

APPENDIX 2: Data of EMI test

Conducted Emission
Tx, Ch: High

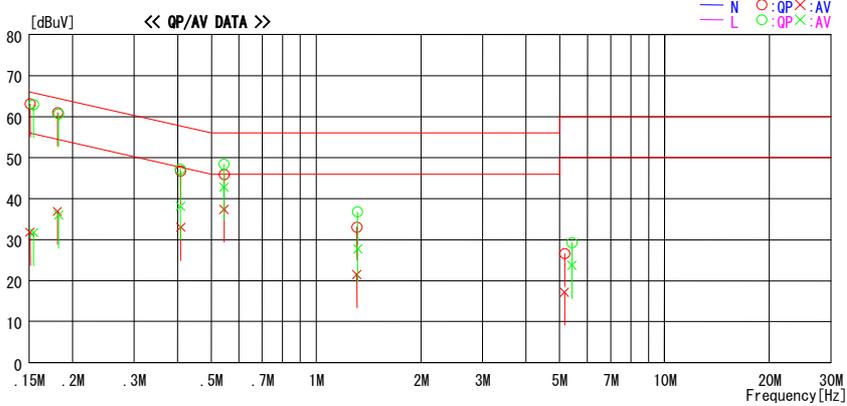
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/07/01

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC120V / 60Hz
Temp./Humi. : 24deg. C / 66%
Engineer : Shinya Watanabe

Mode / Remarks : WHDI Tx 5240MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15090	62.9	31.6	0.2	63.1	31.8	66.0	56.0	2.9	24.2	N	
0.18070	60.7	36.7	0.2	60.9	36.9	64.5	54.5	3.6	17.6	N	
0.40840	46.4	32.7	0.3	46.7	33.0	57.7	47.7	11.0	14.7	N	
0.54362	45.6	37.1	0.3	45.9	37.4	56.0	46.0	10.1	8.6	N	
1.30920	32.7	21.1	0.4	33.1	21.5	56.0	46.0	22.9	24.5	N	
5.16120	25.8	16.4	0.8	26.6	17.2	60.0	50.0	33.4	32.8	N	
0.15440	62.8	31.5	0.2	63.0	31.7	65.8	55.8	2.8	24.1	L	
0.18220	60.5	35.8	0.2	60.7	36.0	64.4	54.4	3.7	18.4	L	
0.40760	46.9	37.8	0.3	47.2	38.1	57.7	47.7	10.5	9.6	L	
0.54332	48.1	42.5	0.3	48.4	42.8	56.0	46.0	7.6	3.2	L	
1.31540	36.4	27.4	0.4	36.8	27.8	56.0	46.0	19.2	18.2	L	
5.41810	28.5	22.9	0.8	29.3	23.7	60.0	50.0	30.7	26.3	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN + CABLE LOSS)
Except for the above table: adequate margin data below the limits.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

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Head Office EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
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Facsimile : +81 596 24 8124

Conducted Emission
Tx, Ch: Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/07/01

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64

Report No. : 28KE0141-HO
Power : AC120V / 60Hz
Temp./Humi. : 24deg. C / 66%
Engineer : Shinya Watanabe

Mode / Remarks : WHDI Tx 5180MHz

LIMIT : FCC15.207 OP
FCC15.207 AV

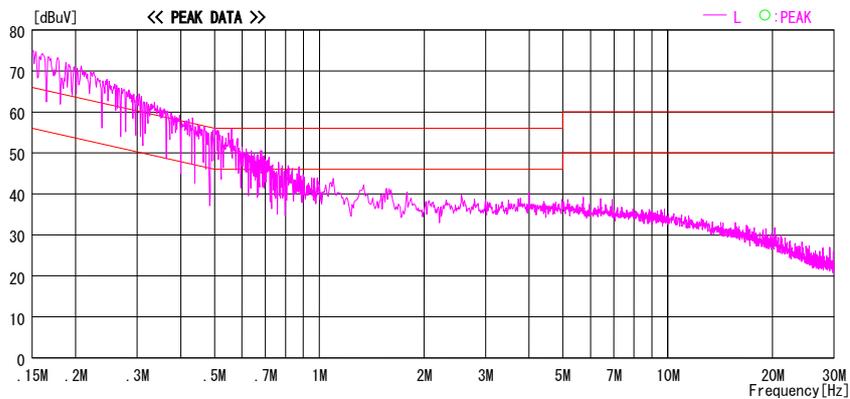
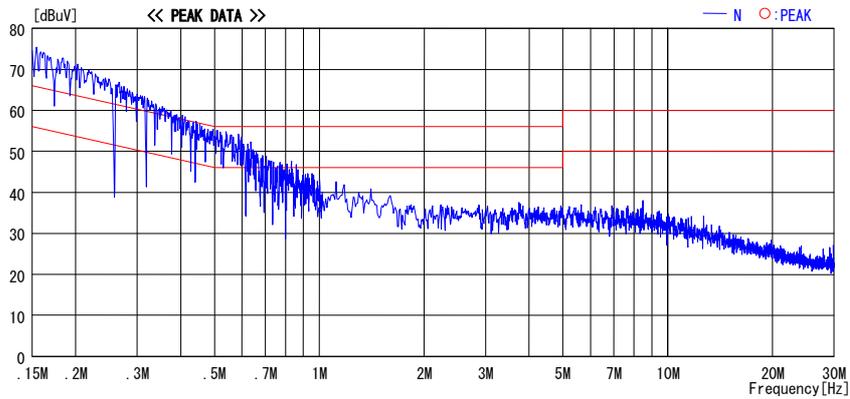


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN + CABLE LOSS)
Except for the above table: adequate margin data below the limits.

Conducted Emission
Tx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Date : 2008/07/01

Company : Sony Corporation
 Kind of EUT : Wireless Link
 Model No. : DMX-WLIT (Transmitter Unit)
 Serial No. : 64

Report No. : 28KE0141-HO
 Power : AC120V / 60Hz
 Temp./Humi. : 24deg. C / 66%
 Engineer : Shinya Watanabe

Mode / Remarks : WHDI Tx 5200MHz

LIMIT : FCC15.207 OP
 FCC15.207 AV

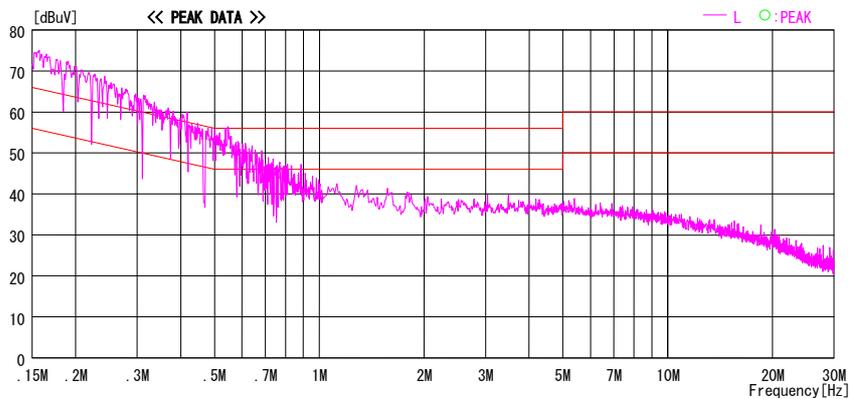
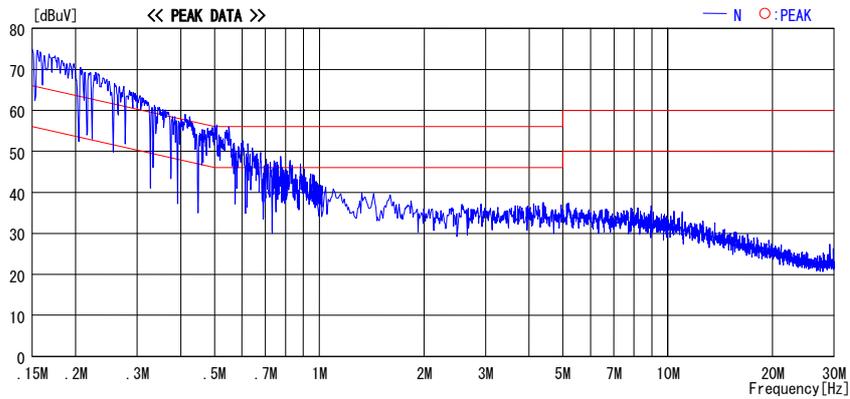


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN + CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission
Tx, Ch: High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Date : 2008/07/01

Company : Sony Corporation
 Kind of EUT : Wireless Link
 Model No. : DMX-WLIT (Transmitter Unit)
 Serial No. : 64

Report No. : 28KE0141-HO
 Power : AC120V / 60Hz
 Temp./Humi. : 24deg. C / 66%
 Engineer : Shinya Watanabe

Mode / Remarks : WHDI Tx 5240MHz

LIMIT : FCC15.207 OP
 FCC15.207 AV

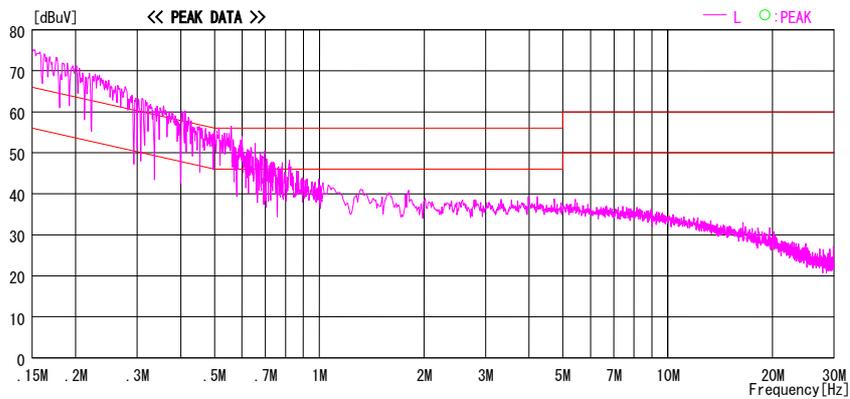
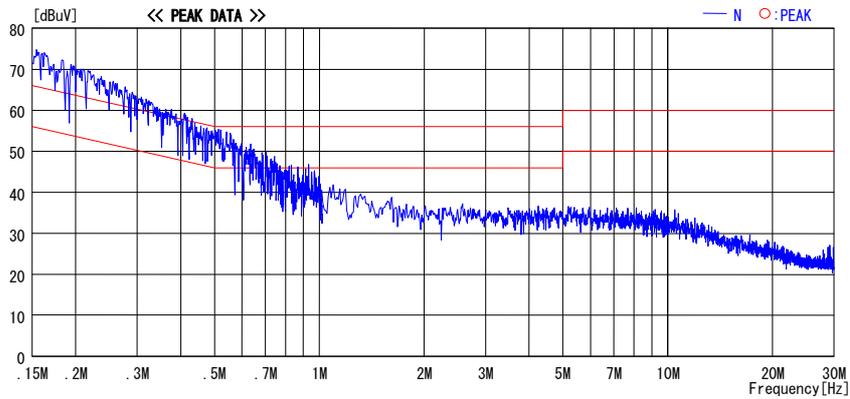


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (L ISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission

Rx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/07/01

Company : Sony Corporation
 Kind of EUT : Wireless Link
 Model No. : DMX-WLIT (Transmitter Unit)
 Serial No. : 64

Report No. : 28KE0141-HO
 Power : AC120V / 60Hz
 Temp./Humi. : 24deg. C / 66%
 Engineer : Shinya Watanabe

Mode / Remarks : WHDI Rx 5200MHz

LIMIT : FCC15.207 OP
 FCC15.207 AV

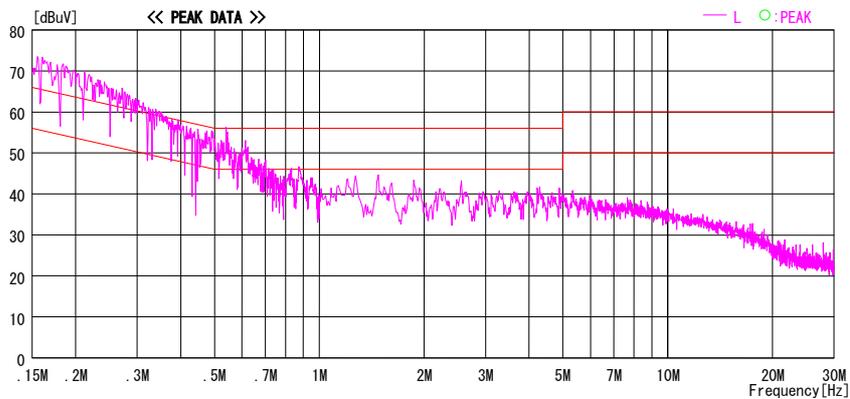
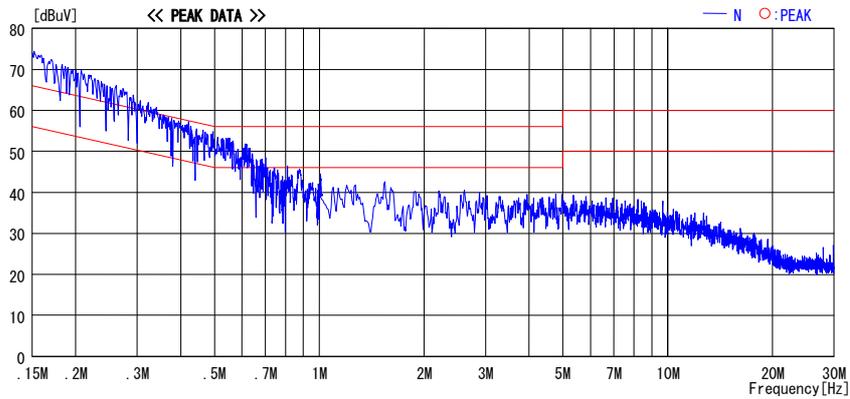


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F [dB] (L ISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

Conducted Emission
Zigbee, Tx, Ch: Low/ WHDI, Tx, Ch: High

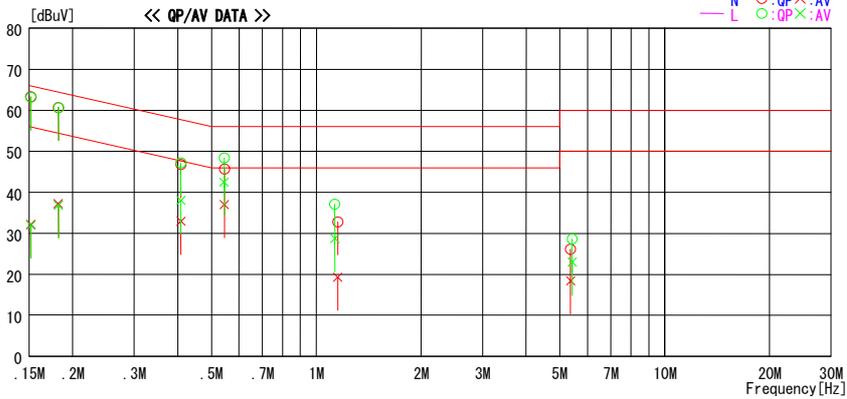
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/07/01

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT(Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC120V / 60Hz
Temp./Humi. : 24deg. C / 66%
Engineer : Shinya Watanabe

Mode / Remarks : Zigbee Tx 2405MHz and Tx 5240MHz (WHD1 Wireless Module)

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15130	63.1	31.9	0.2	63.3	32.1	65.9	55.9	2.6	23.8	N	
0.18160	60.5	37.0	0.2	60.7	37.2	64.4	54.4	3.7	17.2	N	
0.40860	46.5	32.6	0.3	46.8	32.9	57.7	47.7	10.9	14.8	N	
0.54520	45.4	36.7	0.3	45.7	37.0	56.0	46.0	10.3	9.0	N	
1.15200	32.4	18.9	0.4	32.8	19.3	56.0	46.0	23.2	26.7	N	
5.36760	25.3	17.6	0.8	26.1	18.4	60.0	50.0	33.9	31.6	N	
0.15160	63.0	31.8	0.2	63.2	32.0	65.9	55.9	2.7	23.9	L	
0.18190	60.5	36.6	0.2	60.7	36.8	64.4	54.4	3.7	17.6	L	
0.40850	46.9	37.7	0.3	47.2	38.0	57.7	47.7	10.5	9.7	L	
0.54350	48.1	42.2	0.3	48.4	42.5	56.0	46.0	7.6	3.5	L	
1.12960	36.7	28.3	0.4	37.1	28.7	56.0	46.0	18.9	17.3	L	
5.42380	27.8	22.2	0.8	28.6	23.0	60.0	50.0	31.4	27.0	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN + CABLE LOSS)
Except for the above table: adequate margin data below the limits.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Conducted Emission
Zigbee, Tx, Ch: Low, WHDI, Tx, Ch: High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Date : 2008/07/01

Company	: Sony Corporation	Report No.	: 28KE0141-HO
Kind of EUT	: Wireless Link	Power	: AC120V / 60Hz
Model No.	: DMX-WL1T(Transmitter Unit)	Temp./Humi.	: 24deg. C / 66%
Serial No.	: 64	Engineer	: Shinya Watanabe

Mode / Remarks : Zigbee Tx 2405MHz and Tx 5240MHz (WHD1 Wireless Module)

LIMIT : FCC15.207 QP
FCC15.207 AV

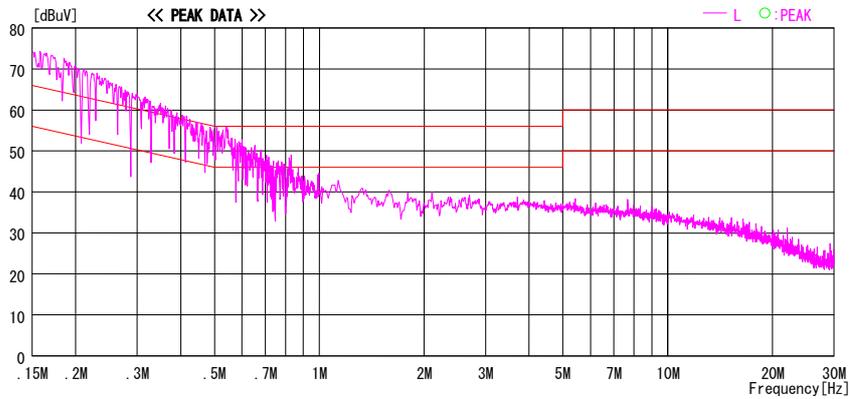
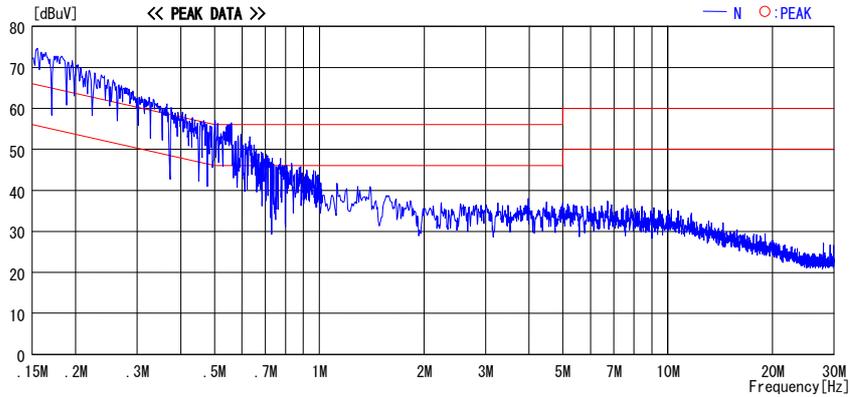


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C. F [dB] (L ISN+CABLE LOSS)
 Except for the above table: adequate margin data below the limits.

26dB Emission Bandwidth and 99% Occupied Bandwidth

Company Sony Corporation
Equipment Wireless Link
Model DMX-WL1T (Transmitter Unit)
S/N 11
Power AC 120V / 60Hz
Mode WHDI Tx

UL Japan, Inc
Head Office EMC Lab. No.5 measurement room
Regulation FCC Part15 Subpart E 15.407(a)(1) / RSS-210 A9.2(1)
Test Distance -
Date 07/01/2008
Temperature 24deg.C.
Humidity 64%
Engineer Akio Hayashi

Ant1

Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]	Limit [MHz]
5180.0	19.512	18.425	-
5200.0	19.528	18.302	-
5240.0	18.571	18.364	-

Ant2

Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]	Limit [MHz]
5180.0	19.026	18.473	-
5200.0	19.847	18.327	-
5240.0	19.115	18.445	-

Ant3

Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]	Limit [MHz]
5180.0	20.525	18.369	-
5200.0	19.858	18.235	-
5240.0	19.217	18.231	-

Ant4

Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]	Limit [MHz]
5180.0	19.209	18.363	-
5200.0	19.198	18.365	-
5240.0	18.915	18.331	-

Ant1 + Ant2 + Ant3 + Ant4

Freq. [MHz]	26dB Emission Bandwidth [MHz]	99% Occupied Bandwidth [MHz]	Limit [MHz]
5180.0	19.778	18.417	-
5200.0	19.482	18.294	-
5240.0	18.861	18.288	-

UL Japan, Inc.

Head Office EMC Lab.

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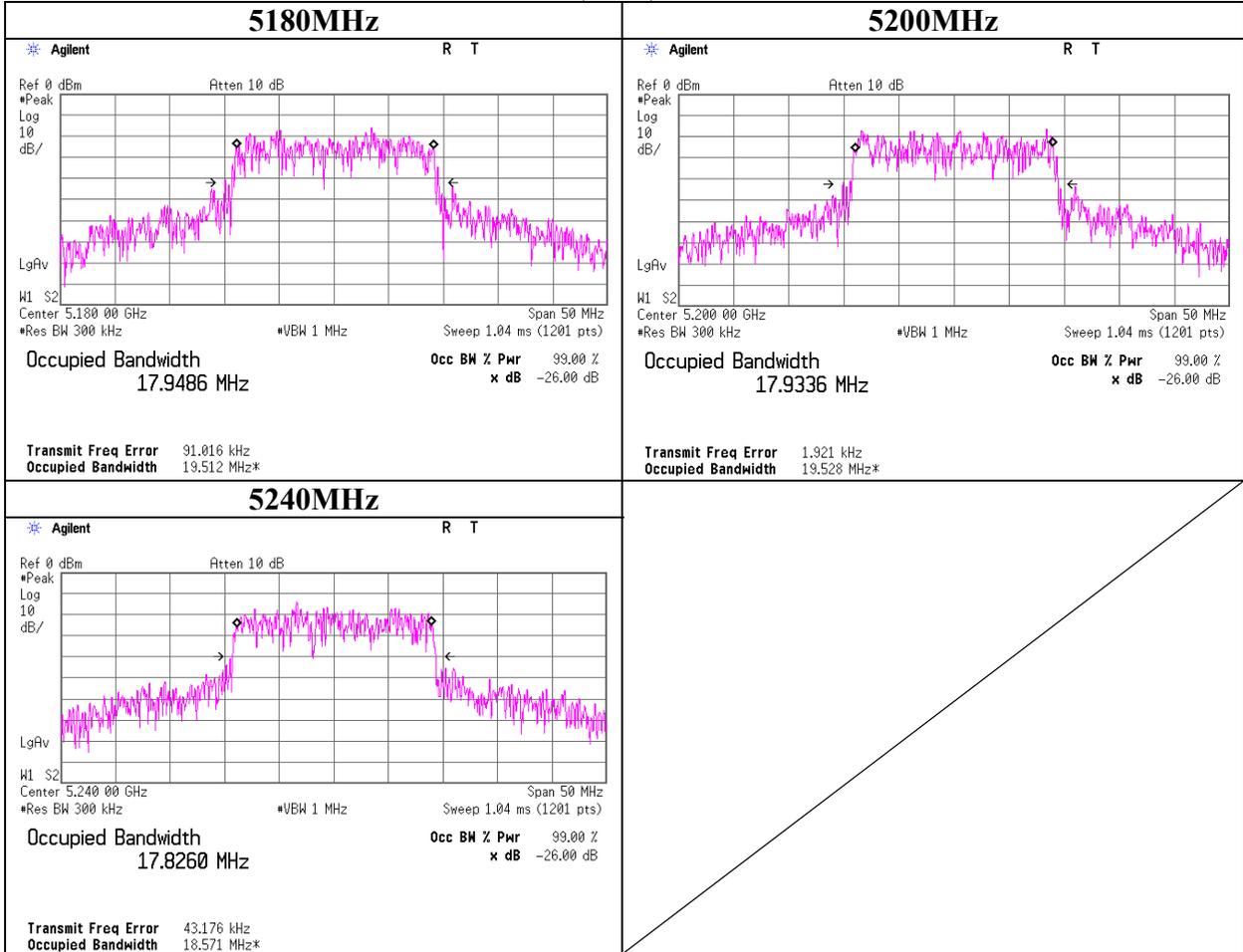
Facsimile : +81 596 24 8124

20dB Emission Bandwidth

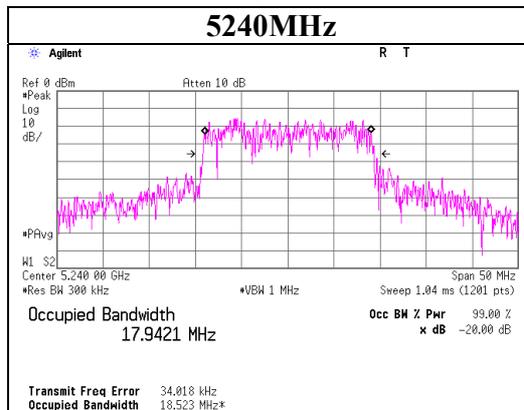
Company	Sony Corporation	UL Japan, Inc
Equipment	Wireless Link	Head Office EMC Lab. No.5 measurement room
Model	DMX-WL1T (Transmitter Unit)	Regulation FCC Part15 Subpart E 15.215(c)
S/N	11	Test Distance -
Power	AC 120V / 60Hz	Date 07/01/2008
Mode	WHDI Tx	Temperature 24deg.C.
		Humidity 64%
		Engineer Akio Hayashi

Antenna	Freq. [MHz]	20dB Emission Bandwidth [MHz]	Limit [MHz]
1	5240.0	18.523	20.000
2	5240.0	18.375	20.000
3	5240.0	18.409	20.000
4	5240.0	18.774	20.000
1+2+3+4	5240.0	18.538	20.000

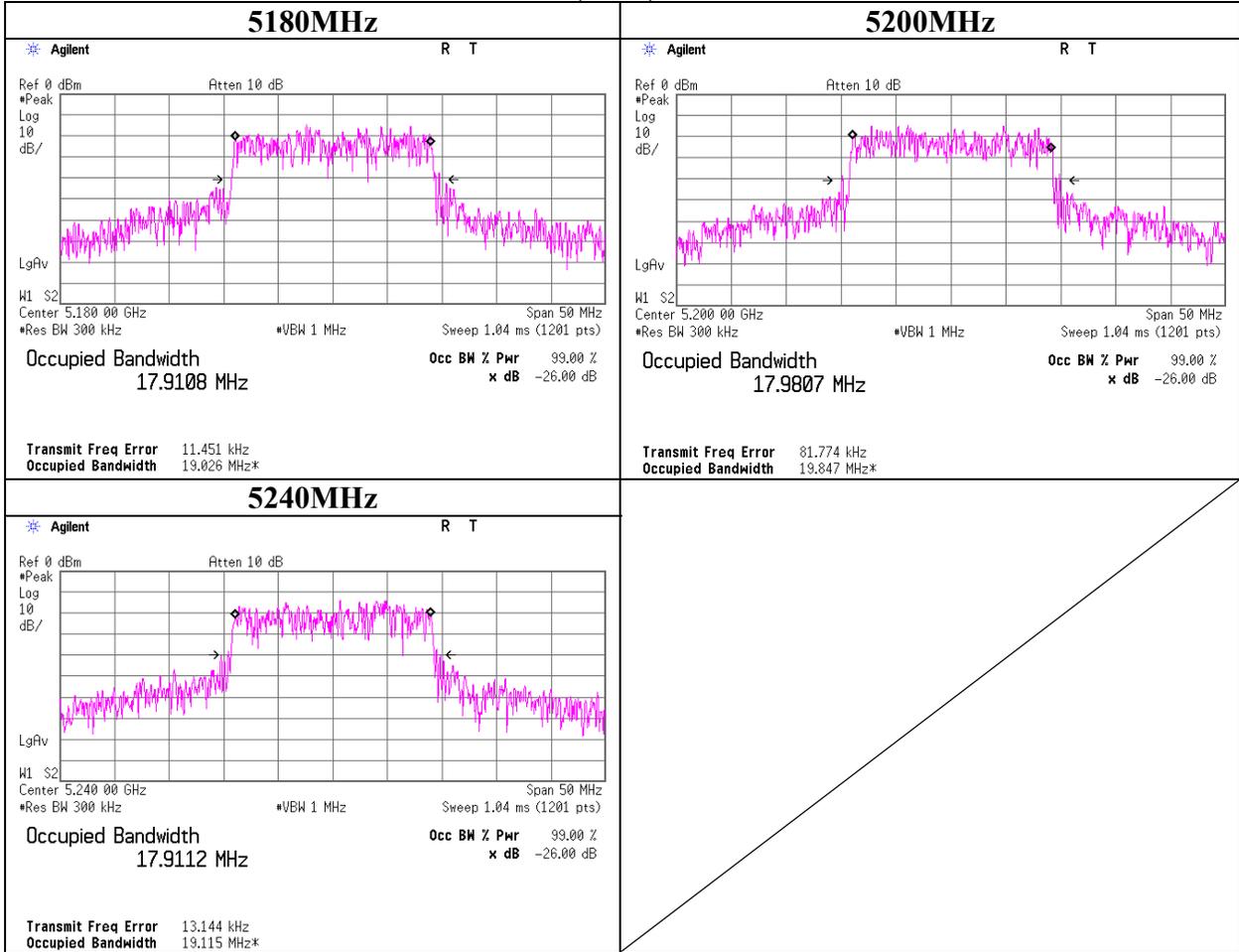
26dB Emission Bandwidth
(Ant1)



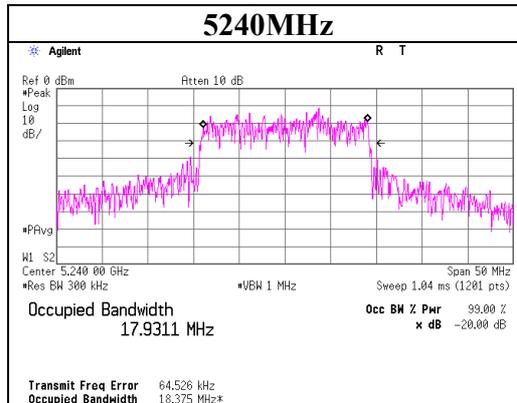
20dB Emission Bandwidth
< 20MHz



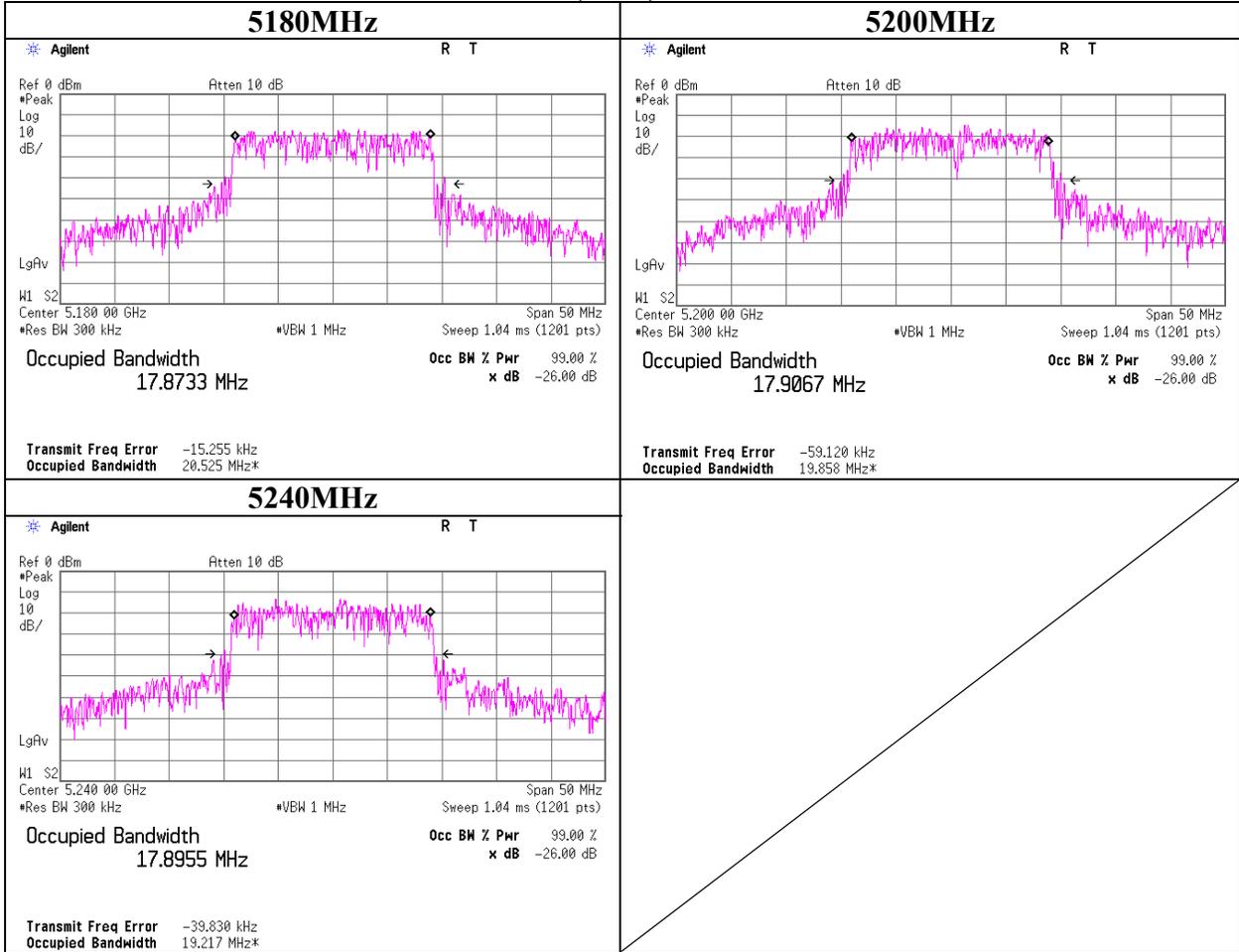
26dB Emission Bandwidth
(Ant2)



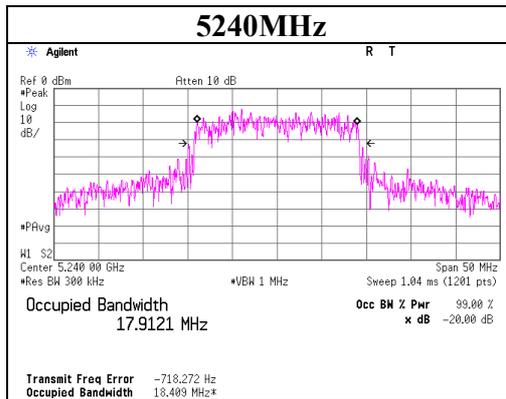
20dB Emission Bandwidth
< 20MHz



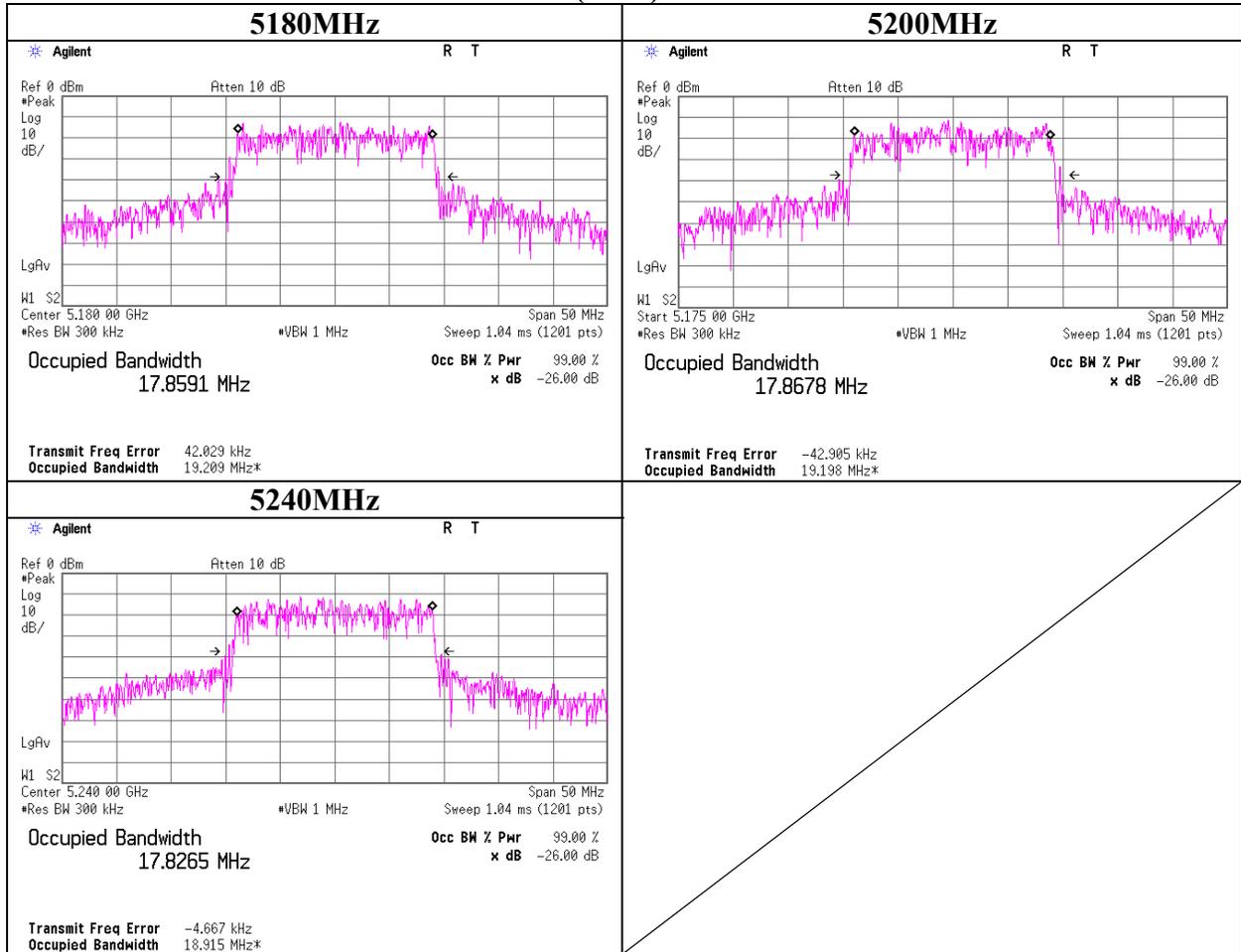
26dB Emission Bandwidth
(Ant3)



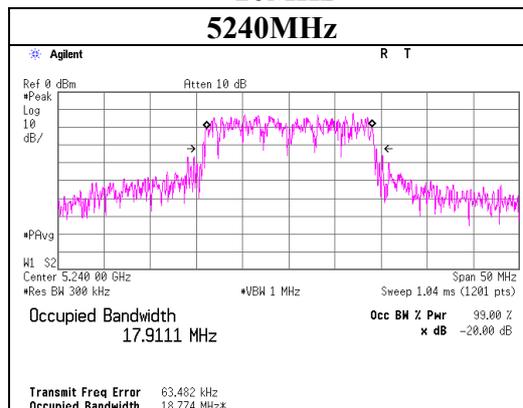
20dB Emission Bandwidth
< 20MHz



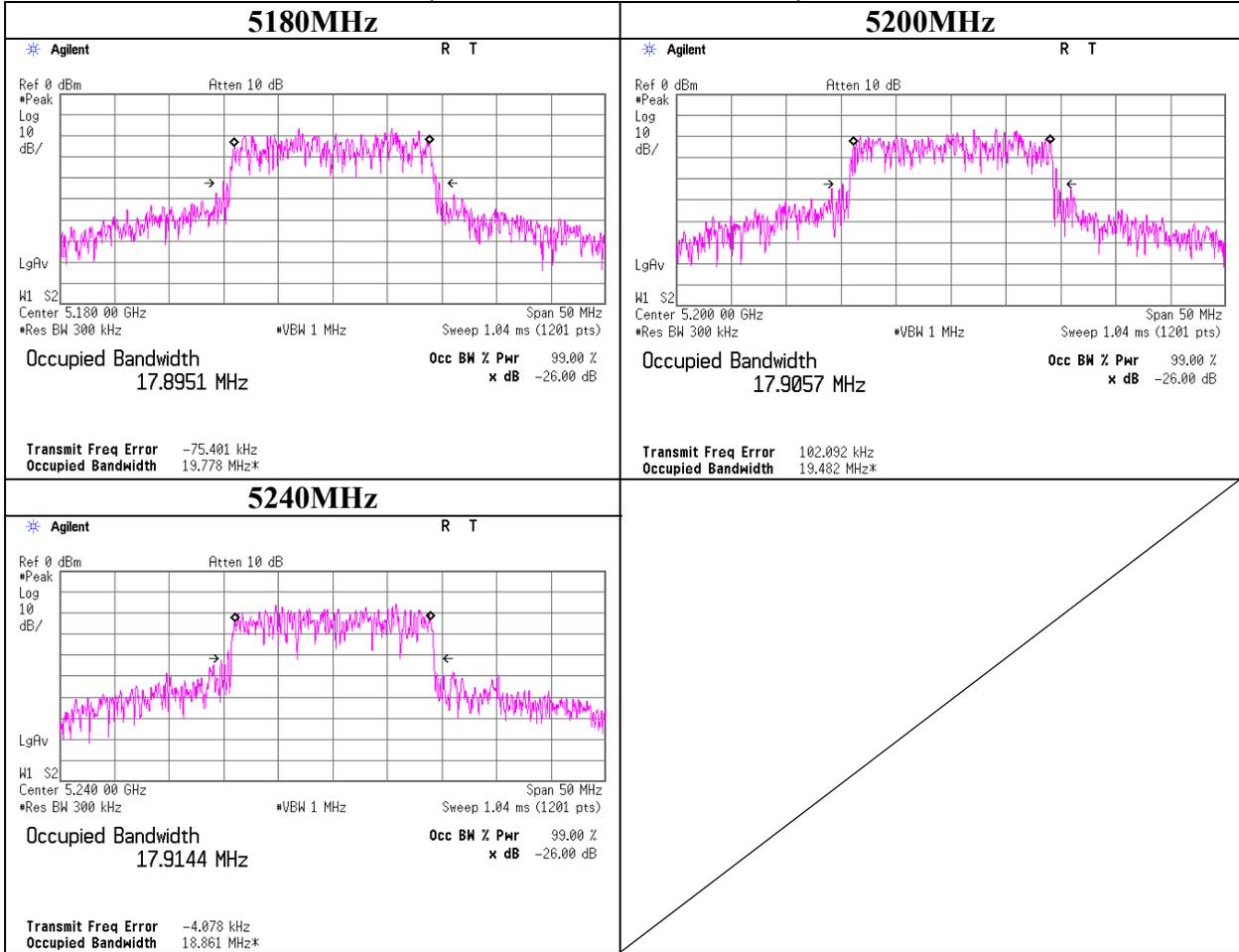
26dB Emission Bandwidth
(Ant4)



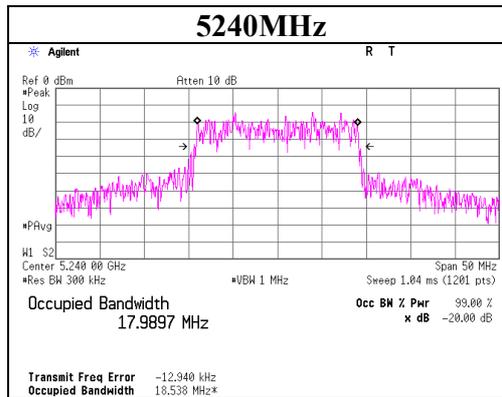
20dB Emission Bandwidth
< 20MHz



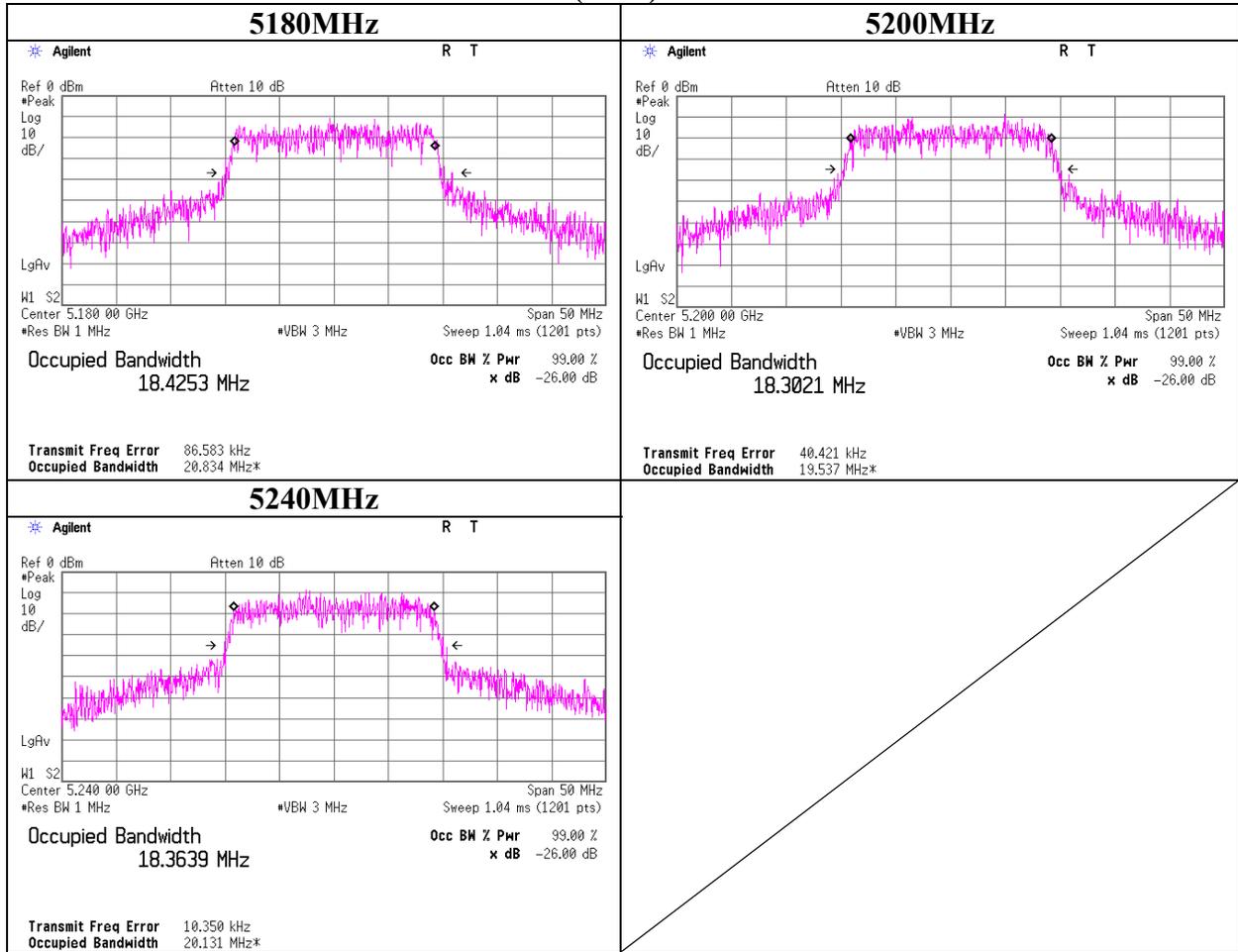
26dB Emission Bandwidth
(Ant1 + Ant2 + Ant3 + Ant4)



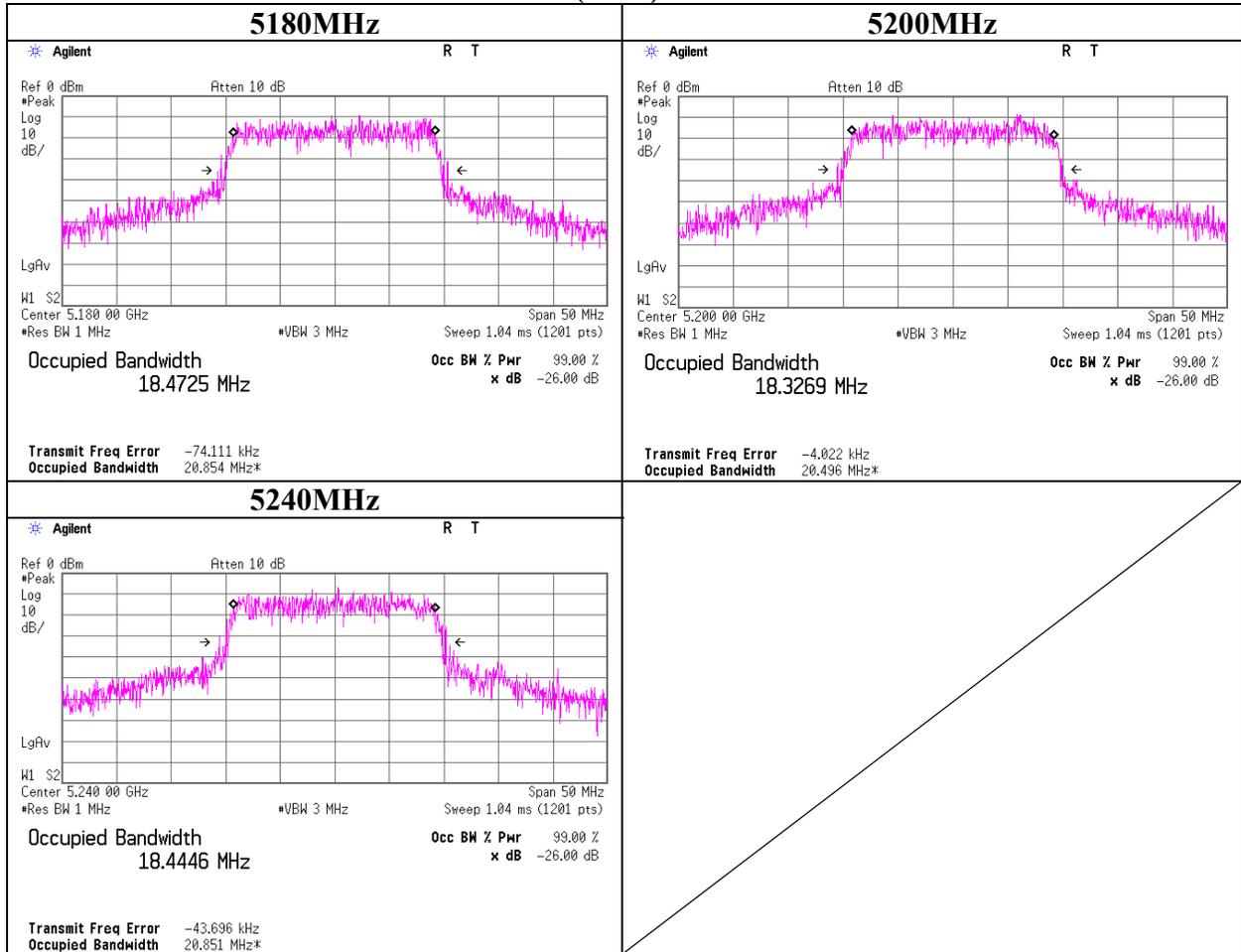
20dB Emission Bandwidth
< 20MHz



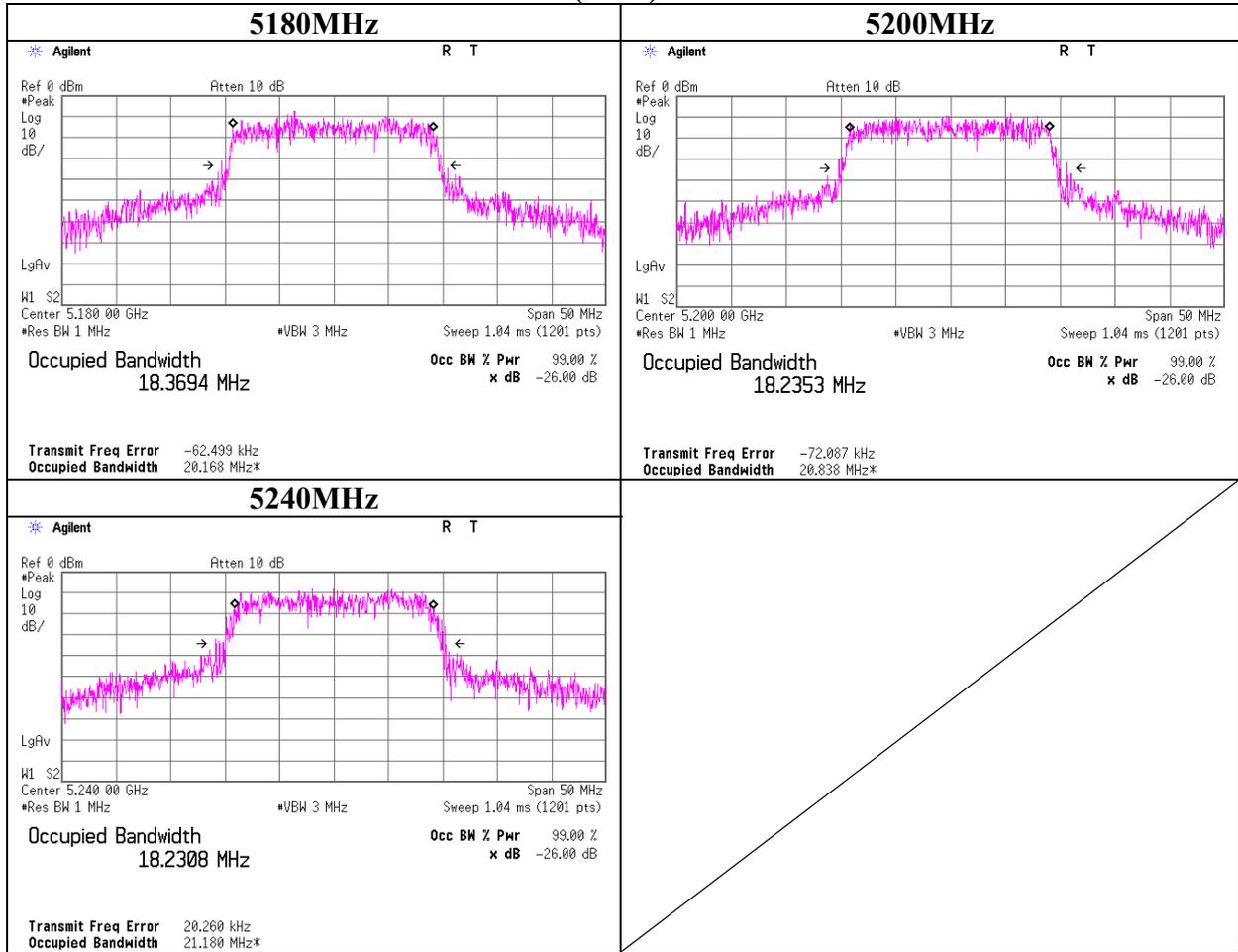
99% Occupied Bandwidth
(Ant1)



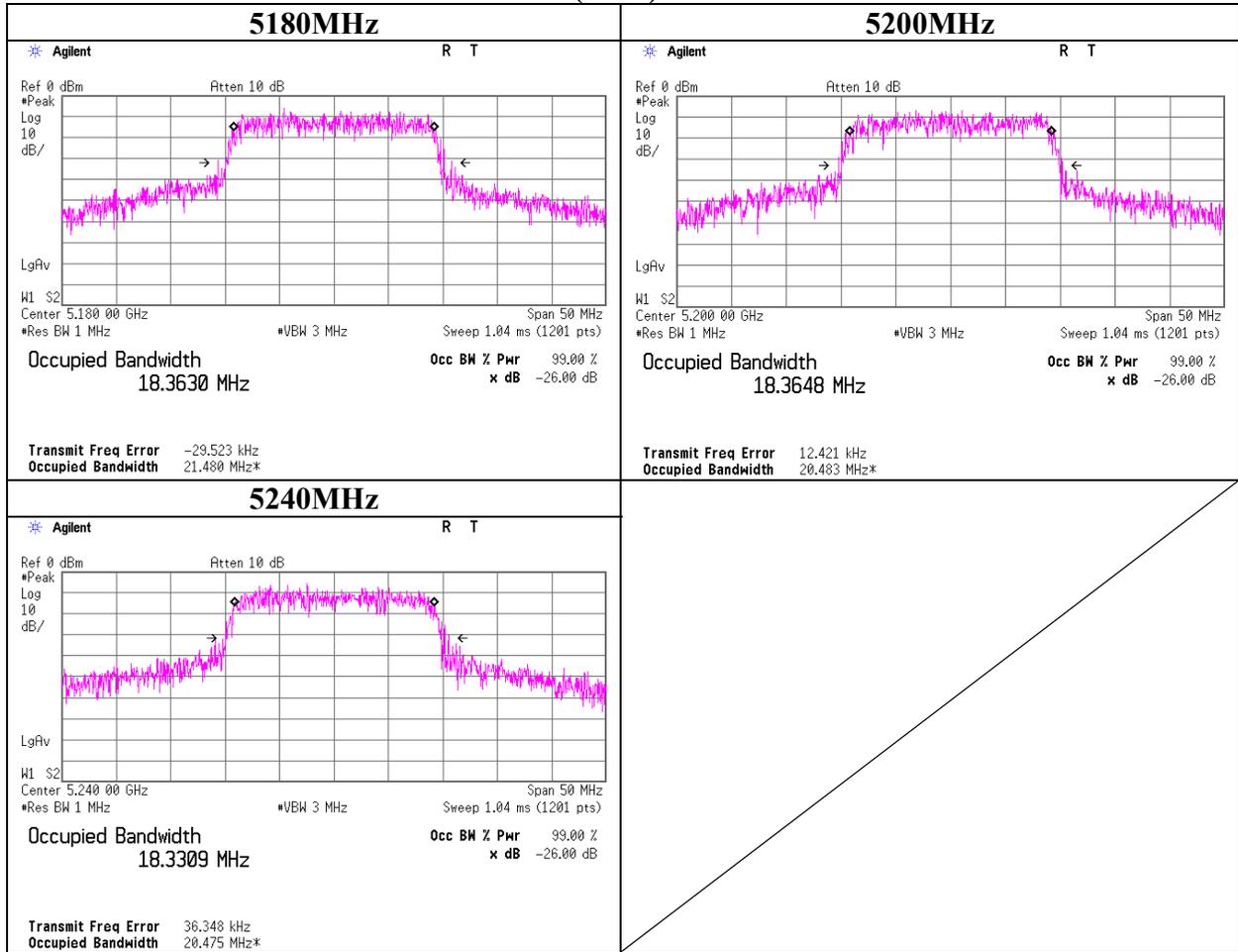
99% Occupied Bandwidth
(Ant2)



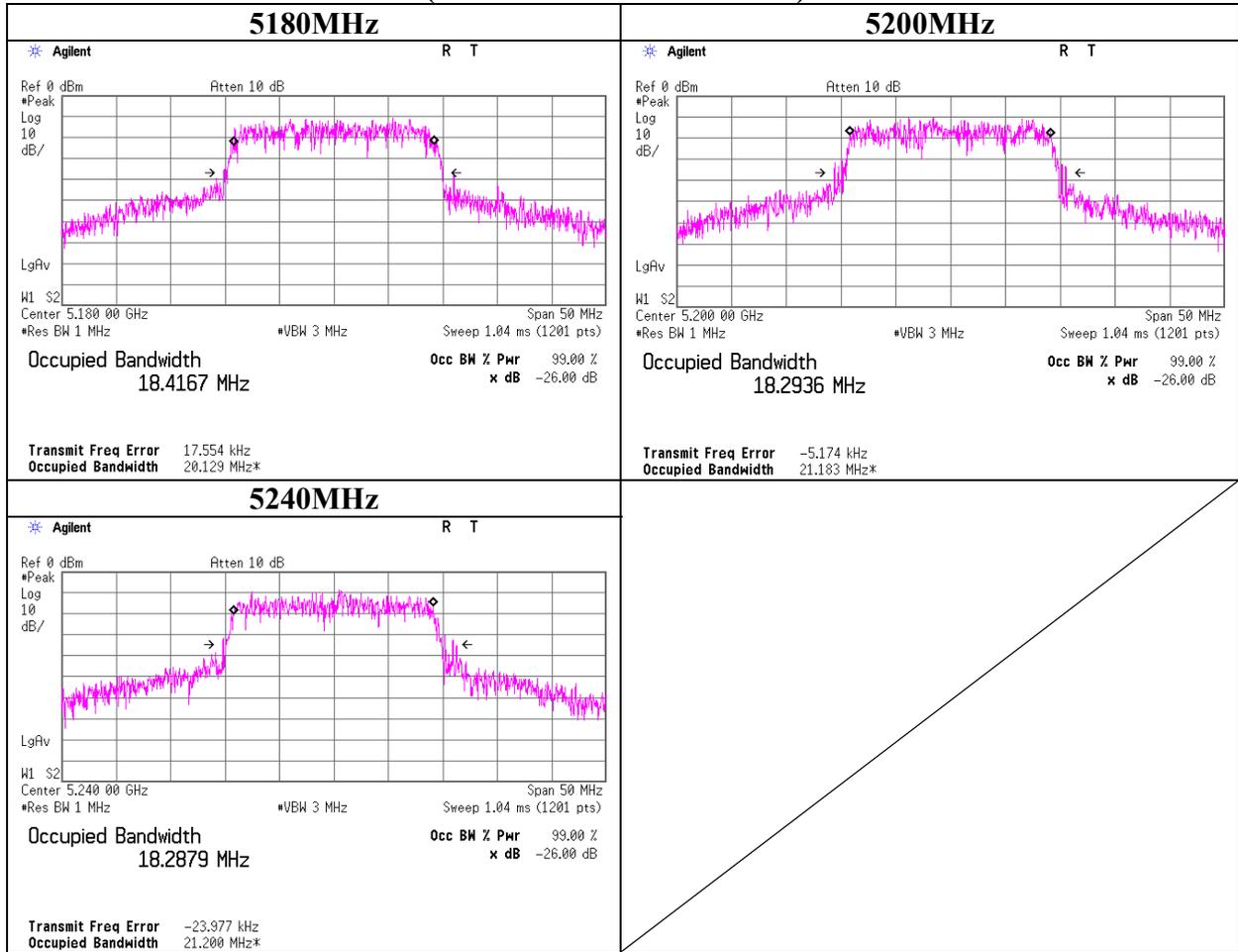
99% Occupied Bandwidth
(Ant3)



99% Occupied Bandwidth
(Ant4)



99% Occupied Bandwidth
(Ant1 + Ant2 + Ant3 + Ant4)



Maximum Peak Output Power

UL Japan, Inc

Head Office EMC Lab. No.6 measurement room

Company	Sony Corporation	Regulation	FCC Part15 Subpart E 15.407(a)(1) / RSS-210 A9.2(1)
Equipment	Wireless Link	Test Distance	-
Model	DMX-WL1T (Transmitter Unit)	Date	06/25/2008
S/N	11	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	64%
Mode	WHDI Tx	Engineer	Kazufumi Nakai

Ant1 + Ant2 + Ant3 + Ant4

[MHz]	Ant1	Ant2	Ant3	Ant4	Result		Limit		Margin	26dB bandwidth [MHz]
	Result [mW]	Result [mW]	Result [mW]	Result [mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	
5180.0	4.20	6.49	6.49	10.33	14.39	27.50	16.96	49.00	2.57	19.78
5200.0	4.61	7.16	8.04	10.30	14.79	30.11	16.90	48.00	2.11	19.48
5240.0	5.92	9.02	10.52	11.80	15.71	37.25	16.76	47.00	1.04	18.86

Sample Calculation:

Ant1 + Ant2 + Ant3 + Ant4 Result [mW] = Ant1 Result [mW] + Ant2 Result [mW] + Ant3 Result [mW] + Ant4 Result [mW]

Ant1 + Ant2 + Ant3 + Ant4 Result [dBm] = 10 x log (Ant1+ Ant2 + Ant3 + Ant4 Result [mW])

Ant1

Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	26dB bandwidth [MHz]
				[dBm]	[mW]	[dBm]	[mW]		
5180.0	-7.20	3.29	10.14	6.23	4.20	16.90	49.00	10.67	19.51
5200.0	-6.79	3.29	10.14	6.64	4.61	16.91	49.00	10.27	19.53
5240.0	-5.72	3.29	10.15	7.72	5.92	16.69	46.00	8.97	18.57

Ant2

Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	26dB bandwidth [MHz]
				[dBm]	[mW]	[dBm]	[mW]		
5180.0	-5.31	3.29	10.14	8.12	6.49	16.79	47.00	8.67	19.03
5200.0	-4.88	3.29	10.14	8.55	7.16	16.98	49.00	8.43	19.85
5240.0	-3.89	3.29	10.15	9.55	9.02	16.81	48.00	7.26	19.12

Ant3

Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	26dB bandwidth [MHz]
				[dBm]	[mW]	[dBm]	[mW]		
5180.0	-5.31	3.29	10.14	8.12	6.49	17.00	50.00	8.88	20.53
5200.0	-4.38	3.29	10.14	9.05	8.04	16.98	49.00	7.93	19.86
5240.0	-3.22	3.29	10.15	10.22	10.52	16.84	48.00	6.62	19.22

Ant4

Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	26dB bandwidth [MHz]
				[dBm]	[mW]	[dBm]	[mW]		
5180.0	-3.29	3.29	10.14	10.14	10.33	16.84	48.00	6.70	19.21
5200.0	-3.30	3.29	10.14	10.13	10.30	16.83	48.00	6.70	19.20
5240.0	-2.72	3.29	10.15	10.72	11.80	16.77	47.00	6.05	18.92

Sample Calculation:

Result [dBm] = S/A Reading + Cable Loss + Atten. Loss

Result [mW] = 10 ^ (Result [dBm] / 10)

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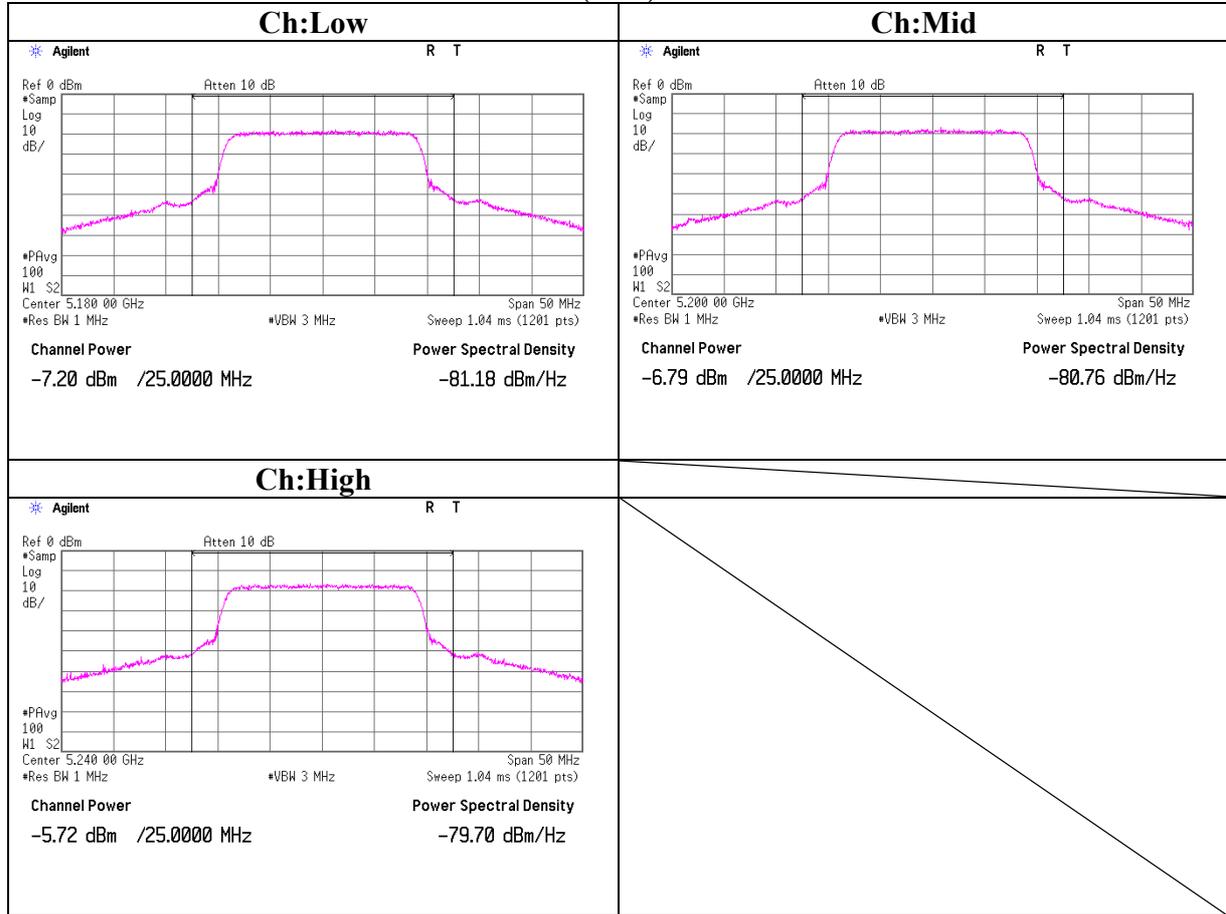
Head Office EMC Lab.

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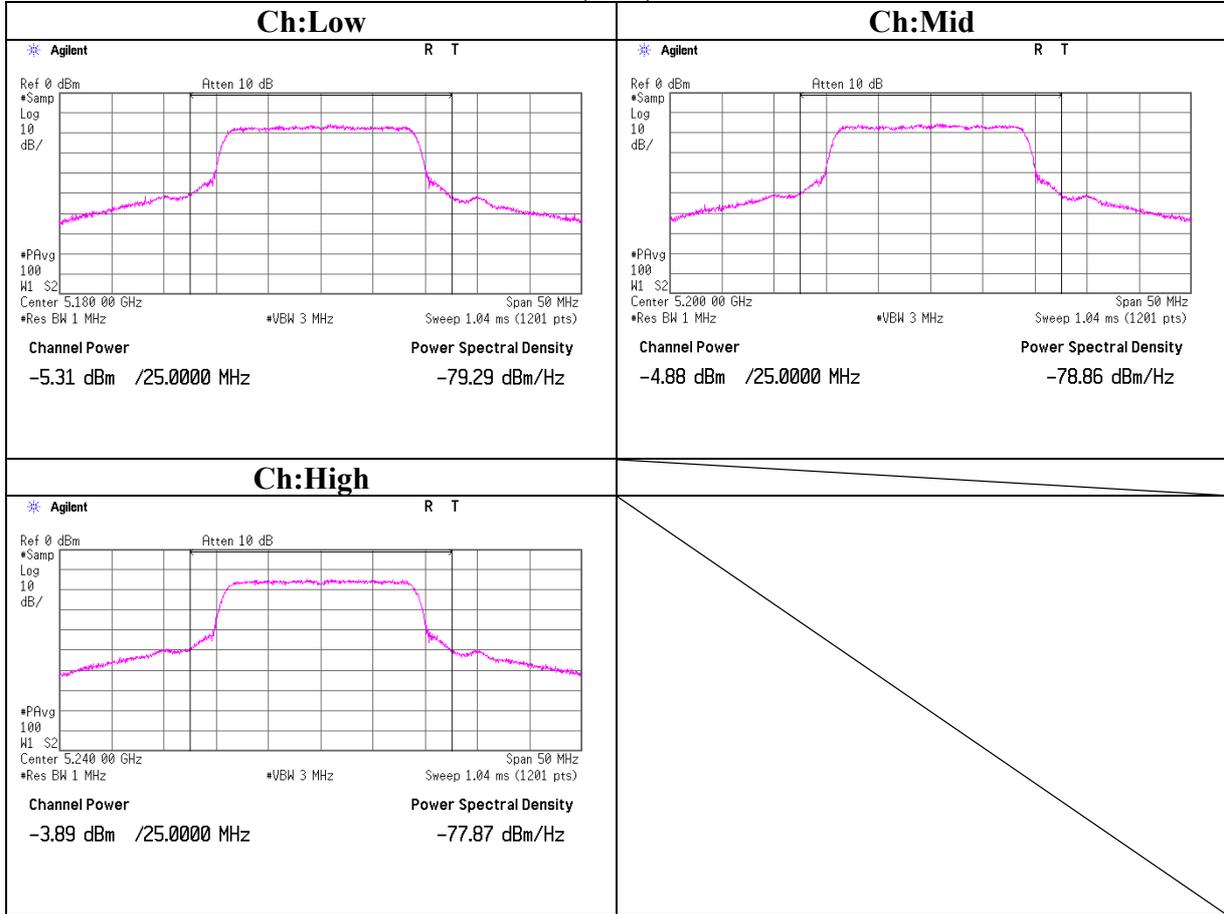
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

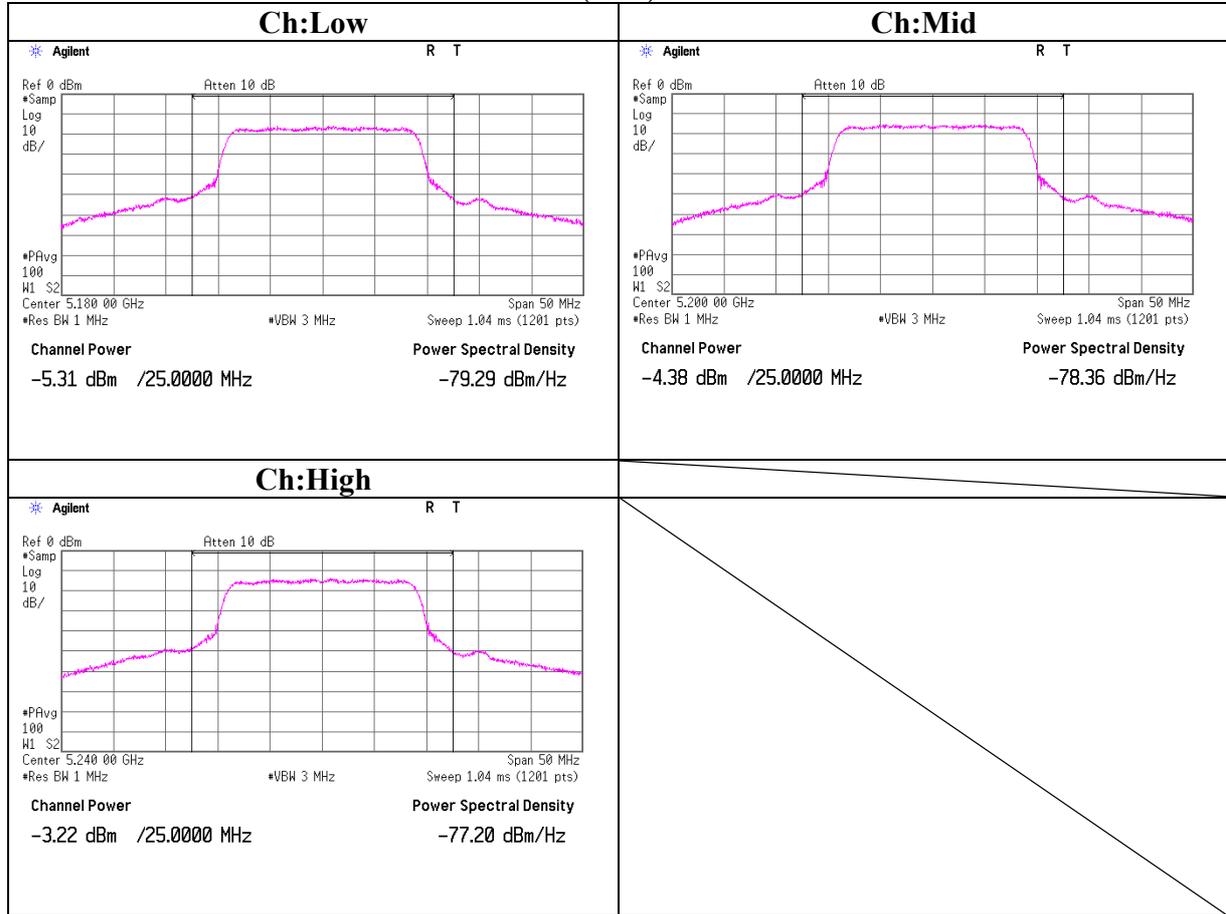
Maximum Peak Output Power
(Ant1)



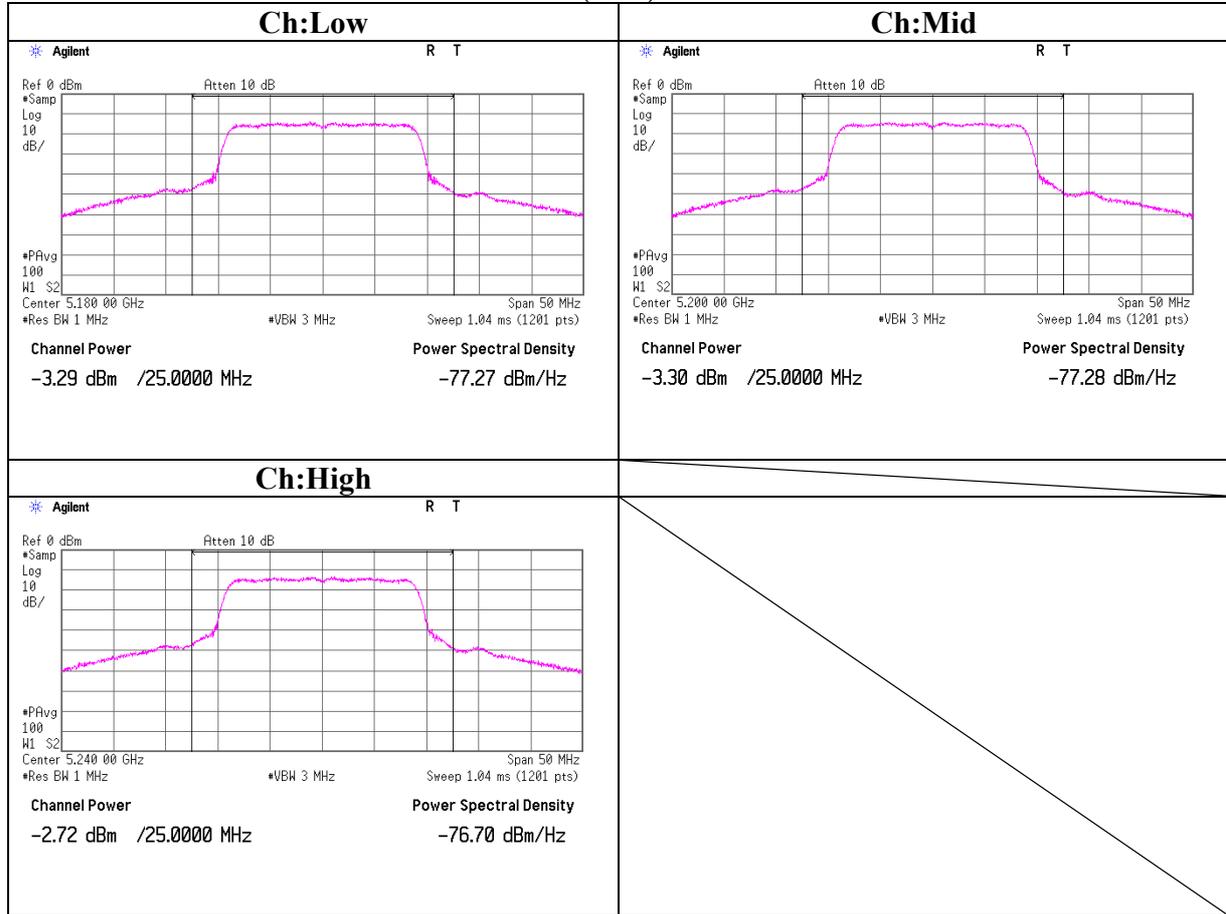
Maximum Peak Output Power
(Ant2)



Maximum Peak Output Power
(Ant3)



Maximum Peak Output Power
(Ant4)



Radiated Spurious Emission (below 1GHz)
Tx, 5180MHz

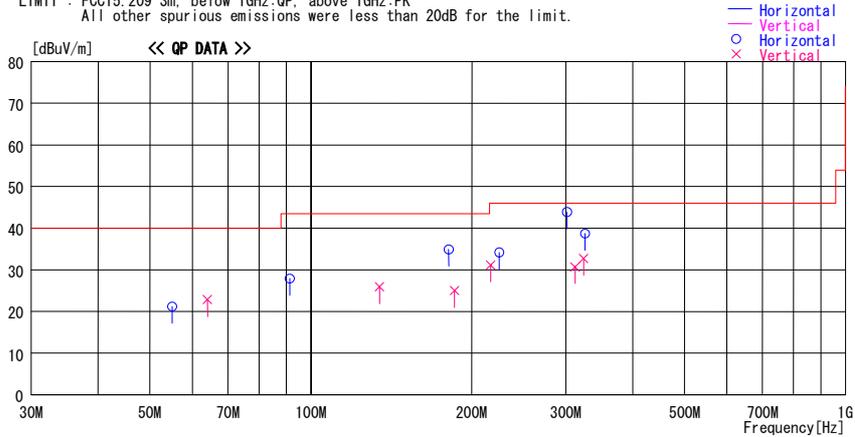
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/06/27

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C. / 72%
Engineer : Kazufumi Nakai

Mode / Remarks : WHD1 Tx 5180MHz, Worst-axis(Hor:X, Ver:Y)

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [deg]	Height [cm]	Polar.	Limit		Margin [dB]	Comment
			Factor [dB/m]	Loss [dB]					[dBuV/m]	[dB]		
54.994	36.8	QP	8.9	-24.5	21.2	283	168	Hori.	40.0	18.8		
64.067	39.9	QP	7.3	-24.4	22.8	203	100	Vert.	40.0	17.2		
91.214	43.6	QP	8.3	-24.0	27.9	259	244	Hori.	43.5	15.6		
134.466	35.5	QP	13.9	-23.5	25.9	359	100	Vert.	43.5	17.6		
181.171	41.7	QP	16.4	-23.2	34.9	94	180	Hori.	43.5	8.6		
185.731	31.8	QP	16.4	-23.2	25.0	20	100	Vert.	43.5	18.5		
216.943	37.7	QP	16.3	-22.8	31.2	359	100	Vert.	46.0	14.8		
225.097	40.6	QP	16.3	-22.7	34.2	48	145	Hori.	46.0	11.8		
301.375	51.4	QP	14.6	-22.1	43.9	323	100	Hori.	46.0	2.1		
312.169	37.8	QP	14.9	-22.0	30.7	66	100	Vert.	46.0	15.3		
323.594	39.3	QP	15.3	-21.9	32.7	20	100	Vert.	46.0	13.3		
325.463	45.3	QP	15.3	-21.9	38.7	90	100	Hori.	46.0	7.3		

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

*The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Tx, 5200MHz

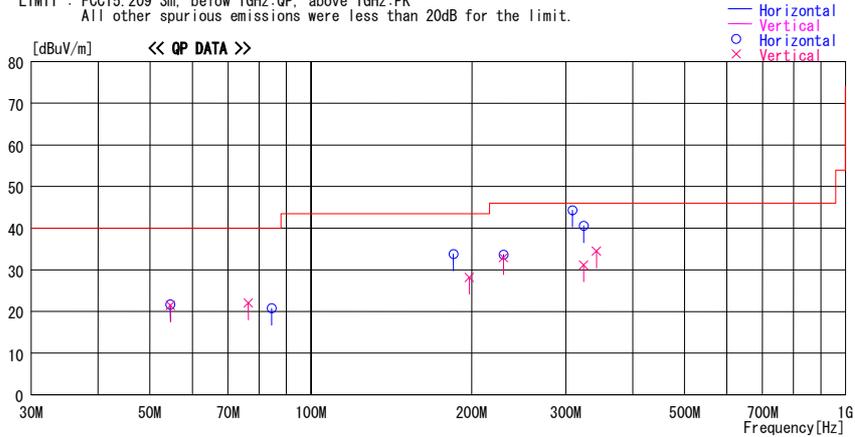
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/06/27

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C. / 72%
Engineer : Kazufumi Nakai

Mode / Remarks : WHDI Tx 5200MHz, Worst-axis(Hor:X, Ver:Y)

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit		Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]		
54.582	37.2	QP	9.0	-24.5	21.7	275	365	Hori.	40.0	18.3		
54.613	37.0	QP	9.0	-24.5	21.5	2	100	Vert.	40.0	18.5		
76.393	39.8	QP	6.4	-24.2	22.0	64	100	Vert.	40.0	18.0		
84.504	37.7	QP	7.2	-24.1	20.8	330	217	Hori.	40.0	19.2		
184.708	40.6	QP	16.4	-23.2	33.8	73	165	Hori.	43.5	9.7		
198.004	35.1	QP	16.2	-23.1	28.2	159	100	Vert.	43.5	15.3		
229.232	39.9	QP	16.4	-22.7	33.6	344	136	Hori.	46.0	12.4		
229.238	39.2	QP	16.4	-22.7	32.9	85	100	Vert.	46.0	13.1		
308.466	51.5	QP	14.8	-22.0	44.3	63	100	Hori.	46.0	1.7		
323.726	47.2	QP	15.3	-21.9	40.6	227	100	Hori.	46.0	5.4		
323.778	37.8	QP	15.3	-21.9	31.2	14	129	Vert.	46.0	14.8		
342.164	40.5	QP	15.8	-21.8	34.5	351	100	Vert.	46.0	11.5		

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

*The test result is round off to one or two decimal places, so some differences might be observed.

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Radiated Spurious Emission (below 1GHz)
Tx, 5240MHz

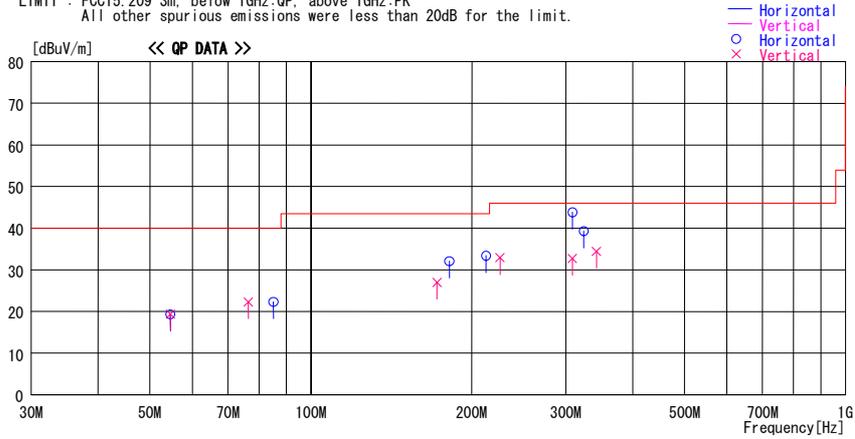
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/06/27

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C. / 72%
Engineer : Kazufumi Nakai

Mode / Remarks : WHD1 Tx 5240MHz, Worst-axis(Hor:X, Ver:Y)

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
54.588	34.8	QP	9.0	-24.5	19.3	274	400	Hori.	40.0	20.7	
54.603	34.9	QP	9.0	-24.5	19.4	5	100	Vert.	40.0	20.6	
76.391	40.1	QP	6.4	-24.2	22.3	45	100	Vert.	40.0	17.7	
85.125	39.1	QP	7.3	-24.1	22.3	4	220	Hori.	40.0	17.7	
172.132	34.2	QP	16.0	-23.2	27.0	10	100	Vert.	43.5	16.5	
181.524	38.9	QP	16.4	-23.2	32.1	332	100	Hori.	43.5	11.4	
212.693	39.9	QP	16.3	-22.8	33.4	35	159	Hori.	43.5	10.1	
226.049	39.2	QP	16.4	-22.7	32.9	10	100	Vert.	46.0	13.1	
308.397	51.0	QP	14.8	-22.0	43.8	74	100	Hori.	46.0	2.2	
308.512	39.9	QP	14.8	-22.0	32.7	180	159	Vert.	46.0	13.3	
323.663	45.9	QP	15.3	-21.9	39.3	229	100	Hori.	46.0	6.7	
342.111	40.4	QP	15.8	-21.8	34.4	349	100	Vert.	46.0	11.6	

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

*The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Rx, 5200MHz

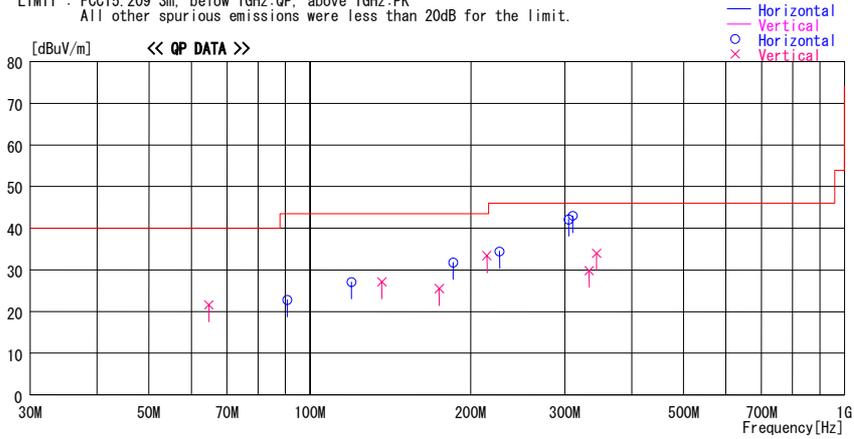
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/06/27

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C. / 72%
Engineer : Kazufumi Nakai

Mode / Remarks : WHD1 Rx 5200MHz, Worst-axis(Hor:X, Ver:Y)

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss& Gain [dB]							
64.718	38.8	QP	7.2	-24.4	21.6	180	100	Vert.	40.0	18.4	
90.747	38.6	QP	8.2	-24.0	22.8	81	220	Hori.	43.5	20.7	
119.538	38.3	QP	12.5	-23.7	27.1	281	233	Hori.	43.5	16.4	
136.425	36.5	QP	14.1	-23.5	27.1	335	100	Vert.	43.5	16.4	
174.604	32.5	QP	16.2	-23.2	25.5	0	100	Vert.	43.5	18.0	
185.212	38.6	QP	16.4	-23.2	31.8	337	126	Hori.	43.5	11.7	
214.472	39.9	QP	16.3	-22.8	33.4	359	100	Vert.	43.5	10.1	
226.505	40.7	QP	16.4	-22.7	34.4	328	122	Hori.	46.0	11.6	
305.121	49.5	QP	14.7	-22.1	42.1	71	100	Hori.	46.0	3.9	
310.167	50.1	QP	14.9	-22.0	43.0	73	100	Hori.	46.0	3.0	
333.056	36.1	QP	15.6	-21.9	29.8	10	100	Vert.	46.0	16.2	
343.824	39.9	QP	15.9	-21.8	34.0	350	100	Vert.	46.0	12.0	

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz-: HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

*The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Zigbee Tx Ch: Mid / WHDI Tx, Ch: Mid

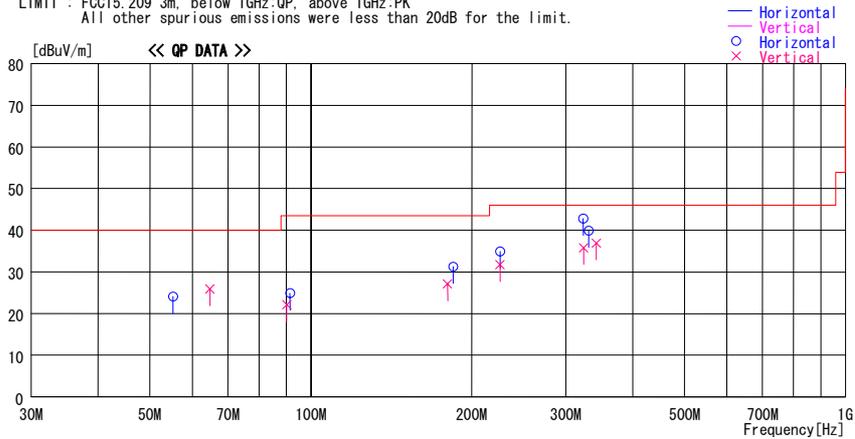
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/06/27

Company : Sony Corporation
Kind of EUT : Wireless Link
Model No. : DMX-WLIT (Transmitter Unit)
Serial No. : 64
Report No. : 28KE0141-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C. / 72%
Engineer : Kazufumi Nakai

Mode / Remarks : Zigbee Tx 2440MHz and WHDI Tx 5200MHz, Worst-axis(Hor:X, Ver:Y)

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss& Gain [dB]							
55.212	39.8	QP	8.8	-24.5	24.1	268	400	Hori.	40.0	15.9	
64.746	43.1	QP	7.2	-24.4	25.9	320	100	Vert.	40.0	14.1	
90.133	38.0	QP	8.1	-24.0	22.1	308	100	Vert.	43.5	21.4	
91.345	40.5	QP	8.4	-24.0	24.9	286	209	Hori.	43.5	18.6	
180.269	33.9	QP	16.4	-23.2	27.1	306	100	Vert.	43.5	16.4	
184.592	38.1	QP	16.4	-23.2	31.3	328	100	Hori.	43.5	12.2	
225.949	41.2	QP	16.4	-22.7	34.9	310	142	Hori.	46.0	11.1	
225.994	38.0	QP	16.4	-22.7	31.7	91	100	Vert.	46.0	14.3	
323.462	49.4	QP	15.3	-21.9	42.8	65	100	Hori.	46.0	3.2	
323.562	42.4	QP	15.3	-21.9	35.8	183	155	Vert.	46.0	10.2	
331.106	46.3	QP	15.5	-21.9	39.9	66	100	Hori.	46.0	6.1	
341.942	42.9	QP	15.8	-21.8	36.9	353	100	Vert.	46.0	9.1	

CHART: WITH FACTOR ANT TYPE: -30MHz: LOOP, 30-300MHz: BICONICAL, 300MHz-1000MHz: LOGPERIODIC, 1000MHz--: HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

*The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

Company	Sony Corporation	UL Japan, Inc.	
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Model	DMX-WL1T (Transmitter Unit)	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
S/N	64	Test Distance	3m (1G-10GHz) / 1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Power	AC 120V / 60Hz	Date	06/26/2008 06/26/2008
Mode	WHDI Tx, 5180MHz	Temperature	24deg.C. 24deg.C.
Position	H: X-axis, V: Y-axis	Humidity	72% 62%
		Engineer	Kazufumi Nakai Takahiro Hatakeda (1GHz-10GHz) (10GHz-40GHz)

PK DETECT

(RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	5150.00	55.9	57.9	31.5	30.6	3.8	0.0	60.6	62.6	73.9	13.3	11.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15540.00	44.8	44.4	38.2	32.0	6.8	2.1	50.4	50.0	73.9	23.5	23.9
3	20720.00	44.7	45.2	37.6	32.6	7.6	0.0	47.8	48.3	73.9	26.1	25.6
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
-	-	-	-	-	-	-	-	-	-	73.9	-	-

AV DETECT

(RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	5150.00	32.2	34.8	31.5	30.6	3.8	0.0	36.9	39.5	53.9	17.0	14.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15540.00	30.4	30.4	38.2	32.0	6.8	2.1	36.0	36.0	53.9	17.9	17.9
3	20720.00	31.4	31.5	37.6	32.6	7.6	0.0	34.5	34.6	53.9	19.4	19.3
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
-	-	-	-	-	-	-	-	-	-	53.9	-	-

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

		UL Japan, Inc.	
		Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless Link	Test Distance	3m (1G-10GHz) / 1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Model	DMX-WLIT (Transmitter Unit)	Date	06/26/2008 06/26/2008
S/N	64	Temperature	24deg.C. 24deg.C.
Power	AC 120V / 60Hz	Humidity	72% 62%
Mode	WHD1 Tx, 5200MHz	Engineer	Kazufumi Nakai Takahiro Hatakeda
Position	H: X-axis, V: Y-axis		(1GHz-10GHz) (10GHz-40GHz)

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	-	-	-	-	-	-	-	-	-	73.9	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15600.00	44.3	44.0	38.0	32.0	6.8	2.1	49.7	49.4	73.9	24.2	24.5
3	20800.00	44.5	45.1	37.6	32.6	7.6	0.0	47.6	48.2	73.9	26.3	25.7
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
4	31200.00	37.3	37.0	40.2	25.1	15.4	0.0	52.2	51.9	73.9	21.7	22.0

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	-	-	-	-	-	-	-	-	-	53.9	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15600.00	30.4	30.4	38.0	32.0	6.8	2.1	35.8	35.8	53.9	18.1	18.1
3	20800.00	31.7	31.6	37.6	32.6	7.6	0.0	34.8	34.7	53.9	19.1	19.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
4	31200.00	23.8	23.7	40.2	25.1	15.4	0.0	38.7	38.6	53.9	15.2	15.3

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency over the third harmonic, the noise from the EUT was not seen. The data above is its base noise.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	DMX-WLIT (Transmitter Unit)	Regulation
S/N	64	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Power	AC 120V / 60Hz	Test Distance
Mode	WHD1 Tx, 5240MHz	3m (1G-10GHz) / 1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Position	H: X-axis, V: Y-axis	Date
		06/26/2008
		06/26/2008
		Temperature
		24deg.C.
		Humidity
		72%
		Engineer
		Kazufumi Nakai
		Takahiro Hatakeda
		(1GHz-10GHz)
		(10GHz-40GHz)

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	5350.00	43.4	39.0	31.5	30.6	3.9	0.0	48.2	43.8	73.9	25.7	30.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15720.00	43.9	44.0	37.6	32.0	6.8	2.2	49.0	49.1	73.9	24.9	24.8
3	20960.00	44.0	44.3	37.6	32.6	7.6	0.0	47.1	47.4	73.9	26.8	26.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
4	31440.00	36.5	36.8	40.2	25.2	15.5	0.0	51.4	51.7	73.9	22.5	22.2

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	5350.00	29.7	34.5	31.5	30.6	3.9	0.0	34.5	39.3	53.9	19.4	14.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15720.00	30.2	30.2	37.6	32.0	6.8	2.2	35.3	35.3	53.9	18.6	18.6
3	20960.00	31.0	31.0	37.6	32.6	7.6	0.0	34.1	34.1	53.9	19.8	19.8
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
4	31440.00	23.5	23.5	40.2	25.2	15.5	0.0	38.4	38.4	53.9	15.5	15.5

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency over the third harmonic, the noise from the EUT was not seen. The data above is its base noise.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)

***used conversion formula**

		UL Japan, Inc.	
Company	Sony Corporation	Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Equipment	Wireless Link	Regulation	FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Model	DMX-WL1T (Transmitter Unit)	Test Distance	3m (1G-10GHz) / 1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
S/N	64	Date	06/26/2008 06/26/2008
Power	AC 120V / 60Hz	Temperature	24deg.C. 24deg.C.
Mode	WHDI Tx, 5180MHz	Humidity	72% 62%
Position	H: X-axis, V: Y-axis	Engineer	Kazufumi Nakai Takahiro Hatakeda (1GHz-10GHz) (10GHz-40GHz)

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Limit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	5150.00	55.9	57.9	31.5	30.6	3.8	0.0	60.6	62.6	-34.6	-32.6	-27.0	7.6	5.6
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	10360.00	49.7	56.9	38.3	32.4	5.6	1.1	52.8	60.0	-42.4	-35.2	-27.0	15.4	8.2
3	25900.00	46.3	46.2	39.1	29.2	8.2	0.0	54.9	54.8	-40.3	-40.4	-27.0	13.3	13.4
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
4	31080.00	33.0	32.9	40.1	25.1	15.4	0.0	47.8	47.7	-47.4	-47.5	-27.0	20.4	20.5
5	36260.00	40.2	40.4	41.2	24.6	16.8	0.0	58.0	58.2	-37.2	-37.0	-27.0	10.2	10.0

Result(EIRP[dBm])=10*LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2) / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

* Except for the above table : All other spurious emissions were less than 20dB for the limit.

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)

***used conversion formula**

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	DMX-WL1T (Transmitter Unit)	Regulation FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
S/N	64	Test Distance 3m (1G-10GHz) / 1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Power	AC 120V / 60Hz	Date 06/26/2008 06/26/2008
Mode	WHDI Tx, 5200MHz	Temperature 24deg.C. 24deg.C.
Position	H: X-axis, Y: Y-axis	Humidity 72% 62%
		Engineer Kazufumi Nakai Takahiro Hatakeda
		(1GHz-10GHz) (10GHz-40GHz)

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 3meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter)														
1	6240.1	47.5	49.7	33.3	30.9	4.1	0.0	54.0	56.2	-41.2	-39.0	-27.0	14.2	12.0
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
2	10400.00	52.4	56.5	38.3	32.4	5.7	1.1	55.6	59.7	-39.6	-35.5	-27.0	12.6	8.5
3	26000.00	46.8	46.1	39.1	29.2	8.2	0.0	55.4	54.7	-39.8	-40.5	-27.0	12.8	13.5
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
4	36400.00	40.3	40.5	41.2	24.5	16.8	0.0	58.2	58.4	-37.0	-36.8	-27.0	10.0	9.8

Result(EIRP[dBm])=10*LOG(((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2) / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

* Except for the above table : All other spurious emissions were less than 20dB for the limit.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)

***used conversion formula**

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	DMX-WL1T (Transmitter Unit)	Regulation FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
S/N	64	Test Distance 3m (1G-10GHz) / 1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Power	AC 120V / 60Hz	Date 06/26/2008 06/26/2008
Mode	WHDI Tx, 5240MHz	Temperature 24deg.C. 24deg.C.
Position	H: X-axis, V: Y-axis	Humidity 72% 62%
		Engineer Kazufumi Nakai Takahiro Hatakeda
		(1GHz-10GHz) (10GHz-40GHz)

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Limit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	10480.00	49.1	58.1	38.2	32.4	5.7	1.1	52.2	61.2	-43.0	-34.0	-27.0	16.0	7.0
2	26200.00	46.9	46.1	39.1	29.0	8.2	0.0	55.7	54.9	-39.5	-40.3	-27.0	12.5	13.3
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	36680.00	40.4	40.1	41.2	24.4	16.9	0.0	58.5	58.2	-36.7	-37.0	-27.0	9.7	10.0

Result(EIRP[dBm])=10*LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2) / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

* Except for the above table : All other spurious emissions were less than 20dB for the limit.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz)

		UL Japan, Inc.
Company	Sony Corporation	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Equipment	Wireless Link	Regulation FCC 15.109 / RSS-Gen 7.2.1 and 7.2.3
Model	DMX-WL1T (Transmitter Unit)	Test Distance 3m (1G-10GHz) / 1m (above 10GHz)
S/N	64	Date 06/26/2008 06/26/2008
Power	AC 120V / 60Hz	Temperature 24deg.C. 24deg.C.
Mode	WHDI Rx, 5200MHz	Humidity 72% 62%
Position	H: X-axis, V: Y-axis	Engineer Kazufumi Nakai Takahiro Hatakeda (1GHz-10GHz) (10GHz-18GHz)

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER				HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	5200.00	41.1	39.9	31.5	30.6	3.8	45.8	44.6	73.9	28.1	29.3
2	6498.65	46.5	48.7	34.1	31.0	4.1	53.7	55.9	73.9	20.2	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss - Dfac											
3	10400.00	42.3	42.2	38.3	32.4	5.1	43.8	43.7	73.9	30.1	30.2
4	15600.00	43.5	43.2	38.0	32.0	6.1	46.1	45.8	73.9	27.8	28.1

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER				HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	5200.00	26.9	26.9	31.5	30.6	3.8	31.6	31.6	53.9	22.3	22.3
2	6498.65	40.7	44.7	34.1	31.0	4.1	47.9	51.9	53.9	6.0	2.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss - Dfac											
3	10400.00	29.0	29.0	38.3	32.4	5.1	30.5	30.5	53.9	23.4	23.4
4	15600.00	30.3	30.3	38.0	32.0	6.1	32.9	32.9	53.9	21.0	21.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	DMX-WLIT (Transmitter Unit)	Regulation FCC Part15 Subpart C 15.209 / RSS-210 A9.3
S/N	64	Test Distance 3m (1G-10GHz)
Power	AC 120V / 60Hz	Date 06/29/2008
Mode	WHDI Tx, 5180MHz Zigbee Tx, 2405MHz	Temperature 24deg.C.
Position	H: X-axis, V: Y-axis	Humidity 74%
		Engineer Shinya Watanabe (1GHz-10GHz)

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	49.3	47.6	26.7	32.8	2.6	0.0	45.8	44.1	73.9	28.1	29.8
2	4143.99	43.9	43.0	29.7	31.1	3.4	0.0	45.9	45.0	73.9	28.0	28.9
3	5150.00	56.3	58.0	31.5	30.6	3.8	0.0	61.0	62.7	73.9	12.9	11.2

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	38.9	35.7	26.7	32.8	2.6	0.0	35.4	32.2	53.9	18.5	21.7
2	4143.99	33.1	34.0	29.7	31.1	3.4	0.0	35.1	36.0	53.9	18.8	17.9
3	5150.00	32.3	34.6	31.5	30.6	3.8	0.0	37.0	39.3	53.9	16.9	14.6

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

		UL Japan, Inc.	
		Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless Link	Test Distance	3m (1G-10GHz)
Model	DMX-WLIT (Transmitter Unit)	Date	06/29/2008
S/N	64	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	74%
Mode	WHDI Tx, 5200MHz Zigbee Tx, 2405MHz	Engineer	Shinya Watanabe (1GHz-10GHz)
Position	H: X-axis, V: Y-axis		

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	48.0	47.7	26.7	32.8	2.6	0.0	44.5	44.2	73.9	29.4	29.7
2	4159.99	41.6	42.9	29.8	31.1	3.4	0.0	43.7	45.0	73.9	30.2	28.9

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	37.5	37.4	26.7	32.8	2.6	0.0	34.0	33.9	53.9	19.9	20.0
2	4159.99	30.2	33.2	29.8	31.1	3.4	0.0	32.3	35.3	53.9	21.6	18.6

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

		UL Japan, Inc.	
		Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless Link	Test Distance	3m (1G-10GHz)
Model	DMX-WL1T (Transmitter Unit)	Date	06/29/2008
S/N	64	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	74%
Mode	WHDI Tx, 5240MHz	Engineer	Shinya Watanabe
	Zigbee Tx, 2405MHz		(1GHz-10GHz)
Position	H: X-axis, V: Y-axis		

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	45.8	45.0	26.7	32.8	2.6	0.0	42.3	41.5	73.9	31.6	32.4
2	4191.99	43.1	43.8	29.8	31.1	3.4	0.0	45.2	45.9	73.9	28.7	28.0
3	5083.17	45.3	45.6	31.6	30.6	3.8	0.0	50.1	50.4	73.9	23.8	23.5
4	5350.00	45.3	47.4	31.5	30.6	3.9	0.0	50.1	52.2	73.9	23.8	21.7

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	32.8	30.8	26.7	32.8	2.6	0.0	29.3	27.3	53.9	24.6	26.6
2	4191.99	33.1	36.8	29.8	31.1	3.4	0.0	35.2	38.9	53.9	18.7	15.0
3	5083.17	33.2	33.1	31.6	30.6	3.8	0.0	38.0	37.9	53.9	15.9	16.0
4	5350.00	32.6	34.5	31.5	30.6	3.9	0.0	37.4	39.3	53.9	16.5	14.6

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

		UL Japan, Inc.	
		Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless Link	Test Distance	3m (1G-10GHz)
Model	DMX-WL1T (Transmitter Unit)	Date	06/29/2008
S/N	64	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	74%
Mode	WHDI Tx, 5180MHz	Engineer	Shinya Watanabe
	Zigbee Tx, 2480MHz		(1GHz-10GHz)
Position	H: X-axis, V: Y-axis		

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	56.0	55.9	26.9	32.8	2.7	0.0	52.8	52.7	73.9	21.1	21.2
2	4144.01	42.3	43.1	29.7	31.1	3.4	0.0	44.3	45.1	73.9	29.6	28.8
3	5150.00	55.5	58.5	31.5	30.6	3.8	0.0	60.2	63.2	73.9	13.7	10.7

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	44.3	45.2	26.9	32.8	2.7	0.0	41.1	42.0	53.9	12.8	11.9
2	4144.01	33.9	35.1	29.7	31.1	3.4	0.0	35.9	37.1	53.9	18.0	16.8
3	5150.00	32.3	33.9	31.5	30.6	3.8	0.0	37.0	38.6	53.9	16.9	15.3

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

		UL Japan, Inc.	
		Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless Link	Test Distance	3m (1G-10GHz)
Model	DMX-WL1T (Transmitter Unit)	Date	06/29/2008
S/N	64	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	74%
Mode	WHDI Tx, 5200MHz	Engineer	Shinya Watanabe
	Zigbee Tx, 2480MHz		(1GHz-10GHz)
Position	H: X-axis, V: Y-axis		

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	58.0	57.7	26.9	32.8	2.7	0.0	54.8	54.5	73.9	19.1	19.4
2	4159.98	41.4	44.1	29.8	31.1	3.4	0.0	43.5	46.2	73.9	30.4	27.7

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	46.5	46.5	26.9	32.8	2.7	0.0	43.3	43.3	53.9	10.6	10.6
2	4159.98	30.3	37.9	29.8	31.1	3.4	0.0	32.4	40.0	53.9	21.5	13.9

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	DMX-WLIT (Transmitter Unit)	Regulation FCC Part15 Subpart C 15.209 / RSS-210 A9.3
S/N	64	Test Distance 3m (1G-10GHz)
Power	AC 120V / 60Hz	Date 06/29/2008
Mode	WHDI Tx, 5240MHz Zigbee Tx, 2480MHz	Temperature 24deg.C.
Position	H: X-axis, V: Y-axis	Humidity 74%
		Engineer Shinya Watanabe (1GHz-10GHz)

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	58.3	55.6	26.9	32.8	2.7	0.0	55.1	52.4	73.9	18.8	21.5
2	4191.99	42.7	42.2	29.8	31.1	3.4	0.0	44.8	44.3	73.9	29.1	29.6
3	5083.34	46.4	46.6	31.6	30.6	3.8	0.0	51.2	51.4	73.9	22.7	22.5
4	5350.00	46.1	47.0	31.5	30.6	3.9	0.0	50.9	51.8	73.9	23.0	22.1

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	47.4	45.0	26.9	32.8	2.7	0.0	44.2	41.8	53.9	9.7	12.1
2	4191.99	32.6	36.1	29.8	31.1	3.4	0.0	34.7	38.2	53.9	19.2	15.7
3	5083.34	32.1	33.2	31.6	30.6	3.8	0.0	36.9	38.0	53.9	17.0	15.9
4	5350.00	32.3	33.9	31.5	30.6	3.9	0.0	37.1	38.7	53.9	16.8	15.2

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 10GHz:Inside of the restricted band)

		UL Japan, Inc.	
		Head Office EMC Lab. No.3 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation	FCC Part15 Subpart C 15.209 / RSS-210 A9.3
Equipment	Wireless Link	Test Distance	1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Model	DMX-WL1T (Transmitter Unit)	Date	06/26/2008
S/N	64	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	62%
Mode	WHDI Tx, 5200MHz, Zigbee Tx, 2440MHz	Engineer	Takahiro Hatakeda (10GHz-40GHz)
Position	H: X-axis, V: Y-axis		

PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	-	-	-	-	-	-	-	-	-	73.9	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15600.00	43.3	43.3	38.0	32.0	6.8	2.1	48.7	48.7	73.9	25.2	25.2
3	20800.00	44.4	44.9	37.6	32.6	7.6	0.0	47.5	48.0	73.9	26.4	25.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
4	31200.00	37.2	36.8	40.2	25.1	15.4	0.0	52.1	51.7	73.9	21.8	22.2

AV DETECT (RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	-	-	-	-	-	-	-	-	-	53.9	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
2	15600.00	30.3	30.4	38.0	32.0	6.8	2.1	35.7	35.8	53.9	18.2	18.1
3	20800.00	31.5	31.6	37.6	32.6	7.6	0.0	34.6	34.7	53.9	19.3	19.2
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(0.5m)												
4	31200.00	24.0	23.6	40.2	25.1	15.4	0.0	38.9	38.5	53.9	15.0	15.4

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB
Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 10GHz:Outside of the restricted band)

***used conversion formula**

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Link	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	DMX-WL1T (Transmitter Unit)	Regulation
S/N	64	FCC Part15 Subpart E 15.407(b) / RSS-210 A9.3
Power	AC 120V / 60Hz	Test Distance
Mode	WHDI Tx, 5200MHz, Zigbee Tx, 2440MHz	1m (10GHz-26.5GHz) / 0.5m (above 26.5GHz)
Position	H: X-axis, V: Y-axis	Date
		06/26/2008
		Temperature
		24deg.C.
		Humidity
		62%
		Engineer
		Takahiro Hatakeda (10GHz-40GHz)

PK detect (RBW 1MHz, VBW 1MHz)

No.	Freq. [MHz]	S/A Reading [dBuV]		Antenna Factor [dB/m]	Amp. Gain [dB]	Cable Loss [dB]	ATT or Filter Loss [dB]	Electric Field Strength [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER					HOR	VER	HOR	VER		HOR	VER
Test distance 1meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(1m)														
1	10400.00	50.5	54.6	38.3	32.4	5.7	1.1	53.7	57.8	-41.5	-37.4	-27.0	14.5	10.4
2	26000.00	46.8	47.1	39.1	29.2	8.2	0.0	55.4	55.7	-39.8	-39.5	-27.0	12.8	12.5
Test distance 0.5meters, Electric Field Strength =Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator (or Filter) - Dfac(0.5m)														
3	36400.00	41.0	40.9	41.2	24.5	16.8	0.0	58.9	58.8	-36.3	-36.4	-27.0	9.3	9.4

Result(EIRP[dBm])=10*LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance:3[m]) ^ 2 } / 30) *10^3)

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

Test Distance 0.5m : Distance Factor(Dfac(0.5m)) = 20log(3.0/0.5) = 15.6 dB

* Except for the above table : All other spurious emissions were less than 20dB for the limit.

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*The test result is rounded off to one or two decimal places, so some differences might be observed.

UL Japan, Inc.

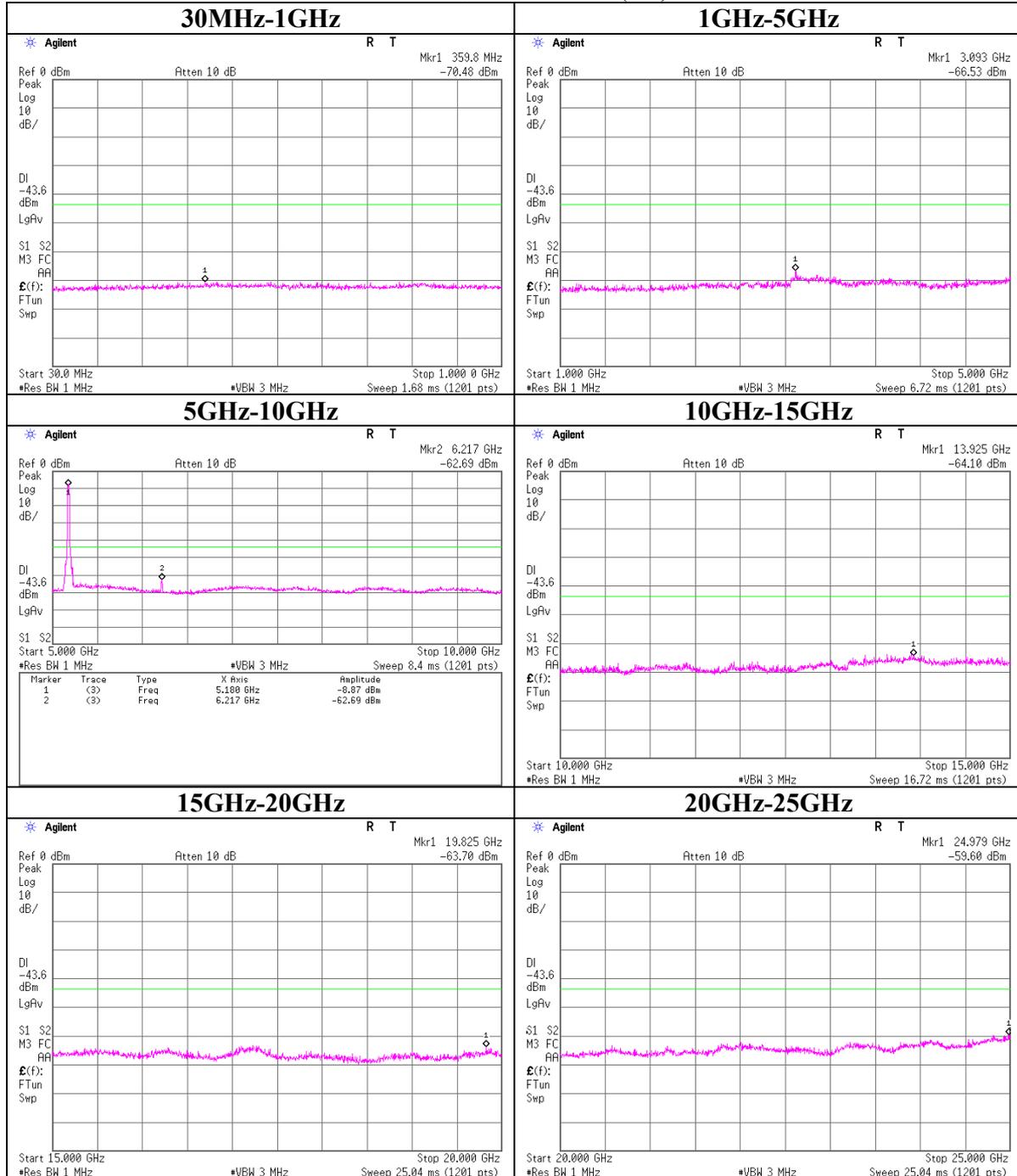
Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

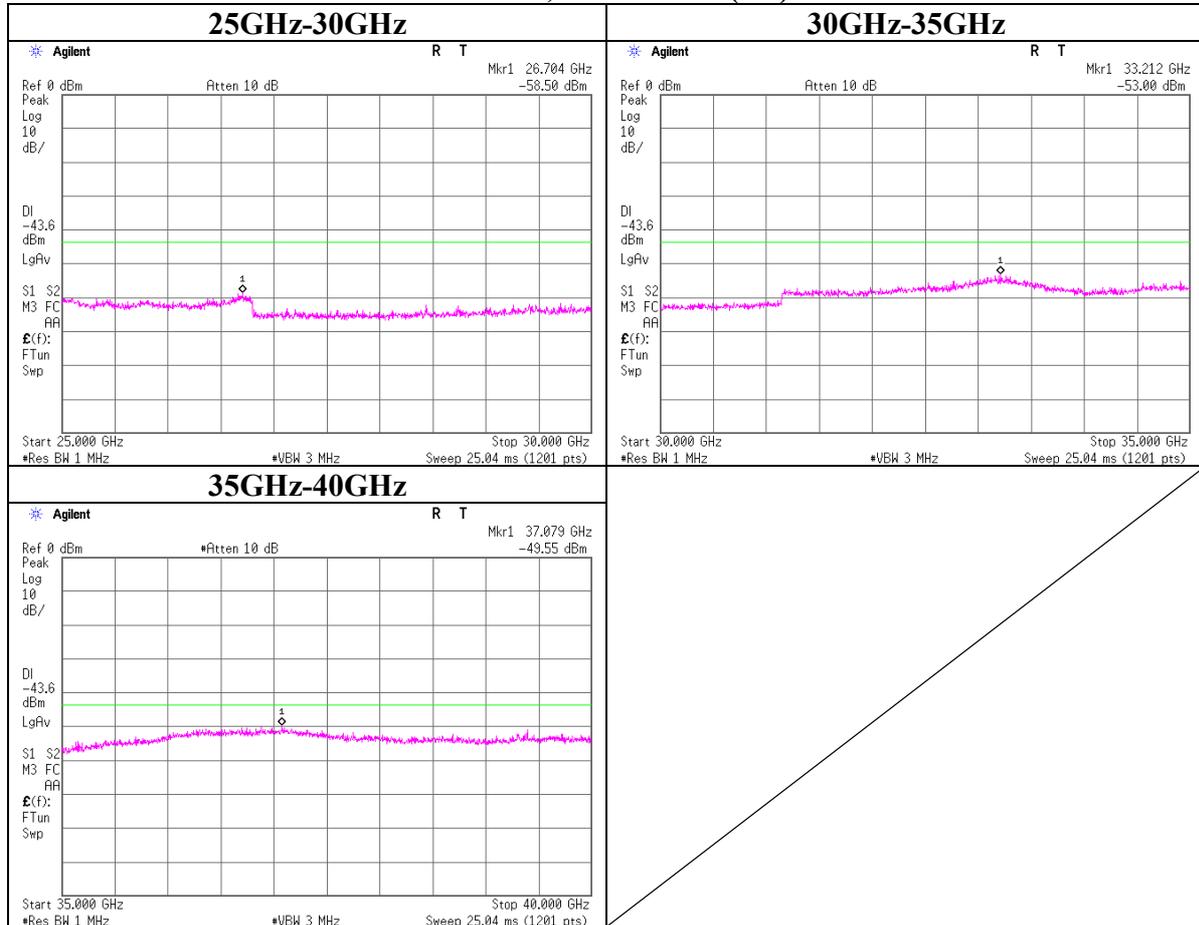
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

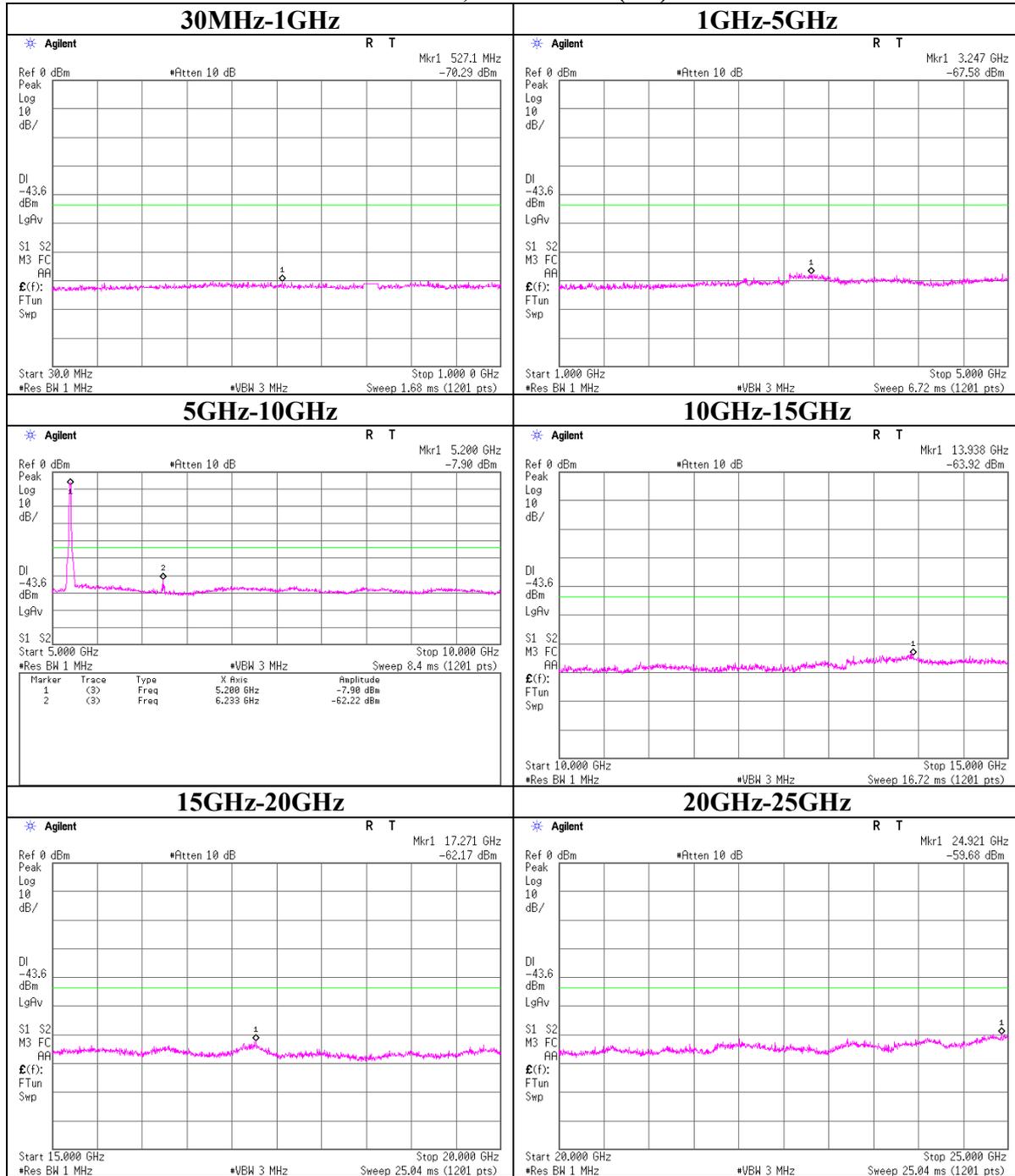
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Ant1, Tx 5180MHz(1/2)



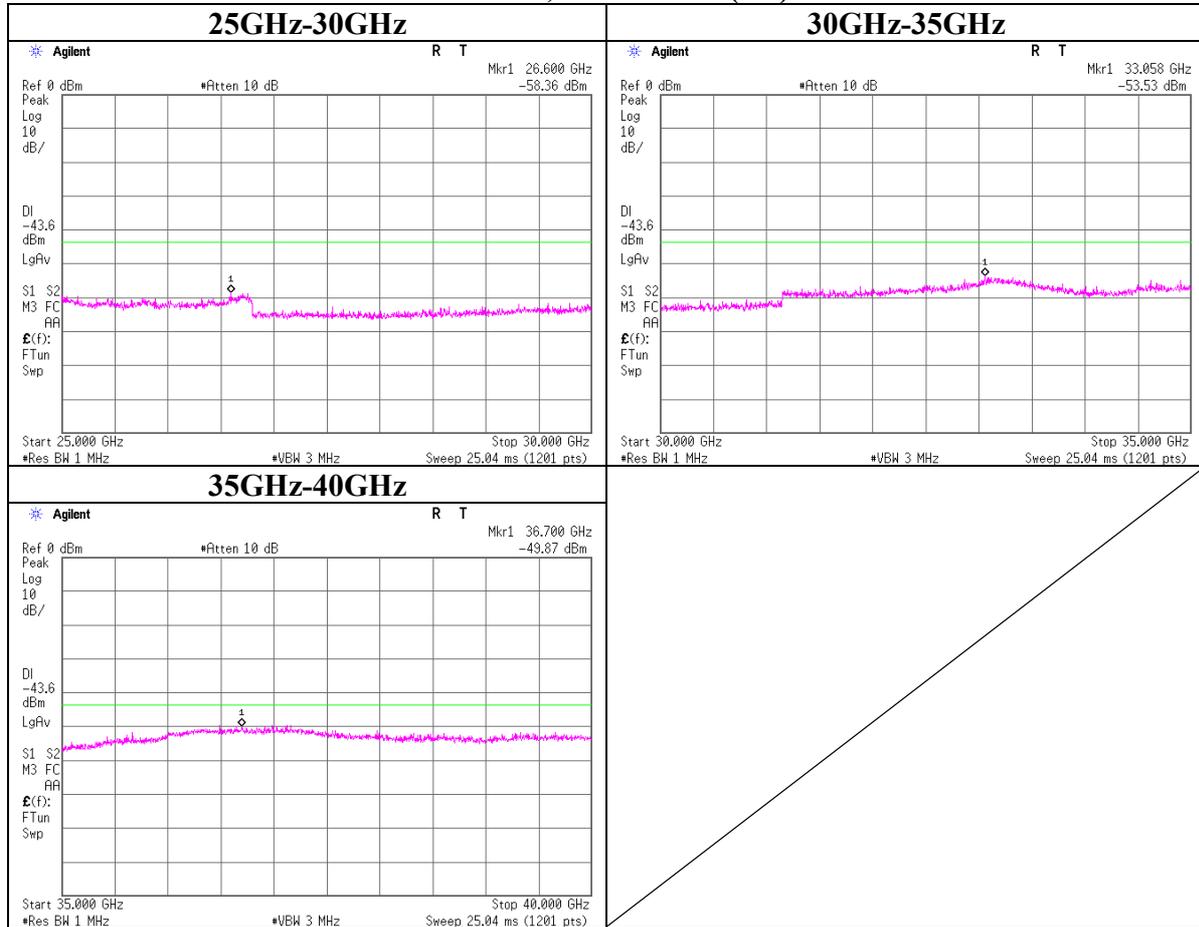
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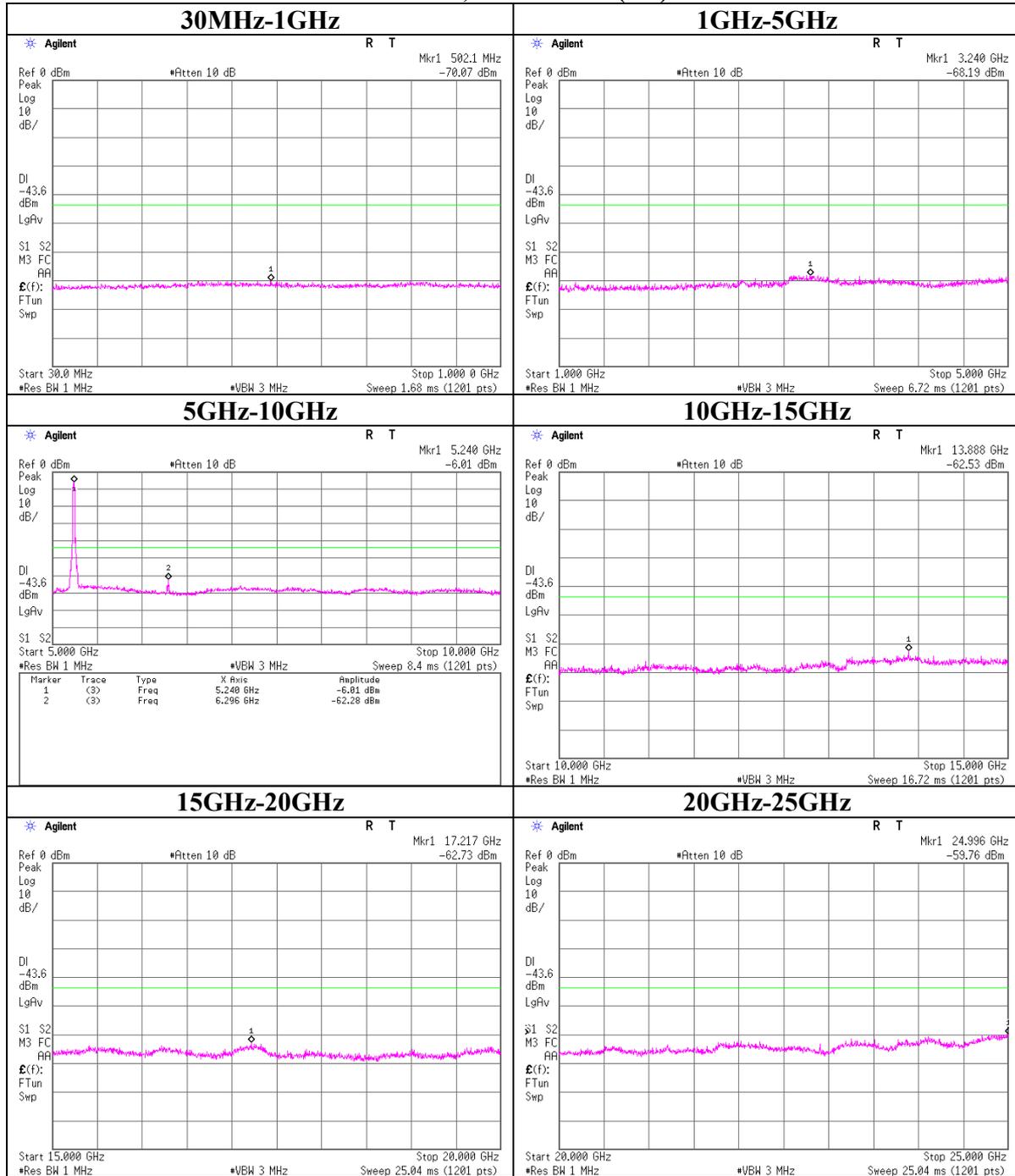
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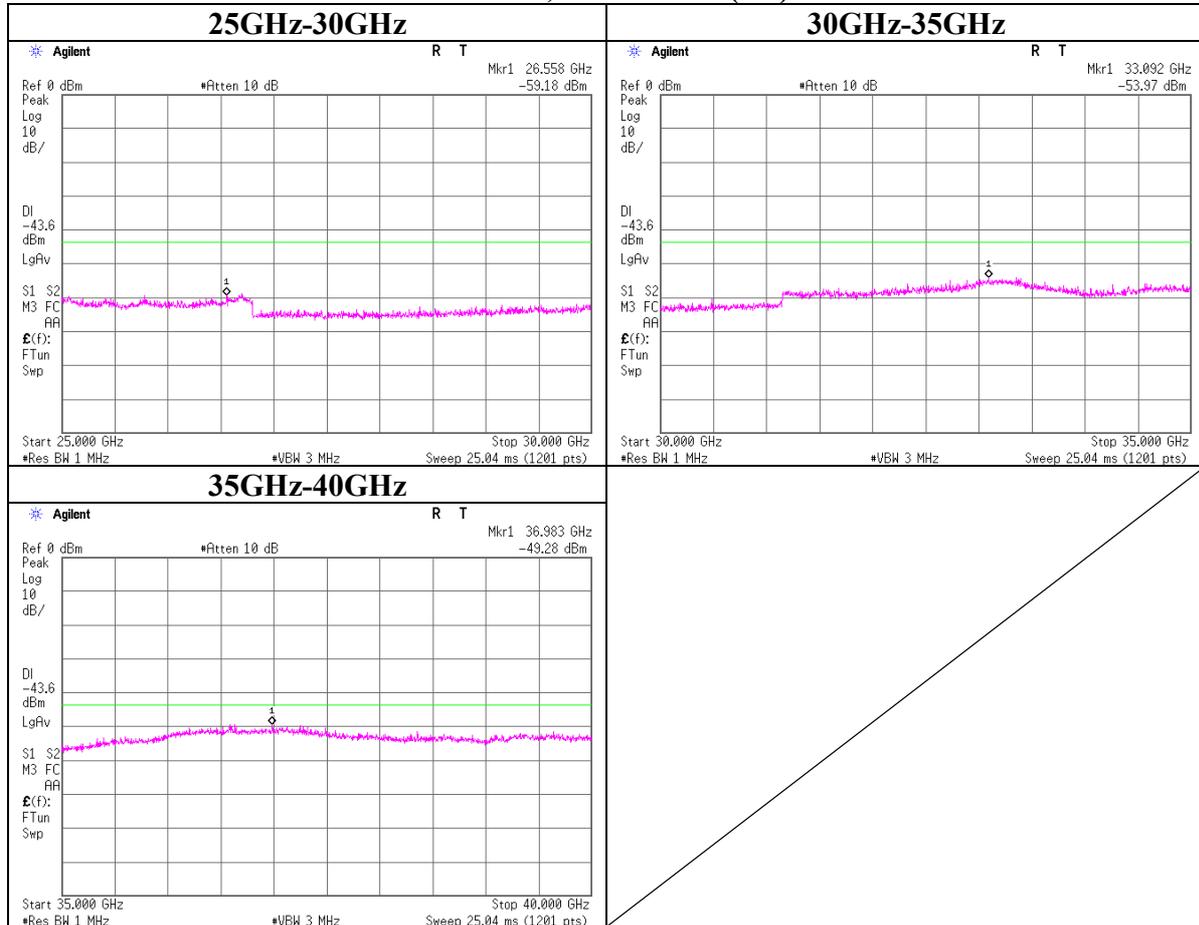
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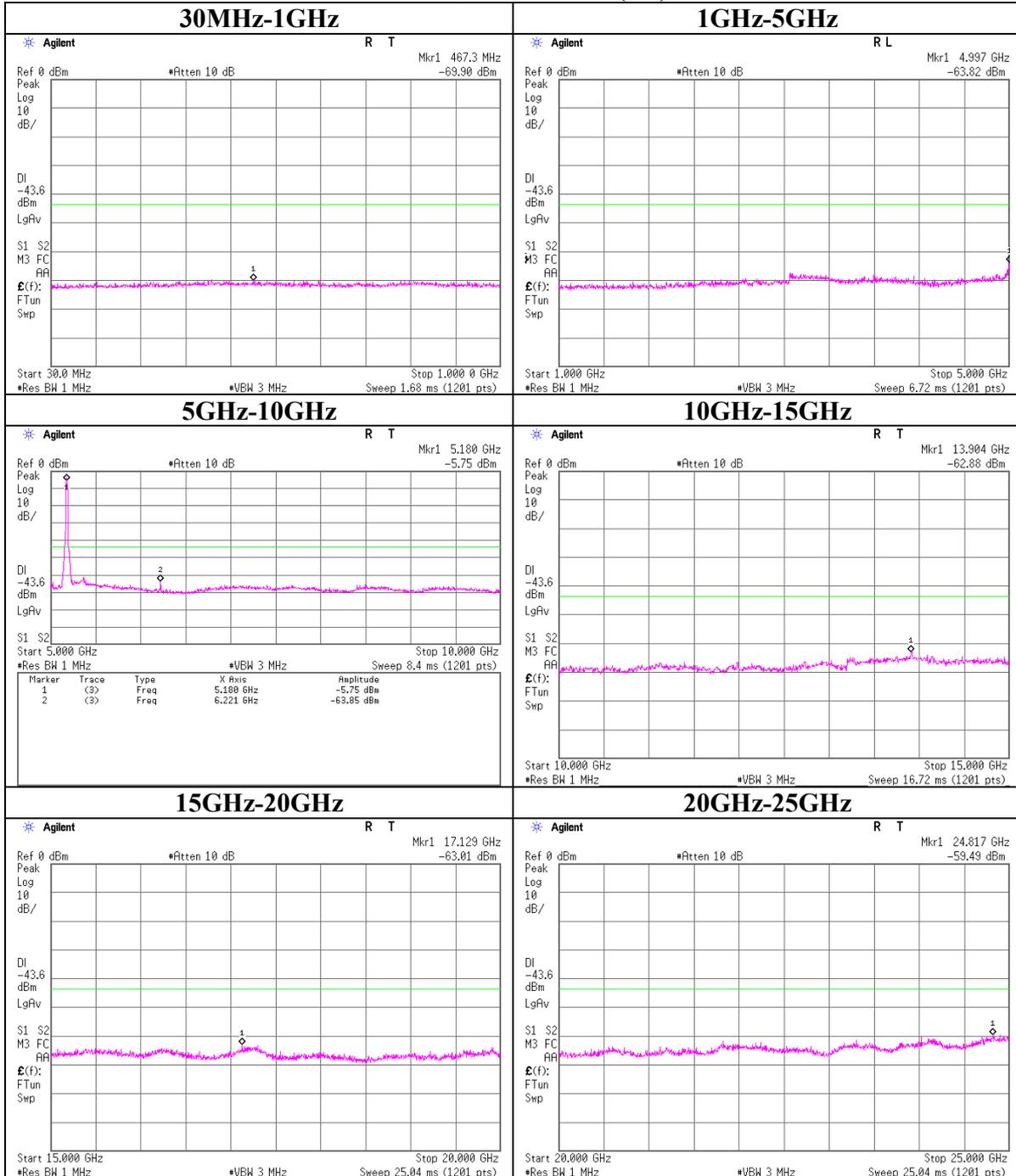
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Ant1,Tx 5240MHz(1/2)



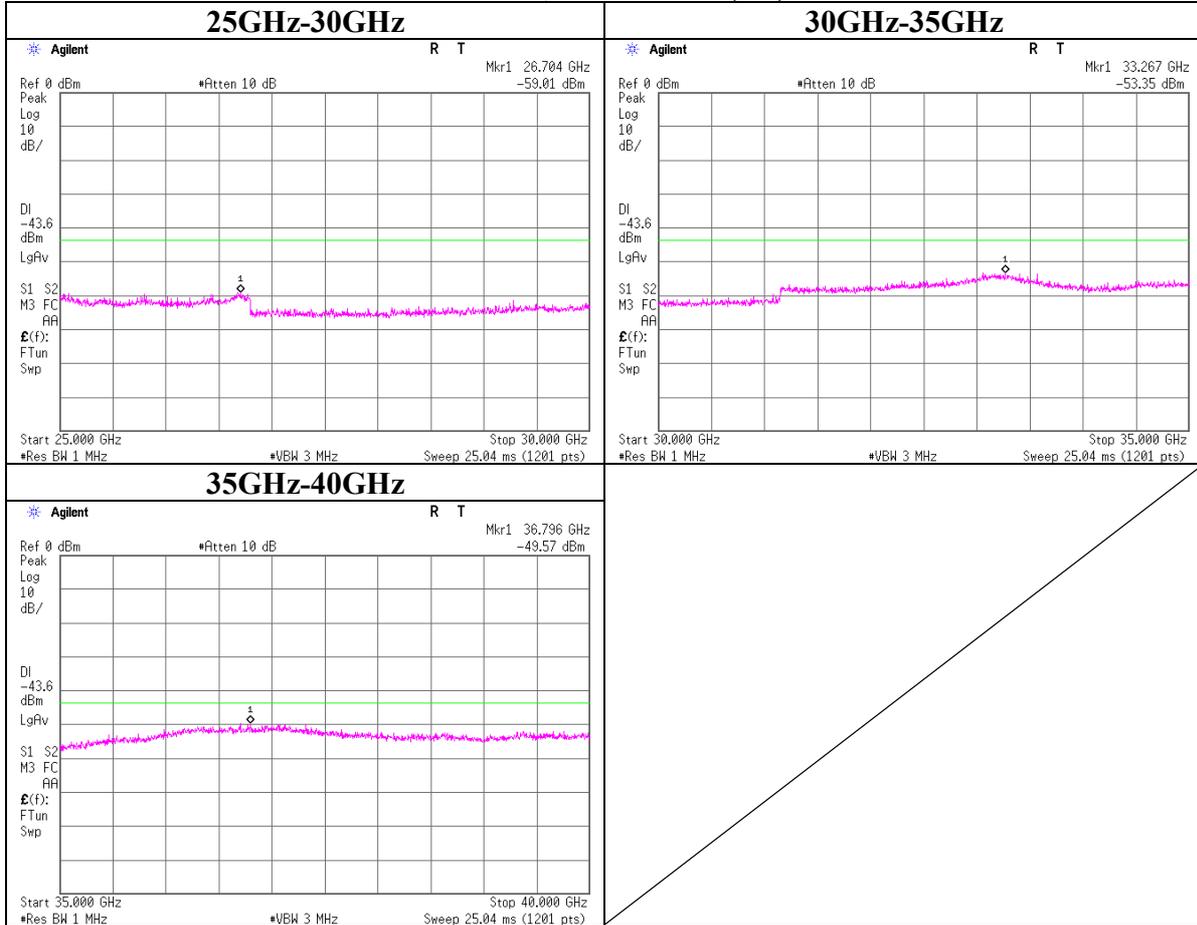
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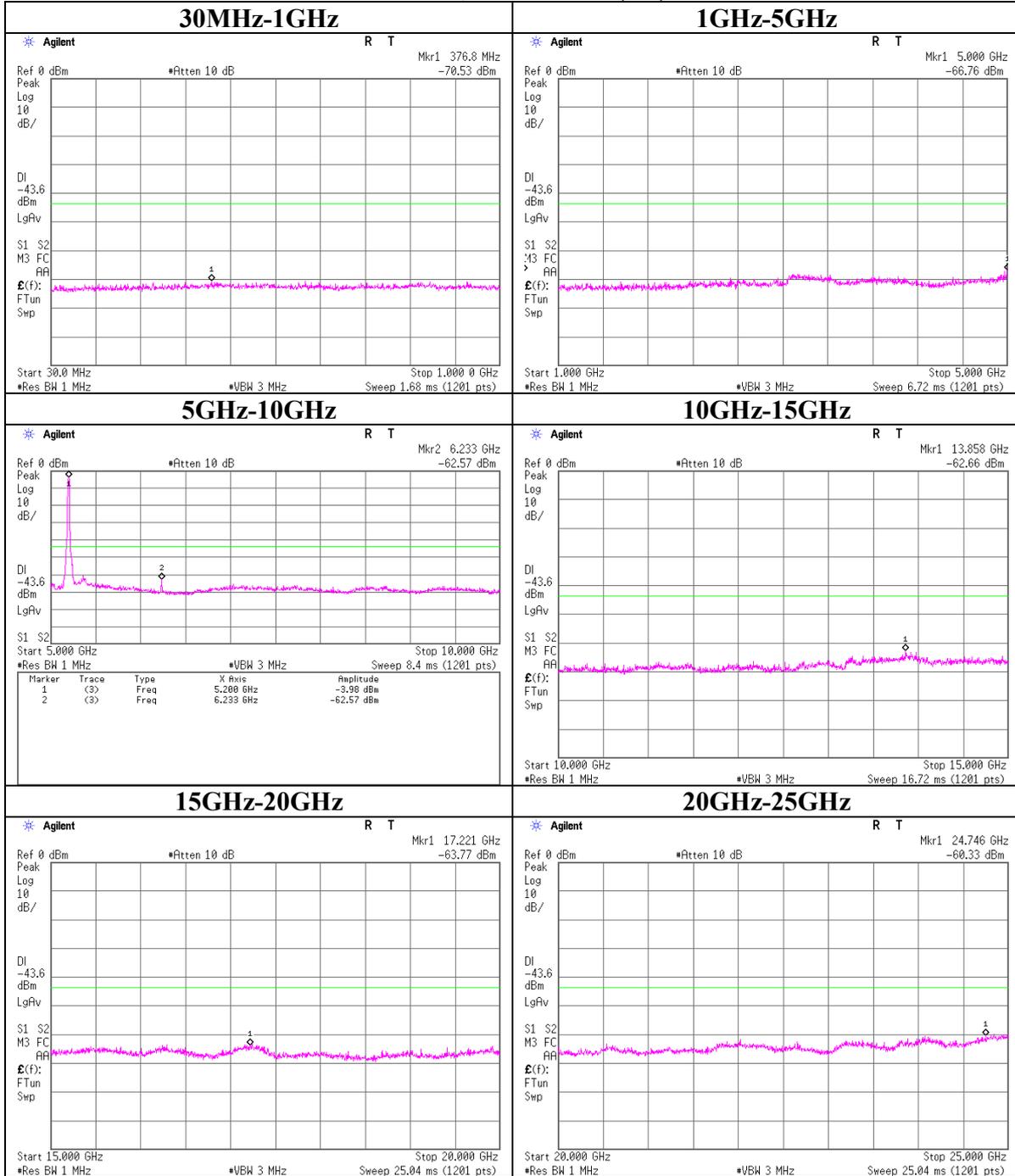
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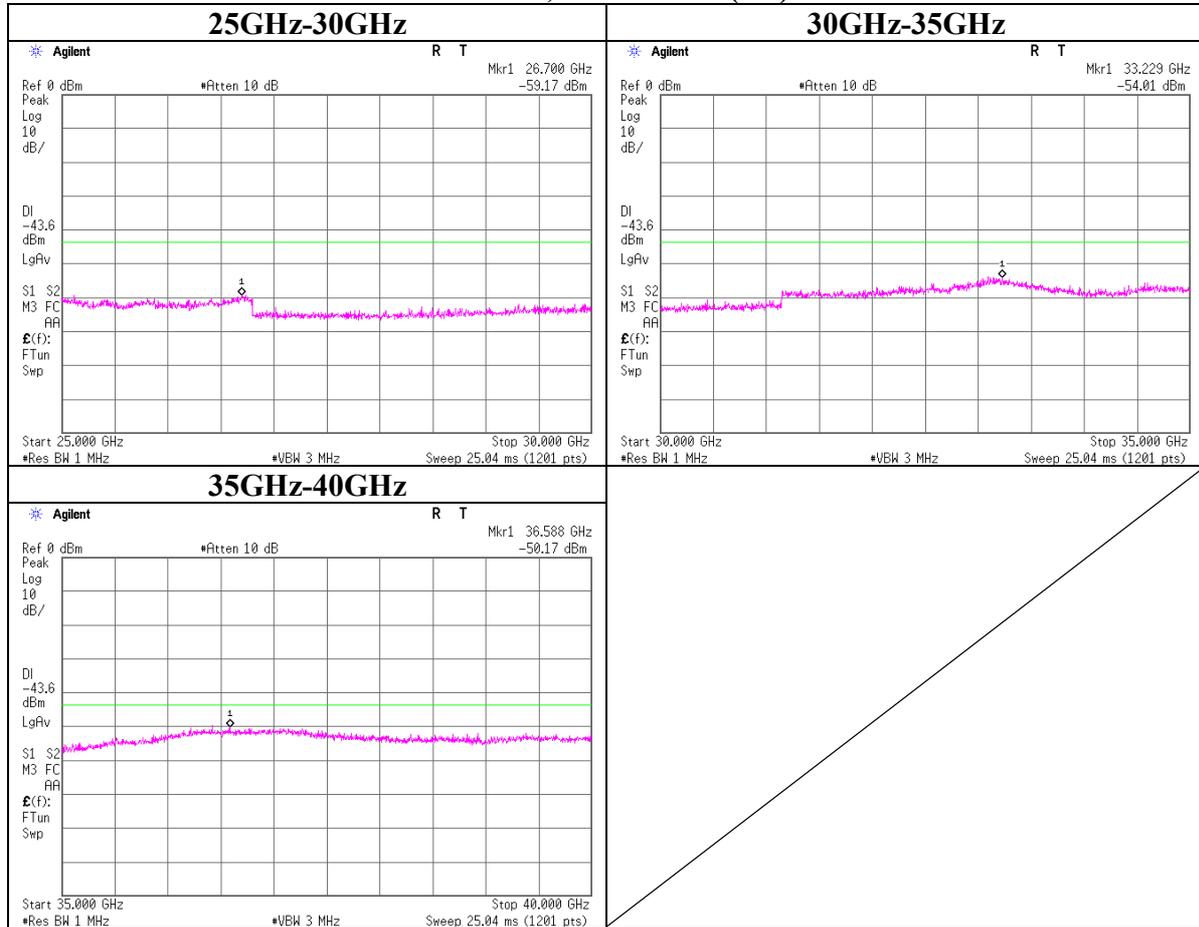
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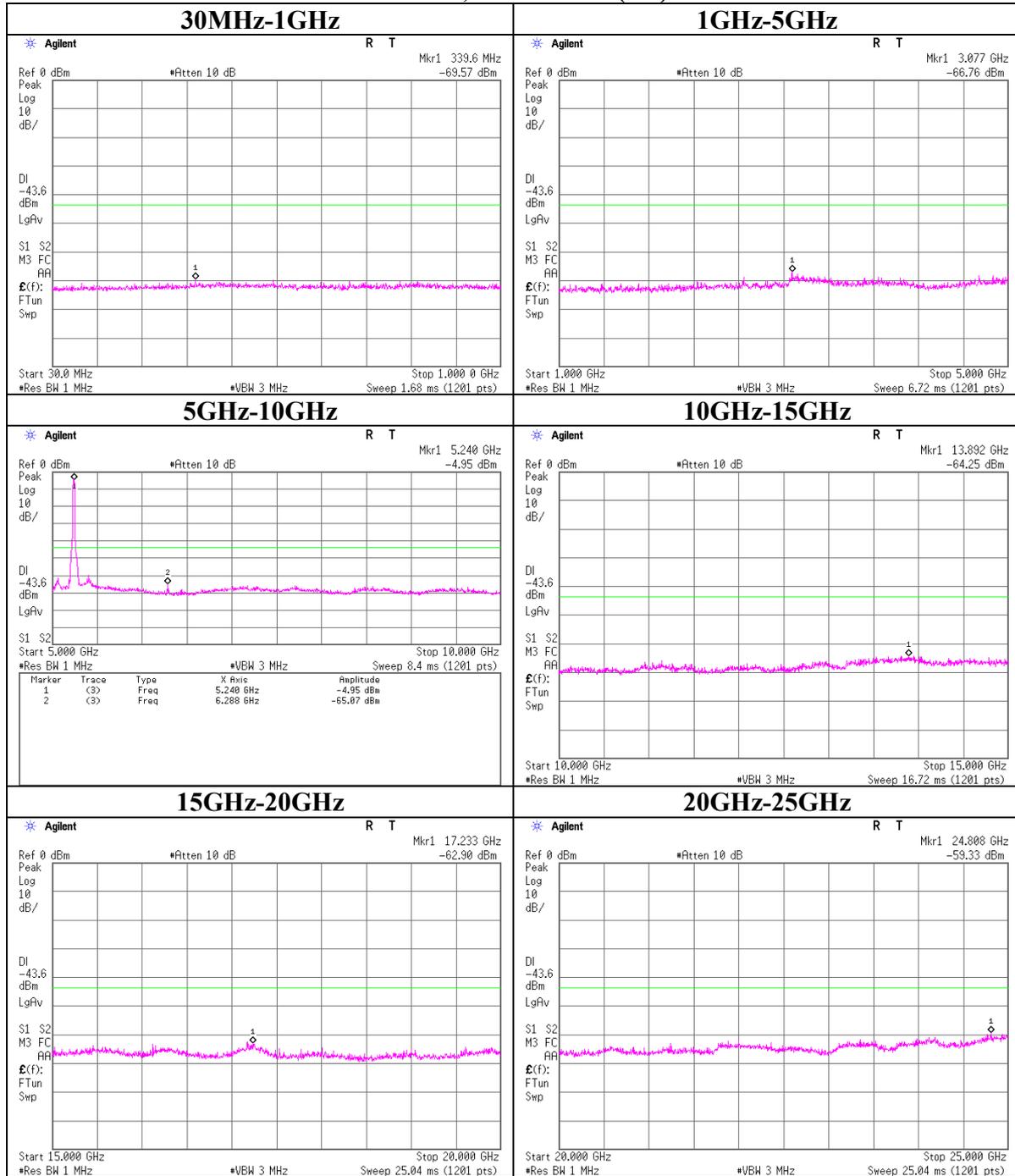
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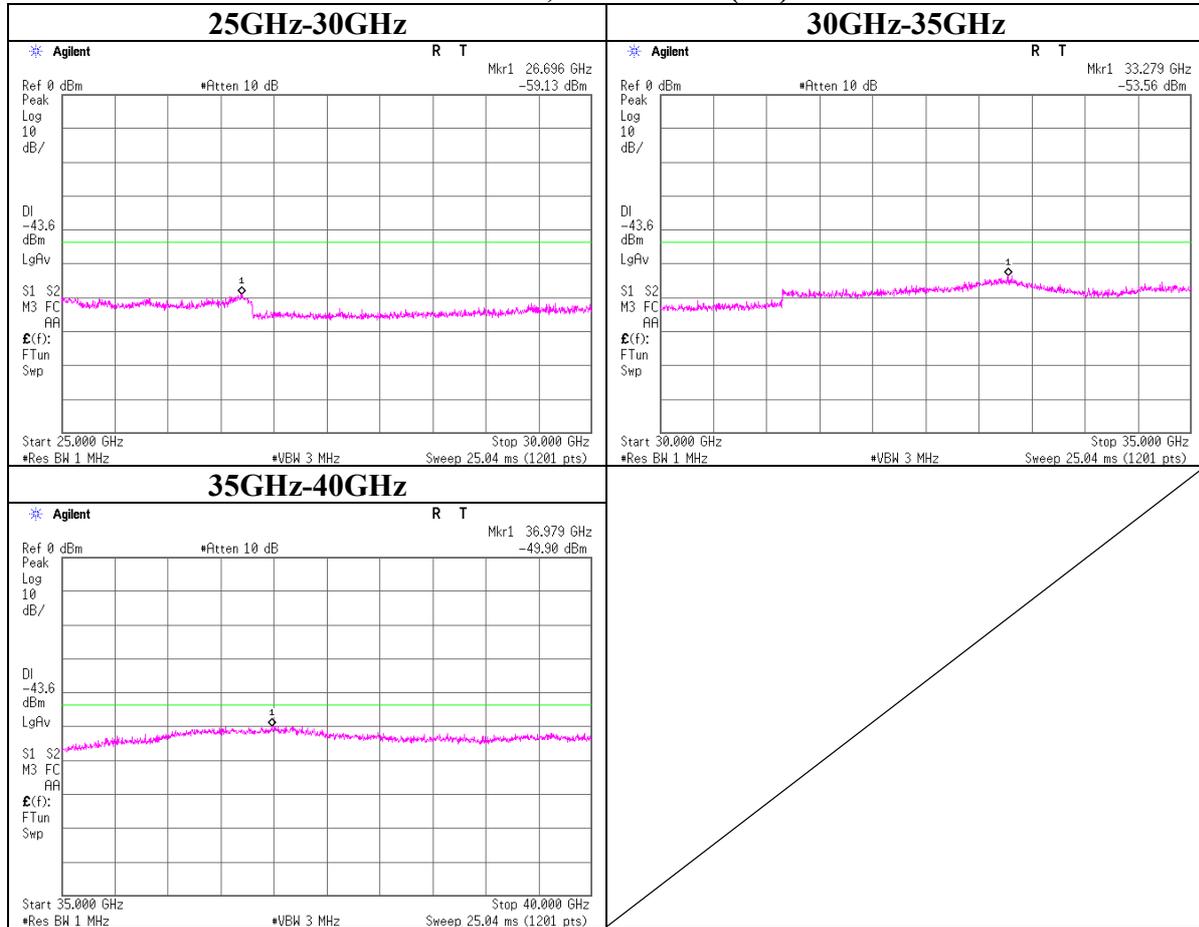
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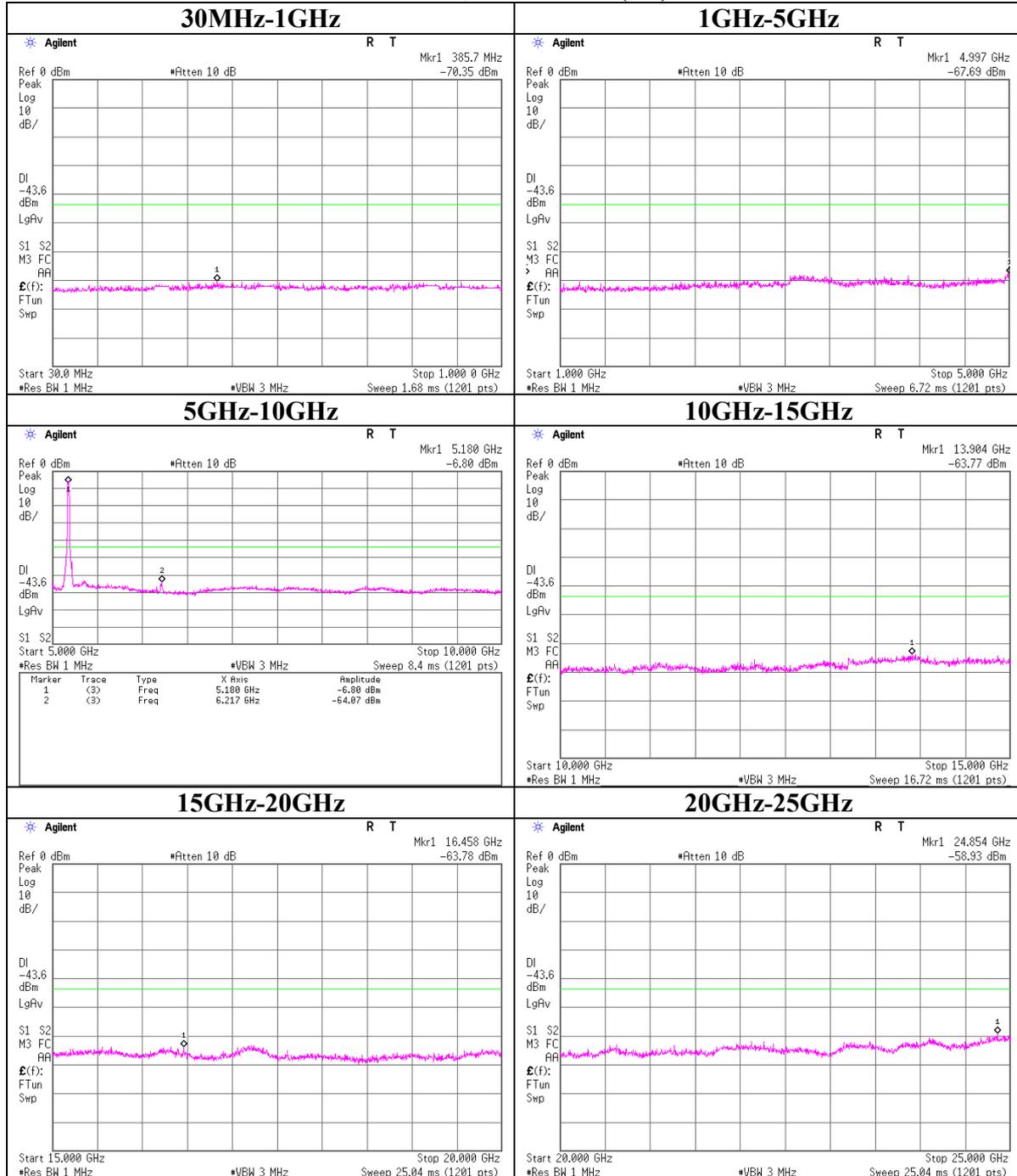
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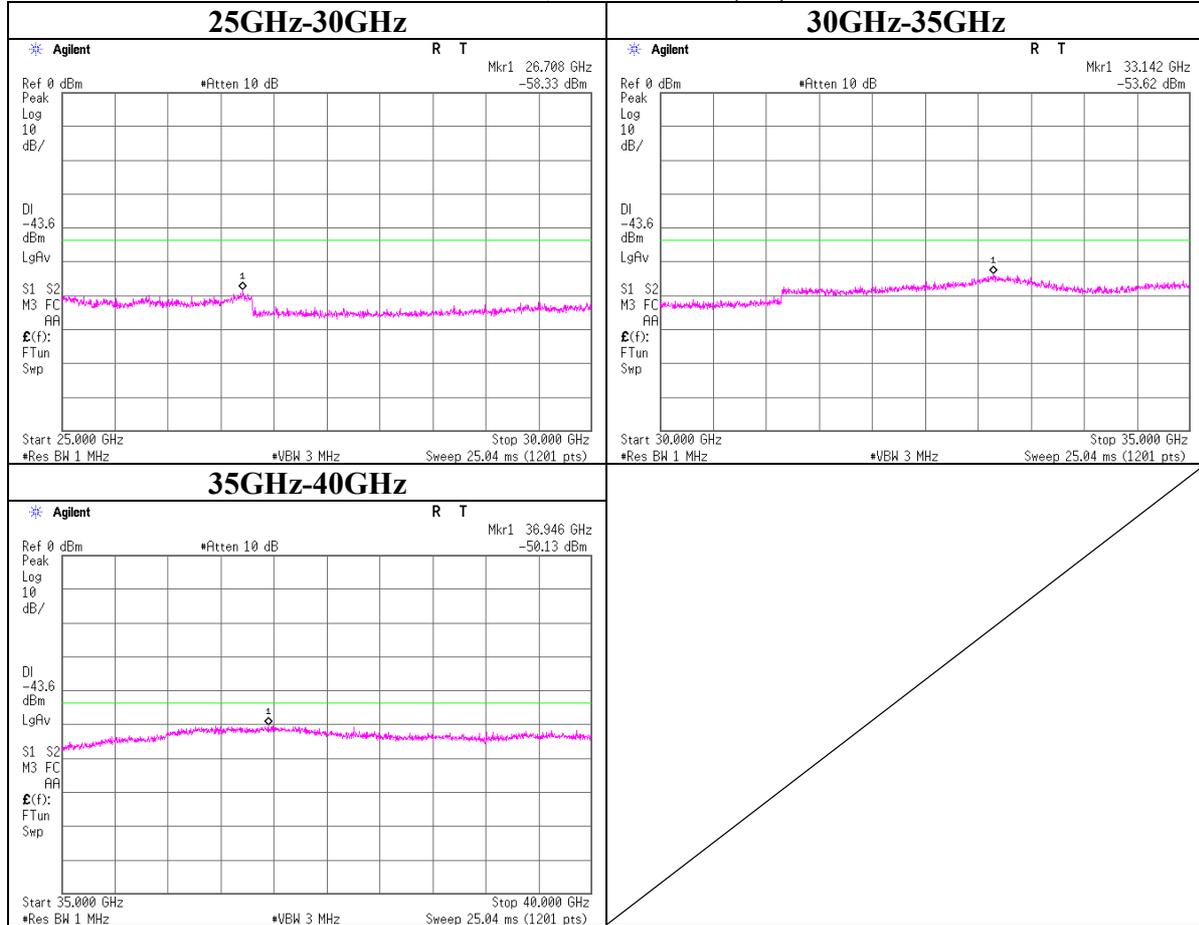
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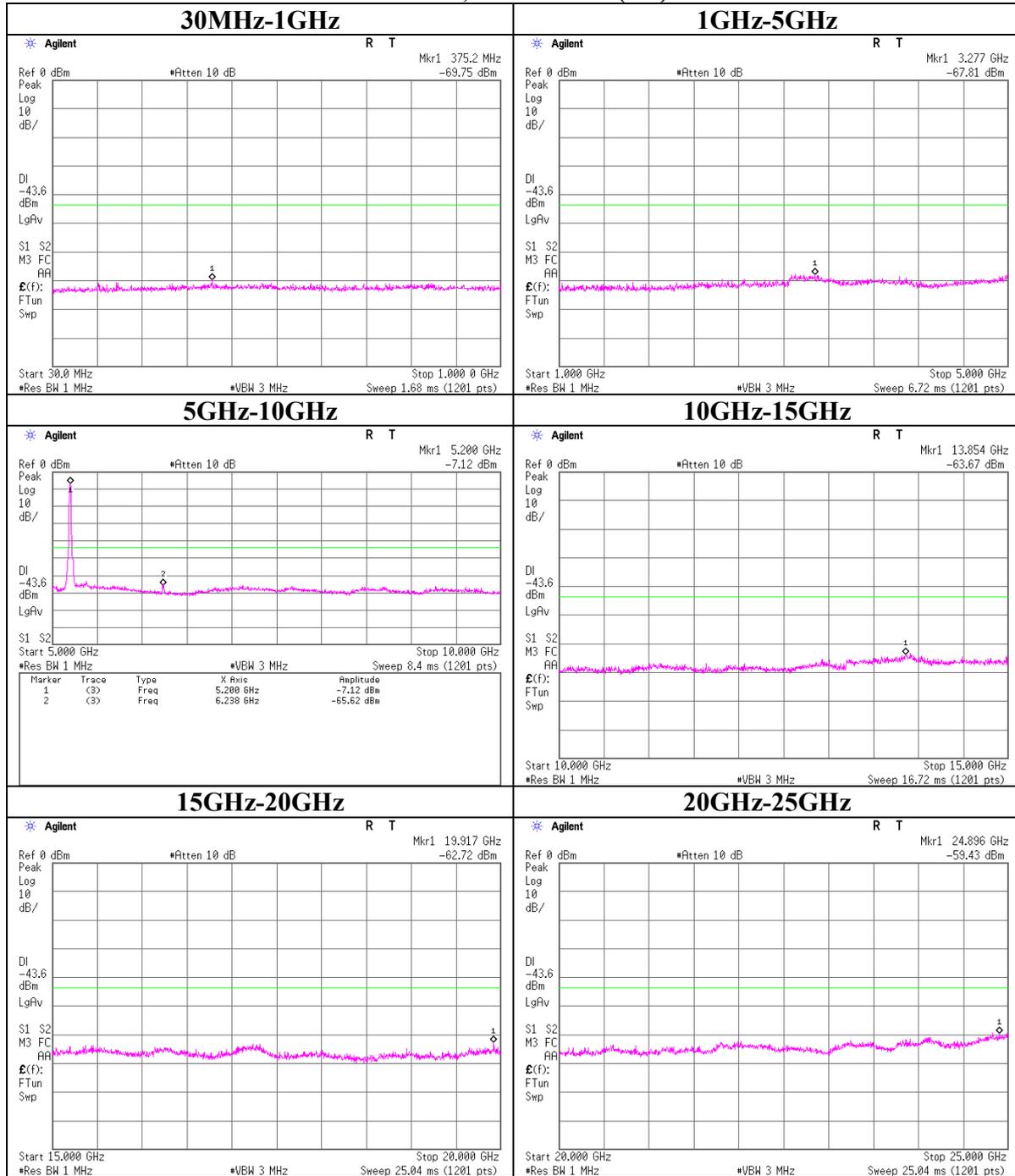
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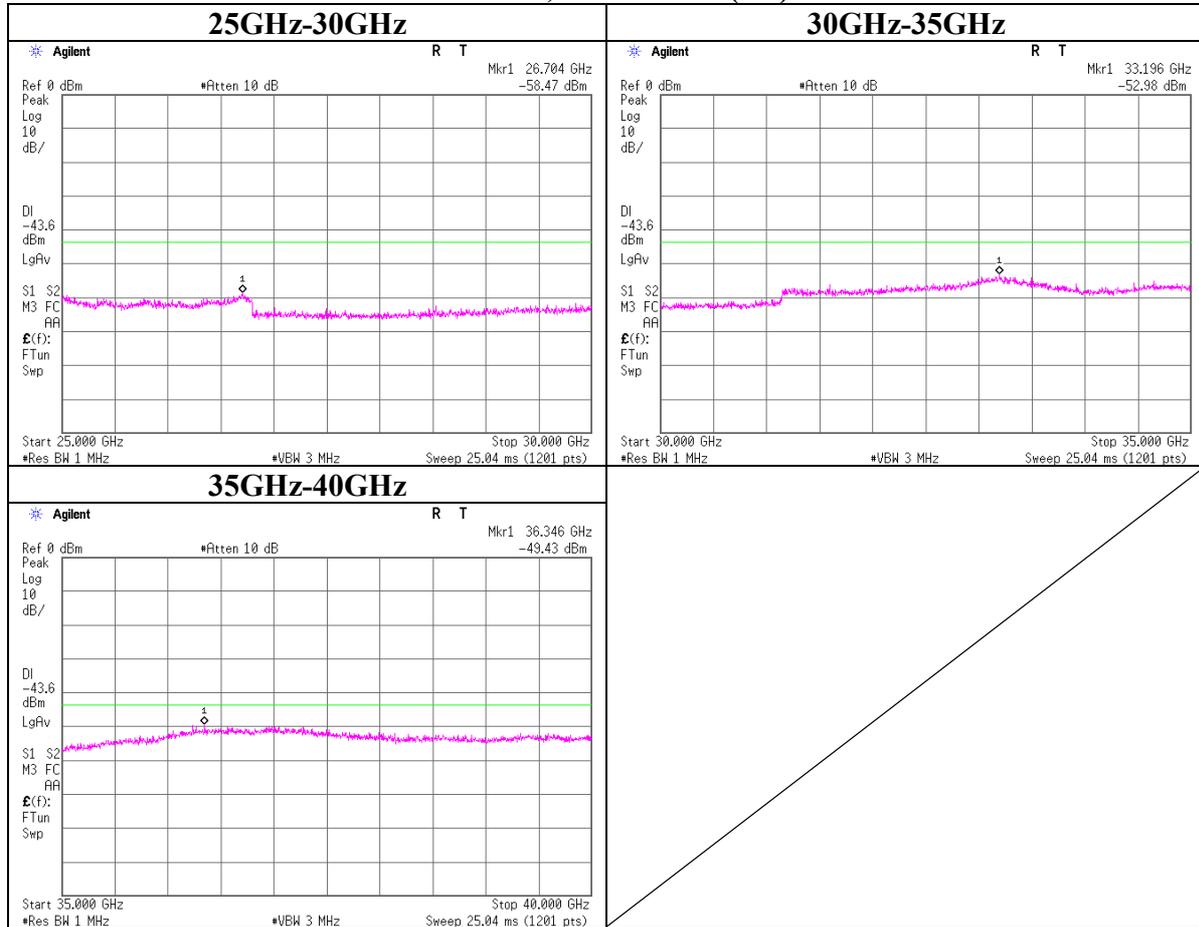
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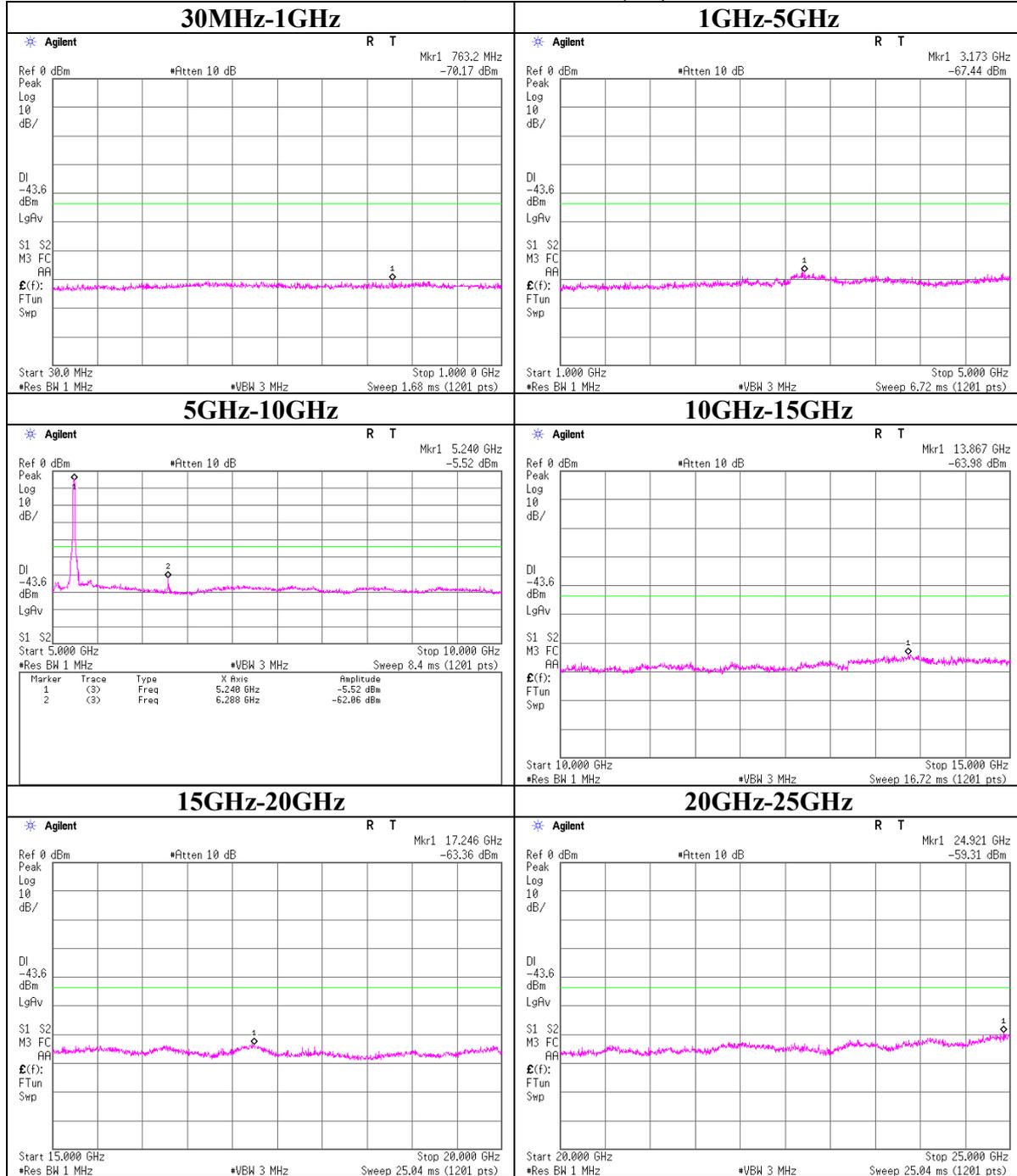
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Ant3,Tx 5200MHz(1/2)



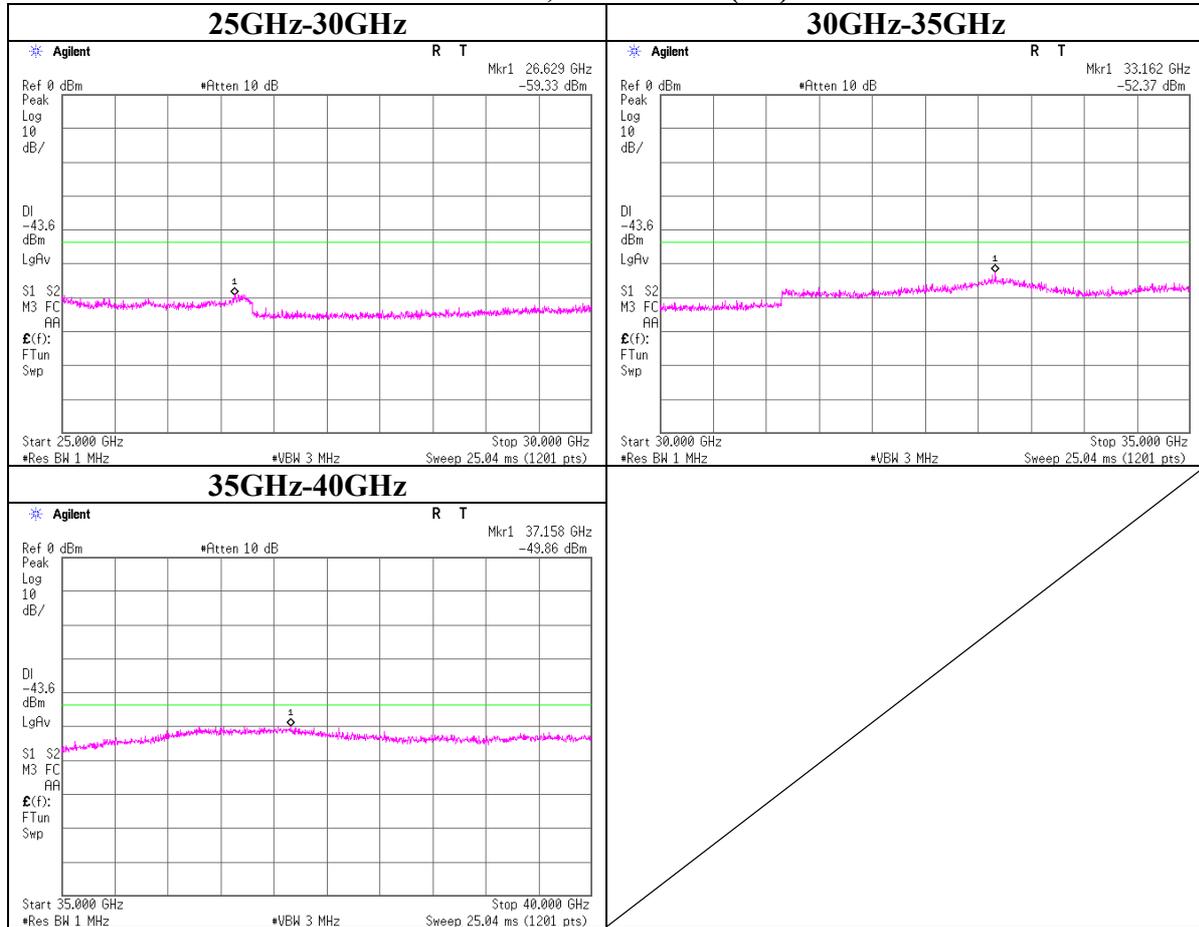
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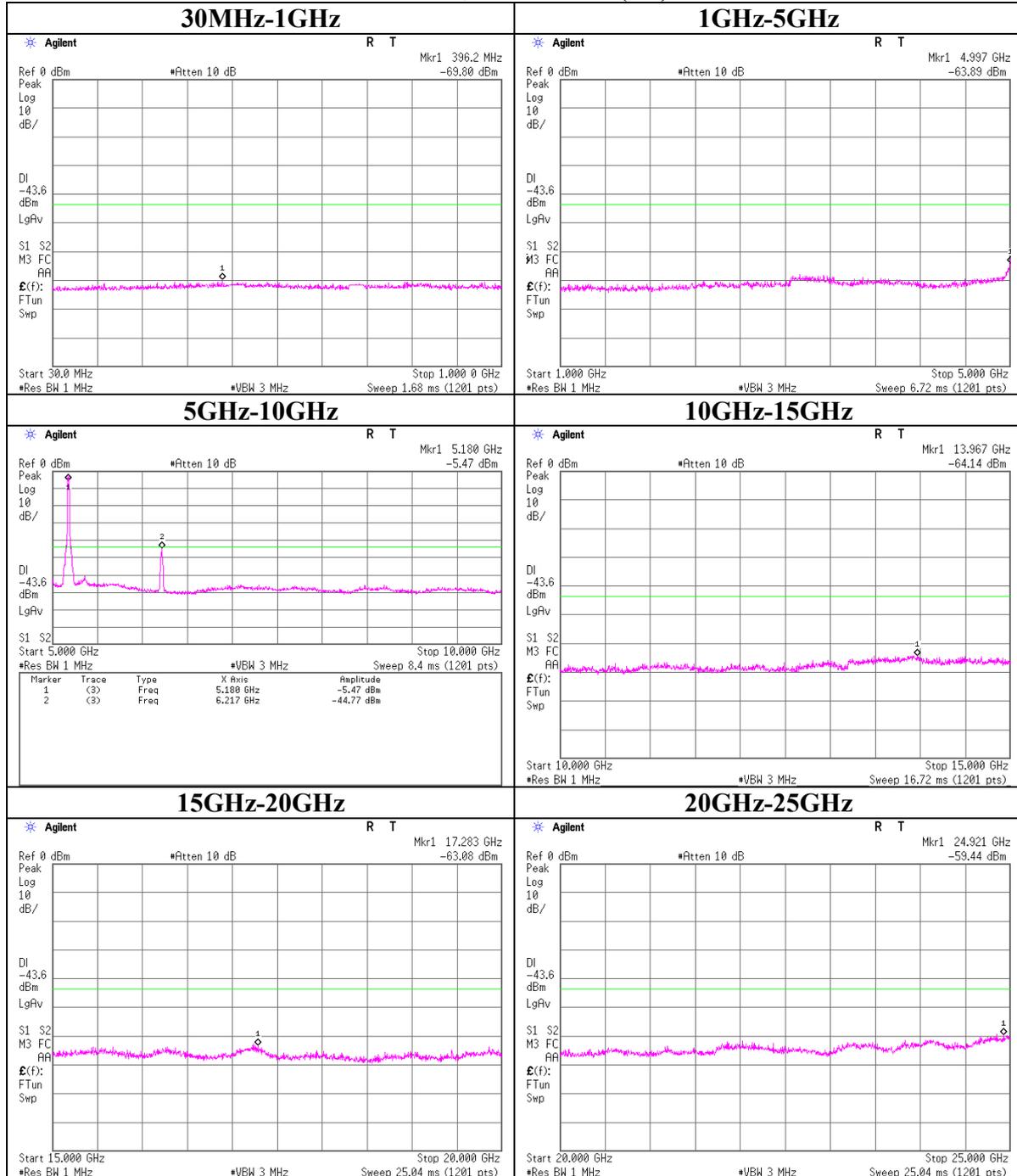
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Ant3,Tx 5240MHz(1/2)



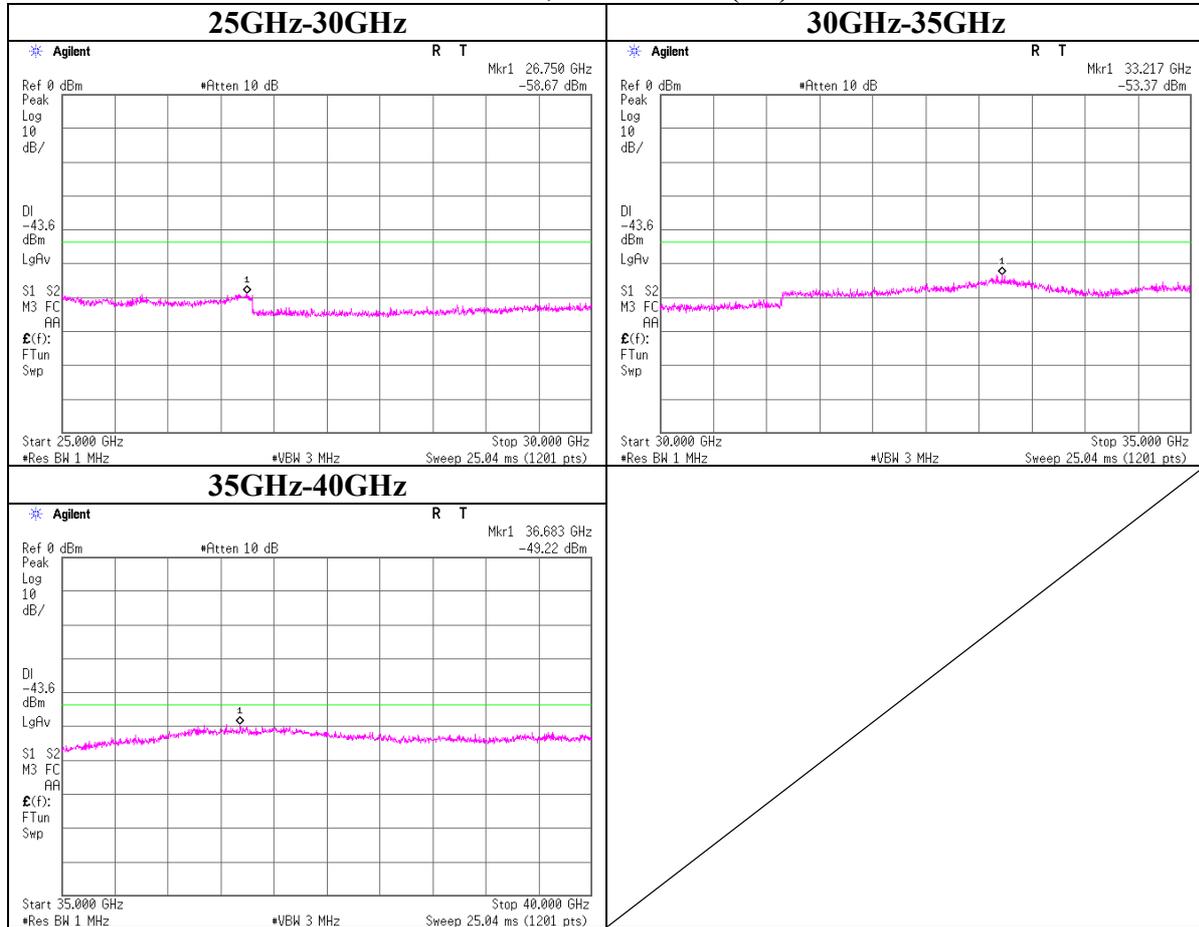
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Ant3,Tx 5240MHz(2/2)



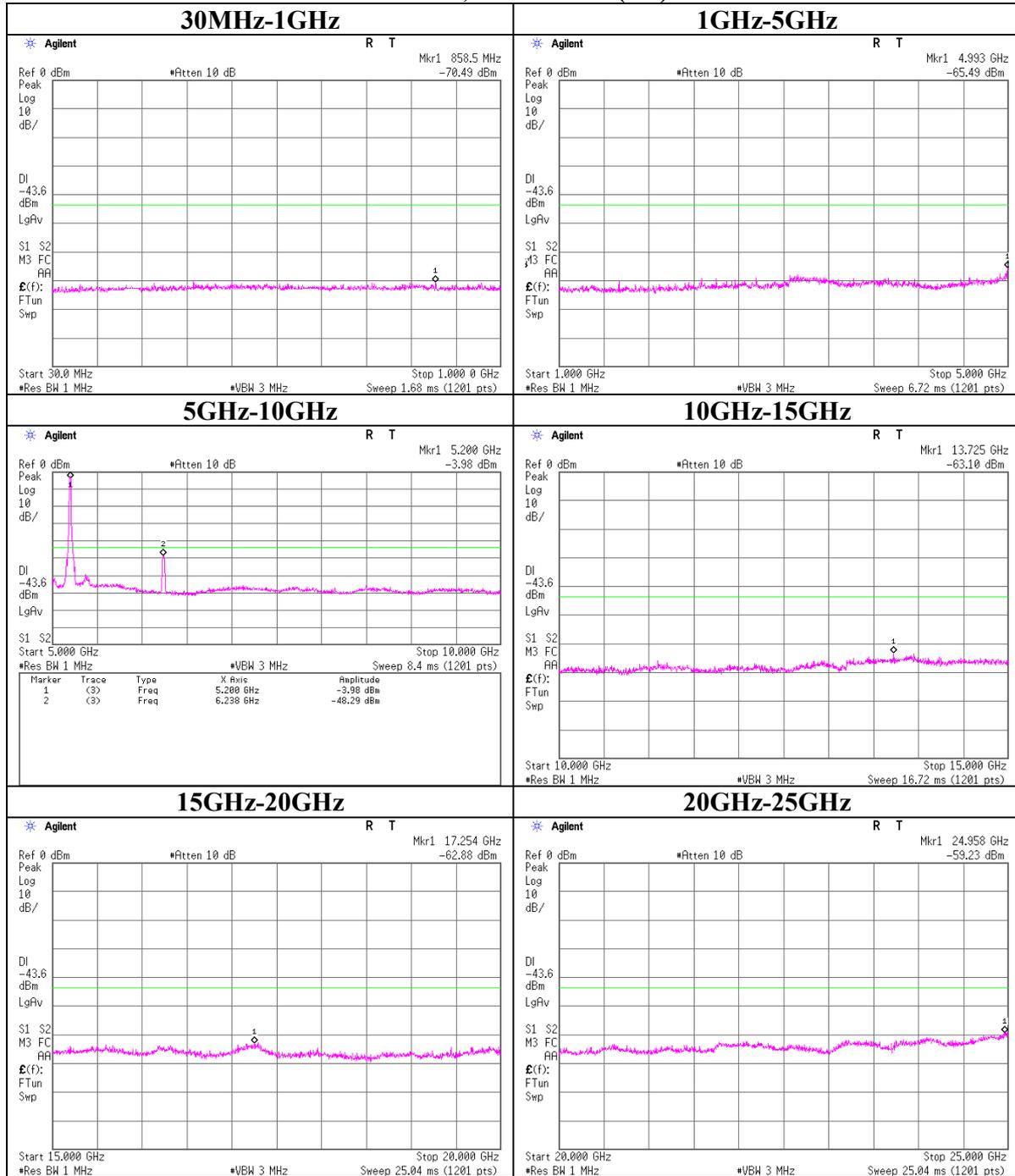
Conducted Spurious Emission
Ant4,Tx 5180MHz(1/2)



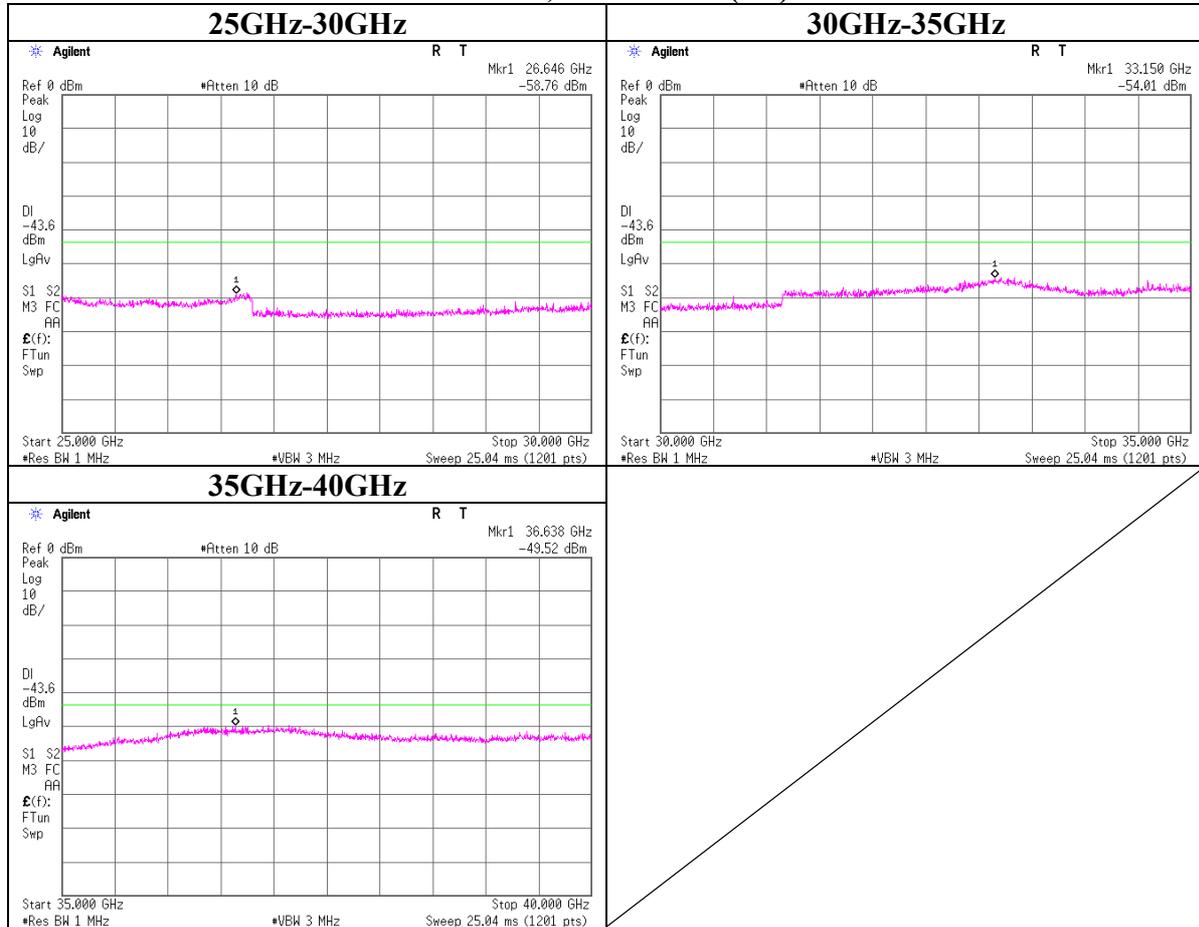
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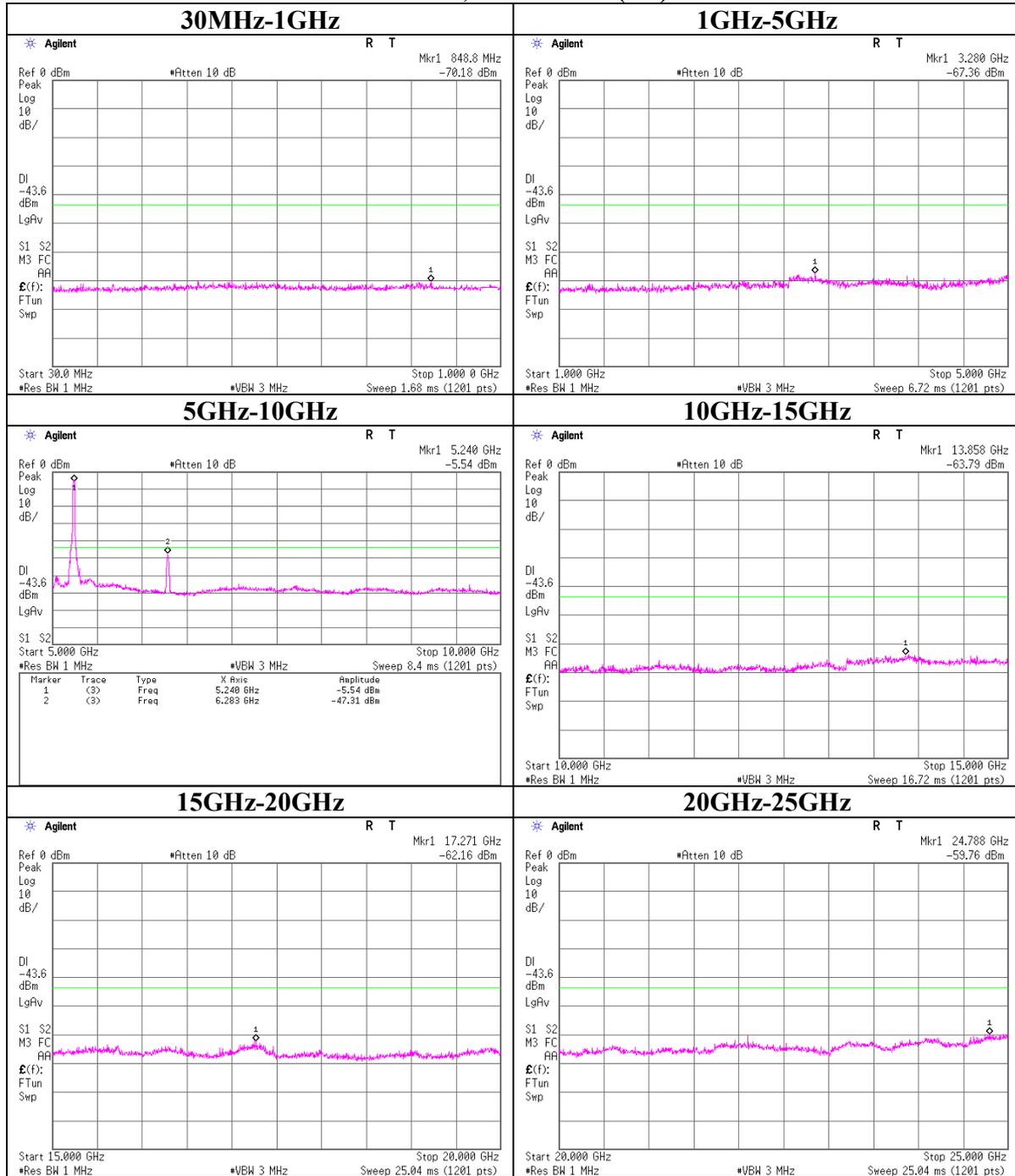
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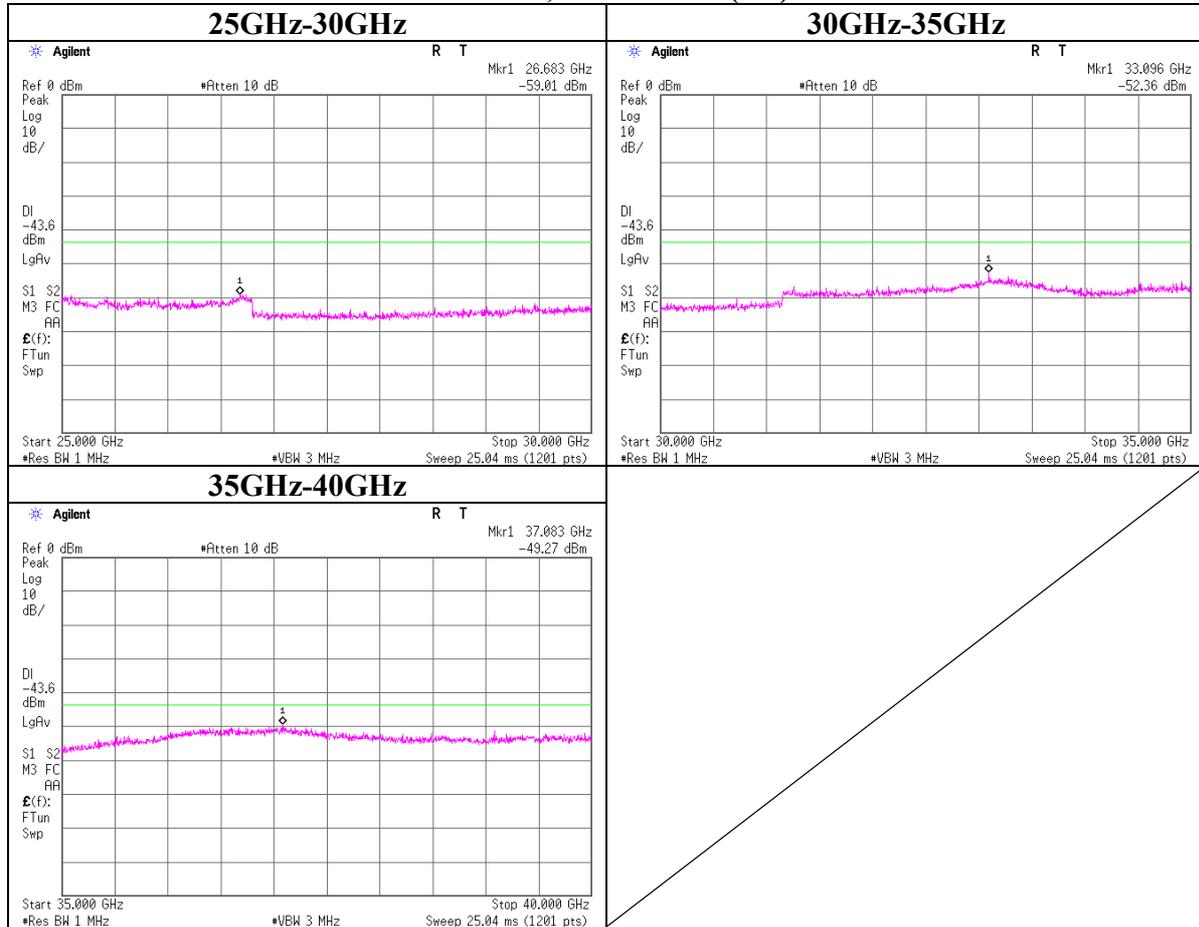
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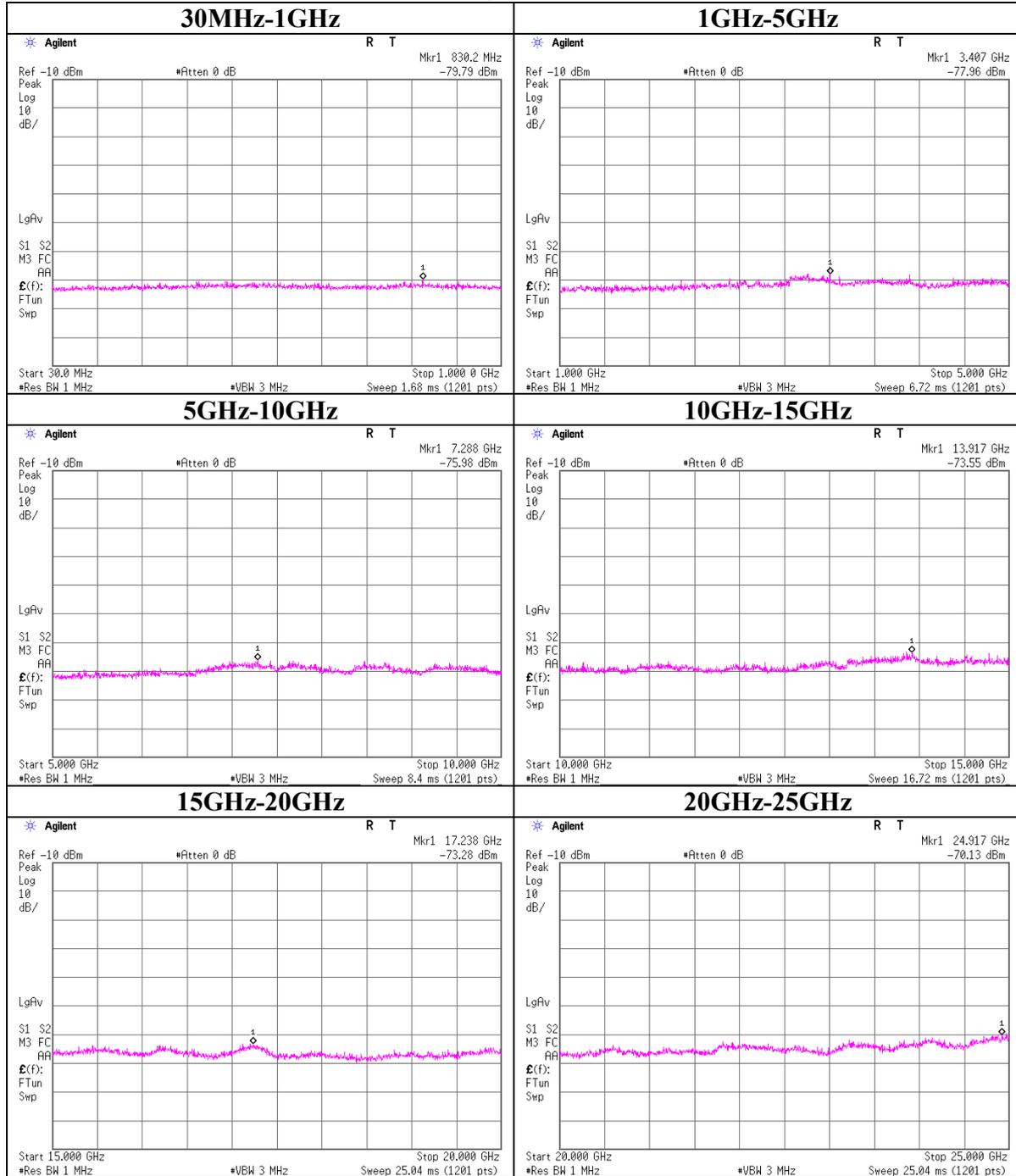
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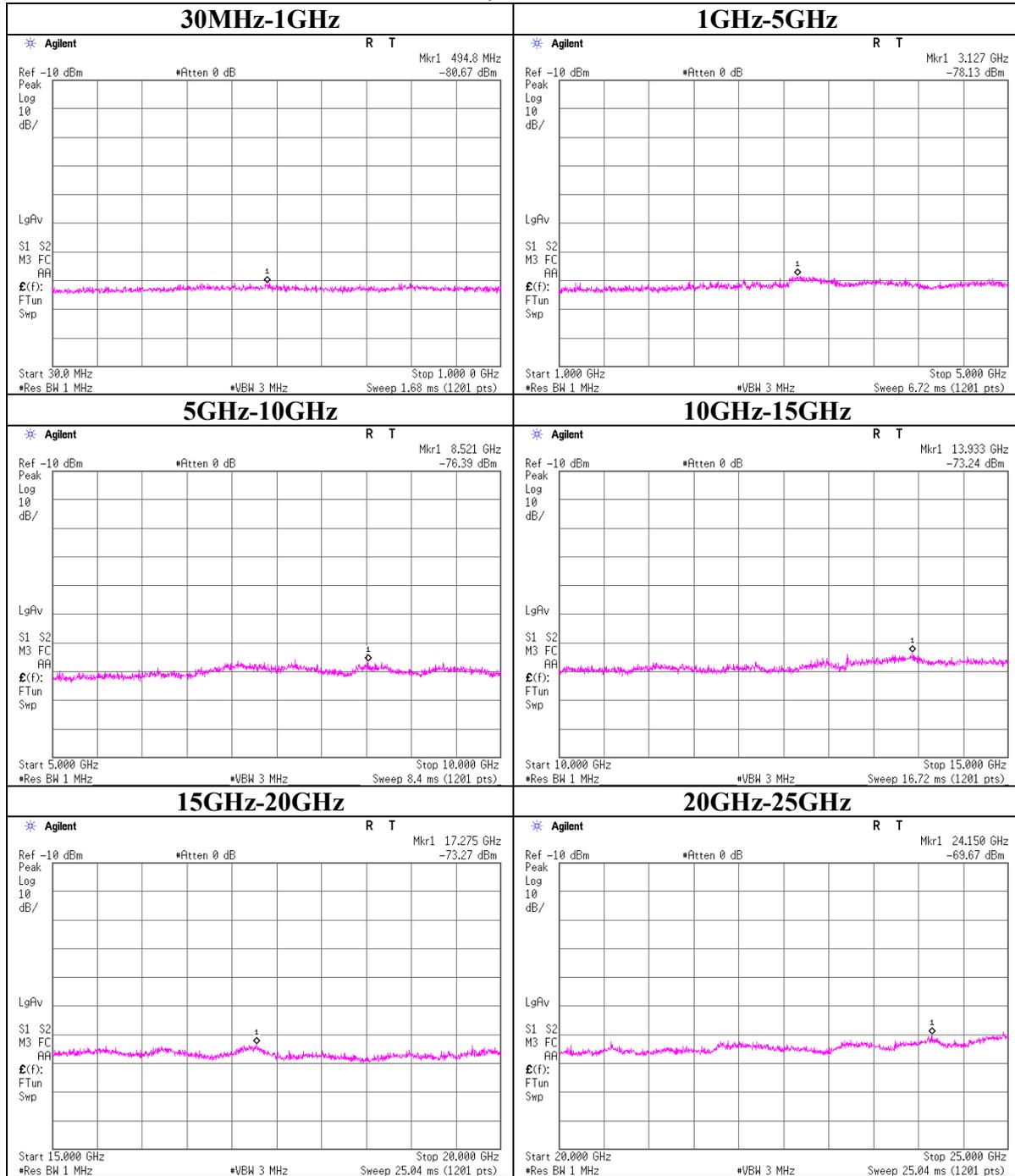
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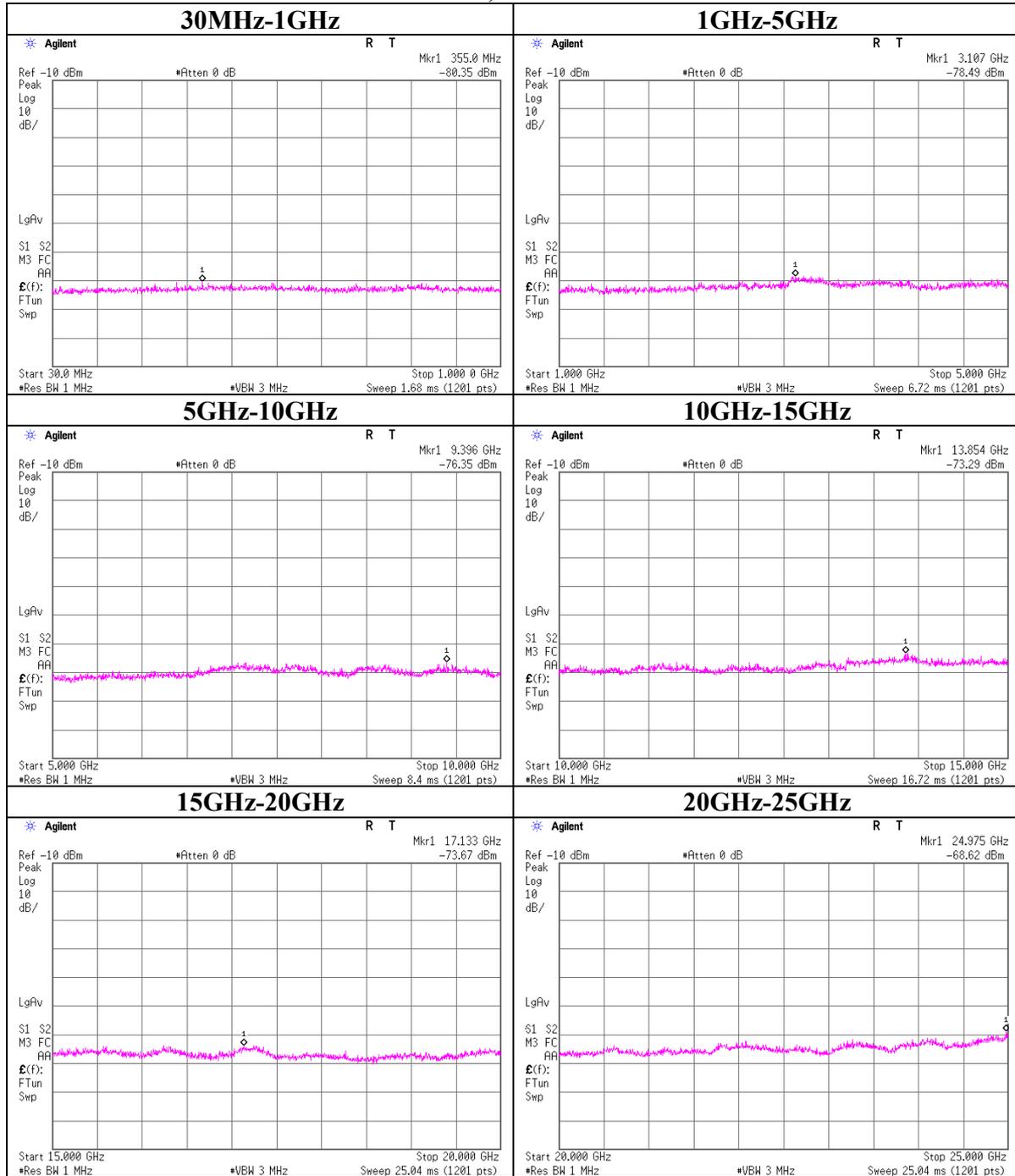
Conducted Spurious Emission
Ant1,Rx 5200MHz



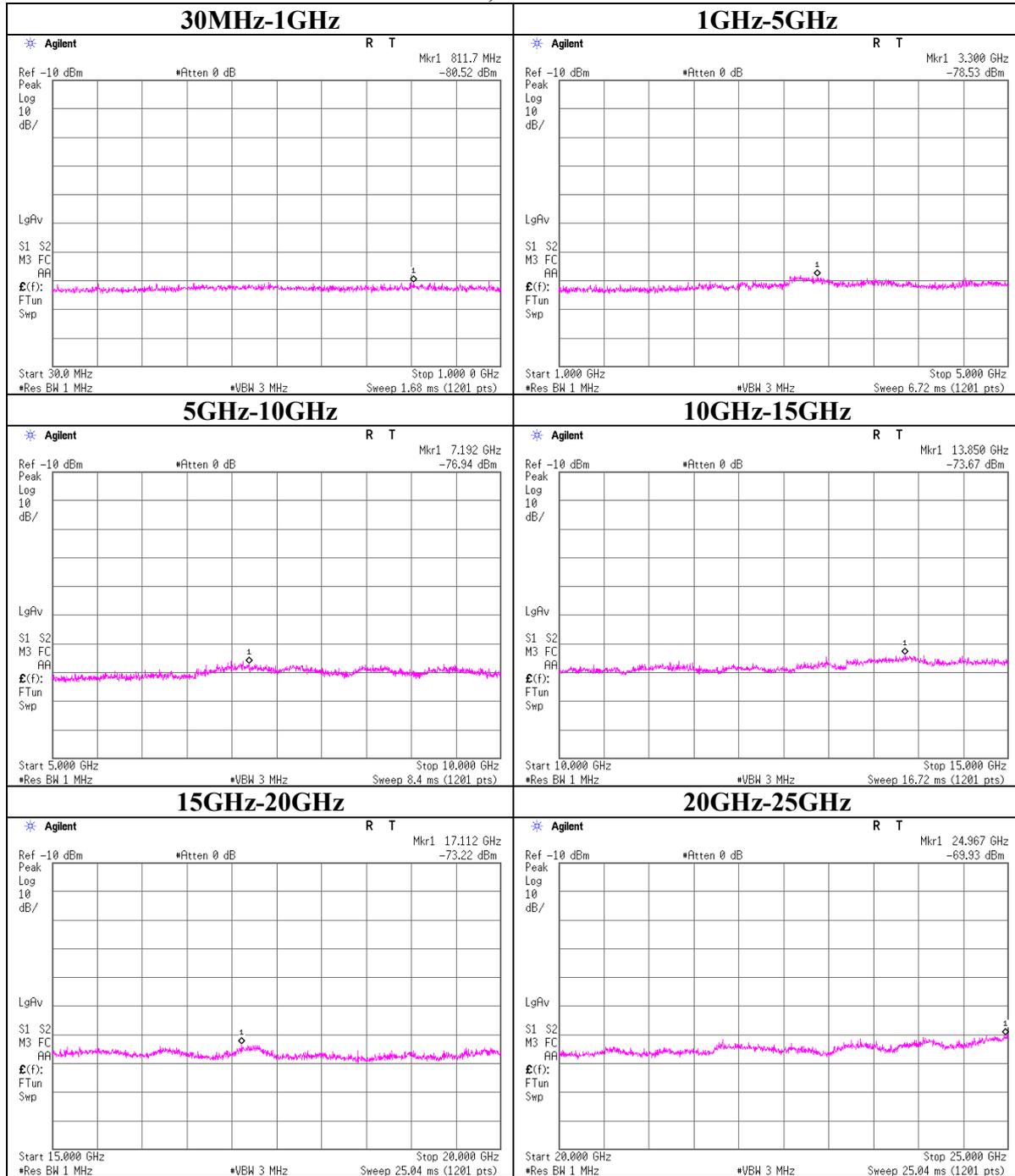
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Ant2,Rx 5200MHz



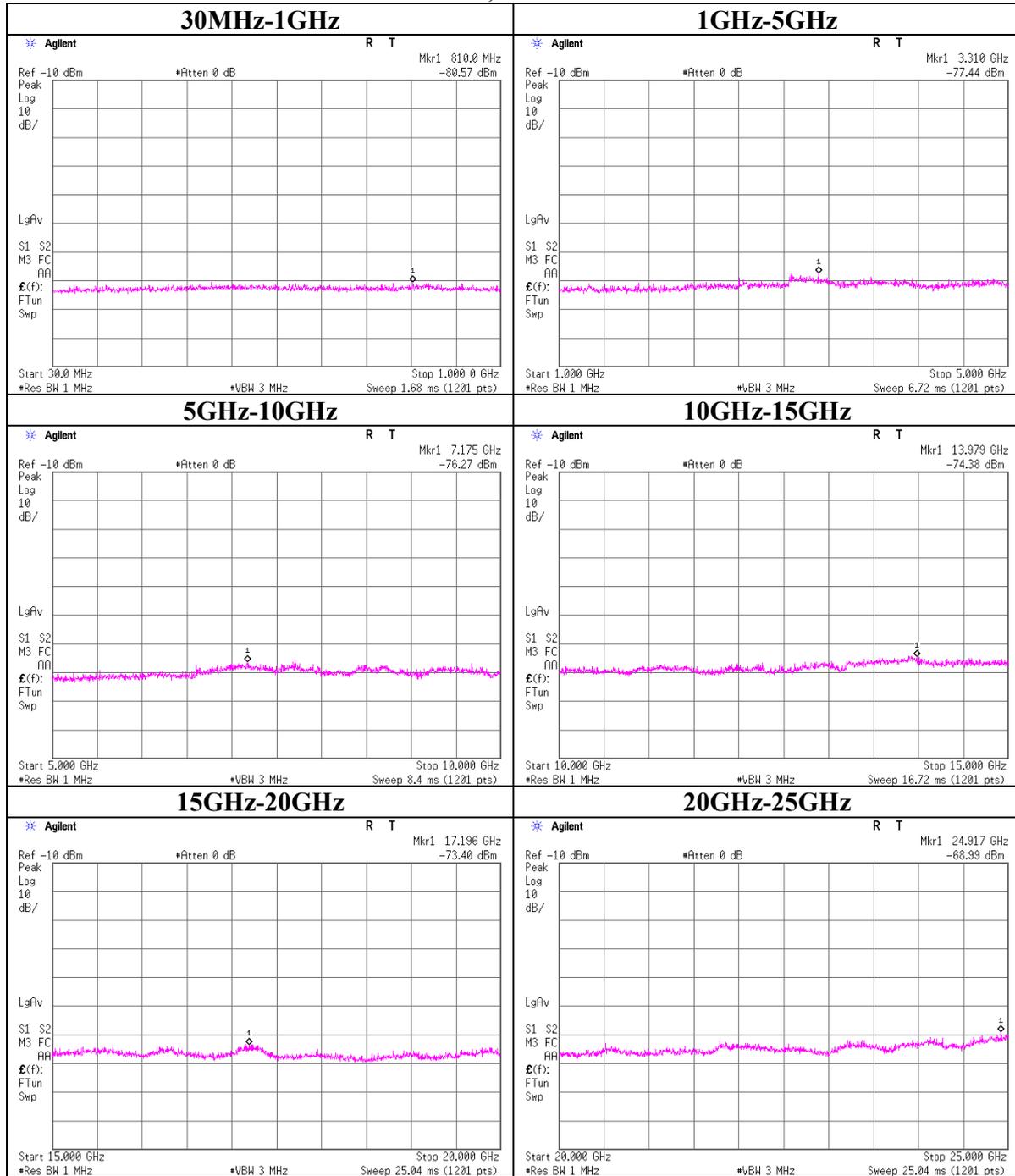
Conducted Spurious Emission
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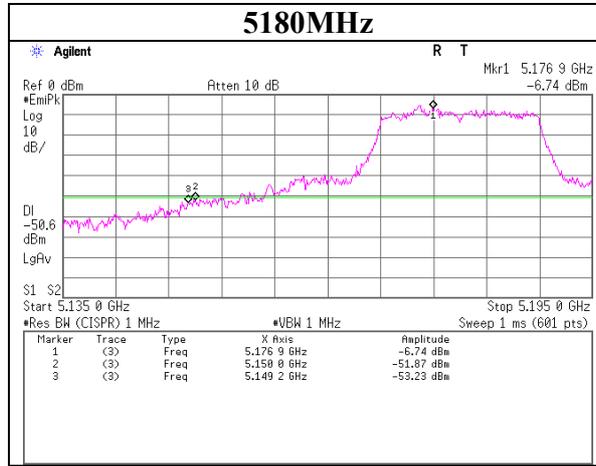
Conducted Spurious Emission
Ant4,Rx 5200MHz



Conducted Spurious Emission
Ant5,Rx 5200MHz



Conducted emission Band Edge compliance



Display Line = -27dBm - Cable Loss - ATT.Loss - Ant.Gain - Combiner Loss

Peak Power Spectral Density

	UL Japan, Inc	
	Head Office EMC Lab. No.6 measurement room	
Company	Sony Corporation	Regulation
Equipment	Wireless Link	FCC Part15 Subpart E 15.407(a)(1) / RSS-210 A9.2(1)
Model	DMX-WLIT (Transmitter Unit)	Test Distance
S/N	11	-
Power	AC 120V / 60Hz	Date
Mode	WHDI Tx	06/24/2008
		Temperature
		22deg.C.
		Humidity
		61%
		Engineer
		Kazufumi Nakai

Ant1 + Ant2 + Ant3 + Ant4

[MHz]	Ant1	Ant2	Ant3	Ant4	Result		Limit		Margin [dB]
	Result [mW]	Result [mW]	Result [mW]	Result [mW]	[dBm]	[mW]	[dBm]	[mW]	
5180.0	0.21	0.32	0.42	0.59	1.87	1.54	4.00	2.51	2.13
5200.0	0.26	0.40	0.51	0.72	2.76	1.89	4.00	2.51	1.24
5240.0	0.31	0.50	0.67	0.74	3.46	2.22	4.00	2.51	0.54

Sample Calculation:

$$\text{Ant1} + \text{Ant2} + \text{Ant3} + \text{Ant4 Result [mW]} = \text{Ant1 Result [mW]} + \text{Ant2 Result [mW]} + \text{Ant3 Result [mW]} + \text{Ant4 Result [mW]}$$

$$\text{Ant1} + \text{Ant2} + \text{Ant3} + \text{Ant4 Result [dBm]} = 10 \times \log (\text{Ant1} + \text{Ant2} + \text{Ant3} + \text{Ant4 Result [mW]})$$

Ant1

[MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
5180.0	-18.47	1.66	10.06	-6.75	0.21	4.00	2.51	10.75
5200.0	-17.62	1.66	10.06	-5.90	0.26	4.00	2.51	9.90
5240.0	-16.83	1.66	10.07	-5.10	0.31	4.00	2.51	9.10

Ant2

[MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
5180.0	-16.67	1.66	10.06	-4.95	0.32	4.00	2.51	8.95
5200.0	-15.68	1.66	10.06	-3.96	0.40	4.00	2.51	7.96
5240.0	-14.75	1.66	10.07	-3.02	0.50	4.00	2.51	7.02

Ant3

[MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
5180.0	-15.52	1.66	10.06	-3.80	0.42	4.00	2.51	7.80
5200.0	-14.62	1.66	10.06	-2.90	0.51	4.00	2.51	6.90
5240.0	-13.49	1.66	10.07	-1.76	0.67	4.00	2.51	5.76

Ant4

[MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
5180.0	-14.02	1.66	10.06	-2.30	0.59	4.00	2.51	6.30
5200.0	-13.17	1.66	10.06	-1.45	0.72	4.00	2.51	5.45
5240.0	-13.01	1.66	10.07	-1.28	0.74	4.00	2.51	5.28

Sample Calculation:

$$\text{Result [dBm]} = \text{S/A Reading} + \text{Cable Loss} + \text{Atten. Loss}$$

$$\text{Result [mW]} = 10^{(\text{Result [dBm]} / 10)}$$

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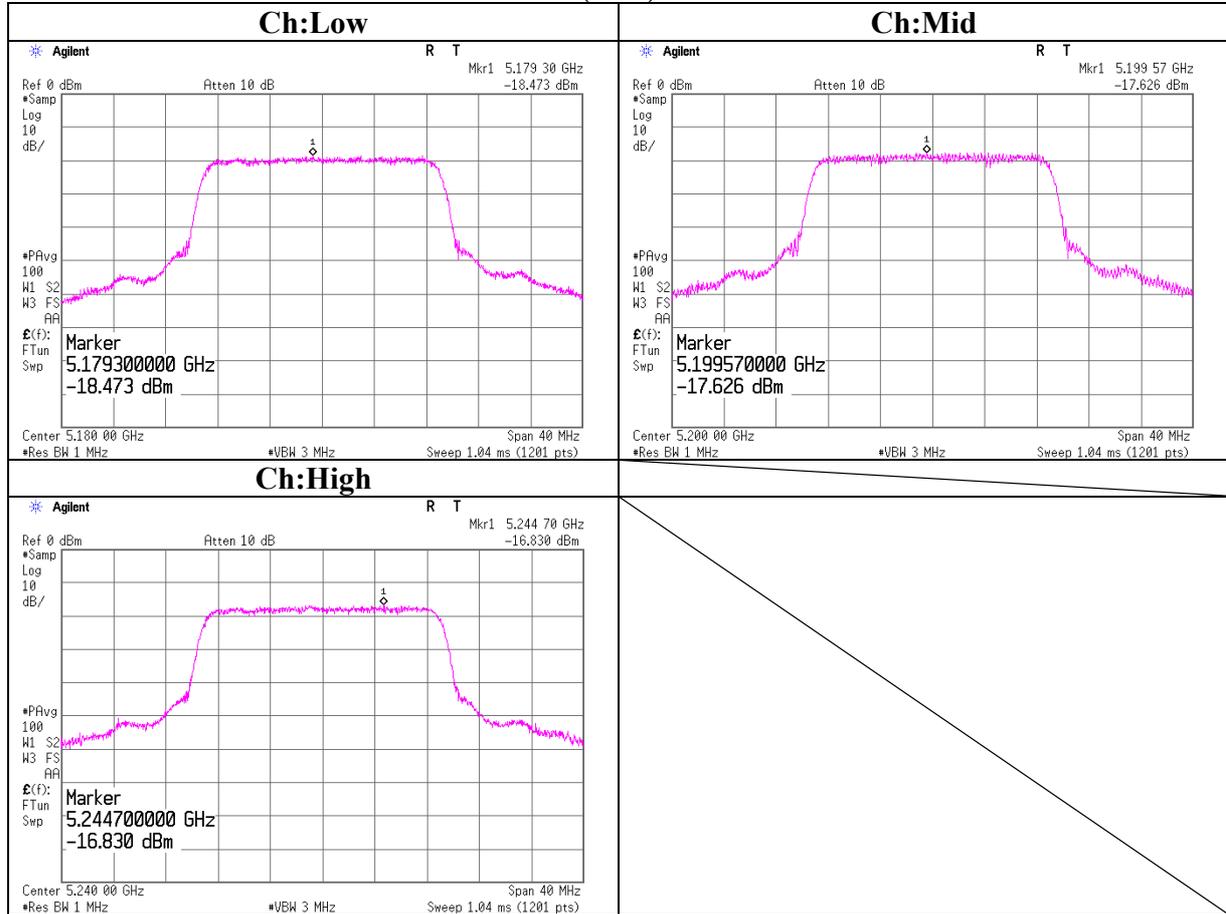
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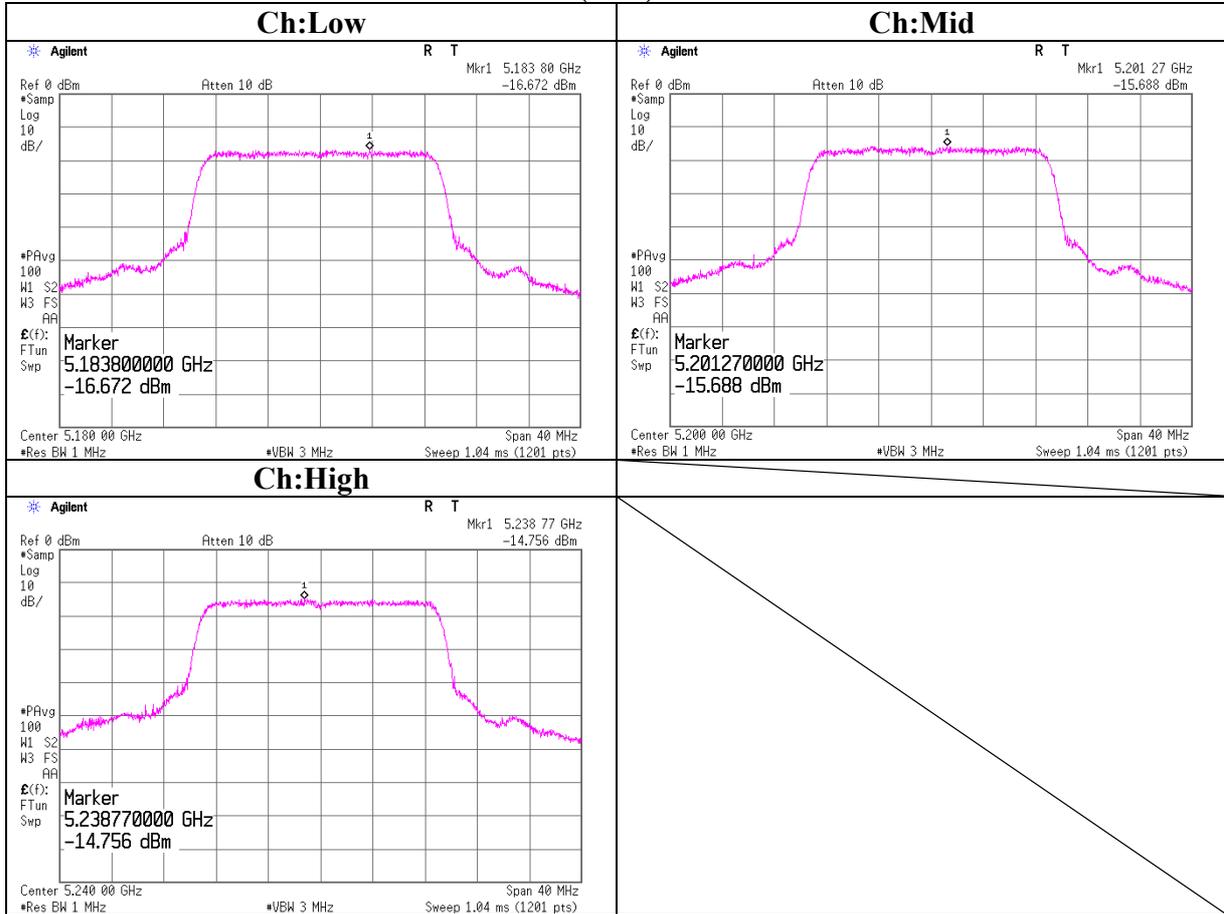
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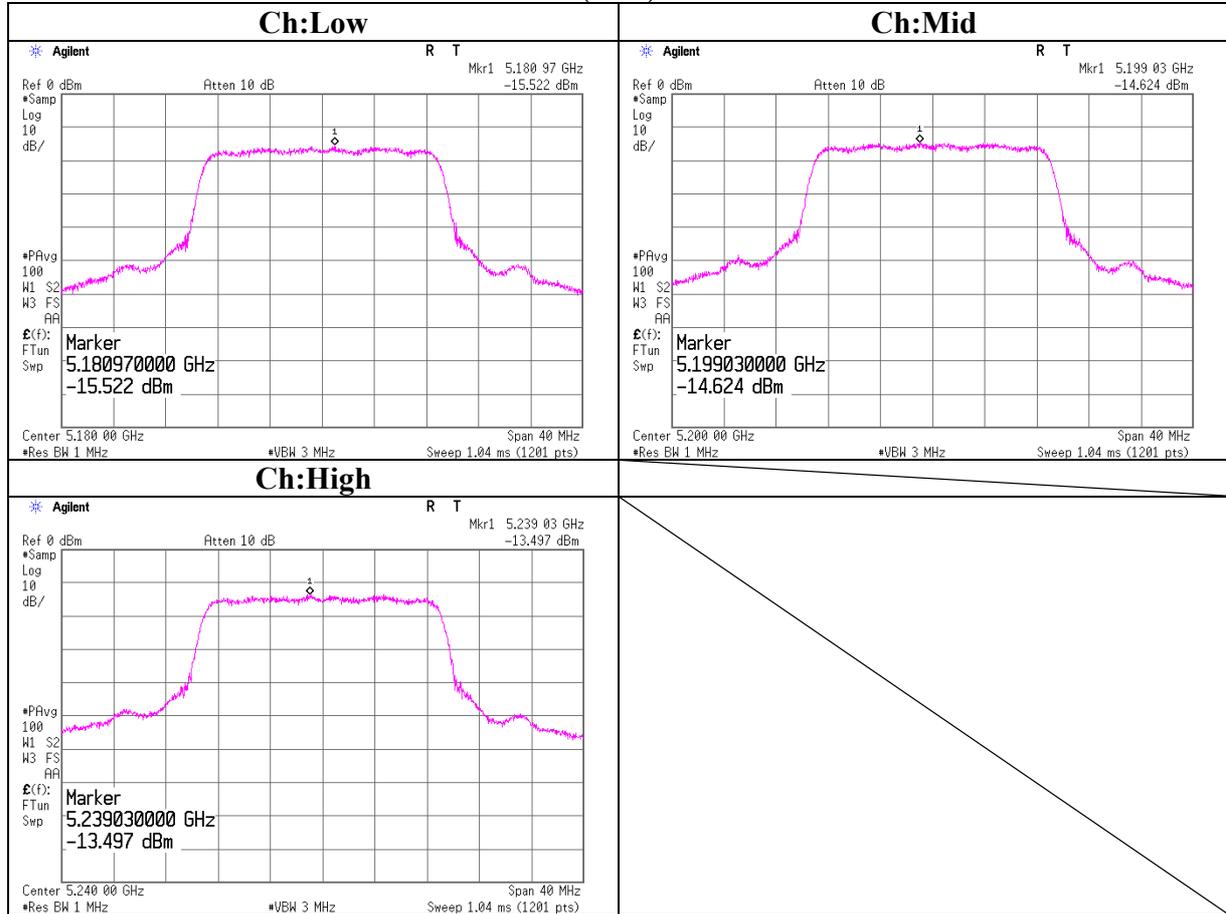
Peak Power Spectral Density
(Ant1)



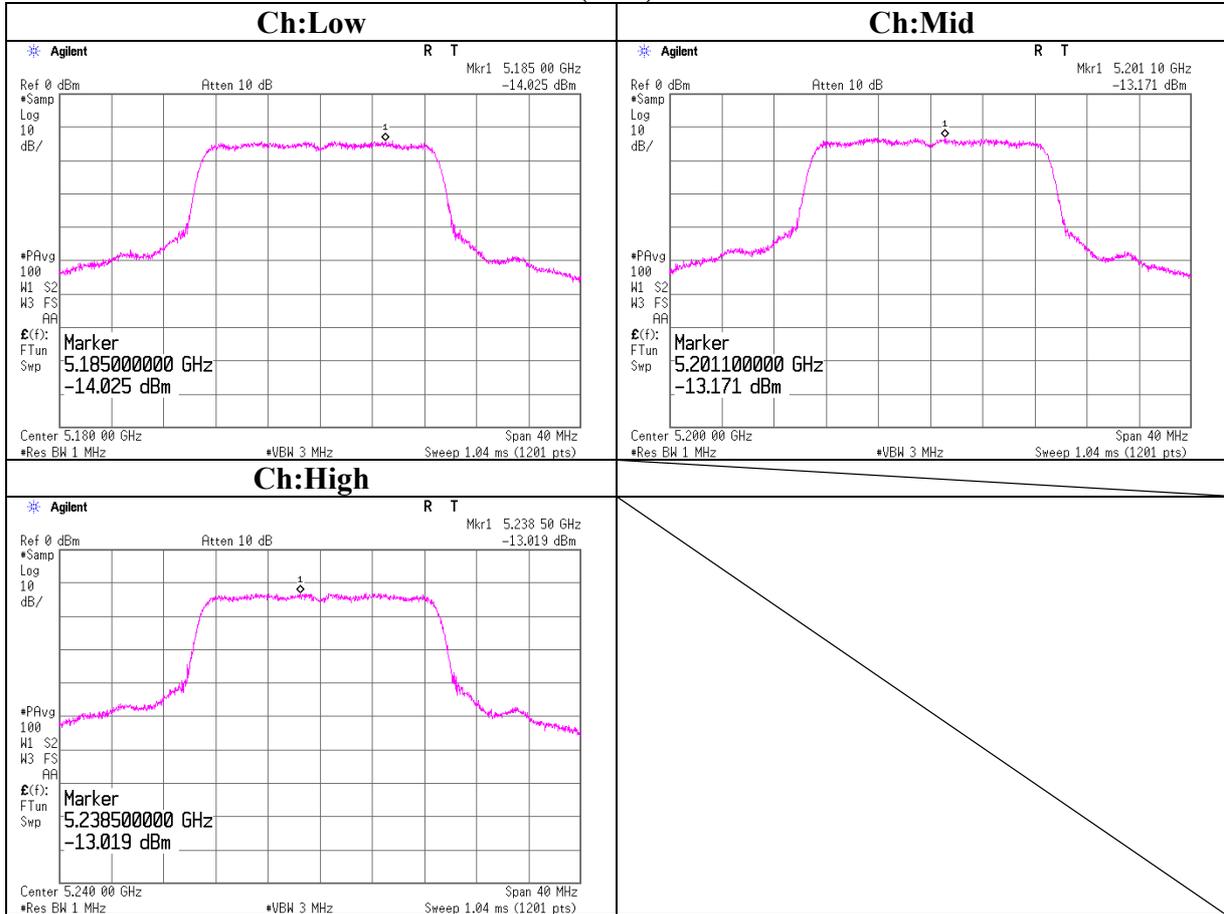
Peak Power Spectral Density
(Ant2)



Peak Power Spectral Density
(Ant3)



Peak Power Spectral Density
(Ant4)



Peak Excursion Ratio

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Company	Sony Corporation	Regulation	FCC Part15 Subpart E 15.407(a)(6)
Equipment	Wireless Link	Test Distance	-
Model	DMX-WLIT (Transmitter Unit)	Date	06/25/2008
S/N	11	Temperature	24deg.C.
Power	AC 120V / 60Hz	Humidity	64%
Mode	WHDI Tx	Engineer	Kazufumi Nakai

Ant1

Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
5180.0	12.82	13.0
5200.0	11.34	13.0
5240.0	12.15	13.0

Ant2

Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
5180.0	11.64	13.0
5200.0	12.67	13.0
5240.0	11.54	13.0

Ant3

Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
5180.0	10.85	13.0
5200.0	10.03	13.0
5240.0	10.92	13.0

Ant4

Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
5180.0	11.25	13.0
5200.0	10.69	13.0
5240.0	11.37	13.0

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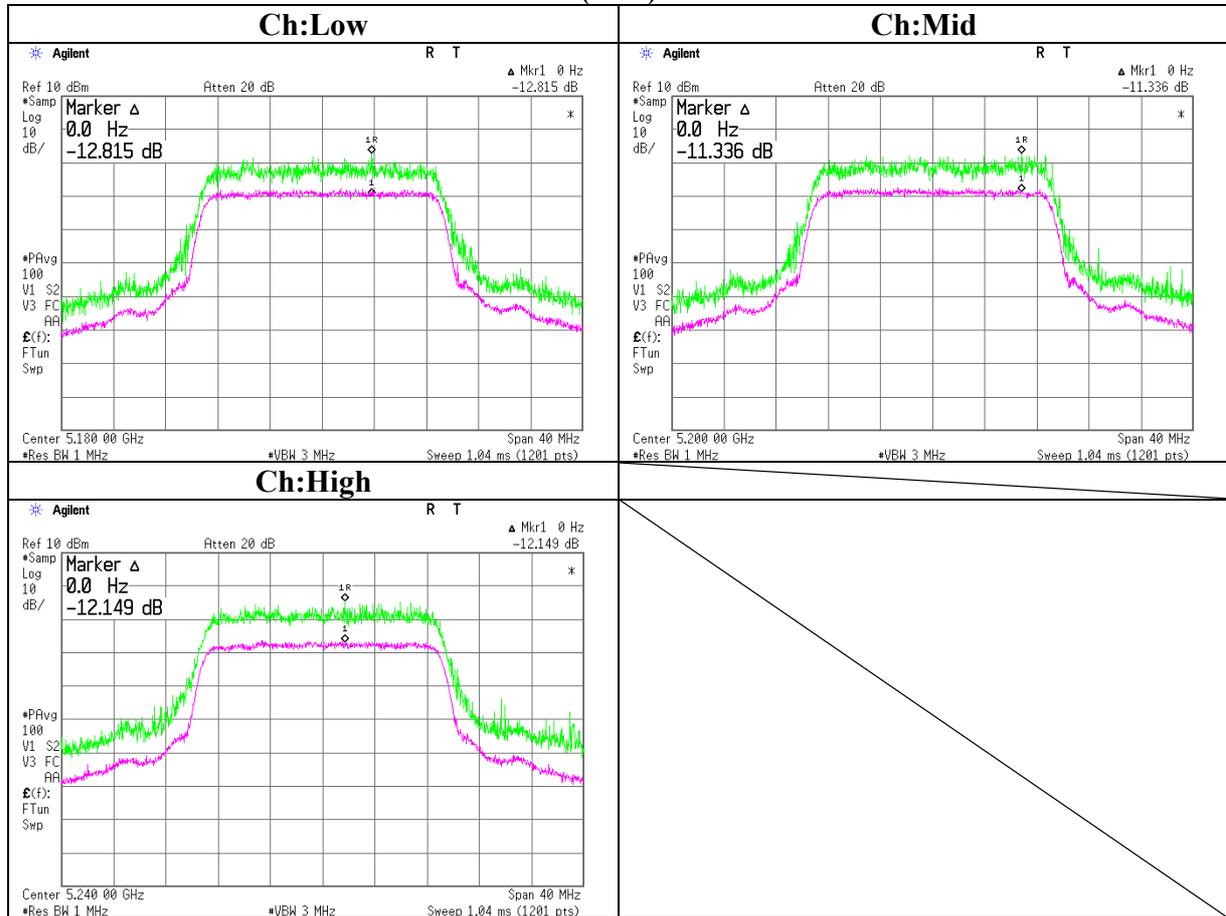
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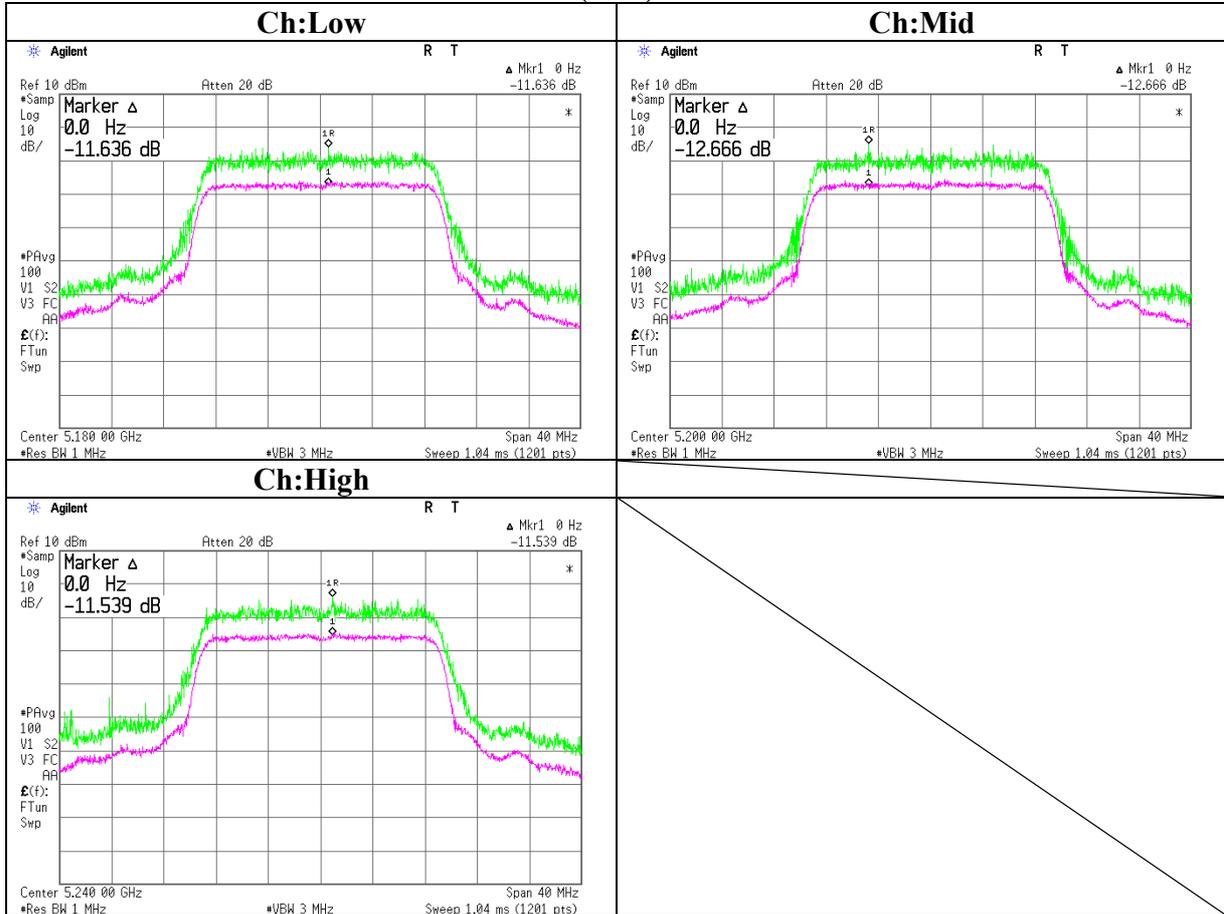
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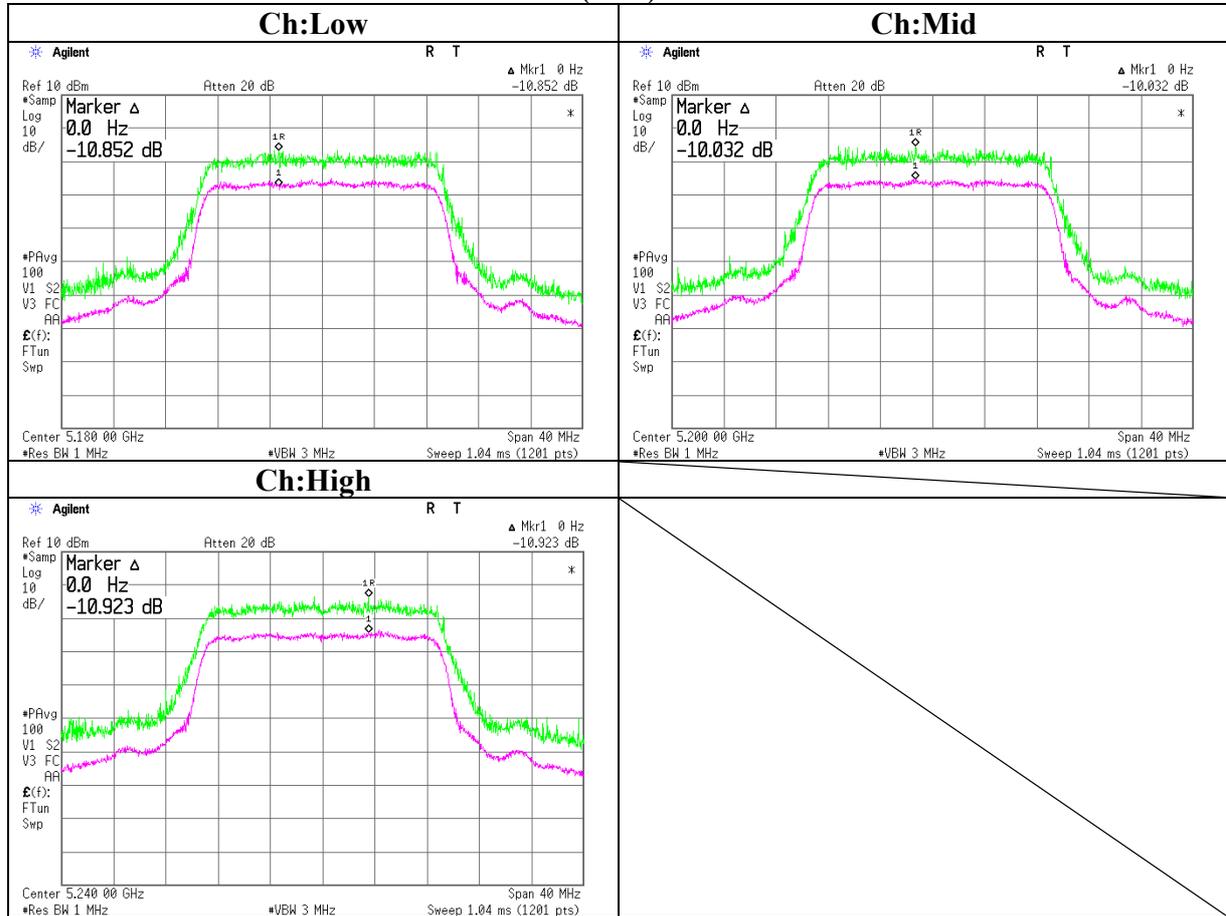
Peak Excursion Ratio
(Ant1)



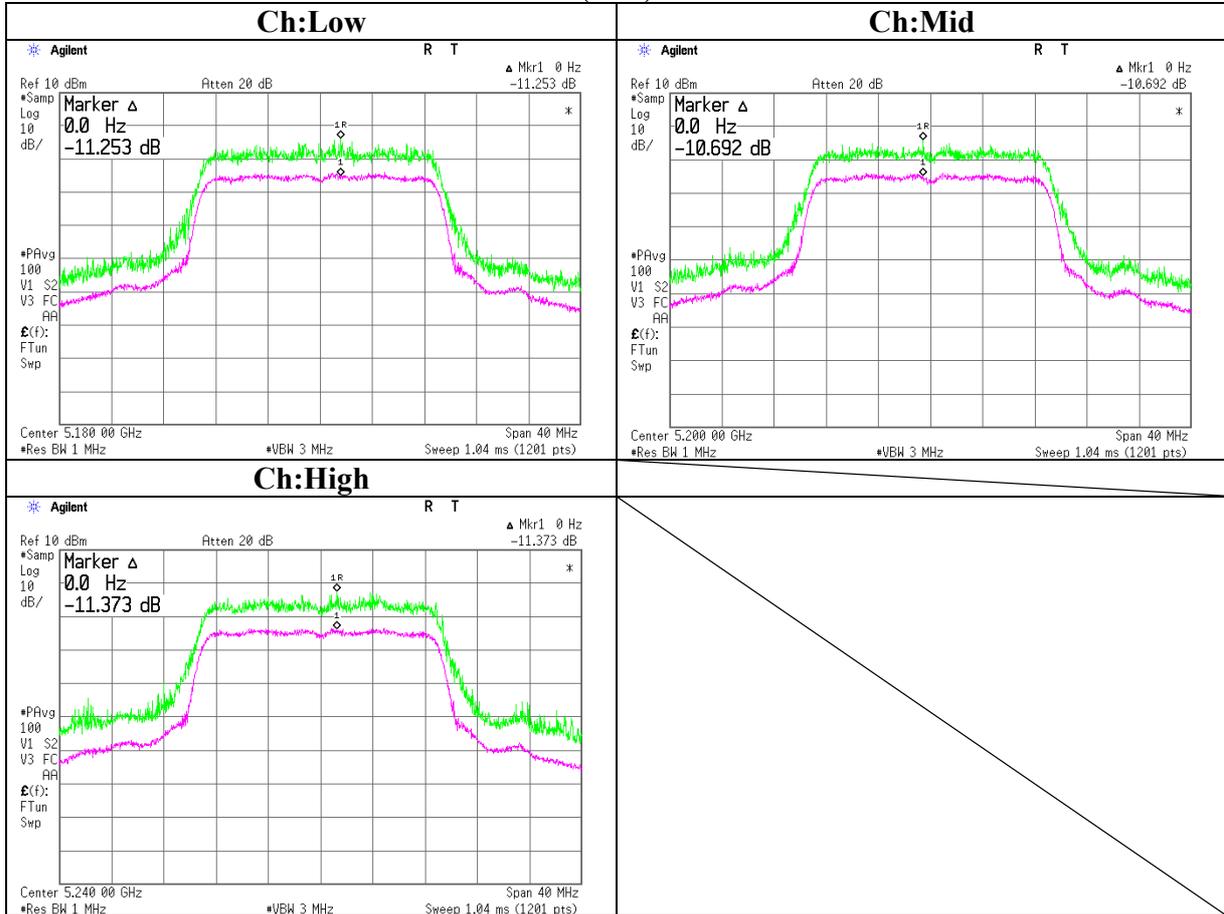
Peak Excursion Ratio
(Ant2)



Peak Excursion Ratio
(Ant3)



Peak Excursion Ratio
(Ant4)



APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2008/05/30 * 12
MCC-45	Microwave Cable	Murata	MXGS83RK3000	AT	2007/07/11 * 12
MAT-25	Attenuator(10dB)(above 1GHz)	Agilent	8493C	AT	2008/06/25 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12
MCC-66	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2008/04/04 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2008/03/05 * 12
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2008/03/25 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2008/01/10 * 12
MJM-06	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	RE	2008/02/27 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2008/04/23 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/12 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2008/03/13 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2008/04/30 * 12
MPS-03	Power Splitter	Mini-Circuits	ZN4PD1-63-S+	AT	2008/05/02 * 12
MHF-22	High Pass Filter 7-20GHz	TOKIMEC	TF37NCCB	RE	2008/01/07 * 12
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MCC-53	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	RE	2008/03/07 * 12
MPA-03	Microwave System Power Amplifier	Agilent	83050A	RE	2008/06/26 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2008/01/12 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2008/01/12 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2008/03/10 * 12
MCC-51	Coaxial cable	UL Japan	-	RE/CE	2007/07/26 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2008/03/06 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	RE	2008/06/12 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE	2008/06/26 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE/CE	2007/12/21 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2008/02/19 * 12
MOS-17	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 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. 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: CE: Conducted Emission, RE: Radiated Emission, AT: Antenna Terminal Conducted test

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