Test configuration mode	N/A	
	EUT Operation mode	N/A	

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





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Antenna Power Conduction _Measurement data graph			
Test configuration mode	N/A	EUT Operation mode	N/A
Test voltage (V)	N/A	Test Frequency (Hz)	N/A
N/A			

Conducted differential voltage disturbance _Measurement data list					
Test configuration mode		N/A	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)	-		-	-	





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(FCC ID : BBOST55R)



8. Revision History

Date	Report No.	Description	Revised By	Reviewed By
Aug. 18. 2023	DREKFCC2308-0116	Initial report	MyungSuk Oh	HyungJun Kim

-End of test report-

