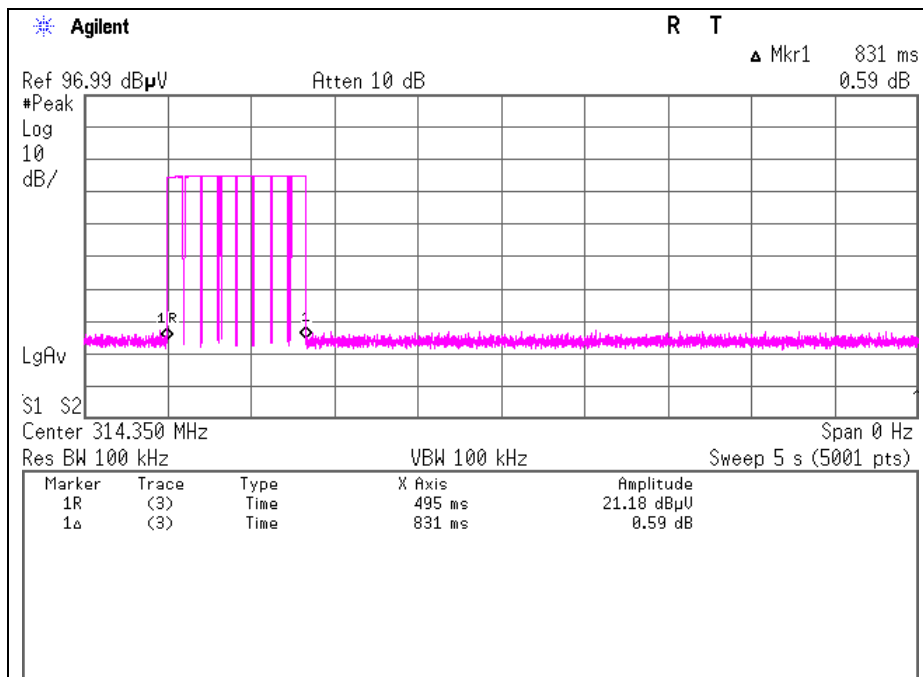


APPENDIX 2: Data of EMI test

Automatically deactivate

Test place Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Report No. 32FE0237-HO-01
 Date 05/13/2010
 Temperature/ Humidity 22 deg.C/ 35% RH
 Engineer Satofumi Matsuyama
 Mode Normal use mode

Time of Transmitting [sec]	Limit [sec]	Result
0.831	5.00	Pass



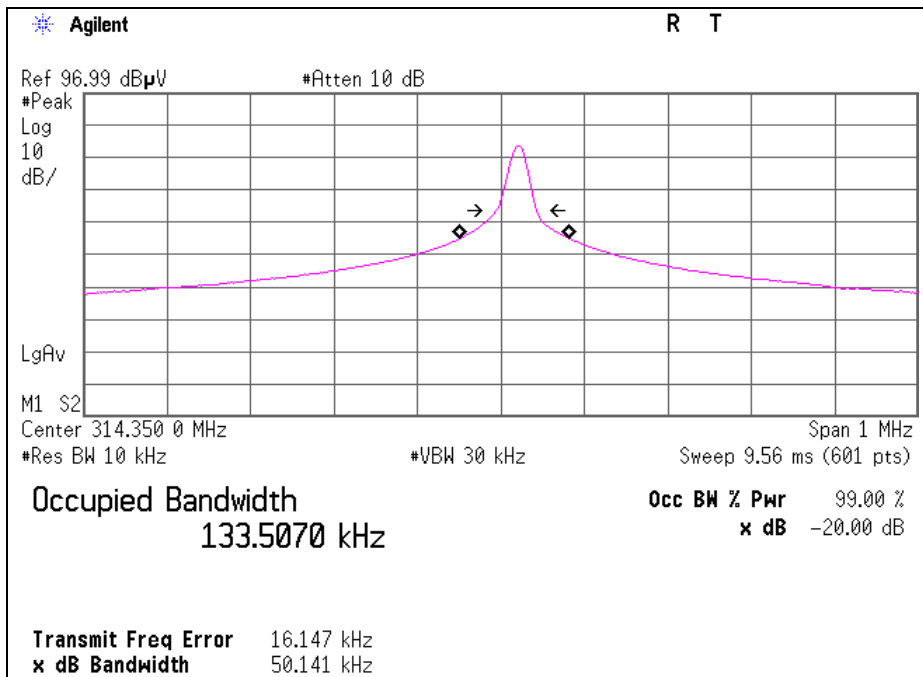
-20dB and 99% Occupied Bandwidth

Test place	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Report No.	32FE0237-HO-01
Date	05/13/2010
Temperature/ Humidity	22 deg.C/ 35% RH
Engineer	Satofumi Matsuyama
Mode	Transmitting mode

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

-20dB Bandwidth [kHz]	Bandwidth Limit [kHz]	Result
50.14	785.88	Pass

99% Occupied Bandwidth [kHz]	Bandwidth Limit [kHz]	Result
133.51	785.88	Pass



Duty Cycle

Test place Head Office EMC Lab. No.3 Semi Anechoic Chamber
Report No. 32FE0237-HO-01
Date 05/13/2010
Temperature/ Humidity 22 deg.C/ 35% RH
Engineer Satofumi Matsuyama
Mode Normal use mode

Type	Times	ON time(One pulse) [ms]	ON time(in 100ms) [ms]
A	42	0.440	18.48
B	37	0.835	30.895
C	1	1.240	1.24

*1)ON time(in 100ms) = Times * ON time(One pulse)

*2)The train of pulses was exceeding 100msec, and that sampled 100msec was the worst case against the pulse train.
Blank(a) is intentional OFF time.

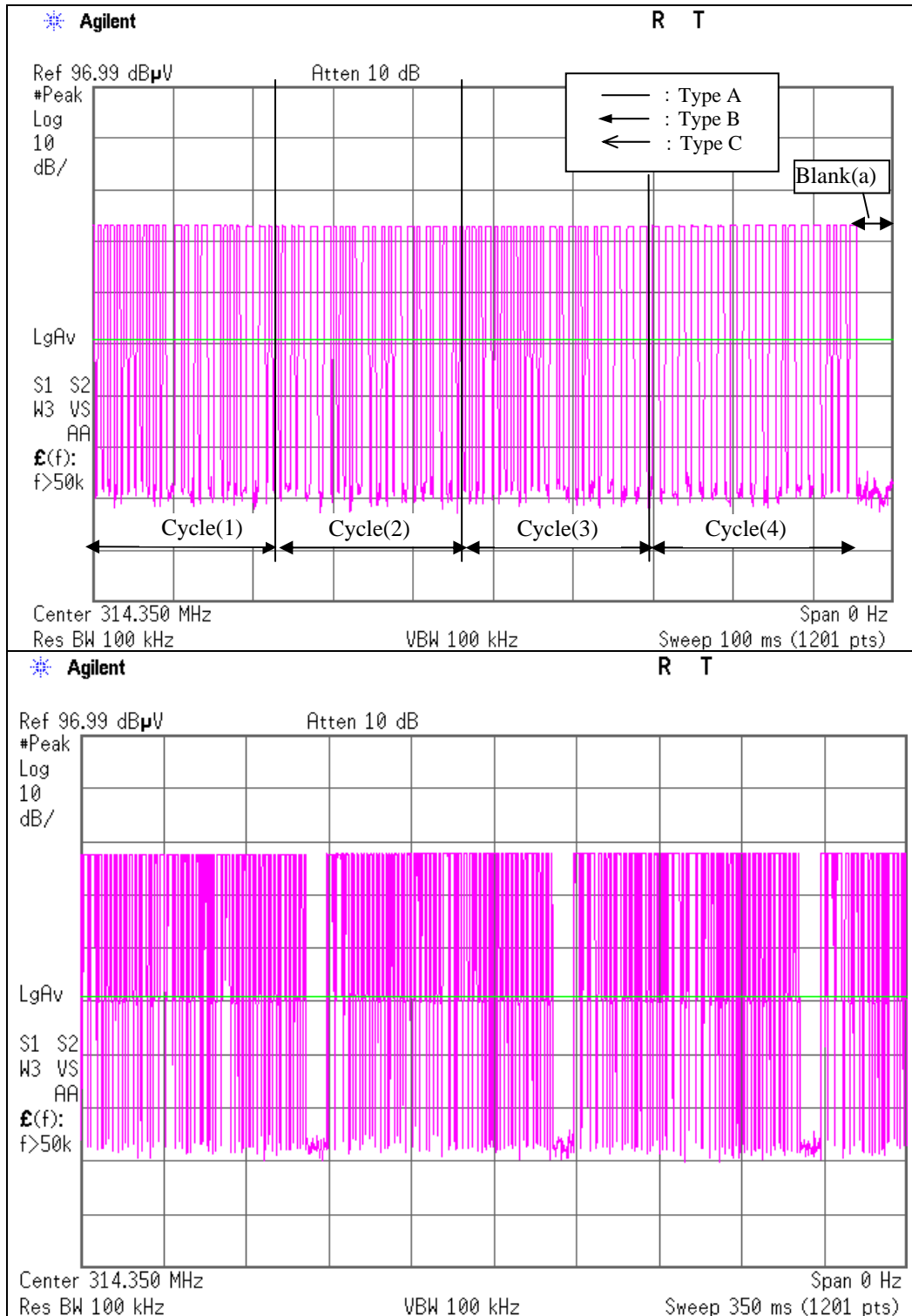
(Total)

ON time [ms]	Cycle [ms]	Duty (On time/Cycle)	Duty [dB]
50.62	100.00	0.51	-5.9

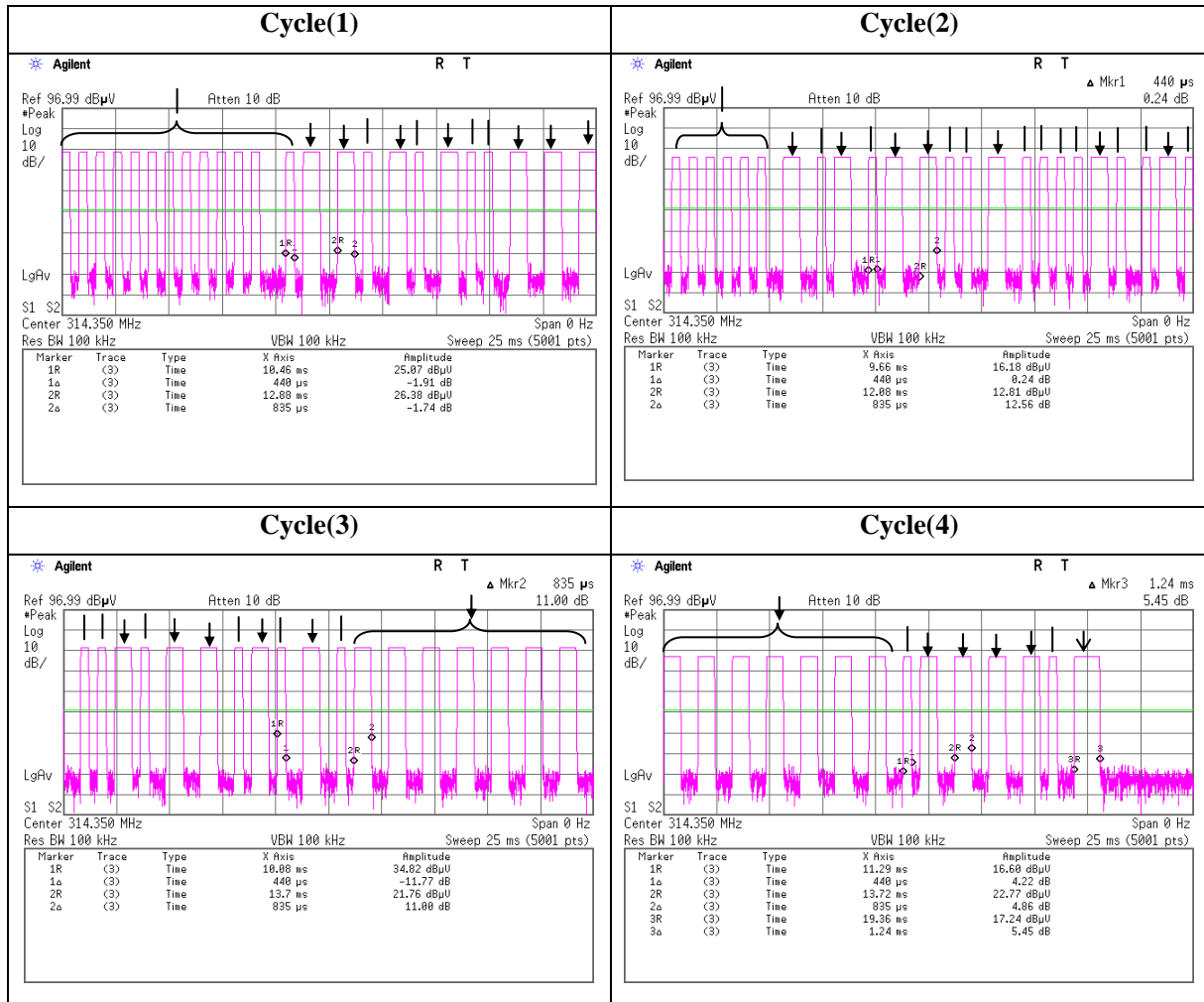
*3)ON time = Type A's ON time (in 100ms) + Type B's ON time (in 100ms)

*4)Duty = $20\log_{10}(\text{ON time/Cycle})$

Duty Cycle



Duty Cycle



APPENDIX 3:Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-03	Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE	2010/02/01 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE	2010/02/09 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE	-
COTS-MEMI	EMI measurement program	TSJ	TEPTO-DV	-	RE	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	RE	2010/02/03 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE	2009/06/30 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1915	RE	2010/01/23 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	174	RE	2010/01/23 * 12
MCC-51	Coaxial cable	UL Japan	-	-	RE	2009/07/02 * 12
MAT-09	Attenuator(6dB)	Weinschel Corp	2	BK7973	RE	2009/11/12 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	260834	RE	2010/03/23 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	258	RE	2010/05/07 * 12
MCC-56	Microwave Cable	Suhner	SUCOFLEX104	174410(1m) / 284655(5m)	RE	2010/01/25 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	MY39500779	RE	2010/03/03 * 12

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

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

Test Item:

RE: Radiated emission, 99% Occupied Bandwidth, -20dB bandwidth, Automatically deactivate and Duty cycle tests

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