

TEST REPORT

**STANDARD : FCC Part15B Class B -Scanning Receiver-
RSS-135 Issue 2, RSS-215 Issue 2**

Applicant	Testing Laboratory
JVCKENWOOD Corporation 1-16-2, Hakusan, Midori-ku, Yokohama-shi Kanagawa, 226-8525 Japan Tel.: +81 45 939 6254 / Fax.: +81 45 939 7097	Intertek Japan K.K. Matsuda Laboratory (Open area test site) 1283 Yadoriki, Matsuda-machi, Ashigarakami-gun, Kanagawa-ken, 258-0001 Japan Tel.: +81 465 89 2316 URL: http://www.japan.intertek-etlsemko.com

Equipment Type	144/220/430MHz TRIBANDER
Trademark	KENWOOD
Model(s)	TH-D75A
Serial No.	FES1 K-50
Equipment Authorization	Certification
FCC ID	K44521000
ISED CN and UPN No.	282F-521000
PMN and HVIN (ISED)	TH-D75A
Test Result	Complied
Report Number	23070289JMA-002
Original Issue Date	October 17, 2023

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Approved by H. Kosemura
Hideaki Kosemura
[Reviewer]

Tested by Y. Yoneyama
Yoshiaki Yoneyama
[Engineer]



NVLAP LAB CODE 600234-0
NVLAP accreditation are valid for RSS-135 and SS-215.
FCC Part15C is outside the NVLAP scope.
This report contains data that are not covered by the NVLAP accreditation.

Tested by Daichi Mitsunaga
Daichi Mitsunaga
[Engineer]

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Responsible Party of Test Item (Product)

Responsible Party	:
Add.	:
Tel.	:
Fax.	:
Contact Person	:

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SECTION 1. GENERAL INFORMATION

Test Performed

EUT Received	September 1, 2023
Date of Test	From September 6, 2023 to October 4, 2023
Tested Location	Matsuda No.1 and No.2 test site
Standard Applied	FCC Part15B -Scanning Receiver- RSS-135 Issue 2, RSS-215 Issue 2
Test methods	ANSI C63.4-2014 RSS-GEN Issue 5
Deviation from Standard(s)	None

As for the FCC Part15B Class B "Peripherals", the EUT has been measured.

Refer to report No. 23070289JMA-003.

As for the ICES-003 "Digital Apparatus", the EUT has been measured.

Refer to report No. 23070289JMA-004.

Qualifications of Testing Laboratory

Accreditation/Recognition	Scope	Lab. Code	Remarks
VLAC	Wireless / EMC Testing	VLAC-008-3	JAPAN
NVLAP	Wireless / EMC Testing	600234-0	USA
FCC	Wireless / EMC Testing	JP0009	USA
ISED	Wireless Testing	JP0004 (CABID)	CANADA
BSMI	EMC Testing	SL2-IN-E-6009	TAIWAN
SABS	EMC Testing	N/A	South Africa
Filing			
VCCI	EMC Testing	A-0127	JAPAN

Abbreviations

EUT	Equipment Under Test	DoC	Declaration of Conformity
AE	Associated Equipment	SDoC	Supplier's Declaration of Conformity
AMN	Artificial Mains Network	ISN	Impedance Stabilization Network
LISN	Line Impedance Stabilization Network	CDN	Coupling Decoupling Network
AMP	Amplifier	Q-P	Quasi-peak
ATT	Attenuator	AVG	Average
ANT	Antenna	PK	Peak
BBA	Broadband Antenna	Cal	Calibration
DIP	Dipole Antenna	LCD	Liquid-Crystal Display
HDMI	High-Definition Multimedia Interface	N/A	Not applicable or Not available

SECTION 2. SUMMARY OF TEST RESULTS

See Section9 for the detailed result.

Emission Tests

Standard Applied	FCC Part15B Class B -Scanning Receiver- RSS-135 Issue 2, RSS-215 Issue 2		
Test Item	Minimum margin	Results	Remarks
Conducted disturbance at mains terminals	4.0 dB (0.2080 MHz) [Q-P] VFO SCAN mode (216.000 - 259.995 MHz : Band A)	Pass	-
Radiated disturbance	4.2 dB (672.00 MHz) VFO SCAN mode (410.000 - 469.995 MHz : Band A)	Pass	-

Test Item	Results	Remarks
38dB Rejection test (15.121(b))	Pass	See Note

Note : No frequency of response was detected.

SECTION 3. EQUIPMENT UNDER TEST

The equipment under test (EUT) consisted of the following apparatus.

The information of this section is provided by the Applicant or customer. Intertek doesn't take any responsibility for the information.

3.1 System Configuration

Symbol	Item	Model No.	Serial No.	Manufacturer	Remarks
A	144/220/430MHz TRIBANDER	TH-D75A	FES1 K-50	JVCKENWOOD Corporation	-
Rated Power :		DC IN Jack : DC13.8 V (DC11.7 V - 15.9 V) Battery Terminal : DC7.4 V (DC5.6 V - 10.2 V)			
Supplied Power : DC13.8 V (DC Power Supply : AC120 V, 60 Hz)					
Condition of Equipment		Prototype			
Type		Tabletop (Handheld type)			
Dimensions (W x H x D)		56 x 119.8 x 33.9 mm (with Battery : KNB-75LA)			
Firmware Version		Ver: V0.01.009			
Suppression Devices		No Modifications by the laboratory were made to the device			

3.2 Interface(s)

Interface	Connector Type	Connector Pin	Remarks
DC IN Jack	3.5φ	2 pin	-
MIC Jack	3.5φ	3 pin	-
SP Jack	2.5φ	3 pin	-
USB connector	Type-C	5 pin	-
microSD memory card slot	microSD Slot	12 pin	-
Antenna connector	SMA 5.35φ	2 pin	-
Battery terminal	BZ Type	3 pin	-

3.3 Highest Frequency Generated / Used

Operating Frequency	Operating mode	Remarks
1.6 GHz	Receive mode / VFO SCAN mode	GPS
4960 MHz	Receive mode / VFO SCAN mode	Bluetooth

3.4 Overview of EUT

Frequency Ranges	136 – 174 MHz , 216 – 260 MHz and 410 – 470 MHz (Band A) 0.1 – 524 MHz (Band B)
Conversion Type	Double conversion (F3E, F1D, F2D, F7W) Triple conversion (A1A, A3E, J3E)

3.5 Intermediate frequency

1st	57.15 MHz (Band A) or 58.05 MHz (Band B)
2nd	450 kHz (Band A and Band B)
3rd	10.8 kHz (Band B)

SECTION 4. SUPPORT EQUIPMENT

The EUT was supported by the following equipment during the test.

Symbol	Item	Model No.	Serial No.	Manufacturer	Remarks	FCC ID
B	WHIP Antenna	T9A-0034-00	No.04	JVCKENWOOD	-	N/A
C	Li-ion Battery	KNB-75LA	3122A	JVCKENWOOD	-	N/A
D	microSD card	SDSQXAT-032G-JN3MD	23140VT570KX	SanDisk	-	DoC
E	Speaker Microphone	KMC-45D	No.001	JVCKENWOOD	-	N/A
F	DC Power Supply	PS-60	11/01 00148	JVCKENWOOD	-	N/A
G	Personal Computer	HP 280 C3 SFF	8CG9237KKC	HP	-	DoC
H	LCD Monitor	V203p	6CM92110KR	HP	-	DoC
I	Keyboard	SK-2120	BEXKE0CCPC04AE	HP	-	DoC
J	Mouse	MOFYUO	FCMHH0AFAC78L4	HP	-	DoC
K	Hub	TL-SG105	001	TP-Link	-	DoC
L	AC Adapter	T090060-2B1	001	TP-Link	-	N/A
Supplied Power:						
F, G, H, L	AC120 V, 60 Hz					

Note: The information of Symbol B, C, D, E and F is provided by the Applicant or customer. Intertek doesn't take any responsibility for the information.

SECTION 5. USED CABLE(S)

The following cable(s) was used for the test.

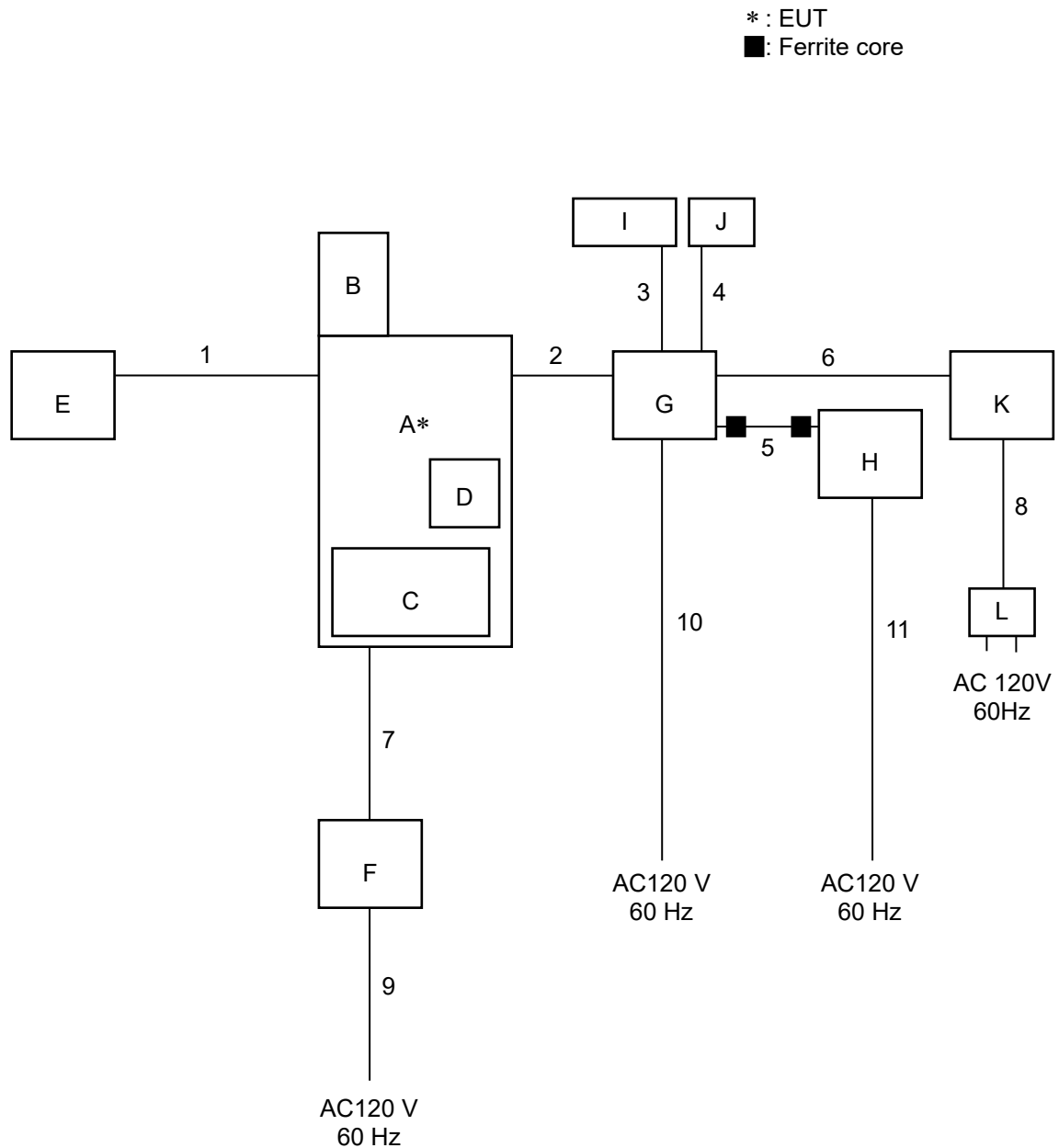
No.	Name	Length (m)	Shield	Metal Connector	Ferrite Core
1	Speaker Microphone Cable	0.55	No	No	-
2	USB Cable	1.00	Yes	Yes	-
3	Keyboard Cable	1.80	Yes	Yes	-
4	Mouse Cable	1.70	Yes	Yes	-
5	Video Cable	1.40	Yes	Yes	Fixed x 2
6	LAN Cable	1.00	No	No	-
7	Power cable for TH-D75A (DC)	1.40	No	No	-
8	Power cable for Hub (DC)	1.40	No	No	-
9	Power cable for DC Power Supply (AC: 3 core)	1.75	No	No	-
10	Power cable for Personal Computer (AC: 3 core)	1.80	No	No	-
11	Power cable for LCD Moitor (AC: 3 core)	1.50	No	No	-

Note:

1. The information of No.1 No.2, No.7 and No.9 cables is provided by the Applicant or customer. Intertek doesn't take any responsibility for the information.
2. Two cores of No. 5 cable are supplied together with LCD Monitor (H).

SECTION 6. TEST CONFIGURATION

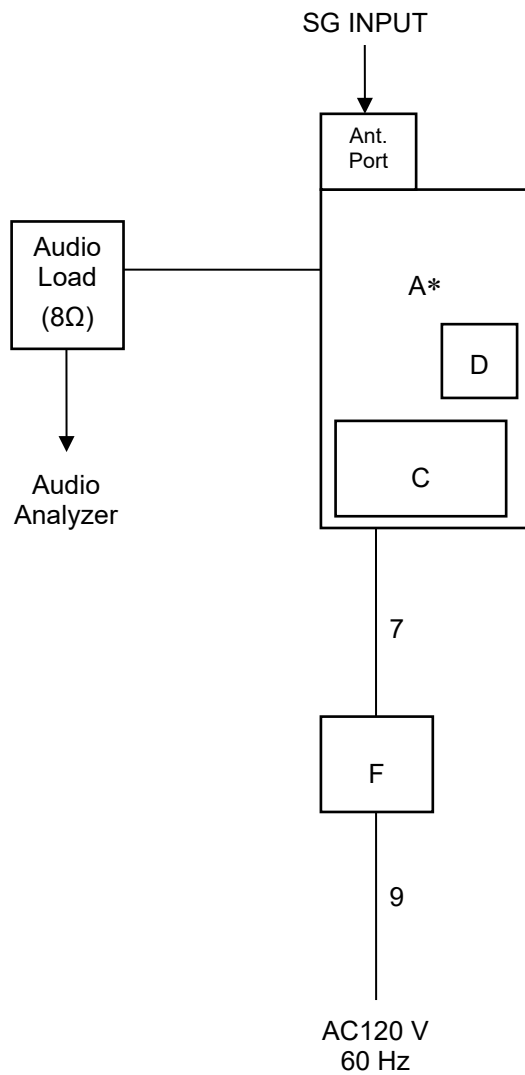
6.1 Conducted disturbance at mains terminals Tests and Radiated disturbance tests



The symbols and numbers assigned to the equipments and cables on this diagram correspond to the ones in Sections 3 to 5.

6.2 38dB Rejection tests

* : EUT
■ : Ferrite core



The symbols and numbers assigned to the equipments and cables on this diagram correspond to the ones in Sections 3 to 5.

SECTION 7. OPERATING CONDITION

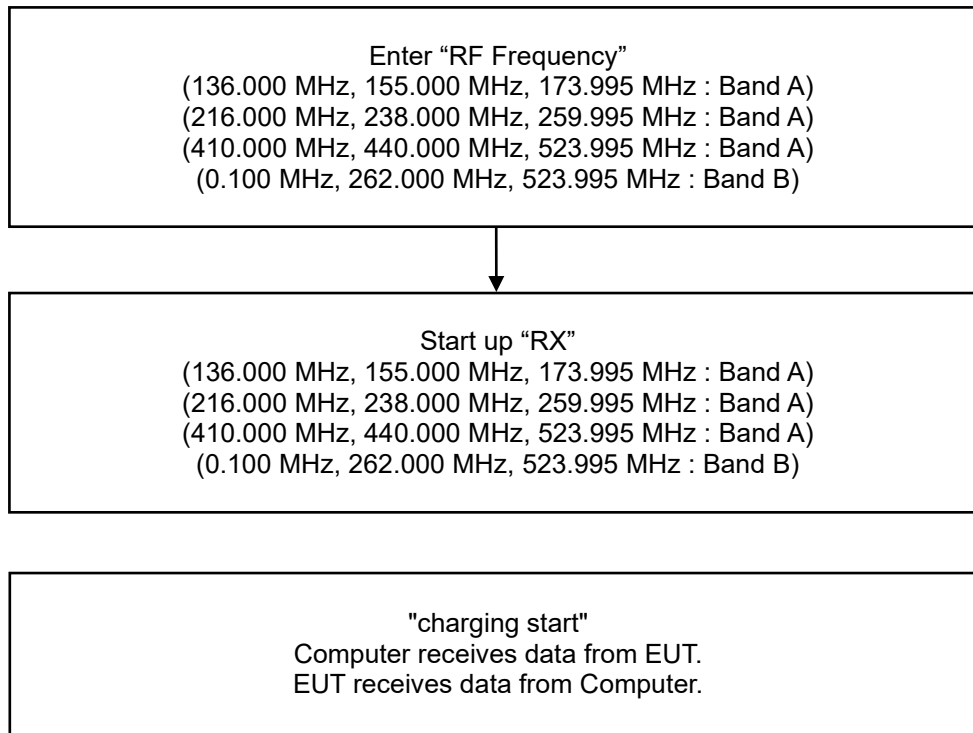
The test was carried out under the following mode.

The information of this section is provided by the Applicant or customer. Intertek doesn't take any responsibility for the information.

7.1 Receive mode

Cycle time for operation: Continuity

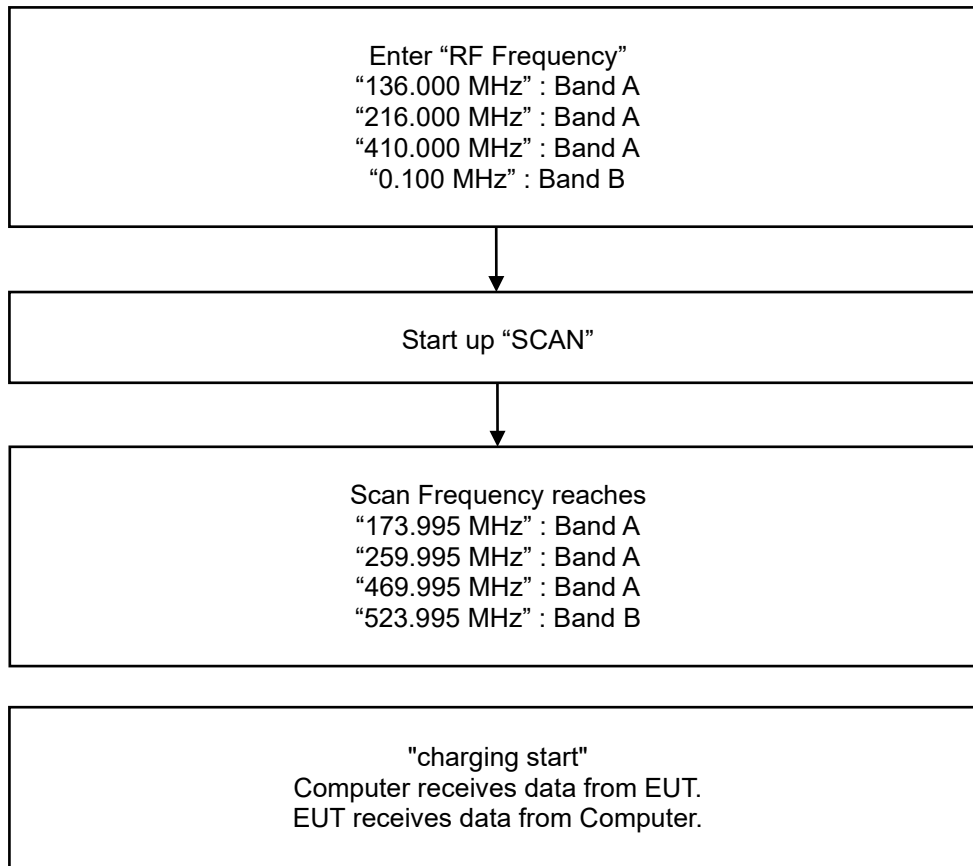
Test Program: Aoterm Ver.2.11



7.2 VFO SCAN mode

Cycle time for operation: Continuity

Test Program: Aoterm Ver.2.11



SECTION 8. UNCERTAINTY

Traceability to national standard in SI units is ensured with these values.

Compliance with the limits in this standard are determined without in consideration of the measurement uncertainty of the measurement instrumentation.

8.1 Emission tests

Radiated disturbance at 3m	$U_{lab} [k = 2]$	U_{cispr}
30 MHz – 1000 MHz	+/- 5.21 dB	6.3 dB
Above 1 GHz	+/- 4.82 dB	5.2 dB
Radiated disturbance at 10m		
30 MHz – 1000 MHz	+/- 5.29 dB	6.3 dB
Above 1 GHz	-	-
Radiated disturbance at 30m		
	N/A	Nil
Conducted disturbance at mains terminals		
9 kHz – 150 kHz	+/- 1.49 dB	3.8 dB
150 kHz – 30 MHz	+/- 1.56 dB	3.4 dB
Conducted disturbance at telecommunication ports (ISN)		
150 kHz – 30 MHz	+/- 3.22 dB	5.0 dB
Conducted disturbance at telecommunication ports (Capacitive Voltage Probe)		
150 kHz – 30 MHz	+/- 2.92 dB	3.9 dB
Conducted disturbance at telecommunication ports (Current Probe)		
150 kHz – 30 MHz	+/- 1.65 dB	2.9 dB
Conducted disturbance at terminals		
150 kHz – 30 MHz	+/- 1.52 dB	2.9 dB
Disturbance power		
30 MHz – 300 MHz	+/- 2.83 dB	4.5 dB
38dB Rejection		
2.5 kHz – 1300 MHz	+/- 0.64 dB	Nil

The above expanded instrumentation uncertainty, U_{lab} , is estimated in accordance with CISPR 16-4-2 Ed.2.2:2018.

SECTION 9. EVALUATION OF TEST RESULTS

9.1 Emission tests

9.1.1 Conducted disturbance at mains terminals

Location	Matsuda No.2 Test Site
Test Engineer	Daichi Mitsunaga

Frequency Range of Measurements

Required Measurement Frequency Range	Measured Frequency Range
0.15 – 30 MHz	0.15 – 30 MHz

Test Procedure

Item	Document number
Conducted disturbance at mains terminals	LEN-RJP-EM001

Setting for the Measuring instruments

Instrument	Detector	Resolution Bandwidth	Video Bandwidth
Receiver	Quasi Peak	9 kHz	N/A
	Average	9 kHz	N/A

< Measurement data correction >

Emission Level [dBuV] = Meter Reading [dBuV] + Factor [dB]

Margin [dB] = Limit [dBuV] - Emission Level [dBuV]

Factor [dB] = LISN Factor [dB] + Cable Loss [dB] + Attenuator [dB]

< Sample Calculations >

Sample @0.2119 MHz (Receive mode (136.000 MHz : Band A))

Emission Level = 46.2 [dBuV] + 10.1 [dB] = 56.3 [dBuV]

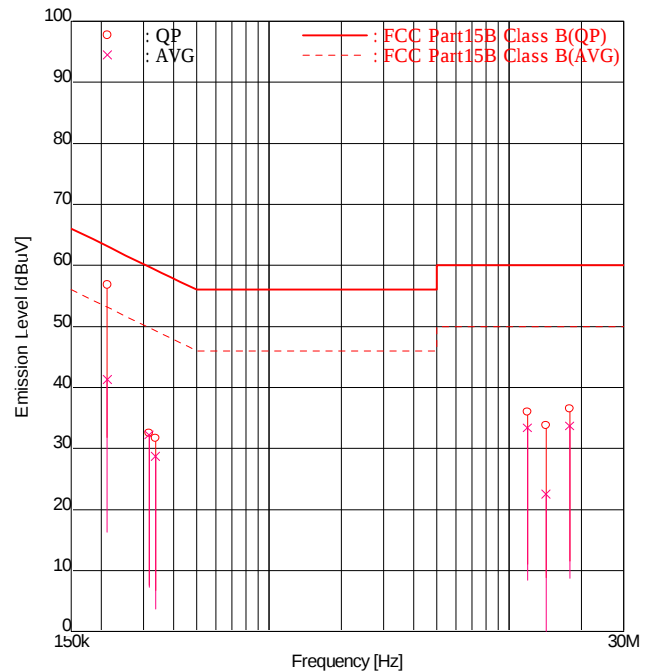
Result of Conducted disturbance at mains terminals
9.1.1.1 Receive mode (136.000 MHz : Band A)

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Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 136.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	46.2	<u>46.6</u>	10.1	10.2	56.3	<u>56.8</u>	63.1	6.8	<u>6.3</u>
2	0.2119	AVG	29.7	<u>31.1</u>	10.1	10.2	39.8	<u>41.3</u>	53.1	13.3	<u>11.8</u>
3	0.3166	QP	10.9	<u>22.2</u>	10.2	10.3	21.1	<u>32.5</u>	59.8	38.7	<u>27.3</u>
4	0.3166	AVG	9.2	<u>21.9</u>	10.2	10.3	19.4	<u>32.2</u>	49.8	30.4	<u>17.6</u>
5	0.3366	QP	7.0	<u>21.4</u>	10.2	10.3	17.2	<u>31.7</u>	59.3	42.1	<u>27.6</u>
6	0.3366	AVG	3.2	<u>18.4</u>	10.2	10.3	13.4	<u>28.7</u>	49.3	35.9	<u>20.6</u>
7	11.9228	QP	24.9	<u>24.8</u>	11.1	11.2	36.0	<u>36.0</u>	60.0	24.0	<u>24.0</u>
8	11.9228	AVG	21.9	<u>22.2</u>	11.1	11.2	33.0	<u>33.4</u>	50.0	17.0	<u>16.6</u>
9	14.2670	QP	21.4	<u>22.4</u>	11.2	11.4	32.6	<u>33.8</u>	60.0	27.4	<u>26.2</u>
10	14.2670	AVG	10.9	<u>11.1</u>	11.2	11.4	22.1	<u>22.5</u>	50.0	27.9	<u>27.5</u>
11	17.8814	QP	24.8	<u>25.0</u>	11.4	11.5	36.2	<u>36.5</u>	60.0	23.8	<u>23.5</u>
12	17.8814	AVG	21.4	<u>22.2</u>	11.4	11.5	32.8	<u>33.7</u>	50.0	17.2	<u>16.3</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

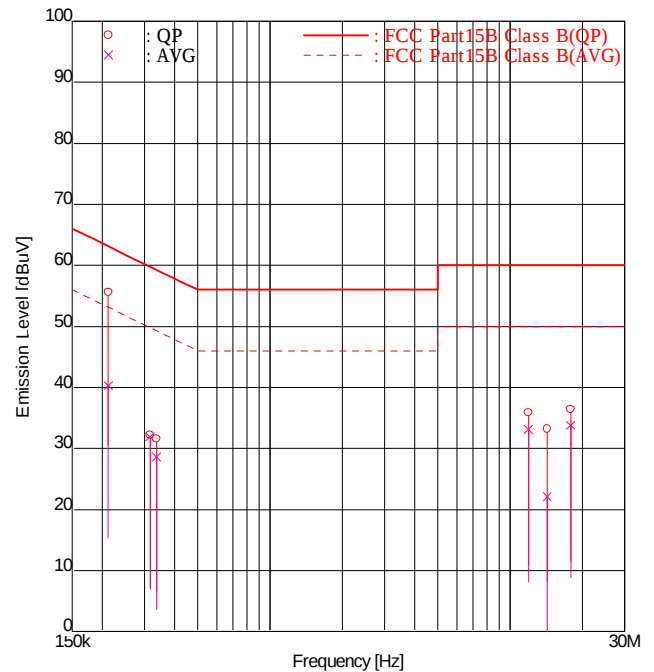
9.1.1.2 Receive mode (155.000 MHz : Band A)

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Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 155.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	<u>45.5</u>	45.4	10.1	10.2	<u>55.6</u>	55.6	63.1	<u>7.5</u>	7.5
2	0.2119	AVG	29.2	<u>30.1</u>	10.1	10.2	39.3	<u>40.3</u>	53.1	13.8	<u>12.8</u>
3	0.3166	QP	9.6	21.9	10.2	10.3	19.8	32.2	59.8	40.0	27.6
4	0.3166	AVG	8.3	<u>21.6</u>	10.2	10.3	18.5	<u>31.9</u>	49.8	31.3	<u>17.9</u>
5	0.3366	QP	6.6	21.3	10.2	10.3	16.8	31.6	59.3	42.5	27.7
6	0.3366	AVG	3.4	<u>18.3</u>	10.2	10.3	13.6	<u>28.6</u>	49.3	35.7	<u>20.7</u>
7	11.9228	QP	24.8	24.5	11.1	11.2	35.9	35.7	60.0	24.1	24.3
8	11.9228	AVG	<u>22.0</u>	21.9	11.1	11.2	<u>33.1</u>	33.1	50.0	<u>16.9</u>	16.9
9	14.2830	QP	21.5	21.8	11.2	11.4	32.7	33.2	60.0	27.3	26.8
10	14.2830	AVG	10.5	10.7	11.2	11.4	21.7	22.1	50.0	28.3	27.9
11	17.8814	QP	24.9	24.9	11.4	11.5	36.3	36.4	60.0	23.7	23.6
12	17.8814	AVG	22.1	<u>22.3</u>	11.4	11.5	33.5	<u>33.8</u>	50.0	16.5	<u>16.2</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

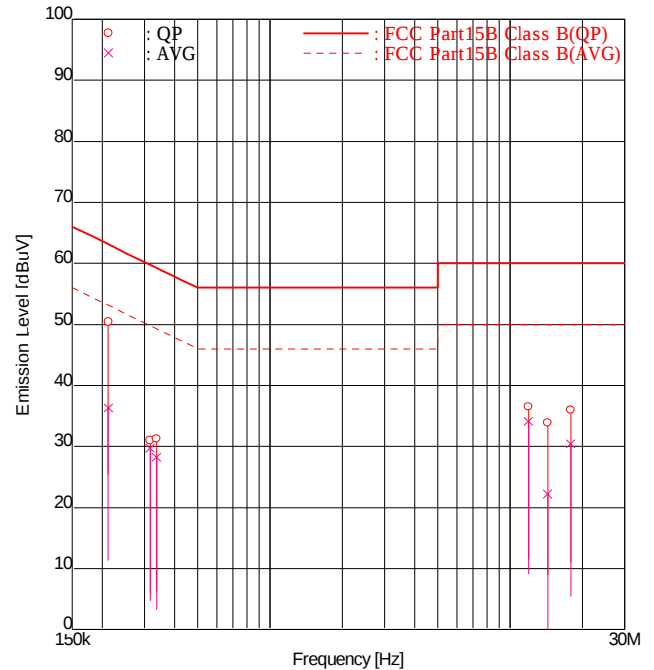
9.1.1.3 Receive mode (173.995 MHz : Band A)

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Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 173.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	40.0	<u>40.2</u>	10.1	10.2	50.1	<u>50.4</u>	63.1	13.0	<u>12.7</u>
2	0.2119	AVG	24.5	<u>26.1</u>	10.1	10.2	34.6	<u>36.3</u>	53.1	18.5	<u>16.8</u>
3	0.3166	QP	4.4	20.7	10.2	10.3	14.6	31.0	59.8	45.2	28.8
4	0.3166	AVG	2.4	<u>19.4</u>	10.2	10.3	12.6	<u>29.7</u>	49.8	37.2	<u>20.1</u>
5	0.3366	QP	6.9	21.0	10.2	10.3	17.1	31.3	59.3	42.2	28.0
6	0.3366	AVG	3.5	<u>17.9</u>	10.2	10.3	13.7	<u>28.2</u>	49.3	35.6	<u>21.1</u>
7	11.9228	QP	24.8	25.3	11.1	11.2	35.9	36.5	60.0	24.1	23.5
8	11.9228	AVG	22.7	<u>22.9</u>	11.1	11.2	33.8	<u>34.1</u>	50.0	16.2	<u>15.9</u>
9	14.3578	QP	22.3	22.5	11.2	11.4	33.5	33.9	60.0	26.5	26.1
10	14.3578	AVG	10.7	10.8	11.2	11.4	21.9	22.2	50.0	28.1	27.8
11	17.8814	QP	24.6	19.5	11.4	11.5	36.0	31.0	60.0	24.0	29.0
12	17.8814	AVG	17.8	<u>18.9</u>	11.4	11.5	29.2	<u>30.4</u>	50.0	20.8	<u>19.6</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

emiT 3, 0, 0, 0

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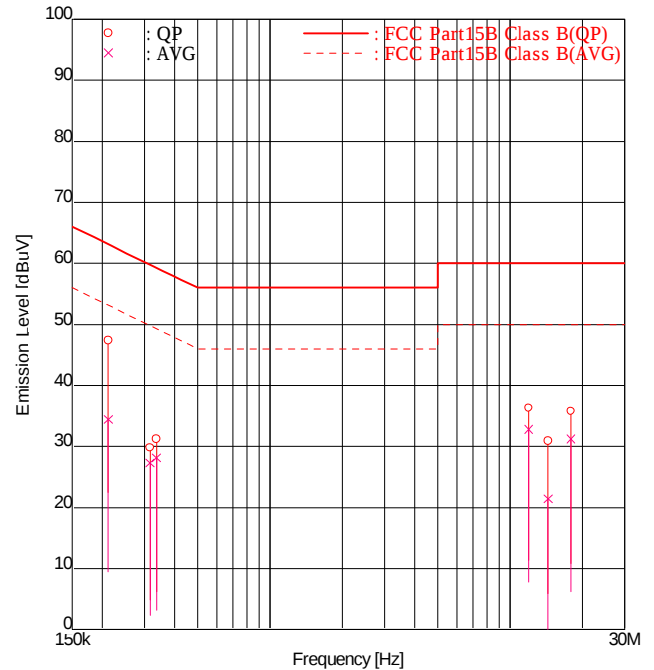
9.1.1.4 Receive mode (216.000 MHz : Band A)

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Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 216.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	36.7	<u>37.2</u>	10.1	10.2	46.8	<u>47.4</u>	63.1	16.3	<u>15.7</u>
2	0.2119	AVG	22.0	<u>24.2</u>	10.1	10.2	32.1	<u>34.4</u>	53.1	21.0	<u>18.7</u>
3	0.3166	QP	4.0	<u>19.5</u>	10.2	10.3	14.2	<u>29.8</u>	59.8	45.6	<u>30.0</u>
4	0.3166	AVG	2.5	<u>17.0</u>	10.2	10.3	12.7	<u>27.3</u>	49.8	37.1	<u>22.5</u>
5	0.3366	QP	6.6	<u>20.9</u>	10.2	10.3	16.8	<u>31.2</u>	59.3	42.5	<u>28.1</u>
6	0.3366	AVG	3.5	<u>17.8</u>	10.2	10.3	13.7	<u>28.1</u>	49.3	35.6	<u>21.2</u>
7	11.9586	QP	25.0	<u>25.1</u>	11.1	11.2	36.1	<u>36.3</u>	60.0	23.9	<u>23.7</u>
8	11.9586	AVG	21.4	<u>21.6</u>	11.1	11.2	32.5	<u>32.8</u>	50.0	17.5	<u>17.2</u>
9	14.3938	QP	18.6	<u>19.5</u>	11.2	11.4	29.8	<u>30.9</u>	60.0	30.2	<u>29.1</u>
10	14.3938	AVG	9.6	<u>10.0</u>	11.2	11.4	20.8	<u>21.4</u>	50.0	29.2	<u>28.6</u>
11	17.9374	QP	24.4	<u>24.1</u>	11.4	11.5	35.8	<u>35.6</u>	60.0	24.2	<u>24.4</u>
12	17.9374	AVG	19.3	<u>19.7</u>	11.4	11.5	30.7	<u>31.2</u>	50.0	19.3	<u>18.8</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

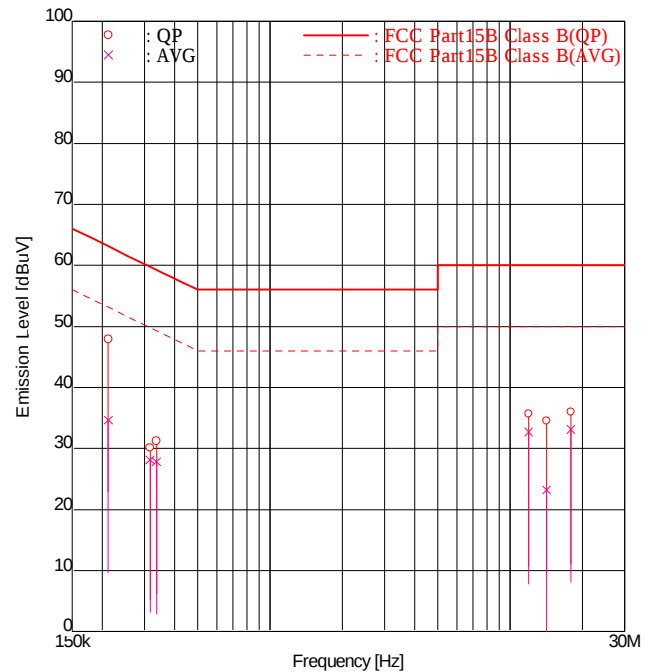
9.1.1.5 Receive mode (238.000 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 238.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	37.2	<u>37.7</u>	10.1	10.2	47.3	<u>47.9</u>	63.1	15.8	<u>15.2</u>
2	0.2119	AVG	22.3	<u>24.4</u>	10.1	10.2	32.4	<u>34.6</u>	53.1	20.7	<u>18.5</u>
3	0.3166	QP	4.0	19.8	10.2	10.3	14.2	30.1	59.8	45.6	29.7
4	0.3166	AVG	2.2	<u>17.8</u>	10.2	10.3	12.4	<u>28.1</u>	49.8	37.4	<u>21.7</u>
5	0.3366	QP	7.2	<u>20.9</u>	10.2	10.3	17.4	31.2	59.3	41.9	28.1
6	0.3366	AVG	3.2	<u>17.5</u>	10.2	10.3	13.4	<u>27.8</u>	49.3	35.9	<u>21.5</u>
7	11.9586	QP	24.0	24.5	11.1	11.2	35.1	35.7	60.0	24.9	24.3
8	11.9586	AVG	20.9	<u>21.5</u>	11.1	11.2	32.0	<u>32.7</u>	50.0	18.0	<u>17.3</u>
9	14.1958	QP	23.1	23.1	11.2	11.4	34.3	34.5	60.0	25.7	25.5
10	14.1958	AVG	11.7	11.8	11.2	11.4	22.9	23.2	50.0	27.1	26.8
11	17.9374	QP	24.2	24.5	11.4	11.5	35.6	36.0	60.0	24.4	24.0
12	17.9374	AVG	<u>21.7</u>	21.3	11.4	11.5	<u>33.1</u>	32.8	50.0	<u>16.9</u>	17.2

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

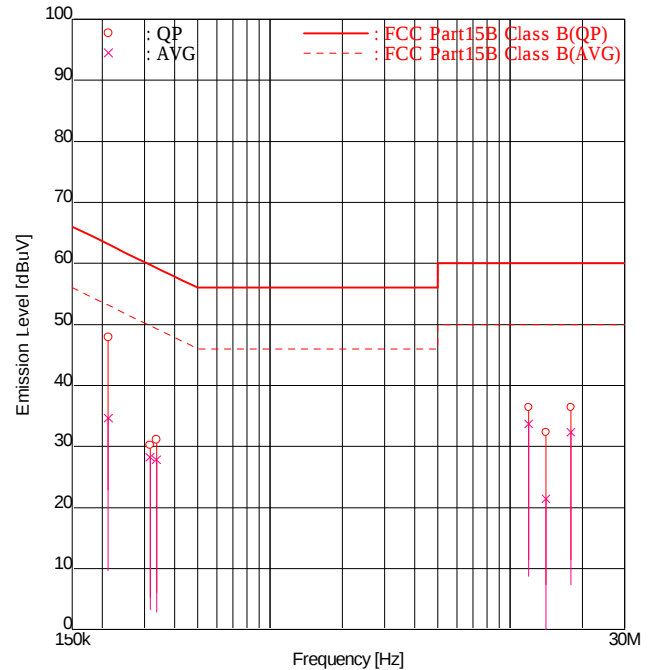
9.1.1.6 Receive mode (259.995 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 259.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	37.2	<u>37.7</u>	10.1	10.2	47.3	<u>47.9</u>	63.1	15.8	<u>15.2</u>
2	0.2119	AVG	22.3	<u>24.4</u>	10.1	10.2	32.4	<u>34.6</u>	53.1	20.7	<u>18.5</u>
3	0.3166	QP	5.6	19.9	10.2	10.3	15.8	30.2	59.8	44.0	29.6
4	0.3166	AVG	1.9	<u>17.9</u>	10.2	10.3	12.1	<u>28.2</u>	49.8	37.7	<u>21.6</u>
5	0.3366	QP	6.7	<u>20.8</u>	10.2	10.3	16.9	31.1	59.3	42.4	28.2
6	0.3366	AVG	3.1	<u>17.5</u>	10.2	10.3	13.3	<u>27.8</u>	49.3	36.0	<u>21.5</u>
7	11.9586	QP	24.5	25.2	11.1	11.2	35.6	36.4	60.0	24.4	23.6
8	11.9586	AVG	<u>22.6</u>	20.8	11.1	11.2	<u>33.7</u>	32.0	50.0	<u>16.3</u>	18.0
9	14.1038	QP	21.0	20.9	11.2	11.4	32.2	32.3	60.0	27.8	27.7
10	14.1038	AVG	9.8	10.0	11.2	11.4	21.0	21.4	50.0	29.0	28.6
11	17.9374	QP	25.0	24.4	11.4	11.5	36.4	35.9	60.0	23.6	24.1
12	17.9374	AVG	20.1	<u>20.8</u>	11.4	11.5	31.5	<u>32.3</u>	50.0	18.5	<u>17.7</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

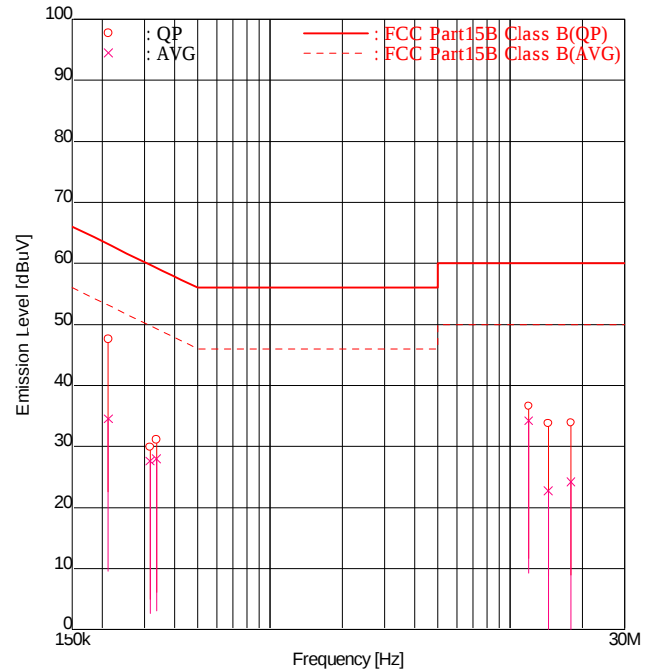
9.1.1.7 Receive mode (410.000 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 410.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	36.9	<u>37.4</u>	10.1	10.2	47.0	<u>47.6</u>	63.1	16.1	<u>15.5</u>
2	0.2119	AVG	22.1	<u>24.3</u>	10.1	10.2	32.2	<u>34.5</u>	53.1	20.9	<u>18.6</u>
3	0.3166	QP	5.0	<u>19.6</u>	10.2	10.3	15.2	<u>29.9</u>	59.8	44.6	<u>29.9</u>
4	0.3166	AVG	2.0	<u>17.3</u>	10.2	10.3	12.2	<u>27.6</u>	49.8	37.6	<u>22.2</u>
5	0.3366	QP	6.7	<u>20.8</u>	10.2	10.3	16.9	<u>31.1</u>	59.3	42.4	<u>28.2</u>
6	0.3366	AVG	3.3	<u>17.7</u>	10.2	10.3	13.5	<u>28.0</u>	49.3	35.8	<u>21.3</u>
7	11.9536	QP	<u>25.5</u>	<u>25.1</u>	11.1	11.2	<u>36.6</u>	<u>36.3</u>	60.0	<u>23.4</u>	<u>23.7</u>
8	11.9536	AVG	22.2	<u>23.0</u>	11.1	11.2	33.3	<u>34.2</u>	50.0	16.7	<u>15.8</u>
9	14.4158	QP	22.2	<u>22.4</u>	11.2	11.4	33.4	<u>33.8</u>	60.0	26.6	<u>26.2</u>
10	14.4158	AVG	11.1	<u>11.3</u>	11.2	11.4	22.3	<u>22.7</u>	50.0	27.7	<u>27.3</u>
11	17.9374	QP	22.5	<u>18.3</u>	11.4	11.5	33.9	<u>29.8</u>	60.0	26.1	<u>30.2</u>
12	17.9374	AVG	12.6	<u>12.7</u>	11.4	11.5	24.0	<u>24.2</u>	50.0	26.0	<u>25.8</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

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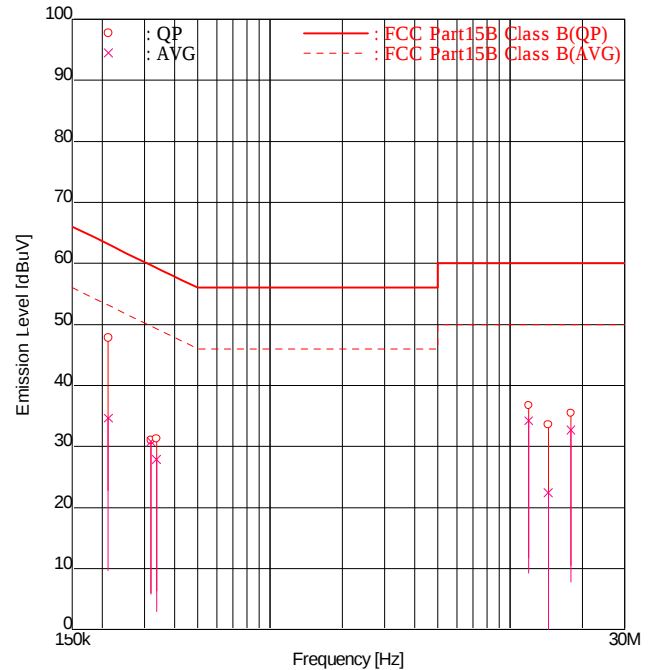
9.1.1.8 Receive mode (440.000 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 440.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	36.9	<u>37.6</u>	10.1	10.2	47.0	<u>47.8</u>	63.1	16.1	<u>15.3</u>
2	0.2119	AVG	22.7	<u>24.4</u>	10.1	10.2	32.8	<u>34.6</u>	53.1	20.3	<u>18.5</u>
3	0.3192	QP	6.6	20.7	10.2	10.3	16.8	31.0	59.7	42.9	28.7
4	0.3192	AVG	2.0	<u>20.5</u>	10.2	10.3	12.2	<u>30.8</u>	49.7	37.5	<u>18.9</u>
5	0.3366	QP	7.3	21.0	10.2	10.3	17.5	31.3	59.3	41.8	28.0
6	0.3366	AVG	3.2	<u>17.6</u>	10.2	10.3	13.4	<u>27.9</u>	49.3	35.9	<u>21.4</u>
7	11.9566	QP	25.3	25.5	11.1	11.2	36.4	36.7	60.0	23.6	23.3
8	11.9566	AVG	<u>23.1</u>	22.6	11.1	11.2	<u>34.2</u>	33.8	50.0	<u>15.8</u>	16.2
9	14.4158	QP	21.6	22.2	11.2	11.4	32.8	33.6	60.0	27.2	26.4
10	14.4158	AVG	10.8	11.0	11.2	11.4	22.0	22.4	50.0	28.0	27.6
11	17.9374	QP	24.1	23.1	11.4	11.5	35.5	34.6	60.0	24.5	25.4
12	17.9374	AVG	18.6	<u>21.2</u>	11.4	11.5	30.0	<u>32.7</u>	50.0	20.0	<u>17.3</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

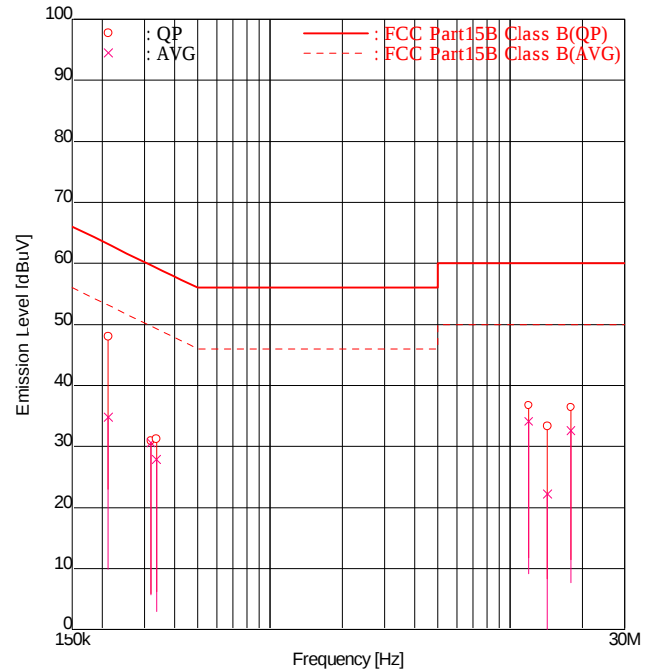
9.1.1.9 Receive mode (469.995 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 469.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	37.2	<u>37.8</u>	10.1	10.2	47.3	<u>48.0</u>	63.1	15.8	<u>15.1</u>
2	0.2119	AVG	22.4	<u>24.6</u>	10.1	10.2	32.5	<u>34.8</u>	53.1	20.6	<u>18.3</u>
3	0.3192	QP	3.2	20.6	10.2	10.3	13.4	30.9	59.7	46.3	28.8
4	0.3192	AVG	1.9	<u>20.3</u>	10.2	10.3	12.1	<u>30.6</u>	49.7	37.6	<u>19.1</u>
5	0.3366	QP	6.4	<u>20.9</u>	10.2	10.3	16.6	31.2	59.3	42.7	28.1
6	0.3366	AVG	3.3	<u>17.6</u>	10.2	10.3	13.5	<u>27.9</u>	49.3	35.8	<u>21.4</u>
7	11.9566	QP	25.4	25.5	11.1	11.2	36.5	36.7	60.0	23.5	23.3
8	11.9566	AVG	<u>23.0</u>	22.6	11.1	11.2	<u>34.1</u>	33.8	50.0	<u>15.9</u>	16.2
9	14.3078	QP	21.5	21.9	11.2	11.4	32.7	33.3	60.0	27.3	26.7
10	14.3078	AVG	10.6	10.8	11.2	11.4	21.8	22.2	50.0	28.2	27.8
11	17.9374	QP	24.8	24.9	11.4	11.5	36.2	36.4	60.0	23.8	23.6
12	17.9374	AVG	<u>21.2</u>	19.7	11.4	11.5	<u>32.6</u>	31.2	50.0	<u>17.4</u>	18.8

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

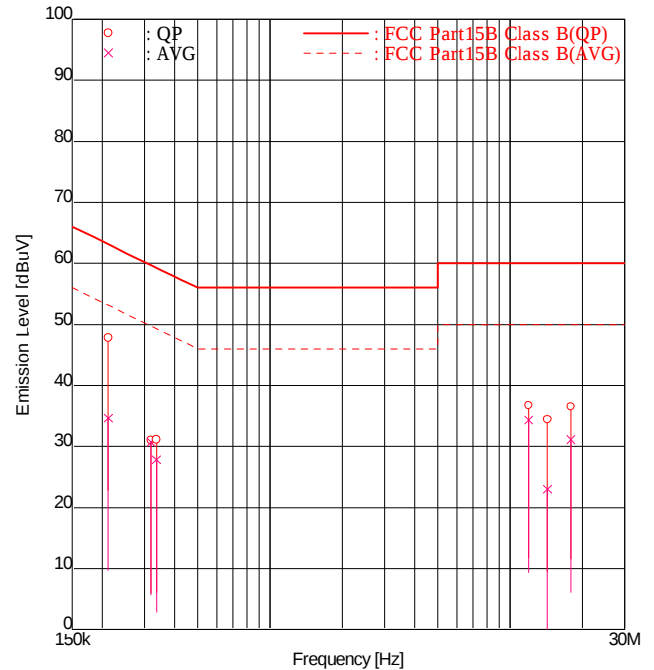
9.1.1.10 Receive mode (0.100 MHz : Band B)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 0.100 MHz : Band B



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	37.1	<u>37.6</u>	10.1	10.2	47.2	<u>47.8</u>	63.1	15.9	<u>15.3</u>
2	0.2119	AVG	22.3	<u>24.4</u>	10.1	10.2	32.4	<u>34.6</u>	53.1	20.7	<u>18.5</u>
3	0.3192	QP	3.8	<u>20.7</u>	10.2	10.3	14.0	<u>31.0</u>	59.7	45.7	<u>28.7</u>
4	0.3192	AVG	2.2	<u>20.4</u>	10.2	10.3	12.4	<u>30.7</u>	49.7	37.3	<u>19.0</u>
5	0.3366	QP	6.6	<u>20.8</u>	10.2	10.3	16.8	<u>31.1</u>	59.3	42.5	<u>28.2</u>
6	0.3366	AVG	3.2	<u>17.5</u>	10.2	10.3	13.4	<u>27.8</u>	49.3	35.9	<u>21.5</u>
7	11.9566	QP	25.5	<u>25.5</u>	11.1	11.2	36.6	<u>36.7</u>	60.0	23.4	<u>23.3</u>
8	11.9566	AVG	22.9	<u>23.1</u>	11.1	11.2	34.0	<u>34.3</u>	50.0	16.0	<u>15.7</u>
9	14.3078	QP	22.9	<u>23.0</u>	11.2	11.4	34.1	<u>34.4</u>	60.0	25.9	<u>25.6</u>
10	14.3078	AVG	11.4	<u>11.6</u>	11.2	11.4	22.6	<u>23.0</u>	50.0	27.4	<u>27.0</u>
11	17.9374	QP	23.1	<u>25.0</u>	11.4	11.5	34.5	<u>36.5</u>	60.0	25.5	<u>23.5</u>
12	17.9374	AVG	19.2	<u>19.6</u>	11.4	11.5	30.6	<u>31.1</u>	50.0	19.4	<u>18.9</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

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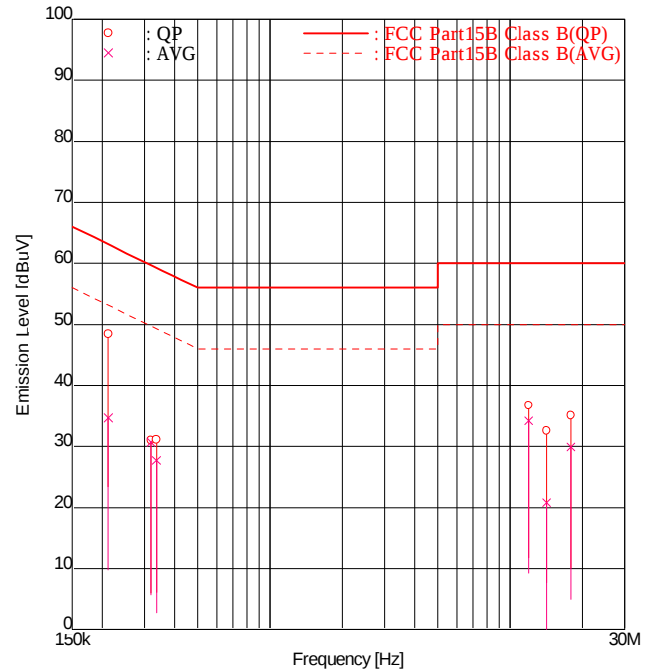
9.1.1.11 Receive mode (262.000 MHz : Band B)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 262.000 MHz : Band B



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	37.4	<u>38.2</u>	10.1	10.2	47.5	<u>48.4</u>	63.1	15.6	<u>14.7</u>
2	0.2119	AVG	22.5	<u>24.5</u>	10.1	10.2	32.6	<u>34.7</u>	53.1	20.5	<u>18.4</u>
3	0.3192	QP	3.6	<u>20.7</u>	10.2	10.3	13.8	<u>31.0</u>	59.7	45.9	<u>28.7</u>
4	0.3192	AVG	2.4	<u>20.4</u>	10.2	10.3	12.6	<u>30.7</u>	49.7	37.1	<u>19.0</u>
5	0.3366	QP	6.6	<u>20.8</u>	10.2	10.3	16.8	<u>31.1</u>	59.3	42.5	<u>28.2</u>
6	0.3366	AVG	3.2	<u>17.4</u>	10.2	10.3	13.4	<u>27.7</u>	49.3	35.9	<u>21.6</u>
7	11.9566	QP	25.4	<u>25.5</u>	11.1	11.2	36.5	<u>36.7</u>	60.0	23.5	<u>23.3</u>
8	11.9566	AVG	21.8	<u>23.0</u>	11.1	11.2	32.9	<u>34.2</u>	50.0	17.1	<u>15.8</u>
9	14.2118	QP	21.1	<u>21.2</u>	11.2	11.4	32.3	<u>32.6</u>	60.0	27.7	<u>27.4</u>
10	14.2118	AVG	9.3	<u>9.4</u>	11.2	11.4	20.5	<u>20.8</u>	50.0	29.5	<u>29.2</u>
11	17.9374	QP	23.5	<u>23.6</u>	11.4	11.5	34.9	<u>35.1</u>	60.0	25.1	<u>24.9</u>
12	17.9374	AVG	<u>18.5</u>	<u>17.9</u>	11.4	11.5	<u>29.9</u>	<u>29.4</u>	50.0	<u>20.1</u>	<u>20.6</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

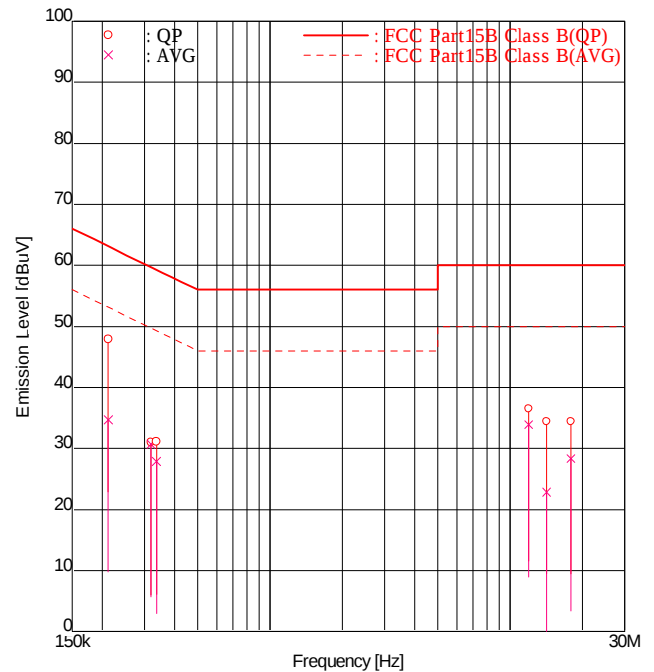
9.1.1.12 Receive mode (523.995 MHz : Band B)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 22 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 523.995 MHz : Band B



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2119	QP	37.2	<u>37.7</u>	10.1	10.2	47.3	<u>47.9</u>	63.1	15.8	<u>15.2</u>
2	0.2119	AVG	22.4	<u>24.5</u>	10.1	10.2	32.5	<u>34.7</u>	53.1	20.6	<u>18.4</u>
3	0.3192	QP	3.6	<u>20.7</u>	10.2	10.3	13.8	<u>31.0</u>	59.7	45.9	<u>28.7</u>
4	0.3192	AVG	2.9	<u>20.4</u>	10.2	10.3	13.1	<u>30.7</u>	49.7	36.6	<u>19.0</u>
5	0.3366	QP	6.6	<u>20.8</u>	10.2	10.3	16.8	<u>31.1</u>	59.3	42.5	<u>28.2</u>
6	0.3366	AVG	3.3	<u>17.6</u>	10.2	10.3	13.5	<u>27.9</u>	49.3	35.8	<u>21.4</u>
7	11.9566	QP	25.2	<u>25.3</u>	11.1	11.2	36.3	<u>36.5</u>	60.0	23.7	<u>23.5</u>
8	11.9566	AVG	21.8	<u>22.7</u>	11.1	11.2	32.9	<u>33.9</u>	50.0	17.1	<u>16.1</u>
9	14.2118	QP	22.8	<u>23.0</u>	11.2	11.4	34.0	<u>34.4</u>	60.0	26.0	<u>25.6</u>
10	14.2118	AVG	11.4	<u>11.4</u>	11.2	11.4	22.6	<u>22.8</u>	50.0	27.4	<u>27.2</u>
11	17.9374	QP	21.9	<u>22.9</u>	11.4	11.5	33.3	<u>34.4</u>	60.0	26.7	<u>25.6</u>
12	17.9374	AVG	15.6	<u>16.8</u>	11.4	11.5	27.0	<u>28.3</u>	50.0	23.0	<u>21.7</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

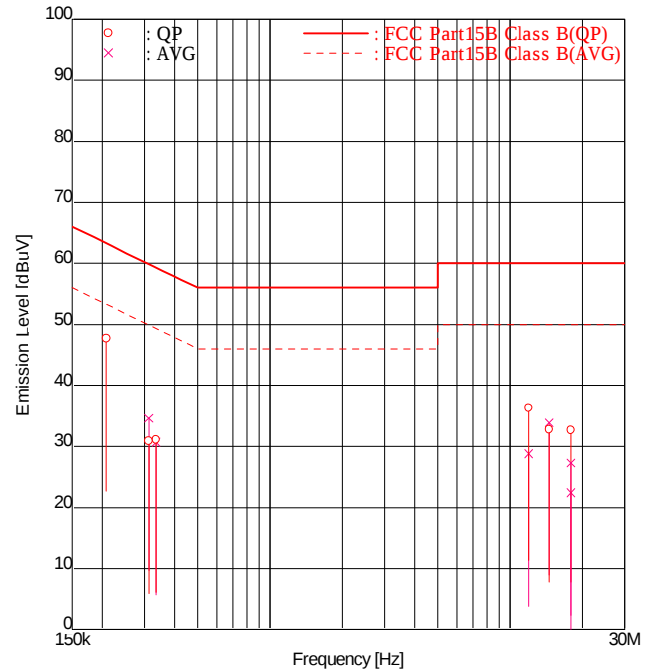
9.1.1.13 VFO SCAN mode (136.000 - 173.995 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 25 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 136.000 - 173.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2080	QP	37.0	<u>37.5</u>	10.1	10.2	47.1	<u>47.7</u>	63.3	16.2	<u>15.6</u>
2	0.3128	AVG	22.3	<u>24.3</u>	10.2	10.3	32.5	<u>34.6</u>	49.9	17.4	<u>15.3</u>
3	0.3128	QP	3.3	20.6	10.2	10.3	13.5	30.9	59.9	46.4	29.0
4	0.3353	AVG	2.0	<u>20.4</u>	10.2	10.3	12.2	<u>30.7</u>	49.3	37.1	<u>18.6</u>
5	0.3353	QP	6.3	20.8	10.2	10.3	16.5	31.1	59.3	42.8	28.2
6	11.9463	AVG	3.2	<u>17.6</u>	11.1	11.2	14.3	<u>28.8</u>	50.0	35.7	<u>21.2</u>
7	11.9463	QP	25.2	25.0	11.1	11.2	36.3	36.2	60.0	23.7	23.8
8	14.5751	AVG	21.3	<u>22.5</u>	11.2	11.4	32.5	<u>33.9</u>	50.0	17.5	<u>16.1</u>
9	14.5751	QP	21.2	21.4	11.2	11.4	32.4	32.8	60.0	27.6	27.2
10	17.9174	AVG	10.8	10.9	11.4	11.5	22.2	22.4	50.0	27.8	27.6
11	17.9174	QP	20.8	21.2	11.4	11.5	32.2	32.7	60.0	27.8	27.3
12	17.9374	AVG	15.7	<u>15.8</u>	11.4	11.5	27.1	<u>27.3</u>	50.0	22.9	<u>22.7</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

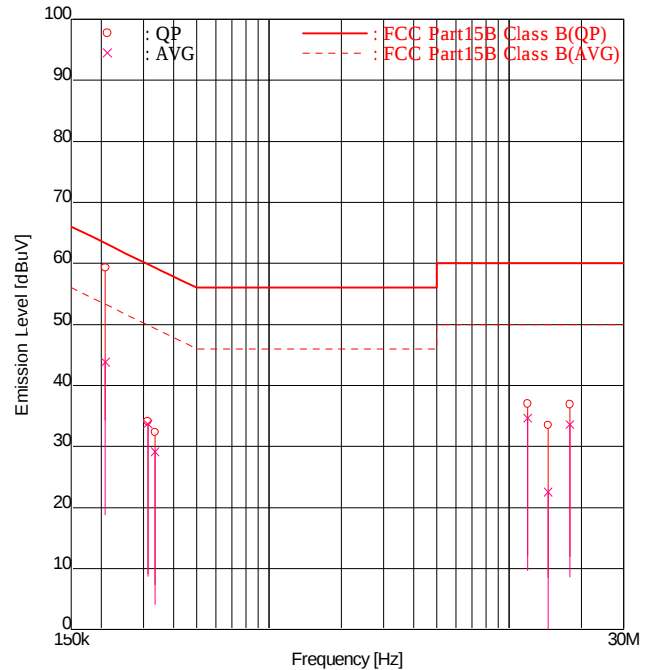
9.1.1.14 VFO SCAN mode (216.000 - 259.995 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 25 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 216.000 - 259.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2080	QP	<u>49.2</u>	48.9	10.1	10.2	<u>59.3</u>	59.1	63.3	<u>4.0</u>	4.2
2	0.2080	AVG	33.2	<u>33.6</u>	10.1	10.2	43.3	<u>43.8</u>	53.3	10.0	<u>9.5</u>
3	0.3128	QP	15.9	23.8	10.2	10.3	26.1	34.1	59.9	33.8	25.8
4	0.3128	AVG	14.5	<u>23.4</u>	10.2	10.3	24.7	<u>33.7</u>	49.9	25.2	<u>16.2</u>
5	0.3353	QP	6.3	22.0	10.2	10.3	16.5	32.3	59.3	42.8	27.0
6	0.3353	AVG	3.1	<u>18.8</u>	10.2	10.3	13.3	<u>29.1</u>	49.3	36.0	<u>20.2</u>
7	11.9463	QP	25.7	25.8	11.1	11.2	36.8	37.0	60.0	23.2	23.0
8	11.9463	AVG	23.4	<u>23.4</u>	11.1	11.2	34.5	<u>34.6</u>	50.0	15.5	<u>15.4</u>
9	14.5751	QP	22.1	22.1	11.2	11.4	33.3	33.5	60.0	26.7	26.5
10	14.5751	AVG	11.0	11.1	11.2	11.4	22.2	22.5	50.0	27.8	27.5
11	17.9174	QP	25.5	25.2	11.4	11.5	36.9	36.7	60.0	23.1	23.3
12	17.9174	AVG	21.0	<u>22.1</u>	11.4	11.5	32.4	<u>33.6</u>	50.0	17.6	<u>16.4</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

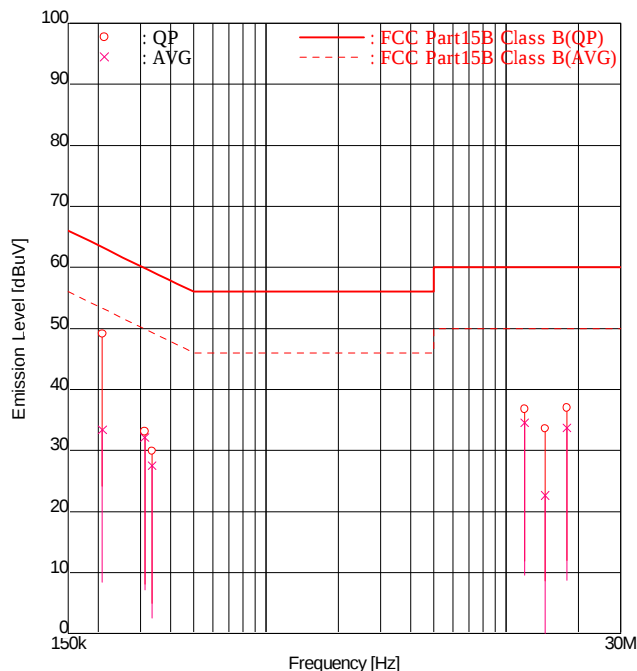
9.1.1.15 VFO SCAN mode (410.000 - 469.995 MHz : Band A)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 25 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 410.000 - 469.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2080	QP	38.5	<u>38.9</u>	10.1	10.2	48.6	<u>49.1</u>	63.3	14.7	<u>14.2</u>
2	0.2080	AVG	22.1	<u>23.2</u>	10.1	10.2	32.2	<u>33.4</u>	53.3	21.1	<u>19.9</u>
3	0.3128	QP	13.2	22.8	10.2	10.3	23.4	33.1	59.9	36.5	26.8
4	0.3128	AVG	12.9	<u>21.8</u>	10.2	10.3	23.1	<u>32.1</u>	49.9	26.8	<u>17.8</u>
5	0.3353	QP	6.2	19.6	10.2	10.3	16.4	29.9	59.3	42.9	29.4
6	0.3353	AVG	3.0	<u>17.2</u>	10.2	10.3	13.2	<u>27.5</u>	49.3	36.1	<u>21.8</u>
7	11.9463	QP	25.4	25.6	11.1	11.2	36.5	36.8	60.0	23.5	23.2
8	11.9463	AVG	<u>23.4</u>	23.3	11.1	11.2	<u>34.5</u>	34.5	50.0	<u>15.5</u>	15.5
9	14.5751	QP	22.3	22.2	11.2	11.4	33.5	33.6	60.0	26.5	26.4
10	14.5751	AVG	10.9	11.2	11.2	11.4	22.1	22.6	50.0	27.9	27.4
11	17.9174	QP	25.6	25.3	11.4	11.5	37.0	36.8	60.0	23.0	23.2
12	17.9174	AVG	21.0	<u>22.2</u>	11.4	11.5	32.4	<u>33.7</u>	50.0	17.6	<u>16.3</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

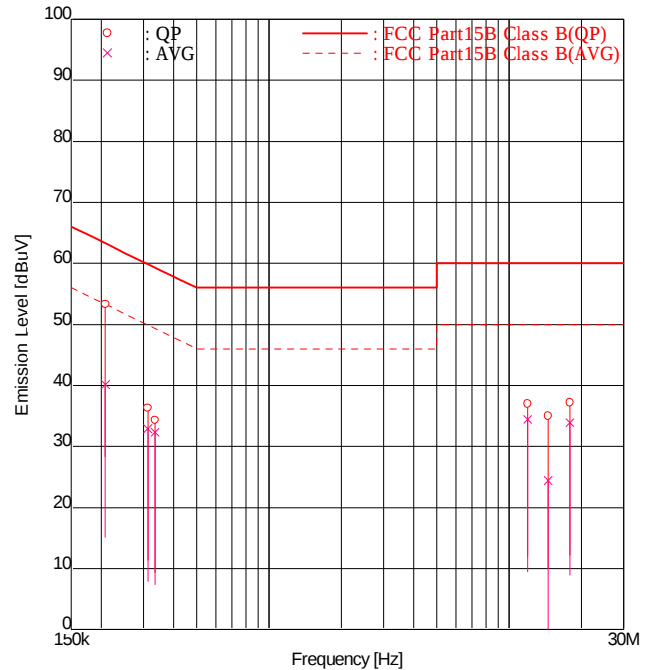
9.1.1.16 VFO SCAN mode (0.100 - 523.995 MHz : Band B)

Intertek Japan K.K.

Matsuda No.2 Test Site

Conducted Voltages on Mains Port

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 25 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
TEMPERATURE : 24.5 [degC]
HUMIDITY : 51.0 [%]
NOTE : 0.100 - 523.995 MHz : Band B



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV]		LIMIT [dBuV]	MARGIN [dB]	
			Line1	Line2	Line1	Line2	Line1	Line2		Line1	Line2
1	0.2080	QP	42.3	<u>43.1</u>	10.1	10.2	52.4	<u>53.3</u>	63.3	10.9	<u>10.0</u>
2	0.2080	AVG	28.6	<u>29.9</u>	10.1	10.2	38.7	<u>40.1</u>	53.3	14.6	<u>13.2</u>
3	0.3128	QP	15.6	<u>26.0</u>	10.2	10.3	25.8	<u>36.3</u>	59.9	34.1	<u>23.6</u>
4	0.3128	AVG	13.4	<u>22.6</u>	10.2	10.3	23.6	<u>32.9</u>	49.9	26.3	<u>17.0</u>
5	0.3353	QP	6.8	<u>24.0</u>	10.2	10.3	17.0	<u>34.3</u>	59.3	42.3	<u>25.0</u>
6	0.3353	AVG	3.6	<u>22.0</u>	10.2	10.3	13.8	<u>32.3</u>	49.3	35.5	<u>17.0</u>
7	11.9463	QP	25.7	<u>25.8</u>	11.1	11.2	36.8	<u>37.0</u>	60.0	23.2	<u>23.0</u>
8	11.9463	AVG	<u>23.3</u>	<u>23.2</u>	11.1	11.2	<u>34.4</u>	<u>34.4</u>	50.0	<u>15.6</u>	<u>15.6</u>
9	14.5751	QP	23.4	<u>23.6</u>	11.2	11.4	34.6	<u>35.0</u>	60.0	25.4	<u>25.0</u>
10	14.5751	AVG	13.2	<u>13.0</u>	11.2	11.4	24.4	<u>24.4</u>	50.0	25.6	<u>25.6</u>
11	17.9174	QP	25.7	<u>25.7</u>	11.4	11.5	37.1	<u>37.2</u>	60.0	22.9	<u>22.8</u>
12	17.9174	AVG	<u>22.5</u>	<u>22.3</u>	11.4	11.5	<u>33.9</u>	<u>33.8</u>	50.0	<u>16.1</u>	<u>16.2</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(LISN,Pad,Cable)

9.1.2 Radiated disturbance

Location	Matsuda No.1 and No.2 Test Site
Test Engineer	Yoshiaki Yoneyama, Daichi Mitsunaga

Frequency Range of Measurements

Operating mode	Required Frequency Range	Measured Frequency Range
Receive mode (136.000 MHz : Band A) (155.000 MHz : Band A) (173.995 MHz : Band A) (216.000 MHz : Band A) (238.000 MHz : Band A) (259.995 MHz : Band A) (410.000 MHz : Band A) (440.000 MHz : Band A) (469.995 MHz : Band A) (0.100 MHz : Band B) (262.000 MHz : Band B) (523.995 MHz : Band B) VFO SCAN mode (136.000 - 173.995 MHz : Band A) (216.000 - 259.995 MHz : Band A) (410.000 - 469.995 MHz : Band A) (0.100 - 523.995 MHz : Band B)	30 – 24800 MHz	30 – 25000 MHz

Test Procedure

Item	Document number
Radiated disturbance	LEN-RJP-EM003

Setting for the Measuring instruments

Frequency [MHz]	Instrument	Detector	Resolution Bandwidth	Video Bandwidth
30 – 1000	Receiver	Quasi Peak	120 kHz	N/A
Above 1000	Spectrum Analyzer	Peak	1 MHz	1 MHz
		Average	1 MHz	10 Hz

< Measurement data correction >

Emission Level [dBuV/m] = Meter Reading [dBuV] + Factor [dB/m]

Margin [dB] = Limit [dBuV/m] - Emission Level [dBuV/m]

Factor [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] - Amplifier Gain [dB] + Attenuator [dB]
(+ Distance Conversion Factor [dB])*

* For other than Standard distance:

Distance Conversion Factor = 20 log (Measurement distance / Standard distance)

< Sample Calculations >

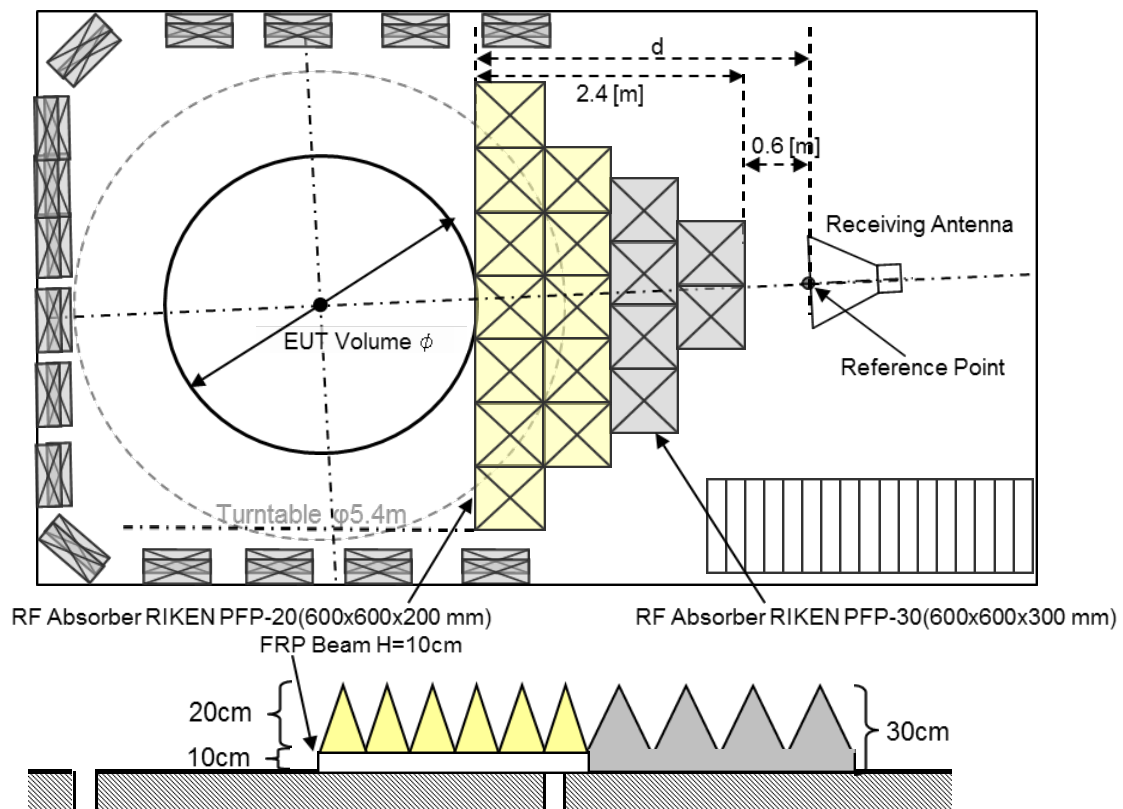
Sample @67.86 MHz (Receive mode (136.000 MHz : Band A))

Emission Level = 30.6 [dBuV] - 7.9 [dB/m] = 22.7 [dBuV/m]

Specification of Radiated disturbance

Operating Condition	Frequency Range	Measurement distance	Antenna height	Dimension of the line tangent by $\theta 3$ dB
Receive mode (136.000 MHz : Band A) (155.000 MHz : Band A) (173.995 MHz : Band A) (216.000 MHz : Band A) (238.000 MHz : Band A) (259.995 MHz : Band A) (410.000 MHz : Band A) (440.000 MHz : Band A) (469.995 MHz : Band A) (0.100 MHz : Band B) (262.000 MHz : Band B) (523.995 MHz : Band B)	30-1000 MHz	3 m	Scanned 1 to 4 m	-
VFO SCAN mode (136.000 - 173.995 MHz : Band A) (216.000 - 259.995 MHz : Band A) (410.000 - 469.995 MHz : Band A) (0.100 - 523.995 MHz : Band B)	Above 1 GHz	3.86 m	Scanned 1 to 4 m	2.51 m

Absorber placement and Receive Antenna location in Radiated disturbance above 1 GHz

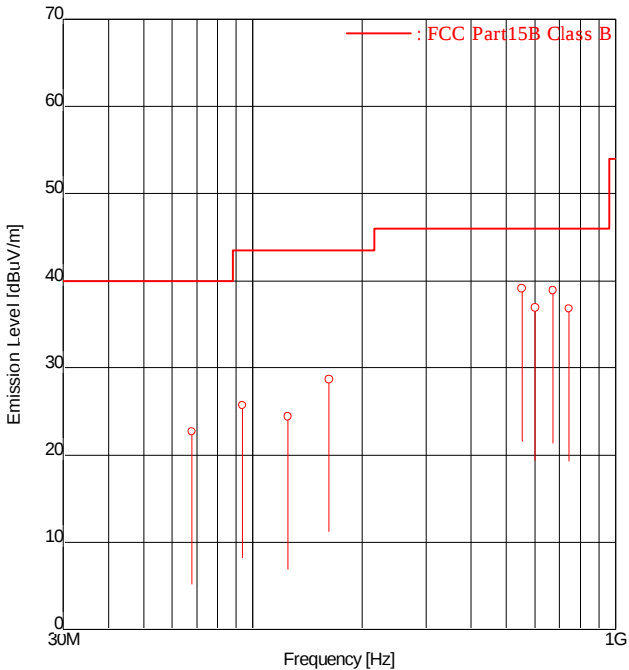


Result of Radiated disturbances

9.1.2.1 Receive mode (136.000 MHz : Band A)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 06 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.3 [degC]
HUMIDITY : 48.0 [%]
NOTE : 136.000 MHz : Band A



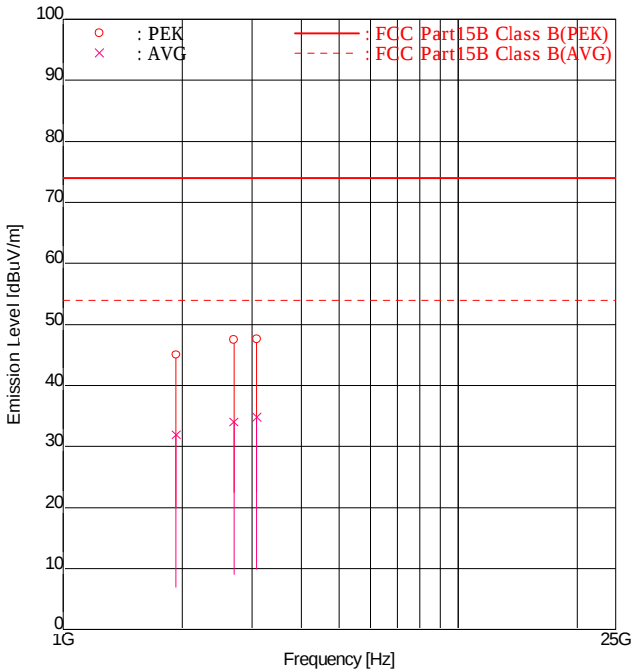
ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	67.86	-	<u>30.6</u>	-7.9	-7.9	-	<u>22.7</u>	40.0	-	<u>17.3</u>
2	93.50	-	36.3	-10.6	-10.6	-	25.7	43.5	-	17.8
3	125.00	-	30.9	-6.5	-6.5	-	24.4	43.5	-	19.1
4	162.36	<u>33.1</u>	32.0	-4.4	-4.4	<u>28.7</u>	27.6	43.5	<u>14.8</u>	15.9
5	552.24	<u>34.6</u>	32.9	4.5	4.5	<u>39.1</u>	37.4	46.0	<u>6.9</u>	8.6
6	600.29	31.2	<u>31.3</u>	5.6	5.6	36.8	<u>36.9</u>	46.0	9.2	<u>9.1</u>
7	672.00	-	<u>32.1</u>	6.8	6.8	-	<u>38.9</u>	46.0	-	<u>7.1</u>
8	744.30	26.1	<u>28.4</u>	8.4	8.4	34.5	<u>36.8</u>	46.0	11.5	<u>9.2</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 02 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 136.000 MHz : Band A



ENGINEER : Yoshiaki Yoneyama

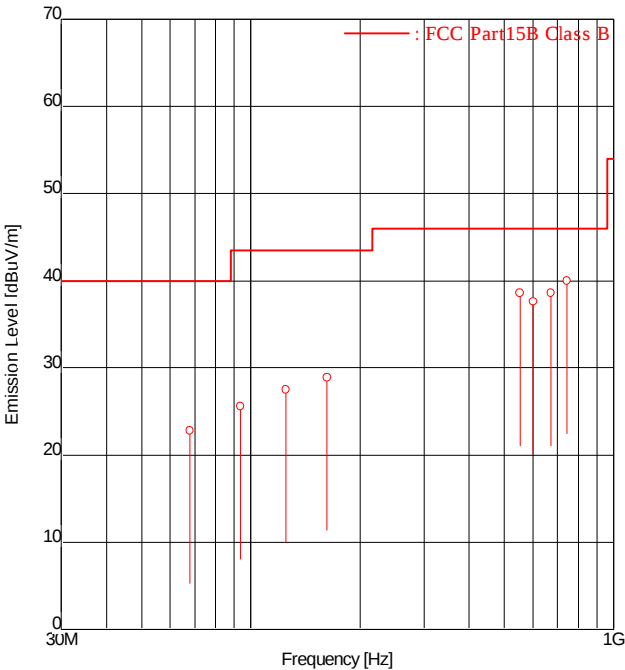
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1931.51	PEK	39.7	<u>40.2</u>	4.8	4.8	44.5	<u>45.0</u>	74.0	29.5	<u>29.0</u>
2	1931.51	AVG	26.9	<u>27.1</u>	4.8	4.8	31.7	<u>31.9</u>	54.0	22.3	<u>22.1</u>
3	2704.01	PEK	40.7	<u>40.9</u>	6.6	6.6	47.3	<u>47.5</u>	74.0	26.7	<u>26.5</u>
4	2704.01	AVG	27.3	<u>27.4</u>	6.6	6.6	33.9	<u>34.0</u>	54.0	20.1	<u>20.0</u>
5	3090.00	PEK	<u>40.0</u>	<u>39.8</u>	7.6	7.6	<u>47.6</u>	<u>47.4</u>	74.0	<u>26.4</u>	<u>26.6</u>
6	3090.00	AVG	27.0	<u>27.2</u>	7.6	7.6	34.6	<u>34.8</u>	54.0	19.4	<u>19.2</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.2 Receive mode (155.000 MHz : Band A)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 06 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.3 [degC]
HUMIDITY : 48.0 [%]
NOTE : 155.000 MHz : Band A



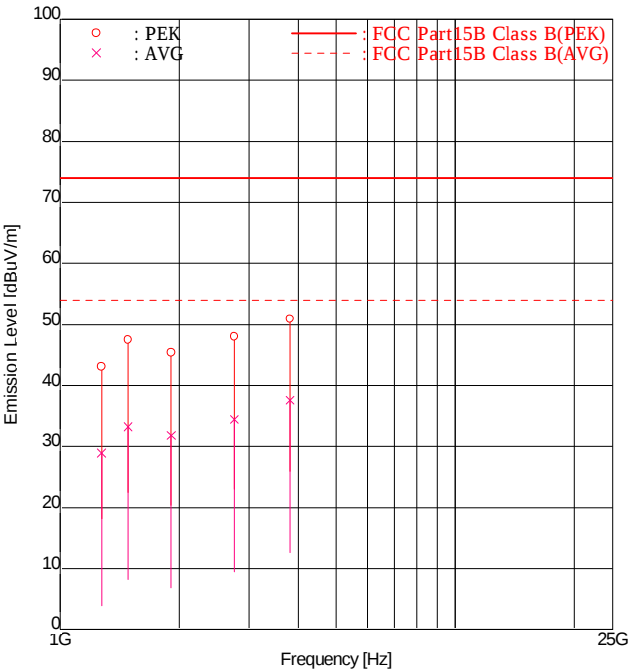
ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	67.80	-	30.7	-7.9	-7.9	-	22.8	40.0	-	17.2
2	93.61	-	36.2	-10.6	-10.6	-	25.6	43.5	-	17.9
3	125.00	-	<u>34.0</u>	-6.5	-6.5	-	<u>27.5</u>	43.5	-	<u>16.0</u>
4	162.30	<u>33.3</u>	32.4	-4.4	-4.4	<u>28.9</u>	28.0	43.5	<u>14.6</u>	15.5
5	552.23	<u>34.1</u>	31.9	4.5	4.5	<u>38.6</u>	36.4	46.0	<u>7.4</u>	9.6
6	600.29	<u>32.0</u>	31.9	5.6	5.6	<u>37.6</u>	37.5	46.0	<u>8.4</u>	8.5
7	672.00	-	<u>31.8</u>	6.8	6.8	-	<u>38.6</u>	46.0	-	<u>7.4</u>
8	744.30	<u>31.6</u>	27.8	8.4	8.4	<u>40.0</u>	36.2	46.0	<u>6.0</u>	9.8

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 02 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 155.000 MHz : Band A



ENGINEER : Yoshiaki Yoneyama

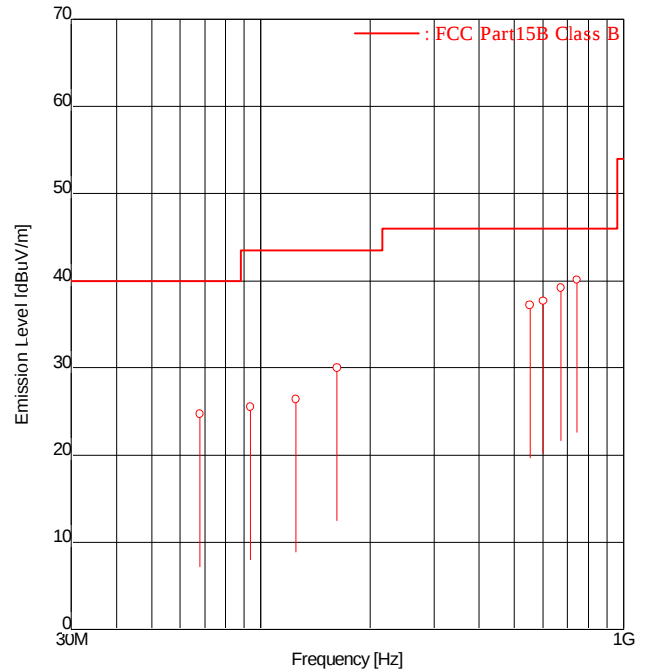
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1272.90	PEK	41.0	41.7	1.4	1.4	42.4	43.1	74.0	31.6	30.9
2	1272.90	AVG	27.3	<u>27.5</u>	1.4	1.4	28.7	<u>28.9</u>	54.0	25.3	<u>25.1</u>
3	1485.05	PEK	45.4	44.2	2.1	2.2	47.5	46.4	74.0	26.5	27.6
4	1485.05	AVG	30.4	<u>31.0</u>	2.1	2.2	32.5	<u>33.2</u>	54.0	21.5	<u>20.8</u>
5	1909.35	PEK	40.5	40.7	4.7	4.7	45.2	45.4	74.0	28.8	28.6
6	1909.35	AVG	26.9	<u>27.1</u>	4.7	4.7	31.6	<u>31.8</u>	54.0	22.4	<u>22.2</u>
7	2757.95	PEK	41.3	41.0	6.7	6.7	48.0	47.7	74.0	26.0	26.3
8	2757.95	AVG	27.6	<u>27.7</u>	6.7	6.7	34.3	<u>34.4</u>	54.0	19.7	<u>19.6</u>
9	3818.70	PEK	40.5	40.1	10.4	10.4	50.9	50.5	74.0	23.1	23.5
10	3818.70	AVG	<u>27.2</u>	27.1	10.4	10.4	<u>37.6</u>	37.5	54.0	<u>16.4</u>	16.5

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

**9.1.2.3 Receive mode (173.995 MHz : Band A)
30 – 1000 MHz**

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 06 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.3 [degC]
HUMIDITY : 48.0 [%]
NOTE : 173.995 MHz : Band A



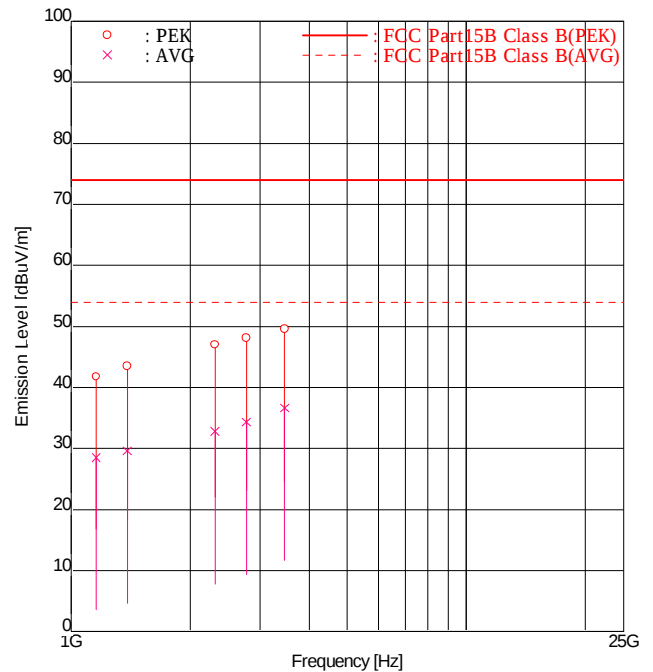
ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	67.86	-	<u>32.6</u>	-7.9	-7.9	-	<u>24.7</u>	40.0	-	<u>15.3</u>
2	93.50	-	36.1	-10.6	-10.6	-	25.5	43.5	-	18.0
3	125.00	-	32.9	-6.5	-6.5	-	26.4	43.5	-	17.1
4	162.36	<u>34.4</u>	32.7	-4.4	-4.4	<u>30.0</u>	28.3	43.5	<u>13.5</u>	15.2
5	552.24	<u>32.7</u>	31.7	4.5	4.5	<u>37.2</u>	36.2	46.0	<u>8.8</u>	9.8
6	600.29	32.0	<u>32.1</u>	5.6	5.6	37.6	<u>37.7</u>	46.0	8.4	<u>8.3</u>
7	672.00	-	<u>32.4</u>	6.8	6.8	-	<u>39.2</u>	46.0	-	<u>6.8</u>
8	744.30	<u>31.7</u>	28.1	8.4	8.4	<u>40.1</u>	36.5	46.0	<u>5.9</u>	9.5

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 02 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 173.995 MHz : Band A



ENGINEER : Yoshiaki Yoneyama

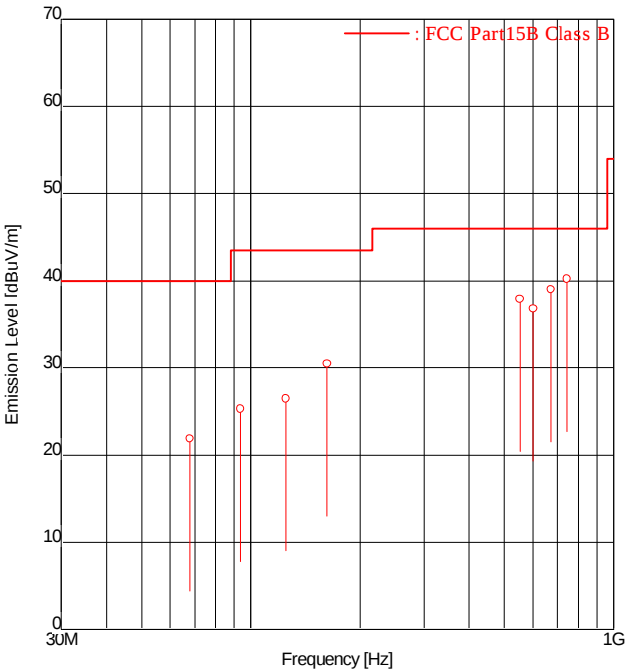
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1155.70	PEK	40.5	40.9	0.9	0.9	41.4	41.8	74.0	32.6	32.2
2	1155.70	AVG	<u>27.6</u>	27.3	0.9	0.9	<u>28.5</u>	28.2	54.0	<u>25.5</u>	25.8
3	1386.84	PEK	41.0	41.6	1.9	1.9	42.9	43.5	74.0	31.1	30.5
4	1386.84	AVG	27.4	<u>27.7</u>	1.9	1.9	29.3	<u>29.6</u>	54.0	24.7	<u>24.4</u>
5	2311.47	PEK	41.1	40.5	5.9	5.9	47.0	46.4	74.0	27.0	27.6
6	2311.47	AVG	26.8	<u>26.9</u>	5.9	5.9	32.7	<u>32.8</u>	54.0	21.3	<u>21.2</u>
7	2773.75	PEK	41.3	41.4	6.7	6.7	48.0	48.1	74.0	26.0	25.9
8	2773.75	AVG	<u>27.6</u>	27.6	6.7	6.7	<u>34.3</u>	34.3	54.0	<u>19.7</u>	19.7
9	3467.18	PEK	40.2	40.3	9.3	9.3	49.5	49.6	74.0	24.5	24.4
10	3467.18	AVG	<u>27.3</u>	27.3	9.3	9.3	<u>36.6</u>	36.6	54.0	<u>17.4</u>	17.4

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.4 Receive mode (216.000 MHz : Band A)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 06 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.3 [degC]
HUMIDITY : 48.0 [%]
NOTE : 216.000 MHz : Band A



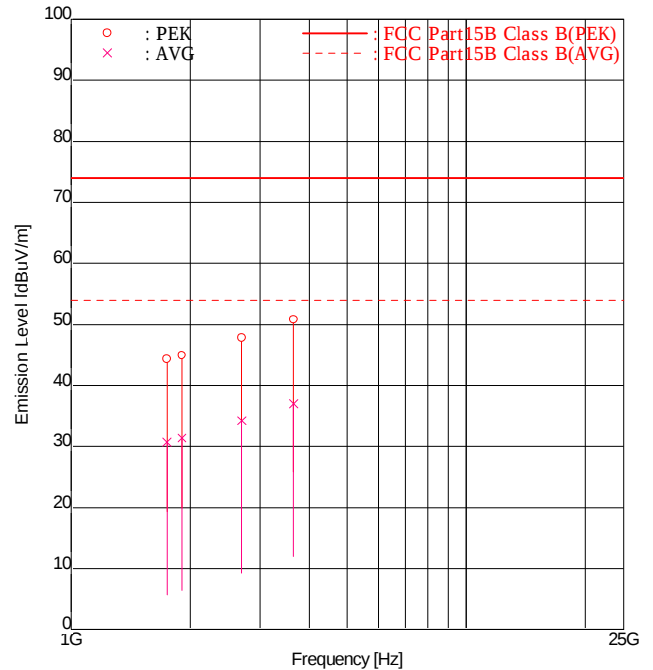
ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	67.86	-	29.8	-7.9	-7.9	-	21.9	40.0	-	18.1
2	93.50	-	35.9	-10.6	-10.6	-	25.3	43.5	-	18.2
3	125.00	-	<u>33.0</u>	-6.5	-6.5	-	<u>26.5</u>	43.5	-	<u>17.0</u>
4	162.36	<u>34.9</u>	32.1	-4.4	-4.4	<u>30.5</u>	27.7	43.5	<u>13.0</u>	15.8
5	552.24	<u>33.4</u>	30.7	4.5	4.5	<u>37.9</u>	35.2	46.0	<u>8.1</u>	10.8
6	600.29	<u>31.2</u>	31.0	5.6	5.6	<u>36.8</u>	36.6	46.0	<u>9.2</u>	9.4
7	672.00	-	<u>32.2</u>	6.8	6.8	-	<u>39.0</u>	46.0	-	<u>7.0</u>
8	744.30	<u>31.8</u>	28.8	8.4	8.4	<u>40.2</u>	37.2	46.0	<u>5.8</u>	8.8

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 02 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 216.000 MHz : Band A



ENGINEER : Yoshiaki Yoneyama

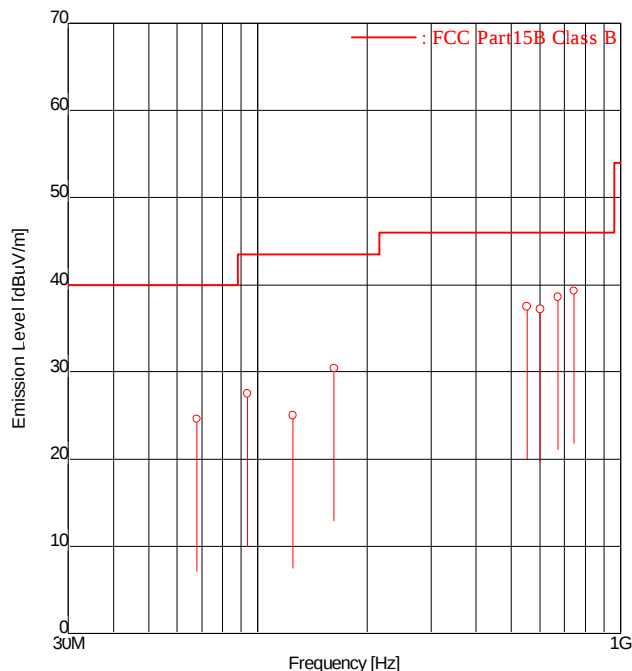
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1747.35	PEK	40.5	40.6	3.7	3.7	44.2	44.3	74.0	29.8	29.7
2	1747.35	AVG	<u>27.0</u>	27.0	3.7	3.7	<u>30.7</u>	30.7	54.0	23.3	23.3
3	1906.20	PEK	40.3	39.8	4.6	4.6	44.9	44.4	74.0	29.1	29.6
4	1906.20	AVG	26.6	<u>26.8</u>	4.6	4.6	31.2	<u>31.4</u>	54.0	22.8	<u>22.6</u>
5	2700.45	PEK	<u>41.3</u>	40.9	6.5	6.6	<u>47.8</u>	47.5	74.0	<u>26.2</u>	26.5
6	2700.45	AVG	27.5	<u>27.6</u>	6.5	6.6	34.0	<u>34.2</u>	54.0	20.0	<u>19.8</u>
7	3653.55	PEK	<u>40.8</u>	40.2	10.0	10.0	<u>50.8</u>	50.2	74.0	<u>23.2</u>	23.8
8	3653.55	AVG	26.9	<u>27.0</u>	10.0	10.0	36.9	<u>37.0</u>	54.0	17.1	<u>17.0</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

**9.1.2.5 Receive mode (238.000 MHz : Band A)
30 – 1000 MHz**

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 06 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.3 [degC]
HUMIDITY : 48.0 [%]
NOTE : 238.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	67.86	-	<u>32.5</u>	-7.9	-7.9	-	<u>24.6</u>	40.0	-	<u>15.4</u>
2	93.50	-	38.1	-10.6	-10.6	-	27.5	43.5	-	16.0
3	125.00	-	31.5	-6.5	-6.5	-	25.0	43.5	-	18.5
4	162.36	<u>34.8</u>	33.1	-4.4	-4.4	<u>30.4</u>	28.7	43.5	<u>13.1</u>	14.8
5	552.24	<u>33.0</u>	31.0	4.5	4.5	<u>37.5</u>	35.5	46.0	<u>8.5</u>	10.5
6	600.29	<u>31.6</u>	31.4	5.6	5.6	<u>37.2</u>	37.0	46.0	<u>8.8</u>	9.0
7	672.00	-	<u>31.8</u>	6.8	6.8	-	<u>38.6</u>	46.0	-	<u>7.4</u>
8	744.30	<u>30.9</u>	30.1	8.4	8.4	<u>39.3</u>	38.5	46.0	<u>6.7</u>	7.5

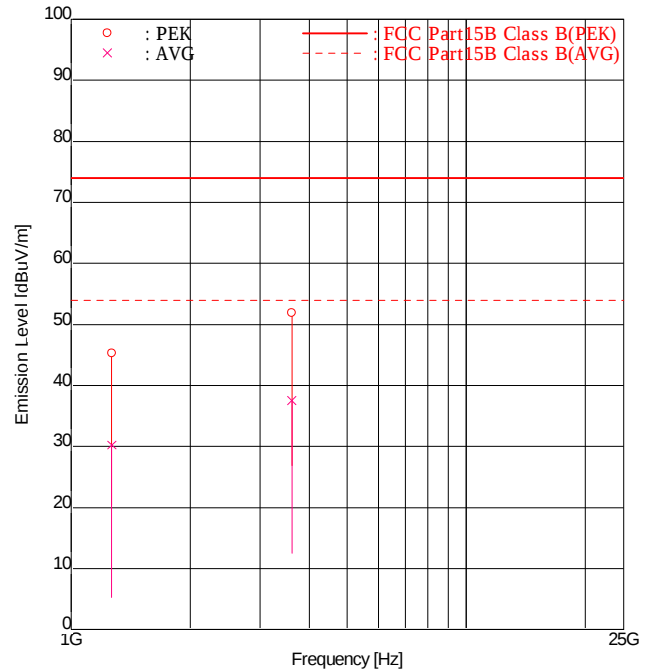
Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

emiT 3, 0, 0, 0

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Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 238.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

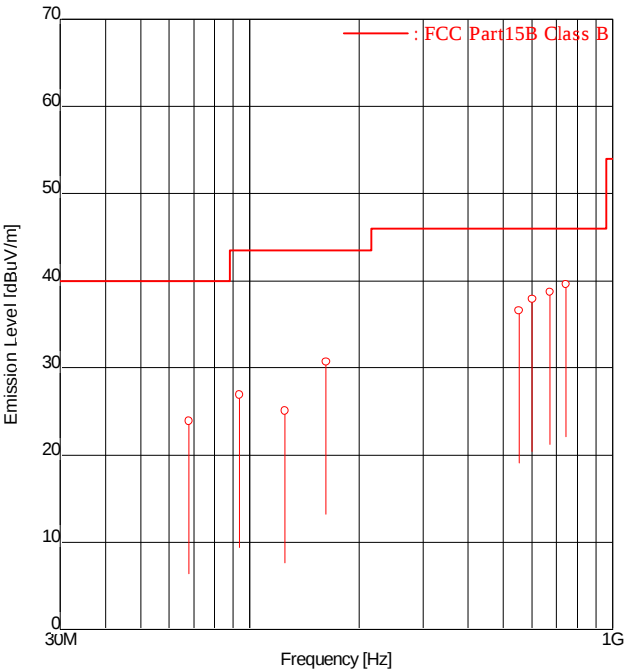
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1265.95	PEK	42.8	<u>43.9</u>	1.4	1.4	44.2	<u>45.3</u>	74.0	29.8	<u>28.7</u>
2	1265.95	AVG	28.6	<u>28.8</u>	1.4	1.4	30.0	<u>30.2</u>	54.0	24.0	<u>23.8</u>
3	3617.00	PEK	41.8	<u>42.0</u>	9.9	9.9	51.7	<u>51.9</u>	74.0	22.3	<u>22.1</u>
4	3617.00	AVG	27.1	<u>27.6</u>	9.9	9.9	37.0	<u>37.5</u>	54.0	17.0	<u>16.5</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.6 Receive mode (259.995 MHz : Band A)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 06 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.3 [degC]
HUMIDITY : 48.0 [%]
NOTE : 259.995 MHz : Band A



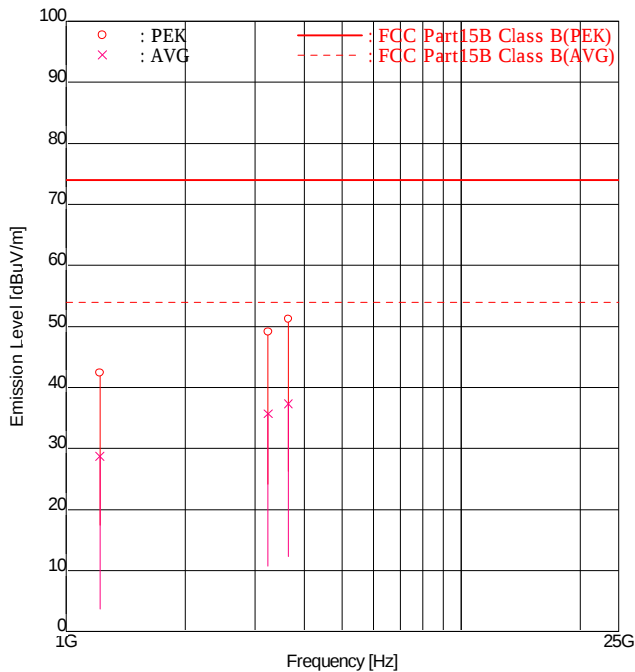
ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	67.86	-	<u>31.8</u>	-7.9	-7.9	-	<u>23.9</u>	40.0	-	<u>16.1</u>
2	93.50	-	37.5	-10.6	-10.6	-	26.9	43.5	-	16.6
3	125.00	-	31.6	-6.5	-6.5	-	25.1	43.5	-	18.4
4	162.36	<u>35.1</u>	33.0	-4.4	-4.4	<u>30.7</u>	28.6	43.5	<u>12.8</u>	14.9
5	552.24	<u>31.9</u>	<u>32.1</u>	4.5	4.5	<u>36.4</u>	<u>36.6</u>	46.0	9.6	<u>9.4</u>
6	600.29	<u>32.3</u>	31.5	5.6	5.6	<u>37.9</u>	37.1	46.0	<u>8.1</u>	8.9
7	672.00	-	<u>31.9</u>	6.8	6.8	-	<u>38.7</u>	46.0	-	<u>7.3</u>
8	744.30	<u>31.2</u>	30.3	8.4	8.4	<u>39.6</u>	38.7	46.0	<u>6.4</u>	7.3

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 259.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

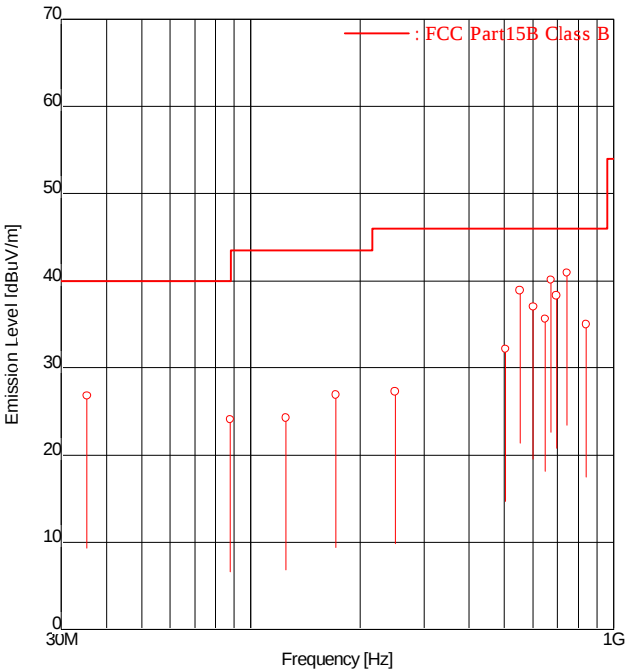
FREQUENCY [No]	MODE	READING [dBuV]	FACTOR [dB]		EMISSION [dBuV/m]	LIMIT [dBuV/m]		MARGIN [dB]	
			Hori	Vert		Hori	Vert	Hori	Vert
1	1217.07 PEK	41.0	<u>1.1</u>	<u>1.1</u>	42.1	<u>42.4</u>	74.0	31.9	<u>31.6</u>
2	1217.07 AVG	<u>27.6</u>	1.1	1.1	28.7	28.6	54.0	25.3	25.4
3	3245.52 PEK	40.2	<u>8.3</u>	<u>8.3</u>	48.5	<u>49.1</u>	74.0	25.5	<u>24.9</u>
4	3245.52 AVG	26.9	<u>8.3</u>	<u>8.3</u>	35.2	<u>35.7</u>	54.0	18.8	<u>18.3</u>
5	3651.21 PEK	<u>41.2</u>	10.0	10.0	<u>51.2</u>	50.9	74.0	<u>22.8</u>	23.1
6	3651.21 AVG	27.1	<u>10.0</u>	<u>10.0</u>	37.1	<u>37.3</u>	54.0	16.9	<u>16.7</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.7 Receive mode (410.000 MHz : Band A)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 25.0 [degC]
HUMIDITY : 49.0 [%]
NOTE : 410.000 MHz : Band A



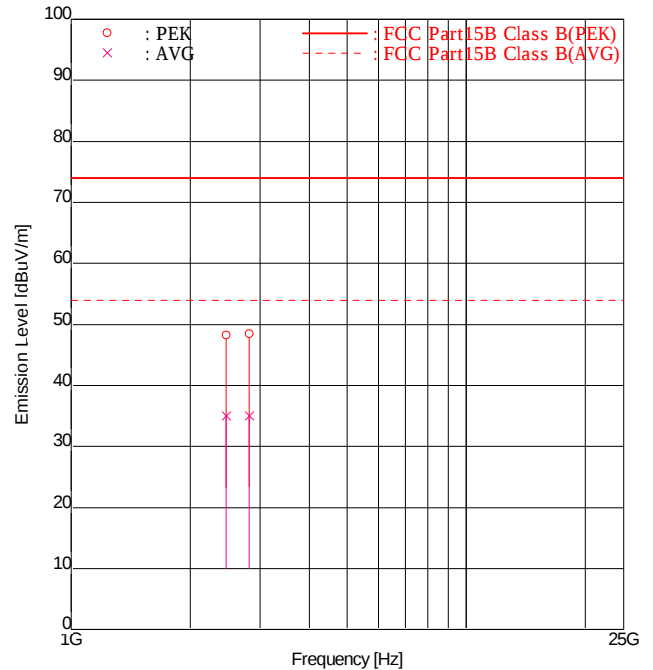
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.35	-	34.5	-7.7	-7.7	-	26.8	40.0	-	13.2
2	87.70	-	34.9	-10.8	-10.8	-	24.1	40.0	-	15.9
3	125.00	-	30.8	-6.5	-6.5	-	24.3	43.5	-	19.2
4	171.65	32.0	-	-5.1	-5.1	26.9	-	43.5	16.6	-
5	250.00	31.5	-	-4.2	-4.2	27.3	-	46.0	18.7	-
6	504.25	27.6	28.8	3.4	3.4	31.0	32.2	46.0	15.0	13.8
7	552.27	<u>34.4</u>	30.7	4.5	4.5	<u>38.9</u>	35.2	46.0	<u>7.1</u>	10.8
8	600.29	<u>31.4</u>	28.9	5.6	5.6	<u>37.0</u>	34.5	46.0	<u>9.0</u>	11.5
9	648.33	<u>29.1</u>	28.2	6.5	6.5	<u>35.6</u>	34.7	46.0	<u>10.4</u>	11.3
10	672.00	28.3	<u>33.3</u>	6.8	6.8	35.1	<u>40.1</u>	46.0	10.9	<u>5.9</u>
11	696.31	30.9	27.5	7.4	7.4	38.3	34.9	46.0	7.7	11.1
12	744.36	<u>32.5</u>	27.3	8.4	8.4	<u>40.9</u>	35.7	46.0	<u>5.1</u>	10.3
13	840.40	24.7	23.5	10.3	10.3	35.0	33.8	46.0	11.0	12.2

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 410.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

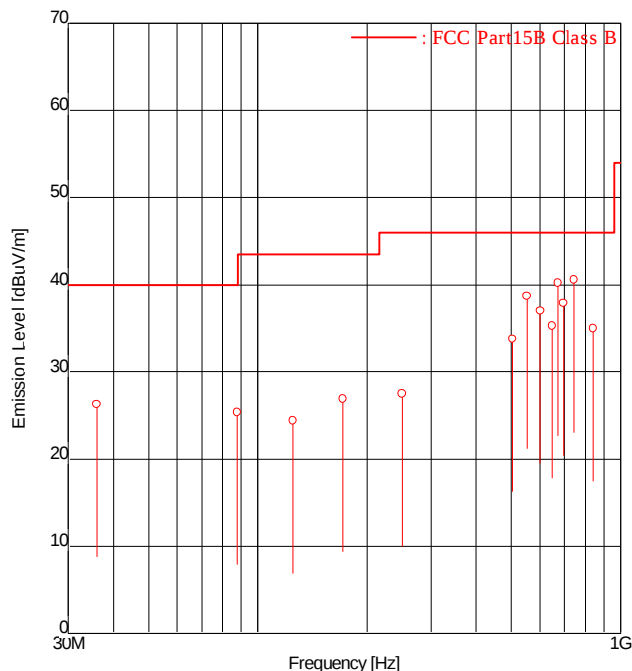
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	2469.95	PEK	41.2	<u>42.1</u>	6.1	6.1	47.3	<u>48.2</u>	74.0	26.7	<u>25.8</u>
2	2469.95	AVG	28.0	<u>28.9</u>	6.1	6.1	34.1	<u>35.0</u>	54.0	19.9	<u>19.0</u>
3	2822.80	PEK	40.9	<u>41.5</u>	6.9	6.9	47.8	<u>48.4</u>	74.0	26.2	<u>25.6</u>
4	2822.80	AVG	27.0	<u>28.1</u>	6.9	6.9	33.9	<u>35.0</u>	54.0	20.1	<u>19.0</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

**9.1.2.8 Receive mode (440.000 MHz : Band A)
30 – 1000 MHz**

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 25.0 [degC]
HUMIDITY : 49.0 [%]
NOTE : 440.000 MHz : Band A



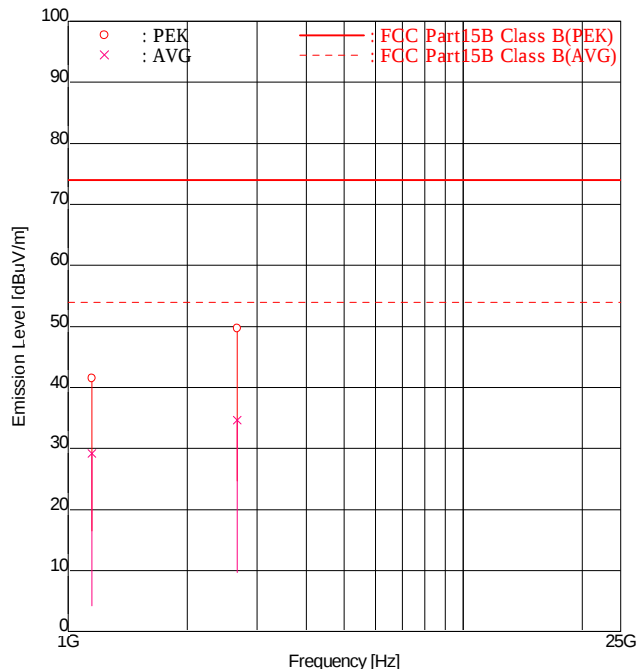
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.95	-	34.0	-7.7	-7.7	-	26.3	40.0	-	13.7
2	87.83	-	36.3	-10.9	-10.9	-	25.4	40.0	-	14.6
3	125.00	-	30.9	-6.5	-6.5	-	24.4	43.5	-	19.1
4	171.65	32.0	-	-5.1	-5.1	26.9	-	43.5	16.6	-
5	250.00	31.7	-	-4.2	-4.2	27.5	-	46.0	18.5	-
6	504.25	30.4	28.9	3.4	3.4	33.8	32.3	46.0	12.2	13.7
7	552.27	<u>34.2</u>	31.0	4.5	4.5	<u>38.7</u>	35.5	46.0	<u>7.3</u>	10.5
8	600.29	<u>31.4</u>	28.9	5.6	5.6	<u>37.0</u>	34.5	46.0	<u>9.0</u>	11.5
9	648.33	<u>28.8</u>	27.3	6.5	6.5	<u>35.3</u>	33.8	46.0	<u>10.7</u>	12.2
10	672.00	28.3	<u>33.4</u>	6.8	6.8	35.1	<u>40.2</u>	46.0	10.9	<u>5.8</u>
11	696.31	30.5	27.2	7.4	7.4	37.9	34.6	46.0	8.1	11.4
12	744.36	<u>32.2</u>	27.7	8.4	8.4	<u>40.6</u>	36.1	46.0	<u>5.4</u>	9.9
13	840.40	24.7	23.2	10.3	10.3	35.0	33.5	46.0	11.0	12.5

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 440.000 MHz : Band A



ENGINEER : Daichi Mitsunaga

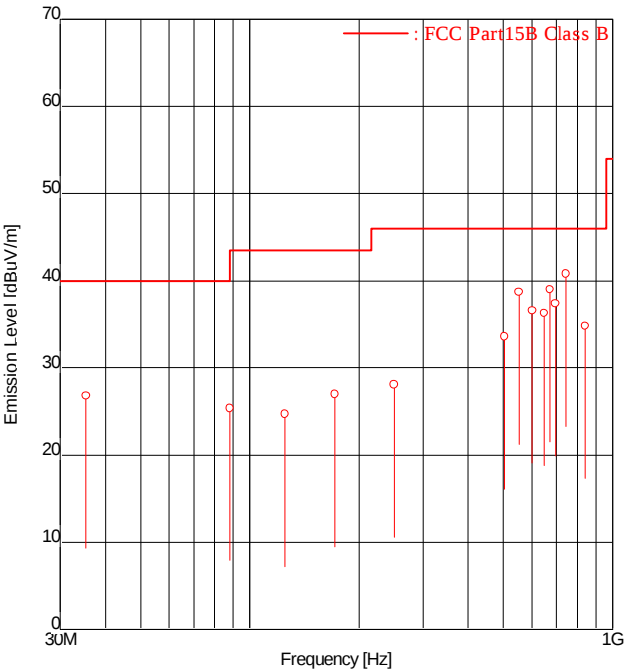
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1148.55	PEK	40.5	<u>40.6</u>	0.9	0.9	41.4	<u>41.5</u>	74.0	32.6	<u>32.5</u>
2	1148.55	AVG	<u>28.3</u>	27.8	0.9	0.9	<u>29.2</u>	28.7	54.0	<u>24.8</u>	25.3
3	2679.95	PEK	<u>43.2</u>	41.5	6.5	6.5	<u>49.7</u>	48.0	74.0	<u>24.3</u>	26.0
4	2679.95	AVG	26.1	<u>28.1</u>	6.5	6.5	32.6	<u>34.6</u>	54.0	21.4	<u>19.4</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.9 Receive mode (469.995 MHz : Band A)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 25.0 [degC]
HUMIDITY : 49.0 [%]
NOTE : 469.995 MHz : Band A



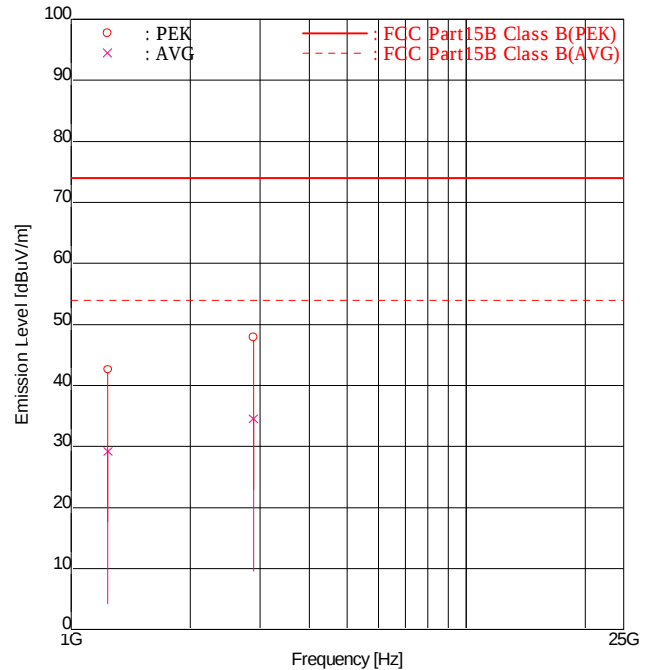
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.35	-	34.5	-7.7	-7.7	-	26.8	40.0	-	13.2
2	87.98	-	36.3	-10.9	-10.9	-	25.4	40.0	-	14.6
3	125.00	-	31.2	-6.5	-6.5	-	24.7	43.5	-	18.8
4	171.65	32.1	-	-5.1	-5.1	27.0	-	43.5	16.5	-
5	250.00	32.3	-	-4.2	-4.2	28.1	-	46.0	17.9	-
6	504.25	30.2	28.5	3.4	3.4	33.6	31.9	46.0	12.4	14.1
7	552.27	<u>34.2</u>	31.7	4.5	4.5	<u>38.7</u>	36.2	46.0	<u>7.3</u>	9.8
8	600.29	<u>31.0</u>	29.3	5.6	5.6	<u>36.6</u>	34.9	46.0	<u>9.4</u>	11.1
9	648.33	<u>29.8</u>	28.9	6.5	6.5	<u>36.3</u>	35.4	46.0	<u>9.7</u>	10.6
10	672.00	28.5	<u>32.2</u>	6.8	6.8	35.3	<u>39.0</u>	46.0	10.7	<u>7.0</u>
11	696.31	30.0	26.8	7.4	7.4	37.4	34.2	46.0	8.6	11.8
12	744.36	<u>32.4</u>	27.7	8.4	8.4	<u>40.8</u>	36.1	46.0	<u>5.2</u>	9.9
13	840.40	24.5	23.0	10.3	10.3	34.8	33.3	46.0	11.2	12.7

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 469.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

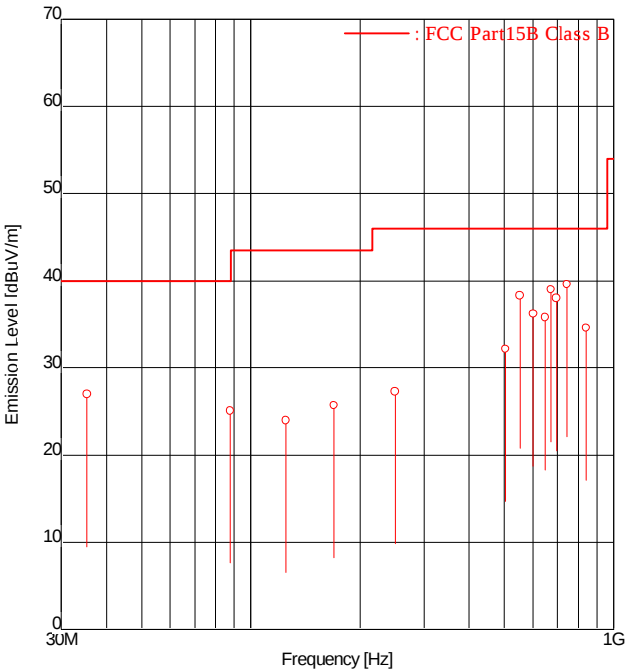
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1238.54	PEK	<u>41.3</u>	41.0	1.3	1.3	<u>42.6</u>	42.3	74.0	<u>31.4</u>	31.7
2	1238.54	AVG	<u>27.9</u>	27.3	1.3	1.3	<u>29.2</u>	28.6	54.0	<u>24.8</u>	25.4
3	2889.92	PEK	40.1	<u>40.8</u>	7.1	7.1	47.2	<u>47.9</u>	74.0	26.8	<u>26.1</u>
4	2889.92	AVG	27.2	<u>27.4</u>	7.1	7.1	34.3	<u>34.5</u>	54.0	19.7	<u>19.5</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.10 Receive mode (0.100 MHz : Band B)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 42.0 [%]
NOTE : 0.100 MHz : Band B



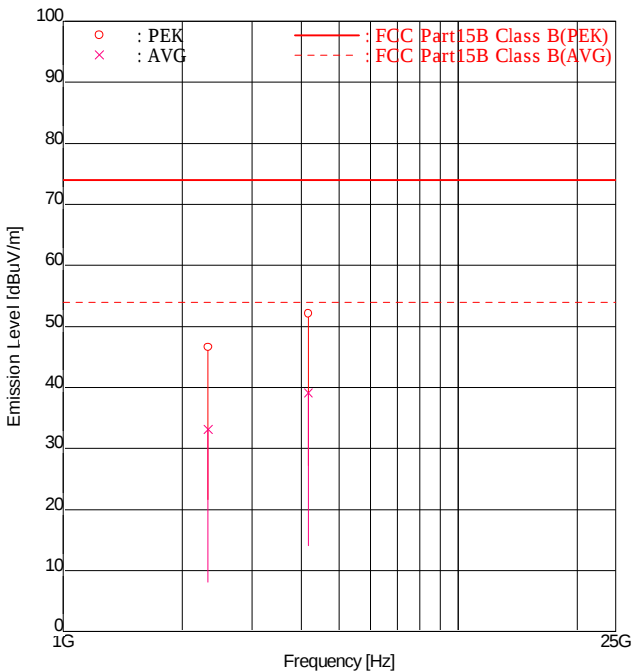
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.35	-	34.7	-7.7	-7.7	-	27.0	40.0	-	13.0
2	87.74	-	35.9	-10.8	-10.8	-	25.1	40.0	-	14.9
3	125.00	-	30.5	-6.5	-6.5	-	24.0	43.5	-	19.5
4	169.35	30.6	-	-4.9	-4.9	25.7	-	43.5	17.8	-
5	250.00	31.5	-	-4.2	-4.2	27.3	-	46.0	18.7	-
6	504.23	27.7	28.8	3.4	3.4	31.1	32.2	46.0	14.9	13.8
7	552.26	<u>33.8</u>	29.8	4.5	4.5	<u>38.3</u>	34.3	46.0	<u>7.7</u>	11.7
8	600.28	<u>30.6</u>	29.1	5.6	5.6	<u>36.2</u>	34.7	46.0	<u>9.8</u>	11.3
9	648.30	<u>29.3</u>	28.1	6.5	6.5	<u>35.8</u>	34.6	46.0	<u>10.2</u>	11.4
10	672.00	28.2	<u>32.2</u>	6.8	6.8	35.0	<u>39.0</u>	46.0	11.0	<u>7.0</u>
11	696.31	30.6	27.2	7.4	7.4	38.0	34.6	46.0	8.0	11.4
12	744.35	<u>31.2</u>	26.5	8.4	8.4	<u>39.6</u>	34.9	46.0	<u>6.4</u>	11.1
13	840.39	24.3	23.0	10.3	10.3	34.6	33.3	46.0	11.4	12.7

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 0.100 MHz : Band B



ENGINEER : Daichi Mitsunaga

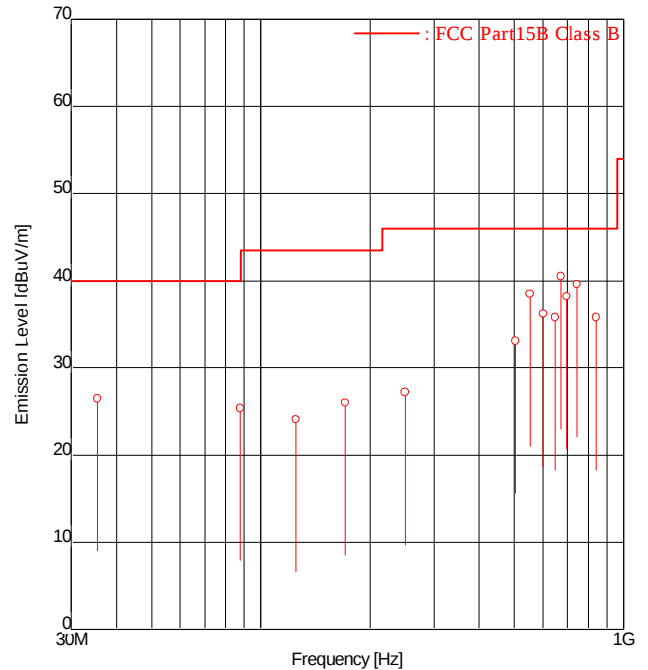
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	2326.00	PEK	39.9	<u>40.7</u>	5.9	5.9	45.8	<u>46.6</u>	74.0	28.2	<u>27.4</u>
2	2326.00	AVG	27.1	<u>27.2</u>	5.9	5.9	33.0	<u>33.1</u>	54.0	21.0	<u>20.9</u>
3	4172.97	PEK	40.7	<u>40.8</u>	11.3	11.3	52.0	<u>52.1</u>	74.0	22.0	<u>21.9</u>
4	4172.97	AVG	<u>27.8</u>	27.5	11.3	11.3	<u>39.1</u>	38.8	54.0	<u>14.9</u>	15.2

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

**9.1.2.11 Receive mode (262.000 MHz : Band B)
30 – 1000 MHz**

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 42.0 [%]
NOTE : 262.000 MHz : Band B



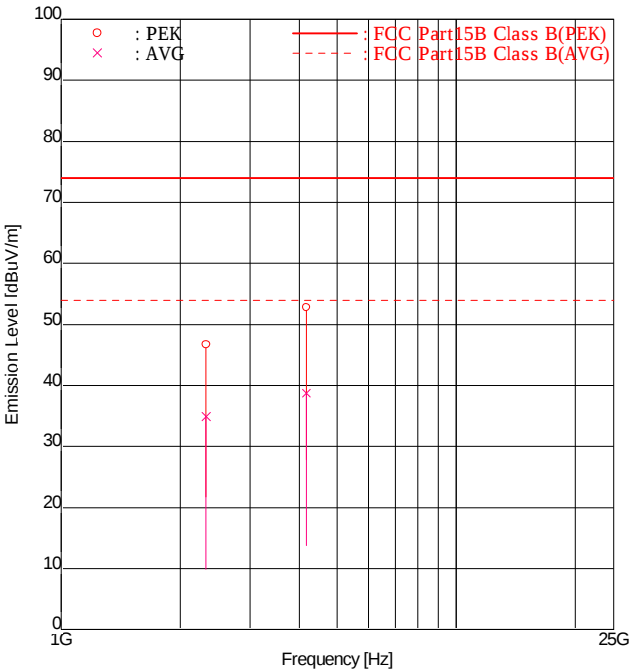
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.45	-	34.2	-7.7	-7.7	-	26.5	40.0	-	13.5
2	87.83	-	36.3	-10.9	-10.9	-	25.4	40.0	-	14.6
3	125.00	-	30.6	-6.5	-6.5	-	24.1	43.5	-	19.4
4	170.90	31.0	-	-5.0	-5.0	26.0	-	43.5	17.5	-
5	250.00	31.4	-	-4.2	-4.2	27.2	-	46.0	18.8	-
6	504.23	29.3	29.7	3.4	3.4	32.7	33.1	46.0	13.3	12.9
7	552.25	<u>34.0</u>	30.8	4.5	4.5	<u>38.5</u>	35.3	46.0	<u>7.5</u>	10.7
8	600.27	30.5	<u>30.6</u>	5.6	5.6	<u>36.1</u>	<u>36.2</u>	46.0	9.9	<u>9.8</u>
9	648.30	<u>29.3</u>	27.9	6.5	6.5	<u>35.8</u>	<u>34.4</u>	46.0	<u>10.2</u>	11.6
10	672.00	28.3	<u>33.7</u>	6.8	6.8	35.1	<u>40.5</u>	46.0	10.9	<u>5.5</u>
11	696.37	<u>30.8</u>	27.5	7.4	7.4	<u>38.2</u>	34.9	46.0	<u>7.8</u>	11.1
12	744.34	<u>31.2</u>	27.2	8.4	8.4	<u>39.6</u>	35.6	46.0	<u>6.4</u>	10.4
13	840.39	<u>25.5</u>	23.0	10.3	10.3	<u>35.8</u>	33.3	46.0	<u>10.2</u>	12.7

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 262.000 MHz : Band B



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	2326.00	PEK	40.1	<u>40.8</u>	5.9	5.9	46.0	<u>46.7</u>	74.0	28.0	<u>27.3</u>
2	2326.00	AVG	<u>29.0</u>	27.2	5.9	5.9	<u>34.9</u>	33.1	54.0	<u>19.1</u>	20.9
3	4172.97	PEK	41.3	<u>41.5</u>	11.3	11.3	52.6	<u>52.8</u>	74.0	21.4	<u>21.2</u>
4	4172.97	AVG	<u>27.4</u>	27.4	11.3	11.3	<u>38.7</u>	38.7	54.0	<u>15.3</u>	15.3

Higher six points are underlined.

Other frequencies : Below the FCC Part15B Class B limit

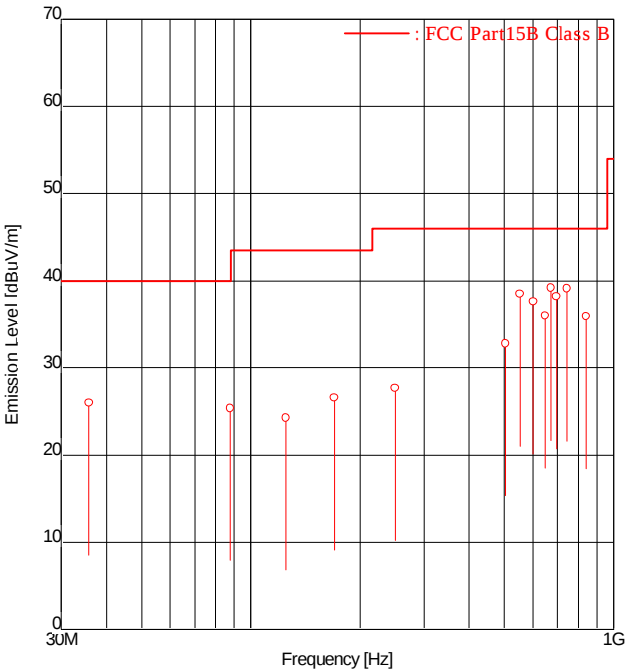
Emission Level=Read+Fact.

Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.12 Receive mode (523.995 MHz : Band B)
30 – 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 42.0 [%]
NOTE : 523.995 MHz : Band B



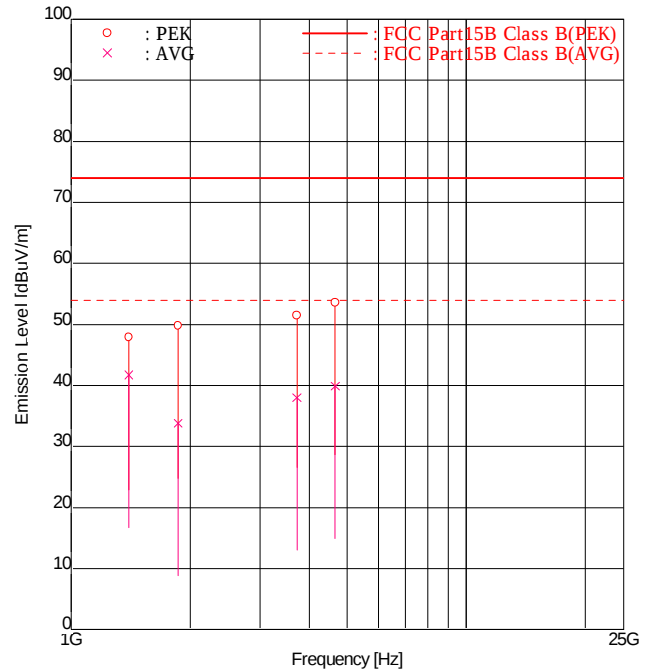
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]		MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert	Hori	Vert	Hori	Vert
1	35.75	-	33.7	-7.7	-7.7	-	26.0	40.0	-	14.0	-
2	87.80	-	36.2	-10.8	-10.8	-	25.4	40.0	-	14.6	-
3	125.00	-	30.8	-6.5	-6.5	-	24.3	43.5	-	19.2	-
4	169.84	31.5	-	-4.9	-4.9	26.6	-	43.5	16.9	-	-
5	250.00	31.9	-	-4.2	-4.2	27.7	-	46.0	18.3	-	-
6	504.22	29.4	28.9	3.4	3.4	32.8	32.3	46.0	13.2	13.7	-
7	552.25	<u>34.0</u>	31.3	4.5	4.5	<u>38.5</u>	35.8	46.0	<u>7.5</u>	10.2	-
8	600.27	30.8	<u>32.0</u>	5.6	5.6	36.4	<u>37.6</u>	46.0	9.6	<u>8.4</u>	-
9	648.29	29.5	27.8	6.5	6.5	36.0	34.3	46.0	<u>10.0</u>	11.7	-
10	672.00	28.6	<u>32.4</u>	6.8	6.8	35.4	<u>39.2</u>	46.0	10.6	<u>6.8</u>	-
11	696.31	30.8	27.2	7.4	7.4	38.2	34.6	46.0	7.8	11.4	-
12	744.34	<u>30.7</u>	27.5	8.4	8.4	<u>39.1</u>	35.9	46.0	<u>6.9</u>	10.1	-
13	840.39	25.6	23.2	10.3	10.3	35.9	33.5	46.0	10.1	12.5	-

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : Receive mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 523.995 MHz : Band B



ENGINEER : Daichi Mitsunaga

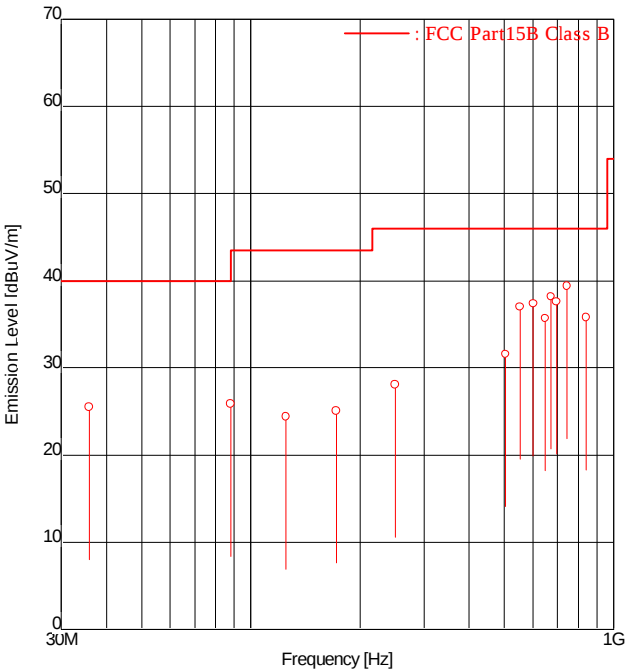
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1397.83	PEK	45.2	46.0	1.9	1.9	47.1	47.9	74.0	26.9	26.1
2	1397.83	AVG	38.6	<u>39.8</u>	1.9	1.9	40.5	<u>41.7</u>	54.0	13.5	<u>12.3</u>
3	1863.78	PEK	45.3	43.9	4.5	4.5	49.8	48.4	74.0	24.2	25.6
4	1863.78	AVG	29.2	<u>29.3</u>	4.5	4.5	33.7	<u>33.8</u>	54.0	20.3	<u>20.2</u>
5	3727.56	PEK	<u>41.3</u>	41.3	10.2	10.2	<u>51.5</u>	51.5	74.0	<u>22.5</u>	22.5
6	3727.56	AVG	<u>27.8</u>	27.7	10.2	10.2	<u>38.0</u>	37.9	54.0	<u>16.0</u>	16.1
7	4659.45	PEK	<u>41.6</u>	41.2	12.0	12.0	<u>53.6</u>	53.2	74.0	<u>20.4</u>	20.8
8	4659.45	AVG	<u>27.9</u>	27.5	12.0	12.0	<u>39.9</u>	39.5	54.0	<u>14.1</u>	14.5

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.13 VFO SCAN mode (136.000 - 173.995 MHz : Band A)
30 - 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.0 [degC]
HUMIDITY : 49.0 [%]
NOTE : 136.000 - 173.995 MHz : Band A



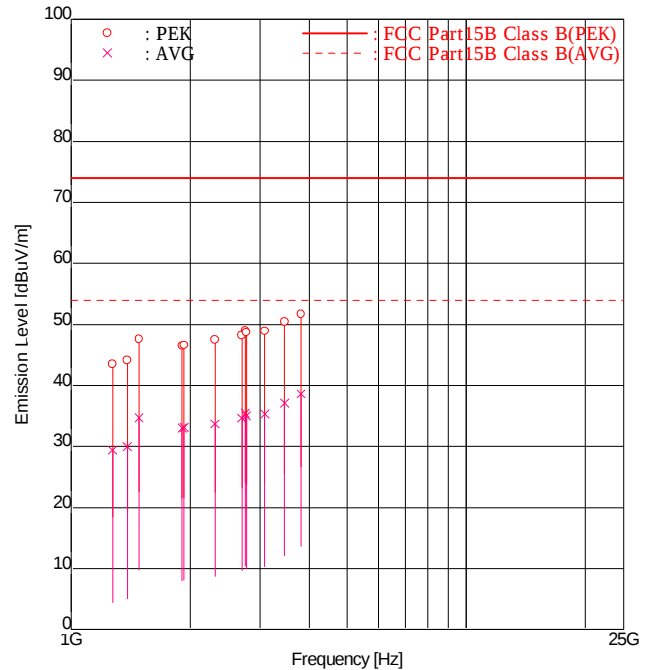
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.80	-	33.2	-7.7	-7.7	-	25.5	40.0	-	14.5
2	87.89	-	36.8	-10.9	-10.9	-	25.9	40.0	-	14.1
3	125.00	-	30.9	-6.5	-6.5	-	24.4	43.5	-	19.1
4	171.90	30.2	-	-5.1	-5.1	25.1	-	43.5	18.4	-
5	250.00	32.3	-	-4.2	-4.2	28.1	-	46.0	17.9	-
6	504.22	27.5	28.2	3.4	3.4	30.9	31.6	46.0	15.1	14.4
7	552.24	<u>32.5</u>	31.0	4.5	4.5	<u>37.0</u>	35.5	46.0	<u>9.0</u>	10.5
8	600.26	29.7	<u>31.8</u>	5.6	5.6	<u>35.3</u>	<u>37.4</u>	46.0	10.7	<u>8.6</u>
9	648.28	29.2	27.5	6.5	6.5	35.7	34.0	46.0	10.3	12.0
10	672.00	28.3	<u>31.4</u>	6.8	6.8	35.1	<u>38.2</u>	46.0	10.9	<u>7.8</u>
11	696.30	30.2	27.2	7.4	7.4	37.6	34.6	46.0	<u>8.4</u>	11.4
12	744.33	<u>31.0</u>	27.3	8.4	8.4	<u>39.4</u>	35.7	46.0	<u>6.6</u>	10.3
13	840.36	<u>25.5</u>	24.0	10.3	10.3	<u>35.8</u>	34.3	46.0	<u>10.2</u>	11.7

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 136.000 - 173.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

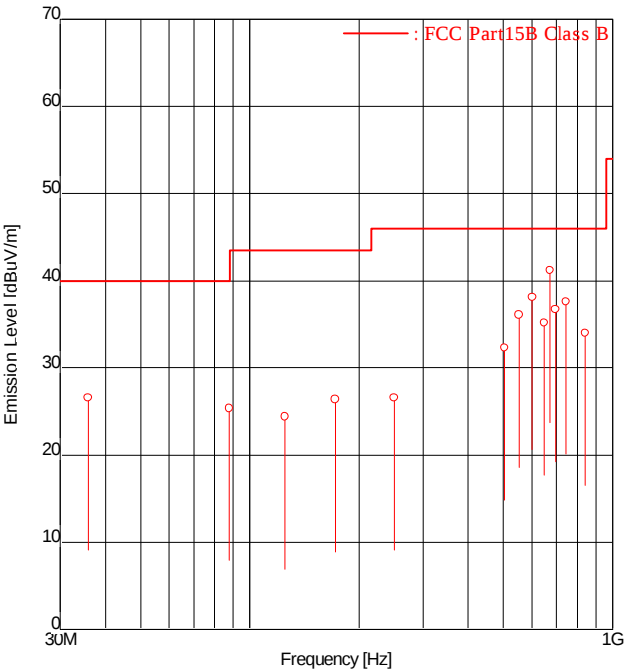
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]		MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert	Hori	Vert	Hori	Vert
1	1272.90	PEK	41.3	42.1	1.4	1.4	42.7	43.5	74.0	31.3	30.5	
2	1272.90	AVG	27.4	28.0	1.4	1.4	28.8	29.4	54.0	25.2	24.6	
3	1386.84	PEK	40.8	42.2	1.9	1.9	42.7	44.1	74.0	31.3	29.9	
4	1386.84	AVG	27.5	28.1	1.9	1.9	29.4	30.0	54.0	24.6	24.0	
5	1485.05	PEK	45.5	44.6	2.1	2.2	47.6	46.8	74.0	26.4	27.2	
6	1485.05	AVG	30.6	<u>32.5</u>	2.1	2.2	32.7	<u>34.7</u>	54.0	21.3	<u>19.3</u>	
7	1909.35	PEK	40.8	41.8	4.7	4.7	45.5	46.5	74.0	28.5	27.5	
8	1909.35	AVG	27.3	28.3	4.7	4.7	32.0	33.0	54.0	22.0	21.0	
9	1931.51	PEK	38.6	41.8	4.8	4.8	43.4	46.6	74.0	30.6	27.4	
10	1931.51	AVG	26.8	28.3	4.8	4.8	31.6	33.1	54.0	22.4	20.9	
11	2311.47	PEK	40.5	41.6	5.9	5.9	46.4	47.5	74.0	27.6	26.5	
12	2311.47	AVG	26.9	27.8	5.9	5.9	32.8	33.7	54.0	21.2	20.3	
13	2704.01	PEK	41.2	41.6	6.6	6.6	47.8	48.2	74.0	26.2	25.8	
14	2704.01	AVG	27.6	28.0	6.6	6.6	34.2	34.6	54.0	19.8	19.4	
15	2757.95	PEK	42.1	42.3	6.7	6.7	48.8	49.0	74.0	25.2	25.0	
16	2757.95	AVG	28.5	<u>28.7</u>	6.7	6.7	35.2	<u>35.4</u>	54.0	18.8	<u>18.6</u>	
17	2773.75	PEK	40.9	42.0	6.7	6.7	47.6	48.7	74.0	26.4	25.3	
18	2773.75	AVG	28.2	<u>28.3</u>	6.7	6.7	34.9	<u>35.0</u>	54.0	19.1	<u>19.0</u>	
19	3090.00	PEK	41.3	40.8	7.6	7.6	48.9	48.4	74.0	25.1	25.6	
20	3090.00	AVG	27.6	<u>27.7</u>	7.6	7.6	35.2	<u>35.3</u>	54.0	18.8	<u>18.7</u>	
21	3467.18	PEK	40.8	41.1	9.3	9.3	50.1	50.4	74.0	23.9	23.6	
22	3467.18	AVG	27.6	<u>27.8</u>	9.3	9.3	36.9	<u>37.1</u>	54.0	17.1	<u>16.9</u>	
23	3818.70	PEK	41.3	41.0	10.4	10.4	51.7	51.4	74.0	22.3	22.6	
24	3818.70	AVG	<u>28.2</u>	28.0	10.4	10.4	<u>38.6</u>	38.4	54.0	<u>15.4</u>	15.6	

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.1.2.14 VFO SCAN mode (216.000 - 259.995 MHz : Band A)
30 - 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.0 [degC]
HUMIDITY : 49.0 [%]
NOTE : 216.000 - 259.995 MHz : Band A



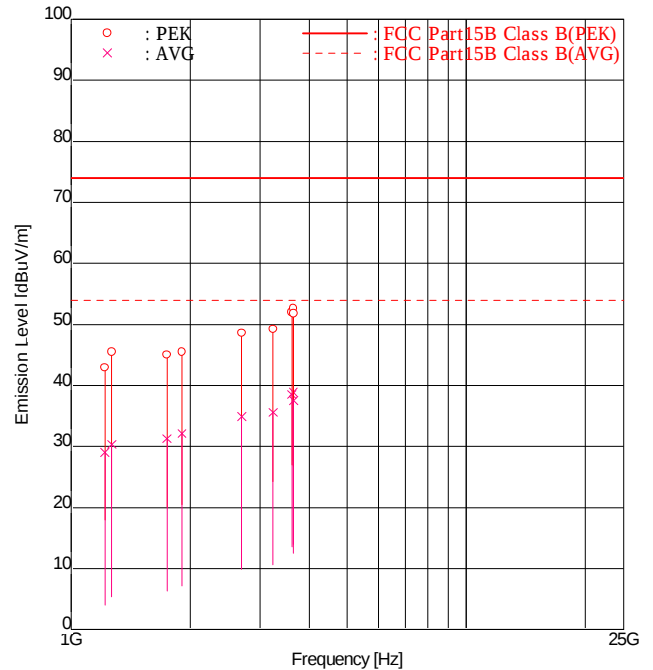
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.80	-	34.3	-7.7	-7.7	-	26.6	40.0	-	13.4
2	87.76	-	36.2	-10.8	-10.8	-	25.4	40.0	-	14.6
3	125.00	-	30.9	-6.5	-6.5	-	24.4	43.5	-	19.1
4	171.87	31.5	-	-5.1	-5.1	26.4	-	43.5	17.1	-
5	250.00	30.8	-	-4.2	-4.2	26.6	-	46.0	19.4	-
6	504.22	28.0	28.9	3.4	3.4	31.4	32.3	46.0	14.6	13.7
7	552.24	<u>31.6</u>	31.1	4.5	4.5	<u>36.1</u>	35.6	46.0	<u>9.9</u>	10.4
8	600.26	30.6	<u>32.5</u>	5.6	5.6	36.2	<u>38.1</u>	46.0	9.8	<u>7.9</u>
9	648.28	<u>28.7</u>	27.0	6.5	6.5	<u>35.2</u>	33.5	46.0	<u>10.8</u>	12.5
10	672.00	28.4	<u>34.4</u>	6.8	6.8	35.2	<u>41.2</u>	46.0	10.8	<u>4.8</u>
11	696.30	<u>29.3</u>	28.2	7.4	7.4	<u>36.7</u>	35.6	46.0	<u>9.3</u>	10.4
12	744.32	<u>29.2</u>	27.8	8.4	8.4	<u>37.6</u>	36.2	46.0	<u>8.4</u>	9.8
13	840.36	23.7	23.5	10.3	10.3	34.0	33.8	46.0	12.0	12.2

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 216.000 - 259.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1217.07	PEK	41.5	41.8	1.1	1.1	42.6	42.9	74.0	31.4	31.1
2	1217.07	AVG	27.9	27.9	1.1	1.1	29.0	29.0	54.0	25.0	25.0
3	1265.95	PEK	43.1	44.1	1.4	1.4	44.5	45.5	74.0	29.5	28.5
4	1265.95	AVG	28.9	28.9	1.4	1.4	30.3	30.3	54.0	23.7	23.7
5	1747.35	PEK	41.0	41.3	3.7	3.7	44.7	45.0	74.0	29.3	29.0
6	1747.35	AVG	27.2	27.6	3.7	3.7	30.9	31.3	54.0	23.1	22.7
7	1906.20	PEK	40.9	40.3	4.6	4.6	45.5	44.9	74.0	28.5	29.1
8	1906.20	AVG	27.1	27.5	4.6	4.6	31.7	32.1	54.0	22.3	21.9
9	2700.45	PEK	41.8	42.0	6.5	6.6	48.3	48.6	74.0	25.7	25.4
10	2700.45	AVG	28.0	<u>28.3</u>	6.5	6.6	34.5	<u>34.9</u>	54.0	19.5	<u>19.1</u>
11	3245.52	PEK	40.1	40.9	8.3	8.3	48.4	49.2	74.0	25.6	24.8
12	3245.52	AVG	27.0	<u>27.3</u>	8.3	8.3	35.3	<u>35.6</u>	54.0	18.7	<u>18.4</u>
13	3617.00	PEK	41.5	42.1	9.9	9.9	51.4	52.0	74.0	22.6	22.0
14	3617.00	AVG	<u>28.6</u>	27.9	9.9	9.9	<u>38.5</u>	37.8	54.0	<u>15.5</u>	16.2
15	3651.21	PEK	<u>42.6</u>	41.3	10.0	10.0	<u>52.6</u>	51.3	74.0	<u>21.4</u>	22.7
16	3651.21	AVG	<u>28.9</u>	27.4	10.0	10.0	<u>38.9</u>	37.4	54.0	<u>15.1</u>	16.6
17	3653.55	PEK	41.1	41.8	10.0	10.0	51.1	51.8	74.0	22.9	22.2
18	3653.55	AVG	27.1	<u>27.5</u>	10.0	10.0	37.1	<u>37.5</u>	54.0	16.9	<u>16.5</u>

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

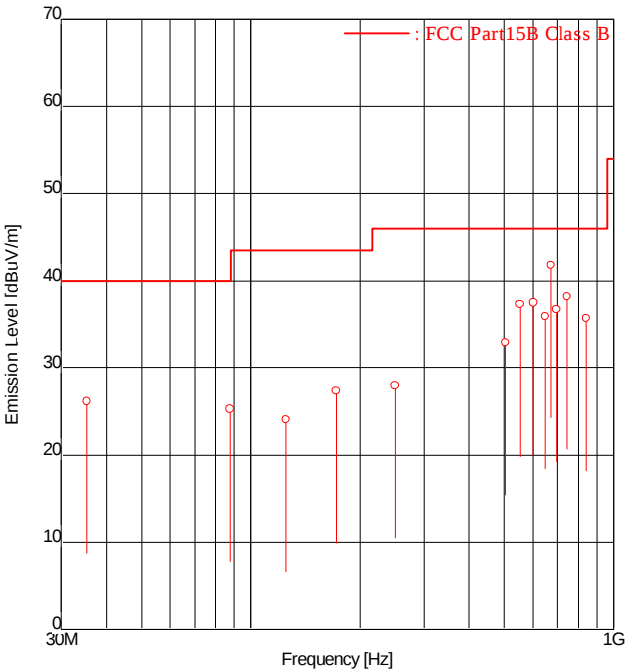
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9.1.2.15 VFO SCAN mode (410.000 - 469.995 MHz : Band A)
30 - 1000 MHz

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 07 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 26.0 [degC]
HUMIDITY : 49.0 [%]
NOTE : 410.000 - 469.995 MHz : Band A



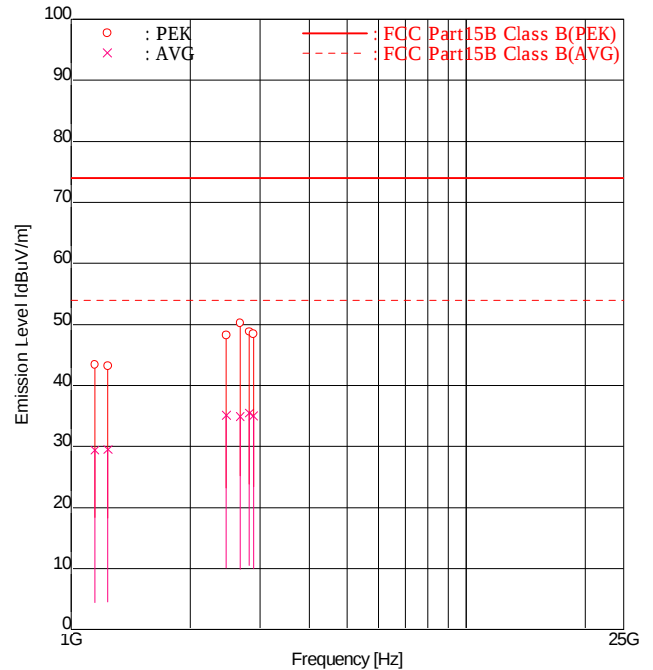
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	35.26	-	33.9	-7.7	-7.7	-	26.2	40.0	-	13.8
2	87.54	-	36.1	-10.8	-10.8	-	25.3	40.0	-	14.7
3	125.00	-	30.6	-6.5	-6.5	-	24.1	43.5	-	19.4
4	171.79	32.5	-	-5.1	-5.1	27.4	-	43.5	16.1	-
5	250.00	32.2	-	-4.2	-4.2	28.0	-	46.0	18.0	-
6	504.22	29.5	29.2	3.4	3.4	32.9	32.6	46.0	13.1	13.4
7	552.24	<u>32.8</u>	30.4	4.5	4.5	<u>37.3</u>	34.9	46.0	<u>8.7</u>	11.1
8	600.26	31.6	<u>31.9</u>	5.6	5.6	<u>37.2</u>	<u>37.5</u>	46.0	8.8	<u>8.5</u>
9	648.28	<u>29.4</u>	26.7	6.5	6.5	<u>35.9</u>	33.2	46.0	<u>10.1</u>	12.8
10	672.00	29.4	<u>35.0</u>	6.8	6.8	36.2	<u>41.8</u>	46.0	9.8	<u>4.2</u>
11	696.30	<u>29.3</u>	28.8	7.4	7.4	<u>36.7</u>	36.2	46.0	<u>9.3</u>	9.8
12	744.32	<u>29.8</u>	27.2	8.4	8.4	<u>38.2</u>	35.6	46.0	<u>7.8</u>	10.4
13	840.36	25.4	23.9	10.3	10.3	35.7	34.2	46.0	10.3	11.8

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 410.000 - 469.995 MHz : Band A



ENGINEER : Daichi Mitsunaga

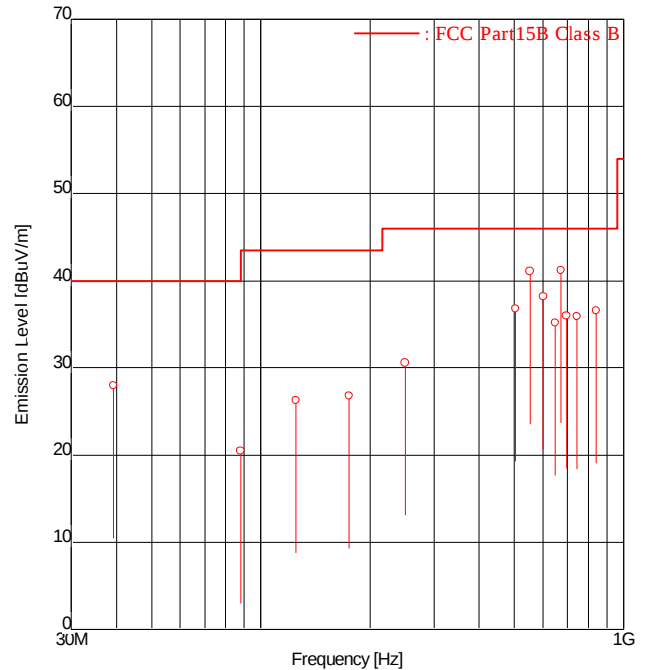
FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]		MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert	Hori	Vert	Hori	Vert
1	1148.55	PEK	40.8	42.5	0.9	0.9	41.7	43.4	74.0	32.3	30.6	
2	1148.55	AVG	28.5	28.1	0.9	0.9	29.4	29.0	54.0	24.6	25.0	
3	1238.54	PEK	41.9	41.0	1.3	1.3	43.2	42.3	74.0	30.8	31.7	
4	1238.54	AVG	<u>28.2</u>	27.8	1.3	1.3	<u>29.5</u>	29.1	54.0	<u>24.5</u>	24.9	
5	2469.95	PEK	42.1	42.1	6.1	6.1	48.2	48.2	74.0	25.8	25.8	
6	2469.95	AVG	28.6	<u>29.0</u>	6.1	6.1	34.7	<u>35.1</u>	54.0	19.3	<u>18.9</u>	
7	2679.95	PEK	<u>43.7</u>	42.0	6.5	6.5	<u>50.2</u>	48.5	74.0	<u>23.8</u>	25.5	
8	2679.95	AVG	26.5	<u>28.4</u>	6.5	6.5	33.0	<u>34.9</u>	54.0	21.0	<u>19.1</u>	
9	2822.80	PEK	41.2	41.9	6.9	6.9	48.1	48.8	74.0	25.9	25.2	
10	2822.80	AVG	27.1	<u>28.6</u>	6.9	6.9	34.0	<u>35.5</u>	54.0	20.0	<u>18.5</u>	
11	2889.92	PEK	40.3	41.3	7.1	7.1	47.4	48.4	74.0	26.6	25.6	
12	2889.92	AVG	27.8	<u>27.9</u>	7.1	7.1	34.9	<u>35.0</u>	54.0	19.1	<u>19.0</u>	

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

**9.1.2.16 VFO SCAN mode (0.100 - 523.995 MHz : Band B)
30 – 1000 MHz**

Intertek Japan K.K.
Matsuda No.2 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Sep 08 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.00 [m]
TEMPERATURE : 22.0 [degC]
HUMIDITY : 78.0 [%]
NOTE : 0.100 - 523.995 MHz : Band B



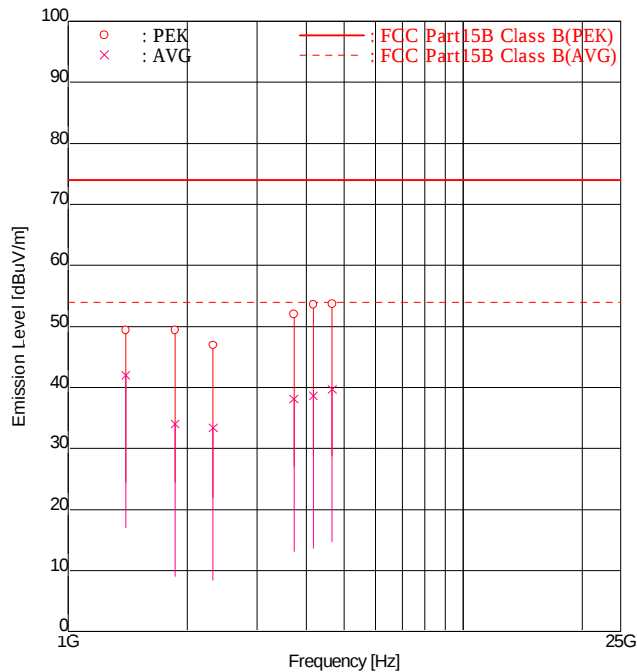
ENGINEER : Yoshiaki Yoneyama

FREQUENCY [No]	FREQUENCY [MHz]	READING [dBuV]		FACTOR [dB/m]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
		Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	39.21	-	35.3	-7.3	-7.3	-	28.0	40.0	-	12.0
2	87.88	-	31.4	-10.9	-10.9	-	20.5	40.0	-	19.5
3	125.00	-	32.8	-6.5	-6.5	-	26.3	43.5	-	17.2
4	175.12	32.1	-	-5.3	-5.3	26.8	-	43.5	16.7	-
5	250.00	34.8	-	-4.2	-4.2	30.6	-	46.0	15.4	-
6	504.24	32.5	<u>33.4</u>	3.4	3.4	35.9	<u>36.8</u>	46.0	10.1	<u>9.2</u>
7	552.25	<u>36.6</u>	34.9	4.5	4.5	<u>41.1</u>	39.4	46.0	<u>4.9</u>	6.6
8	600.29	32.3	<u>32.6</u>	5.6	5.6	37.9	<u>38.2</u>	46.0	8.1	<u>7.8</u>
9	648.29	28.7	26.6	6.5	6.5	35.2	33.1	46.0	10.8	12.9
10	672.00	28.8	<u>34.4</u>	6.8	6.8	35.6	<u>41.2</u>	46.0	10.4	<u>4.8</u>
11	696.31	28.6	26.1	7.4	7.4	36.0	33.5	46.0	<u>10.0</u>	12.5
12	744.34	27.5	25.2	8.4	8.4	35.9	33.6	46.0	10.1	12.4
13	840.40	<u>26.3</u>	24.5	10.3	10.3	<u>36.6</u>	34.8	46.0	<u>9.4</u>	11.2

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level = Read + Factor(Antenna,Antenna Pad,Cable,Preamp)

Above 1000 MHz
Intertek Japan K.K.
Matsuda No.1 Test Site
Radiated Electric Field

APPLICANT : JVCKENWOOD Corporation
EUT NAME : 144/220/430MHz TRIBANDER
MODEL NO. : TH-D75A
SERIAL NO. : FES1 K-50
TEST MODE : VFO SCAN mode
POWER SOURCE : DC13.8 V (PS-60 : AC120 V, 60 Hz)
DATE TESTED : Oct 04 2023
FILE NO. : -
REGULATION : FCC Part15B Class B
TEST METHOD : ANSI C63.4-2014
DISTANCE : 3.86 [m]
TEMPERATURE : 25.5 [degC]
HUMIDITY : 38.0 [%]
NOTE : 0.100 - 523.995 MHz : Band B



ENGINEER : Daichi Mitsunaga

FREQUENCY [No]	MODE [MHz]		READING [dBuV]		FACTOR [dB]		EMISSION [dBuV/m]		LIMIT [dBuV/m]	MARGIN [dB]	
			Hori	Vert	Hori	Vert	Hori	Vert		Hori	Vert
1	1397.83	PEK	45.1	47.5	1.9	1.9	47.0	49.4	74.0	27.0	24.6
2	1397.83	AVG	38.2	<u>40.1</u>	1.9	1.9	40.1	<u>42.0</u>	54.0	13.9	<u>12.0</u>
3	1863.78	PEK	44.9	44.9	4.5	4.5	49.4	49.4	74.0	24.6	24.6
4	1863.78	AVG	29.0	<u>29.5</u>	4.5	4.5	33.5	<u>34.0</u>	54.0	20.5	<u>20.0</u>
5	2326.00	PEK	40.2	41.0	5.9	5.9	46.1	46.9	74.0	27.9	27.1
6	2326.00	AVG	27.4	27.5	5.9	5.9	33.3	33.4	54.0	20.7	20.6
7	3727.56	PEK	41.2	41.8	10.2	10.2	51.4	52.0	74.0	22.6	22.0
8	3727.56	AVG	27.5	<u>27.9</u>	10.2	10.2	37.7	<u>38.1</u>	54.0	16.3	<u>15.9</u>
9	4172.97	PEK	42.3	42.0	11.3	11.3	53.6	53.3	74.0	20.4	20.7
10	4172.97	AVG	<u>27.3</u>	27.1	11.3	11.3	<u>38.6</u>	38.4	54.0	<u>15.4</u>	15.6
11	4659.45	PEK	<u>41.7</u>	41.1	12.0	12.0	<u>53.7</u>	53.1	74.0	<u>20.3</u>	20.9
12	4659.45	AVG	<u>27.7</u>	27.5	12.0	12.0	<u>39.7</u>	39.5	54.0	<u>14.3</u>	14.5

Higher six points are underlined.
Other frequencies : Below the FCC Part15B Class B limit
Emission Level=Read+Fact.
Fact.=Ant. Fact.+Cable Loss-Amp. Gain+ATT+Dist.Conversion

9.2 38dB Rejection test

Location	Matsuda No.2 Test Site
Test Engineer	Daichi Mitsunaga
Date Tested	From September 14, 2023 to September 28, 2023
Temperature Variation	22.8 - 28.0 [degC]
Humidity Variation	52 - 69 [%]

Test Procedure

Item	Document number
38dB Rejection test	LEN-RJP-TE102

9.2.1 Result of 38dB Rejection

9.2.1.1 VFO SCAN mode (136.000 - 173.995 MHz : Band A)

Injected Frequency [MHz]	Detected Frequency [MHz]	12dB SINAD Reading Injected Frequency [dBm]	12dB SINAD Reading Detected Frequency	Rejection Level [dB]	Margin [dB]
824.040	No Point Detected	See Note	See Note	-	-
836.505	No Point Detected	See Note	See Note	-	-
848.970	No Point Detected	See Note	See Note	-	-
869.040	No Point Detected	See Note	See Note	-	-
881.505	No Point Detected	See Note	See Note	-	-
893.970	No Point Detected	See Note	See Note	-	-

Note : There was no need to carry out the measurements because no point was detected.

SG Input Level = 66dBuV

SG Reference Level = -10.0dBuV (the worst case sensitivity)

9.2.1.2 VFO SCAN mode (216.000 - 259.995 MHz : Band A)

Injected Frequency [MHz]	Detected Frequency [MHz]	12dB SINAD Reading Injected Frequency [dBm]	12dB SINAD Reading Detected Frequency	Rejection Level [dB]	Margin [dB]
824.040	No Point Detected	See Note	See Note	-	-
836.505	No Point Detected	See Note	See Note	-	-
848.970	No Point Detected	See Note	See Note	-	-
869.040	No Point Detected	See Note	See Note	-	-
881.505	No Point Detected	See Note	See Note	-	-
893.970	No Point Detected	See Note	See Note	-	-

Note : There was no need to carry out the measurements because no point was detected.

SG Input Level = 66dBuV

SG Reference Level = -4.9dBuV (the worst case sensitivity)

9.2.1.3 VFO SCAN mode (410.000 - 469.995 MHz : Band A)

Injected Frequency [MHz]	Detected Frequency [MHz]	12dB SINAD Reading Injected Frequency [dBm]	12dB SINAD Reading Detected Frequency	Rejection Level [dB]	Margin [dB]
824.040	No Point Detected	See Note	See Note	-	-
836.505	No Point Detected	See Note	See Note	-	-
848.970	No Point Detected	See Note	See Note	-	-
869.040	No Point Detected	See Note	See Note	-	-
881.505	No Point Detected	See Note	See Note	-	-
893.970	No Point Detected	See Note	See Note	-	-

Note : There was no need to carry out the measurements because no point was detected.

SG Input Level = 66dBuV

SG Reference Level = -13.2dBuV (the worst case sensitivity)

9.2.1.4 VFO SCAN mode (0.100 - 523.995 MHz : Band B)

Injected Frequency [MHz]	Detected Frequency [MHz]	12dB SINAD Reading Injected Frequency [dBm]	12dB SINAD Reading Detected Frequency	Rejection Level [dB]	Margin [dB]
824.040	No Point Detected	See Note	See Note	-	-
836.505	No Point Detected	See Note	See Note	-	-
848.970	No Point Detected	See Note	See Note	-	-
869.040	No Point Detected	See Note	See Note	-	-
881.505	No Point Detected	See Note	See Note	-	-
893.970	No Point Detected	See Note	See Note	-	-

Note : There was no need to carry out the measurements because no point was detected.

SG Input Level = 66dBuV

SG Reference Level = 22.0dBuV (the worst case sensitivity)

SECTION 10. LIST OF MEASURING INSTRUMENTS

Test instruments are calibrated according to Quality Manual and Calibration Rules of Intertek Japan K.K.

Instrument	Model No.	Serial No.	Manufacturer	Cal. Interval	Effective period
Conducted disturbance at mains terminals					
LISN(EUT)	ESH2-Z5	882395/019	Rohde & Schwarz	1 Y	2024-07-23
LISN(Peripheral)	KNW-407	8-1395-3	Kyoritsu	1 Y	2024-06-26
10dB LISN Pad	CFA-01	E04AT10B	TAMAGAWA	1 Y	2024-07-23
10dB LISN Pad	6801.01.A	1000312160	HUBER+SUHNER	1 Y	2024-06-26
50Ω Termination	65BNC-50-0-2/133NE	E03TRM50C	SUHNER	1 Y	2024-06-26
Coaxial Cable (C1)	3D-2W(7.8m)	MTS02CSR-1	Intertek	1 Y	2024-01-08
Coaxial Cable (C2)	RG-5A/U(12.0m)	MTS02CSR-2	Intertek	1 Y	2024-01-08
Coaxial Cable (C3)	RG214HF(1.5m)	MTS02CSR-3	SUHNER	1 Y	2024-01-08
Coaxial Cable (C4)	RG214HF(1.5m)	MTS02CSR-4	SUHNER	1 Y	2024-01-08
Coaxial Cable (C5)	RG214HF(1.5m)	MTS02CSR-5	SUHNER	1 Y	2024-01-08
Radiated disturbance					
Broad Band Antenna	VULB9168	111	Schwarzbeck	1 Y	2024-02-16
Amplifier	8447D	2727A05809	Hewlett Packard	1 Y	2024-01-08
Step Attenuator	8494B	2805A14576	Hewlett Packard	1 Y	2024-01-08
6dB Attenuator	MP721B	M54588	ANRITSU	1 Y	2024-02-17
Coaxial Cable (R1)	RG214HF(8.0m)	MTS02R3-1	SUHNER	1 Y	2024-01-08
Coaxial Cable (R2)	12D-SFA(28.0m)	MTS02R3-2	Intertek	1 Y	2024-01-08
Coaxial Cable (R3)	RG214HF(2.0m)	MTS02R3-3	SUHNER	1 Y	2024-01-08
Coaxial Cable (R4)	RG214HF(0.4m)	MTS02R3-4	SUHNER	1 Y	2024-01-08
Coaxial Cable (R5)	RG214HF(0.4m)	MTS02R3-5	SUHNER	1 Y	2024-01-08
Coaxial Cable (R6)	RG214HF(1.5m)	MTS02R3-6	SUHNER	1 Y	2024-01-08
Coaxial Cable (R7)	RG214HF(1.5m)	MTS02R3-7	SUHNER	1 Y	2024-01-08
Coaxial Cable (R8)	RG214HF(1.5m)	MTS02R3-8	SUHNER	1 Y	2024-01-08
Coaxial Cable (R9)	5D-2W(8.0m)	MTS02R3-9	SUHNER	1 Y	2024-01-08
Site Attenuation	2site	-	-	1 Y	2024-05-07
Double Ridged Antenna	3115	2568	EMCO	1 Y	2024-04-16
Amplifier	TPA0118-30	950186	TOYO	1 Y	2024-04-06
6dB Attenuator	6806.17.B	EM0G003	HUBER+SUHNER	1 Y	2024-01-19
Coaxial Cable (R10)	SUCOFLEX 104	808144/4	HUBER+SUHNER	1 Y	2023-11-21
Coaxial Cable (R11)	S04272B/11N/11SMA	38242_1	HUBER+SUHNER	1 Y	2023-11-21
Horn Antenna	MLA-18265-J02	16248-01	TSJ	1 Y	2024-03-30
Coaxial Cable (R12)	MWX342	2305H016	Junkosha	1 Y	2024-06-19
SVSWR	1site			1 Y	2023-09-09

Common					
Test Receiver	ESS (Firmware Version 1.08)	844861/008	Rohde & Schwarz	1 Y	2023-11-14
Test Receiver	ESR26 (Firmware Ver. 3.46 SP1)	101629	Rohde & Schwarz	1 Y	2024-03-21
RF Switch(1)	MP59B	M7736	ANRITSU	1 Y	2024-01-08
RF Switch(2)	ACX-150-1	E02301501	Intertek	1 Y	2024-01-08
Testing Software	emiT (Version 3,0,0,0)			N/A	N/A
38dB Rejection test					
Signal Generator	SMB100A	180010	Rohde & Schwarz	1 Y	2024-04-03
Audio Analyzer	8903B	2948A07326	HP	1 Y	2023-10-03
Coaxial Cable (R13)	SCOFLEX 104	318400/4	HUBER+SUHNER	1 Y	2024-05-07

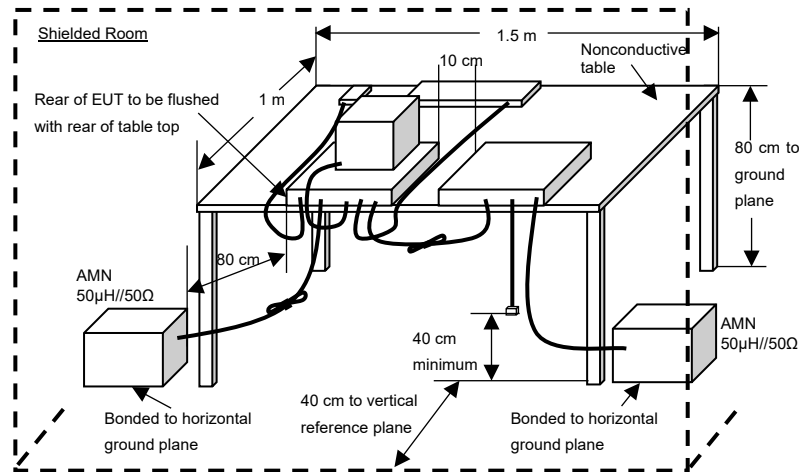
ANNEX

A. TEST PROCEDURE(S)

Test was carried out under the following conditions.

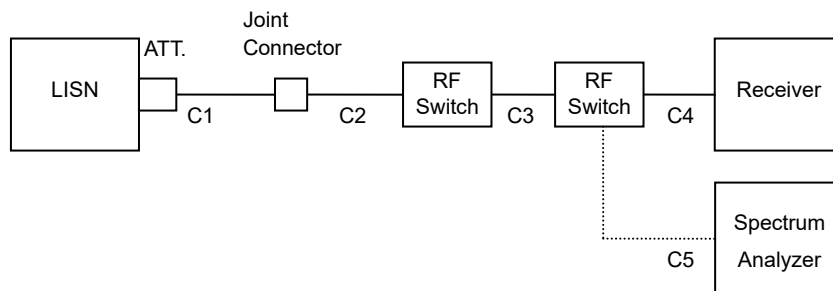
Conducted disturbance at mains terminals

Test setup as per standard



* Reference Ground plane : greater than 2 x 2m

Diagram of the measuring instruments



[Preliminary Measurement]

EUT is tested on all operating conditions.

The spectrum analyzer is controlled by the computer program to sweep the frequency range to be measured, then spectrum chart is plotted out to find the worst emission conditions in operating mode and/or configuration decision for the final test.

All leads other than safety ground are tested.

[Final Measurement]

The EUT is operated in the worst emission condition found by the preliminary test.

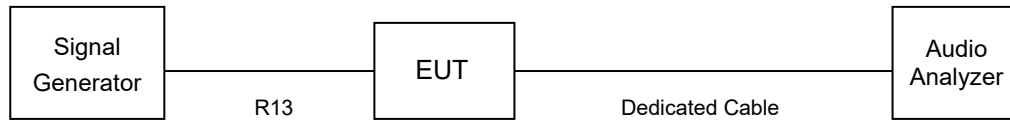
The equipment and cables are arranged or manipulated within the range of the test standard in the above condition.

At least six highest spectrum are measured in quasi-peak and average (if necessary) using the test receiver.

Test setup as per standard

38dB Rejection test

Schema for the 38dB rejection measurement



[Preliminary Measurement]

The Signal Genarator conditions :

Output level = 66 dBuV.

Modulation = Frequency modulated to 1 kHz tone at 3 kHz peak deviation.

Frequency Points = 824.040 MHz, 836.505 MHz, 848.970 MHz

869.040 MHz, 881.505 MHz, 893.970 MHz

(The Cellular Radiotelephone Service mobile and base frequency bands)

The EUT condition :

Scanning Frequency = 136.000 - 173.995 MHz :Band A (Minimum Scan Step).

Scanning Frequency = 216.000 - 259.995 MHz :Band A (Minimum Scan Step).

Scanning Frequency = 410.000 - 469.995 MHz :Band A (Minimum Scan Step).

Scanning Frequency = 0.100 - 523.995 MHz :Band B (Minimum Scan Step).

Scan stopped point, was the detected frequency.

[Final Measurement]

Injected 12dB SINAD Reading (SG RF Output)

The EUT condition :

Frequency = Scan stopped point

The Signal Genarator condition :

Frequency = Cellular point

Detected 12dB SINAD Reading (SG RF Output)

The EUT condition :

Frequency = Scan stopped point

The Signal Genarator condition :

Frequency = Scan stopped point

Under the requirements of Section15.121(b) of the Rule.

Injected 12dB SINAD Reading – Detected 12dB SINAD Reading = 38 dB or more.