

## DATA OF CARRIER FREQUENCY SEPARATION (CONDUCTED)

UL Apex Co., Ltd.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY : DENSO WAVE INCORPORATED	REPORT NO : 23IE0101-HO-1
EQUIPMENT : Bluetooth Board	REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
MODEL : DWBT001 (+ BHT-100BB)	TEST DISTANCE : -
S/N : 5496950048300053 (+ 5496310206300011)	DATE : 05/18/2003
FCC ID : PZWDWBT001	TEMPERATURE : 26°C
IC Number : 1551C-DWBT001	HUMIDITY : 52%
POWER : DC 3V	
MODE : Tx (Hopping on) / Inquiry	

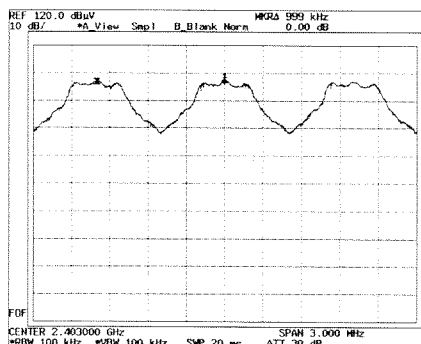
*Y. Iwasa*

Engineer : Yoshiaki Iwasa

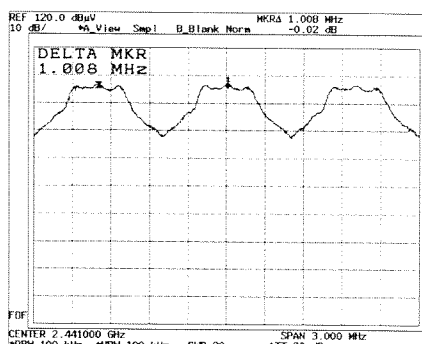
**PK DETECT (S/A :span 3MHz, RBW 100kHz,VBW 100kHz, sweep time AUTO )**

CH	FREQ [MHz]	Channel separation [kHz]	Limit
Low	2402.0	999.0	>20dB Bandwidth and 25[kHz]
Mid	2441.0	1008.0	>20dB Bandwidth and 25[kHz]
High	2480.0	1005.0	>20dB Bandwidth and 25[kHz]
Inquiry	2441.0	2004.0	>20dB Bandwidth and 25[kHz]

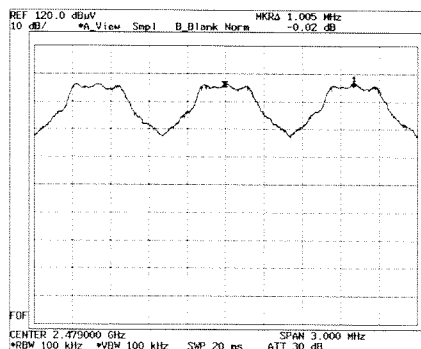
2402MHz



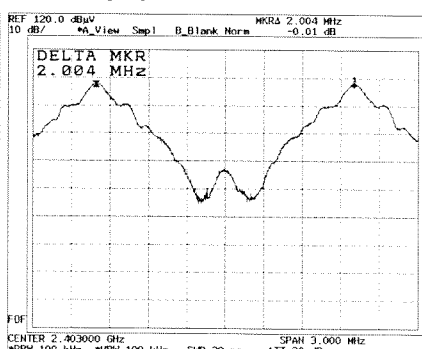
2441MHz



2480MHz



Inquiry



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**Head Office EMC Lab.**  
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN  
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## DATA OF -20dB BANDWIDTH (CONDUCTED)

UL Apex Co., Ltd.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY : DENSO WAVE INCORPORATED	REPORT NO. : 23IE0101-HO-1
EQUIPMENT : Bluetooth Board	REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
MODEL : DWBT001 (+ BHT-100BB)	TEST DISTANCE : -
S/N : 5496950048300053 (+ 5496310206300011)	DATE : 05/18/2003
FCC ID : PZWDWBT001	TEMPERATURE : 26°C
IC Number : 1551C-DWBT001	HUMIDITY : 52%
POWER : DC 3V	
MODE : Tx (Hopping off) /Inquiry	

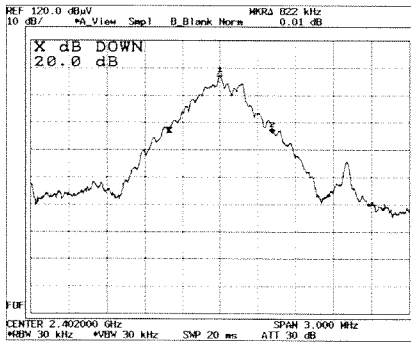
*Y. Iwasa*

Engineer : Yoshiaki Iwasa

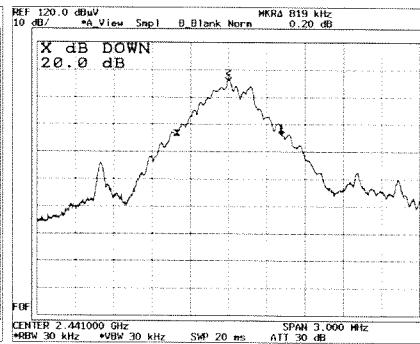
**PK DETECT(S/A: span 3MHz, RBW 30kHz, VBW 30kHz, sweep time AUTO)**

CH	FREQ	-20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.822	1.0
Mid	2441.0	0.819	1.0
High	2480.0	0.819	1.0
Inquiry	2441.0	0.672	1.0

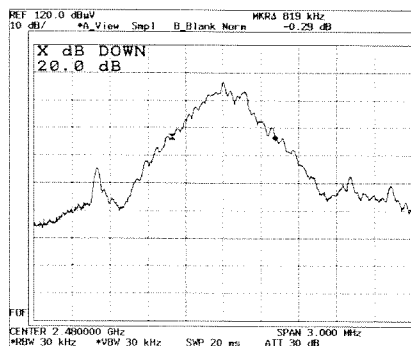
2402MHz



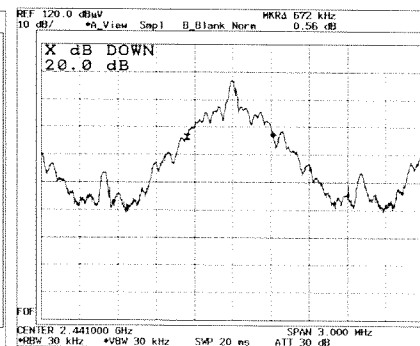
2441MHz



2480MHz



Inquiry



## DATA OF NUMBER OF HOPPING FREQUENCY (CONDUCTED)

UL Apex Co., Ltd.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY : DENSO WAVE INCORPORATED	REPORT NO : 23IE0101-HO-1
EQUIPMENT : Bluetooth Board	REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
MODEL : DWBT001 (+ BHT-100BB)	TEST DISTANCE : -
S/N : 5496950048300053 (+ 5496310206300011)	DATE : 05/18/2003
FCC ID : PZWDWBT001	TEMPERATURE : 26°C
IC Number : 1551C-DWBT001	HUMIDITY : 52%
POWER : DC 3V	
MODE : Tx (Hopping on) / Inquiry	

*Y. Iwasa*

Engineer : Yoshiaki Iwasa

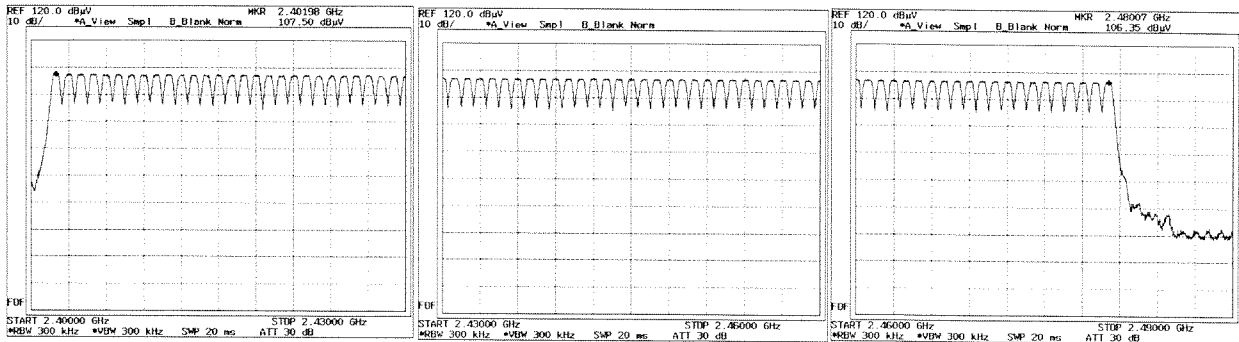
**PK DETECT(S/A : RBW 300kHz, VBW 300kHz, sweep time AUTO )**

Mode	Number of channel [time]	Limit [time]
Tx(Hoppng on)	79	≥ 15

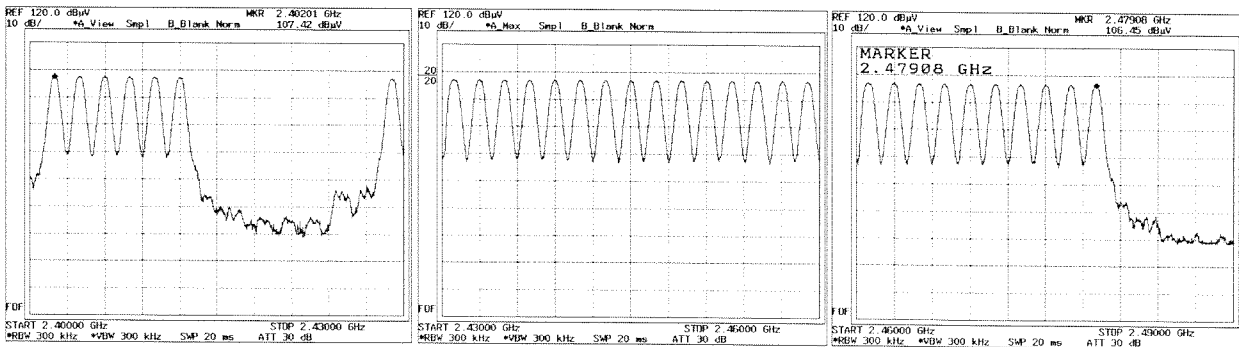
**PK DETECT(S/A : RBW 300kHz, VBW 300kHz, sweep time AUTO )**

Mode	Number of channel [time]	Limit [time]
Inquiry	32	≥ 15

**Hopping on**



**Inquiry**



## DATA OF DWELL TIME (CONDUCTED)

UL Apex Co., Ltd.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY : DENSO WAVE INCORPORATED	REPORT NO : 23IE0101-HO-1
EQUIPMENT : Bluetooth Board	REGULATION : Fcc Part15 Subpart C 15.247(a)(1)(iii)
MODEL : DWBT001	TEST DISTANCE : -
S/N : 5496950048300053 (+BHT-100BB)	DATE : 05/18/2003
FCC ID : PZWDWBT001 (+5496310206300011)	TEMPERATURE : 26°C
IC Number : 1551C-DWBT001	HUMIDITY : 52%
POWER : DC 3V	
MODE : Tx (Hopping on) / Inquiry	

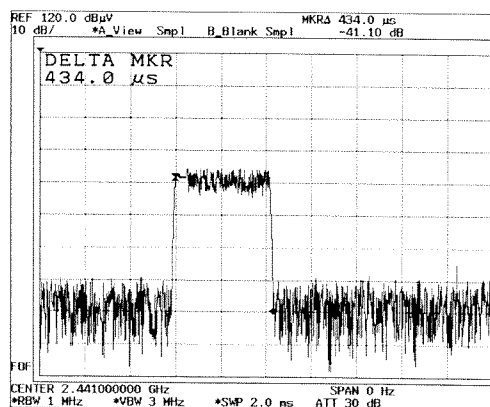
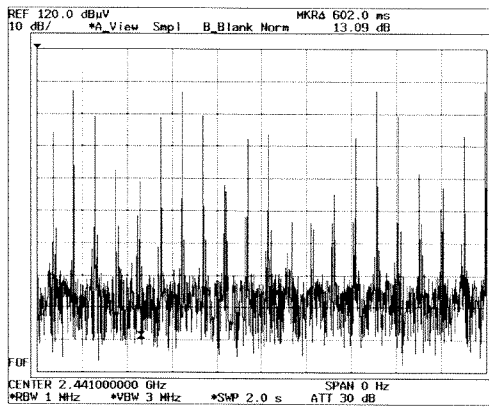
*Y. Iwasa*

Engineer : Yoshiaki Iwasa

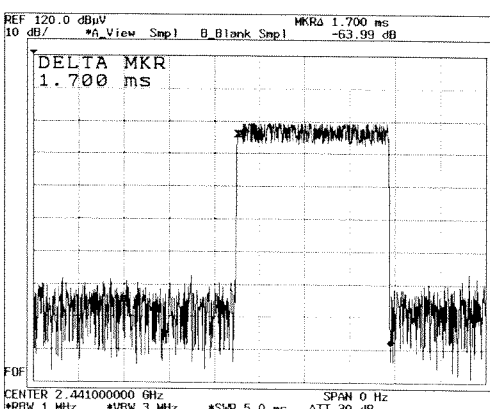
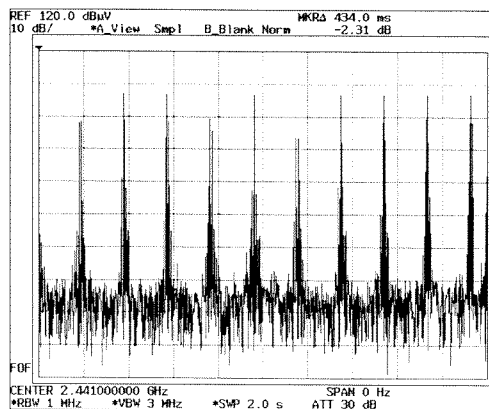
**PK DETECT (S/A :span ZERO, RBW 1MHz ,VBW 3MHz, sweep time 0.5ms-100ms )**

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	21 times / 2 sec. x 31.6 = 332 times	0.434	144.00	400
DH3	10 times / 2 sec. x 31.6 = 158 times	1.700	268.60	400
DH5	7 times / 2 sec. x 31.6 = 111 times	2.940	325.16	400
Inquiry	62 times / 2 sec. x 12.8 = 397 times	0.136	53.77	400

**DH1**

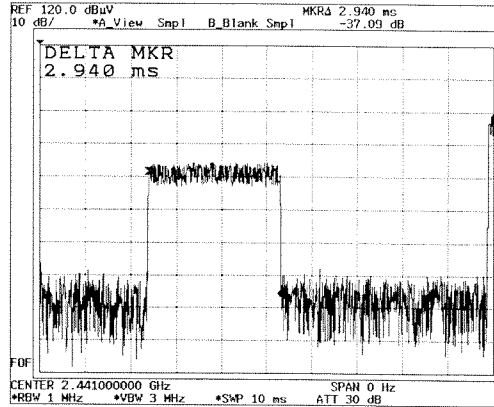
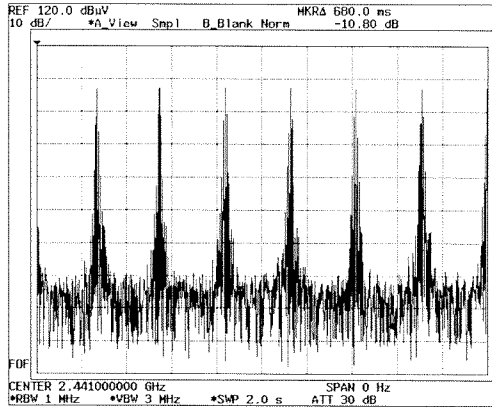


**DH3**

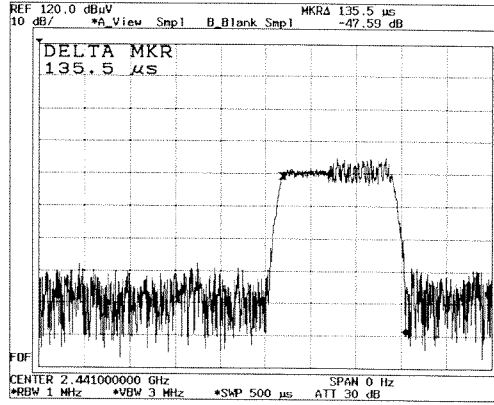
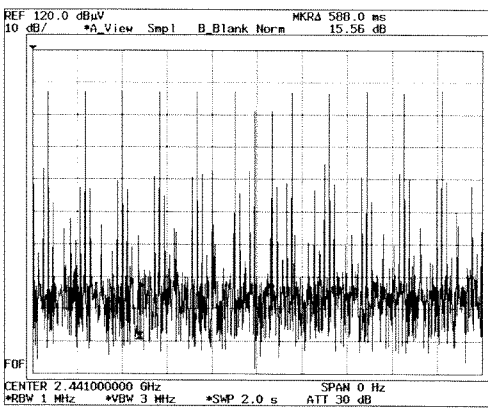


DATA OF DWELL TIME (Conducted)

DH5



Inquiry



## DATA OF PEAK OUTPUT POWER(CONDUCTED)

UL Apex Co., Ltd.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY : DENSO WAVE INCORPORATED	REPORT NO : 23IE0101-HO-1
EQUIPMENT : Bluetooth Board	REGULATION : Fcc Part15 Subpart C 15.247(b)(1)
MODEL : DWBT001 (+BHT-100BB)	TEST DISTANCE : -
S/N : 5496950048300053 (+5496310206300011)	DATE : 05/18/2003
FCC ID : PZWDWBT001	TEMPERATURE : 26°C
IC Number : 1551C-DWBT001	HUMIDITY : 52%
POWER : DC 3V	
MODE : Tx (Hopping off) / Inquiry	

*Y. Iwasa*

Engineer : Yoshiaki Iwasa

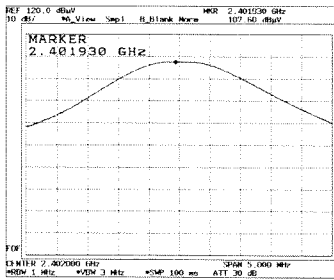
(SPAN: 5MHz/3MHz/2MHz , RBW: 1MHz , VBW: 3MHz , Sweep: AUTO)

CH	FREQ [MHz]	S/A Reading [dBuV]	Cable loss [dB]	Result [dBm]	Limit (1W) [dBuV]	Margin [dBm]
Low	2402.0	107.6	0.5	1.1	30.0	29.0
Mid	2441.0	107.1	0.5	0.5	30.0	29.5
High	2480.0	106.6	0.5	0.0	30.0	30.0
Inquiry	2441.0	107.0	0.5	0.4	21.0	20.6

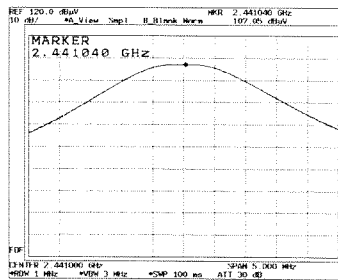
Sample Calculation:

Result=S/A Reading + Cable Loss

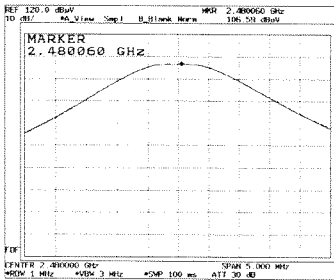
Tx: 2402MHz



Tx: 2441MHz



Tx: 2480MHz



Inquiry

