



FCC TEST REPORT

Report No: STS1605036F01

Issued for

Casio Computer Co Ltd

2-1, Sakaecho 3-chome, Hamura-shi Tokyo 205-8555, Japan

Product Name:	Electronic Cash Register
Brand Name:	CASIO
Model Name:	V-R7100-C
Series Model:	V-R7100
FCC ID:	BBQVR7100
Test Standard:	FCC Part 15.407

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TEST RESULT CERTIFICATION

Applicant's name : Casio Computer Co Ltd

Address : 2-1, Sakaecho 3-chome, Hamura-shi Tokyo 205-8555, Japan

Manufacture's Name : PT NAKAJIMA ALL INDONESIA

Address : SURYACIPTA CITY OF INDUSTRY JL SURYA NUSA 1 KAV
B25-26, DESA KUTAMEKAR KECAMATAN CIAMPEL 41361
INDONESIA

Product description

Product name : Electronic Cash Register

Model and/or type reference : V-R7100-C

Series Model : V-R7100

Standards : FCC Part15.407

Test procedure ANSI C63.10-2013

This device described above has been tested by STS, and the test results show that the equipment under test (EUT) is in compliance with the FCC&IC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test :

Date (s) of performance of tests : 06 May. 2016 ~18 May. 2016

Date of Issue : 19 May. 2016

Test Result : **Pass**

Testing Engineer :

(Tony Liu)

Technical Manager :

(Vita Li)

Authorized Signatory :

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	19 May. 2016	STS1605036F01	ALL	Initial Issue





1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

§ 15.407, KDB 789033 D02 General UNII Test Procedures New Rules v01r01

FCC Part15 (15.407)		
FCC standard	Test Item	Results
15.207	AC Conducted Emission	PASS
§ 15.407 (2) (26 dB) / § 15.407 (e) (6 dB) / § 15.407 (a) (99%)	26dB/6dB &99% Bandwidth	PASS
15.407(a) (1).(2).(3).(4).(5)	Maximum Conducted Output Power	PASS
15.407(b)	Peak Excursion Ratio	PASS
15.407(b)& 15.209	Radiated Emission And (Unwanted Emissions) Measurement	PASS
15.407(b)7	Conducted Emission And (Unwanted Emissions) Measurement	PASS
15.407(a) (1).(2).(3).(4).(5)	Power Spectral Density	PASS
15.407(g)	Frequency Stability	PASS
15.407(c)	Automatically Discontinue Transmission	PASS
15.203/15.204	Antenna Requirement	PASS

NOTE:

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

(2)all tests are according to ANSI C63.10-2013



1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.

Add. : 1/F., Building B, Zhuoke Science Park, No.190,Chongqing Road,

Fuyong Street, Bao'an District, Shenzhen, Guangdong,China

CNAS Registration No.: L7649;

FCC Registration No.: 842334; IC Registration No.: 12108A-1

1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	$\pm 2.88\text{dB}$
2	Conducted Emission (150KHz-30MHz)	$\pm 2.67\text{dB}$
3	RF power,conducted	$\pm 0.70\text{dB}$
4	Spurious emissions,conducted	$\pm 1.19\text{dB}$
5	All emissions,radiated(<1G) 30MHz-200MHz	$\pm 2.83\text{dB}$
6	All emissions,radiated(<1G) 200MHz-1000MHz	$\pm 2.94\text{dB}$
7	All emissions,radiated(>1G)	$\pm 3.03\text{dB}$
8	Temperature	$\pm 0.5^{\circ}\text{C}$
9	Humidity	$\pm 2\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Electronic Cash Register	
Trade Name	CASIO	
Model Name	V-R7100-C	
Series Model	V-R7100	
Model Difference	Only different in model name	
Product Description	The EUT is a Electronic Cash Register	
	Operation Frequency:	IEEE 802.11a/ n(HT20) 5.180GHz-5.320GHz IEEE 802.11n(HT40) 5.190GHz-5.310GHz IEEE 802.11a/ n(HT20)5.500GHz-5.700GHz IEEE 802.11n(HT40)5.510GHz-5.670GHz EEE 802.11a/ n(HT20)5.745GHz-5.825GHz EEE 802.11n(HT40)5.755GHz-5.795GHz
	Modulation Type:	IEEE for 802.11a: OFDM(BPSK/QPSK/16QAM) IEEE for 802.11n : OFDM(BPSK/QPSK/16QAM)
	Bit Rate of Transmitter	802.11a:54/48/36/24/18/12/9/6Mbps 802.11n(20/40MHz):150/144.44/130/117/115.56/104/86.67/78/52/6.5 Mbps
	Antenna Designation:	See Note 3
	Max.Output Power(Conducted):	17.82dBm
	The duty cycle of WLAN 802.11a/n were 98 %	
	More details of EUT technical specification, please refer to the User's Manual.	
Test Channel	Please refer to the Note 2.	
Adapter	Input: AC100-240V, 1300mA, 50/60 Hz Output: DC 24V, 2500mA	
Hardware version number	N/A	
Software version number	N/A	
Connecting I/O Port(s)	Please refer to the User's Manual	

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



2.

Operation Frequency of channel			
5.180GHz-5.240GHz		5.500GHz-5.720GHz	
Channel	Frequency	Channel	Frequency
36	5180	100	5500
38	5190	102	5510
40	5200	104	5520
42	5210	108	5540
44	5220	110	5550
46	5230	112	5560
48	5240	116	5580
		118	5590
5.260GHz-5.320GHz		120	5600
Channel	Frequency	124	5620
52	5260	126	5630
54	5270	128	5640
56	5280	132	5660
60	5300	134	5670
62	5310	136	5680
64	5320	140	5700
		142	5710
		144	5720
5.745GHz-5.825GHz			
Channel	Frequency		
149	5745		
151	5755		
153	5765		
157	5785		
159	5795		
161	5805		
165	5825		

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:

Carrier Frequency Channel



5GHz:

For 802.11a/n (HT20)

Channel	Freq.(MHz)	Channel	Freq.(MHz)
36	5180	52	5260
40	5200	60	5300
48	5240	64	5320

For 802.11a/n (HT20)

Channel	Freq.(MHz)	Channel	Freq.(MHz)
100	5500	149	5745
116	5580	157	5785
140	5700	165	5825

For 802.11n (HT40)

Channel	Freq.(MHz)	Channel	Freq.(MHz)
38	5190	54	5270
46	5230	62	5310

For 802.11n (HT40)

Channel	Freq.(MHz)	Channel	Freq.(MHz)
102	5510	151	5755
110	5550	159	5795
134	5670		



3.

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
A	CASIO	V-R7100-C	FPC Antenna	N/A	(5 150 -5 350)MHz: 4.25dBi (5 470-5 725)MHz: 4.18dBi (5 725 -5 850) MHz: 4.62dBi	WIFI Antenna





2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description	Data Rate
Mode 1	TX IEEE 802.11a CH36&CH149	6 Mbps
Mode 2	TX IEEE 802.11a CH40&CH157	6 Mbps
Mode 3	TX IEEE 802.11 a CH48&CH165	6 Mbps
Mode 4	TX IEEE 802.11n HT20 CH36&CH149	MCS 0
Mode 5	TX IEEE 802.11n HT20 CH40&CH157	MCS 0
Mode 6	TX IEEE 802.11n HT20 CH48&CH165	MCS 0
Mode 7	TX IEEE 802.11n HT40 CH38&CH151	MCS 0
Mode 8	TX IEEE 802.11n HT40 CH46&CH159	MCS 0

Note:

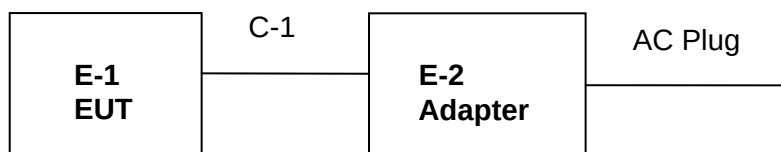
- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
- (3) The EUT 's duty cycle is set to 100%

AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 9: Keeping TX + WLAN Link



2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Electronic Cash Register	CASIO	V-R7100-C	N/A	EUT
E-2	Adapter	Mass Power	EKF2400250X1BA	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
C-1	DC Cable	NO	100cm	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Spectrum Analyzer	Agilent	E4407B	MY50140340	2015.10.25	2016.10.24
Test Receiver	R&S	ESCI	101427	2015.10.25	2016.10.24
Bilog Antenna	TESEQ	CBL6111D	34678	2015.11.25	2016.11.24
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1343	2016.03.06	2017.03.05
Horn Antenna	Schwarzbeck	BBHA 9170	9170-0741	2016.03.06	2017.03.05
50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2015.06.06	2016.06.05
PreAmplifier	Agilent	8449B	60538	2015.10.25	2016.10.24
Loop Antenna	ARA	PLA-1030/B	1029	2015.06.08	2016.06.07
Low frequency cable	EM	R01	N/A	N/A	N/A
High frequency cable	SCHWARZBECK	AK9515H	SN-96286/96287	N/A	N/A

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESPI	102086	2015.11.20	2016.11.19
LISN	R&S	ENV216	101242	2015.10.25	2016.10.24
LISN	EMCO	3810/2NM	000-23625	2015.10.25	2016.10.24
Conduction Cable	EM	C01	N/A	N/A	N/A

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2015.10.25	2016.10.24
Spectrum Analyzer	Agilent	E4407B	MY50140340	2015.10.25	2016.10.24
Signal Analyzer	Agilent	N9020A	MY49100060	2015.11.18	2016.11.17



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY (MHz)	Class B (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	56.00	46.00	CISPR
5.0 -30.0	60.00	50.00	CISPR

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

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

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

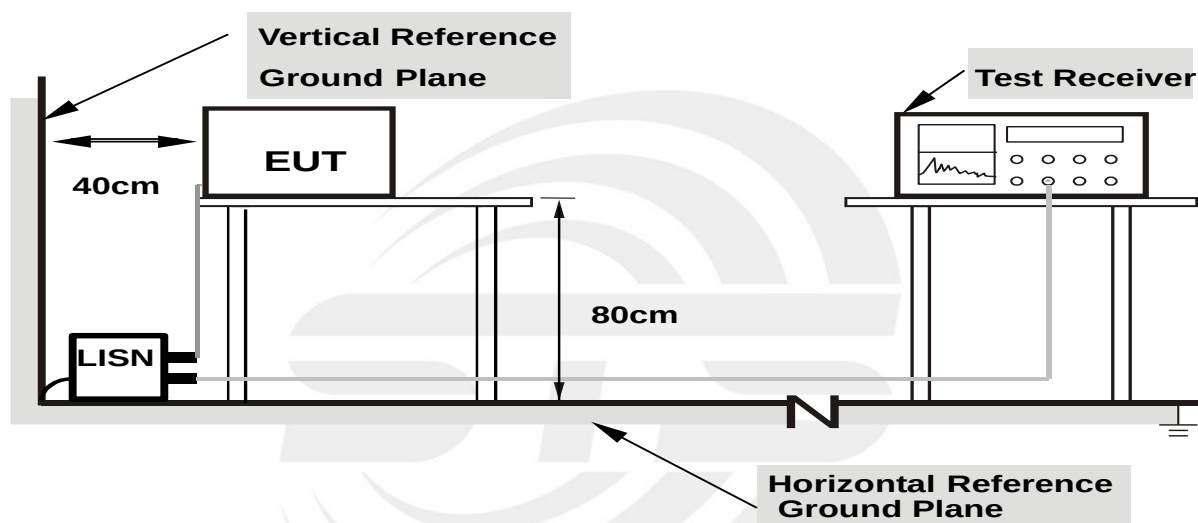
3.1.2 TEST PROCEDURE

- The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



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

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

3.1.5 EUT OPERATING CONDITIONS

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



3.1.6 TEST RESULTS

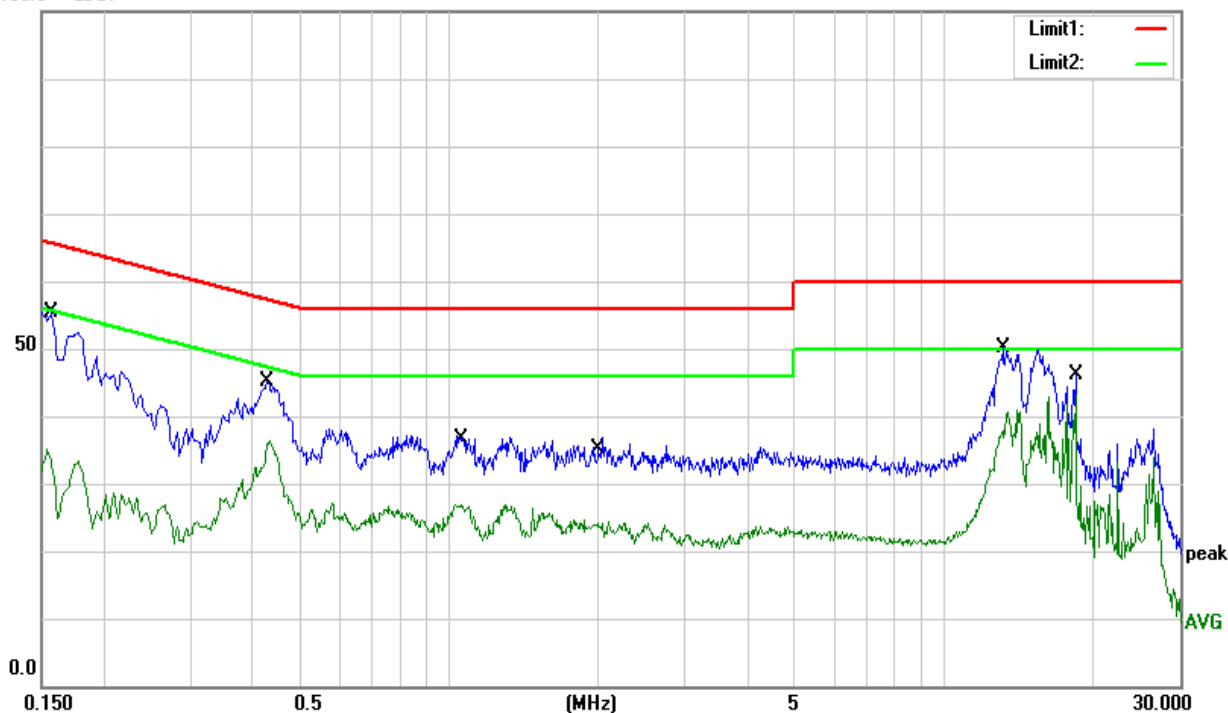
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	L
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 9

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.1580	37.31	9.23	46.54	65.57	-19.03	QP
0.1580	17.46	9.23	26.69	55.57	-28.88	AVG
0.4322	33.51	9.34	42.85	57.21	-14.36	QP
0.4322	26.26	9.34	35.60	47.21	-11.61	AVG
1.0462	22.99	9.15	32.14	56.00	-23.86	QP
1.0462	17.18	9.15	26.33	46.00	-19.67	AVG
2.0120	20.74	9.26	30.00	56.00	-26.00	QP
2.0120	13.65	9.26	22.91	46.00	-23.09	AVG
13.1820	35.01	9.46	44.47	60.00	-15.53	QP
13.1820	27.83	9.46	37.29	50.00	-12.71	AVG
18.4340	33.56	9.80	43.36	60.00	-16.64	QP
18.4340	33.42	9.80	43.22	50.00	-6.78	AVG

Remark:

1. Margin = Result (Result = Reading + Factor) – Limit

100.0 dBuV





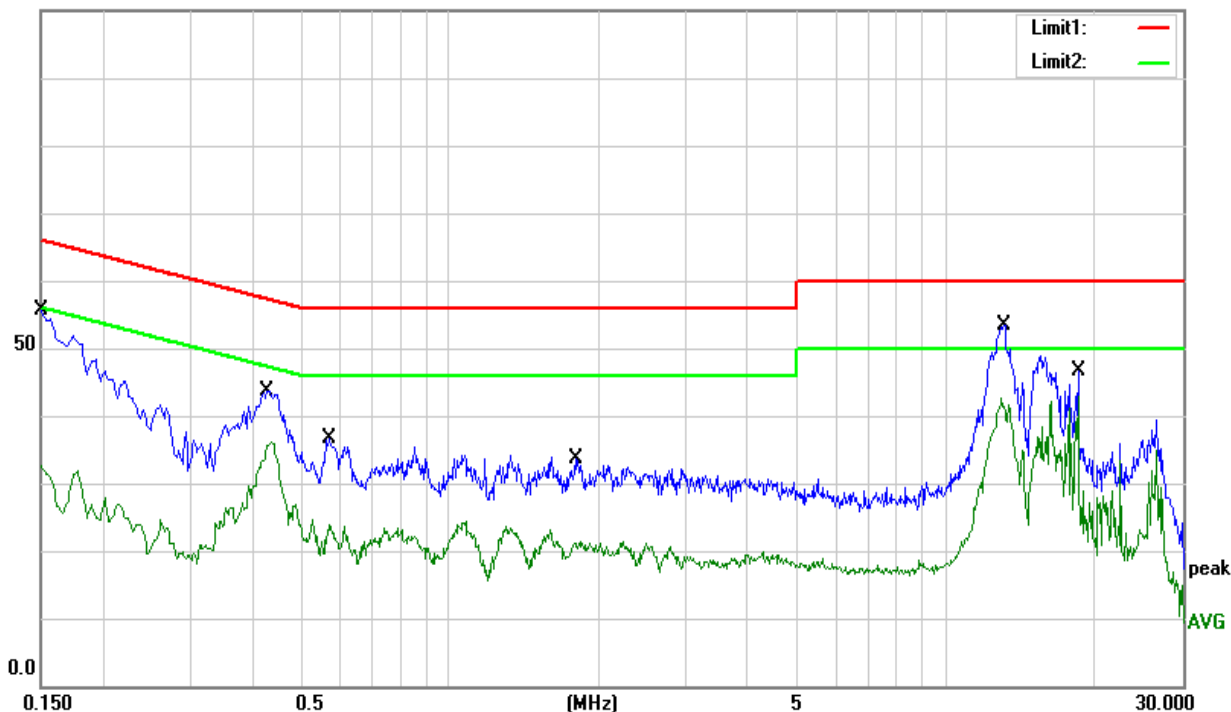
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	N
Test Voltage	AC 120V/60Hz	Test Mode	Mode 9

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.1500	40.48	9.23	49.71	66.00	-16.29	QP
0.1500	21.30	9.23	30.53	56.00	-25.47	AVG
0.4341	32.81	9.21	42.02	57.17	-15.15	QP
0.4341	26.15	9.21	35.36	47.17	-11.81	AVG
0.5812	22.05	9.18	31.23	56.00	-24.77	QP
0.5812	13.24	9.18	22.42	46.00	-23.58	AVG
1.8133	17.54	9.25	26.79	56.00	-29.21	QP
1.8133	10.71	9.25	19.96	46.00	-26.04	AVG
13.1100	33.68	9.42	43.10	60.00	-16.90	QP
13.1100	26.66	9.42	36.08	50.00	-13.92	AVG
18.4300	34.65	9.67	44.32	60.00	-15.68	QP
18.4300	33.28	9.67	42.95	50.00	-7.05	AVG

Remark:

1. Margin = Result (Result = Reading + Factor)-Limit

100.0 dBuV



3.2 RADIATED EMISSION AND (UNWANTED EMISSIONS) MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

In case the emission fall within the restricted band specified on 15.407(b)7& 15.205/209(a), then the (a); limit in the table below has to be followed.

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15E.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier harmonic(Peak/AV)
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

For Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 5130 to 5370 MHz Upper Band Edge: 5705 to 5880 MHz
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz



Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

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

Note:

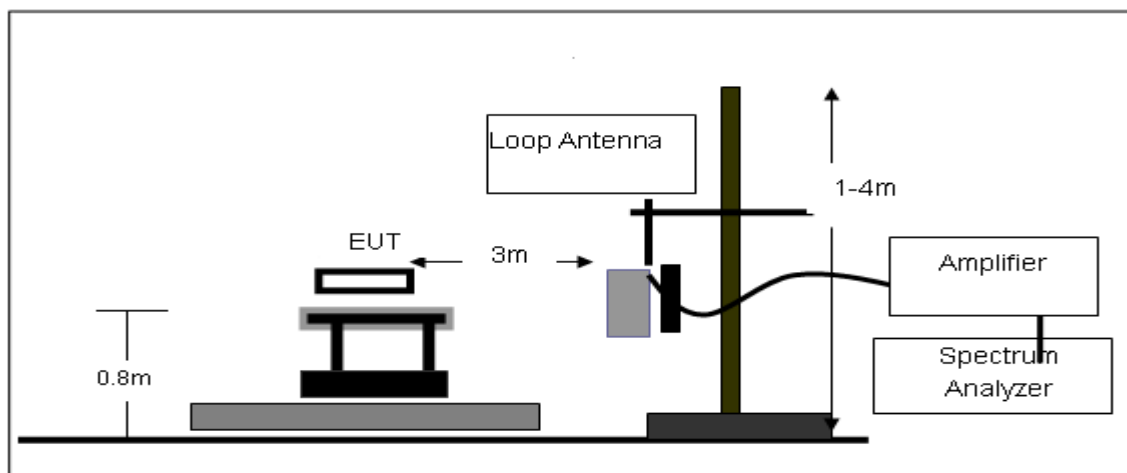
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

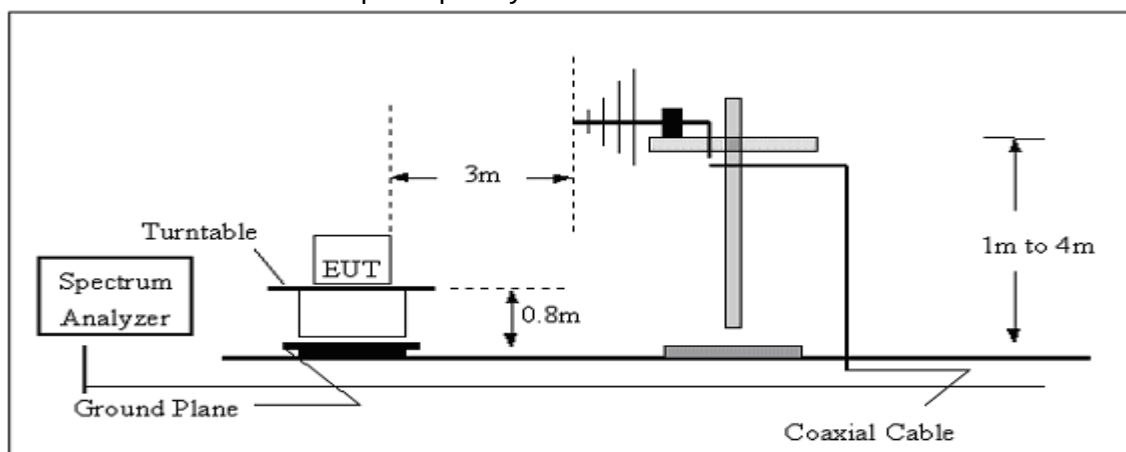
No deviation

3.2.4 TEST SETUP

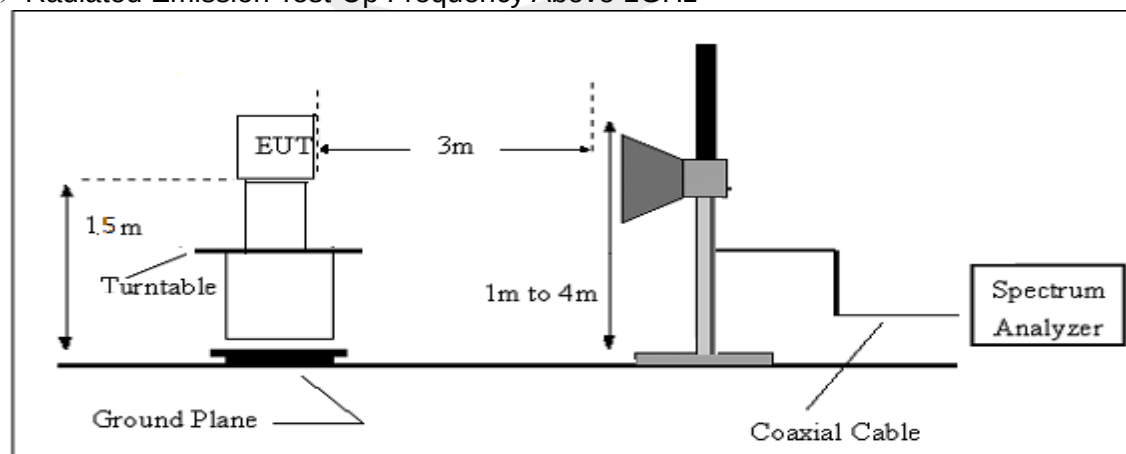
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

**3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)**

Temperature:	20 °C	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX Mode	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})(\text{dB})$;

Limit line = specific limits(dBuV) + distance extrapolation factor.

**3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)**

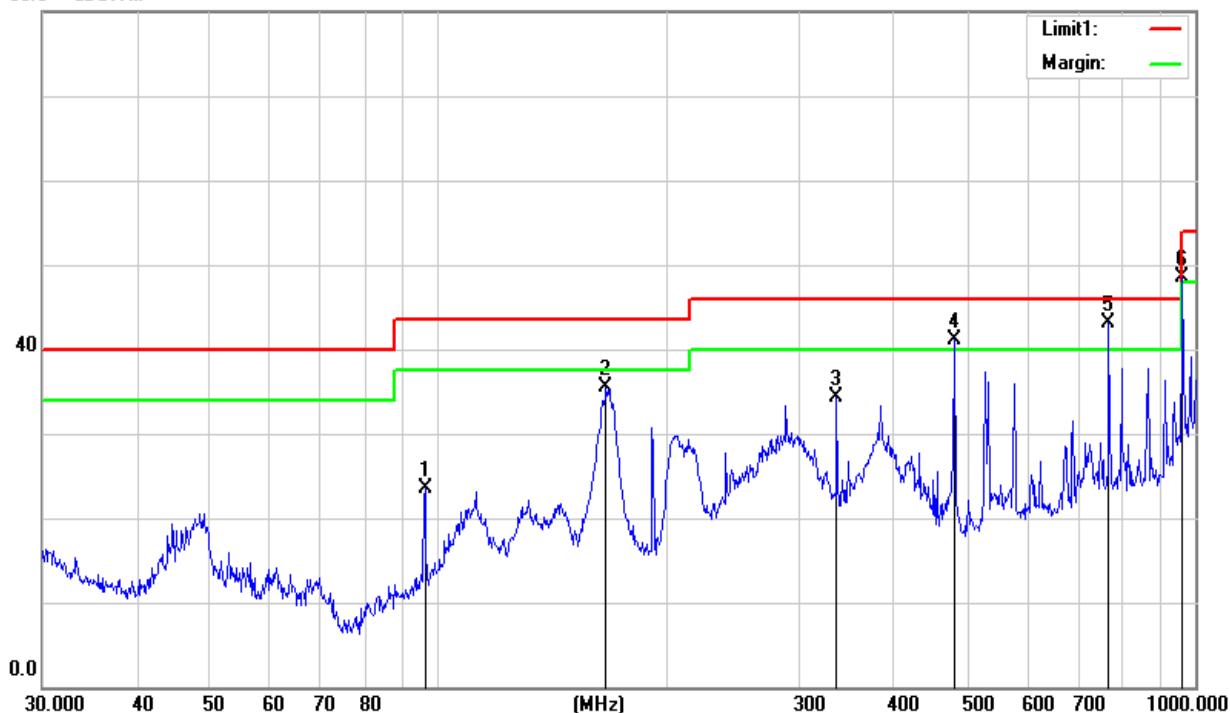
Temperature	26 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	AC 120V/60Hz
Test Mode	(Mode 1-6M worst mode)	Polarization	Horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
96.0986	43.00	-19.58	23.42	43.50	-20.08	QP
166.6514	54.55	-19.05	35.50	43.50	-8.00	QP
336.0352	48.40	-14.05	34.35	46.00	-11.65	QP
480.5276	50.44	-9.38	41.06	46.00	-4.94	QP
768.7481	46.45	-3.39	43.06	46.00	-2.94	QP
962.1623	48.60	-0.12	48.48	54.00	-5.52	QP

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit

80.0 dBuV/m





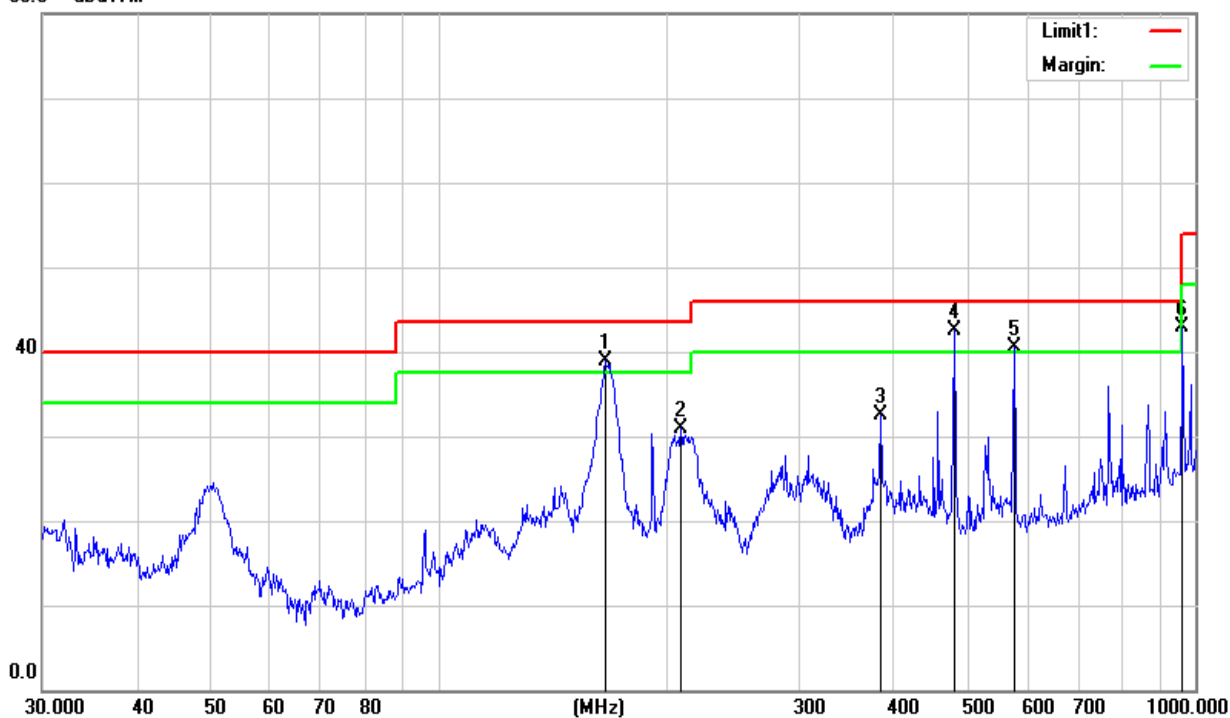
Temperature	26 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	AC 120V/60Hz
Test Mode	(Mode 1-6M worst mode)	Polarization	Vertical

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
166.0680	57.90	-19.00	38.90	43.50	-4.60	QP
209.3130	50.60	-19.78	30.82	43.50	-12.68	QP
383.9318	44.77	-12.35	32.42	46.00	-13.58	QP
480.5276	51.82	-9.38	42.44	46.00	-3.56	QP
576.6443	47.15	-6.69	40.46	46.00	-5.54	QP
962.1623	43.03	-0.12	42.91	54.00	-11.09	QP

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit

80.0 dBuV/m



**3.2.8 TEST RESULTS (ABOVE 1000 MHZ)**

(worst mode)

Band I(5.15-5.25) GHz**Low Channel (802.11a/ 5180 MHz)**

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.26	-9.80	35.46	74.00	-38.54	PK	Vertical
3265.32	39.23	-9.80	29.43	54.00	-24.57	AV	Vertical
3265.29	45.25	-9.80	35.45	74.00	-38.55	PK	Horizontal
3265.29	39.24	-9.80	29.44	54.00	-24.56	AV	Horizontal
3334.92	42.99	-9.75	33.24	74.00	-40.76	PK	Vertical
3334.92	37.01	-9.75	27.26	54.00	-26.74	AV	Vertical
3334.90	43.01	-9.75	33.26	74.00	-40.74	PK	Horizontal
3334.90	37.02	-9.75	27.27	54.00	-26.73	AV	Horizontal
3349.94	42.77	-9.75	33.02	74.00	-40.98	PK	Vertical
3349.94	36.77	-9.75	27.02	54.00	-26.98	AV	Vertical
3349.95	42.80	-9.75	33.05	74.00	-40.95	PK	Horizontal
3349.95	36.79	-9.75	27.04	54.00	-26.96	AV	Horizontal
4000.28	40.14	-6.60	33.54	74.00	-40.46	PK	Vertical
4000.28	34.15	-6.60	27.55	54.00	-26.45	AV	Vertical
4000.27	40.14	-6.60	33.54	74.00	-40.46	PK	Horizontal
4000.27	34.13	-6.60	27.53	54.00	-26.47	AV	Horizontal
7236.36	37.92	3.40	41.32	74.00	-32.68	PK	Vertical
7236.36	31.92	3.40	35.32	54.00	-18.68	AV	Vertical
7236.40	37.94	3.40	41.34	74.00	-32.66	PK	Horizontal
7236.40	31.95	3.40	35.35	54.00	-18.65	AV	Horizontal
8124.49	36.41	4.80	41.21	74.00	-32.79	PK	Vertical
8124.49	30.38	4.80	35.18	54.00	-18.82	AV	Vertical
8124.48	36.40	4.80	41.20	74.00	-32.80	PK	Horizontal
8124.48	30.41	4.80	35.21	54.00	-18.79	AV	Horizontal
9105.18	35.22	5.00	40.22	74.00	-33.78	PK	Vertical
9105.18	29.19	5.00	34.19	54.00	-19.81	AV	Vertical
9105.20	35.21	5.00	40.21	74.00	-33.79	PK	Horizontal
9105.20	29.19	5.00	34.19	54.00	-19.81	AV	Horizontal
10360.43	48.20	10.20	58.40	74.00	-15.60	PK	Vertical
10360.43	37.18	10.20	47.38	54.00	-6.62	AV	Vertical
10360.44	48.18	10.20	58.38	74.00	-15.62	PK	Horizontal
10360.44	37.17	10.20	47.37	54.00	-6.63	AV	Horizontal



11036.43	34.20	10.20	44.40	74.00	-29.60	PK	Vertical
11036.43	28.18	10.20	38.38	54.00	-15.62	AV	Vertical
11036.44	34.18	10.20	44.38	74.00	-29.62	PK	Horizontal
11036.44	28.17	10.20	38.37	54.00	-15.63	AV	Horizontal
13299.95	33.02	12.20	45.22	74.00	-28.78	PK	Vertical
13299.95	27.03	12.20	39.23	54.00	-14.77	AV	Vertical
13299.94	33.03	12.20	45.23	74.00	-28.77	PK	Horizontal
13299.94	27.03	12.20	39.23	54.00	-14.77	AV	Horizontal
14480.29	31.93	13.40	45.33	74.00	-28.67	PK	Vertical
14480.29	25.96	13.40	39.36	54.00	-14.64	AV	Vertical
14480.28	31.92	13.40	45.32	74.00	-28.68	PK	Horizontal
14480.28	25.96	13.40	39.36	54.00	-14.64	AV	Horizontal
15540.29	41.93	13.40	55.33	74.00	-18.67	PK	Vertical
15540.29	33.96	13.40	47.36	54.00	-6.64	AV	Vertical
15540.28	41.92	13.40	55.32	74.00	-18.68	PK	Horizontal
15540.28	35.96	13.40	49.36	54.00	-4.64	AV	Horizontal
16000.30	31.09	12.40	43.49	74.00	-30.51	PK	Vertical
16000.30	25.04	12.40	37.44	54.00	-16.56	AV	Vertical
16000.28	31.07	12.40	43.47	74.00	-30.53	PK	Horizontal
16000.28	25.05	12.40	37.45	54.00	-16.55	AV	Horizontal
17998.36	28.25	23.10	51.35	74.00	-22.65	PK	Vertical
17998.36	23.23	23.10	46.33	54.00	-7.67	AV	Vertical
17998.24	28.24	23.10	51.34	74.00	-22.66	PK	Horizontal
17998.24	23.24	23.10	46.34	54.00	-7.66	AV	Horizontal



Mid Channel (802.11a/ 5200 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.26	-9.80	35.46	74.00	-38.54	PK	Vertical
3265.32	39.23	-9.80	29.43	54.00	-24.57	AV	Vertical
3265.29	45.25	-9.80	35.45	74.00	-38.55	PK	Horizontal
3265.29	39.24	-9.80	29.44	54.00	-24.56	AV	Horizontal
3334.92	42.99	-9.75	33.24	74.00	-40.76	PK	Vertical
3334.92	37.01	-9.75	27.26	54.00	-26.74	AV	Vertical
3334.90	43.01	-9.75	33.26	74.00	-40.74	PK	Horizontal
3334.90	37.02	-9.75	27.27	54.00	-26.73	AV	Horizontal
3349.94	42.77	-9.75	33.02	74.00	-40.98	PK	Vertical
3349.94	36.77	-9.75	27.02	54.00	-26.98	AV	Vertical
3349.95	42.80	-9.75	33.05	74.00	-40.95	PK	Horizontal
3349.95	36.79	-9.75	27.04	54.00	-26.96	AV	Horizontal
4000.28	40.14	-6.60	33.54	74.00	-40.46	PK	Vertical
4000.28	34.15	-6.60	27.55	54.00	-26.45	AV	Vertical
4000.27	40.14	-6.60	33.54	74.00	-40.46	PK	Horizontal
4000.27	34.13	-6.60	27.53	54.00	-26.47	AV	Horizontal
7236.36	37.92	3.40	41.32	74.00	-32.68	PK	Vertical
7236.36	31.92	3.40	35.32	54.00	-18.68	AV	Vertical
7236.40	37.94	3.40	41.34	74.00	-32.66	PK	Horizontal
7236.40	31.95	3.40	35.35	54.00	-18.65	AV	Horizontal
8124.49	36.41	4.80	41.21	74.00	-32.79	PK	Vertical
8124.49	30.38	4.80	35.18	54.00	-18.82	AV	Vertical
8124.48	36.40	4.80	41.20	74.00	-32.80	PK	Horizontal
8124.48	30.41	4.80	35.21	54.00	-18.79	AV	Horizontal
9105.18	35.22	5.00	40.22	74.00	-33.78	PK	Vertical
9105.18	29.19	5.00	34.19	54.00	-19.81	AV	Vertical
9105.20	35.21	5.00	40.21	74.00	-33.79	PK	Horizontal
9105.20	29.19	5.00	34.19	54.00	-19.81	AV	Horizontal
10400.43	48.20	10.20	58.40	74.00	-15.60	PK	Vertical
10400.43	38.18	10.20	48.38	54.00	-5.62	AV	Vertical
10400.44	48.18	10.20	58.38	74.00	-15.62	PK	Horizontal
10400.44	38.17	10.20	48.37	54.00	-5.63	AV	Horizontal
11036.43	34.20	10.20	44.40	74.00	-29.60	PK	Vertical
11036.43	28.18	10.20	38.38	54.00	-15.62	AV	Vertical



11036.44	34.18	10.20	44.38	74.00	-29.62	PK	Horizontal
11036.44	28.17	10.20	38.37	54.00	-15.63	AV	Horizontal
13299.95	33.02	12.20	45.22	74.00	-28.78	PK	Vertical
13299.95	27.03	12.20	39.23	54.00	-14.77	AV	Vertical
13299.94	33.03	12.20	45.23	74.00	-28.77	PK	Horizontal
13299.94	27.03	12.20	39.23	54.00	-14.77	AV	Horizontal
14480.29	31.93	13.40	45.33	74.00	-28.67	PK	Vertical
14480.29	25.96	13.40	39.36	54.00	-14.64	AV	Vertical
14480.28	31.92	13.40	45.32	74.00	-28.68	PK	Horizontal
14480.28	25.96	13.40	39.36	54.00	-14.64	AV	Horizontal
15600.29	42.93	13.40	56.33	74.00	-17.67	PK	Vertical
15600.29	35.96	13.40	49.36	54.00	-4.64	AV	Vertical
15600.28	42.92	13.40	56.32	74.00	-17.68	PK	Horizontal
15600.28	35.96	13.40	49.36	54.00	-4.64	AV	Horizontal
16000.30	31.09	12.40	43.49	74.00	-30.51	PK	Vertical
16000.30	25.04	12.40	37.44	54.00	-16.56	AV	Vertical
16000.28	31.07	12.40	43.47	74.00	-30.53	PK	Horizontal
16000.28	25.05	12.40	37.45	54.00	-16.55	AV	Horizontal
17998.36	28.25	23.10	51.35	74.00	-22.65	PK	Vertical
17998.36	22.23	23.10	45.33	54.00	-8.67	AV	Vertical
17998.24	28.24	23.10	51.34	74.00	-22.66	PK	Horizontal
17998.24	22.24	23.10	45.34	54.00	-8.66	AV	Horizontal



High Channel (802.11a/ 5240 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	31.93	-9.80	22.13	74.00	-51.87	PK	Vertical
3265.32	26.96	-9.80	17.16	54.00	-36.84	AV	Vertical
3265.29	31.92	-9.80	22.12	74.00	-51.88	PK	Horizontal
3265.29	26.96	-9.80	17.16	54.00	-36.84	AV	Horizontal
3334.92	31.09	-9.75	21.34	74.00	-52.66	PK	Vertical
3334.92	26.04	-9.75	16.29	54.00	-37.71	AV	Vertical
3334.90	31.07	-9.75	21.32	74.00	-52.68	PK	Horizontal
3334.90	26.05	-9.75	16.30	54.00	-37.70	AV	Horizontal
3349.94	31.09	-9.75	21.34	74.00	-52.66	PK	Vertical
3349.94	26.04	-9.75	16.29	54.00	-37.71	AV	Vertical
3349.95	31.07	-9.75	21.32	74.00	-52.68	PK	Horizontal
3349.95	26.05	-9.75	16.30	54.00	-37.70	AV	Horizontal
4000.28	28.25	-6.60	21.65	74.00	-52.35	PK	Vertical
4000.28	23.23	-6.60	16.63	54.00	-37.37	AV	Vertical
4000.27	28.24	-6.60	21.64	74.00	-52.36	PK	Horizontal
4000.27	23.24	-6.60	16.64	54.00	-37.36	AV	Horizontal
7236.36	37.92	3.40	41.32	74.00	-32.68	PK	Vertical
7236.36	31.92	3.40	35.32	54.00	-18.68	AV	Vertical
7236.40	37.94	3.40	41.34	74.00	-32.66	PK	Horizontal
7236.40	31.95	3.40	35.35	54.00	-18.65	AV	Horizontal
8124.49	36.41	4.80	41.21	74.00	-32.79	PK	Vertical
8124.49	30.38	4.80	35.18	54.00	-18.82	AV	Vertical
8124.48	36.40	4.80	41.20	74.00	-32.80	PK	Horizontal
8124.48	30.41	4.80	35.21	54.00	-18.79	AV	Horizontal
9105.18	35.22	5.00	40.22	74.00	-33.78	PK	Vertical
9105.18	29.19	5.00	34.19	54.00	-19.81	AV	Vertical
9105.20	35.21	5.00	40.21	74.00	-33.79	PK	Horizontal
9105.20	29.19	5.00	34.19	54.00	-19.81	AV	Horizontal
10480.43	47.20	10.20	57.40	74.00	-16.60	PK	Vertical
10480.43	39.18	10.20	49.38	54.00	-4.62	AV	Vertical
10480.44	47.18	10.20	57.38	74.00	-16.62	PK	Horizontal
10480.44	39.17	10.20	49.37	54.00	-4.63	AV	Horizontal
11036.43	34.20	10.20	44.40	74.00	-29.60	PK	Vertical
11036.43	28.18	10.20	38.38	54.00	-15.62	AV	Vertical



11036.44	34.18	10.20	44.38	74.00	-29.62	PK	Horizontal
11036.44	28.17	10.20	38.37	54.00	-15.63	AV	Horizontal
13299.95	33.02	12.20	45.22	74.00	-28.78	PK	Vertical
13299.95	27.03	12.20	39.23	54.00	-14.77	AV	Vertical
13299.94	33.03	12.20	45.23	74.00	-28.77	PK	Horizontal
13299.94	27.03	12.20	39.23	54.00	-14.77	AV	Horizontal
14480.29	31.93	13.40	45.33	74.00	-28.67	PK	Vertical
14480.29	25.96	13.40	39.36	54.00	-14.64	AV	Vertical
14480.28	31.92	13.40	45.32	74.00	-28.68	PK	Horizontal
14480.28	25.96	13.40	39.36	54.00	-14.64	AV	Horizontal
15720.30	42.09	12.40	54.49	74.00	-19.51	PK	Vertical
15720.30	33.04	12.40	45.44	54.00	-8.56	AV	Vertical
15720.28	42.07	12.40	54.47	74.00	-19.53	PK	Horizontal
15720.28	33.05	12.40	45.45	54.00	-8.55	AV	Horizontal
16200.30	31.09	12.40	43.49	74.00	-30.51	PK	Vertical
16200.30	25.04	12.40	37.44	54.00	-16.56	AV	Vertical
16200.28	31.07	12.40	43.47	74.00	-30.53	PK	Horizontal
16200.28	25.05	12.40	37.45	54.00	-16.55	AV	Horizontal
17998.36	28.25	23.10	51.35	74.00	-22.65	PK	Vertical
17998.36	22.23	23.10	45.33	54.00	-8.67	AV	Vertical
17998.24	28.24	23.10	51.34	74.00	-22.66	PK	Horizontal
17998.24	22.24	23.10	45.34	54.00	-8.66	AV	Horizontal

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Scan with 802.11a,802.11n (HT-20),802.11n (HT-40) the worst case is 802.11a.
3. The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



Band II 5250-5350MHz

Low Channel (802.11a/ 5260 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.17	-9.80	35.37	74.00	-38.63	PK	Vertical
3265.32	39.16	-9.80	29.36	54.00	-24.64	AV	Vertical
3265.29	45.17	-9.80	35.37	74.00	-38.63	PK	Horizontal
3265.29	39.16	-9.80	29.36	54.00	-24.64	AV	Horizontal
3334.92	42.92	-9.75	33.17	74.00	-40.83	PK	Vertical
3334.92	36.94	-9.75	27.19	54.00	-26.81	AV	Vertical
3334.90	42.94	-9.75	33.19	74.00	-40.81	PK	Horizontal
3334.90	36.96	-9.75	27.21	54.00	-26.79	AV	Horizontal
3349.94	42.70	-9.75	32.95	74.00	-41.05	PK	Vertical
3349.94	36.70	-9.75	26.95	54.00	-27.05	AV	Vertical
3349.95	42.74	-9.75	32.99	74.00	-41.01	PK	Horizontal
3349.95	36.72	-9.75	26.97	54.00	-27.03	AV	Horizontal
4000.28	40.08	-6.60	33.48	74.00	-40.52	PK	Vertical
4000.28	34.07	-6.60	27.47	54.00	-26.53	AV	Vertical
4000.27	40.05	-6.60	33.45	74.00	-40.55	PK	Horizontal
4000.27	34.04	-6.60	27.44	54.00	-26.56	AV	Horizontal
7236.36	37.85	3.40	41.25	74.00	-32.75	PK	Vertical
7236.36	31.83	3.40	35.23	54.00	-18.77	AV	Vertical
7236.40	37.88	3.40	41.28	74.00	-32.72	PK	Horizontal
7236.40	31.85	3.40	35.25	54.00	-18.75	AV	Horizontal
8124.49	36.35	4.80	41.15	74.00	-32.85	PK	Vertical
8124.49	30.30	4.80	35.10	54.00	-18.90	AV	Vertical
8124.48	36.33	4.80	41.13	74.00	-32.87	PK	Horizontal
8124.48	30.35	4.80	35.15	54.00	-18.85	AV	Horizontal
9105.18	35.16	5.00	40.16	74.00	-33.84	PK	Vertical
9105.18	29.09	5.00	34.09	54.00	-19.91	AV	Vertical
9105.20	35.13	5.00	40.13	74.00	-33.87	PK	Horizontal
9105.20	29.11	5.00	34.11	54.00	-19.89	AV	Horizontal
10520.43	48.13	10.20	58.33	74.00	-15.67	PK	Vertical
10520.43	37.10	10.20	47.30	54.00	-6.70	AV	Vertical
10520.44	48.12	10.20	58.32	74.00	-15.68	PK	Horizontal
10520.44	37.10	10.20	47.30	54.00	-6.70	AV	Horizontal



11036.43	34.11	10.20	44.31	74.00	-29.69	PK	Vertical
11036.43	28.08	10.20	38.28	54.00	-15.72	AV	Vertical
11036.44	34.09	10.20	44.29	74.00	-29.71	PK	Horizontal
11036.44	28.09	10.20	38.29	54.00	-15.71	AV	Horizontal
13299.95	32.96	12.20	45.16	74.00	-28.84	PK	Vertical
13299.95	26.95	12.20	39.15	54.00	-14.85	AV	Vertical
13299.94	32.94	12.20	45.14	74.00	-28.86	PK	Horizontal
13299.94	26.97	12.20	39.17	54.00	-14.83	AV	Horizontal
14480.29	31.88	13.40	45.28	74.00	-28.72	PK	Vertical
14480.29	25.88	13.40	39.28	54.00	-14.72	AV	Vertical
14480.28	31.85	13.40	45.25	74.00	-28.75	PK	Horizontal
14480.28	25.86	13.40	39.26	54.00	-14.74	AV	Horizontal
15780.29	41.83	13.40	55.23	74.00	-18.77	PK	Vertical
15780.29	33.88	13.40	47.28	54.00	-6.72	AV	Vertical
15780.28	41.85	13.40	55.25	74.00	-18.75	PK	Horizontal
15780.28	35.87	13.40	49.27	54.00	-4.73	AV	Horizontal
16000.30	31.04	12.40	43.44	74.00	-30.56	PK	Vertical
16000.30	24.94	12.40	37.34	54.00	-16.66	AV	Vertical
16000.28	31.01	12.40	43.41	74.00	-30.59	PK	Horizontal
16000.28	24.99	12.40	37.39	54.00	-16.61	AV	Horizontal
17998.36	28.19	23.10	51.29	74.00	-22.71	PK	Vertical
17998.36	23.17	23.10	46.27	54.00	-7.73	AV	Vertical
17998.24	28.15	23.10	51.25	74.00	-22.75	PK	Horizontal
17998.24	23.15	23.10	46.25	54.00	-7.75	AV	Horizontal



Mid Channel (802.11a/ 5300 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.18	-9.80	35.38	74.00	-38.62	PK	Vertical
3265.32	39.16	-9.80	29.36	54.00	-24.64	AV	Vertical
3265.29	45.16	-9.80	35.36	74.00	-38.64	PK	Horizontal
3265.29	39.19	-9.80	29.39	54.00	-24.61	AV	Horizontal
3334.92	42.92	-9.75	33.17	74.00	-40.83	PK	Vertical
3334.92	36.91	-9.75	27.16	54.00	-26.84	AV	Vertical
3334.90	42.92	-9.75	33.17	74.00	-40.83	PK	Horizontal
3334.90	36.92	-9.75	27.17	54.00	-26.83	AV	Horizontal
3349.94	42.70	-9.75	32.95	74.00	-41.05	PK	Vertical
3349.94	36.72	-9.75	26.97	54.00	-27.03	AV	Vertical
3349.95	42.71	-9.75	32.96	74.00	-41.04	PK	Horizontal
3349.95	36.72	-9.75	26.97	54.00	-27.03	AV	Horizontal
4000.28	40.07	-6.60	33.47	74.00	-40.53	PK	Vertical
4000.28	34.07	-6.60	27.47	54.00	-26.53	AV	Vertical
4000.27	40.06	-6.60	33.46	74.00	-40.54	PK	Horizontal
4000.27	34.04	-6.60	27.44	54.00	-26.56	AV	Horizontal
7236.36	37.86	3.40	41.26	74.00	-32.74	PK	Vertical
7236.36	31.83	3.40	35.23	54.00	-18.77	AV	Vertical
7236.40	37.87	3.40	41.27	74.00	-32.73	PK	Horizontal
7236.40	31.88	3.40	35.28	54.00	-18.72	AV	Horizontal
8124.49	36.34	4.80	41.14	74.00	-32.86	PK	Vertical
8124.49	30.32	4.80	35.12	54.00	-18.88	AV	Vertical
8124.48	36.31	4.80	41.11	74.00	-32.89	PK	Horizontal
8124.48	30.36	4.80	35.16	54.00	-18.84	AV	Horizontal
9105.18	35.13	5.00	40.13	74.00	-33.87	PK	Vertical
9105.18	29.12	5.00	34.12	54.00	-19.88	AV	Vertical
9105.20	35.16	5.00	40.16	74.00	-33.84	PK	Horizontal
9105.20	29.14	5.00	34.14	54.00	-19.86	AV	Horizontal
10600.43	48.15	10.20	58.35	74.00	-15.65	PK	Vertical
10600.43	38.11	10.20	48.31	54.00	-5.69	AV	Vertical
10600.44	48.11	10.20	58.31	74.00	-15.69	PK	Horizontal
10600.44	38.12	10.20	48.32	54.00	-5.68	AV	Horizontal
11036.43	34.11	10.20	44.31	74.00	-29.69	PK	Vertical



11036.43	28.11	10.20	38.31	54.00	-15.69	AV	Vertical
11036.44	34.13	10.20	44.33	74.00	-29.67	PK	Horizontal
11036.44	28.10	10.20	38.30	54.00	-15.70	AV	Horizontal
13299.95	32.93	12.20	45.13	74.00	-28.87	PK	Vertical
13299.95	26.97	12.20	39.17	54.00	-14.83	AV	Vertical
13299.94	32.96	12.20	45.16	74.00	-28.84	PK	Horizontal
13299.94	26.97	12.20	39.17	54.00	-14.83	AV	Horizontal
14480.29	31.86	13.40	45.26	74.00	-28.74	PK	Vertical
14480.29	25.87	13.40	39.27	54.00	-14.73	AV	Vertical
14480.28	31.85	13.40	45.25	74.00	-28.75	PK	Horizontal
14480.28	25.87	13.40	39.27	54.00	-14.73	AV	Horizontal
15900.29	42.87	13.40	56.27	74.00	-17.73	PK	Vertical
15900.29	35.89	13.40	49.29	54.00	-4.71	AV	Vertical
15900.28	42.87	13.40	56.27	74.00	-17.73	PK	Horizontal
15900.28	35.90	13.40	49.30	54.00	-4.70	AV	Horizontal
16000.30	31.03	12.40	43.43	74.00	-30.57	PK	Vertical
16000.30	24.96	12.40	37.36	54.00	-16.64	AV	Vertical
16000.28	30.99	12.40	43.39	74.00	-30.61	PK	Horizontal
16000.28	24.97	12.40	37.37	54.00	-16.63	AV	Horizontal
17998.36	28.18	23.10	51.28	74.00	-22.72	PK	Vertical
17998.36	22.16	23.10	45.26	54.00	-8.74	AV	Vertical
17998.24	28.18	23.10	51.28	74.00	-22.72	PK	Horizontal
17998.24	22.14	23.10	45.24	54.00	-8.76	AV	Horizontal



High Channel (802.11a/ 5320 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	31.84	-9.80	22.04	74.00	-51.96	PK	Vertical
3265.32	26.89	-9.80	17.09	54.00	-36.91	AV	Vertical
3265.29	31.86	-9.80	22.06	74.00	-51.94	PK	Horizontal
3265.29	26.87	-9.80	17.07	54.00	-36.93	AV	Horizontal
3334.92	31.00	-9.75	21.25	74.00	-52.75	PK	Vertical
3334.92	25.95	-9.75	16.20	54.00	-37.80	AV	Vertical
3334.90	30.98	-9.75	21.23	74.00	-52.77	PK	Horizontal
3334.90	25.99	-9.75	16.24	54.00	-37.76	AV	Horizontal
3349.94	31.00	-9.75	21.25	74.00	-52.75	PK	Vertical
3349.94	25.96	-9.75	16.21	54.00	-37.79	AV	Vertical
3349.95	31.00	-9.75	21.25	74.00	-52.75	PK	Horizontal
3349.95	25.99	-9.75	16.24	54.00	-37.76	AV	Horizontal
4000.28	28.18	-6.60	21.58	74.00	-52.42	PK	Vertical
4000.28	23.15	-6.60	16.55	54.00	-37.45	AV	Vertical
4000.27	28.14	-6.60	21.54	74.00	-52.46	PK	Horizontal
4000.27	23.16	-6.60	16.56	54.00	-37.44	AV	Horizontal
7236.36	37.84	3.40	41.24	74.00	-32.76	PK	Vertical
7236.36	31.87	3.40	35.27	54.00	-18.73	AV	Vertical
7236.40	37.87	3.40	41.27	74.00	-32.73	PK	Horizontal
7236.40	31.88	3.40	35.28	54.00	-18.72	AV	Horizontal
8124.49	36.33	4.80	41.13	74.00	-32.87	PK	Vertical
8124.49	30.32	4.80	35.12	54.00	-18.88	AV	Vertical
8124.48	36.34	4.80	41.14	74.00	-32.86	PK	Horizontal
8124.48	30.31	4.80	35.11	54.00	-18.89	AV	Horizontal
9105.18	35.14	5.00	40.14	74.00	-33.86	PK	Vertical
9105.18	29.10	5.00	34.10	54.00	-19.90	AV	Vertical
9105.20	35.12	5.00	40.12	74.00	-33.88	PK	Horizontal
9105.20	29.14	5.00	34.14	54.00	-19.86	AV	Horizontal
10640.43	47.14	10.20	57.34	74.00	-16.66	PK	Vertical
10640.43	39.10	10.20	49.30	54.00	-4.70	AV	Vertical
10640.44	47.13	10.20	57.33	74.00	-16.67	PK	Horizontal
10640.44	39.10	10.20	49.30	54.00	-4.70	AV	Horizontal
11036.43	34.13	10.20	44.33	74.00	-29.67	PK	Vertical
11036.43	28.09	10.20	38.29	54.00	-15.71	AV	Vertical



11036.44	34.09	10.20	44.29	74.00	-29.71	PK	Horizontal
11036.44	28.09	10.20	38.29	54.00	-15.71	AV	Horizontal
13299.95	32.95	12.20	45.15	74.00	-28.85	PK	Vertical
13299.95	26.94	12.20	39.14	54.00	-14.86	AV	Vertical
13299.94	32.97	12.20	45.17	74.00	-28.83	PK	Horizontal
13299.94	26.95	12.20	39.15	54.00	-14.85	AV	Horizontal
14480.29	31.87	13.40	45.27	74.00	-28.73	PK	Vertical
14480.29	25.91	13.40	39.31	54.00	-14.69	AV	Vertical
14480.28	31.82	13.40	45.22	74.00	-28.78	PK	Horizontal
14480.28	25.91	13.40	39.31	54.00	-14.69	AV	Horizontal
15960.30	41.99	12.40	54.39	74.00	-19.61	PK	Vertical
15960.30	32.97	12.40	45.37	54.00	-8.63	AV	Vertical
15960.28	42.01	12.40	54.41	74.00	-19.59	PK	Horizontal
15960.28	32.99	12.40	45.39	54.00	-8.61	AV	Horizontal
16200.30	31.00	12.40	43.40	74.00	-30.60	PK	Vertical
16200.30	24.99	12.40	37.39	54.00	-16.61	AV	Vertical
16200.28	31.01	12.40	43.41	74.00	-30.59	PK	Horizontal
16200.28	24.96	12.40	37.36	54.00	-16.64	AV	Horizontal
17998.36	28.17	23.10	51.27	74.00	-22.73	PK	Vertical
17998.36	22.15	23.10	45.25	54.00	-8.75	AV	Vertical
17998.24	28.18	23.10	51.28	74.00	-22.72	PK	Horizontal
17998.24	22.14	23.10	45.24	54.00	-8.76	AV	Horizontal

Remark:

2. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. Scan with 802.11a,802.11n (HT-20) ,802.11n (HT-40) the worst case is 802.11a.

3. The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



Band III 5470-5725MHz

Low Channel (802.11a/ 5500 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.18	-9.80	35.38	74.00	-38.62	PK	Vertical
3265.32	40.13	-9.80	30.33	54.00	-23.67	AV	Vertical
3265.29	45.16	-9.80	35.36	74.00	-38.64	PK	Horizontal
3265.29	40.15	-9.80	30.35	54.00	-23.65	AV	Horizontal
3334.92	42.92	-9.75	33.17	74.00	-40.83	PK	Vertical
3334.92	37.91	-9.75	28.16	54.00	-25.84	AV	Vertical
3334.90	42.95	-9.75	33.20	74.00	-40.80	PK	Horizontal
3334.90	37.93	-9.75	28.18	54.00	-25.82	AV	Horizontal
3349.94	42.69	-9.75	32.94	74.00	-41.06	PK	Vertical
3349.94	37.67	-9.75	27.92	54.00	-26.08	AV	Vertical
3349.95	42.71	-9.75	32.96	74.00	-41.04	PK	Horizontal
3349.95	37.70	-9.75	27.95	54.00	-26.05	AV	Horizontal
4000.28	40.05	-6.60	33.45	74.00	-40.55	PK	Vertical
4000.28	35.08	-6.60	28.48	54.00	-25.52	AV	Vertical
4000.27	40.07	-6.60	33.47	74.00	-40.53	PK	Horizontal
4000.27	35.08	-6.60	28.48	54.00	-25.52	AV	Horizontal
7236.36	37.82	3.40	41.22	74.00	-32.78	PK	Vertical
7236.36	32.84	3.40	36.24	54.00	-17.76	AV	Vertical
7236.40	37.88	3.40	41.28	74.00	-32.72	PK	Horizontal
7236.40	32.88	3.40	36.28	54.00	-17.72	AV	Horizontal
8124.49	36.33	4.80	41.13	74.00	-32.87	PK	Vertical
8124.49	31.32	4.80	36.12	54.00	-17.88	AV	Vertical
8124.48	36.30	4.80	41.10	74.00	-32.90	PK	Horizontal
8124.48	31.32	4.80	36.12	54.00	-17.88	AV	Horizontal
9105.18	35.15	5.00	40.15	74.00	-33.85	PK	Vertical
9105.18	30.13	5.00	35.13	54.00	-18.87	AV	Vertical
9105.20	35.15	5.00	40.15	74.00	-33.85	PK	Horizontal
9105.20	30.12	5.00	35.12	54.00	-18.88	AV	Horizontal
11000.43	34.12	10.20	44.32	74.00	-29.68	PK	Vertical
11000.43	29.11	10.20	39.31	54.00	-14.69	AV	Vertical
11000.44	34.10	10.20	44.30	74.00	-29.70	PK	Horizontal
11036.44	29.12	10.20	39.32	54.00	-14.68	AV	Horizontal



11490.43	45.14	10.20	55.34	74.00	-18.66	PK	Vertical
11490.43	36.12	10.20	46.32	54.00	-7.68	AV	Vertical
11490.44	45.11	10.20	55.31	74.00	-18.69	PK	Horizontal
11490.44	36.08	10.20	46.28	54.00	-7.72	AV	Horizontal
13299.95	32.97	12.20	45.17	74.00	-28.83	PK	Vertical
13299.95	27.96	12.20	40.16	54.00	-13.84	AV	Vertical
13299.94	32.98	12.20	45.18	74.00	-28.82	PK	Horizontal
13299.94	27.98	12.20	40.18	54.00	-13.82	AV	Horizontal
14480.29	31.85	13.40	45.25	74.00	-28.75	PK	Vertical
14480.29	26.90	13.40	40.30	54.00	-13.70	AV	Vertical
14480.28	31.86	13.40	45.26	74.00	-28.74	PK	Horizontal
14480.28	26.88	13.40	40.28	54.00	-13.72	AV	Horizontal
16000.30	31.04	12.40	43.44	74.00	-30.56	PK	Vertical
16000.30	25.98	12.40	38.38	54.00	-15.62	AV	Vertical
16000.28	31.00	12.40	43.40	74.00	-30.60	PK	Horizontal
16000.28	25.96	12.40	38.36	54.00	-15.64	AV	Horizontal
16500.36	38.20	23.10	61.30	74.00	-12.70	PK	Vertical
16500.36	27.15	23.10	50.25	54.00	-3.75	AV	Vertical
16500.24	38.18	23.10	61.28	74.00	-12.72	PK	Horizontal
16500.24	27.16	23.10	50.26	54.00	-3.74	AV	Horizontal
17998.36	28.18	23.10	51.28	74.00	-22.72	PK	Vertical
17998.36	23.13	23.10	46.23	54.00	-7.77	AV	Vertical
17998.24	28.18	23.10	51.28	74.00	-22.72	PK	Horizontal
17998.24	23.15	23.10	46.25	54.00	-7.75	AV	Horizontal



Mid Channel (802.11a/ 5580 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.18	-9.80	35.38	74.00	-38.62	PK	Vertical
3265.32	40.16	-9.80	30.36	54.00	-23.64	AV	Vertical
3265.29	45.15	-9.80	35.35	74.00	-38.65	PK	Horizontal
3265.29	40.15	-9.80	30.35	54.00	-23.65	AV	Horizontal
3334.92	42.92	-9.75	33.17	74.00	-40.83	PK	Vertical
3334.92	37.92	-9.75	28.17	54.00	-25.83	AV	Vertical
3334.90	42.91	-9.75	33.16	74.00	-40.84	PK	Horizontal
3334.90	37.96	-9.75	28.21	54.00	-25.79	AV	Horizontal
3349.94	42.70	-9.75	32.95	74.00	-41.05	PK	Vertical
3349.94	37.69	-9.75	27.94	54.00	-26.06	AV	Vertical
3349.95	42.71	-9.75	32.96	74.00	-41.04	PK	Horizontal
3349.95	37.70	-9.75	27.95	54.00	-26.05	AV	Horizontal
4000.28	40.04	-6.60	33.44	74.00	-40.56	PK	Vertical
4000.28	35.10	-6.60	28.50	54.00	-25.50	AV	Vertical
4000.27	40.07	-6.60	33.47	74.00	-40.53	PK	Horizontal
4000.27	35.03	-6.60	28.43	54.00	-25.57	AV	Horizontal
7236.36	37.85	3.40	41.25	74.00	-32.75	PK	Vertical
7236.36	32.84	3.40	36.24	54.00	-17.76	AV	Vertical
7236.40	37.85	3.40	41.25	74.00	-32.75	PK	Horizontal
7236.40	32.87	3.40	36.27	54.00	-17.73	AV	Horizontal
8124.49	36.31	4.80	41.11	74.00	-32.89	PK	Vertical
8124.49	31.31	4.80	36.11	54.00	-17.89	AV	Vertical
8124.48	36.32	4.80	41.12	74.00	-32.88	PK	Horizontal
8124.48	31.32	4.80	36.12	54.00	-17.88	AV	Horizontal
9105.18	35.17	5.00	40.17	74.00	-33.83	PK	Vertical
9105.18	30.14	5.00	35.14	54.00	-18.86	AV	Vertical
9105.20	35.13	5.00	40.13	74.00	-33.87	PK	Horizontal
9105.20	30.09	5.00	35.09	54.00	-18.91	AV	Horizontal
11036.43	34.11	10.20	44.31	74.00	-29.69	PK	Vertical
11036.43	29.13	10.20	39.33	54.00	-14.67	AV	Vertical
11036.44	34.11	10.20	44.31	74.00	-29.69	PK	Horizontal
11036.44	29.07	10.20	39.27	54.00	-14.73	AV	Horizontal
11160.43	44.11	10.20	54.31	74.00	-19.69	PK	Vertical



11160.43	35.09	10.20	45.29	54.00	-8.71	AV	Vertical
11160.44	44.09	10.20	54.29	74.00	-19.71	PK	Horizontal
11160.44	35.09	10.20	45.29	54.00	-8.71	AV	Horizontal
13299.95	32.96	12.20	45.16	74.00	-28.84	PK	Vertical
13299.95	27.97	12.20	40.17	54.00	-13.83	AV	Vertical
13299.94	32.95	12.20	45.15	74.00	-28.85	PK	Horizontal
13299.94	27.97	12.20	40.17	54.00	-13.83	AV	Horizontal
14480.29	31.84	13.40	45.24	74.00	-28.76	PK	Vertical
14480.29	26.89	13.40	40.29	54.00	-13.71	AV	Vertical
14480.28	31.86	13.40	45.26	74.00	-28.74	PK	Horizontal
14480.28	26.88	13.40	40.28	54.00	-13.72	AV	Horizontal
16000.30	31.02	12.40	43.42	74.00	-30.58	PK	Vertical
16000.30	25.98	12.40	38.38	54.00	-15.62	AV	Vertical
16000.28	30.99	12.40	43.39	74.00	-30.61	PK	Horizontal
16000.28	25.96	12.40	38.36	54.00	-15.64	AV	Horizontal
16740.36	37.18	23.10	60.28	74.00	-13.72	PK	Vertical
16740.36	25.17	23.10	48.27	54.00	-5.73	AV	Vertical
16740.24	37.17	23.10	60.27	74.00	-13.73	PK	Horizontal
16740.24	25.18	23.10	48.28	54.00	-5.72	AV	Horizontal
17998.36	28.20	23.10	51.30	74.00	-22.70	PK	Vertical
17998.36	23.17	23.10	46.27	54.00	-7.73	AV	Vertical
17998.24	28.18	23.10	51.28	74.00	-22.72	PK	Horizontal
17998.24	23.15	23.10	46.25	54.00	-7.75	AV	Horizontal



High Channel (802.11a/ 5700 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	44.25	-9.80	34.45	74.00	-39.55	PK	Vertical
3265.32	38.27	-9.80	28.47	54.00	-25.53	AV	Vertical
3265.29	44.22	-9.80	34.42	74.00	-39.58	PK	Horizontal
3265.29	38.20	-9.80	28.40	54.00	-25.60	AV	Horizontal
3334.92	41.98	-9.75	32.23	74.00	-41.77	PK	Vertical
3334.92	37.00	-9.75	27.25	54.00	-26.75	AV	Vertical
3334.90	42.01	-9.75	32.26	74.00	-41.74	PK	Horizontal
3334.90	36.99	-9.75	27.24	54.00	-26.76	AV	Horizontal
3349.94	41.75	-9.75	32.00	74.00	-42.00	PK	Vertical
3349.94	36.77	-9.75	27.02	54.00	-26.98	AV	Vertical
3349.95	41.71	-9.75	31.96	74.00	-42.04	PK	Horizontal
3349.95	36.80	-9.75	27.05	54.00	-26.95	AV	Horizontal
4000.28	39.16	-6.60	32.56	74.00	-41.44	PK	Vertical
4000.28	34.10	-6.60	27.50	54.00	-26.50	AV	Vertical
4000.27	39.13	-6.60	32.53	74.00	-41.47	PK	Horizontal
4000.27	34.08	-6.60	27.48	54.00	-26.52	AV	Horizontal
7236.36	36.91	3.40	40.31	74.00	-33.69	PK	Vertical
7236.36	31.91	3.40	35.31	54.00	-18.69	AV	Vertical
7236.40	36.91	3.40	40.31	74.00	-33.69	PK	Horizontal
7236.40	31.95	3.40	35.35	54.00	-18.65	AV	Horizontal
8124.49	35.36	4.80	40.16	74.00	-33.84	PK	Vertical
8124.49	30.30	4.80	35.10	54.00	-18.90	AV	Vertical
8124.48	35.31	4.80	40.11	74.00	-33.89	PK	Horizontal
8124.48	30.35	4.80	35.15	54.00	-18.85	AV	Horizontal
9105.18	34.17	5.00	39.17	74.00	-34.83	PK	Vertical
9105.18	29.20	5.00	34.20	54.00	-19.80	AV	Vertical
9105.20	34.19	5.00	39.19	74.00	-34.81	PK	Horizontal
9105.20	29.16	5.00	34.16	54.00	-19.84	AV	Horizontal
11036.43	33.19	10.20	43.39	74.00	-30.61	PK	Vertical
11036.43	28.16	10.20	38.36	54.00	-15.64	AV	Vertical
11036.44	33.14	10.20	43.34	74.00	-30.66	PK	Horizontal
11036.44	28.11	10.20	38.31	54.00	-15.69	AV	Horizontal
11400.43	43.17	10.20	53.37	74.00	-20.63	PK	Vertical
11400.43	32.15	10.20	42.35	54.00	-11.65	AV	Vertical



11400.44	43.21	10.20	53.41	74.00	-20.59	PK	Horizontal
11400.44	32.11	10.20	42.31	54.00	-11.69	AV	Horizontal
13299.95	32.06	12.20	44.26	74.00	-29.74	PK	Vertical
13299.95	26.96	12.20	39.16	54.00	-14.84	AV	Vertical
13299.94	32.03	12.20	44.23	74.00	-29.77	PK	Horizontal
13299.94	27.03	12.20	39.23	54.00	-14.77	AV	Horizontal
14480.29	30.94	13.40	44.34	74.00	-29.66	PK	Vertical
14480.29	25.91	13.40	39.31	54.00	-14.69	AV	Vertical
14480.28	30.87	13.40	44.27	74.00	-29.73	PK	Horizontal
14480.28	25.99	13.40	39.39	54.00	-14.61	AV	Horizontal
16000.57	30.09	12.40	42.49	74.00	-31.51	PK	Vertical
16000.57	24.98	12.40	37.38	54.00	-16.62	AV	Vertical
16000.38	30.06	12.40	42.46	74.00	-31.54	PK	Horizontal
16000.38	25.03	12.40	37.43	54.00	-16.57	AV	Horizontal
16100.25	39.24	23.10	62.34	74.00	-11.66	PK	Vertical
16100.25	22.21	23.10	45.31	54.00	-8.69	AV	Vertical
16100.24	39.19	23.10	62.29	74.00	-11.71	PK	Horizontal
16100.24	22.18	23.10	45.28	54.00	-8.72	AV	Horizontal
17998.36	27.28	23.10	50.38	74.00	-23.62	PK	Vertical
17998.36	16.19	23.10	39.29	54.00	-14.71	AV	Vertical
17998.24	27.25	23.10	50.35	74.00	-23.65	PK	Horizontal
17998.24	16.21	23.10	39.31	54.00	-14.69	AV	Horizontal

Remark:

3. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. Scan with 802.11a,802.11n (HT-20) ,802.11n (HT-40) the worst case is 802.11a.

3. The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



Band IV(5.725-5.850) GHz

Low Channel (802.11a/ 5745 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.26	-9.80	35.46	74.00	-38.54	PK	Vertical
3265.32	40.23	-9.80	30.43	54.00	-23.57	AV	Vertical
3265.29	45.25	-9.80	35.45	74.00	-38.55	PK	Horizontal
3265.29	40.24	-9.80	30.44	54.00	-23.56	AV	Horizontal
3334.92	42.99	-9.75	33.24	74.00	-40.76	PK	Vertical
3334.92	38.01	-9.75	28.26	54.00	-25.74	AV	Vertical
3334.90	43.01	-9.75	33.26	74.00	-40.74	PK	Horizontal
3334.90	38.02	-9.75	28.27	54.00	-25.73	AV	Horizontal
3349.94	42.77	-9.75	33.02	74.00	-40.98	PK	Vertical
3349.94	37.77	-9.75	28.02	54.00	-25.98	AV	Vertical
3349.95	42.80	-9.75	33.05	74.00	-40.95	PK	Horizontal
3349.95	37.79	-9.75	28.04	54.00	-25.96	AV	Horizontal
4000.28	40.14	-6.60	33.54	74.00	-40.46	PK	Vertical
4000.28	35.15	-6.60	28.55	54.00	-25.45	AV	Vertical
4000.27	40.14	-6.60	33.54	74.00	-40.46	PK	Horizontal
4000.27	35.13	-6.60	28.53	54.00	-25.47	AV	Horizontal
7236.36	37.92	3.40	41.32	74.00	-32.68	PK	Vertical
7236.36	32.92	3.40	36.32	54.00	-17.68	AV	Vertical
7236.40	37.94	3.40	41.34	74.00	-32.66	PK	Horizontal
7236.40	32.95	3.40	36.35	54.00	-17.65	AV	Horizontal
8124.49	36.41	4.80	41.21	74.00	-32.79	PK	Vertical
8124.49	31.38	4.80	36.18	54.00	-17.82	AV	Vertical
8124.48	36.40	4.80	41.20	74.00	-32.80	PK	Horizontal
8124.48	31.41	4.80	36.21	54.00	-17.79	AV	Horizontal
9105.18	35.22	5.00	40.22	74.00	-33.78	PK	Vertical
9105.18	30.19	5.00	35.19	54.00	-18.81	AV	Vertical
9105.20	35.21	5.00	40.21	74.00	-33.79	PK	Horizontal
9105.20	30.19	5.00	35.19	54.00	-18.81	AV	Horizontal
11036.43	34.20	10.20	44.40	74.00	-29.60	PK	Vertical
11036.43	29.18	10.20	39.38	54.00	-14.62	AV	Vertical
11036.44	34.18	10.20	44.38	74.00	-29.62	PK	Horizontal
11036.44	29.17	10.20	39.37	54.00	-14.63	AV	Horizontal



11490.43	45.20	10.20	55.40	74.00	-18.60	PK	Vertical
11490.43	36.18	10.20	46.38	54.00	-7.62	AV	Vertical
11490.44	45.18	10.20	55.38	74.00	-18.62	PK	Horizontal
11490.44	36.17	10.20	46.37	54.00	-7.63	AV	Horizontal
13299.95	33.02	12.20	45.22	74.00	-28.78	PK	Vertical
13299.95	28.03	12.20	40.23	54.00	-13.77	AV	Vertical
13299.94	33.03	12.20	45.23	74.00	-28.77	PK	Horizontal
13299.94	28.03	12.20	40.23	54.00	-13.77	AV	Horizontal
14480.29	31.93	13.40	45.33	74.00	-28.67	PK	Vertical
14480.29	26.96	13.40	40.36	54.00	-13.64	AV	Vertical
14480.28	31.92	13.40	45.32	74.00	-28.68	PK	Horizontal
14480.28	26.96	13.40	40.36	54.00	-13.64	AV	Horizontal
16000.30	31.09	12.40	43.49	74.00	-30.51	PK	Vertical
16000.30	26.04	12.40	38.44	54.00	-15.56	AV	Vertical
16000.28	31.07	12.40	43.47	74.00	-30.53	PK	Horizontal
16000.28	26.05	12.40	38.45	54.00	-15.55	AV	Horizontal
17235.36	38.25	23.10	61.35	74.00	-12.65	PK	Vertical
17235.36	27.23	23.10	50.33	54.00	-3.67	AV	Vertical
17235.24	38.24	23.10	61.34	74.00	-12.66	PK	Horizontal
17235.24	27.24	23.10	50.34	54.00	-3.66	AV	Horizontal
17998.36	28.25	23.10	51.35	74.00	-22.65	PK	Vertical
17998.36	23.23	23.10	46.33	54.00	-7.67	AV	Vertical
17998.24	28.24	23.10	51.34	74.00	-22.66	PK	Horizontal
17998.24	23.24	23.10	46.34	54.00	-7.66	AV	Horizontal



Mid Channel (802.11a/ 5785 MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	45.26	-9.80	35.46	74.00	-38.54	PK	Vertical
3265.32	40.23	-9.80	30.43	54.00	-23.57	AV	Vertical
3265.29	45.25	-9.80	35.45	74.00	-38.55	PK	Horizontal
3265.29	40.24	-9.80	30.44	54.00	-23.56	AV	Horizontal
3334.92	42.99	-9.75	33.24	74.00	-40.76	PK	Vertical
3334.92	38.01	-9.75	28.26	54.00	-25.74	AV	Vertical
3334.90	43.01	-9.75	33.26	74.00	-40.74	PK	Horizontal
3334.90	38.02	-9.75	28.27	54.00	-25.73	AV	Horizontal
3349.94	42.77	-9.75	33.02	74.00	-40.98	PK	Vertical
3349.94	37.77	-9.75	28.02	54.00	-25.98	AV	Vertical
3349.95	42.80	-9.75	33.05	74.00	-40.95	PK	Horizontal
3349.95	37.79	-9.75	28.04	54.00	-25.96	AV	Horizontal
4000.28	40.14	-6.60	33.54	74.00	-40.46	PK	Vertical
4000.28	35.15	-6.60	28.55	54.00	-25.45	AV	Vertical
4000.27	40.14	-6.60	33.54	74.00	-40.46	PK	Horizontal
4000.27	35.13	-6.60	28.53	54.00	-25.47	AV	Horizontal
7236.36	37.92	3.40	41.32	74.00	-32.68	PK	Vertical
7236.36	32.92	3.40	36.32	54.00	-17.68	AV	Vertical
7236.40	37.94	3.40	41.34	74.00	-32.66	PK	Horizontal
7236.40	32.95	3.40	36.35	54.00	-17.65	AV	Horizontal
8124.49	36.41	4.80	41.21	74.00	-32.79	PK	Vertical
8124.49	31.38	4.80	36.18	54.00	-17.82	AV	Vertical
8124.48	36.40	4.80	41.20	74.00	-32.80	PK	Horizontal
8124.48	31.41	4.80	36.21	54.00	-17.79	AV	Horizontal
9105.18	35.22	5.00	40.22	74.00	-33.78	PK	Vertical
9105.18	30.19	5.00	35.19	54.00	-18.81	AV	Vertical
9105.20	35.21	5.00	40.21	74.00	-33.79	PK	Horizontal
9105.20	30.19	5.00	35.19	54.00	-18.81	AV	Horizontal
11036.43	34.20	10.20	44.40	74.00	-29.60	PK	Vertical
11036.43	29.18	10.20	39.38	54.00	-14.62	AV	Vertical
11036.44	34.18	10.20	44.38	74.00	-29.62	PK	Horizontal
11036.44	29.17	10.20	39.37	54.00	-14.63	AV	Horizontal
11570.43	44.20	10.20	54.40	74.00	-19.60	PK	Vertical
11570.43	35.18	10.20	45.38	54.00	-8.62	AV	Vertical



11570.44	44.18	10.20	54.38	74.00	-19.62	PK	Horizontal
11570.44	35.17	10.20	45.37	54.00	-8.63	AV	Horizontal
13299.95	33.02	12.20	45.22	74.00	-28.78	PK	Vertical
13299.95	28.03	12.20	40.23	54.00	-13.77	AV	Vertical
13299.94	33.03	12.20	45.23	74.00	-28.77	PK	Horizontal
13299.94	28.03	12.20	40.23	54.00	-13.77	AV	Horizontal
14480.29	31.93	13.40	45.33	74.00	-28.67	PK	Vertical
14480.29	26.96	13.40	40.36	54.00	-13.64	AV	Vertical
14480.28	31.92	13.40	45.32	74.00	-28.68	PK	Horizontal
14480.28	26.96	13.40	40.36	54.00	-13.64	AV	Horizontal
16000.30	31.09	12.40	43.49	74.00	-30.51	PK	Vertical
16000.30	26.04	12.40	38.44	54.00	-15.56	AV	Vertical
16000.28	31.07	12.40	43.47	74.00	-30.53	PK	Horizontal
16000.28	26.05	12.40	38.45	54.00	-15.55	AV	Horizontal
17355.36	37.25	23.10	60.35	74.00	-13.65	PK	Vertical
17355.36	25.23	23.10	48.33	54.00	-5.67	AV	Vertical
17355.24	37.24	23.10	60.34	74.00	-13.66	PK	Horizontal
17355.24	25.24	23.10	48.34	54.00	-5.66	AV	Horizontal
17998.36	28.25	23.10	51.35	74.00	-22.65	PK	Vertical
17998.36	23.23	23.10	46.33	54.00	-7.67	AV	Vertical
17998.24	28.24	23.10	51.34	74.00	-22.66	PK	Horizontal
17998.24	23.24	23.10	46.34	54.00	-7.66	AV	Horizontal



High Channel (802.11a/ 5825MHz)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3265.32	44.32	-9.80	34.52	74.00	-39.48	PK	Vertical
3265.32	38.33	-9.80	28.53	54.00	-25.47	AV	Vertical
3265.29	44.31	-9.80	34.51	74.00	-39.49	PK	Horizontal
3265.29	38.25	-9.80	28.45	54.00	-25.55	AV	Horizontal
3334.92	42.05	-9.75	32.30	74.00	-41.70	PK	Vertical
3334.92	37.07	-9.75	27.32	54.00	-26.68	AV	Vertical
3334.90	42.10	-9.75	32.35	74.00	-41.65	PK	Horizontal
3334.90	37.07	-9.75	27.32	54.00	-26.68	AV	Horizontal
3349.94	41.81	-9.75	32.06	74.00	-41.94	PK	Vertical
3349.94	36.85	-9.75	27.10	54.00	-26.90	AV	Vertical
3349.95	41.81	-9.75	32.06	74.00	-41.94	PK	Horizontal
3349.95	36.86	-9.75	27.11	54.00	-26.89	AV	Horizontal
4000.28	39.22	-6.60	32.62	74.00	-41.38	PK	Vertical
4000.28	34.19	-6.60	27.59	54.00	-26.41	AV	Vertical
4000.27	39.23	-6.60	32.63	74.00	-41.37	PK	Horizontal
4000.27	34.17	-6.60	27.57	54.00	-26.43	AV	Horizontal
7236.36	36.97	3.40	40.37	74.00	-33.63	PK	Vertical
7236.36	32.00	3.40	35.40	54.00	-18.60	AV	Vertical
7236.40	36.98	3.40	40.38	74.00	-33.62	PK	Horizontal
7236.40	32.02	3.40	35.42	54.00	-18.58	AV	Horizontal
8124.49	35.43	4.80	40.23	74.00	-33.77	PK	Vertical
8124.49	30.39	4.80	35.19	54.00	-18.81	AV	Vertical
8124.48	35.40	4.80	40.20	74.00	-33.80	PK	Horizontal
8124.48	30.41	4.80	35.21	54.00	-18.79	AV	Horizontal
9105.18	34.25	5.00	39.25	74.00	-34.75	PK	Vertical
9105.18	29.29	5.00	34.29	54.00	-19.71	AV	Vertical
9105.20	34.26	5.00	39.26	74.00	-34.74	PK	Horizontal
9105.20	29.25	5.00	34.25	54.00	-19.75	AV	Horizontal
11036.43	33.28	10.20	43.48	74.00	-30.52	PK	Vertical
11036.43	28.24	10.20	38.44	54.00	-15.56	AV	Vertical
11036.44	33.22	10.20	43.42	74.00	-30.58	PK	Horizontal
11036.44	28.19	10.20	38.39	54.00	-15.61	AV	Horizontal
11650.43	43.25	10.20	53.45	74.00	-20.55	PK	Vertical



11650.43	32.24	10.20	42.44	54.00	-11.56	AV	Vertical
11650.44	43.28	10.20	53.48	74.00	-20.52	PK	Horizontal
11650.44	32.18	10.20	42.38	54.00	-11.62	AV	Horizontal
13299.95	32.12	12.20	44.32	74.00	-29.68	PK	Vertical
13299.95	27.05	12.20	39.25	54.00	-14.75	AV	Vertical
13299.94	32.12	12.20	44.32	74.00	-29.68	PK	Horizontal
13299.94	27.09	12.20	39.29	54.00	-14.71	AV	Horizontal
14480.29	31.03	13.40	44.43	74.00	-29.57	PK	Vertical
14480.29	26.00	13.40	39.40	54.00	-14.60	AV	Vertical
14480.28	30.96	13.40	44.36	74.00	-29.64	PK	Horizontal
14480.28	26.05	13.40	39.45	54.00	-14.55	AV	Horizontal
16000.57	30.16	12.40	42.56	74.00	-31.44	PK	Vertical
16000.57	25.07	12.40	37.47	54.00	-16.53	AV	Vertical
16000.38	30.13	12.40	42.53	74.00	-31.47	PK	Horizontal
16000.38	25.13	12.40	37.53	54.00	-16.47	AV	Horizontal
17475.25	39.30	23.10	62.40	74.00	-11.60	PK	Vertical
17475.25	22.26	23.10	45.36	54.00	-8.64	AV	Vertical
17475.24	39.25	23.10	62.35	74.00	-11.65	PK	Horizontal
17475.24	22.24	23.10	45.34	54.00	-8.66	AV	Horizontal
17998.36	27.33	23.10	50.43	74.00	-23.57	PK	Vertical
17998.36	16.28	23.10	39.38	54.00	-14.62	AV	Vertical
17998.24	27.33	23.10	50.43	74.00	-23.57	PK	Horizontal
17998.24	16.30	23.10	39.40	54.00	-14.60	AV	Horizontal

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Scan with 802.11a,802.11n (HT-20),802.11n (HT-40) the worst case is 802.11a.
3. The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.

**3.2.9 (Band Edge) (worst mode)****Band I(5.15-5.35) GHz**

Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBμV/m)	Limit (dBuV/m)	Margin (dB)	Detect or	Comment
802.11a BW20MHz							
5150	41.91	-3.62	38.29	74	-35.71	PK	Vertical
5150	31.85	-3.62	28.23	54	-25.77	AV	Vertical
5150	42.30	-3.62	38.68	74	-35.32	PK	Horizontal
5150	31.78	-3.62	28.16	54	-25.84	AV	Horizontal
5350	42.31	-3.25	39.06	74	-34.94	PK	Vertical
5350	32.01	-3.25	28.76	54	-25.24	AV	Vertical
5350	42.02	-3.25	38.77	74	-35.23	PK	Horizontal
5350	32.07	-3.25	28.82	54	-25.18	AV	Horizontal
802.11n BW20MHz							
5150	42.26	-3.62	38.64	74	-35.36	PK	Vertical
5150	32.26	-3.62	28.64	54	-25.36	AV	Vertical
5150	42.08	-3.62	38.46	74	-35.54	PK	Horizontal
5150	32.03	-3.62	28.41	54	-25.59	AV	Horizontal
5350	42.06	-3.25	38.81	74	-35.19	PK	Vertical
5350	31.85	-3.25	28.60	54	-25.40	AV	Vertical
5350	42.16	-3.25	38.91	74	-35.09	PK	Horizontal
5350	31.94	-3.25	28.69	54	-25.31	AV	Horizontal
802.11n BW40MHz							
5150	41.83	-3.62	38.21	74	-35.79	PK	Vertical
5150	31.20	-3.62	27.58	54	-26.42	AV	Vertical
5150	41.36	-3.62	37.74	74	-36.26	PK	Horizontal
5150	30.55	-3.62	26.93	54	-27.07	AV	Horizontal
5350	40.38	-3.25	37.13	74	-36.87	PK	Vertical
5350	31.60	-3.25	28.35	54	-25.65	AV	Vertical
5350	40.45	-3.25	37.20	74	-36.80	PK	Horizontal
5350	29.75	-3.25	26.50	54	-27.50	AV	Horizontal

**Band III 5470-5725MHz**

Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBμV/m)	Limit (dBuV/m)	Margin (dB)	Detect or	Comment
802.11a BW20MHz							
5470	41.84	-3.62	38.22	74	-35.78	PK	Vertical
5470	31.83	-3.62	28.21	54	-25.79	AV	Vertical
5470	42.26	-3.62	38.64	74	-35.36	PK	Horizontal
5470	31.73	-3.62	28.11	54	-25.89	AV	Horizontal
5725	42.28	-3.25	39.03	74	-34.97	PK	Vertical
5725	31.94	-3.25	28.69	54	-25.31	AV	Vertical
5725	41.92	-3.25	38.67	74	-35.33	PK	Horizontal
5725	32.05	-3.25	28.80	54	-25.20	AV	Horizontal
802.11n BW20MHz							
5470	42.18	-3.62	38.56	74	-35.44	PK	Vertical
5470	32.18	-3.62	28.56	54	-25.44	AV	Vertical
5470	41.99	-3.62	38.37	74	-35.63	PK	Horizontal
5470	31.97	-3.62	28.35	54	-25.65	AV	Horizontal
5725	42.05	-3.25	38.80	74	-35.20	PK	Vertical
5725	31.77	-3.25	28.52	54	-25.48	AV	Vertical
5725	42.15	-3.25	38.90	74	-35.10	PK	Horizontal
5725	31.89	-3.25	28.64	54	-25.36	AV	Horizontal
802.11n BW40MHz							
5470	41.80	-3.62	38.18	74	-35.82	PK	Vertical
5470	31.14	-3.62	27.52	54	-26.48	AV	Vertical
5470	41.33	-3.62	37.71	74	-36.29	PK	Horizontal
5470	30.45	-3.62	26.83	54	-27.17	AV	Horizontal
5725	40.33	-3.25	37.08	74	-36.92	PK	Vertical
5725	31.50	-3.25	28.25	54	-25.75	AV	Vertical
5725	40.39	-3.25	37.14	74	-36.86	PK	Horizontal
5725	29.66	-3.25	26.41	54	-27.59	AV	Horizontal

**Band IV(5.725-5.85 GHz)**

Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBμV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
802.11a BW20MHz							
5725	41.90	-3.62	38.28	74	-35.72	PK	Vertical
5725	31.80	-3.62	28.18	54	-25.82	AV	Vertical
5725	42.03	-3.62	38.41	74	-35.59	PK	Horizontal
5725	32.08	-3.62	28.46	54	-25.54	AV	Horizontal
5850	42.15	-3.25	38.90	74	-35.10	PK	Vertical
5850	32.09	-3.25	28.84	54	-25.16	AV	Vertical
5850	41.95	-3.25	38.70	74	-35.30	PK	Horizontal
5850	31.83	-3.25	28.58	54	-25.42	AV	Horizontal
802.11n BW20MHz							
5725	41.88	-3.62	38.26	74	-35.74	PK	Vertical
5725	32.25	-3.62	28.63	54	-25.37	AV	Vertical
5725	42.10	-3.62	38.48	74	-35.52	PK	Horizontal
5725	32.15	-3.62	28.53	54	-25.47	AV	Horizontal
5850	42.22	-3.25	38.97	74	-35.03	PK	Vertical
5850	31.79	-3.25	28.54	54	-25.46	AV	Vertical
5850	41.99	-3.25	38.74	74	-35.26	PK	Horizontal
5850	31.98	-3.25	28.73	54	-25.27	AV	Horizontal
802.11n BW40MHz							
5725	41.87	-3.62	38.25	74	-35.75	PK	Vertical
5725	32.24	-3.62	28.62	54	-25.38	AV	Vertical
5725	42.10	-3.62	38.48	74	-35.52	PK	Horizontal
5725	32.15	-3.62	28.53	54	-25.47	AV	Horizontal
5850	42.19	-3.25	38.94	74	-35.06	PK	Vertical
5850	31.78	-3.25	28.53	54	-25.47	AV	Vertical
5850	41.98	-3.25	38.73	74	-35.27	PK	Horizontal
5850	32.00	-3.25	28.75	54	-25.25	AV	Horizontal

4. CONDUCTED SPURIOUS EMISSIONS

4.1 APPLIED PROCEDURES / LIMIT

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

4.1.1 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	1000 KHz/3000 KHz
Trace-Mode:	Max hold

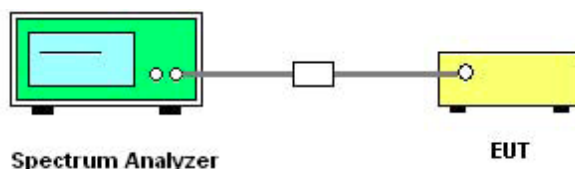
For Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 5700 to 5725 MHz Upper Band Edge: 5850 to 5870 MHz
RB / VB (emission in restricted band)	1000 KHz/3000 KHz
Trace-Mode:	Max hold

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1000 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



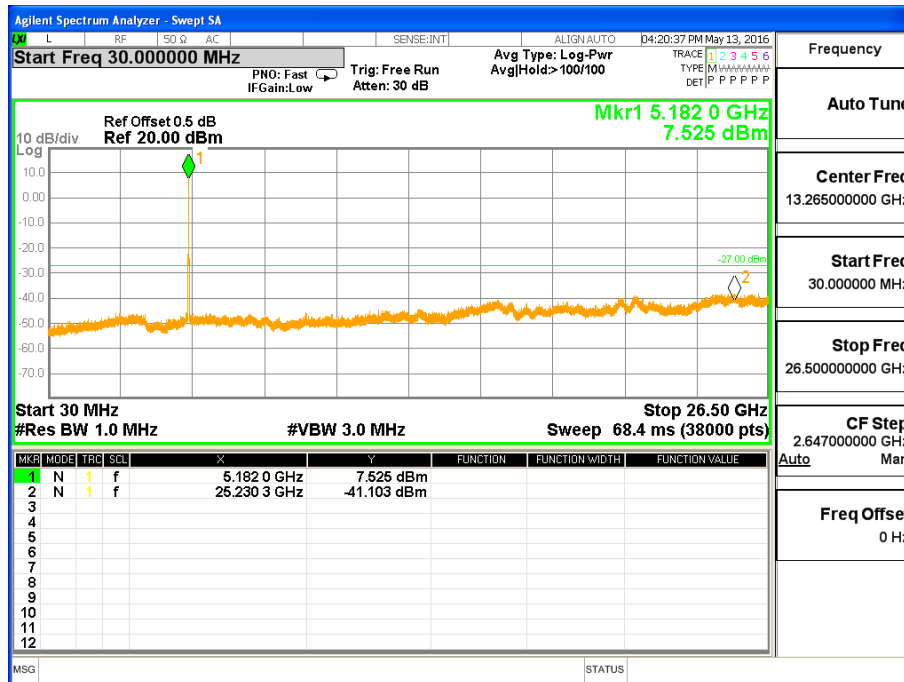
4.1.5 TEST RESULTS

Not:

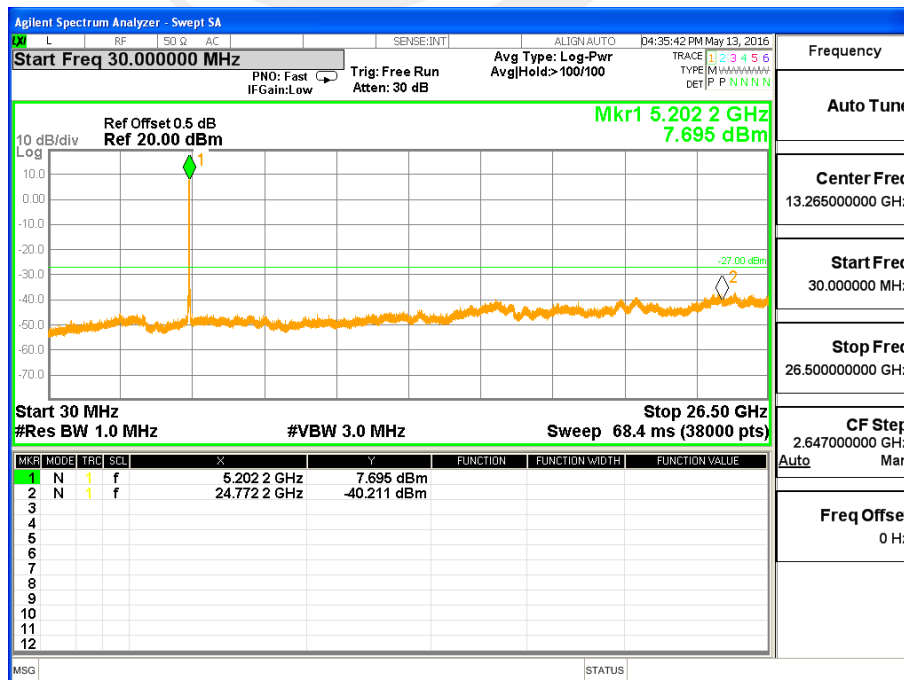
1. Above 26.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

Band I (5.15-5.25GHz)

TX Spurious Emissions /802.11a Mode CH 36 (30M-26.5G)

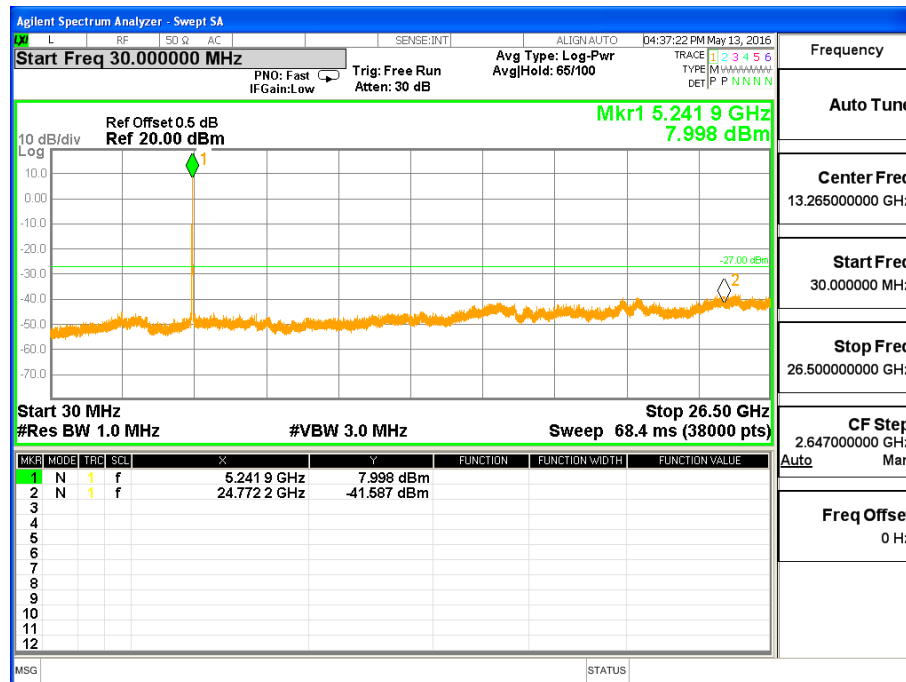


TX Spurious Emissions /802.11a Mode CH 40(30M-26.5G)





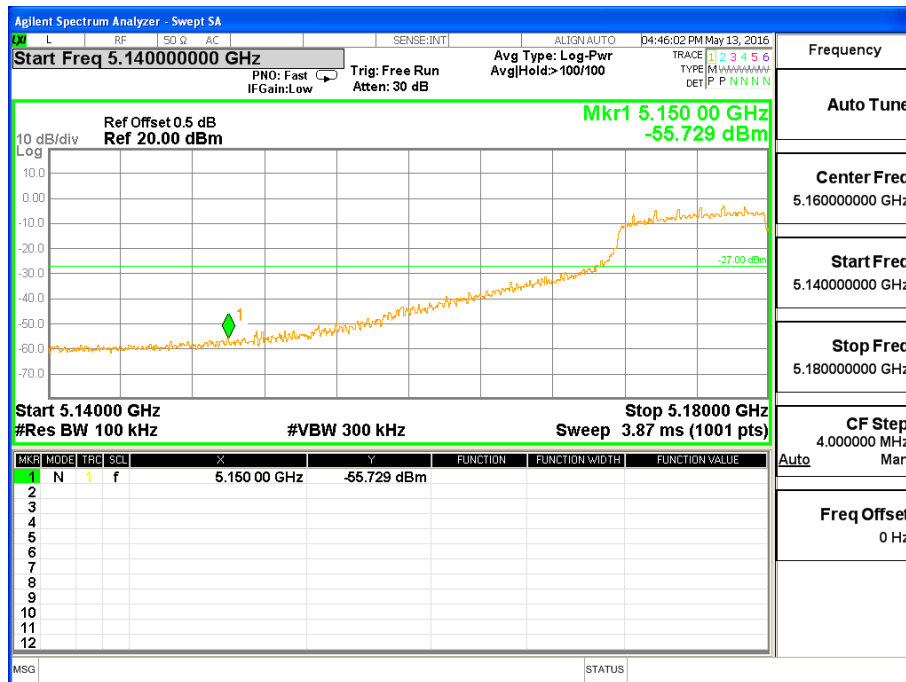
TX Spurious Emissions /802.11a Mode CH 48(30M-26.5G)



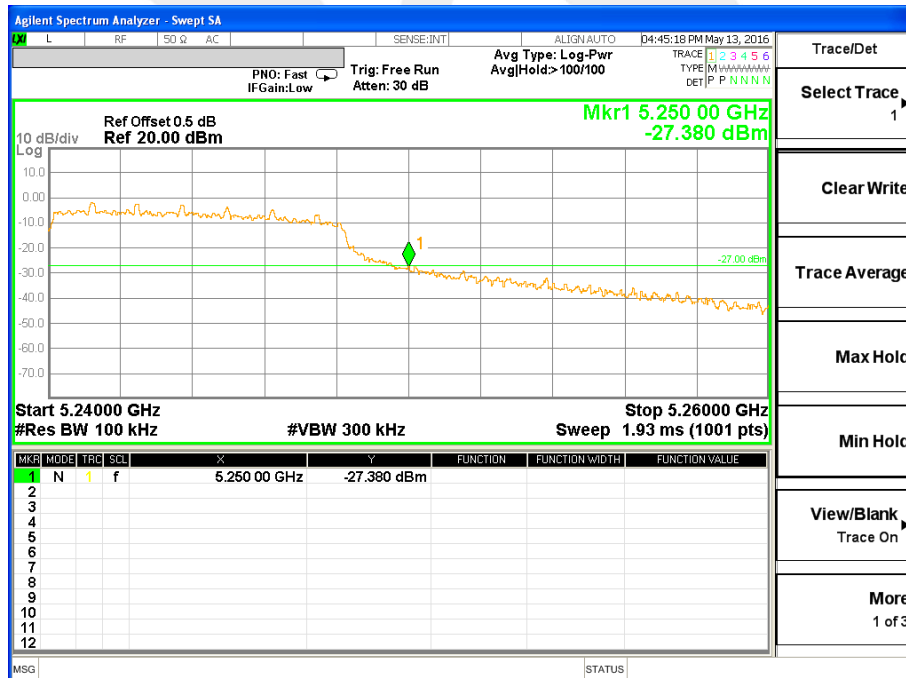


Band edge

TX Band edge /802.11a Mode CH 36



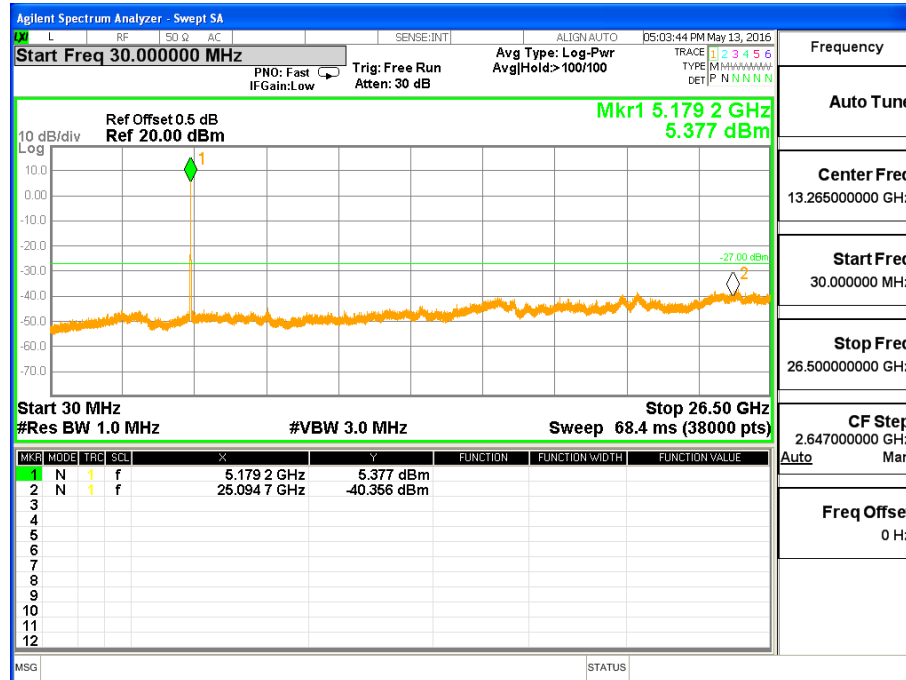
TX Band edge /802.11a Mode CH 48



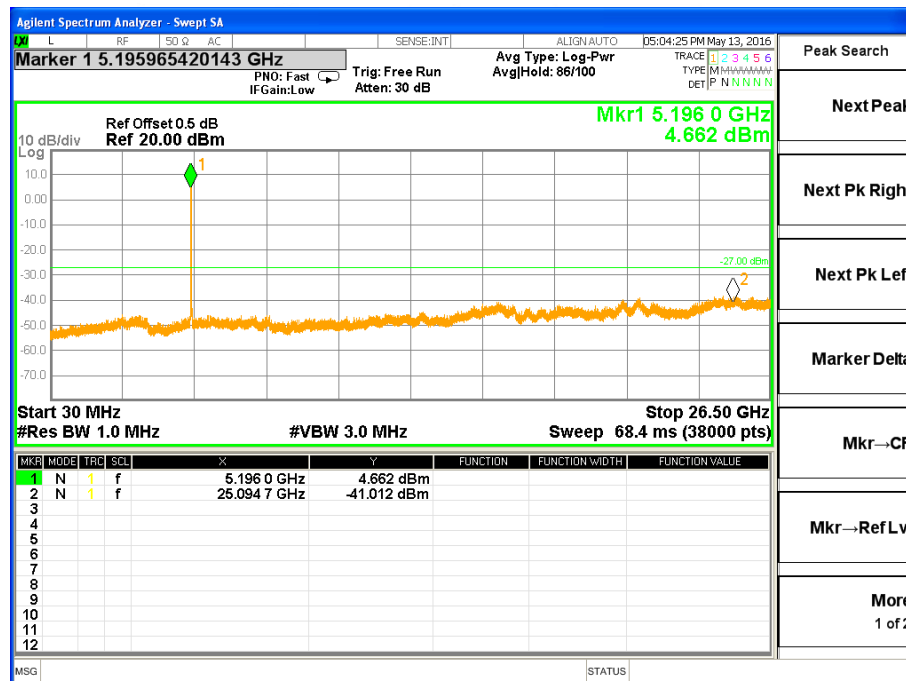


Band I (5.15-5.25GHz)

TX Spurious Emissions /802.11n(HT20) Mode CH 36 (30M-26.5G)

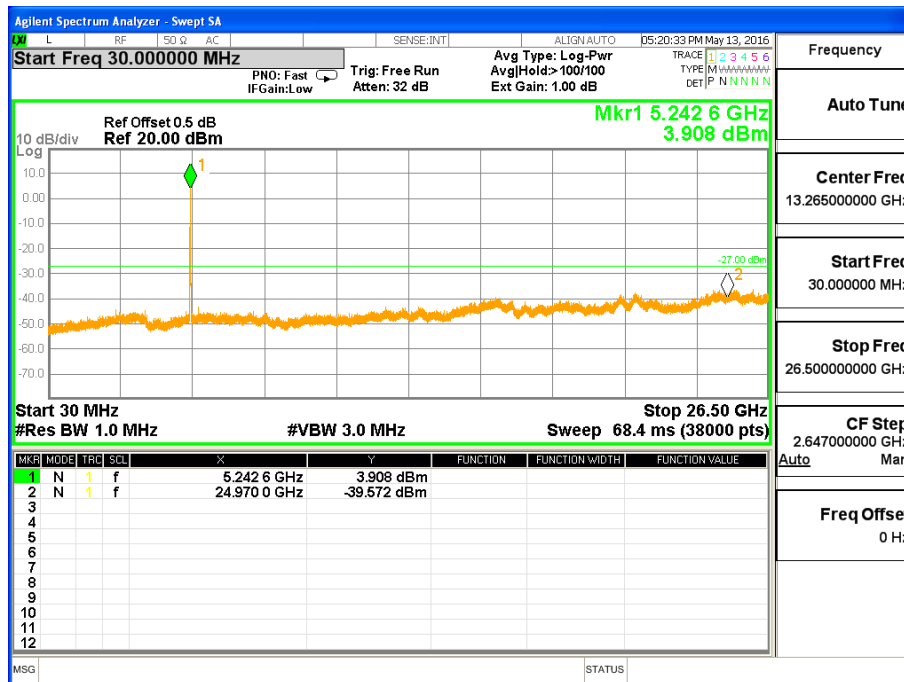


TX Spurious Emissions /802.11n(HT20) Mode CH 40 (30M-26.5G)





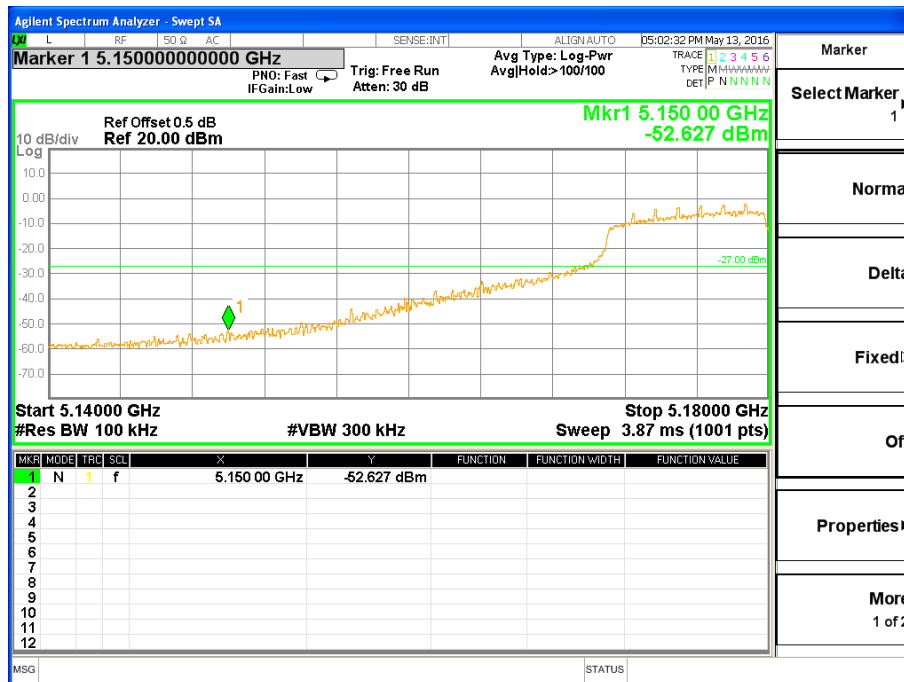
TX Spurious Emissions /802.11n(HT20) Mode CH 48(30M-26.5G)



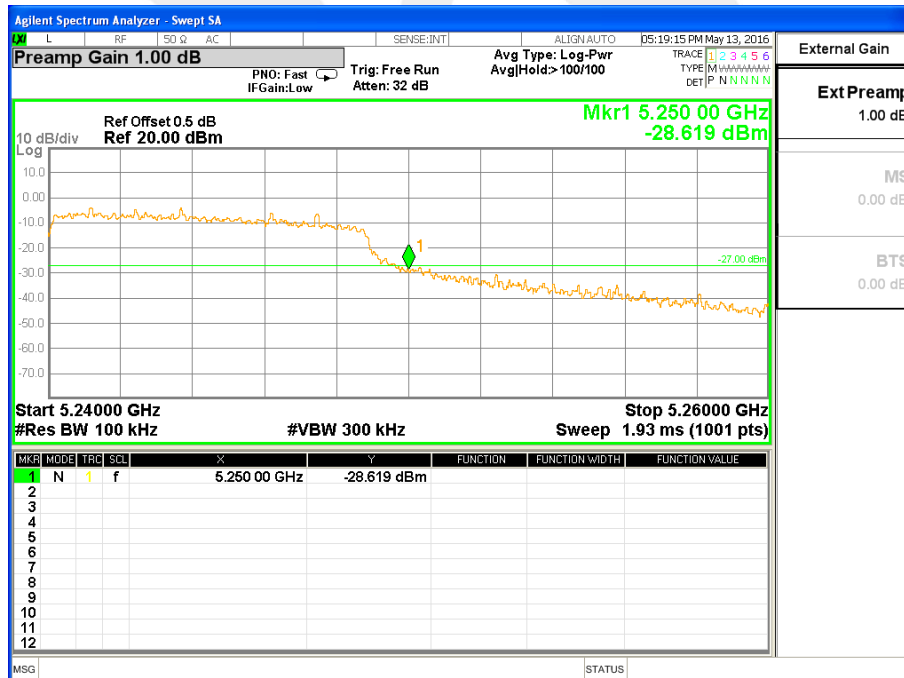


Band edge

TX Band edge /802.11n(HT20) Mode CH 36



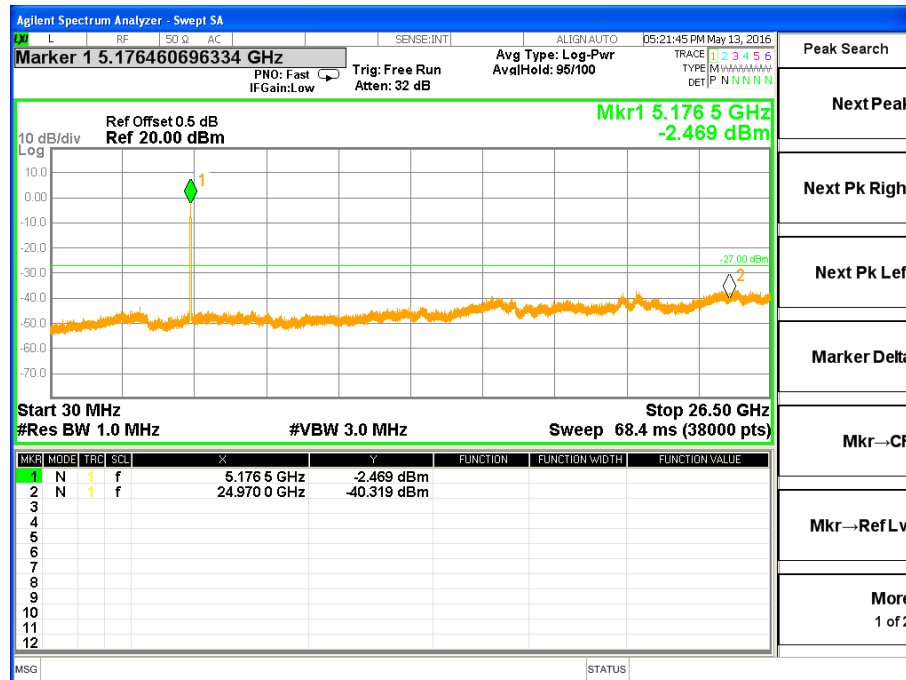
TX Band edge /802.11n(HT20) Mode CH 48



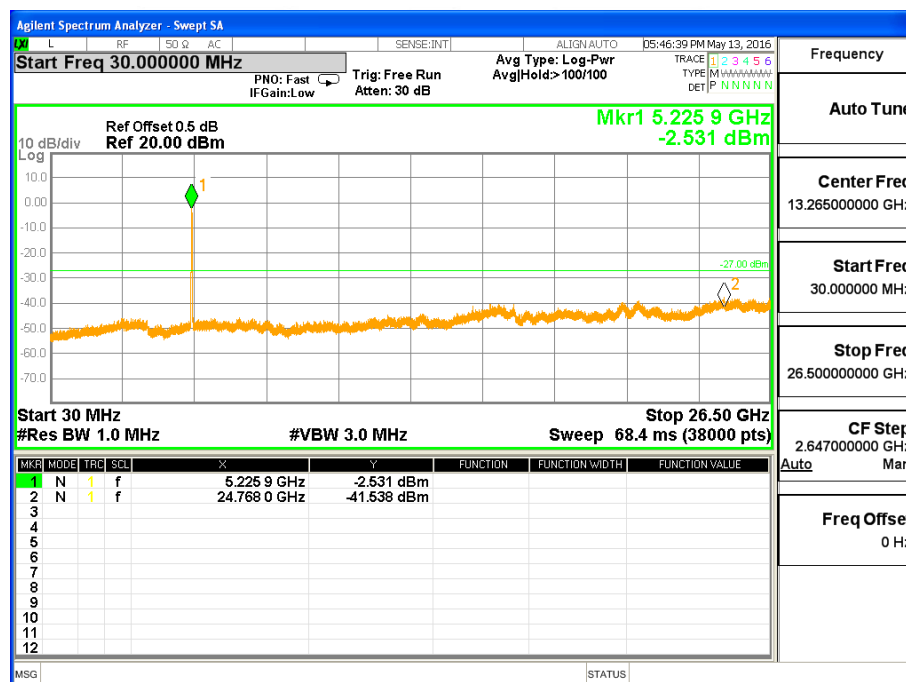


Band I (5.15-5.25GHz)

TX Spurious Emissions /802.11n(HT40) Mode CH 38 (30M-26.5G)



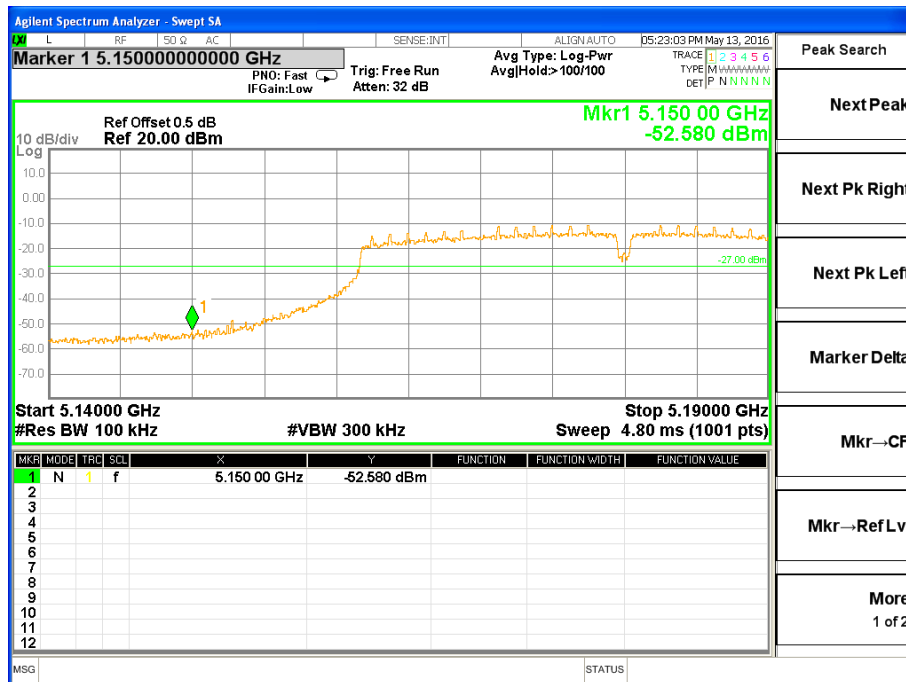
TX Spurious Emissions /802.11n(HT40) Mode CH 46 (30M-26.5G)



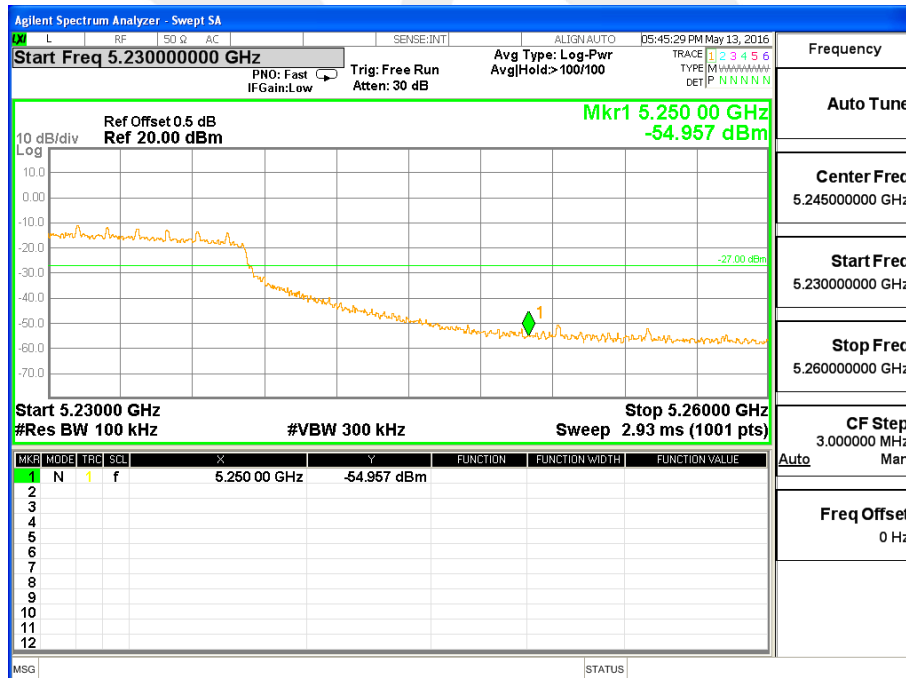


Band edge

TX Band edge /802.11n(HT40) Mode CH 38



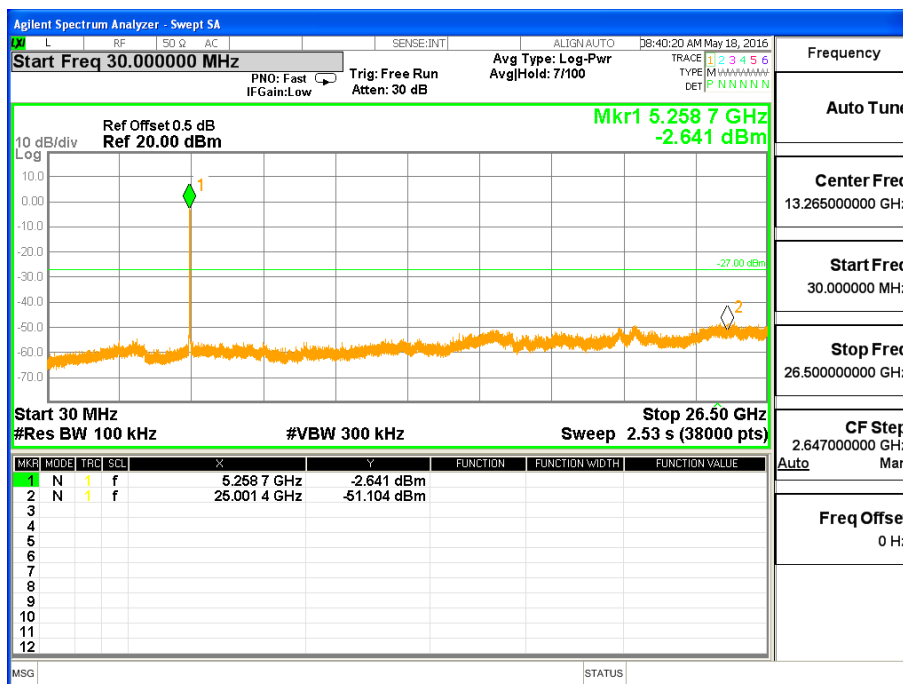
TX Band edge /802.11n(HT40) Mode CH 46



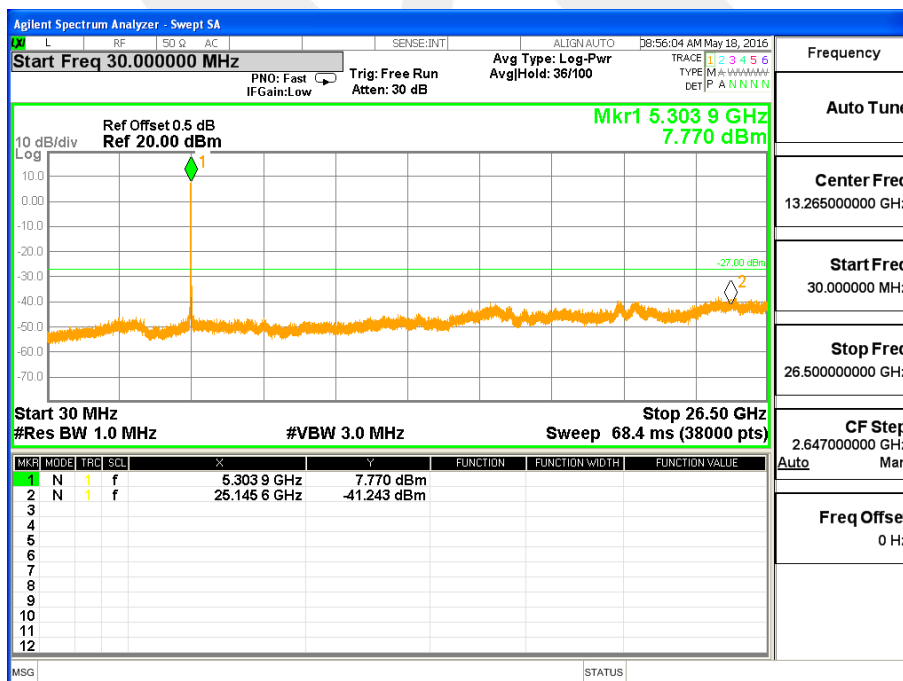


Band II (5.25-5.35GHz)

TX Spurious Emissions /802.11a Mode CH 52 (30M-26.5G)

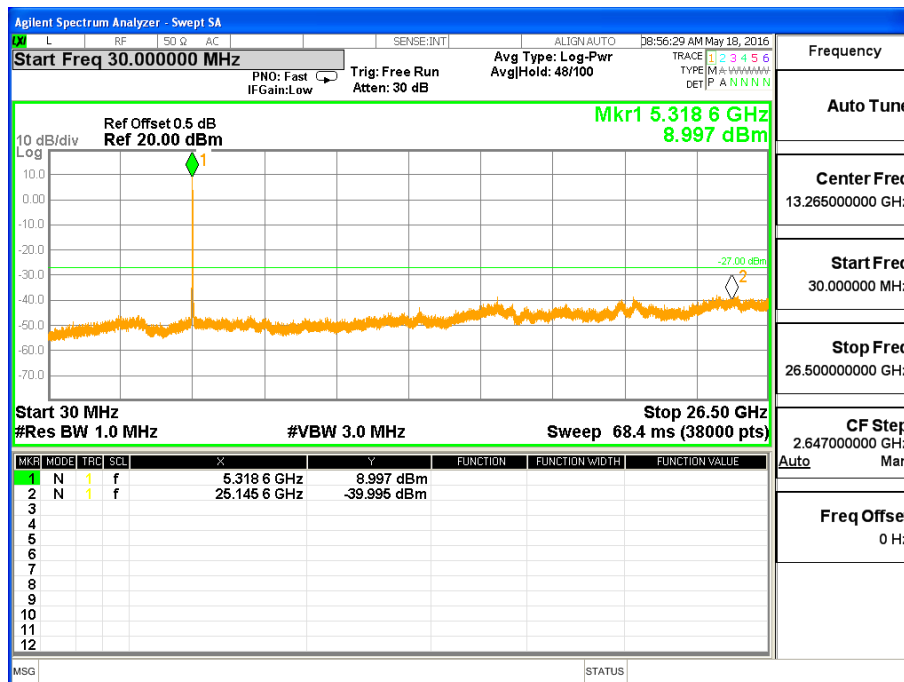


TX Spurious Emissions /802.11a Mode CH 60(30M-26.5G)





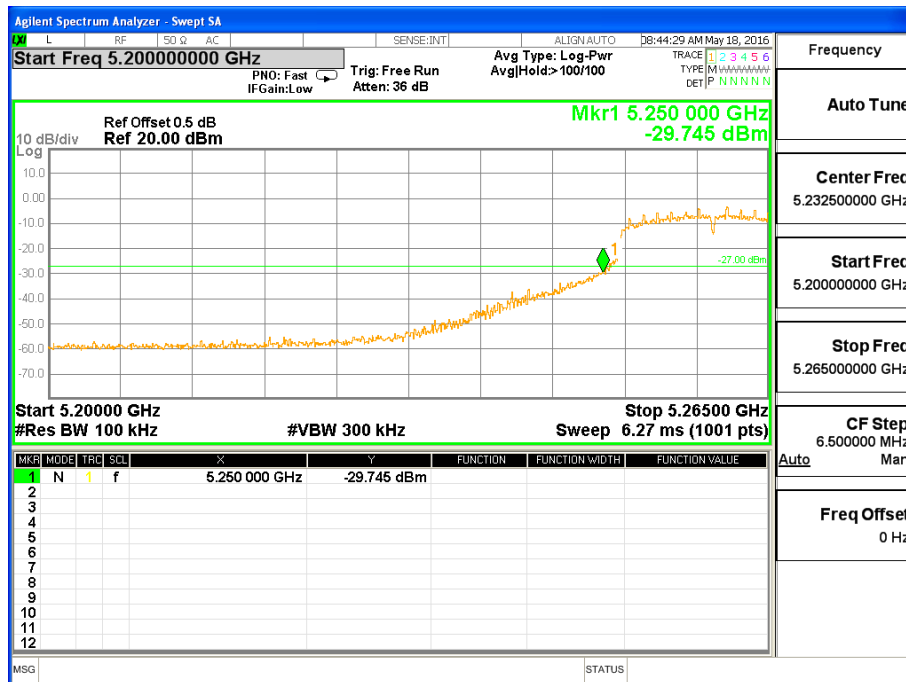
TX Spurious Emissions /802.11a Mode CH 64(30M-26.5G)



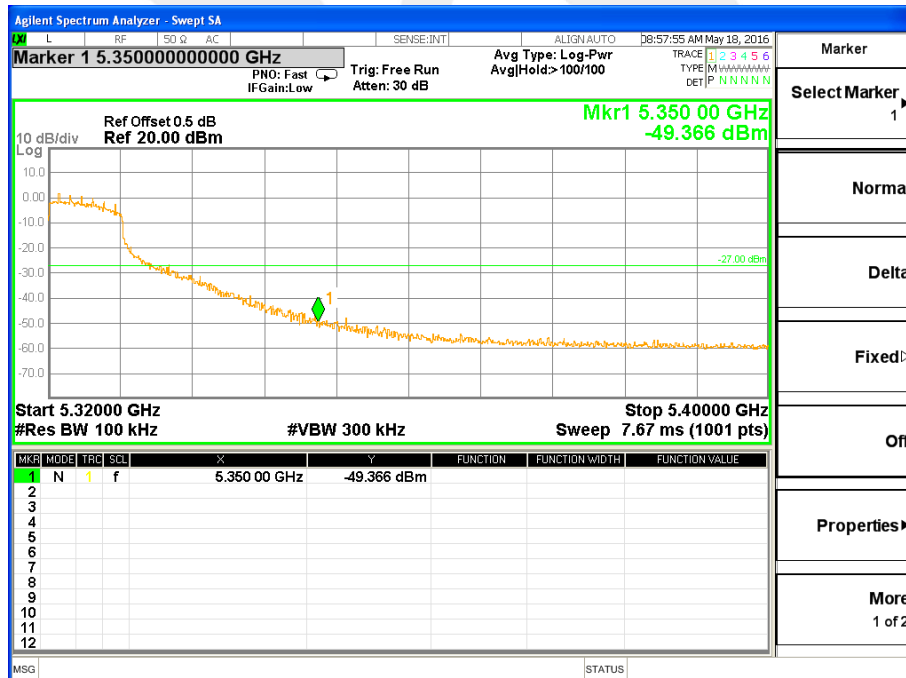


Band edge

TX Band edge /802.11a Mode CH 52



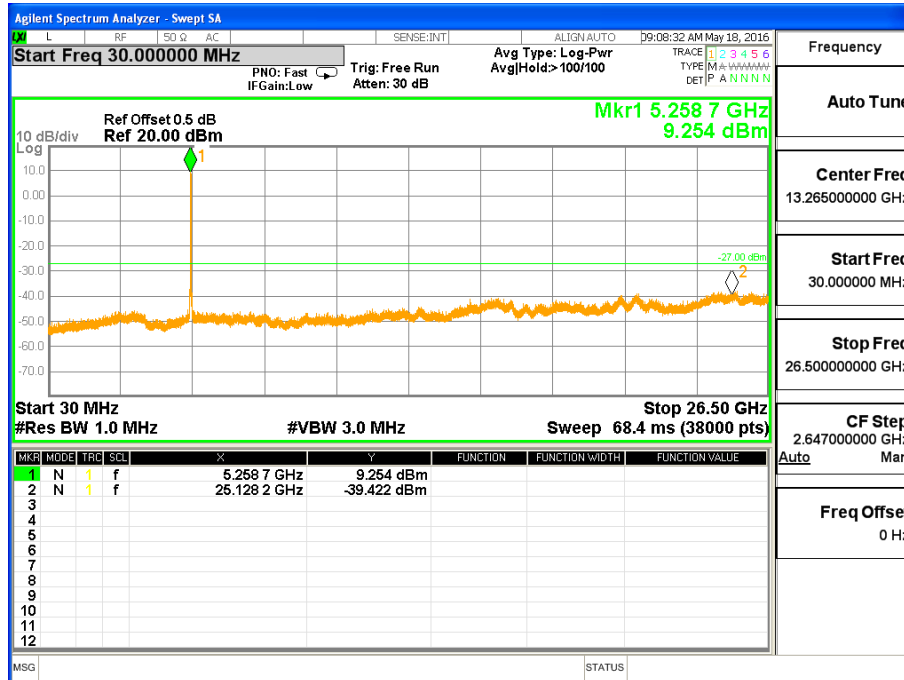
TX Band edge /802.11a Mode CH 64



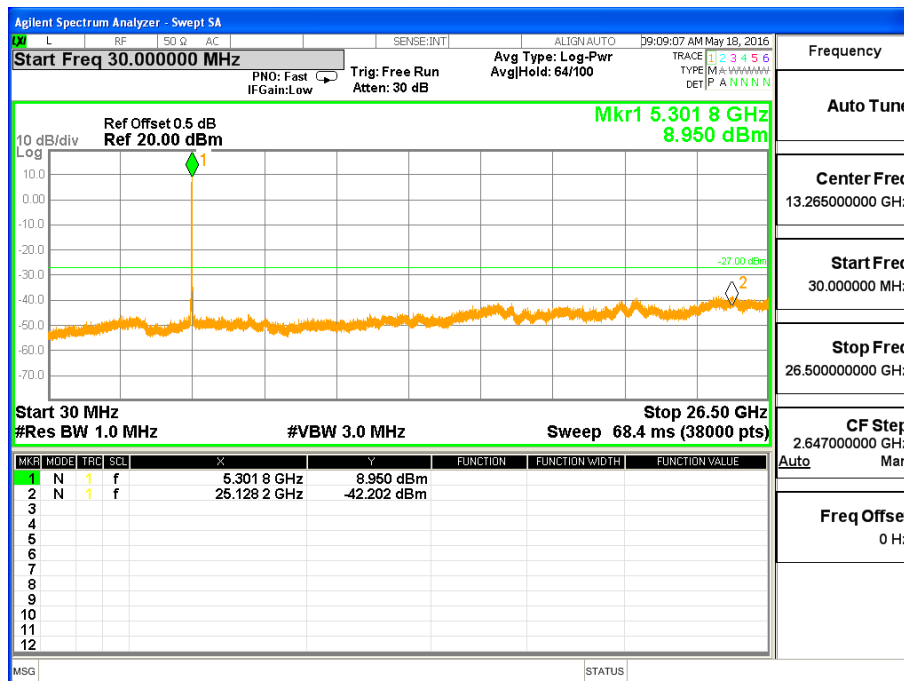


Band II (5.25-5.35GHz)

TX Spurious Emissions /802.11n(HT20) Mode CH 52 (30M-26.5G)

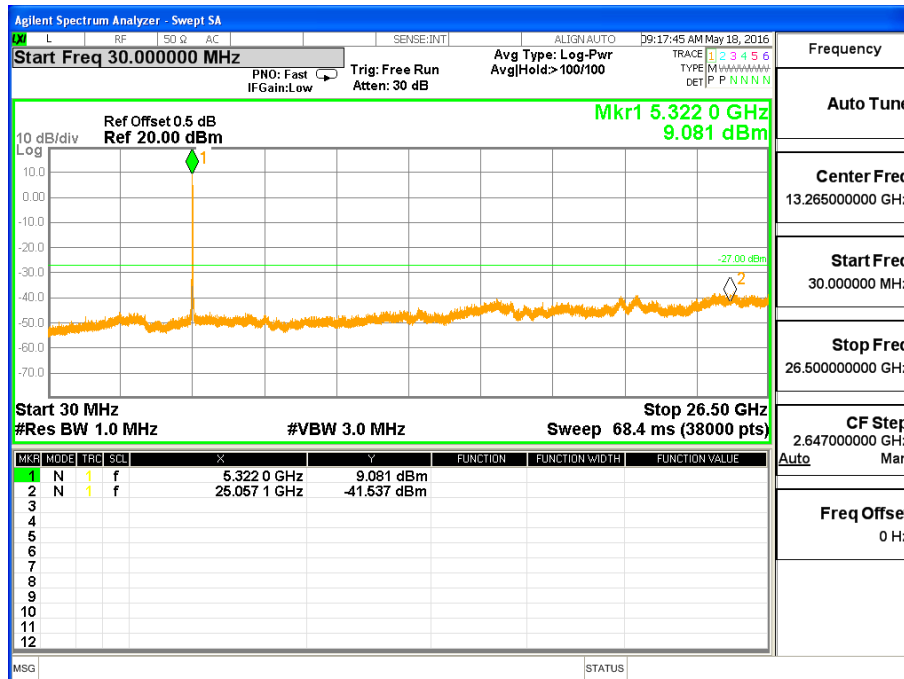


TX Spurious Emissions /802.11n(HT20) Mode CH 60 (30M-26.5G)





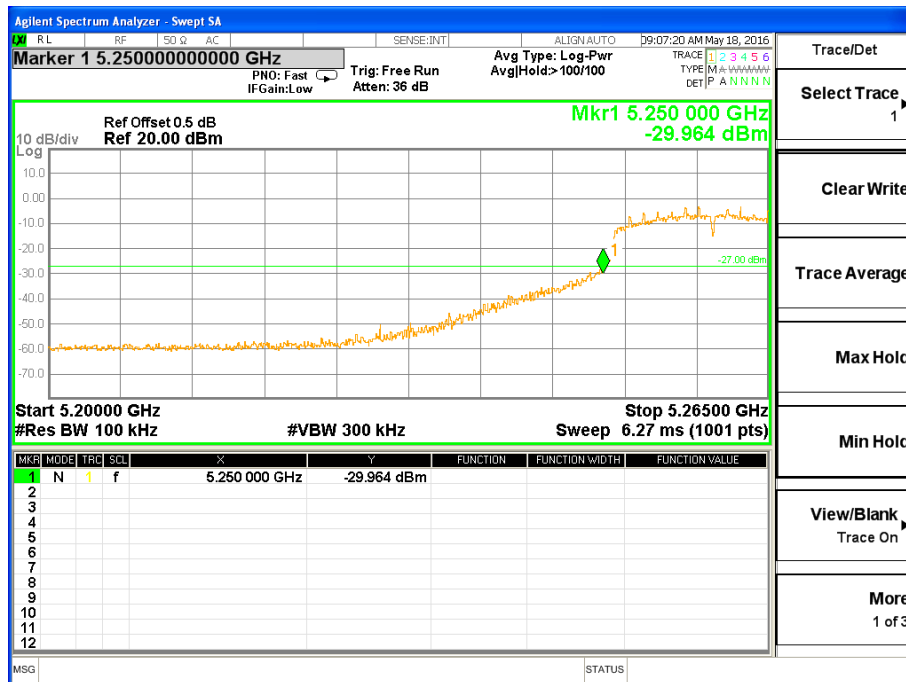
TX Spurious Emissions /802.11n(HT20) Mode CH 64(30M-26.5G)



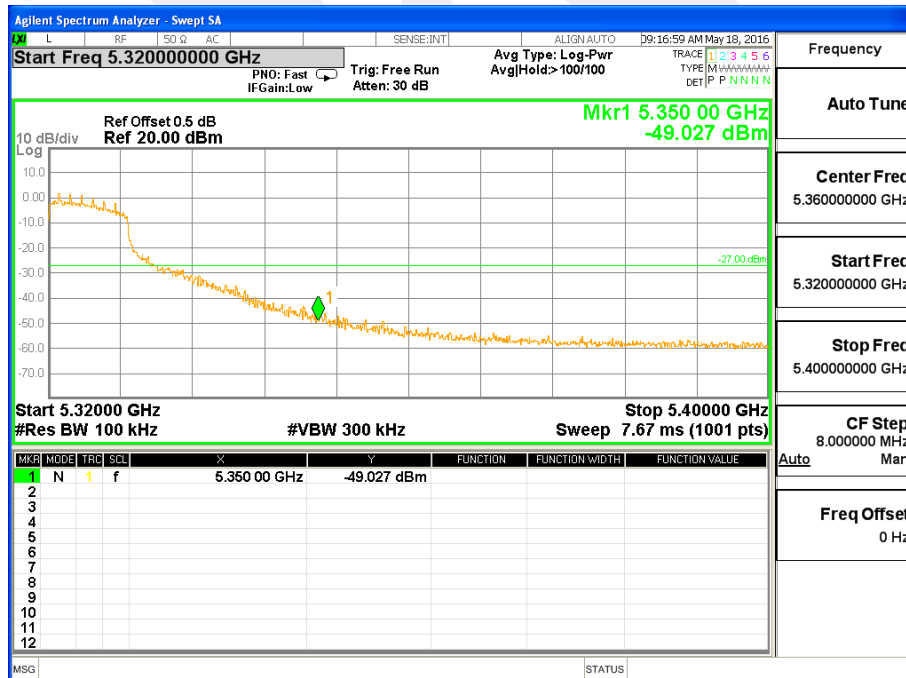


Band edge

TX Band edge /802.11n(HT20) Mode CH 52



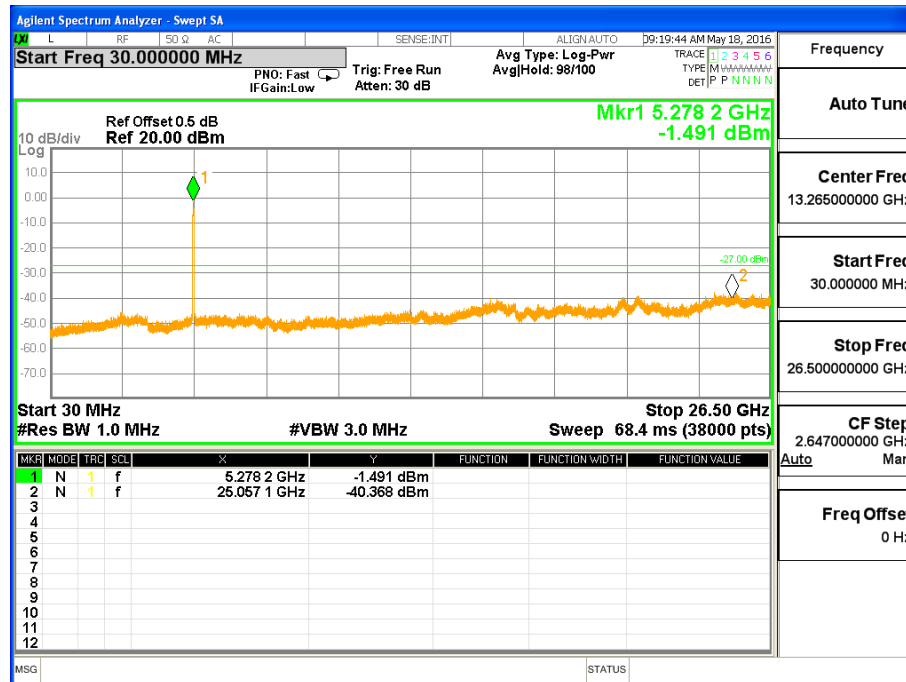
TX Band edge /802.11n(HT20) Mode CH 64



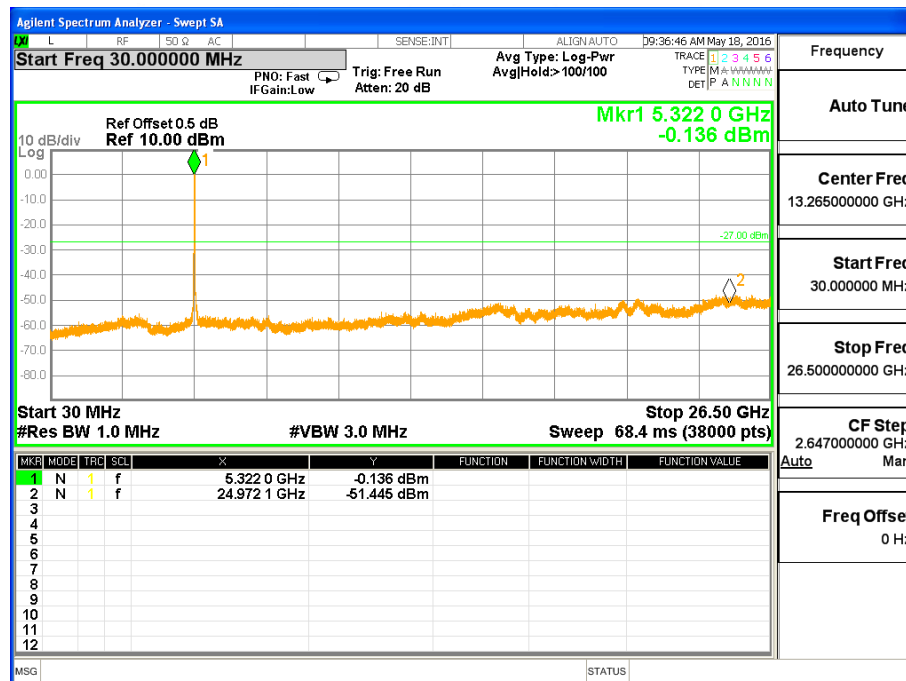


Band II (5.25-5.35GHz)

TX Spurious Emissions /802.11n(HT40) Mode CH 54 (30M-26.5G)



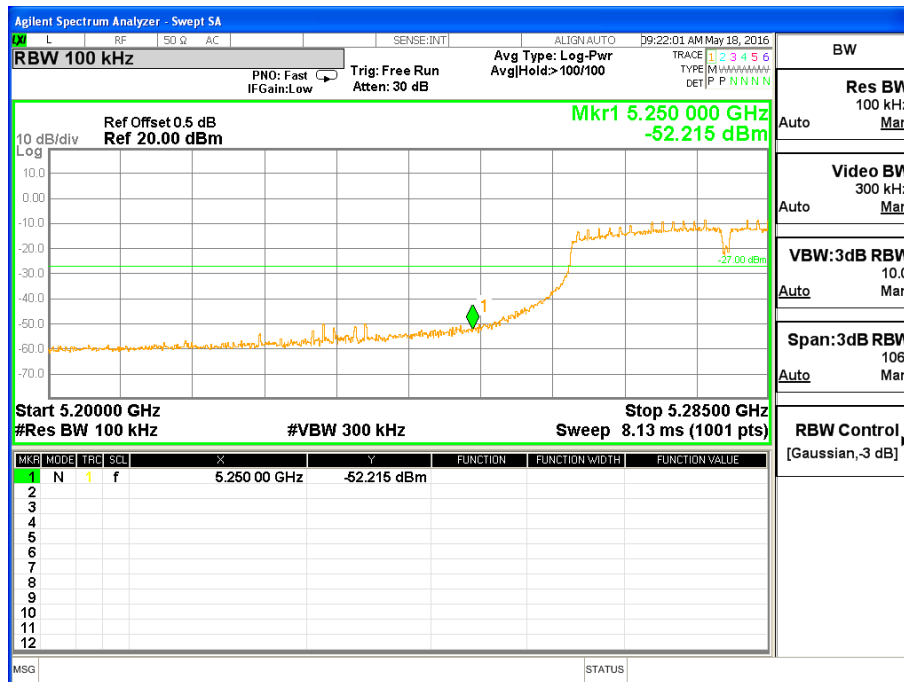
TX Spurious Emissions /802.11n(HT40) Mode CH 62 (30M-26.5G)



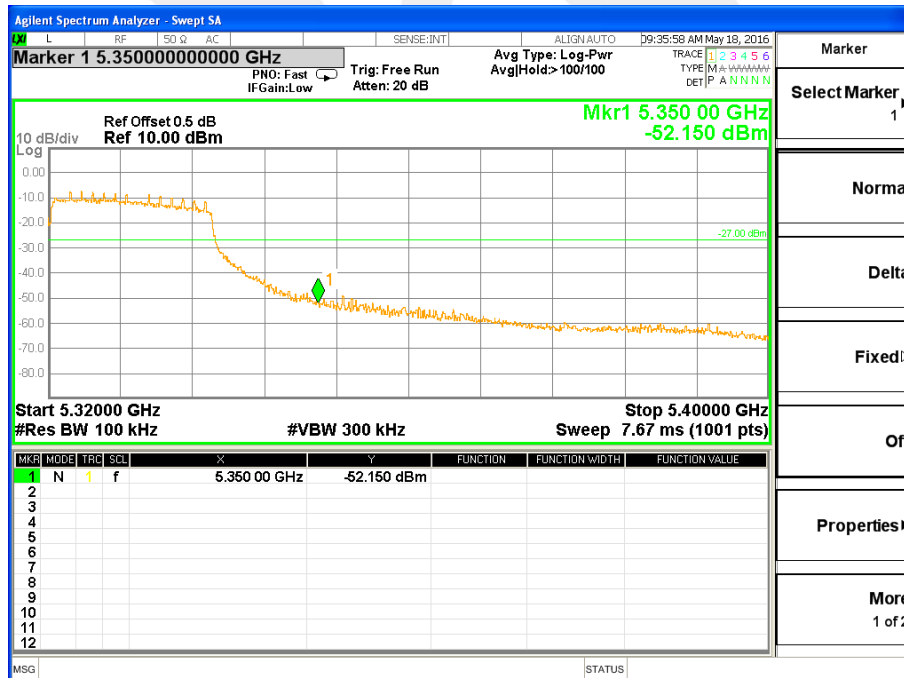


Band edge

TX Band edge /802.11n(HT40) Mode CH 54



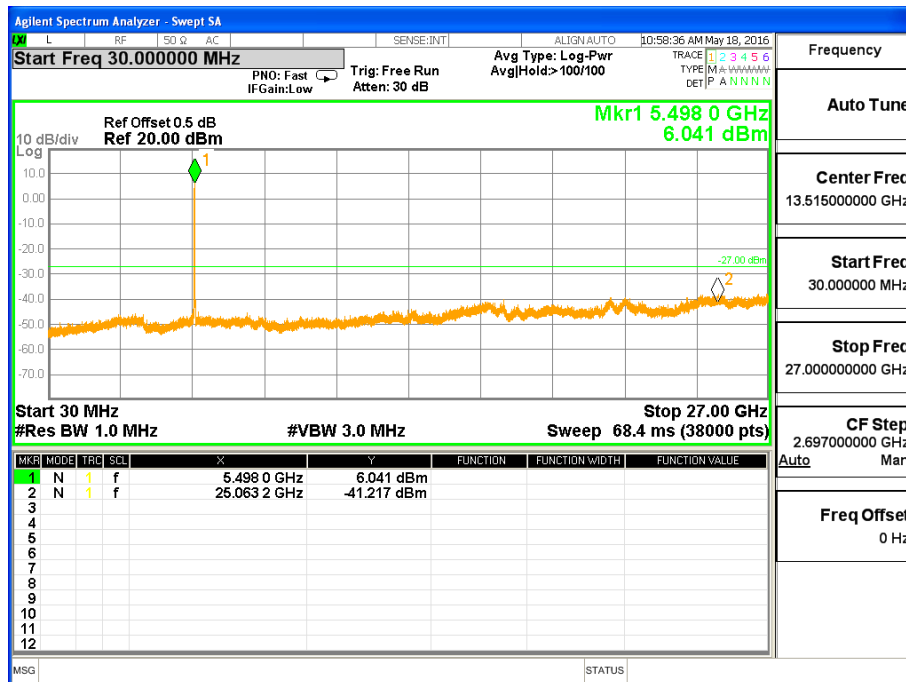
TX Band edge /802.11n(HT40) Mode CH 62



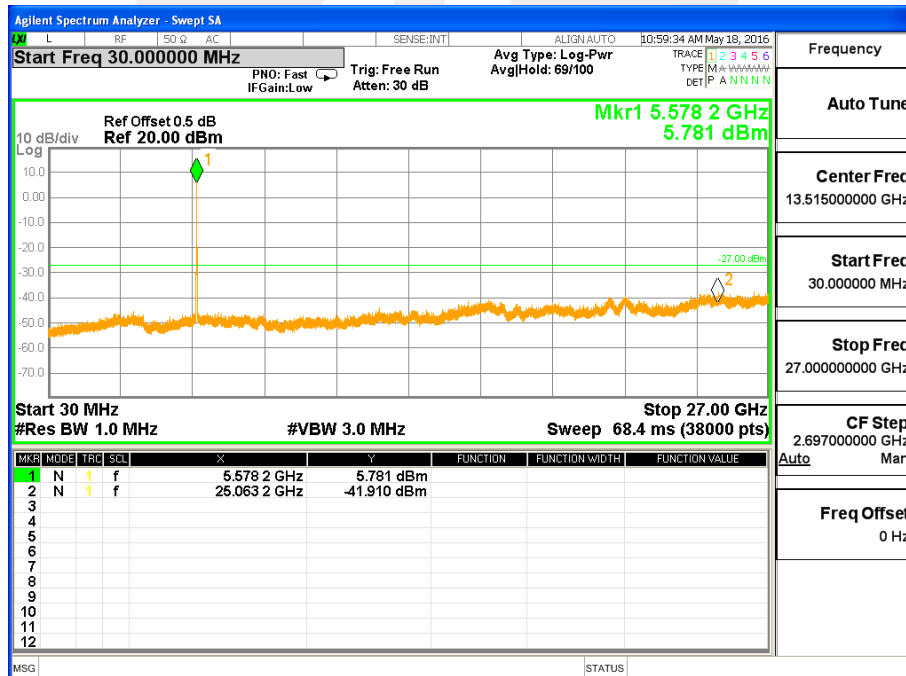


Band III (5.470-5.725GHz)

TX Spurious Emissions /802.11a Mode CH 100 (30M-26.5G)

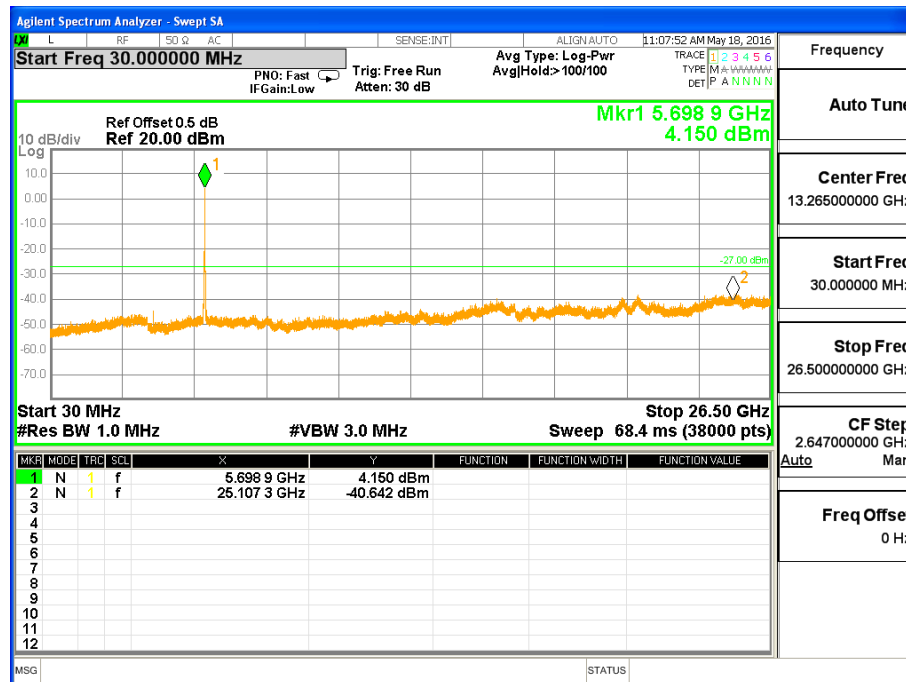


TX Spurious Emissions /802.11a Mode CH 116(30M-26.5G)





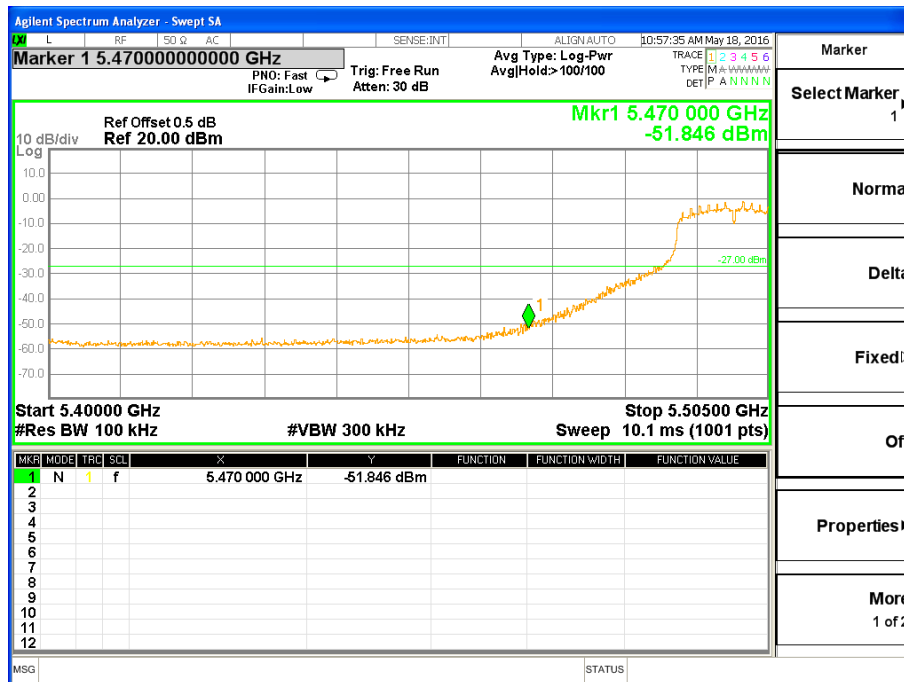
TX Spurious Emissions /802.11a Mode CH 140(30M-26.5G)



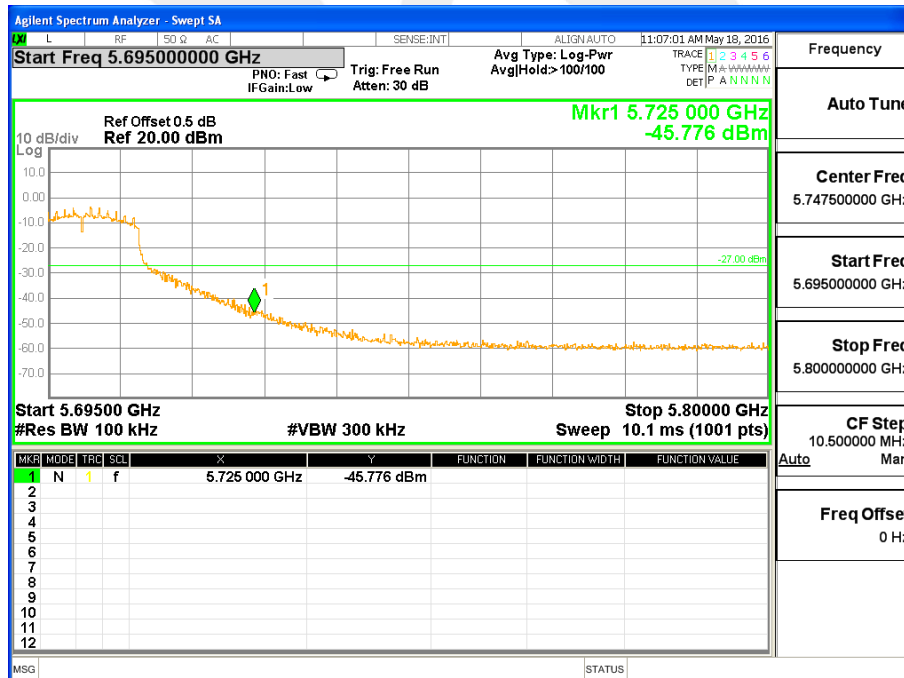


Band edge

TX Band edge /802.11a Mode CH 100

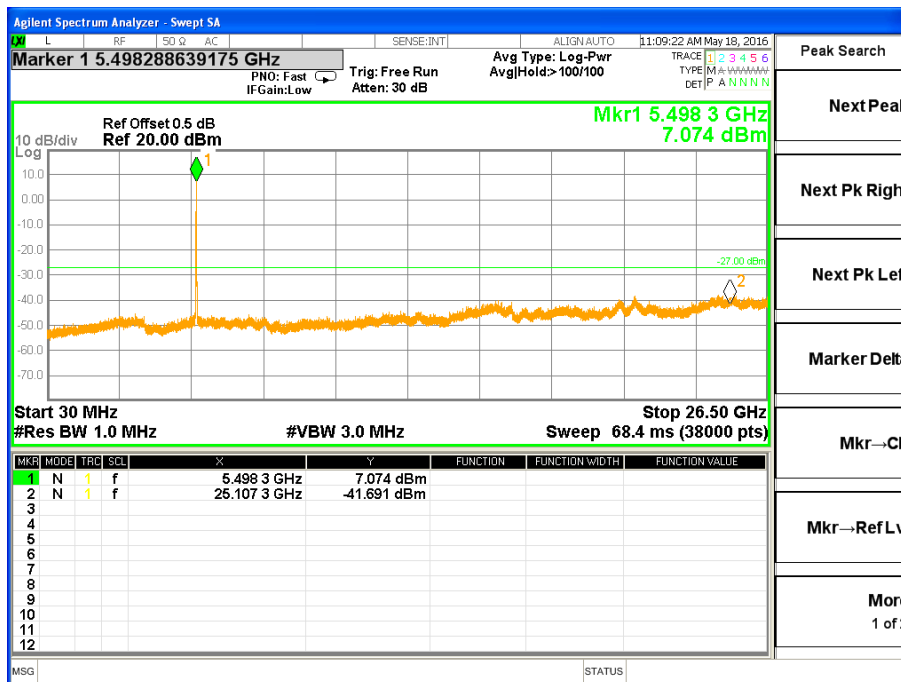


TX Band edge /802.11a Mode CH 140

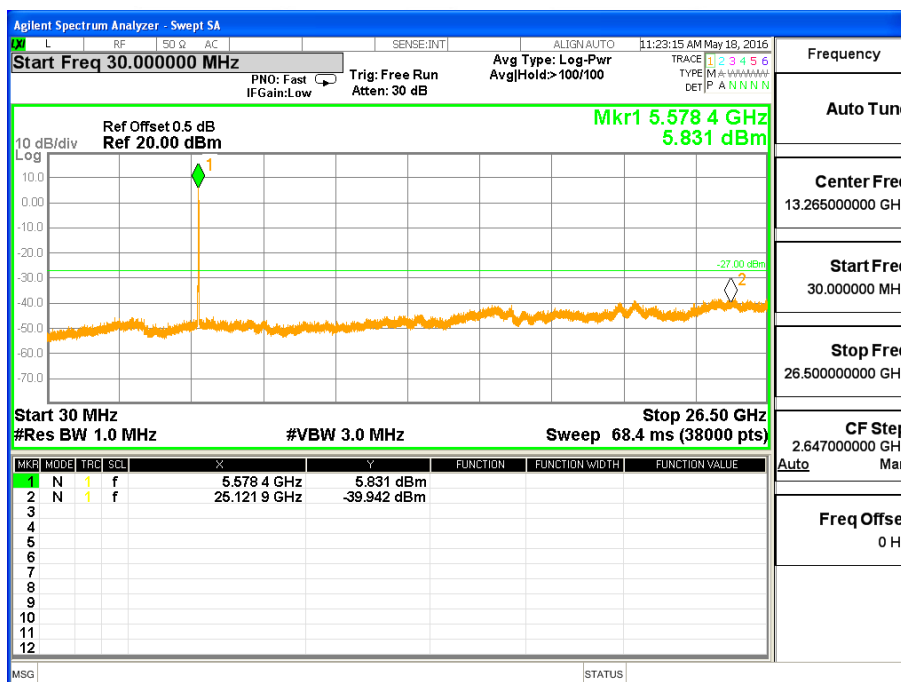


Band III (5.470-5.725GHz)

TX Spurious Emissions /802.11n(HT20) Mode CH 100 (30M-26.5G)

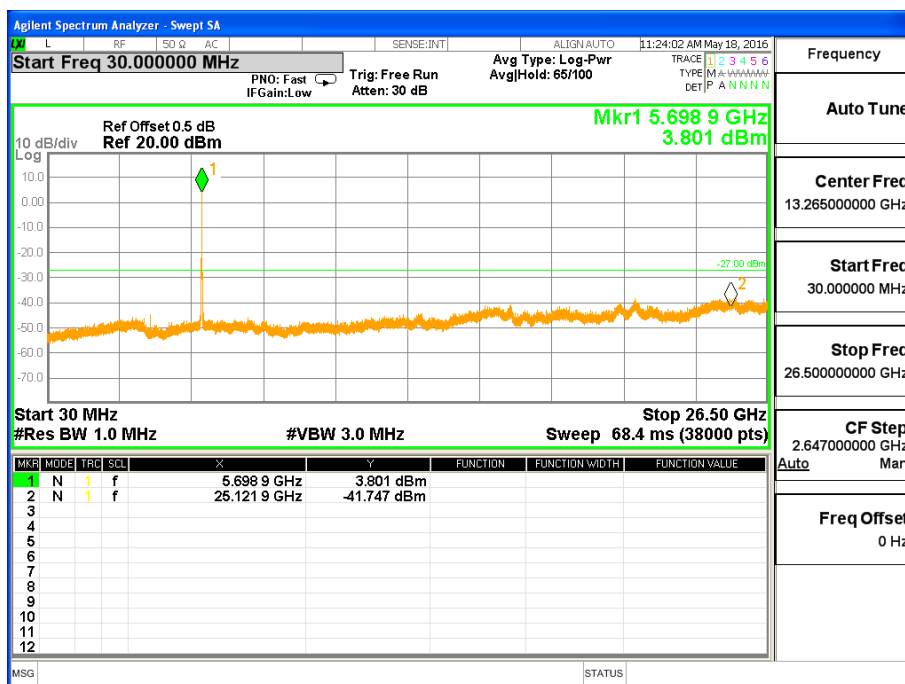


TX Spurious Emissions /802.11n(HT20) Mode CH 116 (30M-26.5G)





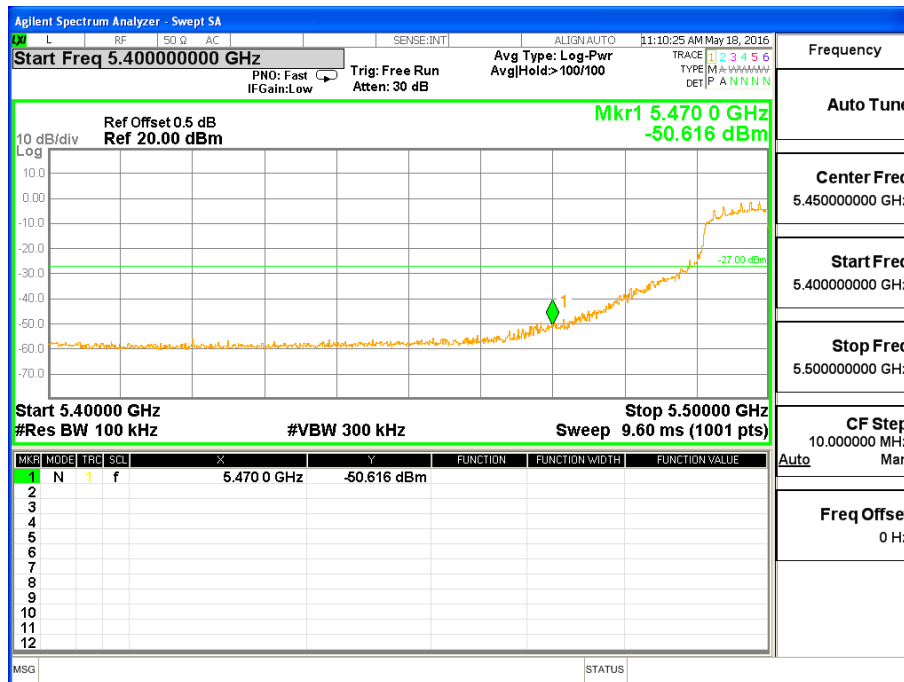
TX Spurious Emissions /802.11n(HT20) Mode CH 140(30M-26.5G)



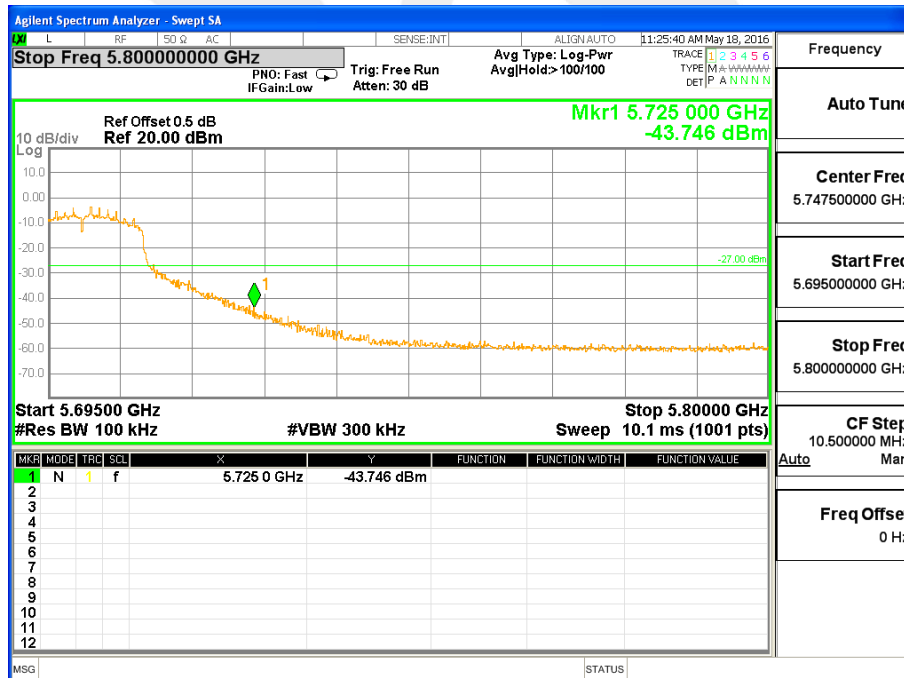


Band edge

TX Band edge /802.11n(HT20) Mode CH 100



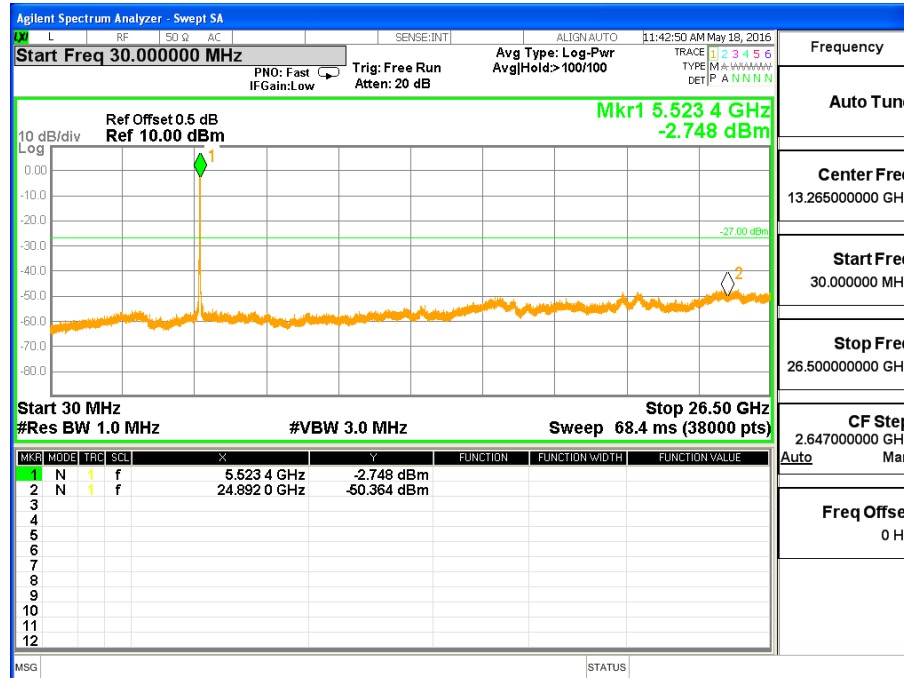
TX Band edge /802.11n(HT20) Mode CH 140



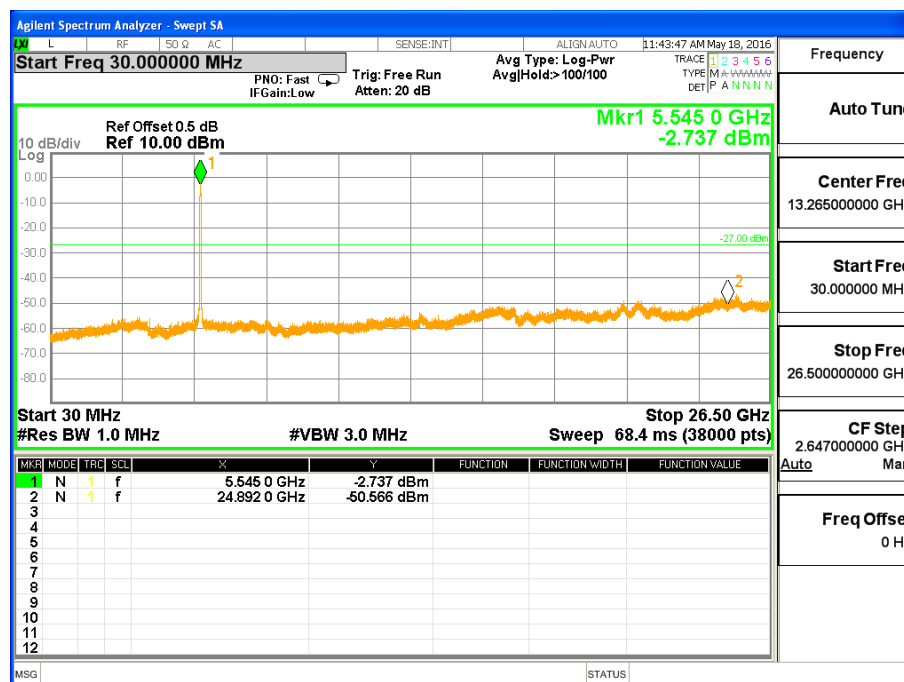


Band III (5.470-5.725GHz)

TX Spurious Emissions /802.11n(HT40) Mode CH 102 (30M-26.5G)

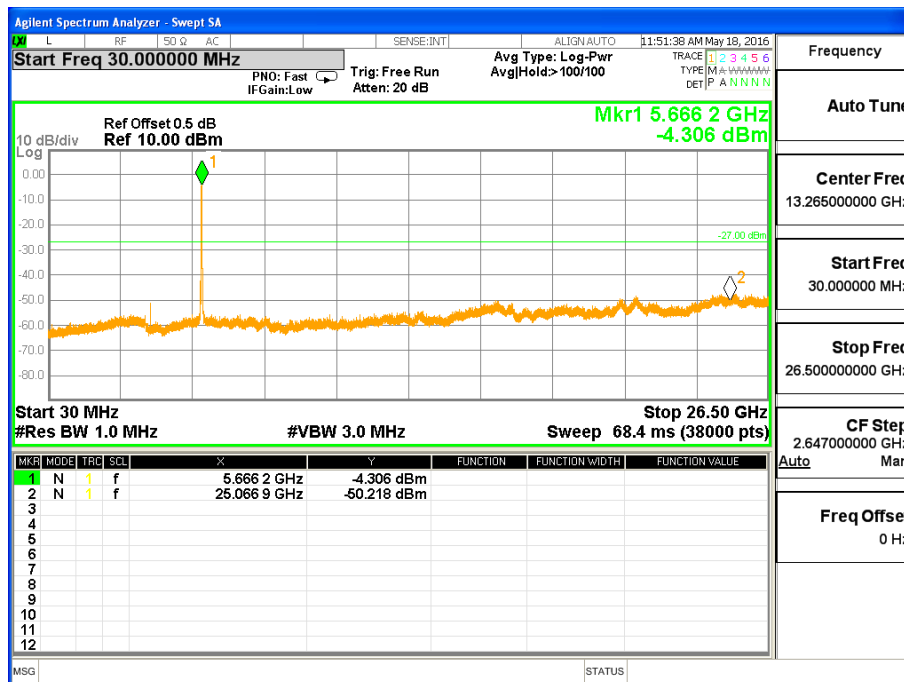


TX Spurious Emissions /802.11n(HT40) Mode CH 110 (30M-26.5G)





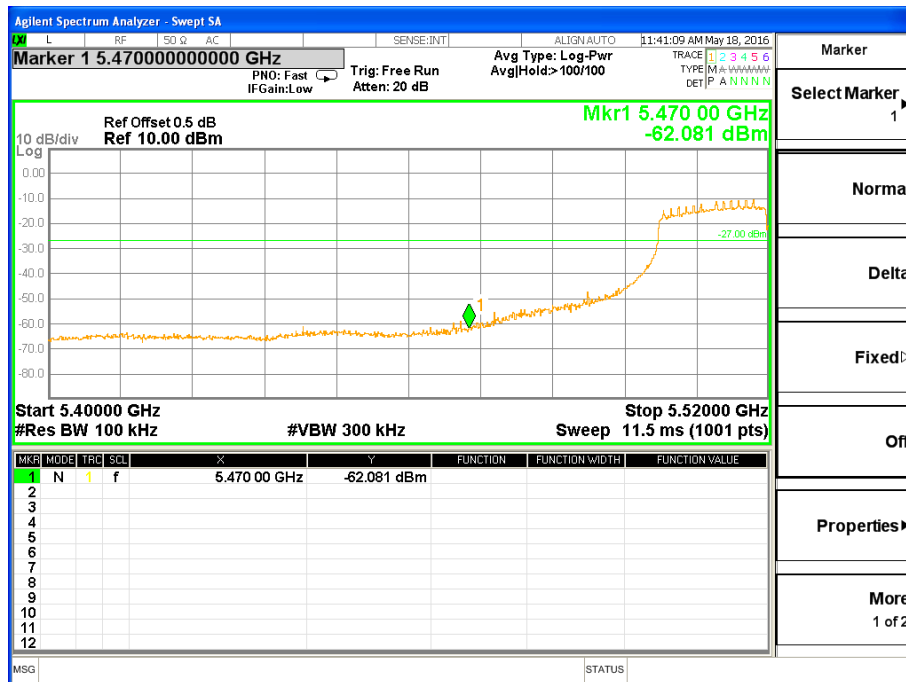
TX Spurious Emissions /802.11n(HT40) Mode CH 134 (30M-26.5G)



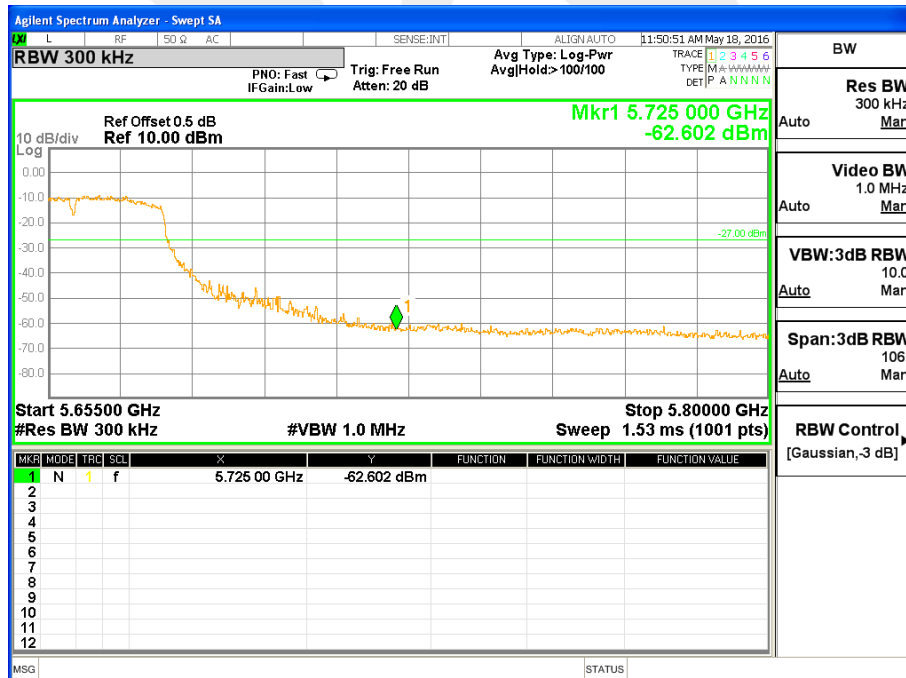


Band edge

TX Band edge /802.11n(HT40) Mode CH 102



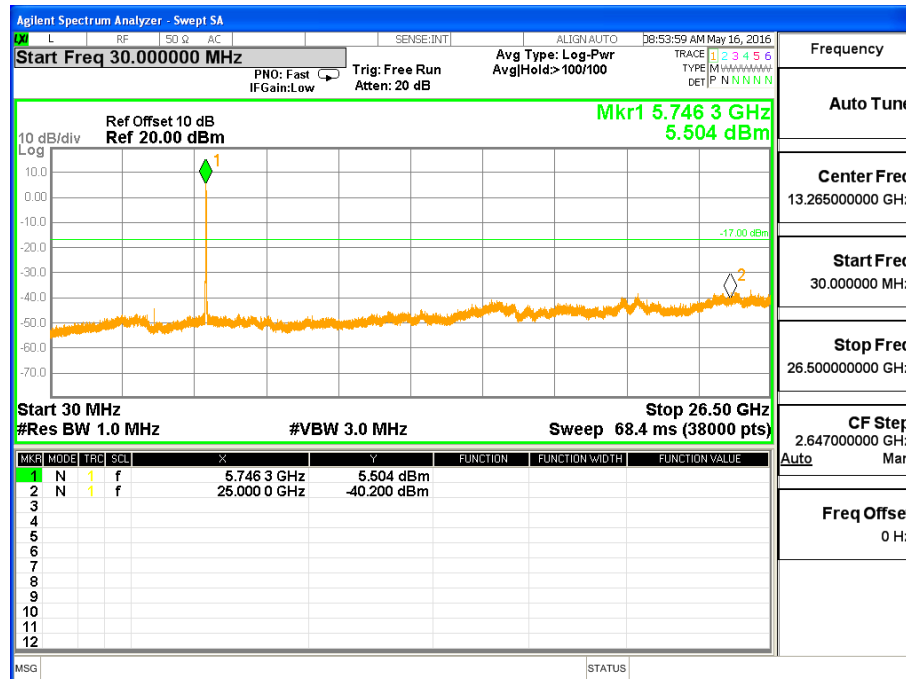
TX Band edge /802.11n(HT40) Mode CH 134



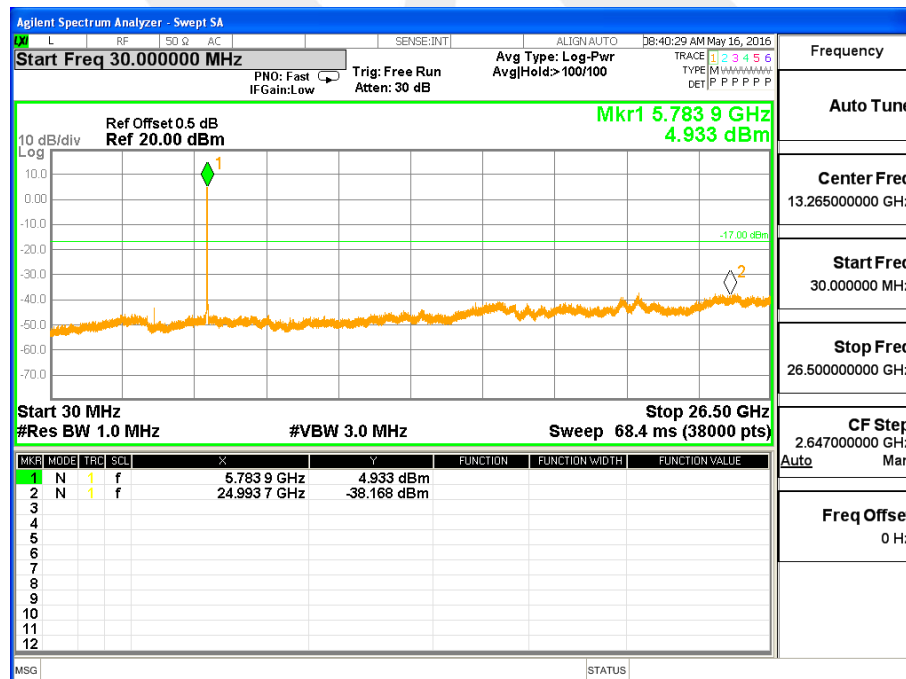


Band IV (5.725-5.85GHz)

TX Spurious Emissions /802.11a Mode CH 149 (30M-26.5G)

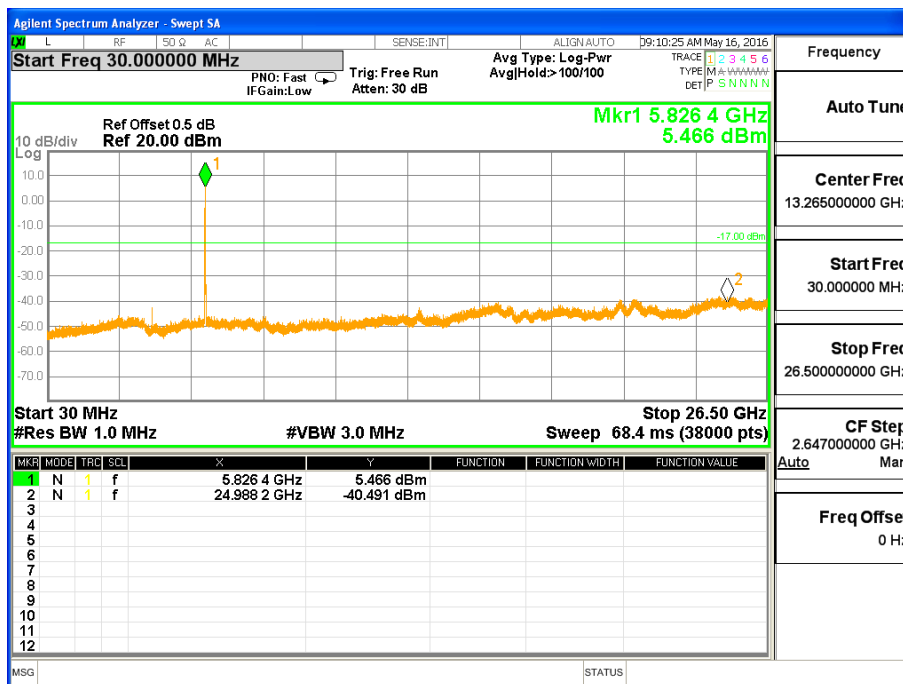


TX Spurious Emissions /802.11a Mode CH 157(30M-26.5G)





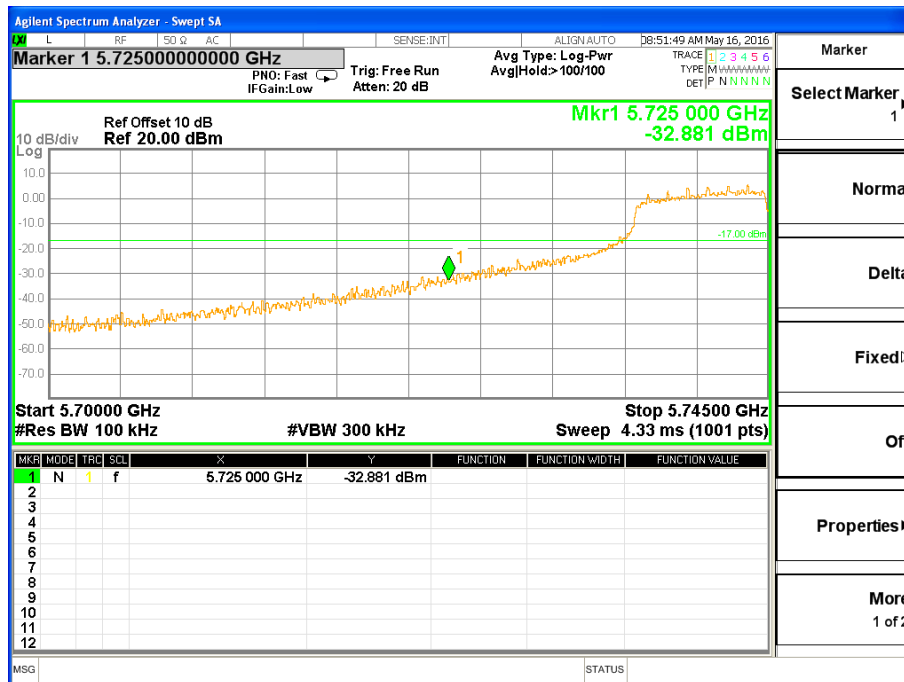
TX Spurious Emissions /802.11a Mode CH 165 (30M-26.5G)



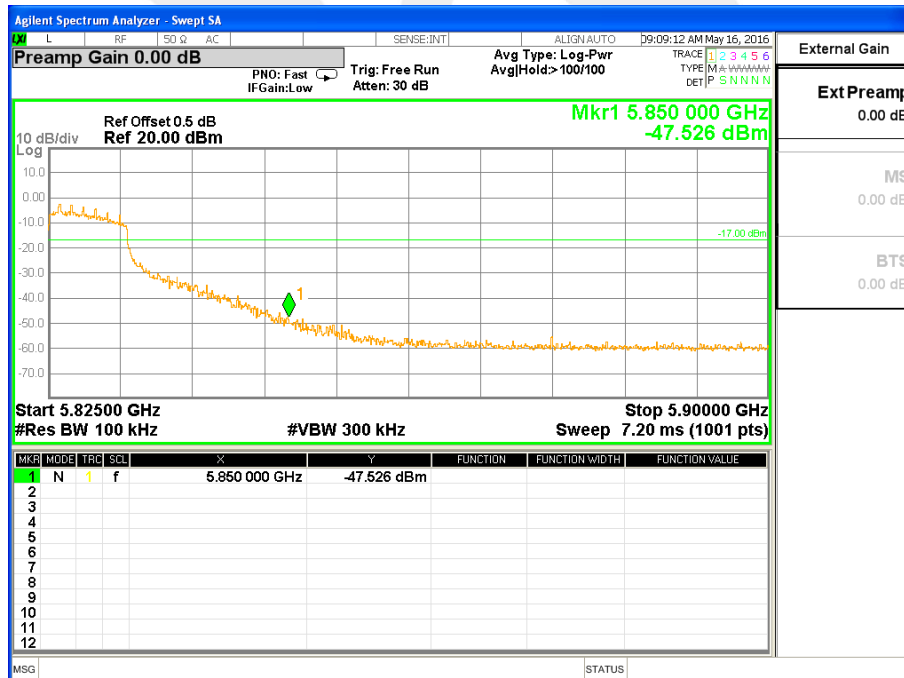


Band edge

TX Band edge /802.11a Mode CH 149



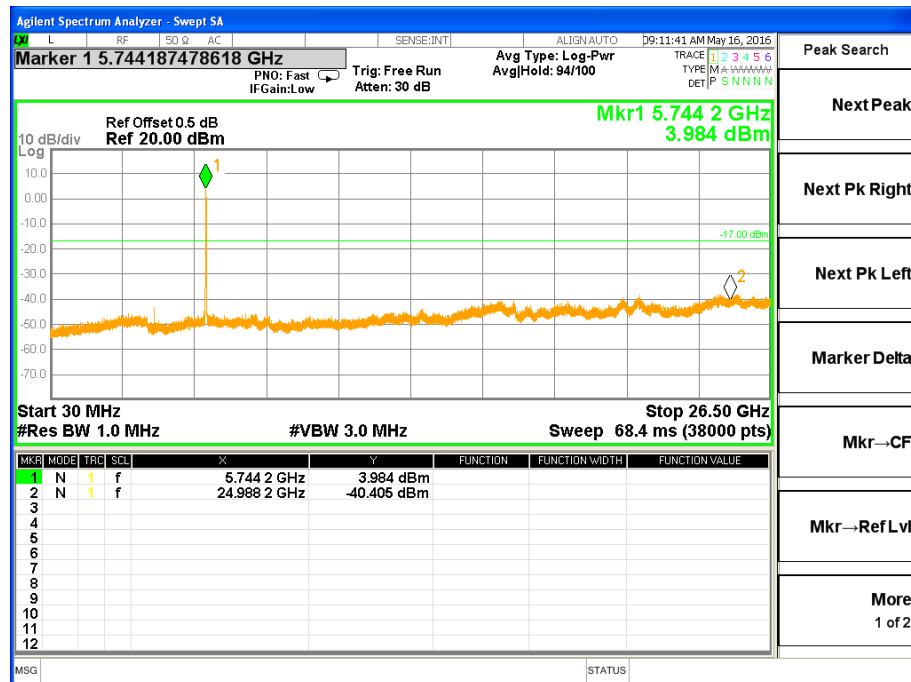
TX Band edge /802.11a Mode CH 165



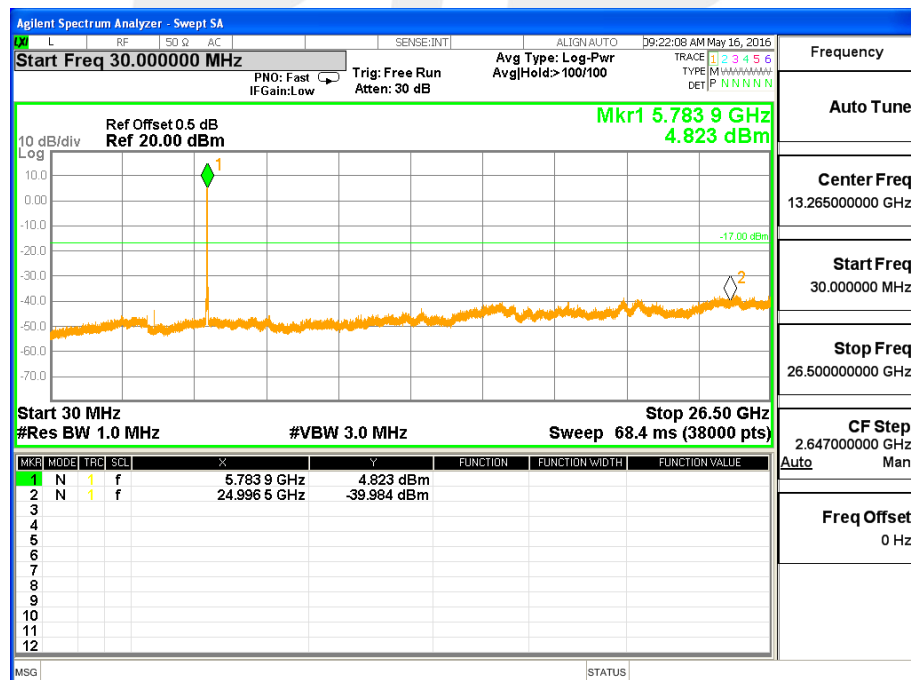


Band IV (5.725-5.85GHz)

TX Spurious Emissions /802.11n(HT20) Mode CH 149 (30M-26.5G)

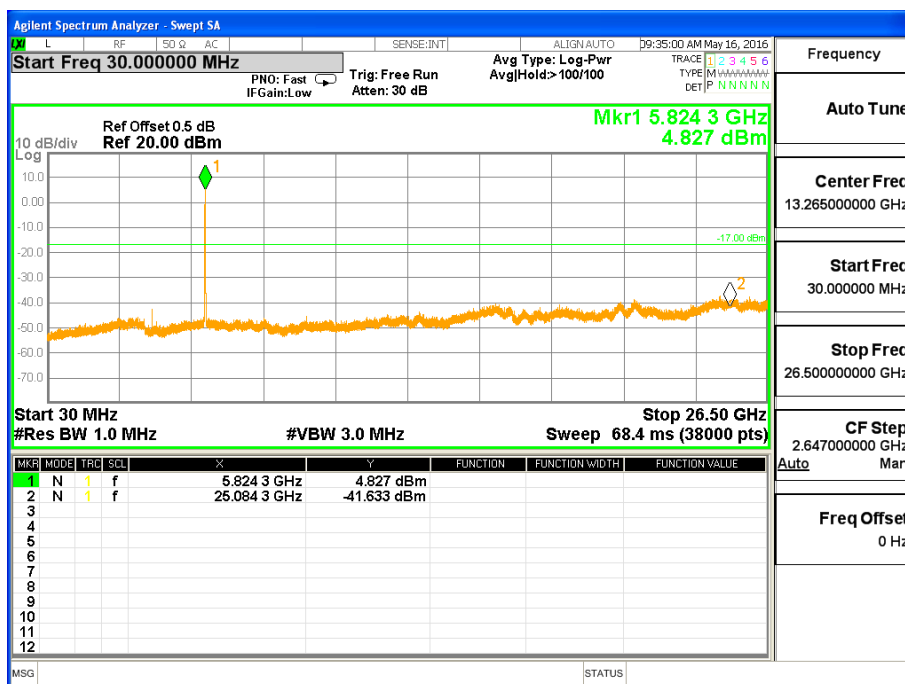


TX Spurious Emissions /802.11n(HT20) Mode CH 157 (30M-26.5G)





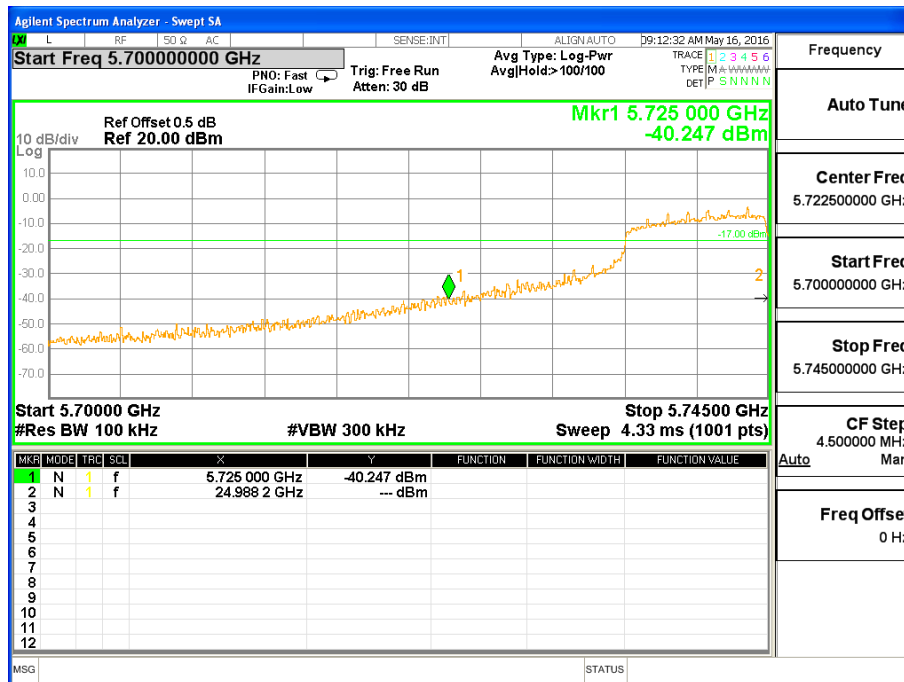
TX Spurious Emissions /802.11n(HT20) Mode CH 165(30M-26.5G)



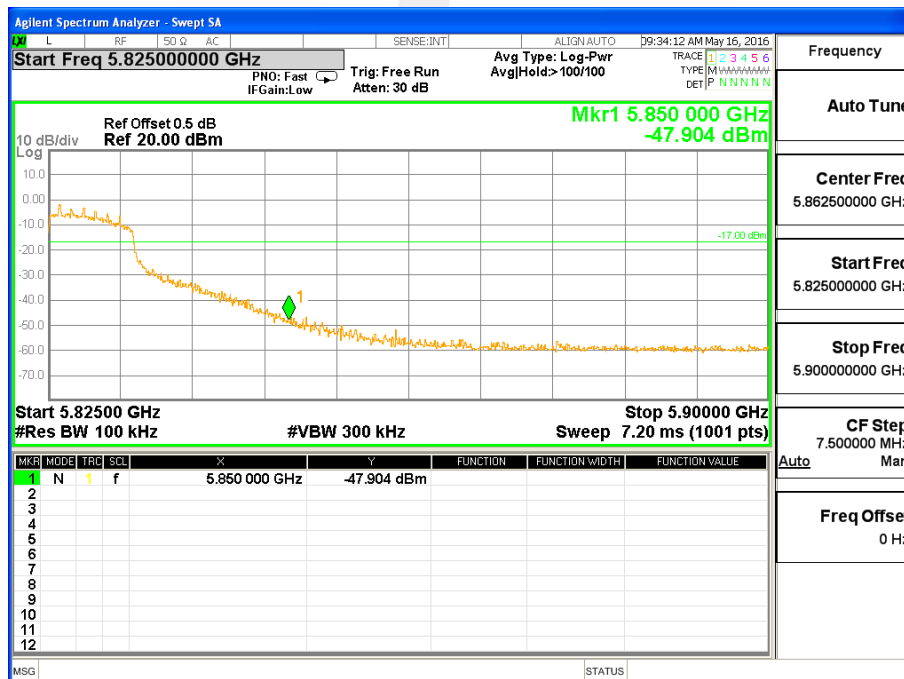


Band edge

TX Band edge /802.11n(HT20) Mode CH 149



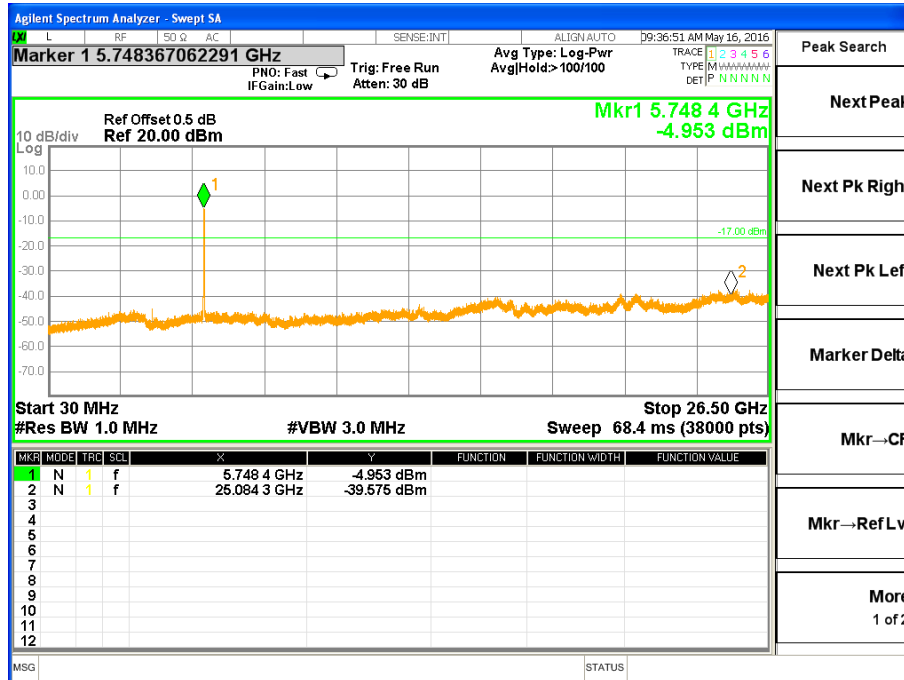
TX Band edge /802.11n(HT20) Mode CH 165





Band IV (5.725-5.85GHz)

TX Spurious Emissions /802.11n(HT40) Mode CH 151 (30M-26.5G)



TX Spurious Emissions /802.11n(HT40) Mode CH 159 (30M-26.5G)

