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FCC Radio Test Report FCC ID: QISHG532S

This report concerns (check one) : Original Grant Class II Change

Issued Date	: Apr. 17, 2012
Project No.	: 1202C219A
Equipment	: Home Gateway
Model Name	: HG532s
Applicant	: Huawei Technologies Co.,Ltd.
Address	: Administration Building, Huawei Base, Bantian, Longgang District , Shenzhen, China
Manufacture	: Huawei Technologies Co.,Ltd.
Address	: Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen 518129, P.R. China

Tested by: Neutron Engineering Inc. EMC Laboratory Date of Receipt: Mar. 28, 2012 Date of Test: Mar. 28, 2012 ~ Apr. 16, 2012

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Authorized Signatory

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Neutron Engineering Inc.

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Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.



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1. CERTIFICATION

Equipment:	Home Gateway
Brand Name :	HUAWEI
Model Name :	HG532s
Applicant:	Huawei Technologies Co.,Ltd.
Factory:	Huawei Technologies Co.,Ltd.
Address:	Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen 518129, P.R. China
Date of Test:	Mar. 28, 2012 ~ Apr. 16, 2012
Test Item:	ENGINEERING SAMPLE
Standards:	FCC Part15, Subpart C(15.247) / ANSI C63.4 : 2003

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1202C219A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

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2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.209/15.205	Radiated Spurious Emission	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-CB03/DG-C01** at the location of No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792 Neutron's test firm number is 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The reported uncertainty of measurement y \pm U , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2 , providing a level of confidence of approximately 95 %.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
DG-C01	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (dB)	NOTE
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	Н	3.60	
DG-CB03	CISPR	200MHz ~ 1,000MHz	V	3.86	
DG-CB03	CIOFK	200MHz ~ 1,000MHz	Н	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	Н	3.68	

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Home Gateway		
Brand Name	HUAWEI		
Model Name	HG532s		
OEM Brand/Model Name	N/A		
Model Difference	Differences are transform	for 2 samples (B1/C1). 2 samples ners and flash (C1 is 8M; B1 is 4M).	
	The EUT is a Home Gate		
	Operation Frequency:	2412~2462 MHz	
	Modulation Technology:	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM	
	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps Draft 802.11n:up to 300Mbps	
Product Description	Number of Channel:	11 CH, Please see Note 2. (please see page 9)	
	Antenna Designation:	Please see Note 3.	
	Antenna Gain(Peak):	(please see page 9)	
	Output Power:	802.11b: 17.26dBm 802.11g: 22.18dBm 802.11n(20MHz): 22.10dBm 802.11n(40MHz): 23.04 dBm	
	in User's Manual, the EU ITE/Computing Device. M specification, please refe	More details of EUT technical er to the User's Manual.	
Power Source	DC Voltage supplied from AC/DC adapter 1# Brand / Model : HUAWEI; HW-120100U6W S/N: HWUEAAB625XXXX 2# Brand / Model : HUAWEI; HW-120100U6W S/N: HWXQAAC22000012		
Power Rating	1# I/P 100-240V~ 50/60Hz, 0.5A O/P 12.0V, 1.0A 2# I/P 100-240V~ 50/60Hz, 0.5A O/P 12.0V, 1.0A		
Connecting I/O Port(s)	Please refer to the User's	s Manual	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

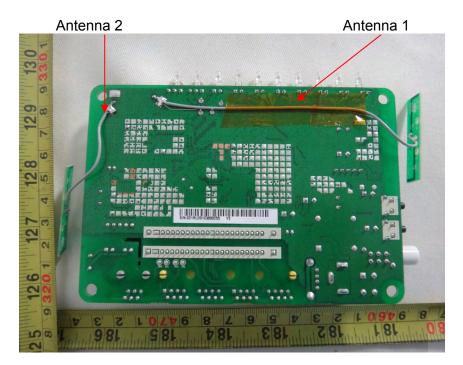
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2. CH 01 – CH 11 for 802.11b, 802.11g, 802.11n(20MHz) CH 03 – CH 09 for 802.11n(40MHz)

	Channel List						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Integral	N/A	3.2
2	N/A	N/A	Integral	N/A	3.2



4. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R).

Operating Mode TX Mode	1TX	2TX
802.11b	V (ANT1 or ANT2)	-
802.11g	V (ANT1 or ANT2)	-
802.11n(20MHz)	V (ANT1 or ANT2)	-
802.11n(40MHz)	-	V (ANT1 & ANT2)



3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09
Mode 5	TX Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as Following:

For Conducted Test					
Final Test Mode Description					
Mode 5	TX Mode				

For Radiated Test					
Final Test Mode	Description				
Mode 1	TX B MODE CHANNEL 01/06/11				
Mode 2	TX G MODE CHANNEL 01/06/11				
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11				
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09				

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

(2) During the output power test, all data rates have been investigated and the highest output powers were recorded are as follows:

802.11b mode: DBPSK (1Mbps) 802.11g mode: OFDM (6Mbps) 802.11n HT20 mode : BPSK (6.5Mbps) 802.11n HT40 mode : BPSK (13.5Mbps) For radiated emission tests, the highest output powers were set for final test.

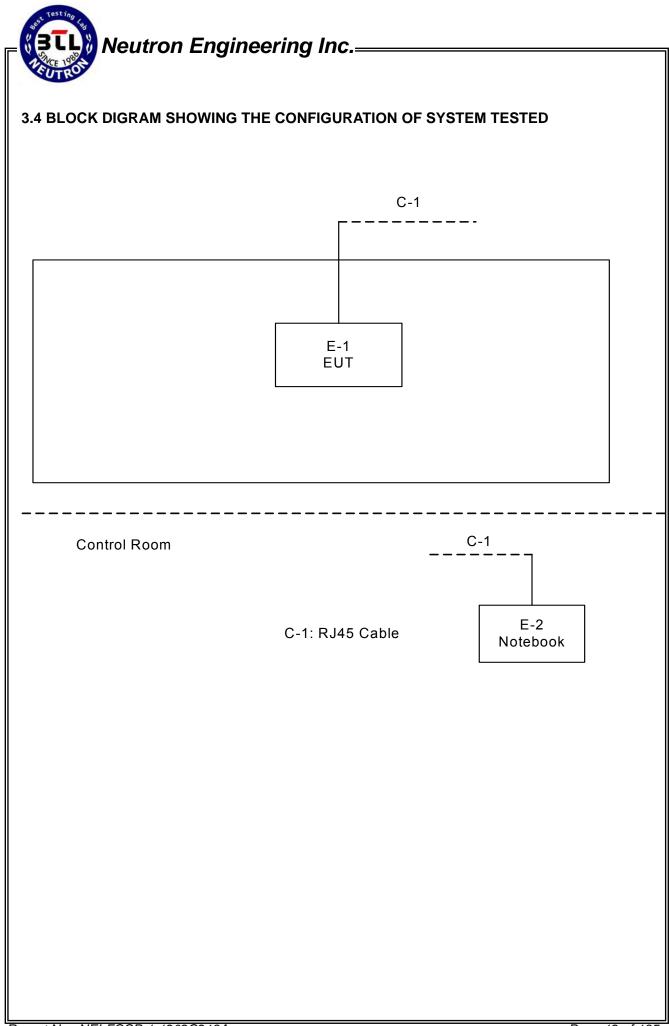


3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN

Test software Version	Test Program: N/A				
Frequency	2412 MHz	2437 MHz	2462 MHz		
IEEE 802.11b DSSS	18	19	20		
IEEE 802.11g OFDM	17	18	19		

Test software Version	Test Program: N/A				
Frequency (MHz)	2412 MHz	2437 MHz	2462 MHz		
IEEE 802.11n (20MHz)	18	19	20		
Frequency (MHz)	2422 MHz	2437 MHz	2452 MHz		
IEEE 802.11n (40MHz)	8(ANT1)	8(ANT1)	8(ANT1)		
	8(ANT2)	8(ANT2)	8(ANT2)		





3.5 DESCRIPTION OF SUPPORT UNITS (RADIATED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Home Gateway	HUAWEI	HG532s	QISHG532S	N/A	EUT
E-2	NOTEBOOK	DELL	INSPIRON 1420	DOC	JX193A01SDC2	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10M	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in $\[\]$ Length $\[\]$ column.



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A	(dBuV)	Class B	Standard	
FREQUENCT (MILZ)	Quasi-peak	Average	Quasi-peak	Average	Stanuaru
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2SH	00052766	May.26.2012
2	LISN	R&S	ENV216	100526	May.26.2012
3	Test Cable	N/A	RG400 12m	N/A	Mar.18.2013
4	EMI TEST RECEIVER	R&S	ESCI	100895	May.26.2012
5	50Ω Terminator	SHX	TF2-3G-A	08122901	May.26.2012

Remark: " N/A" denotes No Model Name. , Serial No. or No Calibration specified.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

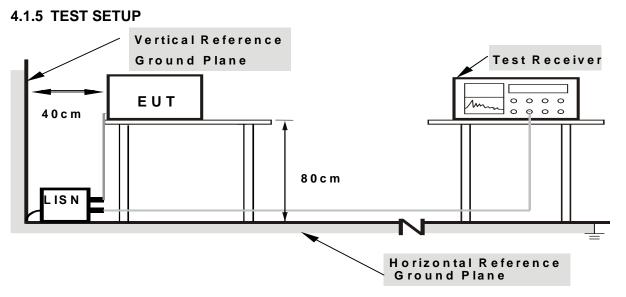


4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

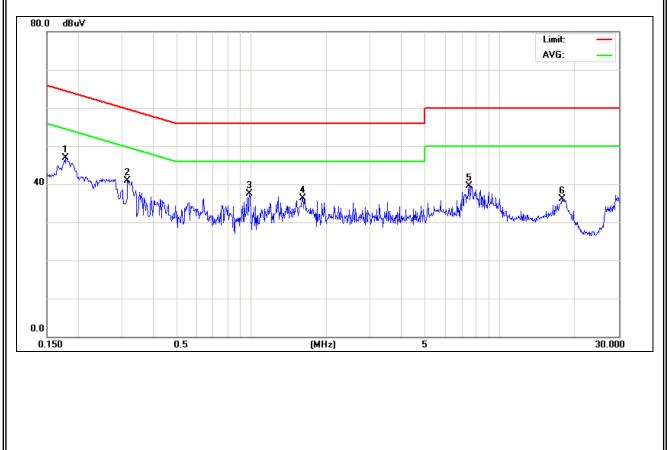
The EUT was programmed to be in continuously transmitting mode.

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4.1.7 TEST RESULTS

EUT :		Home Gateway			Model Nam	e :	HG5	32s	
Temperati	ure :	25	°C		Relative Hu	Relative Humidity : 50%			
Pressure :		101	0hPa		Test Power	:	AC 1	120V/60Hz	
Test Mode : TX Mode – Adapter (S/N: HWUEAAB625XXXXX)									
Freq.	Termir	nal	Measure	d(dBuV)	Limits(Limits(dBuV)		Margin	Note
(MHz)	L/N		QP-Mode	AV-Mode	QP-Mode	AV-Mo	ode	le (dB)	
0.18	Line		46.87	*	64.56	54.5	6	-17.69	(QP)
0.32	Line		40.86	*	59.76	49.7	6	-18.90	(QP)
0.98	Line		37.52	*	56.00	46.0	0	-18.48	(QP)
1.60	Line		36.38	*	56.00	46.0	0	-19.62	(QP)
7.50	Line		39.48	*	60.00	50.0	0	-20.52	(QP)
17.69	Line		36.14	*	60.00	50.0	0	-23.86	(QP)

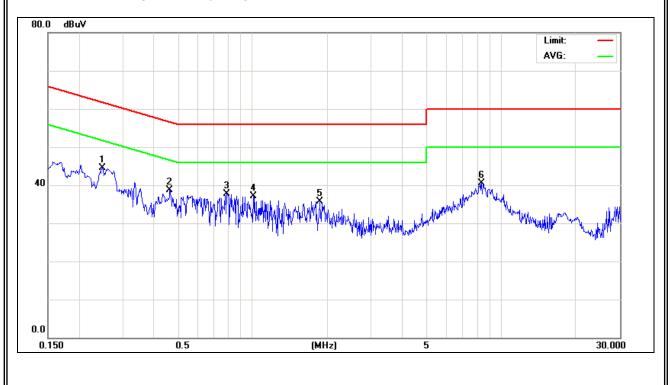
- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.





EUT :		Home Gateway			Model Nam	e :	HG5	32s	
Temperate	ure :	25	°C		Relative Hu	Relative Humidity : 50%			
Pressure :		101	0hPa		Test Power	:	AC 1	120V/60Hz	
Test Mode : TX Mode – Adapter (S/N: HWUEAAB625XXXXX)									
Freq.	Termir	nal	Measure	Limits	Limits(dBuV)		Margin	Note	
(MHz)	L/N		QP-Mode	AV-Mode	QP-Mode	AV-Mo	ode	(dB)	
0.25	Neutra	al	44.44	*	61.82	51.8	2	-17.38	(QP)
0.47	Neutra	al	38.76	*	56.58	46.5	8	-17.82	(QP)
0.79	Neutra	al	37.69	*	56.00	46.0	0	-18.31	(QP)
1.01	Neutra	al	37.14	*	56.00	46.0	0	-18.86	(QP)
1.87	Neutra	al 35.80		*	56.00	46.0	0	-20.20	(QP)
8.35	Neutra	al	40.49	*	60.00	50.0	0	-19.51	(QP)

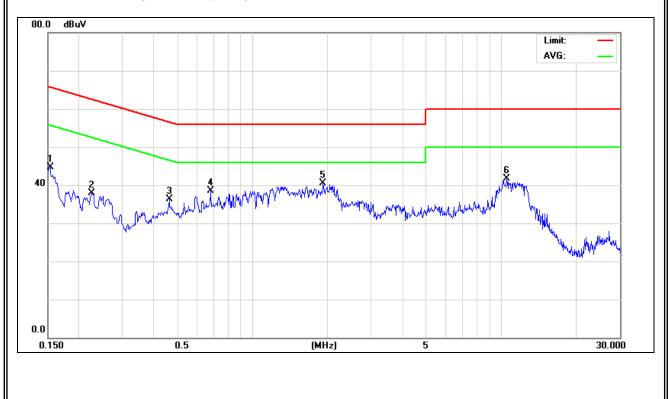
- (1) All readings are QP Mode value unless otherwise stated AVG in column of "Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.





EUT :		Home Gateway			Model Nam	Model Name : HG53		32s	
Temperate	ure :	25	°C		Relative Hu	Relative Humidity : 50%			
Pressure :	:	101	0hPa		Test Power	:	AC 1	120V/60Hz	
Test Mode : TX Mode – Adapter (S/N: HWXQAAC22000012)									
Freq.	Termin	nal	Measure	d(dBuV)	Limits	(dBuV)		Margin	Note
(MHz)	L/N		QP-Mode	AV-Mode	QP-Mode	AV-Mo	ode	(dB)	NOLE
0.15	Line		44.68	*	65.82	55.8	2	-21.14	(QP)
0.23	Line		37.83	*	62.60	52.6	0	-24.77	(QP)
0.46	Line		36.26	*	56.66	46.6	6	-20.40	(QP)
0.68	Line		38.44	*	56.00	46.0	0	-17.56	(QP)
1.92	Line		40.56	*	56.00	46.0	0	-15.44	(QP)
10.53	Line		41.78	*	60.00	50.0	0	-18.22	(QP)

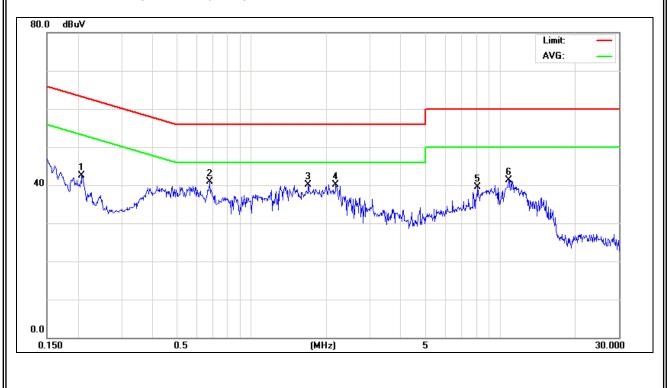
- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.





EUT :		Hor	me Gateway	Model Nam	Model Name : HG532		532s		
Temperate	ure :	25	°C		Relative Hu	Relative Humidity : 50%			
Pressure :	:	101	0hPa		Test Power	:	AC 1	120V/60Hz	
Test Mode	e :	ТΧ	Mode – Adap	ter (S/N: HW	XQAAC2200	0012)			
Freq.	Termin	nal	Measure	d(dBuV)	Limits	(dBuV)		Margin	Note
(MHz)	L/N		QP-Mode	AV-Mode	QP-Mode	AV-Mo	ode	(dB)	NOLE
0.20	Neutra	al	42.56	*	63.32	53.3	2	-20.76	(QP)
0.68	Neutra	al	40.90	*	56.00	46.0	0	-15.10	(QP)
1.70	Neutra	al	40.16	*	56.00	46.0	0	-15.84	(QP)
2.19	Neutra	al	40.09	*	56.00	46.0	0	-15.91	(QP)
8.14	Neutra	al	39.46	*	60.00	50.0	0	-20.54	(QP)
10.85	Neutra	al	41.34	*	60.00	50.0	0	-18.66	(QP)

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

	(dBuV/m) (at 3m)		
PEAK	AVERAGE		
74	54		

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

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

4.2.2 MEASUREMENT INSTRUMENTS LIST ANS SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Jun .04.2012
2	Amplifier	HP	8447D	2944A09673	May.26.2012
3	Test Receiver	R&S	ESCI	100382	May.26.2012
					5
4	Test Cable	N/A	C-01_CB03	N/A	Jul.01.2012
5	Antenna	ETS	3115	00075789	May.26.2012
6	Amplifier	Agilent	8449B	3008A02274	May.26.2012
7	Spectrum	Agilent	E4408B	US39240143	Nov.25.2012
8	Test Cable	HUBER+SUHNER	C-45	N/A	May.04.2012
9	Controller	СТ	SC100	N/A	N/A
10	Active Loop Antenna	R&S	HFH2-Z2	830749/020	May.26.2012
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Oct.13.2012

Remark: " N/A" denotes No Model Name / Serial No. and No Calibration specified.

Spectrum Parameter	Setting		
Attenuation	Auto		
Start Frequency	1000 MHz		
Stop Frequency	10th carrier harmonic		
RB / VB	1ML = / 1ML = for Dools 1 ML = / 10L = for Average		
(Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average		

Receiver Parameter	Setting		
Attenuation	Auto		
Start ~ Stop Frequency	9kHz~90kHz for PK/AVG detector		
Start ~ Stop Frequency	90kHz~110kHz for QP detector		
Start ~ Stop Frequency	110kHz~490kHz for PK/AVG detector		
Start ~ Stop Frequency	490kHz~30MHz for QP detector		
Start ~ Stop Frequency	30MHz~1000MHz for QP detector		



4.2.3 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

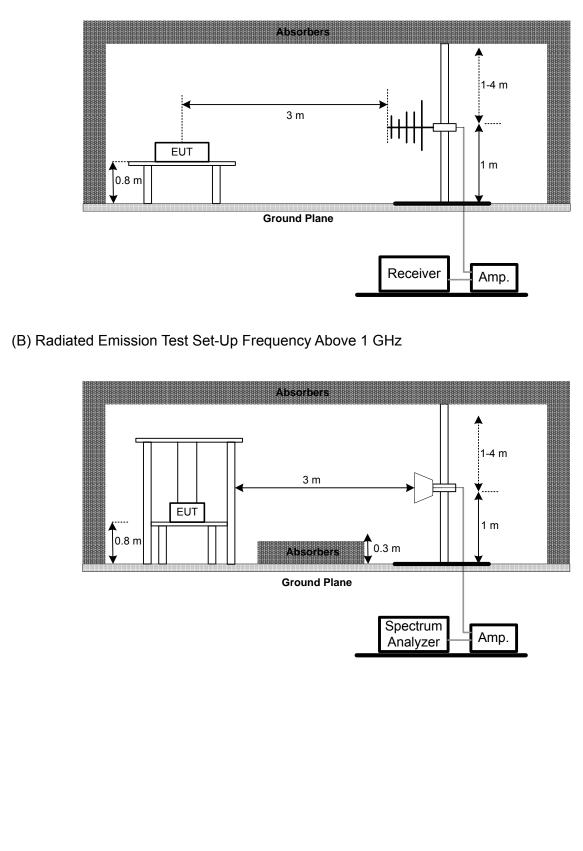
4.2.4 DEVIATION FROM TEST STANDARD

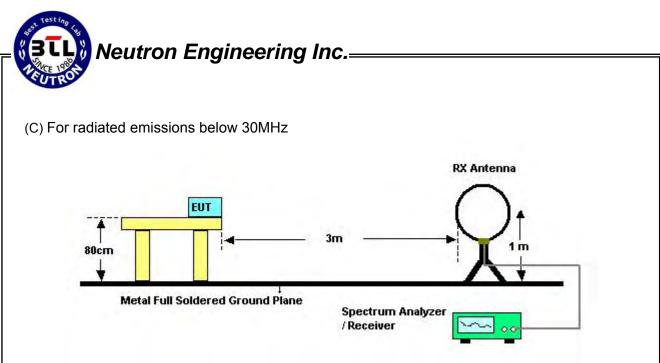
No deviation

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4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz





4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

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4.2.7 TEST RESULTS (BELOW 30MHZ)

EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX Mode		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits	Margin	Note
(MHz)	0°/90°	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
0.009	0°	28.46	24.30	52.76	128.42	-75.66	AVG
0.009	0°	31.08	24.30	55.38	148.33	-92.95	PK
0.025	0°	23.14	24.01	47.15	119.79	-72.64	AVG
0.025	0°	24.28	24.01	48.29	139.91	-91.62	PK
0.035	0°	19.08	23.32	42.40	116.61	-74.21	AVG
0.035	0°	20.43	23.32	43.75	136.57	-92.82	PK
0.063	0°	18.17	22.14	40.31	111.59	-71.28	AVG
0.063	0°	22.42	22.14	44.56	131.51	-86.95	PK
0.243	0°	22.61	20.41	43.02	99.86	-56.84	AVG
0.243	0°	22.61	20.41	43.02	119.88	-76.86	PK
1.267	0°	25.68	19.57	45.25	65.55	-20.30	QP

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits	Margin	Note
(MHz)	0°/90°	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
0.010	90°	15.72	24.30	40.02	127.89	-87.87	AVG
0.010	90°	20.18	24.30	44.48	147.88	-103.40	PK
0.025	90°	11.08	23.97	35.05	119.59	-84.54	AVG
0.025	90°	14.92	23.97	38.89	139.70	-100.81	PK
0.035	90°	19.06	23.32	42.38	116.61	-74.23	AVG
0.035	90°	23.72	23.32	47.04	136.50	-89.46	PK
0.063	90°	21.07	22.13	43.20	111.57	-68.37	AVG
0.063	90°	8.00	22.13	30.13	131.57	-101.44	PK
0.247	90°	20.17	20.41	40.58	99.77	-59.19	AVG
0.247	90°	23.17	20.41	43.58	119.76	-76.18	PK
1.261	90°	22.14	19.57	41.71	65.59	-23.88	QP

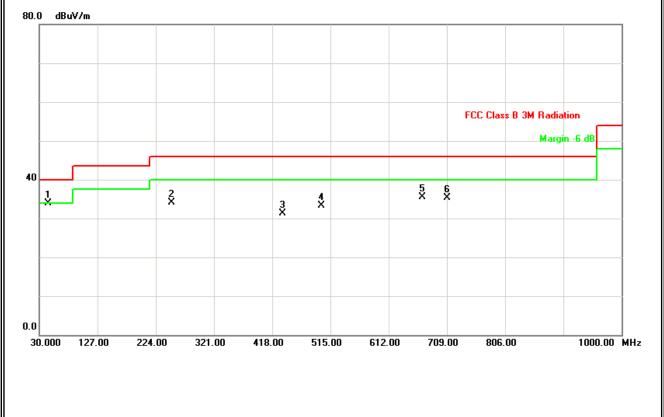
- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported $_{\circ}$
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB); •
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor. \circ

4.2.8 TEST RESULTS (BETWEEN 30 - 1000 MHZ)

EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 01		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
44.55	V	50.87	-16.99	33.88	40.00	- 6.12	
250.68	V	48.62	-14.51	34.11	46.00	- 11.89	
434.98	V	39.69	-8.39	31.30	46.00	- 14.70	
500.45	V	40.64	-7.34	33.30	46.00	- 12.70	
667.78	V	38.74	-3.28	35.46	46.00	- 10.54	
709.00	V	38.44	-3.07	35.37	46.00	- 10.63	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.



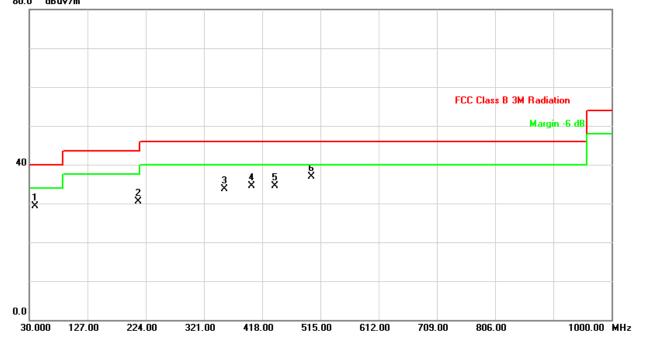


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 01		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Niete
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
39.70	Н	46.14	-16.83	29.31	40.00	- 10.69	
211.88	Н	46.72	-16.22	30.50	43.50	- 13.00	
354.95	Н	44.37	-10.66	33.71	46.00	- 12.29	
401.03	Н	43.47	-9.01	34.46	46.00	- 11.54	
439.83	Н	42.86	-8.30	34.56	46.00	- 11.44	
500.45	Н	44.31	-7.34	36.97	46.00	- 9.03	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

80.0 dBuV/m



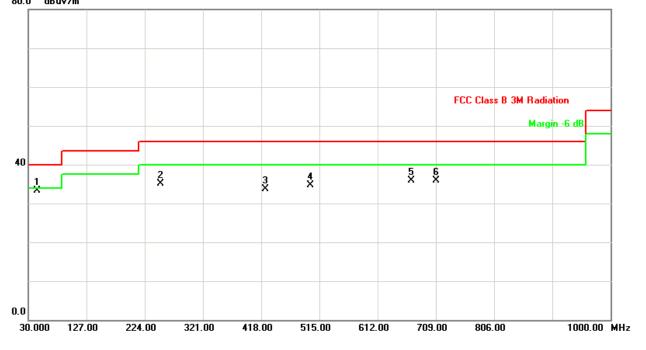


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 06	·	

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
44.55	V	50.37	-16.99	33.38	40.00	- 6.62	
250.68	V	49.62	-14.51	35.11	46.00	- 10.89	
425.28	V	42.37	-8.57	33.80	46.00	- 12.20	
500.45	V	42.14	-7.34	34.80	46.00	- 11.20	
667.78	V	39.24	-3.28	35.96	46.00	- 10.04	
709.00	V	38.94	-3.07	35.87	46.00	- 10.13	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.





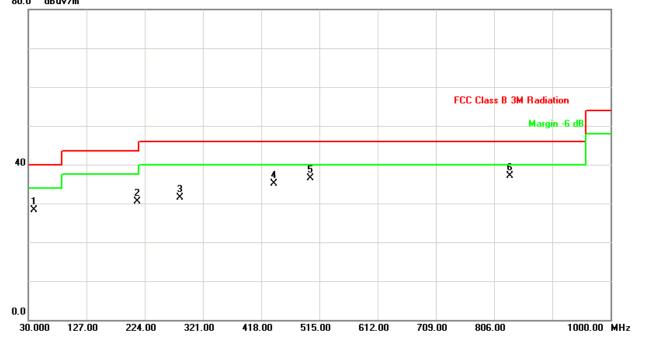


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 06	·	

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Niete
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
39.70	Н	45.14	-16.83	28.31	40.00	- 11.69	
211.88	Н	46.72	-16.22	30.50	43.50	- 13.00	
282.20	Н	43.94	-12.52	31.42	46.00	- 14.58	
439.83	Н	43.36	-8.30	35.06	46.00	- 10.94	
500.45	Н	43.81	-7.34	36.47	46.00	- 9.53	
832.68	Н	38.23	-1.22	37.01	46.00	- 8.99	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

80.0 dBuV/m



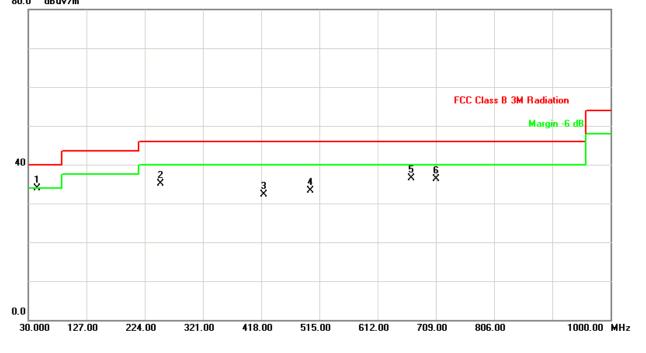


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 11		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
44.55	V	50.87	-16.99	33.88	40.00	- 6.12	
250.68	V	49.62	-14.51	35.11	46.00	- 10.89	
422.85	V	40.94	-8.61	32.33	46.00	- 13.67	
500.45	V	40.64	-7.34	33.30	46.00	- 12.70	
667.78	V	39.74	-3.28	36.46	46.00	- 9.54	
709.00	V	39.44	-3.07	36.37	46.00	- 9.63	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.





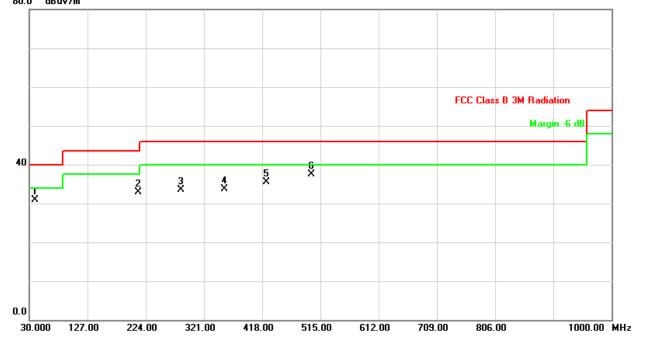
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EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 °C	Relative Humidity :	55 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 11		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
39.70	Н	47.64	-16.83	30.81	40.00	- 9.19	
211.88	Н	49.22	-16.22	33.00	43.50	- 10.50	
282.20	Н	45.94	-12.52	33.42	46.00	- 12.58	
354.95	Н	44.37	-10.66	33.71	46.00	- 12.29	
425.28	Н	44.11	-8.57	35.54	46.00	- 10.46	
500.45	Н	44.81	-7.34	37.47	46.00	- 8.53	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

80.0 dBuV/m



4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE 2412MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2376.00	V	24.17	13.64	31.93	56.10	45.57	74.00	54.00	X/E
2390.00	V	21.18	11.43	31.91	53.09	43.34	74.00	54.00	X/E
2413.00	V	71.05	66.90	31.88	102.93	98.78			X/F
2349.40	V	57.08	47.70	-1.43	55.65	46.27	74.00	54.00	X/H
4824.12	V	52.60	40.12	5.29	57.89	45.41	74.00	54.00	X/H

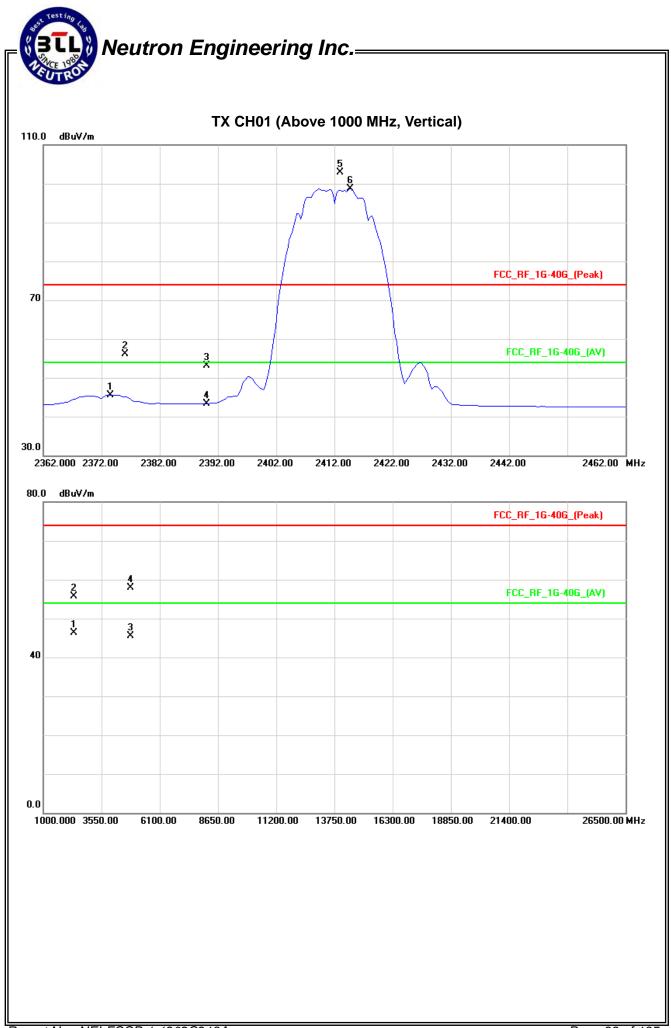
Remark :

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis:

"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna





EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE 2412MHz		

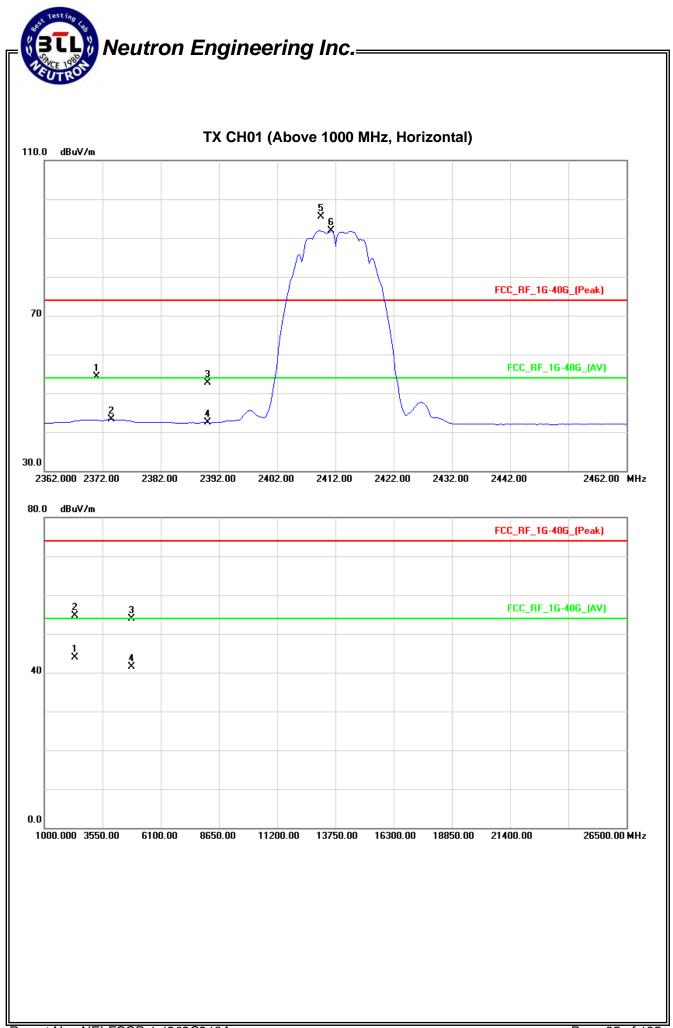
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2371.00	Н	22.42	11.28	31.94	54.36	43.22	74.00	54.00	X/E
2390.00	Н	20.89	10.50	31.91	52.80	42.41	74.00	54.00	X/E
2409.50	Н	63.64	60.01	31.89	95.53	91.9			X/F
2340.33	Н	56.13	45.22	-1.41	54.72	43.81	74.00	54.00	X/H
4823.86	Н	48.66	36.28	5.29	53.95	41.57	74.00	54.00	X/H

- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis:

"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

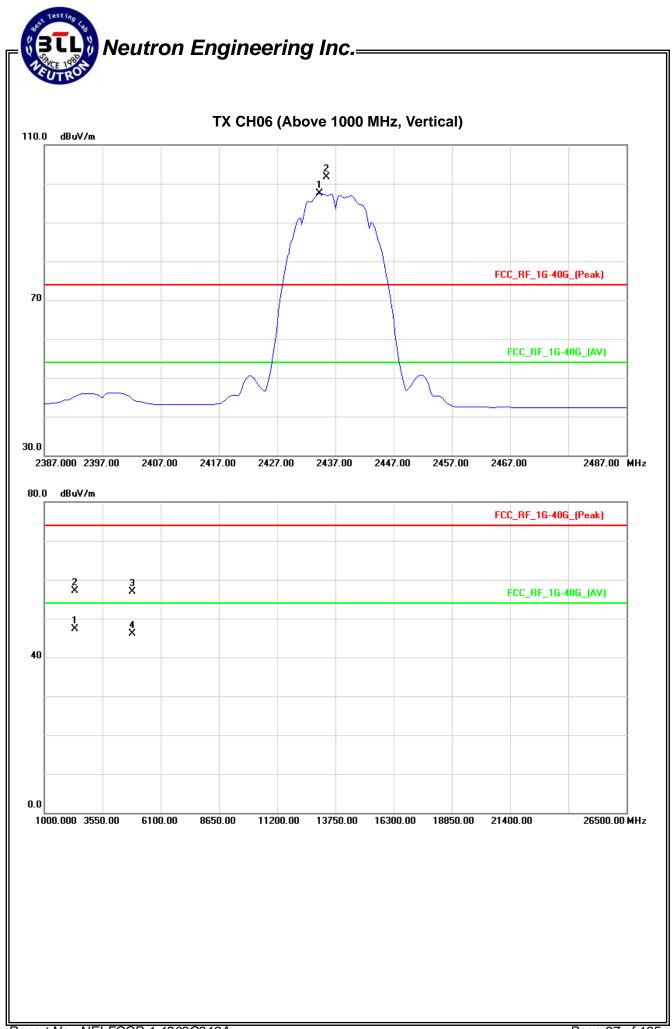


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EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE 2437MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2435.50) V	69.75	65.71	31.86	101.61	97.57			X/F
2359.27	' V	58.52	48.70	-1.44	57.08	47.26	74.00	54.00	X/H
4874.02	2 V	51.49	40.71	5.47	56.96	46.18	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

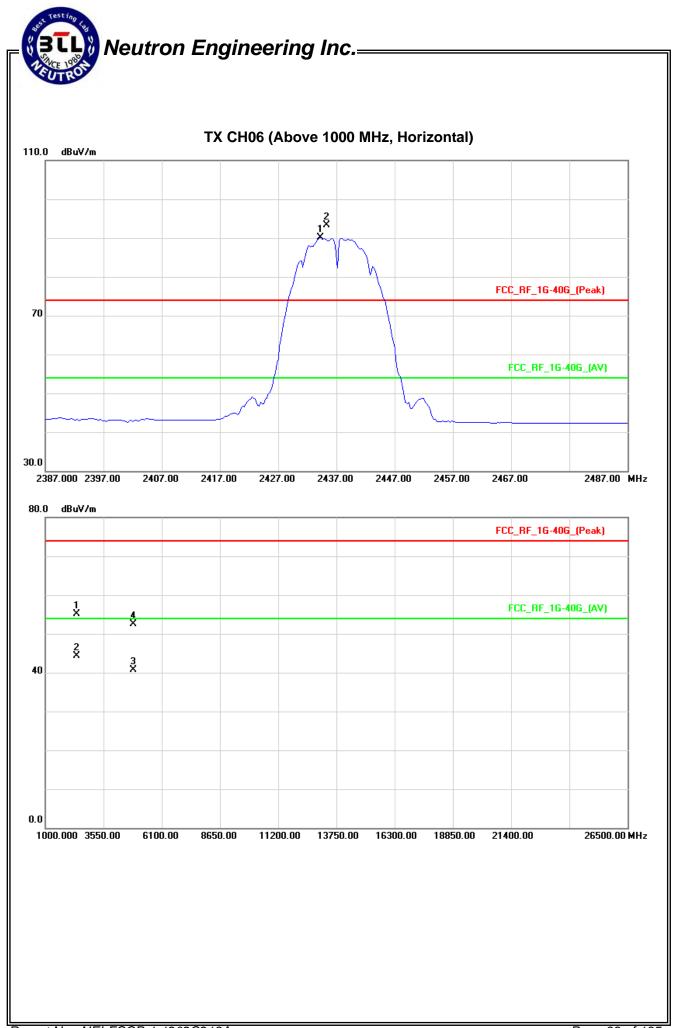




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE 2437MHz		

ſ	Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit		
	rieq.		Peak	AV		Peak	AV	Peak	AV	Note	
	(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
	2435.27	Н	61.50	58.21	31.86	93.36	90.07			X/F	
	2373.60	Н	56.64	45.72	-1.46	55.18	44.26	74.00	54.00	X/H	
ſ	4874.11	Н	46.96	35.25	5.47	52.43	40.72	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

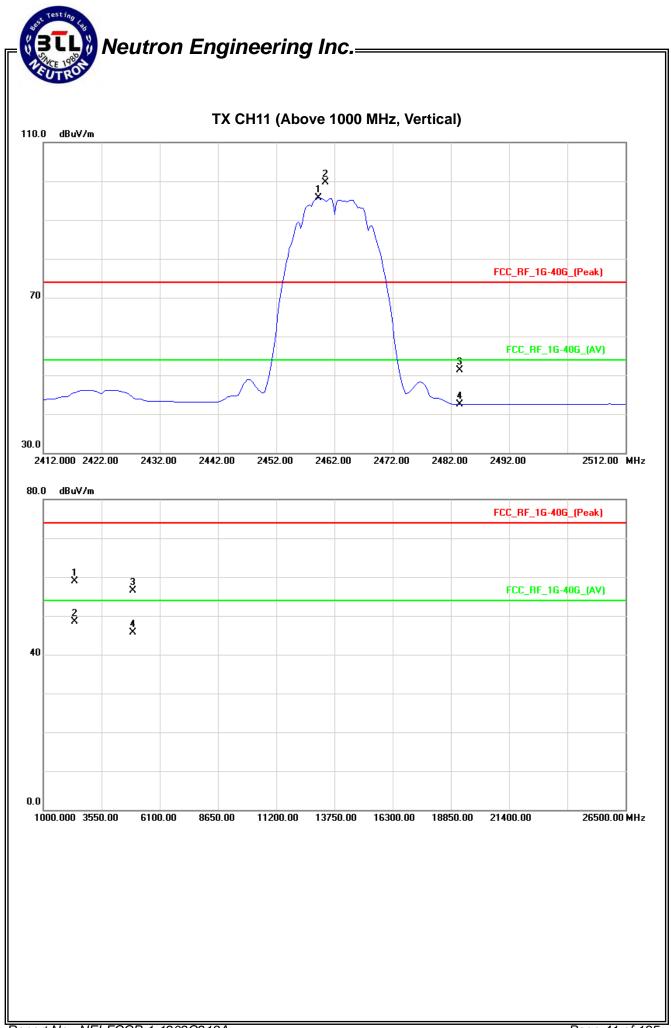




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE 2462MHz		

Freq.	Ant.Pol.	Rea	Reading		ig Ant./CF Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2460.50	V	67.90	63.97	31.83	99.73	95.80			X/F
2483.50	V	19.46	10.68	31.80	51.26	42.48	74.00	54.00	X/E
2381.61	V	60.36	49.99	-1.47	58.89	48.52	74.00	54.00	X/H
4924.02	V	50.76	40.12	5.65	56.41	45.77	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
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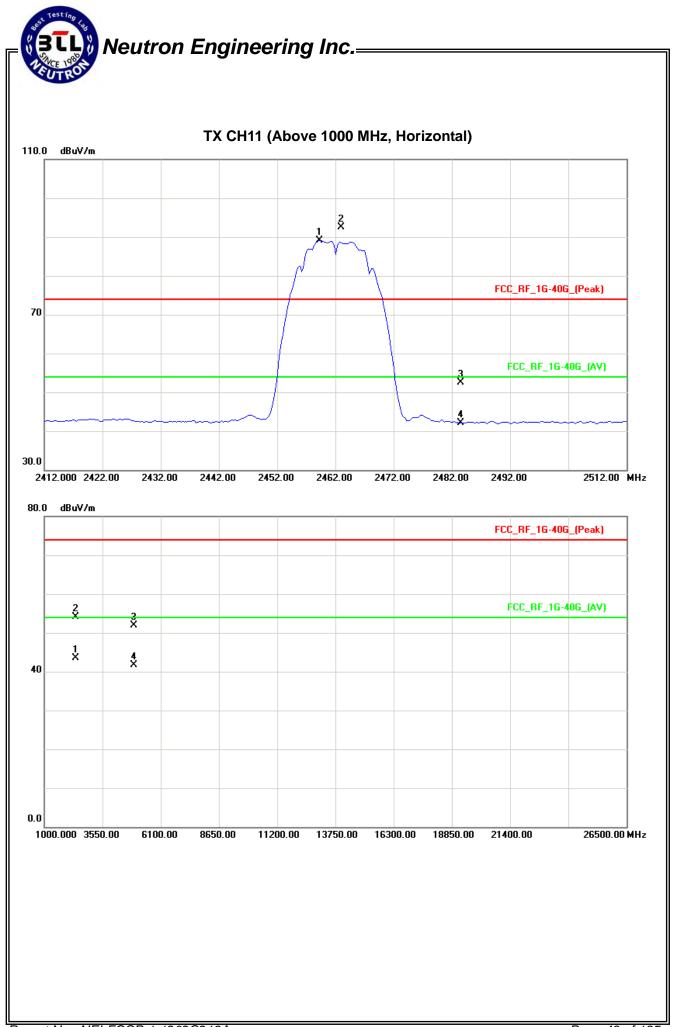




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE 2462MHz		

Freq.	Ant.Pol.	Rea	Reading		A	ct.	Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2463.00	Н	60.69	57.30	31.83	92.52	89.13			X/F
2483.50	Н	20.62	10.34	31.80	52.42	42.14	74.00	54.00	X/E
2384.42	Н	55.50	45.06	-1.48	54.02	43.58	74.00	54.00	X/H
4923.91	Н	46.26	36.13	5.65	51.91	41.78	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
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- (6) EUT Orthogonal Axis:
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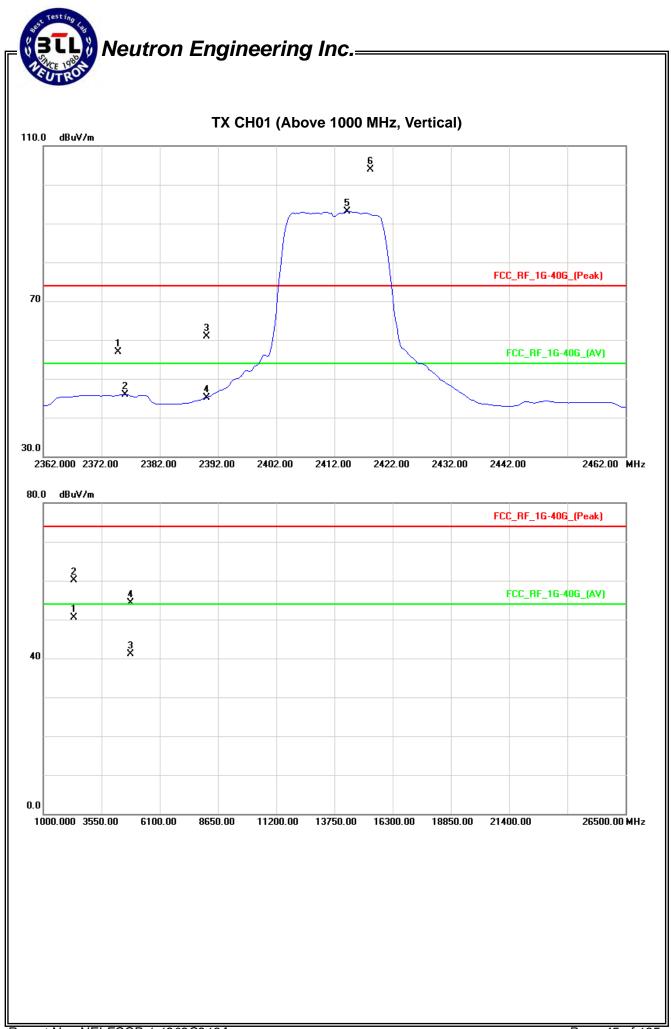


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE 2412MHz		

Freq.	Ant.Pol.	Reading		Ant./CF Act.		Lir	Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2374.80	V	24.97	14.05	31.93	56.90	45.98	74.00	54.00	X/E
2390.00	V	29.07	13.24	31.91	60.98	45.15	74.00	54.00	X/E
2418.25	V	71.94	61.28	31.88	103.82	93.16			X/F
2345.51	V	61.48	51.91	-1.42	60.06	50.49	74.00	54.00	X/H
4824.42	V	48.97	35.79	5.29	54.26	41.08	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:

"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



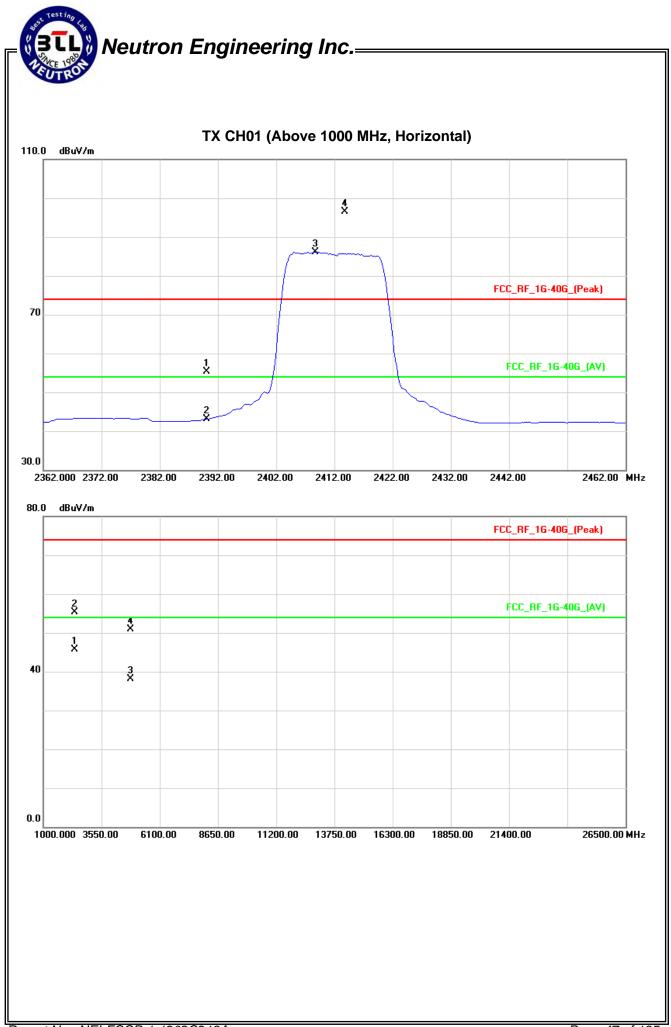


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE 2412MHz		

Freq.	Ant.Pol.	t Pol Reading		Ant./CF	A	Act.		Limit	
TTCq.	Ant.i Ol.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	Н	23.40	11.12	31.91	55.31	43.03	74.00	54.00	X/E
2413.75	Н	64.67	54.30	31.88	96.55	86.18			X/F
2370.46	Н	56.83	47.07	-1.45	55.38	45.62	74.00	54.00	X/H
4824.10	Н	45.53	32.78	5.29	50.82	38.07	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
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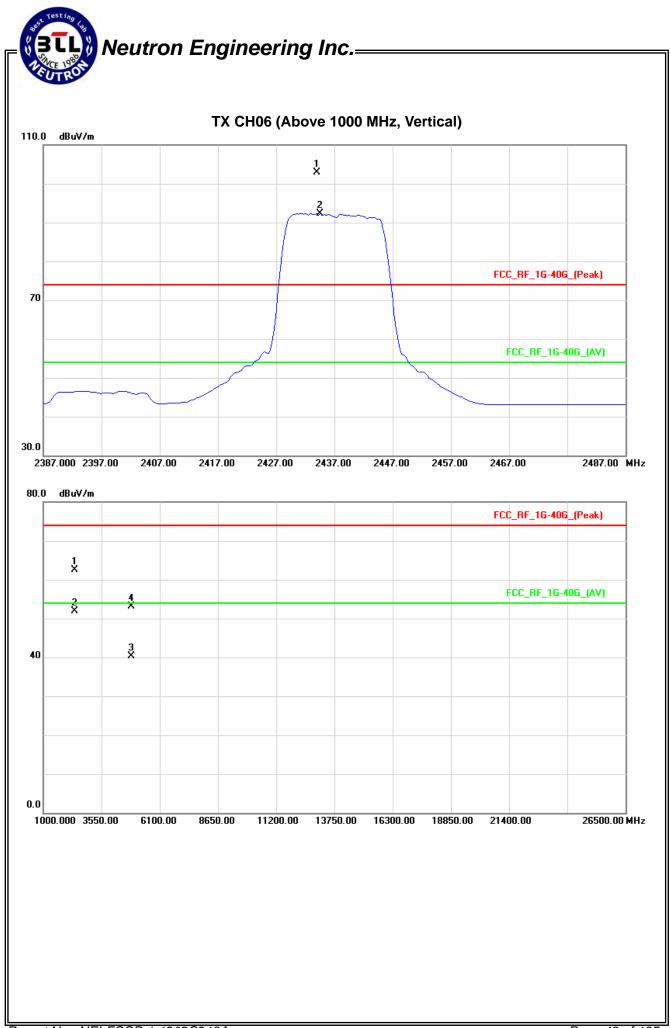


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EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE 2437MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit	
1164.		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2434.00	V	71.10	60.52	31.86	102.96	92.38			X/F
2370.42	V	63.92	53.38	-1.45	62.47	51.93	74.00	54.00	X/H
4874.14	V	47.54	34.82	5.47	53.01	40.29	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
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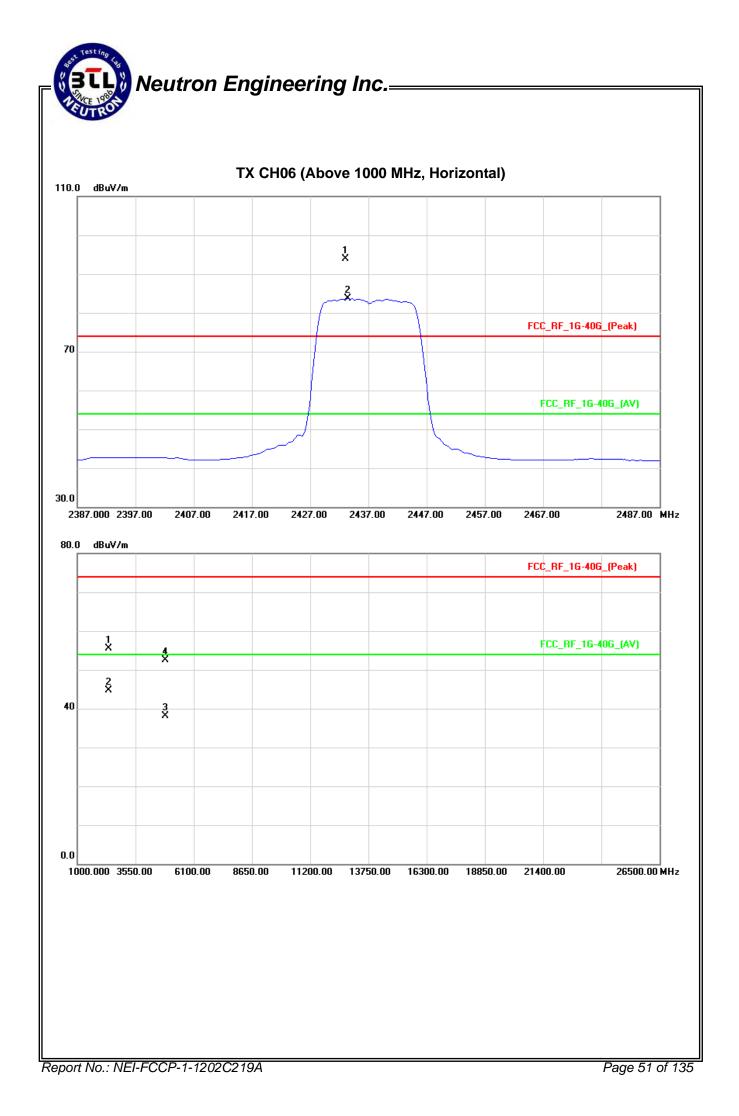




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE 2437MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit		
	Peak	AV		Peak	AV	Peak	AV	Note		
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
2433.00	Н	62.07	51.80	31.86	93.93	83.66			X/F	
2370.38	Н	57.05	46.09	-1.45	55.60	44.64	74.00	54.00	X/H	
4873.95	Н	47.05	32.70	5.47	52.52	38.17	74.00	54.00	X/H	

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- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
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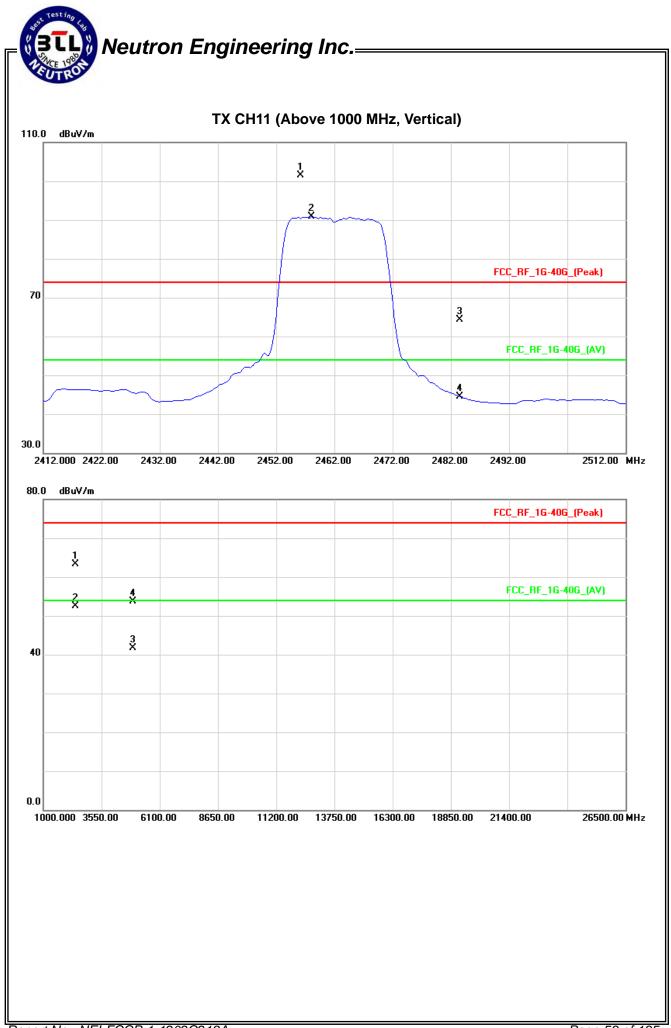




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE 2462MHz		

Freq.	Ant.Pol.	Rea	Reading		Reading Ant./CF Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2456.25	V	69.63	58.98	31.84	101.47	90.82			X/F
2483.50	V	32.46	12.71	31.80	64.26	44.51	74.00	54.00	X/E
2395.38	V	64.74	54.01	-1.49	63.25	52.52	74.00	54.00	X/H
4924.43	V	48.07	35.97	5.65	53.72	41.62	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
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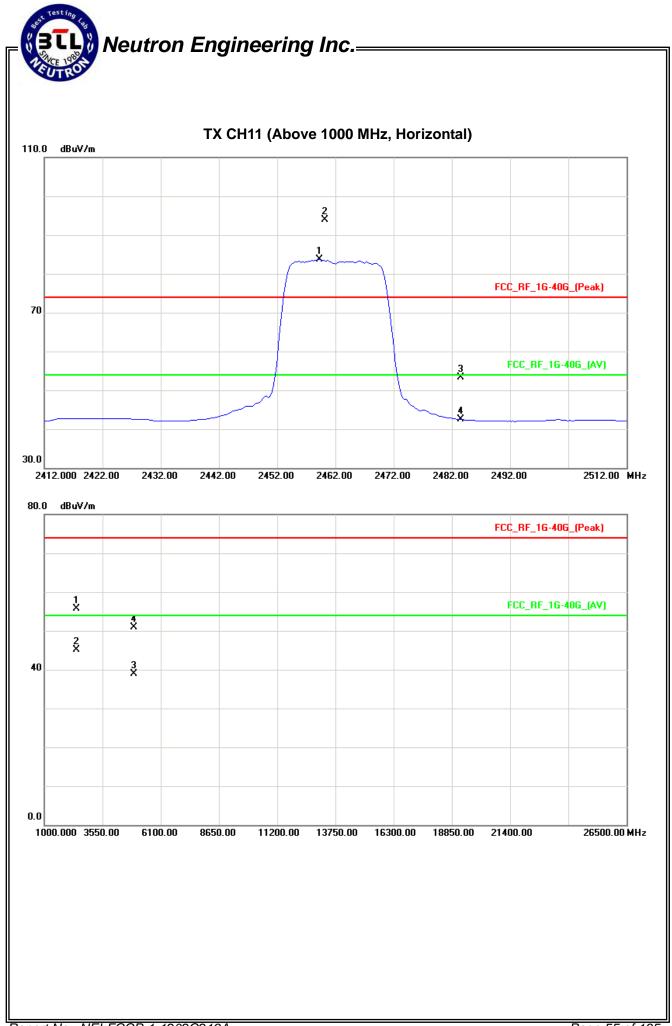




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE 2462MHz		

Freq.	Ant.Pol.	Rea	Reading		A	Act.		Limit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2460.25	Н	62.10	51.87	31.83	93.93	83.70			X/F
2483.50	Н	21.52	10.67	31.80	53.32	42.47	74.00	54.00	X/E
2395.18	Н	57.23	46.66	-1.49	55.74	45.17	74.00	54.00	X/H
4924.15	Н	45.16	33.20	5.65	50.81	38.85	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
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 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
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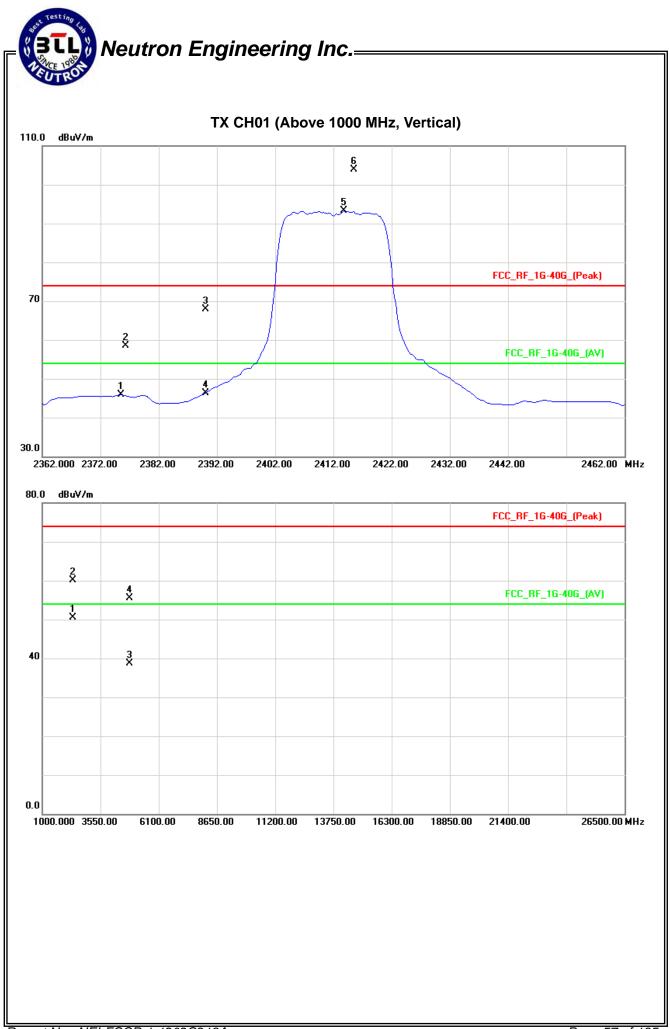


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 MODE 2412MHz		

Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	Act.		nit	
1164.		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2376.28	V	26.61	13.88	31.93	58.54	45.81	74.00	54.00	X/E
2390.00	V	36.09	14.45	31.91	68	46.36	74.00	54.00	X/E
2415.50	V	72.07	61.33	31.88	103.95	93.21			X/F
2346.05	V	61.57	51.96	-1.42	60.15	50.54	74.00	54.00	X/H
4824.15	V	50.23	33.38	5.29	55.52	38.67	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note ". Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
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- (6) EUT Orthogonal Axis:

"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



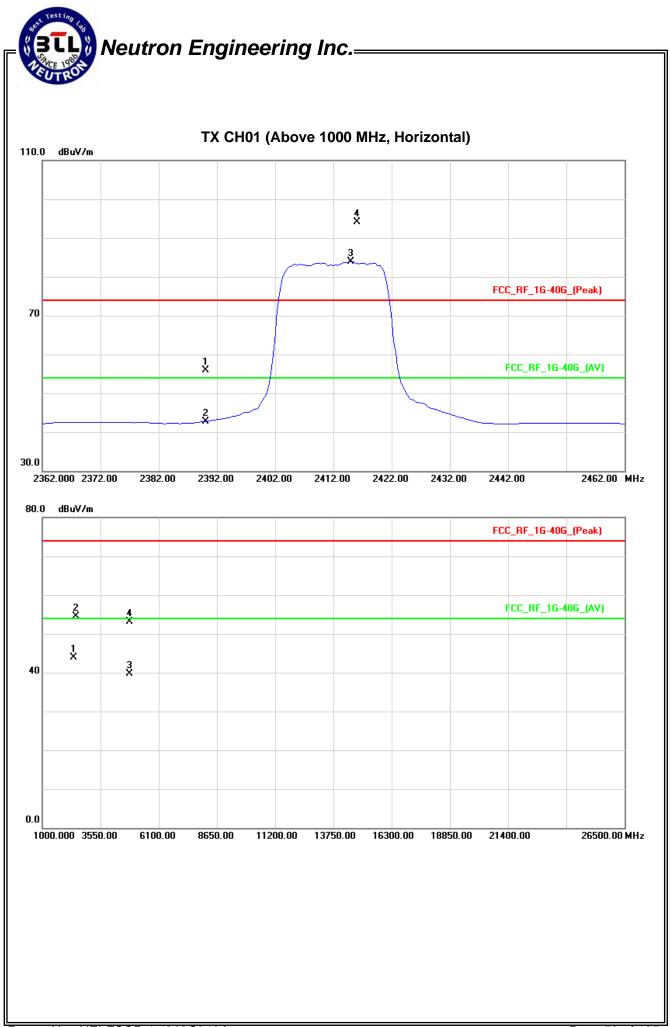


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 MODE 2412MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit		
1164.		Peak	AV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
2390.00	Н	24.06	10.81	31.91	55.97	42.72	74.00	54.00	X/E	
2416.00	Н	62.31	52.12	31.88	94.19	84.00			X/F	
2470.17	Н	56.07	45.36	-1.60	54.47	43.76	74.00	54.00	X/H	
4824.32	Н	47.72	34.48	5.29	53.01	39.77	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
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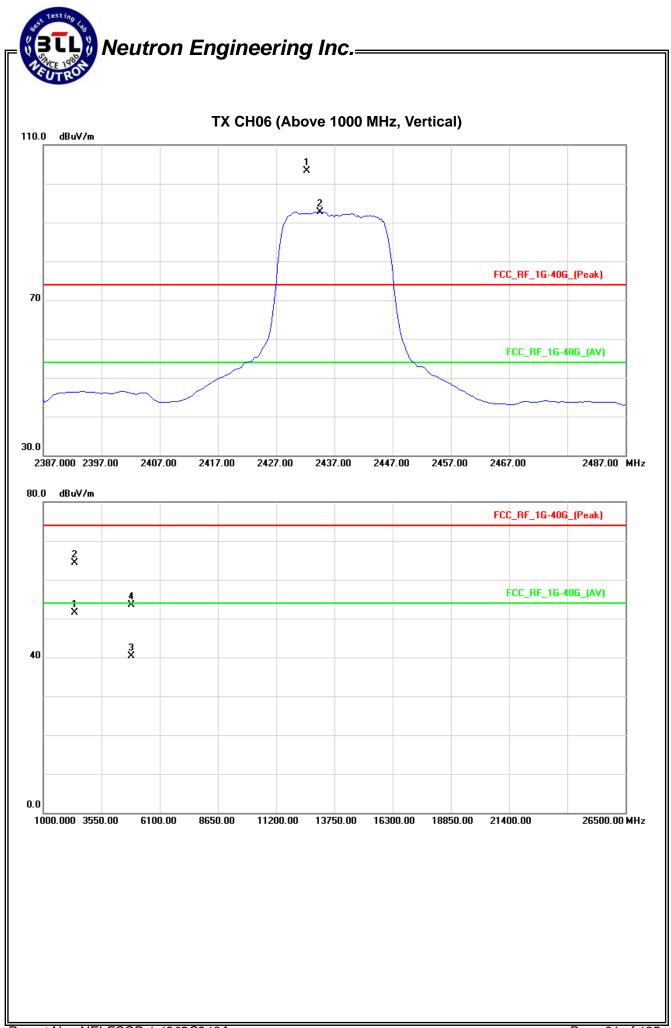


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EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 MODE 2437MHz		

	Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note		
	(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
	2432.25	V	71.43	60.94	31.87	103.30	92.81			X/F	
	2371.25	V	65.67	52.91	-1.45	64.22	51.46	74.00	54.00	X/H	
	4874.10	V	48.04	34.81	5.47	53.51	40.28	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
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- (6) EUT Orthogonal Axis:
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- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

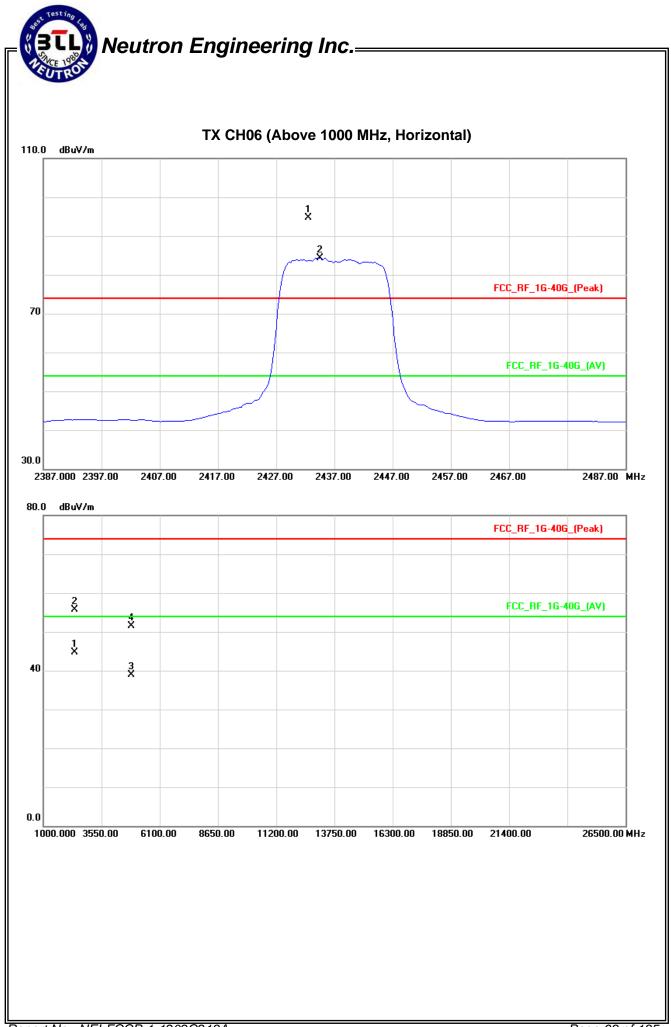




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 °C	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 MODE 2437MHz		

Freq. Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit		
1164.		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2432.50	Н	62.76	52.52	31.87	94.63	84.39			X/F
2371.25	Н	57.08	46.13	-1.45	55.63	44.68	74.00	54.00	X/H
4874.35	Н	46.01	33.39	5.47	51.48	38.86	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
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- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

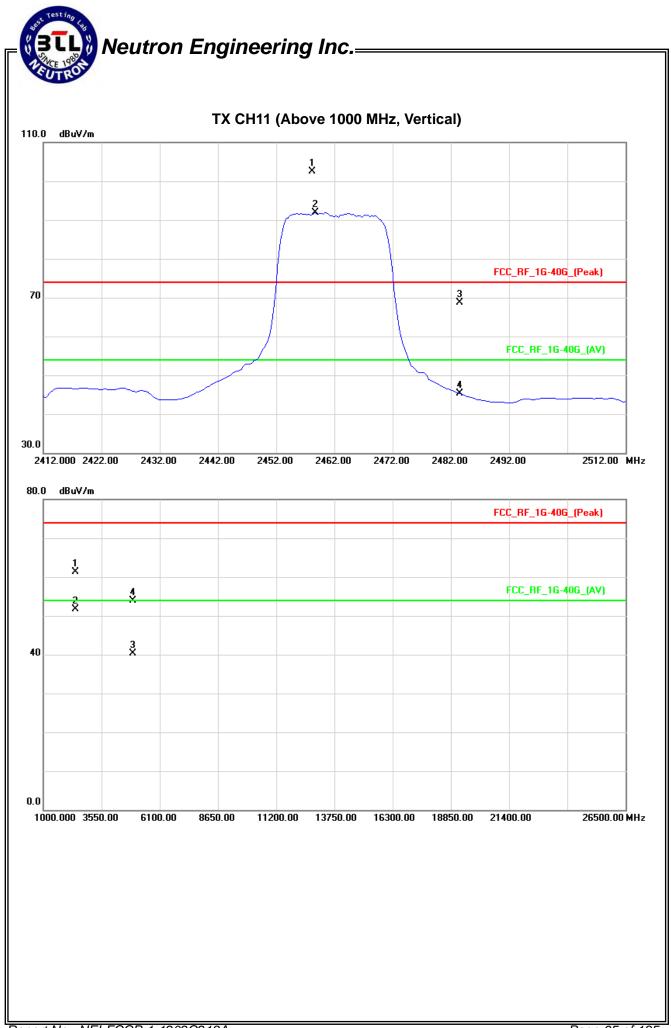




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 MODE 2462MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2458.25	V	70.65	60.04	31.83	102.48	91.87			X/F
2483.50	V	37.00	13.45	31.80	68.80	45.25	74.00	54.00	X/E
2394.50	V	62.77	53.21	-1.49	61.28	51.72	74.00	54.00	X/H
4924.47	V	48.17	34.69	5.65	53.82	40.34	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

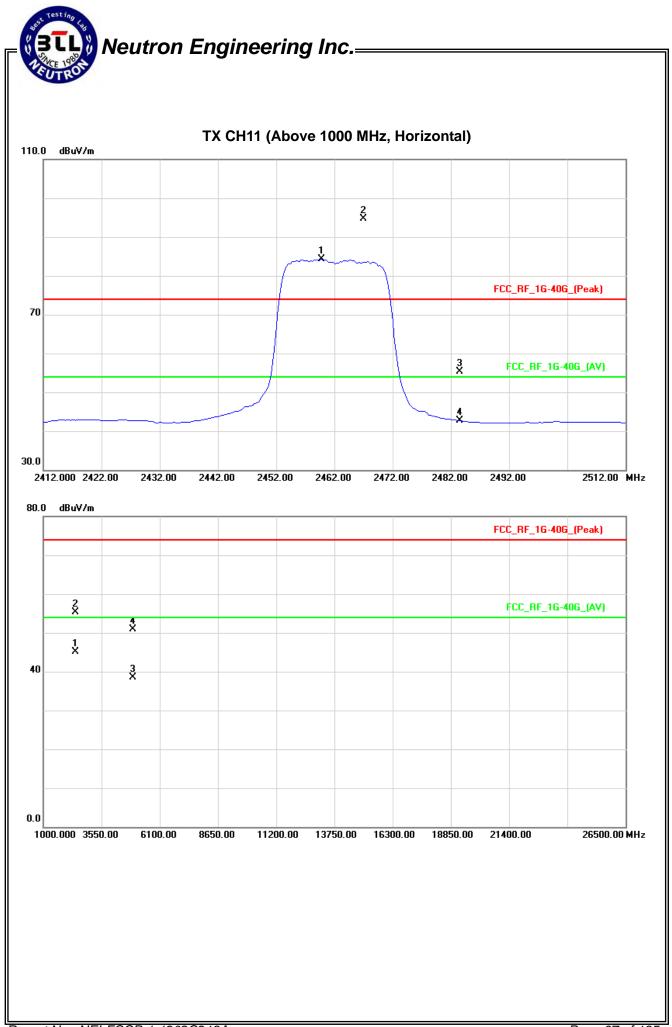




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 MODE 2462MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2467.00	Н	62.86	52.50	31.82	94.68	84.32			X/F
2483.50	Н	23.55	10.85	31.80	55.35	42.65	74.00	54.00	X/E
2395.82	Н	56.85	46.67	-1.49	55.36	45.18	74.00	54.00	X/H
4924.02	Н	45.28	32.95	5.65	50.93	38.60	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

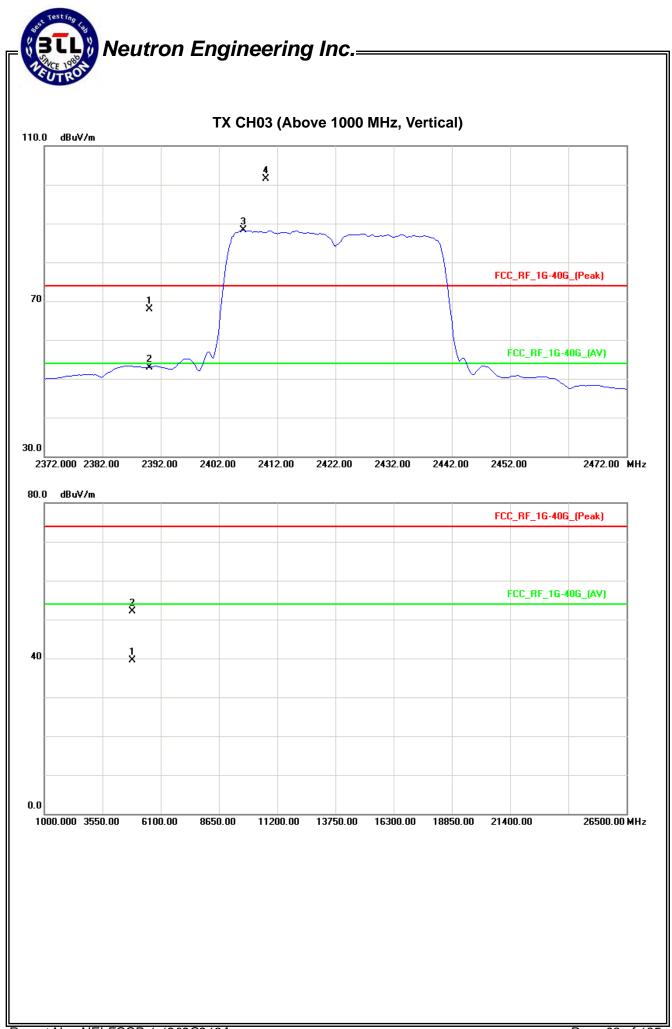




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE 2422MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	35.98	21.06	31.91	67.89	52.97	74.00	54.00	X/E
2410.00	V	69.62	56.43	31.89	101.51	88.32			X/F
4844.52	V	46.84	34.14	5.36	52.20	39.50	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



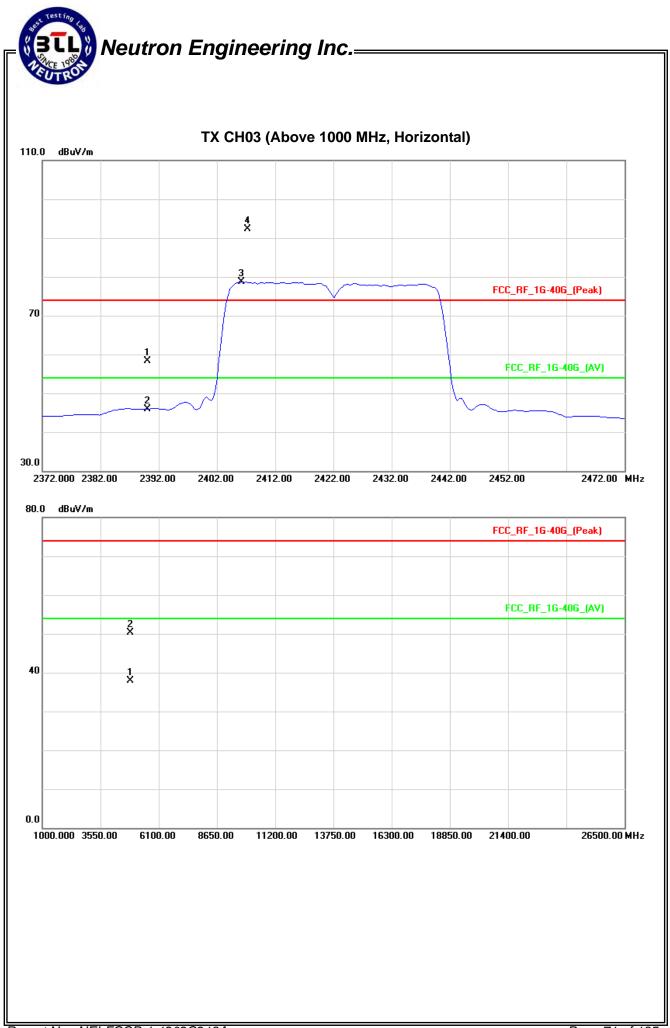


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE 2422MHz		•

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	Н	26.43	13.98	31.91	58.34	45.89	74.00	54.00	X/E
2407.25	Н	60.37	46.76	31.90	92.27	78.66			X/F
4844.26	Н	44.95	32.56	5.36	50.31	37.92	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ^TNote ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:

"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand

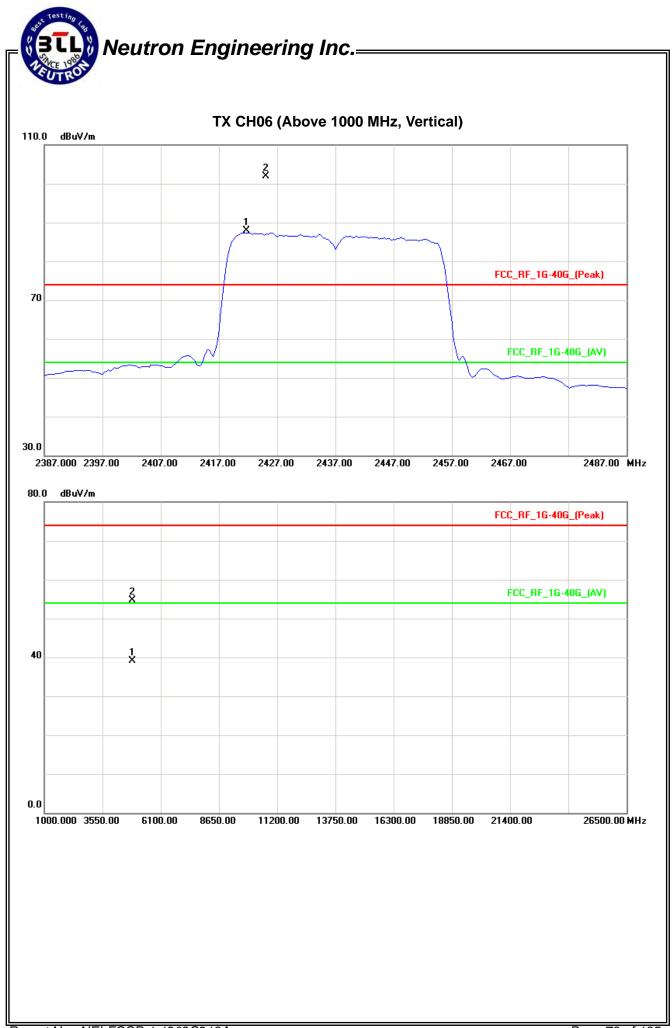




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE 2437MHz		

Freq. Ar	Ant.Pol.	Rea	Reading		Act.		Limit		
r req.	Ant.r oi.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2425.00	V	70.02	56.01	31.87	101.89	87.88			X/F
4874.02	V	49.14	33.66	5.47	54.61	39.13	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of [®]Note [』]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



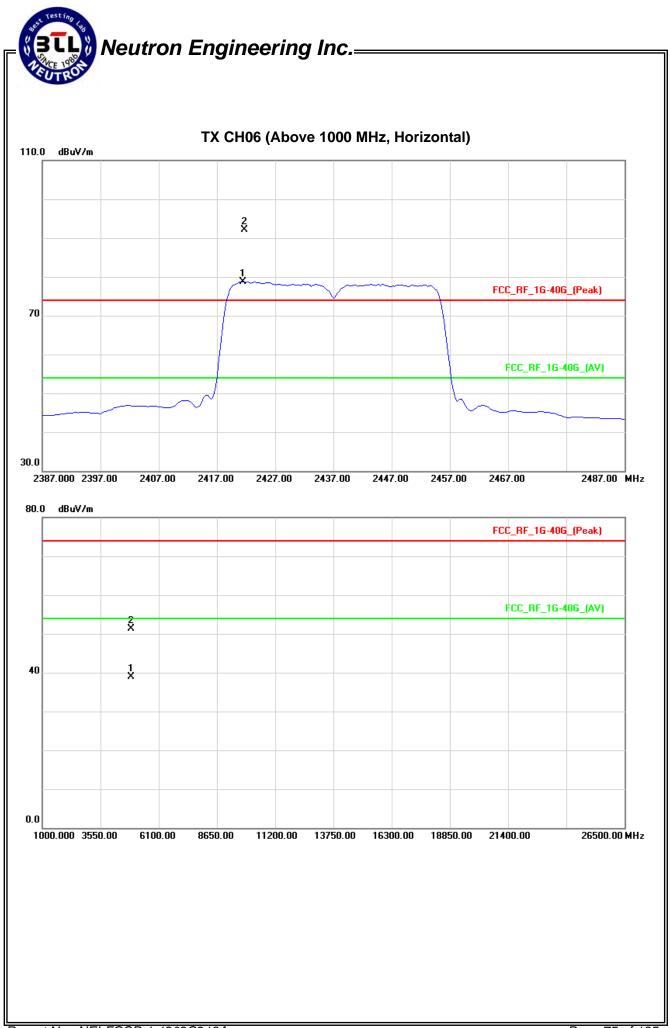


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE 2437MHz	·	

Freg.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
Tieq.	Ant.r oi.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2421.75	Н	60.32	46.85	31.88	92.20	78.73			X/F
4904.26	Н	45.73	33.34	5.58	51.31	38.92	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna





EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE 2452MHz		

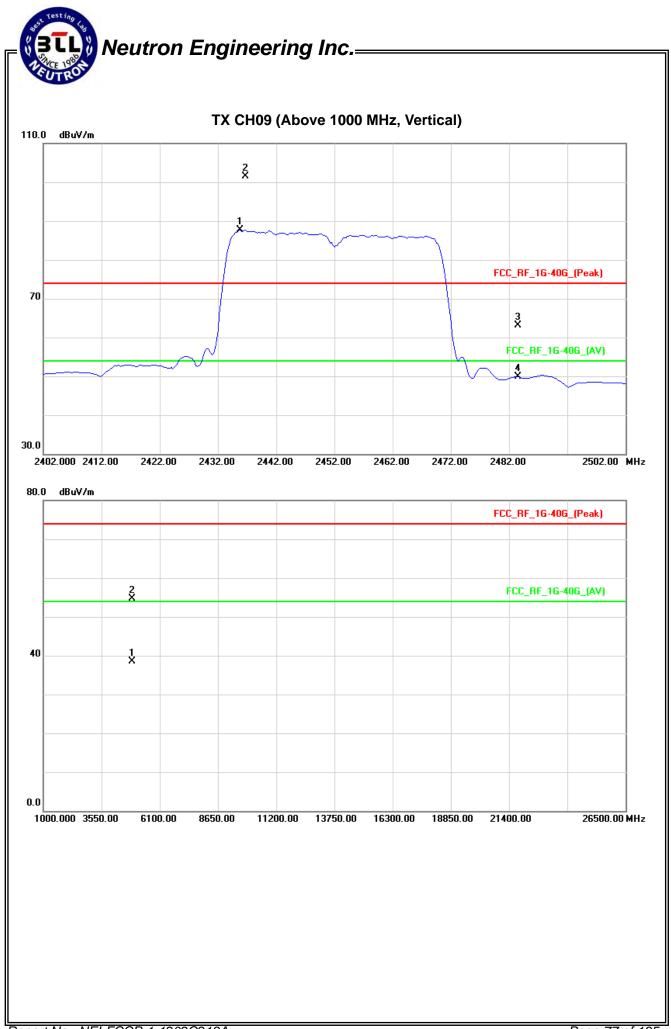
Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2436.75	V	69.66	55.75	31.86	101.52	87.61			X/F
2483.50	V	31.23	18.03	31.80	63.03	49.83	74.00	54.00	X/E
4904.41	V	49.22	32.93	5.58	54.80	38.51	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:

"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



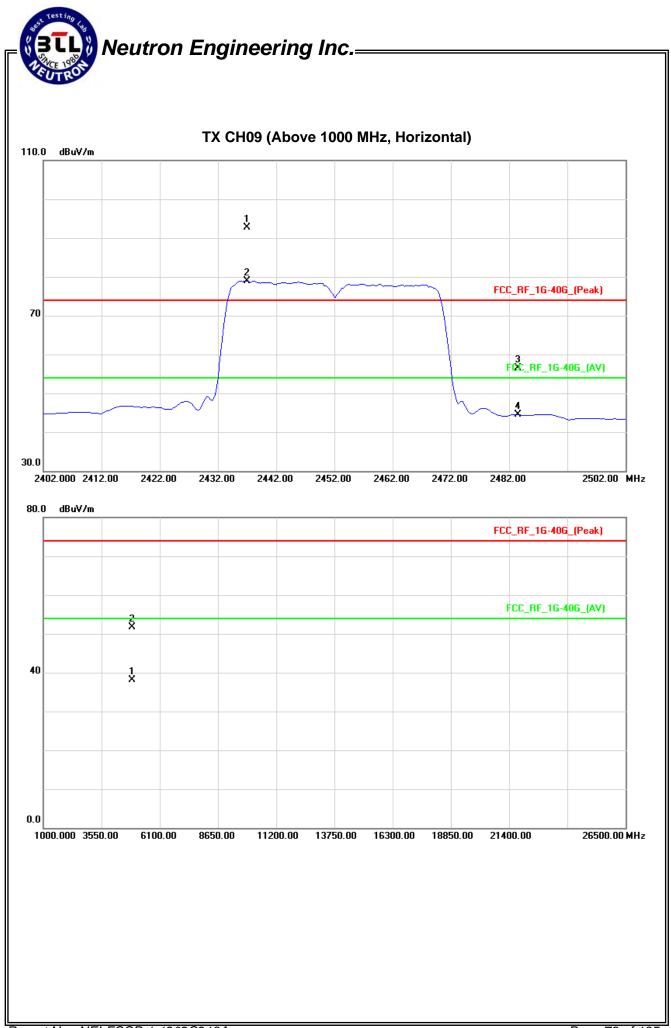


EUT :	Home Gateway	Model Name :	HG532s
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE 2452MHz		

Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2437.00	Н	60.79	47.06	31.86	92.65	78.92			X/F
2483.50	Н	24.71	12.65	31.80	56.51	44.45	74.00	54.00	X/E
4904.21	Н	46.12	32.58	5.58	51.70	38.16	74.00	54.00	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of "Note ... Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency."F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



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5. BANDWIDTH TEST

5.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS		

5.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100185	Nov.25.2012

Remark: " N/A" denotes No Model Name. , Serial No. or No Calibration specified.

5.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 300 ms.

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP



5.1.5 EUT OPERATION CONDITIONS

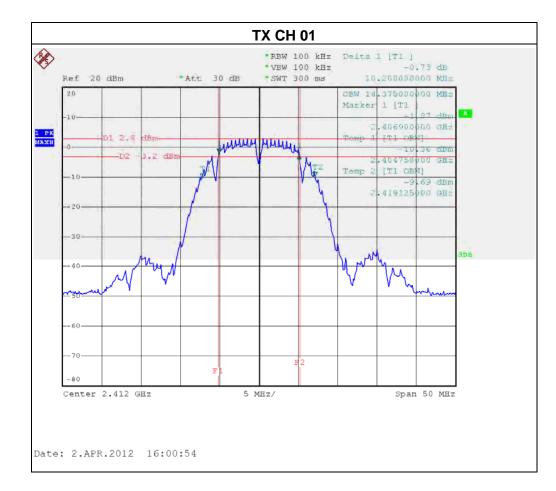
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

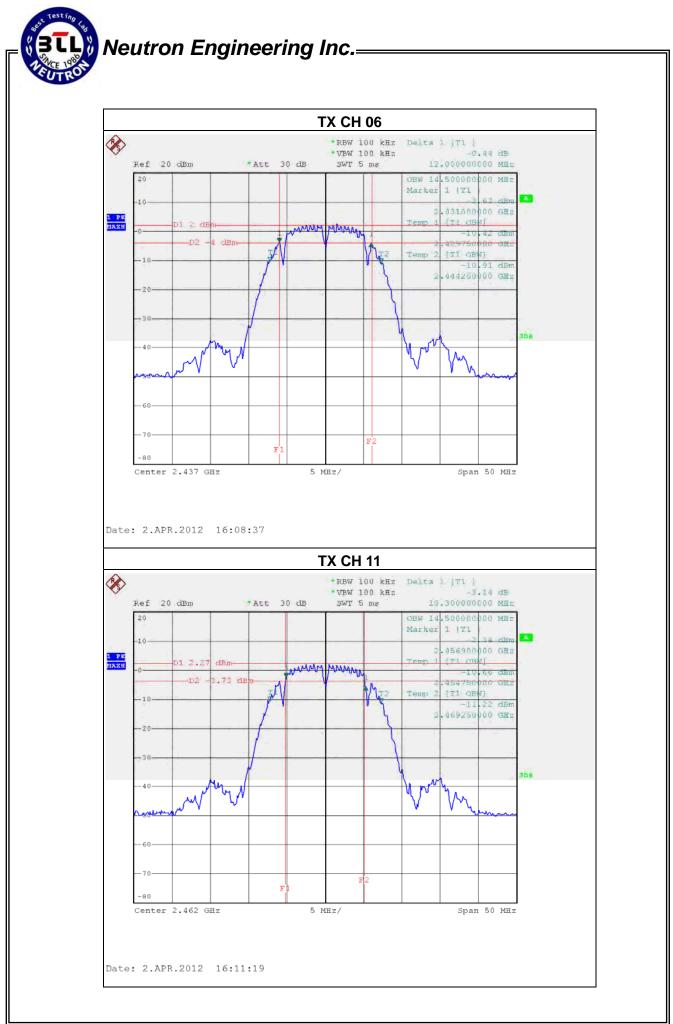


5.1.6 TEST RESULTS

EUT :	Home Gateway	Model Name. :	HG532s		
Temperature :	24 ℃	Relative Humidity :	60 %		
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11				

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	10.20	>=500KHz
CH06	2437	12.00	>=500KHz
CH11	2462	10.30	>=500KHz

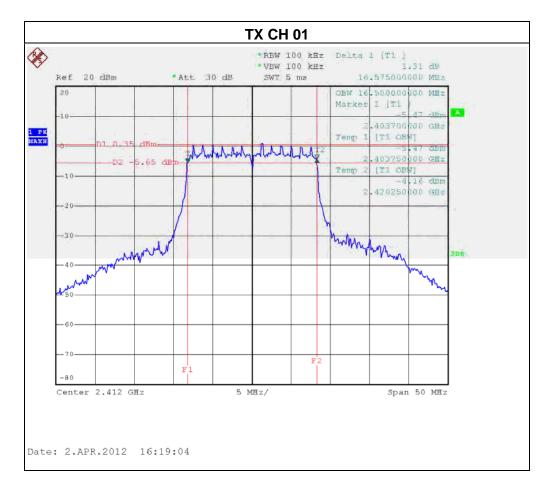


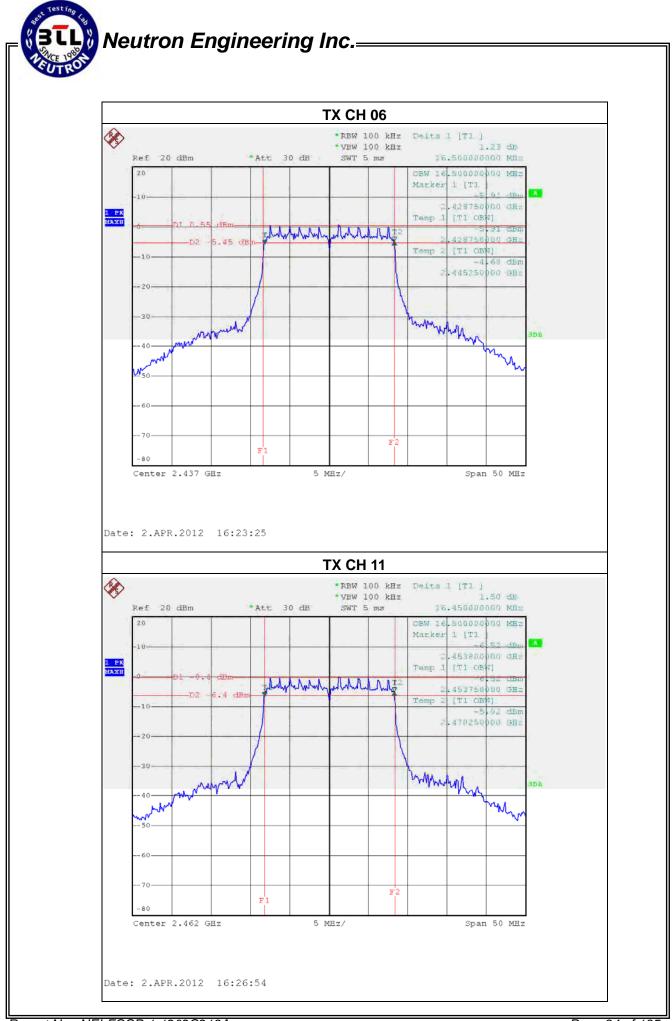




EUT :	Home Gateway	Model Name. :	HG532s		
Temperature :	24 ℃	Relative Humidity :	60 %		
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11				

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	16.58	>=500KHz
CH06	2437	16.50	>=500KHz
CH11	2462	16.45	>=500KHz

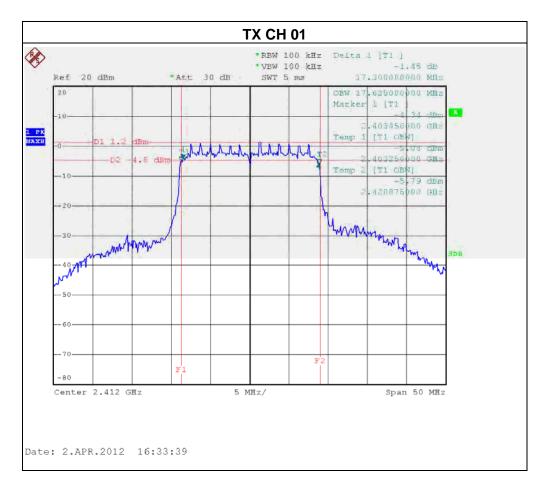


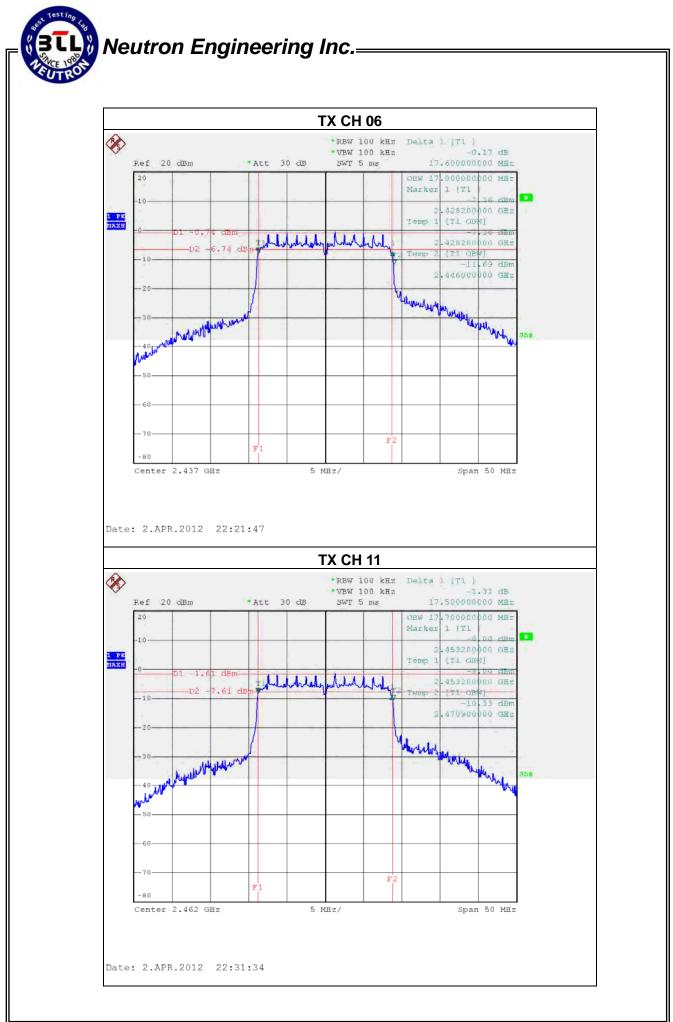




EUT :	Home Gateway	Model Name. :	HG532s	
Temperature :	24 °C	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	TX N MODE -20MHz/ CH01, C	X N MODE -20MHz/ CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	17.30	>=500KHz
CH06	2437	17.60	>=500KHz
CH11	2462	17.50	>=500KHz



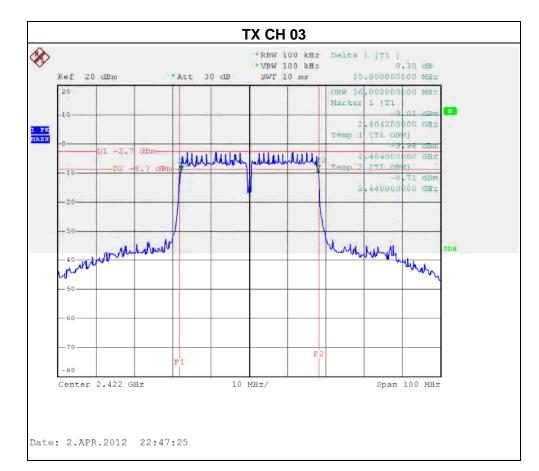


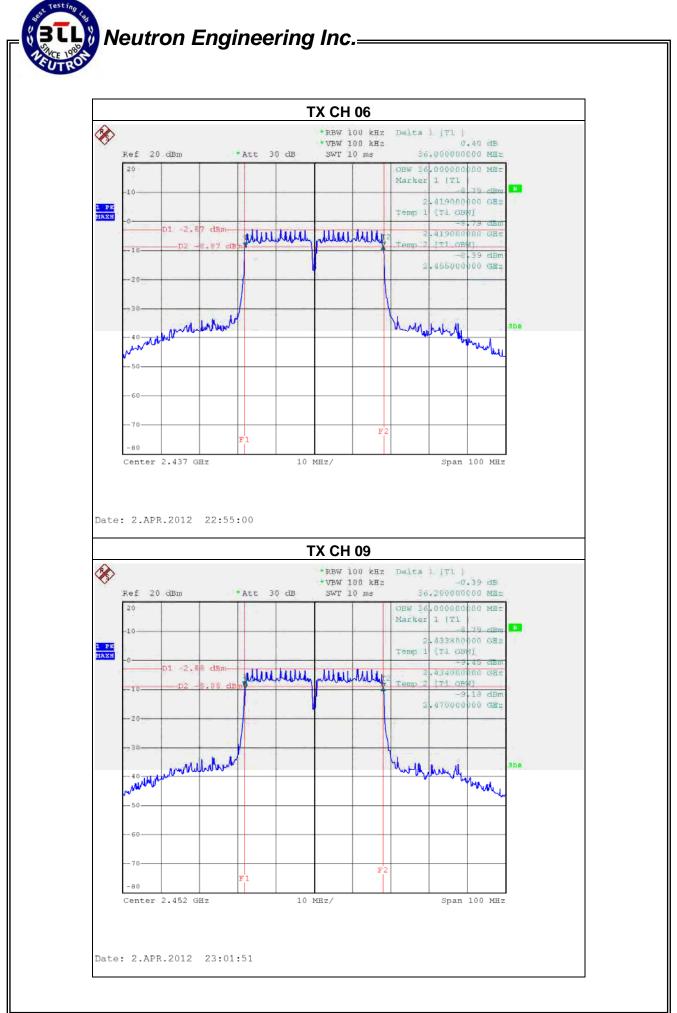
Report No.: NEI-FCCP-1-1202C219A



EUT :	Home Gateway	Model Name. :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE -40MHz/ CH03, CH06, CH09		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH03	2422	35.80	>=500KHz
CH06	2437	36.00	>=500KHz
CH09	2452	36.20	>=500KHz





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6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS	

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128009	Nov.01.2012
2	Pluse Power Sensor	Anritsu	MA2411B	1128009	Nov.01.2012

Remark: " N/A" denotes No Model Name. , Serial No. or No Calibration specified.

6.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 1MHz, VBW=3MHz, Sample detector, Sweep time = 100 ms.

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

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6.1.6 TEST RESULTS

	Home Gateway	Model Nan	ne :	HG532s	
Temperature :	24 ℃	Relative H	umidity :	60 %	
Pressure :	1010 hPa	Test Voltag	Test Voltage : AC 120		/60Hz
Test Mode :	TX B MODE /CH01	, CH06, CH11			
Maximum Out	out Power		-		
	Frequency	Output Power	LIN	ЛІТ	LIMIT
Test Channel	(MHz)	(dBm)		3m)	(W)
CH01	2412 MHz	17.26	3	80	1
CH06	2437 MHz	16.91	3	80	1
CH11 EUT:	2462 MHz Home Gateway	16.85 Model Nan	ne :	0 HG532s	1
			ne :	HG532s	1
EUT: Temperature:	Home Gateway	Model Nar	ne : umidity:	HG532s	
EUT: Temperature:	Home Gateway 24 ℃	Model Nan Relative H Test Voltag	ne : umidity:	HG532s 60 %	
EUT: Temperature: Pressure:	Home Gateway 24 ℃ 1010 hPa TX G MODE /CH01	Model Nan Relative H Test Voltag	ne : umidity:	HG532s 60 %	
EUT: Temperature: Pressure: Test Mode : Maximum Outp	Home Gateway 24 ℃ 1010 hPa TX G MODE /CH01	Model Nan Relative H Test Voltag	ne : umidity : ge :	HG532s 60 %	
EUT: Temperature: Pressure: Test Mode :	Home Gateway 24 ℃ 1010 hPa TX G MODE /CH01 ut Power	Model Nan Relative H Test Voltag , CH06, CH11	ne : umidity : ge : LIN	HG532s 60 % AC 120V	/60Hz
EUT: Temperature: Pressure: Test Mode : Maximum Outp	Home Gateway 24 °C 1010 hPa TX G MODE /CH01 ut Power Frequency	Model Nan Relative H Test Voltag , CH06, CH11 Output Power	ne : umidity : ge : LIN (dE	HG532s 60 % AC 120V	/60Hz LIMIT
EUT : Temperature : Pressure : Test Mode : Maximum Outp Test Channel	Home Gateway 24 ℃ 1010 hPa TX G MODE /CH01 ut Power Frequency (MHz)	Model Nan Relative H Test Voltag , CH06, CH11 Output Power (dBm)	ne : umidity : ge : LIN (dE	HG532s 60 % AC 120V MIT 3m)	/60Hz LIMIT (W)

EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 °C	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-20M MODE /CH01, CH06, CH11		

Maximum Output Power

Test Channel	Frequency (MHz)	Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412 MHz	22.10	30	1
CH06	2437 MHz	21.94	30	1
CH11	2462 MHz	22.03	30	1



EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /CH03, CH06	6, CH09 - ANT1	

Maximum Output Power

Test Channel	Frequency	Output Power	LIMIT	LIMIT
Test Channel	(MHz)	(dBm)	(dBm)	(W)
CH03	2422 MHz	19.51	30	1
CH06	2437 MHz	19.05	30	1
CH09	2452 MHz	19.23	30	1

EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /CH03, CH06	6, CH09 - ANT2	

Maximum Output Power

Test Channel	Frequency (MHz)	Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH03	2422 MHz	20.20	30	1
CH06	2437 MHz	20.10	30	1
CH09	2452 MHz	20.70	30	1



EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /CH03, CH06, CH09 - ANT1+ ANT2		

Maximum Output Power

Test Channel	Frequency	Output Power		LIMIT
	(MHz)	(dBm)	(dBm)	(W)
CH03	2422 MHz	22.88	29.8	0.954
CH06	2437 MHz	22.62	29.8	0.954
CH09	2452 MHz	23.04	29.8	0.954

Note: Each antenna port was measured individually, and the aggregated power was summed up mathematically.

Remark :

- (1) The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.
 And after obtain each individual transmitter chain power, then sum the output power by using the following formula:

 ((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.
- (2) Antenna Gain=3.2 dBi ANT1 Antenna Gain=3.2 dBi – ANT2



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100185	Nov.25.2012

Remark: " N/A" denotes No Model Name. , Serial No. or No Calibration specified.

7.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 300 ms.

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

7.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

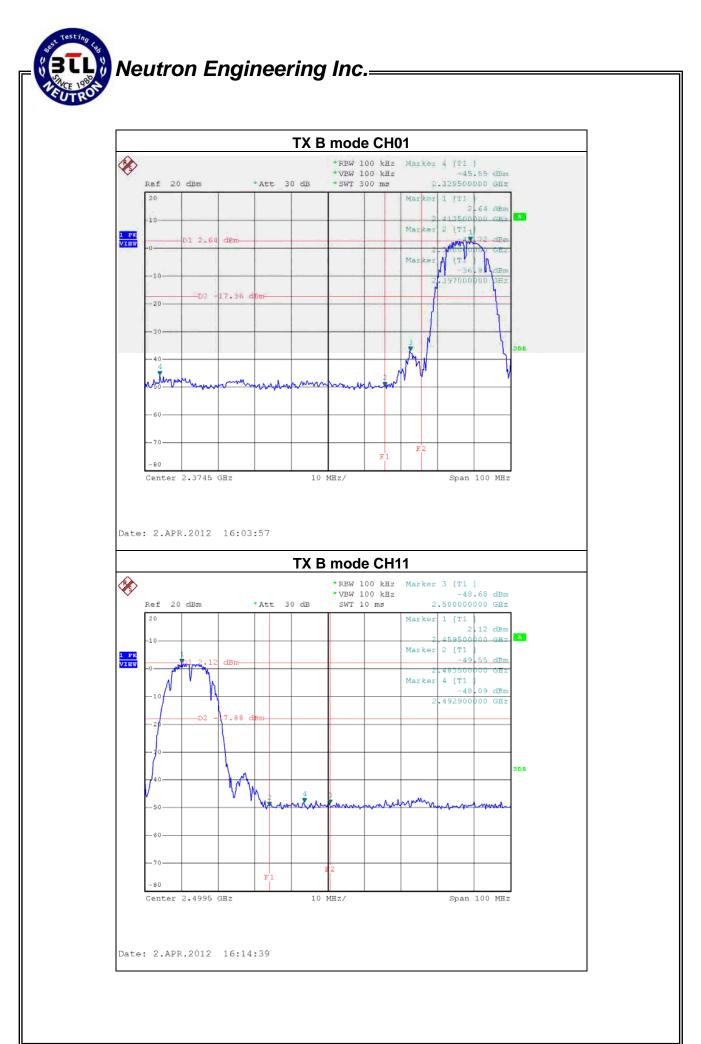


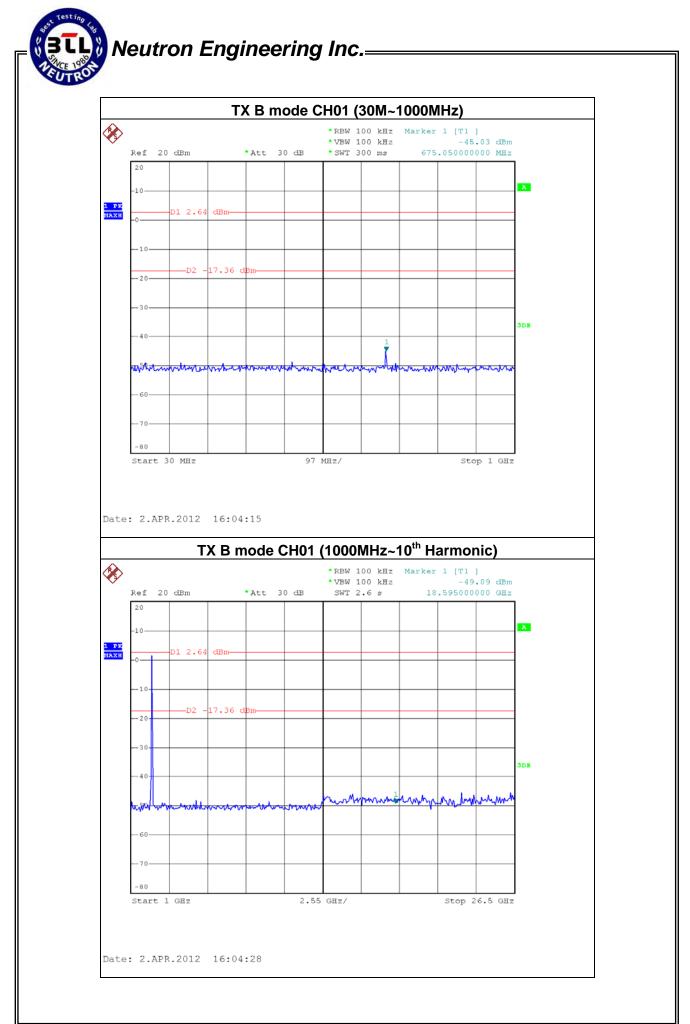
7.1.6 TEST RESULTS

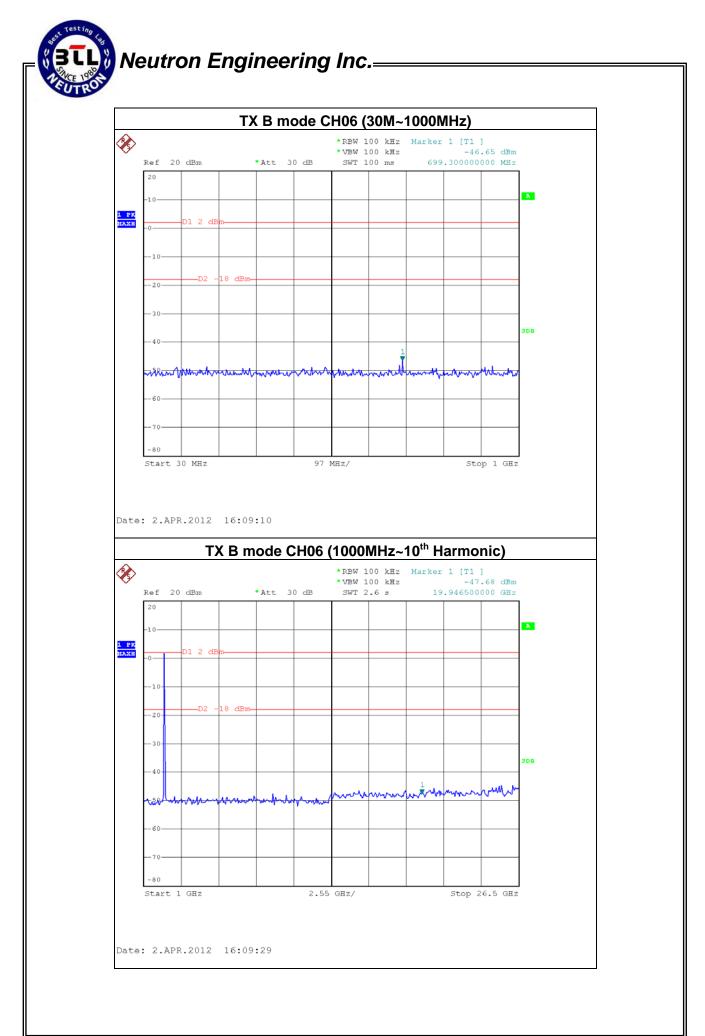
EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE /CH01, CH06 , CH11		

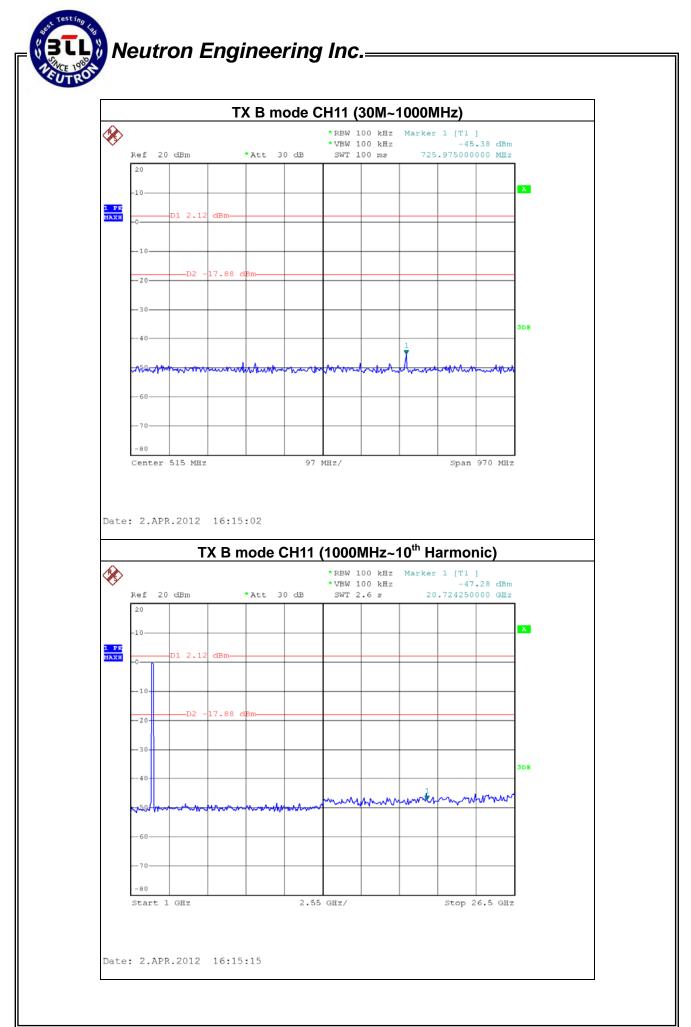
Channel of Worst Data: CH01					
The max. radio frequency power in any 100kHz The max. radio frequency power in any 100 kHz bandwidth within the frequency band bandwidth within the frequency band.					
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)		
2397.00 -36.83 2492.90 -48.09					
	Result				

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.







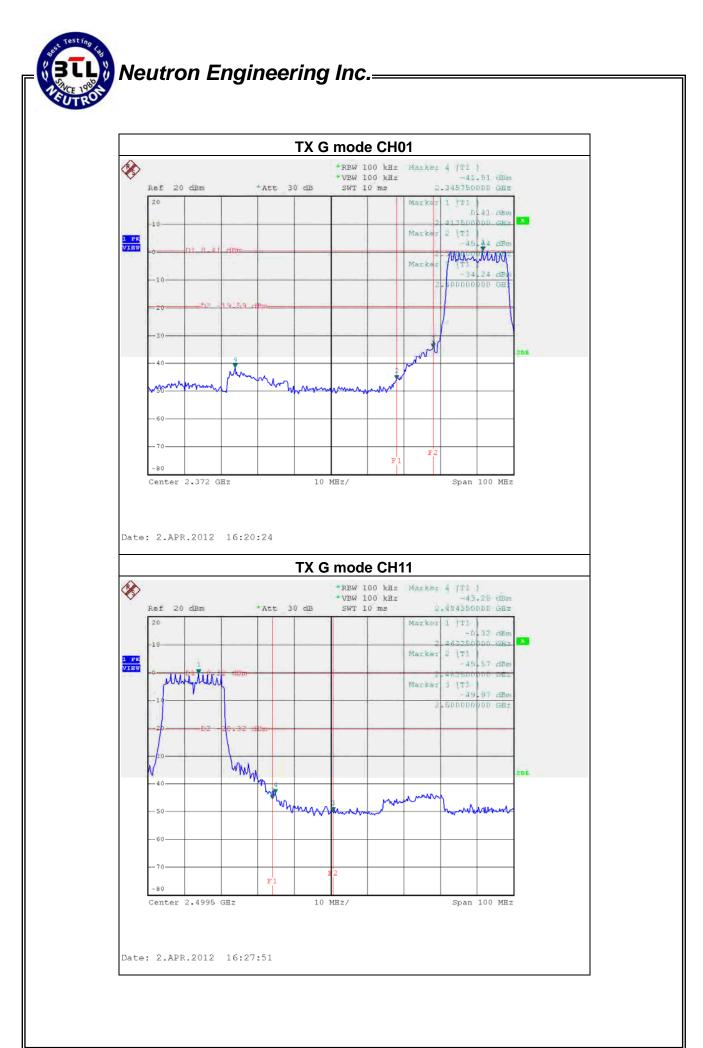


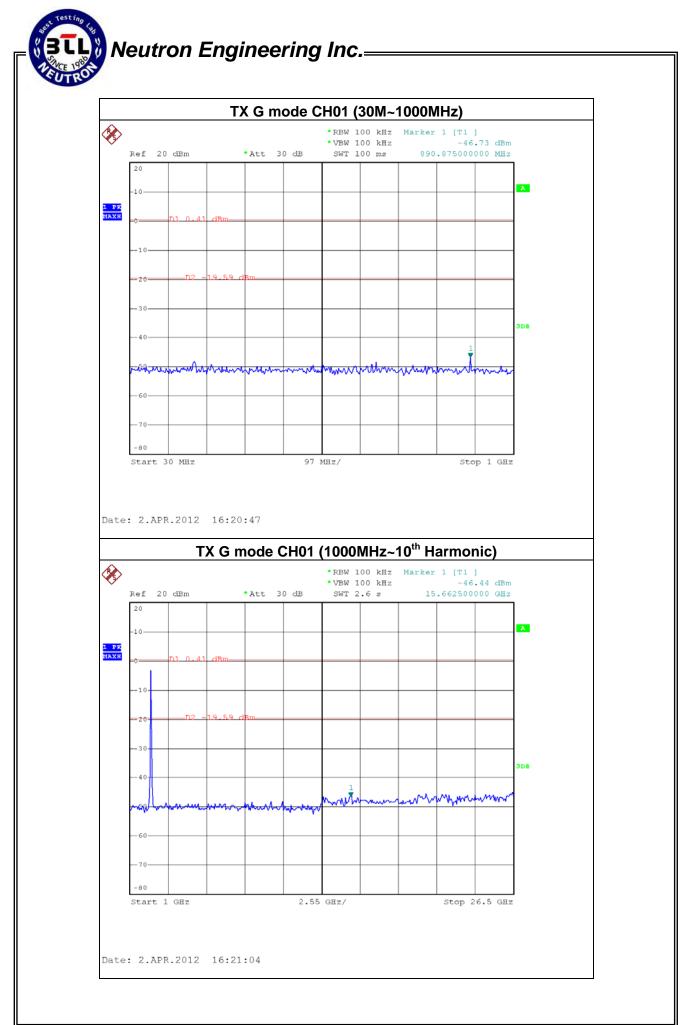


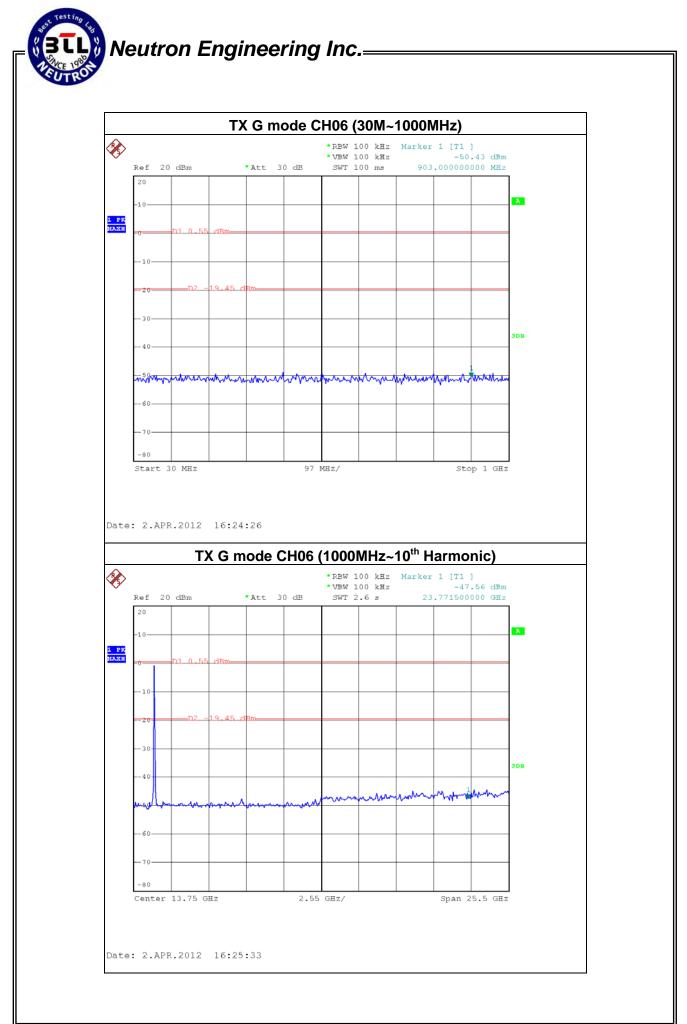
EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE / CH01, CH06 , CH11		

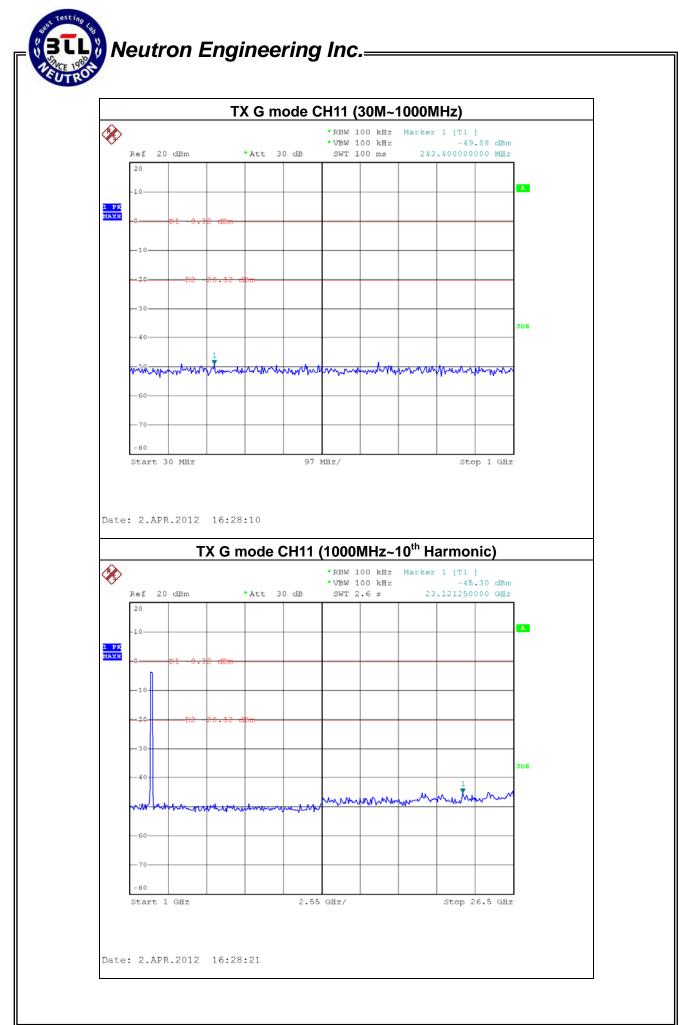
Channel of Worst Data: CH01					
The max. radio frequency power in any 100kHz The max. radio frequency power in any 100 kHz bandwidth within the frequency band bandwidth outside the frequency band.					
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)		
2400.00 -34.24 2484.35 -43.28					
	Result				

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.







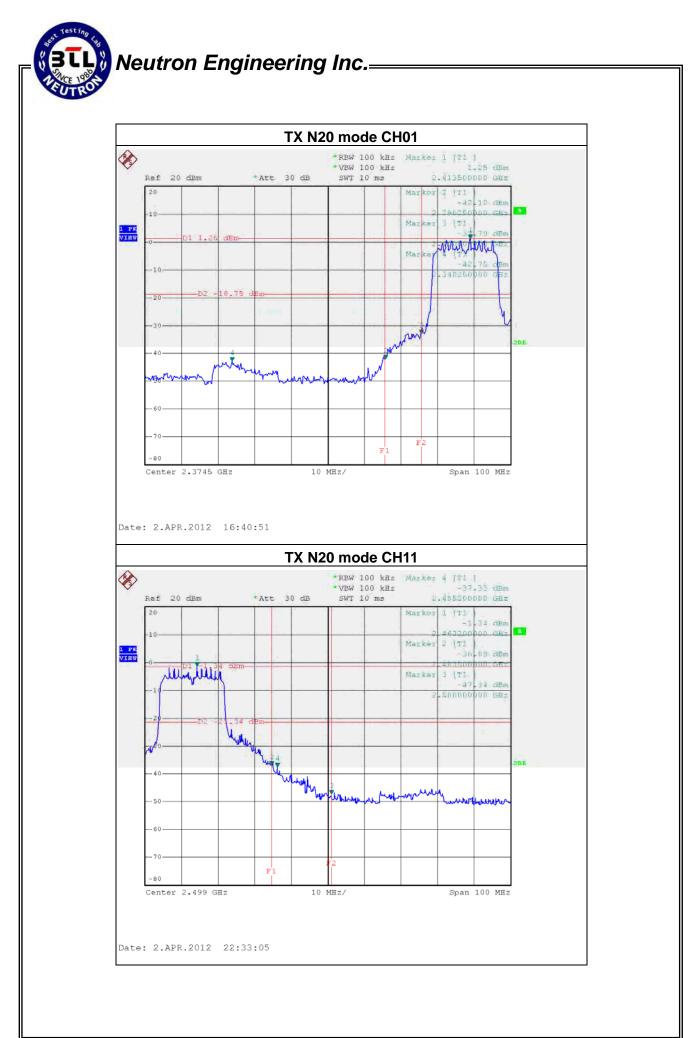


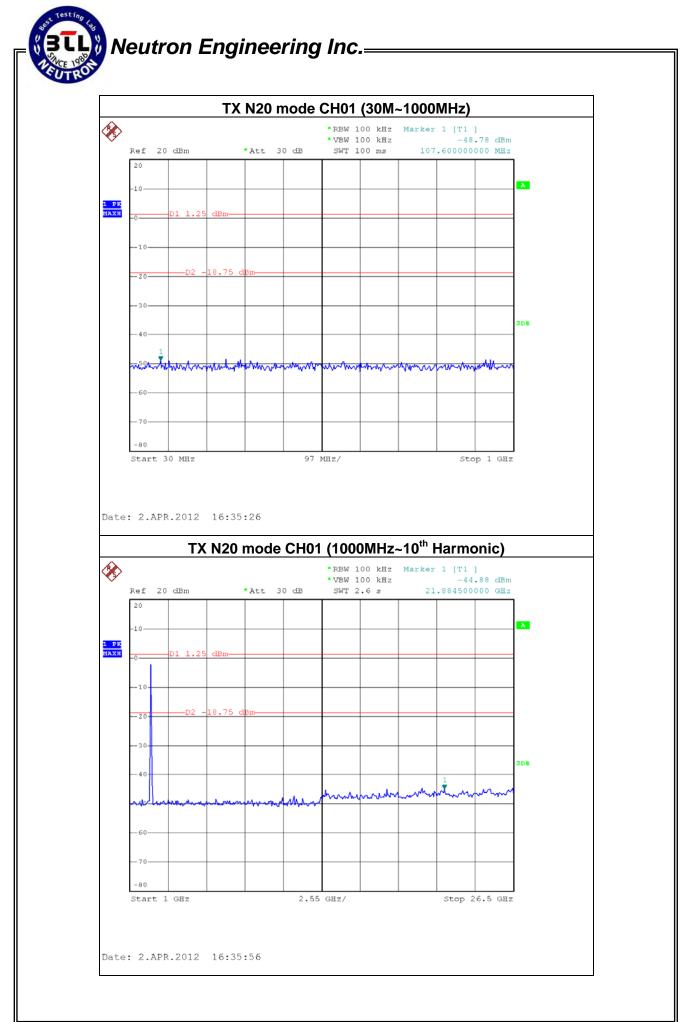


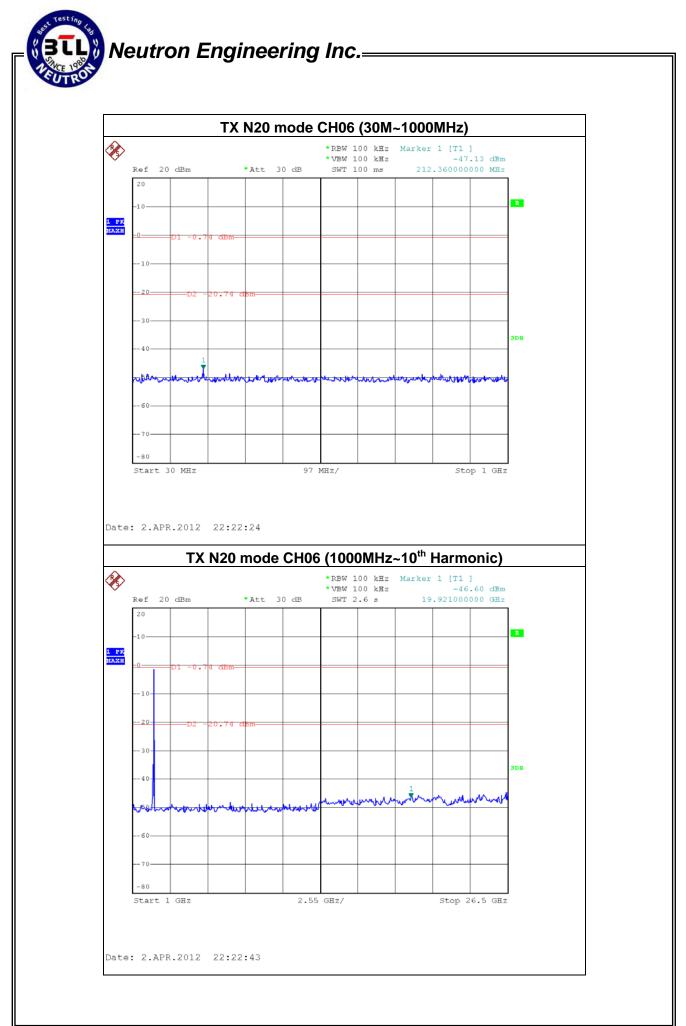
EUT :	Home Gateway	Model Name :	HG532s	
Temperature :	24 ℃	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	TX N-20M MODE / CH01, CH06 , CH11			

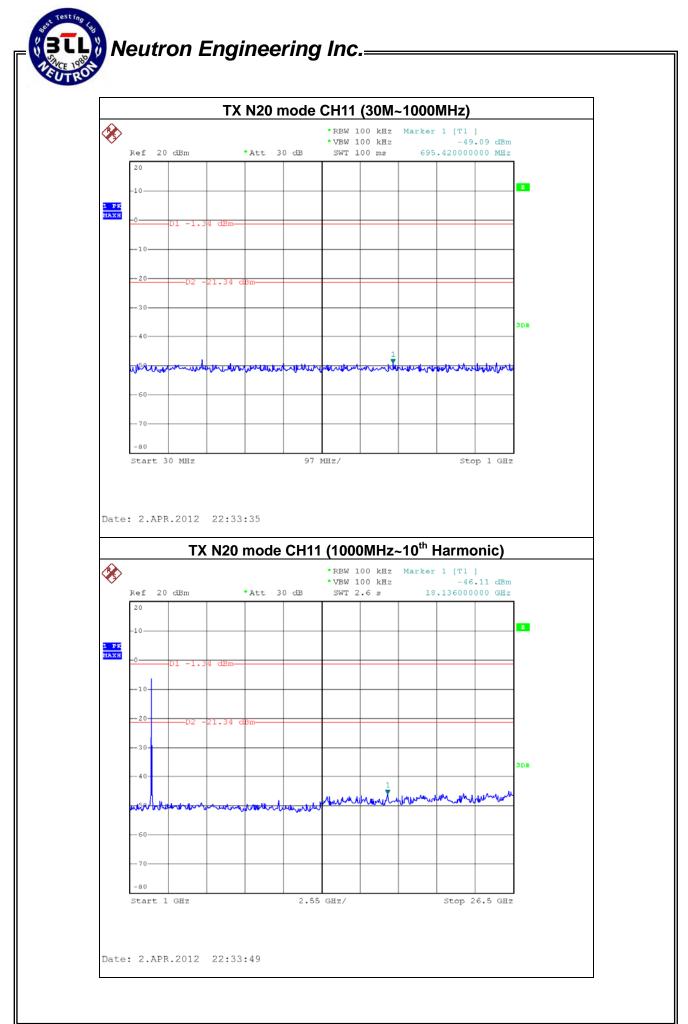
Channel of Worst Data: CH01					
The max. radio frequency power in any 100kHz bandwidth within the frequency band bandwidth within the frequency band					
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)		
2400.00 -32.79 2483.50 -36.89					
	Result				

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.







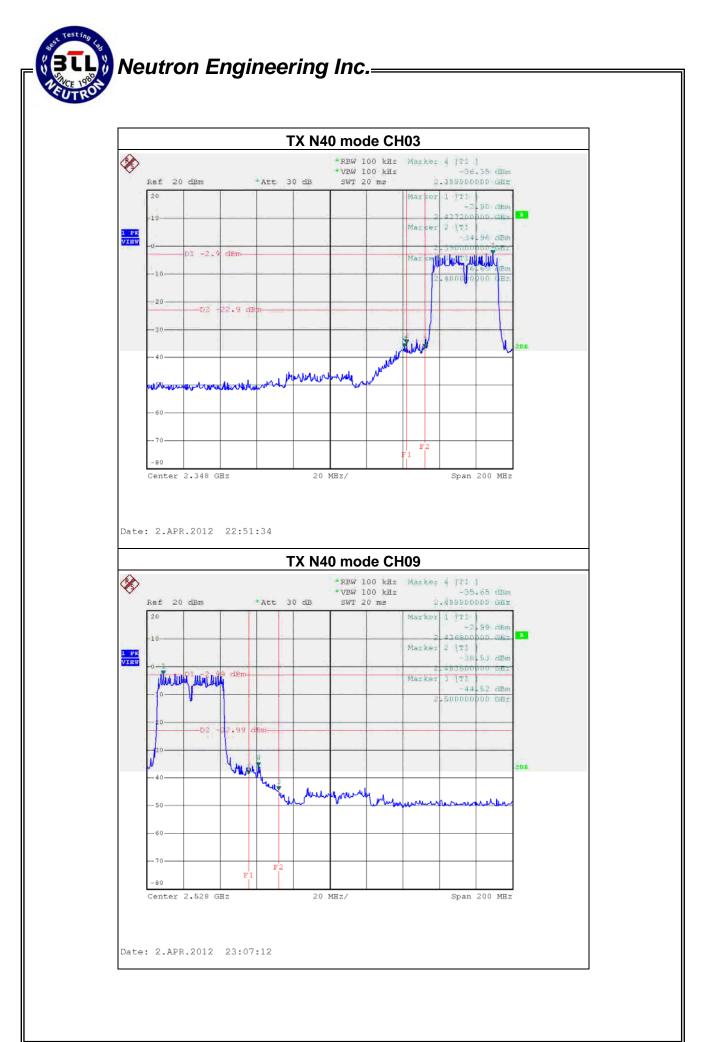


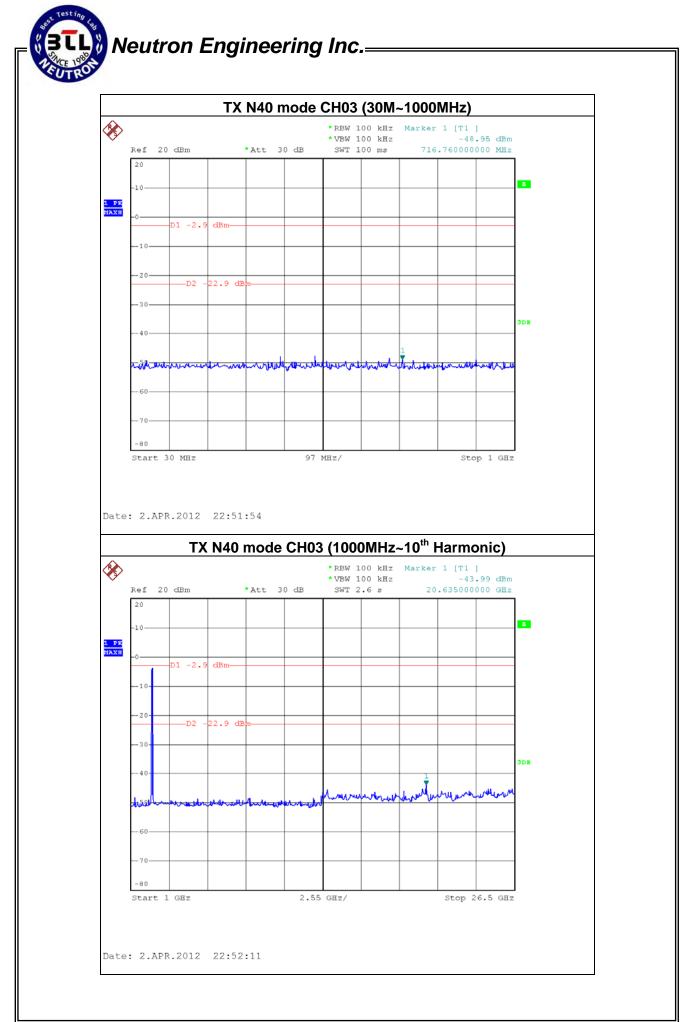


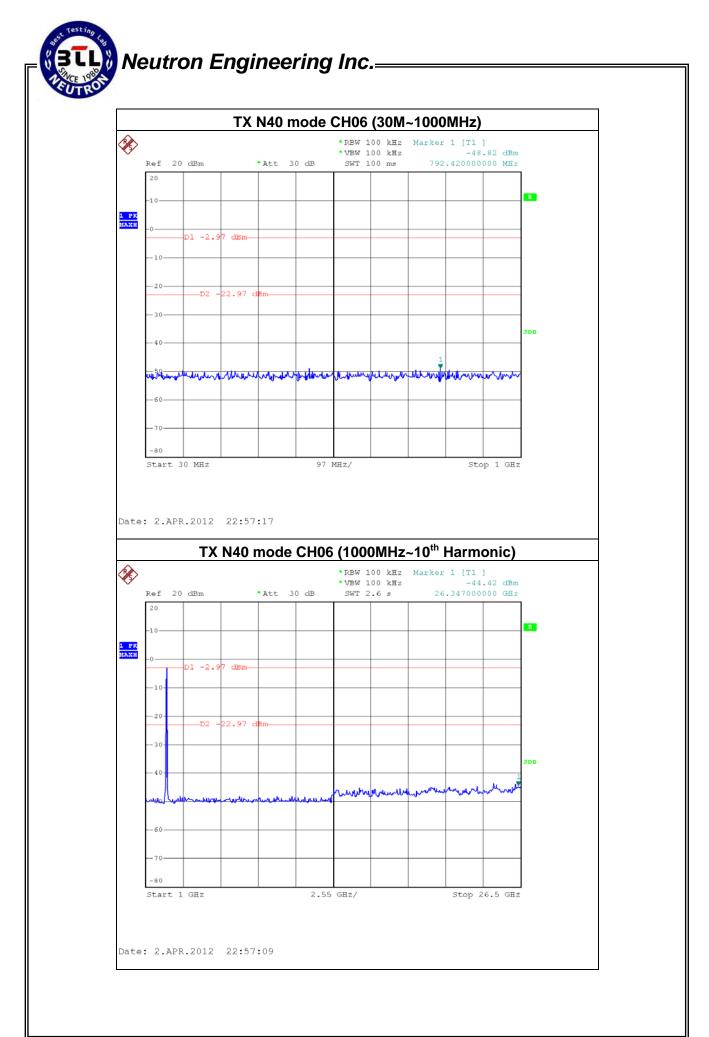
EUT :	Home Gateway	Model Name :	HG532s	
Temperature :	24 ℃	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	TX N-40M MODE /CH03, CH06, CH09 – ANT1			

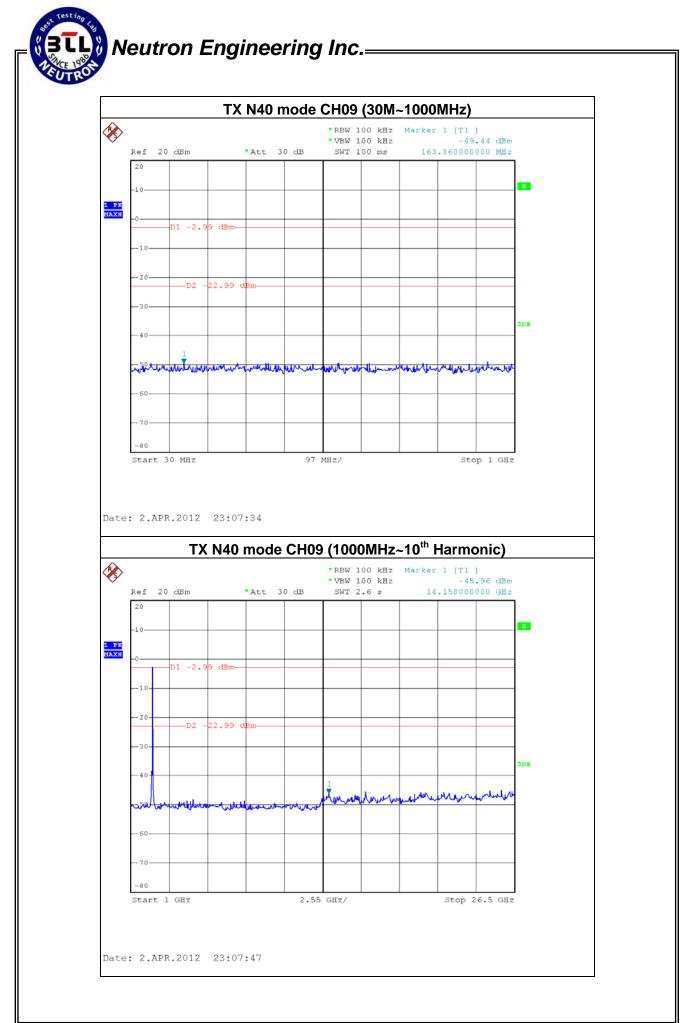
Channel of Worst Data: CH03					
The max. radio frequency power in any 100kHzThe max. radio frequency power in any 100 kbandwidth outside the frequency bandbandwidth within the frequency band.					
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)		
2390.00 -34.96 2488.80 -35.65					
Result					

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.







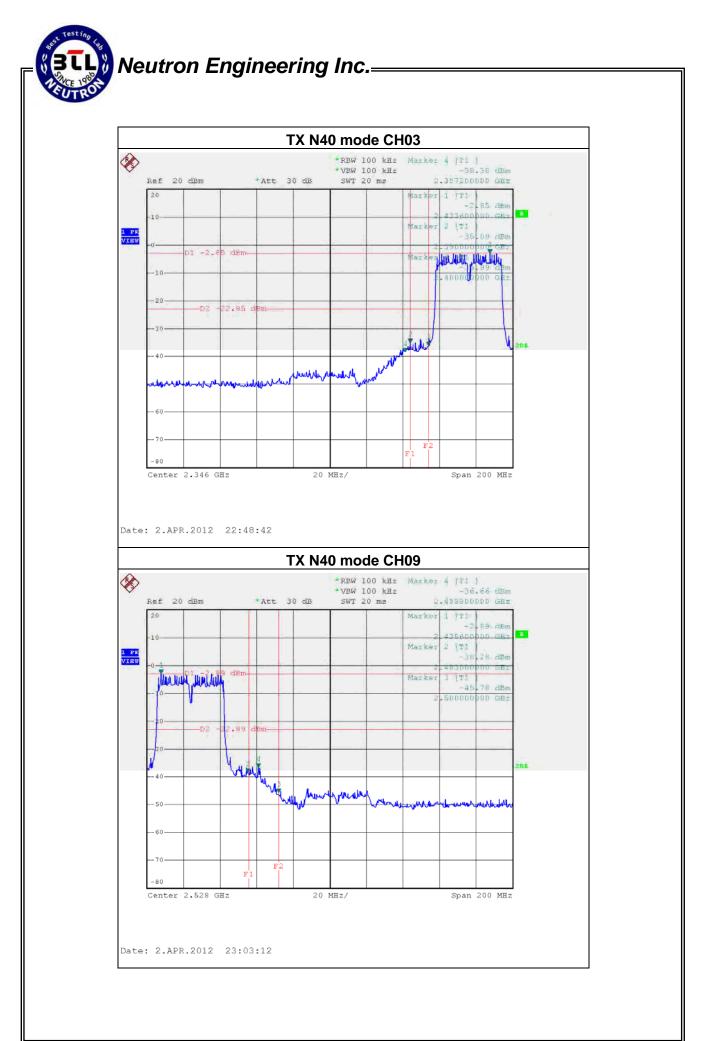


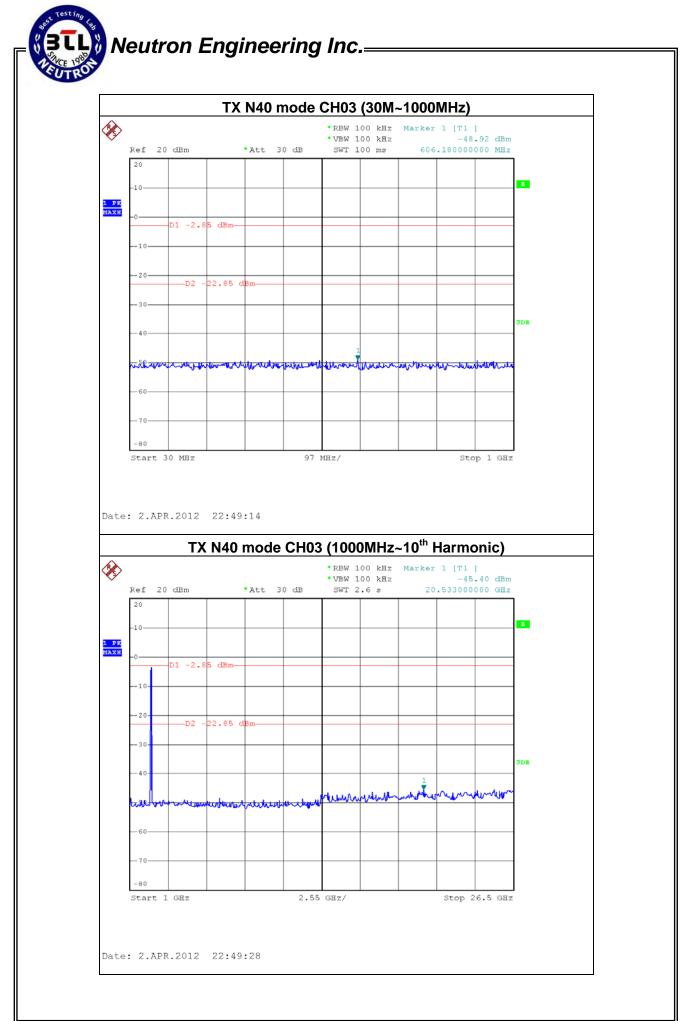


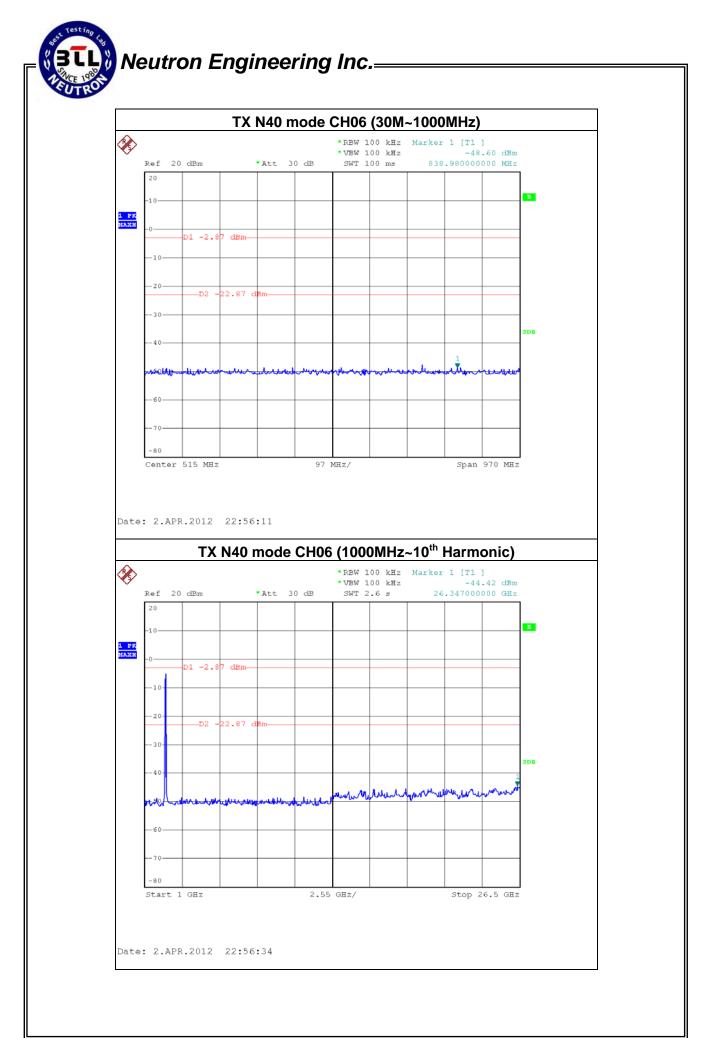
EUT :	Home Gateway	Model Name :	HG532s	
Temperature :	24 ℃	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	TX N-40M MODE /CH03, CH06, CH09 – ANT2			

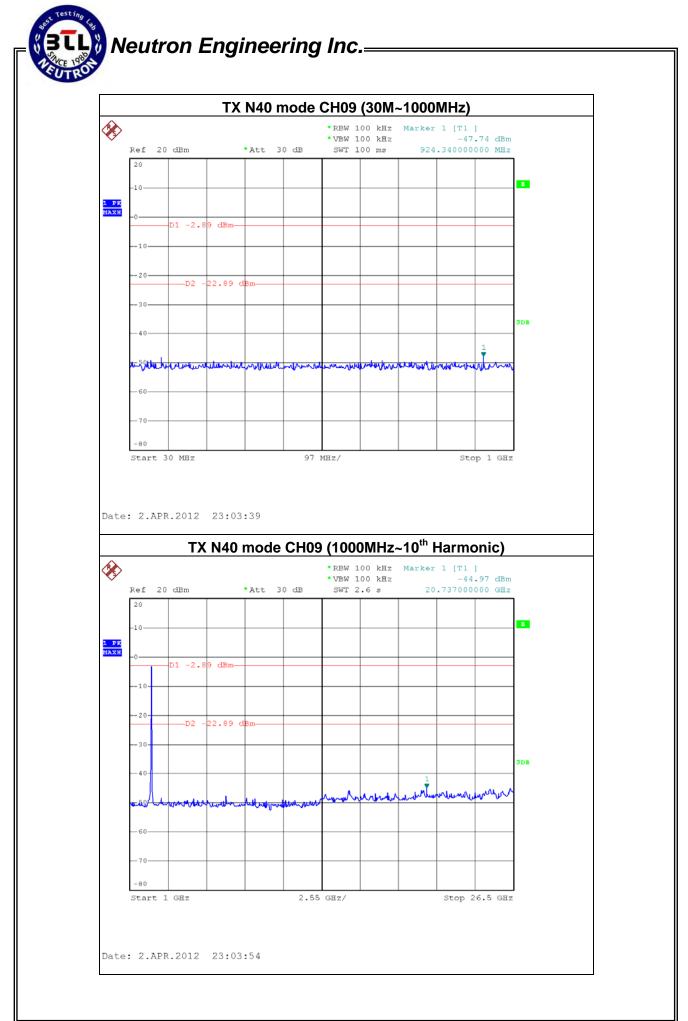
Channel of Worst Data: CH03					
The max. radio frequency power in any 100kHz bandwidth outside the frequency band bandwidth within the frequency band.					
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)		
2390.00 -35.09 2488.80 -36.66					
	Result				

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.









Neutron Engineering Inc.

8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS	

8.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100185	Nov.25.2012

Remark: " N/A" denotes No Model Name. , Serial No. or No Calibration specified.

8.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW=3KHz, VBW=30 KHz, Sweep time = 500s.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



8.1.5 EUT OPERATION CONDITIONS

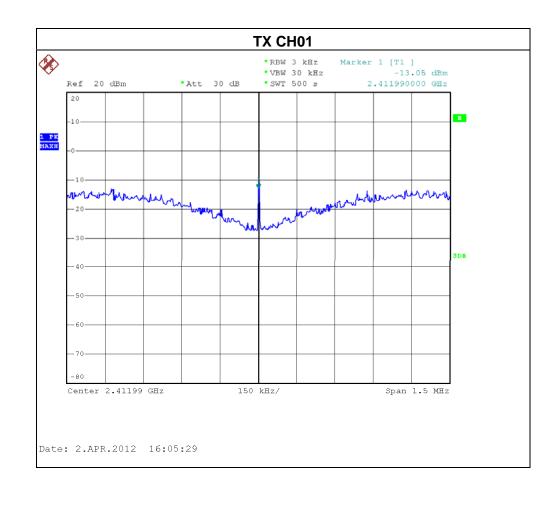
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

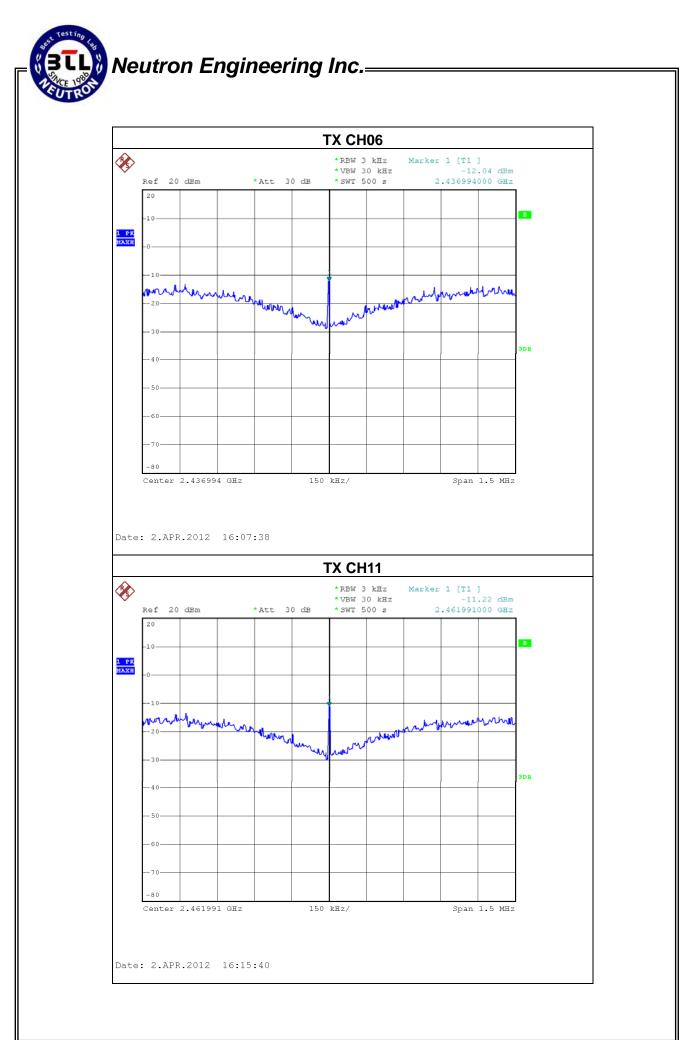


8.1.6 TEST RESULTS

EUT :	Home Gateway	Model Name :	HG532s	
Temperature :	24 ℃	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	TX B MODE /CH01, CH06, CH11			

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412 MHz	-13.05	8
CH06	2437 MHz	-12.04	8
CH11	2462 MHz	-11.22	8

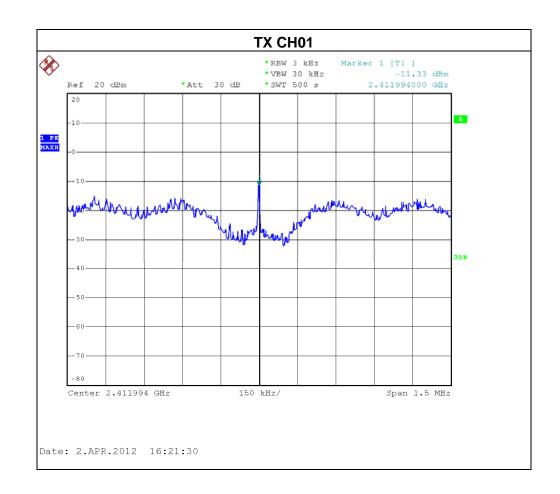


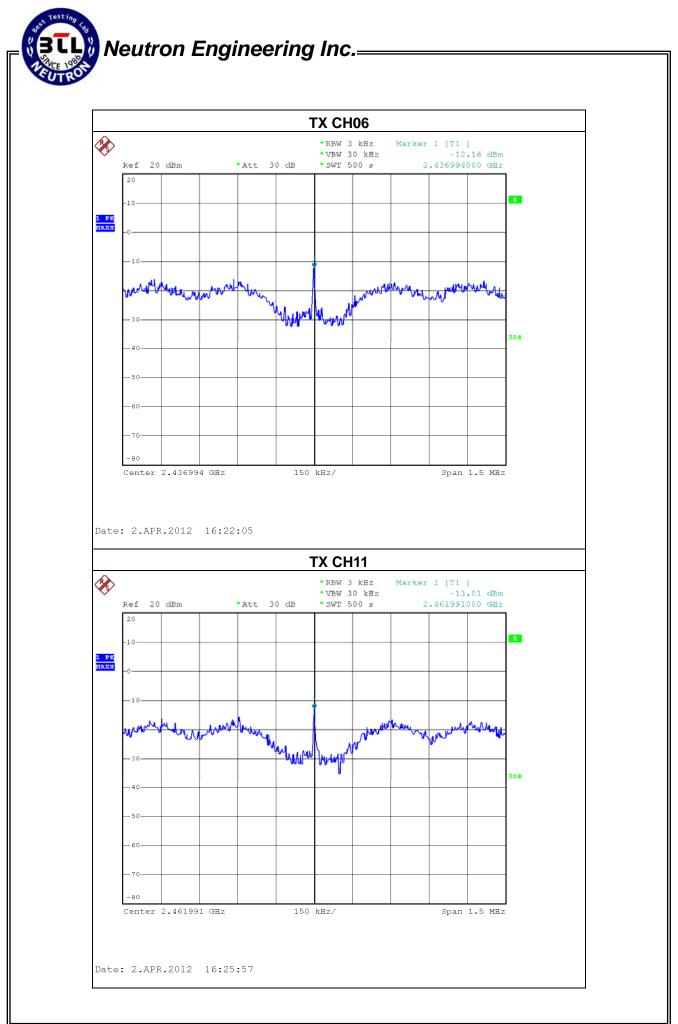




EUT :	Home Gateway	Model Name :	HG532s	
Temperature :	24 ℃	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	TX G MODE /CH01, CH06, CH11			

Frequency	Power Density	LIMIT
(MHz)	(dBm)	(dBm)
2412 MHz	-11.33	8
2437 MHz	-12.16	8
2462 MHz	-13.01	8
	(MHz) 2412 MHz 2437 MHz	(MHz) (dBm) 2412 MHz -11.33 2437 MHz -12.16

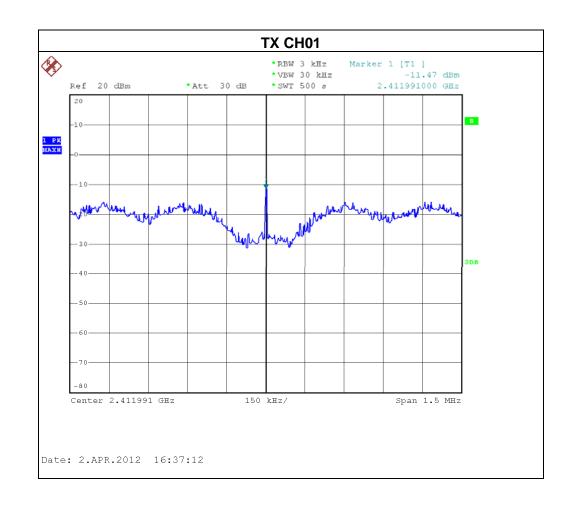


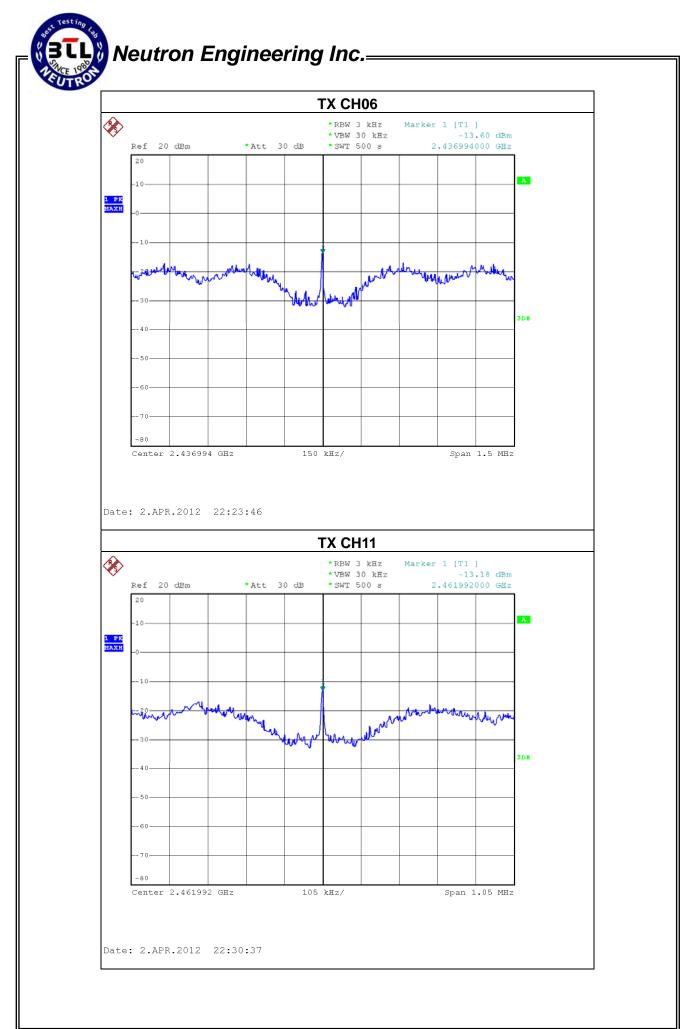




EUT :	Home Gateway	Model Name :	HG532s	
Temperature :	24 ℃	Relative Humidity :	60 %	
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz	
Test Mode :	e : TX N MODE-20MHz /CH01, CH06, CH11			

Test Channel	Frequency (MHz)	Power density (dBm)	LIMIT (dBm)	PASS/FAIL
CH01	2412	-11.47	8	PASS
CH06	2437	-13.60	8	PASS
CH11	2462	-13.18	8	PASS

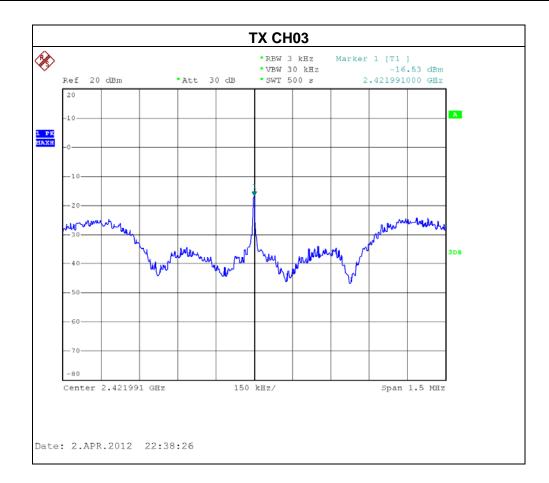


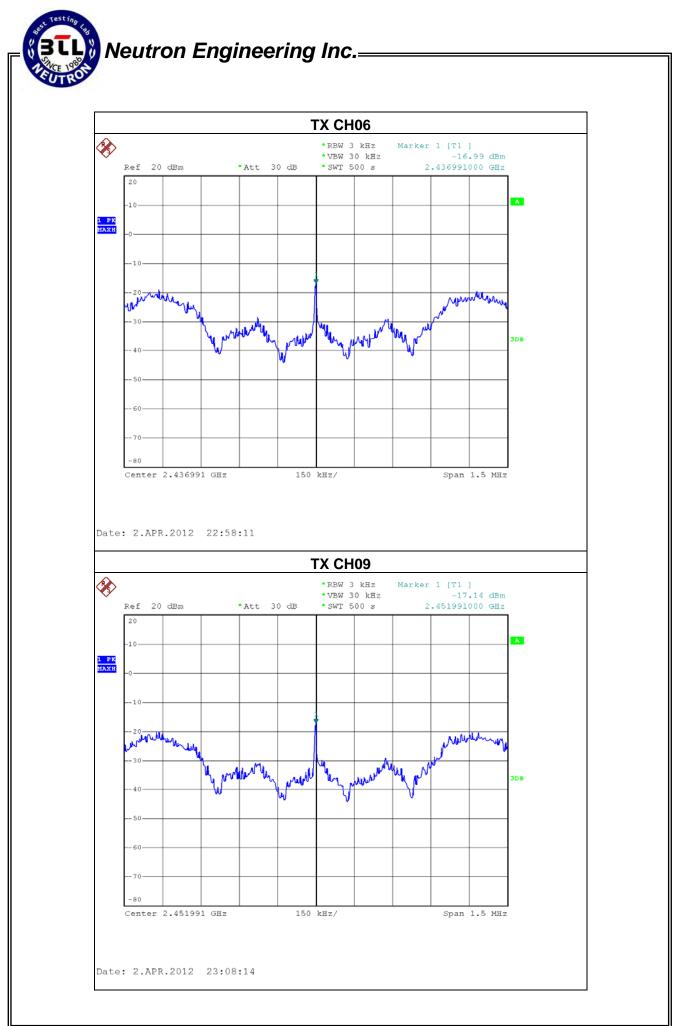




EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE-40MHz /CH03, CH06, CH09 – ANT1		

Test Channel	Frequency (MHz)	Power density (dBm)	LIMIT (dBm)	PASS/FAIL
CH03	2422	-16.53	8	PASS
CH06	2437	-16.99	8	PASS
CH09	2452	-17.14	8	PASS





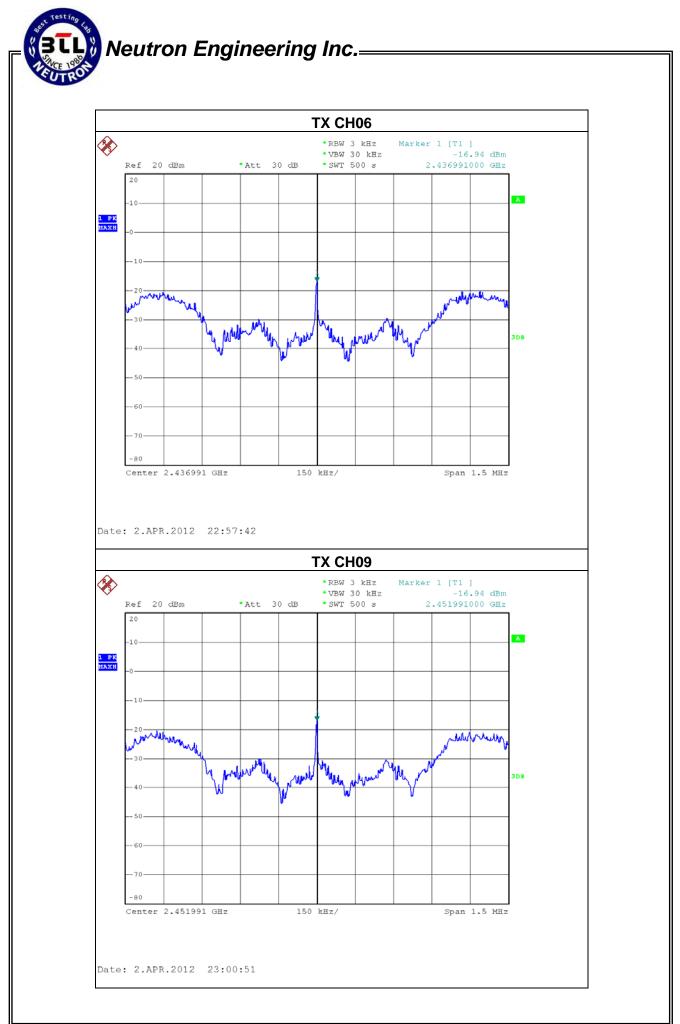
Report No.: NEI-FCCP-1-1202C219A



EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE-40MHz /CH03, CH06, CH09 – ANT2		

Test Channel	Frequency (MHz)	Power density (dBm)	LIMIT (dBm)	PASS/FAIL
CH03	2422	-17.47	8	PASS
CH06	2437	-16.94	8	PASS
CH09	2452	-16.94	8	PASS







EUT :	Home Gateway	Model Name :	HG532s
Temperature :	24 ℃	Relative Humidity :	60 %
Pressure :	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE-40MHz /CH03, CH06, CH09 - ANT1+ ANT2		

Maximum Power density

Test Channel	Frequency (MHz)	Power density (dBm)	LIMIT (dBm)	PASS/FAIL
CH03	2422 MHz	-13.96	7.8	PASS
CH06	2437 MHz	-13.95	7.8	PASS
CH09	2452 MHz	-14.03	7.8	PASS



9. EUT TEST PHOTO

Conducted Measurement Photos Normal Link - Adapter (S/N: HWUEAAB625XXXXX)







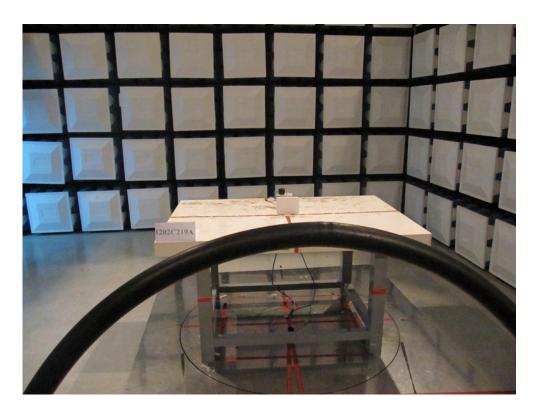
Conducted Measurement Photos Normal Link - Adapter (S/N: HWXQAAC22000012)

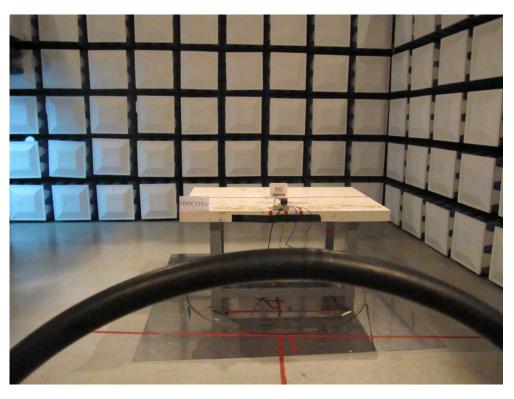






Radiated Measurement Photos 9KHz~30MHz







Radiated Measurement Photos 30MHz~1000MHz







Radiated Measurement Photos Above 1000MHz



