

Trace: (Discrete)
 Site : 03CR06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A12

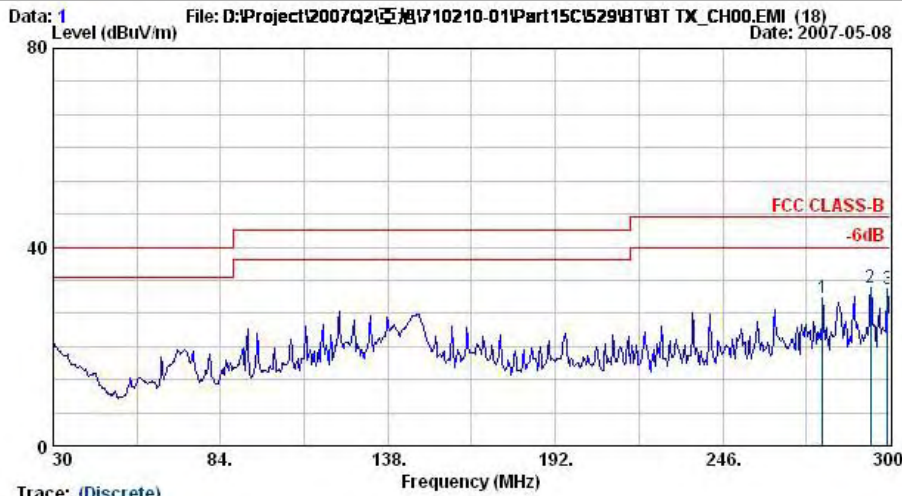
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2389.92	48.24	-25.76	74.00	49.68	30.26	3.75	35.46	100	0	Peak
2 @	2389.92	39.01	-14.99	54.00	40.46	30.26	3.75	35.46	100	12	Average

Remark: There's no more obvious spurious emission except the listings above.



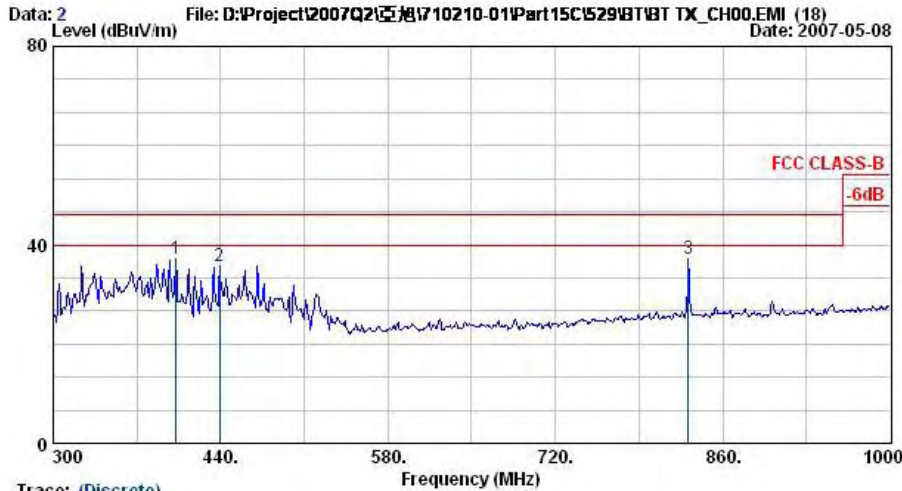
- Test Mode : Mode 15
- Polarization : Horizontal

The test that passed at minimum margin was marked by the frame in the following table.



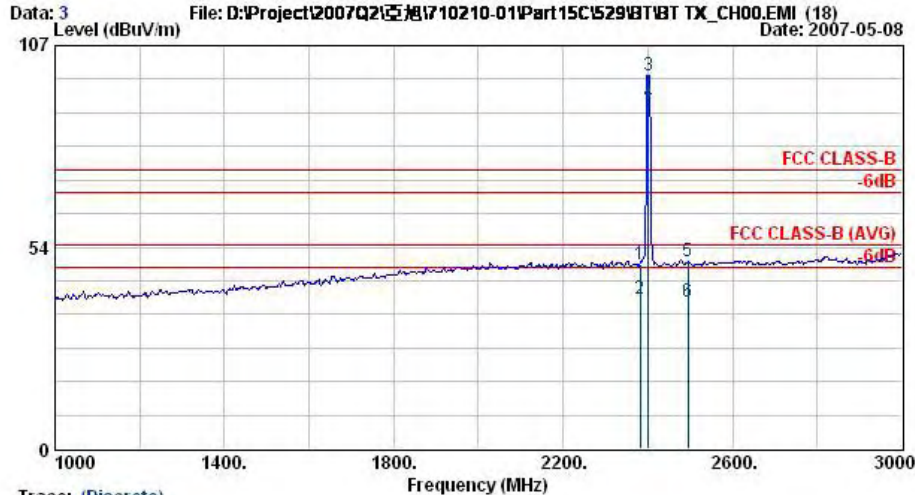
Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LF-ANT(851121) HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	278.13	29.83	-16.17	46.00	45.44	12.80	2.56	30.97	---	---	Peak
2	293.79	31.93	-14.07	46.00	47.17	13.10	2.61	30.95	---	---	Peak
3	299.19	31.48	-14.52	46.00	46.57	13.21	2.63	30.93	---	---	Peak



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LF-ANT(851121) HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

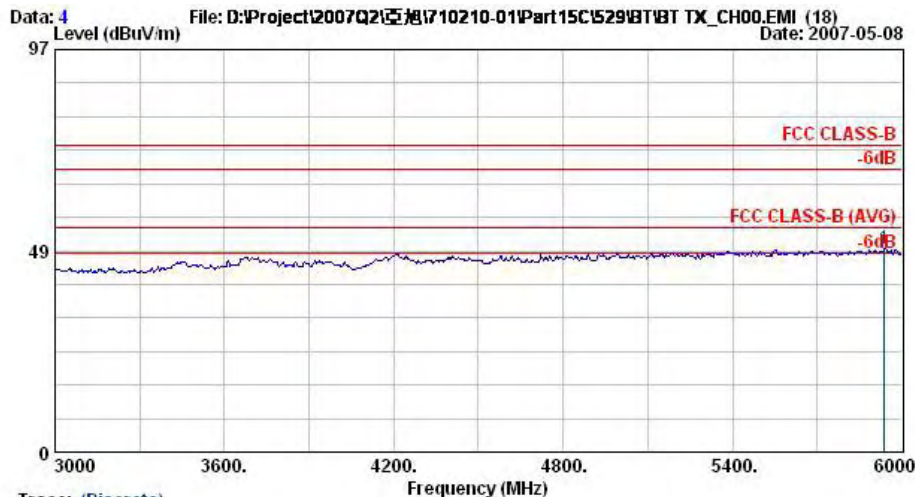
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	402.90	37.14	-8.86	46.00	49.08	15.81	3.11	30.86	100	314	Peak
2 @	439.30	35.63	-10.37	46.00	46.77	16.42	3.27	30.83	---	---	Peak
3 @	831.30	37.03	-8.97	46.00	42.80	20.04	4.64	30.45	---	---	Peak



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2382.32	48.91	-25.09	74.00	50.36	30.26	3.75	35.46	100	0 Peak
2	2382.32	39.89	-14.11	54.00	41.33	30.25	3.75	35.44	100	195 Average
3 @	2402.00	99.06			100.49	30.26	3.77	35.46	100	0 Peak
4 @	2402.00	91.88			93.31	30.26	3.77	35.46	100	195 Average
5	2494.00	49.66	-24.34	74.00	51.01	30.30	3.88	35.53	100	0 Peak
6	2494.00	38.80	-15.20	54.00	40.15	30.30	3.88	35.53	100	195 Average

Remark: #3 and #4 Fundamental Signal

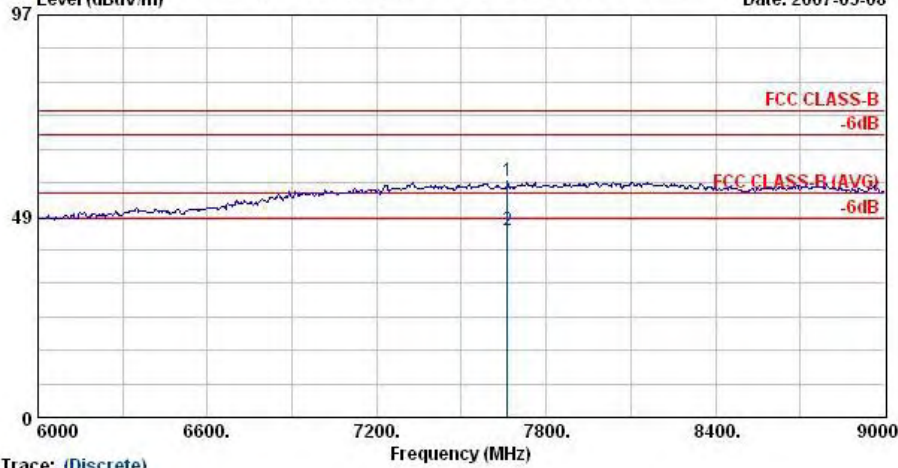


Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	5937.00	49.20	-24.80	74.00	43.95	34.03	6.93	35.71	---	---



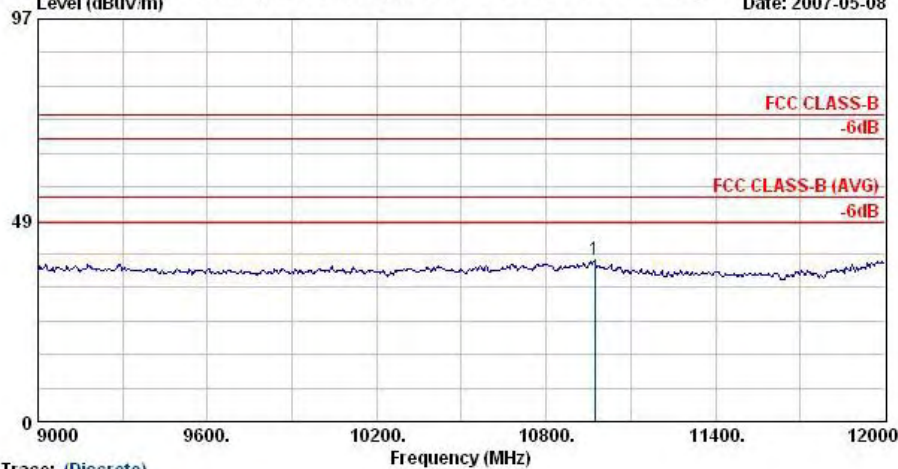
Data: 5 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	7662.00	56.88	-17.12	74.00	46.06	39.13	7.67	35.99	---	---	Peak
2 @	7662.00	44.91	-9.09	54.00	34.10	39.13	7.67	35.99	100	298	Average

Data: 6 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08

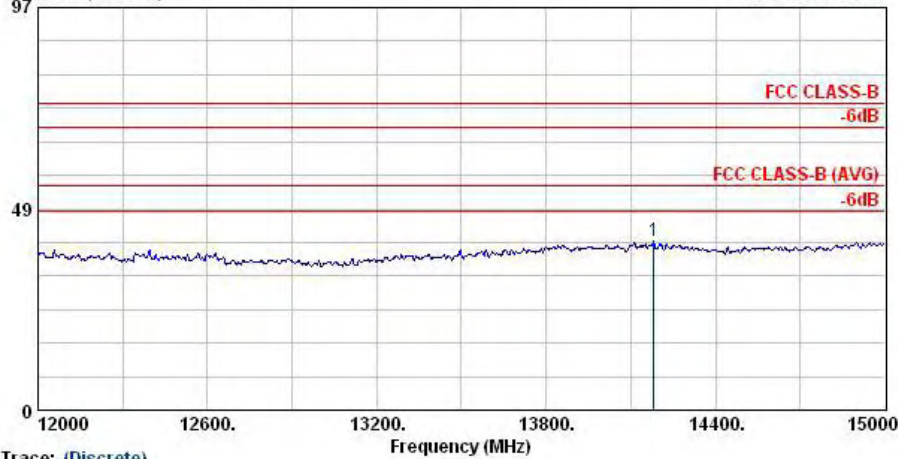


Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT(8-18)-060918 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10971.00	39.10	-34.90	74.00	73.56	-8.31	9.86	36.01	---	---	Peak



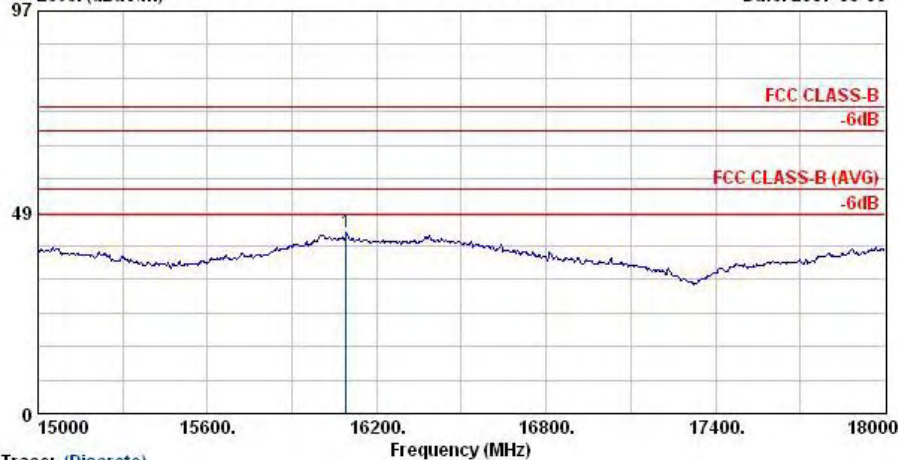
Data: 7 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BTBT TX_CH00.EMI (18) Date: 2007-05-08



Trace: (Discrete)
 Site : 03CR06-HY
 Condition : HF-ANT(8-18)-060918 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A8

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14181.00	40.70	-33.30	74.00	70.20	-6.28	11.67	34.89	---	---	Peak

Data: 8 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BTBT TX_CH00.EMI (18) Date: 2007-05-08

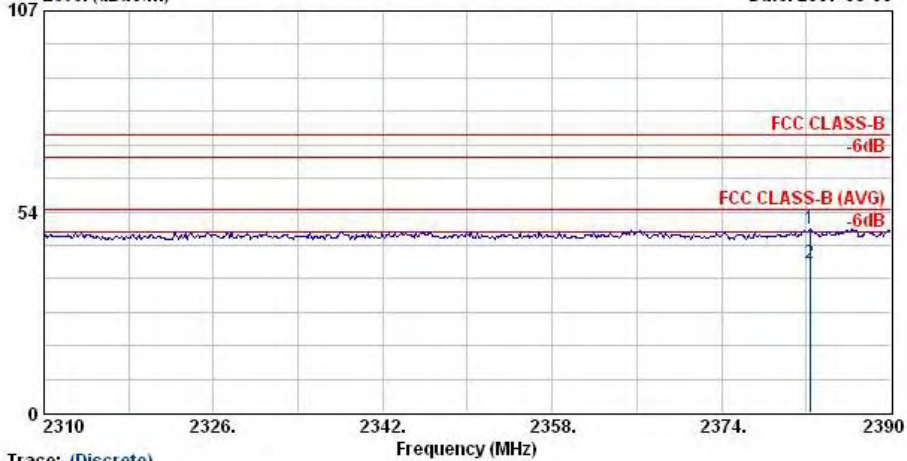


Trace: (Discrete)
 Site : 03CR06-HY
 Condition : HF-ANT(8-18)-060918 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A8

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	16092.00	43.61	-30.39	74.00	72.08	-5.02	11.79	35.24	---	---	Peak



Data: 17 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08
 Level (dBuV/m)



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2382.32	48.91	-25.09	74.00	50.34	30.25	3.75	35.44	100	0	Peak
2	2382.32	39.89	-14.11	54.00	41.33	30.25	3.75	35.44	100	195	Average

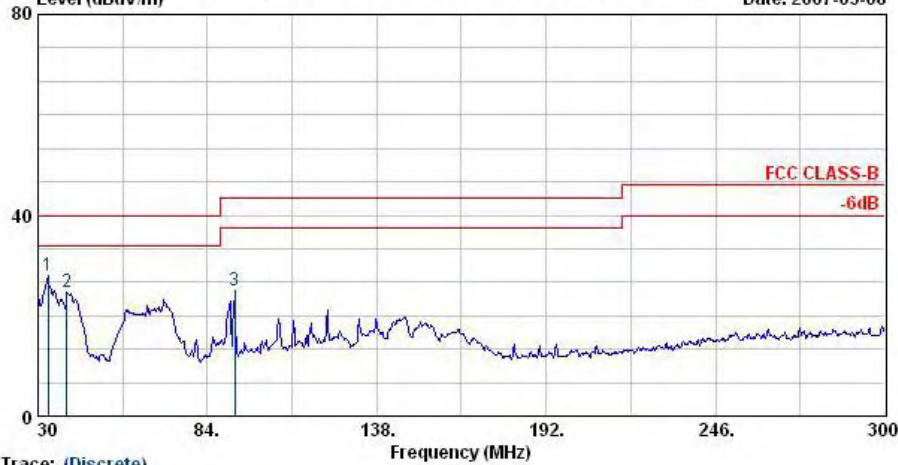
Remark: There's no more obvious spurious emission except the listings above.



- Polarization : Vertical

The test that passed at minimum margin was marked by the frame in the following table.

Data: 9 File: D:\Project\2007Q2\蓝牙710210-01\Part15C\529\BT\BT TX_CH00.EMI (18) Date: 2007-05-08

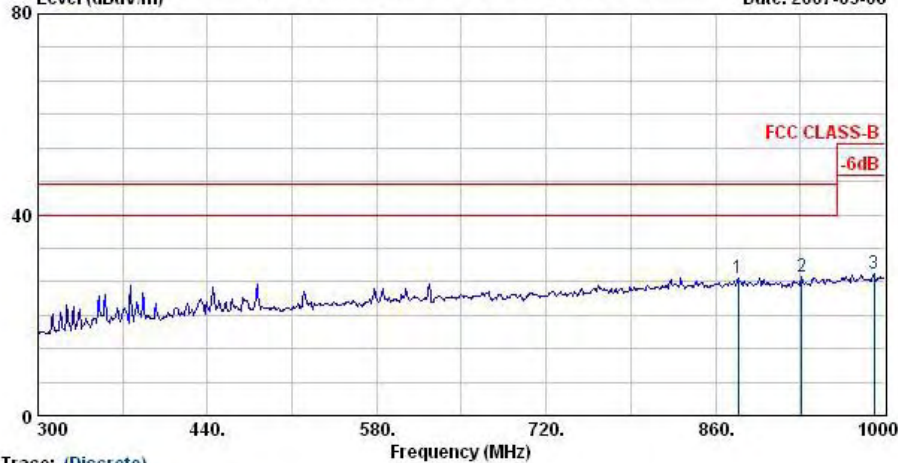


Trace: (Discrete)

Site : D3CH06-HY
 Condition : LF-ANT(951121) VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1 @	33.24	27.83	-12.17	40.00	40.78	17.54	0.86	31.36	100	178 Peak
2	39.18	24.68	-15.32	40.00	40.95	14.03	0.91	31.21	---	Peak
3	92.64	24.89	-18.61	43.50	45.03	9.62	1.35	31.11	---	Peak

Data: 10 File: D:\Project\2007Q2\蓝牙710210-01\Part15C\529\BT\BT TX_CH00.EMI (18) Date: 2007-05-08



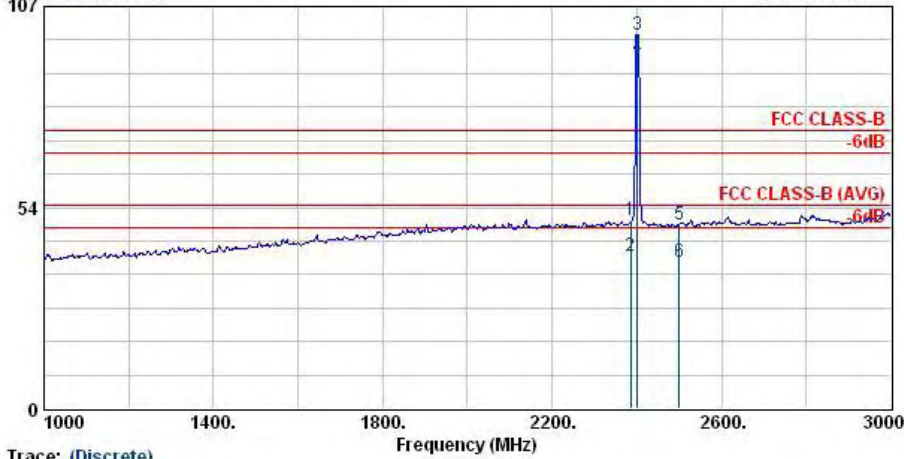
Trace: (Discrete)

Site : D3CH06-HY
 Condition : LF-ANT(951121) VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	878.90	27.34	-18.66	46.00	32.61	20.38	4.75	30.39	---	Peak
2	931.40	27.57	-18.43	46.00	32.22	20.75	4.91	30.31	---	Peak
3	990.90	28.34	-25.66	54.00	32.32	21.18	5.11	30.27	---	Peak



Data: 11 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08

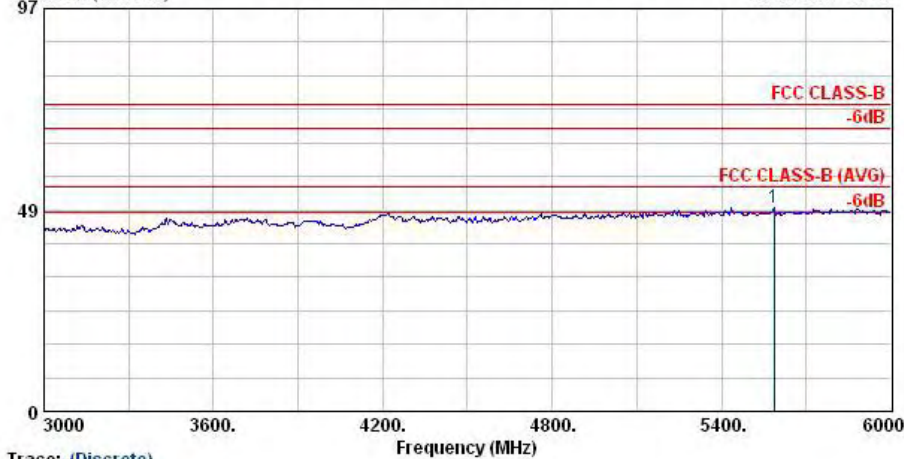


Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2385.92	49.96	-24.04	74.00	51.41	30.26	3.75	35.46	100	0	Peak
2	2385.92	40.58	-13.42	54.00	42.01	30.26	3.75	35.44	106	260	Average
3 @	2402.00	99.39			100.81	30.26	3.77	35.46	100	0	Peak
4 @	2402.00	93.40			94.83	30.26	3.77	35.46	106	260	Average
5	2500.00	49.05	-24.95	74.00	50.40	30.30	3.88	35.53	100	0	Peak
6	2500.00	39.12	-14.88	54.00	40.47	30.30	3.88	35.53	106	260	Average

Remark: #3 and #4 Fundamental Signal

Data: 12 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08

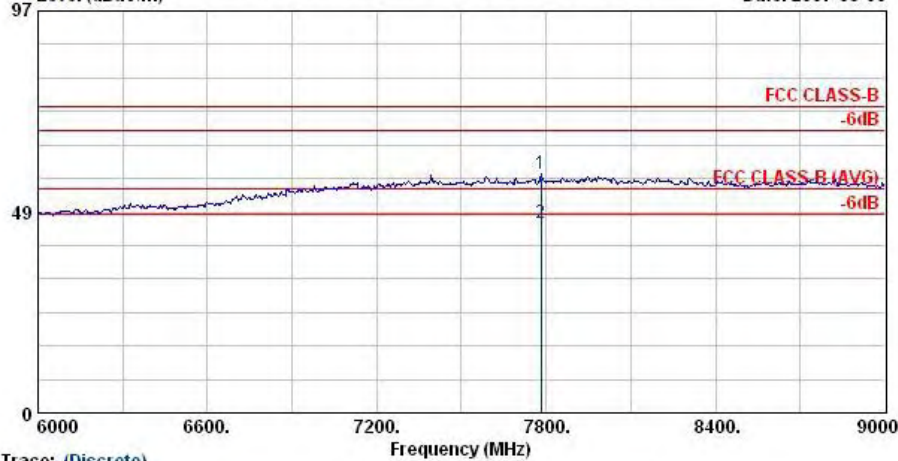


Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	5586.00	48.88	-25.12	74.00	44.26	33.69	6.88	35.95	---	---	Peak



Data: 13 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT TX_CH00.EMI (18) Date: 2007-05-08
 Level (dBuV/m)

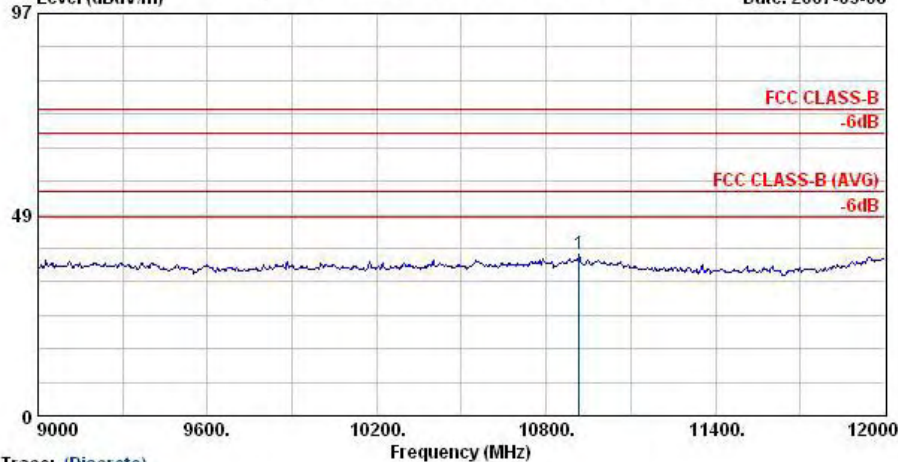


Trace: (Discrete)

Site : 03CR06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	7782.00	57.57	-16.43	74.00	46.49	39.30	7.71	35.94	---	---	Peak
2 @	7782.00	45.87	-8.13	54.00	34.80	39.30	7.71	35.94	100	304	Average

Data: 14 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT TX_CH00.EMI (18) Date: 2007-05-08
 Level (dBuV/m)



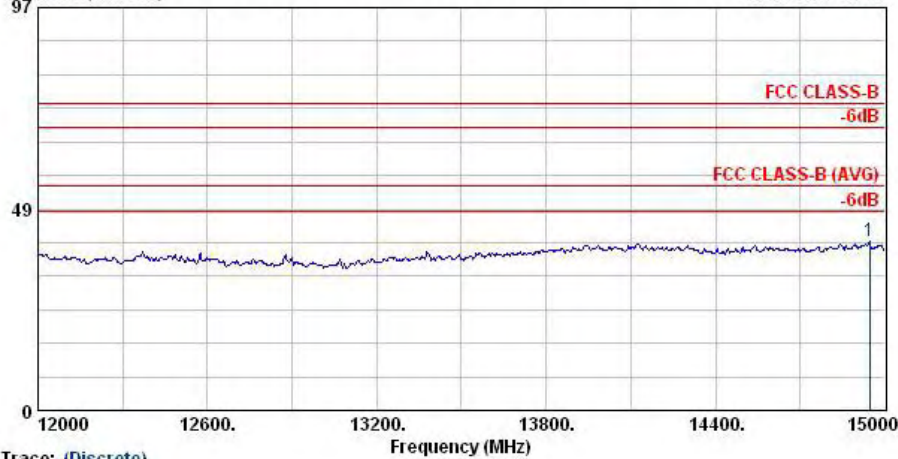
Trace: (Discrete)

Site : 03CR06-HY
 Condition : HF-ANT(8-18)-060018 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	10917.00	39.00	-35.00	74.00	73.60	-8.33	9.81	36.08	---	---	Peak



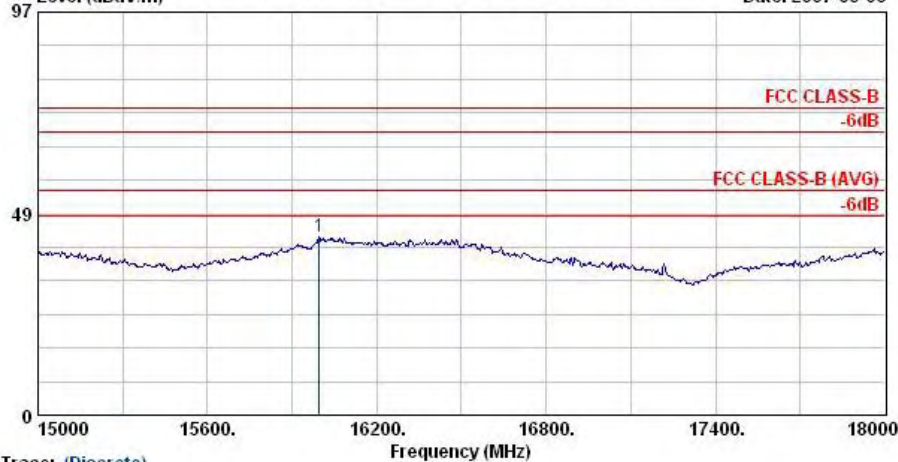
Data: 15 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08



Trace: (Discrete)
 Site : 03CR06-HY
 Condition : HF-ANT(8-18)-060918 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

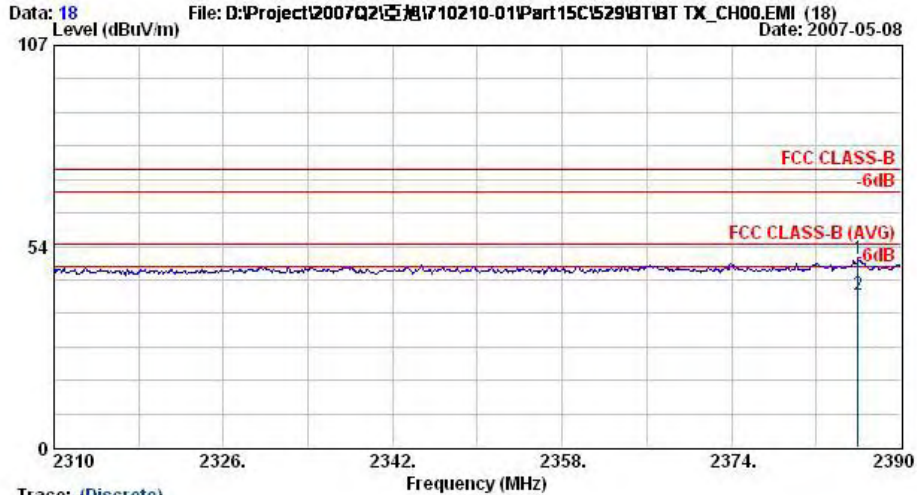
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	14946.00	40.84	-33.16	74.00	71.75	-6.24	11.31	35.98	---	---	Peak

Data: 16 File: D:\Project\2007Q2\亞旭\710210-01\Part15C\529\BT\BT_TX_CH00.EMI (18) Date: 2007-05-08



Trace: (Discrete)
 Site : 03CR06-HY
 Condition : HF-ANT(8-18)-060918 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DH5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	15996.00	43.08	-30.92	74.00	71.63	-3.90	11.77	36.42	---	---	Peak



Trace: (Discrete)
 Site : 03CR06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA
 Power : 120Vac/60Hz
 Model : FR 710210-01
 Memo : Bluetooth TX_CH00;2402MHz
 Data Rate : DR5
 Plane : E1
 Scanner : A6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2385.92	49.96	-24.04	74.00	51.39	30.26	3.75	35.44	100	0	Peak
2 @	2385.92	40.58	-13.42	54.00	42.01	30.26	3.75	35.44	106	260	Average

Remark: There's no more obvious spurious emission except the listings above.



5.10 Antenna Requirements

5.10.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no other antenna except assembled by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

5.10.2 Antenna Connected Construction

The antenna used in this product is a fixed internal antenna without connector and it is considered to meet antenna requirement of FCC.

5.10.3 Antenna Gain

The antenna gain of EUT is less than 6dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



6. List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100132	9kHz – 2.75GHz	July. 04, 2006	July. 04, 2007	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/004	9kHz – 30MHz	Mar. 30, 2007	Mar. 30, 2008	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	2001/009	9kHz – 30MHz	Mar. 30, 2007	Mar. 30, 2008	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	N/A	Conduction (CO01-HY)
EMI Filter	LINDGREN	N6006	201052	0 – 60Hz	N/A	N/A	Conduction (CO01-HY)
RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9kHz – 30MHz	Dec. 22, 2006	Dec. 22, 2007	Conduction (CO01-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	N/A	Conduction (CO01-HY)
Spectrum analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2006	Jul. 12, 2007	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	10094	1G-18G	Dec. 26, 2006	Dec. 25, 2007	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Base Station Simulator	R & S	CMU200	106656	WCDMA	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)



7. Uncertainty Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.10	Normal(k=2)	0.05
Cable loss	0.10	Normal(k=2)	0.05
AMN insertion loss	2.50	Rectangular	0.63
Receiver Spec	1.50	Rectangular	0.43
Site imperfection	1.39	Rectangular	0.80
Mismatch	+0.34/-0.35	U-shape	0.24
combined standard uncertainty Uc(y)	1.13		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.26		

Uncertainty of Radiated Emission Evaluation (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.15	Normal(k=2)	0.08
Antenna factor calibration	1.12	Normal(k=2)	0.56
Cable loss calibration	0.12	Normal(k=2)	0.06
Pre Amplifier Gain calibration	0.13	Normal(k=2)	0.07
RCV/SPA specification	2.5	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1	Rectangular	0.29
Site imperfection	2.1	Rectangular	1.21
Mismatch	+0.39/-0.41	U-shaped	0.28
combined standard uncertainty Uc(y)	1.58		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	3.16		



Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of x_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty $U_c(y)$	2.36				
Measuring uncertainty for a level of confidence of 95% $U = 2U_c(y)$	4.72				

Appendix A. Set up Photograph

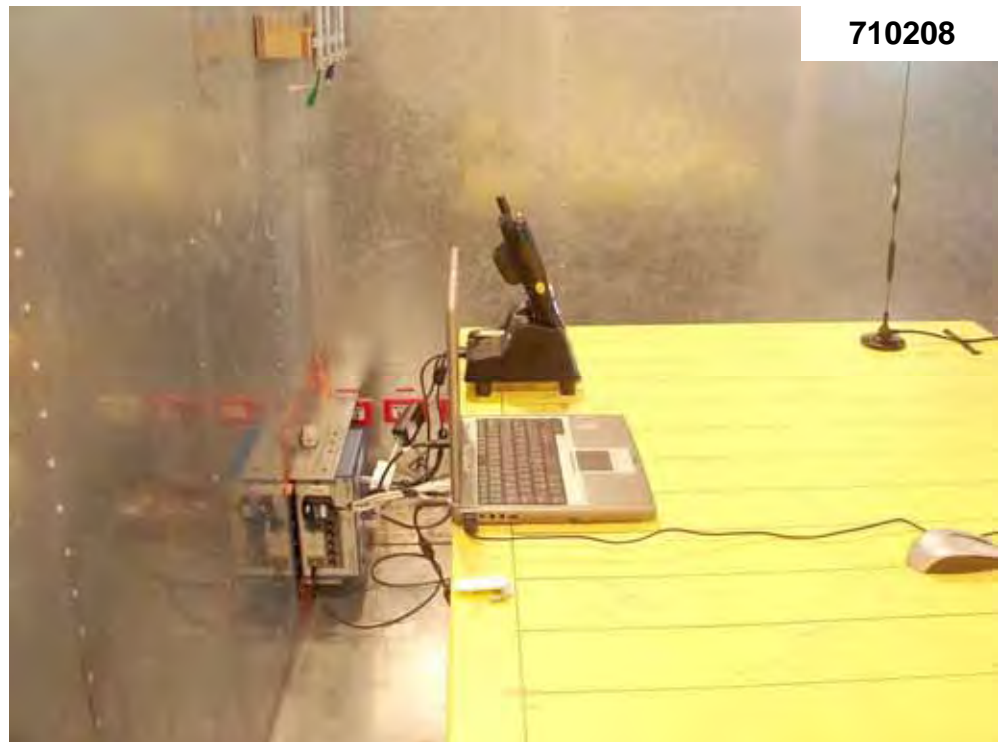
Conducted Emission

Mode 1

FRONT VIEW



REAR VIEW



710208



SIDE VIEW

Mode 2

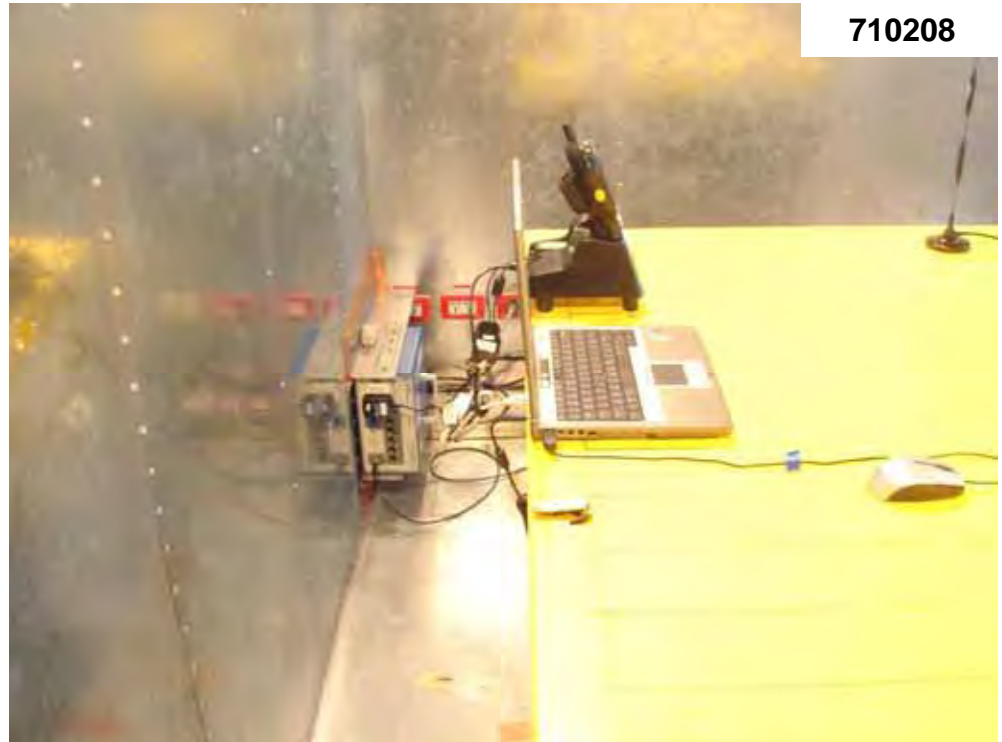
710208



FRONT VIEW

710208

REAR VIEW



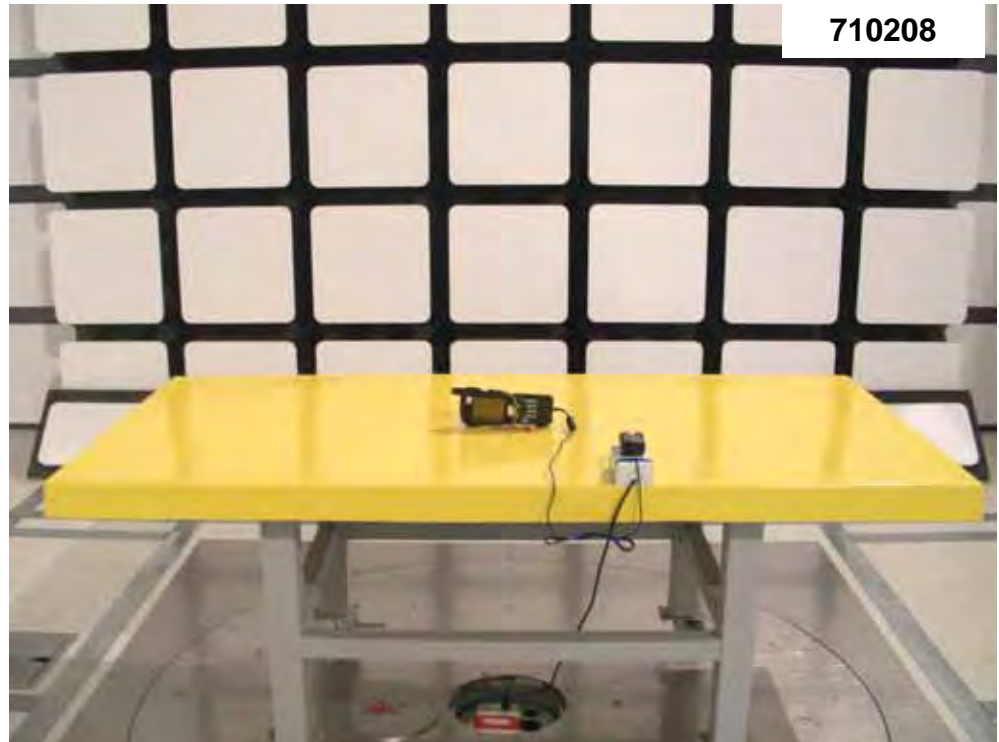
710208

SIDE VIEW



**Radiation Emission
Mode 1~3**

FRONT VIEW

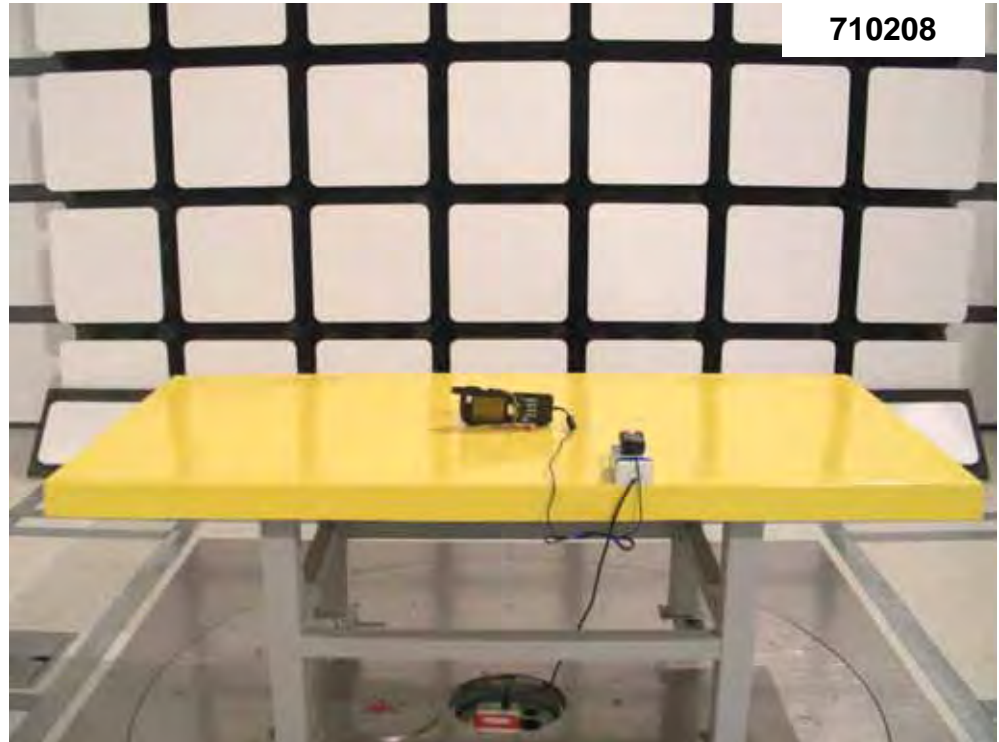


REAR VIEW



Mode 4

FRONT VIEW

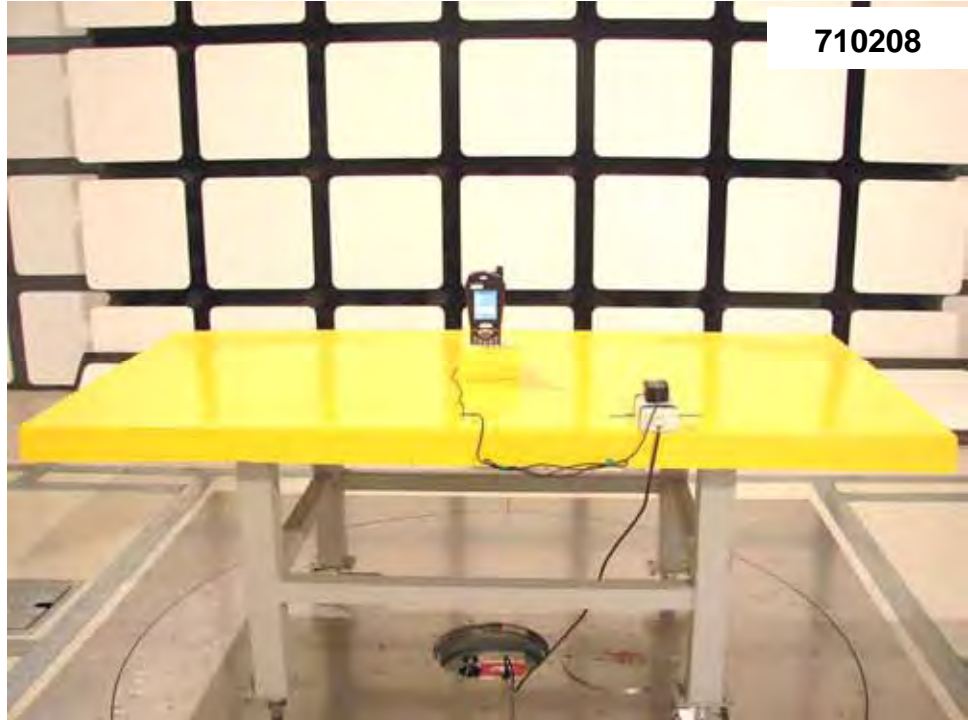


REAR VIEW

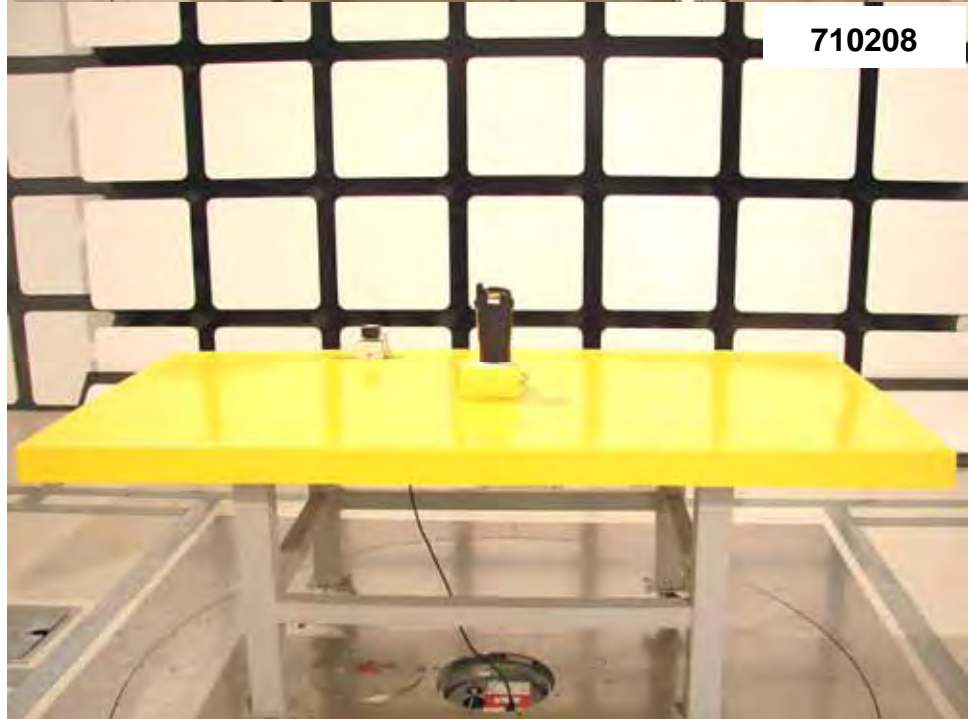


Mode 5~8 and 10~14

FRONT VIEW



REAR VIEW

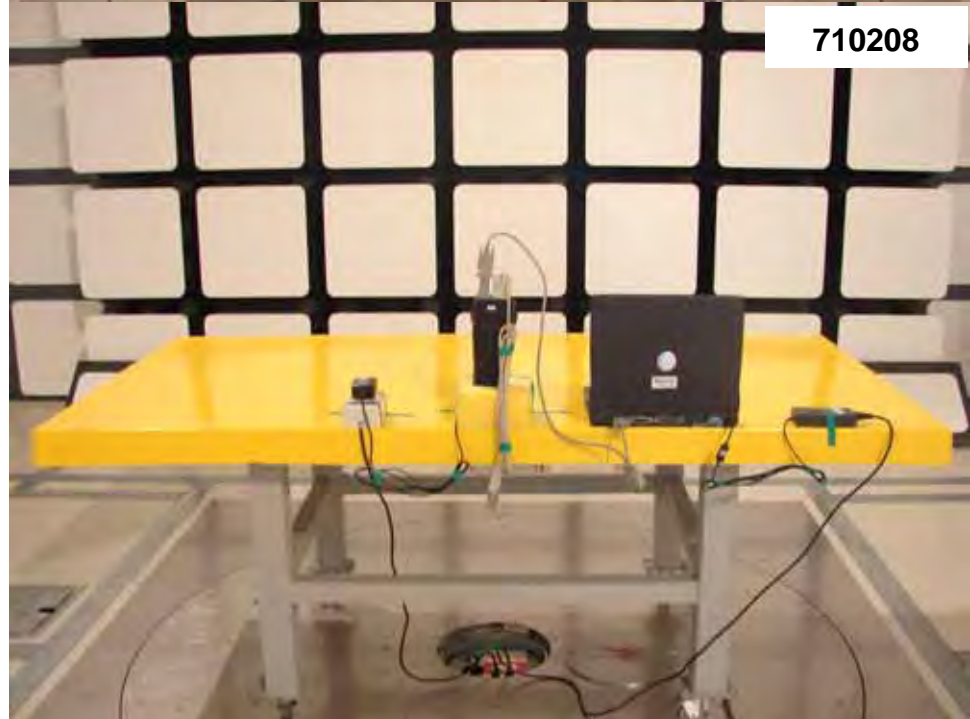


Mode 9

FRONT VIEW

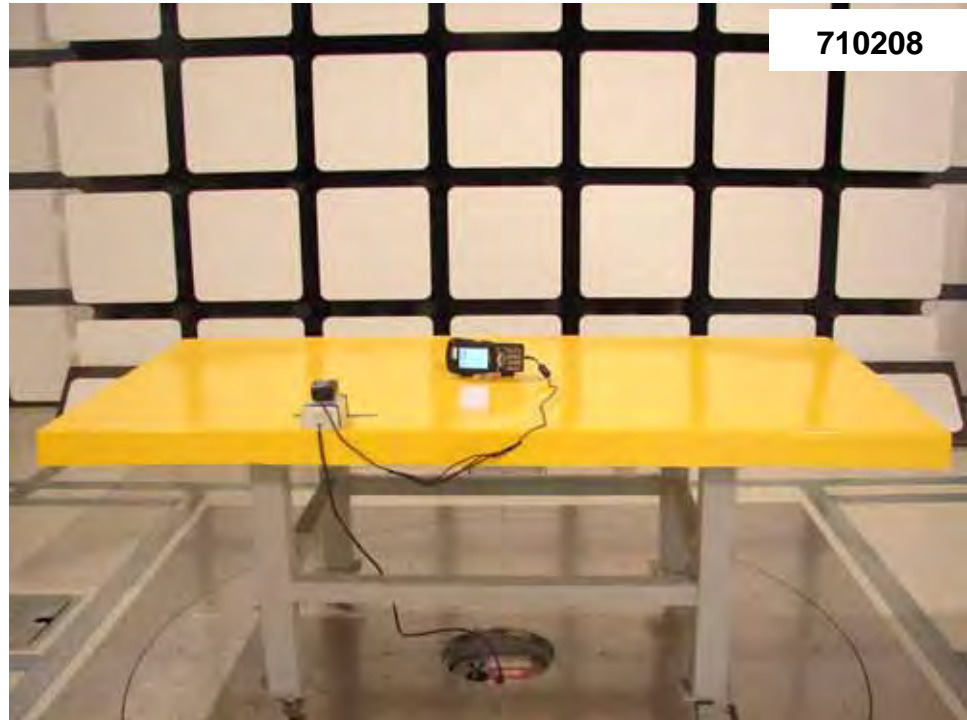


REAR VIEW

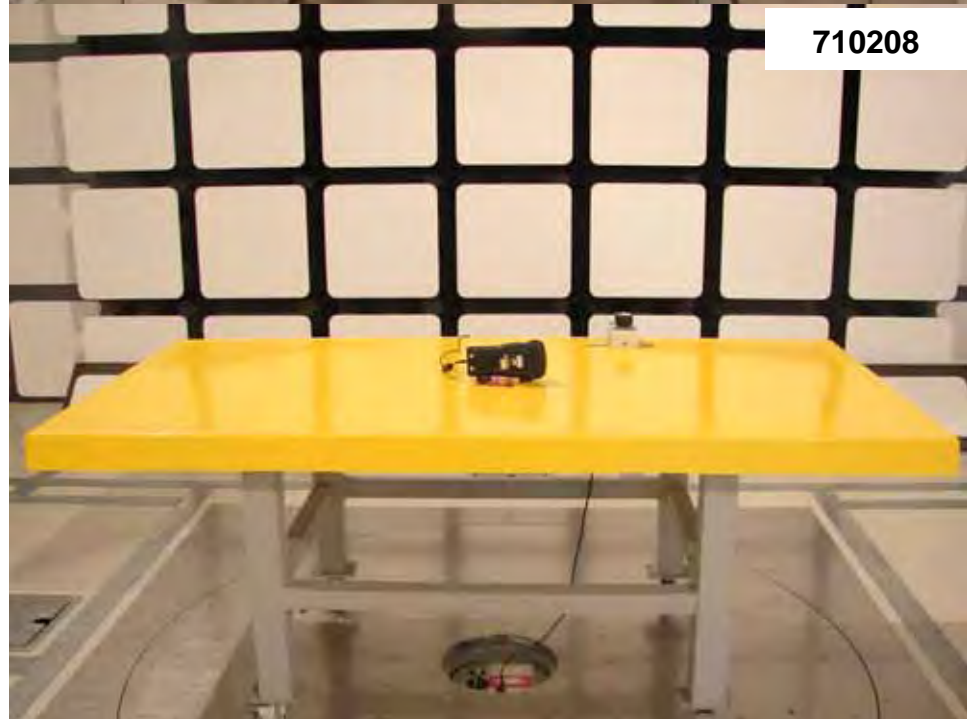


Mode 15

FRONT VIEW



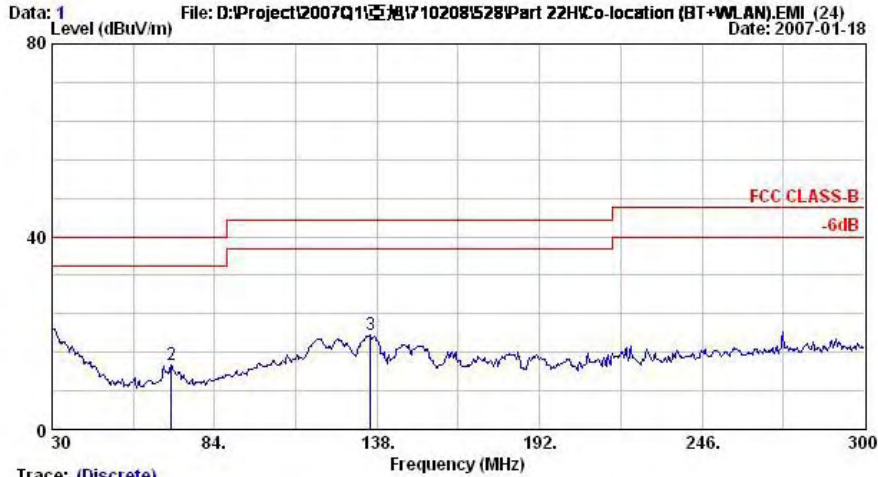
REAR VIEW





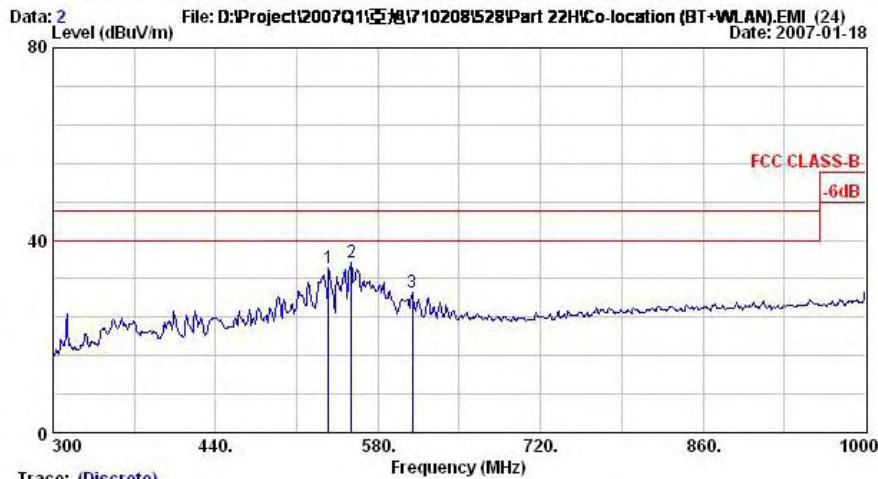
APPENDIX B. Part 15B RSE Data for BT+WLAN Co-location

Horizontal Polarization



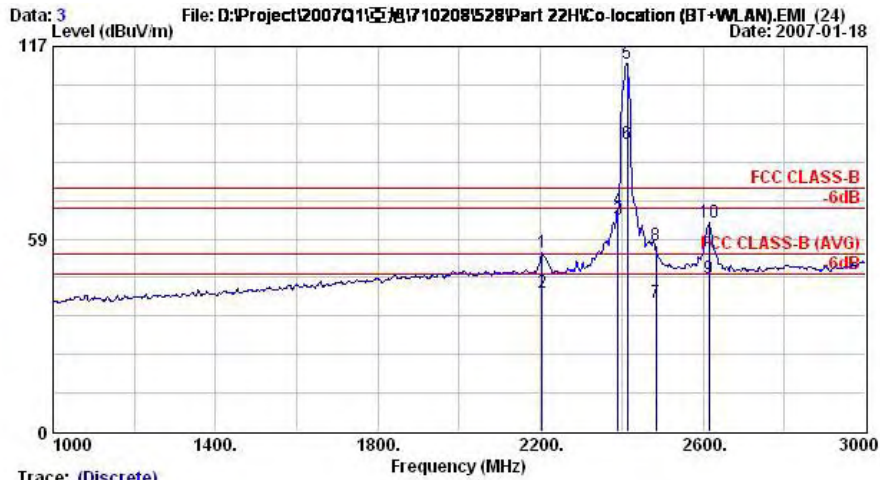
Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LP-ANT(951121) HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : FR 710208
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	30.0	20.72	-19.28	40.00	31.68	19.66	0.84	31.46	---	---	Peak
2	69.7	13.42	-26.58	40.00	36.38	6.89	1.32	31.17	---	---	Peak
3	135.8	19.56	-23.94	43.50	38.02	10.89	1.70	31.06	---	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LP-ANT(951121) HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : FR 710208
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	537.3	34.21	-11.79	46.00	43.47	17.81	3.67	30.75	---	---	Peak
2 @	556.9	35.36	-10.64	46.00	44.32	18.02	3.75	30.72	100	186	Peak
3 @	609.4	29.28	-16.72	46.00	37.52	18.51	3.91	30.66	---	---	Peak

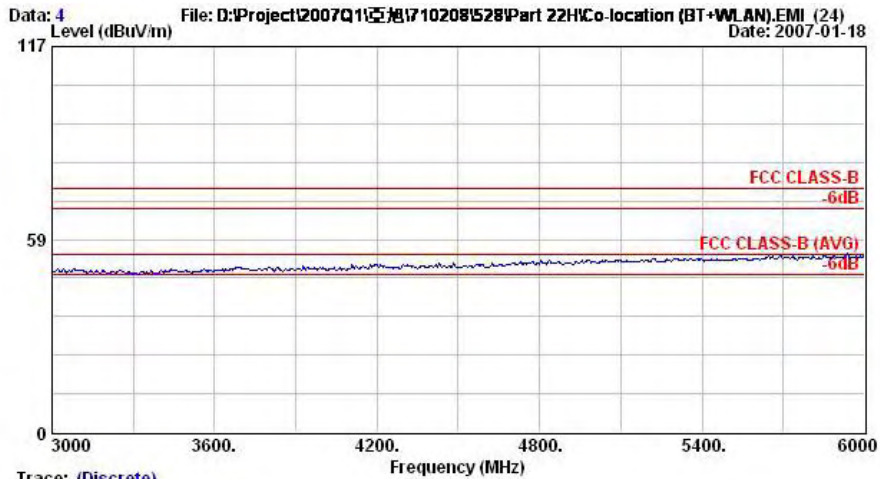


Site : 08CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CH00+WLAN 11b Tx_CH01+Adaptor
 Plane : E2

Trace: (Discrete)

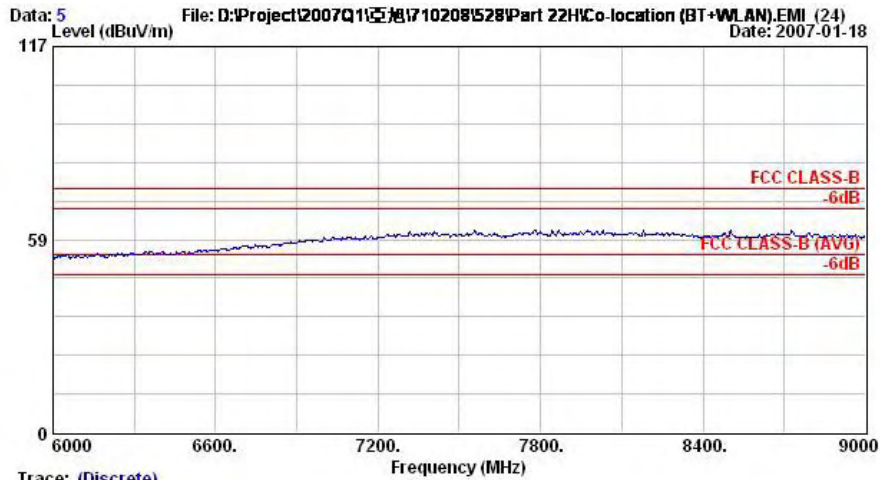
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2204.0	54.42	-19.58	74.00	56.02	30.18	3.54	35.31	100	0	Peak
2 @	2204.0	42.40	-11.60	54.00	44.00	30.18	3.54	35.31	100	142	Average
5 @	2414.0	111.98			113.39	30.27	3.77	35.46	100	0	Peak
6 @	2414.0	87.47			88.89	30.27	3.77	35.46	100	328	Average
7 @	2483.5	39.08	-14.92	54.00	40.44	30.29	3.86	35.51	100	328	Average
8 @	2483.5	56.39	-17.61	74.00	57.75	30.29	3.86	35.51	100	0	Peak
9 @	2614.0	46.47	-7.53	54.00	47.88	30.14	3.98	35.52	121	339	Average
10 @	2614.0	63.43	-10.57	74.00	64.84	30.14	3.98	35.52	100	0	Peak

Remark: #5 and #6 Fundamental Signal



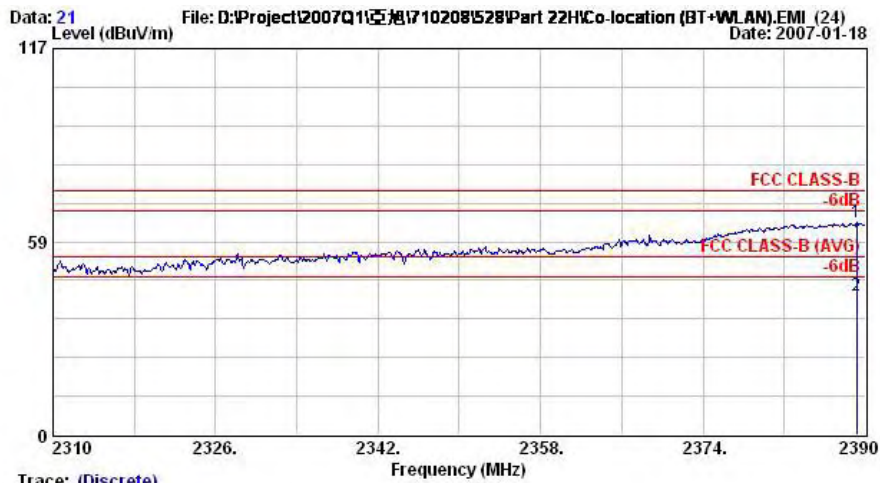
Site : 08CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CH00+WLAN 11b Tx_CH01+Adaptor
 Plane : E2

Trace: (Discrete)



Trace: (Discrete)

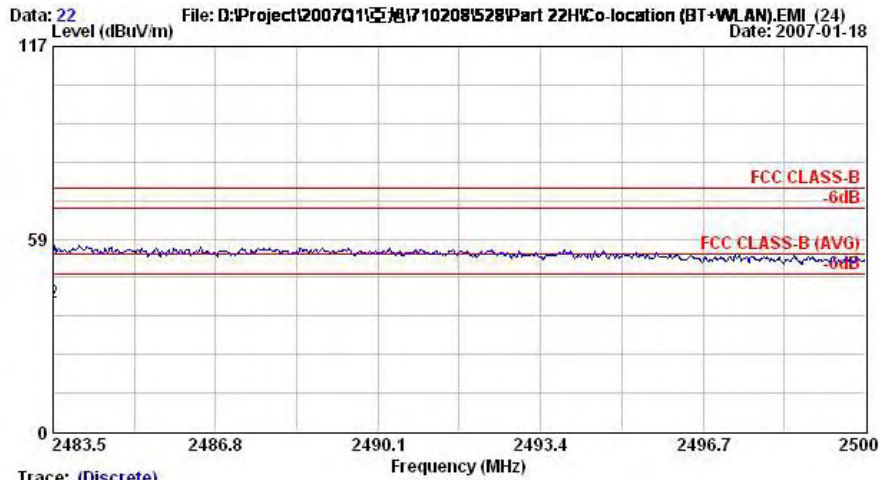
Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2



Trace: (Discrete)

Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over Limit	Limit Line	Read Antenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	2389.1	64.43	-9.57	74.00	65.86	30.26	3.75	35.44	100	0	Peak
2 @	2389.1	42.40	-11.60	54.00	43.83	30.26	3.75	35.44	100	328	Average



Trace: (Discrete)

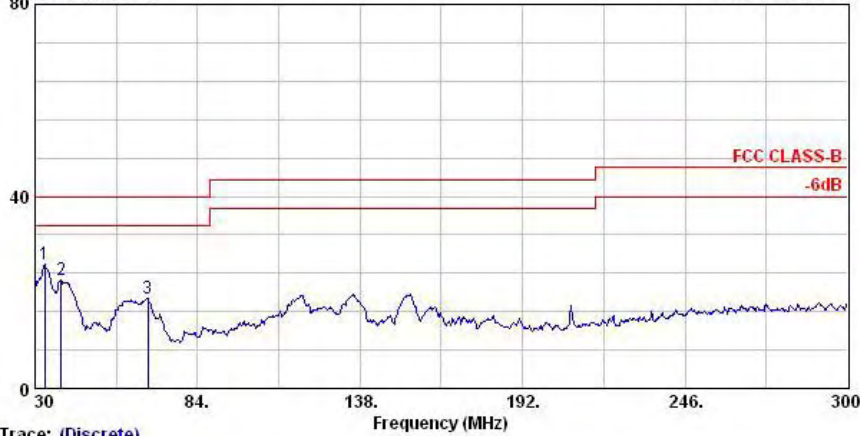
Site : 03CH06-HY
 Condition : HF-ANT-060410 HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : PG
 Memo : BT_TX_CH00+WLAN 11b Tx_CH01+Adaptor
 Plane : E2

	Freq	Level	Over Limit	Limit Line	Read Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	2483.5	56.39	-17.61	74.00	57.75	3.86	35.51	100	0	Peak
2 @	2483.5	39.08	-14.92	54.00	40.44	3.86	35.51	100	328	Average



Vertical Polarization

Data: 11 File: D:\Project\2007Q1\528\710208\528\Part 22\HC\Co-location (BT+WLAN).EMI (24) Date: 2007-01-18

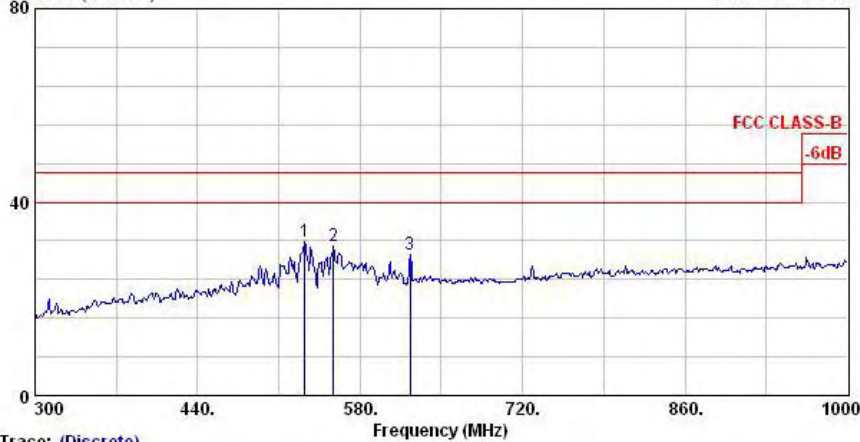


Trace: (Discrete)

Site : 08CH06-HY
 Condition : LF-ANT(951121) VERTICAL
 EUT : FDA with GPRS/EDGE+WLAN11g+BT
 Power : 120V_{ac}/60Hz
 Model : FR 710208
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	33.2	25.99	-14.01	40.00	38.94	17.54	0.86	31.36	100	75	Peak
2 @	38.6	22.66	-17.34	40.00	38.94	14.03	0.91	31.23	---	---	Peak
3 @	67.5	18.65	-21.35	40.00	41.68	6.84	1.28	31.15	---	---	Peak

Data: 12 File: D:\Project\2007Q1\528\710208\528\Part 22\HC\Co-location (BT+WLAN).EMI (24) Date: 2007-01-18



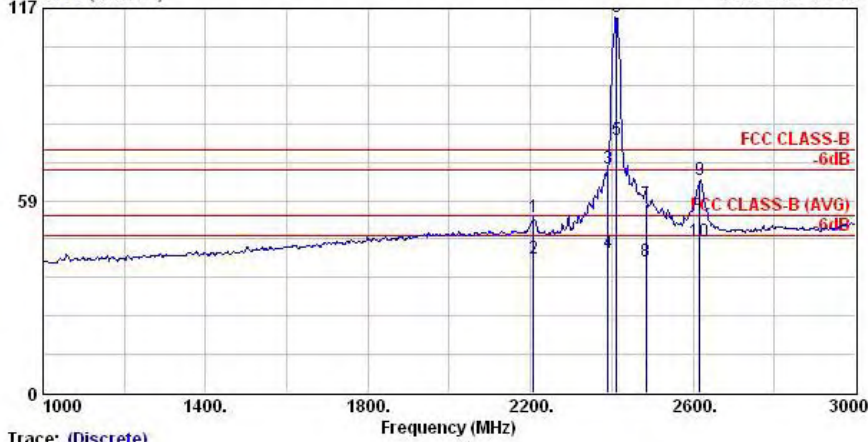
Trace: (Discrete)

Site : 08CH06-HY
 Condition : LF-ANT(951121) VERTICAL
 EUT : FDA with GPRS/EDGE+WLAN11g+BT
 Power : 120V_{ac}/60Hz
 Model : FR 710208
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	532.4	31.85	-14.15	46.00	41.18	17.76	3.65	30.75	---	---	Peak
2 @	556.9	30.79	-15.21	46.00	39.74	18.02	3.75	30.72	---	---	Peak
3 @	623.4	29.21	-16.79	46.00	37.31	18.57	3.99	30.66	---	---	Peak



Data: 13 File: D:\Project\2007Q1\528\10208\528\Part 22\ICo-location (BT+WLAN).EMI (24) Date: 2007-01-18
 Level (dBuV/m)



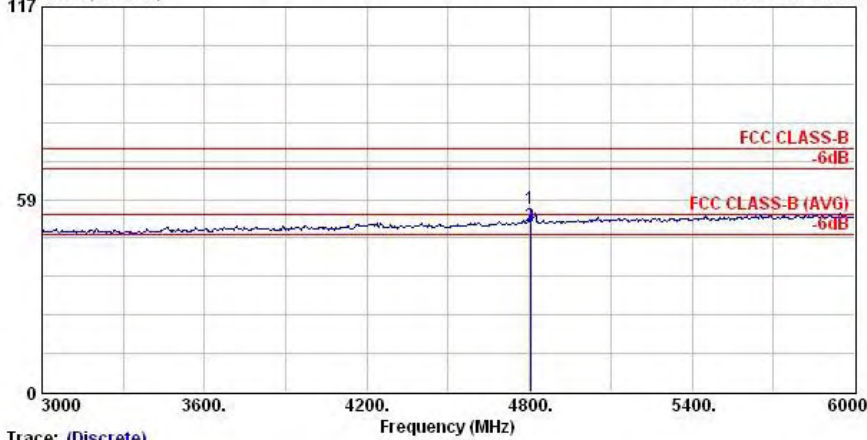
Trace: (Discrete)
 Site : 08CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120V_{ac}/60Hz
 Model : PG
 Memo : BT TX_CM00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2208.0	53.51	-20.49	74.00	55.08	30.18	3.56	35.31	100	0	Peak
2 @	2208.0	40.85	-13.15	54.00	42.43	30.18	3.56	35.31	123	261	Average
3 @	2390.0	68.14	-5.86	74.00	69.58	30.26	3.75	35.46	100	0	Peak
4 @	2390.0	42.74	-11.26	54.00	44.19	30.26	3.75	35.46	100	185	Average
5 @	2412.0	76.89			78.47	30.18	3.56	35.31	100	185	Average
6 @	2412.0	114.19			15.61	30.27	3.77	35.46	100	0	Peak
7 @	2483.5	57.53	-16.47	74.00	58.89	30.29	3.86	35.51	100	0	Peak
8 @	2483.5	40.09	-13.91	54.00	41.45	30.29	3.86	35.51	100	185	Average
9 @	2615.8	64.81	-9.19	74.00	66.21	30.14	3.98	35.52	100	0	Peak
10 @	2615.8	46.24	-7.76	54.00	47.65	30.14	3.98	35.52	100	257	Average

Remark: #5 and #6 Fundamental Signal



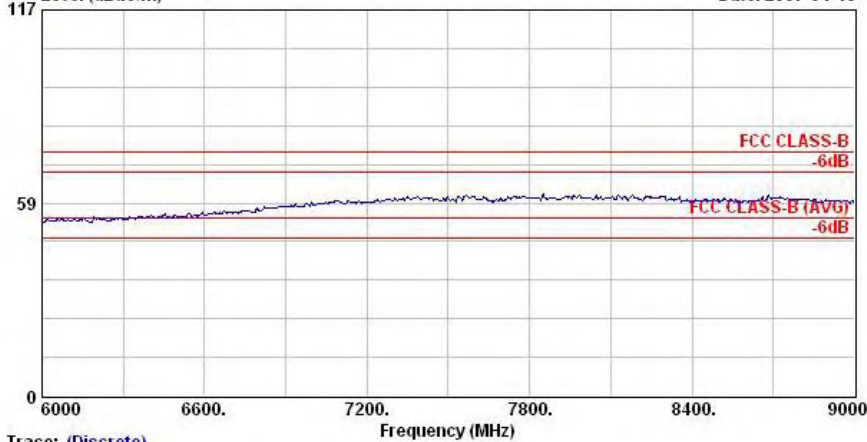
Data: 14 File: D:\Project\2007Q1\亞旭\710208\528\Part 22H\Co-location (BT+WLAN).EMI (24) Date: 2007-01-18
 Level (dBuV/m)



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CH00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	4804.0	55.52	-18.48	74.00	52.91	32.88	5.83	36.10	100	0	Peak
2 @	4804.0	50.41	-3.59	54.00	47.80	32.88	5.83	36.10	100	215	Average

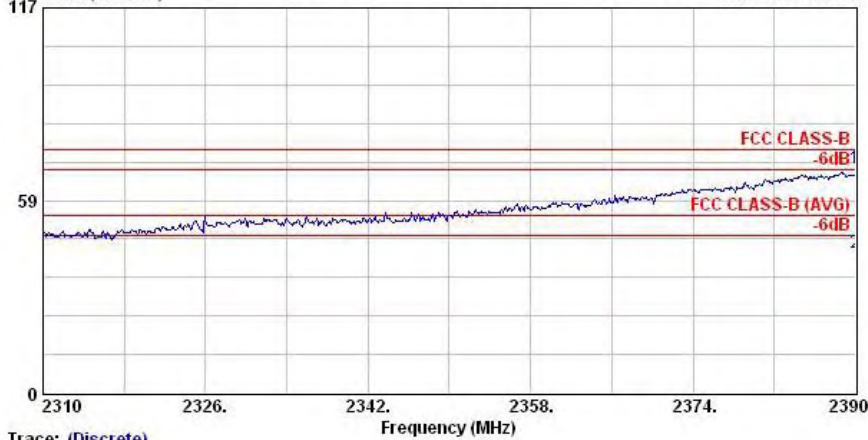
Data: 15 File: D:\Project\2007Q1\亞旭\710208\528\Part 22H\Co-location (BT+WLAN).EMI (24) Date: 2007-01-18
 Level (dBuV/m)



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : PDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CH00+WLAN 11b Tx_CM01+Adaptor
 Plane : E2



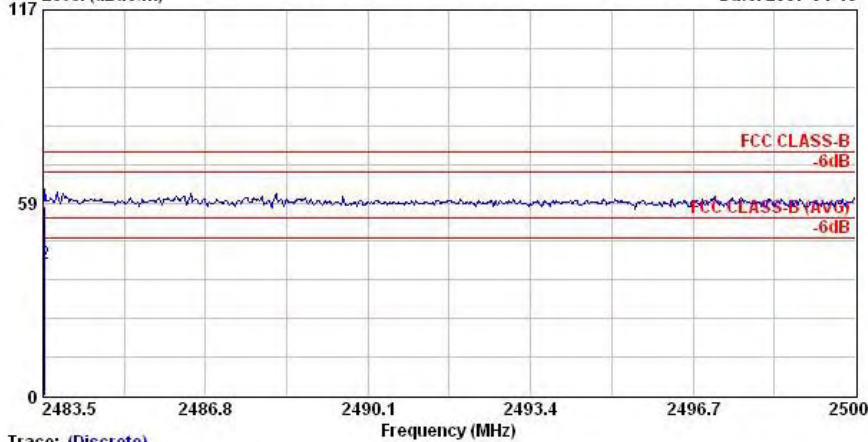
Data: 23 File: D:\Project\2007Q1\2481710208\528\Part 22H\Co-location (BT+WLAN).EMI (24) Date: 2007-01-18
 Level (dBuV/m)



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : FDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CHAN+WLAN 11b Tx_CHAN1+Adaptor
 Plane : E2

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	2390.0	68.14	-5.86	74.00	69.59	30.26	3.75	35.46	100	0	Peak
2 @	2390.0	42.74	-11.26	54.00	44.19	30.26	3.75	35.46	100	185	Average

Data: 24 File: D:\Project\2007Q1\2481710208\528\Part 22H\Co-location (BT+WLAN).EMI (24) Date: 2007-01-18
 Level (dBuV/m)



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : HF-ANT-060410 VERTICAL
 EUT : FDA with GPRS/EDGE+WLAN 11g+BT
 Power : 120Vac/60Hz
 Model : FG
 Memo : BT TX_CHAN+WLAN 11b Tx_CHAN1+Adaptor
 Plane : E2

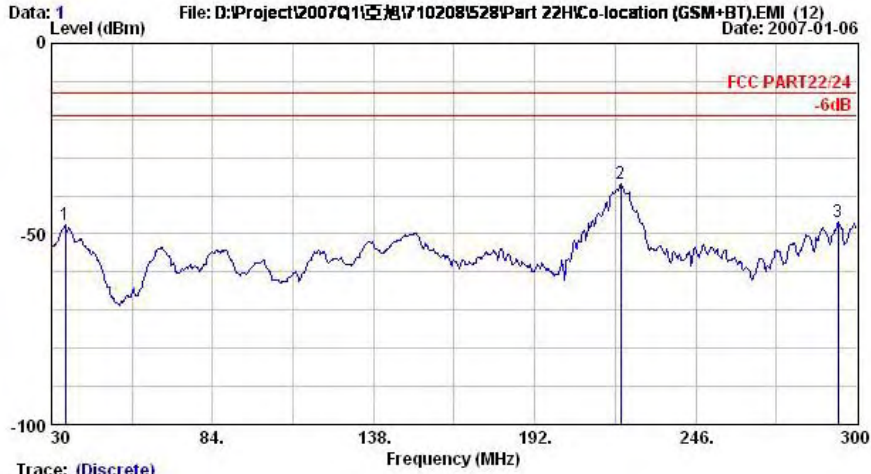
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	2483.5	57.53	-16.47	74.00	58.88	30.30	3.88	35.53	100	0	Peak
2 @	2483.5	40.09	-13.91	54.00	41.44	30.30	3.88	35.53	100	185	Average

Remark: There is no more obvious spurious emission except the listings above.



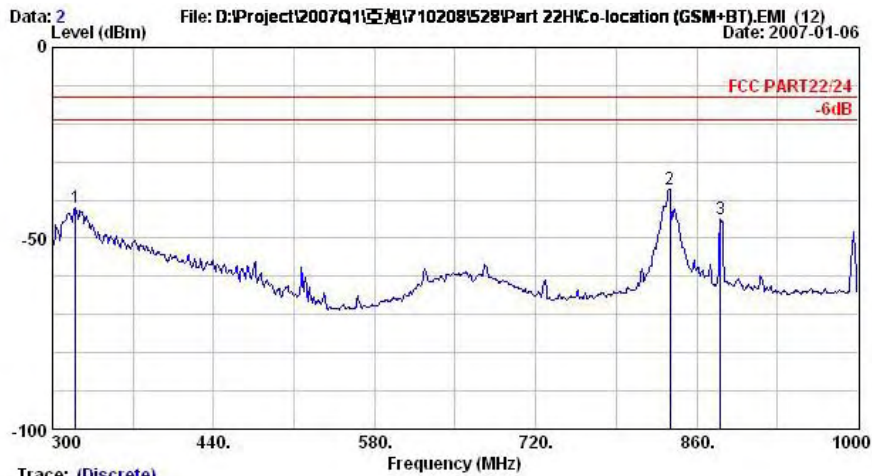
APPENDIX C. Part 22/24 RSE Data for BT+GSM Co-location

Horizontal Polarization



Trace: (Discrete)
 Site : 08CHD6-HY
 Condition : LF-SPURIOUS HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/80Hz
 Model : PG 710211
 Memo : GSM850 Link;Ch189+BT Tx_CH00+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	34.6	-47.54	-34.54	-13.00	-44.86	-2.69	Peak
2 @	220.9	-36.84	-23.84	-13.00	-24.19	-12.65	Peak
3	293.8	-46.80	-33.80	-13.00	-36.66	-10.15	Peak

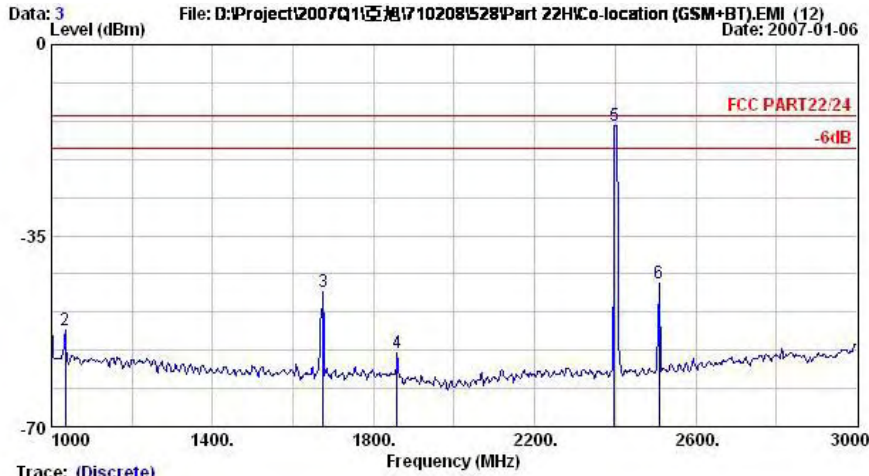


Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LF-SFURIOUS HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : PG 710211
 Memo : GSM850 Link;CH189+BT Tx_CM00+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Remark
1	320.3	-42.07	-29.07	-13.00	-32.83	-9.24	Peak
2	836.9	-37.16			-35.82	-1.33	Peak
3	880.3	-44.96			-44.05	-0.91	Peak

Remark:

- #2: MS Signal
- #3: BS Signal



Trace: (Discrete)

Site : 08CH06-HY
 Condition : HF-SPURIOUS HORIZONTAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : FG 710211
 Memo : GSM850 Link;Ch189+BT Tx_CLK00+Adaptor
 Plane : E2

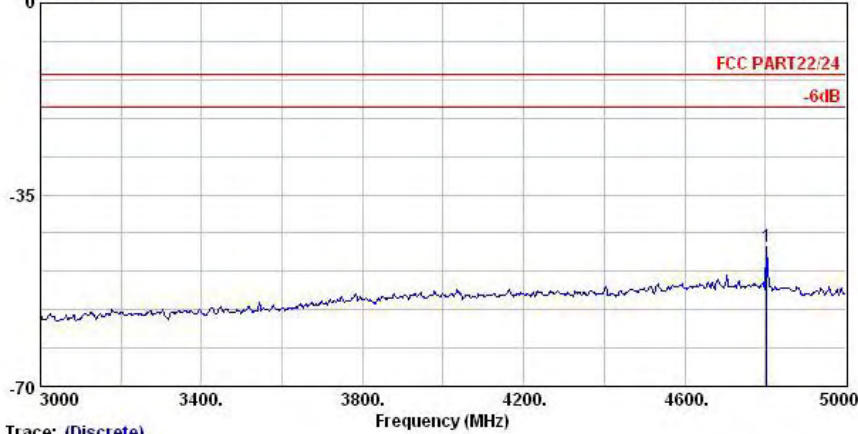
	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	
1	1000.0	-51.71	-38.71	-13.00	-53.51	1.80	Peak
2	1034.0	-52.22	-39.22	-13.00	-54.00	1.78	Peak
3	1674.0	-45.30	-32.30	-13.00	-45.52	0.22	Peak
4	1858.0	-56.49	-43.49	-13.00	-55.97	-0.51	Peak
5 @	2398.0	-14.72			-15.61	0.89	Peak
6	2508.0	-43.69	-30.69	-13.00	-44.88	1.20	Peak

Remark:

- #5: BT Signal



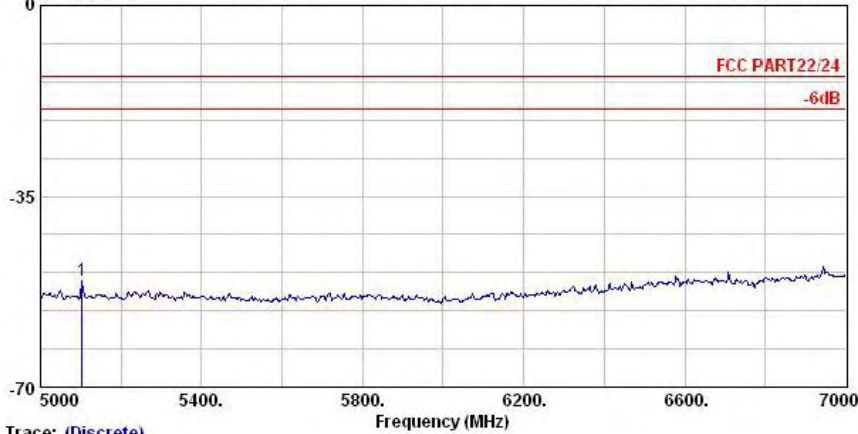
Data: 4 File: D:\Project\2007Q1\区域\710208\528\Part 22HCo-location (GSM+BT).EMI (12) Date: 2007-01-06



Site: 08CH06-HY
Condition: HF-SPURIOUS HORIZONTAL
EUT: PDA with GPRS/EDGE+WLAN11g+BT
Power: 120Vac/60Hz
Model: FG 710211
Memo: GSM850 Link;Ch189+BT Tx_CM00+Adaptor
Plane: E2

Table with 8 columns: Freq, Level, Over Limit, Limit Line, Read Level, Factor, Remark. Row 1: 4804.0, -44.60, -31.60, -13.00, -56.35, 11.75, Peak

Data: 5 File: D:\Project\2007Q1\区域\710208\528\Part 22HCo-location (GSM+BT).EMI (12) Date: 2007-01-06

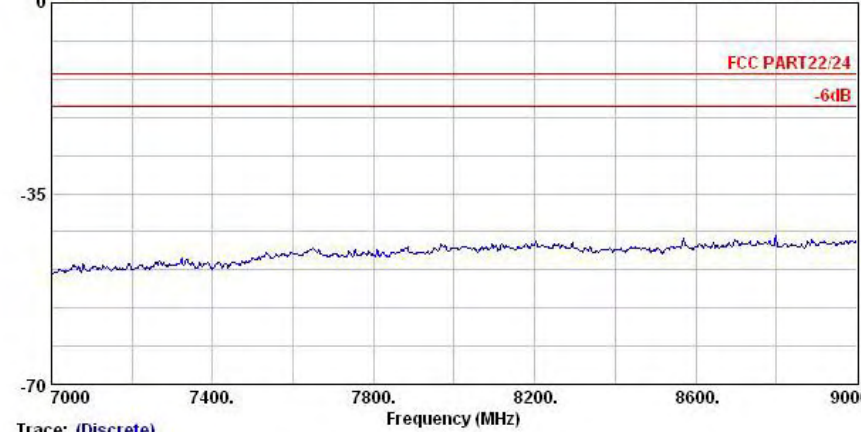


Site: 08CH06-HY
Condition: HF-SPURIOUS HORIZONTAL
EUT: PDA with GPRS/EDGE+WLAN11g+BT
Power: 120Vac/60Hz
Model: FG 710211
Memo: GSM850 Link;Ch189+BT Tx_CM00+Adaptor
Plane: E2

Table with 8 columns: Freq, Level, Over Limit, Limit Line, Read Level, Factor, Remark. Row 1: 5104.0, -50.59, -37.59, -13.00, -60.71, 10.12, Peak



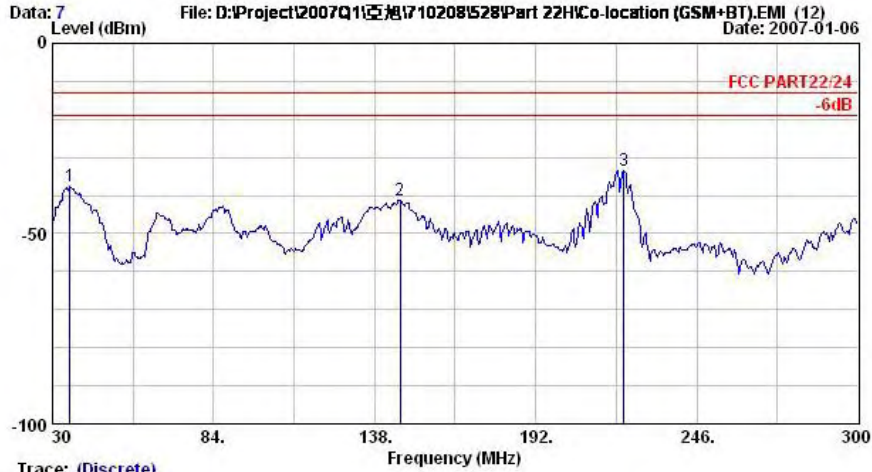
Data: 6 File: D:\Project\2007Q1\亞旭\710208\528\Part 22\Co-location (GSM+BT).EMI (12) Date: 2007-01-06



Trace: (Discrete)
Site : 08CH06-HY
Condition : HF-SPURIOUS HORIZONTAL
EUT : PDA with GPRS/EDGE+WLAN11g+BT
Power : 120Vac/60Hz
Model : PG 710211
Memo : GSM850 Link;CM189+BT Tx_CM00+Adaptor
Plane : E2

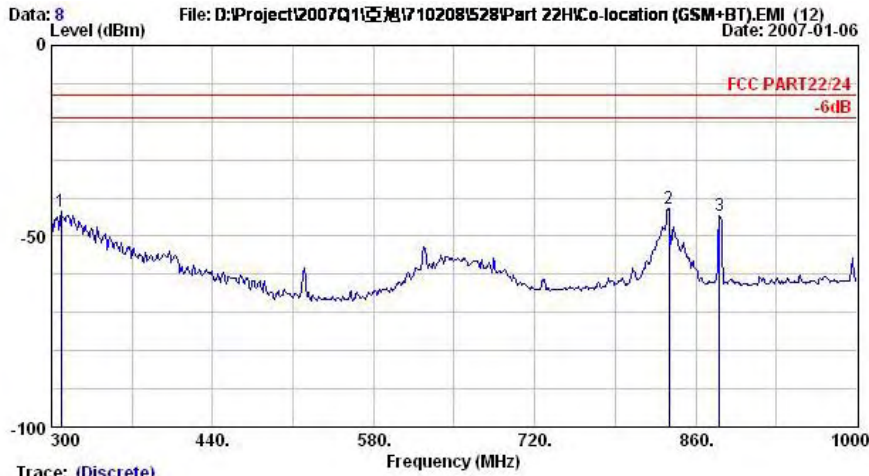


Vertical Polarization



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : LF-SPURIOUS VERTICAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : PG 710211
 Memo : GSM850 Link;Ch189+BT Tx_CM00+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Remark
1	35.9	-37.54	-24.54	-13.00	-26.82	-10.71	Peak
2	146.6	-41.41	-28.41	-13.00	-33.30	-8.11	Peak
3 @	221.4	-33.38	-20.38	-13.00	-25.25	-8.14	Peak

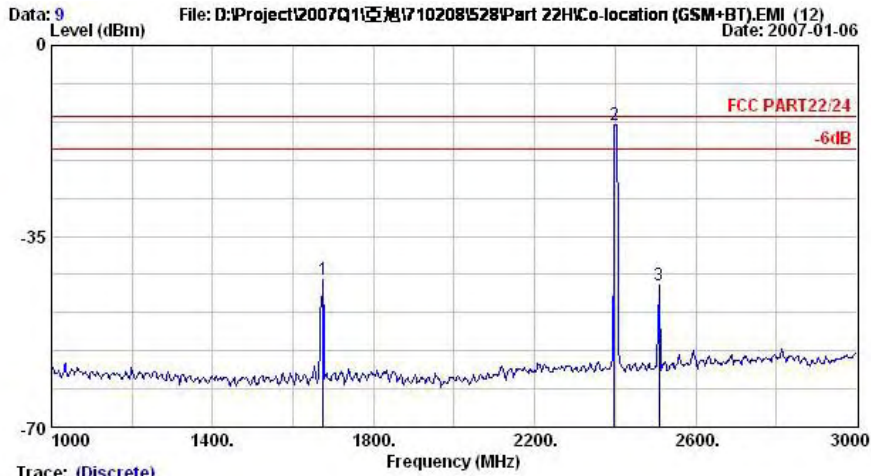


Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LF-SFURIOUS VERTICAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : PG 710211
 Memo : GSM850 Link;CH189+BT Tx_CM00+Adaptor
 Plane : E2

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Remark
			dB	dBm	dBm	dB	
1	308.4	-43.64	-30.64	-13.00	-37.37	-6.27	Peak
2	836.9	-42.73			-44.09	1.36	Peak
3	880.3	-44.54			-46.25	1.71	Peak

Remark:

- #2: MS Signal
- #3: BS Signal



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : HF-SFURIOUS VERTICAL
 EUT : PDA with GPRS/EDGE+WLAN11g+BT
 Power : 120Vac/60Hz
 Model : PG 710211
 Memo : GSM850 Link;CM189+BT Tx_CM00+Adaptor
 Plane : E2

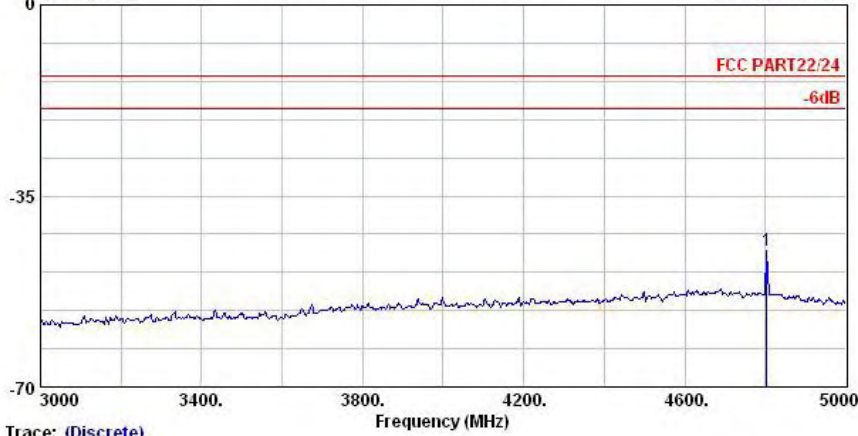
	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	
1	1674.0	-42.82	-29.82	-13.00	-42.34	-0.48	Peak
2 @	2398.0	-14.45			-16.32	1.87	Peak
3	2508.0	-44.04	-31.04	-13.00	-46.31	2.27	Peak

Remark:

1. #2: BT Signal



Data: 10 Level (dBm) File: D:\Project\2007Q1\亞旭\710208\528\Part 22H\Co-location (GSM+BT).EMI (12) Date: 2007-01-06

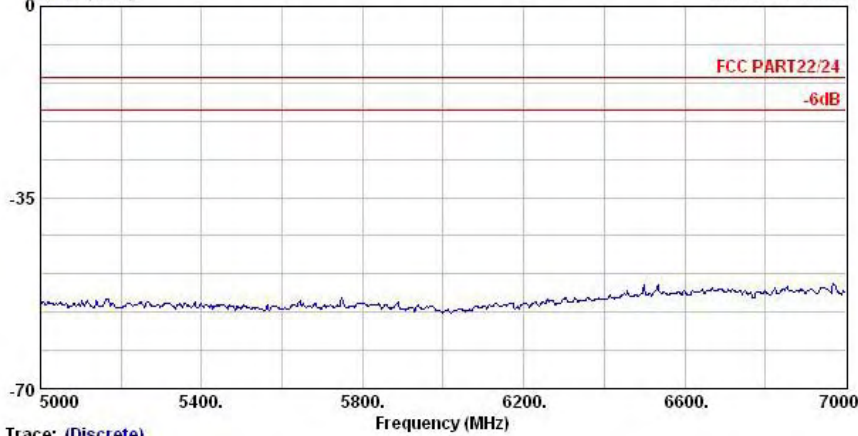


Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : PDA with GPRS/EDGE+WLAN11g+BT
Power : 120Vac/60Hz
Model : PG 710211
Memo : GSM850 Link;Ch189+BT Tx_CM00+Adaptor
Plane : E2

Table with 7 columns: Freq (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Factor (dB), Remark. Row 1: 4804.0, -44.97, -31.97, -13.00, -55.41, 10.44, Peak

Data: 11 Level (dBm) File: D:\Project\2007Q1\亞旭\710208\528\Part 22H\Co-location (GSM+BT).EMI (12) Date: 2007-01-06

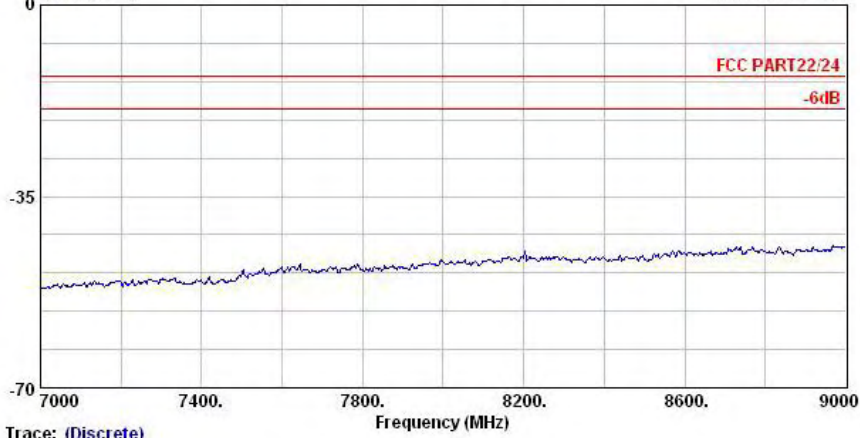


Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-SPURIOUS VERTICAL
EUT : PDA with GPRS/EDGE+WLAN11g+BT
Power : 120Vac/60Hz
Model : PG 710211
Memo : GSM850 Link;Ch189+BT Tx_CM00+Adaptor
Plane : E2



Data: 12 File: D:\Project\2007Q1\亞旭\710208\528\Part 22\Co-location (GSM+BT).EMI (12) Date: 2007-01-06
Level (dBm)



Trace: (Discrete)
: 08CH06-HY
: HF-SPURIOUS VERTICAL
: PDA with GPRS/EDGE+WLAN11g+BT
: 120Vac/60Hz
: PG 710211
: GSM850 Link;CH189+BT Tx_CM00+Adaptor
: E2

Site
Condition
EUT
Power
Model
Memo
Plane