FCC PART 15
TEST REPORT
No. I17Z60265-SRD05

for

TCL Communication Ltd

SIMBA6 CRICKET

6060C

With

FCC ID: 2ACCJA021

Hardware Version:10

Software Version: 2A5TUCT0

Issued Date: 2017-04-28

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I17Z60265-SRD05	Rev.0	1st edition	2017-04-28

CONTENTS

1. TEST LATORATORY

1.1. Testing Location

Conducted testing Location: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China100191

Radiated testing Location: CTTL(BDA)

Address: No. 18 Jia Kangding Street, BDA District, Beijing, P. R. China 100191

1.2. Testing Environment

Normal Temperature: 15-35℃

Extreme Temperature: -10/+55℃

Relative Humidity: 20-75%

1.3. Project data

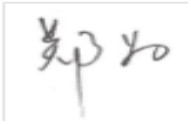
Testing Start Date: 2017-03-20

Testing End Date: 2017-04-28

1.4. Signature

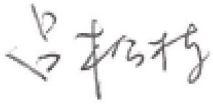
Jiang Xue

(Prepared this test report)



Zheng Wei

(Reviewed this test report)



Lv Songdong

(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	TCL Communication Ltd
Address:	5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203
City:	Shanghai
Postal Code:	201203
Country:	China
Contact	Gong Zhizhou
Telephone:	+358-408036126
Fax:	0086-21-6146060

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd
Address:	5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203
City:	Shanghai
Postal Code:	201203
Country:	China
Contact	Gong Zhizhou
Telephone:	+358-408036126
Fax:	0086-21-6146060

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT(AE)

3.1. About EUT

Description	SIMBA6 CRICKET
Model name	6060C
FCC ID	2ACCJA021
IC ID	/
WLAN Frequency Range	ISM Bands: -5150MHz~5350MHz -5470MHz~5725MHz -5725MHz~5850MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Voltage	3.85 V DC by Battery

Note: Photographs of EUT are shown in ANNEX C of this test report. Components list, please refer to documents of the manufacturer.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
EUT1	014889000003558	10	2A5TUCT0
EUT2	014889000002618	10	2A5TUCT0

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	Battery	INBUILT
AE2	Battery	INBUILT
AE3	Travel charger	/
AE4	Travel charger	/
AE5	USB cable	/
AE6	Headset	/

AE1

Model	HE316
Manufacturer	SCUD(FUJIAN) ELECTRONICS CO LTD
Capacitance	3000mAh
Nominal voltage	3.82V

AE2

Model	HE317

Manufacturer	SCUD(FUJIAN) ELECTRONICS CO LTD
Capacitance	3000mAh
Nominal voltage	3.84V

AE3/AE4

Model	FC0102
Manufacturer	Salcomp
Length of cable	/

AE5

Model	CUBB01M-FA010-DH
Manufacturer	FOXCONN
Length of cable	99cm

AE6

Model	5CAB5422B-N01-DG
Manufacturer	FOXCONN
Length of cable	/

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment under Test (EUT) is a model of SIMBA6 CRICKET with integrated antenna and inbuilt battery.

It has Bluetooth (EDR) function.

It consists of normal options: travel charger, USB cable and Phone.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

3.5. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor k=2.

Measurement Uncertainty

Parameter	Uncertainty
temperature	0.48°C
humidity	2 %
DC voltages	0.003V

4. REFERENCE DOCUMENTS

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

FCC Part15	Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices	2015
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014
UNII: KDB 789033	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E	2014-06

5. LABORATORY ENVIRONMENT

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. SUMMARY OF TEST RESULTS

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15E	Sub-clause of IC	Verdict
Maximum Output Power	15.407	/	**P**
Power Spectral Density	15.407	/	**P**
Occupied 26dB Bandwidth	15.403	/	**P**
Band edge compliance	15.407	/	**P**
Transmitter spurious emissions radiated	15.407	/	**P**
Spurious emissions radiated < 30 MHz	15.407	/	**P**
Spurious emissions conducted < 30 MHz	15.407	/	**P**
Frequency Stability	15.407	/	**P**
Transmit Power Control	15.407	/	**NA**

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NM	Not measured, The test was not measured by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases requested by the client/manufacturer as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.1.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and

also under norm humidity, the specific condition is shown as follows:

Temperature	26℃
Voltage	3.85V
Humidity	44%

7. TEST EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	2016-06-07	2017-06-06
2	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESU26	100376	Rohde & Schwarz	1 year	2017-11-30
2	BiLog Antenna	VULB9163	514	Schwarzbeck	3 years	2017-11-24
3	Dual-Ridge Waveguide Horn Antenna	3116	2661	ETS-Lindgren	3 years	2017-06-17
4	Dual-Ridge Waveguide Horn Antenna	3115	6914	ETS-Lindgren	3 years	2017-09-21
5	Vector Signal Analyzer	FSV	101047	Rohde & Schwarz	1 year	2017-06-28
6	Test Receiver	ESCI7	100948	Rohde & Schwarz	1 year	2017-07-05
7	AMN	ESH3-Z5	825562/028	Rohde & Schwarz	1 year	2017-07-06

8. Measurement Uncertainty

8.1. Transmitter Output Power

Measurement Uncertainty: 0.339dB,k=1.96

8.2. Peak Power Spectral Density

Measurement Uncertainty: 0.705dBm/MHz,k=1.96

8.3. Occupied Channel Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4. Band Edges Compliance

Measurement Uncertainty : 0.62dBm,k=1.96

8.5. Spurious Emissions

Conducted (k=1.96)

Frequency Range	Uncertainty(dBm)
30MHz ≤ f ≤ 2GHz	1.22
2GHz ≤ f ≤3.6GHz	1.22
3.6GHz ≤ f ≤8GHz	1.22
8GHz ≤ f ≤12.75GHz	1.51
12.75GHz ≤ f ≤26GHz	1.51
26GHz ≤ f ≤40GHz	1.59

Radiated (k=2)

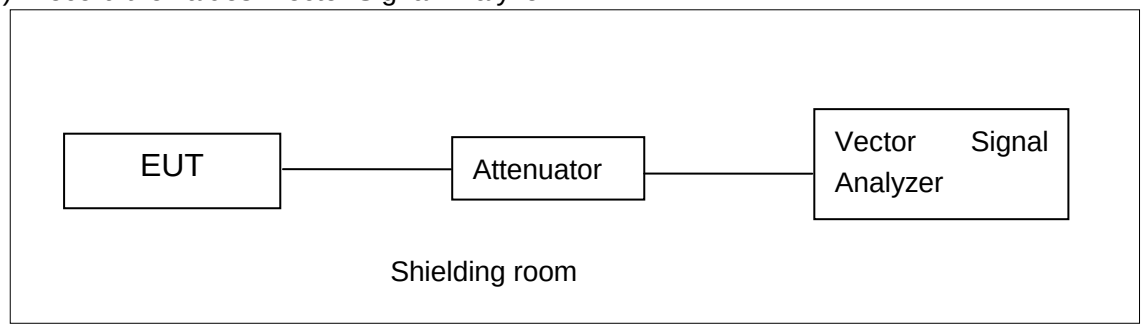
Frequency Range	Uncertainty(dBm)
9kHz-30MHz	/
30MHz ≤ f ≤ 1GHz	4.86
1GHz ≤ f ≤18GHz	5.26
18GHz ≤ f ≤40GHz	5.28

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

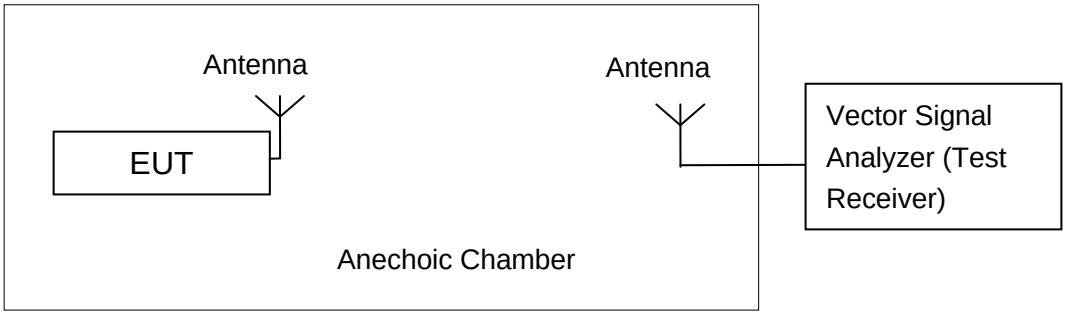
A.1.1. Conducted Measurements

1). Connect the EUT to the test system correctly.
2). Set the EUT to the required work mode.
3). Set the EUT to the required channel.
4). Set the spectrum analyzer to start measurement.
5). Record the values. Vector Signal Analyzer



A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,
Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;
Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 10Hz;



The measurement is made according to KDB 789033
The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.

A.2. Maximum output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	Limit (dBm)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	24dBm
	5250MHz~5350MHz	24dBm or 11+10logB
	5470MHz~5725MHz	24dBm or 11+10logB

Limit use the less value, and B is the 26dB bandwidth.

The measurement method SA-1 is made according to KDB 789033

Measurement Results:

802.11a mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz (Ch36)	16.57	16.53	16.46	16.43	16.33	16.19	14.96	14.46
	5200MHz (Ch40)	16.62	/	/	/	/	/	/	/
	5240MHz(Ch48)	16.52	/	/	/	/	/	/	/
	5260MHz(Ch52)	16.84	/	/	/	/	/	/	/
	5280MHz(Ch56)	16.75	/	/	/	/	/	/	/
	5320MHz(Ch64)	16.68	/	/	/	/	/	/	/
	5500MHz(Ch100)	18.79	/	/	/	/	/	/	/
	5580MHz(Ch116)	17.87	/	/	/	/	/	/	/
	5700MHz(Ch140)	18.85	/	/	/	/	/	/	/

The data rate 6Mbps is selected as worse condition, and the following cases are performed with this condition.

802.11n-HT20 mode

Mode	Channel	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT20)	5180MHz (Ch36)	16.13	15.96	15.92	16.01	15.52	14.56	14.13	13.77
	5200MHz (Ch40)	16.26	/	/	/	/	/	/	/
	5240MHz(Ch48)	16.59	/	/	/	/	/	/	/
	5260MHz(Ch52)	16.75	/	/	/	/	/	/	/
	5280MHz(Ch56)	16.51	/	/	/	/	/	/	/
	5320MHz(Ch64)	16.58	/	/	/	/	/	/	/
	5500MHz(Ch100)	17.66	/	/	/	/	/	/	/
	5580MHz(Ch116)	17.31	/	/	/	/	/	/	/
	5700MHz(Ch140)	17.83	/	/	/	/	/	/	/

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ac-HT20 mode

Mode	Channel	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (HT20)	5180MHz (Ch36)	16.13	15.96	15.92	16.01	15.52	14.56	14.13	13.77
	5200MHz (Ch40)	16.26	/	/	/	/	/	/	/
	5240MHz(Ch48)	16.59	/	/	/	/	/	/	/
	5260MHz(Ch52)	16.75	/	/	/	/	/	/	/
	5280MHz(Ch56)	16.51	/	/	/	/	/	/	/
	5320MHz(Ch64)	16.58	/	/	/	/	/	/	/
	5500MHz(Ch100)	17.66	/	/	/	/	/	/	/
	5580MHz(Ch116)	17.31	/	/	/	/	/	/	/
	5700MHz(Ch140)	17.83	/	/	/	/	/	/	/

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11n-HT40 mode

Mode	Channel	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT40)	5190MHz (Ch38)	11.07	10.27	9.7	9.02	8.32	7.84	7.62	7.39
	5230MHz(Ch46)	11.05	/	/	/	/	/	/	/
	5270MHz(Ch54)	11.35	/	/	/	/	/	/	/
	5310MHz(Ch62)	11.34	/	/	/	/	/	/	/
	5510MHz(Ch102)	11.44	/	/	/	/	/	/	/
	5550MHz(Ch110)	11.58	/	/	/	/	/	/	/
	5670MHz(Ch134)	11.12	/	/	/	/	/	/	/

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

802.11ac-HT40 mode

Mode	Channel	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (HT40)	5190MHz (Ch38)	11.07	10.27	9.7	9.02	8.32	7.84	7.62	7.39
	5230MHz(Ch46)	11.05	/	/	/	/	/	/	/
	5270MHz(Ch54)	11.35	/	/	/	/	/	/	/
	5310MHz(Ch62)	11.34	/	/	/	/	/	/	/
	5510MHz(Ch102)	11.44	/	/	/	/	/	/	/
	5550MHz(Ch110)	11.58	/	/	/	/	/	/	/
	5670MHz(Ch134)	11.12	/	/	/	/	/	/	/

The data rate MCS0 is selected as worse condition, and the following cases are performed with

this condition.

802.11ac-HT80 mode

Mode	Channel	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (HT80)	5210MHz(Ch42)	14.84	13.89	11.65	10.88	9.79	8.72	8.33	8.40
	5290MHz(Ch58)	15.30	/	/	/	/	/	/	/
	5530MHz(Ch106)	14.80	/	/	/	/	/	/	/
	5610MHz(Ch122)	15.39	/	/	/	/	/	/	/

The data rate MCS0 is selected as worse condition, and the following cases are performed with this condition.

A.3. Peak Power Spectral Density (conducted)

Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	11
	5250MHz~5350MHz	11
	5470MHz~5725MHz	11

The output power measurement method SA-1 is made according to KDB 789033

Measurement Results:

Mode	Channel	Power Spectral Density (dBm/MHz)	Conclusion
802.11a	5180 MHz	7.88	P
	5200 MHz	7.90	P
	5240 MHz	8.00	P
	5260 MHz	7.96	P
	5280 MHz	7.93	P
	5320 MHz	7.69	P
	5500 MHz	9.76	P
	5580 MHz	9.29	P
	5700 MHz	9.79	P
802.11n HT20	5180 MHz	8.65	P
	5200 MHz	7.97	P
	5240 MHz	7.99	P
	5260 MHz	7.85	P
	5280 MHz	8.02	P
	5320 MHz	7.75	P
	5500 MHz	8.79	P
	5580 MHz	7.85	P
	5700 MHz	9.23	P
802.11ac HT20	5180 MHz	7.79	P
	5200 MHz	6.80	P
	5240 MHz	7.78	P
	5260 MHz	7.73	P
	5280 MHz	7.95	P
	5320 MHz	7.52	P
	5500 MHz	7.89	P
	5580 MHz	7.71	P
	5700 MHz	7.98	P
802.11n HT40	5190 MHz	5.08	P
	5230 MHz	5.13	P
	5270 MHz	5.05	P
	5310 MHz	4.90	P
	5510 MHz	5.05	P

	5550 MHz	4.90	P
	5670 MHz	5.53	P
802.11ac HT40	5190 MHz	4.07	P
	5230 MHz	4.15	P
	5270 MHz	4.02	P
	5310 MHz	3.91	P
	5510 MHz	4.05	P
	5550 MHz	3.90	P
	5670 MHz	4.46	P
802.11ac HT80	5210 MHz	0.53	P
	5290 MHz	1.10	P
	5530MHz	0.66	P
	5610 MHz	1.09	P

Conclusion: PASS

A.4. Occupied 26dB Bandwidth(conducted)

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.403 (i)	/

The measurement is made according to KDB 789033

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

Measurement Result:

Mode	Channel	Occupied 26dB Bandwidth (kHz)		conclusion
802.11a	5180 MHz	Fig.1	22.05	P
	5200 MHz	Fig.2	22.15	P
	5240 MHz	Fig.3	22.10	P
	5260 MHz	Fig.4	24.10	P
	5280 MHz	Fig.5	23.60	P
	5320 MHz	Fig.6	23.65	P
	5500 MHz	Fig.7	31.95	P
	5580 MHz	Fig.8	28.80	P
	5700 MHz	Fig.9	33.40	P
802.11n HT20	5180 MHz	Fig.10	27.55	P
	5200 MHz	Fig.11	27.85	P
	5240 MHz	Fig.12	28.45	P
	5260 MHz	Fig.13	27.85	P
	5280 MHz	Fig.14	29.05	P
	5320 MHz	Fig.15	29.20	P
	5500 MHz	Fig.16	32.10	P
	5580 MHz	Fig.17	31.85	P
	5700 MHz	Fig.18	31.85	P
802.11ac HT20	5180 MHz	Fig.19	21.05	P
	5200 MHz	Fig.20	22.25	P
	5240 MHz	Fig.21	23.45	P
	5260 MHz	Fig.22	22.95	P
	5280 MHz	Fig.23	23.35	P
	5320 MHz	Fig.24	22.80	P
	5500 MHz	Fig.25	22.25	P
	5580 MHz	Fig.26	23.40	P
	5700 MHz	Fig.27	29.95	P
802.11n HT40	5190 MHz	Fig.28	59.84	P
	5230 MHz	Fig.29	52.64	P
	5270 MHz	Fig.30	65.52	P
	5310 MHz	Fig.31	65.20	P

	5510 MHz	Fig.32	66.40	P
	5550 MHz	Fig.33	64.48	P
	5670 MHz	Fig.34	65.60	P
802.11ac HT40	5190 MHz	Fig.35	41.92	P
	5230 MHz	Fig.36	41.28	P
	5270 MHz	Fig.37	41.36	P
	5310 MHz	Fig.38	41.36	P
	5510 MHz	Fig.39	41.20	P
	5550 MHz	Fig.40	41.04	P
	5670 MHz	Fig.41	41.12	P
802.11ac HT80	5210MHz	Fig.42	80.96	P
	5290MHz	Fig.43	80.80	P
	5530MHz	Fig.44	81.12	P
	5610MHz	Fig.45	80.96	P

Conclusion: PASS

Test graphs as below:

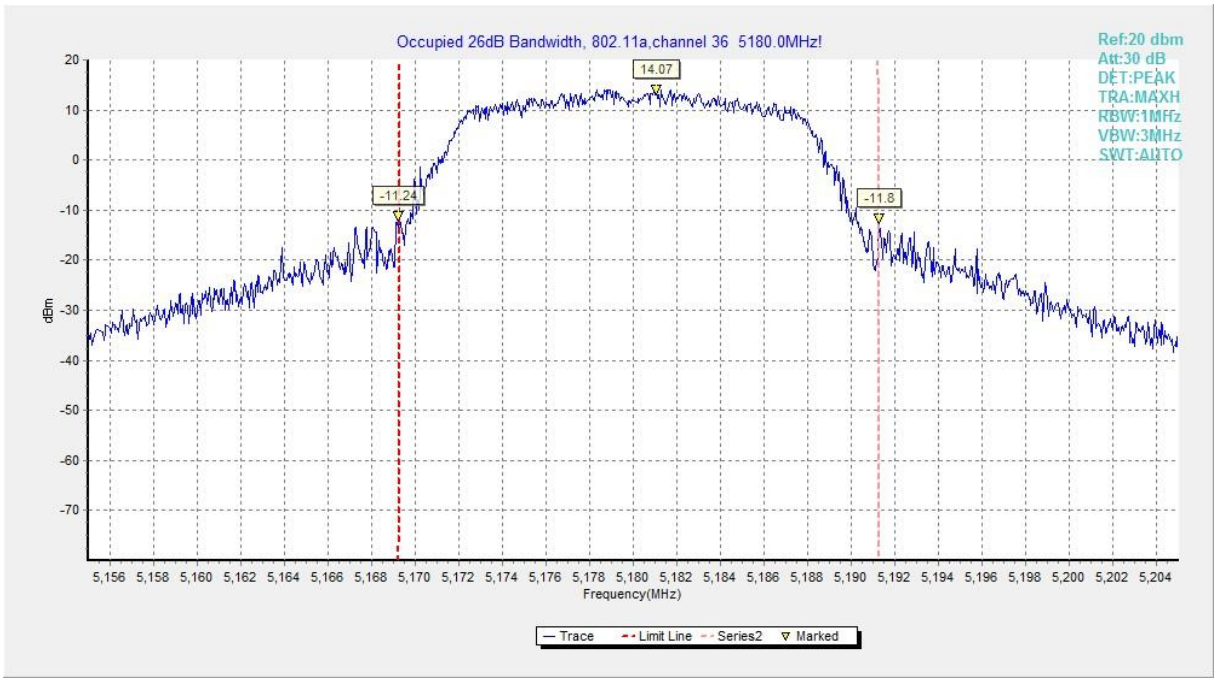


Fig. 1 Occupied 26dB Bandwidth (802.11a, 5180MHz)

Fig. 2 Occupied 26dB Bandwidth (802.11a, 5200MHz)

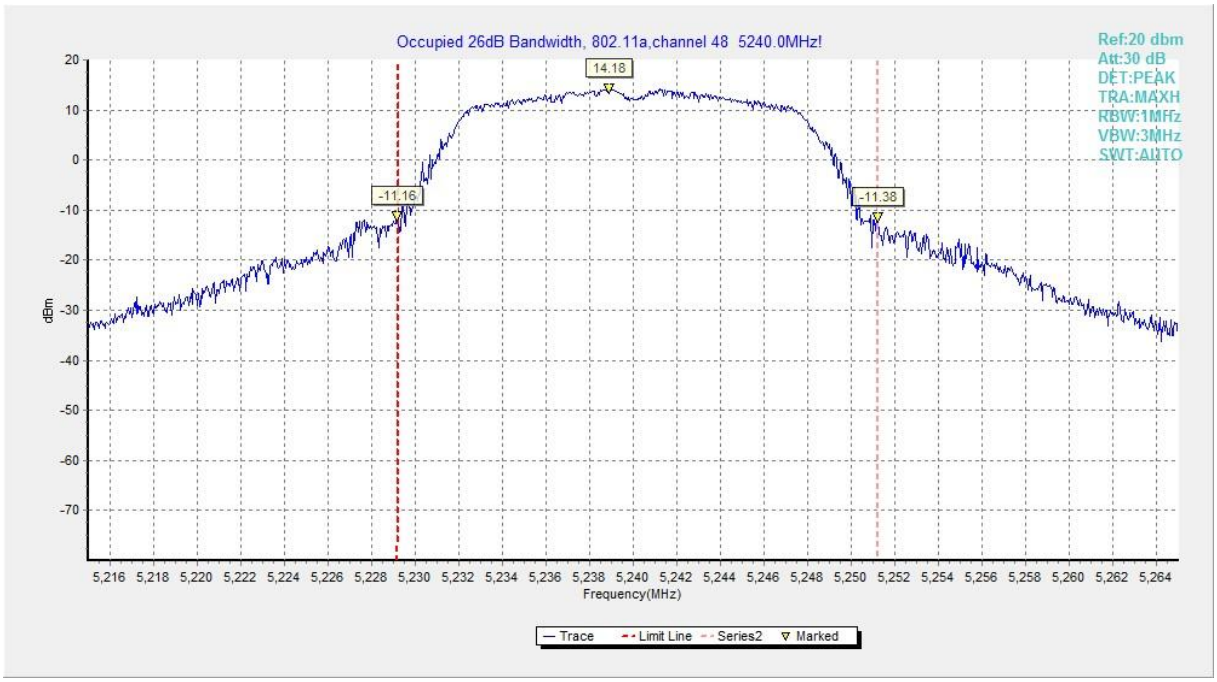


Fig. 3 Occupied 26dB Bandwidth (802.11a, 5240MHz)

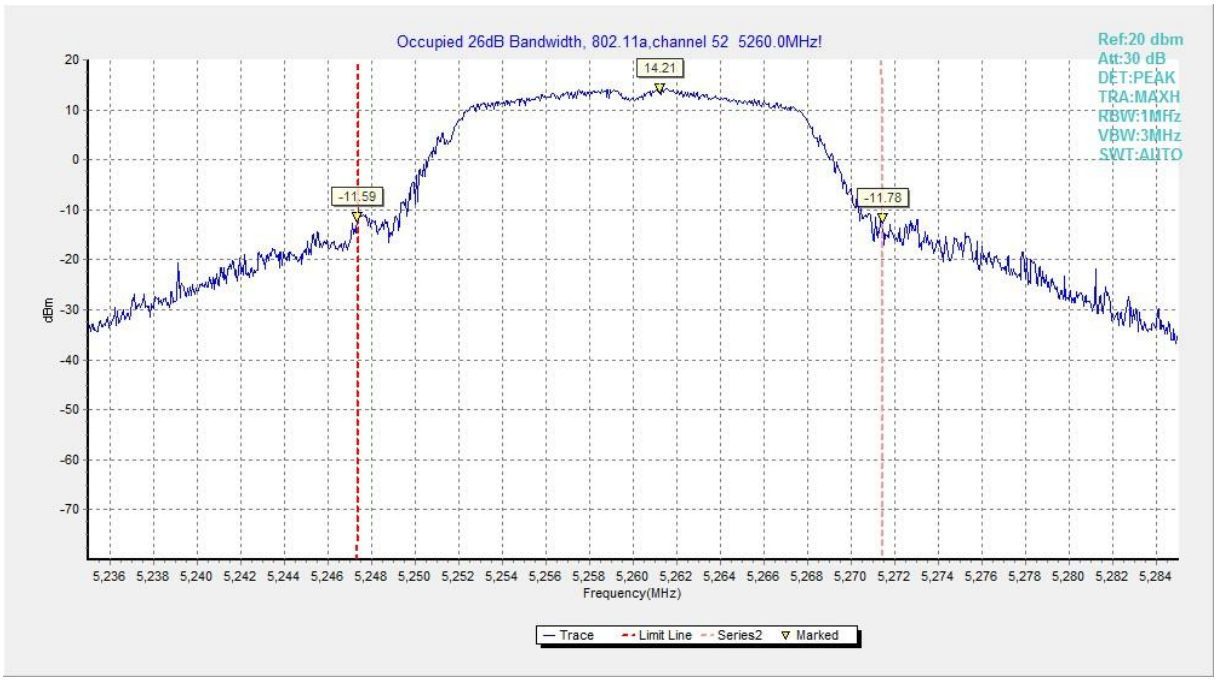


Fig. 4 Occupied 26dB Bandwidth (802.11a, 5260MHz)

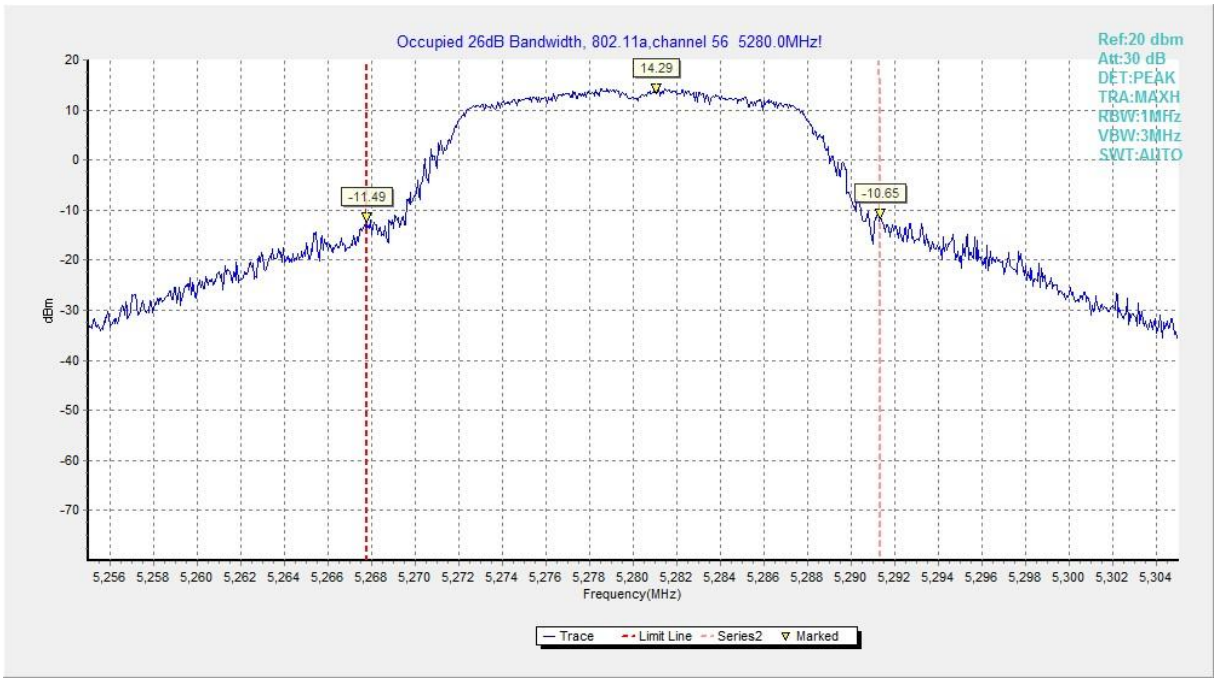


Fig. 5 Occupied 26dB Bandwidth (802.11a, 5280MHz)

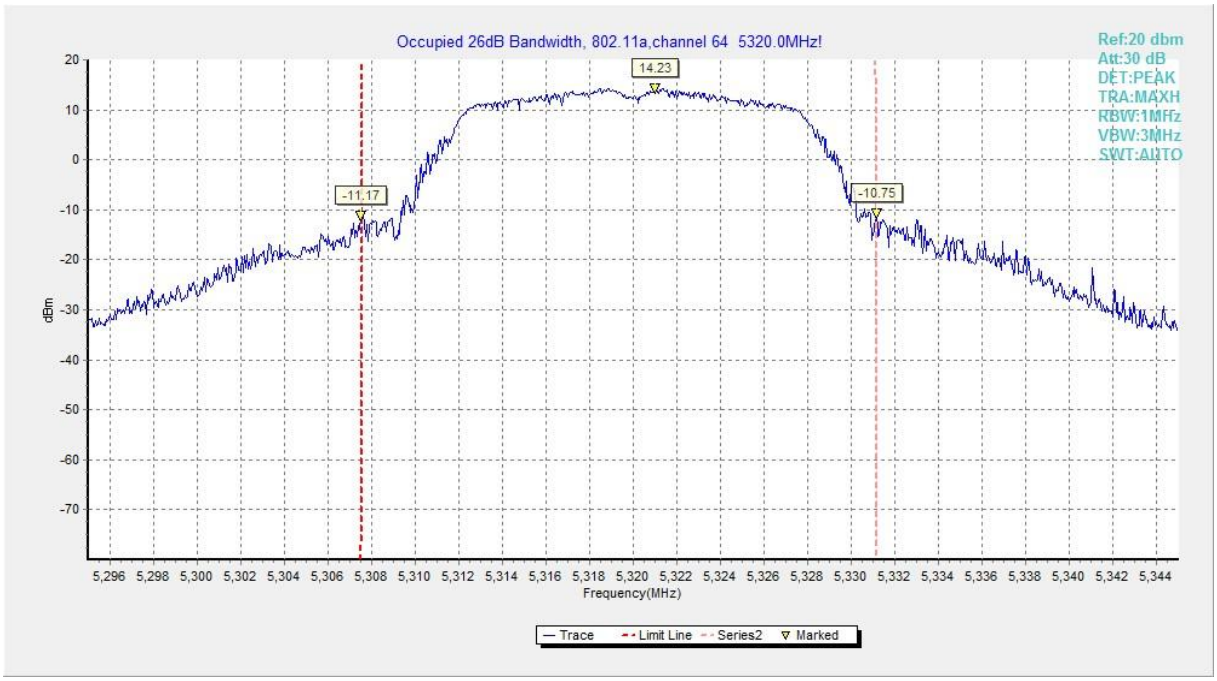


Fig. 6 Occupied 26dB Bandwidth (802.11a, 5320MHz)

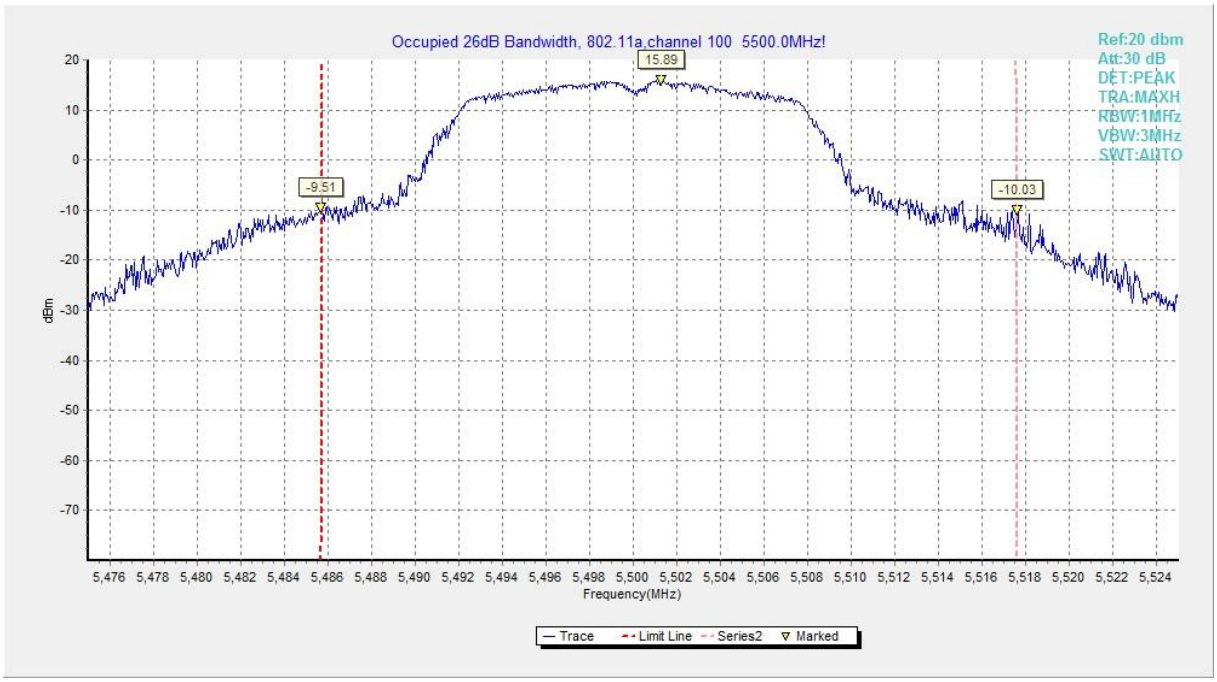


Fig. 7 Occupied 26dB Bandwidth (802.11a, 5500MHz)

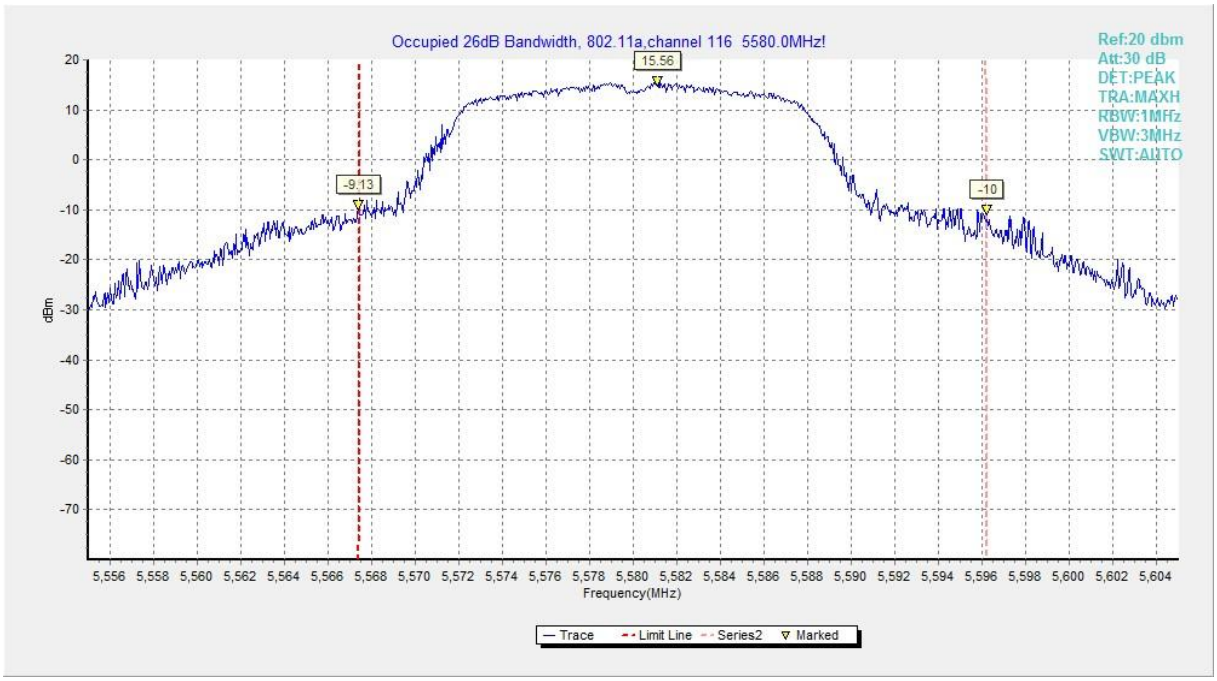


Fig. 8 Occupied 26dB Bandwidth (802.11a, 5580MHz)

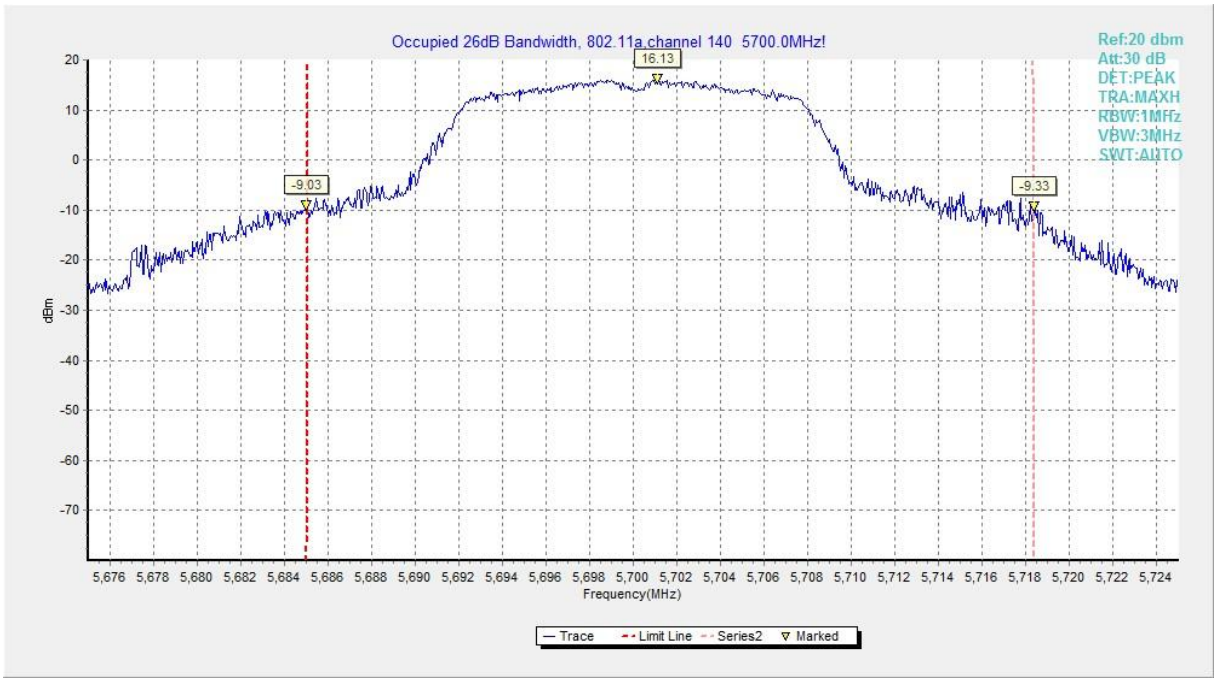


Fig. 9 Occupied 26dB Bandwidth (802.11a, 5700MHz)

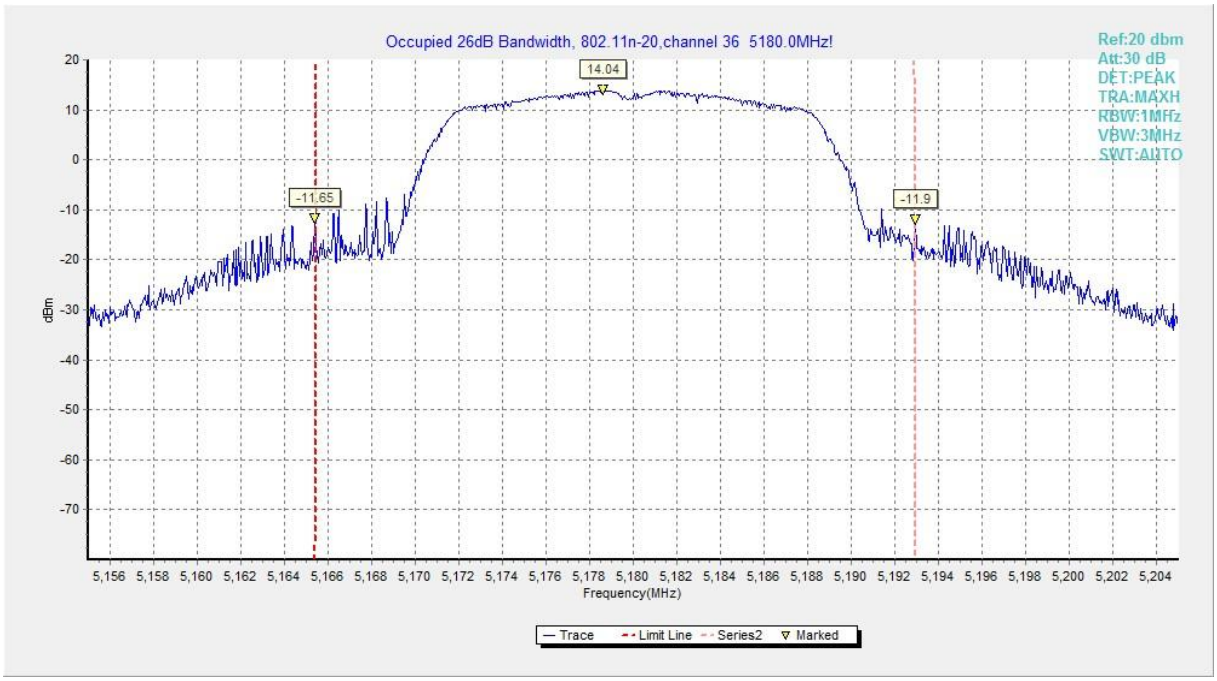


Fig. 10 Occupied 26dB Bandwidth (802.11n-HT20, 5180MHz)

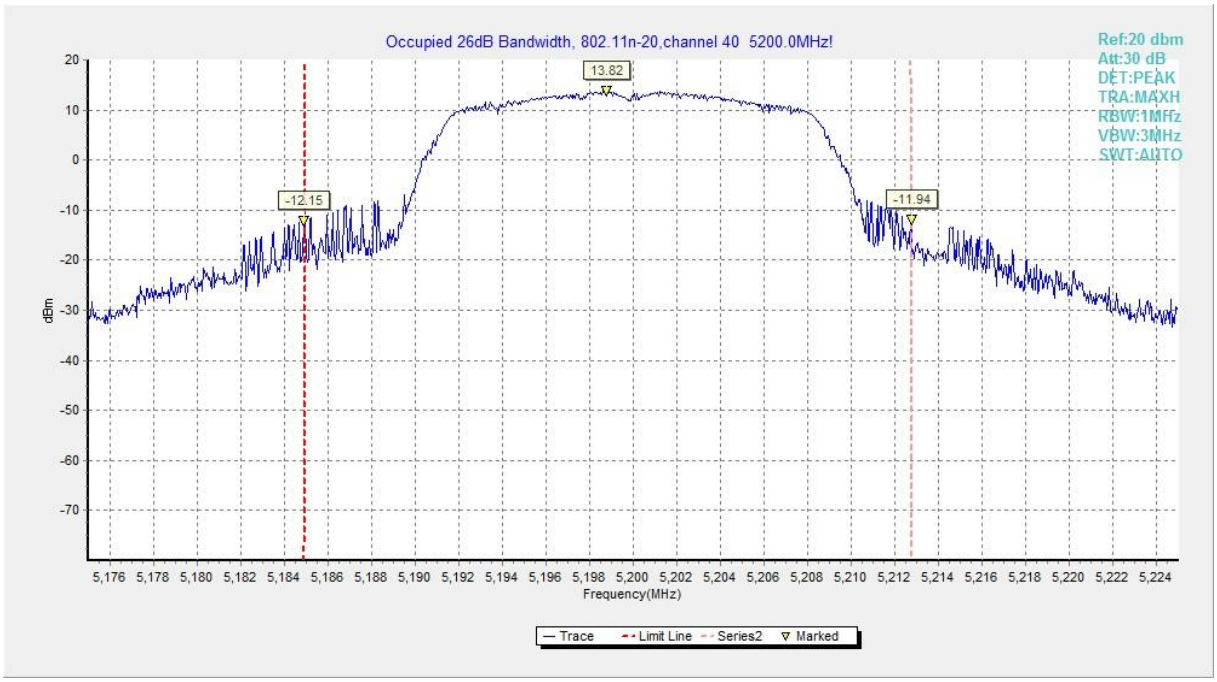


Fig. 11 Occupied 26dB Bandwidth (802.11n-HT20, 5200MHz)

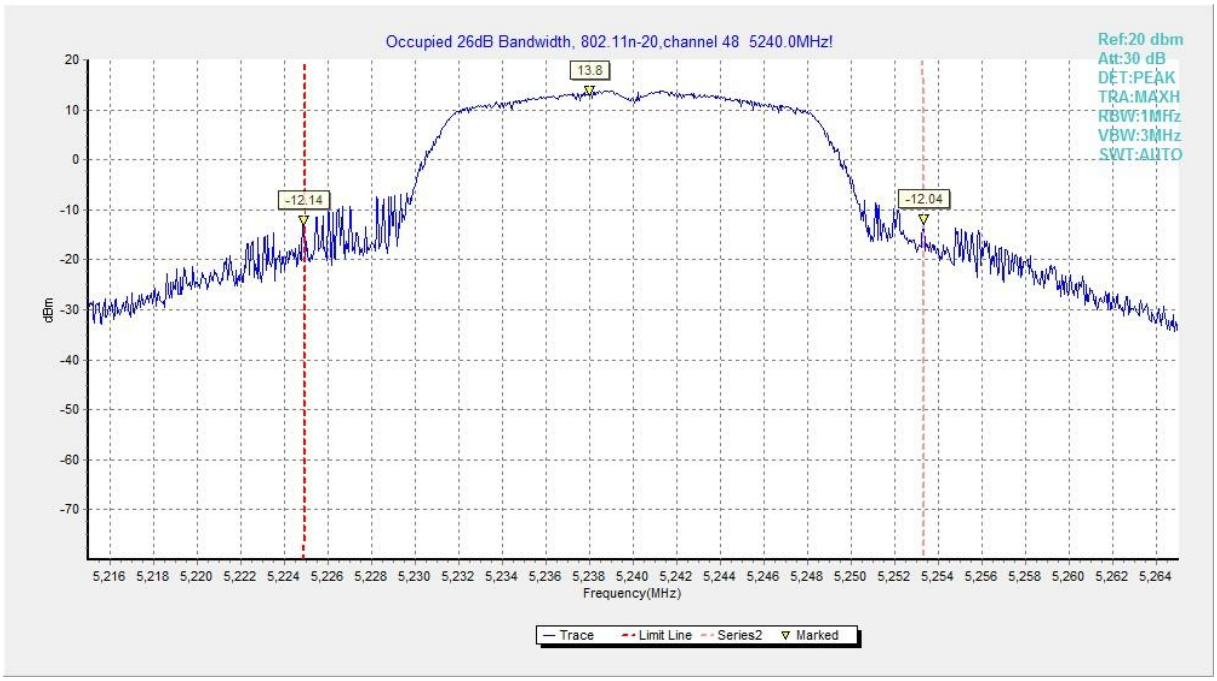


Fig. 12 Occupied 26dB Bandwidth (802.11n-HT20, 5240MHz)

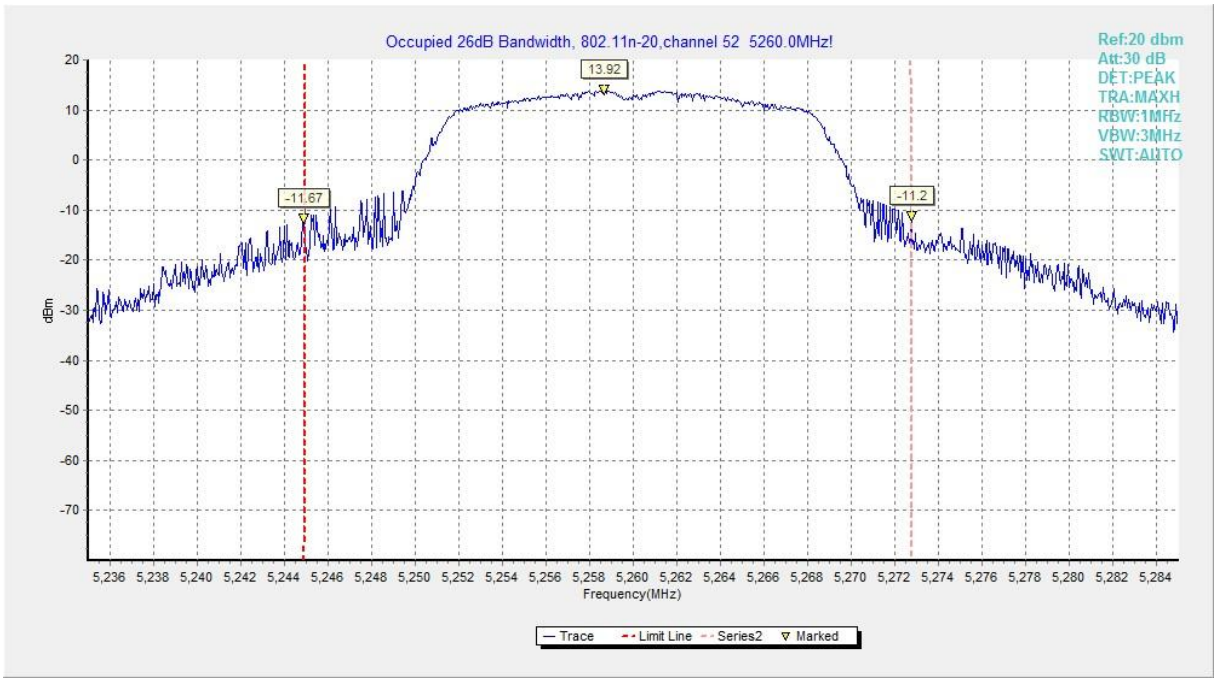


Fig. 13 Occupied 26dB Bandwidth (802.11n-HT20, 5260MHz)

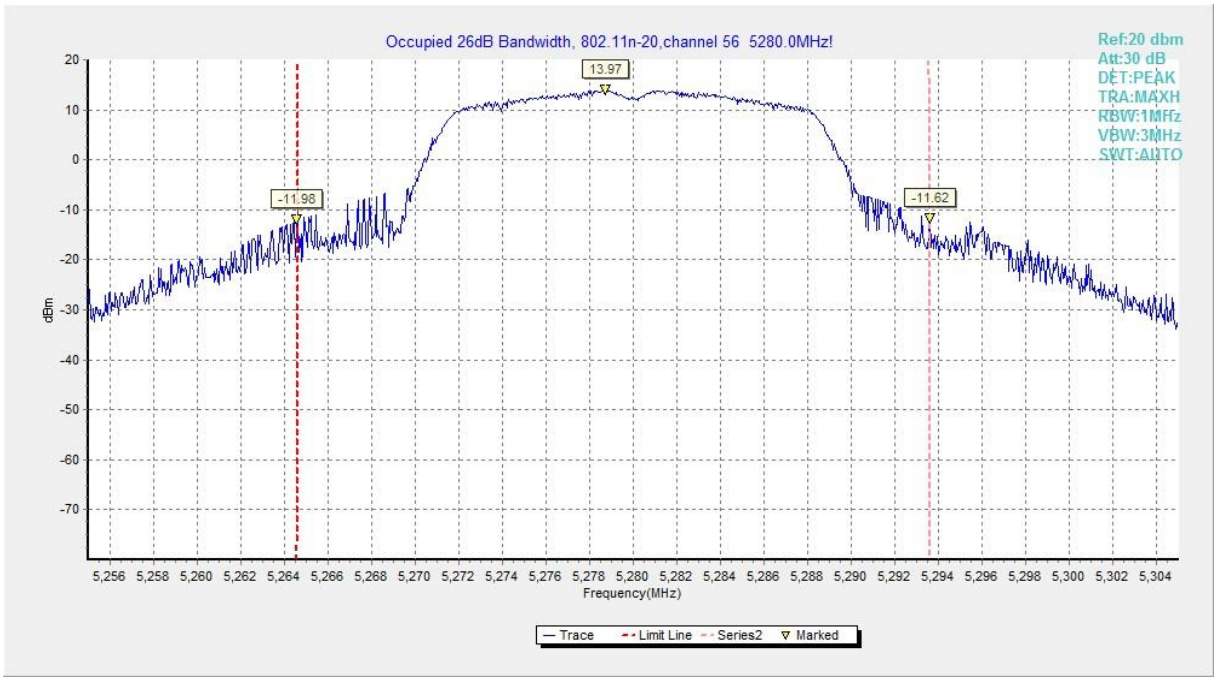


Fig. 14 Occupied 26dB Bandwidth (802.11n-HT20, 5280MHz)

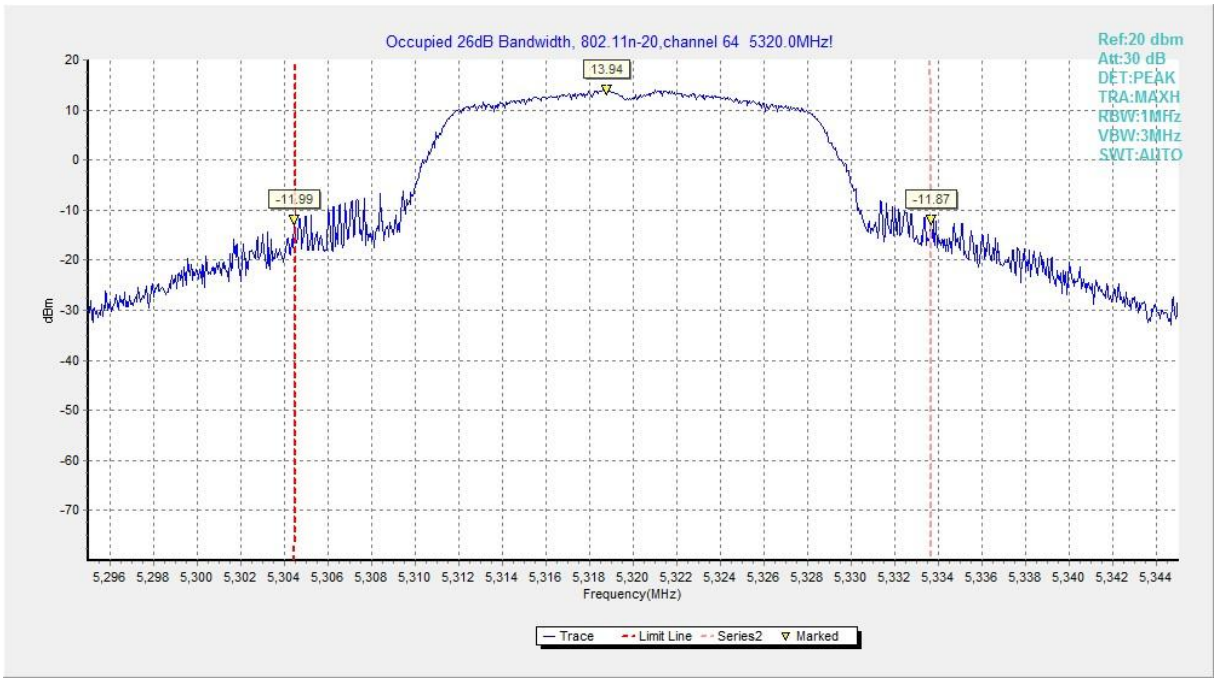


Fig. 15 Occupied 26dB Bandwidth (802.11n-HT20, 5320MHz)

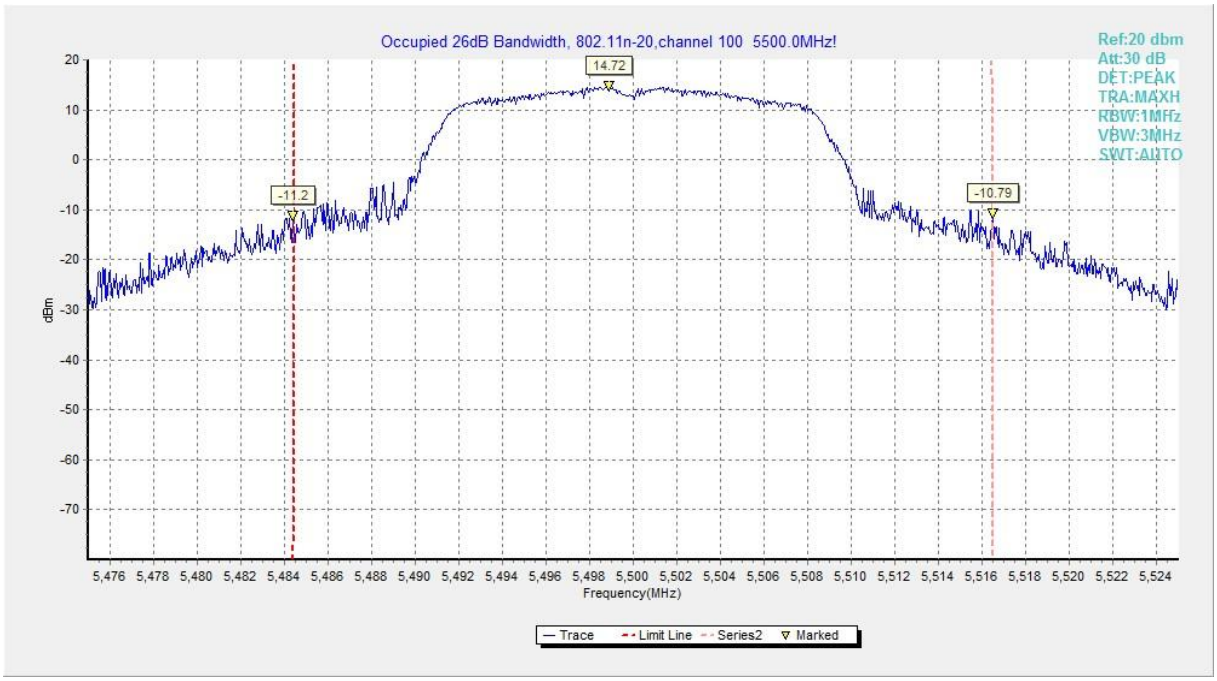


Fig. 16 Occupied 26dB Bandwidth (802. 11n-HT20, 5500MHz)

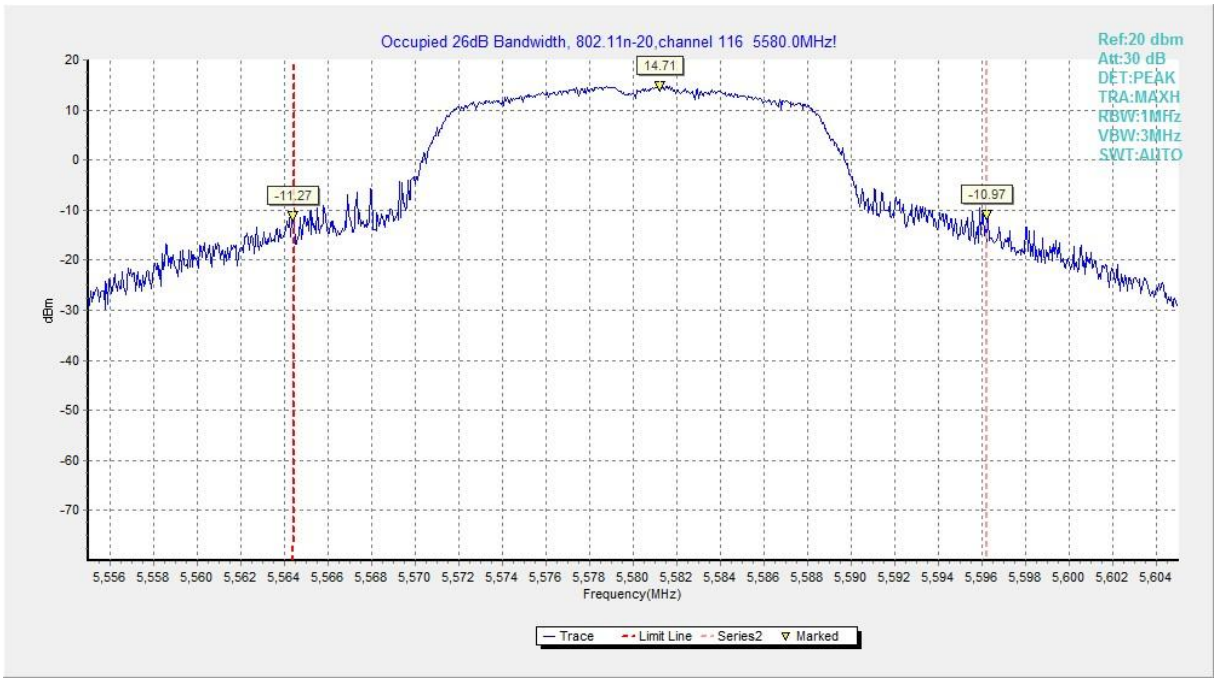


Fig. 17 Occupied 26dB Bandwidth (802. 11n-HT20, 5580MHz)

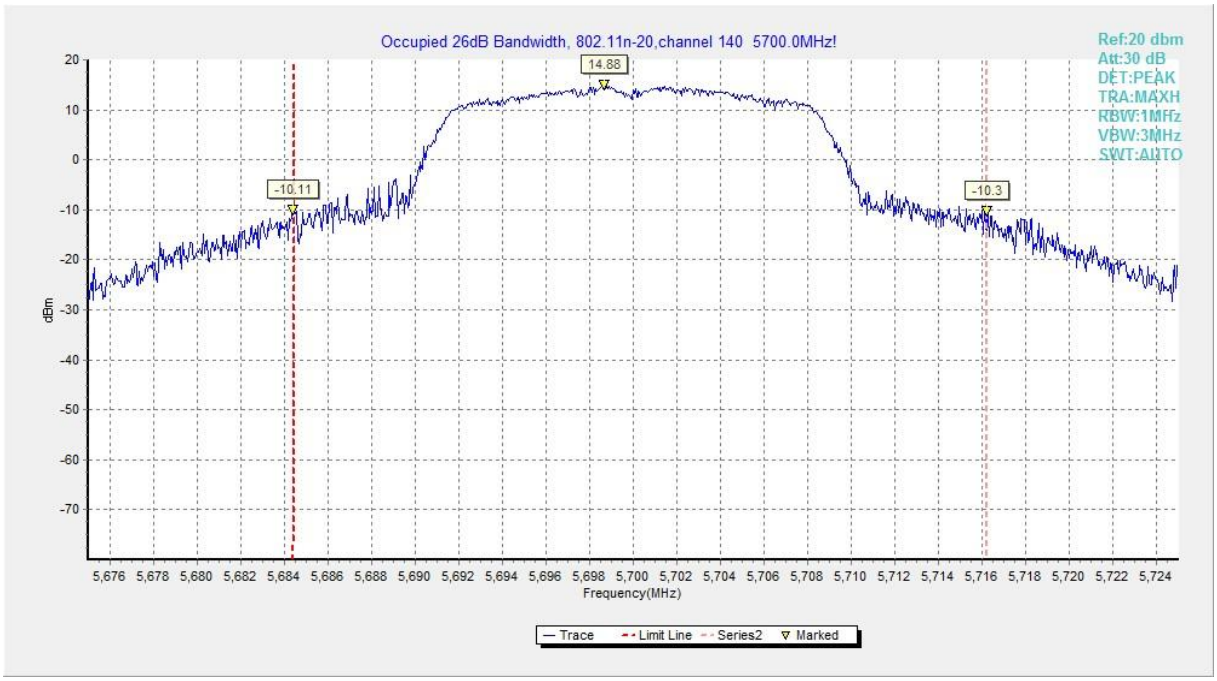


Fig. 18 Occupied 26dB Bandwidth (802. 11n-HT20, 5700MHz)

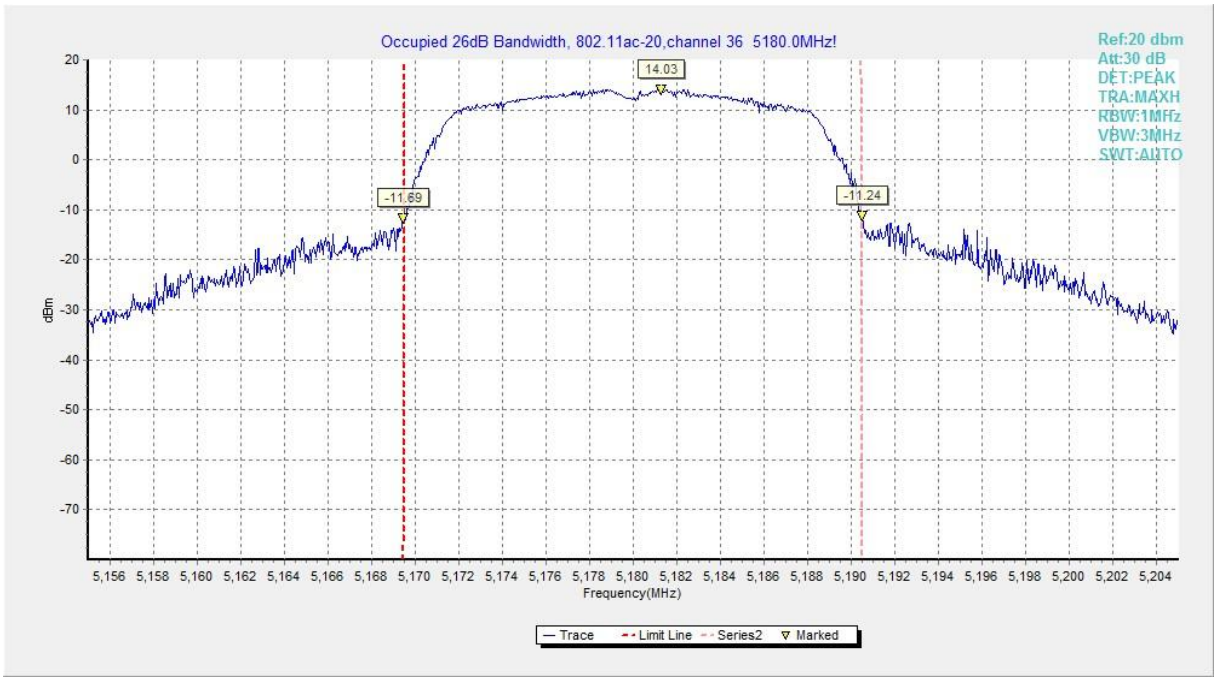


Fig. 19 Occupied 26dB Bandwidth (802.11ac-HT20, 5180MHz)

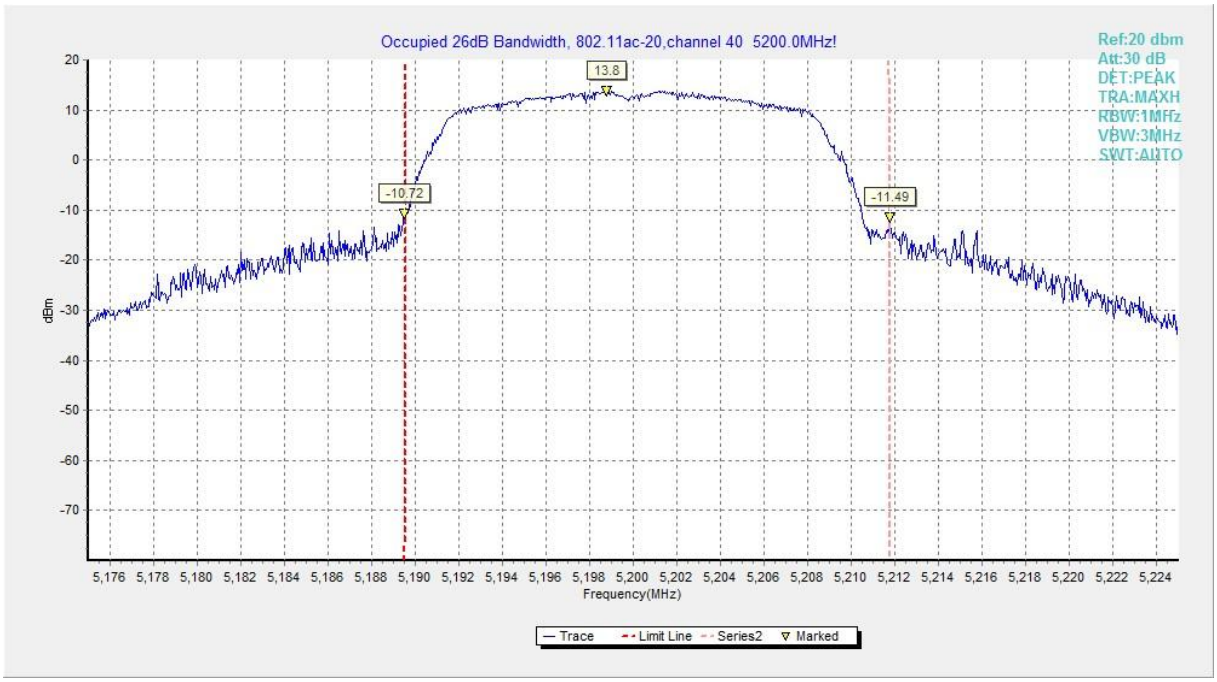


Fig. 20 Occupied 26dB Bandwidth (802.11ac-HT20, 5200MHz)

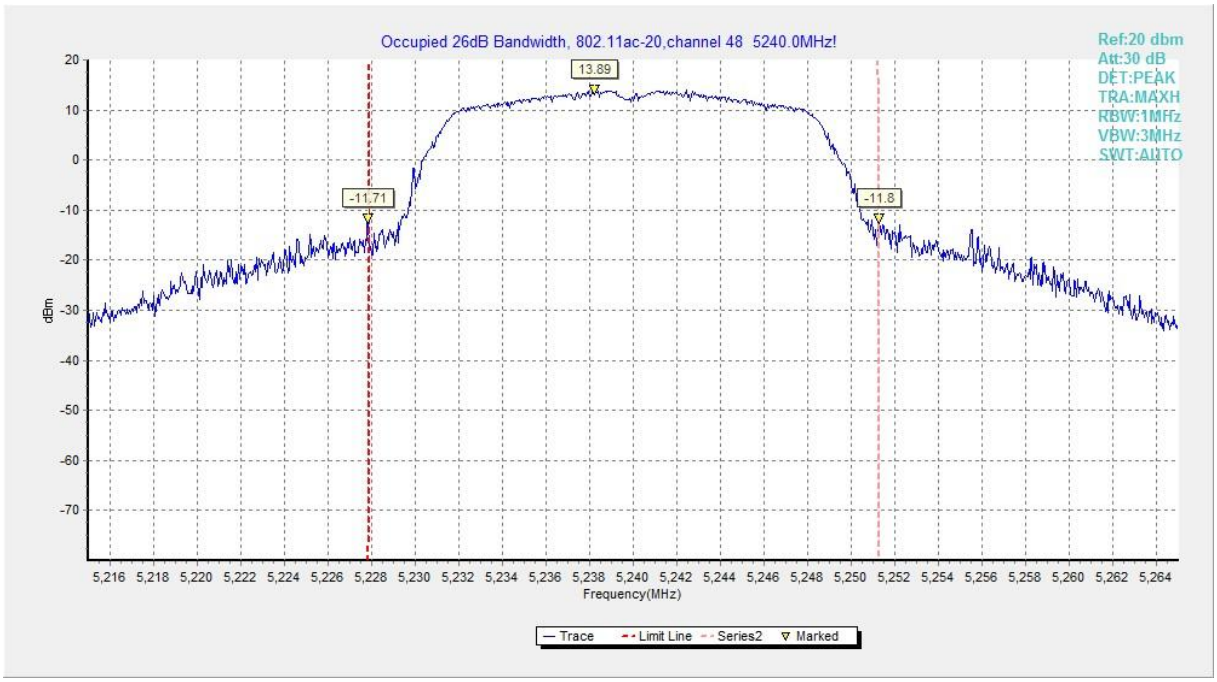


Fig. 21 Occupied 26dB Bandwidth (802.11ac-HT20, 5240MHz)

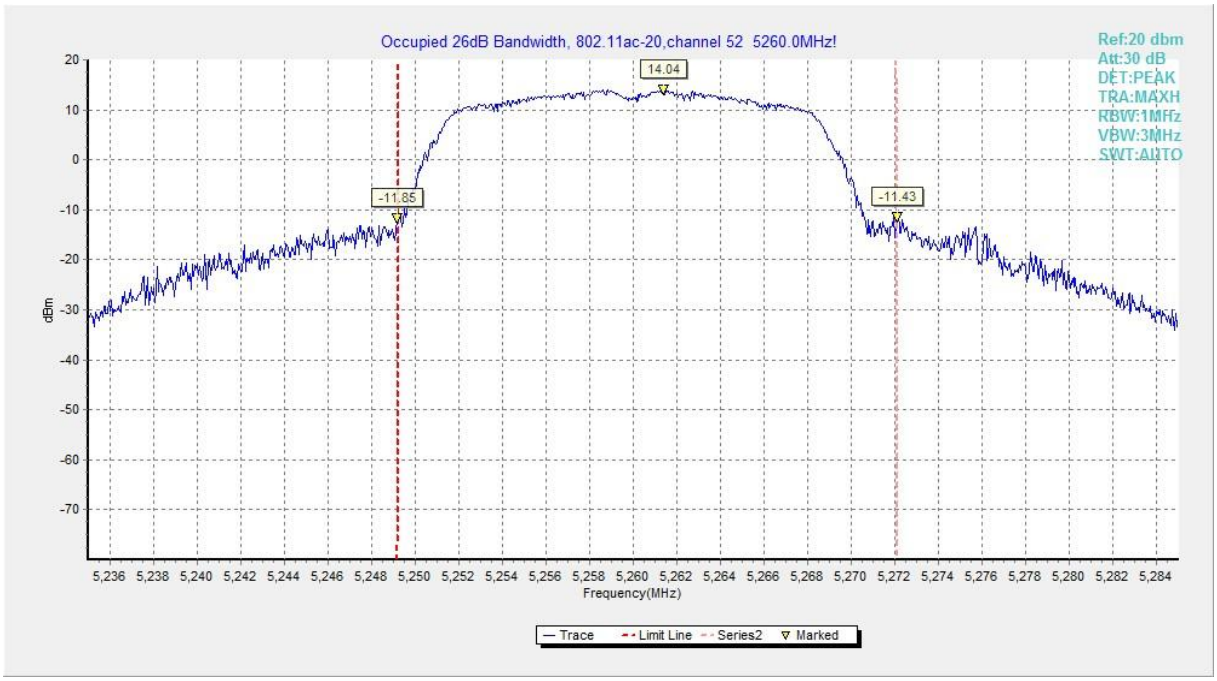


Fig. 22 Occupied 26dB Bandwidth (802.11ac-HT20, 5260MHz)

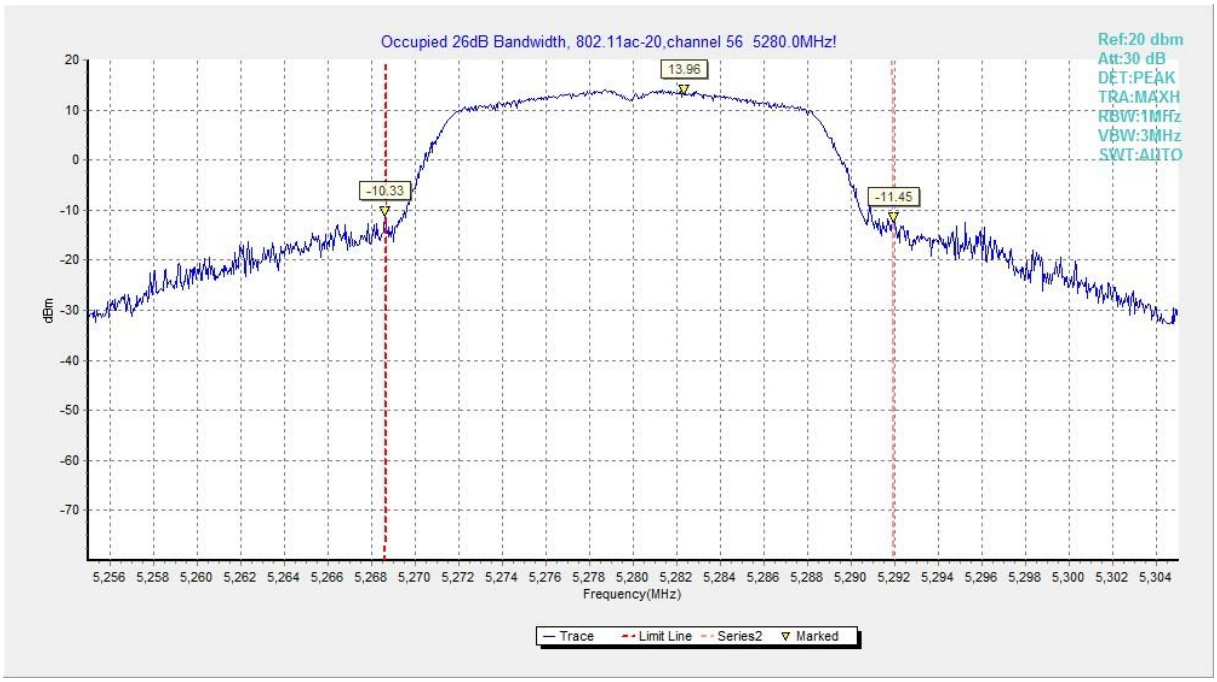


Fig. 23 Occupied 26dB Bandwidth (802.11ac-HT20, 5280MHz)

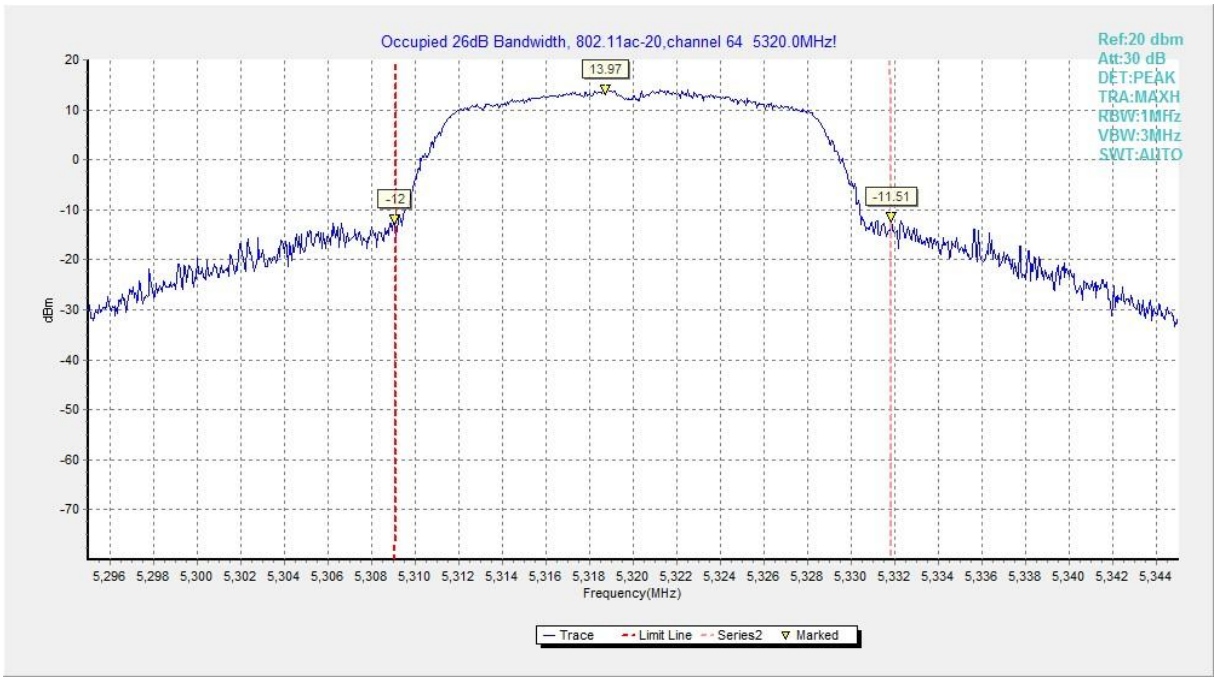


Fig. 24 Occupied 26dB Bandwidth (802.11ac-HT20, 5320MHz)

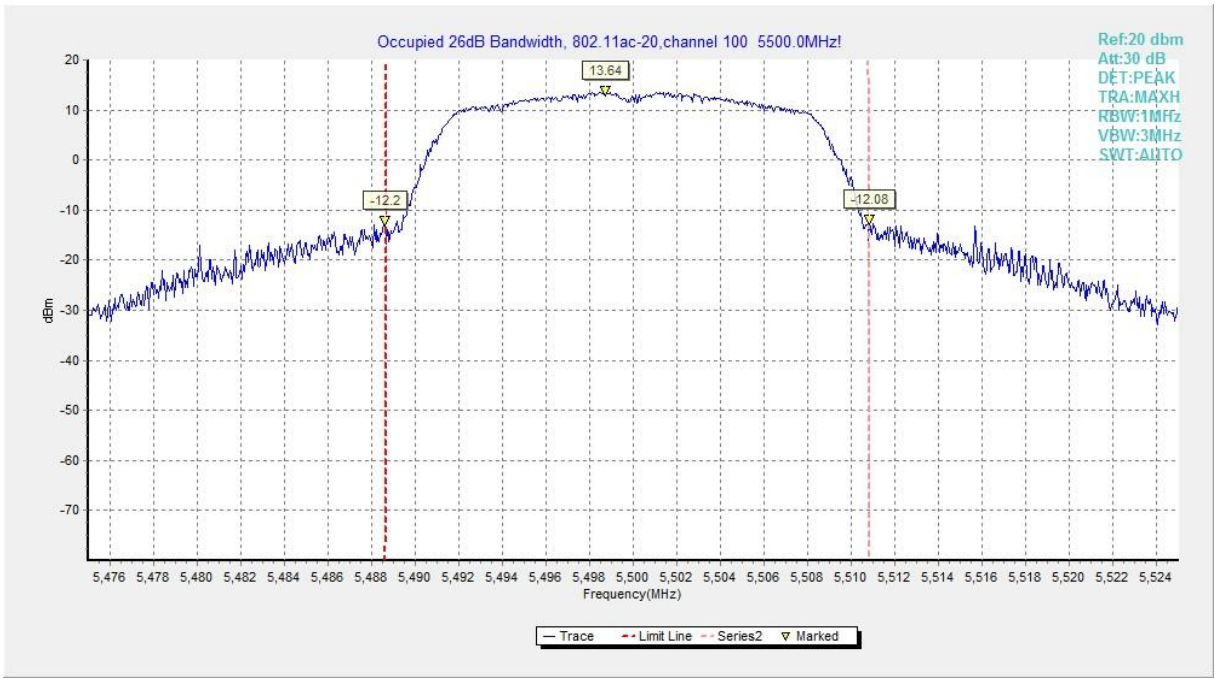


Fig. 25 Occupied 26dB Bandwidth (802. 11n-HT20, 5500MHz)

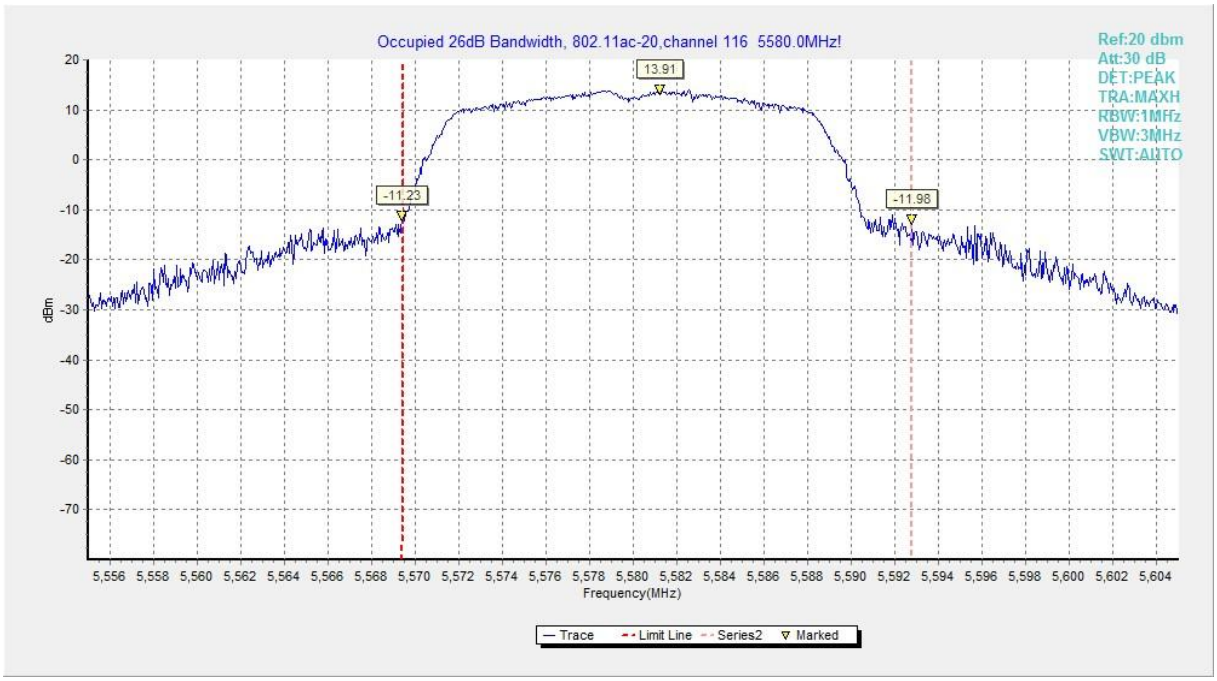


Fig. 26 Occupied 26dB Bandwidth (802. 11ac-HT20, 5580MHz)

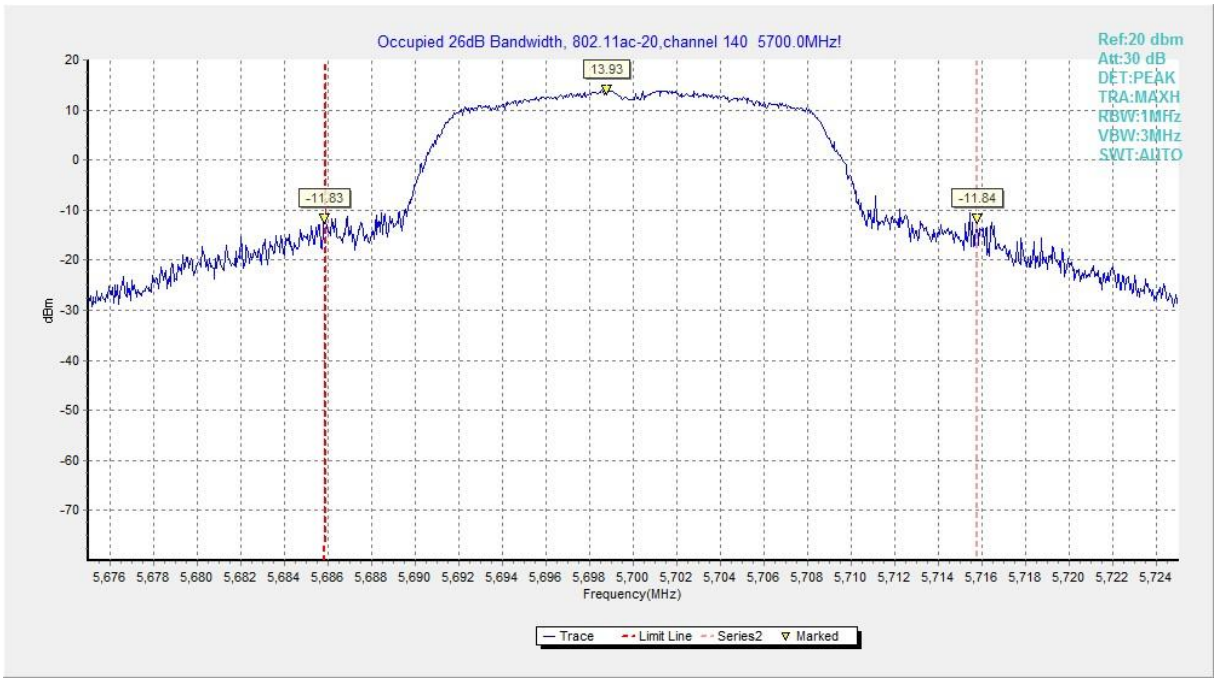


Fig. 27 Occupied 26dB Bandwidth (802. 11ac-HT20, 5700MHz)

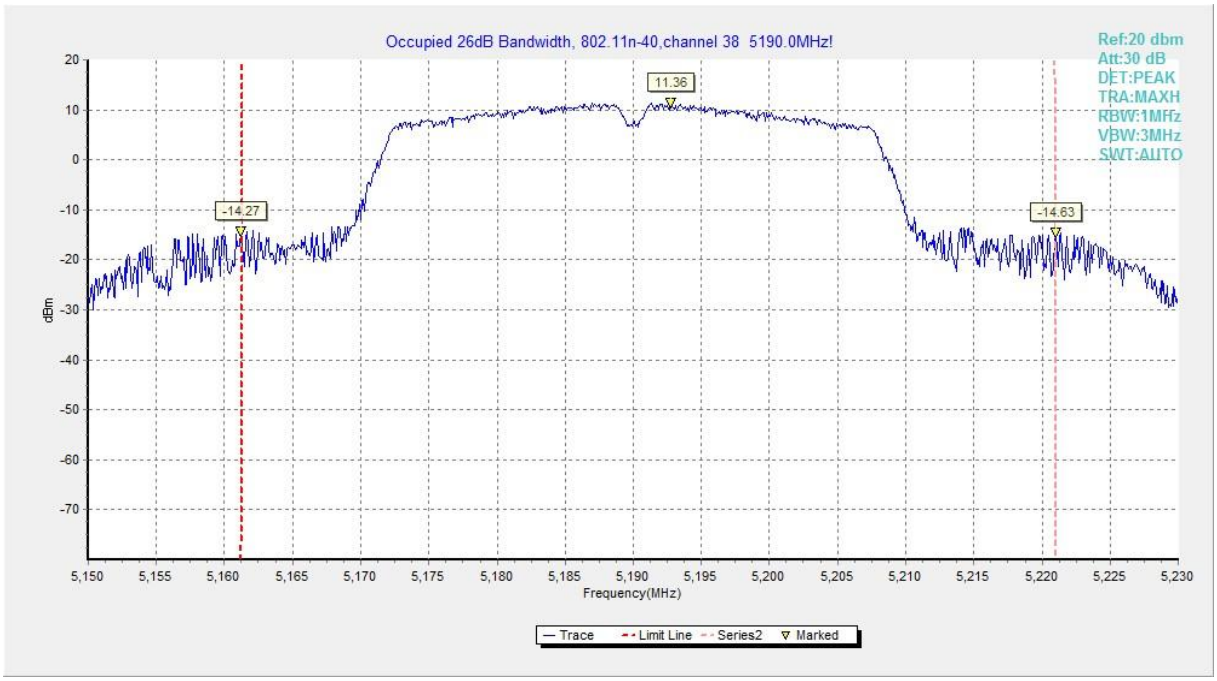


Fig. 28 Occupied 26dB Bandwidth (802.11n-HT40, 5190MHz)

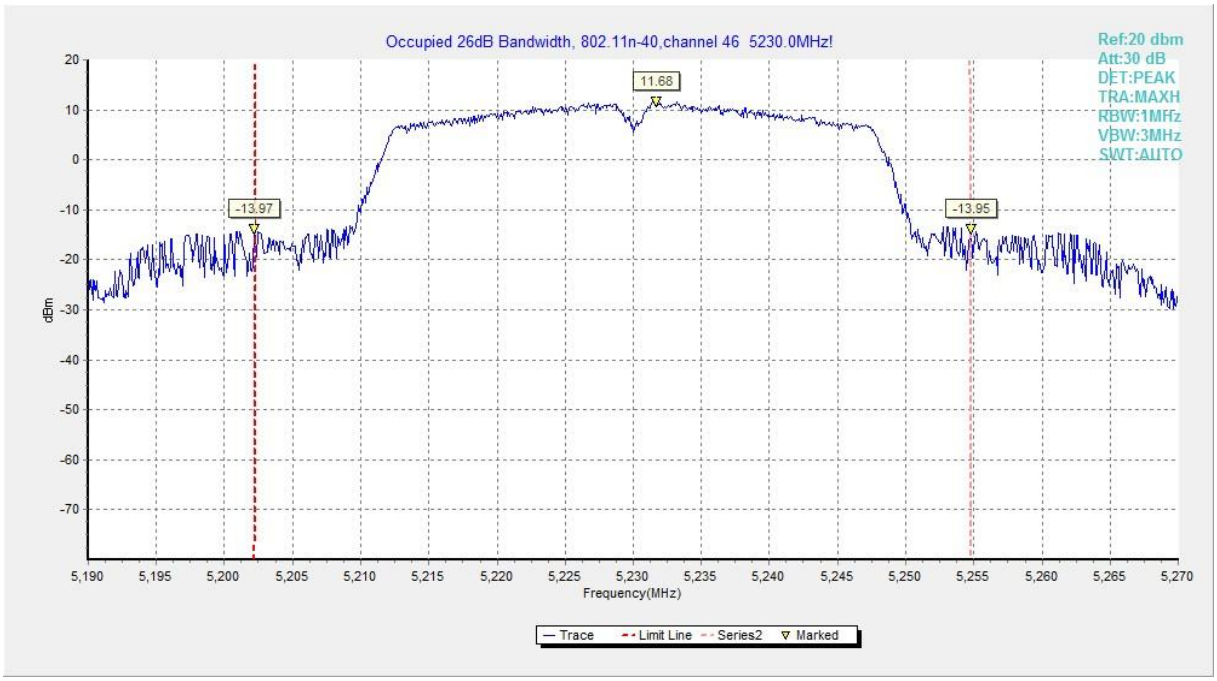


Fig. 29 Occupied 26dB Bandwidth (802.11n-HT40, 5230MHz)

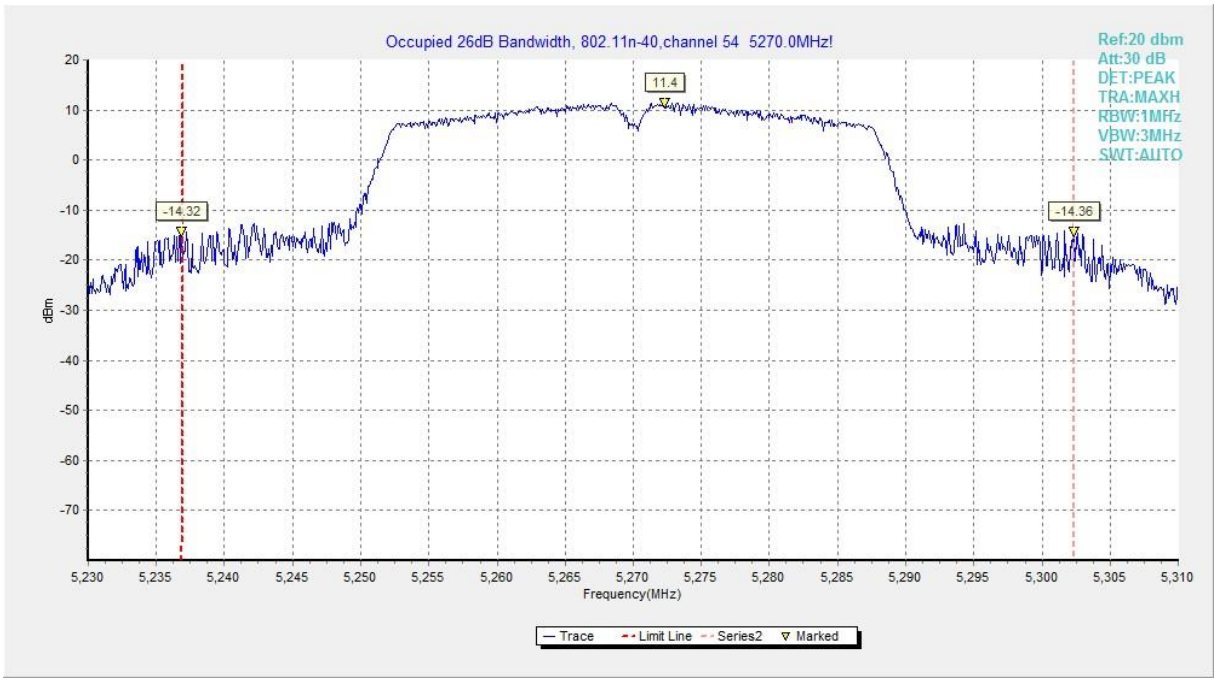


Fig. 30 Occupied 26dB Bandwidth (802.11n-HT40, 5270MHz)

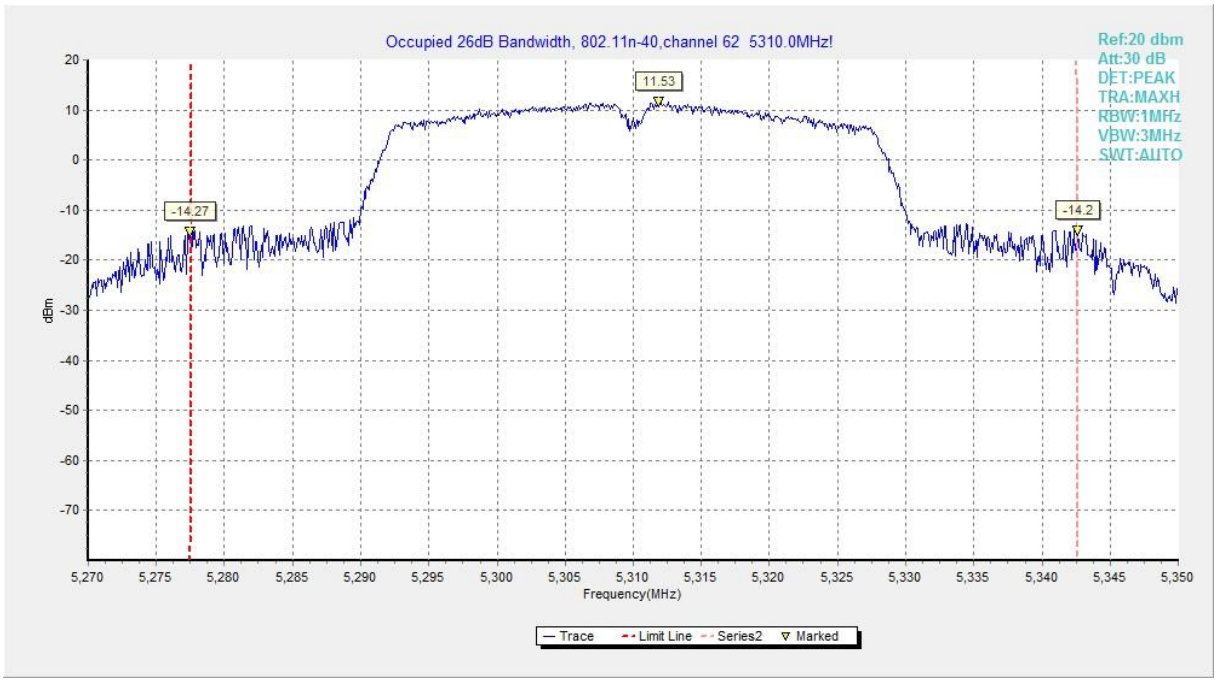


Fig. 31 Occupied 26dB Bandwidth (802.11n-HT40, 5310MHz)

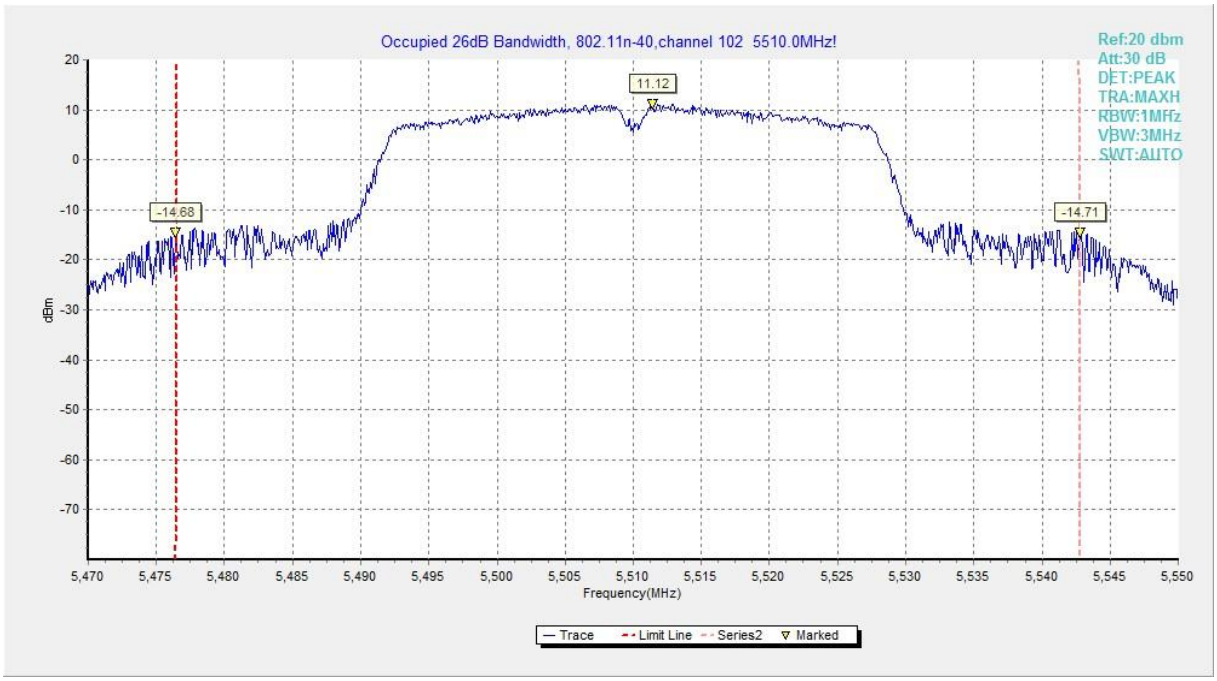


Fig. 32 Occupied 26dB Bandwidth (802. 11n-HT40, 5510MHz)

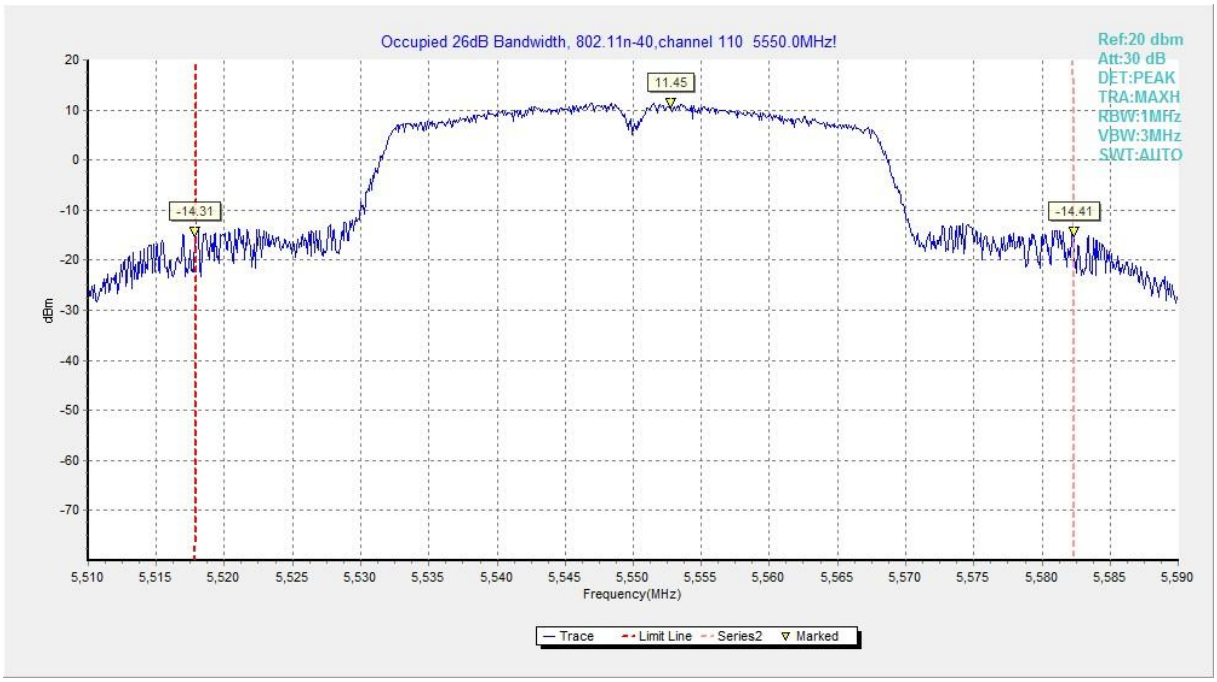


Fig. 33 Occupied 26dB Bandwidth (802. 11n-HT40, 5550MHz)

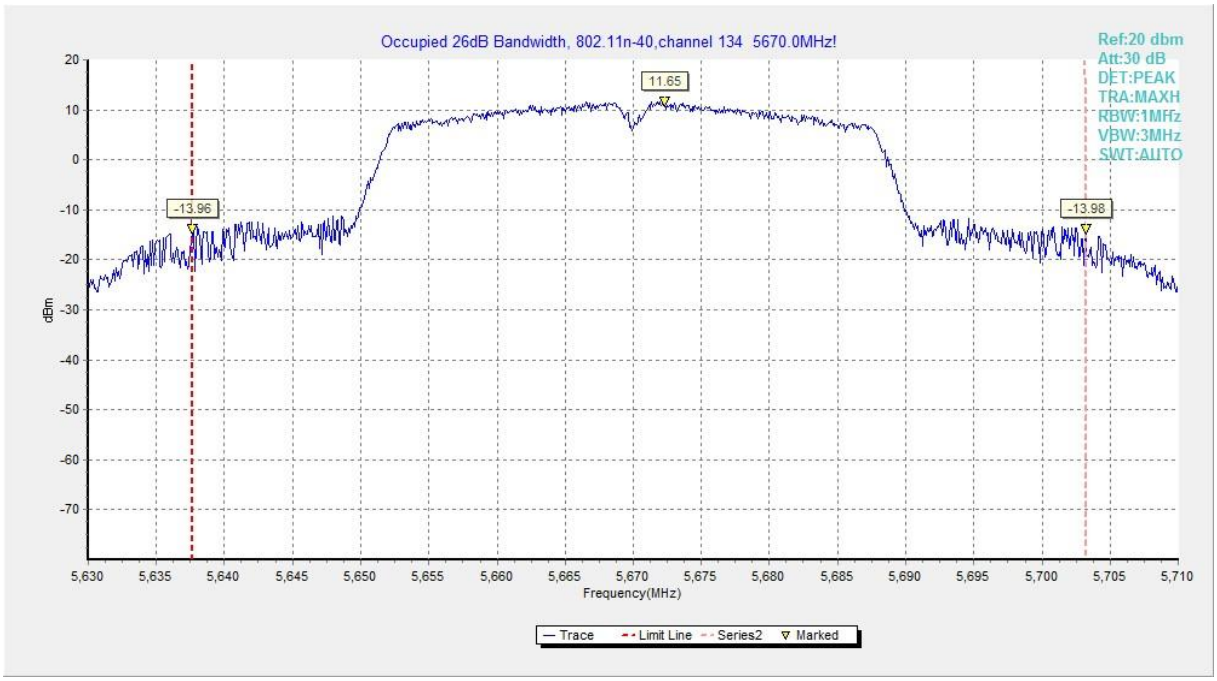


Fig. 34 Occupied 26dB Bandwidth (802. 11n-HT40, 5670MHz)

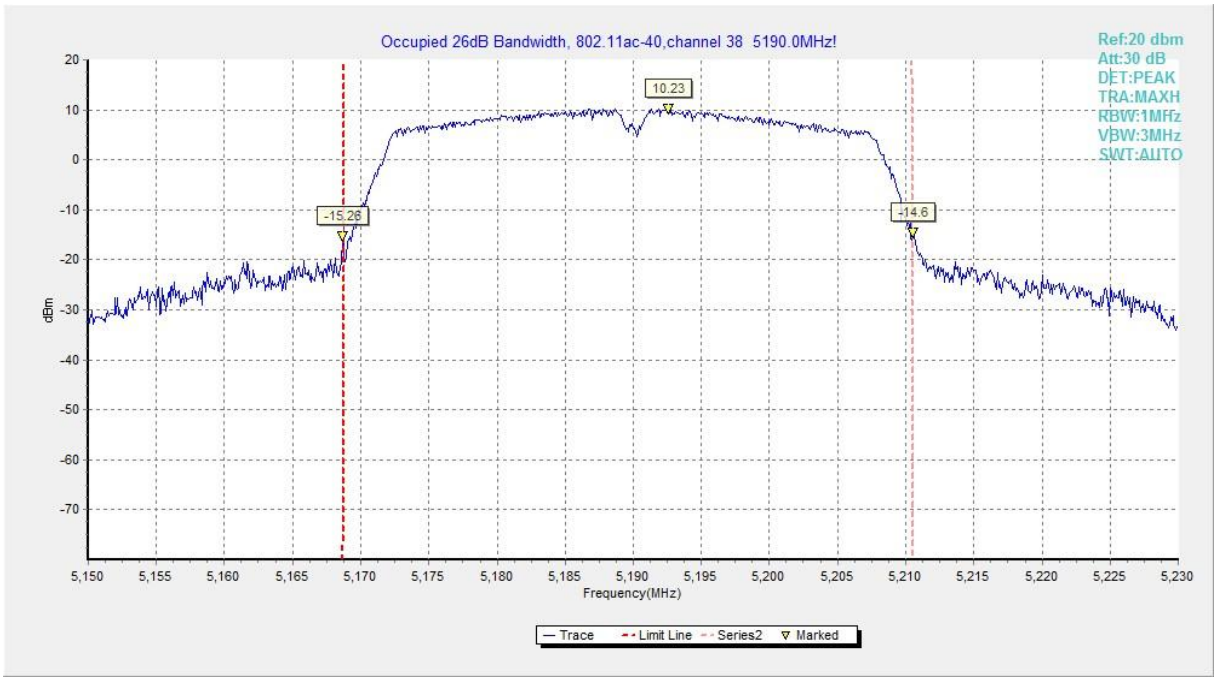


Fig. 35 Occupied 26dB Bandwidth (802.11ac-HT40, 5190MHz)

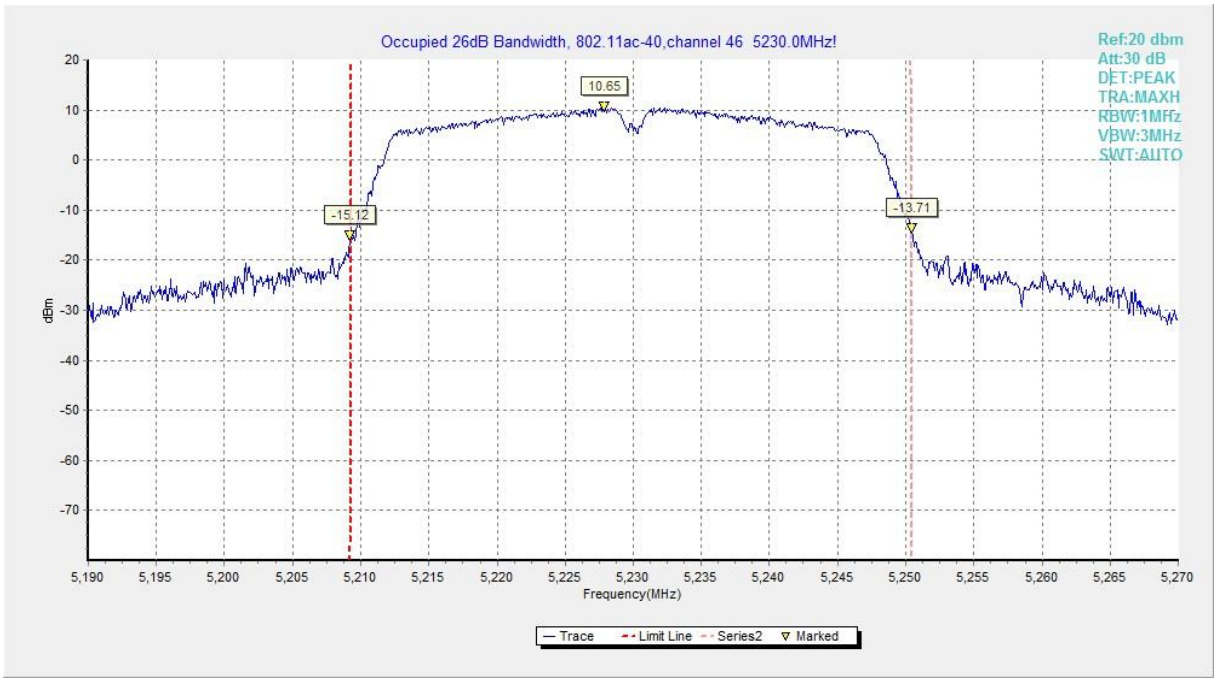


Fig. 36 Occupied 26dB Bandwidth (802.11ac-HT40, 5230MHz)

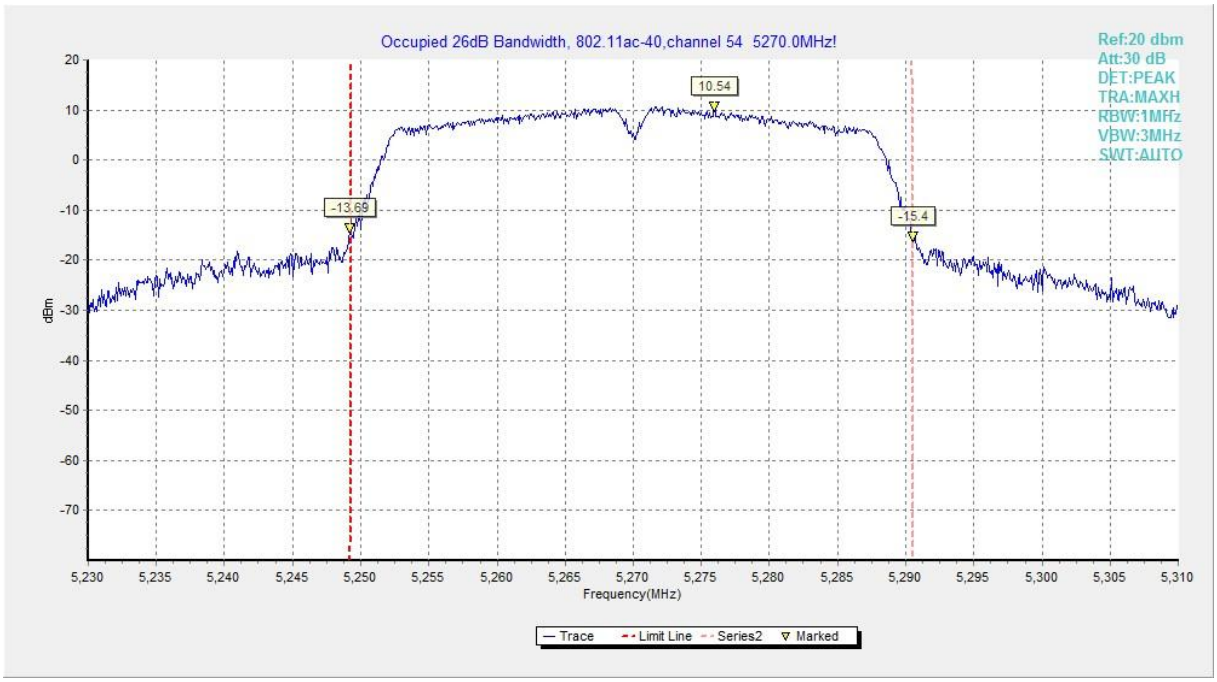


Fig. 37 Occupied 26dB Bandwidth (802.11ac-HT40, 5270MHz)

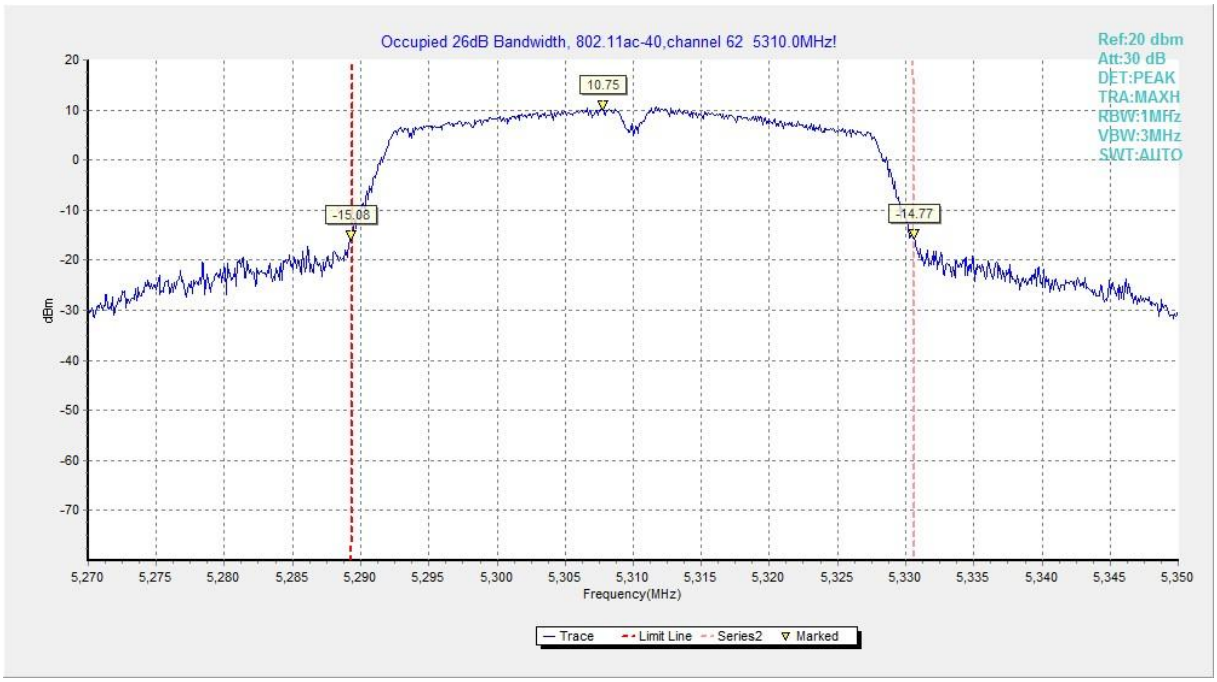


Fig. 38 Occupied 26dB Bandwidth (802.11ac-HT40, 5310MHz)

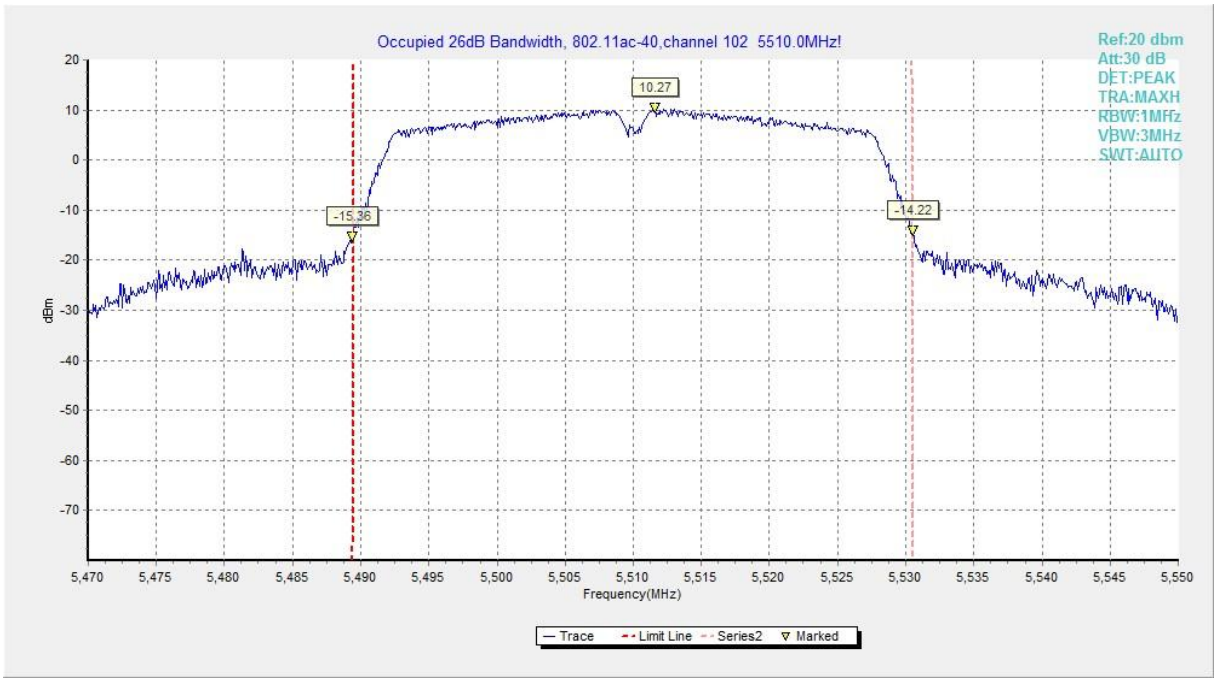


Fig. 39 Occupied 26dB Bandwidth (802. 11ac-HT40, 5510MHz)

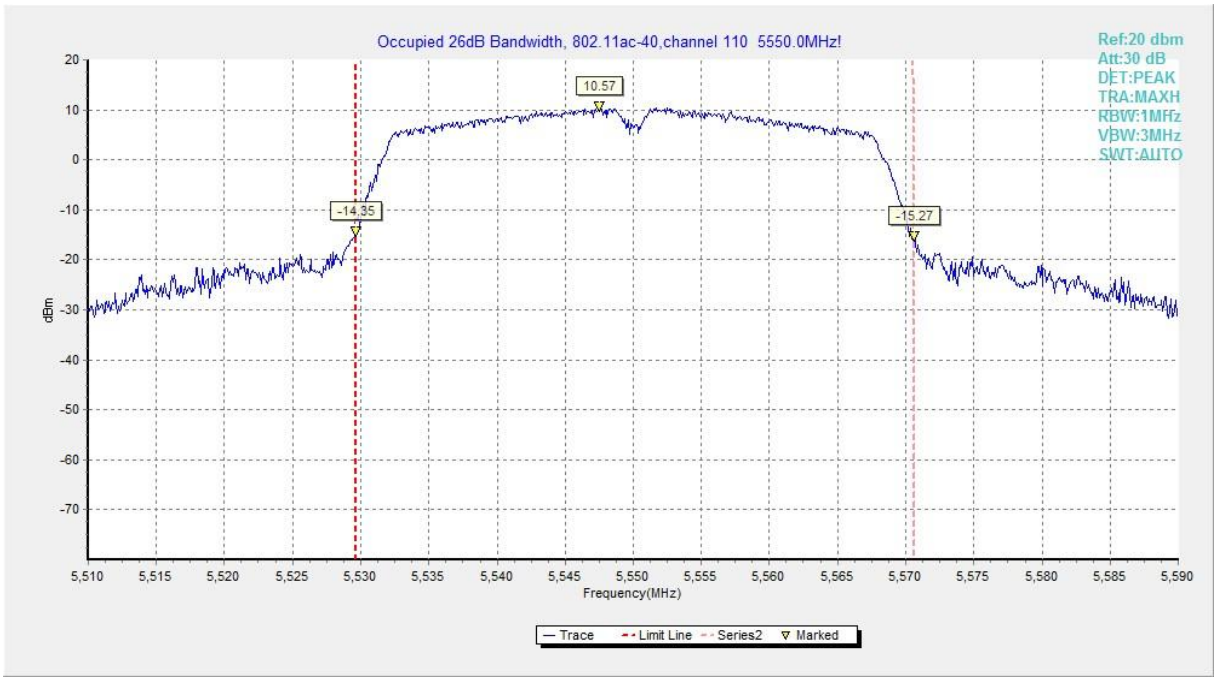


Fig. 40 Occupied 26dB Bandwidth (802. 11ac-HT40, 5550MHz)

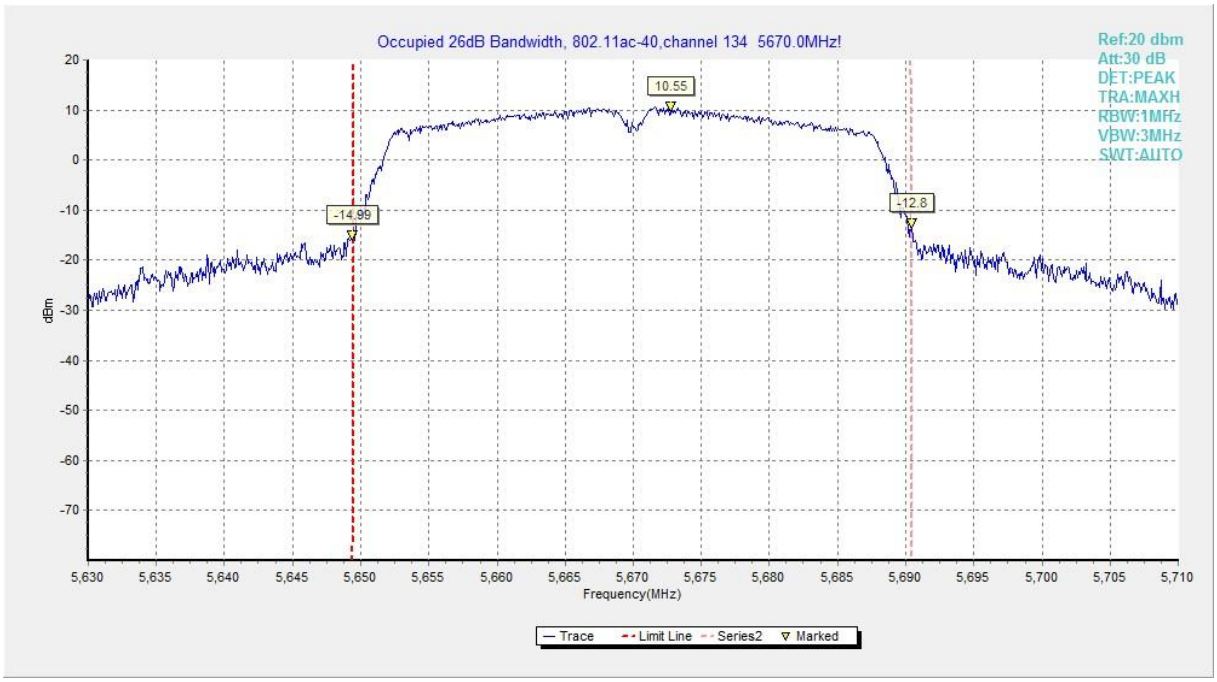


Fig. 41 Occupied 26dB Bandwidth (802. 11ac-HT40, 5670MHz)

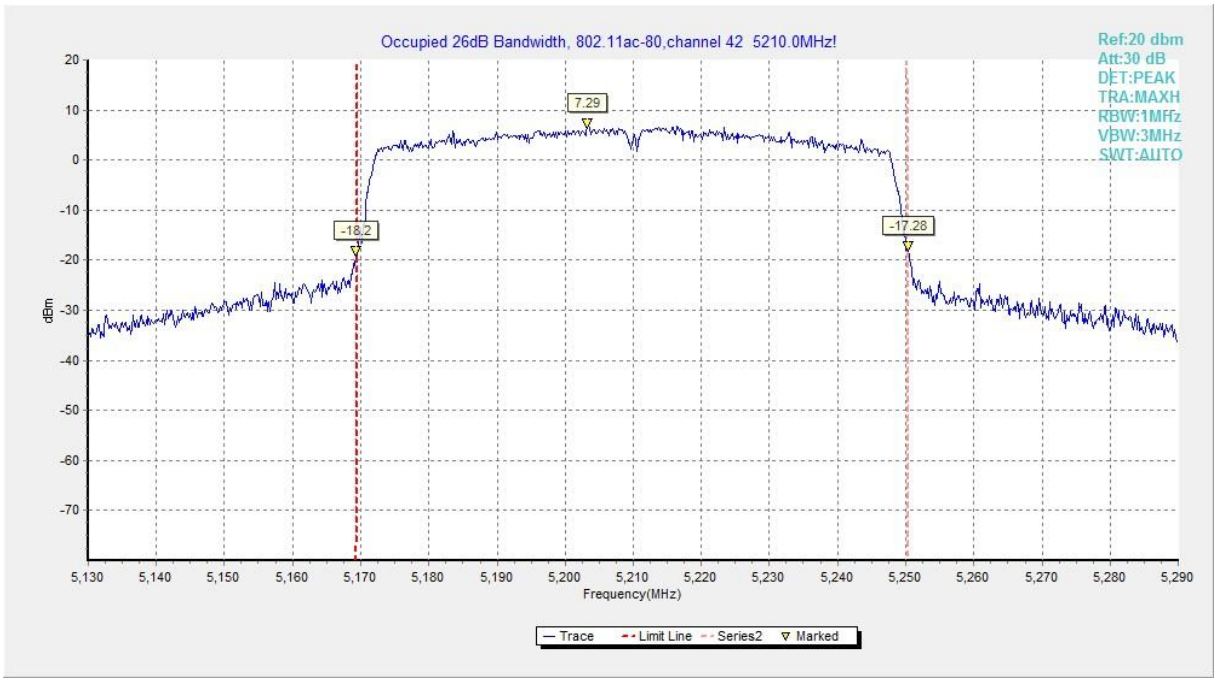


Fig. 42 Occupied 26dB Bandwidth (802.11ac-HT80, 5210MHz)

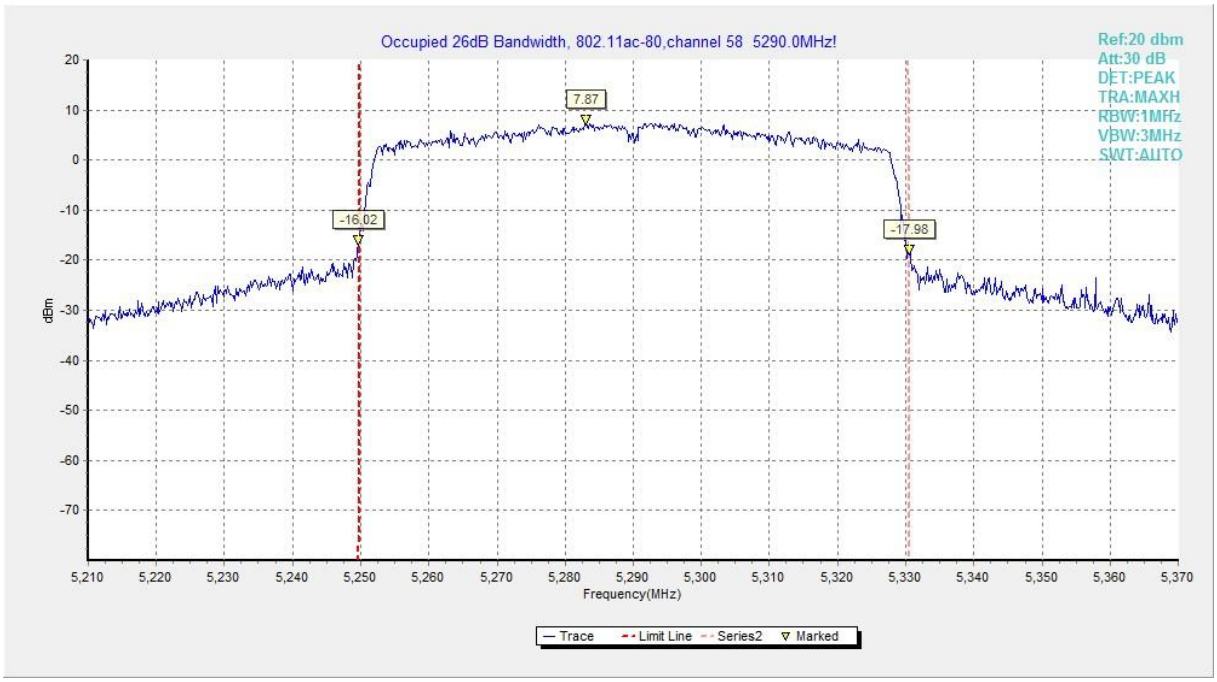


Fig. 43 Occupied 26dB Bandwidth (802.11ac-HT80, 5290MHz)

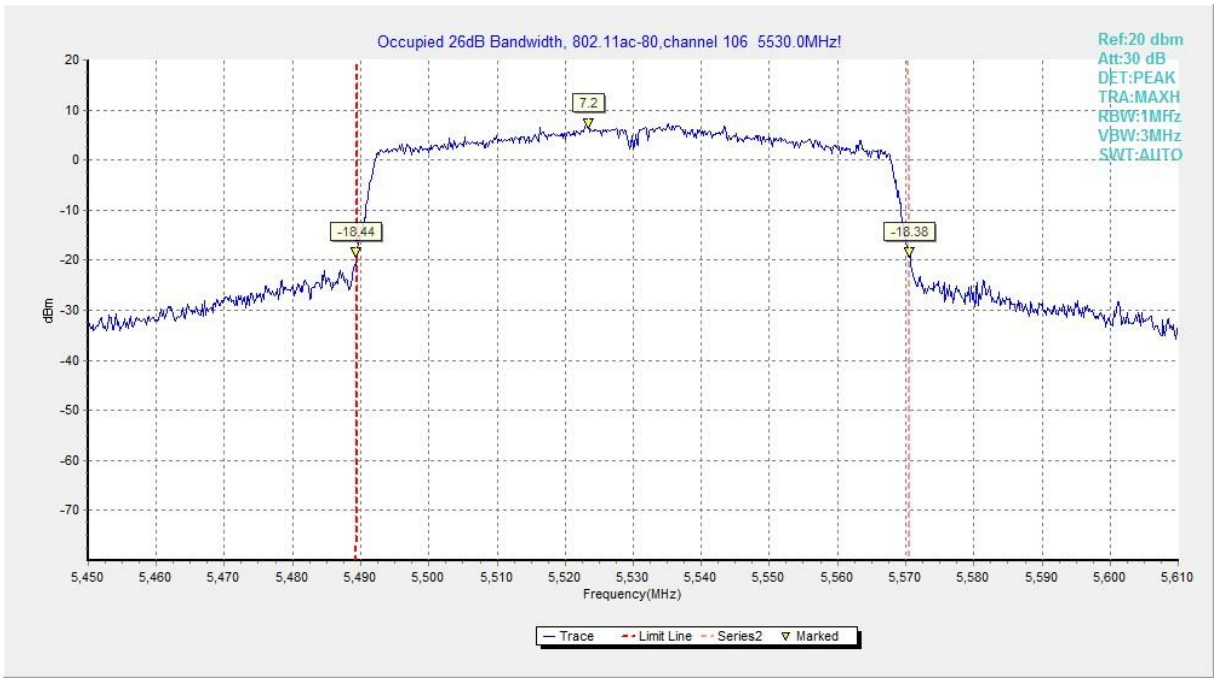


Fig. 44 Occupied 26dB Bandwidth (802.11ac-HT80, 5530MHz)

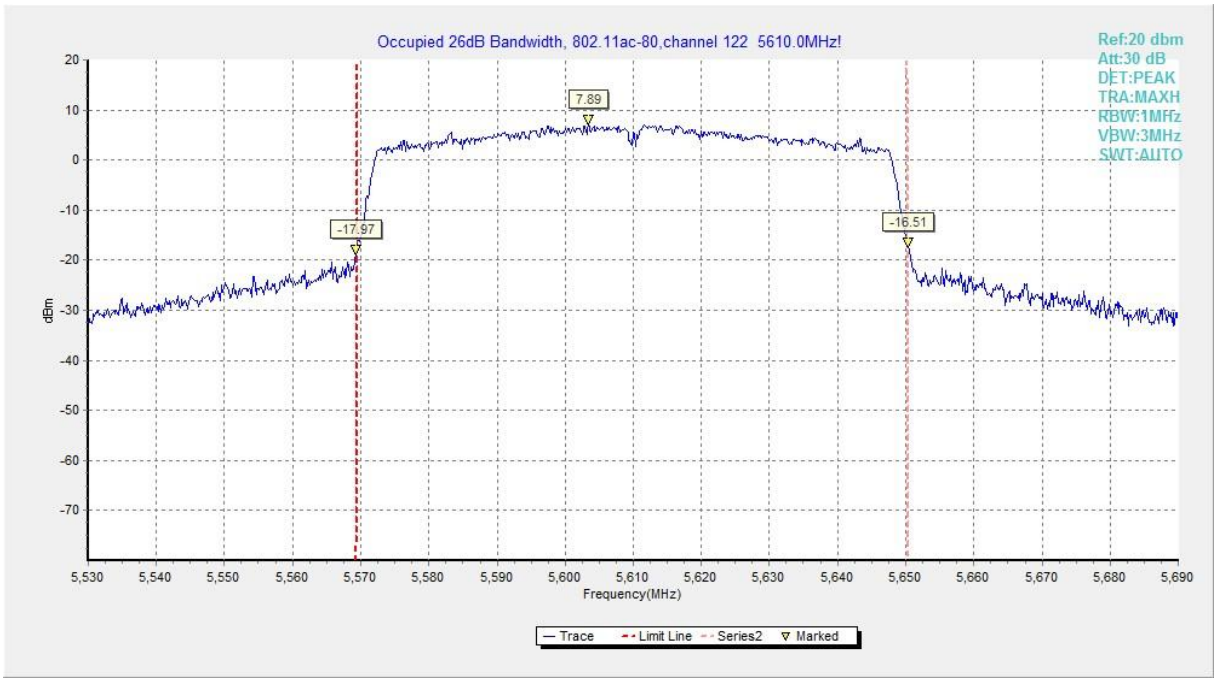


Fig. 45 Occupied 26dB Bandwidth (802. 11ac-HT80, 5610MHz)

A.5. Band Edges Compliance

A5.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit (dB μ V/m)	
FCC 47 CFR Part 15.209	Peak	74
	Average	54

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

Measurement Result:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.46	P
	5320 MHz	Fig.47	P
	5500 MHz	Fig.48	P
	5700 MHz	Fig.49	P
802.11n HT20	5180 MHz	Fig.50	P
	5320 MHz	Fig.51	P
	5500 MHz	Fig.52	P
	5700 MHz	Fig.53	P
802.11n HT40	5190 MHz	Fig.54	P
	5310 MHz	Fig.55	P
	5510 MHz	Fig.56	P
	5670 MHz	Fig.57	P
802.11ac HT80	5210MHz	Fig.58	P
	5290MHz	Fig.59	P

Conclusion: PASS

Test graphs as below:

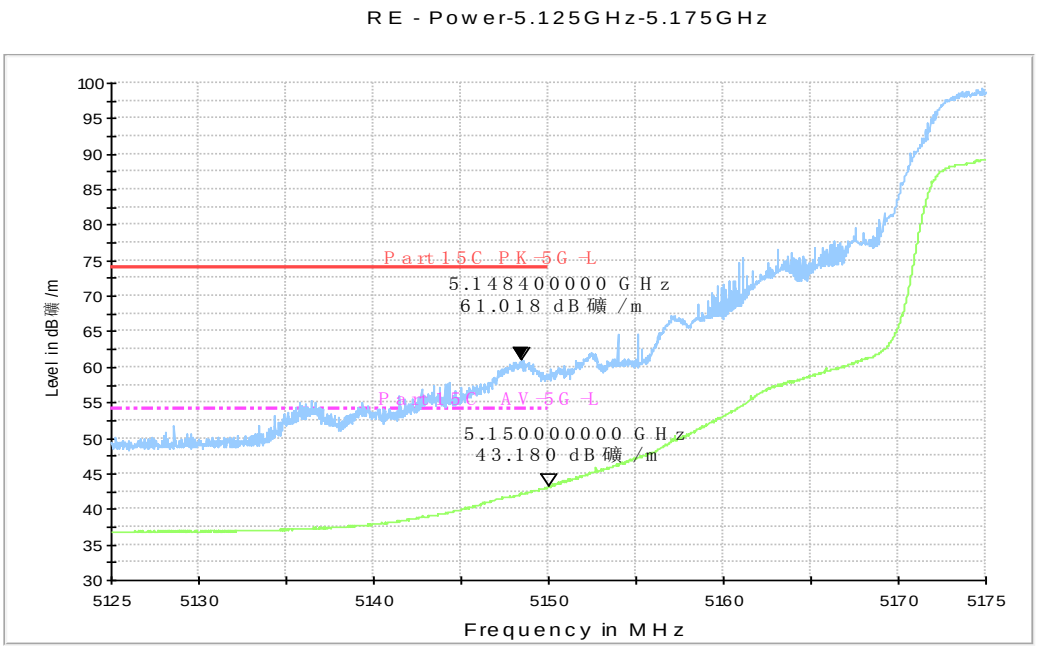


Fig. 46 Band Edges (802.11a, 5180MHz)

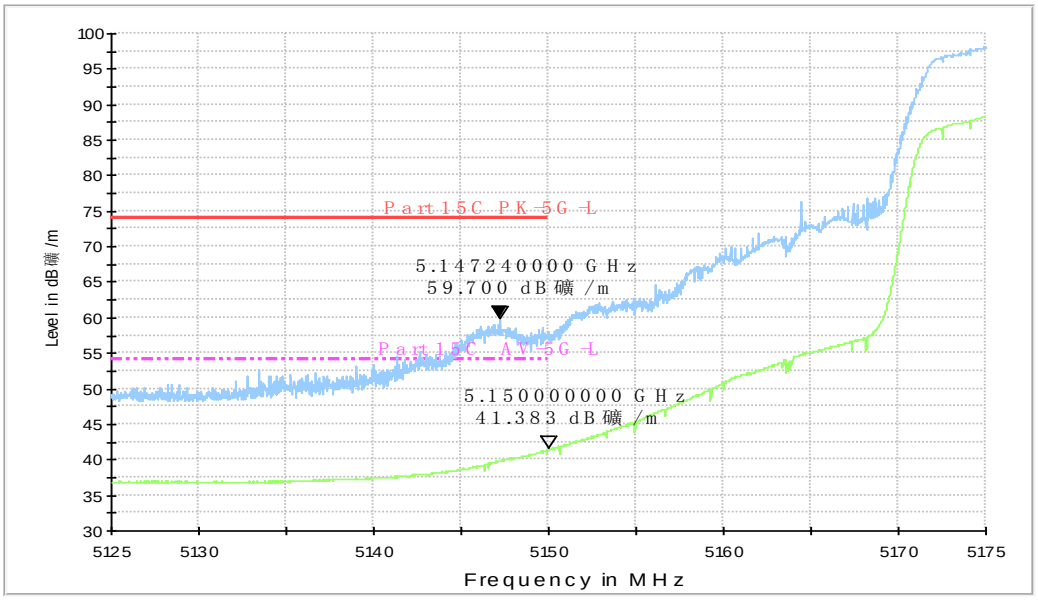


Fig. 47 Band Edges (802.11a, 5320MHz)

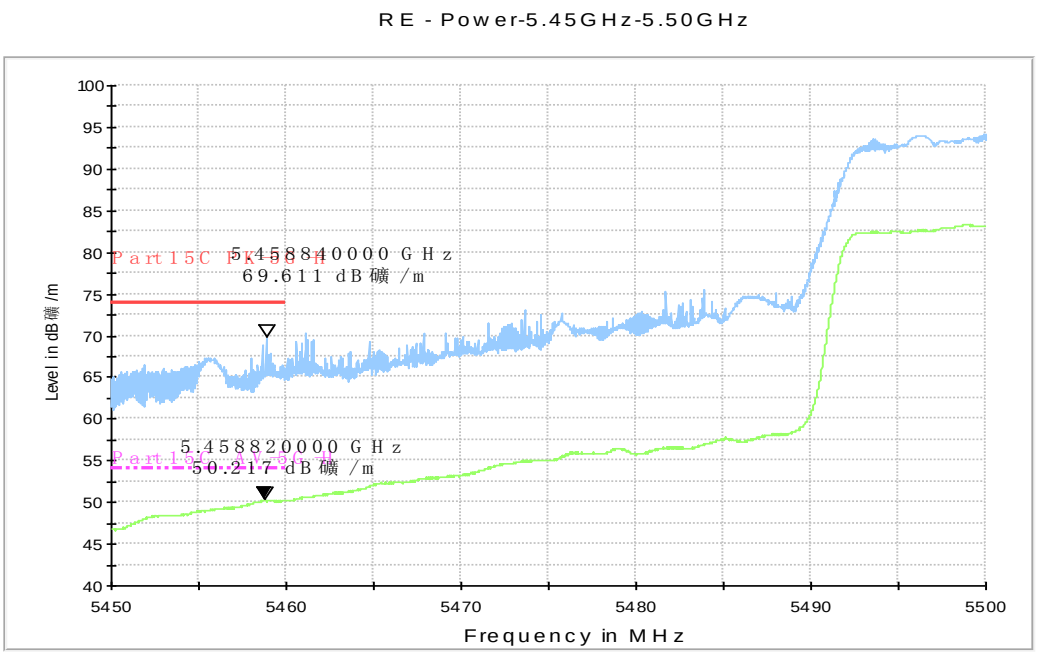


Fig. 48 Band Edges (802.11a, 5500MHz)

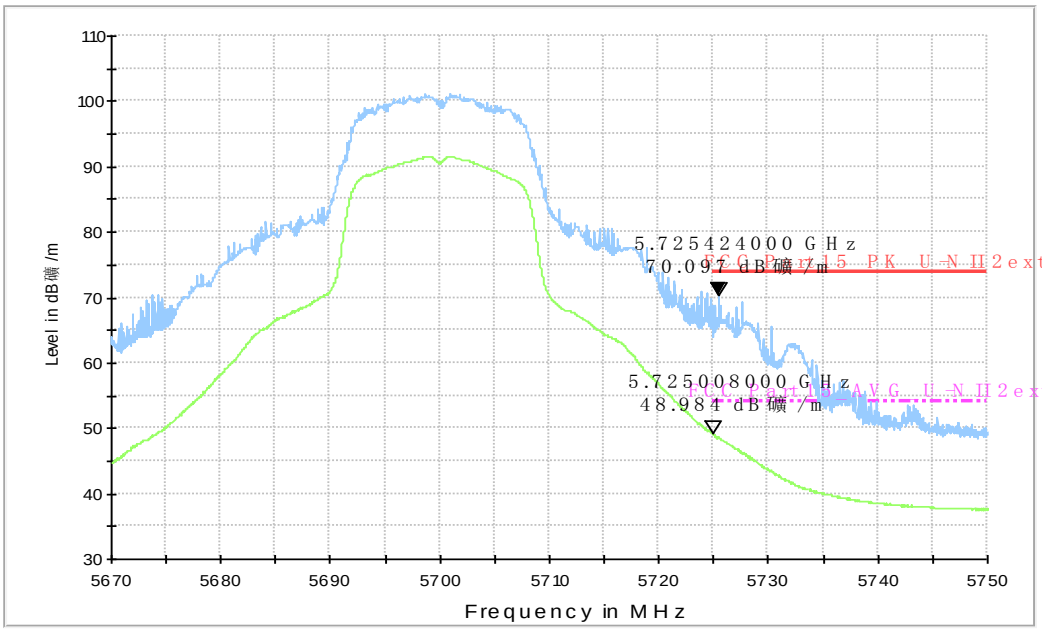


Fig. 49 Band Edges (802.11a, 5700MHz)

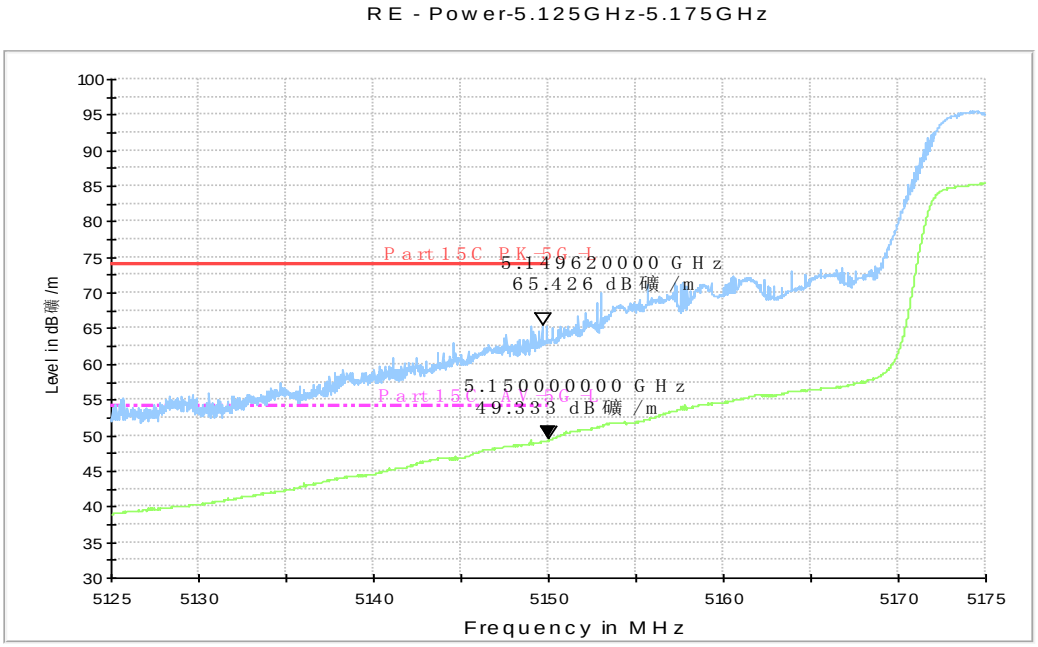


Fig. 50 Band Edges (802.11n-HT20, 5180MHz)

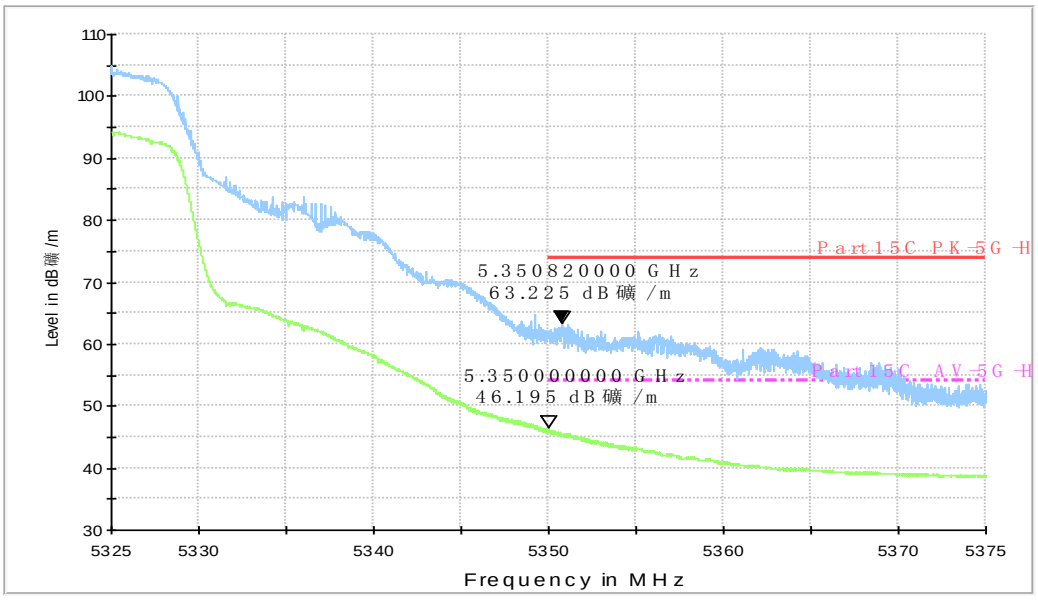


Fig. 51 Band Edges (802.11n-HT20, 5320MHz)

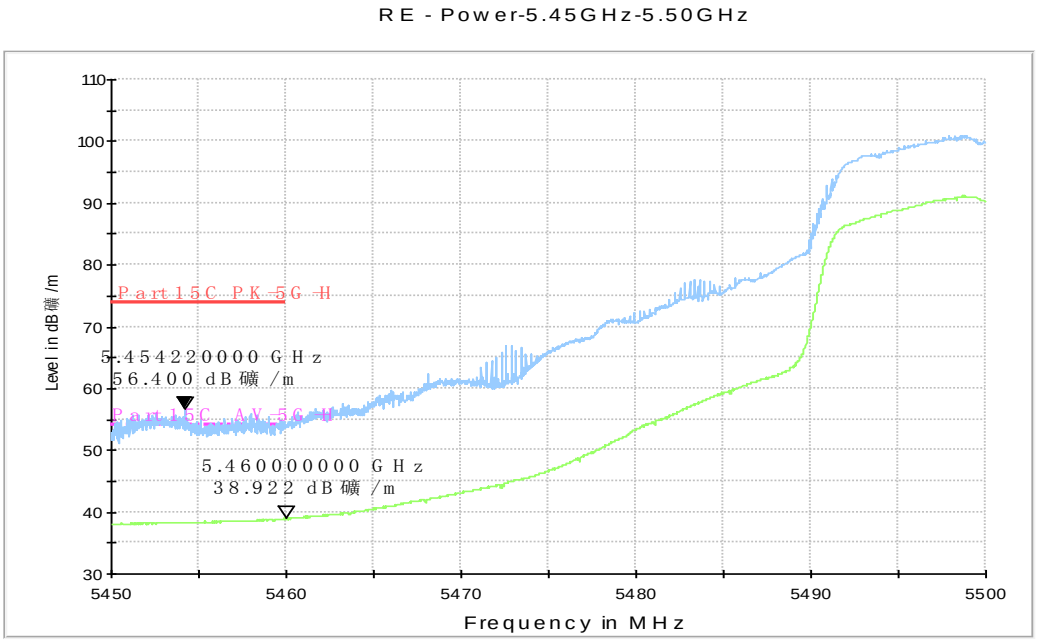


Fig. 52 Band Edges (802.11n-HT20, 5500MHz)

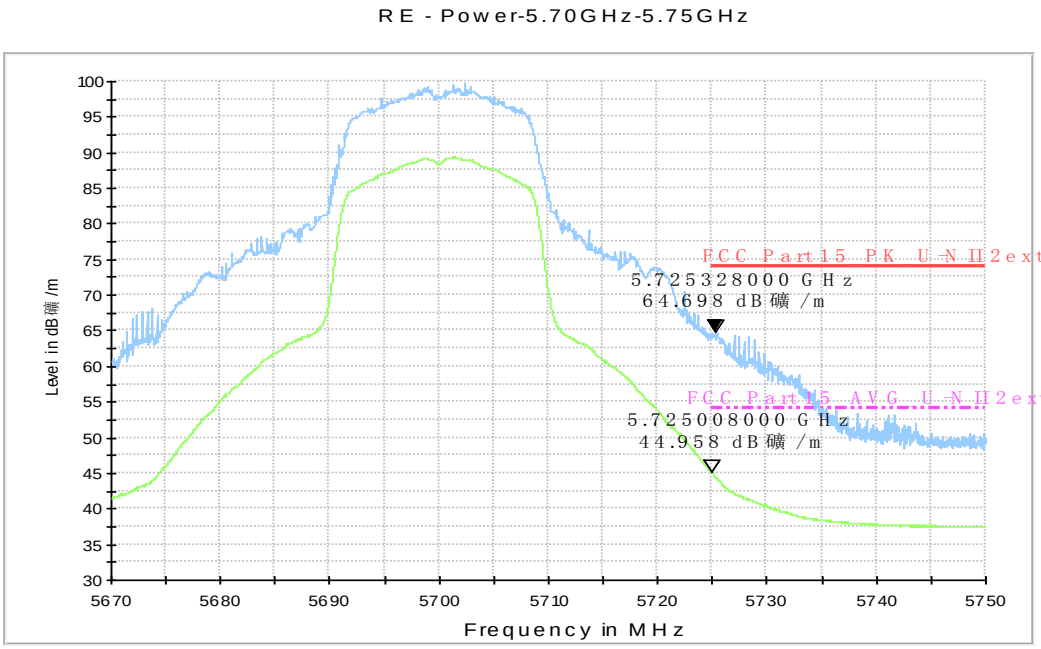


Fig. 53 Band Edges (802.11n-HT20, 5700MHz)

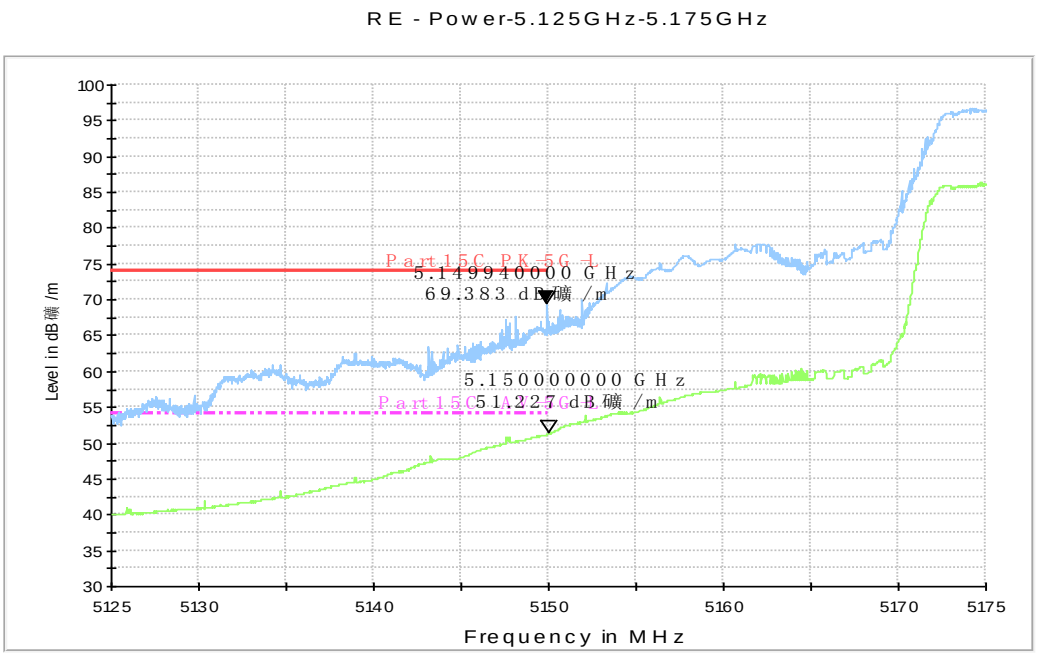


Fig. 54 Band Edges (802.11n-HT40, 5190MHz)

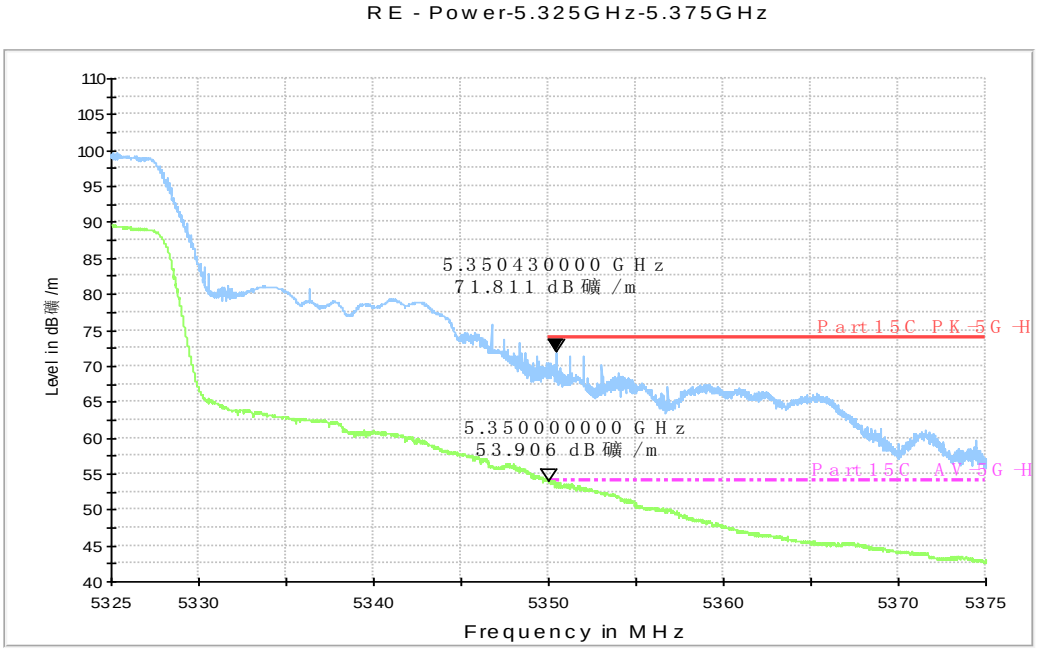


Fig. 55 Band Edges (802.11n-HT40, 5310MHz)

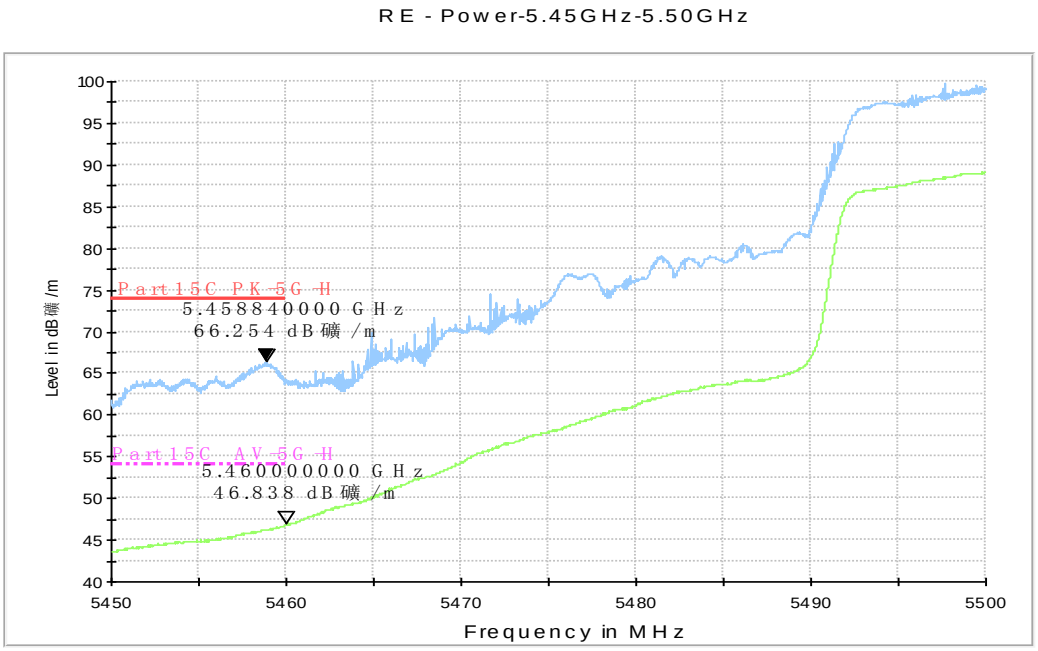


Fig. 56 Band Edges (802.11n-HT40, 5510MHz)

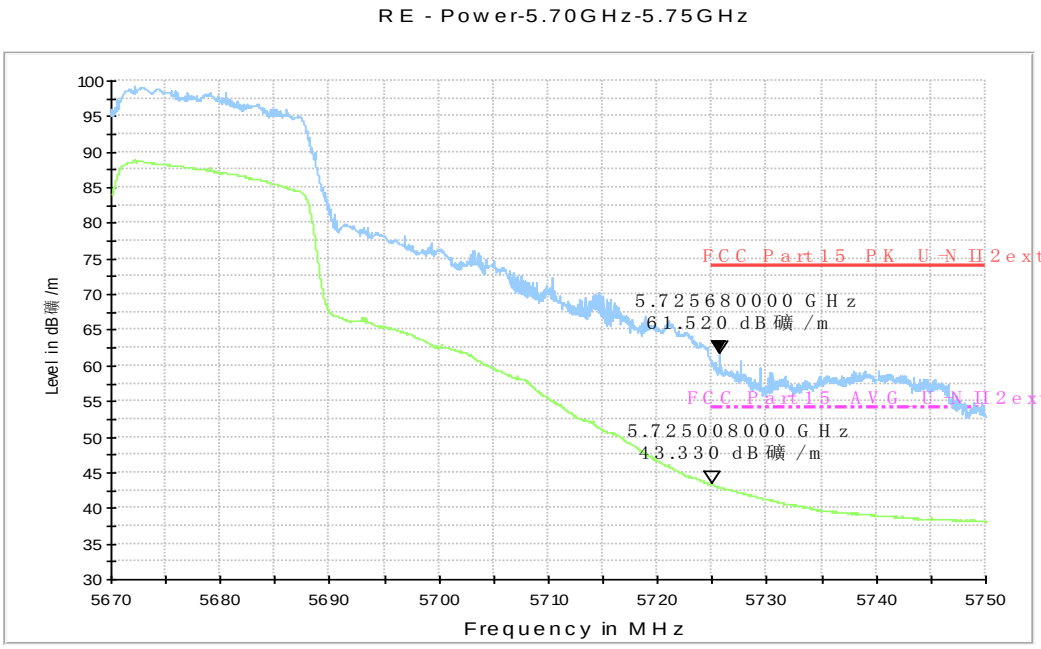


Fig. 57 Band Edges (802.11n-HT40, 5670MHz)

RE - Power-5.125GHz-5.175GHz

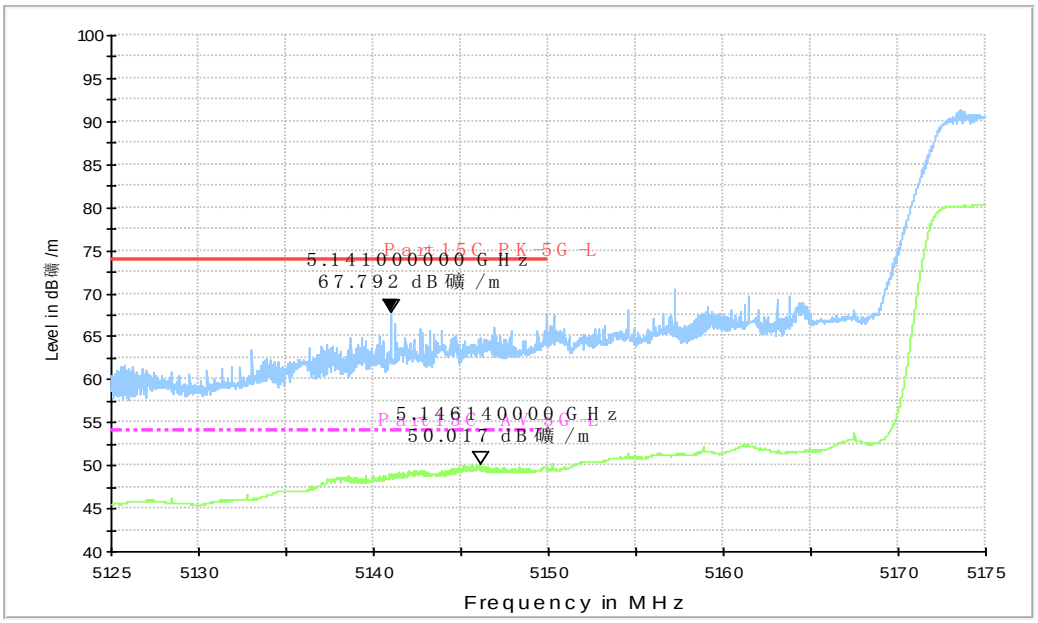


Fig. 58 Band Edges (802.11ac-HT80, 5210MHz)

RE - Power-5.325GHz-5.375GHz

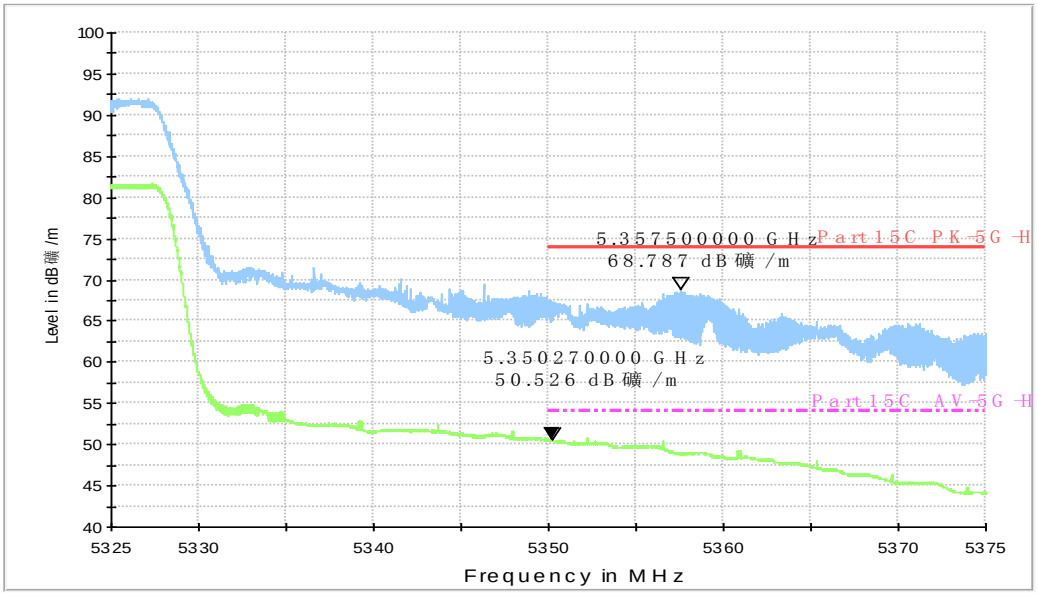


Fig. 59 Band Edges (802.11ac-HT80, 5290MHz)

A.6. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033
In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength(dBμV/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

Measurement uncertainty:
Expanded measurement uncertainty for this test item is U =3.9 dB, k=2.

Measurement Results:

802.11a

Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5148.600	39.1	-33.0	34.4	37.62	54.0	14.9	H
5149.800	40.2	-32.9	34.4	38.70	54.0	13.8	V
10360.000	34.1	-29.8	37.9	25.97	54.0	19.9	H
15540.000	36.5	-26.3	40.1	22.72	54.0	17.5	V
17806.400	40.3	-23.0	41.0	22.39	54.0	13.7	V
17810.400	40.2	-23.0	41.0	22.26	54.0	13.8	H

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5128.500	32.1	-33.2	34.4	30.83	54.0	21.9	V
5279.700	32.1	-32.2	34.4	29.85	54.0	21.9	V
10400.000	34.4	-29.6	38.0	26.03	54.0	19.6	V
15600.000	36.6	-26.4	40.1	22.82	54.0	17.4	H
17804.000	40.3	-23.1	41.0	22.42	54.0	13.7	H
17808.800	40.3	-23.0	41.0	22.35	54.0	13.7	H

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5137.200	31.2	-33.1	34.4	29.87	54.0	22.8	H
5358.300	31.9	-31.9	34.6	29.24	54.0	22.1	V
10480.000	33.4	-30.6	38.1	25.97	54.0	20.6	H
15720.000	35.4	-26.4	40.2	21.57	54.0	18.6	V
17803.200	40.3	-23.1	41.0	22.44	54.0	13.7	V
17808.000	40.2	-23.0	41.0	22.26	54.0	13.8	H

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5190.300	36.8	-32.5	34.4	34.83	54.0	17.2	V
5318.100	38.2	-32.0	34.5	35.65	54.0	15.8	H
10520.000	33.0	-30.9	38.1	25.80	54.0	21.0	H
15782.400	35.7	-26.3	40.2	21.81	54.0	18.3	V
17805.600	40.0	-23.1	41.0	22.10	54.0	14.0	H
17808.800	40.0	-23.0	41.0	22.05	54.0	14.0	H

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5231.400	37.6	-32.5	34.4	35.71	54.0	16.4	V
5331.600	38.7	-31.9	34.5	36.05	54.0	15.3	V
10560.000	33.9	-30.2	38.1	25.94	54.0	20.1	H
15837.400	36.6	-26.2	40.3	22.53	54.0	17.4	V
17805.600	40.2	-23.1	41.0	22.30	54.0	13.8	V
17808.000	40.3	-23.0	41.0	22.36	54.0	13.7	H

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.200	42.0	-31.9	34.6	39.30	54.0	12.0	V
5353.500	41.2	-31.9	34.6	38.52	54.0	12.8	H
10640.000	34.4	-29.3	38.2	25.55	54.0	19.6	V
15956.000	36.9	-25.8	40.4	22.28	54.0	17.1	V
17803.200	40.2	-23.1	41.0	22.34	54.0	13.8	H
17808.800	40.2	-23.0	41.0	22.25	54.0	13.8	H

Channel 100

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5460.000	39.9	-32.0	34.7	37.20	54.0	14.1	H
5459.200	39.6	-32.0	34.7	36.89	54.0	14.4	V
11000.000	34.1	-30.2	38.2	26.08	54.0	19.9	V
16500.000	37.3	-26.0	41.1	22.17	54.0	16.7	H
17795.200	40.1	-23.2	41.0	22.36	54.0	13.9	V
17802.400	40.3	-23.1	41.0	22.45	54.0	13.7	H

Channel 120

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5545.200	37.7	-32.5	34.8	35.37	54.0	16.3	V
5649.200	38.6	-32.6	34.9	36.29	54.0	15.4	V
11200.000	34.5	-30.1	38.4	26.22	54.0	19.5	H
16800.000	37.6	-26.2	41.5	22.28	54.0	16.4	H
17806.400	40.2	-23.0	41.0	22.29	54.0	13.8	H
17812.000	40.2	-23.0	41.0	22.28	54.0	13.8	H

Channel 140

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.200	47.4	-33.0	34.9	45.47	54.0	6.6	H
5725.600	46.9	-33.0	34.9	44.98	54.0	7.1	V
11400.000	34.3	-30.2	38.6	25.94	54.0	19.7	H
17100.000	38.2	-25.5	41.3	22.35	54.0	15.8	H
17799.200	40.2	-23.2	41.0	22.40	54.0	13.8	V
17809.600	40.3	-23.0	41.0	22.35	54.0	13.7	H

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5147.700	39.6	-33.0	34.4	38.13	54.0	14.4	H
5149.800	41.1	-32.9	34.4	39.60	54.0	12.9	V
10360.000	34.2	-29.8	37.9	26.07	54.0	19.8	H
15540.000	36.6	-26.3	40.1	22.82	54.0	17.4	V
17803.200	40.3	-23.1	41.0	22.44	54.0	13.7	H
17809.600	40.3	-23.0	41.0	22.35	54.0	13.7	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5174.100	35.9	-32.6	34.4	34.06	54.0	18.1	H
5252.100	36.4	-32.4	34.4	34.36	54.0	17.6	H
10400.000	34.4	-29.6	38.0	26.03	54.0	19.6	V
15600.000	36.8	-26.4	40.1	23.02	54.0	17.2	V
17802.400	40.2	-23.1	41.0	22.35	54.0	13.8	H
17809.600	40.2	-23.0	41.0	22.25	54.0	13.8	H

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5148.000	31.6	-33.0	34.4	30.13	54.0	22.4	H
5289.300	32.3	-32.1	34.5	29.96	54.0	21.7	V
10480.000	33.3	-30.6	38.1	25.87	54.0	20.7	H
15720.000	36.1	-26.4	40.2	22.27	54.0	17.9	V
17803.200	40.2	-23.1	41.0	22.34	54.0	13.8	H
17808.800	40.3	-23.0	41.0	22.35	54.0	13.7	V

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5220.000	37.2	-32.5	34.4	35.28	54.0	16.8	V
5342.400	37.8	-31.8	34.6	35.07	54.0	16.2	V
10520.000	33.1	-30.9	38.1	25.90	54.0	20.9	H
15782.400	35.7	-26.3	40.2	21.81	54.0	18.3	H
17801.600	40.2	-23.1	41.0	22.36	54.0	13.8	V
17808.000	40.2	-23.0	41.0	22.26	54.0	13.8	H

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5250.000	38.3	-32.4	34.4	36.32	54.0	15.7	H
5331.300	38.2	-31.9	34.5	35.55	54.0	15.8	H
10560.000	33.9	-30.2	38.1	25.94	54.0	20.1	V
15837.600	36.7	-26.2	40.3	22.62	54.0	17.3	H
17804.800	40.2	-23.1	41.0	22.31	54.0	13.8	H
17808.800	40.2	-23.0	41.0	22.25	54.0	13.8	V

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.500	38.6	-31.9	34.6	35.91	54.0	15.4	H
5353.200	38.3	-31.9	34.6	35.62	54.0	15.7	V
10640.000	34.2	-29.3	38.2	25.35	54.0	19.8	H
15960.000	36.9	-25.8	40.5	22.26	54.0	17.1	V
17801.600	40.2	-23.1	41.0	22.36	54.0	13.8	H
17808.000	40.2	-23.0	41.0	22.26	54.0	13.8	H

Channel 100

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5460.000	38.0	-32.0	34.7	35.30	54.0	16.0	H
5659.200	38.0	-32.5	34.9	35.66	54.0	16.0	V
11000.000	34.2	-30.2	38.2	26.18	54.0	19.8	H
16500.000	37.3	-26.0	41.1	22.17	54.0	16.7	V
17807.200	40.4	-23.0	41.0	22.47	54.0	13.6	H
17809.600	40.3	-23.0	41.0	22.35	54.0	13.7	V

Channel 120

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5553.600	37.3	-32.5	34.8	35.01	54.0	16.7	V
5644.000	37.7	-32.6	34.9	35.41	54.0	16.3	H
11200.000	34.4	-30.1	38.4	26.12	54.0	19.6	V
16800.000	37.6	-26.2	41.5	22.28	54.0	16.4	V
17806.400	40.3	-23.0	41.0	22.39	54.0	13.7	H
17812.000	40.3	-23.0	41.0	22.38	54.0	13.7	H

Channel 140

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.200	43.4	-33.0	34.9	41.47	54.0	10.6	V
5725.600	42.7	-33.0	34.9	40.78	54.0	11.3	H
11400.000	34.4	-30.2	38.6	26.04	54.0	19.6	V
17100.000	38.2	-25.5	41.3	22.35	54.0	15.8	V
17803.200	40.3	-23.1	41.0	22.44	54.0	13.7	H
17808.800	40.3	-23.0	41.0	22.35	54.0	13.7	V

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5148.300	48.3	-33.0	34.4	46.82	54.0	5.7	V
5149.500	49.0	-32.9	34.4	47.50	54.0	5.0	H
10380.000	34.4	-29.7	38.0	26.15	54.0	19.6	V
15569.600	36.6	-26.3	40.1	22.82	54.0	17.4	H
17806.400	40.3	-23.0	41.0	22.39	54.0	13.7	V
17808.800	40.3	-23.0	41.0	22.35	54.0	13.7	V

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5149.700	32.6	-32.9	34.4	31.10	54.0	21.4	V
5303.700	33.1	-32.0	34.5	30.65	54.0	20.9	V
10460.000	33.4	-30.4	38.1	25.71	54.0	20.6	H
15689.600	36.2	-26.4	40.2	22.39	54.0	17.8	V
17803.200	40.3	-23.1	41.0	22.44	54.0	13.7	V
17811.200	40.3	-23.0	41.0	22.37	54.0	13.7	H

Channel 54

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5218.800	38.3	-32.5	34.4	36.38	54.0	15.7	V
5355.600	37.5	-31.9	34.6	34.83	54.0	16.5	V
10540.000	33.7	-30.5	38.1	26.12	54.0	20.3	V
15810.400	36.5	-26.3	40.3	22.55	54.0	17.5	H
17805.600	40.3	-23.1	41.0	22.40	54.0	13.7	H
17810.400	40.3	-23.0	41.0	22.36	54.0	13.7	V

Channel 62

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	51.9	-31.9	34.6	49.20	54.0	2.1	V
5351.200	51.4	-31.9	34.6	48.71	54.0	2.6	V
10620.000	34.4	-29.2	38.1	25.42	54.0	19.6	H
15930.400	36.9	-25.9	40.4	22.39	54.0	17.1	V
17803.200	40.2	-23.1	41.0	22.34	54.0	13.8	H
17808.000	40.4	-23.0	41.0	22.46	54.0	13.6	H

Channel 102

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5455.600	40.4	-32.0	34.7	37.68	54.0	13.6	H
5460.000	40.7	-32.0	34.7	37.96	54.0	13.3	V
11020.000	34.4	-30.4	38.2	26.58	54.0	19.6	V
16529.600	37.2	-26.0	41.1	22.01	54.0	16.8	H
17804.000	40.3	-23.1	41.0	22.42	54.0	13.7	V
17808.800	40.3	-23.0	41.0	22.35	54.0	13.7	H

Channel 118

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5450.800	36.9	-32.0	34.7	34.19	54.0	17.1	H
5743.200	36.5	-32.9	34.9	34.54	54.0	17.5	H
11180.000	34.6	-30.0	38.3	26.24	54.0	19.4	V
16770.400	37.3	-26.2	41.5	22.03	54.0	16.7	V
17805.600	40.4	-23.1	41.0	22.50	54.0	13.6	H
17810.400	40.4	-23.0	41.0	22.46	54.0	13.6	H

Channel 134

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5738.700	36.1	-32.9	34.9	34.09	54.0	17.9	V
5743.200	36.1	-32.9	34.9	34.09	54.0	17.9	H
11340.000	34.5	-30.3	38.5	26.27	54.0	19.5	V
17010.400	38.2	-25.6	41.4	22.39	54.0	15.8	V
17807.200	40.3	-23.0	41.0	22.37	54.0	13.7	H
17808.800	40.3	-23.0	41.0	22.35	54.0	13.7	V

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Channel 42

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5145.600	46.3	-32.6	34.8	44.07	54.0	7.7	H
5143.200	45.6	-32.1	35.2	42.59	54.0	8.4	V
10420.000	34.5	-29.8	38.0	26.28	54.0	19.5	V
15629.600	35.7	-26.4	40.2	21.92	54.0	18.3	H
17806.400	40.4	-23.0	41.0	22.49	54.0	13.6	V
17808.000	40.3	-23.0	41.0	22.36	54.0	13.7	H

Channel 58

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5352.320	46.2	-32.6	34.8	44.02	54.0	7.8	V
5354.690	46.2	-32.1	35.2	43.14	54.0	7.8	V
10580.000	34.6	-29.8	38.1	26.26	54.0	19.4	H
15869.600	36.7	-26.1	40.3	22.48	54.0	17.3	V
17800.800	40.2	-23.1	41.0	22.37	54.0	13.8	V
17804.800	40.3	-23.1	41.0	22.41	54.0	13.7	H

Channel 106

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5451.230	42.4	-32.6	34.8	40.15	54.0	11.6	V
5453.680	42.2	-32.1	35.2	39.12	54.0	11.8	V
11060.000	34.2	-30.6	38.2	26.52	54.0	19.8	H
16590.400	36.9	-25.9	41.2	21.57	54.0	17.1	V
17803.200	40.4	-23.1	41.0	22.54	54.0	13.6	H
17807.200	40.4	-23.0	41.0	22.47	54.0	13.6	H

PEAK Results:

802.11a

Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5148.000	60.7	-33.0	34.4	59.23	74.0	13.3	H
5148.400	61.0	-33.0	34.4	59.52	74.0	13.0	H
17803.650	53.1	-23.1	41.0	35.22	74.0	20.9	H
17793.750	52.9	-23.2	41.0	35.17	74.0	21.1	V
17763.500	52.8	-23.7	41.0	35.57	74.0	21.2	V
17816.300	52.5	-23.1	40.9	34.63	74.0	21.5	H

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5135.800	52.1	-33.1	34.4	50.79	74.0	21.9	H
5218.800	51.0	-32.5	34.4	49.08	74.0	23.0	V
17815.750	53.2	-23.1	40.9	35.29	74.0	20.8	H
17811.350	52.4	-23.0	41.0	34.43	74.0	21.6	V
17895.500	52.3	-24.1	40.9	35.57	74.0	21.7	H
17896.600	52.3	-24.2	40.9	35.57	74.0	21.7	H

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5162.400	49.3	-32.8	34.4	47.63	74.0	24.7	V
5351.200	49.7	-31.9	34.6	47.01	74.0	24.3	V
17846.000	53.6	-23.5	40.9	36.12	74.0	20.4	H
17940.600	52.7	-24.8	40.8	36.59	74.0	21.3	V
17815.200	52.4	-23.1	40.9	34.56	74.0	21.6	V
17838.850	52.4	-23.4	40.9	34.86	74.0	21.6	H

Channel 52

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5193.800	50.2	-32.5	34.4	48.24	74.0	23.8	H
5329.800	52.6	-31.9	34.5	49.97	74.0	21.4	H
17810.800	52.4	-23.0	41.0	34.42	74.0	21.6	V
17925.200	52.2	-24.5	40.9	35.93	74.0	21.8	V
17826.200	52.2	-23.2	40.9	34.52	74.0	21.8	V
17885.050	52.1	-24.0	40.9	35.21	74.0	21.9	V

Channel 56

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5230.600	54.3	-32.5	34.4	52.40	74.0	19.7	H
5333.600	56.2	-31.9	34.5	53.54	74.0	17.8	H
17853.700	52.1	-23.6	40.9	34.81	74.0	21.9	V
17814.100	52.0	-23.1	40.9	34.16	74.0	22.0	V
17824.000	52.0	-23.2	40.9	34.23	74.0	22.0	V
17771.200	51.9	-23.6	41.0	34.58	74.0	22.1	H

Channel 64

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5352.800	64.0	-31.9	34.6	61.31	74.0	10.0	H
5353.600	64.2	-31.9	34.6	61.52	74.0	9.8	V
17805.850	52.1	-23.1	41.0	34.22	74.0	21.9	H
17816.300	52.1	-23.1	40.9	34.22	74.0	21.9	V
17798.700	52.1	-23.2	41.0	34.28	74.0	21.9	V
17831.150	52.1	-23.3	40.9	34.41	74.0	21.9	V