

Report No.: SZEM141000589301

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Nanshan

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FCC REPORT

Application No: SZEM1410005893CR

Applicant:Flyingvoice Technology Co., Ltd.Manufacturer:Flyingvoice Technology Co., Ltd.Factory:Flyingvoice Technology Co., Ltd.

Product Name: VolP Wireless Router

Model No.(EUT): G802P

Add Model No.: G802, G801P, G801A, G800P, G800A

FCC ID: 2AATVG802

Standards: 47 CFR Part 15, Subpart C (2014)

Date of Receipt: 2014-11-04

Date of Test: 2014-11-13 to 2015-01-04

Date of Issue: 2015-02-11

Test Result: PASS *

. * In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Jack Zhang EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.



Report No.: SZEM141000589301

Page: 2 of 181

2 Version

Revision Record					
Version	Chapter	Date	Modifier	Remark	
00		2015-02-11		Original	

Authorized for issue by:		
Tested By	Chris-3hong	2015-01-04
	(Chris Zhong) /Project Engineer	Date
Prepared By	Medy Wen	2015-02-11
	(Hedy Wen) /Clerk	Date
Checked By	Emen-Li	2015-02-11
	(Emen Li) /Reviewer	Date



Report No.: SZEM141000589301

Page: 3 of 181

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 2009	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 2009	PASS
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(3)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
6dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(2)	KDB558074 D01 v03r02	PASS
Power Spectral Density	47 CFR Part 15, Subpart C Section 15.247 (e)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
Radiated Spurious Emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2009	PASS
Restricted bands around fundamental frequency (Radiated Emission) 47 CFR Part 15, Subpart 0 15.205/15.209		ANSI C63.10 2009	PASS

Remark:

1) Model No.: G802P, G802, G801P, G801A, G800P, G800A.

Only the model G802P was tested, since the circuitry design, PCB layout, electrical components used, internal wiring and functions were identical for all above models. Only different on model number, color and decorations.

2)Other than **AC Power Line Conducted Emission** and **Radiated Spurious Emissions** items, through pre-scan all adapter and find the **No.: SW36-12003000-W** adapter which is the worst case, so only this adapter is used during those test and only this adapter test data include in this report.



Report No.: SZEM141000589301

Page: 4 of 181

4 Contents

			Page
1	COV	/ER PAGE	1
2	VER	RSION	2
3	TES	ST SUMMARY	3
4	100	NTENTS	4
5	GEN	NERAL INFORMATION	5
•	5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 5.10	CLIENT INFORMATION GENERAL DESCRIPTION OF EUT TEST ENVIRONMENT AND MODE DESCRIPTION OF SUPPORT UNITS TEST LOCATION TEST FACILITY DEVIATION FROM STANDARDS ABNORMALITIES FROM STANDARD CONDITIONS OTHER INFORMATION REQUESTED BY THE CUSTOMER EQUIPMENT LIST TRESULTS AND MEASUREMENT DATA	
6	6.1 6.2 6.3 6.4	ANTENNA REQUIREMENT	13 14
	6.5 6.6 6.7 6.8	POWER SPECTRAL DENSITY BAND-EDGE FOR RF CONDUCTED EMISSIONS. RF CONDUCTED SPURIOUS EMISSIONS. RADIATED SPURIOUS EMISSIONS. 1 Radiated emission below 1GHz.	66 71 96
	<i>6.8.2</i> 6.9		123



Report No.: SZEM141000589301

Page: 5 of 181

5 General Information

5.1 Client Information

Applicant:	Flyingvoice Technology Co., Ltd.
Address of Applicant:	Room 202, Chuangxin Bldg A#. No.12 Hongda North Rd, BDA, Beijing, China
Manufacturer:	Flyingvoice Technology Co., Ltd.
Address of Manufacturer:	Room 202, Chuangxin Bldg A#. No.12 Hongda North Rd, BDA, Beijing, China
Factory:	Flyingvoice Technology Co., Ltd.
Address of Factory:	Room 202, Chuangxin Bldg A#. No.12 Hongda North Rd, BDA, Beijing, China

5.2 General Description of EUT

Product Name:	VoIP Wireless Router		
Model No.:	G802P		
Operation Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz		
	IEEE 802.11n(HT40): 2422MHz to 2452MHz		
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n(HT20): 11 Channels		
	IEEE 802.11n(HT40): 7 Channels		
Channel Separation:	5MHz		
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK)		
	IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK)		
	IEEE for 802.11n(HT20 and HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK)		
Sample Type:	Fixed production		
Antenna Type:	Integral		
Antenna Gain:	5dBi		
Power Supply:	M/N: WHF-1200300T3		
	Input: AC 100-240V; 50/60Hz, 1.0A		
	Output: DC 12V 3.0A		
	M/N: SW36-12003000-W		
	Input: AC 100-240V; 50/60Hz, 1.5A		
	Output: DC 12V, 3.0A		
	M/N: S24B12-120A200-Y4		
	Input: AC 100-240V; 50/60Hz, 0.7A		
	Output: DC 12V, 2A		
	M/N: F12W3-120100SPAU		
	Input: AC 100-240V; 50/60Hz, 0.3A		
	Output: DC 12V, 1A		
DC output cable:	140cm (Unshielded) (MODEL: S24B12-120A200-Y4)		



Report No.: SZEM141000589301

Page: 6 of 181

DC output cable :	144cm Unshielded with a ferrite core (MODEL: SW36-12003000-W)	
DC output cable:	148cm (Unshielded) (MODEL: F12W3-120100SPAU)	
DC output cable :	146cm Unshielded (MODEL: WHF-1200300T3)	



Report No.: SZEM141000589301

Page: 7 of 181

Operation Frequency each of channel(802.11b/g/n HT20)												
Channel	Fr	equency	Channe	I Frequency	Channel	Fre	Frequency		quency Channe		nnel	Frequency
1	24	112MHz	4	2427MHz	7	244	12MHz	10)	2457MHz		
2	24	417MHz	5	2432MHz	8	244	17MHz	11	1	2462MHz		
3	24	122MHz	6	2437MHz	9	245	52MHz					
Operation F	Operation Frequency each of channel(802.11n HT40)											
Channe	Channel Frequency Channel Frequency Channel Frequence				Frequency							
1		2422	ИНz	4	2437MH	2437MHz		7		2452MHz		
2		2427	MHz	5	2442MF	lz						
3		2432	MHz	6	2447MH	lz						

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11b/g/n (HT20):

Channel	Frequency		
The Lowest channel	2412MHz		
The Middle channel	2437MHz		
The Highest channel	2462MHz		

For 802.11n (HT40):

Channel	Frequency	
The Lowest channel	2422MHz	
The Middle channel	2437MHz	
The Highest channel	2452MHz	



Report No.: SZEM141000589301

Page: 8 of 181

5.3 Test Environment and Mode

Operating Environment:				
Temperature:	24.0 °C			
Humidity:	52 % RH			
Atmospheric Pressure:	1008 mbar			
Test mode:				
Transmitting mode: Keep the EUT in transmitting mode with all kind of modulation and all				
kind of data rate.				
Note: During the test, we use the PC to configure the power, modulation, data rate and channels.				

5.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	
PC	Supply by client	DCSM	
Lan cable	Supply by SGS	N/A	
Mouse	IBM	MO28UO	
Keyboard	IBM	KB-0225	
Phone(Just used for Conducted Emission and Radiated Spurious	PHILIPS	HCD1888(11)TSD	
Emissions test items)			

5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.



Report No.: SZEM141000589301

Page: 9 of 181

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

VCCI

The 10m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

Industry Canada (IC)

Two 3m Semi-anechoic chambers of SGS-CSTC Standards Technical Services Co., Ltd. have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1 & 4620C-2.

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.



Report No.: SZEM141000589301

Page: 10 of 181

5.10Equipment List

	Conducted Emission	n			
Item	Test Equipment	Manufacturer Model No		Inventory No.	Cal.Due date (yyyy-mm-dd)
1	Shielding Room	ZhongYu Electron	GB-88	SEL0042	2015-06-10
2	LISN	Rohde & Schwarz	ENV216	SEL0152	2015-10-24
3	LISN	ETS-LINDGREN	3816/2	SEL0021	2015-05-16
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN- T8-02	SEL0162	2015-08-30
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN- T4-02	SEL0163	2015-08-30
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN- T2-02	SEL0164	2015-08-30
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	2015-05-16
8	Coaxial Cable	SGS	N/A	SEL0025	2015-05-29
9	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
10	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24
11	Barometer	Chang Chun	DYM3	SEL0088	2015-05-16



Report No.: SZEM141000589301

Page: 11 of 181

	RE in Chamber				
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2015-06-10
2	EMI Test Receiver	Agilent Technologies	N9038A	SEL0312	2015-09-16
3	EMI Test software	AUDIX	E3	SEL0050	N/A
4	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2015-10-24
5	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2015-10-24
6	Horn Antenna (18-26GHz)	ETS-LINDGREN	G-LINDGREN 3160 SE		2015-10-24
7	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2015-05-16
8	Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEL0168	2015-10-24
9	Coaxial cable	SGS	N/A	SEL0027	2015-05-29
10	Coaxial cable	SGS	N/A	SEL0189	2015-05-29
11	Coaxial cable	SGS	N/A	SEL0121	2015-05-29
12	Coaxial cable	SGS	N/A	SEL0178	2015-05-29
13	Band filter	Amindeon	82346	SEL0094	2015-05-16
14	Barometer	Chang Chun	DYM3	SEL0088	2015-05-16
15	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
16	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24
17	Signal Generator (10M-27GHz)	Rohde & Schwarz	SMR27	SEL0067	2015-05-16
18	Signal Generator	Rohde & Schwarz	SMY01	SEL0155	2015-10-24
19	Loop Antenna	Beijing Daze	ZN30401	SEL0203	2015-06-04



Report No.: SZEM141000589301

Page: 12 of 181

	RF connected test				
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Due date (yyyy-mm-dd)
1	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
2	Humidity/ Temperature Indicator	HYGRO	ZJ1-2B	SEL0033	2015-10-24
3	Spectrum Analyzer	Rohde & Schwarz	FSP	SEL0154	2015-10-24
4	Coaxial cable	SGS	N/A	SEL0178	2015-05-29
5	Coaxial cable	SGS	N/A	SEL0179	2015-05-29
6	Barometer	ChangChun	DYM3	SEL0088	2015-05-16
7	Signal Generator	Rohde & Schwarz	SML03	SEL0068	2015-05-16
8	Band filter	amideon	82346	SEL0094	2015-05-16
9	POWER METER	R&S	NRVS	SEL0144	2015-10-24
10	Attenuator	Beijin feihang taida	TST-2-6dB	SEL0205	2015-05-16
11	Power Divider(splitter)	Agilent Technologies	11636B	SEL0130	2015-10-24

Note: The calibration interval is one year, all the instruments are valid.





Report No.: SZEM141000589301

Page: 13 of 181

6 Test results and Measurement Data

6.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

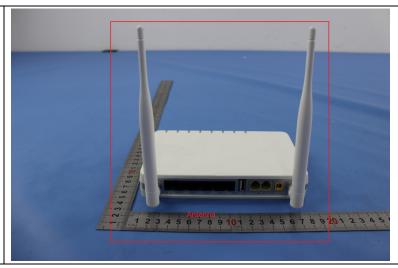
15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is integral antenna and no consideration of replacement. The best case gain of the antenna is 5dBi.



Report No.: SZEM141000589301

Page: 14 of 181

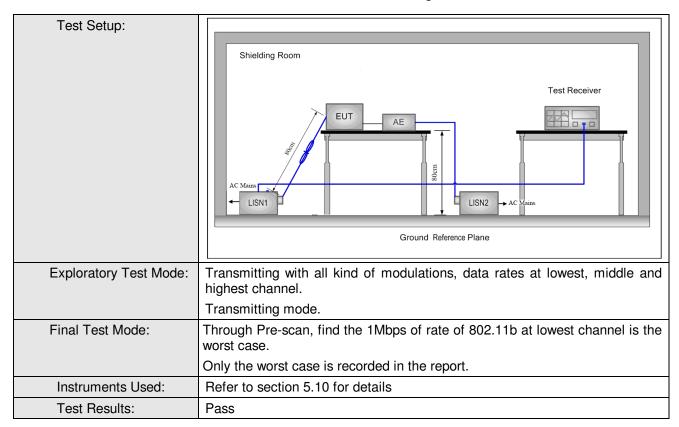
6.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207						
Test Method:	ANSI C63.10: 2009						
Test Frequency Range:	150kHz to 30MHz						
Limit:	F.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Limit (d	IBuV)				
	Frequency range (MHz)	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithr	n of the frequency.		•			
Test Procedure:	 The mains terminal disturb room. The EUT was connected Impedance Stabilization linear impedance. The possible connected to a second reference plane in the semeasured. A multiple soon power cables to a single exceeded. The tabletop EUT was plat ground reference plane. was placed on the horizon The test was performed where of the EUT shall be 0.4 minuted on the control of the between the closest points the EUT and associated experiences. In order to find the minute equipment and all of the ANSI C63.10: 2009 on control or control of the c	to AC power source Network) which provious cables of all othe LISN 2, which was same way as the LIS cket outlet strip was utilish provided the rational ced upon a non-metall And for floor-standing tal ground reference plane was bonded to plane was bonded to a ground reference plane of the LISN 1 and the quipment was at least (aximum emission, the interface cables must least (aximum emission, the power cables of the LISN 1 and the quipment was at least (aximum emission, the power cables must least (aximum emission, the power cables of the LISN 1 and the quipment was at least (aximum emission, the power cables of the LISN 1 and the quipment was at least (aximum emission, the power cables of the LISN 1 and the quipment was at least (aximum emission, the power cables of the LISN 1 and the quipment was at least (aximum emission, the power cables of the LISN 1 and the quipment was at least (aximum emission, the power cables).	through a LISN 1 (des a 50Ω/50μH + r units of the EUT v bonded to the grown of the LISN was lice table 0.8m above a arrangement, the lane. The horizontal grown of the horizontal grown the boundary of the EUT. All other units and reference plane for LI ane. This distance is EUT. All other units and relative positions be changed according to the horizontal grown the boundary of the horizontal grown of the horizontal grown the boundary of the eutiliane. This distance is EUT. All other units and the changed according to the horizontal grown of the horizon	Line 5Ω were bund being ltiple is not expected the EUT rear The bund if the ISNs was ts of 2. s of			



Report No.: SZEM141000589301

Page: 15 of 181



Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

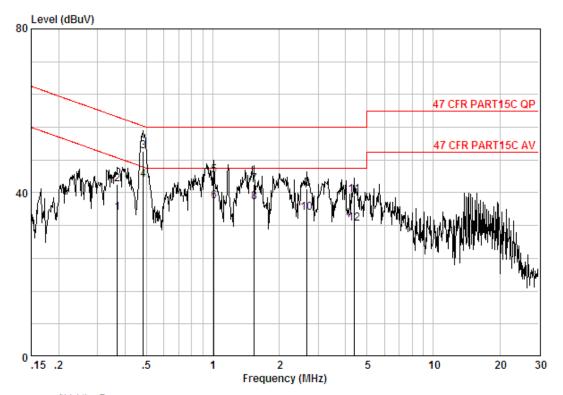


Report No.: SZEM141000589301

Page: 16 of 181

For adapter No.: F12W3-120100SPAU

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2412TX

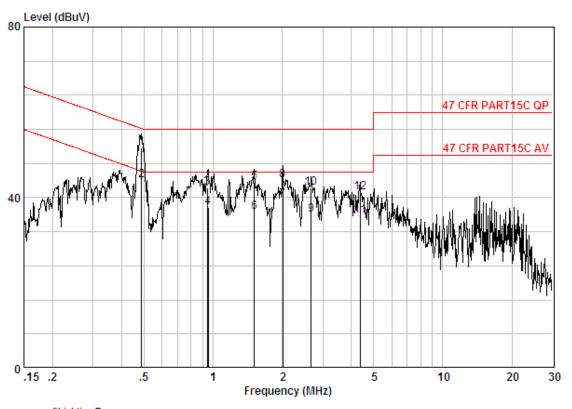
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.36920	0.01	9.77	25.38	35.17	48.52	-13.35	Average
2	0.36920	0.01	9.77	32.38	42.16	58.52	-16.36	QP
3	0.48375	0.01	9.80	40.42	50.23	56.27	-6.04	QP
4	0.48375	0.01	9.80	33.39	43.20	46.27	-3.07	Average
5	1.010	0.02	9.80	34.53	44.35	56.00	-11.65	QP
6	1.010	0.02	9.80	28.06	37.88	46.00	-8.12	Average
7	1.544	0.02	9.80	32.27	42.09	56.00	-13.91	QP
8	1.544	0.02	9.80	27.86	37.68	46.00	-8.32	Average
9	2.678	0.02	9.83	31.11	40.96	56.00	-15.04	QP
10	2.678	0.02	9.83	25.31	35.16	46.00	-10.84	Average
11	4.361	0.01	9.88	29.50	39.40	56.00	-16.60	QP
12	4.361	0.01	9.88	22.62	32.51	46.00	-13.49	Average



Report No.: SZEM141000589301

Page: 17 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2412TX

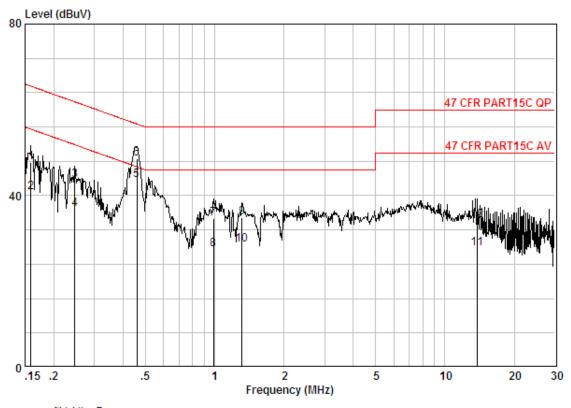
	Fnor	Cable	LISN Factor	Read	T 1	Limit	Over	Damania
	Freq	TOSS	ractor	rever	rever	Line	LIMIL	Kemark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.48890	0.01	9.80	41.84	51.65	56.19	-4.54	QP
2 @	0.48890	0.01	9.80	34.18	43.99	46.19	-2.19	Average
3	0.94308	0.02	9.80	32.51	42.33	56.00	-13.68	QP
4	0.95313	0.02	9.80	27.81	37.63	46.00	-8.37	Average
5	1.511	0.02	9.80	33.71	43.53	56.00	-12.47	QP
6	1.511	0.02	9.80	26.86	36.68	46.00	-9.32	Average
7	2.012	0.02	9.80	29.67	39.49	46.00	-6.51	Average
8	2.012	0.02	9.80	34.27	44.09	56.00	-11.91	QP
9	2.678	0.02	9.83	26.15	36.00	46.00	-10.00	Average
10	2.678	0.02	9.83	32.36	42.21	56.00	-13.79	QP
11	4.361	0.01	9.88	25.79	35.69	46.00	-10.31	Average
12	4.361	0.01	9.88	31.33	41.23	56.00	-14.77	QP



Report No.: SZEM141000589301

Page: 18 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2437 TX mode

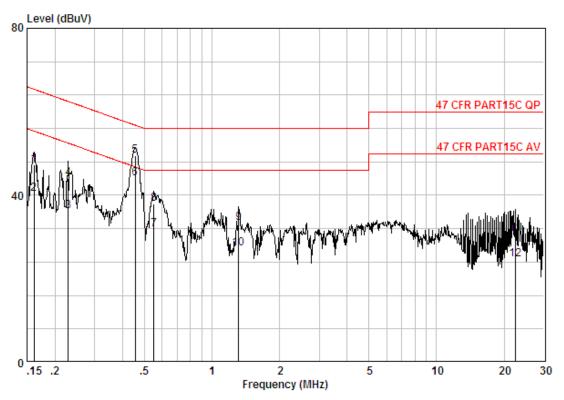
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15900	0.02	9.70	38.03	47.75	65.52	-17.77	QP
2	0.15900	0.02	9.70	31.05	40.77	55.52	-14.75	Average
3	0.24682	0.02	9.70	33.98	43.70	61.86	-18.17	QP
4	0.24682	0.02	9.70	27.20	36.92	51.86	-14.95	Average
5 @	0.45878	0.01	9.80	33.75	43.56	46.71	-3.15	Average
6	0.45878	0.01	9.80	38.84	48.65	56.71	-8.06	QP
7	0.98914	0.02	9.80	24.81	34.63	56.00	-21.37	QP
8	0.98914	0.02	9.80	17.73	27.55	46.00	-18.45	Average
9	1.317	0.02	9.80	24.96	34.78	56.00	-21.23	QP
10	1.317	0.02	9.80	18.80	28.62	46.00	-17.38	Average
11	13.841	0.01	10.06	17.53	27.60	50.00	-22.40	Average
12	13.841	0.01	10.06	24.16	34.24	60.00	-25.76	QP



Report No.: SZEM141000589301

Page: 19 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2437 TX mode

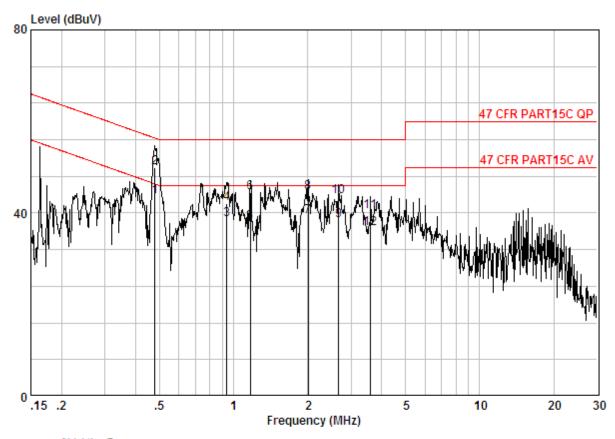
	Freq	Cable Loss	LISN Factor	Read Level		Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16155	0.02	9.70	37.56	47.28	65.38	-18.10	QP
2	0.16155	0.02	9.70	30.56	40.28	55.38	-15.10	Average
3	0.22918	0.02	9.70	26.36	36.08	52.48	-16.40	Average
4	0.22918	0.02	9.70	34.36	44.08	62.48	-18.40	QP
5	0.45600	0.01	9.80	39.60	49.41	56.77	-7.35	QP
6 @	0.45600	0.01	9.80	34.30	44.11	46.77	-2.66	Average
7	0.55226	0.01	9.80	22.07	31.88	46.00	-14.12	Average
8	0.55226	0.01	9.80	28.07	37.88	56.00	-18.12	QP
9	1.317	0.02	9.80	23.46	33.28	56.00	-22.72	QP
10	1.317	0.02	9.80	17.46	27.28	46.00	-18.72	Average
11	22.416	0.02	10.10	20.54	30.66	60.00	-29.34	QP
12	22.416	0.02	10.10	14.54	24.66	50.00	-25.34	Average



Report No.: SZEM141000589301

Page: 20 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2462TX

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.47865	0.01	9.80	33.83	43.64		-2.72	Average
2	0.47865	0.01	9.80	40.07	49.88	56.36	-6.48	QP
3	0.93810	0.02	9.80	28.84	38.66	46.00	-7.34	Average
4	0.93810	0.02	9.80	32.26	42.08	56.00	-13.92	QP
5	1.172	0.02	9.80	28.16	37.98	46.00	-8.02	Average
6	1.172	0.02	9.80	34.65	44.47	56.00	-11.53	QP
7	2.012	0.02	9.80	29.51	39.33	46.00	-6.67	Average
8	2.012	0.02	9.80	34.58	44.40	56.00	-11.60	QP
9	2.678	0.02	9.83	28.46	38.31	46.00	-7.69	Average
10	2.678	0.02	9.83	33.77	43.62	56.00	-12.38	QP
11	3.603	0.02	9.86	30.46	40.34	56.00	-15.66	QP
12	3.603	0.02	9.86	26.82	36.70	46.00	-9.30	Average

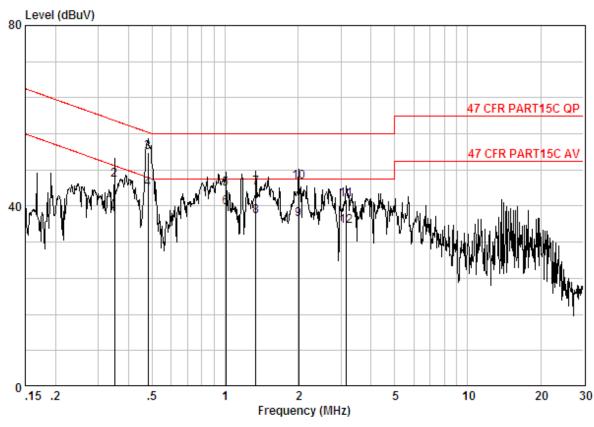




Report No.: SZEM141000589301

Page: 21 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2462TX

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.35015	0.01	9.75	27.83	37.59	48.96	-11.37	Average
2		0.35015	0.01	9.75	36.11	45.87	58.96	-13.09	QP
3		0.48119	0.01	9.80	42.08	51.89	56.32	-4.43	QP
4	@	0.48119	0.01	9.80	34.11	43.92	46.32	-2.40	Average
5		1.005	0.02	9.80	34.09	43.91	56.00	-12.09	QP
6		1.005	0.02	9.80	29.79	39.61	46.00	-6.39	Average
7		1.338	0.02	9.80	34.14	43.96	56.00	-12.04	QP
8		1.338	0.02	9.80	27.81	37.63	46.00	-8.37	Average
9		2.012	0.02	9.80	27.25	37.07	46.00	-8.93	Average
10		2.012	0.02	9.80	35.51	45.33	56.00	-10.67	QP
11		3.156	0.02	9.85	31.45	41.31	56.00	-14.69	QP
12		3.156	0.02	9.85	25.58	35.45	46.00	-10.55	Average

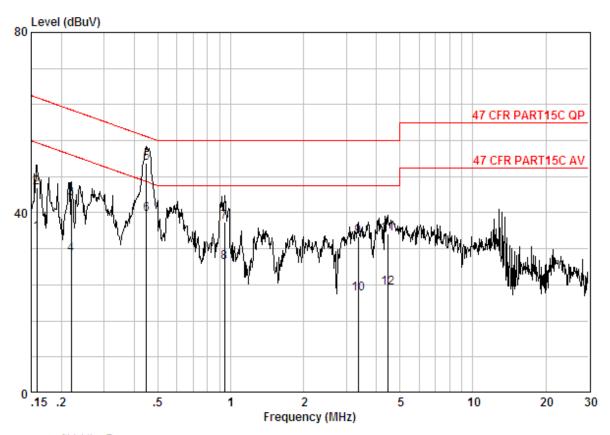


Report No.: SZEM141000589301

Page: 22 of 181

For adapter No.: S24B12-120A200-Y4

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2412TX

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark	
	MHz	dB	dB	dBuV	dBuV	dBuV	dB		
1	0.15816	0.02	9.70	25.82	35.54	55.56	-20.02	Average	
2	0.15816	0.02	9.70	35.81	45.53	65.56	-20.03	QP	
3	0.21967	0.02	9.70	33.54	43.26	62.83	-19.57	QP	
4	0.21967	0.02	9.70	21.04	30.76	52.83	-22.07	Average	1
5 @	0.44916	0.01	9.80	41.27	51.08	56.89	-5.81	QP	1/5
6 @	0.44916	0.01	9.80	29.91	39.72	46.89	-7.17	Average	11.
7	0.94308	0.02	9.80	28.09	37.91	56.00	-18.09	QP	1/00/
8	0.94308	0.02	9.80	19.09	28.91	46.00	-17.09	Average	9
9	3.364	0.02	9.86	24.86	34.73	56.00	-21.27	QP	(0)
10	3.364	0.02	9.86	12.03	21.91	46.00	-24.09	Average	100
11	4.454	0.01	9.89	25.48	35.38	56.00	-20.62	QP	Mo.
12	4.454	0.01	9.89	13.49				Average	



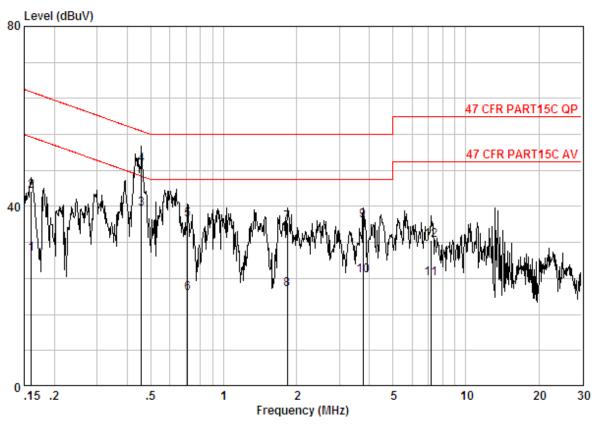




Report No.: SZEM141000589301

Page: 23 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2412TX

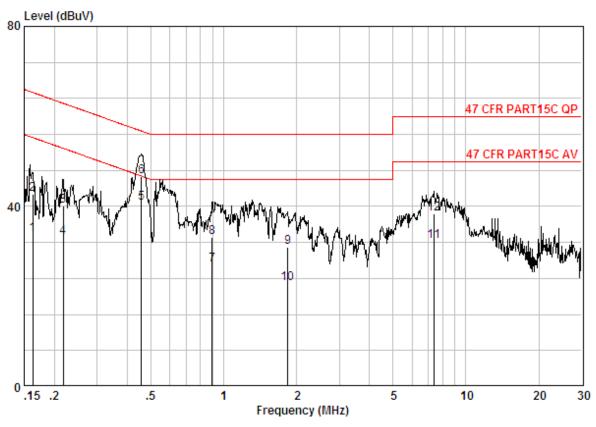
		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.16070	0.02	9.70	19.70	29.42	55.43	-26.01	Average
2		0.16070	0.02	9.70	33.68	43.40	65.43	-22.02	QP
3	@	0.45636	0.01	9.80	29.69	39.50	46.76	-7.25	Average
4	@	0.45636	0.01	9.80	39.38	49.19	56.76	-7.57	QP
5		0.70842	0.02	9.80	27.15	36.97	56.00	-19.03	QP
6		0.70842	0.02	9.80	10.82	20.64	46.00	-25.36	Average
7		1.829	0.02	9.80	26.52	36.34	56.00	-19.66	QP
8		1.829	0.02	9.80	11.80	21.62	46.00	-24.38	Average
9		3.759	0.02	9.87	26.98	36.86	56.00	-19.14	QP
10		3.759	0.02	9.87	14.84	24.73	46.00	-21.27	Average
11		7.213	0.01	10.00	13.99	24.00	50.00	-26.00	Average
12		7.213	0.01	10.00	22.57	32.58	60.00	-27.42	QP



Report No.: SZEM141000589301

Page: 24 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2437 TX mode

Ada

-104	Freq	Cable Loss	LISN Factor	Read Level		Limit Line dBuV	Over Limit	Remark
				uzu.	u.u.	abu.		
1	0.16241	0.02	9.70	23.97	33.69	55.34	-21.65	Average
2	0.16241	0.02	9.70	32.90	42.62	65.34	-22.72	QP
3	0.21735	0.02	9.70	30.31	40.03	62.92	-22.89	QP
4	0.21735	0.02	9.70	23.39	33.11	52.92	-19.81	Average
5	0.45636	0.01	9.80	30.99	40.80	46.76	-5.96	Average
6	0.45636	0.01	9.80	36.90	46.71	56.76	-10.05	QP
7	0.89441	0.02	9.80	17.21	27.03	46.00	-18.97	Average
8	0.89441	0.02	9.80	23.23	33.05	56.00	-22.95	QP
9	1.839	0.02	9.80	21.05	30.87	56.00	-25.13	QP
10	1.839	0.02	9.80	13.00	22.82	46.00	-23.18	Average
11	7.407	0.01	9.90	22.42	32.33	50.00	-17.67	Average
12	7.407	0.01	9.90	28.47	38.38	60.00	-21.62	QP

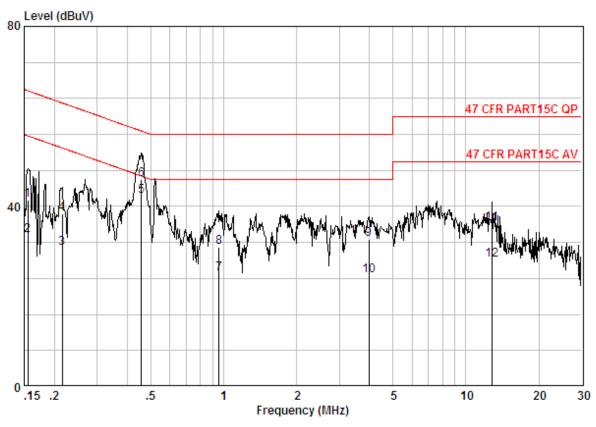




Report No.: SZEM141000589301

Page: 25 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2437 TX mode

Ada

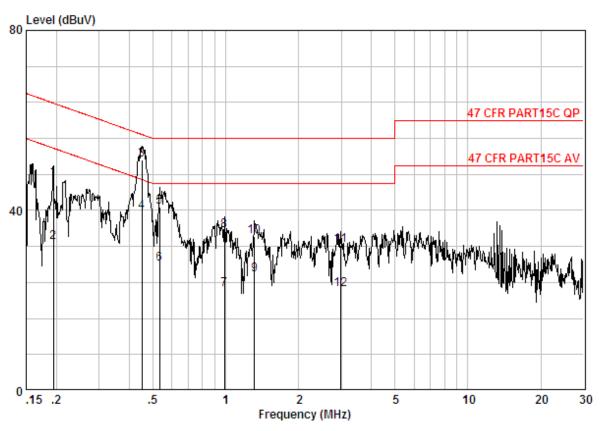
		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.15567	0.02	9.70	31.71	41.43	65.69	-24.27	QP
2		0.15567	0.02	9.70	23.78	33.50	55.69	-22.19	Average
3		0.21506	0.02	9.70	21.04	30.76	53.01	-22.25	Average
4		0.21506	0.02	9.70	28.60	38.32	63.01	-24.69	QP
5	@	0.45636	0.01	9.80	32.51	42.32	46.76	-4.44	Average
6		0.45636	0.01	9.80	36.11	45.92	56.76	-10.83	QP
7		0.95819	0.02	9.80	15.27	25.09	46.00	-20.91	Average
8		0.95819	0.02	9.80	21.22	31.04	56.00	-24.96	QP
9		3.985	0.02	9.88	22.81	32.71	56.00	-23.29	QP
10		3.985	0.02	9.88	14.79	24.68	46.00	-21.32	Average
11		12.852	0.01	10.00	26.07	36.08	60.00	-23.92	QP
12		12.852	0.01	10.00	18.02	28.03	50.00	-21.97	Average



Report No.: SZEM141000589301

Page: 26 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2462TX

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.19447	0.02	9.70	37.45	47.17	63.84	-16.67	QP
2		0.19447	0.02	9.70	23.14	32.86	53.84	-20.98	Average
3	@	0.45155	0.01	9.80	41.51	51.32	56.85	-5.53	QP
4	@	0.45155	0.01	9.80	29.80	39.61	46.85	-7.24	Average
5		0.53215	0.01	9.80	31.01	40.82	56.00	-15.18	QP
6		0.53215	0.01	9.80	18.21	28.02	46.00	-17.98	Average
7		0.98914	0.02	9.80	12.66	22.48	46.00	-23.52	Average
8		0.98914	0.02	9.80	25.72	35.54	56.00	-20.46	QP
9		1.317	0.02	9.80	15.80	25.62	46.00	-20.38	Average
10		1.317	0.02	9.80	24.35	34.17	56.00	-21.83	QP
11		2.993	0.02	9.84	22.41	32.27	56.00	-23.73	QP
12		2.993	0.02	9.84	12.50	22.37	46.00	-23.63	Average

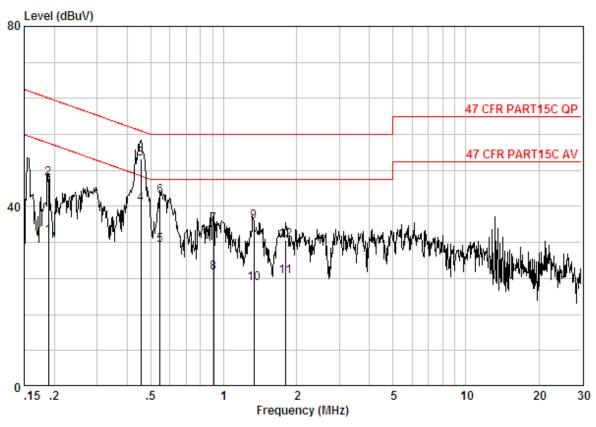




Report No.: SZEM141000589301

Page: 27 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2462TX

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 2		0.18938	0.02	9.70 9.70	23.59	33.31 46.22		-20.75 -17.85	Average
3	@ @	0.45395	0.01	9.80	40.81	50.62	56.80	-6.18	~
5		0.54644	0.01	9.80	21.68		46.00	-14.51	Average
7		0.90874 0.90874	0.02	9.80 9.80	26.18	36.00 25.18	56.00	-20.00	~
9 10		1.331 1.331	0.02	9.80 9.80		36.57 22.87		-19.43 -23.13	QP Average
11 12		1.810 1.810	0.02	9.80 9.80	14.64 22.61	24.46 32.43		-21.54 -23.57	Average QP

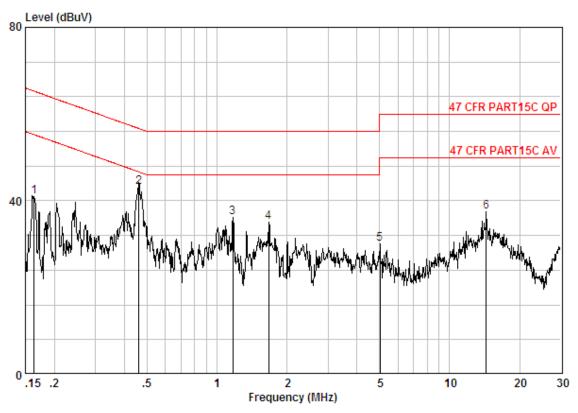


Report No.: SZEM141000589301

Page: 28 of 181

For adapter No.: SW36-12003000-W

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE LINE

Job.No : 5893CR Mode : 2412TX

: SW36-12003000-W

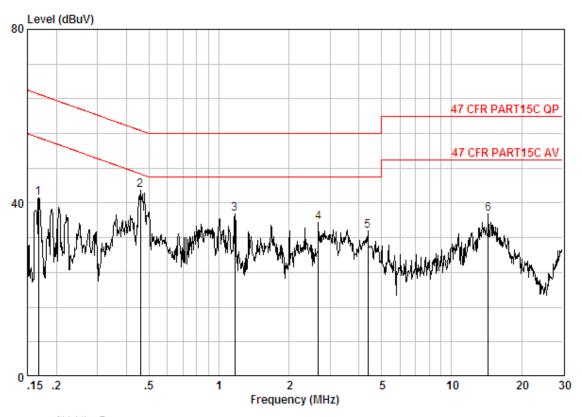
	Freq	Cable	LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16327	0.02	9.70	31.19	40.91	55.30	-14.39	Peak
2 @	0.46122	0.01	9.80	33.35	43.16	46.67	-3.51	Peak
3	1.172	0.02	9.80	26.35	36.17	46.00	-9.83	Peak
4	1.671	0.02	9.80	25.22	35.04	46.00	-10.96	Peak
5	5.031	0.01	9.90	20.07	29.98	50.00	-20.02	Peak
6	14.364	0.01	10.08	27.38	37.47	50.00	-12.53	Peak



Report No.: SZEM141000589301

Page: 29 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE NEUTRAL

Job.No : 5893CR Mode : 2412TX

: SW36-12003000-W

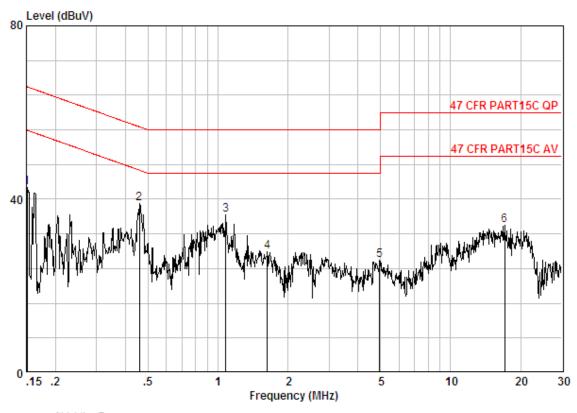
	Freq		LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16765	0.02	9.70	31.56	41.28	55.08	-13.80	Peak
2 @	0.45878	0.01	9.80	33.09	42.90	46.71	-3.82	Peak
3	1.172	0.02	9.80	27.59	37.41	46.00	-8.59	Peak
4	2.678	0.02	9.83	25.75	35.60	46.00	-10.40	Peak
5	4.361	0.01	9.88	23.60	33.50	46.00	-12.50	Peak
6	14.364	0.01	10.00	27.43	37.45	50.00	-12.55	Peak



Report No.: SZEM141000589301

Page: 30 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE LINE

Job.No : 5893CR Mode : 2437TX

Adapter : \$W36-12003000-W

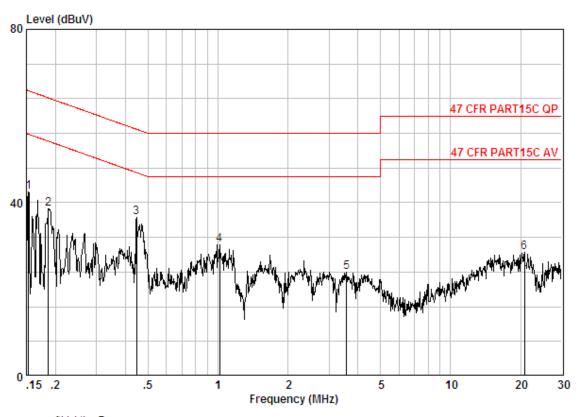
•	Freq		LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15080	0.02	9.70	33.02	42.74	55.96	-13.21	Peak
2	0.45878	0.01	9.80	29.21	39.02	46.71	-7.69	Peak
3	1.082	0.02	9.80	26.49	36.31	46.00	-9.69	Peak
4	1.628	0.02	9.80	18.18	28.00	46.00	-18.00	Peak
5	4.952	0.01	9.90	15.95	25.86	46.00	-20.14	Peak
6	17.109	0.02	10.10	23.93	34.04	50.00	-15.96	Peak



Report No.: SZEM141000589301

Page: 31 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE NEUTRAL

Job.No : 5893CR Mode : 2437TX

Adapter : SW36-12003000-W

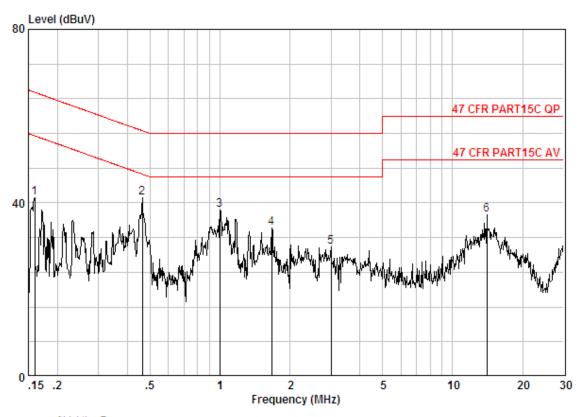
F									
	Freq		LISN Factor					Remark	
	MHz	dB	dB	dBuV	dBuV	dBuV	dB		_
1	0.15321	0.02	9.70	32.78	42.50	55.82	-13.33	Peak	
2	0.18639	0.02	9.70	28.93	38.65	54.20	-15.54	Peak	
3	0.44679	0.01	9.80	26.73	36.54	46.93	-10.39	Peak	
4	1.016	0.02	9.80	20.54	30.36	46.00	-15.64	Peak	
5	3.565	0.02	9.86	14.17	24.05	46.00	-21.95	Peak	
6	20.814	0.02	10.10	18.35	28.47	50.00	-21.53	Peak	



Report No.: SZEM141000589301

Page: 32 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE LINE

Job.No : 5893CR Mode : 2462TX

: SW36-12003000-W

	Freq		LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15985	0.02	9.70	31.39	41.11	55.47	-14.36	Peak
2 @	0.46367	0.01	9.80	31.28	41.09	46.63	-5.53	Peak
3	0.99968	0.02	9.80	28.54	38.36	46.00	-7.64	Peak
4	1.671	0.02	9.80	24.42	34.24	46.00	-11.76	Peak
5	3.009	0.02	9.85	20.06	29.93	46.00	-16.07	Peak
6	14.063	0.01	10.07	27.13	37.22	50.00	-12.78	Peak

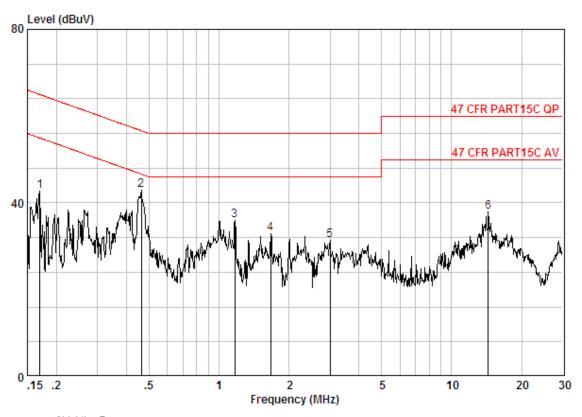




Report No.: SZEM141000589301

Page: 33 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE NEUTRAL

Job.No : 5893CR Mode : 2462TX

: SW36-12003000-W

	Freq		LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 2 @ 3	0.16944 0.46367 1.172	0.01	9.70 9.80 9.80	33.06	42.87	46.63	-3.76	Peak
4 5 6	1.671 3.009 14.364	0.02	9.80 9.85 10.00	21.46	31.32	46.00	-14.68	Peak

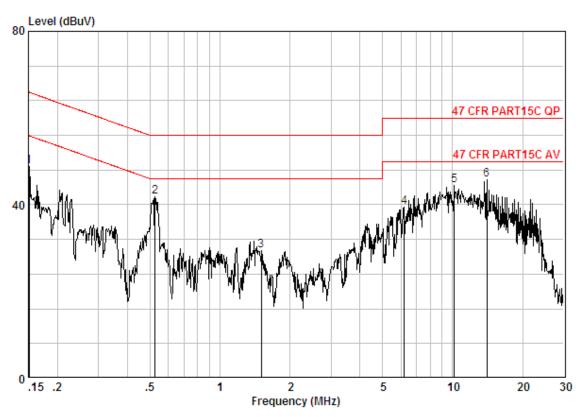


Report No.: SZEM141000589301

Page: 34 of 181

For adapter No.: WHF-1200300T3

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE LINE

Job.No : 5893CR Mode : 2412TX

: WHF-1200300T3

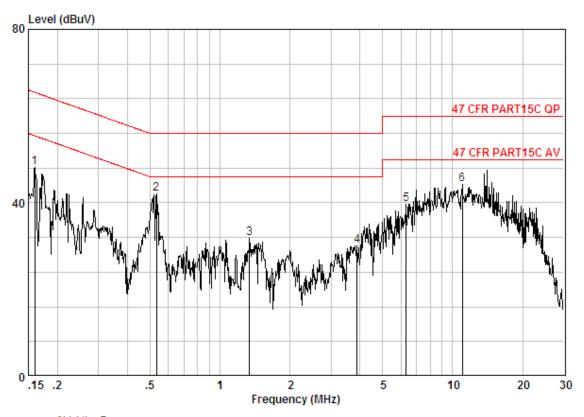
		Freq		LISN Factor					Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.15080	0.02	9.70	39.12	48.84	55.96	-7.12	Peak
2	@	0.52654	0.01	9.80	32.15	41.96	46.00	-4.04	Peak
3		1.503	0.02	9.80	19.70	29.52	46.00	-16.48	Peak
4		6.186	0.01	9.96	29.50	39.47	50.00	-10.53	Peak
5		10.179	0.01	10.00	34.44	44.45	50.00	-5.55	Peak
6	@	14.063	0.01	10.00	35.84	45.86	50.00	-4.14	Peak



Report No.: SZEM141000589301

Page: 35 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE NEUTRAL

Job.No : 5893CR Mode : 2412TX

: WHF-1200300T3

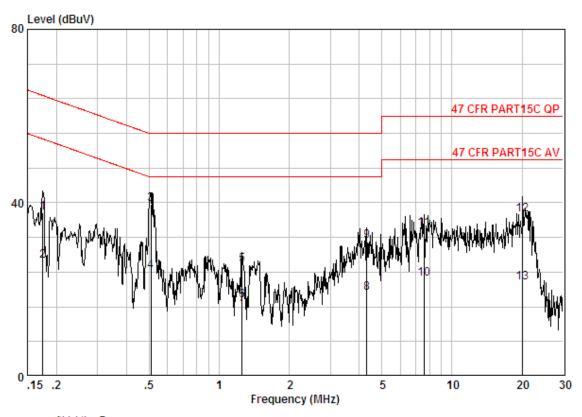
		Cable	LISN	Read		Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15985	0.02	9.70	38.38	48.10	55.47	-7.37	Peak
2 @	0.53215	0.01	9.80	32.20	42.01	46.00	-3.99	Peak
3	1.338	0.02	9.80	21.95	31.77	46.00	-14.23	Peak
4	3.881	0.02	9.87	20.22	30.11	46.00	-15.89	Peak
5	6.319	0.01	9.97	29.76	39.73	50.00	-10.27	Peak
6	11.021	0.01	10.00	34.18	44.19	50.00	-5.81	Peak



Report No.: SZEM141000589301

Page: 36 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE LINE

Job.No : 5893CR Mode : 2437 TX mode Adapter : WHF-1200300T3

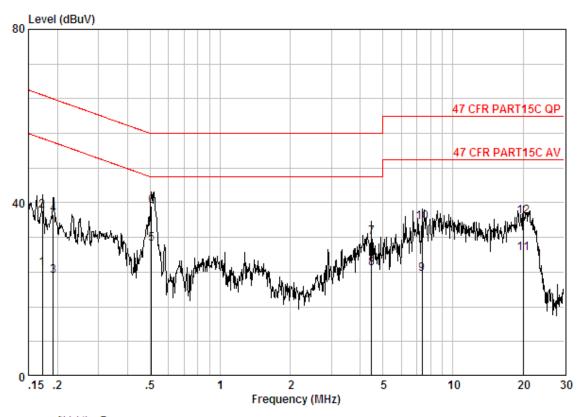
		Cable	LISN	Read		Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17491	0.02	9.70	27.93	37.65	64.72	-27.07	QP
2	0.17491	0.02	9.70	16.97	26.69	54.72	-28.04	Average
3	0.51007	0.01	9.80	29.88	39.69	56.00	-16.31	QP
4	0.51007	0.01	9.80	14.41	24.22	46.00	-21.78	Average
5	1.255	0.02	9.80	15.98	25.80	56.00	-30.20	QP
6	1.255	0.02	9.80	7.68	17.50	46.00	-28.50	Average
7	1.255	0.02	9.80	6.68	16.50	46.00	-29.50	Average
8	4.315	0.01	9.88	9.28	19.18	46.00	-26.82	Average
9	4.315	0.01	9.88	21.19	31.09	56.00	-24.91	QP
10	7.566	0.01	9.90	12.46	22.37	50.00	-27.63	Average
11	7.566	0.01	9.90	24.08	33.99	60.00	-26.01	QP
12	20.162	0.02	10.10	27.24	37.36	60.00	-22.64	QP
13	20.162	0.02	10.10	11.41	21.53	50.00	-28.47	Average



Report No.: SZEM141000589301

Page: 37 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C QP CE NEUTRAL

Job.No : 5893CR Mode : 2437 TX mode Adapter : WHF-1200300T3

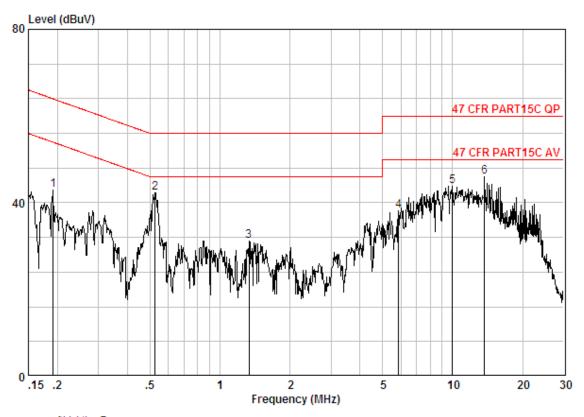
•		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.	17215	0.02	9.70	15.07	24.79	54.86	-30.07	Average
2	0.	17215	0.02	9.70	28.43	38.15	64.86	-26.71	QP
3	0.	19140	0.02	9.70	13.44	23.16	53.98	-30.81	Average
4	0.	19140	0.02	9.70	27.49	37.21	63.98	-26.77	QP
5 @	0.	50737	0.01	9.80	20.61	30.42	46.00	-15.58	Average
6	0.	50737	0.01	9.80	29.35	39.16	56.00	-16.84	QP
7		4.478	0.01	9.89	22.21	32.11	56.00	-23.89	QP
8		4.478	0.01	9.89	14.87	24.77	46.00	-21.23	Average
9		7.368	0.01	10.00	13.53	23.54	50.00	-26.46	Average
10		7.368	0.01	10.00	25.57	35.58	60.00	-24.42	QP
11	2	0.056	0.02	10.10	18.12	28.24	50.00	-21.76	Average
12	2	0.056	0.02	10.10	26.64	36.76	60.00	-23.24	QP



Report No.: SZEM141000589301

Page: 38 of 181

Live Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE LINE

Job.No : 5893CR Mode : 2462TX

: WHF-1200300T3

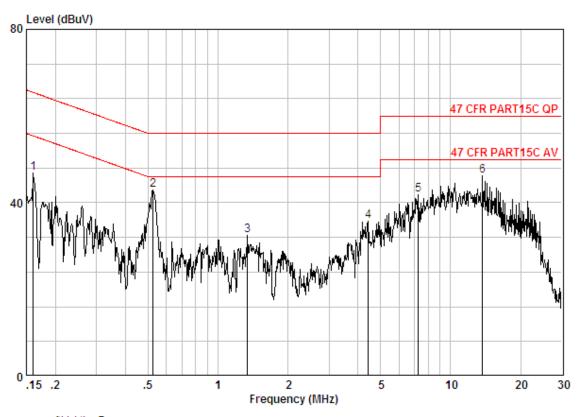
		Freq		LISN Factor					Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.19140	0.02	9.70	33.18	42.90	53.98	-11.08	Peak
2	@	0.52654	0.01	9.80	32.56	42.37	46.00	-3.63	Peak
3		1.331	0.02	9.80	21.30	31.12	46.00	-14.88	Peak
4		5.867	0.01	9.95	28.19	38.15	50.00	-11.85	Peak
5		9.966	0.01	10.00	33.81	43.82	50.00	-6.18	Peak
6	@	13.695	0.01	10.00	35.89	45.90	50.00	-4.10	Peak



Report No.: SZEM141000589301

Page: 39 of 181

Neutral Line:



Site : Shielding Room

Condition : 47 CFR PART15C AV CE NEUTRAL

Job.No : 5893CR Mode : 2462TX

: WHF-1200300T3

		Freq		LISN Factor					Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.16070	0.02	9.70	37.12	46.84	55.43	-8.58	Peak
2	@	0.52654	0.01	9.80	33.06	42.88	46.00	-3.12	Peak
3		1.338	0.02	9.80	22.66	32.48	46.00	-13.52	Peak
4		4.430	0.01	9.89	25.82	35.72	46.00	-10.28	Peak
5		7.252	0.01	10.00	31.80	41.81	50.00	-8.19	Peak
6	@	13.695	0.01	10.00	36.25	46.26	50.00	-3.74	Peak

Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



Report No.: SZEM141000589301

Page: 40 of 181

6.3 Conducted Peak Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)							
Test Method:	KDB558074 D01 v03r02							
	KDB662911 D01Multiple Transmitter Output v02r01							
Test Setup:	Power Meter RF Output poit Non-Conducted Table Ground Reference Plane Remark: Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.							
Test Instruments:	Refer to section 5.10 for details.							
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.							
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).							
Limit:	0dBm							
Test Results:	Pass							



Report No.: SZEM141000589301

Page: 41 of 181

Mode		802.1	1b for Anteni	na 1	
Data Rate	Test Channel	1Mbps	2Mbps	5.5Mbps	11Mbps
Test results	1	18.31	18.02	17.95	17.78
(dBm)	6	18.66	18.59	18.44	18.39
	11	18.55	18.48	18.42	18.35

Mode		802.11g for Antenna 1											
Data Rate	Test Channel	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps				
Test results	1	18.68	18.54	18.48	18.33	18.29	18.22	18.11	18.02				
(dBm)	6	18.86	18.74	18.67	18.52	18.41	18.33	18.25	18.16				
	11	18.58	18.43	18.37	18.23	18.17	18.12	18.07	18.04				

Mode		802.11n (HT20) for Antenna1										
Data Rate	Test Channel	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps			
Test	1	20.83	20.78	20.72	20.66	20.57	20.48	20.33	20.28			
results (dBm)	6	20.08	20.01	19.94	19.78	19.72	19.66	19.52	19.43			
	11	19.71	19.51	19.42	19.31	19.24	19.17	19.01	18.82			

Mode		802.11n (HT20) for Antenna2										
Data Rate	Test Channel	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps			
Test	1	17.68	17.58	17.42	17.24	17.18	17.12	17.01	16.84			
results (dBm)	6	18.17	18.10	18.01	17.84	17.77	17.64	17.58	17.32			
	11	17.99	17.84	17.71	17.64	17.51	17.39	17.22	17.03			

Mode		802.11n (HT20) for Antenna1+ Antenna2										
Data Rate	Test Channel	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps			
Test	1	22.54	22.48	22.39	22.29	22.21	22.13	21.99	21.90			
results (dBm)	6	22.24	22.17	22.09	21.93	21.86	21.78	21.67	21.51			
	11	21.94	21.77	21.66	21.57	21.47	21.38	21.22	21.03			



Report No.: SZEM141000589301

Page: 42 of 181

Mode		802.11n (HT40) Antenna1											
Data Rate	Test Channel	-	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps				
Test	3	20.00	19.89	19.78	19.63	19.49	19.36	19.32	19.16				
results (dBm)	6	19.57	19.42	19.21	19.02	18.94	18.91	18.84	18.77				
, ,	9	19.26	19.14	19.02	18.82	18.78	18.72	18.68	18.61				

Mode		802.11n (HT40) Antenna2											
Data Rate	Test Channel		27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps				
Test	3	17.36	17.23	17.07	16.92	16.85	16.78	16.51	16.34				
results (dBm)	6	17.59	17.44	17.28	17.19	17.03	16.97	16.92	16.81				
,	9	17.55	17.33	17.19	17.01	16.95	16.86	16.78	16.71				

Mode	802.11n (HT40) Antenna1+ Antenna2										
Data Rate	Test Channel		27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps		
Test	3	21.89	21.77	21.64	21.49	21.38	21.27	21.15	20.99		
results	6	21.70	21.55	21.36	21.21	21.10	21.06	21.00	20.91		
(dBm)	9	21.50	21.34	21.21	21.02	20.97	20.90	20.84	20.77		

Note:

- 1) Through Pre-scan, 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n (HT20); 13.5Mbps of rate is the worst case of 802.11n (HT40).
- 2) Through Pre-scan 11B and 11G, found the power of Antenna1 is larger than Antenna2,so only the Antenna1 test data is show in this report.





Report No.: SZEM141000589301

Page: 43 of 181

Measurement Data

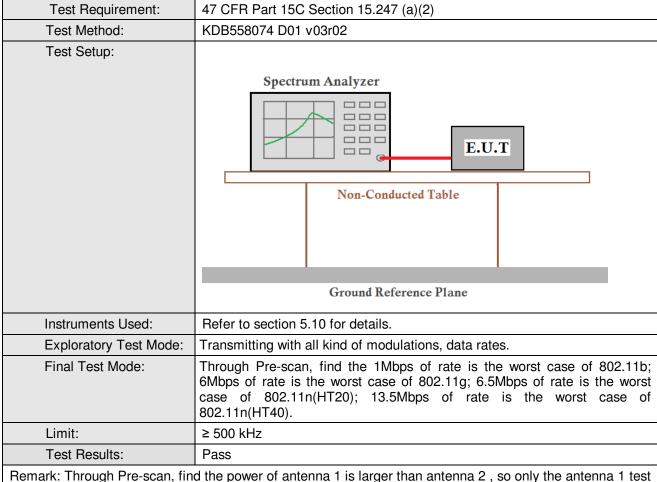
	802.11b mode					
Test channel	Peak Output F		Power (dBm)		Limit (dBm)	Result
	Antenna 1		Antenna 2			
Lowest	18.31		1	6.27	30.00	Pass
Middle	18.66		1	5.63	30.00	Pass
Highest	18.55		1	5.30	30.00	Pass
			802.11	g mode		
Test channel	Peak O	utput F	Power (d	IBm)	Limit (dBm)	Result
	Antenna 1	1	Ant	enna 2		
Lowest	18.68		1	6.76	30.00	Pass
Middle	18.86		1	5.85	30.00	Pass
Highest	18.58		1	5.59	30.00	Pass
		80	2.11n(H	T20)mode		
Test channel	Peak O	utput F	Power (d	IBm)	Limit (dBm)	Result
	Antenna 1	Ante	nna 2	Total		
Lowest	20.83	17	7.68	22.54	30.00	Pass
Middle	20.08	18	3.17	22.24	30.00	Pass
Highest	19.71	17.99		21.94	30.00	Pass
	802.11n(HT40)mode					
Test channel	Peak Output Power (dBm)		Limit (dBm)	Result		
	Antenna 1	Ante	nna 2	Total		
Lowest	20.00	17.36		21.89	30.00	Pass
Middle	19.57	17.59		21.70	30.00	Pass
Highest	19.26	17	7.55	21.50	30.00	Pass



Report No.: SZEM141000589301

Page: 44 of 181

6.4 6dB Occupy Bandwidth



Remark: Through Pre-scan, find the power of antenna 1 is larger than antenna 2, so only the antenna 1 test data is included in this report



Report No.: SZEM141000589301

Page: 45 of 181

Measurement Data

	802.11b mode	Measurement Data				
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result			
Lowest	10.05	≥500	Pass			
Middle	10.05	≥500	Pass			
Highest	10.05	≥500	Pass			
	802.11g mode					
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result			
Lowest	16.68	≥500	Pass			
Middle	16.68	≥500	Pass			
Highest	16.68	≥500	Pass			
	802.11n(HT20) mode					
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result			
Lowest	17.84	≥500	Pass			
Middle	17.88	≥500	Pass			
Highest	17.88	≥500	Pass			
802.11n(HT40)mode						
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result			
Lowest	36.70	≥500	Pass			
Middle	36.68	≥500	Pass			
Highest	36.67	≥500	Pass			



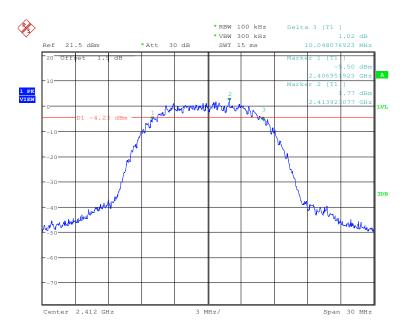
Report No.: SZEM141000589301

Page: 46 of 181

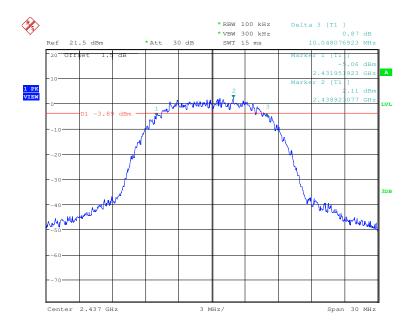
Test plot as follows:

Antenna 1

Test mode:	802.11b	Test channel:	Lowest
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Test mode: 802.11b Test channel: Middle

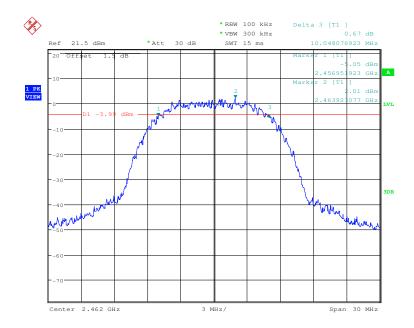




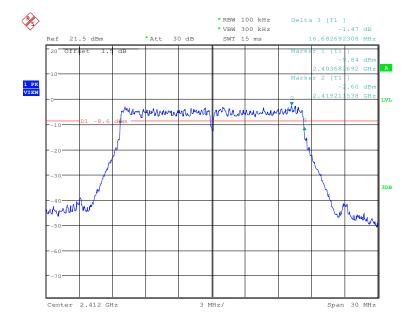
Report No.: SZEM141000589301

Page: 47 of 181

Test mode: 802.11b Test channel: Highest





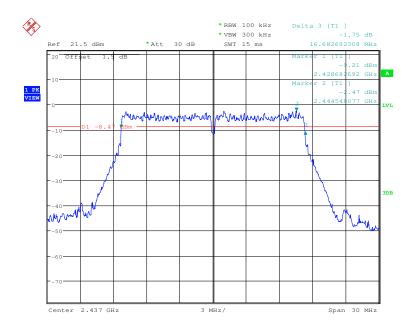




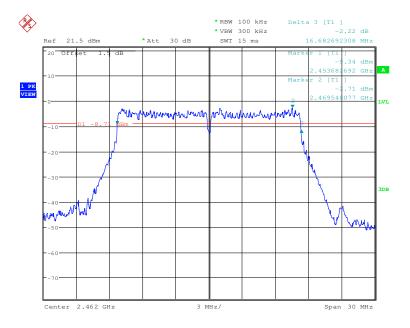
Report No.: SZEM141000589301

Page: 48 of 181

Test mode: 802.11g Test channel: Middle





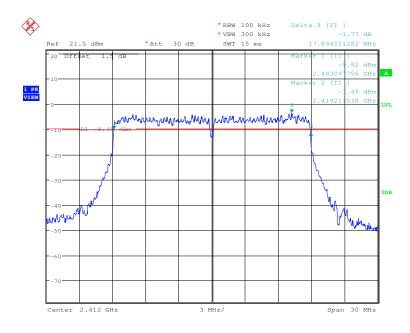




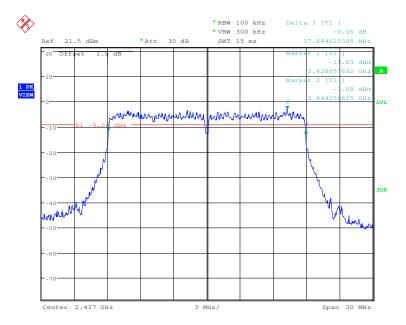
Report No.: SZEM141000589301

Page: 49 of 181

Test mode: 802.11n(HT20) Test channel: Lowest





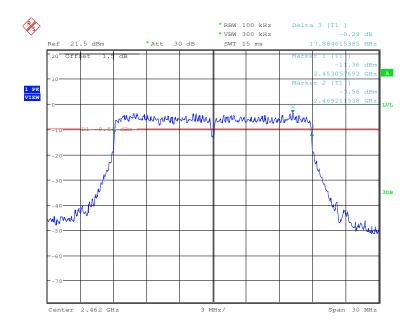




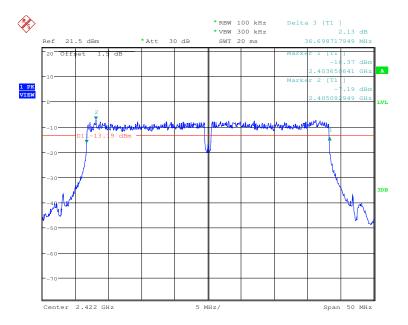
Report No.: SZEM141000589301

Page: 50 of 181

Test mode: 802.11n(HT20) Test channel: Highest





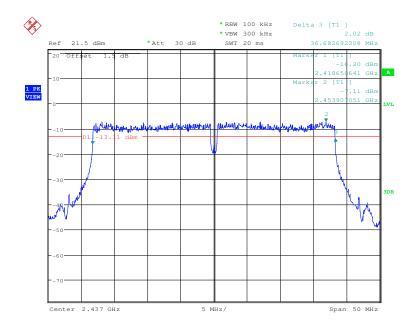




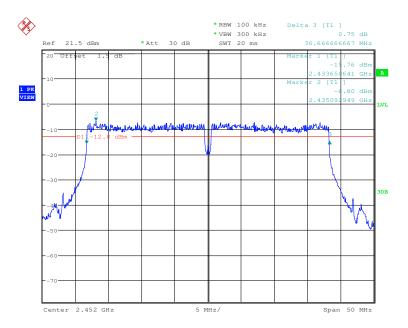
Report No.: SZEM141000589301

Page: 51 of 181

Test mode: 802.11n(HT40) Test channel: Middle









Report No.: SZEM141000589301

Page: 52 of 181

6.5 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)		
Test Method:	KDB558074 D01 v03r02		
	KDB662911 D01Multiple Transmitter Output v02r01		
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark: Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.		
Test Instruments:	Refer to section 5.10 for details.		
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.		
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).		
Limit:	≤8.00dBm		
Test Results:	Pass		





Report No.: SZEM141000589301

Page: 53 of 181

Measurement Data

	802.11b mode					
Test channel	Power Spectral		ensity (dBm)	Limit (dBm)	Result	
	Antenna	. 1	Antenna 2			
Lowest	-11.46		-13.58	≤8.00	Pass	
Middle	-11.07		-14.20	≤8.00	Pass	
Highest	-11.26		-14.56	≤8.00	Pass	
		8	02.11g mode			
Test channel	Power S	pectral De	ensity (dBm)	Limit (dBm)	Result	
	Antenna	. 1	Antenna 2			
Lowest	-15.92		-18.41	≤8.00	Pass	
Middle	-15.53		-18.97	≤8.00	Pass	
Highest	-16.36		-19.08	≤8.00	Pass	
		802.1	11n(HT20) mode			
Test channel	Power S	pectral De	ensity (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenna	a 2 Total			
Lowest	-17.84	-14.36	-12.75	≤8.00	Pass	
Middle	-17.42	-15.22	-13.17	≤8.00	Pass	
Highest	-17.25	-15.79	-13.45	≤8.00	Pass	
	802.11n(HT40) mode					
Test channel	Power Spectral Density (dBm)		Limit (dBm)	Result		
	Antenna 1	Antenna	a 2 Total			
Lowest	-19.61	-17.34	-15.32	≤8.00	Pass	
Middle	-19.95	-17.92	-15.81	≤8.00	Pass	
Highest	-19.26	-17.81	-15.46	≤8.00	Pass	



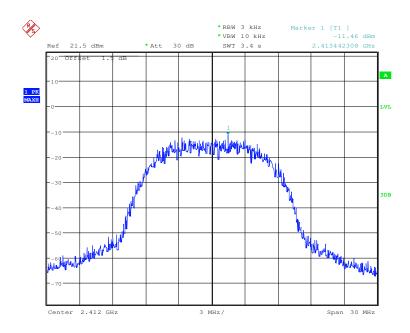
Report No.: SZEM141000589301

Page: 54 of 181

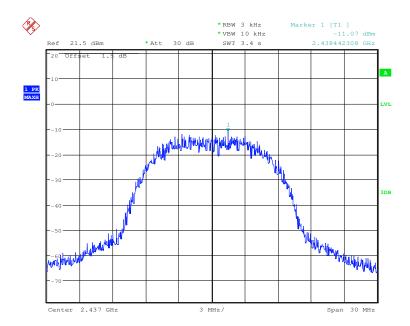
Test plot as follows:

Antenna 1

Test mode: 802.11b Test channel: Lowest



Test mode: 802.11b Test channel: Middle

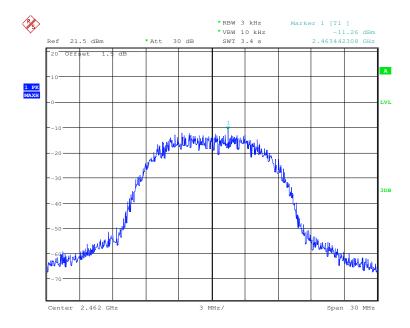




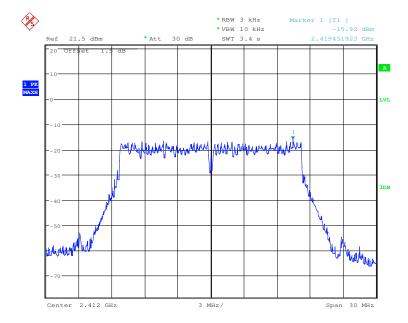
Report No.: SZEM141000589301

Page: 55 of 181

Test mode: 802.11b Test channel: Highest





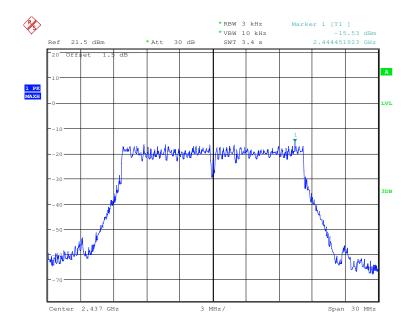




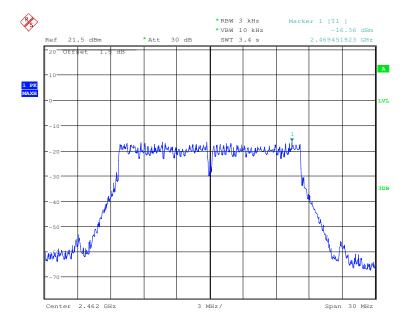
Report No.: SZEM141000589301

Page: 56 of 181

Test mode: 802.11g Test channel: Middle





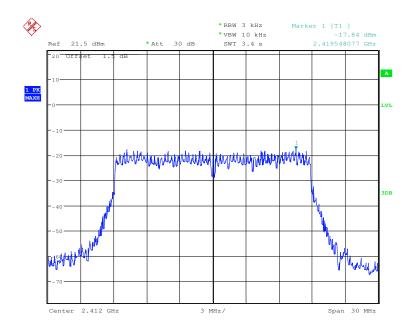




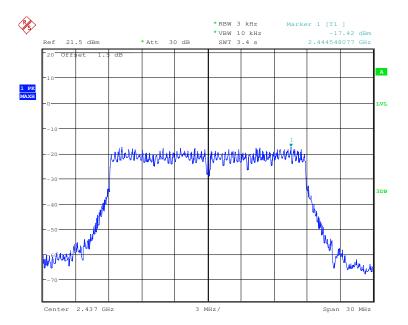
Report No.: SZEM141000589301

Page: 57 of 181

Test mode: 802.11n(HT20) Test channel: Lowest





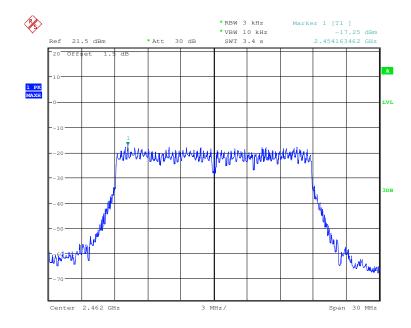




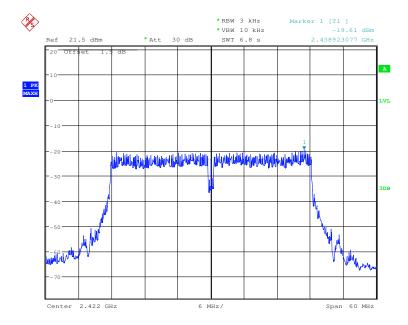
Report No.: SZEM141000589301

Page: 58 of 181

Test mode: 802.11n(HT20) Test channel: Highest





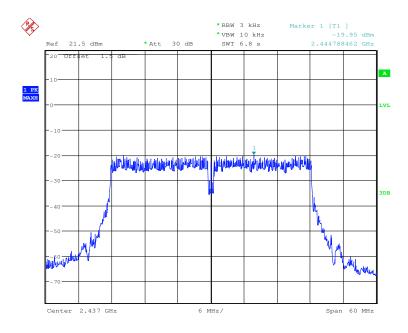




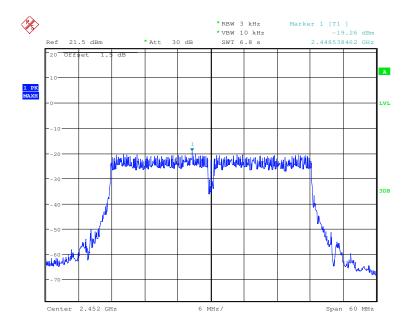
Report No.: SZEM141000589301

Page: 59 of 181

Test mode: 802.11n(HT40) Test channel: Middle







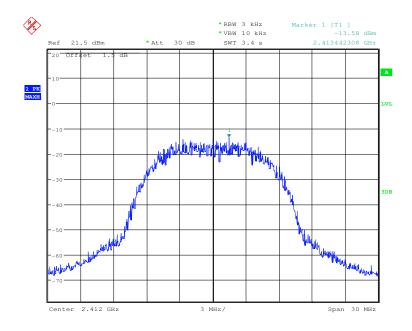


Report No.: SZEM141000589301

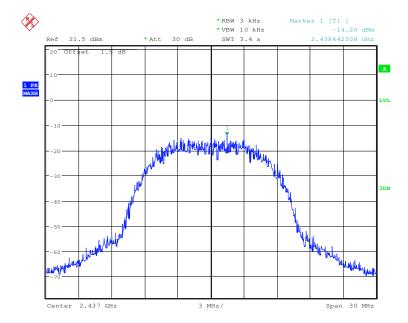
Page: 60 of 181

Antenna 2

Test mode: 802.11b Test channel: Lowest



Test mode: 802.11b Test channel: Middle

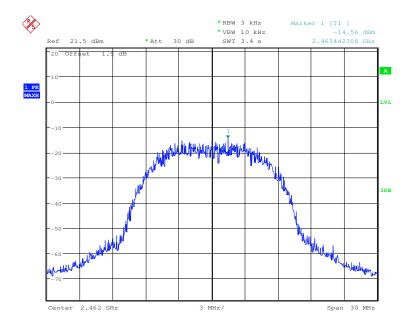




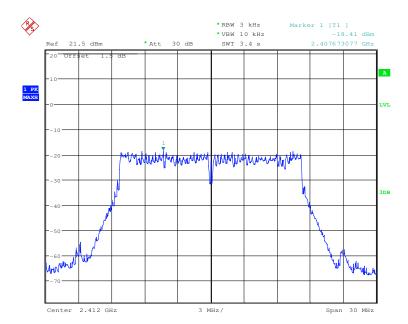
Report No.: SZEM141000589301

Page: 61 of 181

Test mode: 802.11b Test channel: Highest





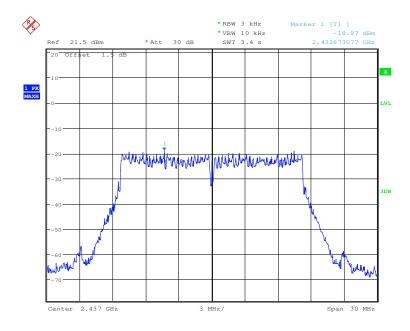




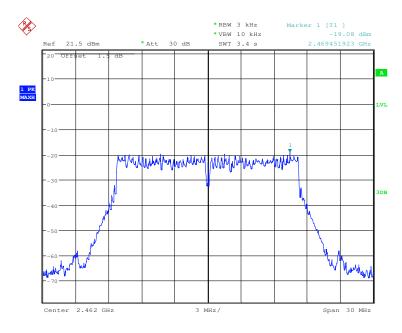
Report No.: SZEM141000589301

Page: 62 of 181

Test mode: 802.11g Test channel: Middle



Test mode:	802.11g	Test channel:	Highest
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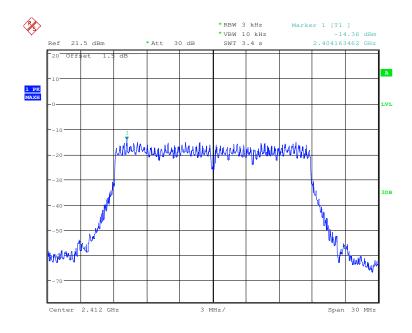




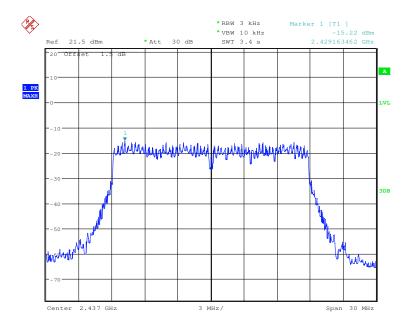
Report No.: SZEM141000589301

Page: 63 of 181

Test mode: 802.11n(HT20) Test channel: Lowest





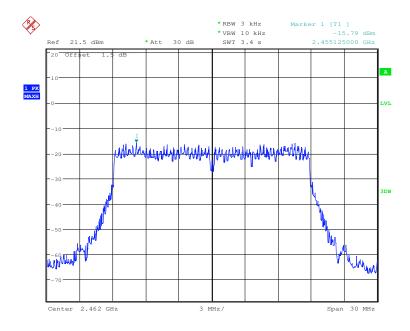




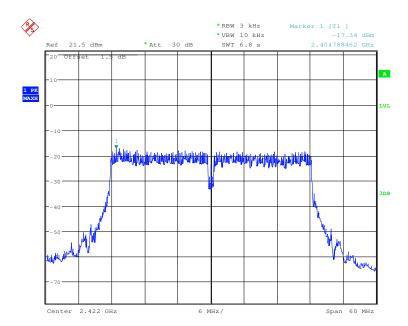
Report No.: SZEM141000589301

Page: 64 of 181

Test mode: 802.11n(HT20) Test channel: Highest





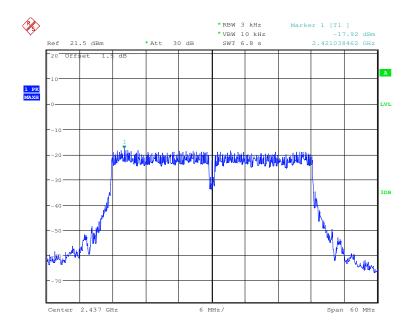




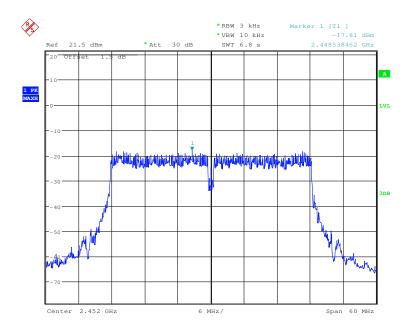
Report No.: SZEM141000589301

Page: 65 of 181

Test mode: 802.11n(HT40) Test channel: Middle









Report No.: SZEM141000589301

Page: 66 of 181

6.6 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)		
Test Method:	KDB558074 D01 v03r02		
Tool Motriou.	KDB662911 D01Multiple Transmitter Output v02r01		
Test Setup:	Spectrum Analyzer Non-Conducted Table Ground Reference Plane Remark:		
	Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.		
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates		
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40)		
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.		
Instruments Used:	Refer to section 5.10 for details		
Test Results:	Pass		
	Noted: According to KDB662911 D01Multiple Transmitter Output v02r01, section E) 3) a)(iii), Final value = Measure value + 10 log(NANT).		
	Where (NANT) is the number of output		
Remark: Through Pre-scan, fir data is included in this report	nd the power of antenna 1 is larger than antenna 2, so only the antenna 1 test		



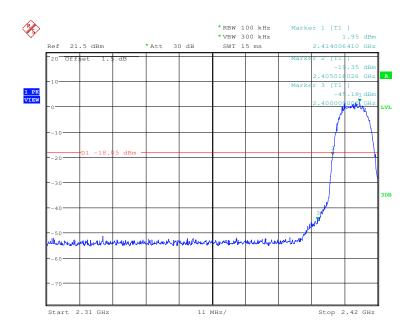
Report No.: SZEM141000589301

Page: 67 of 181

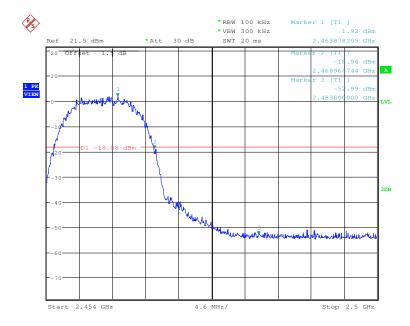
Test plot as follows:

Antenna 1

Test mode:	802.11b	Test channel:	Lowest



Test mode: 802.11b Test channel: Highest

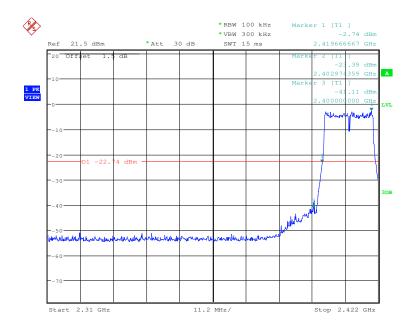




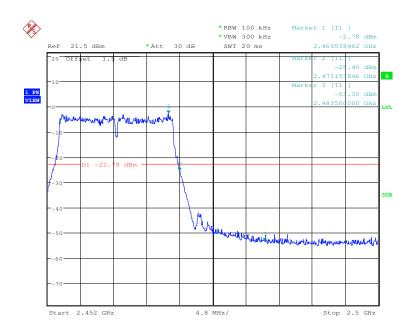
Report No.: SZEM141000589301

Page: 68 of 181

Test mode: 802.11g Test channel: Lowest





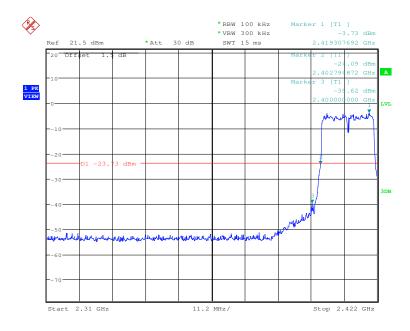




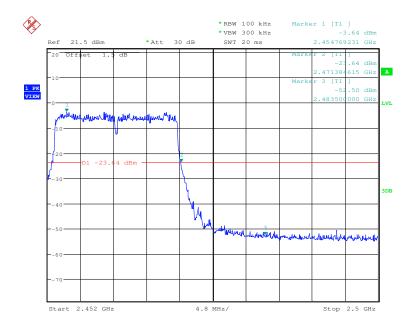
Report No.: SZEM141000589301

Page: 69 of 181

Test mode: 802.11n(HT20) Test channel: Lowest



Test mode: 802.11n(HT20) Test channel: Highest

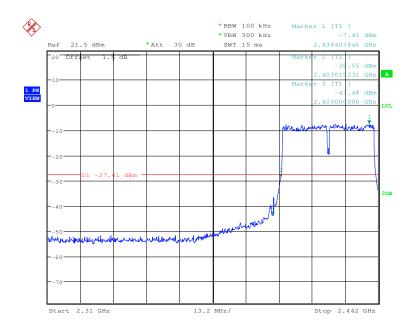




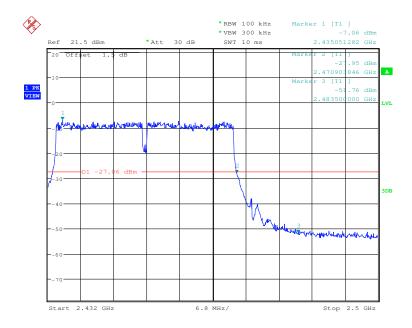
Report No.: SZEM141000589301

Page: 70 of 181

Test mode: 802.11n(HT40) Test channel: Lowest









Report No.: SZEM141000589301

Page: 71 of 181

6.7 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)	
Test Method:	KDB558074 D01 v03r02	
	KDB662911 D01Multiple Transmitter Output v02r01	
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark:	
Exploratory Test Mode:	Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer. Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT20).	
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.	
Instruments Used:	Refer to section 5.10 for details	
Test Results:	Pass	
	Noted: According to KDB662911 D01Multiple Transmitter Output v02r01, section E) 3) a)(iii), Final value = Measure value + 10 log(NANT).	
	Where (NANT) is the number of output	
Remark: Through Pre-scan, fir data is included in this report	nd the power of antenna 1 is larger than antenna 2, so only the antenna 1 test	



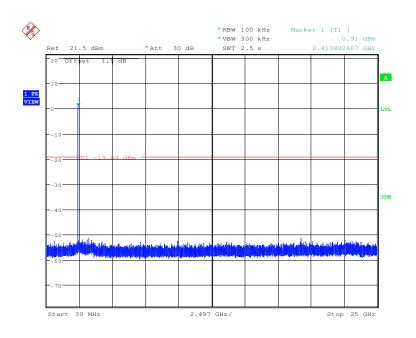
Report No.: SZEM141000589301

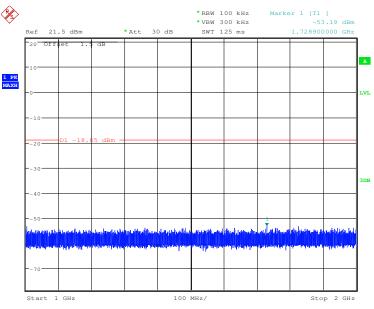
Page: 72 of 181

Test plot as follows:

Antenna 1

Test mode: 802.11b Test channel: Lowest



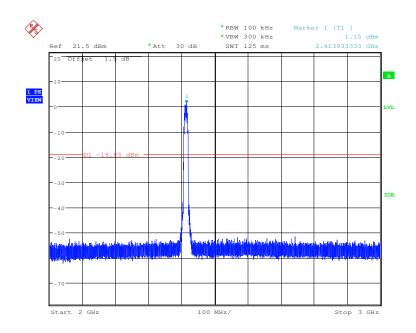


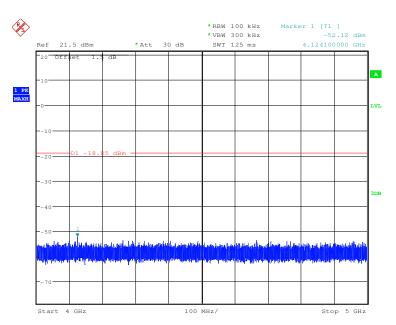




Report No.: SZEM141000589301

Page: 73 of 181



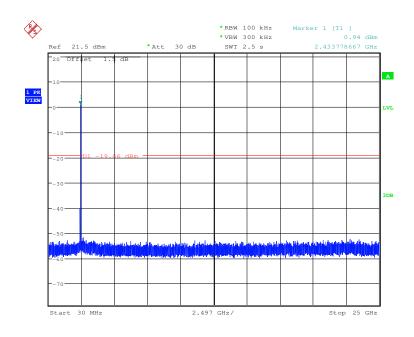


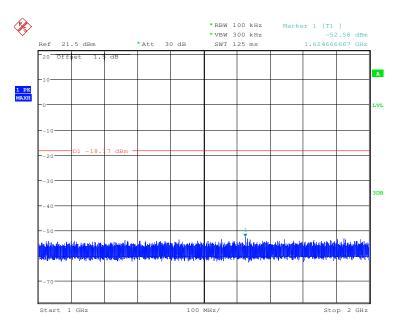


Report No.: SZEM141000589301

Page: 74 of 181

Test mode: 802.11b Test channel: Middle

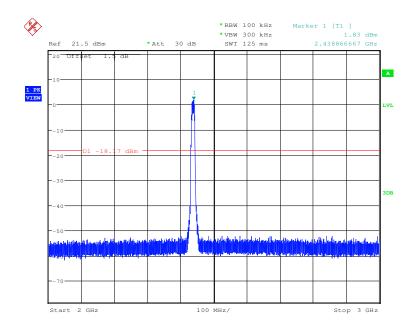


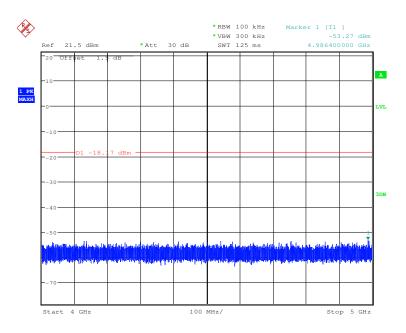




Report No.: SZEM141000589301

Page: 75 of 181



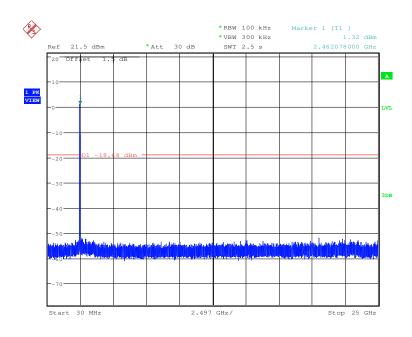


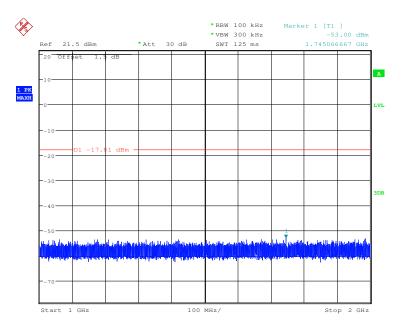


Report No.: SZEM141000589301

Page: 76 of 181

Test mode: 802.11b Test channel: Highest

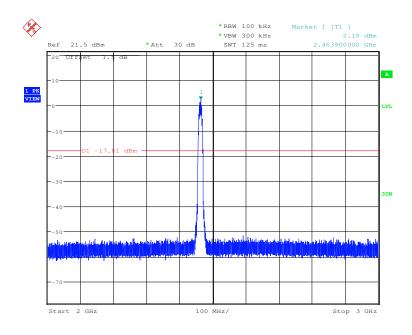


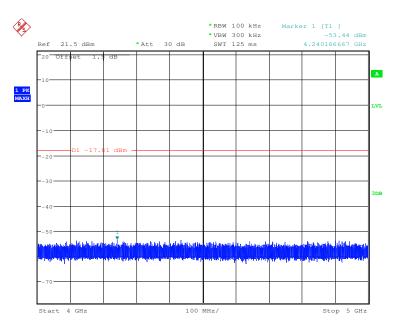




Report No.: SZEM141000589301

Page: 77 of 181



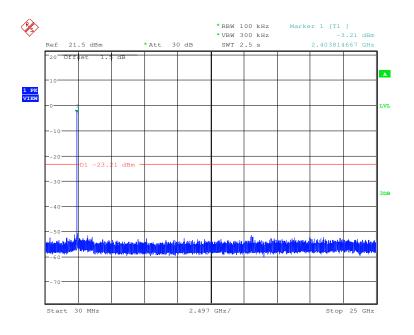


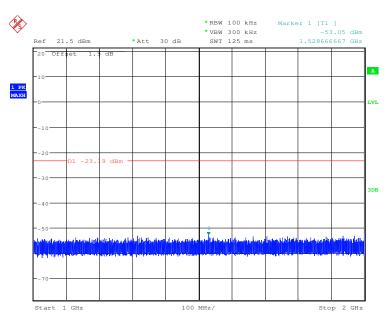


Report No.: SZEM141000589301

Page: 78 of 181

Test mode: 802.11g Test channel: Lowest

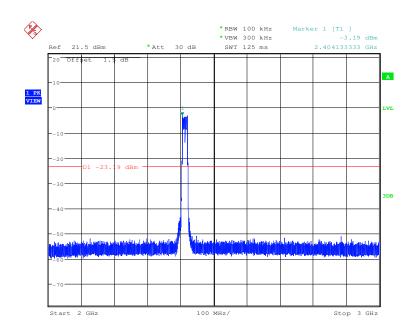


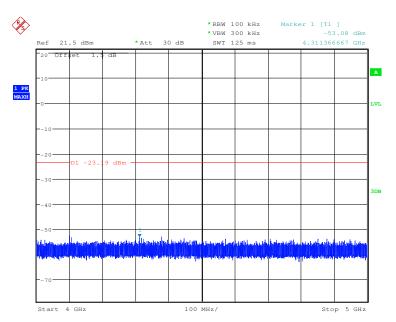




Report No.: SZEM141000589301

Page: 79 of 181



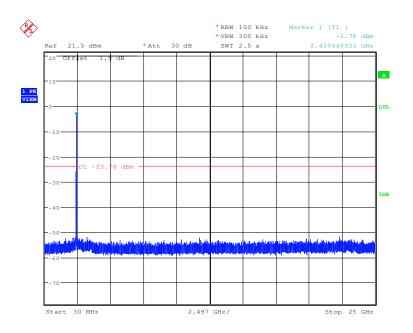


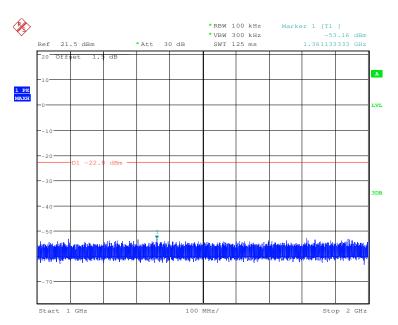


Report No.: SZEM141000589301

Page: 80 of 181

Test mode: 802.11g Test channel: Middle

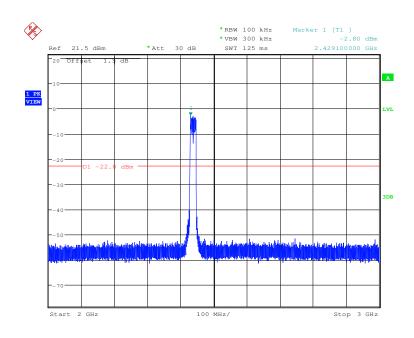


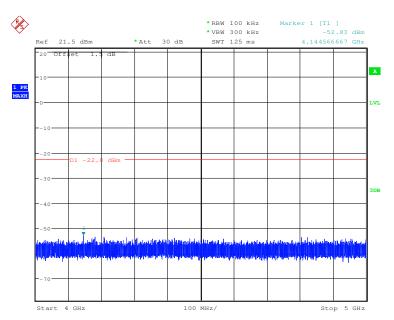




Report No.: SZEM141000589301

Page: 81 of 181



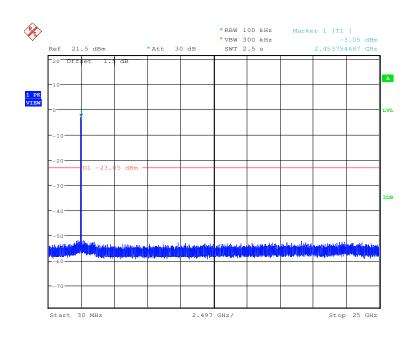


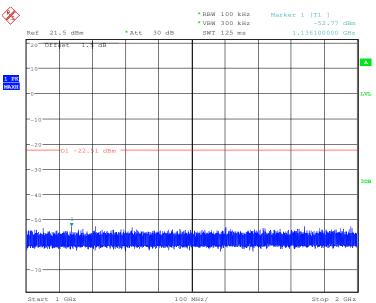


Report No.: SZEM141000589301

Page: 82 of 181

Test mode: 802.11g Test channel: Highest



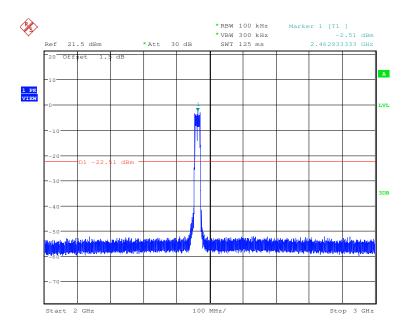


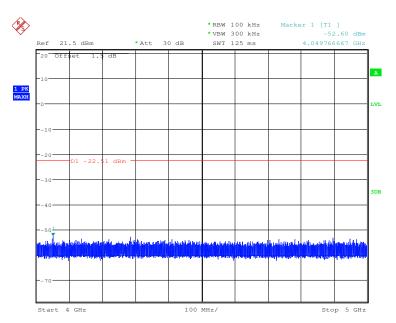




Report No.: SZEM141000589301

Page: 83 of 181



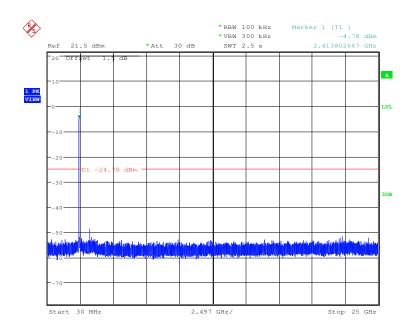


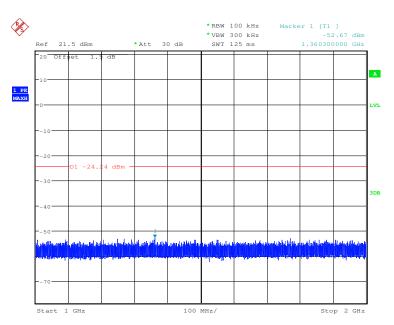


Report No.: SZEM141000589301

Page: 84 of 181

Test mode: 802.11n(HT20) Test channel: Lowest

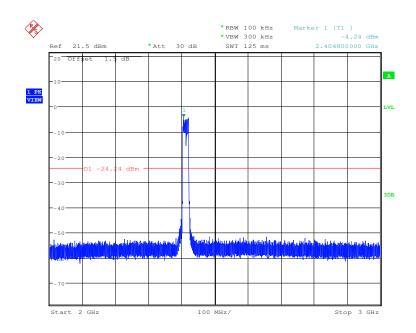


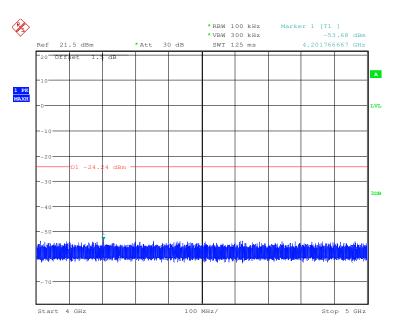




Report No.: SZEM141000589301

Page: 85 of 181



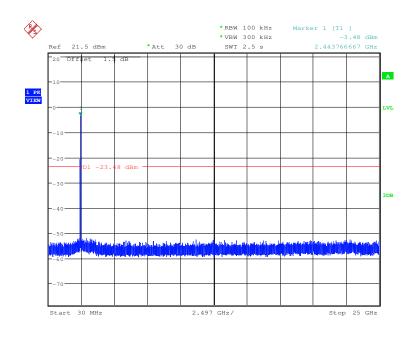


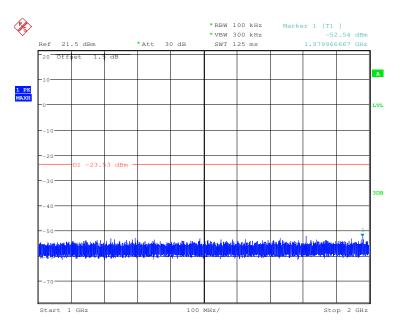


Report No.: SZEM141000589301

Page: 86 of 181

Test mode: 802.11n(HT20) Test channel: Middle

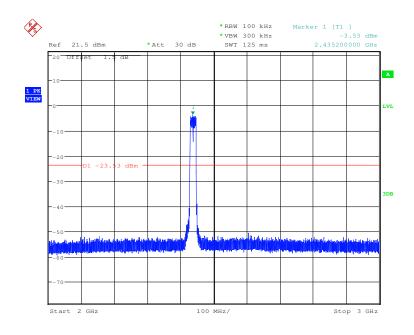


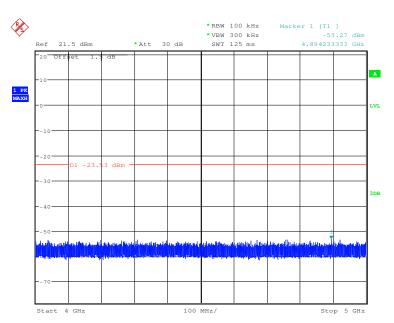




Report No.: SZEM141000589301

Page: 87 of 181



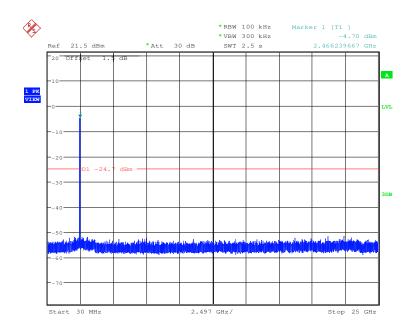


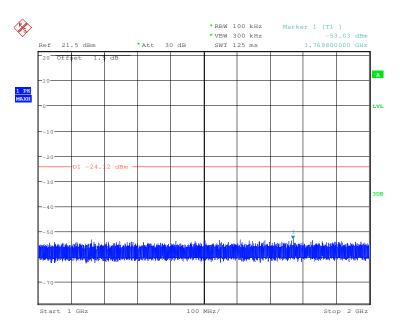


Report No.: SZEM141000589301

Page: 88 of 181

Test mode: 802.11n(HT20) Test channel: Highest

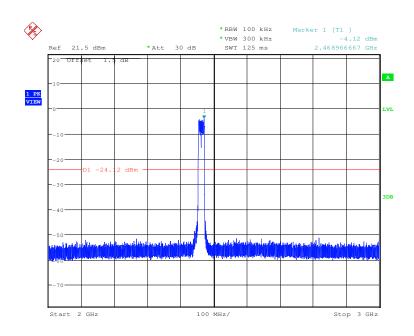


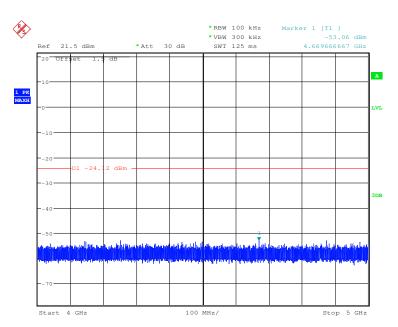




Report No.: SZEM141000589301

Page: 89 of 181



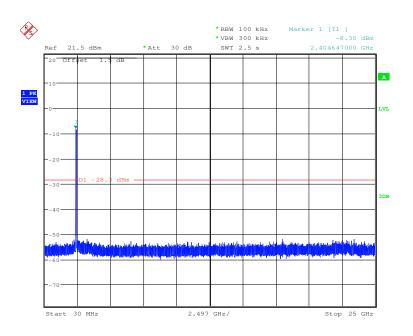


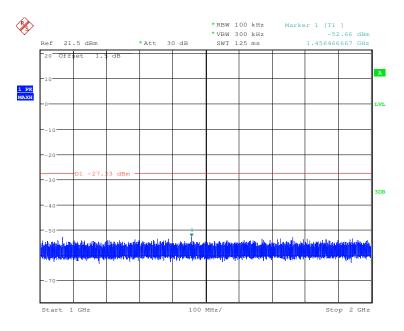


Report No.: SZEM141000589301

Page: 90 of 181

Test mode: 802.11n(HT40) Test channel: Lowest

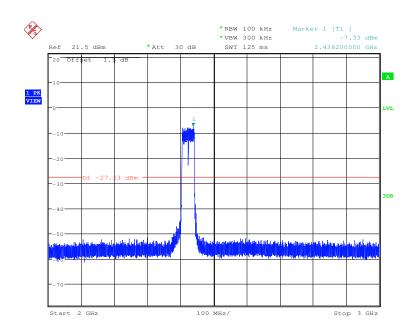


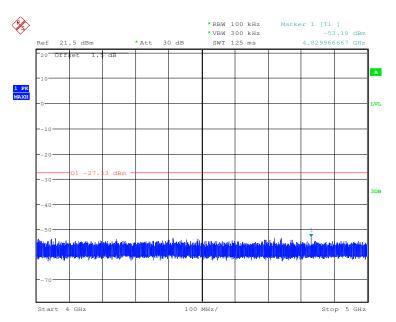




Report No.: SZEM141000589301

Page: 91 of 181



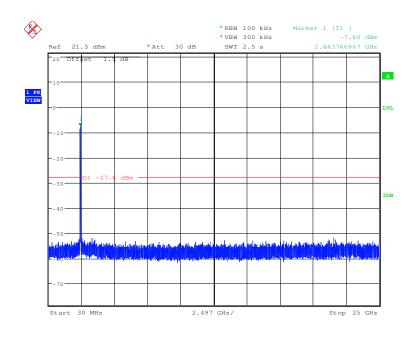


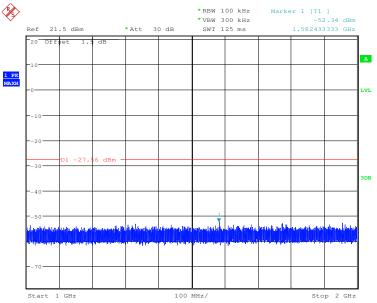


Report No.: SZEM141000589301

Page: 92 of 181

Test mode: 802.11n(HT40) Test channel: Middle



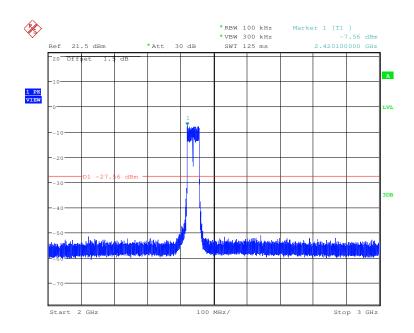


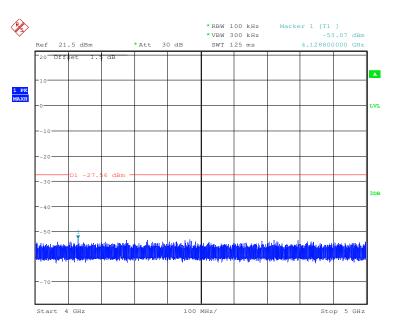




Report No.: SZEM141000589301

Page: 93 of 181



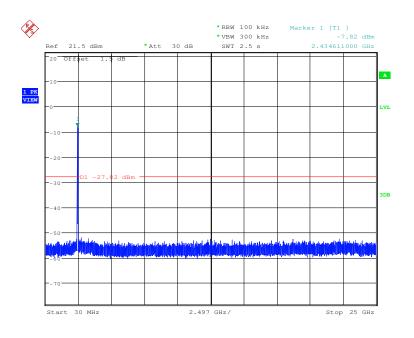


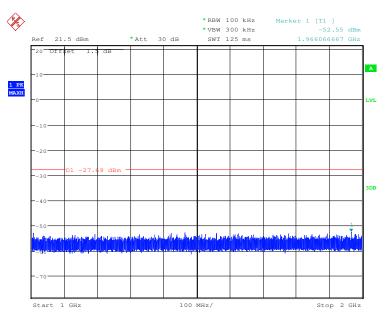


Report No.: SZEM141000589301

Page: 94 of 181

Test mode: 802.11n(HT40) Test channel: Highest

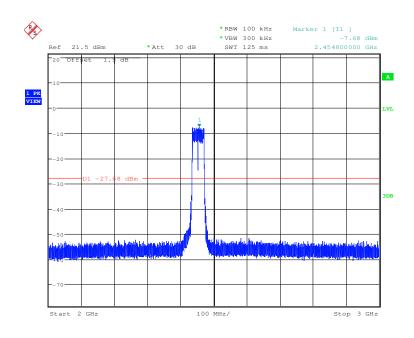


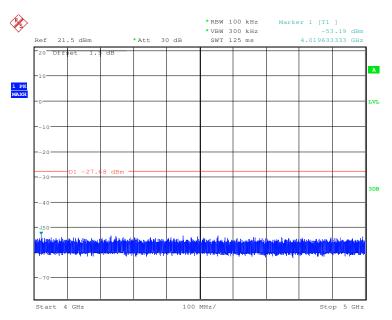




Report No.: SZEM141000589301

Page: 95 of 181





Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.



Report No.: SZEM141000589301

Page: 96 of 181

6.8 Radiated Spurious Emissions

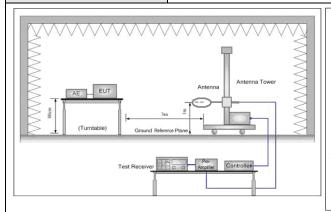
Test Requirement:	47 CFR Part 15C Section	CFR Part 15C Section 15.209 and 15.205								
Test Method:	ANSI C63.10 2009									
Test Site:	Measurement Distance:	3m (Semi-Anecho	ic Chamber)							
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark					
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak					
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average					
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak					
	0.110MHz-0.490MHz									
	0.110MHz-0.490MHz	0.110MHz-0.490MHz Average 10kHz								
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak					
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak					
	Above 1GHz	Peak	1MHz	3MHz	Peak					
	Above IGHZ	Peak	1MHz	10Hz	Average					
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)					
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300					
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30					
	1.705MHz-30MHz	30	-	-	30					
	30MHz-88MHz	100	40.0	Quasi-peak	3					
	88MHz-216MHz	150	43.5	Quasi-peak	3					
	216MHz-960MHz	200	46.0	Quasi-peak	3					
	960MHz-1GHz	500	54.0	Quasi-peak	3					
	Above 1GHz 500 54.0 Average 3									
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.									



Report No.: SZEM141000589301

Page: 97 of 181

Test Setup:



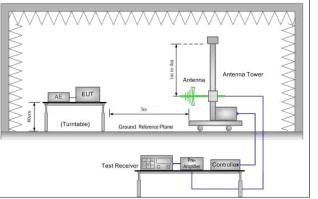


Figure 1. Below 30MHz

Figure 2. 30MHz to 1GHz

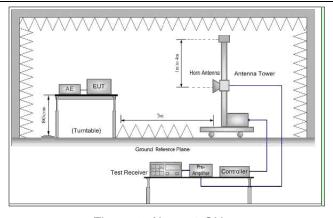


Figure 3. Above 1 GHz

Test Procedure:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average



Report No.: SZEM141000589301

Page: 98 of 181

	method as specified and then reported in a data sheet.					
	g. Test the EUT in the lowest channel ,the middle channel ,the Highest channel					
	h. Repeat above procedures until all frequencies measured was complete.					
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.					
	Transmitting mode.					
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 02.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).					
	For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11b at lowest channel is the worst case.					
	Only the worst case is recorded in the report.					
Instruments Used:	Refer to section 5.10 for details					
Test Results:	Pass					

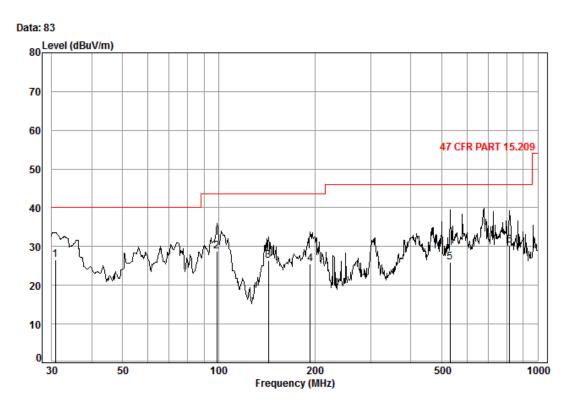


Report No.: SZEM141000589301

Page: 99 of 181

6.8.1 Radiated emission below 1GHz

30MHz~1GHz (QP)									
For adapter N	For adapter No.: F12W3-120100SPAU								
Test mode:	Transmitting mode	Test Channel:	Lowest	Remark:	Vertical				



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR Mode : 2412 TX mode

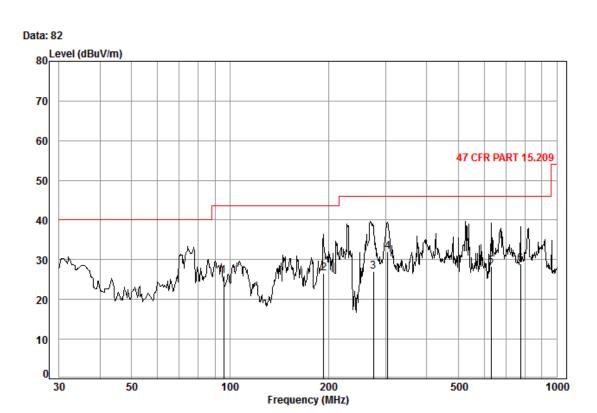
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.80	0.60	18.25	27.35	35.00	26.50	40.00	-13.50
2	98.67	1.19	9.05	27.20	45.66	28.70	43.50	-14.80
3	143.16	1.30	8.38	26.94	43.61	26.35	43.50	-17.15
4	193.83	1.39	10.14	26.72	40.67	25.48	43.50	-18.02
5	531.50	2.63	18.60	27.65	32.38	25.96	46.00	-20.04
6	815.99	3.27	22.29	27.20	31.84	30.20	46.00	-15.80



Report No.: SZEM141000589301

Page: 100 of 181

Test mode: Transmitting mode Test Channel: Lowest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2412 TX mode

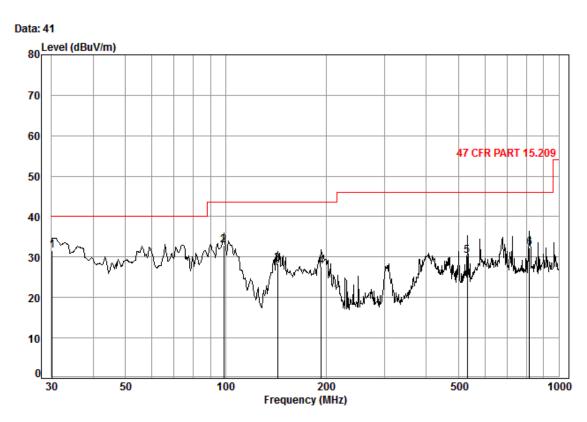
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
					-ID-37	-ID- 1//-	ID. M.	
	MHz	dB	aB/m	dB	abuv	aBuv/m	aBuv/m	dB
1	95.60	1.16	8.92	27.21	43.18	26.05	43.50	-17.45
2	193.53	1.39	10.14	26.72	41.75	26.56	43.50	-16.94
3	274.97	1.79	12.80	26.47	38.82	26.94	46.00	-19.06
4	303.73	1.91	14.03	26.42	42.48	32.00	46.00	-14.00
5	629.21	2.76	20.52	27.50	32.64	28.42	46.00	-17.58
6	774.44	3.13	21.99	27.33	31.16	28.95	46.00	-17.05



Report No.: SZEM141000589301

Page: 101 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Vertical



Condition: 47 CFR PART 15.209 3m 3142C Vertical

Job No. : 5893CR Mode : 2437 TX mode

	Freq	Cable Loss		Preamp Factor		Level			Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.11	0.60	18.64	27.36	39.76	31.64	40.00	-8.36	
2	98.83	1.19	9.05	27.20	49.94	32.98	43.50	-10.52	
3	143.33	1.30	8.40	26.94	45.65	28.41	43.50	-15.09	
4	193.77	1.39	10.14	26.72	42.93	27.74	43.50	-15.76	
5	531.96	2.63	18.61	27.65	36.79	30.38	46.00	-15.62	
6	815.97	3.27	22.29	27.20	33.95	32.31	46.00	-13.69	

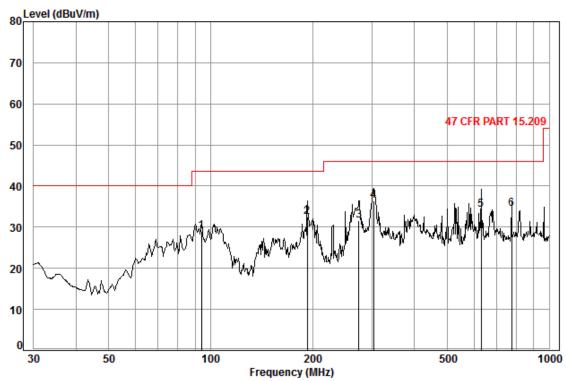


Report No.: SZEM141000589301

Page: 102 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Horizontal

Data: 40



Condition: 47 CFR PART 15.209 3m 3142C Horizontal

Job No. : 5893CR

Mode : 2437 TX mode

	Freq	Cable Loss		Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	94.10	1.14	8.86	27.21	46.19	28.98	43.50	-14.52	
2	193.09	1.39	10.13	26.73	47.68	32.47	43.50	-11.03	
3	274.19	1.79	12.78	26.47	43.40	31.50	46.00	-14.50	
4	303.54	1.91	14.03	26.42	46.94	36.46	46.00	-9.54	
5	629.48	2.76	20.52	27.50	38.49	34.27	46.00	-11.73	
6	774.16	3.13	21.99	27.33	36.58	34.37	46.00	-11.63	11



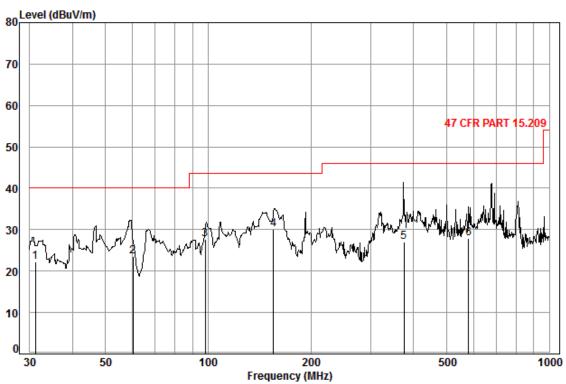


Report No.: SZEM141000589301

Page: 103 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Vertical





Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR

Mode : 2462 TX mode

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	31.20	0.60	18.03	27.35	31.00	22.28	40.00	-17.72
2	60.27	0.80	7.19	27.27	42.83	23.55	40.00	-16.45
3	98.22	1.18	9.03	27.20	44.60	27.61	43.50	-15.89
4	155.30	1.33	9.32	26.88	46.30	30.07	43.50	-13.43
5	375.50	2.13	16.01	26.97	35.86	27.03	46.00	-18.97
6	580.60	2.68	19.26	27.57	33.56	27.93	46.00	-18.07

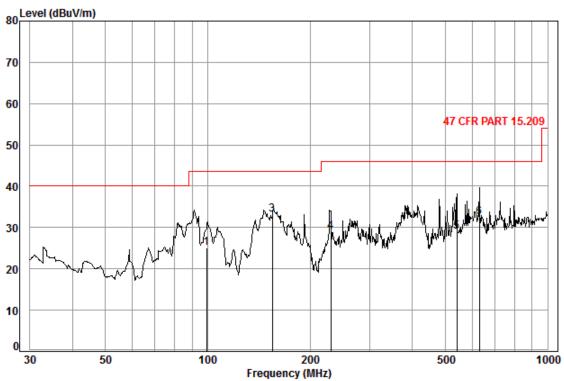


Report No.: SZEM141000589301

Page: 104 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Horizontal





Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2462 TX mode

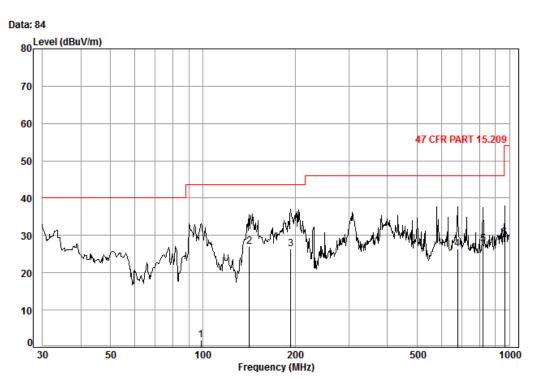
	Freq			Preamp Factor				Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	99.30	1.19	9.07	27.20	42.10	25.16	43.50	-18.34
2	146.35	1.31	8.67	26.93	-0.99	-17.94	43.50	-61.44
3	155.02	1.33	9.30	26.88	49.33	33.08	43.50	-10.42
4	230.33	1.57	11.67	26.59	42.40	29.05	46.00	-16.95
5	541.33	2.64	18.76	27.63	35.13	28.90	46.00	-17.10
6	629.22	2.76	20.52	27.50	36.70	32.48	46.00	-13.52



Report No.: SZEM141000589301

Page: 105 of 181

For adapter No.: S24B12-120A200-Y4								
Test mode:	Transmitting mode	Test Channel:	Lowest	Remark:	Vertical			



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR

Mode : 2412 TX mode

: S24B12-120A200-Y4

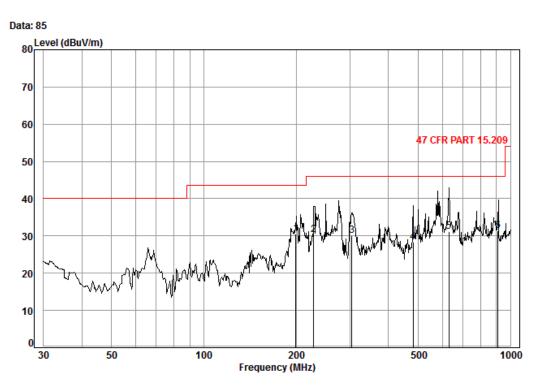
			LUNEUU					
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	98.63	1.19	9.05	27.20	18.96	2.00	43.50	-41.50
2	141.82	1.30	8.26	26.95	44.49	27.10	43.50	-16.40
3	193.45	1.39	10.13	26.72	41.64	26.44	43.50	-17.06
4	677.82	2.86	21.42	27.44	29.52	26.36	46.00	-19.64
5	821.41	3.29	22.36	27.16	29.16	27.65	46.00	-18.35
6	965.22	3.67	23.30	26.47	28.98	29,48	54.00	-24.52



Report No.: SZEM141000589301

Page: 106 of 181

Test mode: Transmitting mode Test Channel: Lowest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2412 TX mode

: S24B12-120A200-Y4

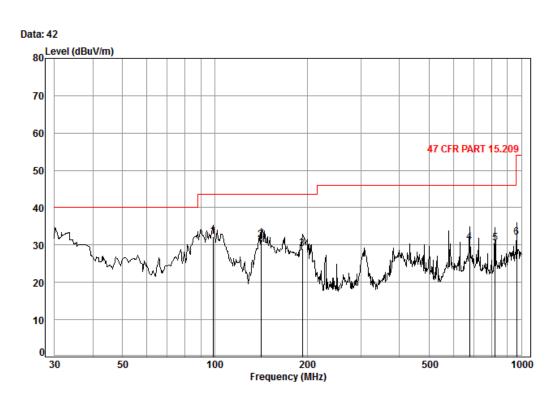
	Freq			Preamp Factor				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	199.67	1.40	10.20	26.70	45.66	30.56	43.50	-12.94
2	228.07	1.56	11.60	26.60	43.66	30.22	46.00	-15.78
3	303.66	1.91	14.03	26.42	40.63	30.15	46.00	-15.85
4	482.22	2.54	17.80	27.62	35.66	28.38	46.00	-17.62
5	629.33	2.76	20.52	27.50	35.33	31.11	46.00	-14.89
6	912.22	3.61	23.25	26.71	31.33	31.48	46.00	-14.52



Report No.: SZEM141000589301

Page: 107 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Vertical



Condition: 47 CFR PART 15.209 3m 3142C Vertical

Job No. : 5893CR

Mode : 2437 TX mode

: S24B12-120A200-Y4

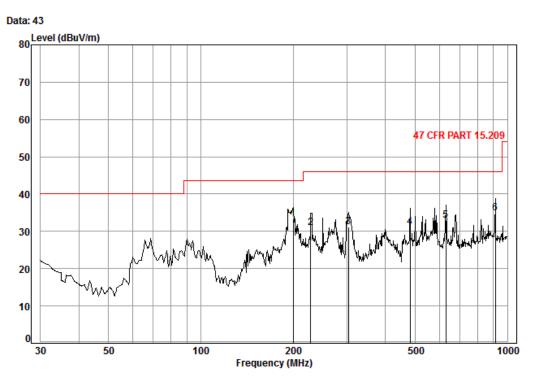
. 52 1522 120/1200 1 1											
		Cable	Ant	Preamp	Read		Limit	0ver			
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB			
1	98.83	1.19	9.05	27.20	49.18	32.22	43.50	-11.28			
2	141.33	1.30	8.22	26.95	48.88	31.45	43.50	-12.05			
3	193.09	1.39	10.13	26.73	44.18	28.97	43.50	-14.53			
4	677.58	2.86	21.42	27.44	33.95	30.79	46.00	-15.21			
5	821.71	3.29	22.36	27.16	32.07	30.56	46.00	-15.44			
6	965.54	3.67	23.30	26.47	31.47	31.97	54.00	-22.03			



Report No.: SZEM141000589301

Page: 108 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Horizontal



Condition: 47 CFR PART 15.209 3m 3142C Horizontal

Job No. : 5893CR

Mode : 2437 TX mode

: S24B12-120A200-Y4

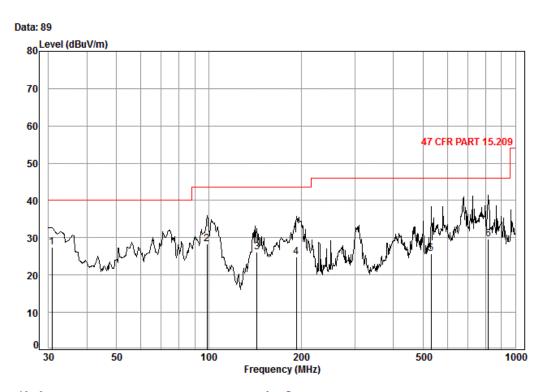
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	199.99	1.40	10.20	26.70	48.45	33.35	43.50	-10.15	
2	228.49	1.56	11.61	26.60	44.40	30.97	46.00	-15.03	
3	303.54	1.91	14.03	26.42	41.57	31.09	46.00	-14.91	
4	482.22	2.54	17.80	27.62	38.45	31.17	46.00	-14.83	
5	629.48	2.76	20.52	27.50	37.21	32.99	46.00	-13.01	
6	912.86	3.61	23.25	26.71	34.62	34.77	46.00	-11.23	



Report No.: SZEM141000589301

Page: 109 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Vertical



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR

Mode : 2462 TX mode

: S24B12-120A200-Y4

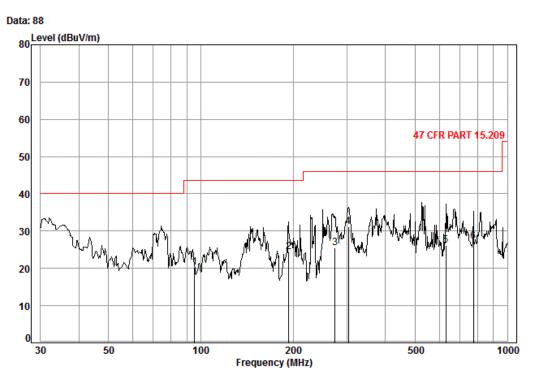
	Freq			Preamp Factor				Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.83	0.60	18.24	27.35	35.99	27.48	40.00	-12.52
2	98.63	1.19	9.05	27.20	45.35	28.39	43.50	-15.11
3	143.50	1.30	8.41	26.94	43.34	26.11	43.50	-17.39
4	193.30	1.39	10.13	26.72	40.10	24.90	43.50	-18.60
5	531.32	2.63	18.60	27.65	32.17	25.75	46.00	-20.25
6	815.92	3.27	22.29	27.20	31.34	29.70	46.00	-16.30



Report No.: SZEM141000589301

Page: 110 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2462 TX mode

: S24B12-120A200-Y4

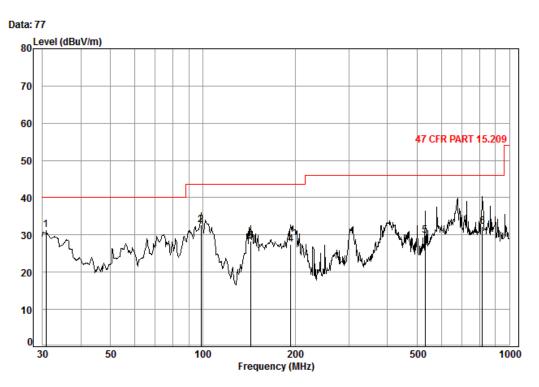
				Preamp				
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	95.36	1 16	9 01	27.21	27 26	20.22	43 EQ	22.20
1	95.50	1.10	0.91	2/.21	37.30	20.22	45.50	-23.20
2	193.35	1.39	10.13	26.72	39.57	24.37	43.50	-19.13
3	274.36	1.79	12.79	26.47	37.32	25.43	46.00	-20.57
4	303.30	1.91	14.02	26.42	41.70	31.21	46.00	-14.79
5	629.11	2.76	20.52	27.50	30.40	26.18	46.00	-19.82
6	774.40	3.13	21.99	27.33	29.51	27.30	46.00	-18.70



Report No.: SZEM141000589301

Page: 111 of 181

For adapter No.: SW36-12003000-W									
Test mode:	Transmitting mode	Test Channel:	Lowest	Remark:	Vertical				



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR

98.60

1.19

9.04

1

Mode : 2412 TX mode : SW36-12003000-W

> Cable Ant Preamp Limit 0ver Read Freq Loss Factor Factor Level Level Line Limit dBuV dBuV/m dBuV/m MHz dB dB/m dB dB 30.80 39.90 0.60 18.25 27.35 31.40 40.00 -8.60

> > 49.60

32.63

43.50 -10.87

143.10 1.30 8.38 26.94 45.70 28.44 43.50 -15.06 193.80 10.14 27.41 43.50 -16.09 1.39 26.72 42.60 5 531.50 2.63 18.60 27.65 36.31 29.89 46.00 -16.11 815.78 3.27 22.29 27.20 33.80 32.16 46.00 -13.84

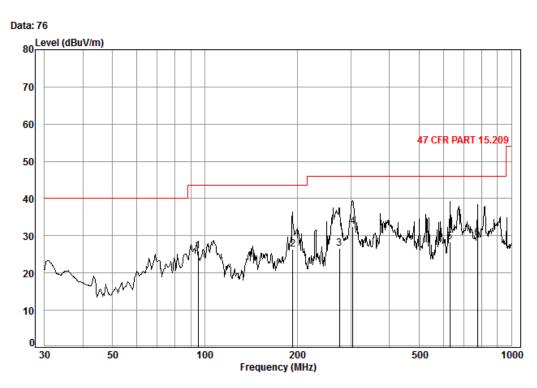
27.20



Report No.: SZEM141000589301

Page: 112 of 181

Test mode: Transmitting mode Test Channel: Lowest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2412 TX mode

: SW36-12003000-W

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	95.00	1.15	8.90	27.21	43.19	26.03	43.50	-17.47
2	193.50	1.39	10.14	26.72	41.67	26.48	43.50	-17.02
3	274.90	1.79	12.80	26.47	38.38	26.50	46.00	-19.50
4	303.70	1.91	14.03	26.42	42.94	32.46	46.00	-13.54
5	629.20	2.76	20.52	27.50	32.49	28.27	46.00	-17.73
6	774.40	3.13	21.99	27.33	31.58	29.37	46.00	-16.63

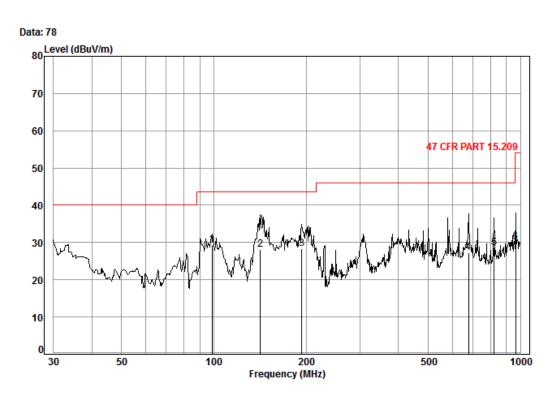




Report No.: SZEM141000589301

Page: 113 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Vertical



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR Mode : 2437 TX mode

: SW36-12003000-W

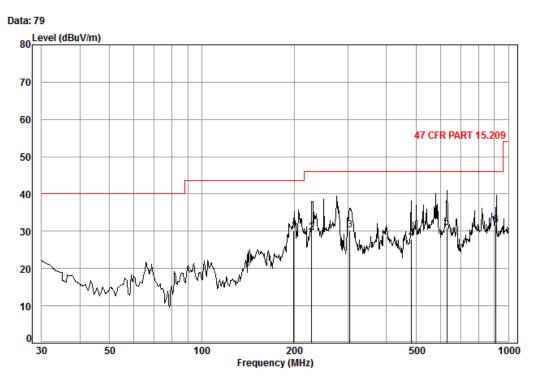
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	98.60	1.19	9.04	27.20	46.50	29.53	43.50	-13.97
2	141.80	1.30	8.26	26.95	45.48	28.09	43.50	-15.41
3	193.45	1.39	10.13	26.72	43.61	28.41	43.50	-15.09
4	677.80	2.86	21.42	27.44	30.50	27.34	46.00	-18.66
5	821.40	3.29	22.36	27.16	30.10	28.59	46.00	-17.41
6	965.10	3.67	23.30	26.47	29.59	30.09	54.00	-23.91



Report No.: SZEM141000589301

Page: 114 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2437 TX mode

: SW36-12003000-W

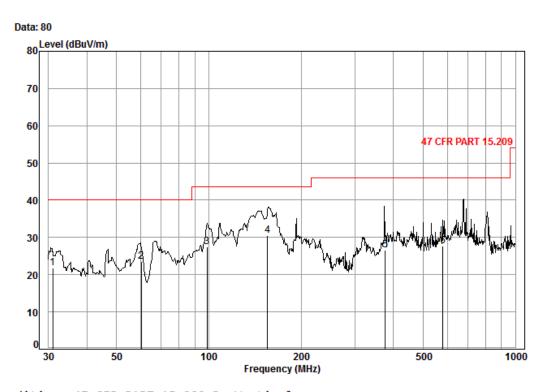
				-				
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
					— <u>——</u>		ID 1//	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	199.60	1.40	10.20	26.70	45.20	30.10	43.50	-13.40
2	228.04	1.56	11.60	26.60	43.10	29.66	46.00	-16.34
3	303.70	1.91	14.03	26.42	40.70	30.22	46.00	-15.78
4	482.60	2.54	17.80	27.62	35.20	27.92	46.00	-18.08
5	629.20	2.76	20.52	27.50	35.10	30.88	46.00	-15.12
6	912.10	3.61	23.25	26.71	31.50	31.65	46.00	-14.35



Report No.: SZEM141000589301

Page: 115 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Vertical



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR Mode : 2462 TX mode

: SW36-12003000-W

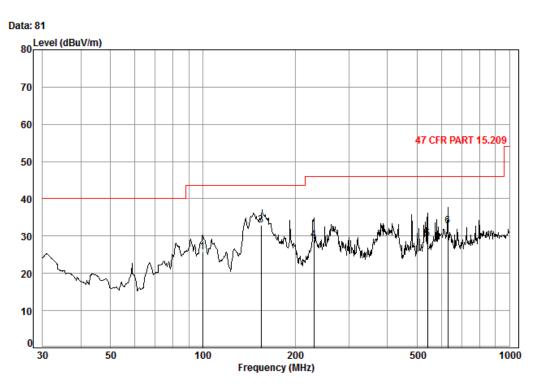
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	——dB	-dPuV	dBuV/m	dDuV/m	dB
	MUZ	ub	ub/III	ub	ubuv	ubuv/III	ubuv/III	ub
1	31.00	0.60	18.14	27.35	30.51	21.90	40.00	-18.10
2	60.20	0.80	7.19	27.27	42.81	23.53	40.00	-16.47
3	98.56	1.19	9.04	27.20	44.36	27.39	43.50	-16.11
4	155.64	1.33	9.34	26.88	46.66	30.45	43.50	-13.05
5	375.99	2.13	16.01	26.97	35.44	26.61	46.00	-19.39
6	580.26	2.68	19.25	27.57	33.25	27.61	46.00	-18.39



Report No.: SZEM141000589301

Page: 116 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2462 TX mode

: SW36-12003000-W

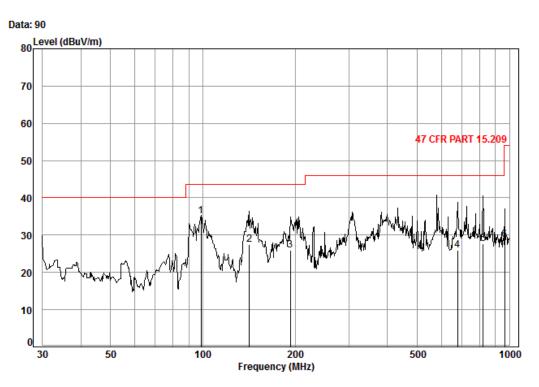
	. 3.130 12003000 11									
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	99.83	1.20	9.09	27.20	42.61	25.70	43.50	-17.80		
2	146.35	1.31	8.67	26.93	-0.99	-17.94	43.50	-61.44		
3	155.01	1.33	9.30	26.88	49.22	32.97	43.50	-10.53		
4	230.05	1.57	11.66	26.59	42.25	28.89	46.00	-17.11		
5	541.36	2.64	18.76	27.63	35.52	29.29	46.00	-16.71		
6	629.72	2.76	20.52	27.50	36.88	32.66	46.00	-13.34		



Report No.: SZEM141000589301

Page: 117 of 181

For adapter No.: WHF-1200300T3										
Test mode:	Transmitting mode	Test Channel:	Lowest	Remark:	Vertical					



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR

Mode : 2412 TX mode

: WHF-1200300T3

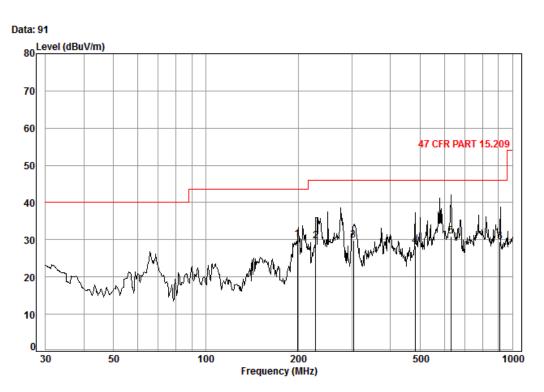
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
	00.56	4 40	0.04	27.20	F0 43	35.46	43.50	0.34
1	98.56	1.19	9.04	27.20	52.13	35.16	43.50	-8.34
2	141.82	1.30	8.26	26.95	44.92	27.53	43.50	-15.97
3	193.21	1.39	10.13	26.72	41.21	26.01	43.50	-17.49
4	677.22	2.86	21.42	27.44	29.12	25.96	46.00	-20.04
5	821.41	3.29	22.36	27.16	29.16	27.65	46.00	-18.35
6	965.21	3.67	23.30	26.47	28.20	28.70	54.00	-25.30



Report No.: SZEM141000589301

Page: 118 of 181

Test mode: Transmitting mode Test Channel: Lowest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2412 TX mode : WHF-1200300T3

> Cable Ant Preamp Limit 0ver Freq Loss Factor Factor Level Level Line Limit MHz dB dBuV dBuV/m dBuV/m dB dB dB/m

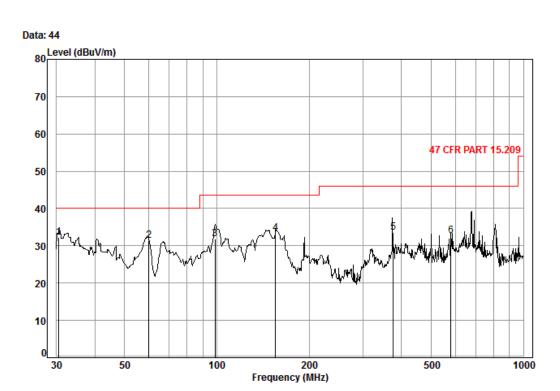
1	199.12	1.40	10.19	26.70	45.12	30.01	43.50 -13.49
2	228.12	1.56	11.60	26.60	43.14	29.70	46.00 -16.30
3	303.14	1.91	14.01	26.42	40.31	29.81	46.00 -16.19
4	482.14	2.54	17.80	27.62	35.64	28.36	46.00 -17.64
5	629.14	2.76	20.52	27.50	35.14	30.92	46.00 -15.08
6	912.34	3.61	23.25	26.71	29.17	29.32	46.00 -16.68



Report No.: SZEM141000589301

Page: 119 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Vertical



Condition: 47 CFR PART 15.209 3m 3142C Vertical

Job No. : 5893CR

Mode : 2437 TX mode

: WHF-1200300T3

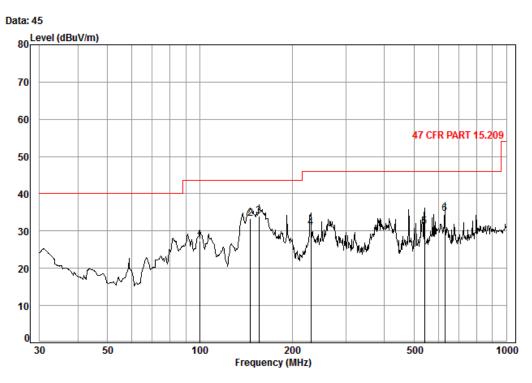
Ant Preamp Cable Read Limit Over Freq Loss Factor Factor Level Level Line Limit Remark MHz dB dB/m dB dBuV dBuV/m dBuV/m 30.53 0.60 18.40 27.35 40.52 32.17 40.00 60.07 0.80 7.20 27.27 50.74 31.47 40.00 -8.533 98.83 1.19 9.05 27.20 48.75 31.79 43.50 -11.71 4 155.36 1.33 9.32 26.88 49.68 33.45 43.50 -10.05 5 375.94 2.13 16.01 26.97 42.43 33.60 46.00 -12.40 2.68 580.70 19.26 27.57 38.26 32.63 46.00 -13.37



Report No.: SZEM141000589301

Page: 120 of 181

Test mode: Transmitting mode Test Channel: Middle Remark: Horizontal



Condition: 47 CFR PART 15.209 3m 3142C Horizontal

Job No. : 5893CR

Mode : 2437 TX mode

WHF-1200300T3

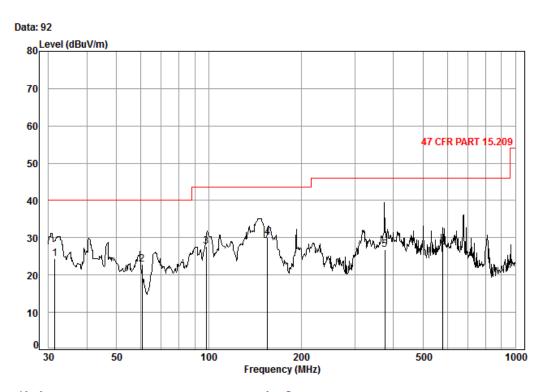
Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m dB dB 99.88 27.20 43.50 -16.20 1.20 9.10 44.20 27.30 43.50 -10.23 2 146.37 8.67 26.93 50.22 33.27 1.31 3 155.91 9.35 26.88 50.21 34.01 43.50 -9.49 1.33 230.10 1.57 11.66 26.59 44.26 30.90 46.00 -15.10 37.32 31.09 46.00 -14.91 541.37 2.64 18.76 27.63 629.48 2.76 20.52 27.50 38.89 34.67 46.00 -11.33



Report No.: SZEM141000589301

Page: 121 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Vertical



Condition: 47 CFR PART 15.209 3m Vertical

Job No. : 5893CR

Mode : 2462 TX mode

: WHF-1200300T3

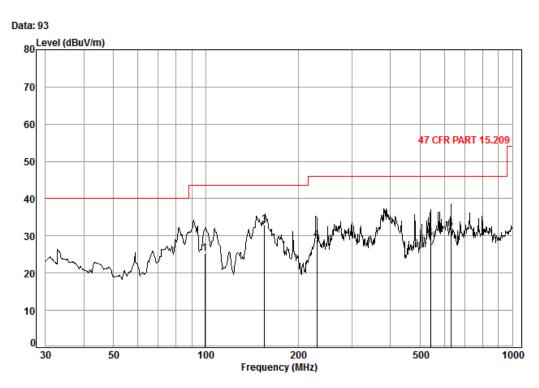
	Frea			Preamp Factor				Over Limit
	MHz	dB		dB		dBuV/m		dB
			•			•	•	
1	31.47	0.60	17.88	27.35	33.21	24.34	40.00	-15.66
2	60.60	0.80	7.18	27.27	42.23	22.94	40.00	-17.06
3	98.14	1.18	9.03	27.20	44.77	27.78	43.50	-15.72
4	155.36	1.33	9.32	26.88	46.35	30.12	43.50	-13.38
5	375.54	2.13	16.01	26.97	35.60	26.77	46.00	-19.23
6	580.62	2.68	19.26	27.57	33.16	27.53	46.00	-18.47



Report No.: SZEM141000589301

Page: 122 of 181

Test mode: Transmitting mode Test Channel: Highest Remark: Horizontal



Condition: 47 CFR PART 15.209 3m Horizontal

Job No. : 5893CR

Mode : 2462 TX mode

WHE-1200300T3

	. WITE	1200	50015					
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	99.31	1.19	9.07	27.20	42.30	25.36	43.50	-18.14
2	146.35	1.31	8.67	26.93	-0.99	-17.94	43.50	-61.44
3	155.20	1.33	9.31	26.88	49.20	32.96	43.50	-10.54
4	230.47	1.57	11.68	26.59	42.35	29.01	46.00	-16.99
5	541.47	2.64	18.76	27.63	35.35	29.12	46.00	-16.88
6	629.78	2.76	20.52	27.50	36.14	31.92	46.00	-14.08





Report No.: SZEM141000589301

Page: 123 of 181

6.8.2 Transmitter emission above 1GHz

For adapter No.: F12W3-120100SPAU										
Test mode:	802	.11b	Test ch	annel:	Lowest	Remark	:	Peak		
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
3732.570	6.84	33.10	38.84	46.69	47.79	74	-26.21	Vertical		
4824.000	6.46	34.72	39.24	47.59	49.53	74	-24.47	Vertical		
5913.378	7.95	36.13	39.19	48.03	52.92	74	-21.08	Vertical		
7236.000	8.96	35.60	39.06	43.76	49.26	74	-24.74	Vertical		
9648.000	9.97	37.45	37.91	43.83	53.34	74	-20.66	Vertical		
11639.160	10.45	38.34	38.53	41.78	52.04	74	-21.96	Vertical		
3636.612	6.89	33.03	38.80	47.00	48.12	74	-25.88	Horizontal		
4824.000	6.46	34.72	39.24	48.67	50.61	74	-23.39	Horizontal		
5999.562	8.08	36.30	39.18	47.79	52.99	74	-21.01	Horizontal		
7236.000	8.96	35.60	39.06	44.24	49.74	74	-24.26	Horizontal		
9648.000	9.97	37.45	37.91	42.12	51.63	74	-22.37	Horizontal		
11656.010	10.46	38.36	38.54	42.32	52.60	74	-21.40	Horizontal		

Test mode:	802	.11b	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3589.562	6.92	32.99	38.78	47.36	48.49	74	-25.51	Vertical
4874.000	6.57	34.77	39.26	48.64	50.72	74	-23.28	Vertical
5964.939	8.03	36.23	39.19	48.79	53.86	74	-20.14	Vertical
7311.000	9.06	35.52	39.06	43.61	49.13	74	-24.87	Vertical
9748.000	9.91	37.76	37.85	41.49	51.31	74	-22.69	Vertical
11488.580	10.39	38.22	38.46	42.22	52.37	74	-21.63	Vertical
3716.403	6.84	33.09	38.84	47.79	48.88	74	-25.12	Horizontal
4874.000	6.57	34.77	39.26	49.29	51.37	74	-22.63	Horizontal
5930.516	7.97	36.17	39.19	47.57	52.52	74	-21.48	Horizontal
7311.000	9.06	35.52	39.06	47.11	52.63	74	-21.37	Horizontal
9748.000	9.91	37.76	37.85	41.42	51.24	74	-22.76	Horizontal
11588.750	10.43	38.29	38.51	42.63	52.84	74	-21.16	Horizontal



Report No.: SZEM141000589301

Page: 124 of 181

Test mode:	80	2.11b	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3792.453	6.80	33.14	38.87	47.96	49.03	74	-24.97	Vertical
4924.000	6.68	34.82	39.28	48.09	50.31	74	-23.69	Vertical
5879.252	7.89	36.07	39.20	47.44	52.20	74	-21.80	Vertical
7386.000	9.16	35.44	39.05	44.26	49.81	74	-24.19	Vertical
9848.000	9.85	38.06	37.79	42.16	52.28	74	-21.72	Vertical
11723.670	10.49	38.43	38.57	42.67	53.02	74	-20.98	Vertical
3748.808	6.83	33.11	38.85	47.95	49.04	74	-24.96	Horizontal
4924.000	6.68	34.82	39.28	48.69	50.91	74	-23.09	Horizontal
5879.252	7.89	36.07	39.20	47.44	52.20	74	-21.80	Horizontal
7386.000	9.16	35.44	39.05	47.83	53.38	74	-20.62	Horizontal
9848.000	9.85	38.06	37.79	42.16	52.28	74	-21.72	Horizontal
11656.010	10.46	38.36	38.54	43.13	53.41	74	-20.59	Horizontal

Test mode: 80		.11g	Test channel:		Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3886.896	6.75	33.30	38.91	47.57	48.71	74	-25.29	Vertical
4824.000	6.46	34.72	39.24	48.64	50.58	74	-23.42	Vertical
6016.949	8.08	36.28	39.18	47.14	52.32	74	-21.68	Vertical
7236.000	8.96	35.60	39.06	43.24	48.74	74	-25.26	Vertical
9648.000	9.97	37.45	37.91	42.12	51.63	74	-22.37	Vertical
11405.760	10.37	38.15	38.42	42.82	52.92	74	-21.08	Vertical
3620.861	6.90	33.02	38.79	48.12	49.25	74	-24.75	Horizontal
4824.000	6.46	34.72	39.24	49.31	51.25	74	-22.75	Horizontal
5973.576	8.04	36.25	39.19	46.99	52.09	74	-21.91	Horizontal
7236.000	8.96	35.60	39.06	44.69	50.19	74	-23.81	Horizontal
9648.000	9.97	37.45	37.91	42.61	52.12	74	-21.88	Horizontal
11488.580	10.39	38.22	38.46	43.19	53.34	74	-20.66	Horizontal



Report No.: SZEM141000589301

Page: 125 of 181

Test mode:	802	.11g	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3689.614	6.86	33.07	38.82	47.06	48.17	74	-25.83	Vertical
4874.000	6.57	34.77	39.26	48.55	50.63	74	-23.37	Vertical
5964.939	8.03	36.23	39.19	46.99	52.06	74	-21.94	Vertical
7311.000	9.06	35.52	39.06	44.06	49.58	74	-24.42	Vertical
9748.000	9.91	37.76	37.85	41.92	51.74	74	-22.26	Vertical
11505.210	10.39	38.23	38.47	42.15	52.30	74	-21.70	Vertical
3770.567	6.81	33.13	38.86	48.04	49.12	74	-24.88	Horizontal
4874.000	6.57	34.77	39.26	48.59	50.67	74	-23.33	Horizontal
5982.226	8.05	36.27	39.19	48.06	53.19	74	-20.81	Horizontal
7311.000	9.06	35.52	39.06	47.44	52.96	74	-21.04	Horizontal
9748.000	9.91	37.76	37.85	42.46	52.28	74	-21.72	Horizontal
11405.760	10.37	38.15	38.42	43.01	53.11	74	-20.89	Horizontal

Test mode: 802		.11g	Test ch	Test channel:		Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3836.607	6.78	33.22	38.89	46.37	47.48	74	-26.52	Vertical
4924.000	6.68	34.82	39.28	47.52	49.74	74	-24.26	Vertical
6087.002	8.06	36.20	39.17	48.55	53.64	74	-20.36	Vertical
7386.000	9.16	35.44	39.05	43.14	48.69	74	-25.31	Vertical
9848.000	9.85	38.06	37.79	42.76	52.88	74	-21.12	Vertical
11706.720	10.48	38.41	38.56	43.04	53.37	74	-20.63	Vertical
3517.580	6.96	32.91	38.75	46.42	47.54	74	-26.46	Horizontal
4924.000	6.68	34.82	39.28	47.74	49.96	74	-24.04	Horizontal
5913.378	7.95	36.13	39.19	49.02	53.91	74	-20.09	Horizontal
7386.000	9.16	35.44	39.05	45.57	51.12	74	-22.88	Horizontal
9848.000	9.85	38.06	37.79	40.62	50.74	74	-23.26	Horizontal
11639.160	10.45	38.34	38.53	41.68	51.94	74	-22.06	Horizontal



Report No.: SZEM141000589301

Page: 126 of 181

Test mode:	802	2.11n(HT20)	Test ch	annel:	Lowest	Remark	Remark:	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3673.633	6.87	33.06	38.82	45.99	47.10	74	-26.90	Vertical
4824.000	6.46	34.72	39.24	47.06	49.00	74	-25.00	Vertical
6087.002	8.06	36.20	39.17	48.33	53.42	74	-20.58	Vertical
7236.000	8.96	35.60	39.06	45.62	51.12	74	-22.88	Vertical
9648.000	9.97	37.45	37.91	41.23	50.74	74	-23.26	Vertical
11963.580	10.59	38.66	38.68	43.08	53.65	74	-20.35	Vertical
3737.975	6.83	33.10	38.84	47.95	49.04	74	-24.96	Horizontal
4824.000	6.46	34.72	39.24	47.97	49.91	74	-24.09	Horizontal
5964.939	8.03	36.23	39.19	48.87	53.94	74	-20.06	Horizontal
7236.000	8.96	35.60	39.06	46.15	51.65	74	-22.35	Horizontal
9648.000	9.97	37.45	37.91	42.22	51.73	74	-22.27	Horizontal
11521.870	10.40	38.24	38.48	42.55	52.71	74	-21.29	Horizontal

Test mode:	802	802.11n(HT20)		annel:	Middle	Remark	-	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3673.633	6.87	33.06	38.82	48.83	49.94	74	-24.06	Vertical
4874.000	6.57	34.77	39.26	48.92	51.00	74	-23.00	Vertical
5845.324	7.84	36.00	39.20	47.62	52.26	74	-21.74	Vertical
7311.000	9.06	35.52	39.06	44.61	50.13	74	-23.87	Vertical
9748.000	9.91	37.76	37.85	41.84	51.66	74	-22.34	Vertical
11605.530	10.44	38.31	38.52	42.36	52.59	74	-21.41	Vertical
3716.403	6.84	33.09	38.84	45.99	47.08	74	-26.92	Horizontal
4874.000	6.57	34.77	39.26	48.22	50.30	74	-23.70	Horizontal
6087.002	8.06	36.20	39.17	47.41	52.50	74	-21.50	Horizontal
7311.000	9.06	35.52	39.06	46.93	52.45	74	-21.55	Horizontal
9748.000	9.91	37.76	37.85	39.47	49.29	74	-24.71	Horizontal
11032.430	10.29	38.10	38.24	40.39	50.54	74	-23.46	Horizontal



Report No.: SZEM141000589301

Page: 127 of 181

Test mode:		802.	.11n(HT20)	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cab Los (dB	s	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3457.032	7.0	5	32.84	38.72	47.31	48.48	74	-25.52	Vertical
4924.000	6.6	8	34.82	39.28	48.12	50.34	74	-23.66	Vertical
5828.433	7.8	1	35.97	39.20	49.42	54.00	74	-20.00	Vertical
7386.000	9.1	6	35.44	39.05	46.45	52.00	74	-22.00	Vertical
9848.000	9.8	5	38.06	37.79	41.99	52.11	74	-21.89	Vertical
11356.360	10.3	36	38.14	38.40	42.97	53.07	74	-20.93	Vertical
3663.017	6.8	7	33.05	38.81	47.49	48.60	74	-25.40	Horizontal
4924.000	6.6	8	34.82	39.28	48.41	50.63	74	-23.37	Horizontal
6016.949	8.0	8	36.28	39.18	47.30	52.48	74	-21.52	Horizontal
7386.000	9.1	6	35.44	39.05	47.00	52.55	74	-21.45	Horizontal
9848.000	9.8	5	38.06	37.79	42.52	52.64	74	-21.36	Horizontal
11422.280	10.3	37	38.17	38.43	43.15	53.26	74	-20.74	Horizontal

Test mode:	8	02.11n(HT40)	Test ch	annel:	Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3765.116	6.82	33.12	38.86	46.70	47.78	74	-26.22	Vertical
4844.000	6.51	34.74	39.25	48.31	50.31	74	-23.69	Vertical
6078.201	8.06	36.21	39.18	48.06	53.15	74	-20.85	Vertical
7266.000	9.00	35.57	39.06	43.97	49.48	74	-24.52	Vertical
9688.000	9.94	37.57	37.88	41.96	51.59	74	-22.41	Vertical
11622.330	10.44	38.32	38.52	42.29	52.53	74	-21.47	Vertical
3847.726	6.77	33.24	38.89	49.32	50.44	74	-23.56	Horizontal
4844.000	6.51	34.74	39.25	49.65	51.65	74	-22.35	Horizontal
5913.378	7.95	36.13	39.19	47.47	52.36	74	-21.64	Horizontal
7266.000	9.00	35.57	39.06	44.37	49.88	74	-24.12	Horizontal
9688.000	9.94	37.57	37.88	43.13	52.76	74	-21.24	Horizontal
11538.550	10.41	38.25	38.48	42.39	52.57	74	-21.43	Horizontal



Report No.: SZEM141000589301

Page: 128 of 181

Test mode:		802.	.11n(HT40)	Test ch	annel:	annel: Middle		:	Peak
Frequency (MHz)	Cab Los (dB	s	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3678.952	6.8	7	33.06	38.82	48.36	49.47	74	-24.53	Vertical
4874.000	6.5	7	34.77	39.26	49.31	51.39	74	-22.61	Vertical
5999.562	8.0	8	36.30	39.18	48.13	53.33	74	-20.67	Vertical
7311.000	9.0	6	35.52	39.06	44.67	50.19	74	-23.81	Vertical
9748.000	9.9	1	37.76	37.85	41.78	51.60	74	-22.40	Vertical
11605.530	10.4	14	38.31	38.52	42.87	53.10	74	-20.90	Vertical
3748.808	6.8	3	33.11	38.85	48.51	49.60	74	-24.40	Horizontal
4874.000	6.5	7	34.77	39.26	48.49	50.57	74	-23.43	Horizontal
5930.516	7.9	7	36.17	39.19	47.61	52.56	74	-21.44	Horizontal
7311.000	9.0	6	35.52	39.06	45.91	51.43	74	-22.57	Horizontal
9748.000	9.9	1	37.76	37.85	42.12	51.94	74	-22.06	Horizontal
11372.800	10.3	36	38.15	38.41	42.79	52.89	74	-21.11	Horizontal

Test mode:	8	302.11n(HT	11n(HT40) Test channel:		Highest	Remark	:	Peak
Frequency (MHz)	Cabl Loss (dB)	Factor	Factor	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3527.774	6.95	32.92	38.75	49.44	50.56	74	-23.44	Vertical
4904.000	6.64	34.81	39.27	50.82	53.00	74	-21.00	Vertical
5964.939	8.03	36.23	39.19	47.43	52.50	74	-21.50	Vertical
7356.000	9.12	35.47	39.05	44.27	49.81	74	-24.19	Vertical
9808.000	9.88	37.94	37.81	42.32	52.33	74	-21.67	Vertical
11672.890	10.4	7 38.37	38.55	43.07	53.36	74	-20.64	Vertical
3467.050	7.03	32.86	38.73	49.31	50.47	74	-23.53	Horizontal
4904.000	6.64	34.81	39.27	49.57	51.75	74	-22.25	Horizontal
5990.888	8.07	36.28	39.18	47.49	52.66	74	-21.34	Horizontal
7356.000	9.12	2 35.47	39.05	46.78	52.32	74	-21.68	Horizontal
9808.000	9.88	37.94	37.81	42.32	52.33	74	-21.67	Horizontal
11372.800	10.3	6 38.15	38.41	43.34	53.44	74	-20.56	Horizontal



Report No.: SZEM141000589301

Page: 129 of 181

For adapter	No.: S24	B12-120A2	00-Y4					
Test mode:	802	.11b	Test ch	annel:	Lowest Remark:		:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3892.524	6.75	33.31	38.91	46.68	47.83	74	-26.17	Vertical
4824.000	6.46	34.72	39.24	47.75	49.69	74	-24.31	Vertical
5964.939	8.03	36.23	39.19	48.02	53.09	74	-20.91	Vertical
7236.000	8.96	35.60	39.06	47.45	52.95	74	-21.05	Vertical
9648.000	9.97	37.45	37.91	41.96	51.47	74	-22.53	Vertical
11757.650	10.50	38.46	38.59	43.32	53.69	74	-20.31	Vertical
3548.251	6.94	32.94	38.76	48.07	49.19	74	-24.81	Horizontal
4824.000	6.46	34.72	39.24	48.97	50.91	74	-23.09	Horizontal
5913.378	7.95	36.13	39.19	47.95	52.84	74	-21.16	Horizontal
7236.000	8.96	35.60	39.06	48.09	53.59	74	-20.41	Horizontal
9648.000	9.97	37.45	37.91	42.19	51.70	74	-22.30	Horizontal
11656.010	10.46	38.36	38.54	42.32	52.60	74	-21.40	Horizontal

Test mode:	802	.11b	Test ch	annel:	Middle	e Remark:		Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3548.251	6.94	32.94	38.76	48.07	49.19	74	-24.81	Vertical
4874.000	6.57	34.77	39.26	48.09	50.17	74	-23.83	Vertical
5913.378	7.95	36.13	39.19	47.95	52.84	74	-21.16	Vertical
7311.000	9.06	35.52	39.06	47.42	52.94	74	-21.06	Vertical
9748.000	9.91	37.76	37.85	41.88	51.70	74	-22.30	Vertical
11656.010	10.46	38.36	38.54	42.32	52.60	74	-21.40	Vertical
3631.354	6.89	33.02	38.80	48.44	49.55	74	-24.45	Horizontal
4874.000	6.57	34.77	39.26	48.92	51.00	74	-23.00	Horizontal
5913.378	7.95	36.13	39.19	47.85	52.74	74	-21.26	Horizontal
7311.000	9.06	35.52	39.06	47.11	52.63	74	-21.37	Horizontal
9648.000	9.97	37.45	37.91	42.23	51.74	74	-22.26	Horizontal
11422.280	10.37	38.17	38.43	43.30	53.41	74	-20.59	Horizontal



Report No.: SZEM141000589301

Page: 130 of 181

Test mode:	802	.11b	Test ch	annel:	Highest	Remark	Remark:	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3548.251	6.94	32.94	38.76	48.07	49.19	74	-24.81	Vertical
4924.000	6.68	34.82	39.28	48.71	50.93	74	-23.07	Vertical
5913.378	7.95	36.13	39.19	47.95	52.84	74	-21.16	Vertical
7386.000	9.16	35.44	39.05	46.40	51.95	74	-22.05	Vertical
9848.000	9.85	38.06	37.79	42.16	52.28	74	-21.72	Vertical
11488.580	10.39	38.22	38.46	43.19	53.34	74	-20.66	Vertical
3641.878	6.89	33.03	38.80	47.62	48.74	74	-25.26	Horizontal
4924.000	6.68	34.82	39.28	48.69	50.91	74	-23.09	Horizontal
5913.378	7.95	36.13	39.19	47.95	52.84	74	-21.16	Horizontal
7386.000	9.16	35.44	39.05	47.39	52.94	74	-21.06	Horizontal
9848.000	9.85	38.06	37.79	42.16	52.28	74	-21.72	Horizontal
11389.270	10.37	38.15	38.41	42.97	53.08	74	-20.92	Horizontal

Test mode:	est mode: 802.11g Te		Test ch	annel:	Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3652.432	6.88	33.04	38.81	48.32	49.43	74	-24.57	Vertical
4824.000	6.46	34.72	39.24	49.93	51.87	74	-22.13	Vertical
5913.378	7.95	36.13	39.19	47.85	52.74	74	-21.26	Vertical
7236.000	8.96	35.60	39.06	46.40	51.90	74	-22.10	Vertical
9648.000	9.97	37.45	37.91	42.18	51.69	74	-22.31	Vertical
11128.630	10.31	38.11	38.29	42.83	52.96	74	-21.04	Vertical
3814.467	6.79	33.18	38.88	48.30	49.39	74	-24.61	Horizontal
4824.000	6.46	34.72	39.24	49.31	51.25	74	-22.75	Horizontal
5913.378	7.95	36.13	39.19	48.95	53.84	74	-20.16	Horizontal
7236.000	8.96	35.60	39.06	47.46	52.96	74	-21.04	Horizontal
9648.000	9.97	37.45	37.91	42.61	52.12	74	-21.88	Horizontal
11488.580	10.39	38.22	38.46	43.19	53.34	74	-20.66	Horizontal



Report No.: SZEM141000589301

Page: 131 of 181

Test mode:	8	02.11g	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3417.246	7.13	32.80	38.70	48.97	50.20	74	-23.80	Vertical
4874.000	6.57	34.77	39.26	48.83	50.91	74	-23.09	Vertical
6016.949	8.08	36.28	39.18	47.08	52.26	74	-21.74	Vertical
7311.000	9.06	35.52	39.06	44.22	49.74	74	-24.26	Vertical
9748.000	9.91	37.76	37.85	42.46	52.28	74	-21.72	Vertical
11389.270	10.37	38.15	38.41	42.97	53.08	74	-20.92	Vertical
3903.804	6.74	33.33	38.91	48.03	49.19	74	-24.81	Horizontal
4874.000	6.57	34.77	39.26	48.09	50.17	74	-23.83	Horizontal
6087.002	8.06	36.20	39.17	47.44	52.53	74	-21.47	Horizontal
7311.000	9.06	35.52	39.06	46.92	52.44	74	-21.56	Horizontal
9748.000	9.91	37.76	37.85	41.88	51.70	74	-22.30	Horizontal
11757.650	10.50	38.46	38.59	42.24	52.61	74	-21.39	Horizontal

Test mode:	e: 802.11g Test channel: Highest Remark:		:	Peak				
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3417.246	7.13	32.80	38.70	48.97	50.20	74	-23.80	Vertical
4924.000	6.68	34.82	39.28	47.95	50.17	74	-23.83	Vertical
6016.949	8.08	36.28	39.18	47.08	52.26	74	-21.74	Vertical
7386.000	9.16	35.44	39.05	44.64	50.19	74	-23.81	Vertical
9848.000	9.85	38.06	37.79	42.07	52.19	74	-21.81	Vertical
11488.580	10.39	38.22	38.46	43.19	53.34	74	-20.66	Vertical
3748.808	6.83	33.11	38.85	47.95	49.04	74	-24.96	Horizontal
4924.000	6.68	34.82	39.28	48.71	50.93	74	-23.07	Horizontal
5811.590	7.79	35.93	39.20	47.97	52.49	74	-21.51	Horizontal
7386.000	9.16	35.44	39.05	47.81	53.36	74	-20.64	Horizontal
9848.000	9.85	38.06	37.79	42.16	52.28	74	-21.72	Horizontal
10873.950	10.21	37.99	38.16	42.91	52.95	74	-21.05	Horizontal



Report No.: SZEM141000589301

Page: 132 of 181

Test mode:	8	302. ⁻	11n(HT20)	n(HT20) Test channel:		Lowest	Remark		Peak
Frequency (MHz)	Cabl Loss (dB)	s	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3748.808	6.83	3	33.11	38.85	47.95	49.04	74	-24.96	Vertical
4824.000	6.46	6	34.72	39.24	48.94	50.88	74	-23.12	Vertical
6087.002	8.06	6	36.20	39.17	47.44	52.53	74	-21.47	Vertical
7236.000	8.96	6	35.60	39.06	44.69	50.19	74	-23.81	Vertical
9648.000	9.97	7	37.45	37.91	42.77	52.28	74	-21.72	Vertical
11656.010	10.4	6	38.36	38.54	43.13	53.41	74	-20.59	Vertical
3457.032	7.05	5	32.84	38.72	48.37	49.54	74	-24.46	Horizontal
4824.000	6.46	6	34.72	39.24	49.06	51.00	74	-23.00	Horizontal
6087.002	8.06	6	36.20	39.17	47.33	52.42	74	-21.58	Horizontal
7236.000	8.96	6	35.60	39.06	44.27	49.77	74	-24.23	Horizontal
9648.000	9.97	7	37.45	37.91	42.23	51.74	74	-22.26	Horizontal
11422.280	10.3	7	38.17	38.43	43.30	53.41	74	-20.59	Horizontal

Test mode:		802.	11n(HT20)	Test channel:		Middle	Remark	:	Peak
Frequency (MHz)	Cab Los (dE	SS	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3626.104	6.9	0	33.02	38.80	46.49	47.61	74	-26.39	Vertical
4874.000	6.5	57	34.77	39.26	47.62	49.70	74	-24.30	Vertical
6034.386	8.0	7	36.26	39.18	47.20	52.35	74	-21.65	Vertical
7311.000	9.0	6	35.52	39.06	41.61	47.13	74	-26.87	Vertical
9748.000	9.9	1	37.76	37.85	40.16	49.98	74	-24.02	Vertical
11723.670	10.4	49	38.43	38.57	43.61	53.96	74	-20.04	Vertical
3412.305	7.1	4	32.79	38.70	47.83	49.06	74	-24.94	Horizontal
4874.000	6.5	57	34.77	39.26	49.20	51.28	74	-22.72	Horizontal
5879.252	7.8	9	36.07	39.20	48.18	52.94	74	-21.06	Horizontal
7311.000	9.0	16	35.52	39.06	46.30	51.82	74	-22.18	Horizontal
9748.000	9.9)1	37.76	37.85	41.87	51.69	74	-22.31	Horizontal
11521.870	10.4	40	38.24	38.48	42.95	53.11	74	-20.89	Horizontal



Report No.: SZEM141000589301

Page: 133 of 181

Test mode:	802	2.11n(HT20)	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3477.098	7.01	32.87	38.73	48.03	49.18	74	-24.82	Vertical
4924.000	6.68	34.82	39.28	48.16	50.38	74	-23.62	Vertical
6034.386	8.07	36.26	39.18	47.45	52.60	74	-21.40	Vertical
7386.000	9.16	35.44	39.05	47.82	53.37	74	-20.63	Vertical
9848.000	9.85	38.06	37.79	41.65	51.77	74	-22.23	Vertical
11740.650	10.50	38.44	38.58	41.74	52.10	74	-21.90	Vertical
3631.354	6.89	33.02	38.80	47.95	49.06	74	-24.94	Horizontal
4924.000	6.68	34.82	39.28	48.88	51.10	74	-22.90	Horizontal
5870.752	7.88	36.05	39.20	48.37	53.10	74	-20.90	Horizontal
7386.000	9.16	35.44	39.05	47.13	52.68	74	-21.32	Horizontal
9648.000	9.97	37.45	37.91	42.07	51.58	74	-22.42	Horizontal
11538.550	10.41	38.25	38.48	42.11	52.29	74	-21.71	Horizontal

Test mode:	8	02.11n(HT40)	Test ch	annel:	Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	_	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3300.615	7.35	32.52	38.65	47.35	48.57	74	-25.43	Vertical
4844.000	6.51	34.74	39.25	47.38	49.38	74	-24.62	Vertical
5896.291	7.92	36.10	39.19	48.71	53.54	74	-20.46	Vertical
7266.000	9.00	35.57	39.06	46.62	52.13	74	-21.87	Vertical
9688.000	9.94	37.57	37.88	41.11	50.74	74	-23.26	Vertical
11389.270	10.37	38.15	38.41	41.35	51.46	74	-22.54	Vertical
3903.804	6.74	33.33	38.91	47.76	48.92	74	-25.08	Horizontal
4844.000	6.51	34.74	39.25	48.46	50.46	74	-23.54	Horizontal
6016.949	8.08	36.28	39.18	47.31	52.49	74	-21.51	Horizontal
7266.000	9.00	35.57	39.06	43.86	49.37	74	-24.63	Horizontal
9688.000	9.94	37.57	37.88	42.10	51.73	74	-22.27	Horizontal
10842.530	10.19	37.96	38.14	43.50	53.51	74	-20.49	Horizontal



Report No.: SZEM141000589301

Page: 134 of 181

Test mode:	802	2.11n(HT40)	Test ch	annel:	Middle	Remark	Remark:	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3610.398	6.90	33.01	38.79	48.61	49.73	74	-24.27	Vertical
4874.000	6.57	34.77	39.26	49.46	51.54	74	-22.46	Vertical
5736.401	7.67	35.76	39.21	49.52	53.74	74	-20.26	Vertical
7311.000	9.06	35.52	39.06	47.39	52.91	74	-21.09	Vertical
9748.000	9.91	37.76	37.85	41.84	51.66	74	-22.34	Vertical
11723.670	10.49	38.43	38.57	42.24	52.59	74	-21.41	Vertical
3631.354	6.89	33.02	38.80	45.22	46.33	74	-27.67	Horizontal
4874.000	6.57	34.77	39.26	48.22	50.30	74	-23.70	Horizontal
5999.562	8.08	36.30	39.18	46.79	51.99	74	-22.01	Horizontal
7311.000	9.06	35.52	39.06	46.93	52.45	74	-21.55	Horizontal
9748.000	9.91	37.76	37.85	42.45	52.27	74	-21.73	Horizontal
11860.170	10.55	38.56	38.64	43.40	53.87	74	-20.13	Horizontal

Test mode:	8	302.11n(HT4	0) Test ch) Test channel:		Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	s Factor	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3636.612	6.89	33.03	38.80	48.54	49.66	74	-24.34	Vertical
4904.000	6.64	34.81	39.27	47.93	50.11	74	-23.89	Vertical
6025.661	8.07	36.27	39.18	47.26	52.42	74	-21.58	Vertical
7356.000	9.12	35.47	39.05	46.46	52.00	74	-22.00	Vertical
9808.000	9.88	37.94	37.81	42.10	52.11	74	-21.89	Vertical
11356.360	10.3	6 38.14	38.40	42.97	53.07	74	-20.93	Vertical
3574.015	6.93	32.97	38.77	48.16	49.29	74	-24.71	Horizontal
4904.000	6.64	34.81	39.27	49.26	51.44	74	-22.56	Horizontal
5939.103	7.99	36.18	39.19	47.69	52.67	74	-21.33	Horizontal
7356.000	9.12	2 35.47	39.05	46.71	52.25	74	-21.75	Horizontal
9808.000	9.88	37.94	37.81	42.63	52.64	74	-21.36	Horizontal
11438.810	10.3	8 38.18	38.44	42.83	52.95	74	-21.05	Horizontal



Report No.: SZEM141000589301

Page: 135 of 181

For adapter	No.	: SW:	36-1200300	0-W						
Test mode:		802	.11b	Test ch	annel:	Lowest		Remark:		Peak
Frequency (MHz)	Lo	ble ss B)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)		mit Line BuV/m)	Over Limit (dB)	Polarization
3454.486	3.	85	32.84	38.72	46.27	44.24		74	-29.76	Vertical
4824.000	4.	31	34.72	39.24	44.40	44.19		74	-29.81	Vertical
6001.768	5.	39	36.30	39.18	46.15	48.66		74	-25.34	Vertical
7236.000	5.	28	35.60	39.06	43.87	45.69		74	-28.31	Vertical
9648.000	6.	51	37.45	37.91	41.83	47.88		74	-26.12	Vertical
11692.920	7.	39	38.39	38.56	43.51	50.73		74	-23.27	Vertical
3893.520	4.	12	33.32	38.91	44.70	43.23		74	-30.77	Horizontal
4824.000	4.	31	34.72	39.24	44.40	44.19		74	-29.81	Horizontal
6032.401	5.	31	36.26	39.18	45.49	47.88		74	-26.12	Horizontal
7236.000	5.	28	35.60	39.06	43.15	44.97		74	-29.03	Horizontal
9648.000	6.	51	37.45	37.91	40.34	46.39		74	-27.61	Horizontal
12055.600	7.	12	38.77	38.75	42.10	49.24		74	-24.76	Horizontal

Test mode:	802	.11b	Test channel:		Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3579.815	4.13	32.98	38.78	44.68	43.01	74	-30.99	Vertical
4874.000	4.36	34.77	39.26	44.83	44.70	74	-29.30	Vertical
6001.768	5.39	36.30	39.18	45.32	47.83	74	-26.17	Vertical
7311.000	5.22	35.52	39.06	43.22	44.90	74	-29.10	Vertical
9748.000	6.49	37.76	37.85	42.77	49.17	74	-24.83	Vertical
12117.140	7.02	38.85	38.80	42.91	49.98	74	-24.02	Vertical
3709.691	4.06	33.08	38.83	45.47	43.78	74	-30.22	Horizontal
4874.000	4.36	34.77	39.26	50.22	50.09	74	-23.91	Horizontal
6032.401	5.31	36.26	39.18	46.22	48.61	74	-25.39	Horizontal
7311.000	5.22	35.52	39.06	44.65	46.33	74	-27.67	Horizontal
9748.000	6.49	37.76	37.85	41.40	47.80	74	-26.20	Horizontal
11283.550	7.60	38.13	38.36	43.92	51.29	74	-22.71	Horizontal



Report No.: SZEM141000589301

Page: 136 of 181

Test mode:	802	.11b	Test channel		Highest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3489.840	3.93	32.88	38.74	45.56	43.63	74	-30.37	Vertical
4924.000	4.40	34.82	39.28	47.60	47.54	74	-26.46	Vertical
6032.401	5.31	36.26	39.18	46.81	49.20	74	-24.80	Vertical
7386.000	5.15	35.44	39.05	45.13	46.67	74	-27.33	Vertical
9848.000	6.62	38.06	37.79	41.97	48.86	74	-25.14	Vertical
12556.750	6.82	39.24	39.17	44.29	51.18	74	-22.82	Vertical
3709.691	4.06	33.08	38.83	45.51	43.82	74	-30.18	Horizontal
4924.000	4.40	34.82	39.28	47.60	47.54	74	-26.46	Horizontal
5986.509	5.32	36.27	39.19	45.38	47.78	74	-26.22	Horizontal
7386.000	5.15	35.44	39.05	44.23	45.77	74	-28.23	Horizontal
9848.000	6.62	38.06	37.79	41.59	48.48	74	-25.52	Horizontal
11283.550	7.60	38.13	38.36	43.03	50.40	74	-23.60	Horizontal

Test mode:	802	.11g	Test cha	annel:	Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3709.691	4.06	33.08	38.83	46.27	44.58	74	-29.42	Vertical
4824.000	4.31	34.72	39.24	49.07	48.86	74	-25.14	Vertical
6172.197	4.96	36.11	39.17	46.91	48.81	74	-25.19	Vertical
7236.000	5.28	35.60	39.06	44.45	46.27	74	-27.73	Vertical
9648.000	6.51	37.45	37.91	42.02	48.07	74	-25.93	Vertical
11633.540	7.43	38.33	38.53	42.26	49.49	74	-24.51	Vertical
3552.582	4.07	32.95	38.76	43.98	42.24	74	-31.76	Horizontal
4824.000	4.31	34.72	39.24	47.17	46.96	74	-27.04	Horizontal
6017.064	5.35	36.28	39.18	45.79	48.24	74	-25.76	Horizontal
7236.000	5.28	35.60	39.06	43.74	45.56	74	-28.44	Horizontal
9648.000	6.51	37.45	37.91	41.91	47.96	74	-26.04	Horizontal
11633.540	7.43	38.33	38.53	42.26	49.49	74	-24.51	Horizontal



Report No.: SZEM141000589301

Page: 137 of 181

Test mode:	8	02.11g	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Factor	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3786.010	3.99	33.14	38.86	45.52	43.79	74	-30.21	Vertical
4874.000	4.36	34.77	39.26	49.56	49.43	74	-24.57	Vertical
6017.064	5.35	36.28	39.18	46.33	48.78	74	-25.22	Vertical
7311.000	5.22	35.52	39.06	44.44	46.12	74	-27.88	Vertical
9748.000	6.49	37.76	37.85	42.20	48.60	74	-25.40	Vertical
12055.600	7.12	38.77	38.75	43.18	50.32	74	-23.68	Vertical
3700.260	4.07	33.08	38.83	44.46	42.78	74	-31.22	Horizontal
4874.000	4.36	34.77	39.26	43.09	42.96	74	-31.04	Horizontal
6047.776	5.27	36.25	39.18	46.06	48.40	74	-25.60	Horizontal
7311.000	5.22	35.52	39.06	43.91	45.59	74	-28.41	Horizontal
9748.000	6.49	37.76	37.85	40.40	46.80	74	-27.20	Horizontal
11574.460	7.50	38.28	38.50	41.78	49.06	74	-24.94	Horizontal

Test mode:	802	.11g	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3690.853	4.08	33.07	38.82	45.84	44.17	74	-29.83	Vertical
4924.000	4.40	34.82	39.28	47.64	47.58	74	-26.42	Vertical
6078.644	5.19	36.21	39.18	46.88	49.10	74	-24.90	Vertical
7386.000	5.15	35.44	39.05	44.61	46.15	74	-27.85	Vertical
9848.000	6.62	38.06	37.79	41.79	48.68	74	-25.32	Vertical
12055.600	7.12	38.77	38.75	43.18	50.32	74	-23.68	Vertical
3598.087	4.17	33.00	38.78	44.20	42.59	74	-31.41	Horizontal
4924.000	4.40	34.82	39.28	47.53	47.47	74	-26.53	Horizontal
6078.644	5.19	36.21	39.18	46.46	48.68	74	-25.32	Horizontal
7386.000	5.15	35.44	39.05	44.38	45.92	74	-28.08	Horizontal
9848.000	6.62	38.06	37.79	38.71	45.60	74	-28.40	Horizontal
11399.030	7.86	38.15	38.42	40.90	48.49	74	-25.51	Horizontal



Report No.: SZEM141000589301

Page: 138 of 181

Test mode:	802	.11n(HT20)	n(HT20) Test channel: Lowest Remark:		:	Peak		
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3653.463	4.12	33.04	38.81	45.45	43.80	74	-30.20	Vertical
4824.000	4.31	34.72	39.24	44.47	44.26	74	-29.74	Vertical
6078.644	5.19	36.21	39.18	45.75	47.97	74	-26.03	Vertical
7236.000	5.28	35.60	39.06	43.13	44.95	74	-29.05	Vertical
9648.000	6.51	37.45	37.91	42.61	48.66	74	-25.34	Vertical
12055.600	7.12	38.77	38.75	43.56	50.70	74	-23.30	Vertical
3690.853	4.08	33.07	38.82	45.84	44.17	74	-29.83	Horizontal
4824.000	4.31	34.72	39.24	47.89	47.68	74	-26.32	Horizontal
6078.644	5.19	36.21	39.18	46.88	49.10	74	-24.90	Horizontal
7236.000	5.28	35.60	39.06	44.33	46.15	74	-27.85	Horizontal
9648.000	6.51	37.45	37.91	43.74	49.79	74	-24.21	Horizontal
12055.600	7.12	38.77	38.75	43.64	50.78	74	-23.22	Horizontal

Test mode: 802.11n(HT20) Test channel		annel:	Middle Remark:			Peak		
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3525.555	4.01	32.92	38.75	45.25	43.43	74	-30.57	Vertical
4874.000	4.36	34.77	39.26	43.91	43.78	74	-30.22	Vertical
5956.109	5.16	36.22	39.19	45.80	47.99	74	-26.01	Vertical
7311.000	5.22	35.52	39.06	43.79	45.47	74	-28.53	Vertical
9748.000	6.49	37.76	37.85	43.17	49.57	74	-24.43	Vertical
11692.920	7.39	38.39	38.56	41.88	49.10	74	-24.90	Vertical
3728.625	4.05	33.10	38.84	45.60	43.91	74	-30.09	Horizontal
4874.000	4.36	34.77	39.26	44.76	44.63	74	-29.37	Horizontal
5956.109	5.16	36.22	39.19	46.74	48.93	74	-25.07	Horizontal
7311.000	5.22	35.52	39.06	43.66	45.34	74	-28.66	Horizontal
9748.000	6.49	37.76	37.85	41.60	48.00	74	-26.00	Horizontal
11574.460	7.50	38.28	38.50	43.06	50.34	74	-23.66	Horizontal



Report No.: SZEM141000589301

Page: 139 of 181

Test mode:	802	2.11n(HT20) Test cha		annel:	annel: Highest		:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3333.545	3.77	32.61	38.67	45.82	43.53	74	-30.47	Vertical
4924.000	4.40	34.82	39.28	45.51	45.45	74	-28.55	Vertical
6017.064	5.35	36.28	39.18	46.79	49.24	74	-24.76	Vertical
7386.000	5.15	35.44	39.05	44.54	46.08	74	-27.92	Vertical
9848.000	6.62	38.06	37.79	42.10	48.99	74	-25.01	Vertical
11994.380	7.21	38.69	38.70	43.96	51.16	74	-22.84	Vertical
3525.555	4.01	32.92	38.75	45.25	43.43	74	-30.57	Horizontal
4924.000	4.40	34.82	39.28	45.51	45.45	74	-28.55	Horizontal
6017.064	5.35	36.28	39.18	46.79	49.24	74	-24.76	Horizontal
7386.000	5.15	35.44	39.05	44.21	45.75	74	-28.25	Horizontal
9848.000	6.62	38.06	37.79	41.96	48.85	74	-25.15	Horizontal
11994.380	7.21	38.69	38.70	43.96	51.16	74	-22.84	Horizontal

Test mode:	802	.11n(HT40)	Test channel:		Lowest	Remark	-	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3747.656	4.03	33.11	38.85	45.51	43.80	74	-30.20	Vertical
4844.000	4.33	34.74	39.25	44.88	44.70	74	-29.30	Vertical
6001.768	5.39	36.30	39.18	45.79	48.30	74	-25.70	Vertical
7266.000	5.25	35.57	39.06	43.41	45.17	74	-28.83	Vertical
9688.000	6.50	37.57	37.88	43.64	49.83	74	-24.17	Vertical
12117.140	7.02	38.85	38.80	43.51	50.58	74	-23.42	Vertical
3598.087	4.17	33.00	38.78	45.05	43.44	74	-30.56	Horizontal
4844.000	4.33	34.74	39.25	50.92	50.74	74	-23.26	Horizontal
5940.967	5.08	36.19	39.19	46.28	48.36	74	-25.64	Horizontal
7266.000	5.25	35.57	39.06	43.40	45.16	74	-28.84	Horizontal
9688.000	6.50	37.57	37.88	40.33	46.52	74	-27.48	Horizontal
11283.550	7.60	38.13	38.36	43.37	50.74	74	-23.26	Horizontal



Report No.: SZEM141000589301

Page: 140 of 181

Test mode:	802	2.11n(HT40)	.11n(HT40) Test channel:		Middle Remark:		:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3728.625	4.05	33.10	38.84	45.24	43.55	74	-30.45	Vertical
4874.000	4.36	34.77	39.26	47.99	47.86	74	-26.14	Vertical
6032.401	5.31	36.26	39.18	46.35	48.74	74	-25.26	Vertical
7311.000	5.22	35.52	39.06	44.43	46.11	74	-27.89	Vertical
9748.000	6.49	37.76	37.85	41.30	47.70	74	-26.30	Vertical
11994.380	7.21	38.69	38.70	43.54	50.74	74	-23.26	Vertical
3728.625	4.05	33.10	38.84	45.24	43.55	74	-30.45	Horizontal
4874.000	4.36	34.77	39.26	47.99	47.86	74	-26.14	Horizontal
6032.401	5.31	36.26	39.18	46.35	48.74	74	-25.26	Horizontal
7311.000	5.22	35.52	39.06	44.43	46.11	74	-27.89	Horizontal
9748.000	6.49	37.76	37.85	41.07	47.47	74	-26.53	Horizontal
12055.600	7.12	38.77	38.75	43.38	50.52	74	-23.48	Horizontal

Test mode:		802.	.11n(HT40)	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cab Los (dB	s	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3598.087	4.1	7	33.00	38.78	43.96	42.35	74	-31.65	Vertical
4904.000	4.4	0	34.82	39.28	43.43	43.37	74	-30.63	Vertical
6078.644	5.1	9	36.21	39.18	46.71	48.93	74	-25.07	Vertical
7356.000	5.1	5	35.44	39.05	43.57	45.11	74	-28.89	Vertical
9808.000	6.6	2	38.06	37.79	41.00	47.89	74	-26.11	Vertical
11812.580	7.3	2	38.51	38.61	42.07	49.29	74	-24.71	Vertical
3709.691	4.0	6	33.08	38.83	45.55	43.86	74	-30.14	Horizontal
4904.000	4.4	0	34.82	39.28	49.09	49.03	74	-24.97	Horizontal
6032.401	5.3	1	36.26	39.18	46.11	48.50	74	-25.50	Horizontal
7356.000	5.1	5	35.44	39.05	44.98	46.52	74	-27.48	Horizontal
9808.000	6.6	2	38.06	37.79	40.49	47.38	74	-26.62	Horizontal
12024.960	7.1	7	38.73	38.72	43.22	50.40	74	-23.60	Horizontal



Report No.: SZEM141000589301

Page: 141 of 181

For adapter No.: WHF-1200300T3									
Test mode:	Test mode: 802.11b		Test ch	Test channel: Lowest			Remark	-	Peak
Frequency (MHz)	Cable Loss (dB)	_	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)		nit Line BuV/m)	Over Limit (dB)	Polarization
3689.614	6.86	33.07	38.82	47.30	48.41		74	-25.59	Vertical
4824.000	6.46	34.72	39.24	48.71	50.65		74	-23.35	Vertical
5879.252	7.89	36.07	39.20	48.18	52.94		74	-21.06	Vertical
7236.000	8.96	35.60	39.06	46.82	52.32		74	-21.68	Vertical
9648.000	9.97	37.45	37.91	42.21	51.72		74	-22.28	Vertical
11339.940	10.36	38.14	38.39	42.25	52.36		74	-21.64	Vertical
3620.861	6.90	33.02	38.79	46.47	47.60		74	-26.40	Horizontal
4824.000	6.46	34.72	39.24	47.23	49.17		74	-24.83	Horizontal
5964.939	8.03	36.23	39.19	48.02	53.09		74	-20.91	Horizontal
7236.000	8.96	35.60	39.06	42.51	48.01		74	-25.99	Horizontal
9648.000	9.97	37.45	37.91	41.38	50.89		74	-23.11	Horizontal
11774.670	10.51	38.48	38.60	43.06	53.45		74	-20.55	Horizontal

Test mode:	802	.11b	Test ch	annel:	Middle	Remark	-	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3694.956	6.86	33.07	38.83	47.17	48.27	74	-25.73	Vertical
4874.000	6.57	34.77	39.26	47.38	49.46	74	-24.54	Vertical
5956.314	8.01	36.22	39.19	48.62	53.66	74	-20.34	Vertical
7311.000	9.06	35.52	39.06	43.36	48.88	74	-25.12	Vertical
9748.000	9.91	37.76	37.85	41.88	51.70	74	-22.30	Vertical
11405.760	10.37	38.15	38.42	43.01	53.11	74	-20.89	Vertical
3748.808	6.83	33.11	38.85	47.95	49.04	74	-24.96	Horizontal
4874.000	6.57	34.77	39.26	48.53	50.61	74	-23.39	Horizontal
5921.940	7.96	36.15	39.19	47.33	52.25	74	-21.75	Horizontal
7311.000	9.06	35.52	39.06	47.61	53.13	74	-20.87	Horizontal
9748.000	9.91	37.76	37.85	41.84	51.66	74	-22.34	Horizontal
11488.580	10.39	38.22	38.46	43.19	53.34	74	-20.66	Horizontal



Report No.: SZEM141000589301

Page: 142 of 181

Test mode:	802	2.11b	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3652.432	6.88	33.04	38.81	47.55	48.66	74	-25.34	Vertical
4924.000	6.68	34.82	39.28	48.50	50.72	74	-23.28	Vertical
5913.378	7.95	36.13	39.19	47.95	52.84	74	-21.16	Vertical
7386.000	9.16	35.44	39.05	43.80	49.35	74	-24.65	Vertical
9848.000	9.85	38.06	37.79	41.81	51.93	74	-22.07	Vertical
11505.210	10.39	38.23	38.47	42.25	52.40	74	-21.60	Vertical
3631.354	6.89	33.02	38.80	46.94	48.05	74	-25.95	Horizontal
4924.000	6.68	34.82	39.28	47.90	50.12	74	-23.88	Horizontal
5982.226	8.05	36.27	39.19	48.16	53.29	74	-20.71	Horizontal
7386.000	9.16	35.44	39.05	42.81	48.36	74	-25.64	Horizontal
9848.000	9.85	38.06	37.79	41.58	51.70	74	-22.30	Horizontal
11538.550	10.41	38.25	38.48	41.88	52.06	74	-21.94	Horizontal

Test mode:	802	.11g	Test ch	annel:	Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3814.113	4.95	33.18	38.88	48.06	47.31	74	-26.69	Vertical
4824.000	5.63	34.72	39.24	52.18	53.29	74	-20.71	Vertical
6088.229	6.55	36.20	39.17	48.86	52.44	74	-21.56	Vertical
7236.000	6.78	35.60	39.06	48.91	52.23	74	-21.77	Vertical
9648.000	8.91	37.45	37.91	44.48	52.93	74	-21.07	Vertical
12489.060	8.79	39.22	39.11	44.76	53.66	74	-20.34	Vertical
3719.627	5.01	33.09	38.84	48.11	47.37	74	-26.63	Horizontal
4824.000	5.63	34.72	39.24	50.91	52.02	74	-21.98	Horizontal
5980.114	6.59	36.26	39.19	48.58	52.24	74	-21.76	Horizontal
7236.000	6.78	35.60	39.06	48.79	52.11	74	-21.89	Horizontal
9648.000	8.91	37.45	37.91	43.37	51.82	74	-22.18	Horizontal
12179.670	9.01	38.93	38.85	44.49	53.58	74	-20.42	Horizontal





Report No.: SZEM141000589301

Page: 143 of 181

Test mode:	80	2.11g	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3364.519	4.64	32.69	38.68	49.03	47.68	74	-26.32	Vertical
4874.000	5.62	34.77	39.26	51.44	52.57	74	-21.43	Vertical
6154.034	6.42	36.13	39.17	49.22	52.60	74	-21.40	Vertical
7311.000	6.74	35.52	39.06	49.24	52.44	74	-21.56	Vertical
9748.000	8.85	37.76	37.85	44.22	52.98	74	-21.02	Vertical
12489.060	8.79	39.22	39.11	42.93	51.83	74	-22.17	Vertical
3706.322	5.02	33.08	38.83	47.33	46.60	74	-27.40	Horizontal
4874.000	5.62	34.77	39.26	51.93	53.06	74	-20.94	Horizontal
6110.085	6.50	36.18	39.17	49.14	52.65	74	-21.35	Horizontal
7311.000	6.74	35.52	39.06	49.95	53.15	74	-20.85	Horizontal
9748.000	8.85	37.76	37.85	44.15	52.91	74	-21.09	Horizontal
12399.870	8.65	39.20	39.04	42.58	51.39	74	-22.61	Horizontal

Test mode:	802	.11g	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3827.805	4.97	33.20	38.88	47.70	46.99	74	-27.01	Vertical
4924.000	5.61	34.82	39.28	49.78	50.93	74	-23.07	Vertical
6088.229	6.55	36.20	39.17	48.71	52.29	74	-21.71	Vertical
7386.000	6.70	35.44	39.05	48.93	52.02	74	-21.98	Vertical
9848.000	8.97	38.06	37.79	43.61	52.85	74	-21.15	Vertical
12136.100	9.08	38.87	38.82	42.40	51.53	74	-22.47	Vertical
3883.068	5.05	33.30	38.90	47.89	47.34	74	-26.66	Horizontal
4924.000	5.61	34.82	39.28	51.29	52.44	74	-21.56	Horizontal
6220.550	6.38	36.05	39.16	49.20	52.47	74	-21.53	Horizontal
7386.000	6.70	35.44	39.05	49.93	53.02	74	-20.98	Horizontal
9848.000	8.97	38.06	37.79	44.29	53.53	74	-20.47	Horizontal
12444.380	8.72	39.21	39.07	42.95	51.81	74	-22.19	Horizontal



Report No.: SZEM141000589301

Page: 144 of 181

Test mode:	80)2.11n(HT20)	Test ch	annel:	Lowest	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3814.467	6.79	33.18	38.88	46.68	47.77	74	-26.23	Vertical
4824.000	6.46	34.72	39.24	47.75	49.69	74	-24.31	Vertical
6016.949	8.08	36.28	39.18	47.55	52.73	74	-21.27	Vertical
7236.000	8.96	35.60	39.06	43.76	49.26	74	-24.74	Vertical
9648.000	9.97	37.45	37.91	41.50	51.01	74	-22.99	Vertical
11757.650	10.50	38.46	38.59	43.32	53.69	74	-20.31	Vertical
3786.970	6.80	33.14	38.86	47.48	48.56	74	-25.44	Horizontal
4824.000	6.46	34.72	39.24	48.67	50.61	74	-23.39	Horizontal
5973.576	8.04	36.25	39.19	46.97	52.07	74	-21.93	Horizontal
7236.000	8.96	35.60	39.06	43.71	49.21	74	-24.79	Horizontal
9648.000	9.97	37.45	37.91	41.96	51.47	74	-22.53	Horizontal
11389.270	10.37	38.15	38.41	42.97	53.08	74	-20.92	Horizontal

Test mode:	802	.11n(HT20)	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3548.251	6.94	32.94	38.76	48.07	49.19	74	-24.81	Vertical
4874.000	6.57	34.77	39.26	48.64	50.72	74	-23.28	Vertical
5982.226	8.05	36.27	39.19	47.16	52.29	74	-21.71	Vertical
7311.000	9.06	35.52	39.06	43.26	48.78	74	-25.22	Vertical
9748.000	9.91	37.76	37.85	41.32	51.14	74	-22.86	Vertical
11723.670	10.49	38.43	38.57	41.89	52.24	74	-21.76	Vertical
3803.444	6.80	33.16	38.87	48.15	49.24	74	-24.76	Horizontal
4874.000	6.57	34.77	39.26	49.29	51.37	74	-22.63	Horizontal
5904.828	7.93	36.12	39.19	48.47	53.33	74	-20.67	Horizontal
7311.000	9.06	35.52	39.06	47.10	52.62	74	-21.38	Horizontal
9748.000	9.91	37.76	37.85	41.67	51.49	74	-22.51	Horizontal
11488.580	10.39	38.22	38.46	43.08	53.23	74	-20.77	Horizontal



Report No.: SZEM141000589301

Page: 145 of 181

Test mode:		802.	.11n(HT20)	Test ch	annel:	Highest	Remark	:	Peak
Frequency (MHz)	Cab Los (dB	SS	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3574.015	6.9	3	32.97	38.77	47.45	48.58	74	-25.42	Vertical
4924.000	6.6	8	34.82	39.28	48.50	50.72	74	-23.28	Vertical
6016.949	8.0	8	36.28	39.18	48.08	53.26	74	-20.74	Vertical
7386.000	9.1	6	35.44	39.05	46.40	51.95	74	-22.05	Vertical
9848.000	9.8	5	38.06	37.79	41.58	51.70	74	-22.30	Vertical
11488.580	10.3	39	38.22	38.46	43.19	53.34	74	-20.66	Vertical
3641.878	6.8	9	33.03	38.80	47.62	48.74	74	-25.26	Horizontal
4924.000	6.6	8	34.82	39.28	47.44	49.66	74	-24.34	Horizontal
5982.226	8.0	5	36.27	39.19	47.16	52.29	74	-21.71	Horizontal
7386.000	9.1	6	35.44	39.05	47.90	53.45	74	-20.55	Horizontal
9848.000	9.8	5	38.06	37.79	42.16	52.28	74	-21.72	Horizontal
11488.580	10.3	39	38.22	38.46	42.22	52.37	74	-21.63	Horizontal

Test mode:	802	.11n(HT40)	Test ch	annel:	Lowest	Remark:		Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3631.354	6.89	33.02	38.80	48.69	49.80	74	-24.20	Vertical
4844.000	6.51	34.74	39.25	48.67	50.67	74	-23.33	Vertical
6008.249	8.08	36.29	39.18	46.94	52.13	74	-21.87	Vertical
7266.000	9.00	35.57	39.06	47.06	52.57	74	-21.43	Vertical
9688.000	9.94	37.57	37.88	42.56	52.19	74	-21.81	Vertical
11672.890	10.47	38.37	38.55	43.18	53.47	74	-20.53	Vertical
3568.847	6.93	32.97	38.77	47.95	49.08	74	-24.92	Horizontal
4844.000	6.51	34.74	39.25	49.25	51.25	74	-22.75	Horizontal
6008.249	8.08	36.29	39.18	46.94	52.13	74	-21.87	Horizontal
7266.000	9.00	35.57	39.06	45.54	51.05	74	-22.95	Horizontal
9688.000	9.94	37.57	37.88	42.56	52.19	74	-21.81	Horizontal
11605.530	10.44	38.31	38.52	42.23	52.46	74	-21.54	Horizontal



Report No.: SZEM141000589301

Page: 146 of 181

Test mode:	802	2.11n(HT40)	Test ch	annel:	Middle	Remark	:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3737.975	6.83	33.10	38.84	47.07	48.16	74	-25.84	Vertical
4874.000	6.57	34.77	39.26	47.38	49.46	74	-24.54	Vertical
5964.939	8.03	36.23	39.19	46.99	52.06	74	-21.94	Vertical
7311.000	9.06	35.52	39.06	43.90	49.42	74	-24.58	Vertical
9748.000	9.91	37.76	37.85	44.04	53.86	74	-20.14	Vertical
11521.870	10.40	38.24	38.48	42.63	52.79	74	-21.21	Vertical
3694.956	6.86	33.07	38.83	47.68	48.78	74	-25.22	Horizontal
4874.000	6.57	34.77	39.26	48.09	50.17	74	-23.83	Horizontal
6016.949	8.08	36.28	39.18	46.93	52.11	74	-21.89	Horizontal
7311.000	9.06	35.52	39.06	44.22	49.74	74	-24.26	Horizontal
9748.000	9.91	37.76	37.85	41.92	51.74	74	-22.26	Horizontal
11521.870	10.40	38.24	38.48	42.95	53.11	74	-20.89	Horizontal

Test mode:		802.	11n(HT40)	Test ch	annel:	Highest	Remark:		Peak
Frequency (MHz)	Cab Los (dB	ss	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3641.878	6.8	9	33.03	38.80	47.90	49.02	74	-24.98	Vertical
4904.000	6.6	4	34.81	39.27	48.47	50.65	74	-23.35	Vertical
5964.939	8.0	3	36.23	39.19	46.99	52.06	74	-21.94	Vertical
7356.000	9.1	2	35.47	39.05	46.48	52.02	74	-21.98	Vertical
9808.000	9.8	8	37.94	37.81	41.06	51.07	74	-22.93	Vertical
11538.550	10.4	41	38.25	38.48	42.70	52.88	74	-21.12	Vertical
3864.464	6.7	6	33.26	38.90	47.40	48.52	74	-25.48	Horizontal
4904.000	6.6	4	34.81	39.27	48.60	50.78	74	-23.22	Horizontal
5964.939	8.0	3	36.23	39.19	48.79	53.86	74	-20.14	Horizontal
7356.000	9.1	2	35.47	39.05	44.43	49.97	74	-24.03	Horizontal
9808.000	9.8	8	37.94	37.81	41.81	51.82	74	-22.18	Horizontal
11672.890	10.4	1 7	38.37	38.55	43.18	53.47	74	-20.53	Horizontal



Report No.: SZEM141000589301

Page: 147 of 181

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 2) Scan from 9kHz to 25GHz,The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

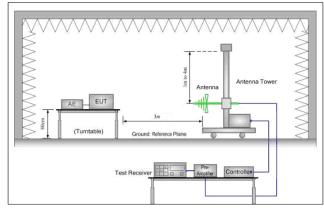


Report No.: SZEM141000589301

Page: 148 of 181

6.9 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205									
Test Method:	ANSI C63.10 2009	ANSI C63.10 2009								
Test Site:	Measurement Distance: 3m	Measurement Distance: 3m (Semi-Anechoic Chamber)								
Limit:	Frequency	Limit (dBuV/m @3m)	Remark							
	30MHz-88MHz	40.0	Quasi-peak Value							
	88MHz-216MHz	Quasi-peak Value								
	216MHz-960MHz	46.0	Quasi-peak Value							
	960MHz-1GHz	54.0	Quasi-peak Value							
	Abovo 1CHz	54.0	Average Value							
	Above IGHZ	Above 1GHz 74.0 Peak Value								
Test Setup:										



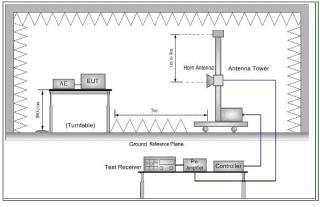


Figure 1. 30MHz to 1GHz

Figure 2. Above 1 GHz



Report No.: SZEM141000589301

Page: 149 of 181

Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel.
	g. Test the EUT in the lowest channel, the Highest channel.
	h. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
	Transmitting mode
Final Test Mode:	Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case.
	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).
	Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details.
Test Results:	Pass

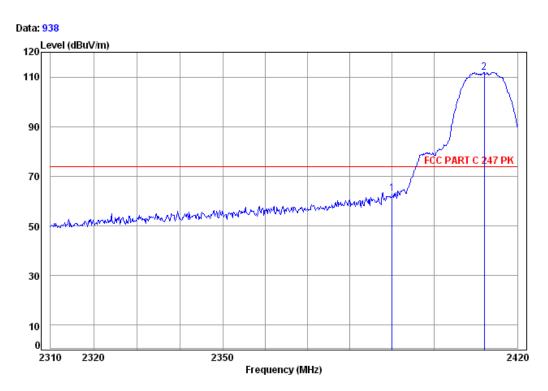


Report No.: SZEM141000589301

Page: 150 of 181

Test plot as follows:

Test mode: 802.11b Test channel: Lowest Remark: Peak Vertical



Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2412 B Band edge

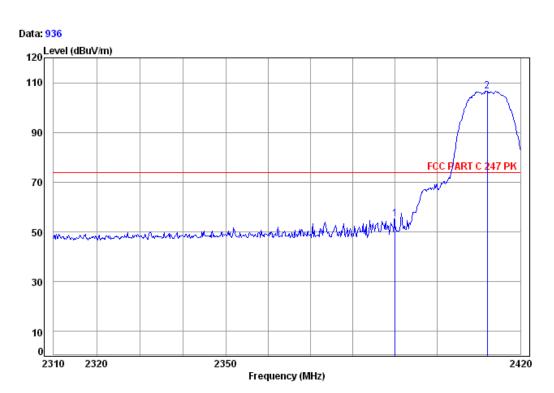
		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	·							
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
			,					
1	2390.00	1 90	32 35	38 46	6/1 21	63 00	7/1 00	_11_00
-	2330.00	4.50	32.33	50.40	04.21	05.00	74.00	-11.00
2 pp	2412.02	4.93	32.41	38.46	113.05	111.93	74.00	37.93



Report No.: SZEM141000589301

Page: 151 of 181

Test mode: 802.11b Test channel: Lowest Remark: Peak Horizontal



Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2412 B Band edge

Ant Preamp Read Limit 0∨er Loss Factor Factor Le∨el Limit Freq Le∨el MHz dΒ dB/m dΒ dBuV dBuV/m dBuV/m dB 2390.00 4.90 32.35 38.46 56.35 55.14 74.00 -18.86 2412.02 4.93 32.41 38.46 107.78 106.66 74.00 32.66

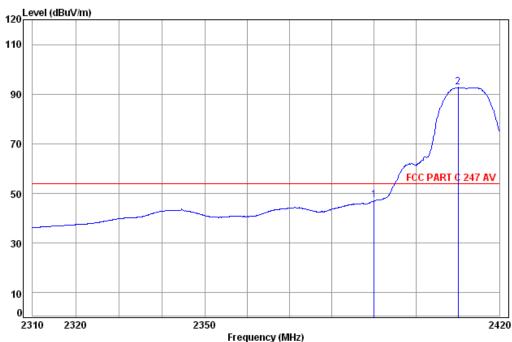


Report No.: SZEM141000589301

Page: 152 of 181

Test mode: 802.11b Test channel: Lowest Remark: Average Vertical





Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2412 B Band edge

	Freq						Limit Line	
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
	2390.00	4.90	32.35	38.46	48.56	47.35	54.00	-6.65
pp	2410.11	4.93	32.41	38.46	93.83	92.71	54.00	38.71



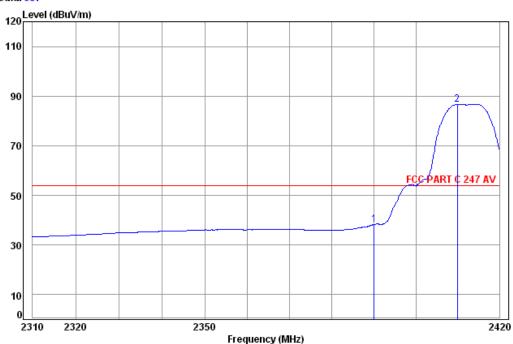


Report No.: SZEM141000589301

Page: 153 of 181

Test mode: 802.11b Test channel: Lowest Remark: Average Horizontal

Data: 937



Site : chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2412 B Band edge

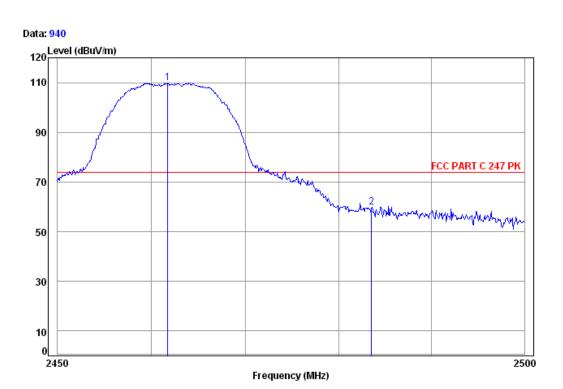
	Cable	Ant	Preamp	Read		Limit	0∨er
Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
MHz	dB	dB/m	dB	dBu∀	dBuV/m	dBuV/m	dB
2390.00	4.90	32.35	38.46	39.49	38.28	54.00	-15.72
2409.89	4.93	32.41	38.46	87.93	86.81	54.00	32.81
	MHz 2390.00	Freq Loss MHz dB 2390.00 4.90	Freq Loss Factor MHz dB dB/m 2390.00 4.90 32.35	Freq Loss Factor Factor MHz dB dB/m dB 2390.00 4.90 32.35 38.46	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 2390.00 4.90 32.35 38.46 39.49	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 2390.00 4.90 32.35 38.46 39.49 38.28	



Report No.: SZEM141000589301

Page: 154 of 181

Test mode: 802.11b Test channel: Highest Remark: Peak Vertical



Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2462 B Band edge

Cable Ant Preamp Read Limit 0∨er Freq Loss Factor Factor Le∨el Level Line Limit MHz dΒ dB/m dB dBuV dBuV/m dBuV/m dΒ 2461.71 5.00 32.43 38.46 110.87 109.84 74.00 35.84 2483.50 5.03 32.44 38.47 60.84 59.84 74.00 -14.16

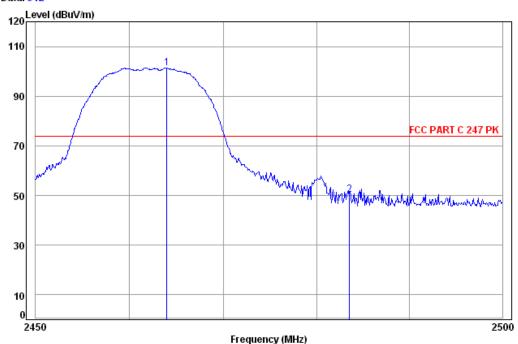


Report No.: SZEM141000589301

Page: 155 of 181

Test mode: 802.11b Test channel: Highest Remark: Peak Horizontal

Data: 942



: chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2462 B Band edge Cable

	Freq						Limit Line	
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp 2	2463.95 2483.50							

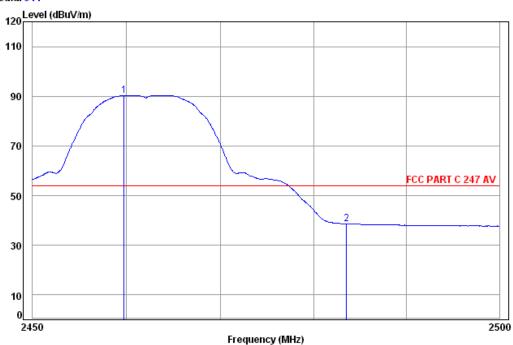


Report No.: SZEM141000589301

Page: 156 of 181

Test mode: 802.11b Test channel: Highest Remark: Average Vertical

Data: 941



Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2462 B Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
	-							
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
			,					
1 pp	2459.72	5.00	32.43	38.46	91.36	90.33	54.00	36.33
2	2483.50	5.03	32.44	38.47	39.67	38.67	54.00	- 15 . 33

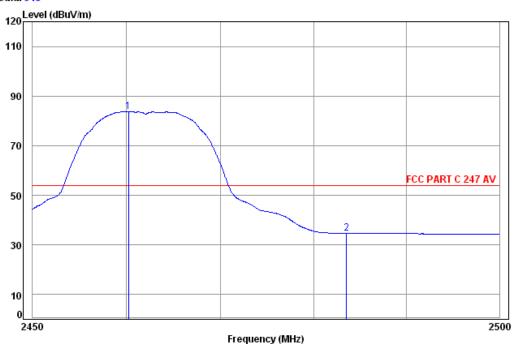


Report No.: SZEM141000589301

Page: 157 of 181

Test mode: 802.11b Test channel: Highest Remark: Average Horizontal

Data: 943



Site : chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2462 B Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Le∨el	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 рр	2460.22	5.00	32.43	38.46	84.77	83.74	54.00	29.74
2	2483.50	5.03	32.44	38.47	35.69	34.69	54.00	-19.31

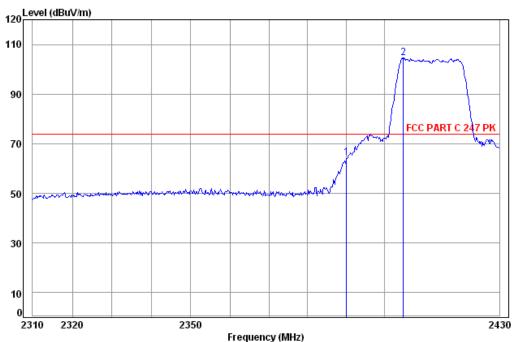


Report No.: SZEM141000589301

Page: 158 of 181

Test mode: 802.11g Test channel: Lowest Remark: Peak Vertical





Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2412 G Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Le∨el	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.00	4.90	32.35	38.46	65.46	64.25	74.00	-9.75
2 pp	2404.78	4.92	32.41	38.46	105.79	104.66	74.00	30.66

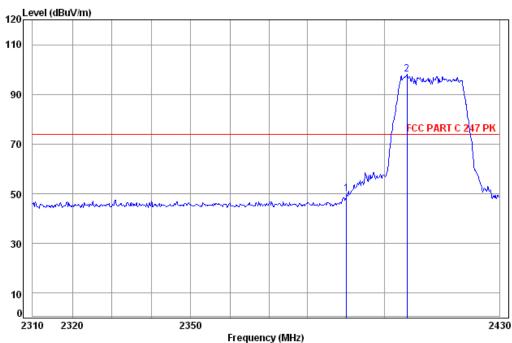


Report No.: SZEM141000589301

Page: 159 of 181

Test mode: 802.11g Test channel: Lowest Remark: Peak Horizontal





Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2412 G Band edge

0∨er	Limit		Read	Preamp	Ant	Cable		
Limit	Line	Le∨el	Level	Factor	Factor	Freq Loss Fact		
							-	
dB	dBuV/m	dBuV/m	dBuV	dB	dB/m	dB	MHz	_
-23.86	74.00	50.14	51.35	38.46	32.35	4.90	2390.00	1
							2405.76	2 nn
24.02	74.00	90.02	JJ.15	20.40	22.41	4.72	2405.76	PP

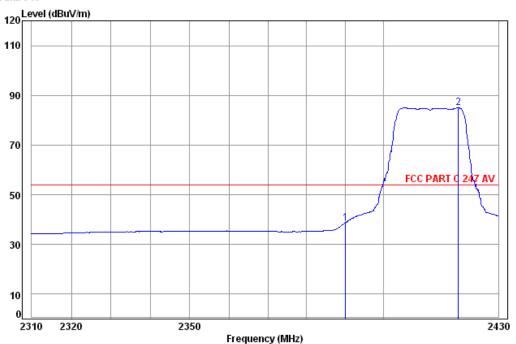


Report No.: SZEM141000589301

Page: 160 of 181

Test mode: 802.11g Test channel: Lowest Remark: Average Vertical





Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2412 G Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.00	4.90	32.35	38.46	39.89	38.68	54.00	-15.32
2 pp	2419.44	4.94	32.42	38.46	86.09	84.99	54.00	30.99

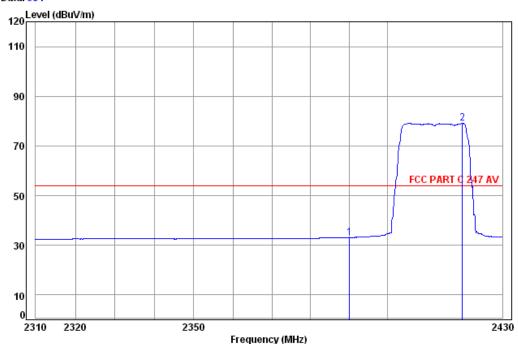


Report No.: SZEM141000589301

Page: 161 of 181

Test mode: 802.11g Test channel: Lowest Remark: Average Horizontal

Data: 951



Site : chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2412 G Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.00	4.90	32.35	38.46	34.30	33.09	54.00	-20.91
2 pp	2419.44	4.94	32.42	38.46	80.16	79.06	54.00	25.06



Report No.: SZEM141000589301

Page: 162 of 181

Test mode: 802.11g Test channel: Highest Remark: Peak Vertical



Frequency (MHz)

Site : chamber

2450

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2462 G Band edge

Cable Ant Preamp Read Limit 0∨er Freq Loss Factor Factor Level Level Line Limit MHz dΒ dB dB/m dB dBuV dBuV/m dBuV/m 2468.93 5.01 32.43 38.46 106.45 105.43 74.00 31.43 2483.50 5.03 32.44 38.47 67.16 66.16 74.00



2500

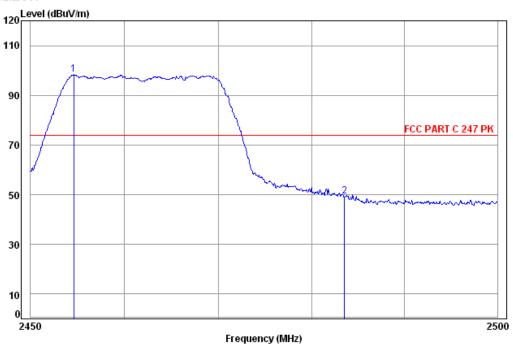


Report No.: SZEM141000589301

Page: 163 of 181

Test mode: 802.11g Test channel: Highest Remark: Peak Horizontal





Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2462 G Band edge

	Freq			Factor				
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp 2	2454.61 2483.50							

Read

limit

Over

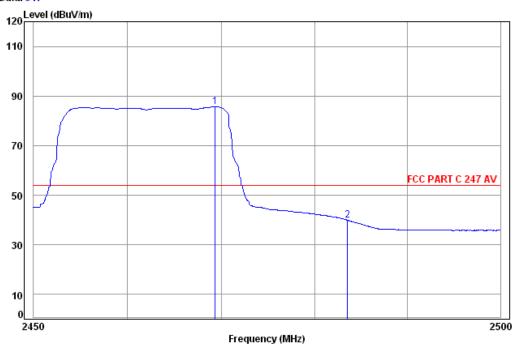


Report No.: SZEM141000589301

Page: 164 of 181

Test mode: 802.11g Test channel: Highest Remark: Average Vertical

Data: 947



: chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2462 G Band edge

	Freq			Preamp Factor				
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
	2469.33 2483.50							

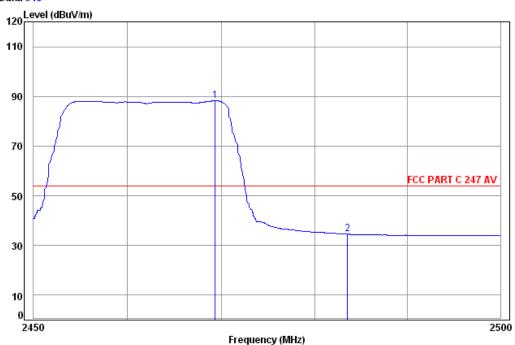


Report No.: SZEM141000589301

Page: 165 of 181

Test mode: 802.11g Test channel: Highest Remark: Average Horizontal

Data: 945



: chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2462 G Band edge Cable

	Freq			Preamp Factor				
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 рр	2469.33	5.01	32.43	38.46	89.30	88.28	54.00	34.28
2	2483.50	5.03	32.44	38.47	35.55	34.55	54.00	-19.45

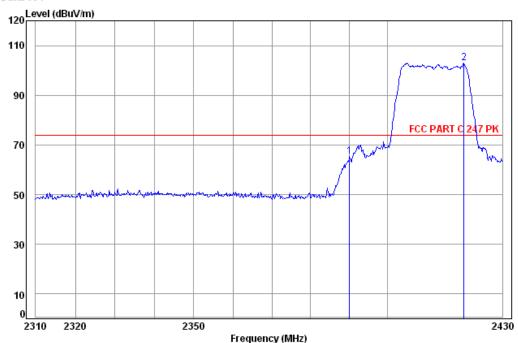


Report No.: SZEM141000589301

Page: 166 of 181

Test mode: 802.11n(HT20) Test channel: Lowest Remark: Peak Vertical





Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2412 N20 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBu∀	dBuV/m	dBuV/m	dB
1	2390.00	4.90	32.35	38.46	66.64	65.43	74.00	-8.57
2 pp	2419.93	4.94	32.42	38.46	104.15	103.05	74.00	29.05

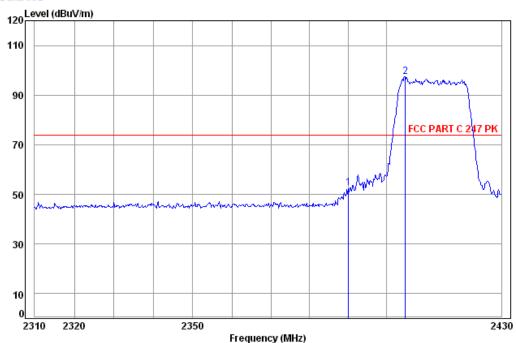


Report No.: SZEM141000589301

Page: 167 of 181

Test mode: 802.11n(HT20) Test channel: Lowest Remark: Peak Horizontal





Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2412 N20 Band edge

0∨er	Limit		Read	Preamp	Ant	Cable		
Limit	Line	Le∨el	Le∨el	Factor	Factor	Loss	Freq	
dB	dBu\//m	dBu\//m	dBu\/	dB	dB/m	dB	MHz	-
u.	abav, iii	abav, iii	abav	ab	GD/III	ab	71112	
-21.45	74.00	52.55	53.76	38.46	32.35	4.90	2390.00	1
23.57	74.00	97.57	98.70	38.46	32.41	4.92	2404.78	2 рр

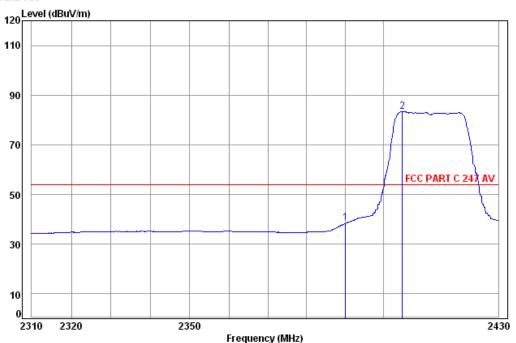


Report No.: SZEM141000589301

Page: 168 of 181

Test mode: 802.11n(HT20) Test channel: Lowest Remark: Average Vertical





Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2412 N20 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
	MHz	dB	dB/m	dB	dBu∀	dBuV/m	dBuV/m	dB
1	2390.00	4.90	32.35	38.46	39.74	38.53	54.00	- 15 . 47
2 pp	2404.78	4.92	32.41	38.46	84.50	83.37	54.00	29.37

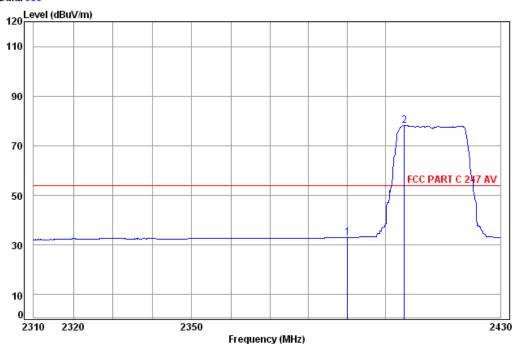


Report No.: SZEM141000589301

Page: 169 of 181

Test mode: 802.11n(HT20) Test channel: Lowest Remark: Average Horizontal

Data: 953



Site : chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2412 N20 Band edge

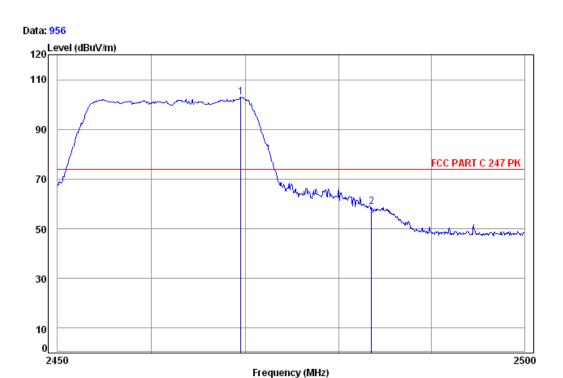
		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
	MHz	dB	dB/m	dB	dBu∀	dBuV/m	dBuV/m	dB
1	2390.00	4.90	32.35	38.46	34.22	33.01	54.00	-20.99
2 pp	2404.78	4.92	32.41	38.46	79.22	78.09	54.00	24.09



Report No.: SZEM141000589301

Page: 170 of 181

Test mode: 802.11n(HT20) Test channel: Highest Remark: Peak Vertical



Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2462 N20 Band edge

Cable Ant Preamp Read Limit 0∨er Freq Loss Factor Factor Level Level Line Limit MHz dΒ dB/m dΒ dBuV dBuV/m dBuV/m dΒ 1 pp 2469.53 5.01 32.43 38.46 103.92 102.90 74.00 28.90 2483.50 5.03 32.44 38.47 59.82 58.82 74.00 -15.18

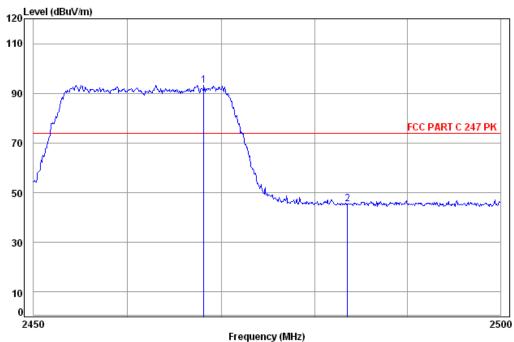


Report No.: SZEM141000589301

Page: 171 of 181

Test mode: 802.11n(HT20) Test channel: Highest Remark: Peak Horizontal





Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2462 N20 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Le∨el	Line	Limit
_								
	MHz	dB	dB/m	dB	dBu∀	dBuV/m	dBuV/m	dB
1 pp	2468.13	5.01	32.43	38.46	94.29	93.27	74.00	19.27
2	2483.50	5.03	32.44	38.47	46.59	45.59	74.00	-28.41

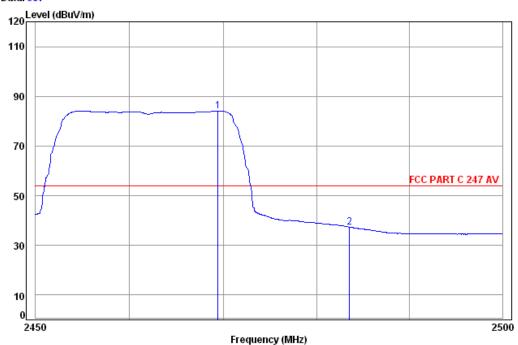


Report No.: SZEM141000589301

Page: 172 of 181

Test mode: 802.11n(HT20) Test channel: Highest Remark: Average Vertical

Data: 957



Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2462 N20 Band edge

Cable Ant Preamp Read Limit 0∨er Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dΒ dBuV dBuV/m dBuV/m dΒ 2469.43 5.01 32.43 38.46 85.16 84.14 54.00 30.14 1 pp 2483.50 5.03 32.44 38.47 38.40 37.40 54.00 - 16.60



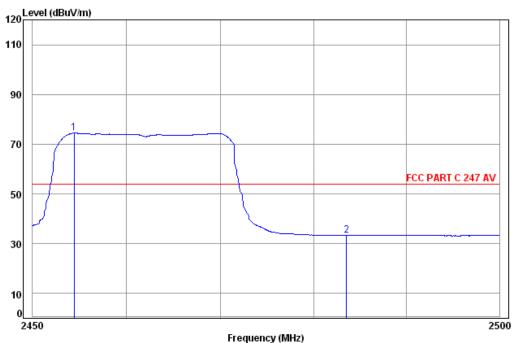


Report No.: SZEM141000589301

Page: 173 of 181

Test mode: 802.11n(HT20) Test channel: Highest Remark: Average Horizontal





Site : chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2462 N20 Band edge

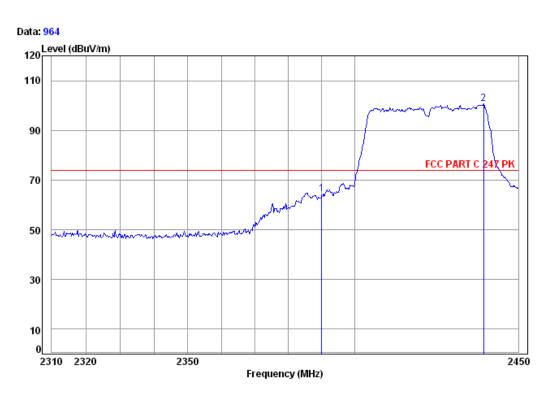
		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
_								
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 рр	2454.41	4.99	32.43	38.46	75.48	74.44	54.00	20.44
2	2483.50	5.03	32.44	38.47	34.35	33.35	54.00	-20.65



Report No.: SZEM141000589301

Page: 174 of 181

Test mode: 802.11n(HT40) Test channel: Lowest Remark: Peak Vertical



Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2422 N40 Band edge

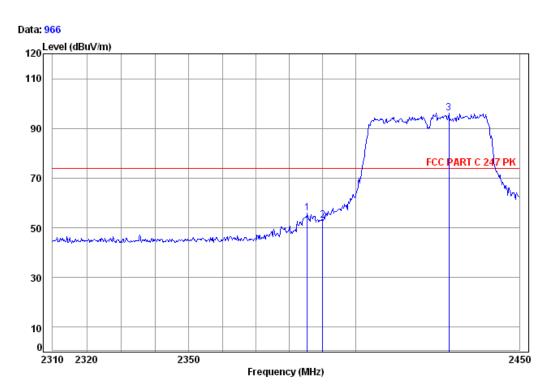
Cable Ant Preamp Read Limit 0∨er Freq Loss Factor Factor Level Level Line Limit dΒ MHz dΒ dB/m dΒ dBuV dBuV/m dBuV/m 2390.00 4.90 32.35 38.46 65.64 64.43 74.00 -9.57 2 pp 2439.36 4.97 32.42 38.46 101.76 100.69 74.00 26.69



Report No.: SZEM141000589301

Page: 175 of 181

Test mode: 802.11n(HT40) Test channel: Lowest Remark: Peak Horizontal



Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2422 N40 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2385.42	4.89	32.32	38.46	57.05	55.80	74.00	-18.20
2	2390.00	4.90	32.35	38.46	54.24	53.03	74.00	-20.97
3 рр	2428.33	4.95	32.42	38.46	97.27	96.18	74.00	22.18

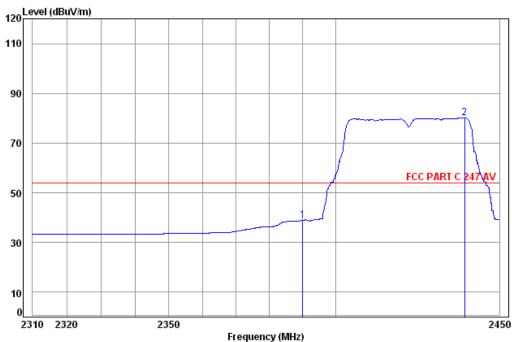


Report No.: SZEM141000589301

Page: 176 of 181

Test mode: 802.11n(HT40) Test channel: Lowest Remark: Average Vertical





Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2422 N40 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBu\//m	dB
		u.D	o.c., iii	u.D	abar	abav, iii	abav, iii	ab
1	2390.00	4 90	22.25	28 46	40.01	38 80	E4 00	15 20
1	2390.00	4.50	32.33	30.40	40.01	30.00	34.00	-15.20
2 pp	2439.36	4.97	32.42	38.46	81.14	80.07	54.00	26.07

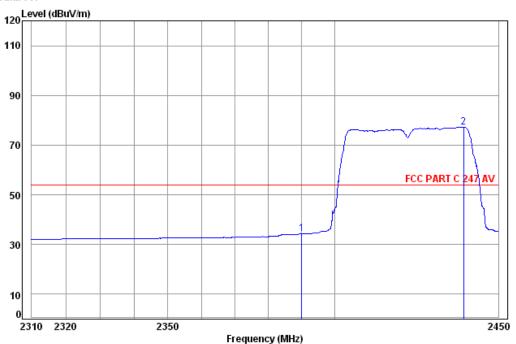


Report No.: SZEM141000589301

Page: 177 of 181

Test mode: 802.11n(HT40) Test channel: Lowest Remark: Average Horizontal





Site : chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2422 N40 Band edge

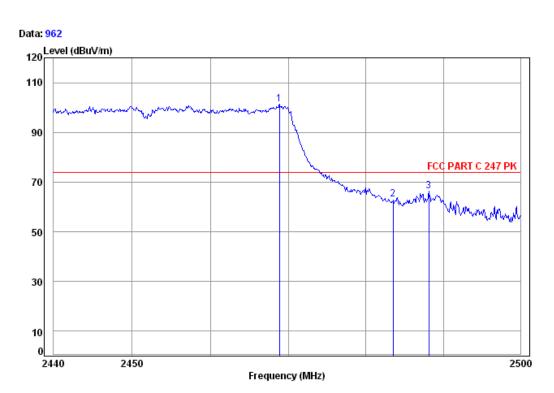
		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
	-							
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
						-	-	
1	2390.00	4.90	32.35	38.46	35.44	34.23	54.00	-19.77
2 pp	2439.36	4.97	32.42	38.46	78.30	77.23	54.00	23.23



Report No.: SZEM141000589301

Page: 178 of 181

Test mode: 802.11n(HT40) Test channel: Highest Remark: Peak Vertical



Site : chamber

Condition: FCC PART C 247 PK 3m Vertical

Job No: : 5893CR

Mode: : 2452 N40 Band edge Cable Ant Preamp

	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 рр	2468.86	5.01	32.43	38.46	102.52	101.50	74.00	27.50
2	2483.50	5.03	32.44	38.47	64.07	63.07	74.00	-10.93
3	2488.13	5.03	32.44	38.47	67.27	66.27	74.00	-7.73

Read

Limit

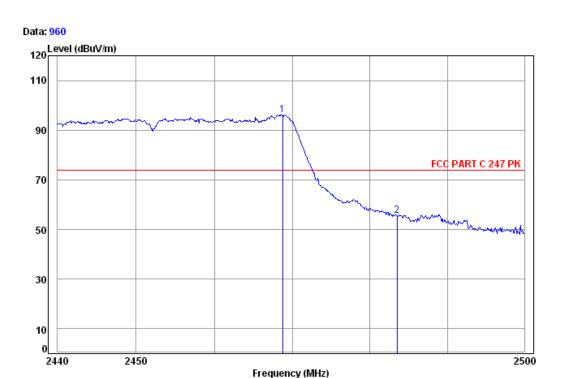
0∨er



Report No.: SZEM141000589301

Page: 179 of 181

Test mode: 802.11n(HT40) Test channel: Highest Remark: Peak Horizontal



Site : chamber

Condition: FCC PART C 247 PK 3m Horizontal

Job No: : 5893CR

Mode: : 2452 N40 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Le∨el	Line	Limit
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 рр	2468.74	5.01	32.43	38.46	97.16	96.14	74.00	22.14
2	2483.50	5.03	32.44	38.47	56.49	55.49	74.00	-18.51

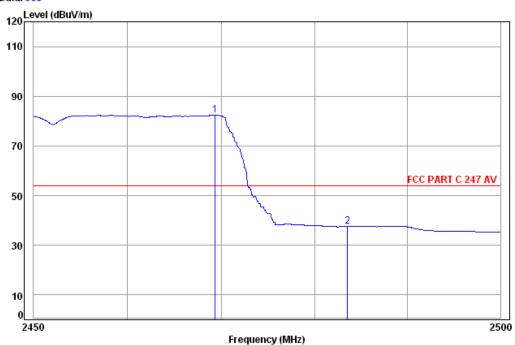


Report No.: SZEM141000589301

Page: 180 of 181

Test mode: 802.11n(HT40) Test channel: Highest Remark: Average Vertical

Data: 963



Site : chamber

Condition: FCC PART C 247 AV 3m Vertical

Job No: : 5893CR

Mode: : 2452 N40 Band edge

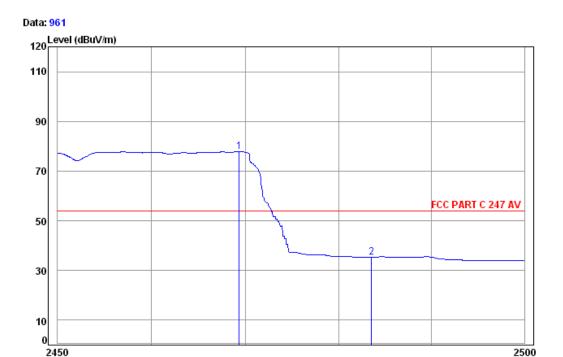
		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
_								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	2469.34	5.01	32.43	38.46	83.39	82.37	54.00	28.37
2	2483.50	5.03	32.44	38.47	38.55	37.55	54.00	-16.45



Report No.: SZEM141000589301

Page: 181 of 181

Test mode: 802.11n(HT40) Test channel: Highest Remark: Average Horizontal



Frequency (MHz)

: chamber

Condition: FCC PART C 247 AV 3m Horizontal

Job No: : 5893CR

Mode: : 2452 N40 Band edge

		Cable	Ant	Preamp	Read		Limit	0∨er
	Freq	Loss	Factor	Factor	Le∨el	Level	Line	Limit
_								
	MHz	dB	dB/m	dB	dBu∀	dBuV/m	dBuV/m	dB
1 pp	2469.34	5.01	32.43	38.46	78.92	77.90	54.00	23.90
2	2483.50	5.03	32.44	38.47	36.39	35.39	54.00	-18.61

Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor