



시험 성적서

TEST REPORT

페이지(page) : (1) / (총(Total) 36)

성적서 번호 Report No.		ICRT-TR-E202750-0A	
신청자 Client	기관명 Name	RADWAG Wagi Elektroniczne Witold Lewandowski	
	주 소 Address	5 Torunska Street Radom, Poland 26-600	
시험대상품목 Sample description		X series balances	
모델명 Type designation		AS X, PS X and PS X.M	
정 격 Ratings		AC 120 V, 60 Hz	
시험장소 Place of test		☒ 고정시험(Inside test) ☐ 현장시험(Field test) 주소지(Address): 112, 113, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do,	
시험기간 Date of test		2020. 10. 19 ~ 2020. 10. 21	
시험방법/항목 Test Method/Item		FCC 47 CFR Part 15 Subpart B	
시험결과 Test Results		Refer to summary of test results	
확 인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성 명 Name	박 찬 (Signature) Park, Chan	박명철 (Signature) Park, Myeongcheol

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2020. 10. 26

주식회사 아이씨알 대표이사

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경기도 김포시 양촌읍 황금 3로 7번길 112 / Tel: 02-6351-9001 ~ 6

ICRT-QPA-17-03 Rev.0

112, 113, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea / Tel: 02-6351-9001 ~ 6



G4B(www.g4b.go.kr)진위확인코드 : ma0XpnOjNnw=





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1. Applicant Information

1.1 Applicant

Applicant : RADWAG Wagi Elektroniczne Witold Lewandowski
Address : 5 Torunska Street Radom, Poland 26-600
Contact person : Piotr Cieplucha
Telephone No. : 48483866240
Facsimile No. : -
E-mail : p.cieplucha@radwag.pl

1.2 Manufacture

Manufacture : RADWAG Wagi Elektroniczne Witold Lewandowski
Address : 5 Torunska Street Radom, Poland 26-600
Contact person : Piotr Cieplucha
Telephone No. : 48483866240
Facsimile No. : -
E-mail : p.cieplucha@radwag.pl

2. Laboratory

2.1 Information

Laboratory : ICR Co., Ltd
Address : 112, 113, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No. : +82-2-6351-9001
Facsimile No. : +82-2-6351-9007

KOLAS No. : KT652
RRA No. : KR0165

3. Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E202750-0A	2020. 10. 26	-	-





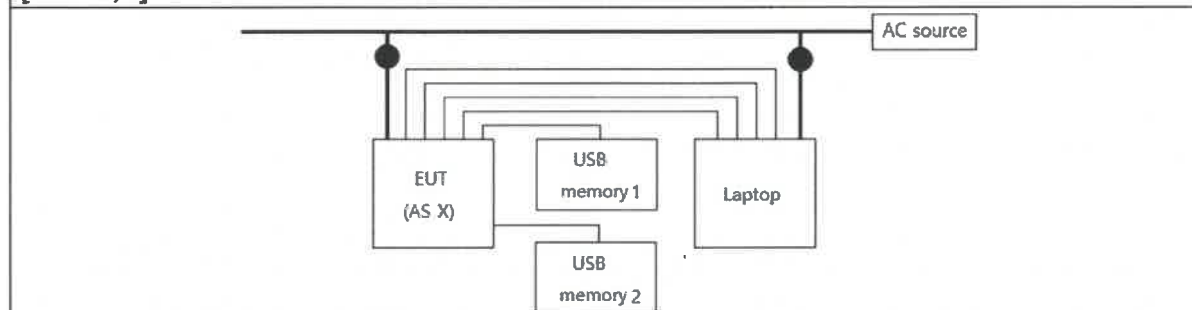
4. List of EUT and Accessory

4.1 Used equipment

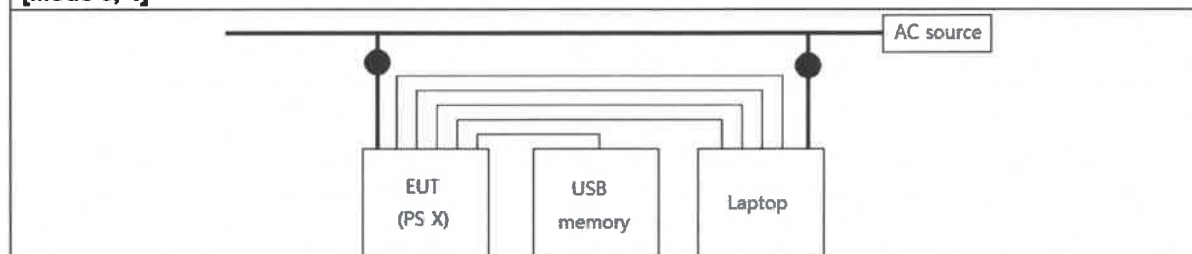
Description	Model	Manufacturer	Remark
X series balances	AS X	RADWAG Wagi Elektroniczne Witold Lewandowski	EUT [Mode 1, 2]
X series balances	PS X	RADWAG Wagi Elektroniczne Witold Lewandowski	EUT [Mode 3, 4]
X series balances	PS X.M	RADWAG Wagi Elektroniczne Witold Lewandowski	EUT [Mode 5, 6]
Adapter	MSA-C1200CS12.0-18F-DE	MOSO	EUT
Laptop	E520 1143-A89	LENOVO	AE
Adapter(Laptop)	PA-1650-16	LENOVO	AE
USB memory1	-	-	AE
USB memory2	-	-	AE

4.2 Test Configuration

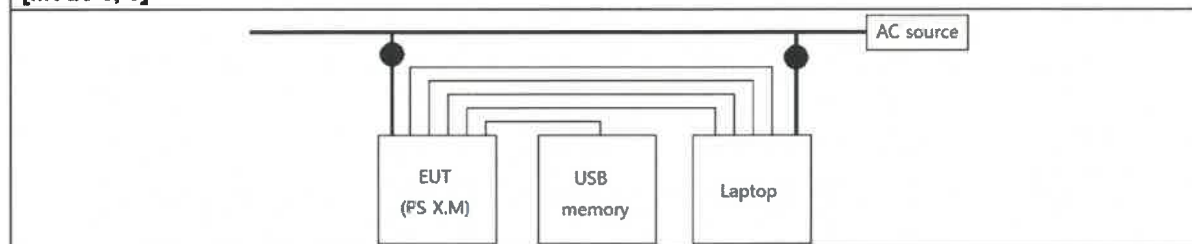
[Mode 1, 2]



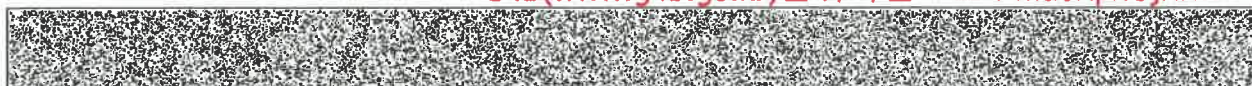
[Mode 3, 4]



[Mode 5, 6]



—— : Signal line ——— : Power line △ : GROUND ● : Adapter



**4.3 Cable List**

Equipment	Port	Equipment	Port	Length (m)	Shielded
EUT [Mode 1, 2]	COM1	Laptop	USB	3.0	Shielded
	COM2	Laptop	USB	3.0	Shielded
	LAN	Laptop	LAN	3.0	Shielded
	USB1	Laptop	USB	2.0	Shielded
	USB2	USB memory1	USB	2.0	Shielded
	USB3	USB memory2	USB	2.0	Shielded
	DC IN	Adapter	DC OUT	1.5	Unshielded
EUT [Mode 3, 4, 5, 6]	COM1	Laptop	USB	3.0	Shielded
	COM2	Laptop	USB	3.0	Shielded
	LAN	Laptop	LAN	3.0	Shielded
	USB1	Laptop	USB	2.0	Shielded
	USB2	USB memory	USB	2.0	Shielded
	DC IN	Adapter	DC OUT	1.5	Unshielded

4.4 Mode of Operating during the test

Common operating mode : EUT was continuous measure a Ferrite core weight. At the same time, measuring data is transmit the laptop and store to USB memory.

[Mode 1] : Sample AS X, Communicate with RS-232 function

[Mode 2] : Sample AS X, Communicate with LAN function

[Mode 3] : Sample PS X, Communicate with RS-232 function

[Mode 4] : Sample PS X, Communicate with LAN function

[Mode 5] : Sample PS X.M, Communicate with RS-232 function

[Mode 6] : Sample PS X.M, Communicate with LAN function

4.5 EUT Modifications

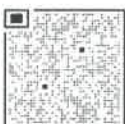
- None

4.6 Family Model Name

- None

4.7 Additional Items

- FCC ID : 2AXRT-ASPSX





5. Summary of test result

5.1 Test Summary

Standard	Test items	Applied	Results
FCC Part 15.109 Class B	Radiated disturbance	☒	Pass
FCC Part 15.107 Class B	Conducted disturbance	☒	Pass
* The data in this test report are traceable to the national or international standards.			

Frequency range to be scanned:

0.15 MHz to 30 MHz as Conducted measurement

5th harmonic of the highest frequency or 40 GHz, whichever is lower as Radiated measurement

Bandwidth:

Measured by the CISPR quasi-peak function Bandwidth is 9 kHz in the frequency 0.15 MHz to 30 MHz and 120 kHz in the frequency 30 MHz to 1 000 MHz.

Measured by the CISPR Peak function Bandwidth is 1 MHz in the frequency 1 GHz to 40 GHz.

※ The internal sources of the EUT is less than 108 MHz





6. Test Description

5.2 Facility

All the testing facilities are periodically serviced as a daily check for equipment and cables systems, an every 6 months facility check for the facilities and a monthly check and annual calibration for testing equipment according to ISO/IEC 17025. All the testing facilities are used as the same specifications shown below. There are descriptions both for radiated disturbance measurement and conducted disturbance measurement conformed by ANSI C 63.4-2014.

5.3 Test Procedure

6.2.1 Radiated Disturbance Measurements – Below 1 GHz

- Test site is met the requirements of ANSI C 63.4-2014 and the distance between the EUT and the antenna is adjusted 3 m/10 m.
- The turntable can be rotated 360 degrees.
- The antenna can be adjusted between 1 m and 4 m in height above the ground.
- The EUT is placed on the non-conducting table with 0.8 m height on the turntable.
- Measurements are carried out using a EMI test receiver with peak detectors (100 kHz bandwidth) and an EMI receiver with quasi-peak detectors(120 kHz bandwidth).
- Refer to the list of test equipment used for the test.
- Trilog antenna are used as Broadband antenna.
- The Trilog antenna is used in the frequency range of 30 to 1 000MHz, the Horn antenna is used in the frequency range of 1 GHz to 18 GHz.
- A variable attenuator is used for verifying amplifier's linearity.
- Rotating the turntable and adjusting the height of the antenna are carried out by control buttons on the console.
- Refer to "Brief Information"(page 4-5) about details of the EUT and configuration of the cables.
- Measurement is carried out by a ICR operator as manual operation.
- searching for some of High disturbance frequency points than the other points with the following settings;
bandwidth 100 kHz, frequency range 10 MHz between 30 MHz and 300 MHz and frequency range 50 MHz between 300 MHz and 1 GHz.
- searching the worst direction with the maximum level of the disturbance wave in rotating the turntable 360 degrees at each searched frequency point.
- setting the height of the antenna with the maximum level of the disturbance wave from 1 m to 4 m.
- reading the disturbance level by the EMI receiver with quasi-peak detectors (120 kHz bandwidth) according to ANSI C 63.4-2014.
- measuring to vertical and horizontal polarization.
- calculating the measurement result with the following formula or equation:
[Measurement result= measured value + Antenna factor + Cable loss - (Amp.)]

6.2.2 Radiated Disturbance Measurements – Above 1 GHz

- Test site is met the requirements of ANSI C 63.4-2014 and the distance between the EUT and the antenna is adjusted 3 m.
- The turntable can be rotated 360 degrees.
- The antenna can be adjusted between 1 m in height above the ground.
- The EUT is placed on the non-conducting table with 1 m height on the turntable.
- Measurements are carried out using a EMI test receiver with peak detectors (1 MHz bandwidth) and an EMI receiver with peak and average detectors(1 MHz bandwidth).
- Refer to the list of test equipment used for the test.
- HORN ANTENNA are used as WIDEBAND ANTENNA.
- The HORN ANTENNA is used in the frequency range of 1 GHz to 18 GHz.
- A variable attenuator is used for verifying amplifier's linearity.
- Rotating the turntable and adjusting the height of the antenna are carried out by control buttons on the console.
- Refer to "Brief Information"(page 4-5) about details of the EUT and configuration of the cables.





- Measurement is carried out by a ICR operator as manual operation.
- searching the worst direction with the maximum level of the disturbance wave in rotating the turntable 360 degrees at each searched frequency point.
- setting the height of the antenna with the maximum level of the disturbance wave from 1 m
- reading the disturbance level by the EMI receiver with peak and average detectors (1 MHz bandwidth) according to ANSI C 63.4-2014.
- measuring to vertical and horizontal polarization.
- calculating the measurement result with the following formula or equation:
[Measurement result= measured value + Antenna factor + Cable loss - (Amp.)]

5.2.2 Conducted Disturbance Measurements

- The measurement is carried out on an open site with horizontal and metallic ground plane.
- An AMN(Artificial Mains Network) with a nominal impedance (50 Ω /50 μ H) as defined in ANSI C 63.4-2014., shall be utilized.
- The AMN is grounded on a horizontal metal ground plane.
- Measurement is carried out using an EMI receiver with quasi-peak detectors and average detector. (Refer to the List of test equipment used for the test.)
- The shortest distance between the EUT and the AMN is 0.8 m.
- The EUT is placed on the non-conducting table with 0.8 m height.
- A remote switch is used for changing phases between Line (L) and Neutral (N).
- Refer to "Brief Information"(page 4-5) about details of the EUT and configuration of the cables.
- Measurement is carried out as manual operation.
 - detecting the maximized emission level using the maxhold function after setting the spectrum analyzer bandwidth 1 kHz and the frequency range from 150 kHz to 1 MHz, 1 MHz to 5 MHz and 5 MHz to 30 MHz.
 - searching the maximum frequency point of the disturbance wave in each frequency range.
 - reading the disturbance level of quasi-peak, average and Line (L) and Neutral (N) in 9 kHz bandwidth by the EMI receiver.
- calculating the measurement result with the following formula or equation.
(Result = Reading + Corr)
(Margin = Limit - Result)





6. EMISSION

6.1 Radiated disturbance

Definition:

The test assesses the ability of ancillary equipment to limit their internal noise from being radiated from the enclosure.

Test method	: FCC Part 15.109, Class B
Test Date	: 2020. 10. 20 @ Below 1 GHz
Test Date	: 2020. 10. 21 @ Above 1 GHz
Temperature, Humidity	: (19.8 to 20.9) °C, (38.3 to 39.2) % R.H. @ Below 1 GHz (20.1 to 21.2) °C, (37.7 to 39.0) % R.H. @ Above 1 GHz
Measurement Distance	: Below 1 GHz @ 10 m, Above 1 GHz @ 3 m
Measurement Frequency range	: 30 MHz to 18 GHz
Measurement RBW	: Below 1 GHz @ 120 kHz, Above 1 GHz @ 1 MHz
Test mode	: Mode 1 ~ 6
Result	: Pass

A sample calculation:

- Corr (correction factor) = Ant. Factor + Cable loss – (Amp.) (Below 1 GHz)
- Corr (correction factor) = Ant. Factor + Cable loss – (Amp.) (Above 1 GHz)
- Emission Level = meter reading + Corr
- Sample calculation; MODE 6
- Below 1 GHz (Quasi-Peak)
At Frequency : 81.216 MHz Result = Reading + Corr = 63.25 (dBμV/m) + (-25.4) dB = 37.85 dB(μV/m)
- Sample calculation; MODE 3
- Above 1 GHz (Average)
At Frequency : 17 756.822 MHz Result = Reading + Corr = 35.22 dB(μV/m) + (10.6) dB = 45.82 dB(μV/m)
- Measurement Data kept in ICR





Limits of below 1 GHz - CLASS A

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Distance (m)
30 to 88	90	10
88 to 216	150	
216 to 960	210	
Above 960	300	

Limits of below 1 GHz - CLASS B

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Distance (m)
30 to 88	100	3
88 to 216	150	
216 to 960	200	
Above 960	500	

Used equipments:

- Below 1 GHz

Used	Equipment	Model name	Manufacturer	Serial No.	Next Cal.
☒	EMI Test Receiver	ESR7	R&S	101724	2021. 04. 16
☒	TRILOG BROAD BAND ANTENNA(KOLAS)	VULB 9162	SCHWARZBECK	143	2020. 12. 07
☒	RF Pre Amplifier	SCU 08	R&S	100744	2021. 04. 16
☒	HUMIDITY/TEMP. DATA RECORDER	MHT-381SD	LUTRON	AI.63105	2021. 03. 04

- Above 1 GHz

Used	Equipment	Model name	Manufacturer	Serial No.	Next Cal.
☒	EMI Test Receiver	ESR26	R&S	101462	2021. 04. 16
☒	HORN ANTENNA (RRA)	HF907	R&S	102606	2021. 01. 24
☒	RF Pre Amplifier	SCU 18	R&S	102342	2021. 04. 16
☒	HUMIDITY/TEMP. DATA RECORDER	MHT-381SD	LUTRON	AI.63106	2021. 03. 04

Test Software:

Used	Description	Model name	Manufacturer	Version.
☒	EMI Test Software	EMC32	R & S	10.01.00

Measurement Data:

- Refer to the Next page.



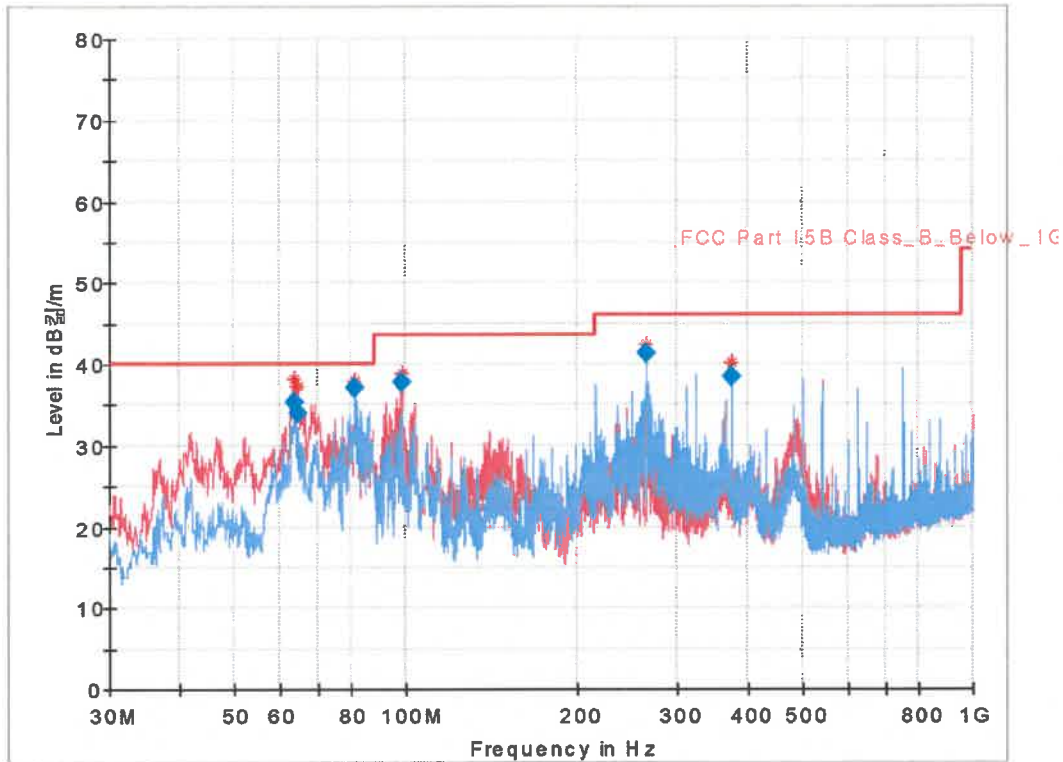


DATA(Mode 1) – 1 GHz Below

Test Report

Common Information

Test Description: AS X
Operating Conditions: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE1_RE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.562000	35.41	40.00	4.59	1000.0	120.000	99.9	V	259.0	-21.5
64.726000	33.95	40.00	6.05	1000.0	120.000	99.9	V	102.0	-21.7
81.216000	37.15	40.00	2.85	1000.0	120.000	99.9	V	102.0	-25.4
98.385000	37.79	43.50	5.71	1000.0	120.000	99.9	V	74.0	-20.7
263.964000	41.23	46.00	4.77	1000.0	120.000	99.9	H	276.0	-18.2
375.029000	38.34	46.00	7.66	1000.0	120.000	99.9	H	328.0	-15.5



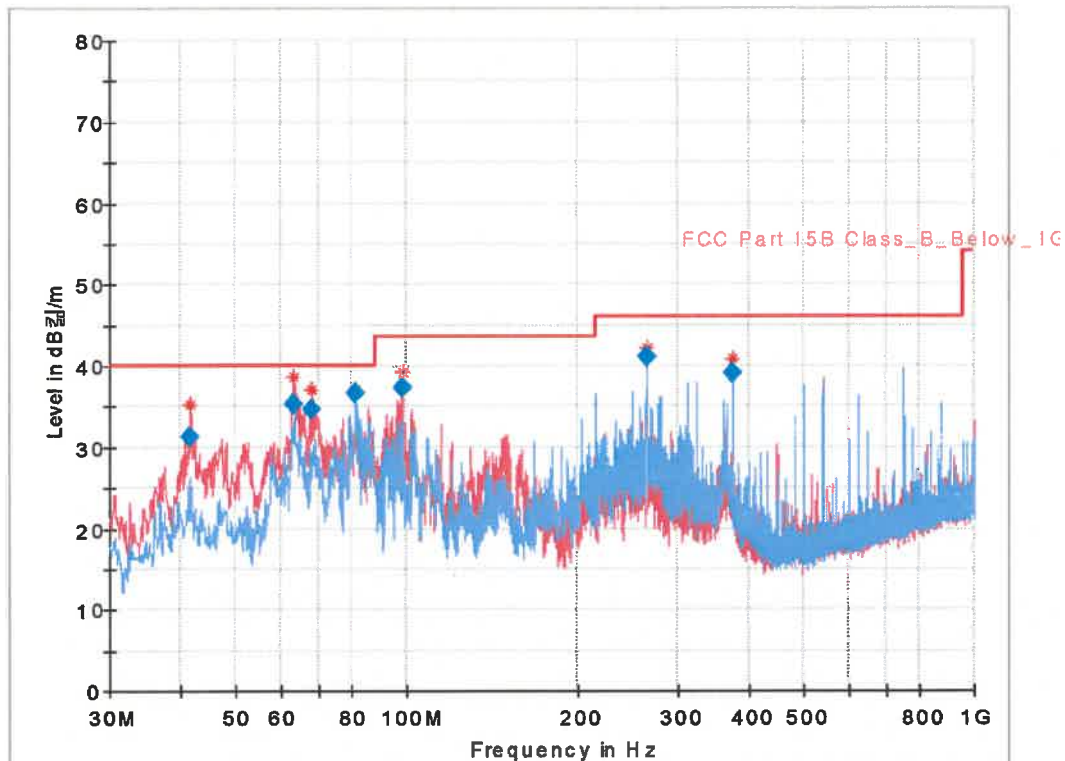


DATA(Mode 2) – 1 GHz Below

Test Report

Common Information

Test Description: AS X
Operating Conditions: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE2_RE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.640000	31.30	40.00	8.70	1000.0	120.000	99.9	V	310.0	-19.8
63.465000	35.38	40.00	4.62	1000.0	120.000	99.9	V	278.0	-21.4
68.218000	34.60	40.00	5.40	1000.0	120.000	200.1	V	222.0	-23.1
81.607000	36.63	40.00	3.37	1000.0	120.000	400.1	H	0.0	-26.3
98.385000	37.38	43.50	6.12	1000.0	120.000	99.9	V	140.0	-20.7
264.061000	41.03	46.00	4.97	1000.0	120.000	99.9	H	266.0	-18.2
375.029000	39.15	46.00	6.85	1000.0	120.000	200.1	H	34.0	-16.5



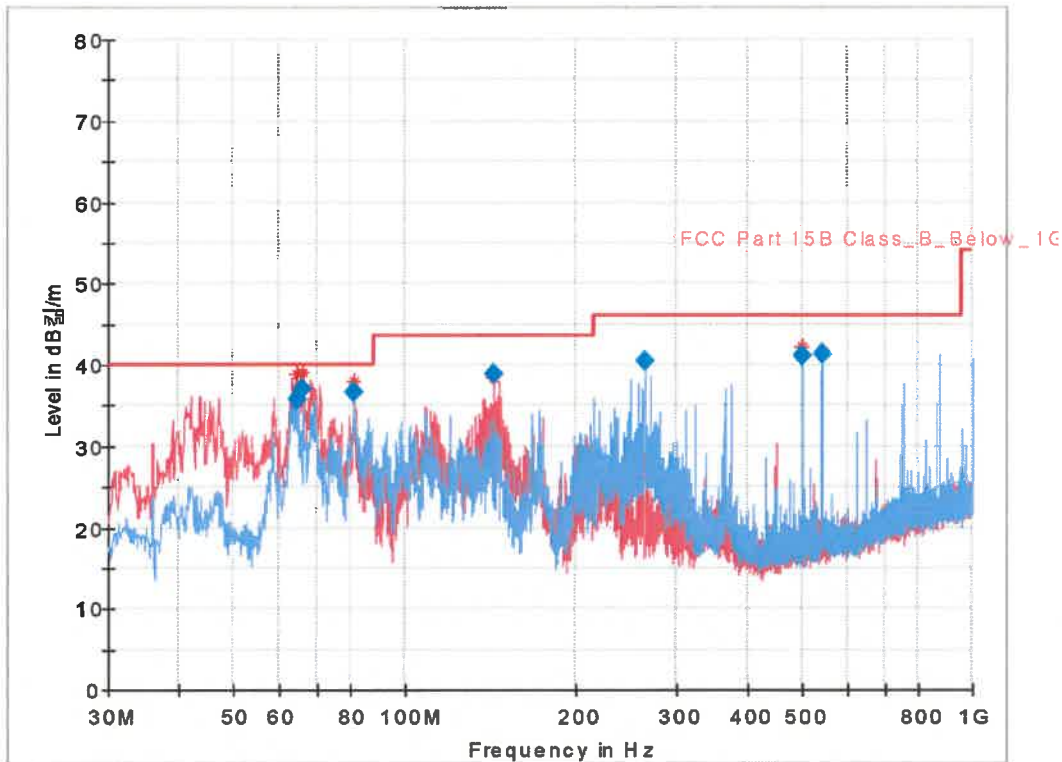


DATA(Mode 3) – 1 GHz Below

Test Report

Common Information

Test Description: PS X
Operating Conditions: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE3_RE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.726000	35.78	40.00	4.22	1000.0	120.000	300.0	V	289.0	-21.7
66.278000	37.10	40.00	2.90	1000.0	120.000	200.1	V	264.0	-22.3
81.216000	36.56	40.00	3.44	1000.0	120.000	400.1	H	0.0	-25.4
143.296000	38.82	43.50	4.68	1000.0	120.000	100.0	V	214.0	-24.0
263.964000	40.42	46.00	5.58	1000.0	120.000	100.0	H	74.0	-18.2
499.965000	41.21	46.00	4.79	1000.0	120.000	200.1	H	165.0	-13.3
540.026000	41.38	46.00	4.62	1000.0	120.000	200.1	H	0.0	-12.1



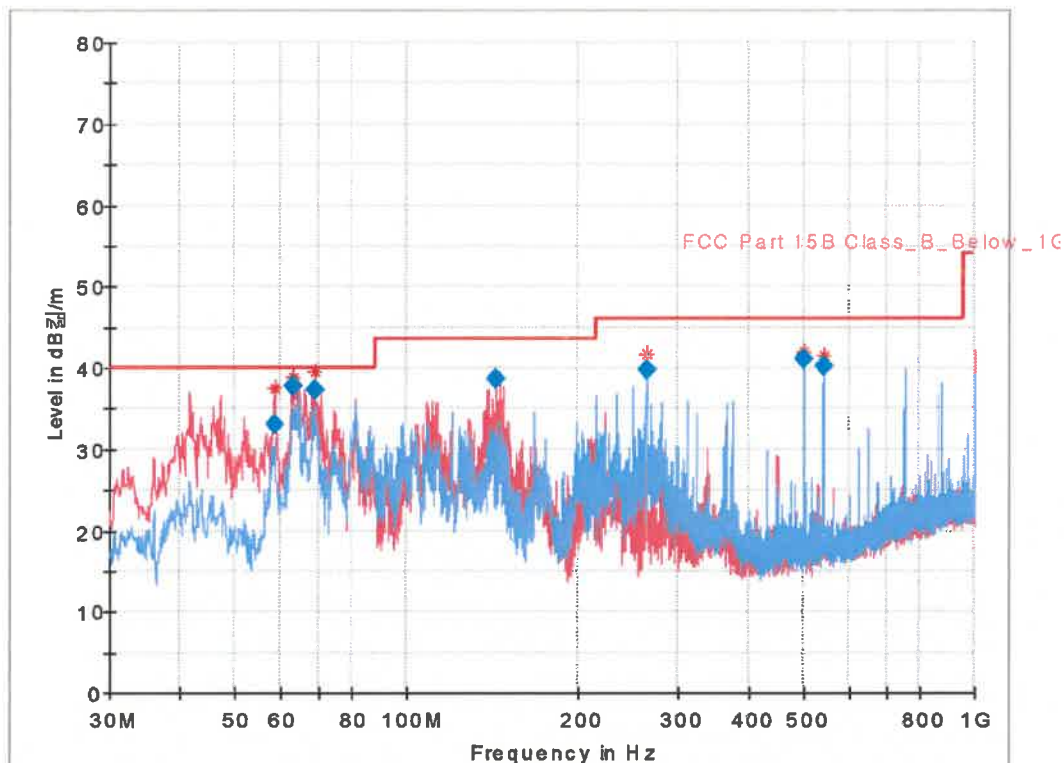


DATA(Mode 4) – 1 GHz Below

Test Report

Common Information

Test Description: PS X
Operating Conditions: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE4_RE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
58.518000	33.06	40.00	6.94	1000.0	120.000	199.9	V	135.0	-20.2
63.368000	37.71	40.00	2.29	1000.0	120.000	100.0	V	79.0	-21.4
68.994000	37.29	40.00	2.71	1000.0	120.000	199.9	V	185.0	-23.4
143.296000	38.71	43.50	4.79	1000.0	120.000	100.0	V	222.0	-24.0
263.964000	39.76	46.00	6.24	1000.0	120.000	100.0	H	283.0	-18.2
499.965000	41.02	46.00	4.98	1000.0	120.000	199.9	H	158.0	-13.3
540.026000	40.20	46.00	5.80	1000.0	120.000	199.9	H	341.0	-12.1



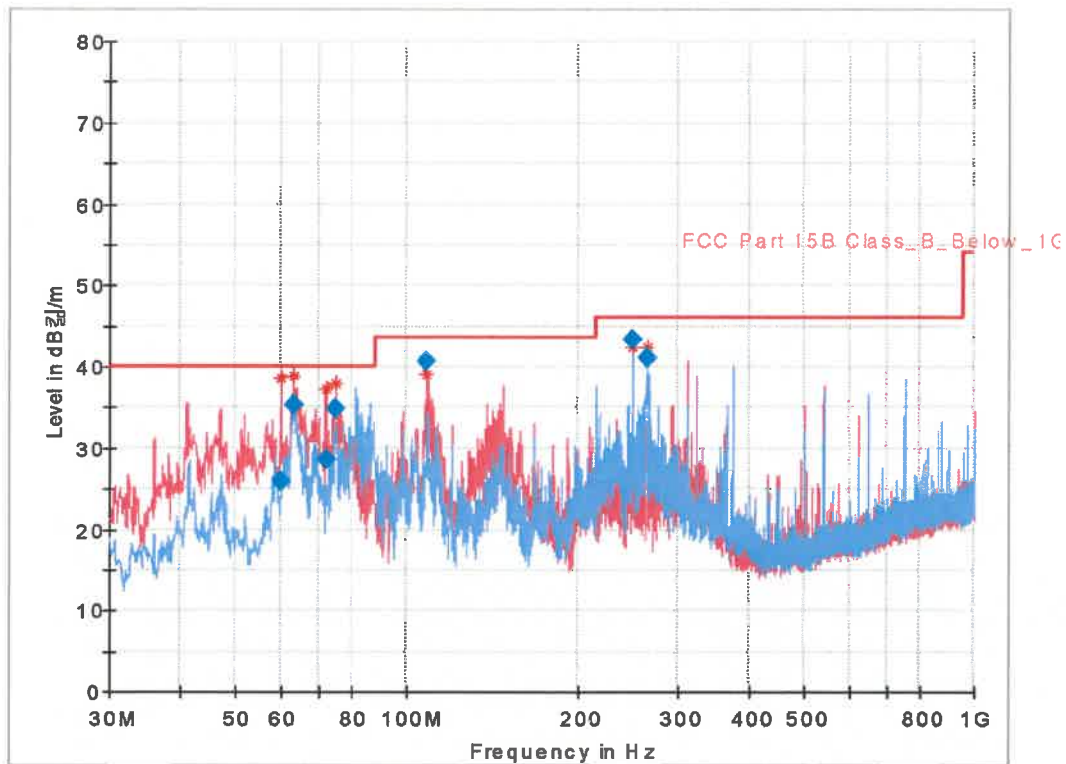


DATA(Mode 5) – 1 GHz Below

Test Report

Common Information

Test Description: PS X.M
Operating Conditions: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE5_RE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
59.973000	25.86	40.00	14.14	1000.0	120.000	100.0	V	0.0	-20.5
63.368000	35.24	40.00	4.76	1000.0	120.000	400.0	V	263.0	-21.4
72.001000	28.64	40.00	11.36	1000.0	120.000	100.0	V	0.0	-24.5
75.105000	34.93	40.00	5.07	1000.0	120.000	100.0	V	303.0	-24.9
108.764000	40.76	43.50	2.74	1000.0	120.000	100.0	V	273.0	-21.5
249.996000	43.38	46.00	2.62	1000.0	120.000	100.0	H	283.0	-18.9
263.964000	41.19	46.00	4.81	1000.0	120.000	100.0	H	271.0	-18.2



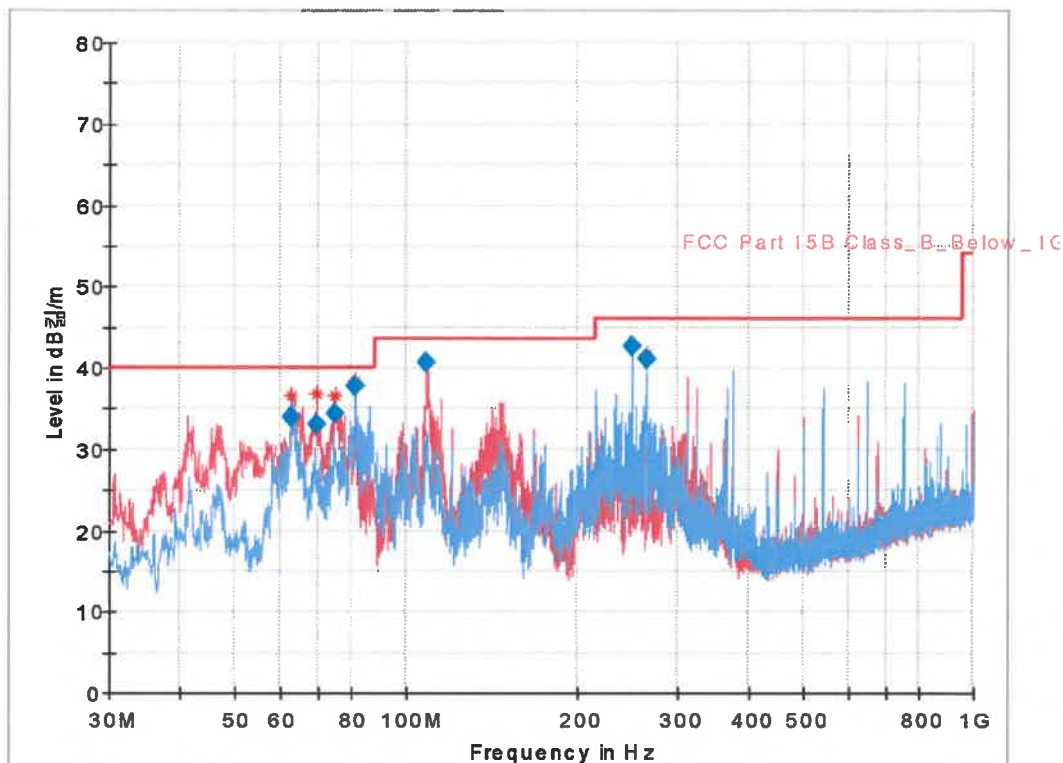


DATA(Mode 6) – 1 GHz Below

Test Report

Common Information

Test Description: PS X.M
Operating Conditions: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE6_RE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.980000	33.98	40.00	6.02	1000.0	120.000	200.1	V	230.0	-21.3
69.673000	33.04	40.00	6.96	1000.0	120.000	100.0	V	188.0	-23.6
75.008000	34.42	40.00	5.58	1000.0	120.000	100.0	V	239.0	-24.9
81.216000	37.85	40.00	2.15	1000.0	120.000	399.9	H	7.0	-26.4
108.764000	40.76	43.50	2.74	1000.0	120.000	100.0	V	275.0	-21.5
249.996000	42.63	46.00	3.37	1000.0	120.000	100.0	H	263.0	-18.9
264.061000	41.10	46.00	4.90	1000.0	120.000	100.0	H	277.0	-18.2



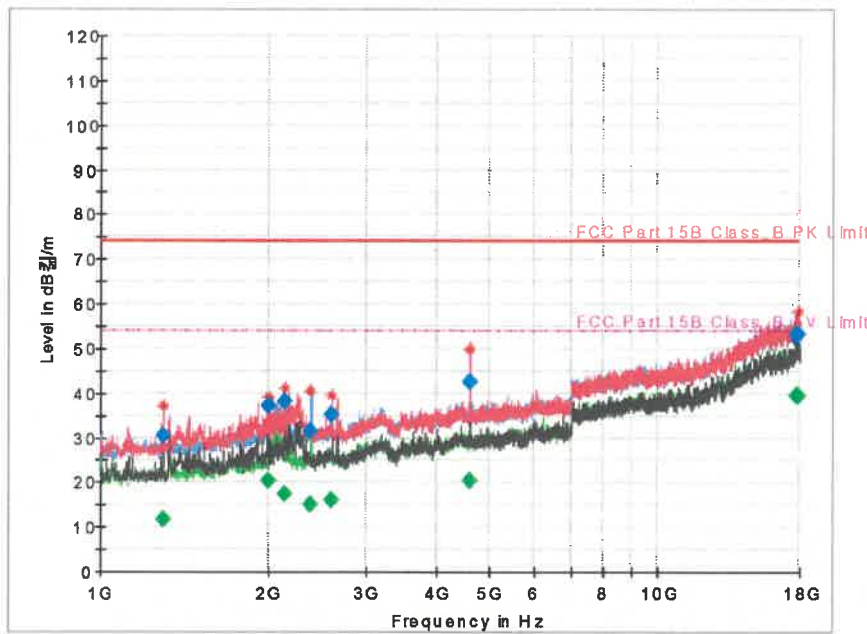


DATA(Mode 1) – 1 GHz Above

Test Report

Common Information

Test Description: AS X
Test Site: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE1_REG



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1294.842	36.41	---	74.00	37.59	3000.0	1000.000	300.3	V	115.0	-18.3
1294.842	---	17.82	54.00	36.18	3000.0	1000.000	300.3	V	115.0	-18.3
1999.469	43.24	---	74.00	30.76	3000.0	1000.000	200.1	V	176.0	-13.9
1999.469	---	26.34	54.00	27.66	3000.0	1000.000	200.1	V	176.0	-13.9
2137.918	44.16	---	74.00	29.84	3000.0	1000.000	200.1	V	283.0	-13.6
2137.918	---	23.33	54.00	30.67	3000.0	1000.000	200.1	V	283.0	-13.6
2382.632	37.48	---	74.00	36.52	3000.0	1000.000	200.1	H	317.0	-13.3
2382.632	---	20.92	54.00	33.08	3000.0	1000.000	200.1	H	317.0	-13.3
2595.026	41.06	---	74.00	32.94	3000.0	1000.000	200.1	V	248.0	-12.0
2595.026	---	22.05	54.00	31.95	3000.0	1000.000	200.1	V	248.0	-12.0
4597.735	48.57	---	74.00	25.43	3000.0	1000.000	99.7	V	137.0	-5.7
4597.735	---	26.31	54.00	27.69	3000.0	1000.000	99.7	V	137.0	-5.7
17790.336	---	45.60	54.00	8.40	3000.0	1000.000	300.3	V	150.0	10.7
17790.336	59.15	---	74.00	14.85	3000.0	1000.000	300.3	V	150.0	10.7
17907.273	---	45.64	54.00	8.36	3000.0	1000.000	300.3	V	150.0	11.1
17907.273	59.46	---	74.00	16.54	3000.0	1000.000	300.3	V	150.0	11.1



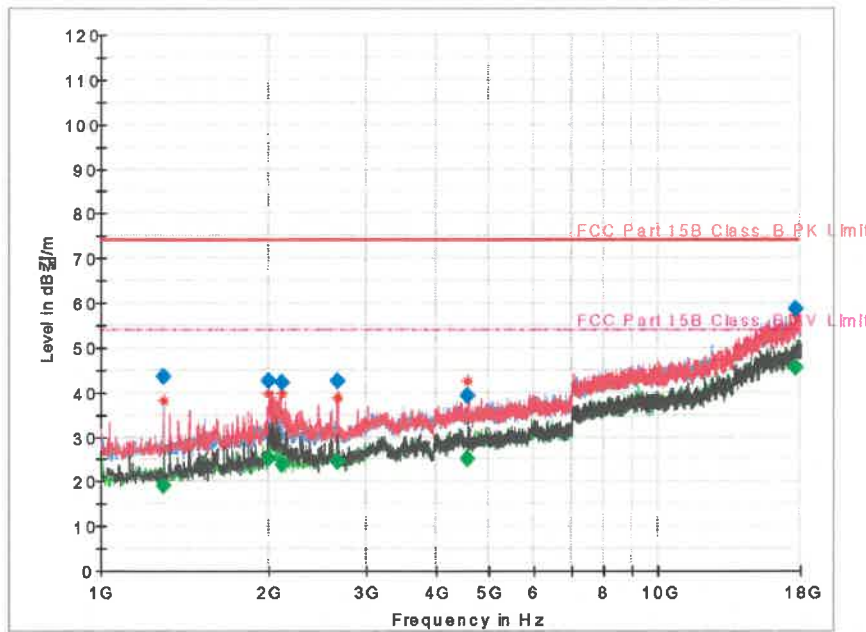


DATA(Mode 2) – 1 GHz Above

Test Report

Common Information

Test Description: AS X
Test Site: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE2_REG



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1299.846	---	19.10	54.00	36.90	3000.0	1000.000	99.9	H	179.0	-18.3
1299.846	43.68	---	74.00	30.32	3000.0	1000.000	99.9	H	179.0	-18.3
1997.634	---	25.28	54.00	28.72	3000.0	1000.000	99.9	V	110.0	-14.0
1997.634	42.73	---	74.00	31.27	3000.0	1000.000	99.9	V	110.0	-14.0
2112.529	---	23.83	54.00	30.17	3000.0	1000.000	99.9	V	179.0	-13.4
2112.529	42.16	---	74.00	31.84	3000.0	1000.000	99.9	V	179.0	-13.4
2660.745	---	24.62	54.00	29.38	3000.0	1000.000	200.2	V	0.0	-11.8
2660.745	42.52	---	74.00	31.48	3000.0	1000.000	200.2	V	0.0	-11.8
4582.114	---	25.23	54.00	28.77	3000.0	1000.000	200.2	V	290.0	-5.7
4582.114	39.24	---	74.00	34.76	3000.0	1000.000	200.2	V	290.0	-5.7
17687.190	---	45.75	54.00	8.25	3000.0	1000.000	300.2	V	138.0	10.5
17687.190	58.75	---	74.00	15.25	3000.0	1000.000	300.2	V	138.0	10.5



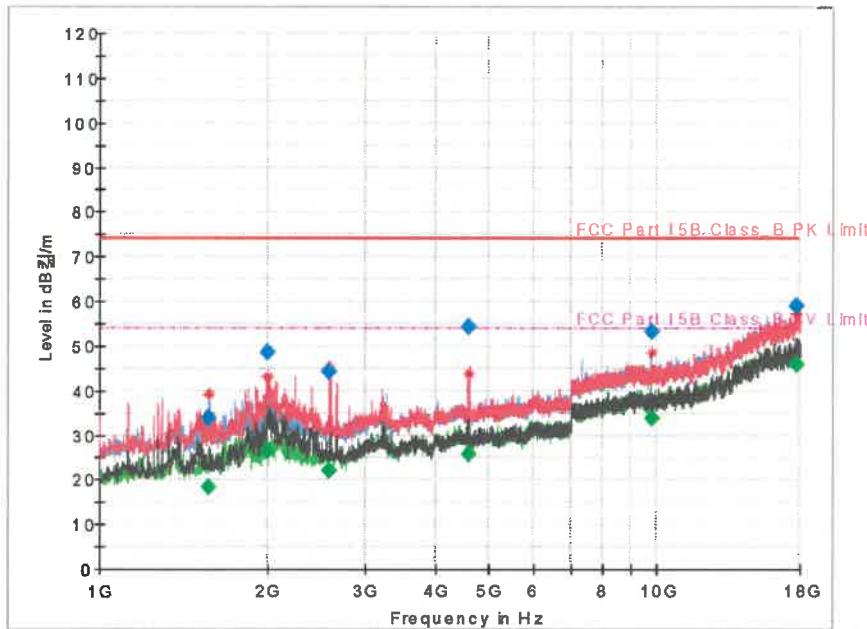


DATA(Mode 3) – 1 GHz Above

Test Report

Common Information

Test Description: PS X
Test Site: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE3_REG



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1571.914	---	18.60	54.00	35.40	3000.0	1000.000	300.1	H	50.0	-16.5
1671.914	33.87	---	74.00	40.13	3000.0	1000.000	300.1	H	50.0	-16.6
1999.760	---	26.33	54.00	27.67	3000.0	1000.000	199.5	V	5.0	-13.9
1999.760	48.44	---	74.00	25.56	3000.0	1000.000	199.5	V	5.0	-13.9
2585.863	---	22.03	54.00	31.97	3000.0	1000.000	300.0	V	78.0	-12.0
2585.863	44.11	---	74.00	29.89	3000.0	1000.000	300.0	V	78.0	-12.0
4597.436	---	25.71	54.00	28.29	3000.0	1000.000	199.5	V	69.0	-5.7
4597.436	54.33	---	74.00	19.67	3000.0	1000.000	199.5	V	69.0	-5.7
9771.180	---	33.95	54.00	20.05	3000.0	1000.000	199.5	H	175.0	1.5
9771.180	53.36	---	74.00	20.64	3000.0	1000.000	199.5	H	175.0	1.5
17756.822	---	45.82	54.00	8.18	3000.0	1000.000	99.8	V	284.0	10.6
17756.822	59.09	---	74.00	14.91	3000.0	1000.000	99.8	V	284.0	10.6



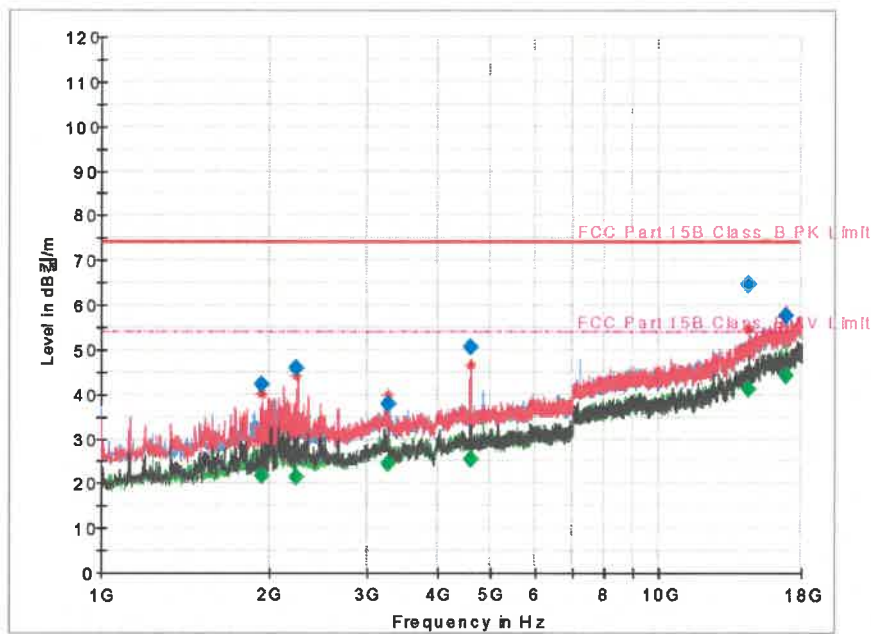


DATA(Mode 4) – 1 GHz Above

Test Report

Common Information

Test Description: PS X
Test Site: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE4_REG



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1946.732	42.36	---	74.00	31.64	3000.0	1000.000	199.9	V	143.0	-14.2
1946.732	---	21.68	54.00	32.32	3000.0	1000.000	199.9	V	143.0	-14.2
2244.750	45.80	---	74.00	28.20	3000.0	1000.000	199.9	V	108.0	-13.6
2244.750	---	21.40	54.00	32.60	3000.0	1000.000	199.9	V	108.0	-13.6
3260.870	37.83	---	74.00	36.17	3000.0	1000.000	300.1	V	113.0	-8.7
3260.870	---	24.42	54.00	29.58	3000.0	1000.000	300.1	V	113.0	-8.7
4598.299	60.56	---	74.00	23.44	3000.0	1000.000	99.7	V	76.0	-5.7
4598.299	---	25.48	54.00	28.52	3000.0	1000.000	99.7	V	76.0	-5.7
14502.190	---	41.23	54.00	12.77	3000.0	1000.000	199.9	V	325.0	7.9
14502.190	64.80	---	74.00	9.20	3000.0	1000.000	199.9	V	325.0	7.9
16947.945	---	44.31	54.00	9.69	3000.0	1000.000	199.9	H	0.0	9.0
16947.945	57.58	---	74.00	16.42	3000.0	1000.000	199.9	H	0.0	9.0



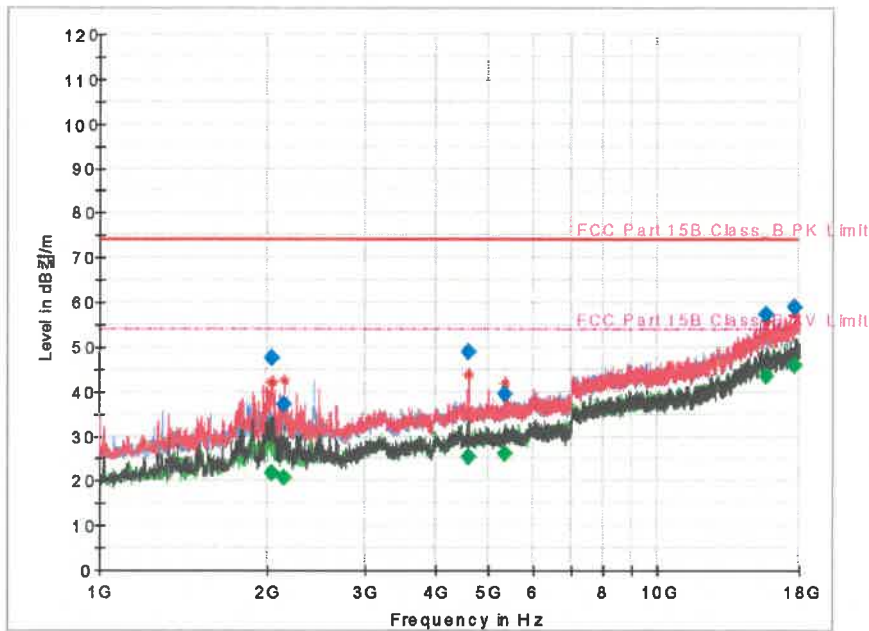


DATA(Mode 5) – 1 GHz Above

Test Report

Common Information

Test Description: PS X.M
Test Site: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE5_REG



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2046.464	47.61	---	74.00	26.39	3000.0	1000.000	199.9	V	8.0	-13.6
2046.484	---	21.67	54.00	32.33	3000.0	1000.000	199.9	V	8.0	-13.6
2147.859	37.07	---	74.00	36.93	3000.0	1000.000	199.9	V	186.0	-13.6
2147.859	---	20.74	54.00	33.26	3000.0	1000.000	199.9	V	186.0	-13.6
4593.136	---	25.35	54.00	28.65	3000.0	1000.000	199.9	V	259.0	-5.7
4593.136	49.09	---	74.00	24.91	3000.0	1000.000	199.9	V	259.0	-5.7
6321.361	---	26.03	54.00	27.97	3000.0	1000.000	99.8	V	43.0	-3.8
6321.361	39.49	---	74.00	24.51	3000.0	1000.000	99.8	V	43.0	-3.8
15672.371	---	43.68	54.00	10.42	3000.0	1000.000	99.8	V	334.0	8.3
15672.371	57.18	---	74.00	16.82	3000.0	1000.000	99.8	V	334.0	8.3
17719.332	---	45.76	54.00	8.24	3000.0	1000.000	300.0	V	0.0	10.5
17719.332	58.88	---	74.00	15.12	3000.0	1000.000	300.0	V	0.0	10.5



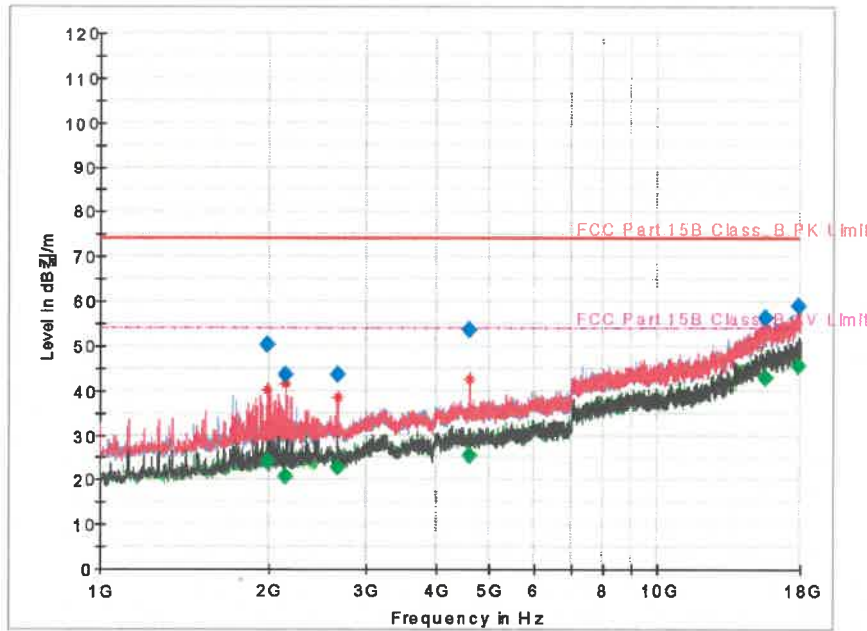


DATA(Mode 6) – 1 GHz Above

Test Report

Common Information

Test Description: PS X.M
Test Site: ICR 3 m Chamber
Operator Name: CHAN PARK
Comment: MODE6_REG



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1991.457	---	24.04	54.00	29.96	3000.0	1000.000	299.9	V	356.0	-14.0
1991.457	50.14	---	74.00	23.86	3000.0	1000.000	299.9	V	356.0	-14.0
2148.311	---	20.71	54.00	33.29	3000.0	1000.000	200.0	V	283.0	-13.6
2148.311	43.67	---	74.00	30.33	3000.0	1000.000	200.0	V	283.0	-13.6
2656.215	43.51	---	74.00	30.49	3000.0	1000.000	99.8	V	0.0	-11.8
2656.215	---	22.71	54.00	31.29	3000.0	1000.000	99.8	V	0.0	-11.8
4586.020	53.64	---	74.00	20.36	3000.0	1000.000	99.8	V	40.0	-5.7
4586.020	---	25.47	54.00	28.54	3000.0	1000.000	99.8	V	40.0	-5.7
16574.075	---	43.04	54.00	10.96	3000.0	1000.000	99.8	V	324.0	8.6
16574.075	56.34	---	74.00	17.66	3000.0	1000.000	99.8	V	324.0	8.6
17888.166	---	45.61	54.00	8.39	3000.0	1000.000	200.0	H	40.0	11.0
17888.166	59.12	---	74.00	14.89	3000.0	1000.000	200.0	H	40.0	11.0





6.2 Conducted disturbance

Definition:

The test assesses the ability of the EUT to limit its internal noise from being present on the AC mains Power and Signal Line In / Output ports.

Test method	: FCC Part 15.107, Class B
Test Date	: 2020. 10. 19
Measurement Frequency range and RBW	: 150 kHz to 30 MHz : 9 kHz
Temperature, Humidity	: (20.3 to 21.2) °C, (38.1 to 39.4) % R.H.
Test mode	: Mode 1 ~ 6
Result	: Pass

A sample calculation:

- Corr (correction factor) = LISN Insertion loss + Cable loss
- Emission Level = meter reading + Corr
- Sample calculation; Mode 2_LIVE
- At Frequency: 0.435 750 MHz Result = Reading + Corr = 26.07 dB(μV) + (9.9) dB = 35.97 dB(μV)
(☐ Quasi-peak, ☒ Average)
- Measurement Data kept in ICR





Limits for conducted emissions from the AC mains ports of class A equipment.

Applicable to AC mains power port		
Frequency Range (MHz)	Quasi-Peak [dB(μV)]	Average [dB(μV)]
0.15 to 0.5	79	66
0.5 to 30	73	60

Limits for conducted emissions from the AC mains ports of class B equipment.

Applicable to AC mains power port		
Frequency Range (MHz)	Quasi-Peak [dB(μV)]	Average [dB(μV)]
0.15 to 0.5	66 to 56*	56 to 46*
0.5 to 5	56	46
5 to 30	60	50
* Decreases with the logarithm of the frequency		

Used equipments:

Used	Equipment	Model no.	Makers	Serial no.	Next Cal.
☒	EMI Test Receiver	ESR3	R&S	102119	2021. 04. 16
☒	LISN(main)	ENV216	R&S	102194	2021. 04. 16
☒	LISN(sub)	ENV216	R&S	102193	2021. 04. 16
☒	HUMIDITY/TEMP. DATA RECORDER	MHT-381SD	LUTRON	AI.63101	2021. 03. 04

Test Software:

Used	Description	Model name	Manufacturer	Version.
☒	EMI Test Software	EMC32	R & S	10.01.02

Measurement Data:

- Refer to the Next page.



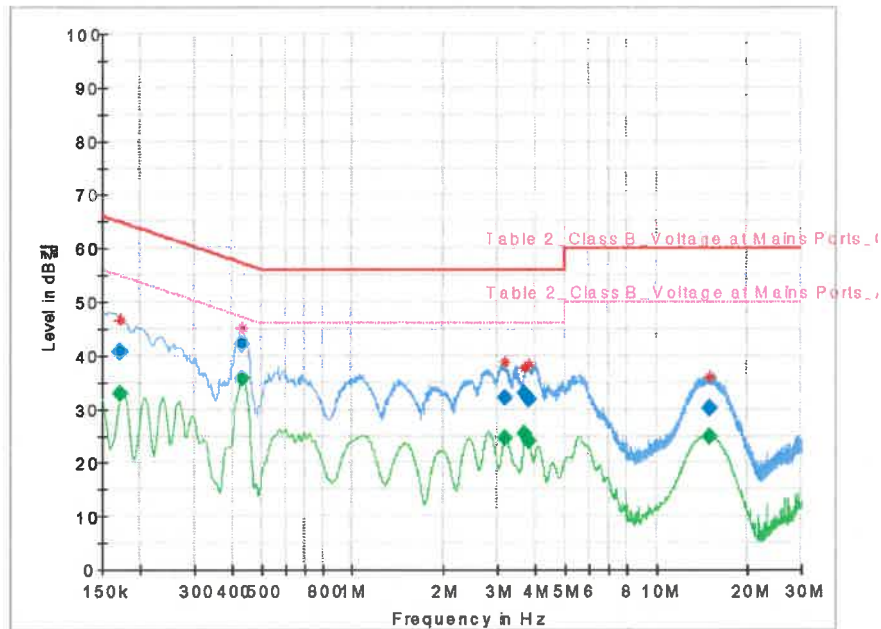


DATA(Mode 1)_LIVE

Test Report

Common Information

Test Description: AS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE1_LIVE



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.172500	---	33.09	64.84	21.74	5000.0	9.000	L1	ON	10.0
0.172500	40.85	---	64.84	23.99	5000.0	9.000	L1	ON	10.0
0.431250	---	35.75	47.23	11.48	5000.0	9.000	L1	ON	9.9
0.431250	42.05	---	67.23	15.18	5000.0	9.000	L1	ON	9.9
3.169500	---	24.45	46.00	21.55	5000.0	9.000	L1	ON	9.7
3.169500	32.06	---	56.00	23.94	5000.0	9.000	L1	ON	9.7
3.705000	---	25.44	46.00	20.57	5000.0	9.000	L1	ON	9.7
3.705000	32.91	---	56.00	23.09	5000.0	9.000	L1	ON	9.7
3.831000	---	24.04	46.00	21.96	5000.0	9.000	L1	ON	9.7
3.831000	31.96	---	56.00	24.04	5000.0	9.000	L1	ON	9.7
14.993250	---	24.98	50.00	25.02	5000.0	9.000	L1	ON	9.8
14.993250	30.14	---	60.00	29.86	5000.0	9.000	L1	ON	9.8



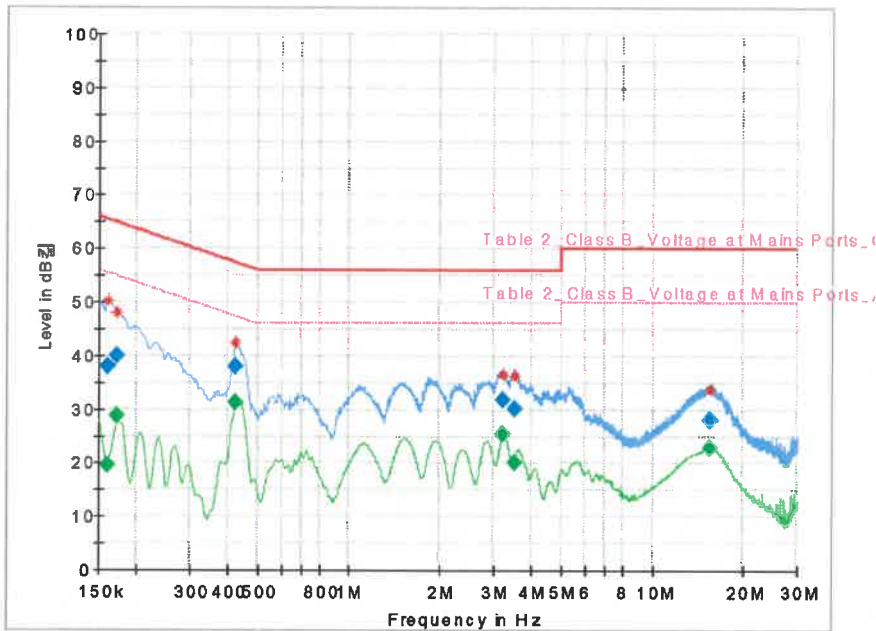


DATA(Mode 1)_ NEUTRAL

Test Report

Common Information

Test Description: AS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE1_NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161250	---	19.61	55.40	35.79	5000.0	9.000	N	ON	9.9
0.161250	38.04	---	65.40	27.36	5000.0	9.000	N	ON	9.9
0.172500	---	28.74	54.84	26.10	5000.0	9.000	N	ON	10.0
0.172500	39.81	---	64.84	25.03	5000.0	9.000	N	ON	10.0
0.424500	---	31.24	47.36	16.12	5000.0	9.000	N	ON	9.9
0.424500	38.03	---	57.36	19.33	5000.0	9.000	N	ON	9.9
3.214500	---	25.43	46.00	20.57	5000.0	9.000	N	ON	9.7
3.214500	31.82	---	56.00	24.18	5000.0	9.000	N	ON	9.7
3.513750	---	20.01	46.00	25.99	5000.0	9.000	N	ON	9.7
3.513750	30.10	---	56.00	25.90	5000.0	9.000	N	ON	9.7
15.438750	---	23.02	50.00	26.98	5000.0	9.000	N	ON	9.8
15.438750	28.34	---	60.00	31.66	5000.0	9.000	N	ON	9.8



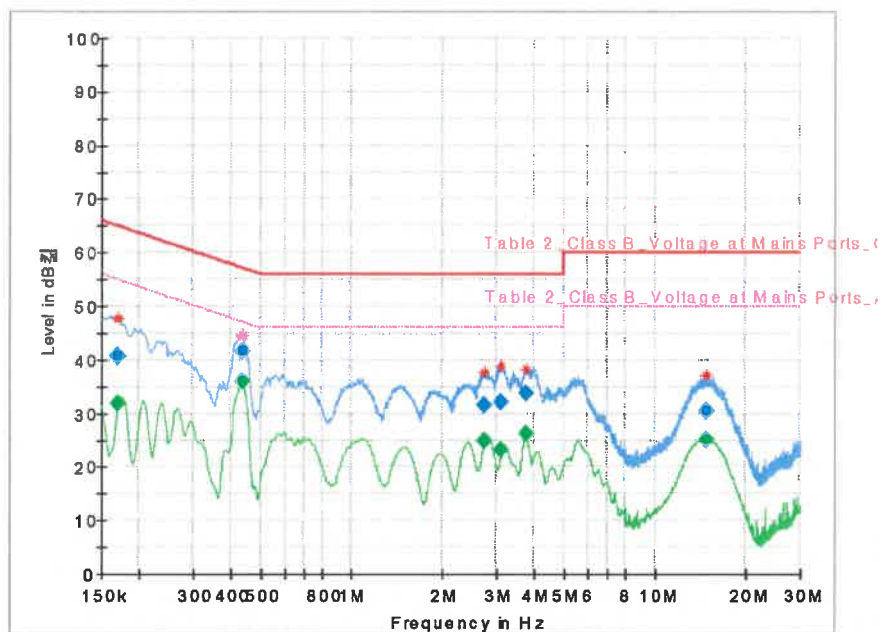


DATA(Mode 2)_LIVE

Test Report

Common Information

Test Description: AS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE2_LIVE



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.170250	---	31.95	54.95	23.00	5000.0	9.000	L1	ON	10.0
0.170260	40.71	---	54.95	24.24	5000.0	9.000	L1	ON	10.0
0.435750	---	35.97	47.14	11.17	5000.0	9.000	L1	ON	9.9
0.435760	41.53	---	57.14	15.61	5000.0	9.000	L1	ON	9.9
2.746500	---	24.98	46.00	21.02	5000.0	9.000	L1	ON	9.7
2.746500	31.68	---	56.00	24.32	5000.0	9.000	L1	ON	9.7
3.117750	---	23.18	46.00	22.82	5000.0	9.000	L1	ON	9.7
3.117760	32.17	---	56.00	23.83	5000.0	9.000	L1	ON	9.7
3.754500	---	26.22	46.00	19.78	5000.0	9.000	L1	ON	9.7
3.754500	33.86	---	56.00	22.14	5000.0	9.000	L1	ON	9.7
14.770500	---	25.26	50.00	24.74	5000.0	9.000	L1	ON	9.8
14.770500	30.33	---	60.00	29.67	5000.0	9.000	L1	ON	9.8



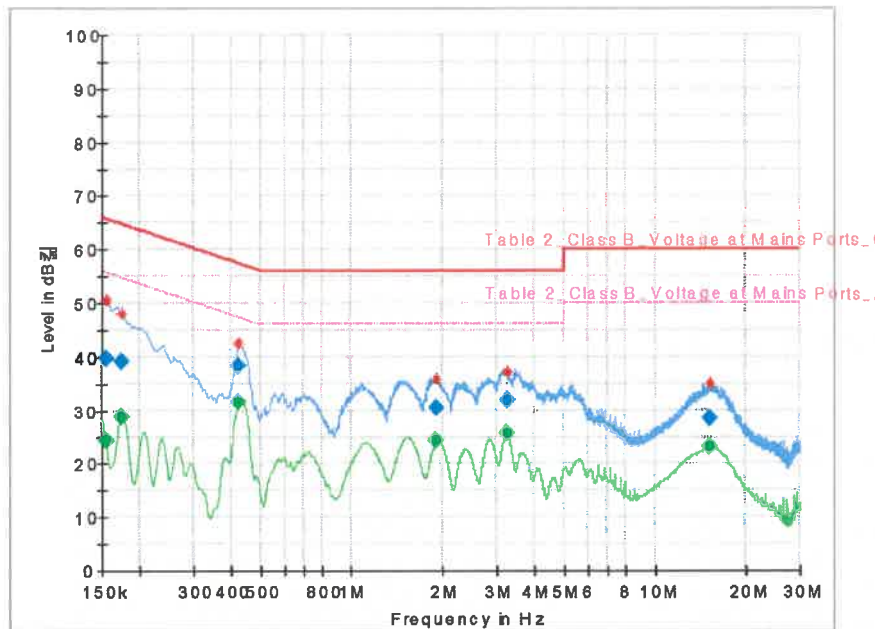


DATA(Mode 2)_ NEUTRAL

Test Report

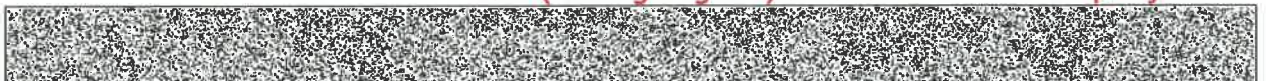
Common Information

Test Description: AS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE2_NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154500	---	24.26	55.75	31.50	5000.0	9.000	N	ON	9.8
0.154500	39.76	---	55.75	25.99	5000.0	9.000	N	ON	9.8
0.174750	---	28.89	54.73	25.85	5000.0	9.000	N	ON	9.9
0.174750	39.21	---	54.73	25.52	5000.0	9.000	N	ON	9.9
0.424500	---	31.51	47.36	15.85	5000.0	9.000	N	ON	9.9
0.424500	38.19	---	47.36	19.17	5000.0	9.000	N	ON	9.9
1.905000	---	24.29	46.00	21.71	5000.0	9.000	N	ON	9.7
1.905000	30.35	---	46.00	25.65	5000.0	9.000	N	ON	9.7
3.255000	---	25.63	46.00	20.37	5000.0	9.000	N	ON	9.7
3.255000	31.90	---	46.00	24.10	5000.0	9.000	N	ON	9.7
15.103500	---	23.11	50.00	26.89	5000.0	9.000	N	ON	9.8
15.103500	28.44	---	50.00	31.56	5000.0	9.000	N	ON	9.8



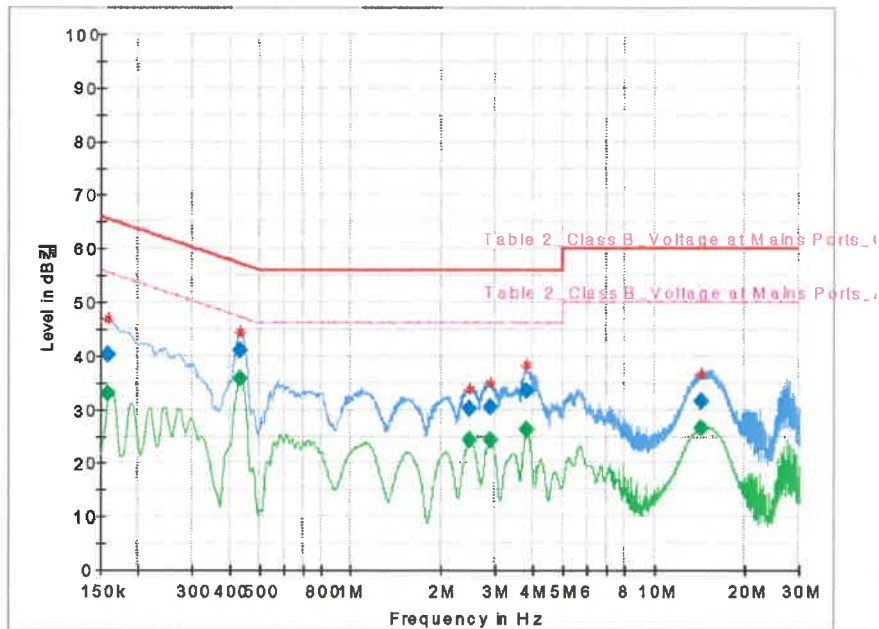


DATA(Mode 3)_LIVE

Test Report

Common Information

Test Description: PS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE3_LIVE



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.159000	---	32.88	55.52	22.64	5000.0	9.000	L1	ON	9.8
0.159000	40.29	---	55.52	25.23	5000.0	9.000	L1	ON	9.8
0.433500	---	35.64	47.19	11.55	5000.0	9.000	L1	ON	9.9
0.433500	41.19	---	47.19	16.00	5000.0	9.000	L1	ON	9.9
2.469750	---	24.24	46.00	21.76	5000.0	9.000	L1	ON	9.7
2.469750	30.20	---	46.00	25.80	5000.0	9.000	L1	ON	9.7
2.897250	---	24.21	46.00	21.79	5000.0	9.000	L1	ON	9.7
2.897250	30.49	---	46.00	25.51	5000.0	9.000	L1	ON	9.7
3.795000	---	26.12	46.00	19.88	5000.0	9.000	L1	ON	9.7
3.795000	33.47	---	46.00	22.53	5000.0	9.000	L1	ON	9.7
14.275500	---	26.63	50.00	23.37	5000.0	9.000	L1	ON	9.8
14.275500	31.64	---	50.00	28.36	5000.0	9.000	L1	ON	9.8



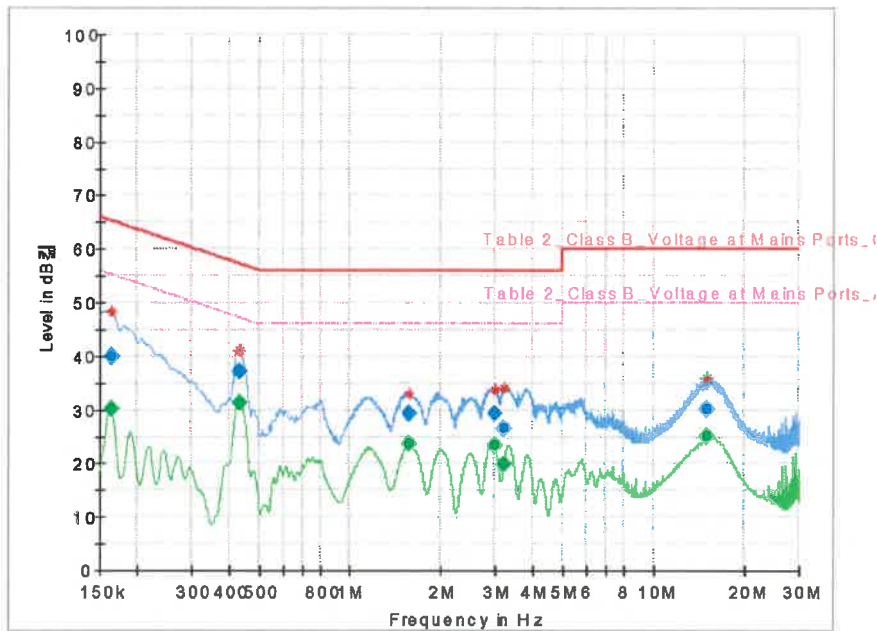


DATA(Mode 3)_ NEUTRAL

Test Report

Common Information

Test Description: PS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE3_NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.163500	---	30.06	55.28	25.23	5000.0	9.000	N	ON	9.9
0.163500	39.97	---	55.28	25.31	5000.0	9.000	N	ON	9.9
0.433500	---	31.41	47.19	15.77	5000.0	9.000	N	ON	9.9
0.433500	37.24	---	47.19	19.94	5000.0	9.000	N	ON	9.9
1.576500	---	23.69	46.00	22.31	5000.0	9.000	N	ON	9.7
1.576500	29.29	---	46.00	26.71	5000.0	9.000	N	ON	9.7
2.989500	---	23.56	46.00	22.44	5000.0	9.000	N	ON	9.7
2.989500	29.31	---	46.00	26.69	5000.0	9.000	N	ON	9.7
3.201000	---	19.79	46.00	26.21	5000.0	9.000	N	ON	9.7
3.201000	26.54	---	46.00	29.46	5000.0	9.000	N	ON	9.7
14.977500	---	25.07	50.00	24.93	5000.0	9.000	N	ON	9.8
14.977500	30.29	---	50.00	29.71	5000.0	9.000	N	ON	9.8



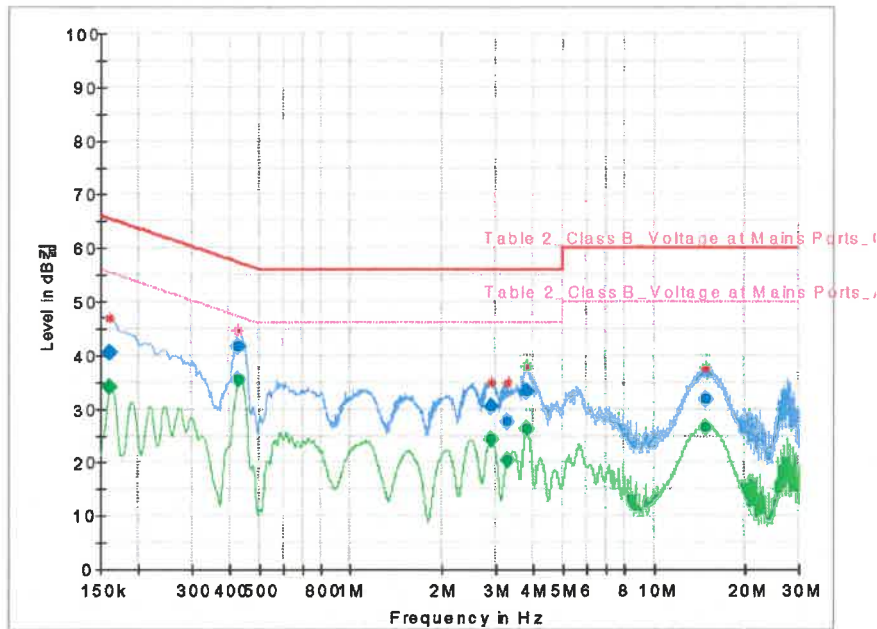


DATA(Mode 4)_LIVE

Test Report

Common Information

Test Description: PS X
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE4_LIVE



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161250	---	34.12	55.40	21.28	5000.0	9.000	L1	ON	9.9
0.161250	40.45	---	65.40	24.95	5000.0	9.000	L1	ON	9.9
0.426750	---	35.49	47.32	11.83	5000.0	9.000	L1	ON	9.9
0.426750	41.69	---	57.32	15.62	5000.0	9.000	L1	ON	9.9
2.908500	---	24.21	46.00	21.79	5000.0	9.000	L1	ON	9.7
2.908500	30.47	---	56.00	25.53	5000.0	9.000	L1	ON	9.7
3.273000	---	20.53	46.00	25.47	5000.0	9.000	L1	ON	9.7
3.273000	27.76	---	56.00	28.24	5000.0	9.000	L1	ON	9.7
3.822000	---	26.15	46.00	19.85	5000.0	9.000	L1	ON	9.7
3.822000	33.37	---	56.00	22.63	5000.0	9.000	L1	ON	9.7
14.795250	---	26.66	60.00	23.34	5000.0	9.000	L1	ON	9.8
14.795250	31.72	---	60.00	28.28	5000.0	9.000	L1	ON	9.8





DATA(Mode 4)_ NEUTRAL

Test Report

Common Information

Test Description:

PS X

Test Site

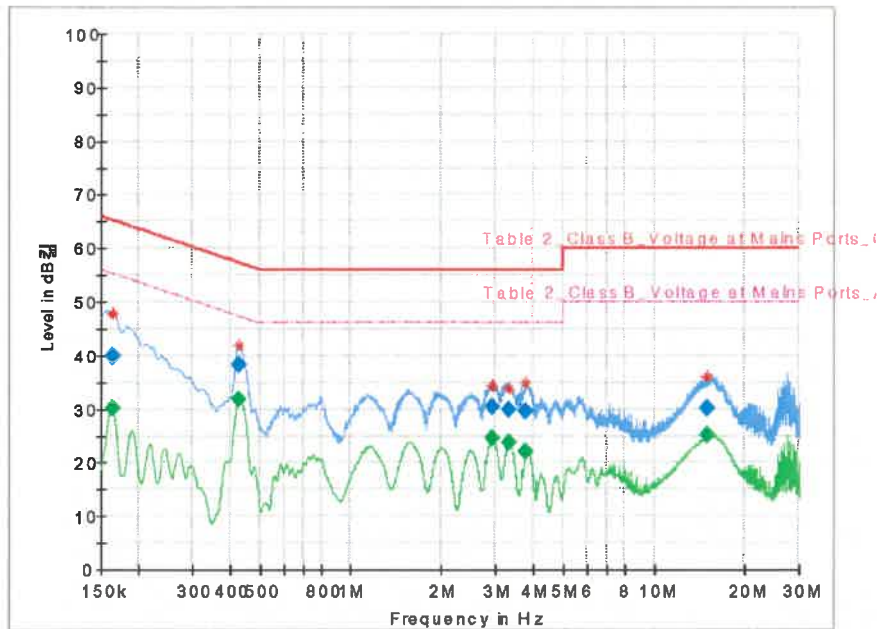
ICR Shield Room

Operator Name:

CHAN PARK

Comment:

MODE4_NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.163500	---	30.21	55.28	25.08	5000.0	9.000	N	ON	9.9
0.163500	39.85	---	66.28	26.43	5000.0	9.000	N	ON	9.9
0.426750	---	31.85	47.32	15.47	5000.0	9.000	N	ON	9.9
0.426750	38.41	---	57.32	18.91	5000.0	9.000	N	ON	9.9
2.926500	---	24.47	46.00	21.53	5000.0	9.000	N	ON	9.7
2.926500	30.34	---	56.00	25.66	5000.0	9.000	N	ON	9.7
3.338250	---	23.70	46.00	22.30	5000.0	9.000	N	ON	9.7
3.338250	29.79	---	56.00	26.21	5000.0	9.000	N	ON	9.7
3.788250	---	22.19	46.00	23.81	5000.0	9.000	N	ON	9.7
3.788250	29.73	---	56.00	26.27	5000.0	9.000	N	ON	9.7
14.991000	---	25.01	50.00	24.99	5000.0	9.000	N	ON	9.8
14.991000	30.20	---	60.00	29.80	5000.0	9.000	N	ON	9.8



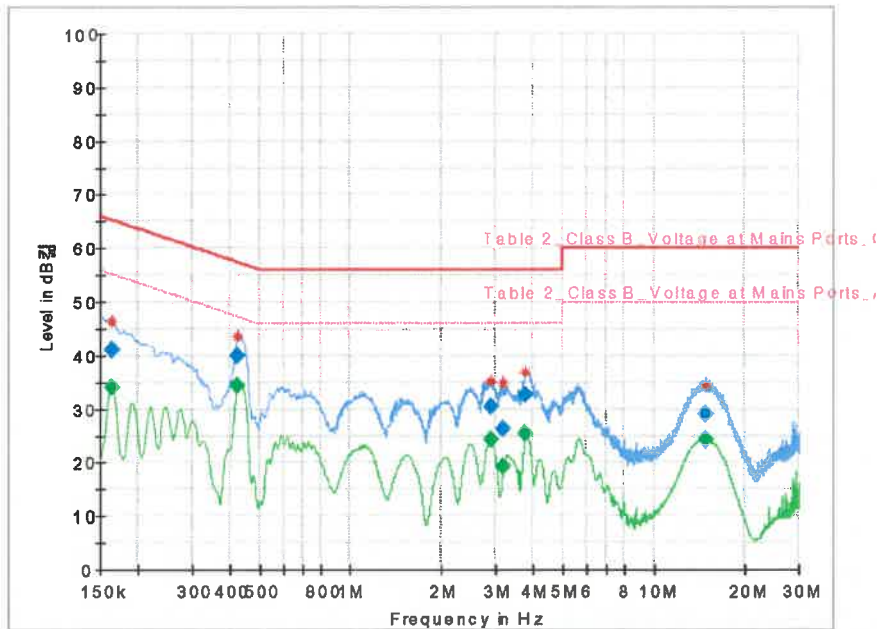


DATA(Mode 5)_LIVE

Test Report

Common Information

Test Description: PS X.M
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE5_LIVE



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.163500	---	34.16	55.28	21.13	5000.0	9.000	L1	ON	9.9
0.163500	40.99	---	55.28	24.30	5000.0	9.000	L1	ON	9.9
0.424500	---	34.35	47.36	13.01	5000.0	9.000	L1	ON	9.9
0.424500	40.01	---	57.36	17.35	5000.0	9.000	L1	ON	9.9
2.886000	---	24.34	46.00	21.66	5000.0	9.000	L1	ON	9.7
2.886000	30.56	---	56.00	25.44	5000.0	9.000	L1	ON	9.7
3.189750	---	19.28	46.00	26.72	5000.0	9.000	L1	ON	9.7
3.189750	26.39	---	56.00	29.61	5000.0	9.000	L1	ON	9.7
3.777000	---	25.48	46.00	20.52	5000.0	9.000	L1	ON	9.7
3.777000	32.60	---	56.00	23.40	5000.0	9.000	L1	ON	9.7
14.853750	---	24.23	50.00	25.77	5000.0	9.000	L1	ON	9.8
14.853750	29.11	---	60.00	30.89	5000.0	9.000	L1	ON	9.8



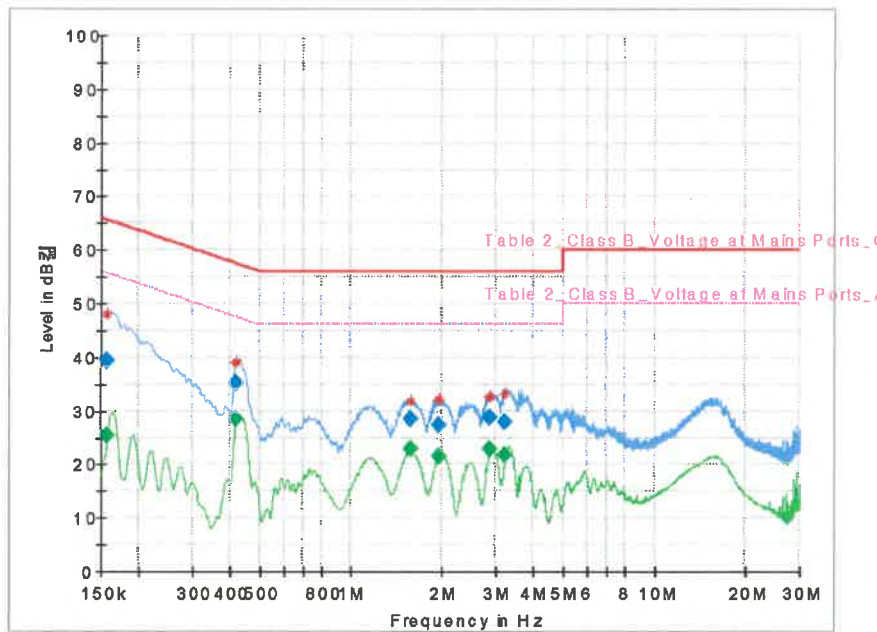


DATA(Mode 5)_ NEUTRAL

Test Report

Common Information

Test Description: PS X.M
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE5_NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.156750	---	25.35	55.63	30.29	5000.0	9.000	N	ON	9.8
0.156750	39.51	---	55.63	26.12	5000.0	9.000	N	ON	9.8
0.417750	---	28.44	47.49	19.05	5000.0	9.000	N	ON	9.9
0.417750	35.13	---	57.49	22.36	5000.0	9.000	N	ON	9.8
1.576500	---	22.82	46.00	23.18	5000.0	9.000	N	ON	9.7
1.576500	28.37	---	56.00	27.63	5000.0	9.000	N	ON	9.7
1.941000	---	21.55	46.00	24.45	5000.0	9.000	N	ON	9.7
1.941000	27.32	---	56.00	28.68	5000.0	9.000	N	ON	9.7
2.874750	---	22.80	46.00	23.20	5000.0	9.000	N	ON	9.7
2.874750	28.83	---	56.00	27.17	5000.0	9.000	N	ON	9.7
3.230250	---	21.71	46.00	24.29	5000.0	9.000	N	ON	9.7
3.230250	28.03	---	56.00	27.97	5000.0	9.000	N	ON	9.7



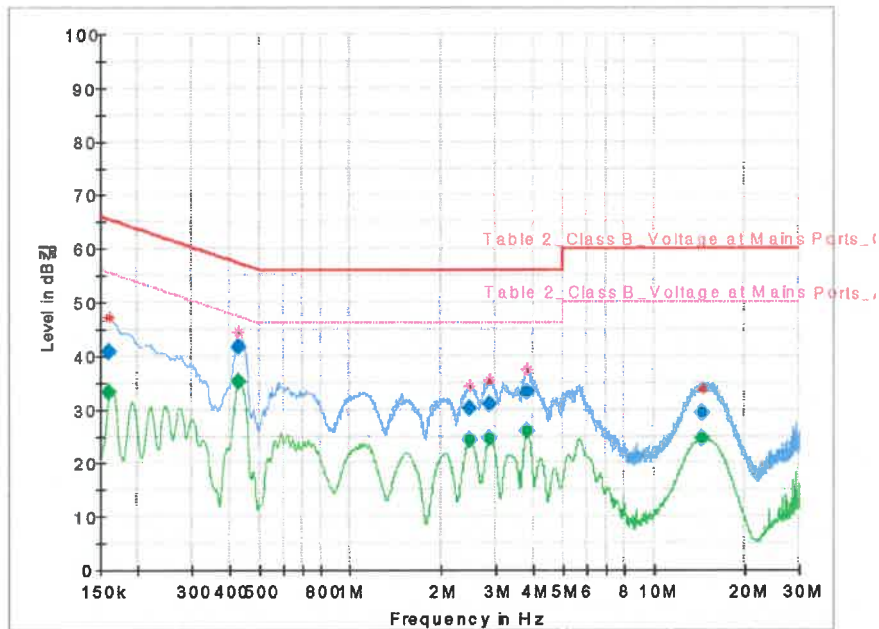


DATA(Mode 6)_LIVE

Test Report

Common Information

Test Description: PS X.M
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE6_LIVE



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161250	---	33.25	55.40	22.15	5000.0	9.000	L1	ON	9.9
0.161250	40.69	---	55.40	24.71	5000.0	9.000	L1	ON	9.9
0.429000	---	35.31	47.27	11.96	5000.0	9.000	L1	ON	9.9
0.429000	41.56	---	57.27	16.71	5000.0	9.000	L1	ON	9.9
2.469750	---	24.27	46.00	21.73	5000.0	9.000	L1	ON	9.7
2.469750	30.26	---	56.00	25.74	5000.0	9.000	L1	ON	9.7
2.883750	---	24.59	46.00	21.41	5000.0	9.000	L1	ON	9.7
2.883750	30.89	---	56.00	25.11	5000.0	9.000	L1	ON	9.7
3.799500	---	26.11	46.00	19.89	5000.0	9.000	L1	ON	9.7
3.799500	33.26	---	56.00	22.74	5000.0	9.000	L1	ON	9.7
14.397000	---	24.54	50.00	25.46	5000.0	9.000	L1	ON	9.8
14.397000	29.39	---	60.00	30.61	5000.0	9.000	L1	ON	9.8



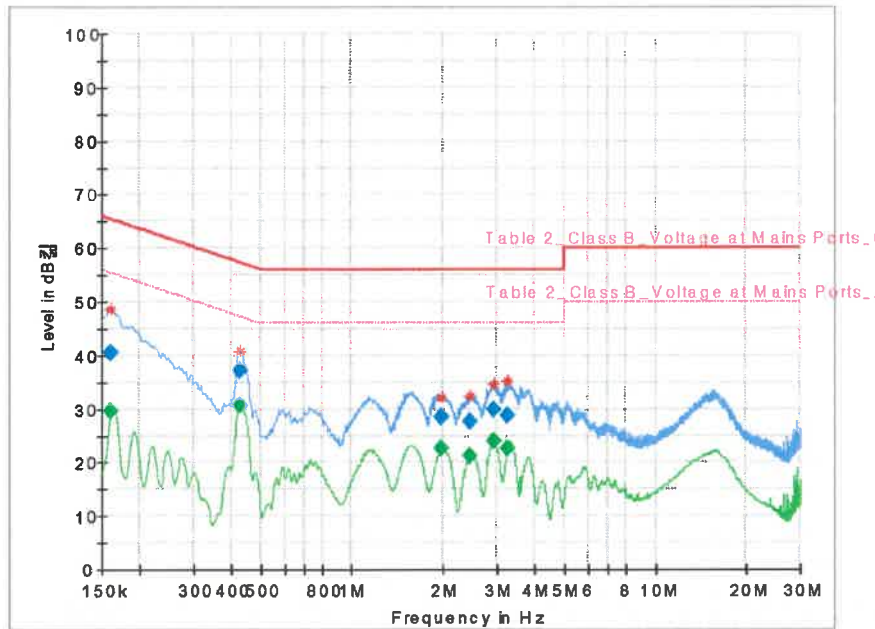


DATA(Mode 6)_ NEUTRAL

Test Report

Common Information

Test Description: PS X.M
Test Site: ICR Shield Room
Operator Name: CHAN PARK
Comment: MODE6_NEUTRAL



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161250	---	29.48	55.40	25.92	5000.0	9.000	N	ON	9.9
0.161250	40.47	---	65.40	24.92	5000.0	9.000	N	ON	9.9
0.426750	---	30.72	47.32	16.60	5000.0	9.000	N	ON	9.9
0.426750	37.17	---	57.32	20.15	5000.0	9.000	N	ON	9.9
1.972500	---	22.52	46.00	23.48	5000.0	9.000	N	ON	9.7
1.972500	28.40	---	56.00	27.60	5000.0	9.000	N	ON	9.7
2.438250	---	21.30	46.00	24.70	5000.0	9.000	N	ON	9.7
2.438250	27.70	---	56.00	28.30	5000.0	9.000	N	ON	9.7
2.940000	---	24.08	46.00	21.92	5000.0	9.000	N	ON	9.7
2.940000	29.87	---	56.00	26.13	5000.0	9.000	N	ON	9.7
3.243750	---	22.62	46.00	23.38	5000.0	9.000	N	ON	9.7
3.243750	28.90	---	56.00	27.10	5000.0	9.000	N	ON	9.7

- END -

