

FCC CERTIFICATION REPORT

Test Report No.: EI/2012/60013

Applicant : Motorola Mobility Inc.

Address of Applicant : 9 F., No.9, Songgao Rd., Taipei 110, Taiwan, R.O.C.

Equipment Under Test (EUT) :

Product Name: Silver Smart

Marketing Name: MOTOSMART Me

Brand Name : Motorola

Type Name : M0D4D

Model No. : XT303 (GPPD:3405)

FCC ID : IHDT56NX2

Added Model(s) : N/A

Standards : FCC Part 15:2010, Subpart B, Class B

Date of Receipt : Jun. 22, 2012

Date of Test : Jun. 22 ~ Jul. 06, 2012

Date of Issue : Jul. 13, 2012

Test Result :	PASS
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In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Test By:

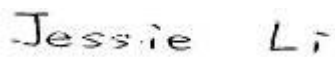


Date

Jul. 13, 2012

Jimmy Liu / Engineer

Prepared By:



Date

Jul. 13, 2012

Jessie Li(Clerk)

Approved By



Date

Jul. 13, 2012

Jim Chang / Supervisor

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Version

Version No.	Description	Date
00	Original report	Jul. 13, 2012

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1. General Information

1.1 Applicant & Manufacturer Information

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Address of Applicant : 9 F., No.9, Songgao Rd., Taipei 110, Taiwan, R.O.C.

1.2 General Description of EUT

Product Name: Silver Smart

Marketing Name: MOTOSMART Me

Brand Name : Motorola

Type Name : M0D4D

Model No. : XT303 (GPPD:3405)

FCC ID : IHDT56NX2

Added Model(s) : N/A

Model Difference : N/A

Filing Type : Certification

Bluetooth:

Frequency Range:	2402 – 2480MHz
Bluetooth Version:	V3.0 +HS
Channel number:	79 channels
Modulation type:	GFSK+ π /4DQPSK+8DPSK
Transmit Power:	7.23 dBm (Peak)
Dwell Time:	<= 0.4s
Operating Mode:	Point-to-Point
Antenna Designation:	Embedded inverted-F antenna, -0.57 dBi

This test report applies for Bluetooth function.

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GSM/ WCDMA:

Cellular Phone Standards Frequency Range and Power:	Operating Frequency		Rated Power
	GSM/GPRS 850, Class 10	824.2 MHz– 848.8 MHz	32.8 dBm
	GSM/GPRS 1900, Class 10	1850.2MHz – 1909.8MHz	29.5 dBm
	WCDMA/HSUPA/ HSDPA Band V	826.4MHz – 846.6MHz	23.0 dBm
Type of Emission:	GSM850: 248KGXW, GSM1900: 246KGXW GPRS850: 250KGXW, GPRS1900: 249KGXW WCDMA Band V: 4M18F9W HSDPA Band V: 4M21F9W HSUPA Band V: 4M18F9W		
Hardware Version:	P2		
Software Version:	SILVS_W_07.13.01R_S		

WLAN: 802.11 b/g/n

Frequency Range& Channel Number	802.11 b/g: 2412-2462MHz, 11 channels 802.11 n_20MHz: 2412-2462MHz, 11 channels
Rated Power	802.11 b: 18.71dBm 802.11 g: 16.78dBm 802.11 n_20MHz: 15.98dBm
Modulation type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Transition Rate:	802.11 b: 1/2/5.5/11 Mbps; 802.11 g: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5-72.2Mbps
Antenna Designation	Embedded inverted-F antenna, -0.77dBi

The EUT is compliance with IEEE 802.11 b/g/n Standard.

This report applies for frequency bands: 2412MHz – 2462MHz.

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1.3 Details of EUT

Data Cable (USB):	Model No.: SKN6378A, Supplier: Motorola	
Simple Hands-free (SHF):	Model No.: SJYN0760A, Supplier: Motorola	
Hardware Version:	P2	
Software Version:	SILVS_W_07.13.01R_S	
Power Supply:	3.7Vdc form Li-Ion battery or 5.1Vdc form adapter	
	Adaptor:	Model No.: SPN5513B(FMP5504A) Supplier: Motorola
	Battery:	Model No.: BF5X Supplier: Motorola

Silver					
		Config 1	Config 2	Config 3	Config 4
	Applicable standard (FCC)	Part 15B			
	Accessories	UE + Battery + AC Adaptor +USB Cable + SHF	UE + Battery +USB Cable + SHF	UE + Battery + AC Adaptor +USB Cable + SHF	UE + Battery + AC Adaptor +USB Cable + SHF
	Main Function	Speech	Data link	Camera	FM MODE
	Additional Function	BT+WIFI+GPS	Data link	FULL SYSTEM	FM MODE
	Description				
	radiated emission	GSM850/1900& WCDMA B5	Data link	Recording&Play Recording&MP3	FM 87.6 & FM98.0 & FM107.9
	conducted emission (DC Power)	NA	N/A	N/A	N/A
	conducted emission (AC Power)	GSM850/1900& WCDMA B5	Data link	Recording&Play Recording&MP3	FM 87.6 & FM98.0 & FM107.9

*Worst case mode:Config 1 WCDMA B5 for Conducted Emission.

Worst case mode:Config 3 Full system for Radiated Emission.

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1.4 Operation Procedure

1. Set down EUT with support units and turn on the power of all equipment.
2. Pre-test the EUT in all modes by each model, then figure the worst case out.
3. Tests under the normal operation pattern.

1.5 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
NOTEBOOK	IBM	L412	LR-ZYMYD
Radio Communication Analyzer	R&S	CMU200	N/A
GPS Signal Generator	MP9100	MP9100-090021	N/A
Mouse	HP	M-UAE96	390938-001
Printer	HP	DJ3820	CN34L181B1
Signal Generator (FM)	Levear	VP-8194D	N/A
Wireless AP	BUFFALO	WHR-HP-G54	14062514623437
BT Drive	Creative	D200	N/A

1.6 Modification List

No modification by SGS Taiwan Electronics & Communication Laboratory.

1.7 Cable List

Cable Type	Length	Shield
USB cable	0.95m	Non-shielding

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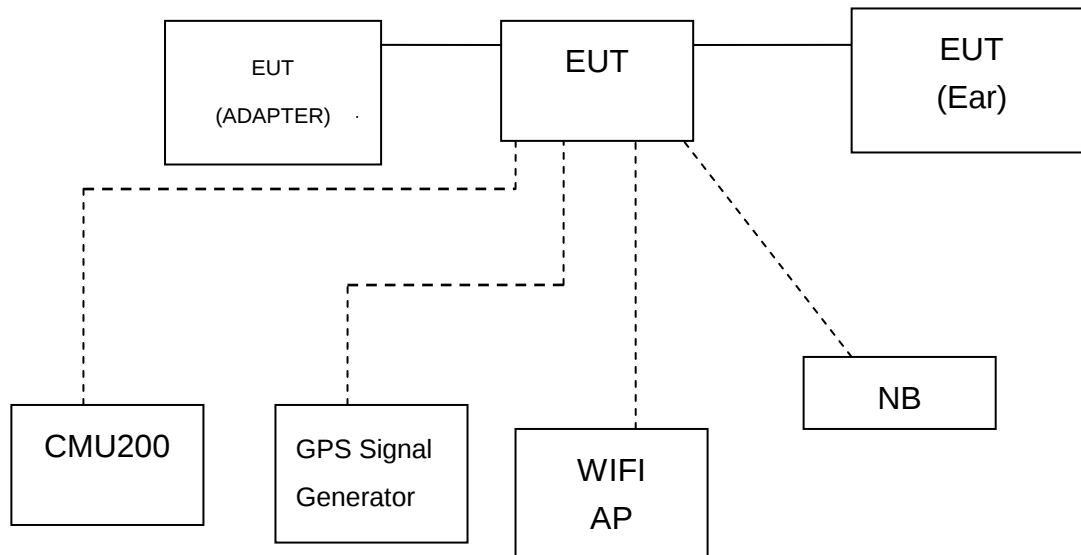
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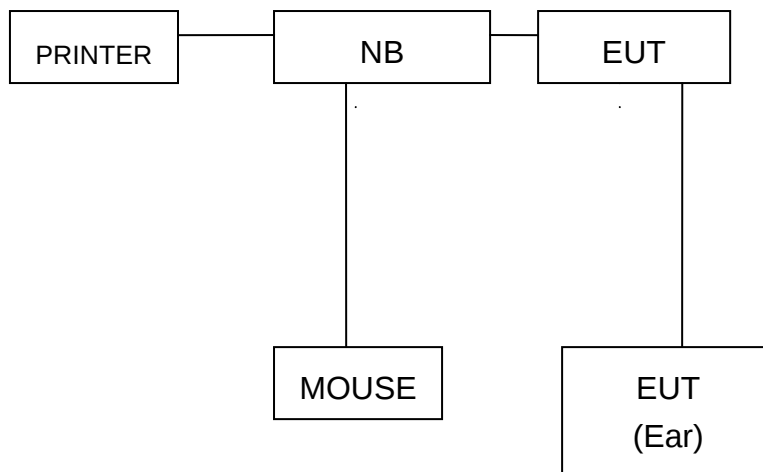
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1.8 Test Set-Up Configuration

Config1



Config2



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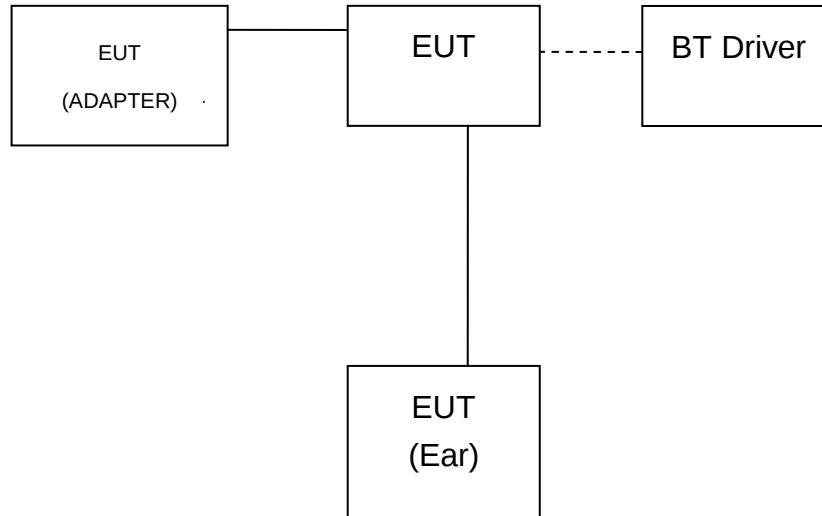
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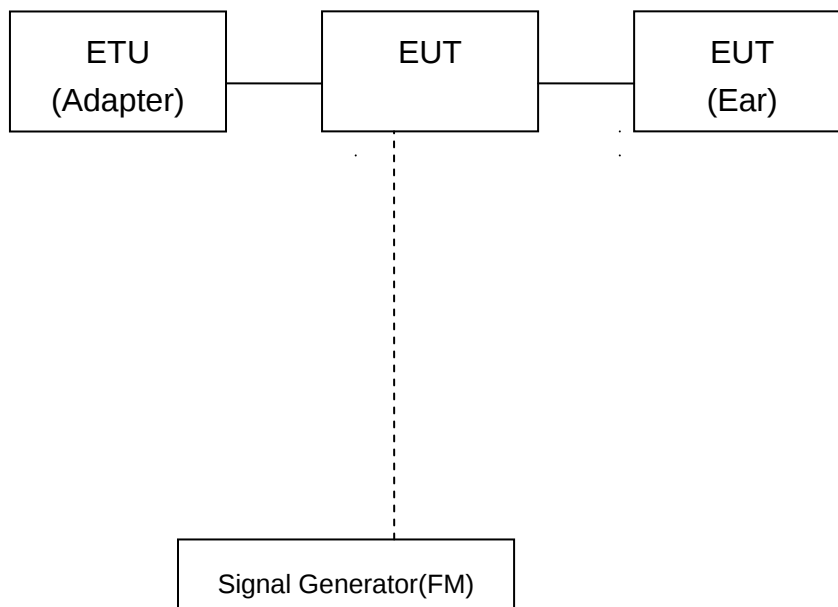
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Config3



Config4



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1.9 Measurement Procedure

Conducted Emission Testing was performed according ANSI C63.4:2003 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2003 at the 9*6*6 3m Semi-Anechoic chamber test site. The EUT was placed in a 0.8m high table along with the peripherals. The turn table was separated from the antenna distance 3meters. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for maximum. The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Reported are maximized emission levels.

1.10 Standards Applicable for Testing

Table of tests to be carried out under FCC Part 15, Subpart B

Test Standards	Status
FCC Part 15, Subpart B	Applicable
Deviation from Standard	No Deviation

1.11 Summary of Results

Highest Emission					
Standard	Test Type	Result	Phase/Polar.	Frequency (MHz)	Margin(dB)
FCC Part 15 Subpart B Class B/CISPR 22	Conducted Emission	PASS	Line	1.5322	-8.16(QP)
			Neutral	1.4931	-7.59(QP)
	Radiated Emission	PASS	Hor.	768.4600	-9.00(QP)

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2. Radio Disturbance

2.1 Test Results

	Results
Conducted Emission	Pass
Radiated Emission	Pass

2.2 Frequency Range

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

2.3 Limits Of Conducted And Radiated Emission

2.3.1 Limit Of Conducted Emission Of FCC Part 15, Subpart B/CISPR 22

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

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2.3.2 Limit Of Radiated Emissions Of FCC Part 15, Subpart B/CISPR 22

FCC Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.44	46
Above 960	49.54	54

- Detector Function : Peak , Average

FREQUENCY (MHz)	Class A (dBuV) (at 3m)		Class B (dBuV) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	79.3	59.3	73.9	53.9

CISPR Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30-230	40	30
230-1000	47	37

- Detector Function : Peak , Average – Class A

Frequency range GHz	Average Limit dB(μV/m)	Peak Limit dB(μV/m)
1 to 3	56	76
3 to 6	60	80

- Detector Function : Peak , Average – Class B

Frequency range GHz	Average Limit dB(μV/m)	Peak Limit dB(μV/m)
1 to 3	50	70
3 to 6	54	74

Note : The lower limit applies at the transition frequency.

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2.4. Test of Conducted Emission

2.4.1 Test Equipments

Description	Manufacturer	Model No.	Serial No.	Last Calibration Date	Next Calibration Date
EMI Test Receiver	ROHDE&SCHWARZ	ESCS 30	828985/004	Sep. 23, 2011	Sep. 22, 2012
Coaxial Cables	N/A	WK CE Cable	N/A	Jan. 04, 2012	Jan. 03, 2013
L.I.S.N	Rolf-Heine	NNB-2/16Z	99012	Mar. 23, 2012	Mar. 22, 2013
L.I.S.N	FCC	FCC-LISN-50/250-25-2-01	04034	Mar. 23, 2012	Mar. 22, 2013
Software	Farad	EZ-EMC-VER2A1.1(USB)	N/A	N/A	N/A

2.4.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory
No.134, Wu Kung Road. Wuku Industrial Zone, Taipei County 248, Taiwan (R.O.C.)

2.4.3 Operating Environment

Temperature : 26 degree C Humidity : 60 %RH
Atmospheric Pressure : 996 mBar

2.4.3.1 Uncertainty of Conducted Emission

Expanded uncertainty (k=2) of Conducted Emission measurement is 0.98dB.

2.4.3.2 Measurement level and Factor calculate method

Factor = LISN insertion loss + Cable loss
Measurement Level = Reading Level + Factor

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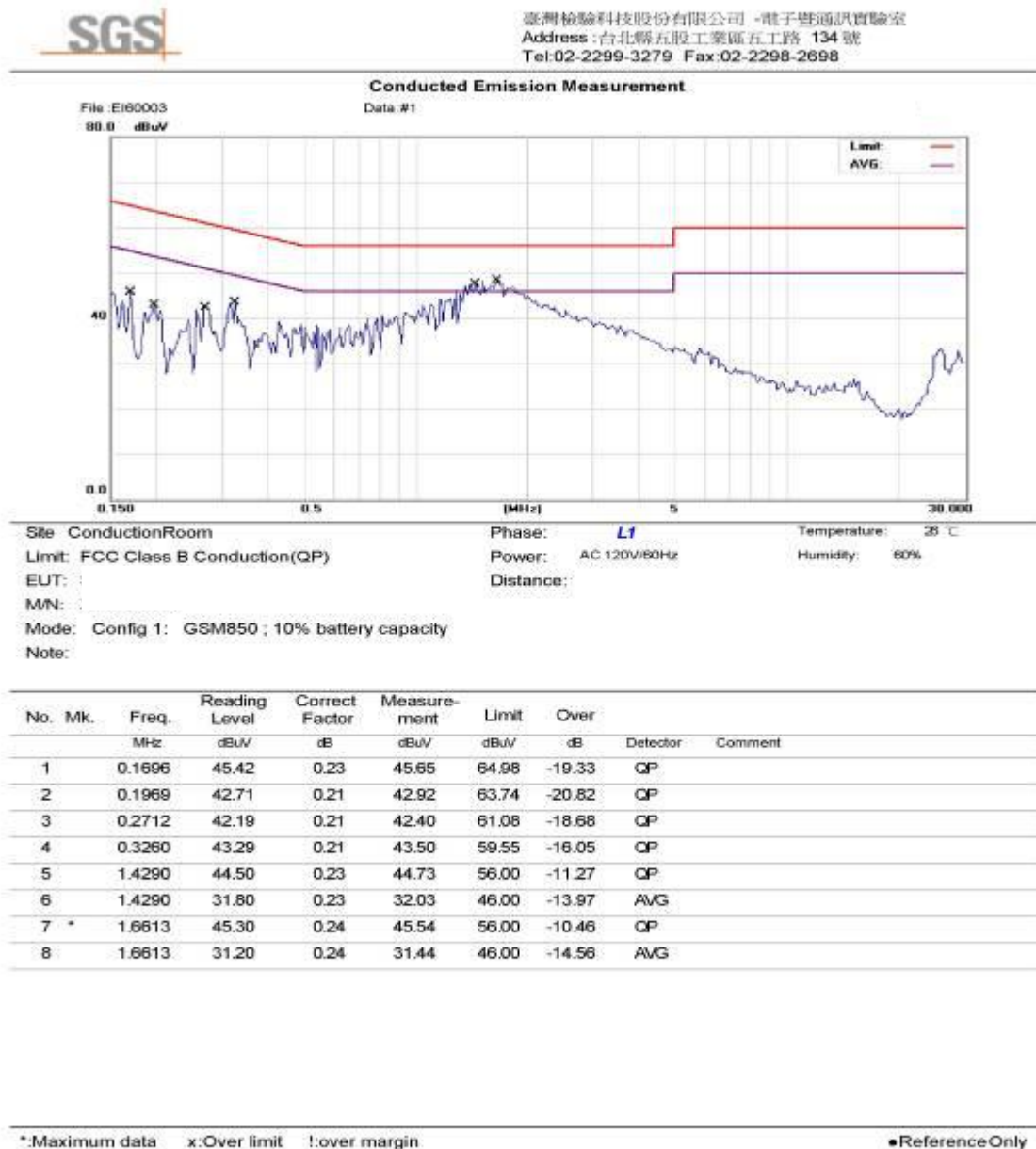
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2.4.4 Measurement Data

Config 1:GSM850

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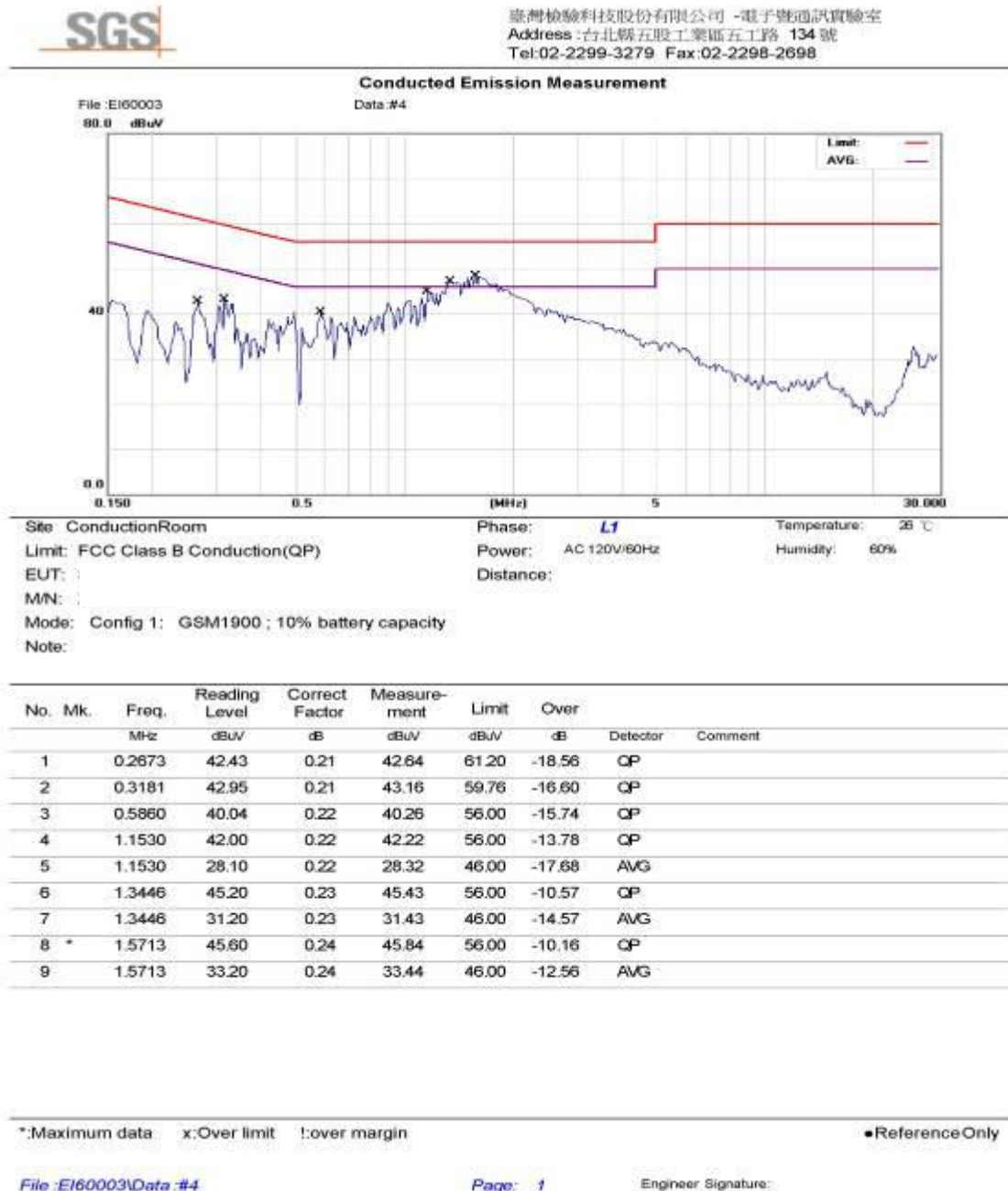
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Config 1:GSM1900

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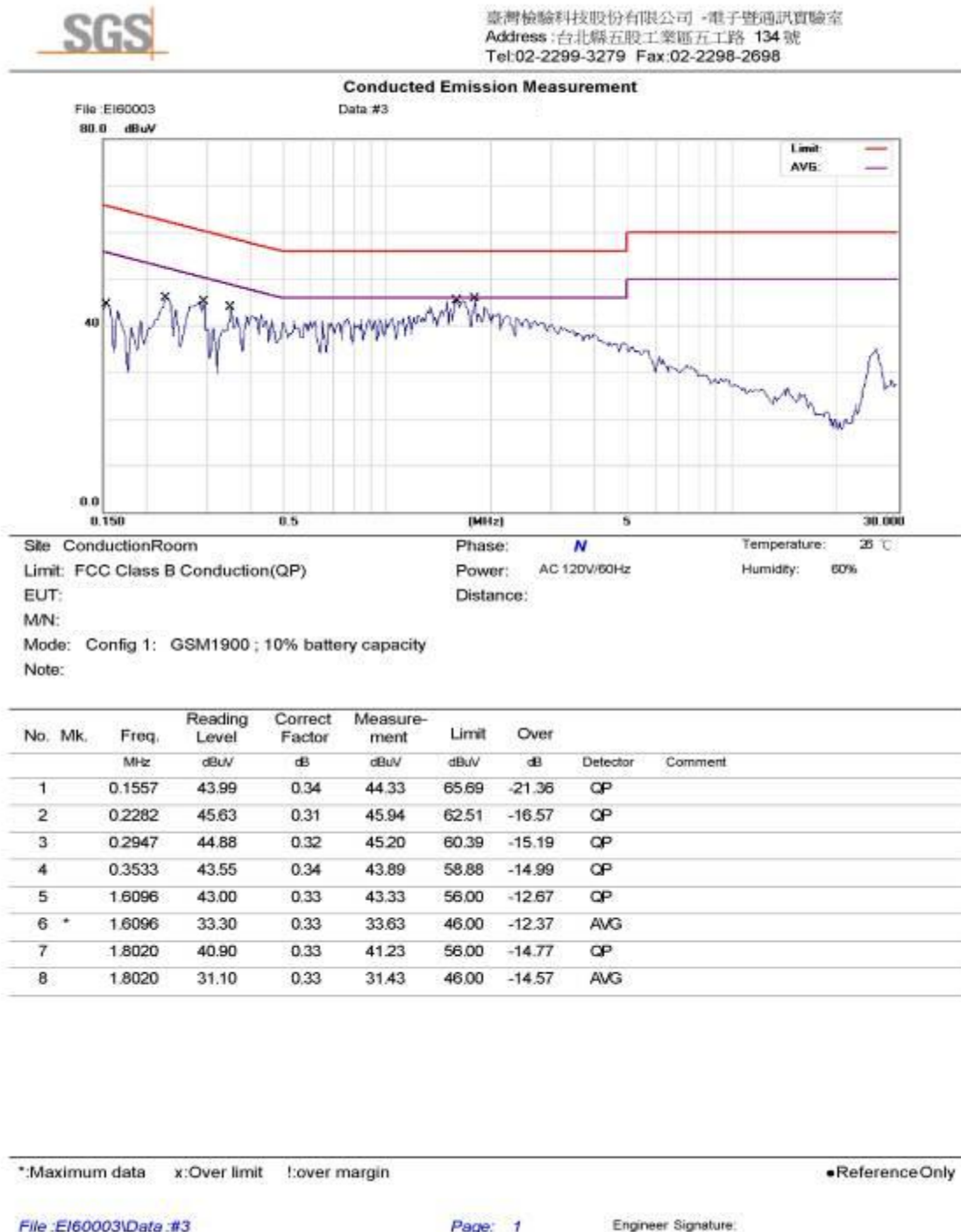
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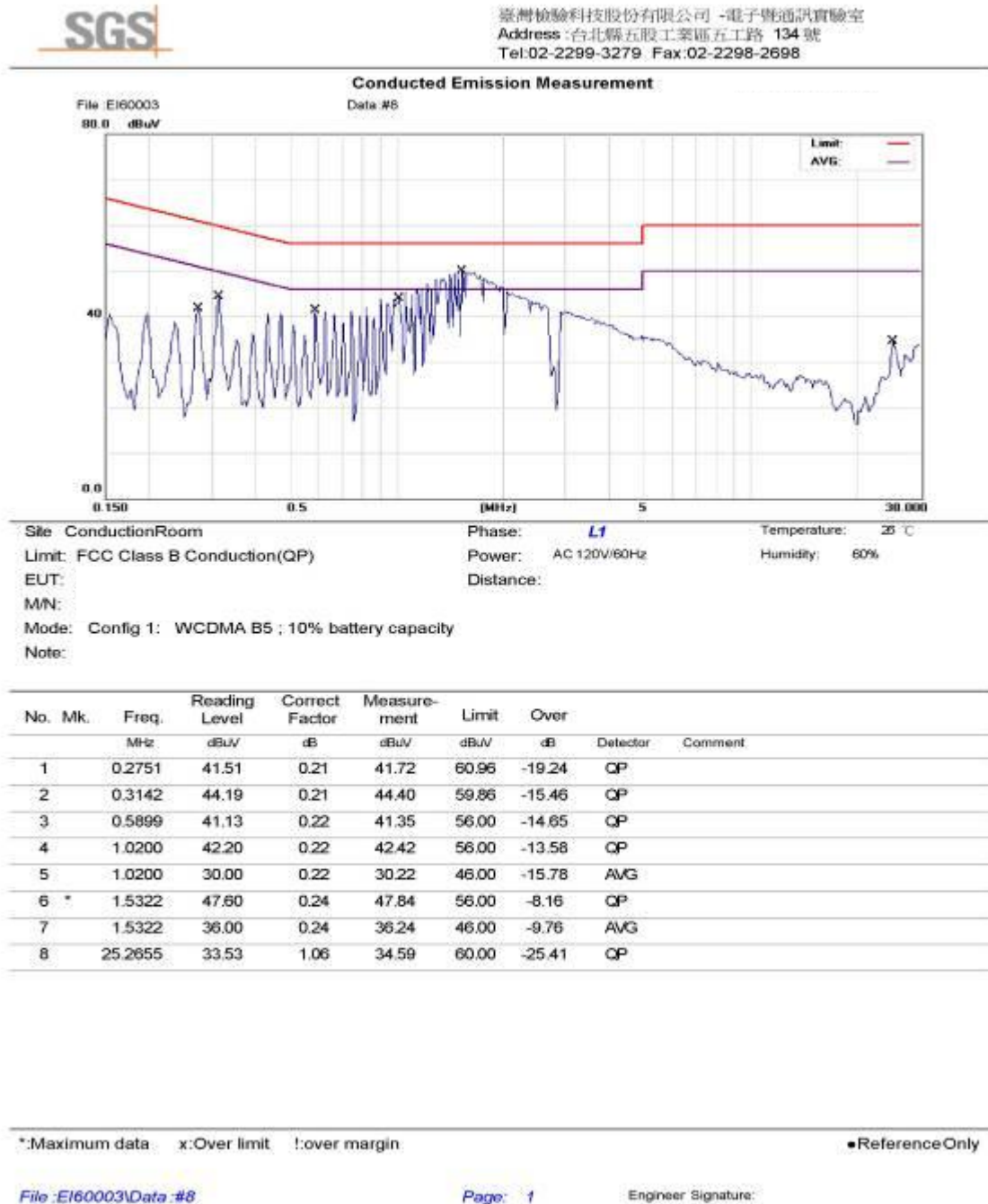
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Config 1:WCDMA B5

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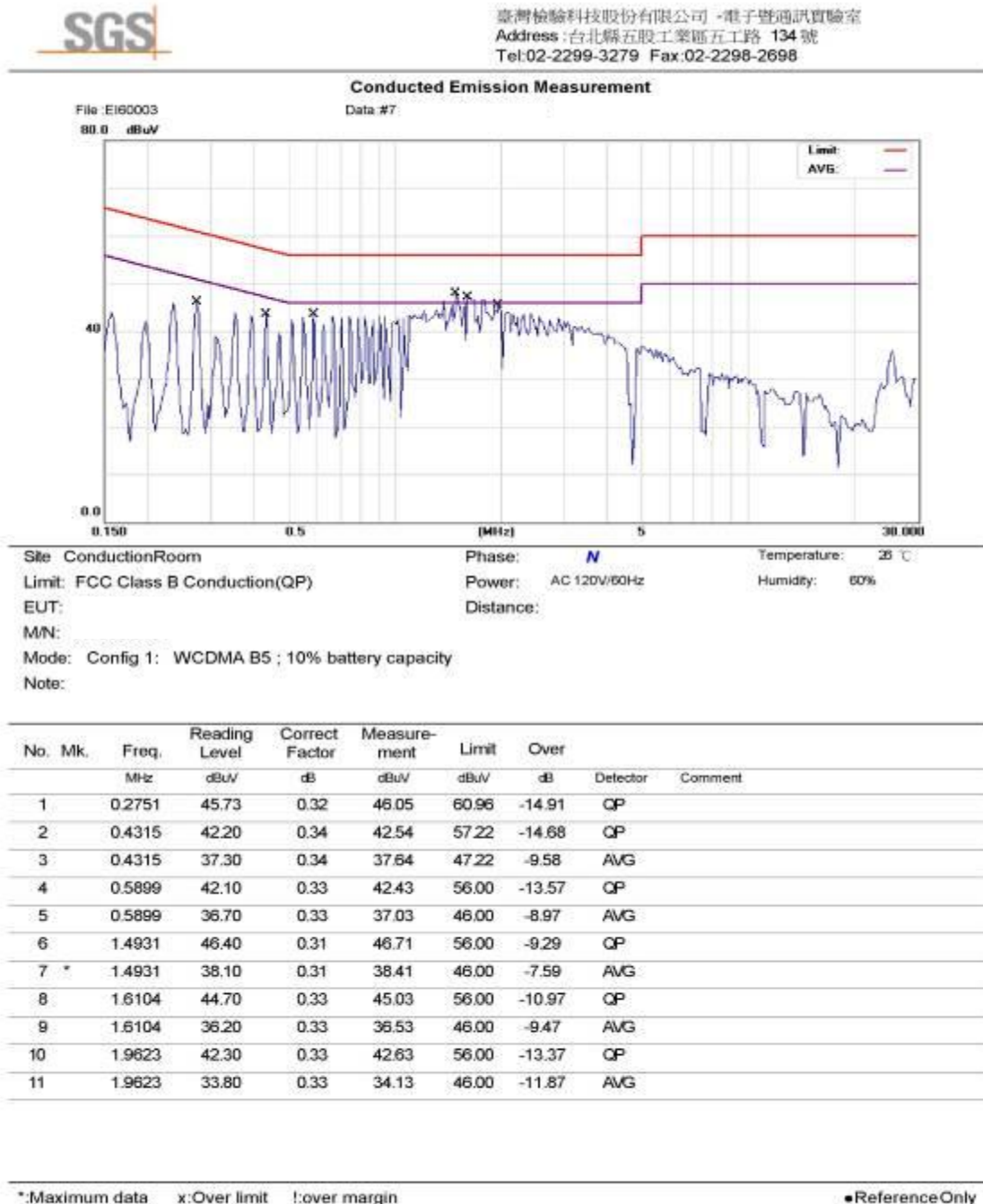
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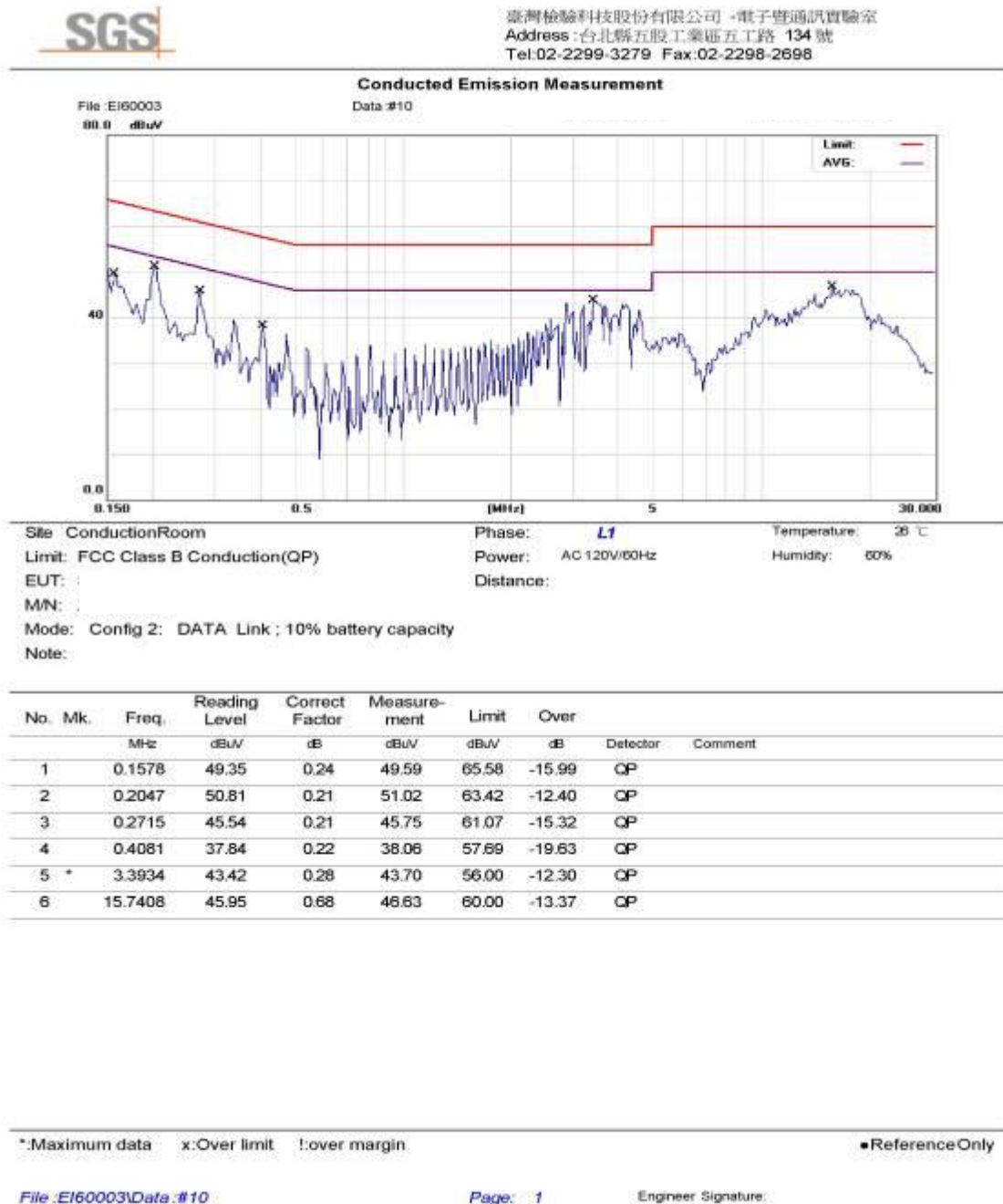
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Config 2:Data Link

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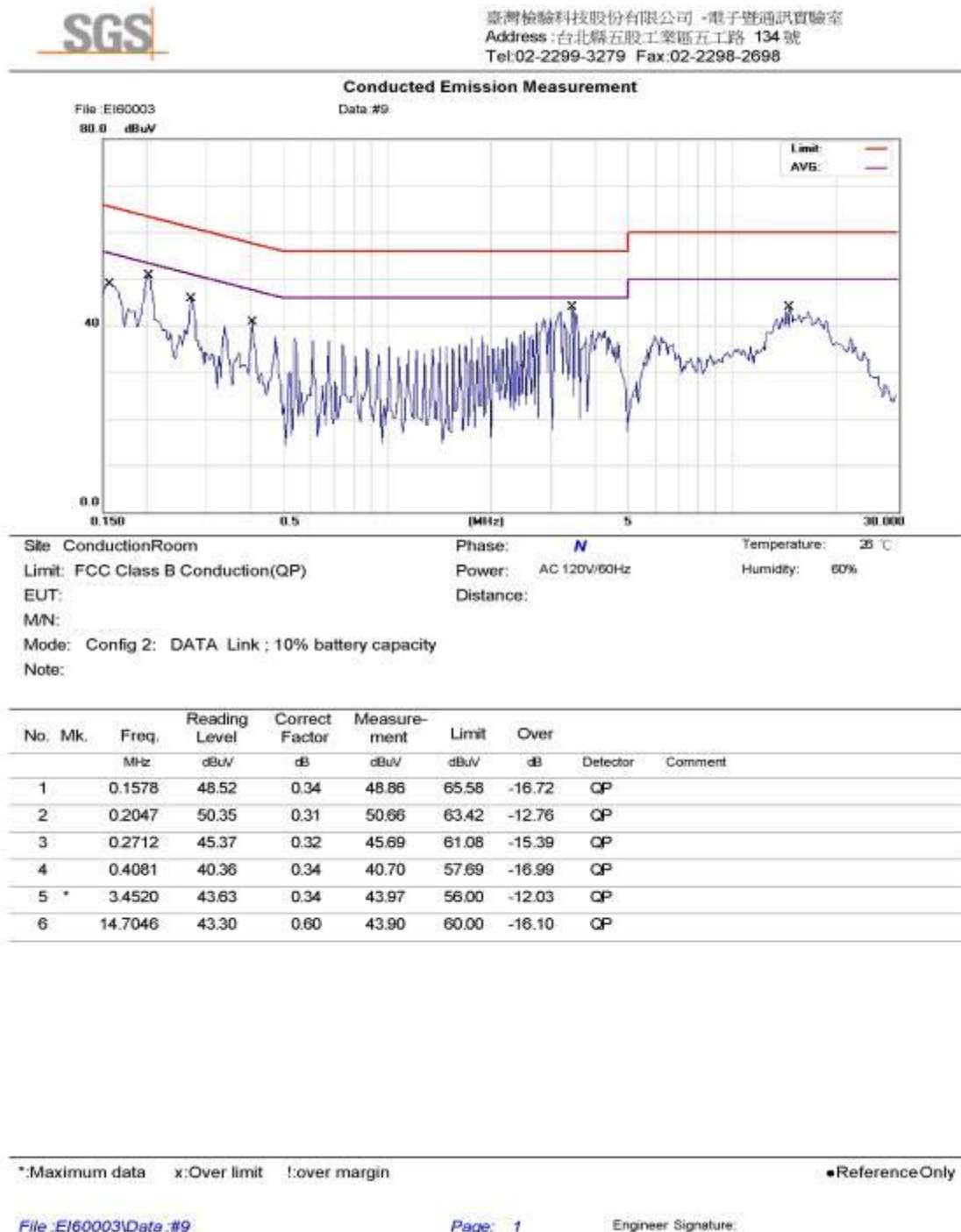
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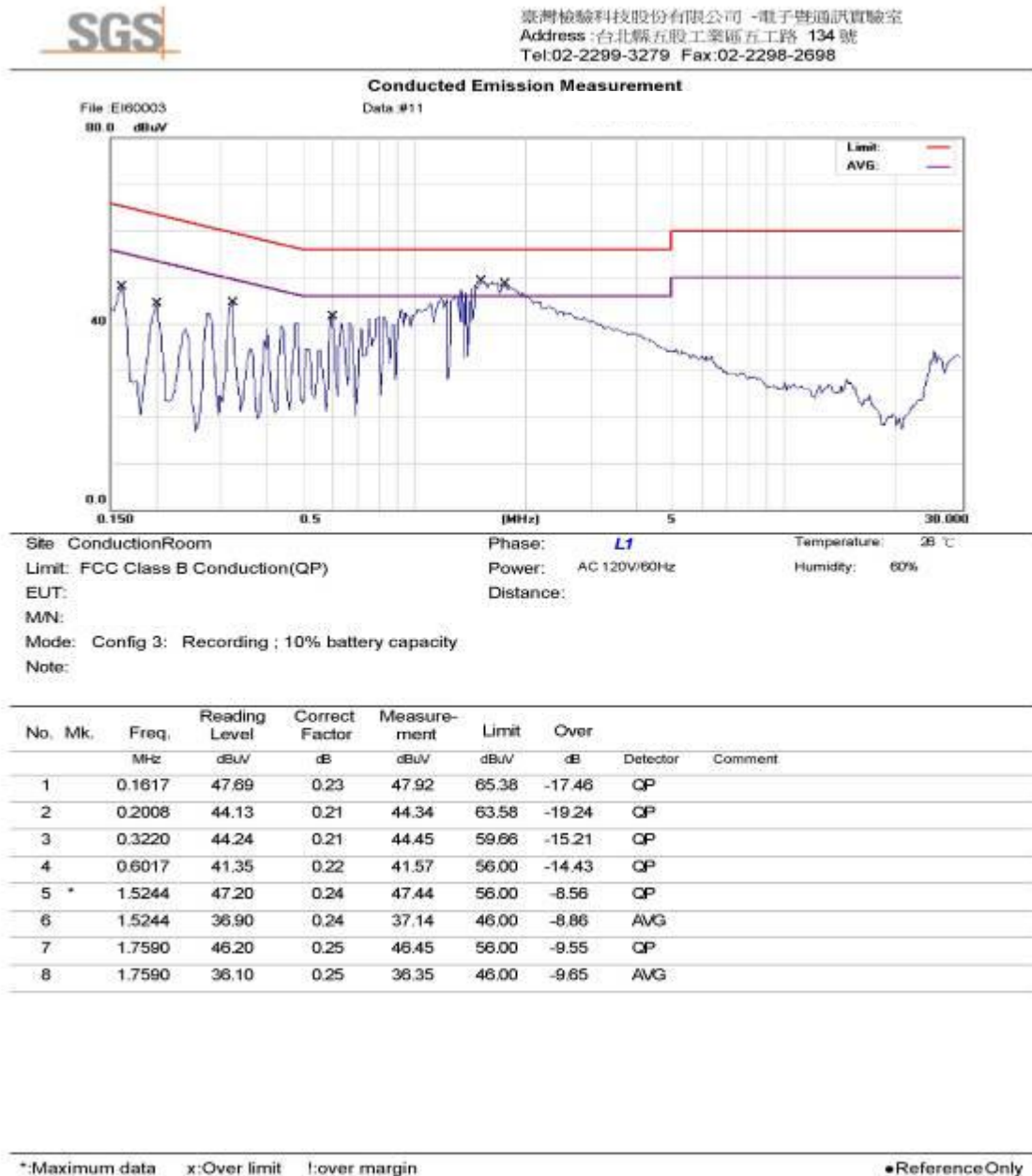
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Config 3:Recording

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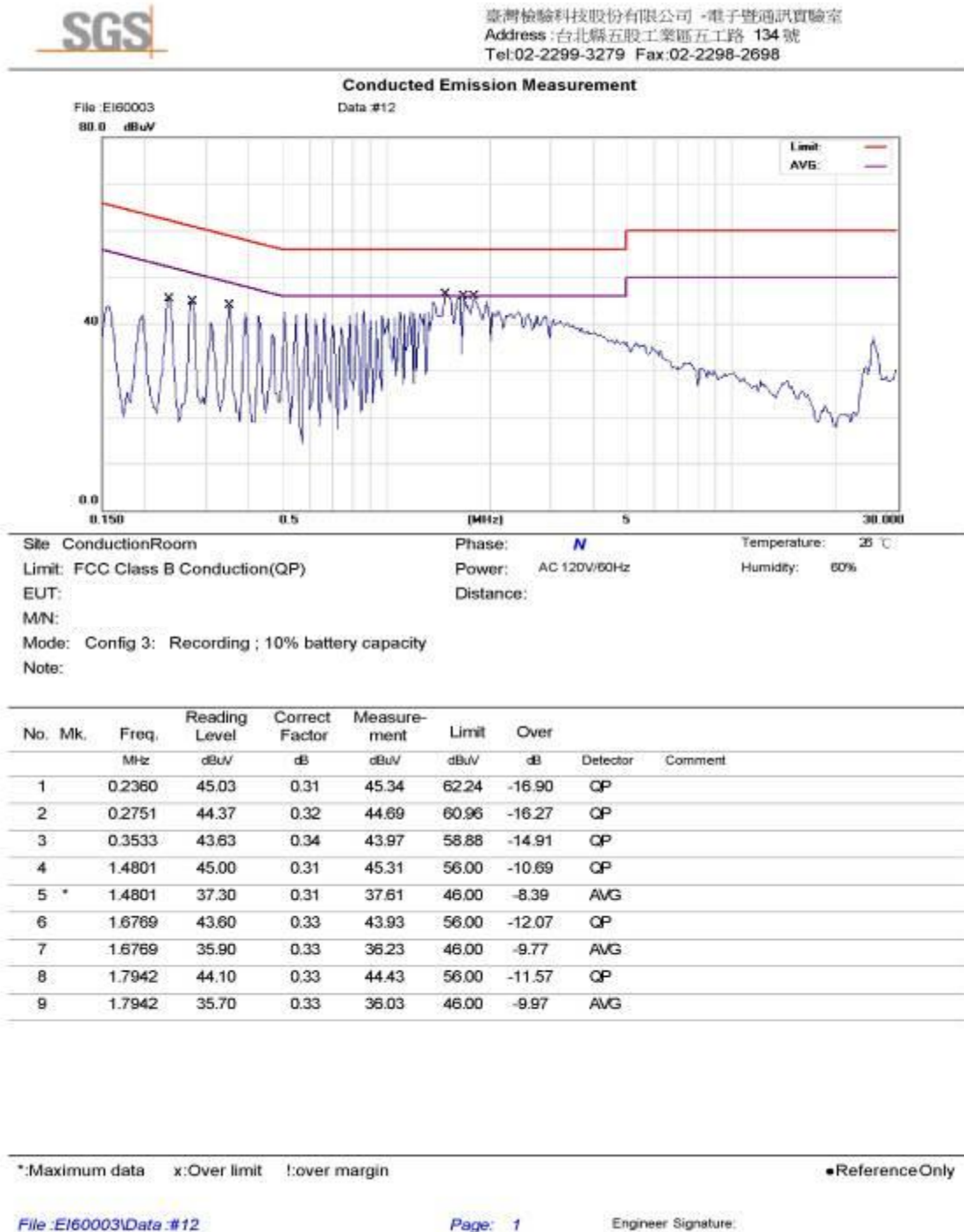
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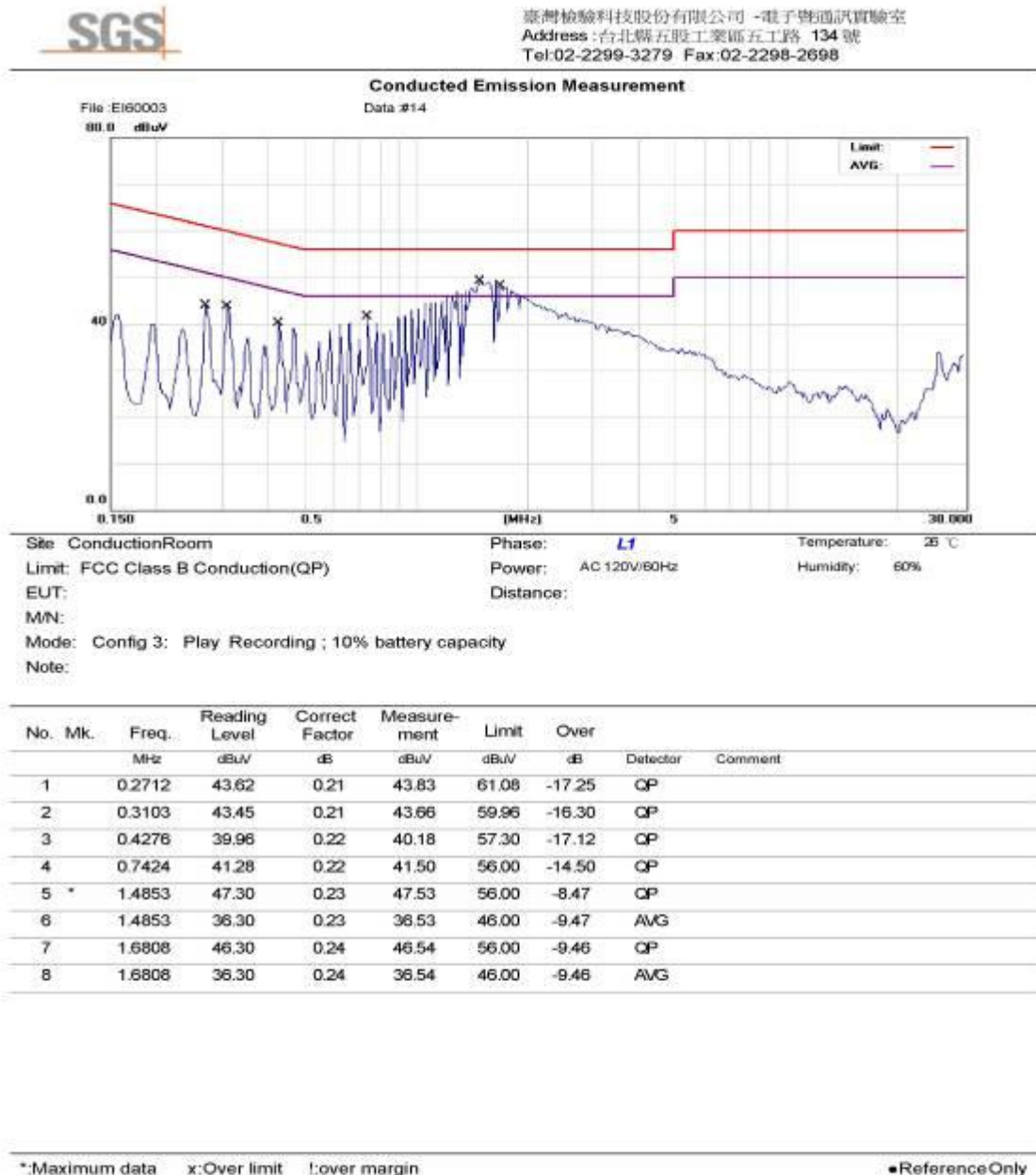
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Config 3: Play Recording

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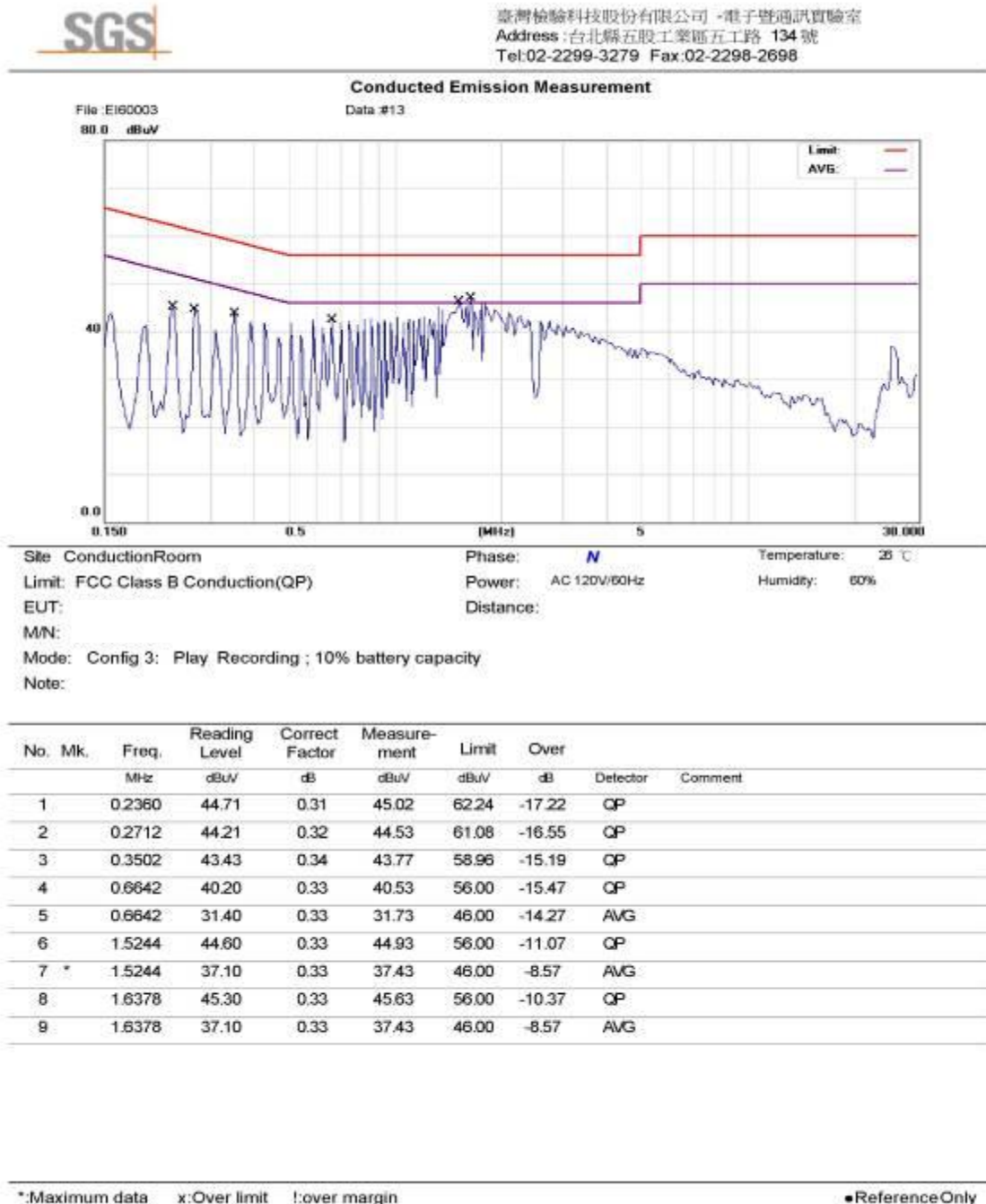
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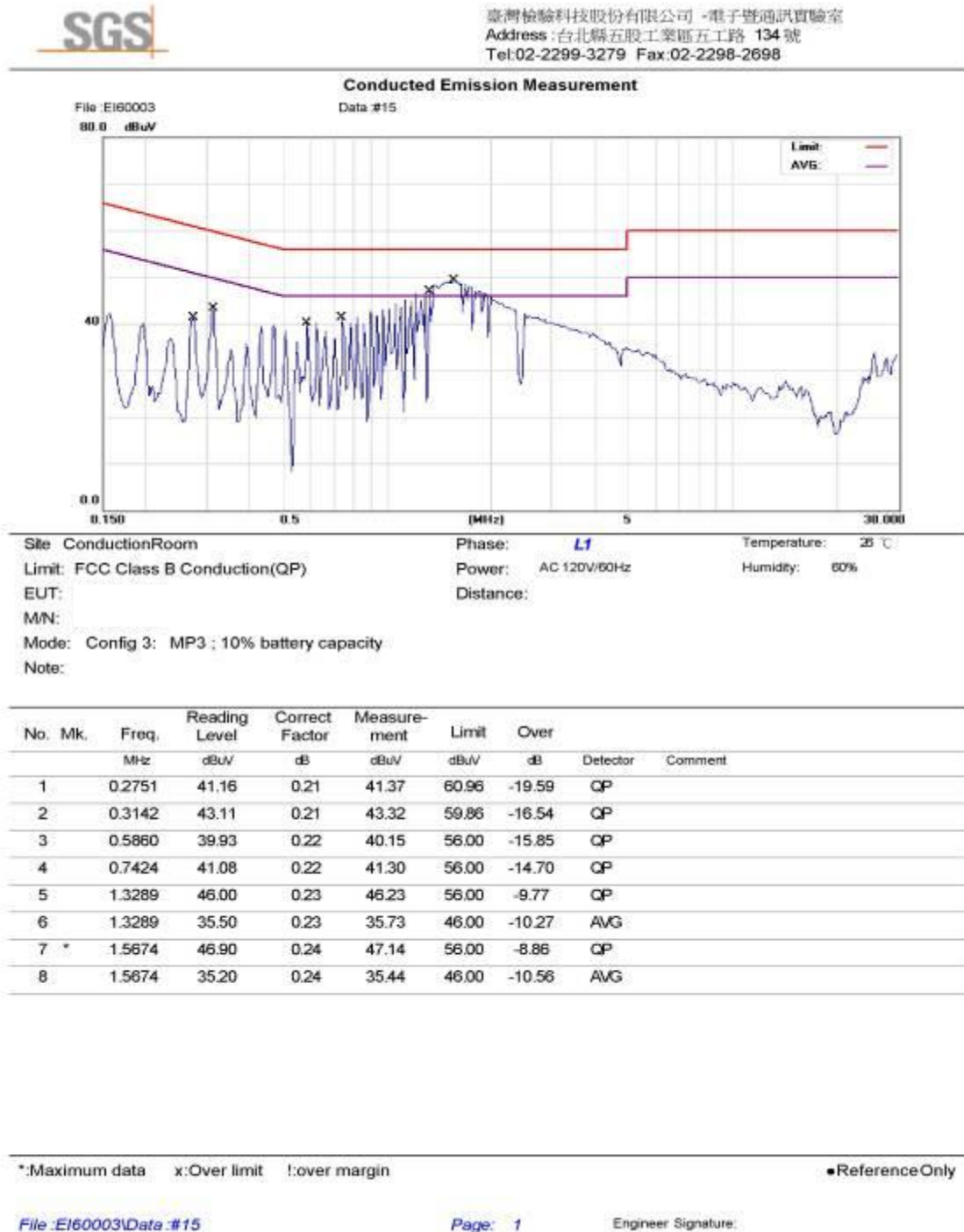
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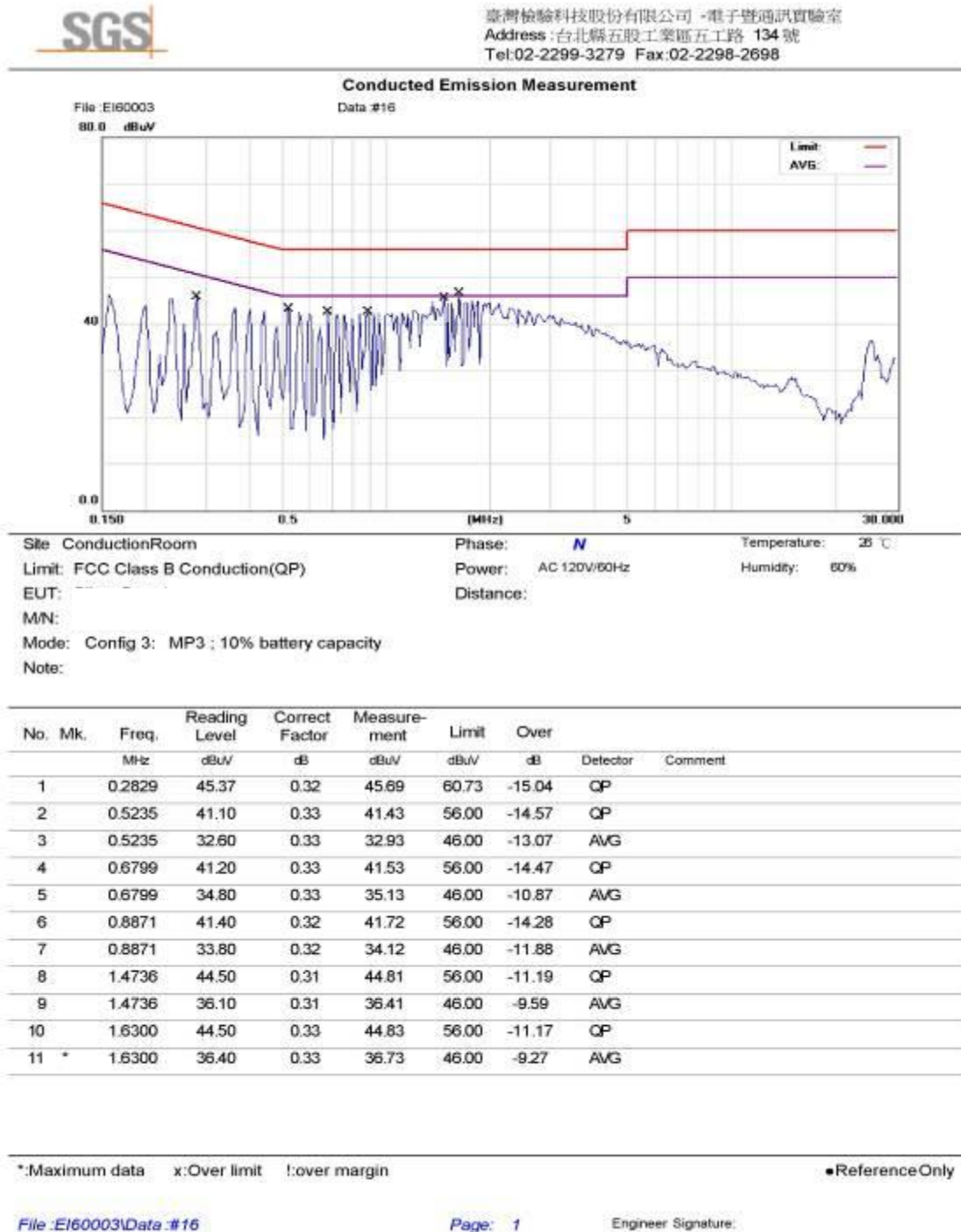
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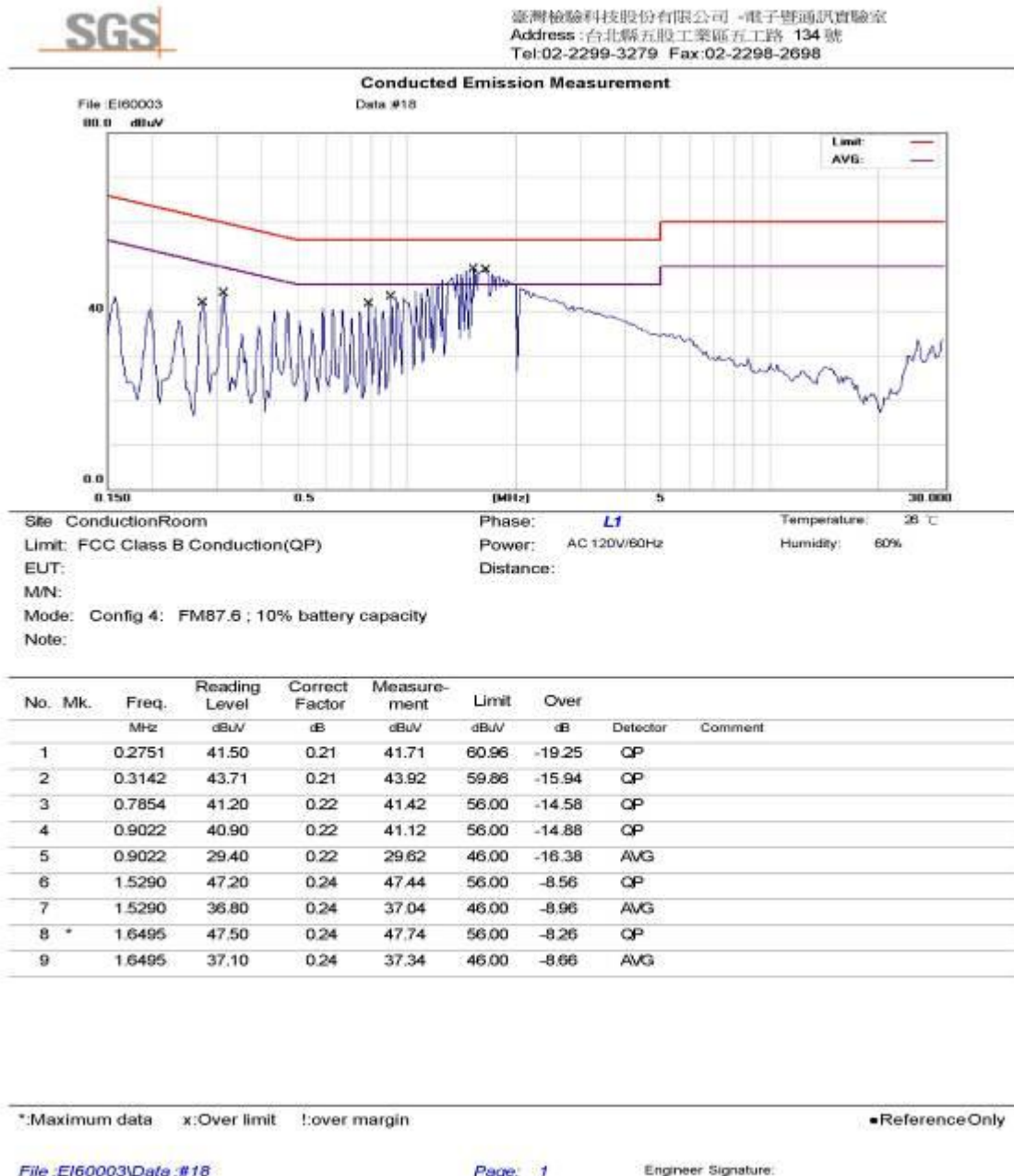
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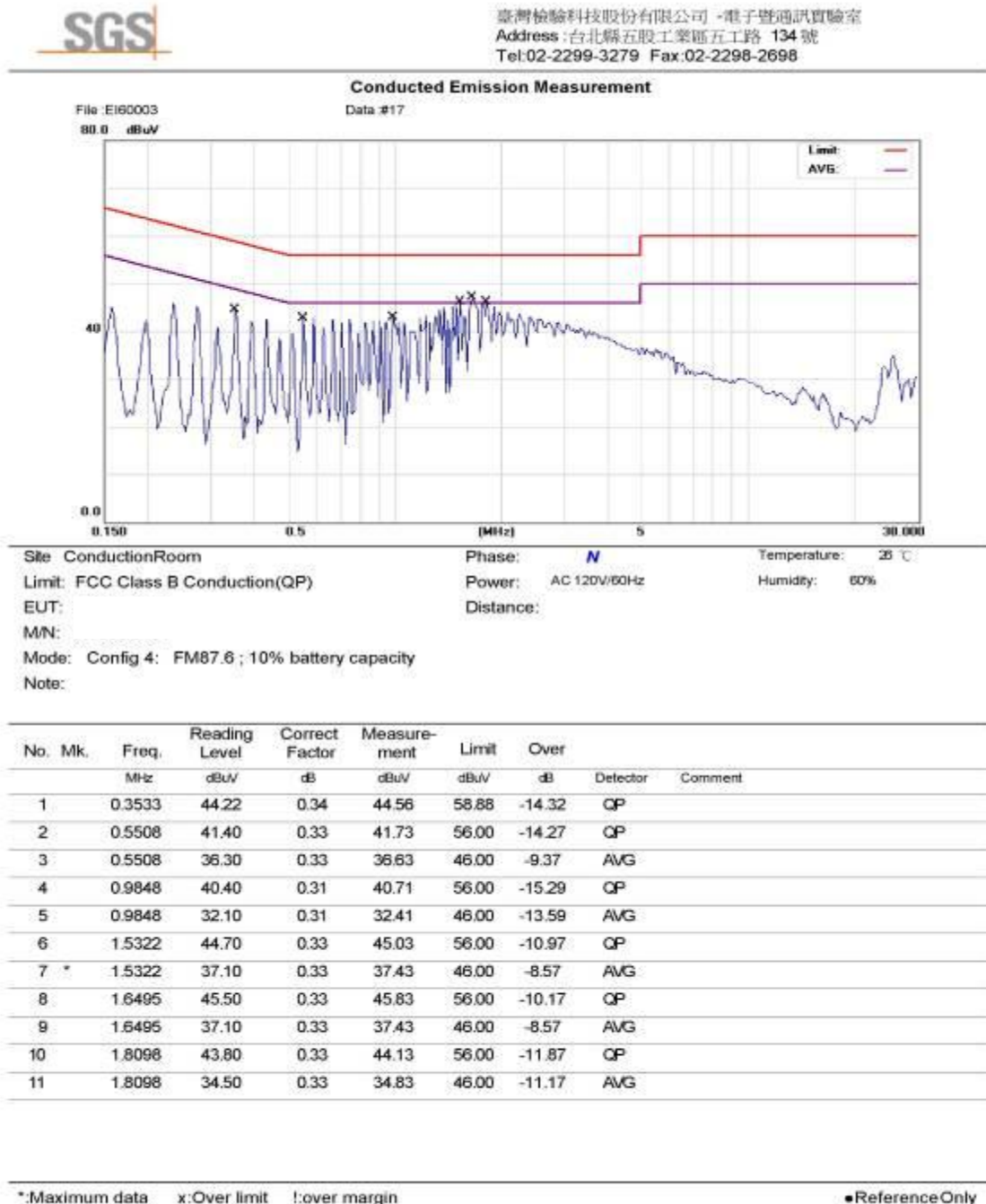
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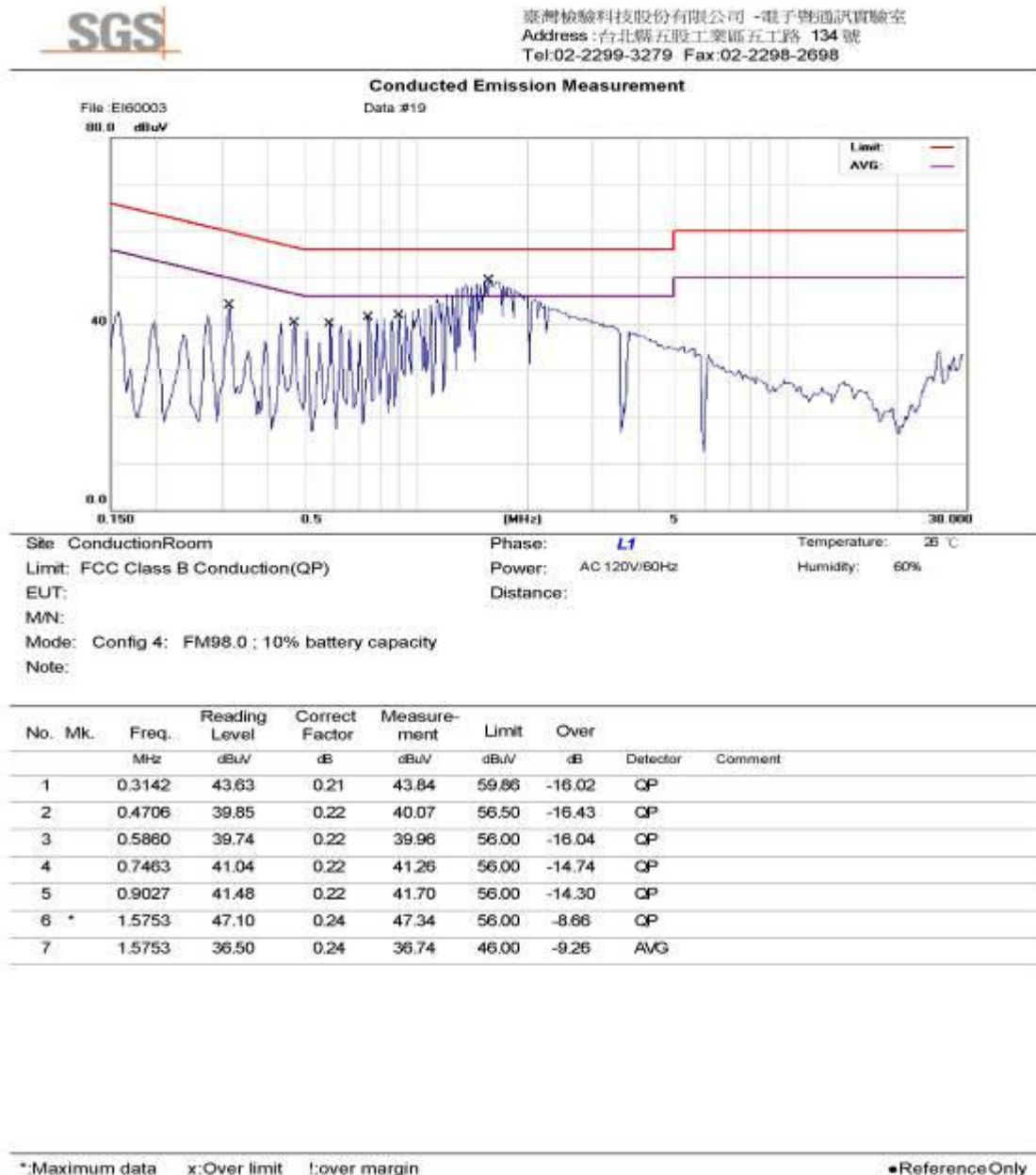
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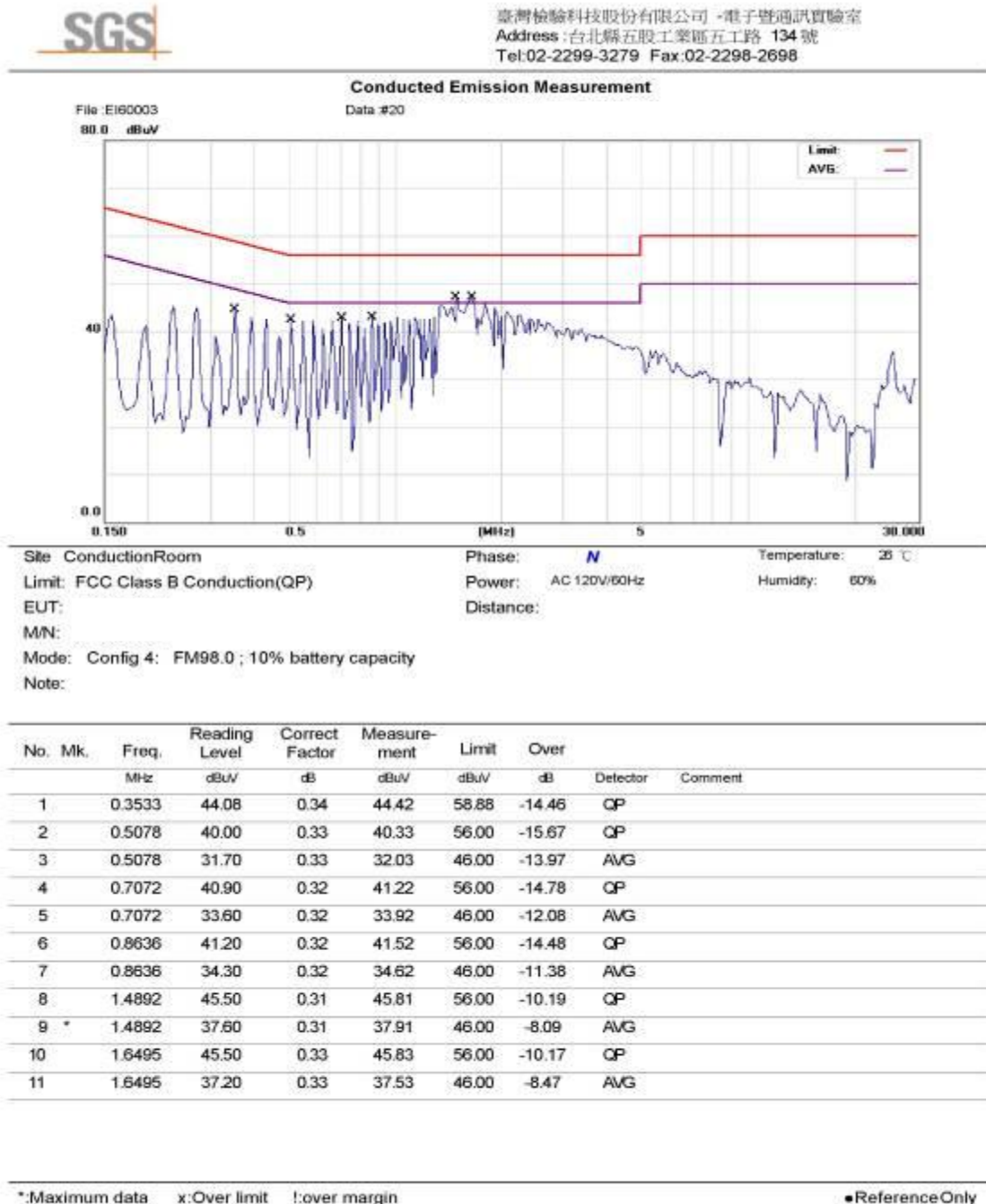
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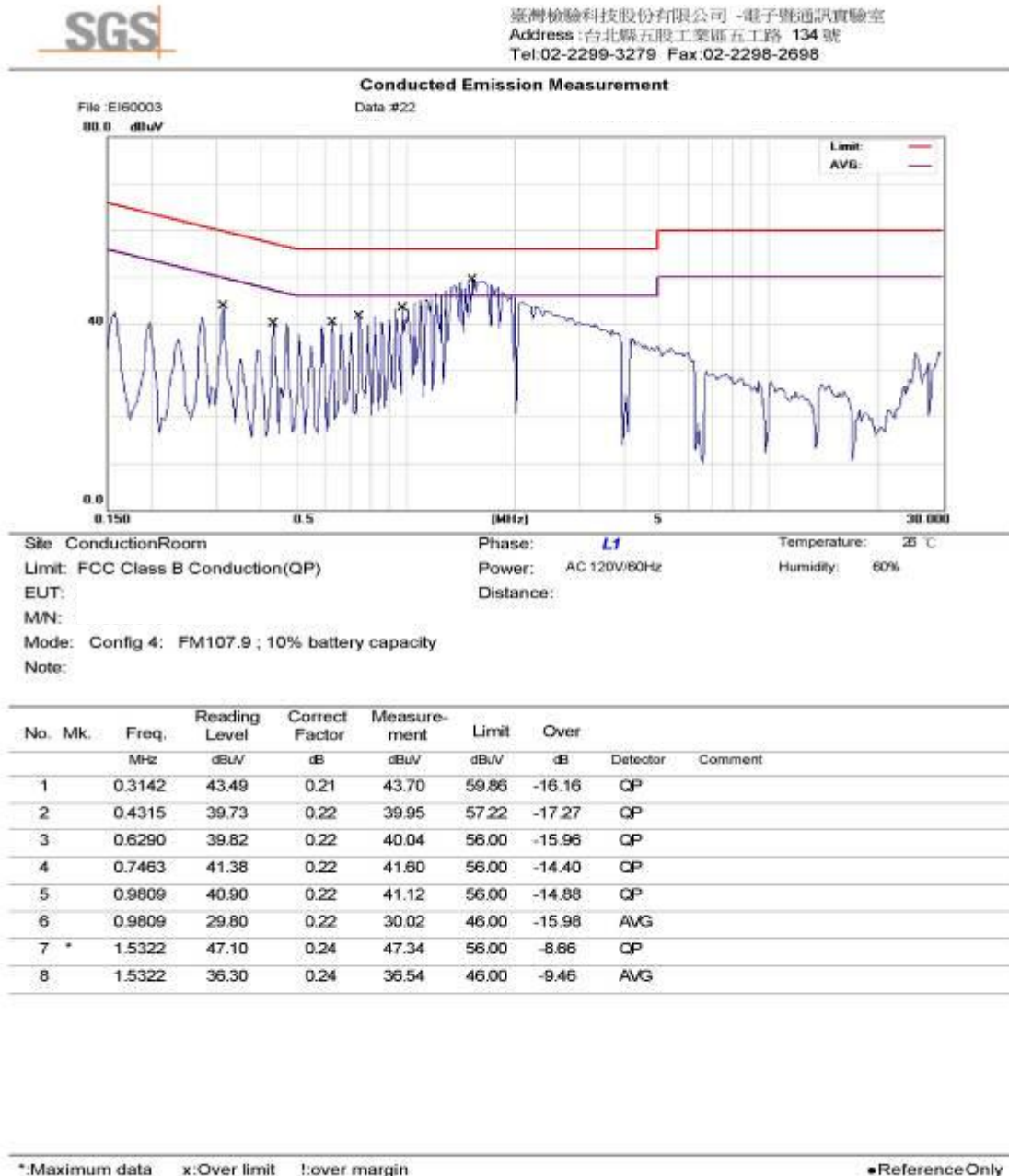
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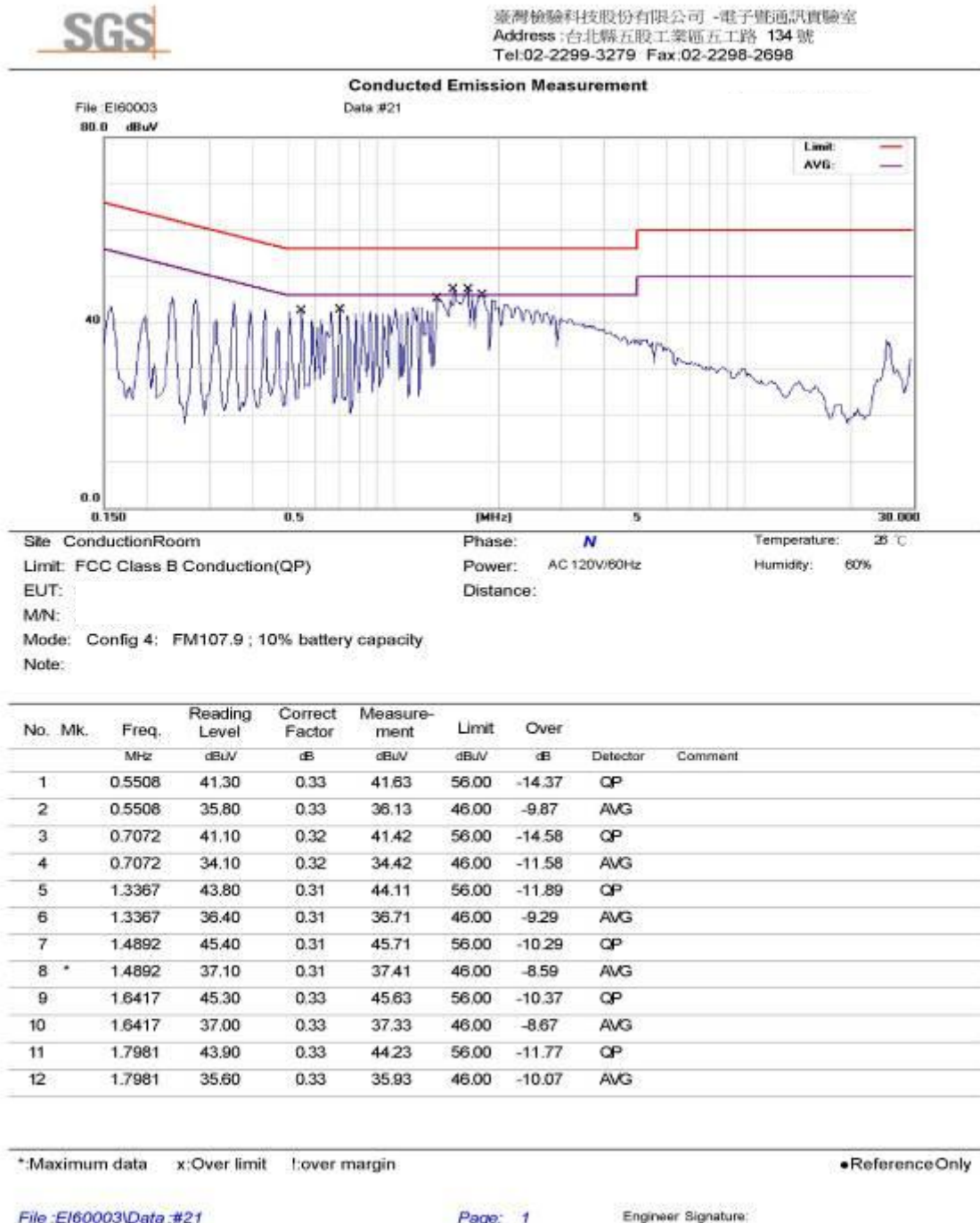
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2.5 Test of Radiated Emission

2.5.1 Test Instruments

Below 1G & Above 1G

Description	Manufacturer	Model No.	Serial No.	Last Calibration Date	Next Calibration Date
Site NSA	Chamost	966II Chamber	N/A	Dec. 30, 2011	Dec. 29, 2012
Site VSWR	Chamost	966II Chamber	N/A	Dec. 30, 2011	Dec. 29, 2012
EMI Test Receiver	ROHDE&SCHWARZ	ESCI 7	1166.5950K07 -100760-GK	May 25, 2012	May 24, 2013
Spectrum Analyzer	Agilent	E4440A	MY45304525	Mar. 17, 2012	Mar. 16, 2014
RF-Amplifier (0.1-1300MHz)	HP	8447D	1937A02774	Nov. 26, 2011	Nov. 25, 2012
RF-Amplifier (1-26.5GHz)	HP	8449B	3008A00578	Dec. 27, 2011	Dec. 26, 2012
RF-Amplifier (26-40GHz)	EM Electronics Corp.	EM26400	N/A	Dec. 28, 2011	Dec. 27, 2012
Coaxial Cables (For 9kHz~26.5GHz)	SUCOFLEX	104PEA	N/A	Dec. 28, 2011	Dec. 27, 2012
Re Cables (966II) (For 1~40GHz)	HUBER SUHNER	SUCCOFLEX 102	22962/2	Dec. 28, 2011	Dec. 27, 2012
Re Cables (966II) (For 1~40GHz)	HUBER SUHNER	SUCCOFLEX 102	23051/2	Dec. 28, 2011	Dec. 27, 2012
Antenna Master	MF.	N/A	N/A	N/A	N/A
Turn Table	MF.	N/A	N/A	N/A	N/A
Controller	MF.	3000	MF780208153	N/A	N/A
Antenna	SCHWAZBECK	VULB9160	3068	Nov. 01, 2011	Oct. 31, 2012
Horn Antenna (For 1~18G)	ETS-Lindgren	3117	00135200	Oct. 06, 2011	Oct. 05, 2012
Horn Antenna (For 18~40G)	SCHWAZBECK	BBHA 9170	BBHA9170185	Jul. 11, 2011	Jul. 10, 2013
Software	Farad	EZ-EMC- VER2A1.1(USB)	N/A	N/A	N/A

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2.5.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory
No.134, Wu Kung Road. Wuku Industrial Zone, Taipei County 248, Taiwan (R.O.C.)

2.5.3 Operating Environment

Temperature : 25 degree C Humidity : 60 %RH
Atmospheric Pressure : 996 mBar

2.5.3.1 Uncertainty of Radiated Emission

Expanded uncertainty (k=2) of radiated emission measurement is 3.70dB.(30-1000MHz)

Expanded uncertainty (k=2) of radiated emission measurement is 5.63dB.(1-40GHz)

2.5.3.2 Measurement level and Factor calculate method

Factor = Antenna loss + Cable loss + Amplifier Compensate

Measurement Level = Reading Level + Factor

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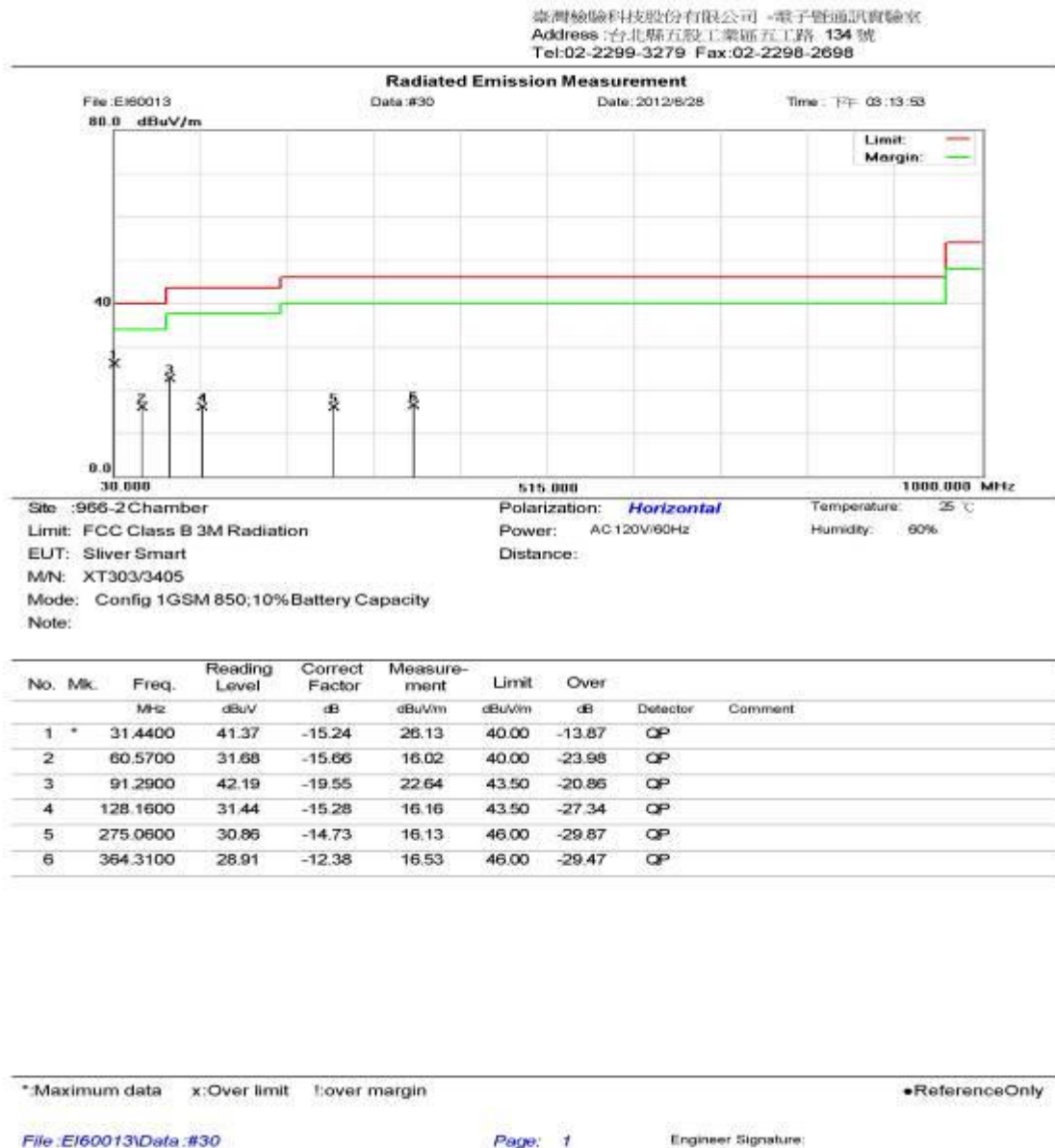
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2.5.4 Measurement Data

Below 1G

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Address : 台北縣五股工業區五工路 134 號
Tel: 02-2299-3279 Fax: 02-2298-2698

Radiated Emission Measurement



Site : 966-2 Chamber
Limit: FCC Class B 3M Radiation
EUT: Silver Smart
M/N: XT303/3405
Mode: Config 1 GSM 850; 10% Battery Capacity
Note:

Polarization: **Vertical**
Power: AC 120V/60Hz
Distance:
Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	31.0700	46.06	-15.23	30.83	40.00	-9.17	QP	
2		62.4500	42.58	-16.00	26.58	40.00	-13.42	QP	
3		73.1700	43.33	-17.86	25.47	40.00	-14.53	QP	
4		131.2800	32.39	-15.14	17.25	43.50	-26.25	QP	
5		162.3600	31.79	-14.61	17.18	43.50	-26.32	QP	
6		193.1900	32.55	-16.60	15.95	43.50	-27.55	QP	

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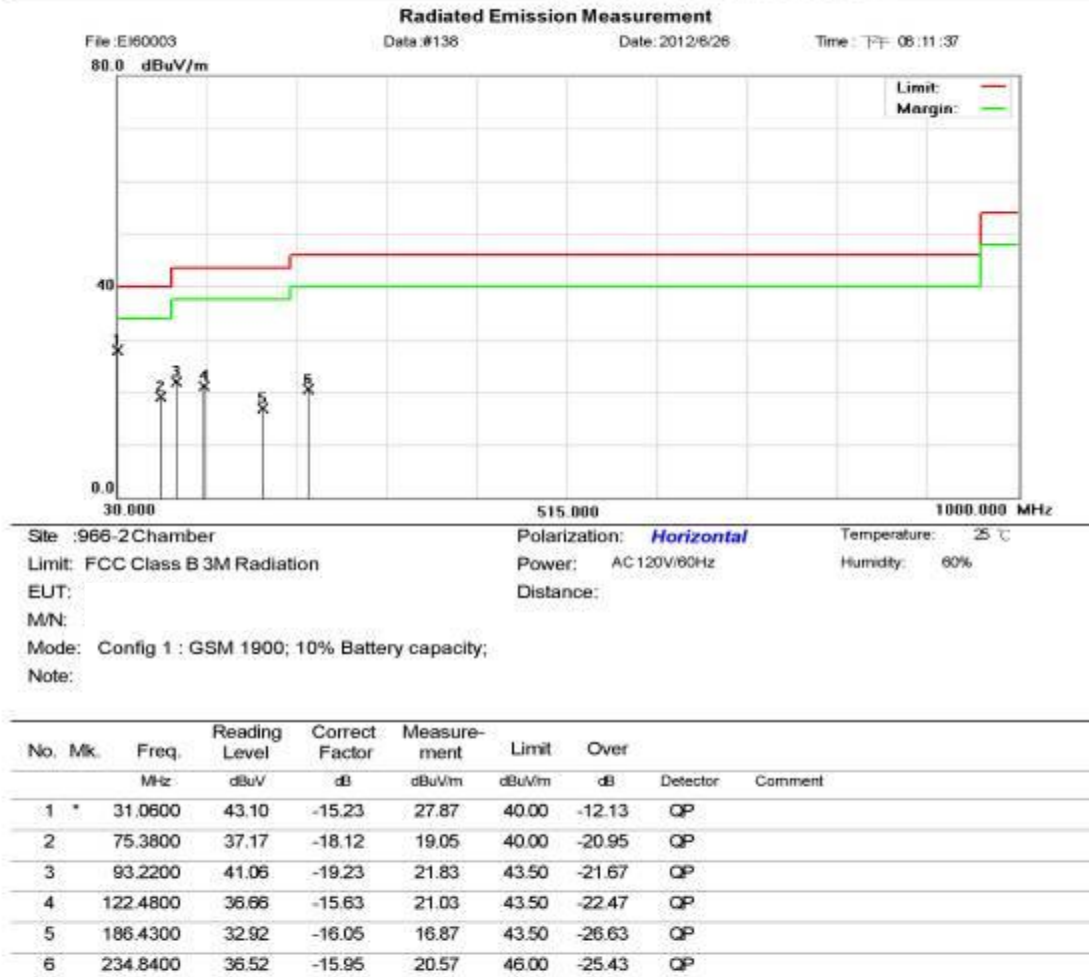
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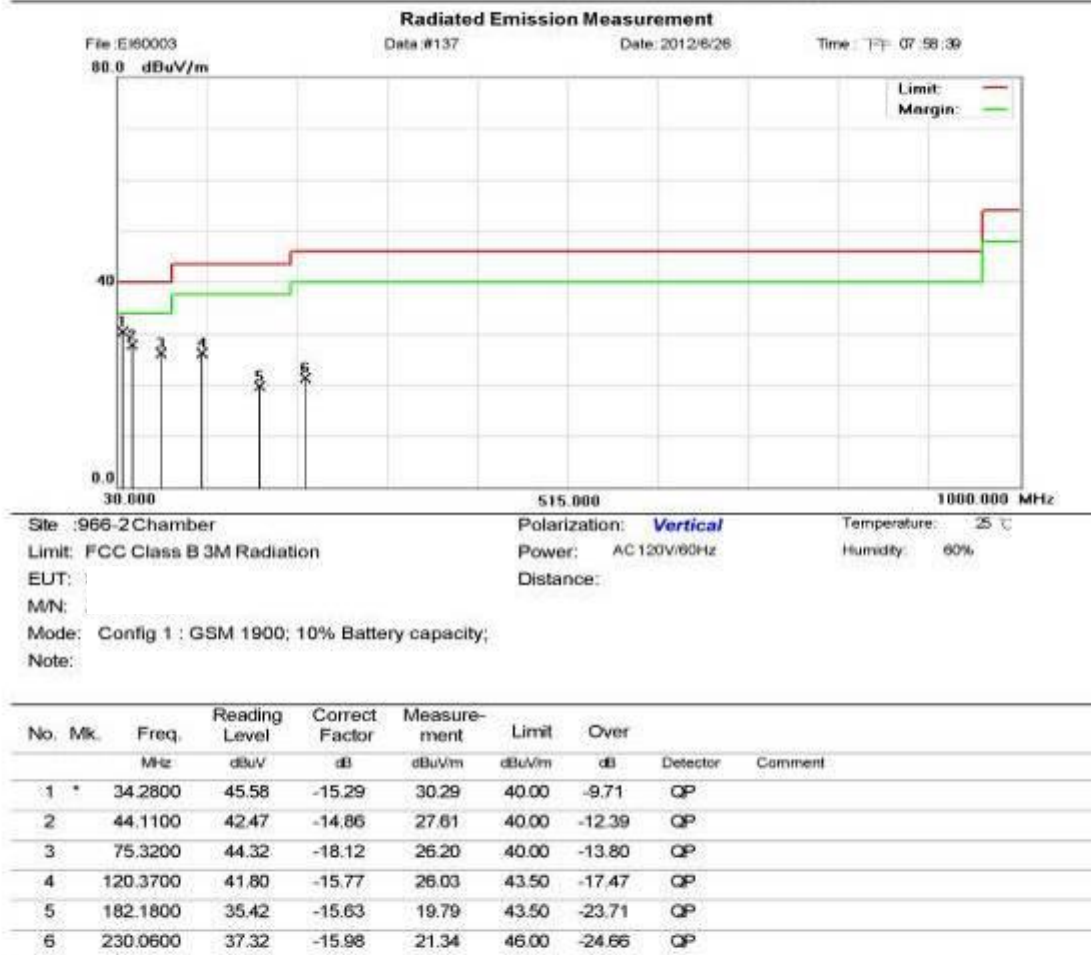
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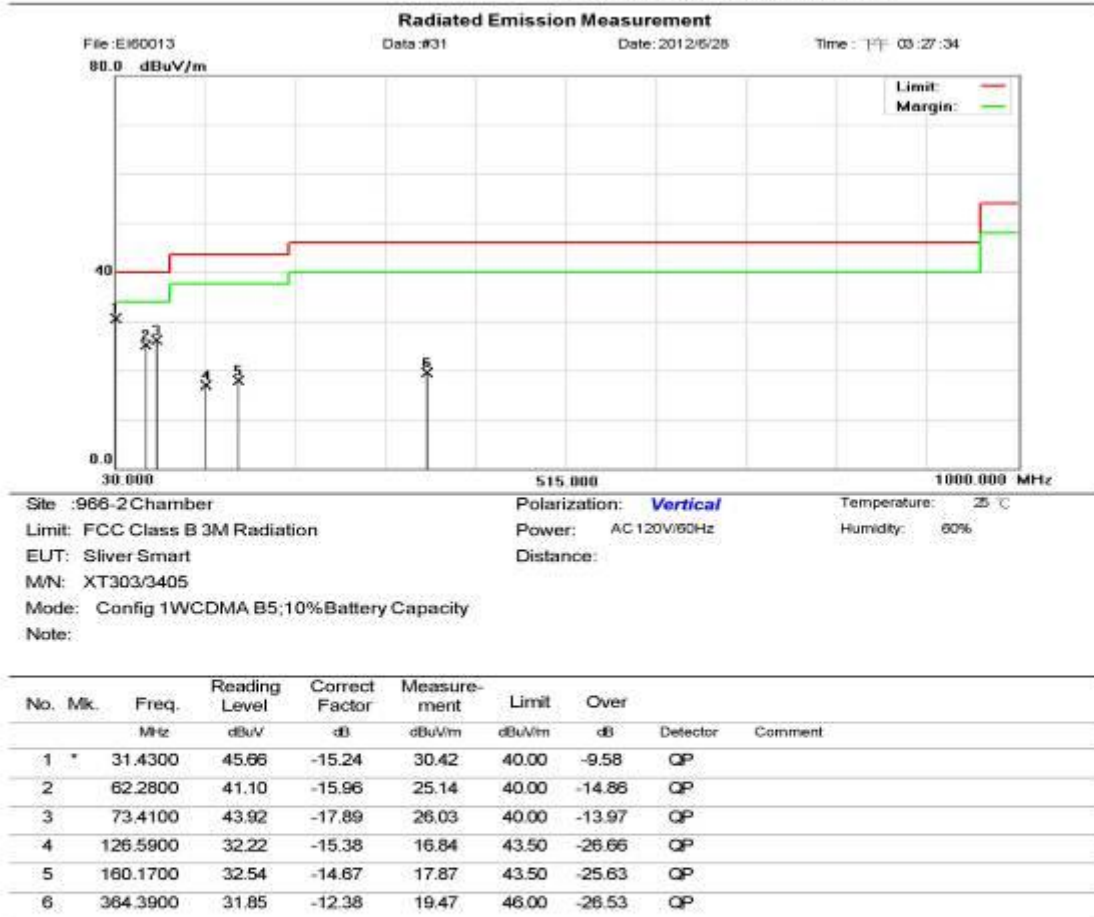
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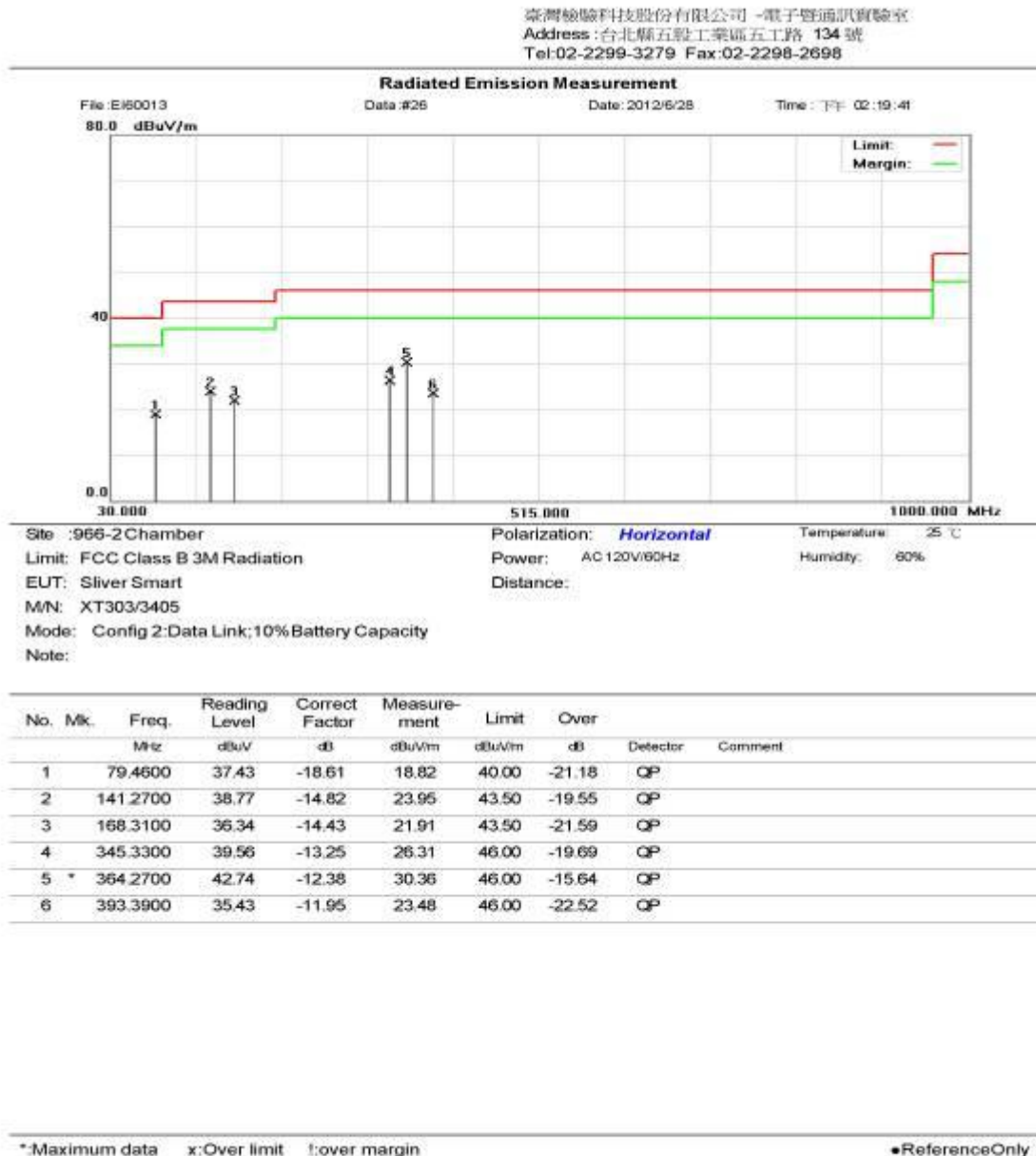
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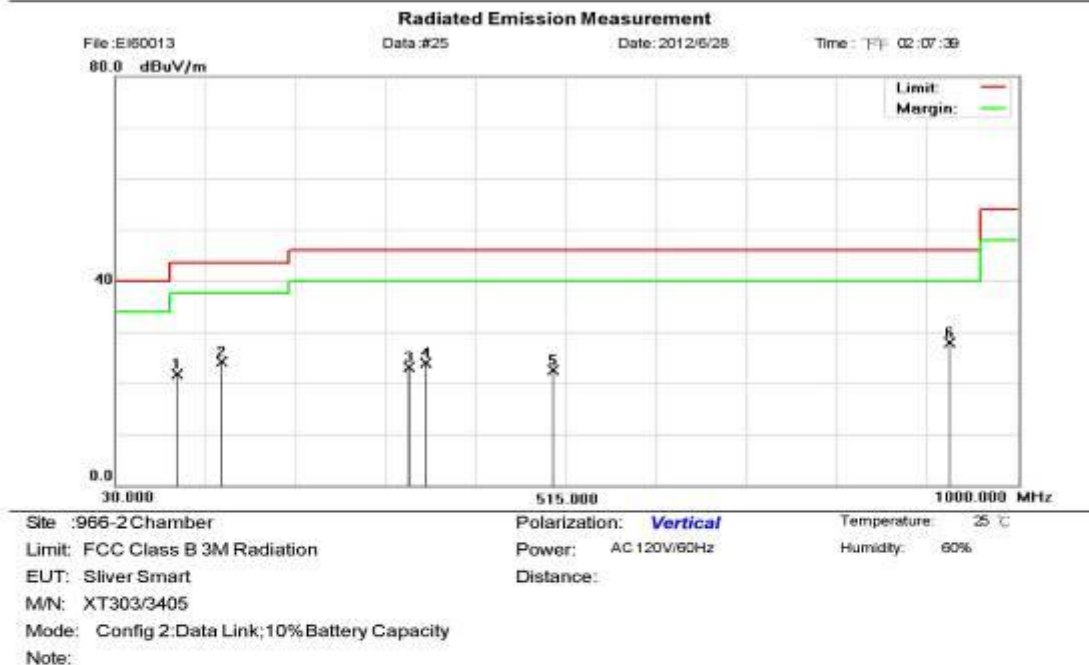
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		95.4400	40.54	-18.84	21.70	43.50	-21.80	QP	
2		143.2100	38.95	-14.75	24.20	43.50	-19.30	QP	
3		345.3900	36.32	-13.25	23.07	46.00	-22.93	QP	
4		362.8700	36.33	-12.40	23.93	46.00	-22.07	QP	
5		500.0800	33.12	-10.52	22.60	46.00	-23.40	QP	
6	*	927.1800	31.50	-3.63	27.87	46.00	-18.13	QP	

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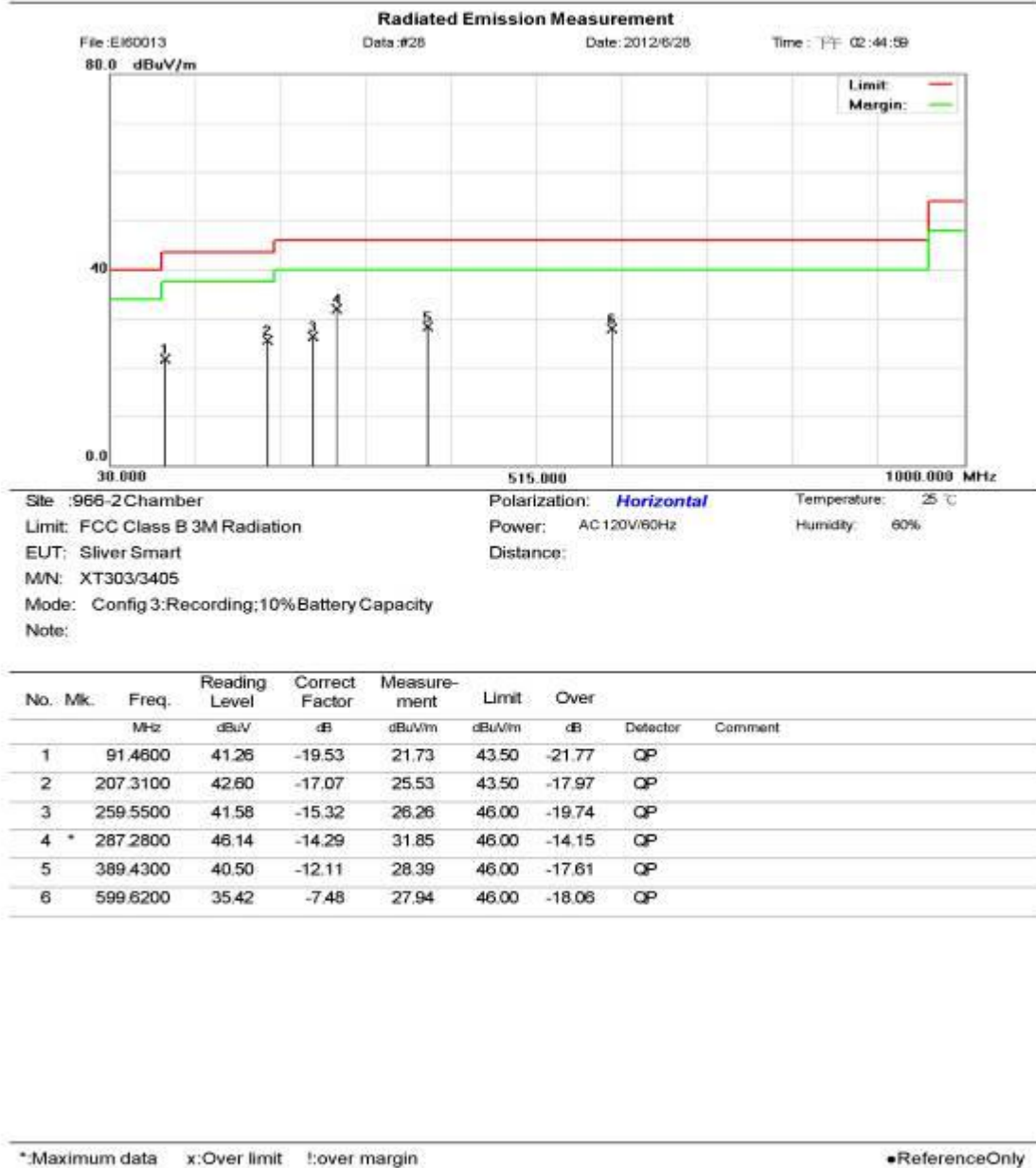
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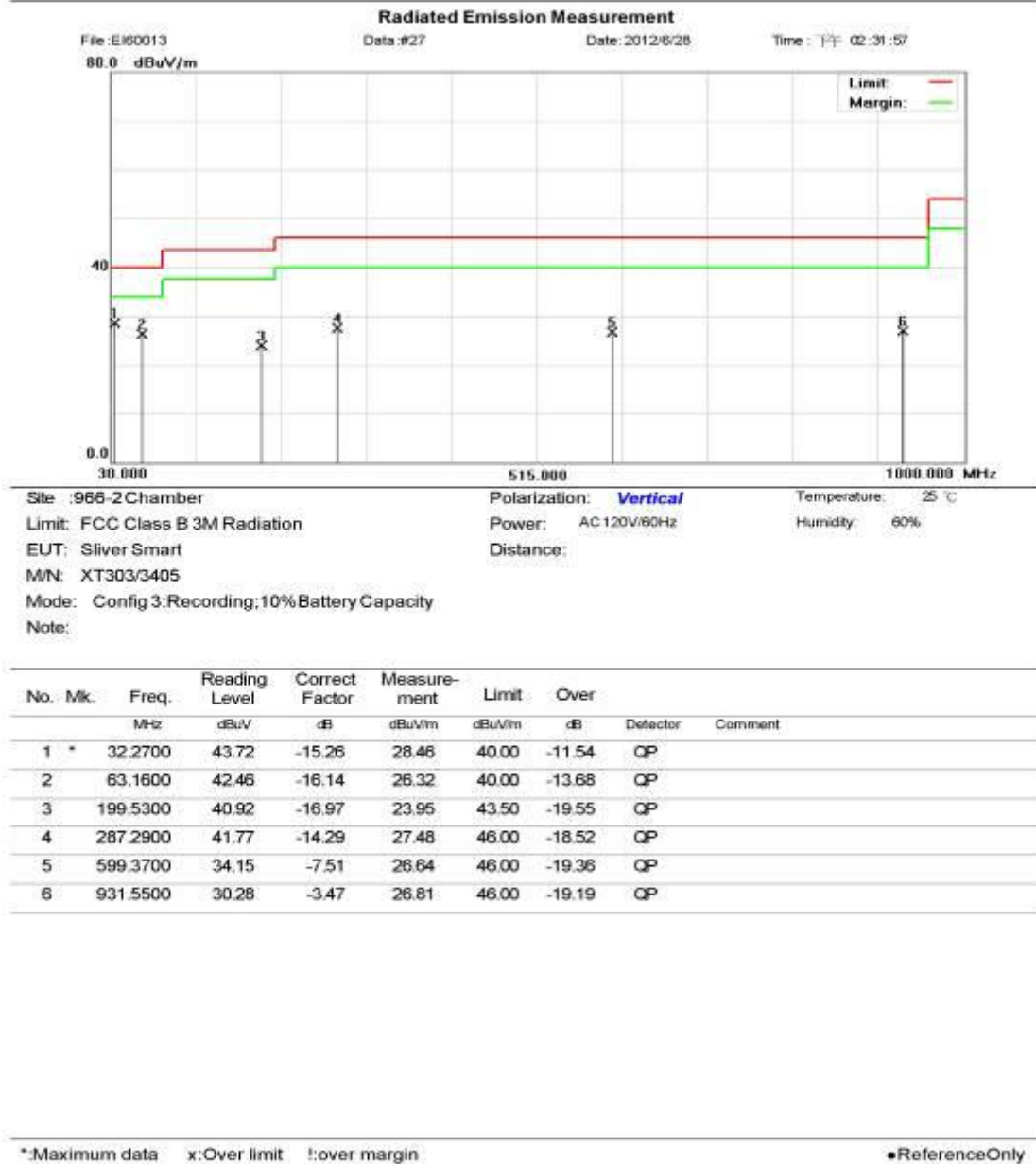
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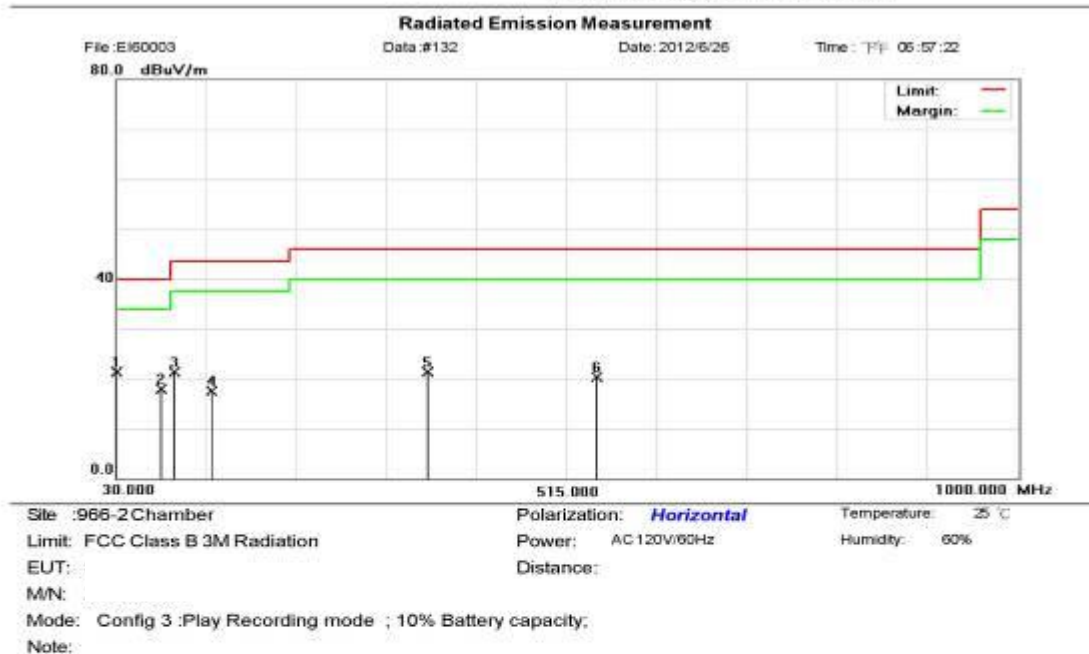
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	31.1600	35.55	-15.23	21.32	40.00	-18.68	QP	
2		77.2400	36.22	-18.35	17.87	40.00	-22.13	QP	
3		91.3700	40.94	-19.54	21.40	43.50	-22.10	QP	
4		131.2500	32.67	-15.14	17.53	43.50	-25.97	QP	
5		364.0400	33.66	-12.39	21.27	46.00	-24.73	QP	
6		547.1200	29.48	-9.13	20.35	46.00	-25.65	QP	

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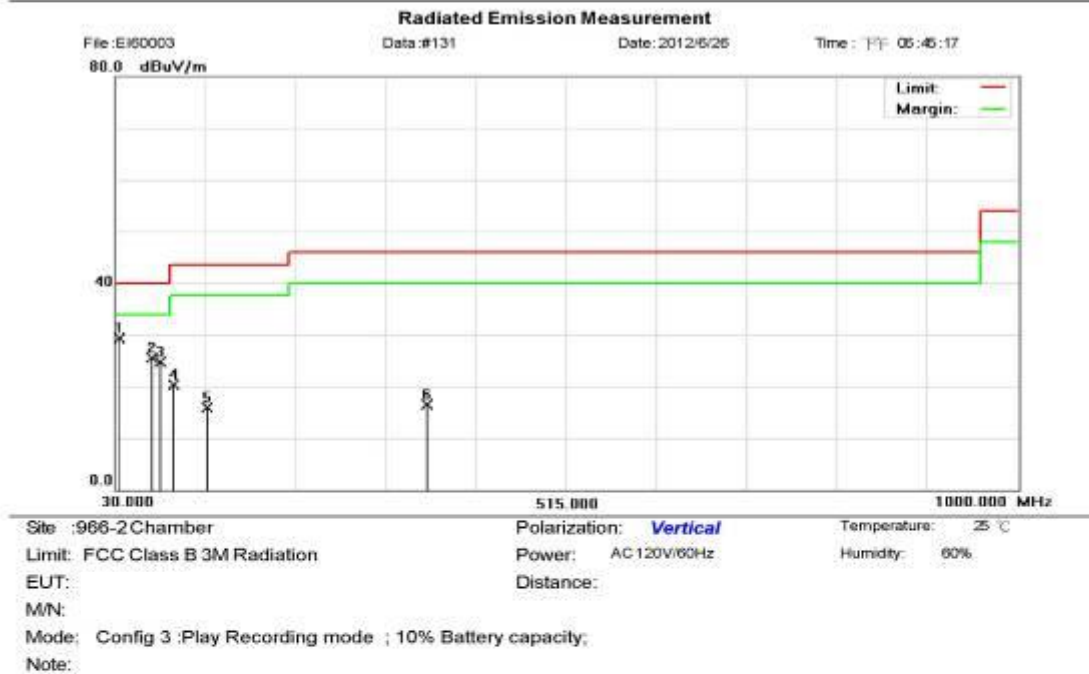
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	32.2200	44.62	-15.26	29.36	40.00	-10.64	QP	
2		67.4300	42.42	-16.97	25.45	40.00	-14.55	QP	
3		77.1800	43.12	-18.34	24.78	40.00	-15.22	QP	
4		91.4800	39.92	-19.52	20.40	43.50	-23.10	QP	
5		128.1700	31.20	-15.28	15.92	43.50	-27.58	QP	
6		364.4100	28.95	-12.38	16.57	46.00	-29.43	QP	

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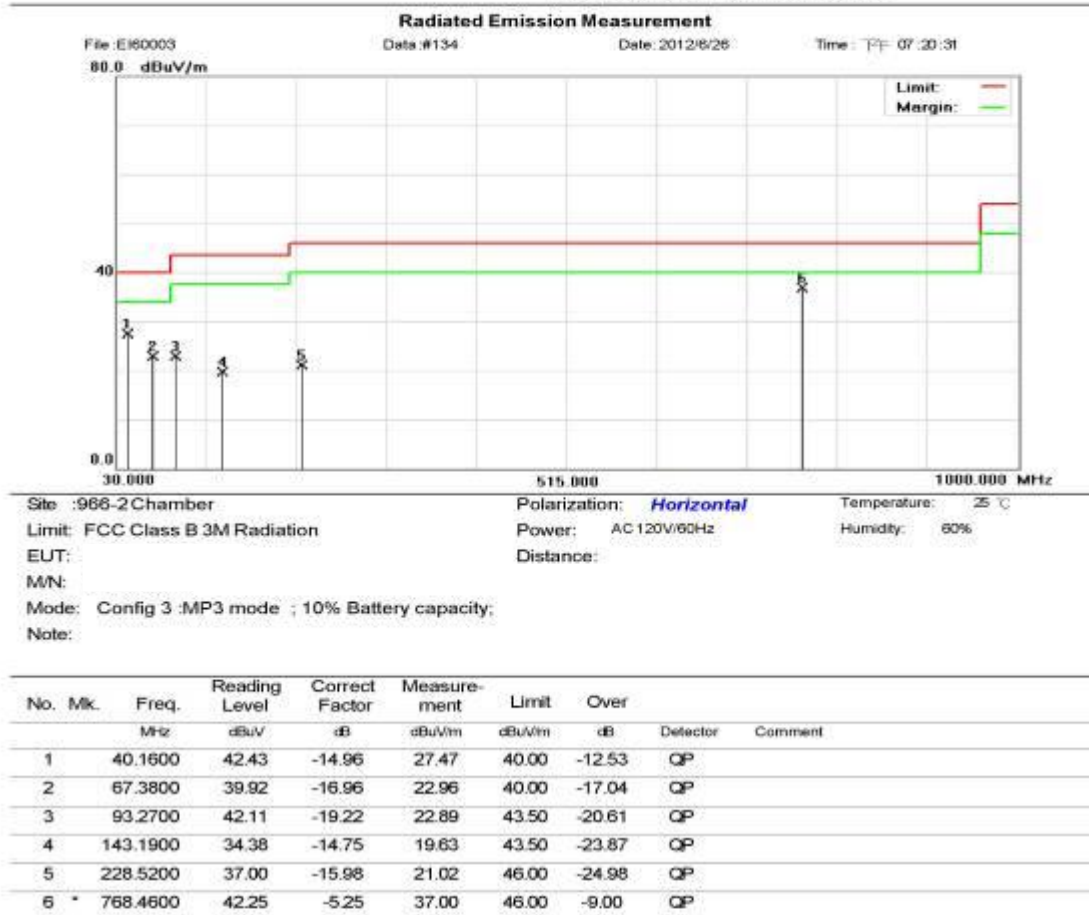
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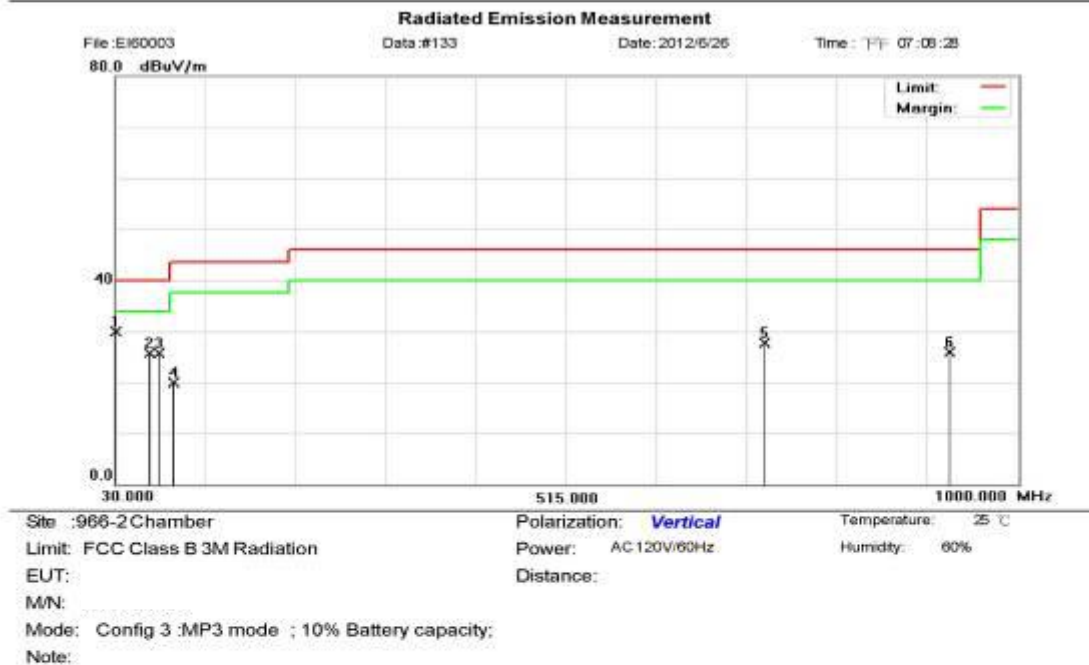
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	31.2500	45.16	-15.23	29.93	40.00	-10.07	QP	
2		65.6200	42.28	-16.62	25.66	40.00	-14.34	QP	
3		75.7300	43.93	-18.17	25.76	40.00	-14.24	QP	
4		91.2700	39.53	-19.56	19.97	43.50	-23.53	QP	
5		727.0500	33.80	-6.12	27.68	46.00	-18.32	QP	
6		927.3100	29.47	-3.62	25.85	46.00	-20.15	QP	

*:Maximum data x:Over limit !:over margin

•ReferenceOnly

File: EI60003\Data: #133

Page: 1

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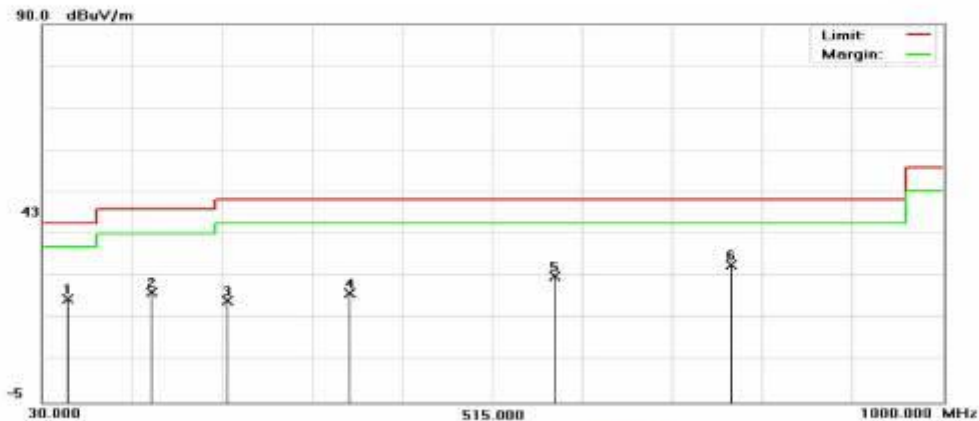
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Config 4:FM 87.6

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Radiated Emission Measurement



Site : 966-2 Chamber

Polarization: **Horizontal**

Temperature: 25 °C

Limit: FCC Class B 3M Radiation

Power: AC 120V/60Hz

Humidity: 60%

EUT: Silver Smart

Distance:

M/N: XT303/3405

Mode: FM 87.6 MHz; Other

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		57.1600	35.50	-14.58	20.92	40.00	-19.08	QP	
2		148.3400	36.05	-13.35	22.70	43.50	-20.80	QP	
3		229.8200	35.14	-14.50	20.64	46.00	-25.36	QP	
4		381.7400	33.05	-10.55	22.50	46.00	-23.50	QP	
5		582.9000	33.19	-6.52	26.67	46.00	-19.33	QP	
6	*	773.0200	31.94	-2.40	29.54	46.00	-16.46	QP	

*:Maximum data x:Over limit !:over margin

●ReferenceOnly

File :60018\Data:#25

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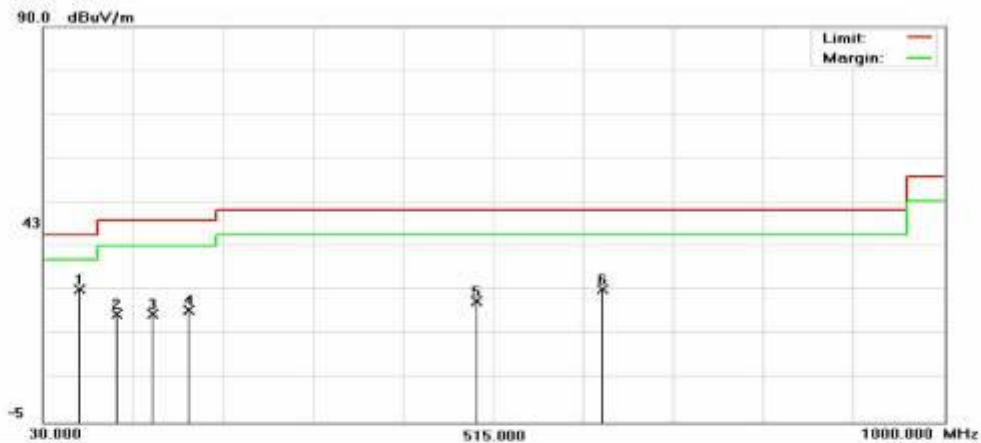
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Tel: 02-2299-3279 Fax: 02-2298-2698

Radiated Emission Measurement



Site : 986-2 Chamber
Limit: FCC Class B 3M Radiation
EUT: Silver Smart
M/N: XT303/3405
Mode: FM 87.6 MHz; Other
Note:

Polarization: **Vertical**
Power: AC 120V/60Hz
Distance:

Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	67.2600	43.10	-16.12	26.98	40.00	-13.02	QP	
2		109.5400	36.83	-15.87	20.96	43.50	-22.54	QP	
3		148.3400	34.32	-13.35	20.97	43.50	-22.53	QP	
4		187.1400	36.66	-14.78	21.88	43.50	-21.62	QP	
5		497.5400	32.33	-8.23	24.10	46.00	-21.90	QP	
6		633.3400	32.13	-5.06	27.05	46.00	-18.95	QP	

*:Maximum data x:Over limit !:over margin

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File: 60018\Data: #23

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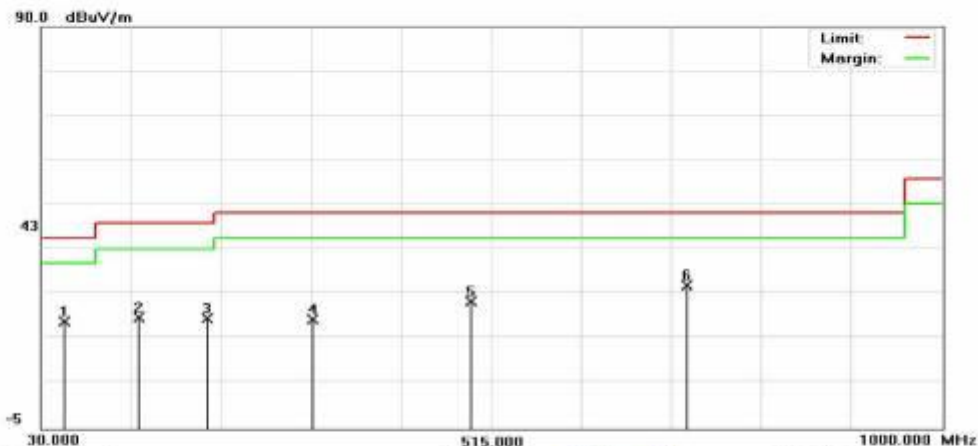
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Tel:02-2299-3279 Fax:02-2298-2698

Radiated Emission Measurement



Site : 965-2 Chamber
Limit: FCC Class B 3M Radiation
EUT: Silver Smart
M/N: XT303/3405
Mode: FM 98.0 MHz; Other
Note:

Polarization: **Horizontal**
Power: AC 120V/60Hz
Distance:

Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		55.2200	34.84	-14.47	20.37	40.00	-19.63	QP	
2		134.7600	35.05	-13.89	21.16	43.50	-22.34	QP	
3		208.4800	36.74	-15.65	21.09	43.50	-22.41	QP	
4		322.9400	32.78	-11.95	20.83	46.00	-25.17	QP	
5		493.6600	33.14	-7.98	25.16	46.00	-20.84	QP	
6	*	726.4600	32.43	-3.47	28.96	46.00	-17.04	QP	

*:Maximum data x:Over limit !:over margin

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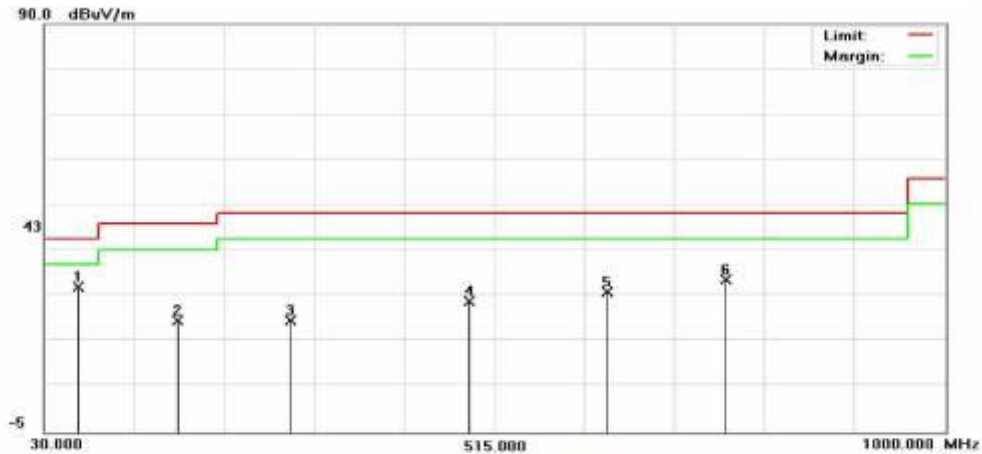
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Tel: 02-2299-3279 Fax: 02-2298-2698

Radiated Emission Measurement



Site : 966-2 Chamber
Limit: FCC Class B 3M Radiation
EUT: Silver Smart
MN: XT303/3405
Mode: FM 98.0 MHz; Other
Note:

Polarization: **Vertical**
Power: AC 120V/60Hz
Distance:

Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	66.8600	44.77	-16.04	28.73	40.00	-11.27	QP	
2		173.5600	34.56	-13.46	21.10	43.50	-22.40	QP	
3		295.7800	33.34	-12.45	20.89	46.00	-25.11	QP	
4		487.8400	33.43	-7.81	25.62	46.00	-20.38	QP	
5		637.2200	32.54	-4.90	27.64	46.00	-18.36	QP	
6		765.2600	33.12	-2.56	30.56	46.00	-15.44	QP	

*: Maximum data x: Over limit !: over margin

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File : 60018\Data : #30

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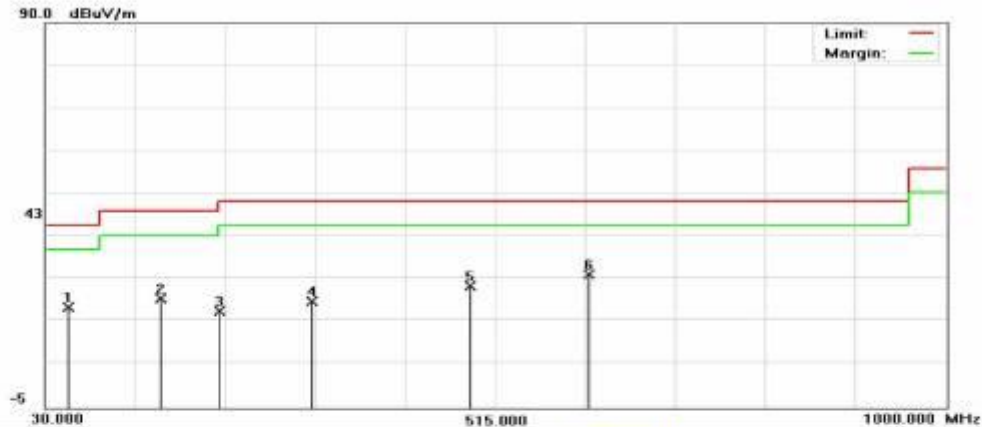
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Config 4:FM 107.9

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Tel:02-2299-3279 Fax:02-2298-2698

Radiated Emission Measurement



Site :986-2 Chamber
Limit: FCC Class B 3M Radiation
EUT: Silver Smart
MN: XT303/3405
Mode: FM 107.9 MHz;Other
Note:

Polarization: **Horizontal**
Power: AC 120V/60Hz
Distance:

Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		55.2200	34.23	-14.47	19.76	40.00	-20.24	QP	
2		154.1600	35.42	-13.35	22.07	43.50	-21.43	QP	
3		218.1800	33.56	-14.74	18.82	46.00	-27.18	QP	
4		317.1200	33.28	-11.98	21.30	46.00	-24.70	QP	
5		487.8400	32.86	-7.81	25.05	46.00	-20.95	QP	
6	*	615.8800	33.33	-5.33	28.00	46.00	-18.00	QP	

*:Maximum data x:Over limit l:over margin

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File :60018\Data :#34

Page: 1

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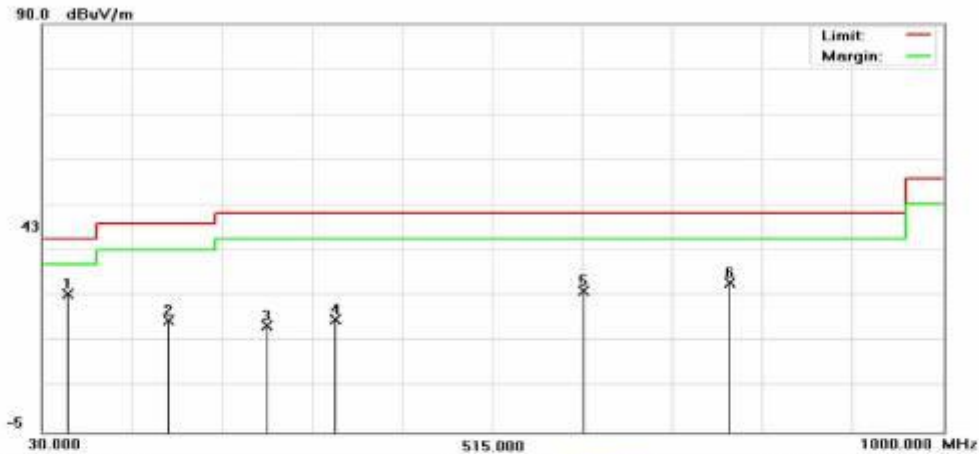
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Radiated Emission Measurement



Site : 966-2 Chamber

Polarization: **Vertical**

Temperature: 25 °C

Limit: FCC Class B 3M Radiation

Power: AC 120V/60Hz

Humidity: 60%

EUT: Silver Smart

Distance:

MN: XT303/3405

Mode: FM 107.9 MHz; Other

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	57.1600	41.80	-14.58	27.22	40.00	-12.78	QP	
2		165.8000	34.14	-13.25	20.89	43.50	-22.61	QP	
3		272.5000	33.01	-13.23	19.78	46.00	-26.22	QP	
4		346.2200	32.60	-11.41	21.19	46.00	-24.81	QP	
5		613.9400	33.03	-5.18	27.85	46.00	-18.15	QP	
6		771.0800	32.32	-2.46	29.86	46.00	-16.14	QP	

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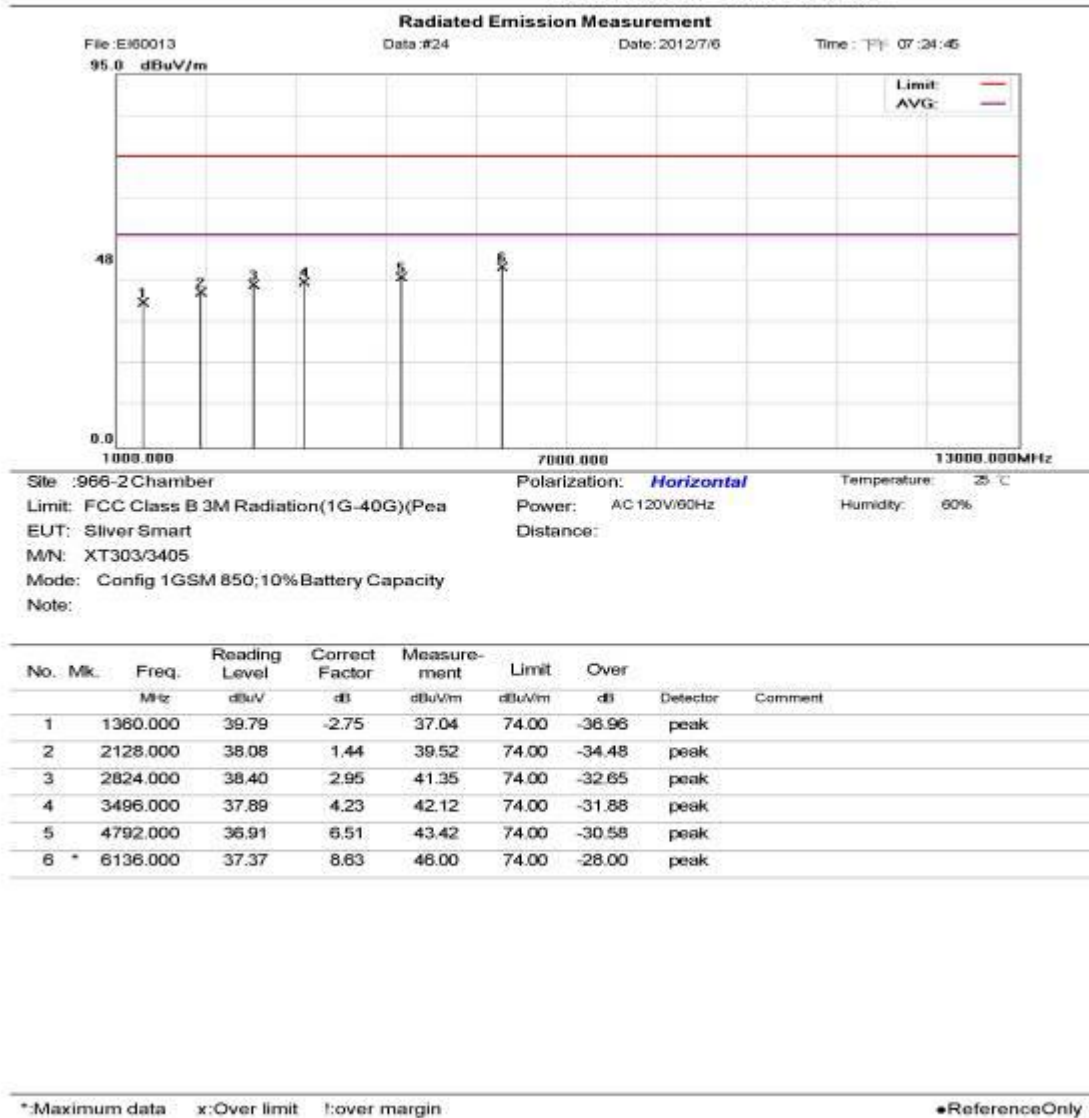
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File: EI60013\Data: #24

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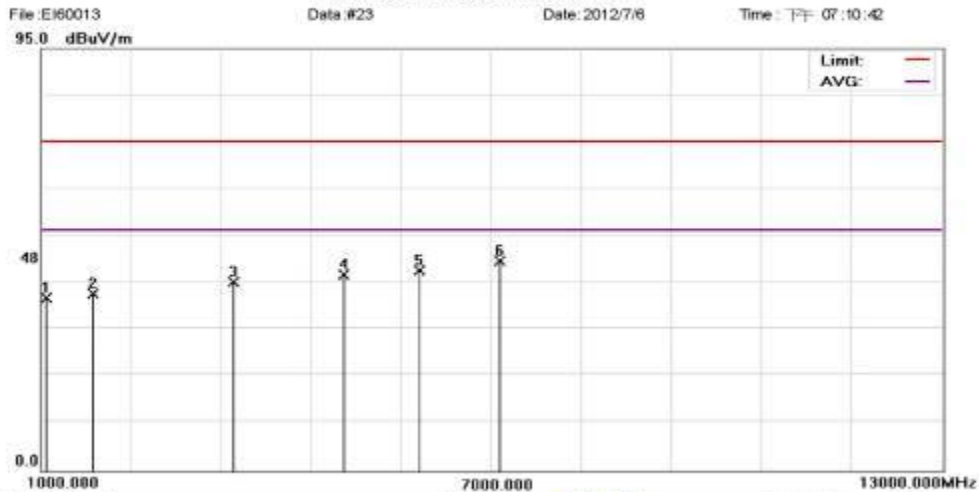
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Radiated Emission Measurement



Site: 966-2 Chamber
Limit: FCC Class B 3M Radiation(1G-40G)(Pea
EUT: Silver Smart
M/N: XT303/3405
Mode: Config 1GSM 850;10% Battery Capacity
Note:

Polarization: **Vertical**
Power: AC 120V/60Hz
Distance:
Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1072.000	42.49	-3.77	38.72	74.00	-35.28	peak	
2		1696.000	41.14	-1.32	39.82	74.00	-34.18	peak	
3		3568.000	38.11	4.38	42.49	74.00	-31.51	peak	
4		5032.000	37.37	6.78	44.15	74.00	-29.85	peak	
5		6040.000	36.63	8.49	45.12	74.00	-28.88	peak	
6	*	7120.000	37.66	9.38	47.04	74.00	-26.96	peak	

*:Maximum data x:Over limit !:over margin

●ReferenceOnly

File: EI60013\Data: #23

Page: 1

Engineer Signature:

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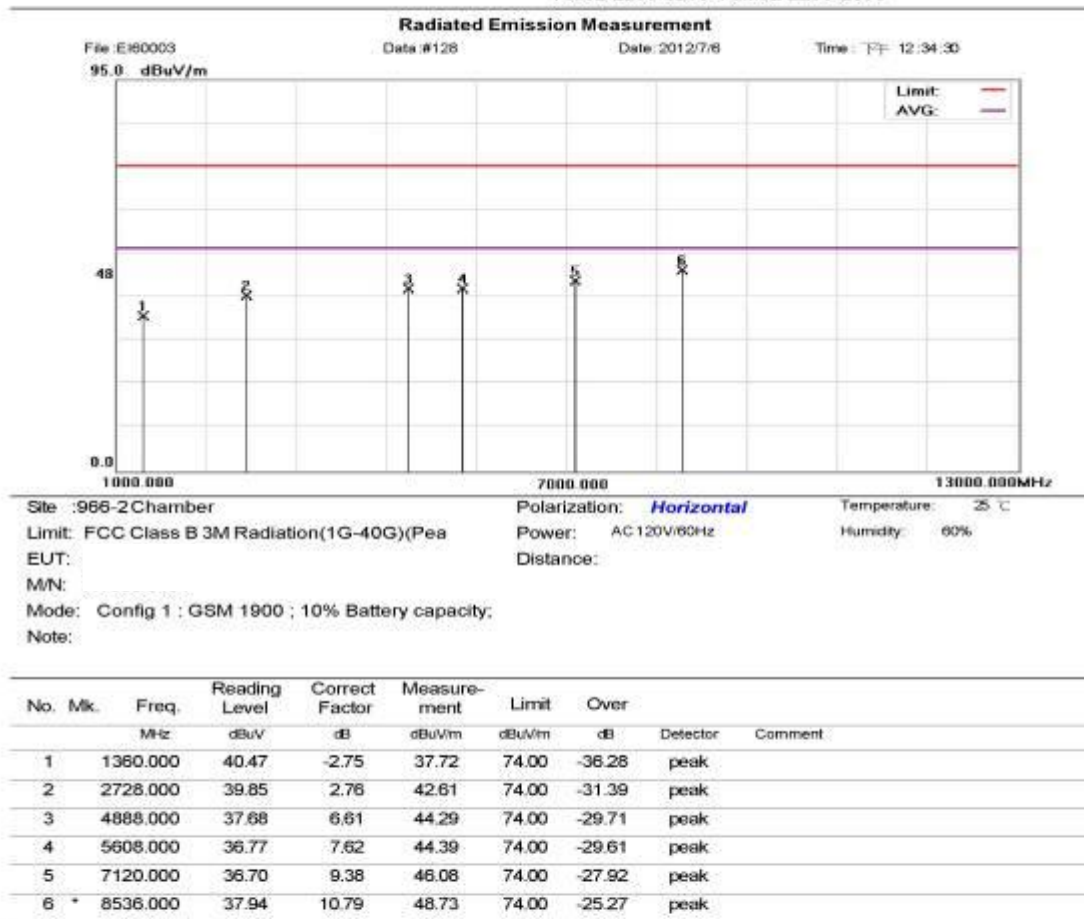
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Config 1:GSM1900

H

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*:Maximum data x:Over limit !:over margin

●ReferenceOnly

File: EI60003\Data: #128

Page: 1

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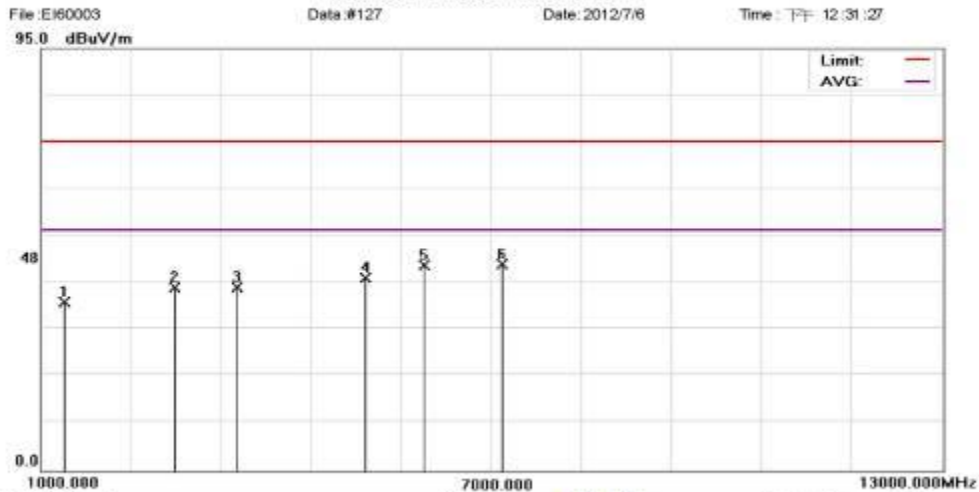
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Radiated Emission Measurement



Site: 966-2 Chamber Polarization: **Vertical** Temperature: 25 °C
Limit: FCC Class B 3M Radiation(1G-40G)(Pea Power: AC 120V/60Hz Humidity: 60%
EUT: Distance:
M/N:
Mode: Config 1 : GSM 1900 ; 10% Battery capacity;
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1312.000	40.81	-2.84	37.97	74.00	-36.03	peak	
2		2776.000	38.42	2.84	41.26	74.00	-32.74	peak	
3		3616.000	36.75	4.48	41.23	74.00	-32.77	peak	
4		5320.000	36.04	7.21	43.25	74.00	-30.75	peak	
5		6112.000	37.70	8.60	46.30	74.00	-27.70	peak	
6	*	7144.000	37.16	9.38	46.54	74.00	-27.46	peak	

*:Maximum data x:Over limit !:over margin

●ReferenceOnly

File: EI60003\Data: #127

Page: 1

Engineer Signature:

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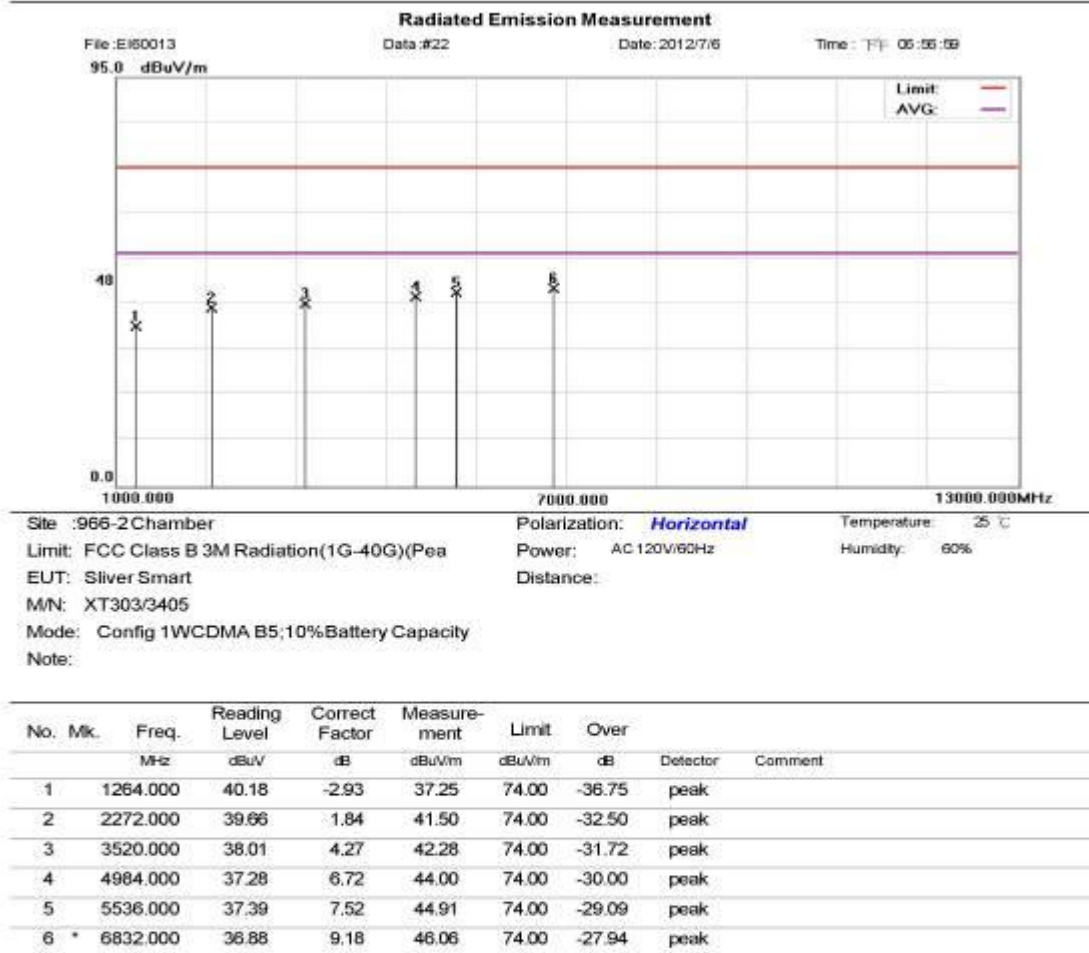
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Config 1:WCDMA B5

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File: EI60013\Data: #22

Page: 1

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Radiated Emission Measurement

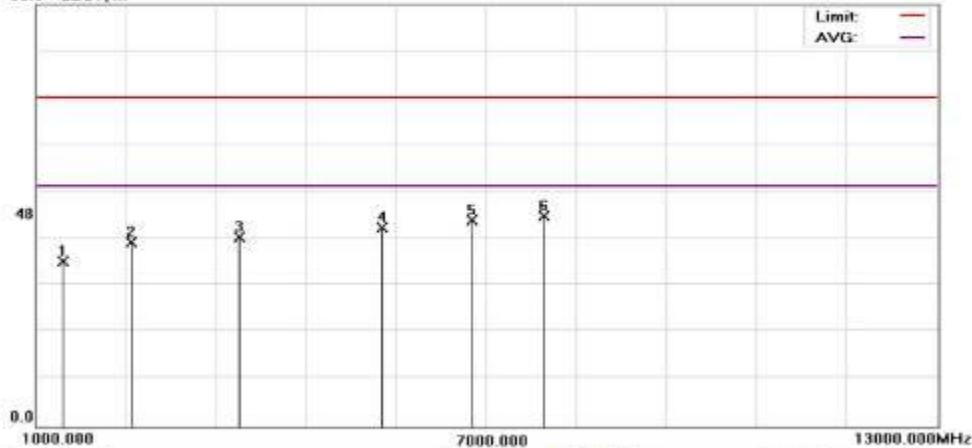
File: EI60013

Data: #21

Date: 2012/7/8

Time: 下午 08:42:58

95.0 dBuV/m



Site: 966-2 Chamber

Polarization: Vertical

Temperature: 25 °C

Limit: FCC Class B 3M Radiation(1G-40G)(Pea

Power: AC 120V/60Hz

Humidity: 60%

EUT: Silver Smart

Distance:

M/N: XT303/3405

Mode: Config 1WCDMA B5;10%Battery Capacity

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1360.000	39.99	-2.75	37.24	74.00	-36.76	peak	
2		2272.000	39.65	1.84	41.49	74.00	-32.51	peak	
3		3712.000	38.03	4.69	42.72	74.00	-31.28	peak	
4		5608.000	37.19	7.62	44.81	74.00	-29.19	peak	
5		6808.000	37.40	9.15	46.55	74.00	-27.45	peak	
6	*	7768.000	37.46	10.00	47.46	74.00	-26.54	peak	

*:Maximum data x:Over limit !:over margin

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File: EI60013\Data: #21

Page: 1

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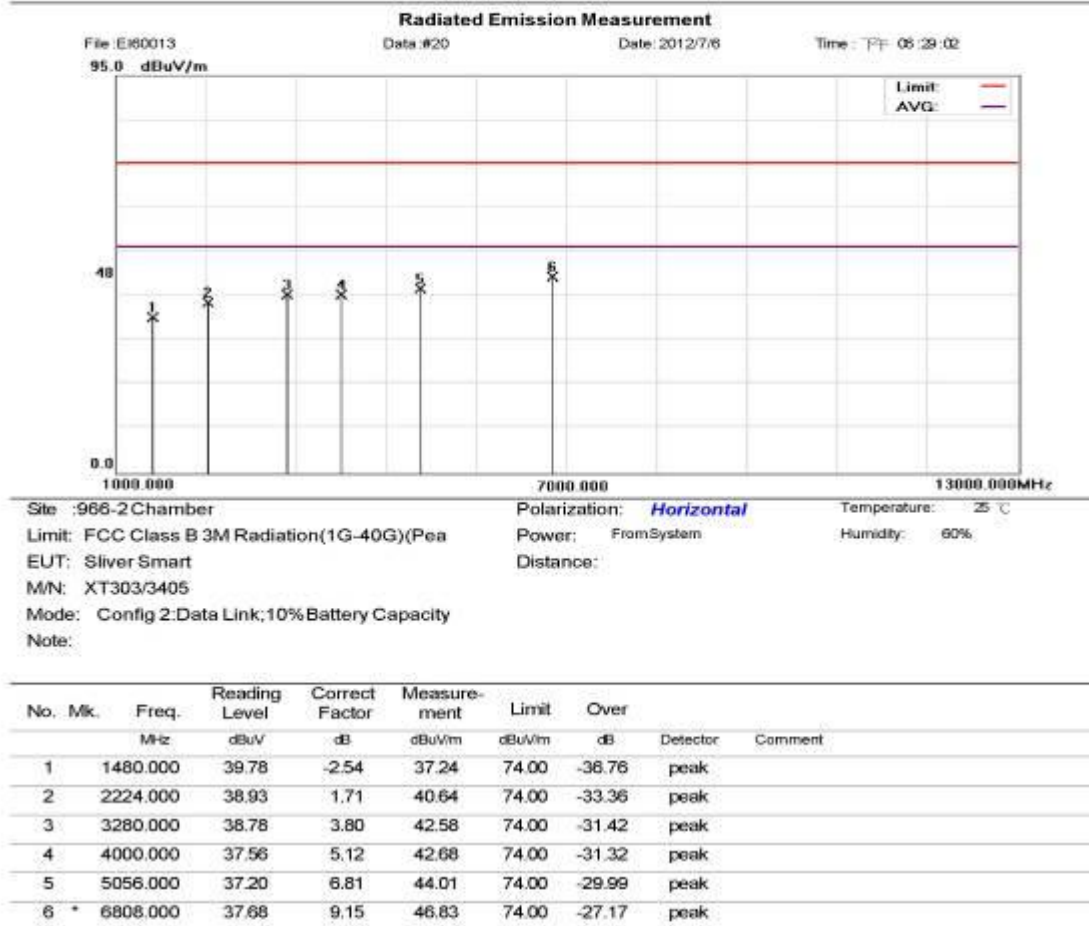
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Config 2:Data Link

H

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File:EI60013\Data:#20

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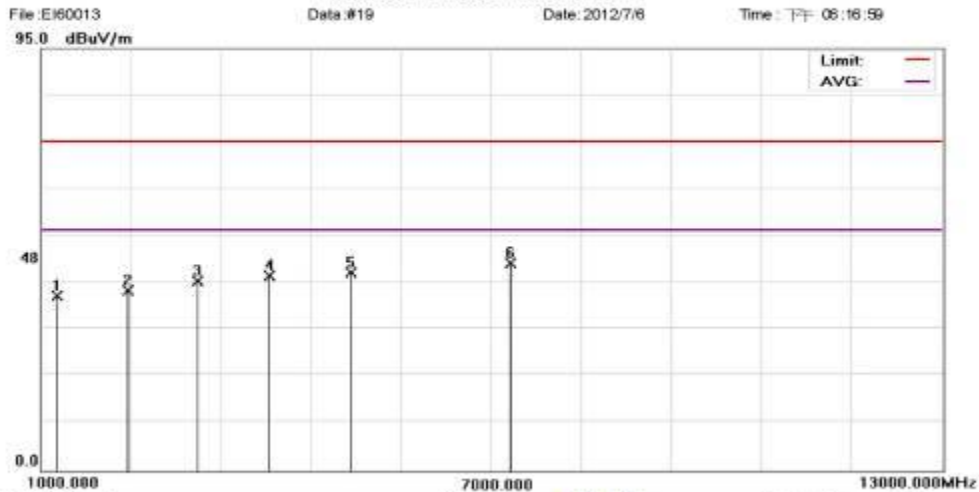
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Radiated Emission Measurement



Site: 966-2 Chamber
Limit: FCC Class B 3M Radiation(1G-40G)(Pea
EUT: Silver Smart
M/N: XT303/3405
Mode: Config 2:Data Link;10% Battery Capacity
Note:

Polarization: **Vertical**
Power: From System
Distance:
Temperature: 25 °C
Humidity: 60%

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1216.000	42.39	-3.11	39.28	74.00	-34.72	peak	
2		2152.000	39.04	1.51	40.55	74.00	-33.45	peak	
3		3088.000	39.14	3.48	42.62	74.00	-31.38	peak	
4		4048.000	38.64	5.17	43.81	74.00	-30.19	peak	
5		5128.000	37.58	6.92	44.50	74.00	-29.50	peak	
6	*	7264.000	37.31	9.42	46.73	74.00	-27.27	peak	

*:Maximum data x:Over limit !:over margin

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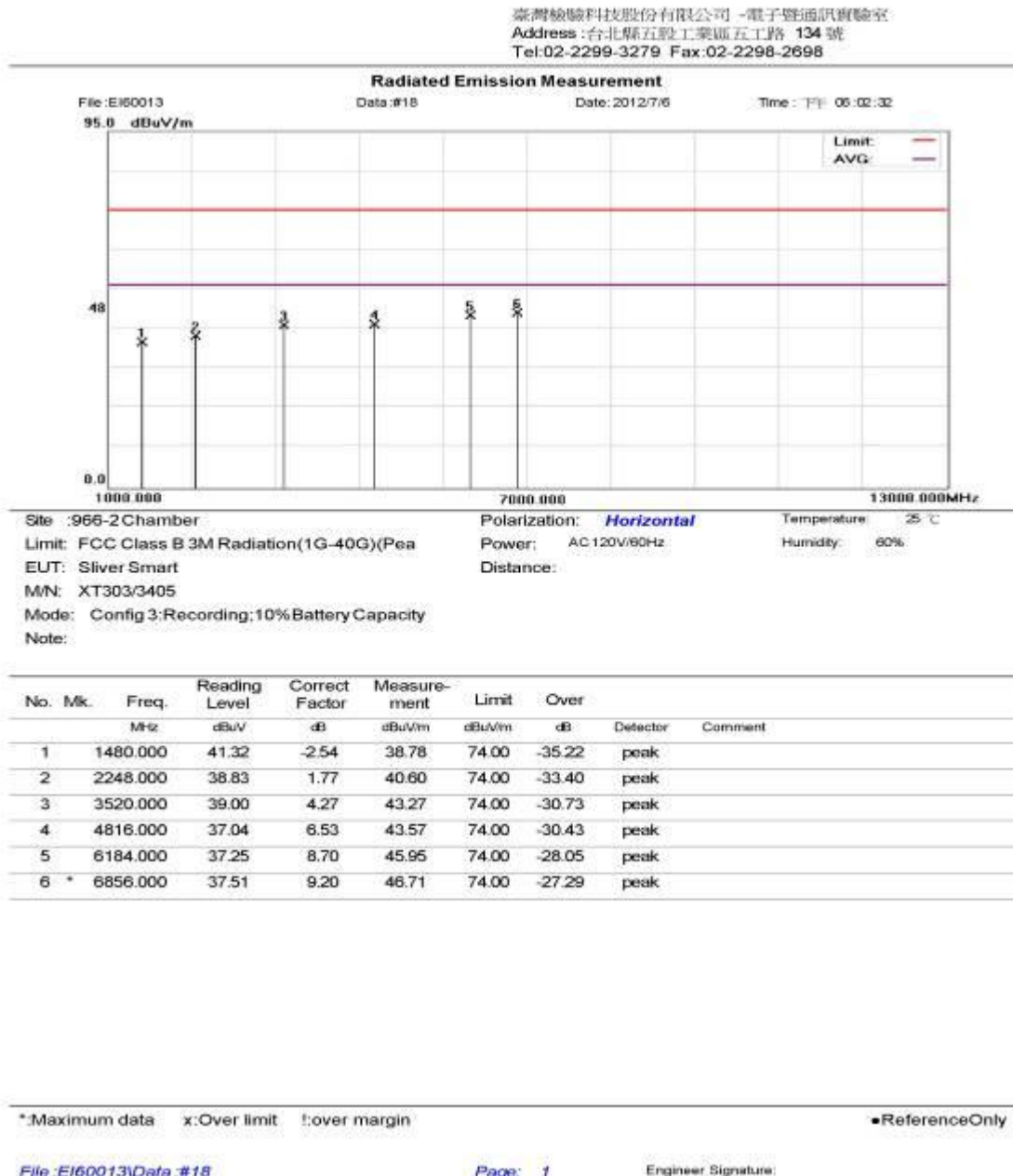
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Config 3: Recording H



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Radiated Emission Measurement

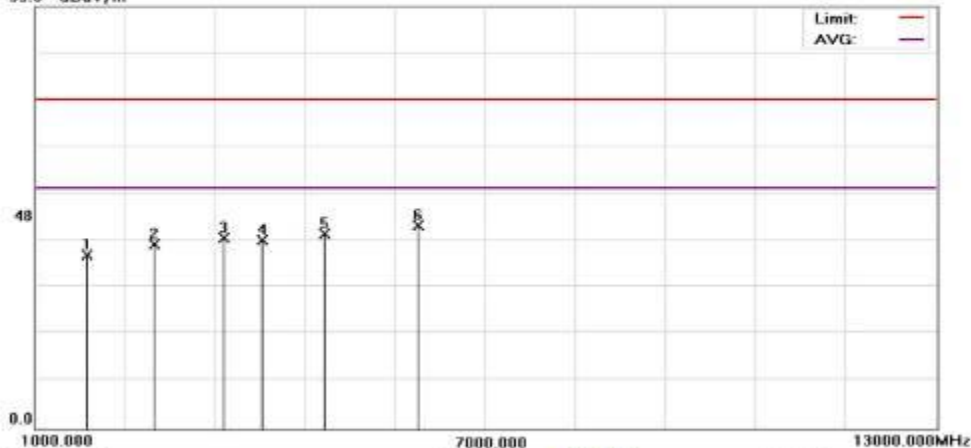
File: EI60013

Data: #17

Date: 2012/7/8

Time: 下午 05:49:29

95.0 dBuV/m



Site: 966-2 Chamber

Polarization: Vertical

Temperature: 25 °C

Limit: FCC Class B 3M Radiation(1G-40G)(Pea

Power: AC 120V/60Hz

Humidity: 60%

EUT: Silver Smart

Distance:

M/N: XT303/3405

Mode: Config 3:Recording;10% Battery Capacity

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1696.000	40.37	-1.32	39.05	74.00	-34.95	peak	
2		2584.000	38.88	2.54	41.42	74.00	-32.58	peak	
3		3520.000	38.62	4.27	42.89	74.00	-31.11	peak	
4		4024.000	37.23	5.15	42.38	74.00	-31.62	peak	
5		4864.000	37.22	6.58	43.80	74.00	-30.20	peak	
6	*	6112.000	37.10	8.60	45.70	74.00	-28.30	peak	

*:Maximum data x:Over limit !:over margin

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Page: 1

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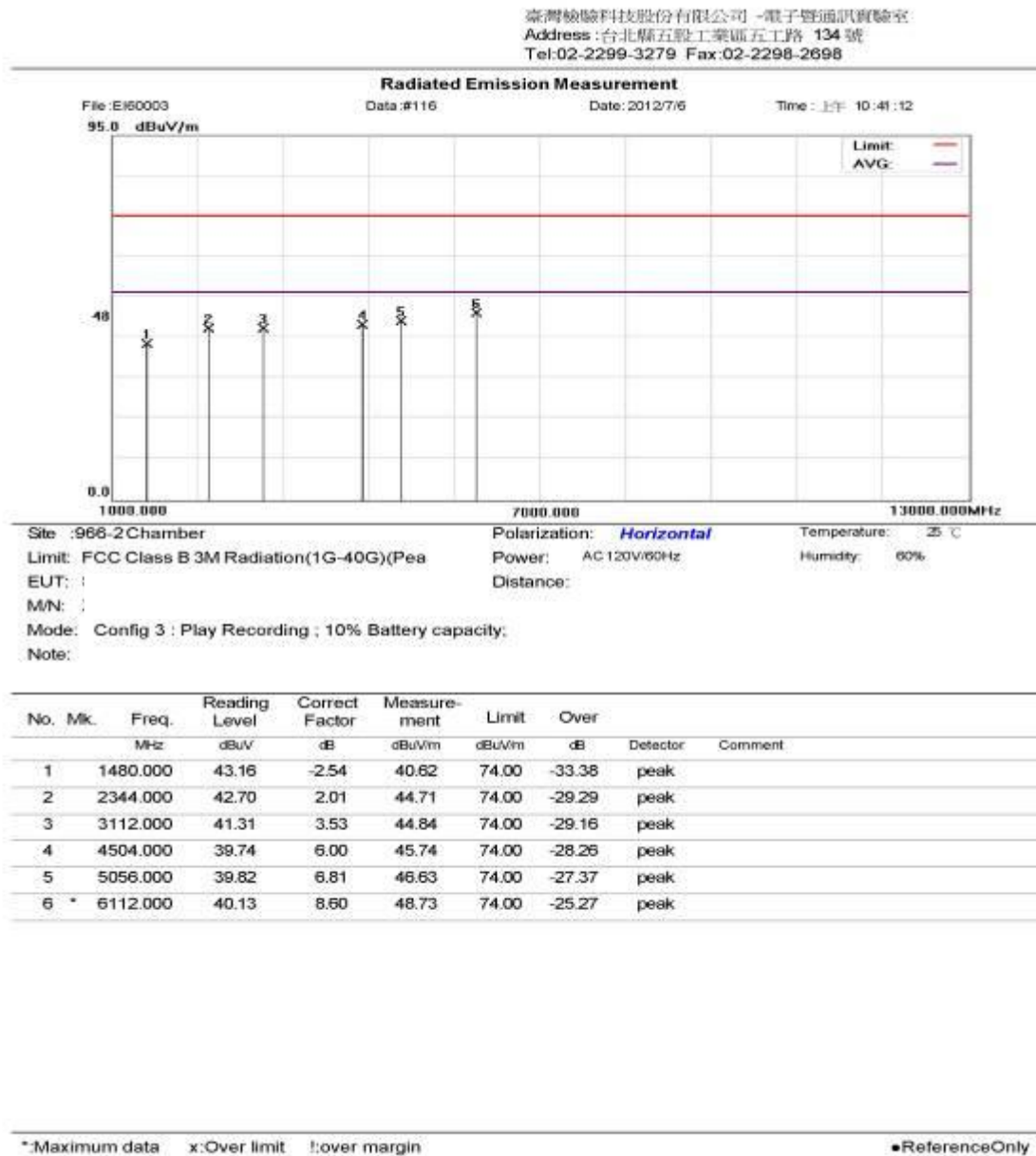
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Config 3: Play Recording

H



File: EI60003\Data: #116

Page: 1

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台灣檢驗科技股份有限公司

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Radiated Emission Measurement

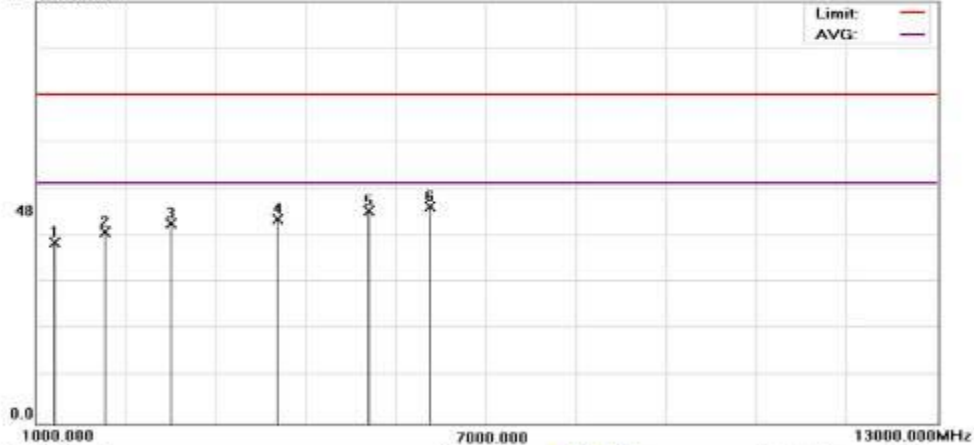
File: EI60003

Data: #115

Date: 2012/7/8

Time: 上午 10:38:09

95.0 dBuV/m



Site: 966-2 Chamber

Polarization: **Vertical**

Temperature: 25 °C

Limit: FCC Class B 3M Radiation(1G-40G)(Pea

Power: AC 120V/60Hz

Humidity: 60%

EUT:

Distance:

M/N:

Mode: Config 3 : Play Recording ; 10% Battery capacity;

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		1240.000	43.79	-3.01	40.78	74.00	-33.22	peak	
2		1912.000	42.82	0.37	43.19	74.00	-30.81	peak	
3		2800.000	42.17	2.90	45.07	74.00	-28.93	peak	
4		4216.000	40.68	5.38	46.06	74.00	-27.94	peak	
5		5440.000	40.37	7.38	47.75	74.00	-26.25	peak	
6	*	6256.000	40.12	8.80	48.92	74.00	-25.08	peak	

*:Maximum data x:Over limit !:over margin

●ReferenceOnly

File: EI60003\Data: #115

Page: 1

Engineer Signature:

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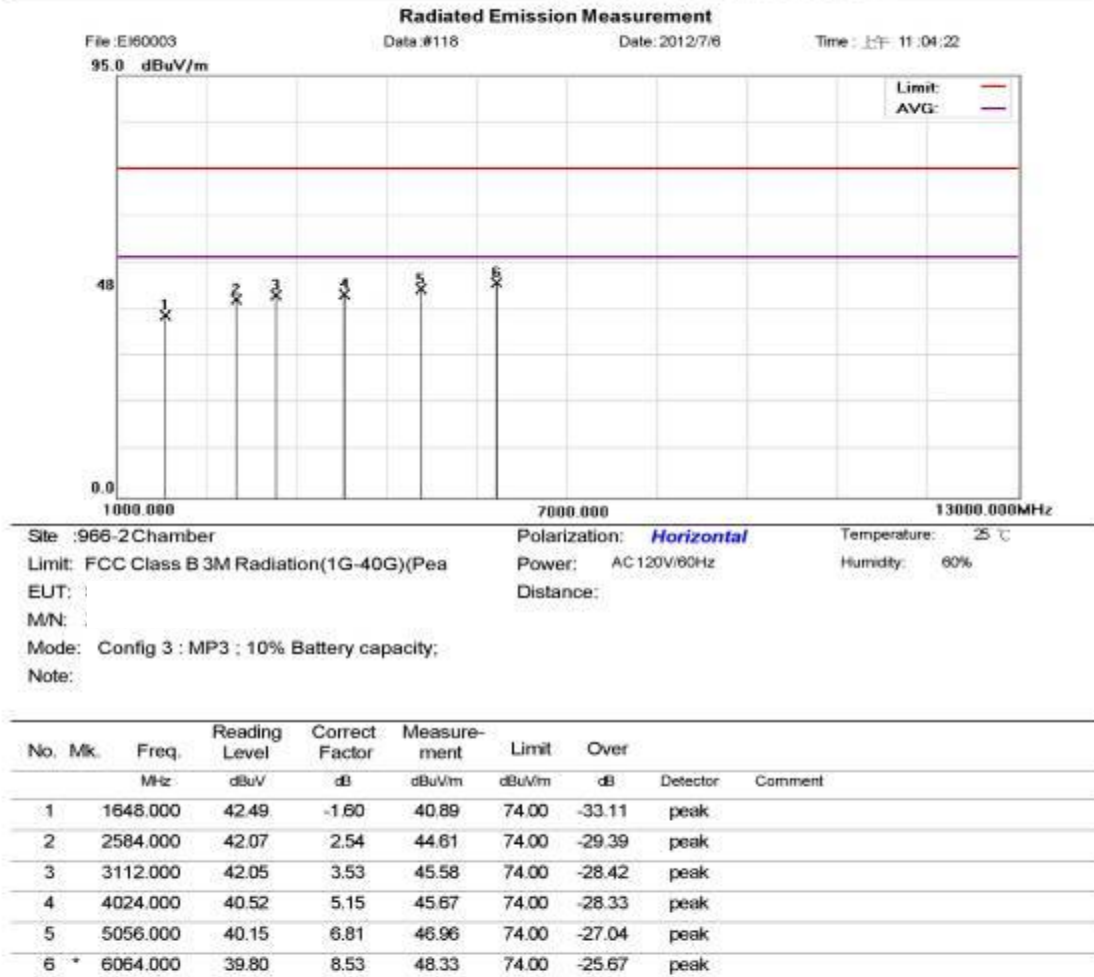
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Config 3:MP3

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File: EI60003/Data: #118

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Engineer Signature:

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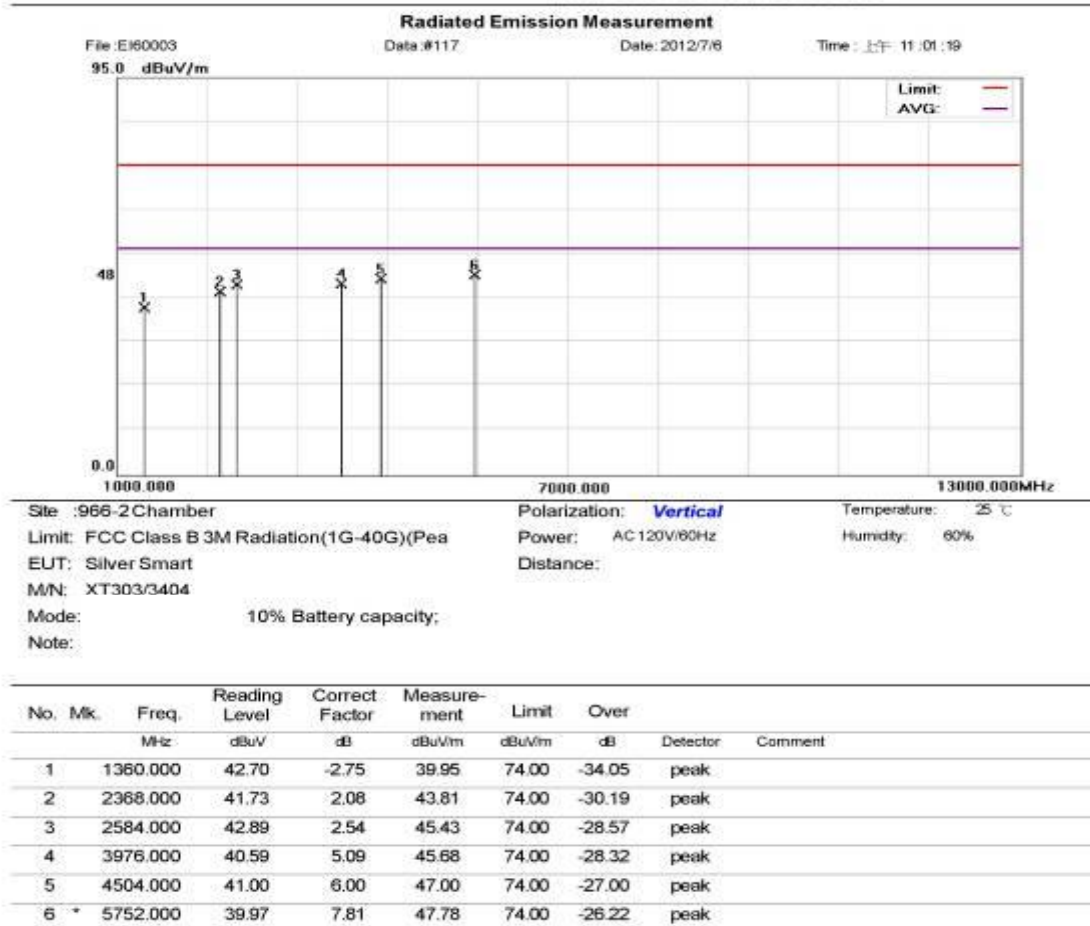
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