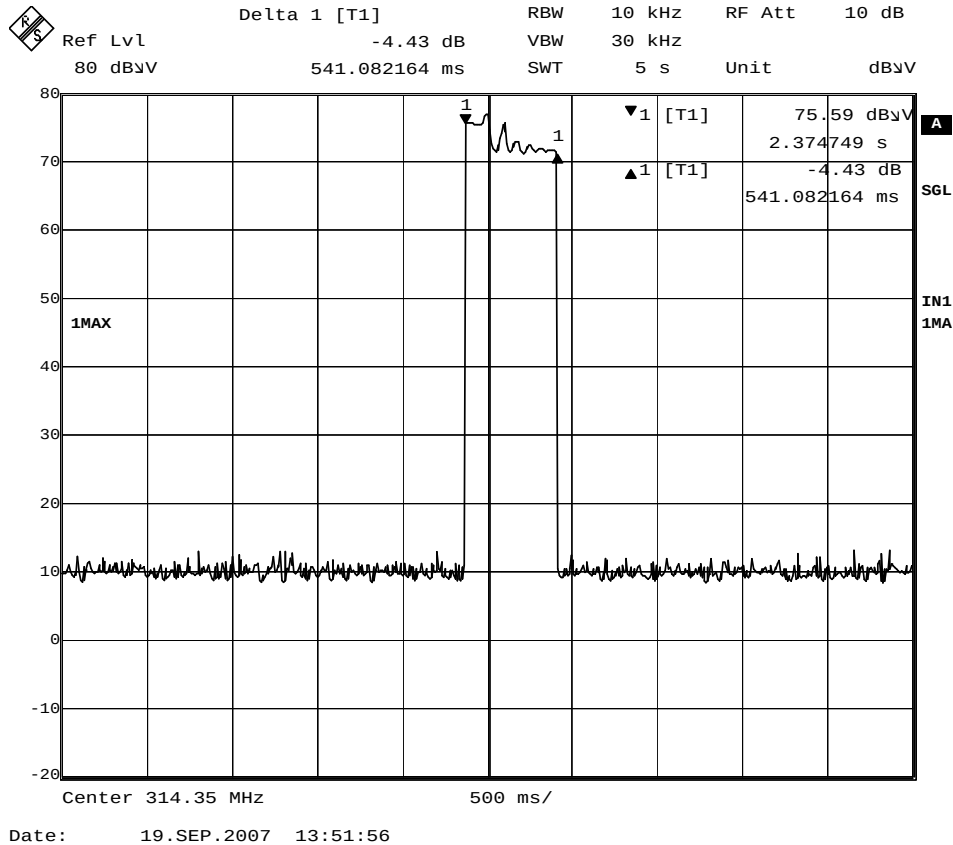


Automatically deactivate: FCC 15.231(a)(1)

COMPANY : DENSO CORPORATION
EQUIPMENT : Electronic Key
MODEL NUMBER: 14ACX
SERIAL NUMBER: No.2
FCC ID : HYQ14ACX
POWER : DC3V

UL Japan, Inc. Yamakita No.2 OPEN TEST SITE
REPORT NO : 28BE0070-HO-01-A
REGULATION : Fcc Part15SubpartC 231(a)(1)
DATE : 2007/09/19
TEMP./HUMI : 21°C/59%
TEST MODE : Transmitting
ENGINEER : Tatsuya Arai

Time of Transmitting	Limit
[sec]	[sec]
0.54	5.00



Electric Field Strength of Fundamental

Company : DENSO CORPORATION Equipment : Electronic Key Model : 14ACX Sample No. : No.2 Power : DC3V Mode : Transmitting FCC ID : HYQ14ACX Remark : -	UL Japan, Inc. YAMAKITA NO.2 OPEN TEST SITE Report No. : 28BE0070-HO-01-A Regulation : FCC Part15C Section 15.231(b) Test Distance : 3m Date : 2007/9/19 Temperature : 21deg.C Humidity : 59% ENGINEER : Tatsuya Arai
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Fundamental : PK DETECT(Test Receiver : IF BW 120kHz)

No.	FREQ [MHz]	READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		LIMIT [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
1	314.35	71.8	68.3	15.7	27.4	3.9	6.0	70.0	66.5	75.6	5.6	9.1

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + ATT

DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.2 OPEN TEST SITE

Report No. : 28BE0070-H0-01-A

Applicant : DENSO CORPORATION
Kind of Equipment : Electronic Key
Model No. : 14ACX
Serial No. : No. 2
Power : DC 3V
Mode : Transmitting 314.35MHz
Remarks : -
Date : 9/19/2007
Test Distance : 3 m
Temperature : 21 °C
Humidity : 59 %
Regulation : FCC Part15C § 15.209

Engineer : Tatsuya Arai

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	100.00	BB	22.6	23.9	10.2	27.9	2.1	6.1	13.1	14.4	43.5	30.4	29.1
2.	400.00	BB	20.5	21.0	18.0	28.3	4.4	6.0	20.6	21.1	46.0	25.4	24.9
3.	480.00	BB	21.0	20.8	18.7	28.7	4.8	6.0	21.8	21.6	46.0	24.2	24.4
4.	560.00	BB	20.6	20.5	19.4	28.8	5.3	6.0	22.5	22.4	46.0	23.5	23.6
5.	628.70	BB	32.6	31.0	20.2	28.9	5.6	6.0	35.5	33.9	46.0	10.5	12.1
6.	943.04	BB	26.6	25.1	23.2	28.6	7.1	6.0	34.3	32.8	46.0	11.7	13.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-04 (BBA9106) 30-299.99MHz/KLA-02 (USLP9143) 300-1000MHz

■ AMP: KAF-03 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ CABLE: KCC-20/21/22/23/29

DATA OF RADIATION TEST

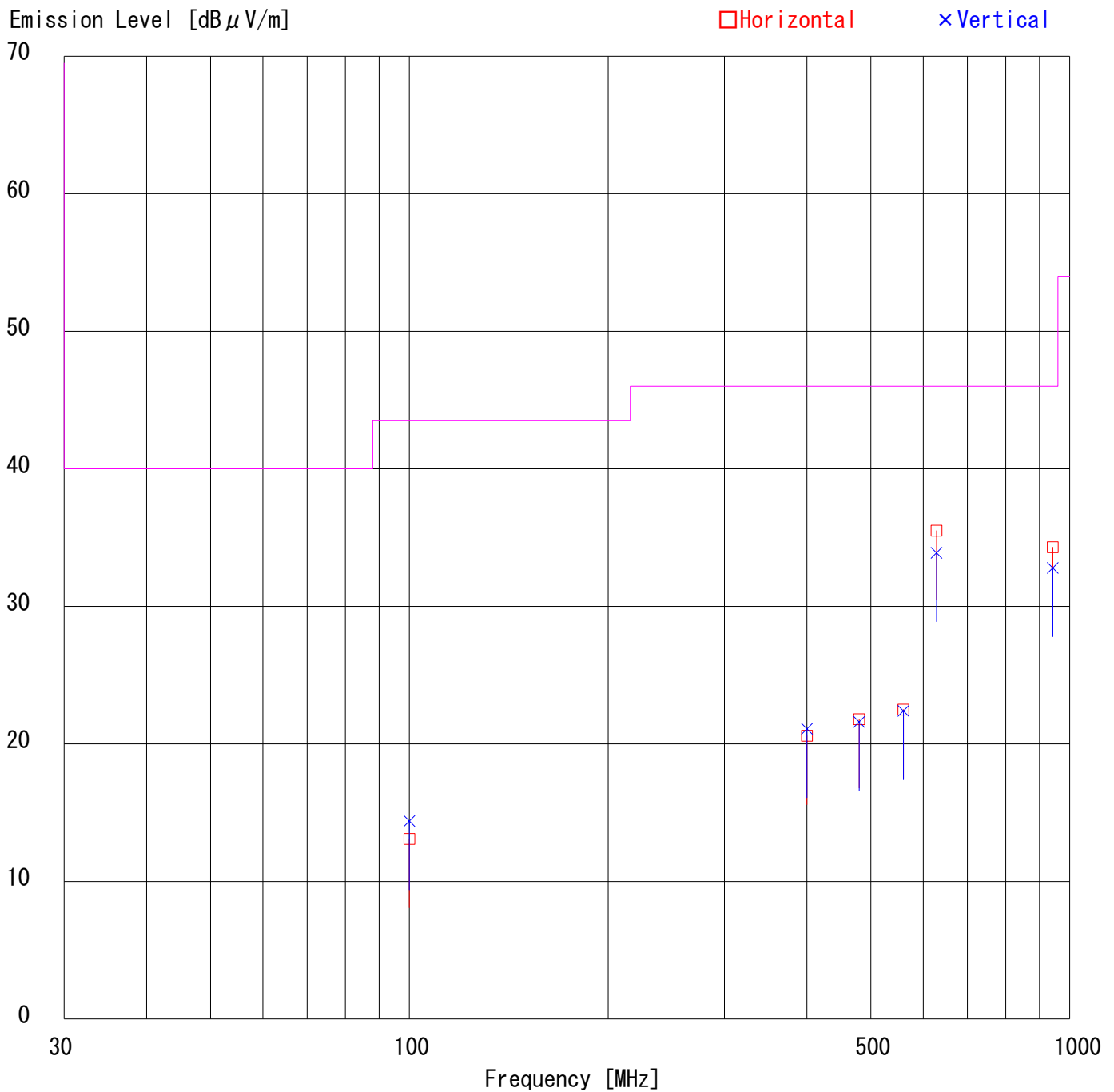
UL Japan, Inc.

YAMAKITA No.2 OPEN TEST SITE

Report No. : 28BE0070-H0-01-A

Applicant : DENSO CORPORATION
Kind of Equipment : Electronic Key
Model No. : 14ACX
Serial No. : No. 2
Power : DC 3V
Mode : Transmitting 314.35MHz
Remarks : -
Date : 9/19/2007
Test Distance : 3 m
Temperature : 21 °C
Humidity : 59 %
Regulation : FCC Part15C § 15.209

Engineer : Tatsuya Arai



DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.2 OPEN TEST SITE

Report No. : 28BE0070-H0-01-A

Applicant : DENSO CORPORATION
Kind of Equipment : Electroic Key
Model No. : 14ACX
Serial No. : No. 2
Power : DC 3V
Mode : Transmitting 314.35MHz
Remarks : PK (RBW: 1MHz, VBW: 1MHz)
Date : 9/19/2007
Test Distance : 3 m
Temperature : 21 °C Engineer : Tatsuya Arai
Humidity : 59 %
Regulation : FCC Part15C § 15.209(AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1257.40	BB	44.2	44.0	25.3	36.2	3.3	0.0	36.6	36.4	54.0	17.4	17.6
2.	1571.75	BB	44.0	43.5	25.9	35.7	3.7	0.0	37.9	37.4	54.0	16.1	16.6
3.	1886.10	BB	51.3	51.0	26.5	35.3	3.9	0.0	46.4	46.1	54.0	7.6	7.9
4.	2200.45	BB	44.2	42.8	27.0	35.4	4.4	0.0	40.2	38.8	54.0	13.8	15.2
5.	2514.80	BB	43.7	43.4	27.5	35.7	5.1	0.0	40.6	40.3	54.0	13.4	13.7
6.	2829.15	BB	43.7	44.1	28.0	36.1	5.3	0.0	40.9	41.3	54.0	13.1	12.7
7.	3143.50	BB	41.0	41.6	28.5	36.2	5.5	0.0	38.8	39.4	54.0	15.2	14.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-02 (1-18GHz)

■ AMP: KAF-04 (8449B) ■ SPECTRUM ANALYZER: KSA-02 ■ CABLE: KCC-D14/D15

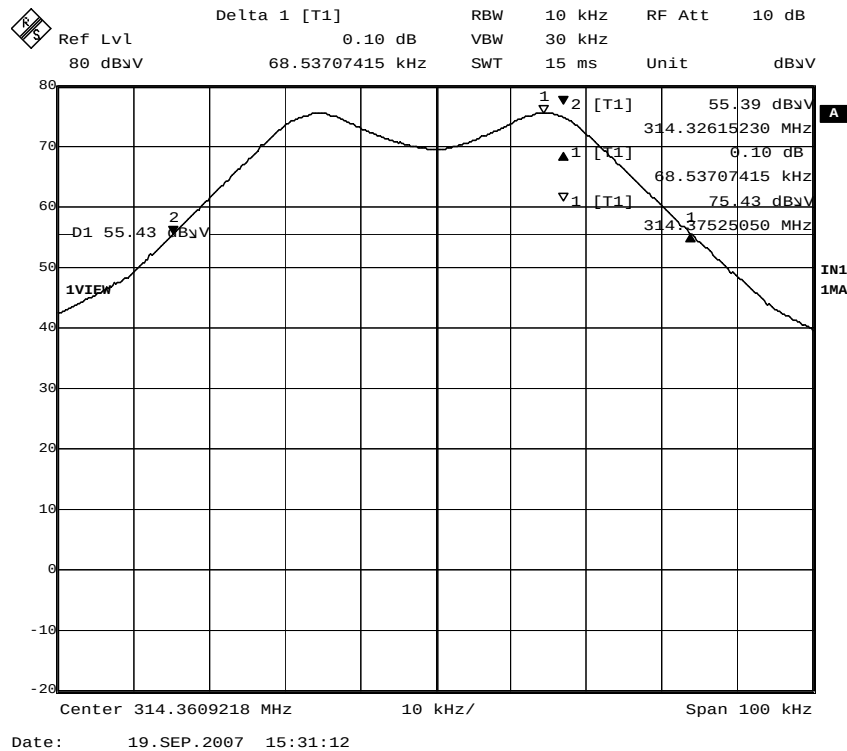
20dB Bandwidth: FCC 15.231(c)

COMPANY : DENSO CORPORATION
 EQUIPMENT : Electronic Key
 MODEL NUMBER: 14ACX
 SERIAL NUMBER: No.2
 FCC ID : HYQ14ACX
 POWER : DC3V
 Remarks :

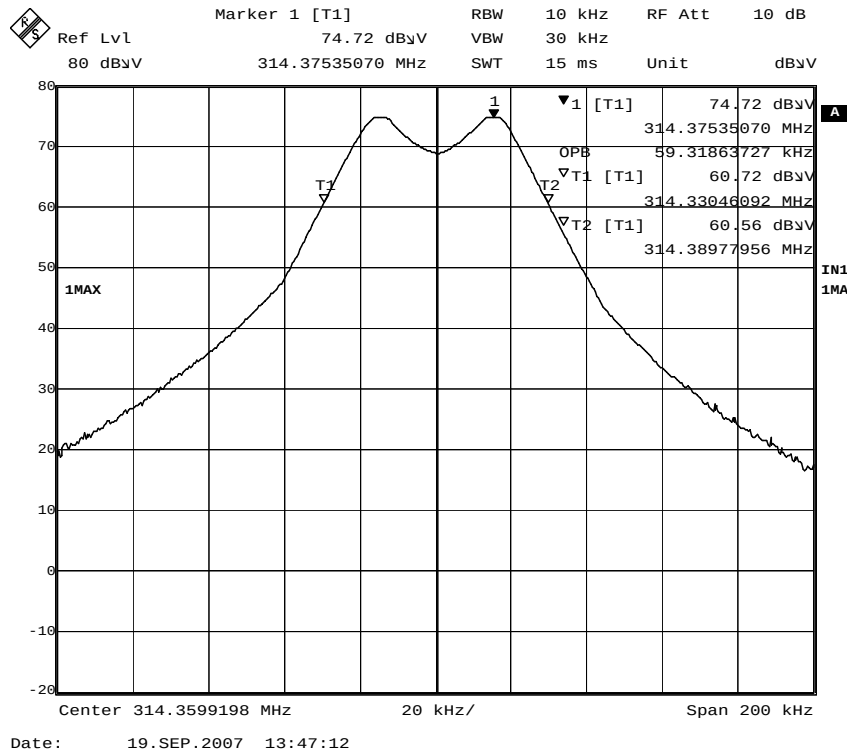
UL Japan, Inc. Yamakita NO.2 OPEN TEST SITE
 REPORT NO : 28BE0070-HO-01-A
 REGULATION : Fcc Part15SubpartC 215(c)
 DATE : 2007/09/19
 TEMP./HUMI : 21°C/59%
 TEST MODE : Transmitting
 ENGINEER : Tatsuya Arai

Bandwidth Limit: Fundamental Frequency 314.35MHz X 0.25% = 785.88kHz

20dB Bandwidth:68.54kHz



OBW(99%): 59.32kHz



APPENDIX 3 Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
YA-RE	Radiated emission(software)	UL Japan	RE(Ver.1.5)	RE	-
KAF-03	Pre Amplifier	Hewlett Packard	8447D	RE	2006/09/26 * 12
KAT6-04	Attenuator	INMET	18N-6dB	RE	2007/03/28 * 12
KBA-04	Biconical Antenna	Schwarzbeck	VHA9103/BBA9106	RE	2007/06/15 * 12
KCC-20/21/22 /23/29/KRM-0 2	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	8D-2W/12D-SFA/S042 72B/S04272B/RFM-E3 21	RE	2006/09/22 * 12
KLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/07/27 * 12
KOTS-02	Open Test Site	JSE	10m	RE	2007/08/05 * 12
KOS-06	Humidity Indicator	Custom	CTH-190	RE	2006/07/14 * 24
KSA-02	Spectrum Analyzer	Advantest	R3265A	RE	2006/12/02 * 12
KTR-04	Test Receiver	Rohde & Schwarz	ESVS10	RE	2006/10/26 * 12
KJM-04	Measure	TAJIMA	GL19-55	RE	-
KAF-04	Pre Amplifier	Agilent	8449B	RE	2007/04/24 * 12
KCC-D14/D15	Coaxial cable	Suhner	SUCOFLEX 104	RE	2006/12/13 * 12
KHA-02	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2007/04/14 * 12
KSCA-02	Search coil	TSJ	SC01	AD/BW	Pre Check
KCC-B2	Coaxial Cable/Pulse Limiter/RF Relay Matrix	Fujikura/Suhner/PMM/ TSJ	5D-2W/S04272B/5D-2 W/S04272B/PL01/RFM -E321	AD/BW	2006/09/22 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	AD/BW	2007/04/12 * 12

The expiration date of the calibration is the end of the expired month .

All equipment is calibrated with traceable calibrations . Each calibration is traceable to the national or international standards .

Test Item :

RE: Radiated Emission

AD: Automatically disactivate

BW: Bandwidth