

**FCC PART 15
TEST REPORT
No.I21Z62289-IOT05**

for

Lenovo (Shanghai) Electronics Technology Co., Ltd.

Portable Tablet Computer

Lenovo TB-J606L

With

FCC ID: O57TBJ606L

Hardware Version: Lenovo TB-J606L

Software Version: TB-J606L_RF01_210805

Issued Date: 2021-12-09

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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

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REPORT HISTORY

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1. TEST LABORATORY

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2005 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (CN0066). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Testing Location: CTTL(huayuan North Road)

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

1.3. Testing Environment

Normal Temperature: 15-35℃
Relative Humidity: 20-75%

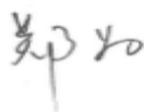
1.4. Project date

Testing Start Date: 2020-09-28
Testing End Date: 2021-12-09

1.5. Signature



Xie Xiuzhen
(Prepared this test report)



Zheng Wei
(Reviewed this test report)



Hu Xiaoyu
(Approved this test report)

2. CLIENT INFORMATION

2.1 Applicant Information

Company Name: Lenovo (Shanghai) Electronics Technology Co., Ltd.
Address: Section 304-305, Building No. 4, # 222, Meiyue Road, China
(Shanghai) Pilot Free Trade Zone
City: Shanghai
Postal Code: /
Country: China
Telephone: +86 18116118237
Fax: /

2.2 Manufacturer Information

Company Name: Lenovo PC HK Limited
Address: 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay,
Hong Kong, P.R.China
City: Hong Kong
Postal Code: /
Country: China
Telephone: +86 18116118237
Fax: /

3. EQUIPMENT UNDER TEST (EUT) AND

ANCILLARY EQUIPMENT (AE)

3.1. About EUT

Description	Portable Tablet Computer
Model name	Lenovo TB-J606L
FCC ID	O57TBJ606L
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Voltage	3.8V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
EUT1	/	Lenovo TB-J606L	TB-J606L_RF01_20090 8
EUT2	/	Lenovo TB-J606L	TB-J606L_RF01_20090 8
EUT3	/	Lenovo TB-J606L	TB-J606L_RF01_20090 8
EUT4	863025056877957	Lenovo TB-J606L	TB-J606L_RF01_21080 5
EUT5	863025056877916	Lenovo TB-J606L	TB-J606L_RF01_21080 5

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

3.3. Internal Identification of AE used during the test

AE ID*	Description
AE1-1	Charger
AE1-2	Charger
AE8	USB Cable
AE15	USB Cable
AE9	Battery

AE1-1

Model	MC-201
Manufacturer	Acbel
Length of cable	/

AE1-2

Model MC-201
 Manufacturer Chongyang
 Length of cable /

AE8

Model S50B-05200100
 Manufacturer Saibao
 Length of cable /

AE15

Model L50B-05200100
 Manufacturer Liqi
 Length of cable /

AE9

Model L20D2P32
 Manufacturer SCUD
 Capacitance 7500mAh
 Nominal voltage 3.86V

*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 Portable Tablet Computer with integrated antenna and inbuilt battery.

It has Bluetooth (EDR)function.

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

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	2018
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	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12
KDB 558074 D01	Federal Communications Commission Office of Engineering and Technology Laboratory Division GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES	2019

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
Peak Power Spectral Density	15.407	/	P
Occupied 26dB Bandwidth	15.403	/	P
Band edge compliance (Radiated)	15.209	/	P
Transmitter spurious emissions (Radiated)	15.407	/	P
AC Powerline Conducted Emission (150kHz- 30MHz)	15.407	/	P
99% Occupied bandwidth	/	/	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.

All the test results are derived from test report No.I20Z61670-IOT11, except the result of output power,transmitter spurious emission-radiated,ac power-line conducted emission.

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°C
Voltage	3.8V
Humidity	44%

7. TEST EQUIPMENTS UTILIZED

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	1 year	2022-05-24
2	LISN	ENV216	101200	R&S	1 year	2022-05-30
3	Test Receiver	ESCI	100344	R&S	1 year	2022-02-23
4	Shielding Room	S81	/	ETS-Lindgren	/	/
5	Attenuator	10dB/2W	/	Rosenberger	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	FSW67	103290	Rohde & Schwarz	1 year	2022-01-20
2	BiLog Antenna	VULB9163	9163-1223	Schwarzbeck	1 year	2022-03-22
3	Dual-Ridge Waveguide Horn Antenna	3115	00167250	ETS-Lindgren	1 year	2022-07-01

8. Measurement Uncertainty

8.1 Transmitter Output Power

Measurement Uncertainty: 0.387dB,k=1.96

8.2 Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

8.3 Occupied Channel Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4 Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5 Spurious Emissions

Conducted (k=1.96)

Frequency Range	Uncertainty(dB)
$30\text{MHz} \leq f \leq 2\text{GHz}$	1.22
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	1.22
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.22
$8\text{GHz} \leq f \leq 12.75\text{GHz}$	1.51
$12.75\text{GHz} \leq f \leq 26\text{GHz}$	1.51
$26\text{GHz} \leq f \leq 40\text{GHz}$	1.59

Radiated (k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	/
$30\text{MHz} \leq f \leq 1\text{GHz}$	4.86
$1\text{GHz} \leq f \leq 18\text{GHz}$	5.26
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.28

8.6 AC Power-line Conducted Emission

Measurement Uncertainty : 3.10dB,k=2

ANNEX A: EUT parameters

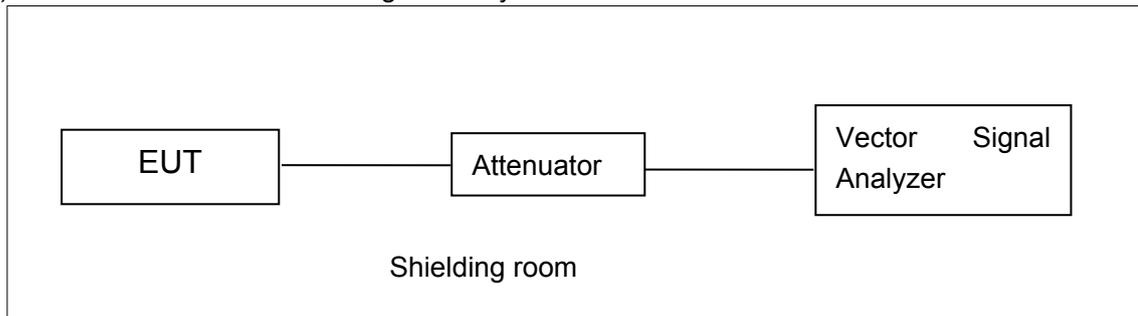
Disclaimer: the worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX B: MEASUREMENT RESULTS

B.1. Measurement Method

B.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

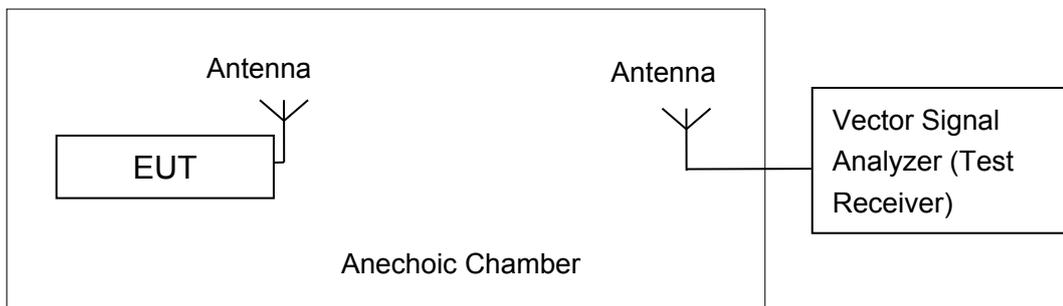


B.1.2. Radiated Emission Measurements

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.

B.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-2 is made according to KDB 789033

Note:

For straddle channel 20MHz Bandwidth 5720MHz, Conducted Output Power Limit:

802.11a=11+10*log(B)=23.31, B=24.05/2+5=17.025MHz,

802.11n-HT20=11+10*log(B)=23.42, B=24.85/2+5=17.425MHz,

802.11ac-VHT20=11+10*log(B)=23.36, B=25.00/2+5=17.5MHz,

For straddle channel 40/80MHz Bandwidth, conducted output power limit=24 dBm

802.11n-HT40: B=40.48/2+15=35.24MHz,

802.11ac-VHT40: B=40.64/2+15=35.32MHz,

802.11ac-VHT80: B=82.88/2+35=76.44MHz,

Measurement Results:

802.11a mode

Mode	Rate	Test Result (dBm)									
		Frequency (MHz)									
		5180	5200	5240	5260	5280	5320	5500	5580	5700	5720
802.11a	6Mbps	14.25	14.36	14.71	14.17	14.28	14.33	14.91	14.86	13.79	14.45

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

802.11n-HT20 mode

Mode	Rate	Test Result (dBm)									
		Frequency (MHz)									
		5180	5200	5240	5260	5280	5320	5500	5580	5700	5720
802.11n(HT20)	MCS0	13.80	13.57	13.19	13.37	13.51	13.64	14.25	14.20	13.99	14.23

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

802.11ac-HT20 mode

Mode	Rate	Test Result (dBm)									
		Frequency (MHz)									
		5180	5200	5240	5260	5280	5320	5500	5580	5700	5720
802.11ac(HT20)	MCS0	13.82	13.21	13.91	14.15	14.28	14.37	14.93	14.92	13.82	14.02

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

this condition.

802.11n-HT40 mode

Mode	Rate	Test Result (dBm)							
		Frequency (MHz)							
		5190	5230	5270	5310	5510	5550	5670	5710
802.11n(HT40)	MCS0	13.70	13.26	13.80	14.12	14.72	14.81	13.99	13.98

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

802.11ac-HT40 mode

Mode	Rate	Test Result (dBm)							
		Frequency (MHz)							
		5190	5230	5270	5310	5510	5550	5670	5710
802.11ac(HT40)	MCS0	13.24	13.87	13.50	13.69	14.30	14.40	13.58	13.80

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

802.11ac-HT80 mode

Mode	Rate	Test Result (dBm)				
		Frequency (MHz)				
		5210	5290	5530	5610	5690
802.11ac(HT80)	MCS0	13.94	13.91	14.69	14.44	14.68

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

B.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 Section F is made according to KDB 789033

Measurement Results:

Mode	Frequency	Power Spectral Density (dBm/MHz)	Conclusion
802.11a	5180 MHz	5.02	P
	5200 MHz	5.14	P
	5240 MHz	4.87	P
	5260 MHz	3.76	P
	5280 MHz	4.68	P
	5320 MHz	5.01	P
	5500 MHz	5.22	P
	5580 MHz	5.15	P
	5700 MHz	5.14	P
	5720 MHz	5.27	P
802.11n HT20	5180 MHz	3.64	P
	5200 MHz	3.62	P
	5240 MHz	3.43	P
	5260 MHz	3.31	P
	5280 MHz	3.21	P
	5320 MHz	3.44	P
	5500 MHz	3.72	P
	5580 MHz	3.58	P
	5700 MHz	3.74	P
	5720 MHz	3.85	P
802.11ac HT20	5180 MHz	4.55	P
	5200 MHz	4.68	P
	5240 MHz	4.41	P
	5260 MHz	4.29	P
	5280 MHz	4.21	P
	5320 MHz	4.51	P
	5500 MHz	4.75	P
	5580 MHz	4.70	P
	5700 MHz	4.66	P
	5720 MHz	4.81	P
802.11n	5190 MHz	1.81	P

HT40	5230 MHz	1.73	P
	5270 MHz	1.46	P
	5310 MHz	1.45	P
	5510 MHz	2.00	P
	5550 MHz	1.92	P
	5670 MHz	2.27	P
	5710 MHz	1.87	P
802.11ac HT40	5190 MHz	1.35	P
	5230 MHz	1.33	P
	5270 MHz	0.90	P
	5310 MHz	0.80	P
	5510 MHz	1.46	P
	5550 MHz	1.33	P
	5670 MHz	1.65	P
802.11ac HT80	5210MHz	-1.66	P
	5290MHz	-2.13	P
	5530MHz	-1.50	P
	5610MHz	-1.53	P
	5690MHz	-1.32	P

Conclusion: PASS

B.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
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Measurement Result:

Mode	Frequency	Occupied 26dB Bandwidth (MHz)		conclusion
		Fig.	Value	
802.11a	5180 MHz	Fig.1	22.30	P
	5200 MHz	Fig.2	22.80	P
	5240 MHz	Fig.3	22.80	P
	5260 MHz	Fig.4	24.05	P
	5280 MHz	Fig.5	22.80	P
	5320 MHz	Fig.6	24.30	P
	5500 MHz	Fig.7	23.55	P
	5580 MHz	Fig.8	23.35	P
	5700 MHz	Fig.9	23.95	P
	5720 MHz	Fig.10	24.05	P
802.11n HT20	5180 MHz	Fig.11	24.45	P
	5200 MHz	Fig.12	23.30	P
	5240 MHz	Fig.13	24.95	P
	5260 MHz	Fig.14	23.35	P
	5280 MHz	Fig.15	23.70	P
	5320 MHz	Fig.16	24.15	P
	5500 MHz	Fig.17	23.70	P
	5580 MHz	Fig.18	23.75	P
	5700 MHz	Fig.19	23.95	P
	5720 MHz	Fig.20	24.85	P

802.11ac HT20	5180 MHz	Fig.21	22.70	P
	5200 MHz	Fig.22	24.30	P
	5240 MHz	Fig.23	23.55	P
	5260 MHz	Fig.24	23.40	P
	5280 MHz	Fig.25	24.65	P
	5320 MHz	Fig.26	23.65	P
	5500 MHz	Fig.27	23.85	P
	5580 MHz	Fig.28	24.00	P
	5700 MHz	Fig.29	24.40	P

	5720 MHz	Fig.30	25.00	P
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802.11n HT40	5190 MHz	Fig.31	40.88	P
	5230 MHz	Fig.32	40.96	P
	5270 MHz	Fig.33	40.80	P
	5310 MHz	Fig.34	41.12	P
	5510 MHz	Fig.35	41.04	P
	5550 MHz	Fig.36	41.36	P
	5670 MHz	Fig.37	41.12	P
	5710 MHz	Fig.38	40.48	P

802.11ac HT40	5190 MHz	Fig.39	41.20	P
	5230 MHz	Fig.40	40.88	P
	5270 MHz	Fig.41	40.88	P
	5310 MHz	Fig.42	41.04	P
	5510 MHz	Fig.43	40.72	P
	5550 MHz	Fig.44	40.96	P
	5670 MHz	Fig.45	41.44	P
	5710 MHz	Fig.46	40.64	P

802.11ac HT80	5210MHz	Fig.47	82.56	P
	5290MHz	Fig.48	83.20	P
	5530MHz	Fig.49	82.40	P
	5610MHz	Fig.50	82.08	P
	5690MHz	Fig.51	82.88	P

Conclusion: PASS

Test graphs as below:

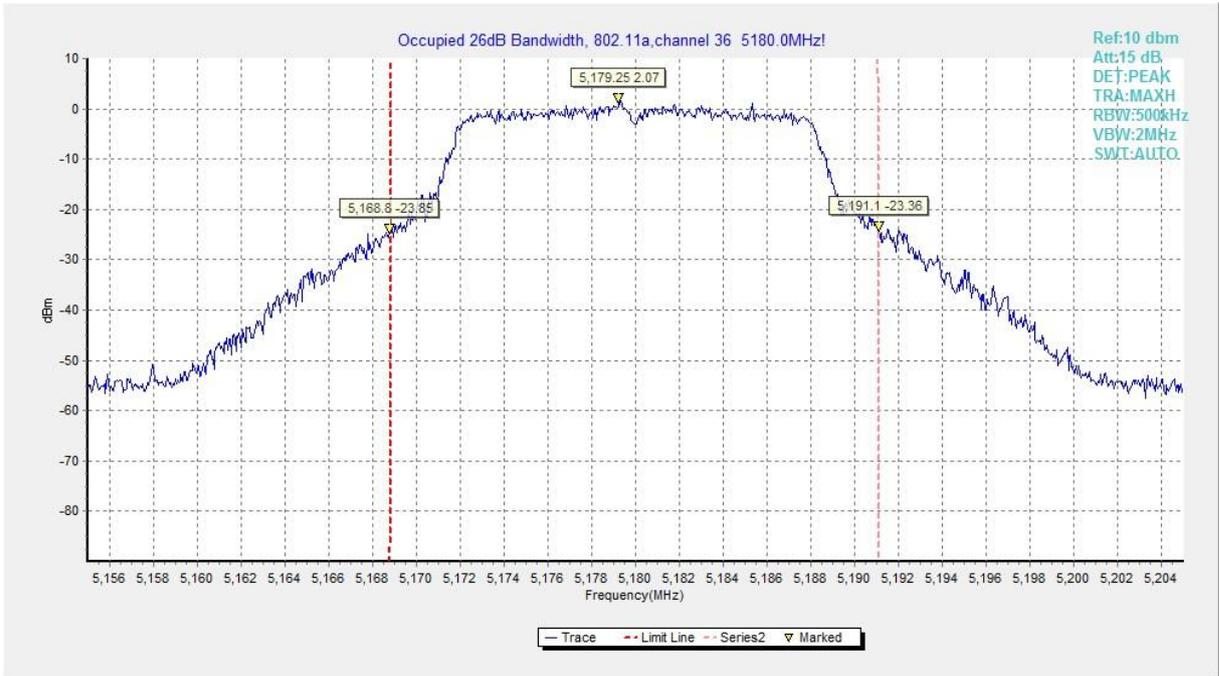


Fig.1 Occupied 26dB Bandwidth (802.11a, 5180MHz)

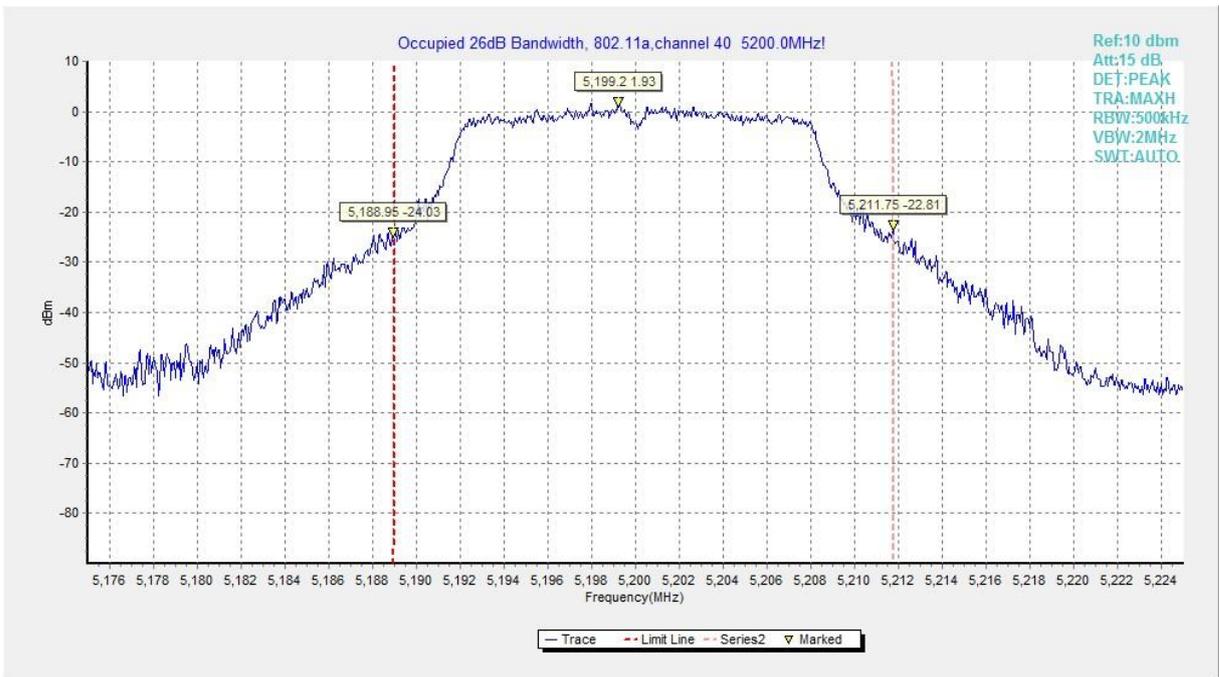


Fig.2 Occupied 26dB Bandwidth (802.11a, 5200MHz)

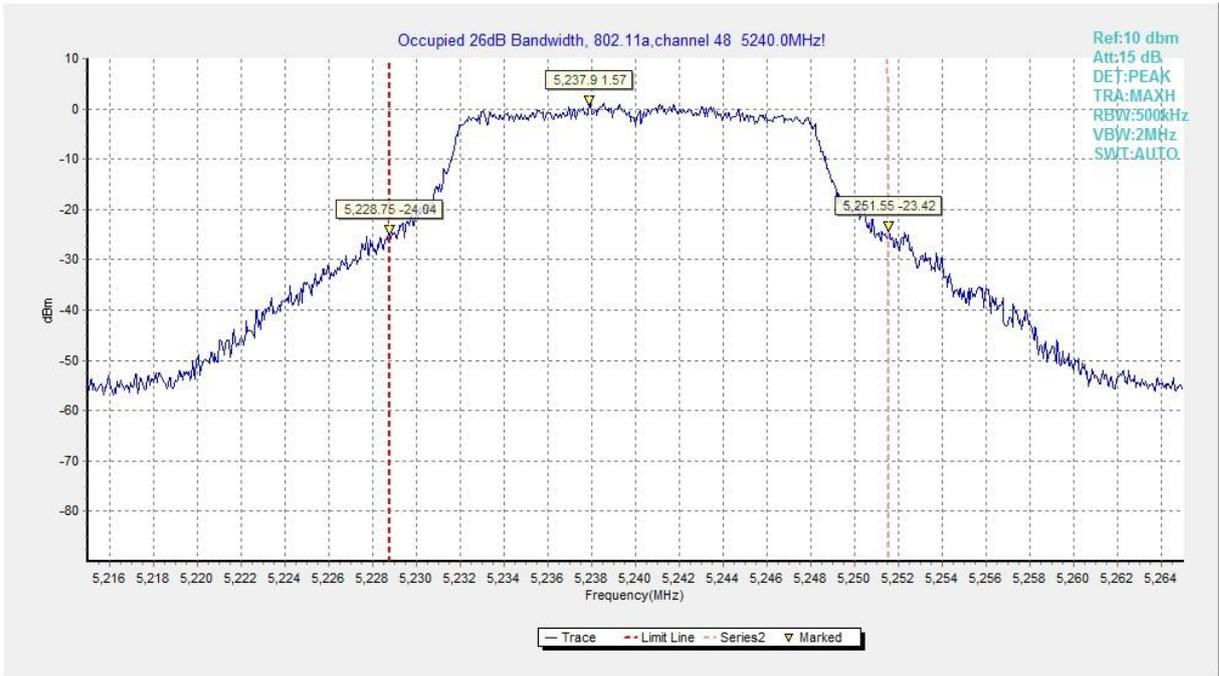


Fig.3 Occupied 26dB Bandwidth (802.11a, 5240MHz)

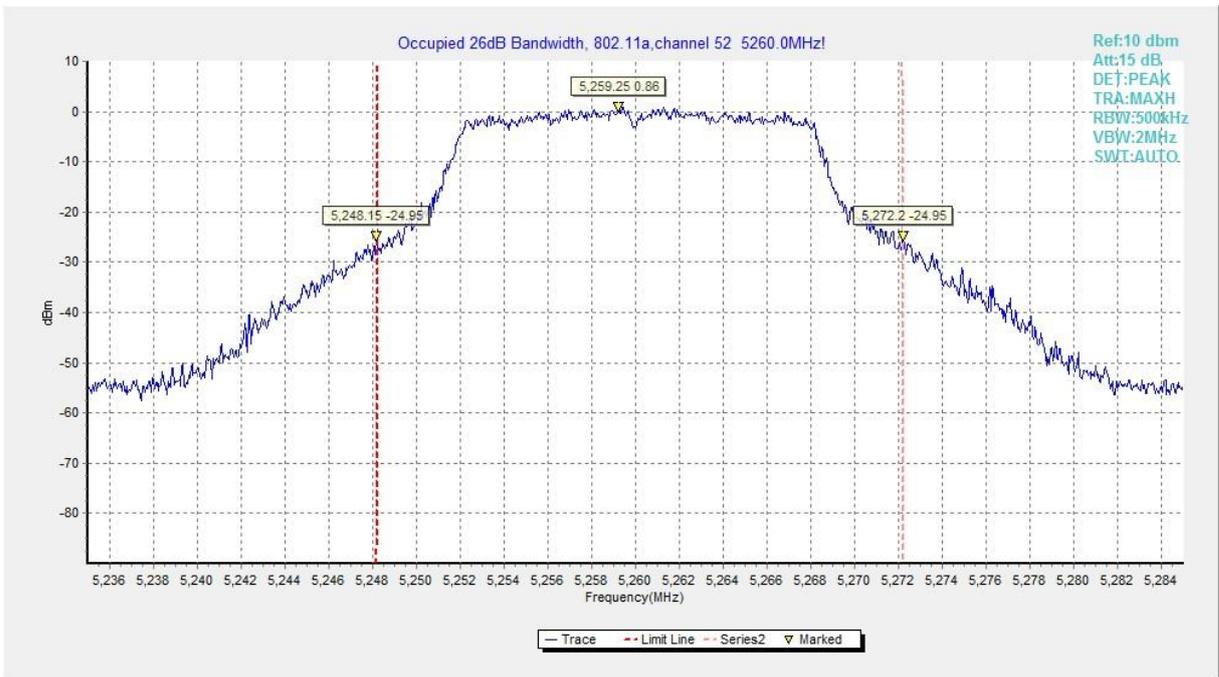


Fig.4 Occupied 26dB Bandwidth (802.11a, 5260MHz)

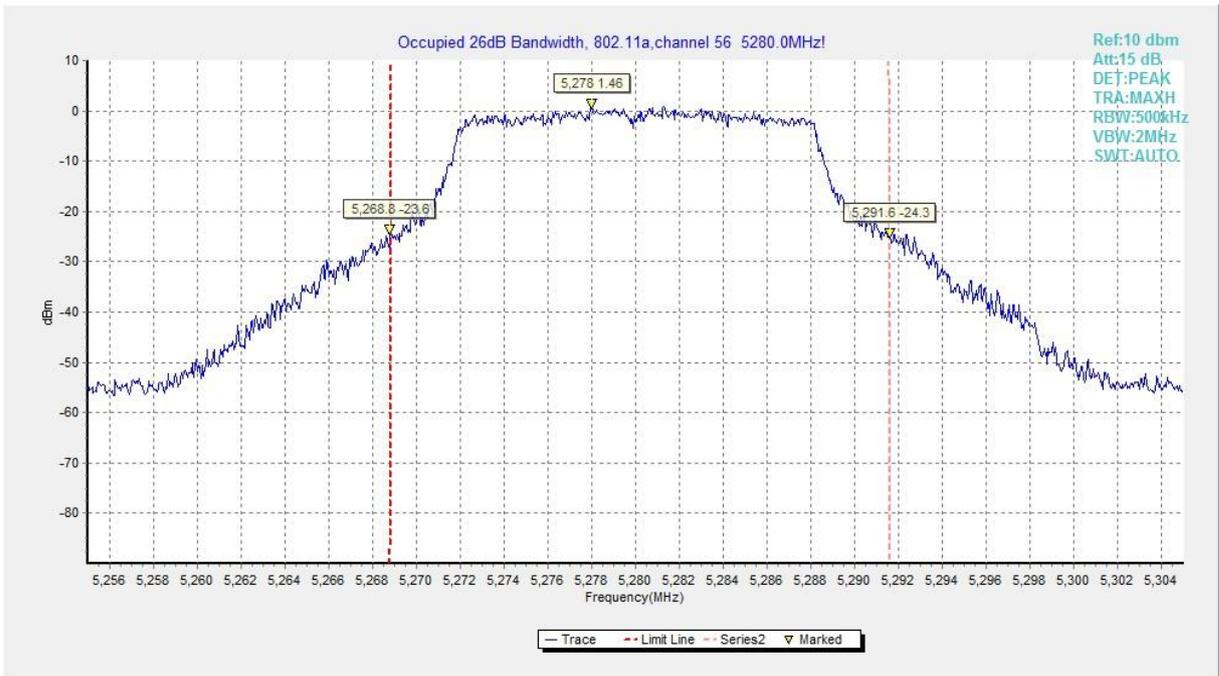


Fig.5 Occupied 26dB Bandwidth (802.11a, 5280MHz)

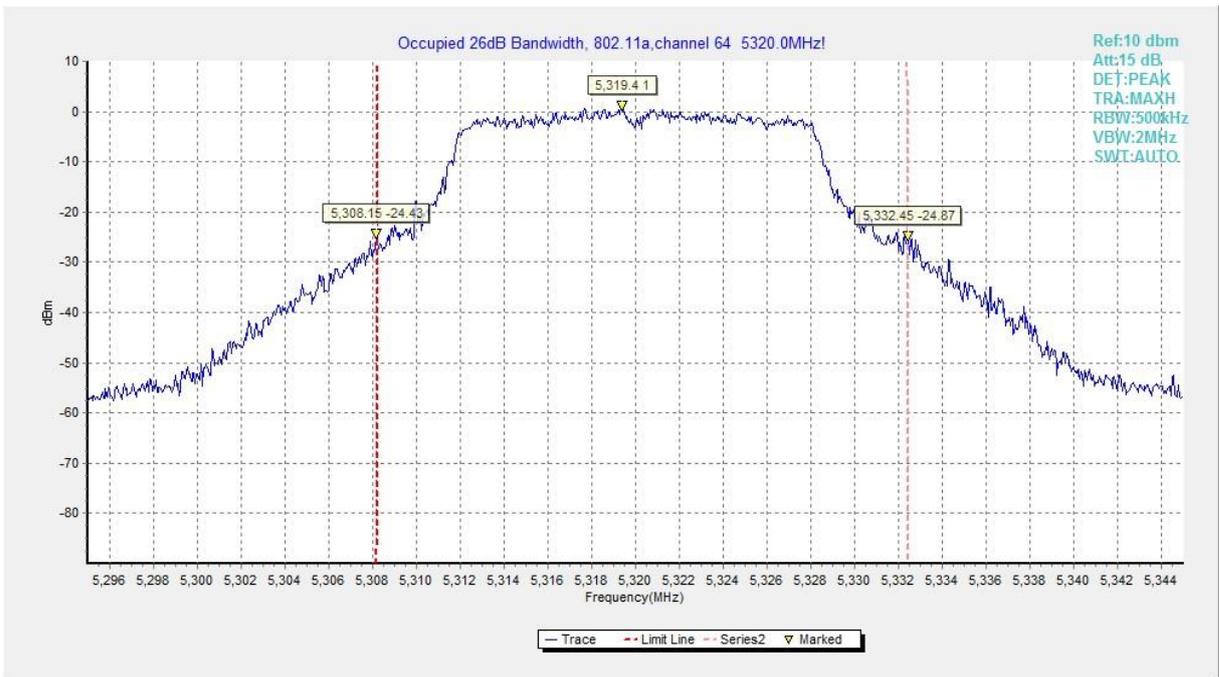


Fig.6 Occupied 26dB Bandwidth (802.11a, 5320MHz)

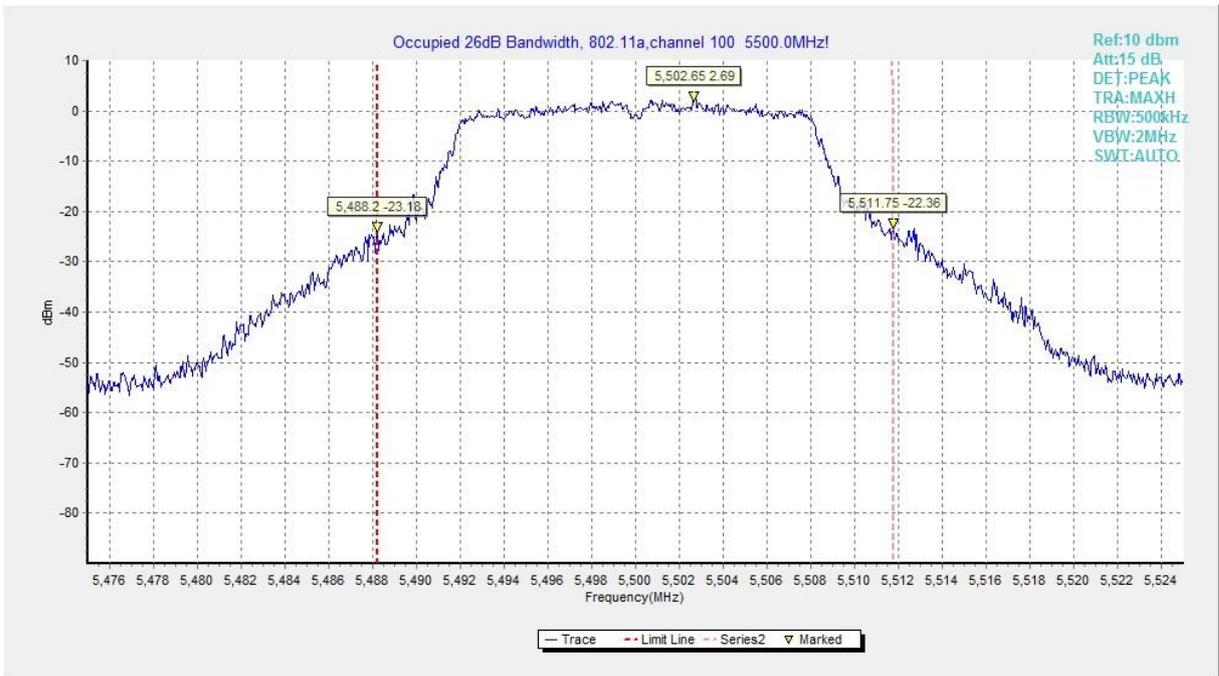


Fig.7 Occupied 26dB Bandwidth (802.11a, 5500MHz)

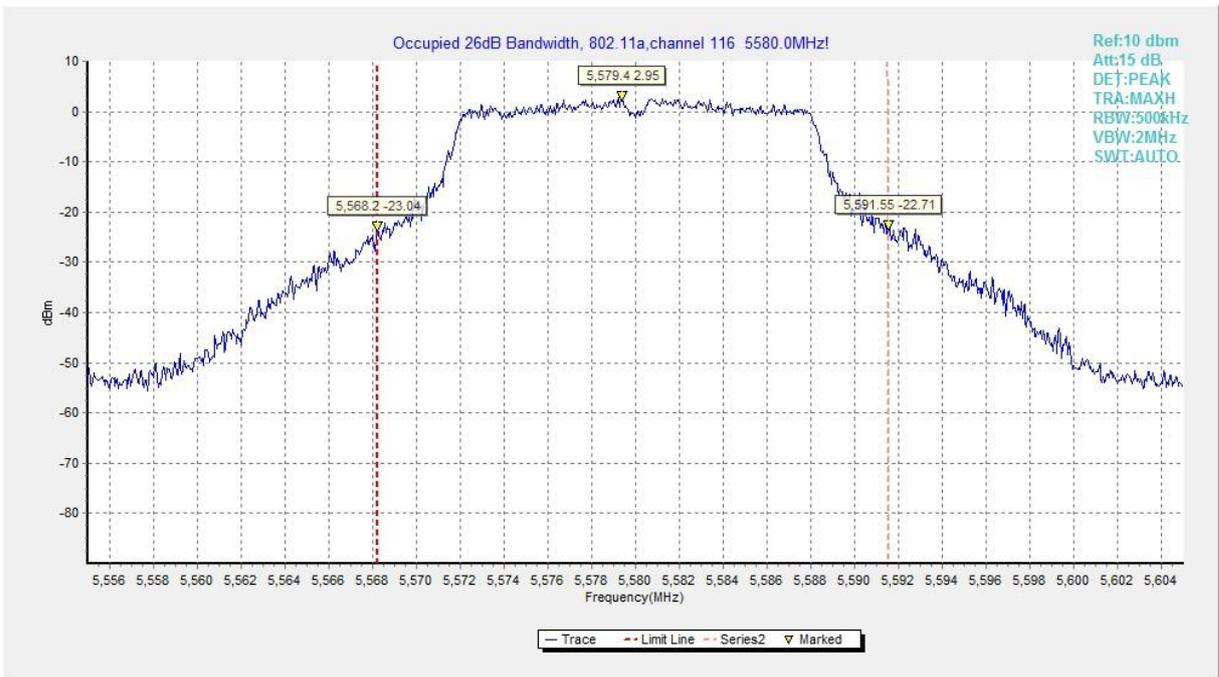


Fig.8 Occupied 26dB Bandwidth (802.11a, 5580MHz)

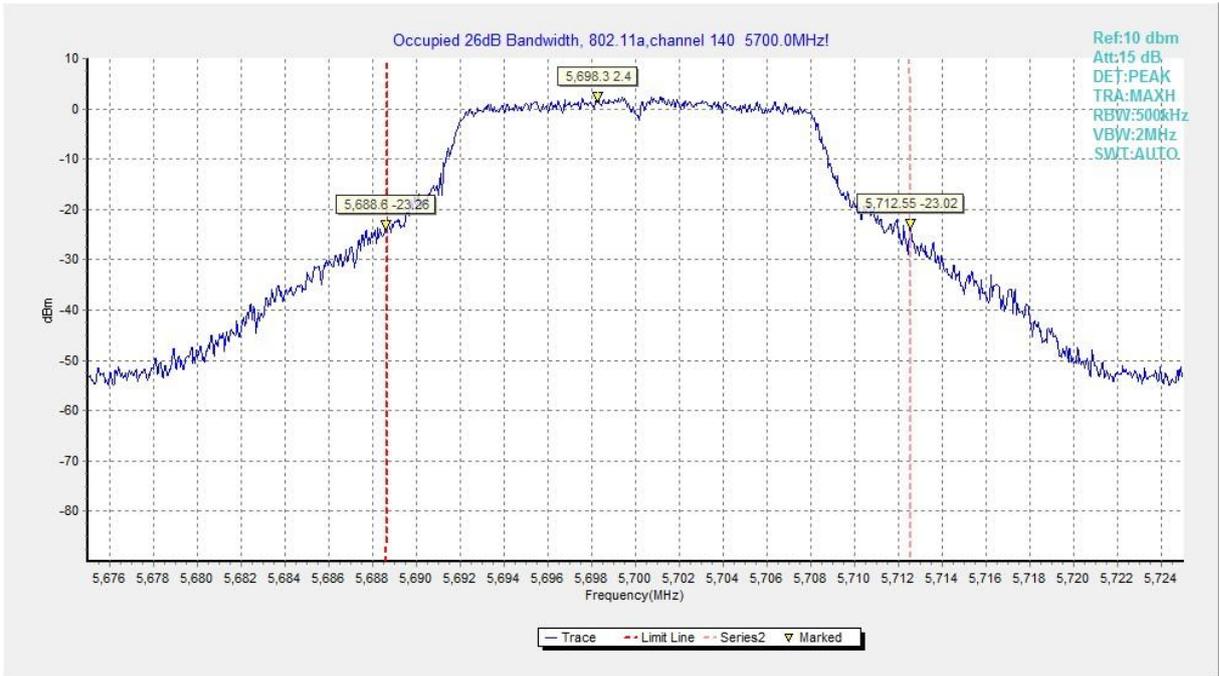


Fig.9 Occupied 26dB Bandwidth (802.11a, 5700MHz)

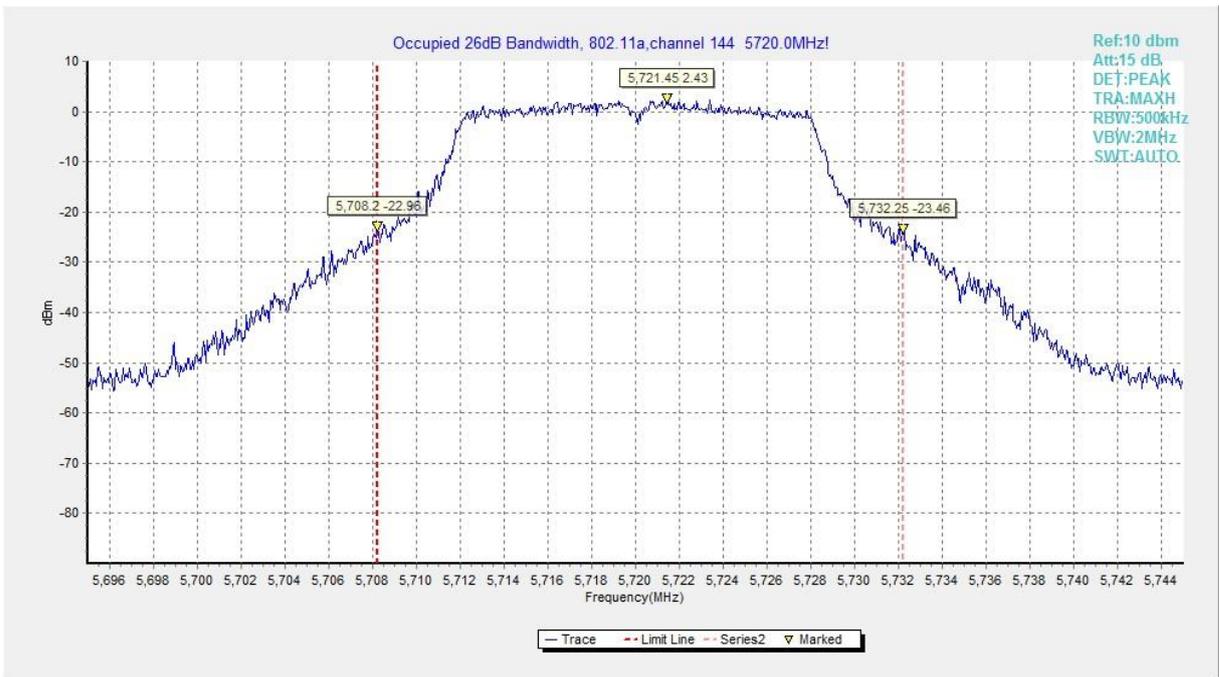


Fig.10 Occupied 26dB Bandwidth (802.11a, 5720MHz)

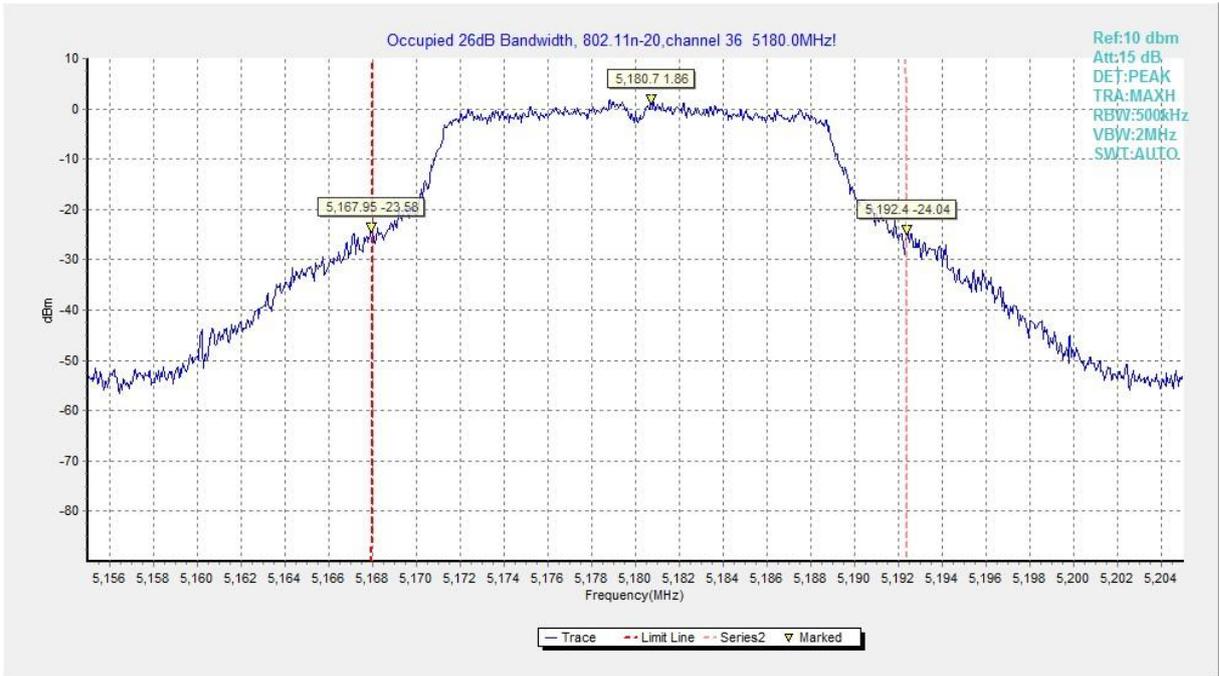


Fig.11 Occupied 26dB Bandwidth (802.11n-HT20, 5180MHz)

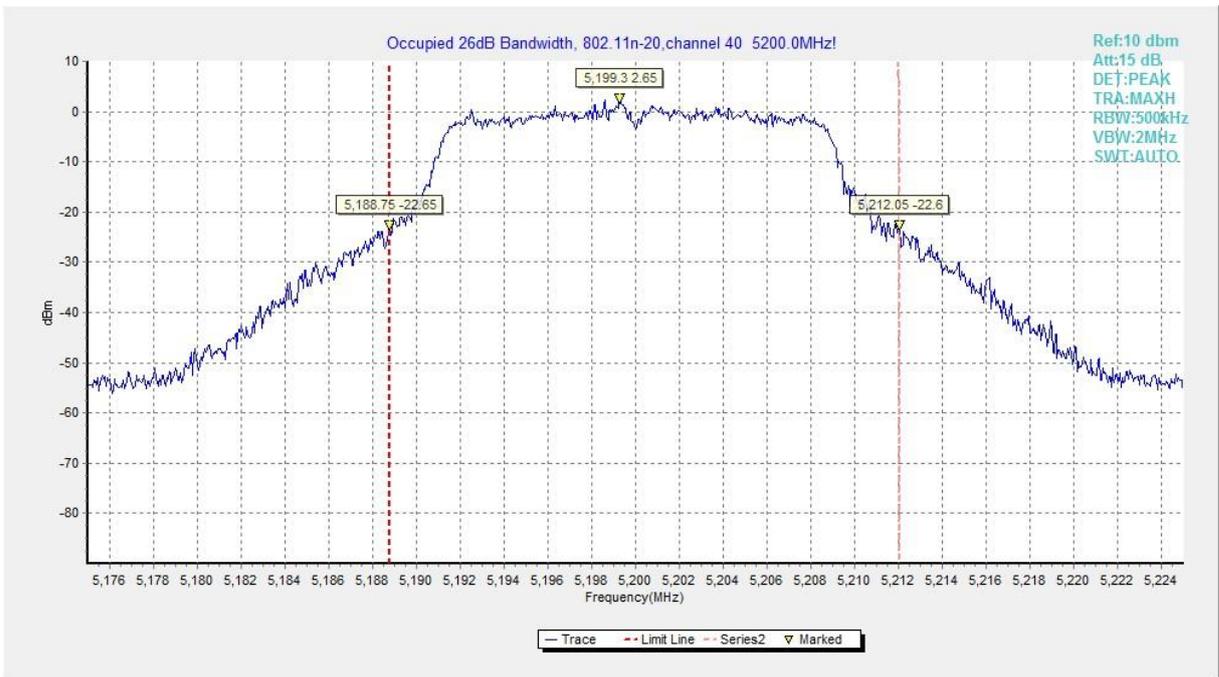


Fig.12 Occupied 26dB Bandwidth (802.11n-HT20, 5200MHz)

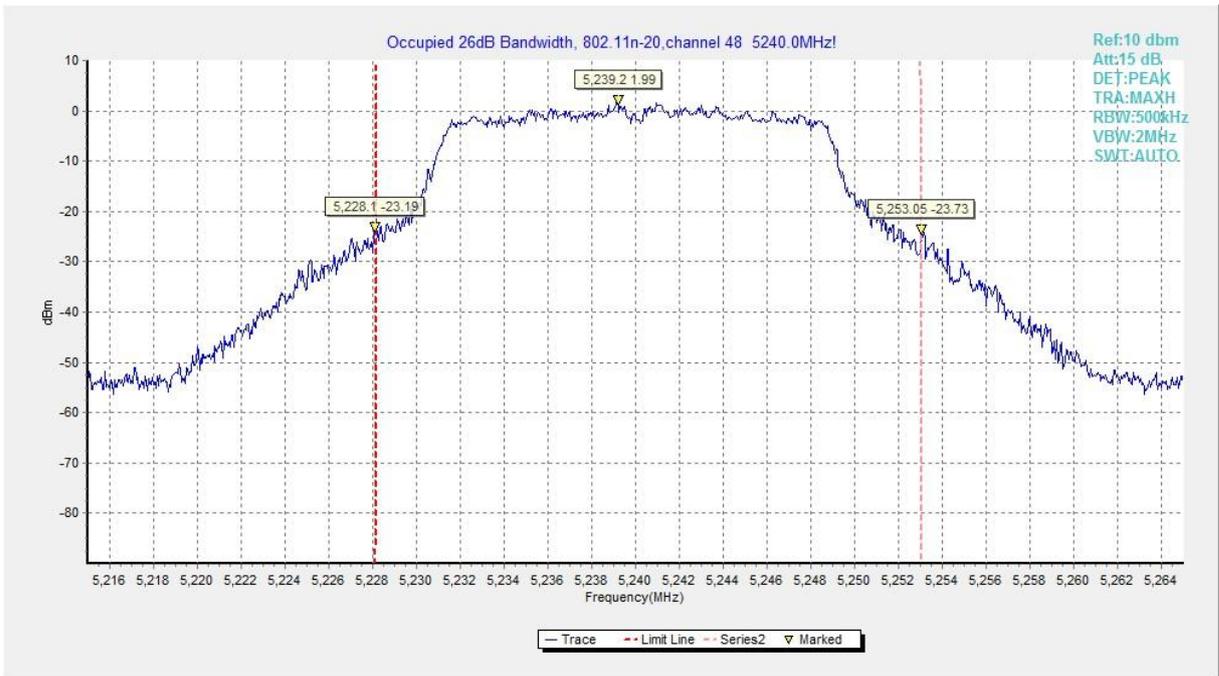


Fig.13 Occupied 26dB Bandwidth (802.11n-HT20, 5240MHz)

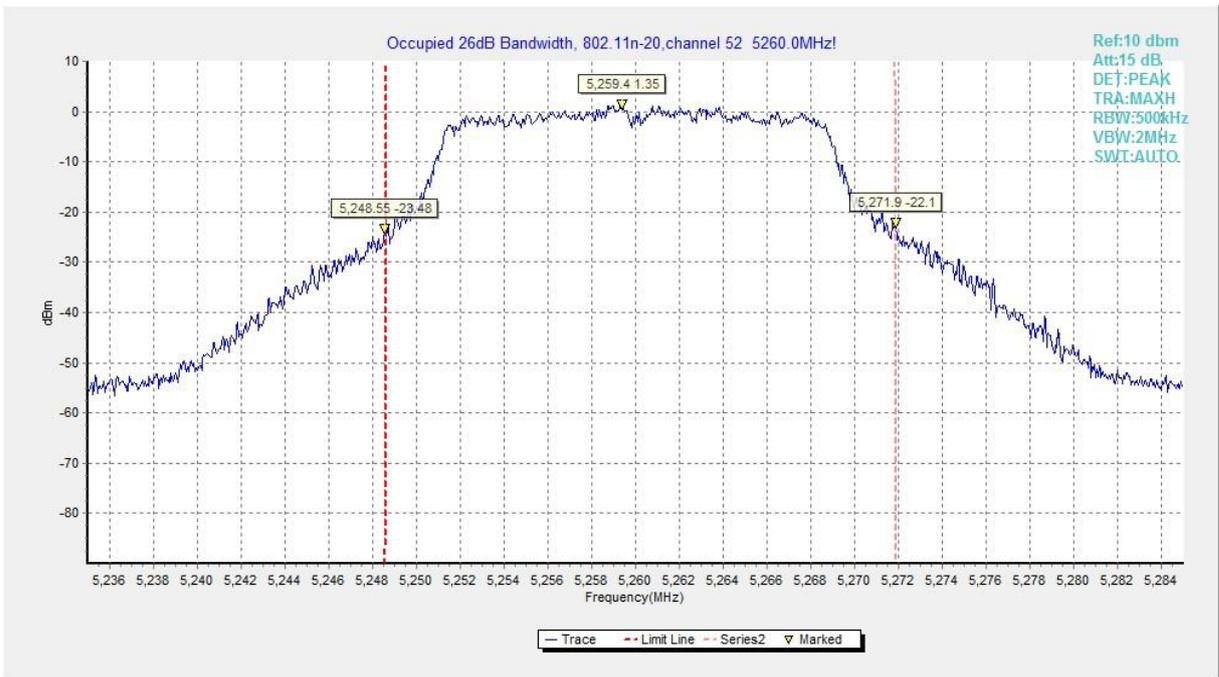


Fig.14 Occupied 26dB Bandwidth (802.11n-HT20, 5260MHz)

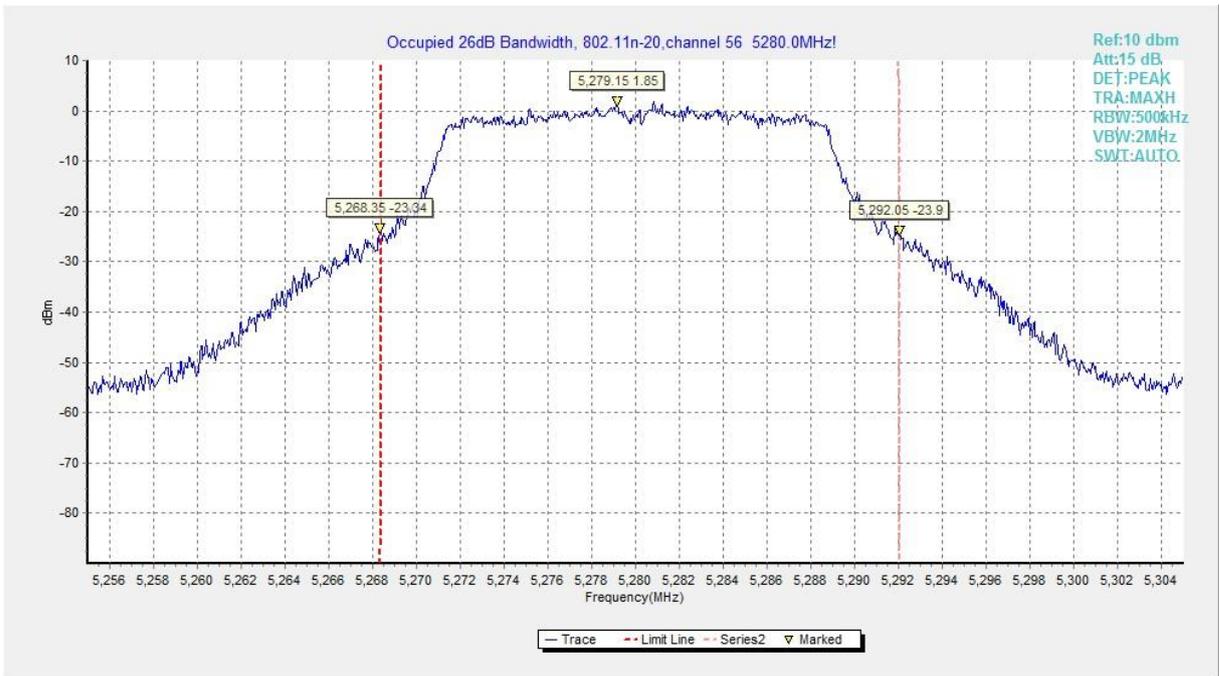


Fig.15 Occupied 26dB Bandwidth (802.11n-HT20, 5280MHz)

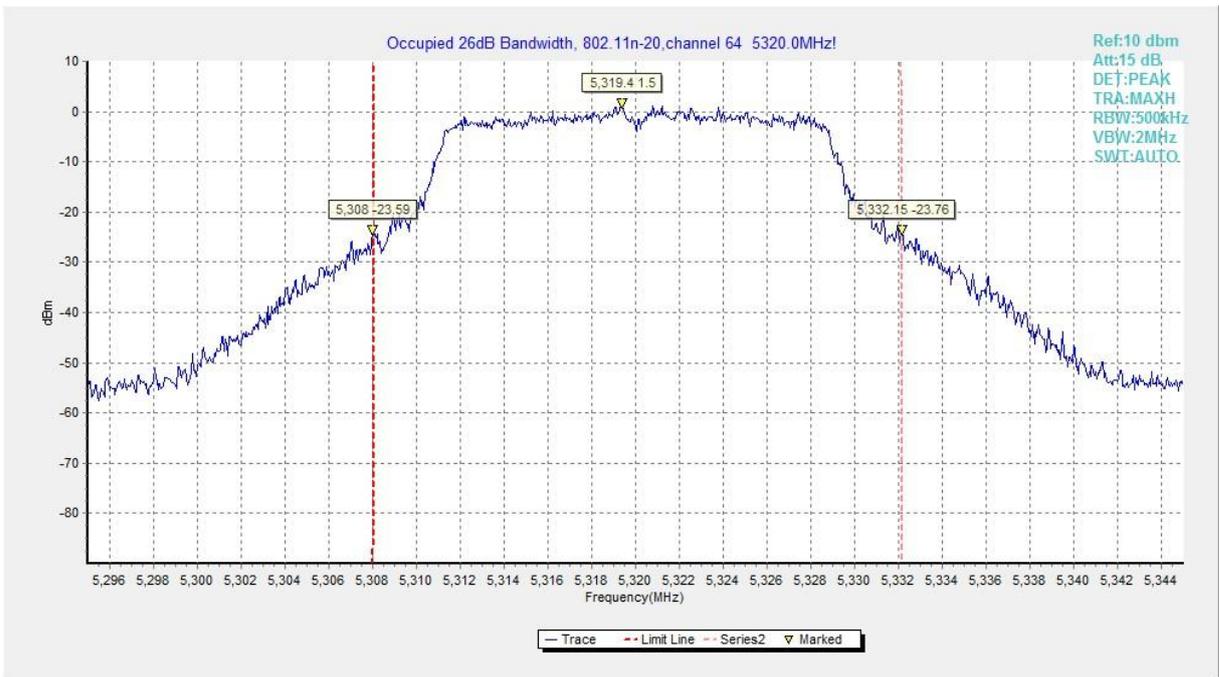


Fig.16 Occupied 26dB Bandwidth (802.11n-HT20, 5320MHz)

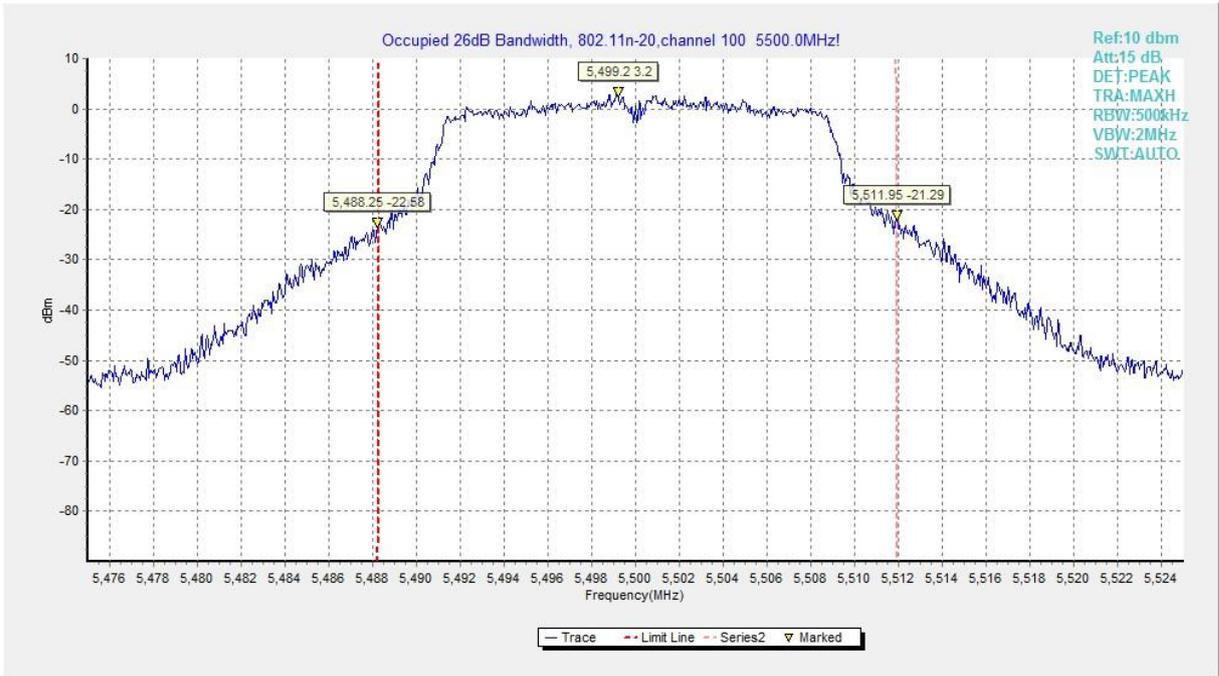


Fig.17 Occupied 26dB Bandwidth (802. 11n-HT20, 5500MHz)

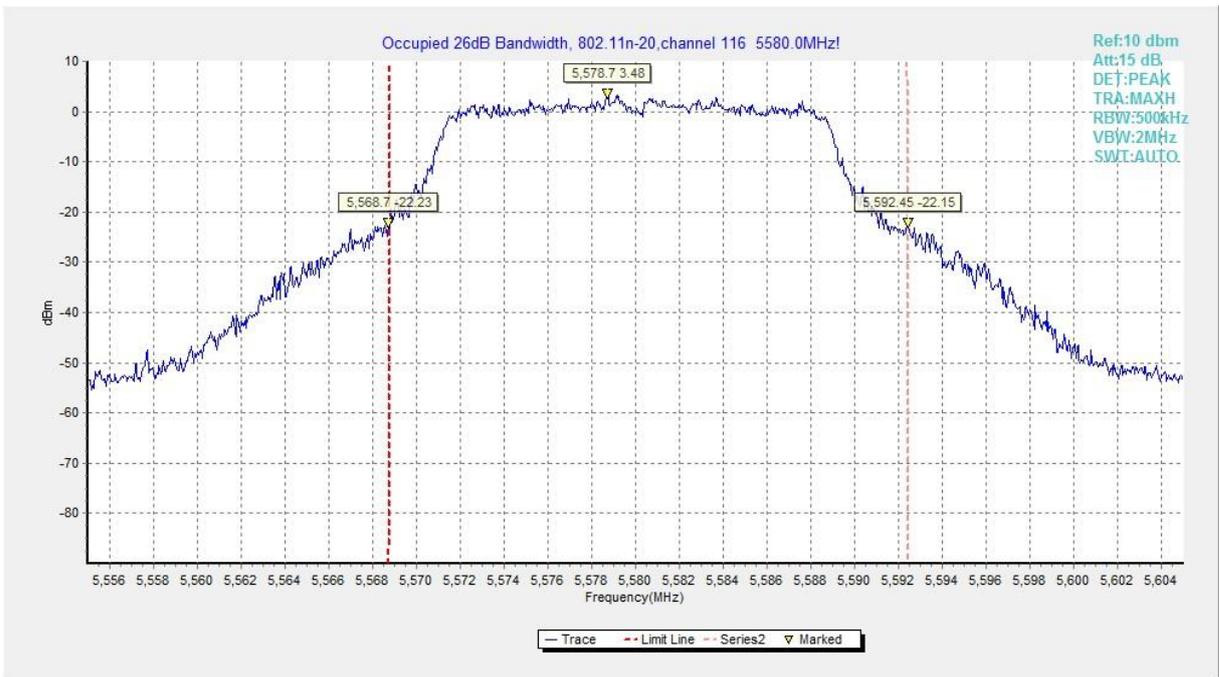


Fig.18 Occupied 26dB Bandwidth (802. 11n-HT20, 5580MHz)

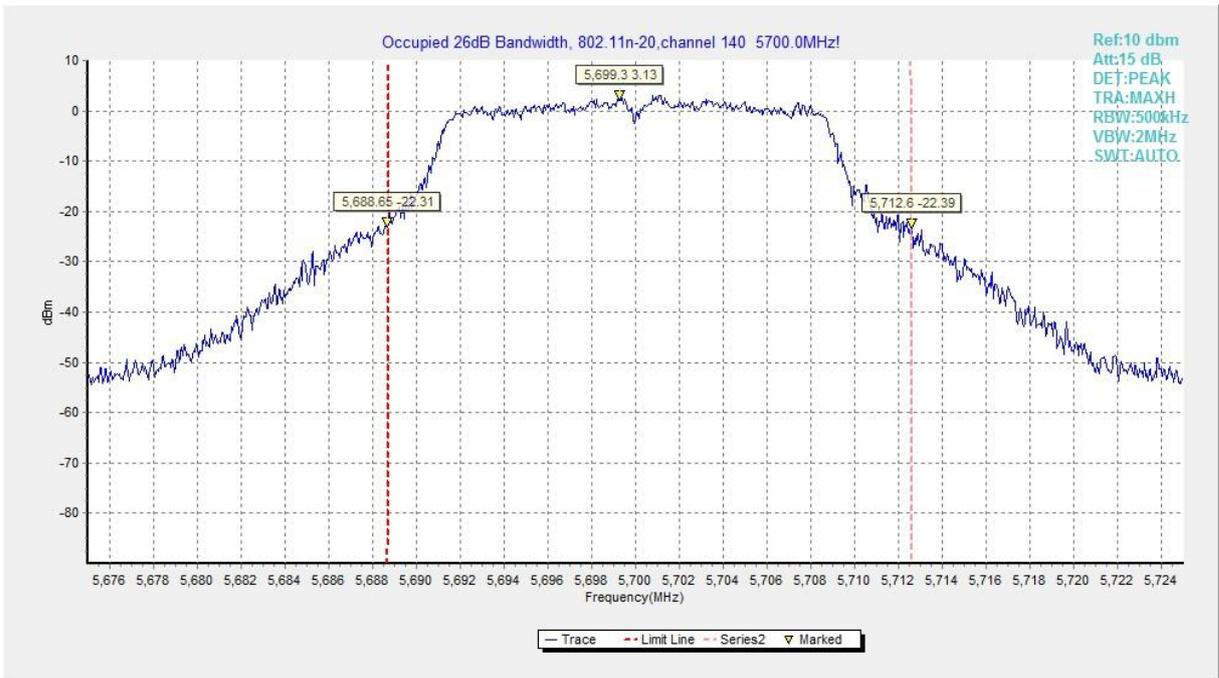


Fig.19 Occupied 26dB Bandwidth (802. 11n-HT20, 5700MHz)

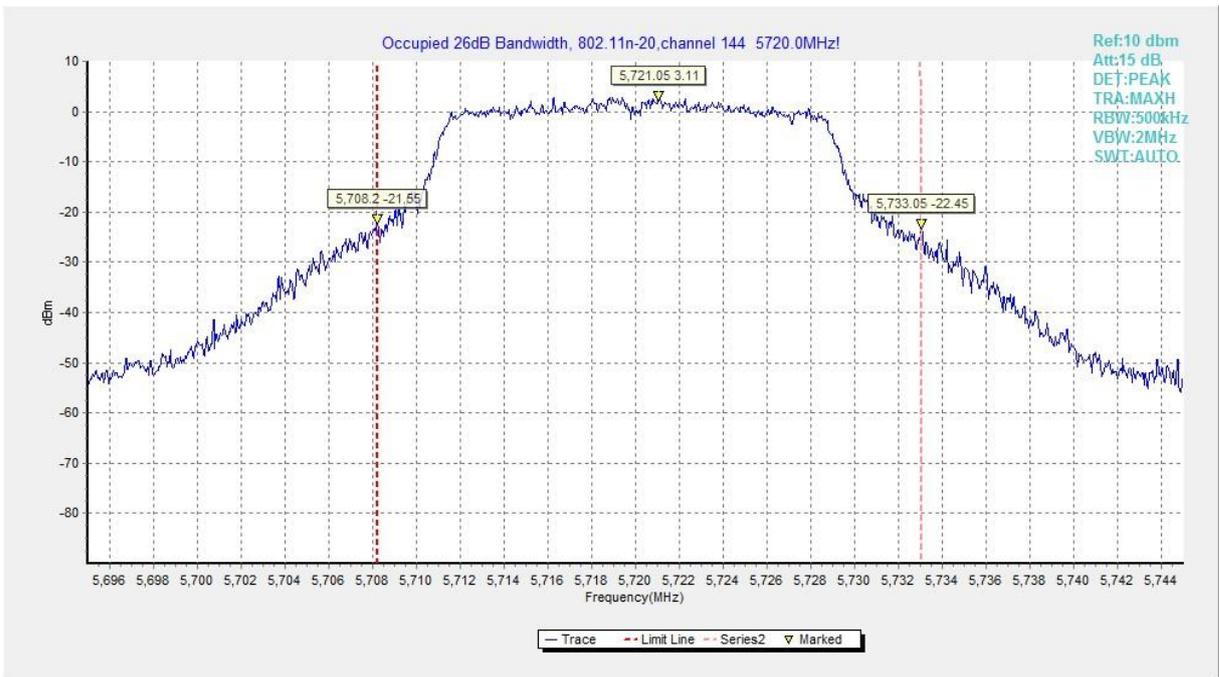


Fig.20 Occupied 26dB Bandwidth (802. 11n-HT20, 5720MHz)

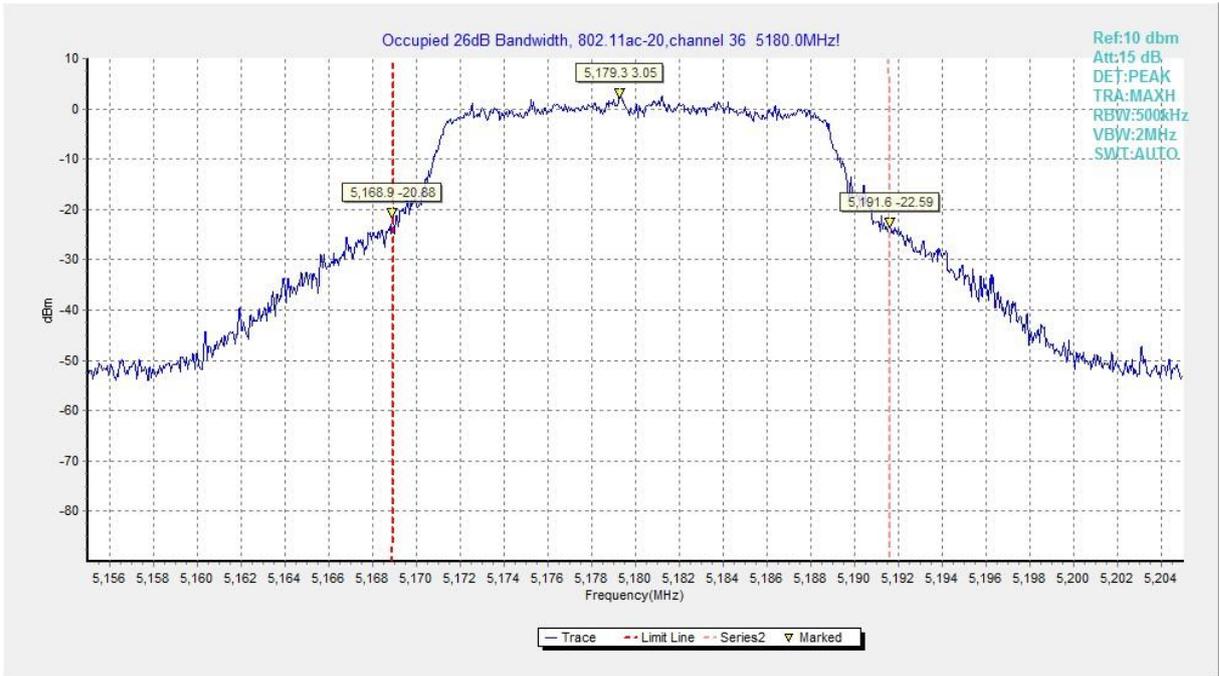


Fig.21 Occupied 26dB Bandwidth (802.11ac-HT20, 5180MHz)

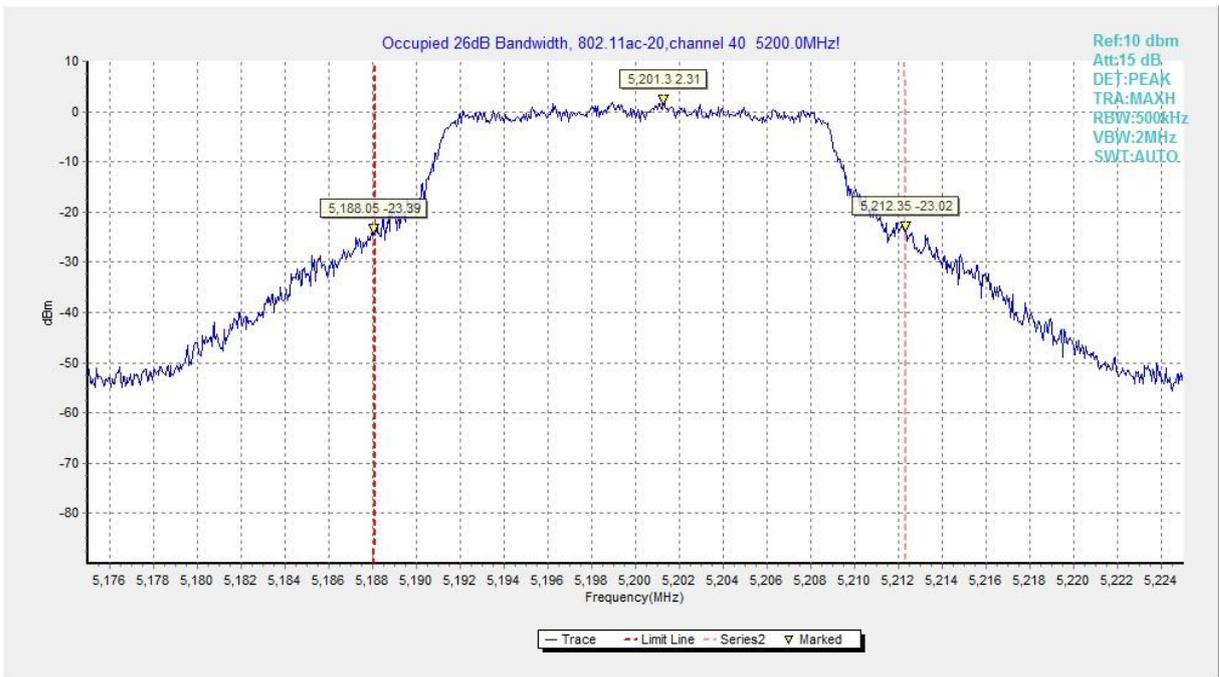


Fig.22 Occupied 26dB Bandwidth (802.11ac-HT20, 5200MHz)

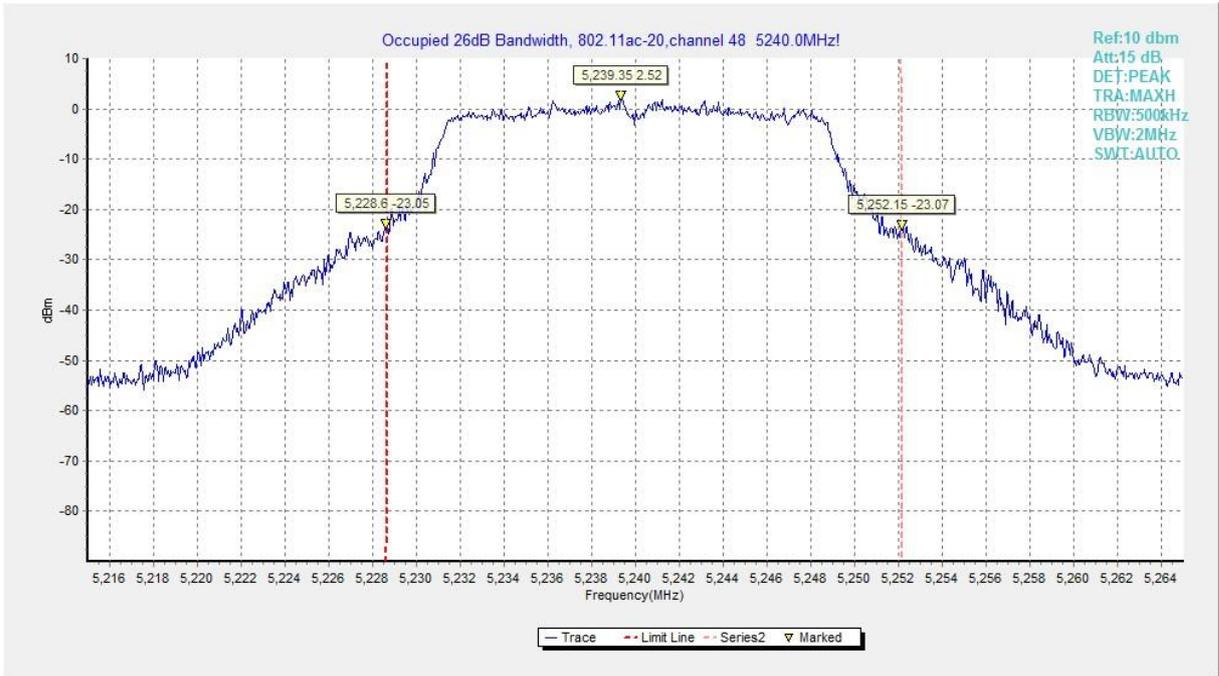


Fig.23 Occupied 26dB Bandwidth (802.11ac-HT20, 5240MHz)

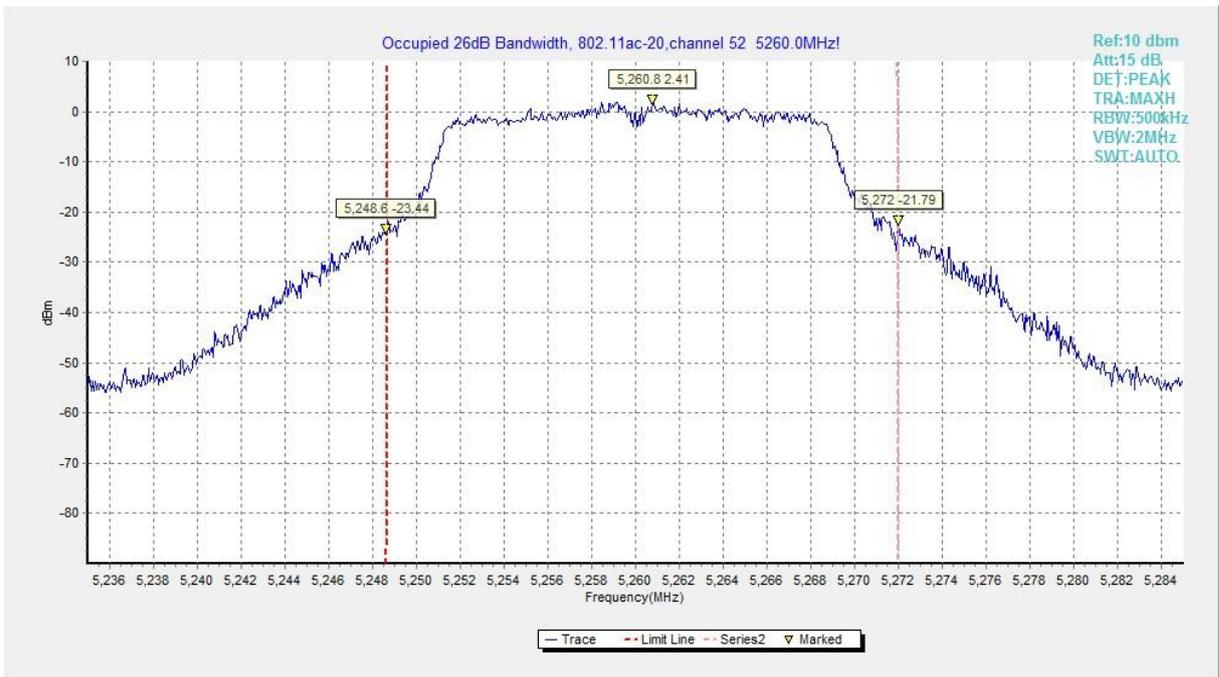


Fig.24 Occupied 26dB Bandwidth (802.11ac-HT20, 5260MHz)

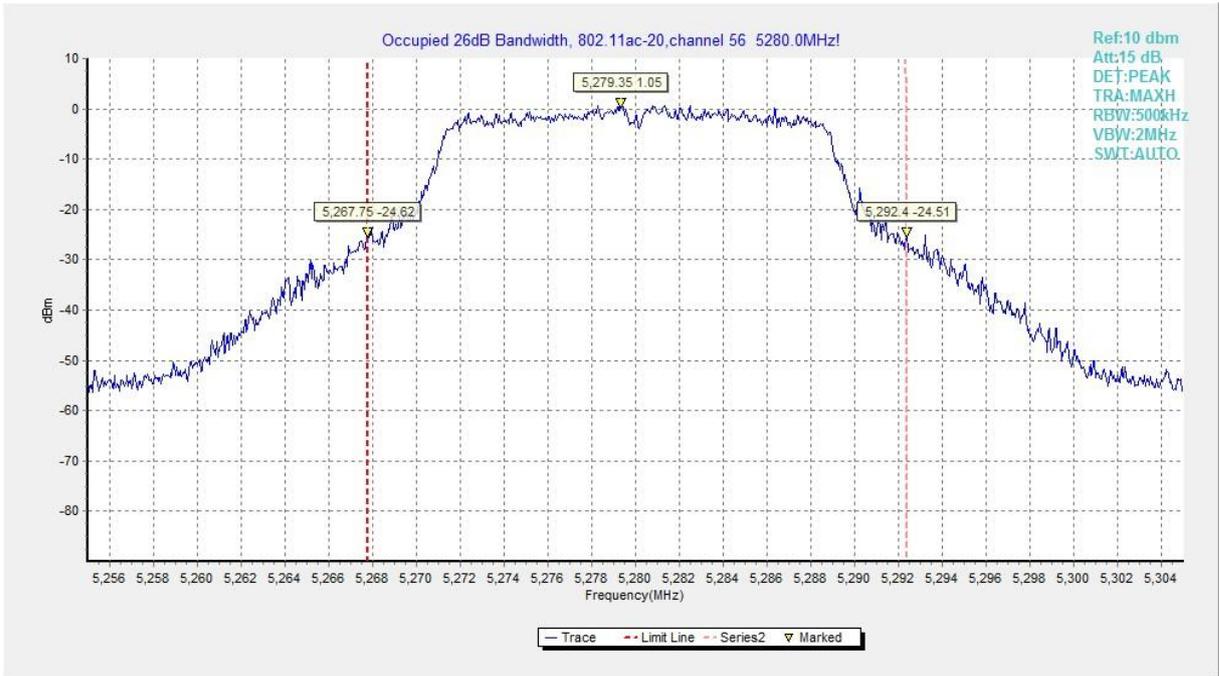


Fig.25 Occupied 26dB Bandwidth (802.11ac-HT20, 5280MHz)

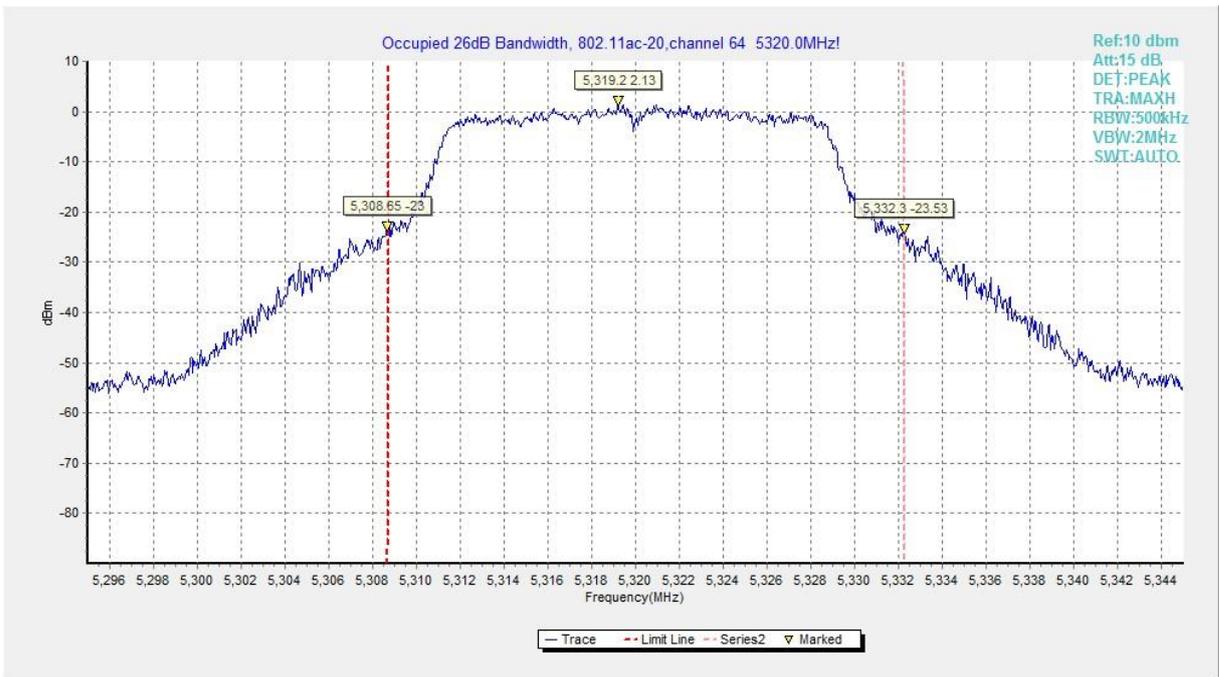


Fig.26 Occupied 26dB Bandwidth (802.11ac-HT20, 5320MHz)

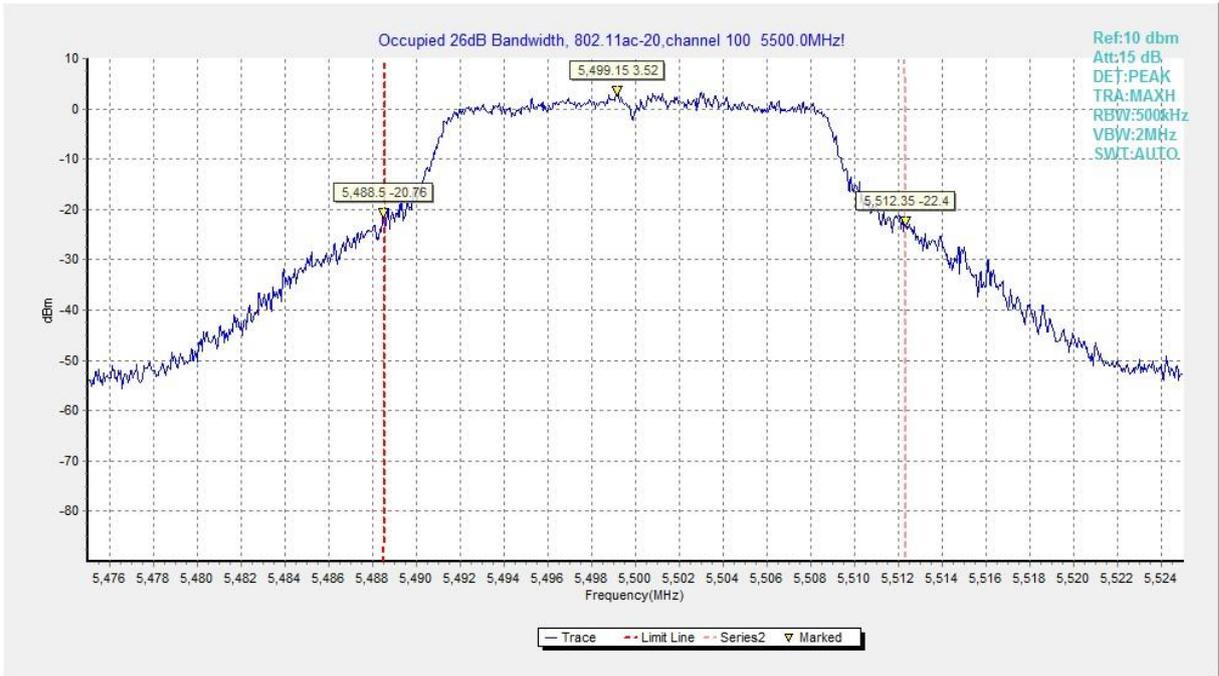


Fig.27 Occupied 26dB Bandwidth (802. 11ac-HT20, 5500MHz)

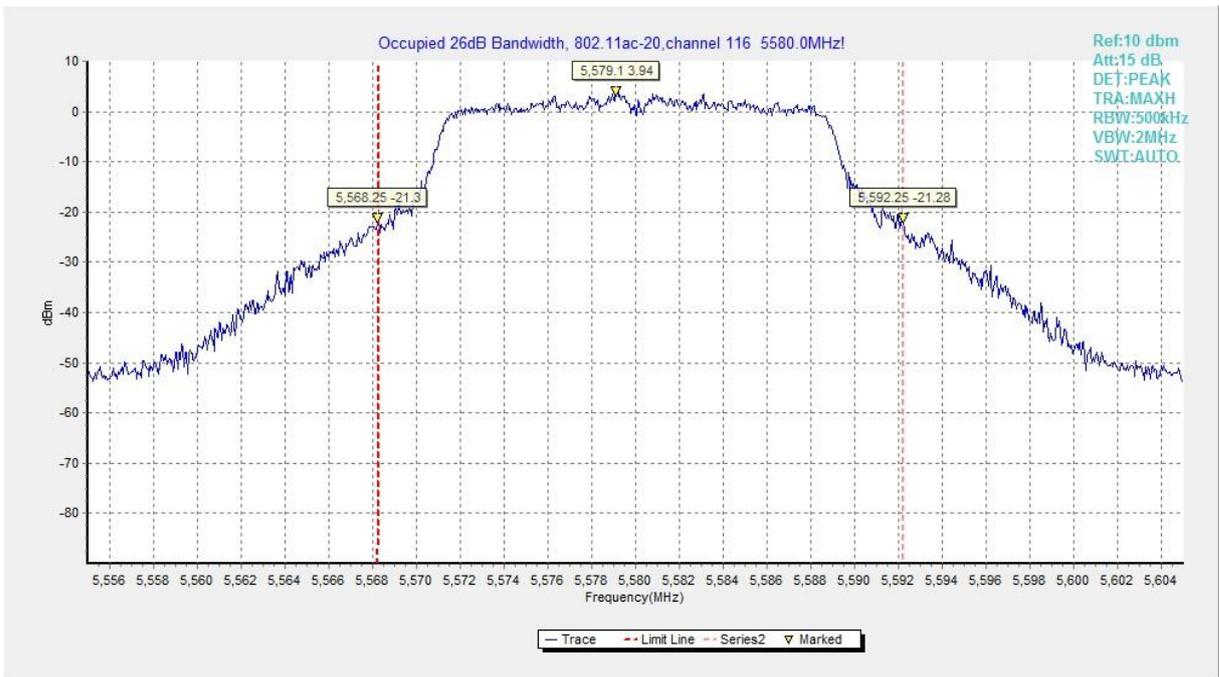


Fig.28 Occupied 26dB Bandwidth (802. 11ac-HT20, 5580MHz)

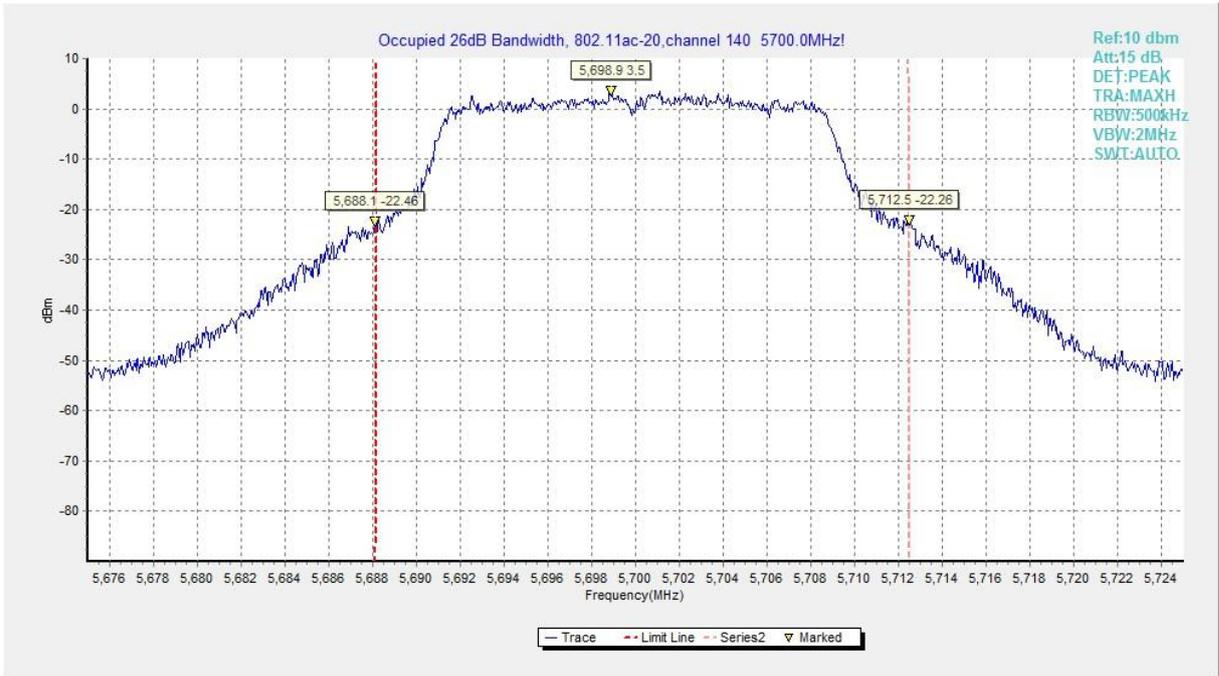


Fig.29 Occupied 26dB Bandwidth (802. 11ac-HT20, 5700MHz)

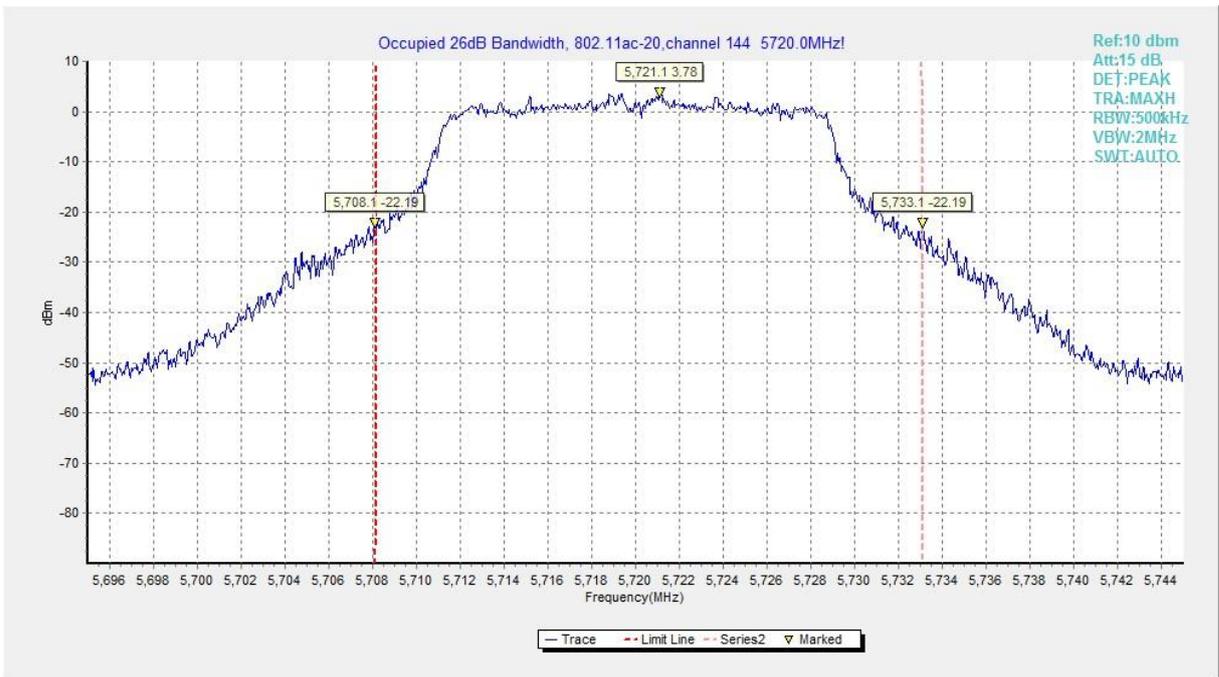


Fig.30 Occupied 26dB Bandwidth (802. 11ac-HT20, 5720MHz)

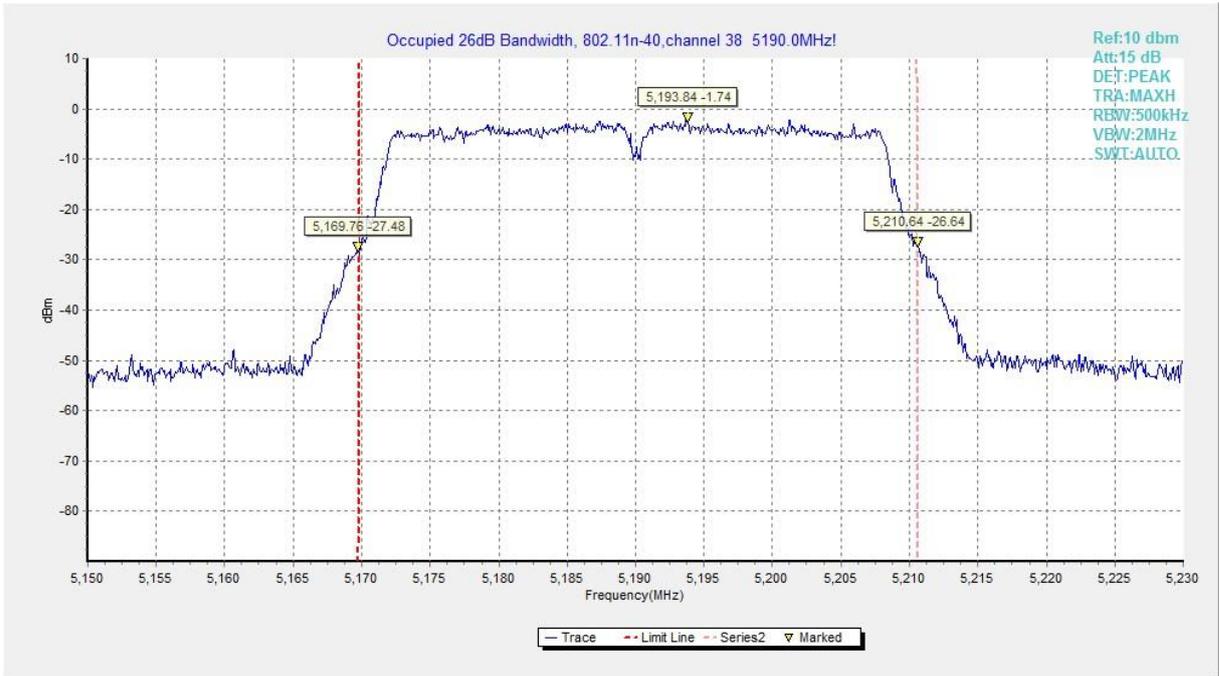


Fig.31 Occupied 26dB Bandwidth (802.11n-HT40, 5190MHz)

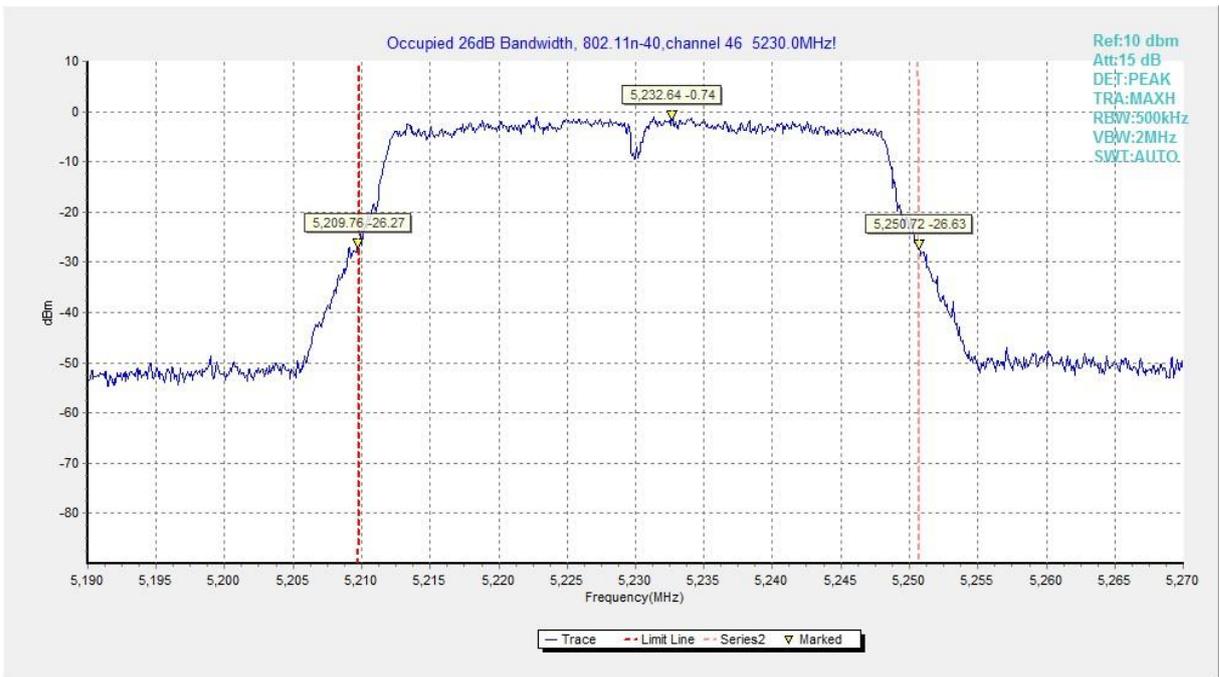


Fig.32 Occupied 26dB Bandwidth (802.11n-HT40, 5230MHz)

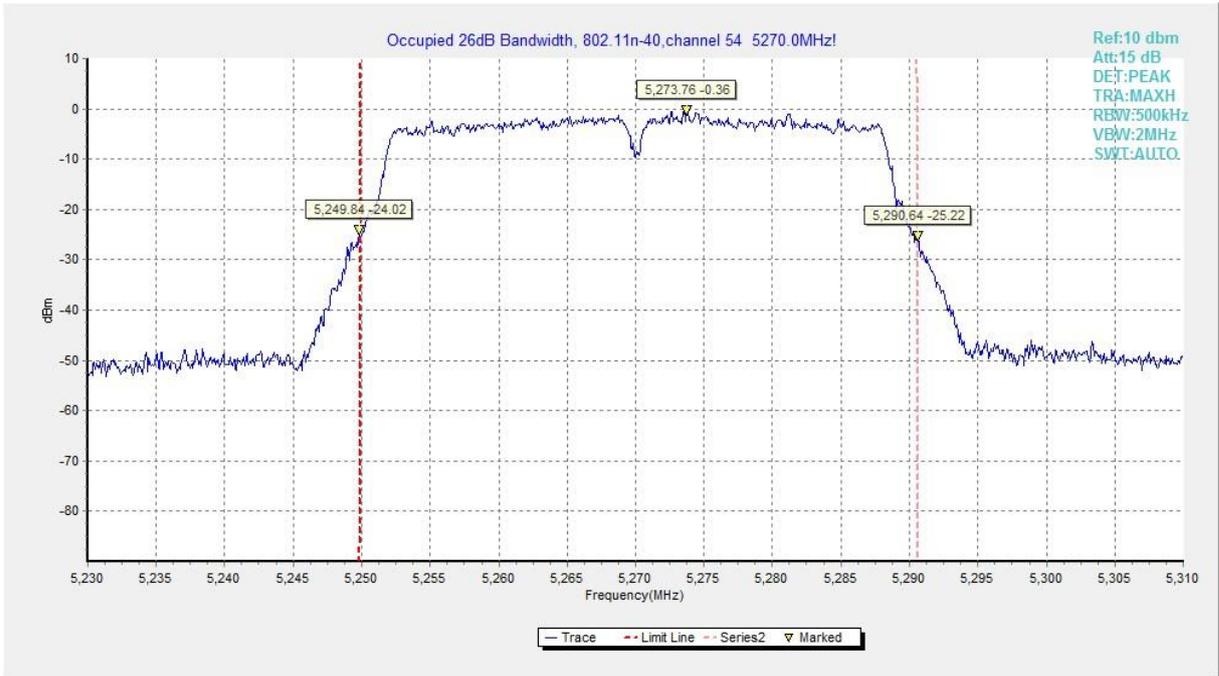


Fig.33 Occupied 26dB Bandwidth (802.11n-HT40, 5270MHz)

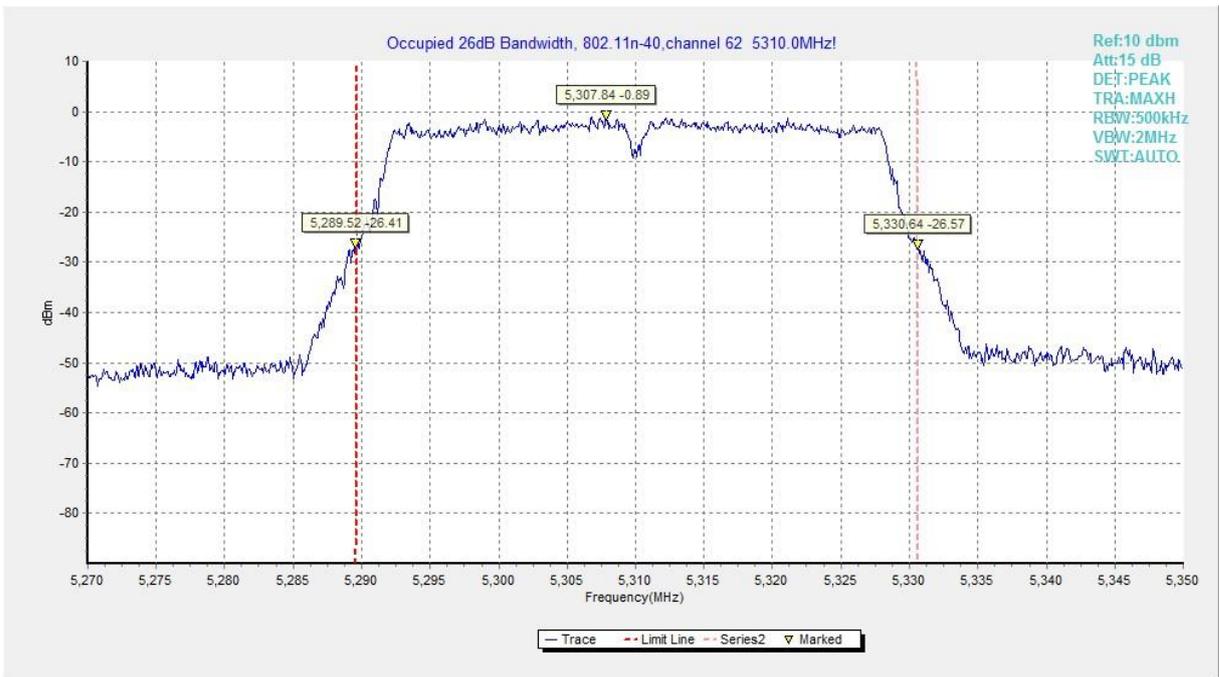


Fig.34 Occupied 26dB Bandwidth (802.11n-HT40, 5310MHz)

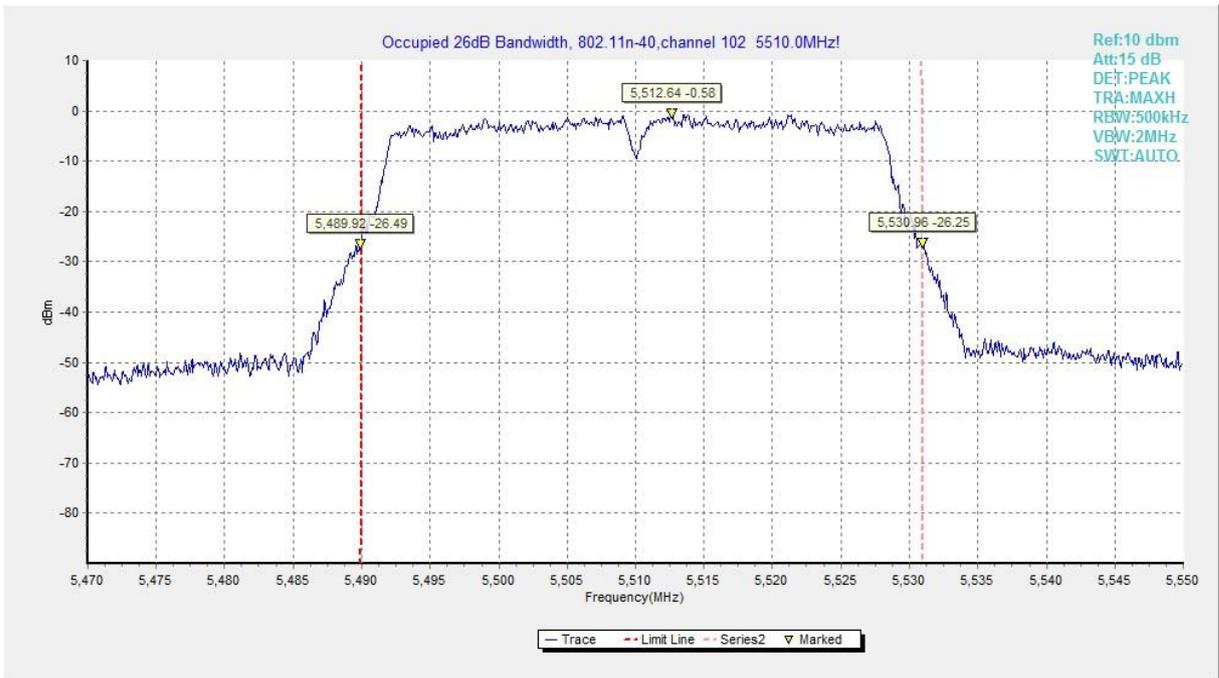


Fig.35 Occupied 26dB Bandwidth (802. 11n-HT40, 5510MHz)

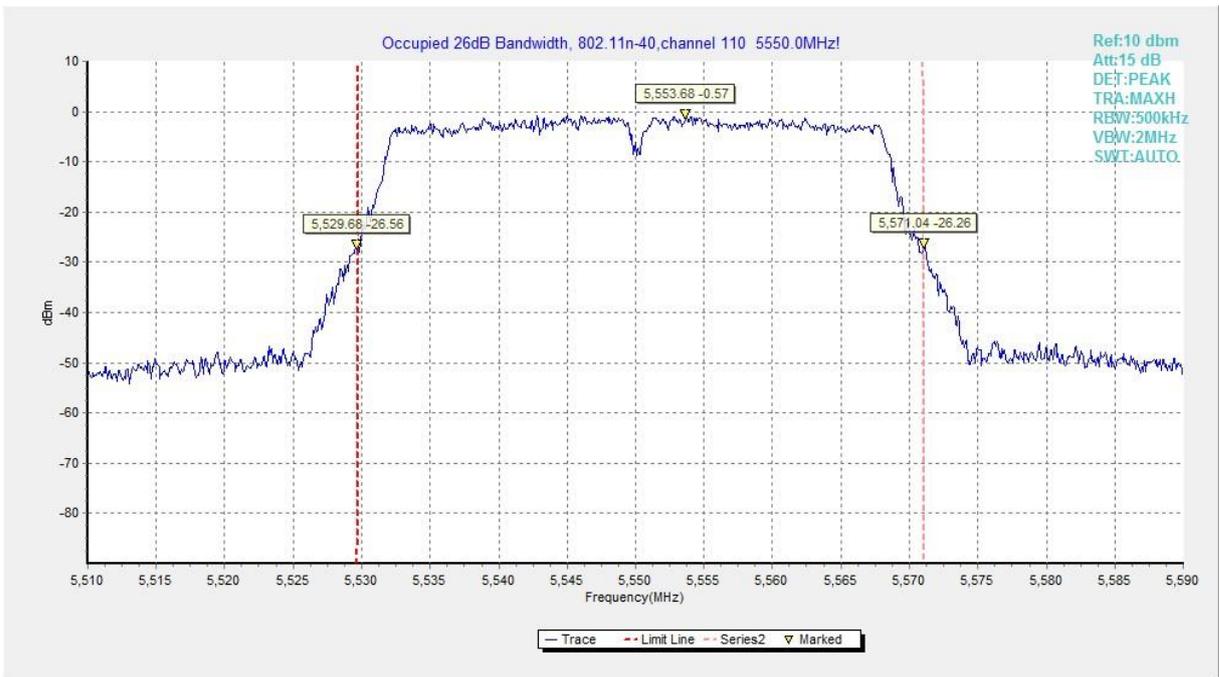


Fig.36 Occupied 26dB Bandwidth (802. 11n-HT40, 5590MHz)

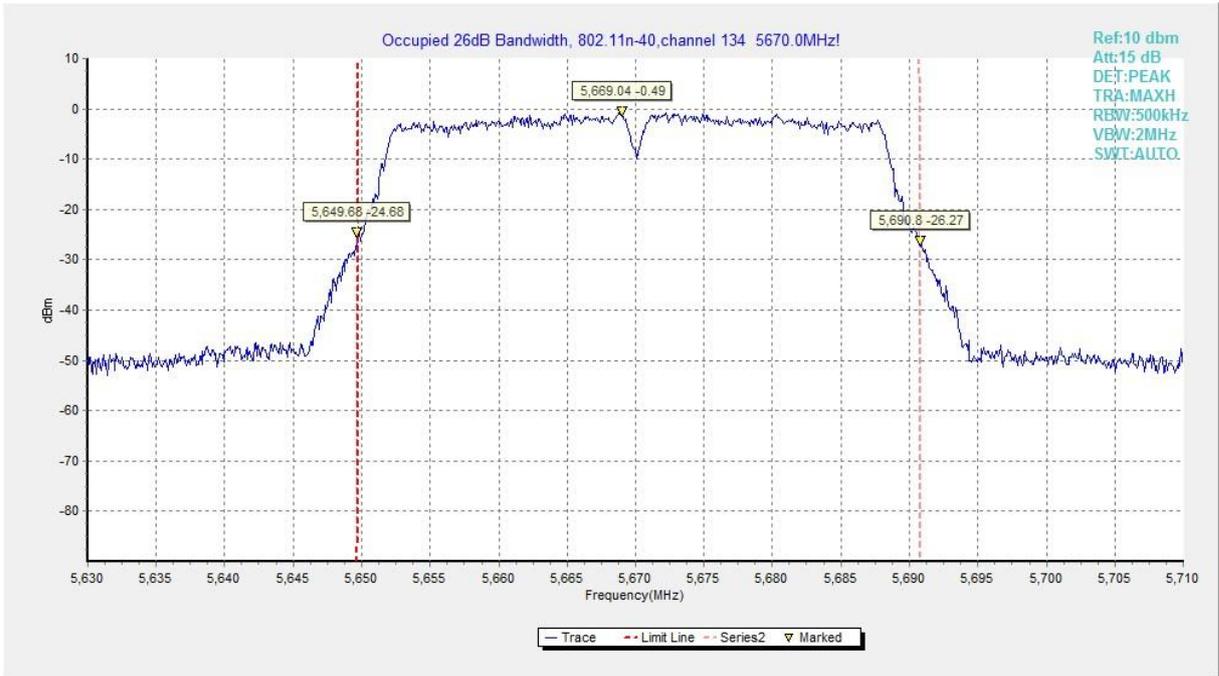


Fig.37 Occupied 26dB Bandwidth (802. 11n-HT40, 5670MHz)

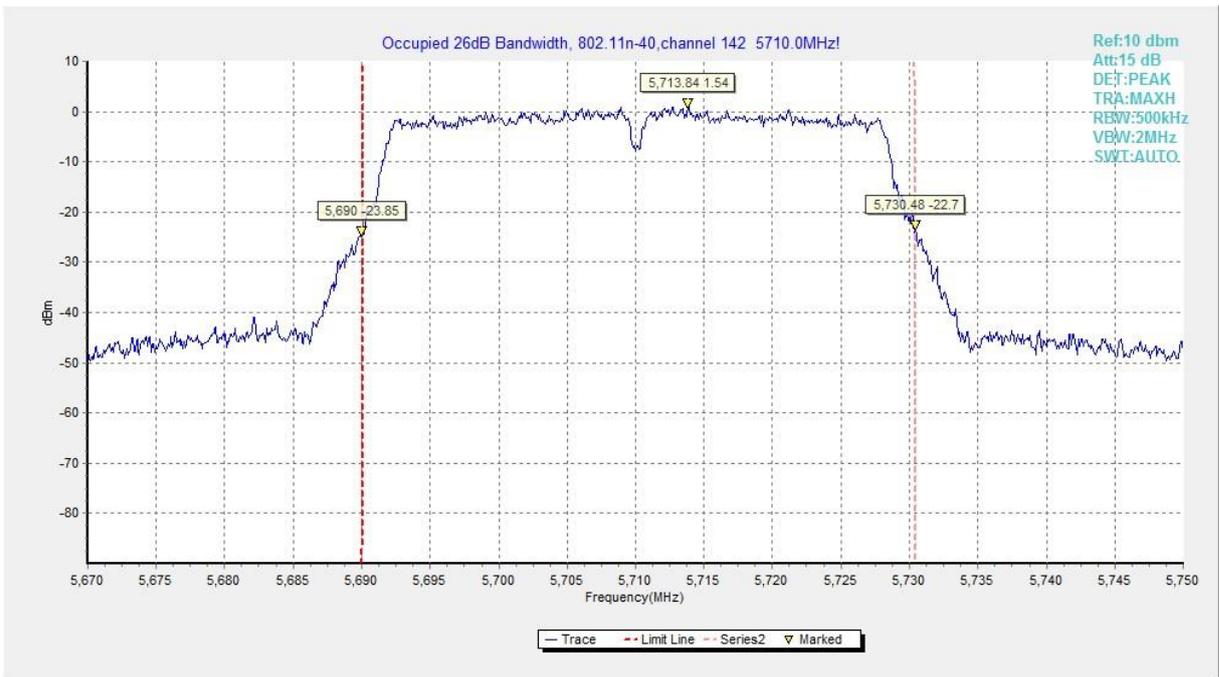


Fig.38 Occupied 26dB Bandwidth (802. 11n-HT40, 5710MHz)

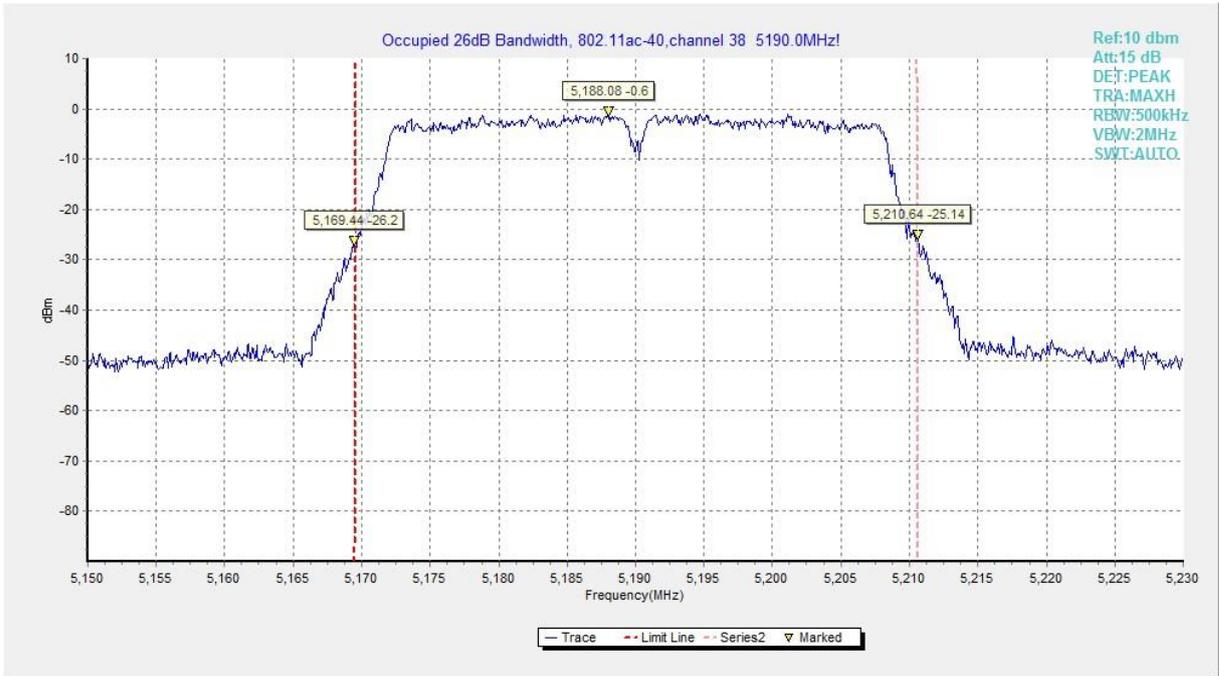


Fig.39 Occupied 26dB Bandwidth (802.11ac-HT40, 5190MHz)

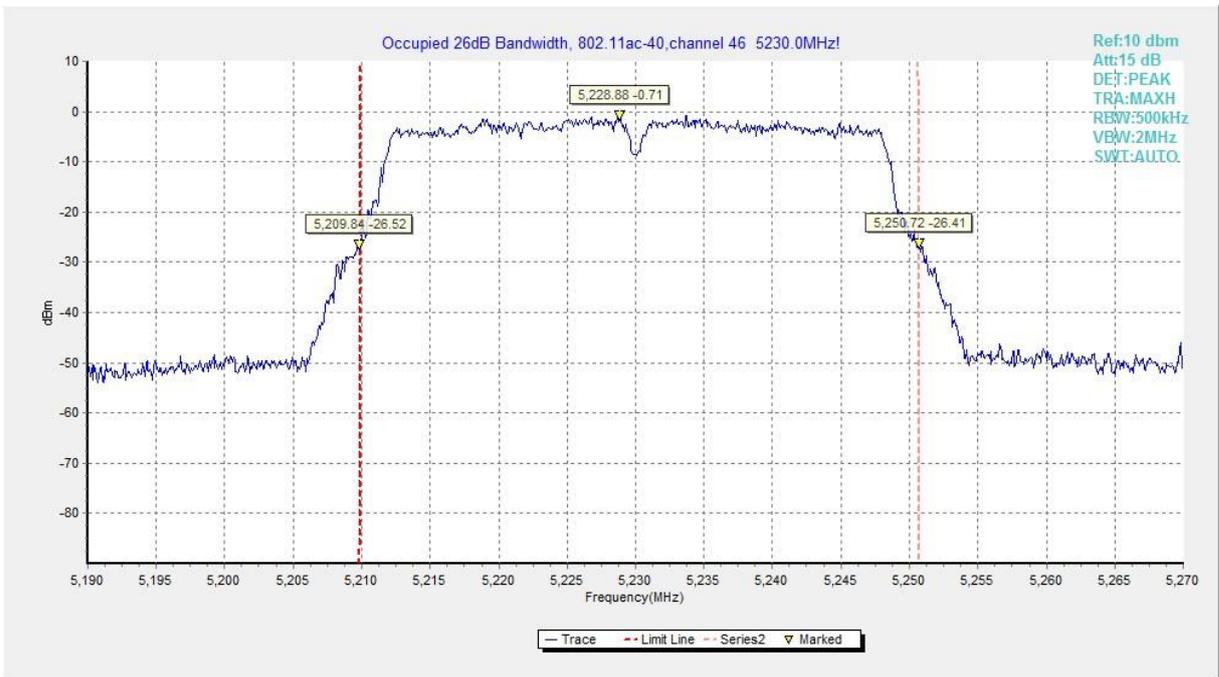


Fig.40 Occupied 26dB Bandwidth (802.11ac-HT40, 5230MHz)

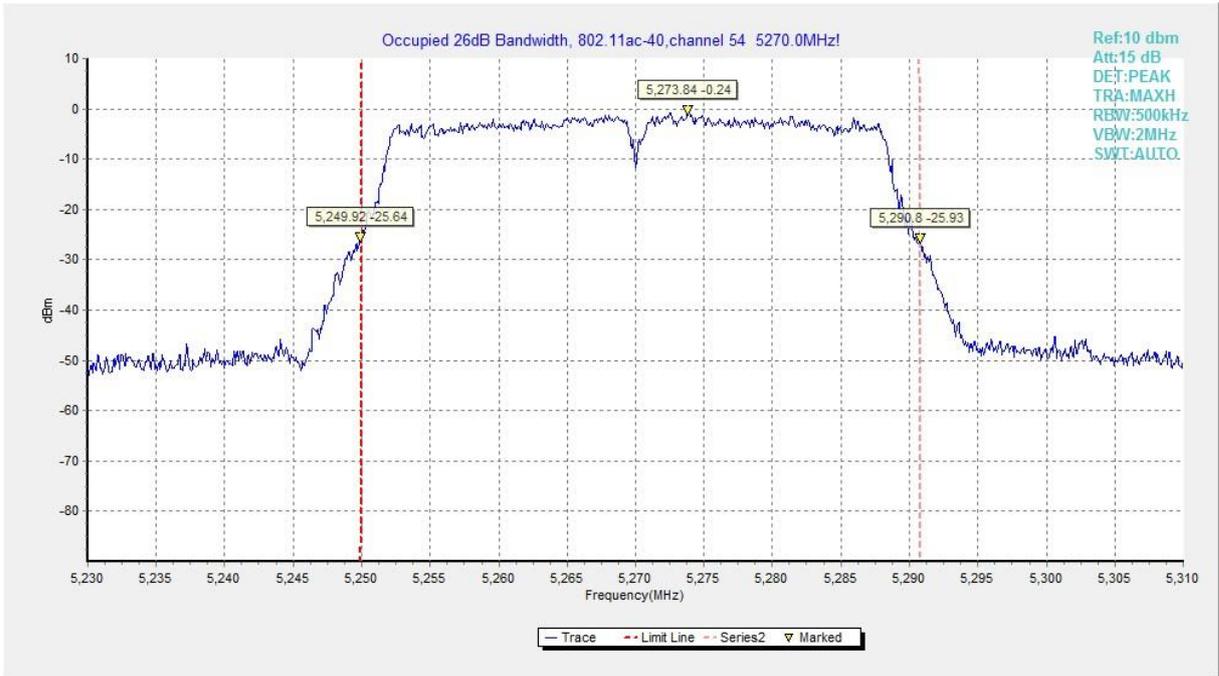


Fig.41 Occupied 26dB Bandwidth (802.11ac-HT40, 5270MHz)

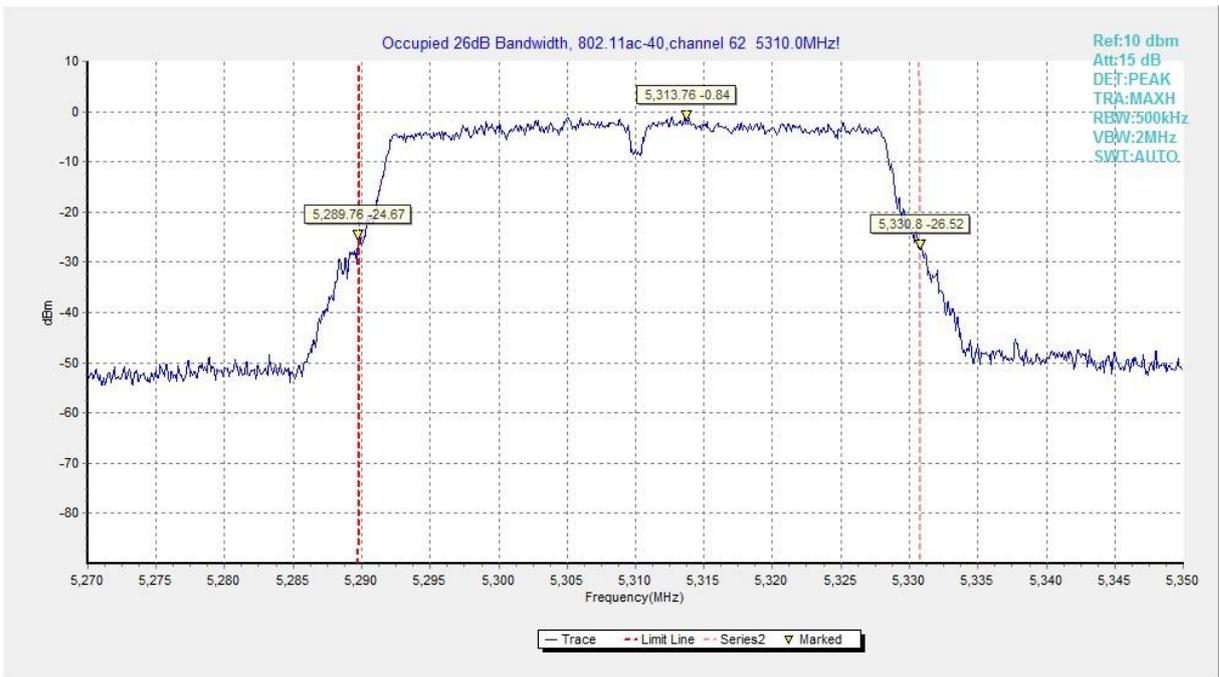


Fig.42 Occupied 26dB Bandwidth (802.11ac-HT40, 5310MHz)

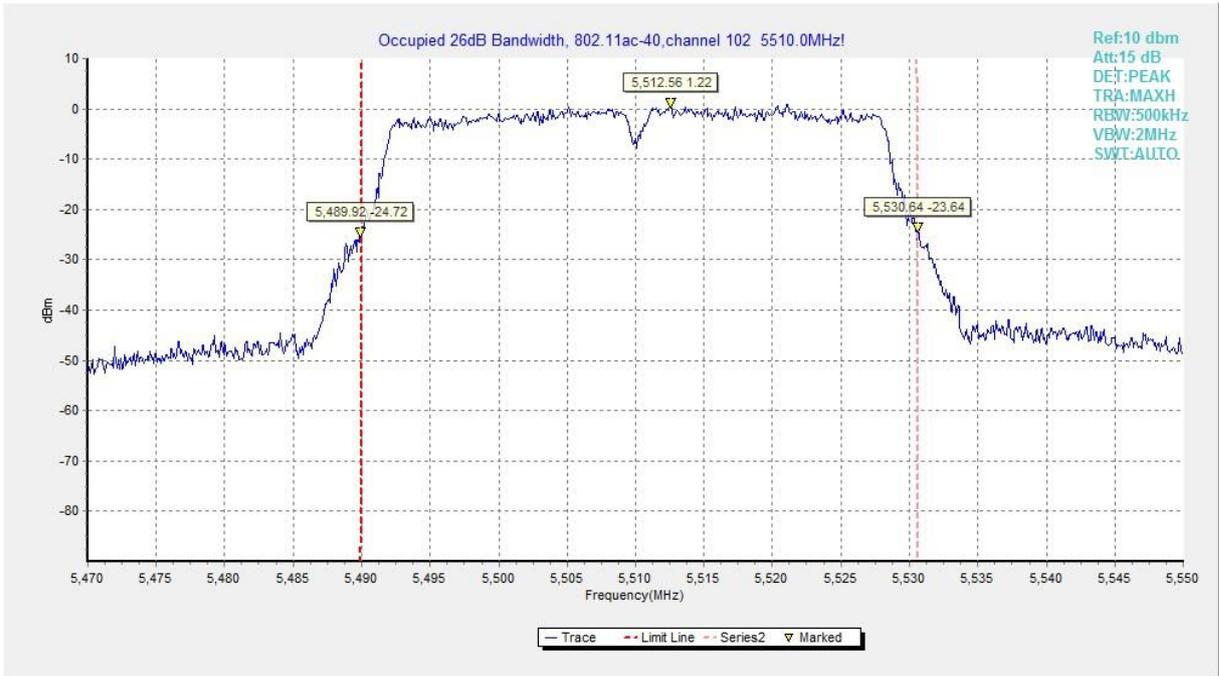


Fig.43 Occupied 26dB Bandwidth (802. 11ac-HT40, 5510MHz)

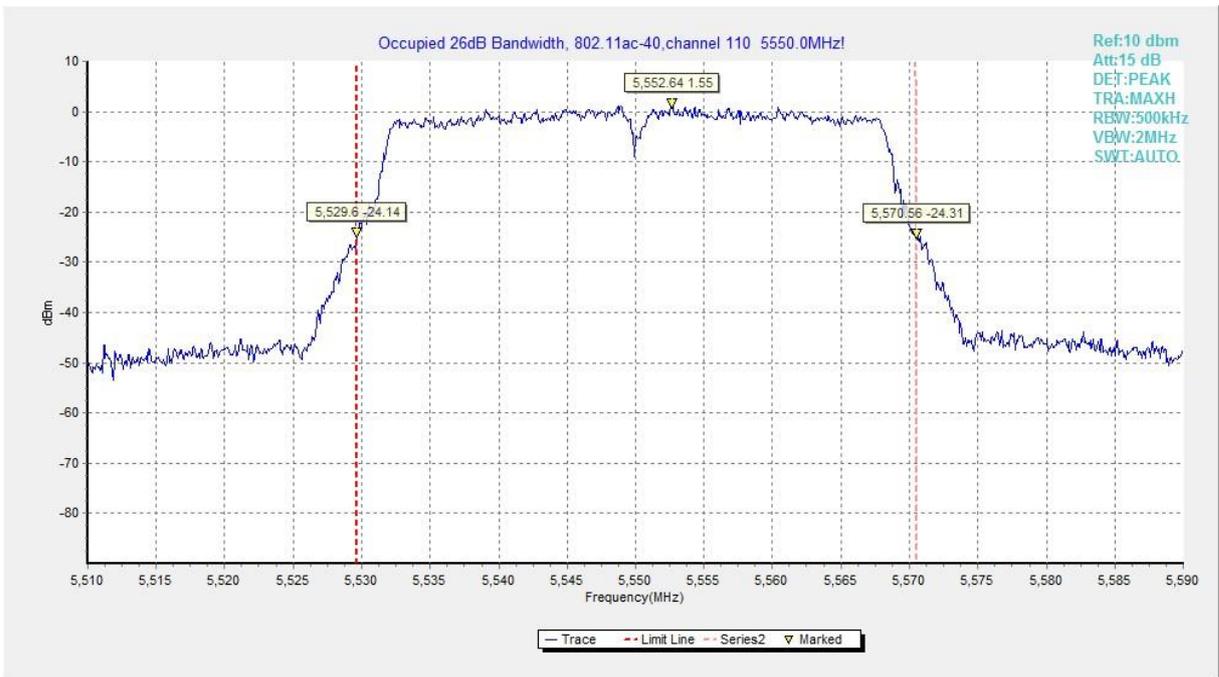


Fig.44 Occupied 26dB Bandwidth (802. 11ac-HT40, 5550MHz)

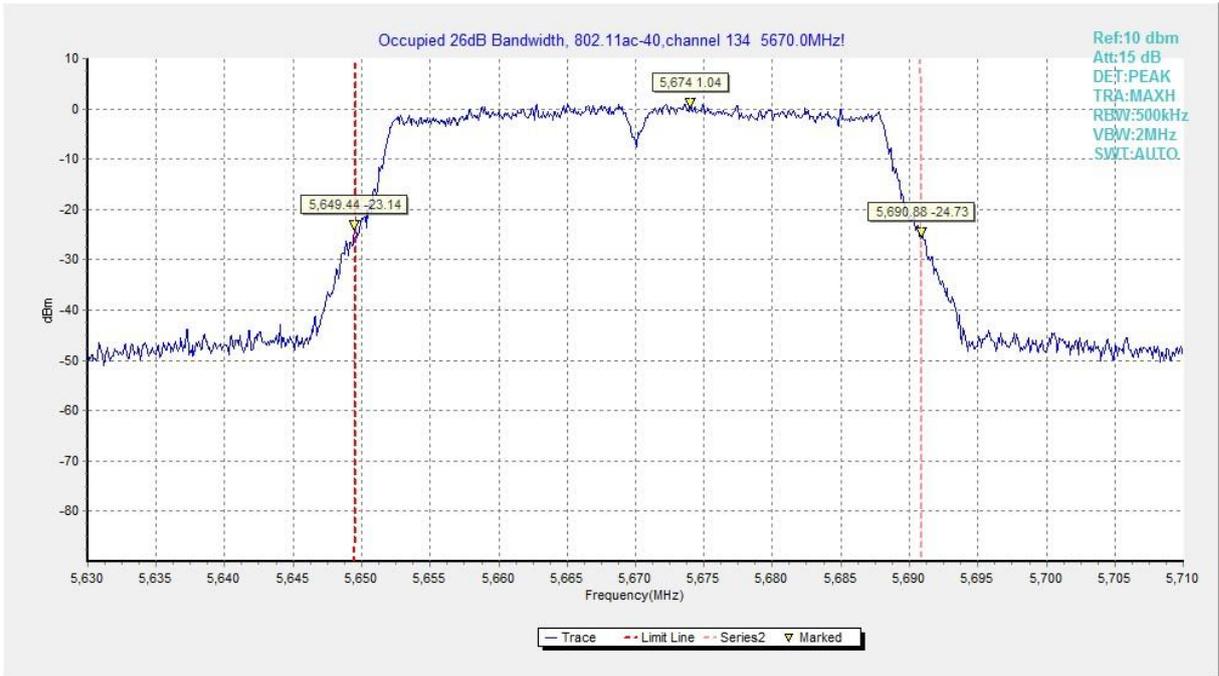


Fig.45 Occupied 26dB Bandwidth (802. 11ac-HT40, 5670MHz)

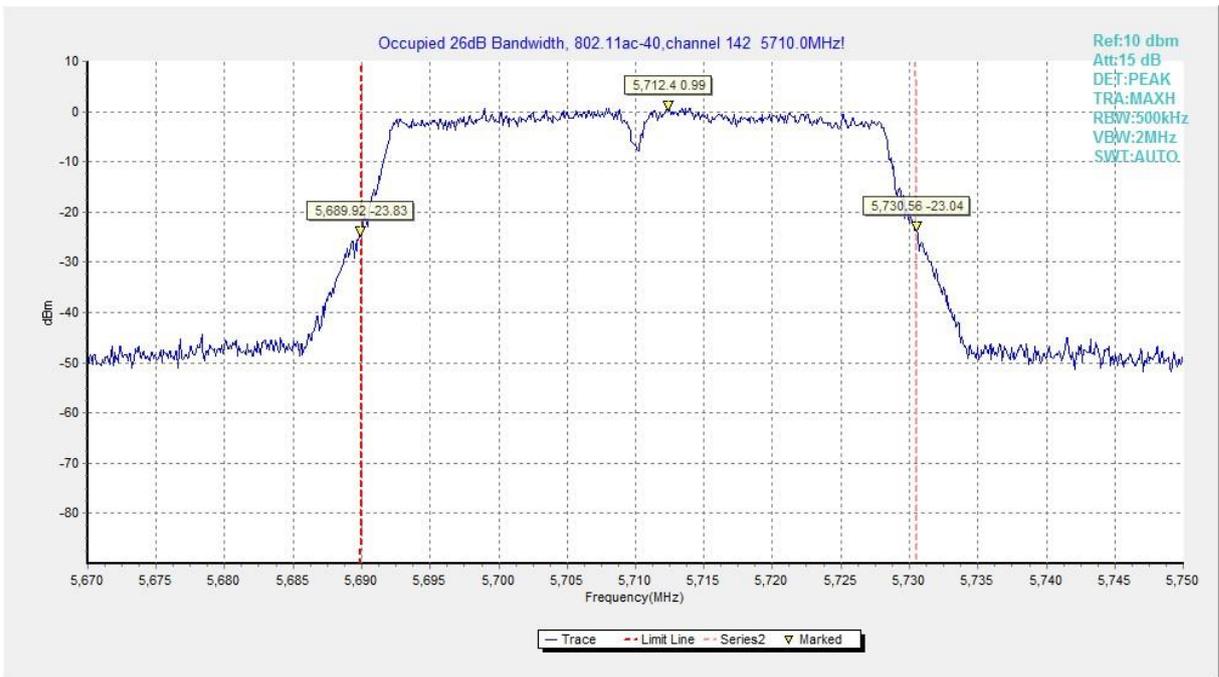


Fig.46 Occupied 26dB Bandwidth (802. 11ac-HT40, 5710MHz)

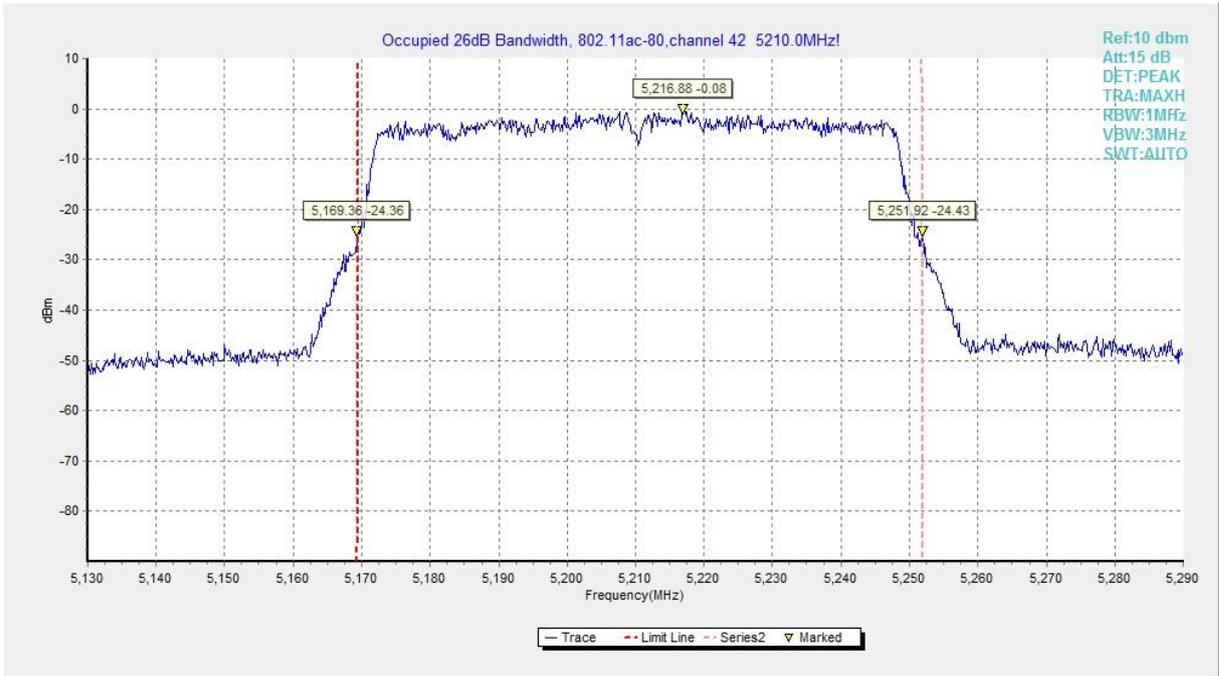


Fig.47 Occupied 26dB Bandwidth (802. 11ac-HT80, 5210MHz)

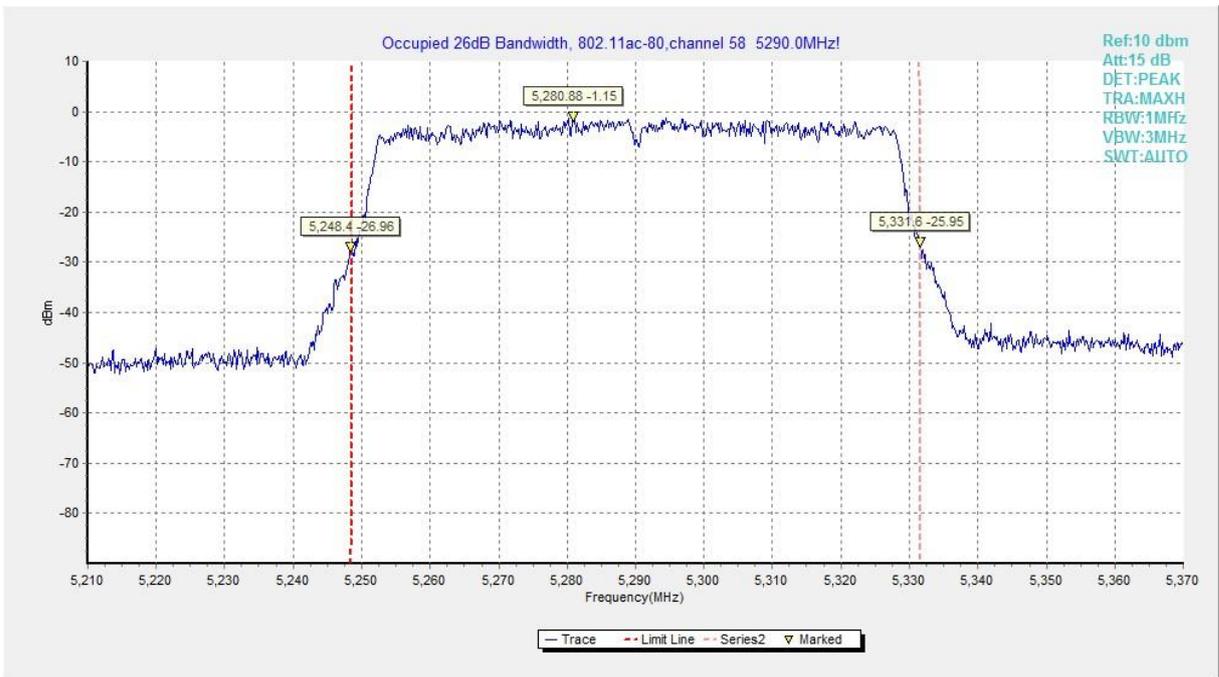


Fig.48 Occupied 26dB Bandwidth (802. 11ac-HT80, 5290MHz)

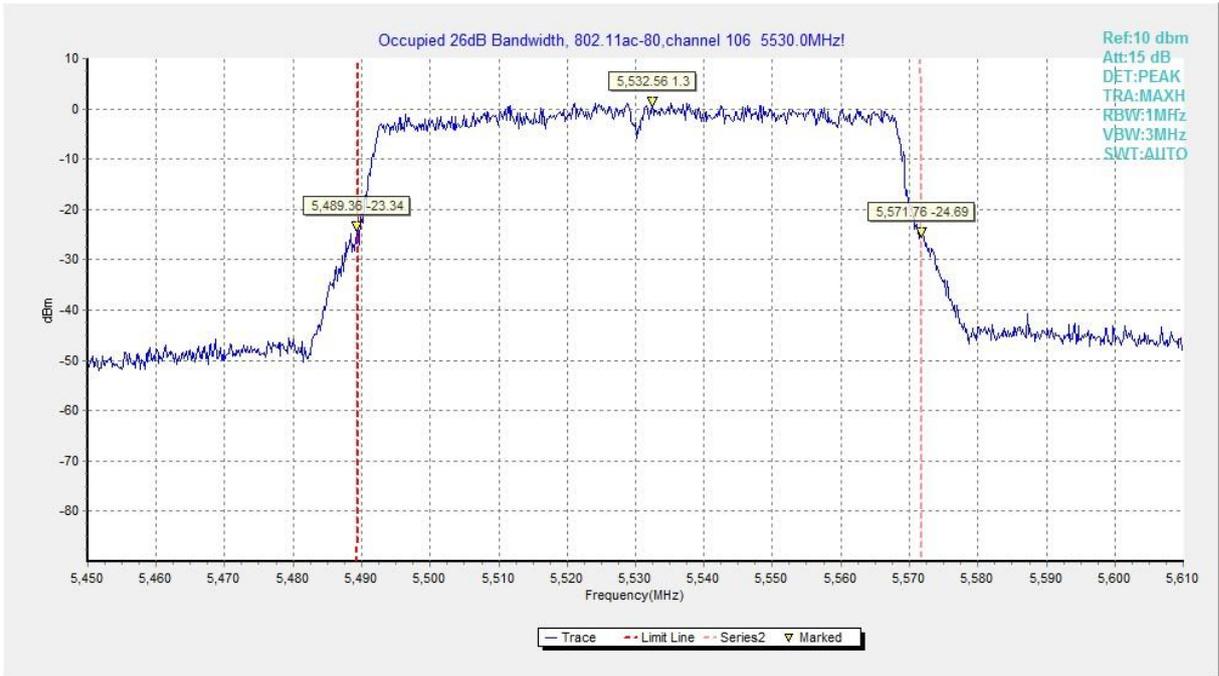


Fig.49 Occupied 26dB Bandwidth (802. 11ac-HT80, 5530MHz)

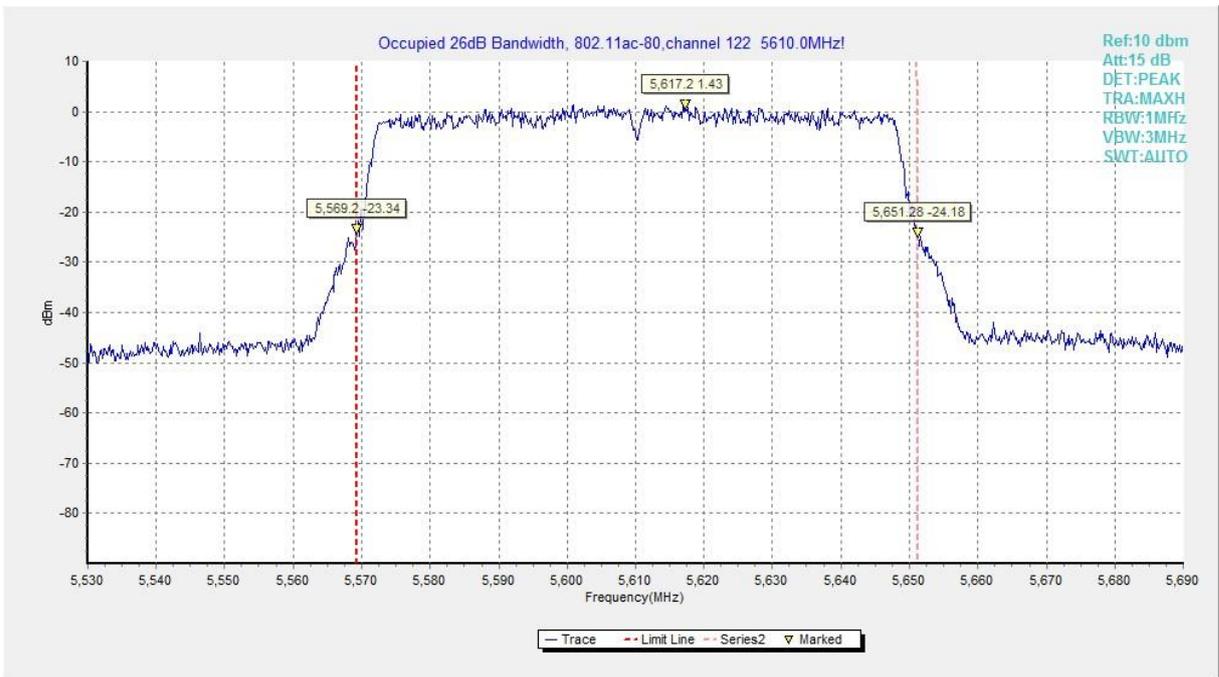


Fig.50 Occupied 26dB Bandwidth (802. 11ac-HT80, 5610MHz)

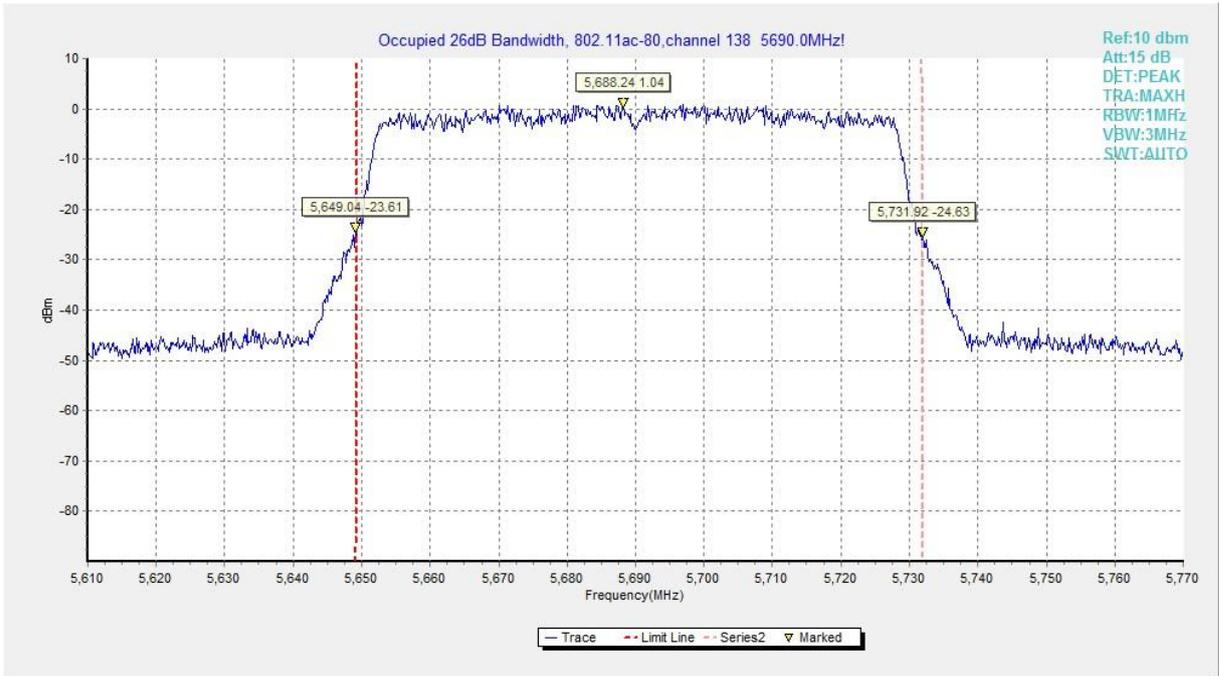


Fig.51 Occupied 26dB Bandwidth (802. 11ac-HT80, 5690MHz)

B.5. Band Edges Compliance

B.5.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit (dB μ V/m)	
	FCC 47 CFR Part 15.209	Peak
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 Result:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.52	P
	5320 MHz	Fig.53	P
	5500 MHz	Fig.54	P
	5700 MHz	Fig.55	P
802.11n HT20	5180 MHz	Fig.56	P
	5320 MHz	Fig.57	P
	5500 MHz	Fig.58	P
	5700 MHz	Fig.59	P
802.11ac HT20	5180 MHz	Fig.60	P
	5320 MHz	Fig.61	P
	5500 MHz	Fig.62	P
	5700 MHz	Fig.63	P
802.11n HT40	5190 MHz	Fig.64	P
	5310 MHz	Fig.65	P
	5510 MHz	Fig.66	P
	5670 MHz	Fig.67	P
802.11ac HT40	5190 MHz	Fig.68	P
	5310 MHz	Fig.69	P
	5510 MHz	Fig.70	P
	5670 MHz	Fig.71	P
802.11ac HT80	5210MHz	Fig.72	P
	5290MHz	Fig.73	P
	5530MHz	Fig.74	P
	5610MHz	Fig.75	P

Conclusion: PASS

Measurement Result BY EUT5:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.76	P
	5320 MHz	Fig.77	P
	5500 MHz	Fig.78	P
	5700 MHz	Fig.79	P
802.11n HT40	5190 MHz	Fig.80	P
	5310 MHz	Fig.81	P
	5510 MHz	Fig.82	P
	5670 MHz	Fig.83	P
802.11ac HT80	5210MHz	Fig.84	P
	5290MHz	Fig.85	P
	5530MHz	Fig.86	P
	5610MHz	Fig.87	P

Conclusion: PASS

Test graphs as below:

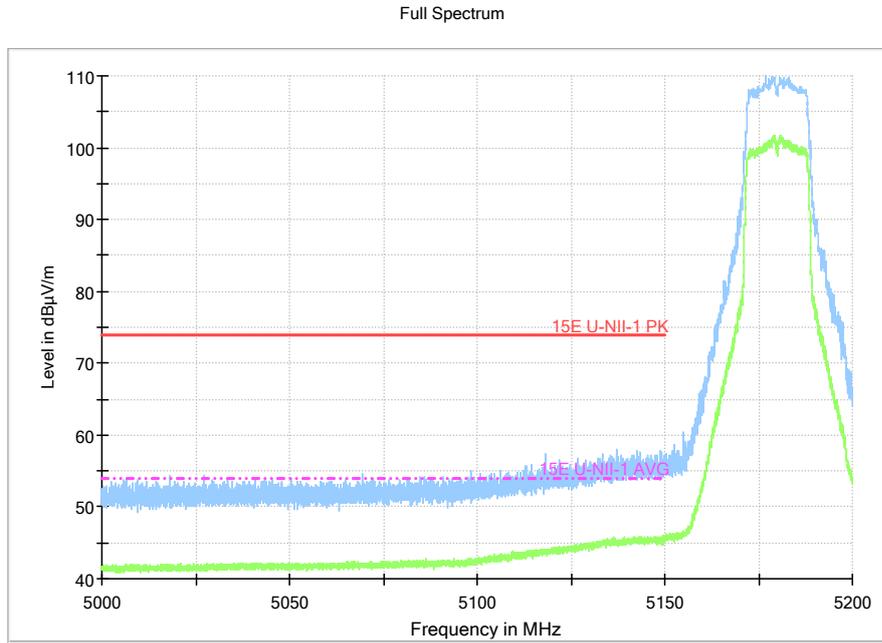


Fig.52 Band Edges (802.11a, 5180MHz)

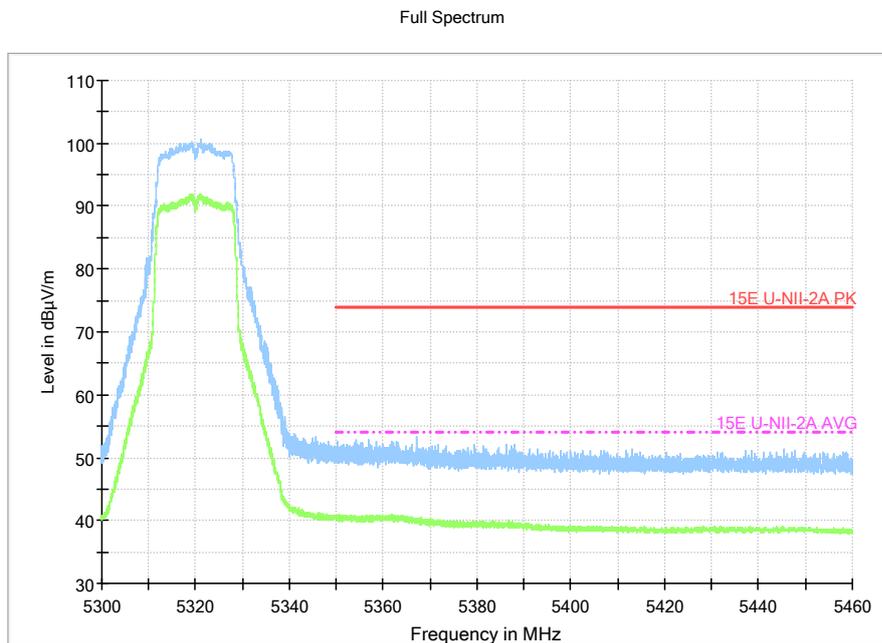


Fig.53 Band Edges (802.11a, 5320MHz)

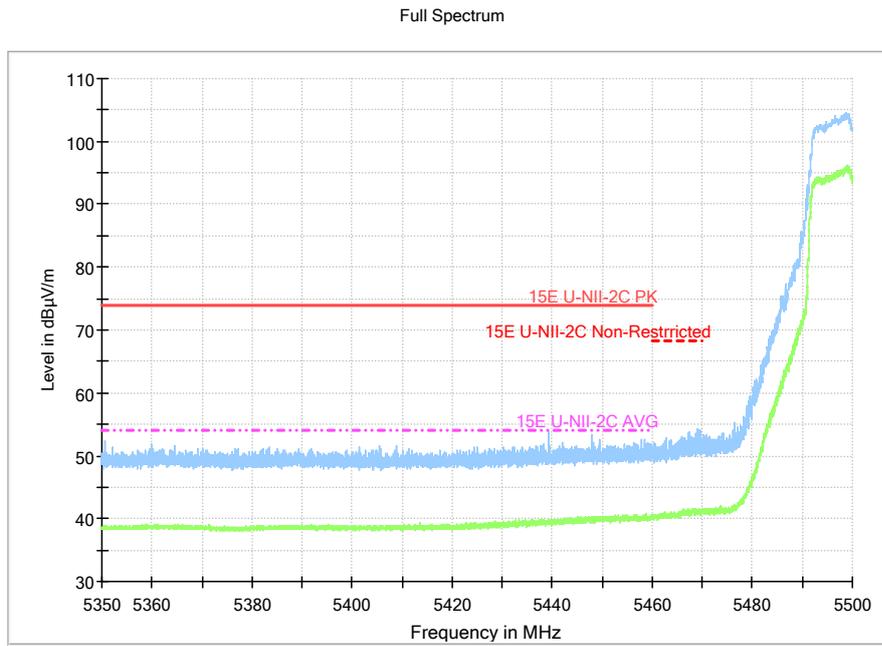


Fig.54 Band Edges (802.11a, 5500MHz)

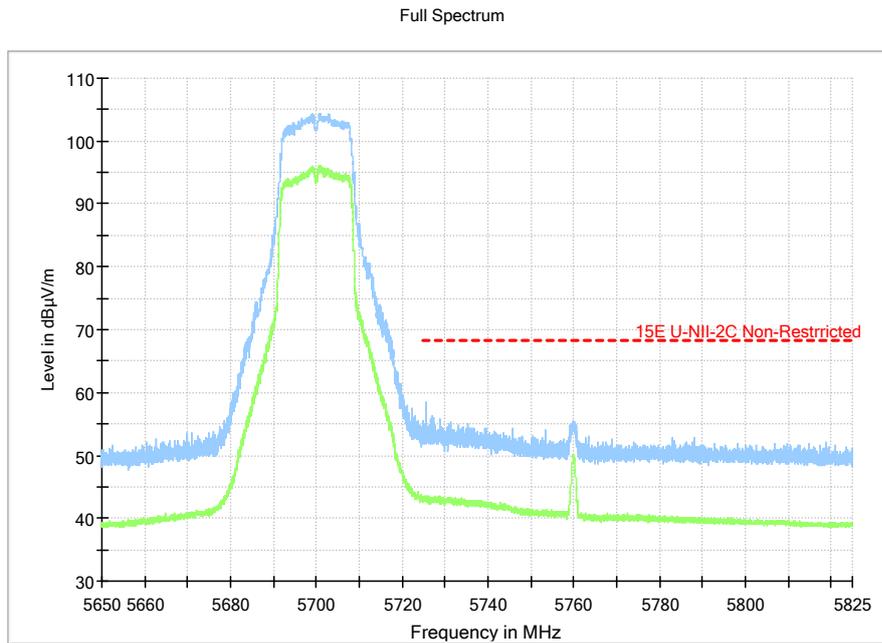


Fig.55 Band Edges (802.11a, 5700MHz)

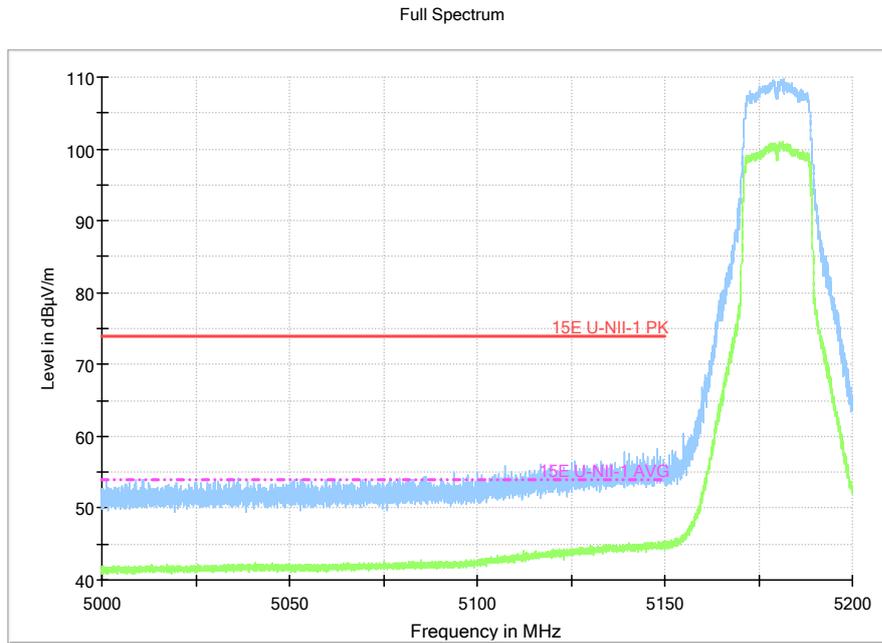


Fig.56 Band Edges (802.11n-HT20, 5180MHz)

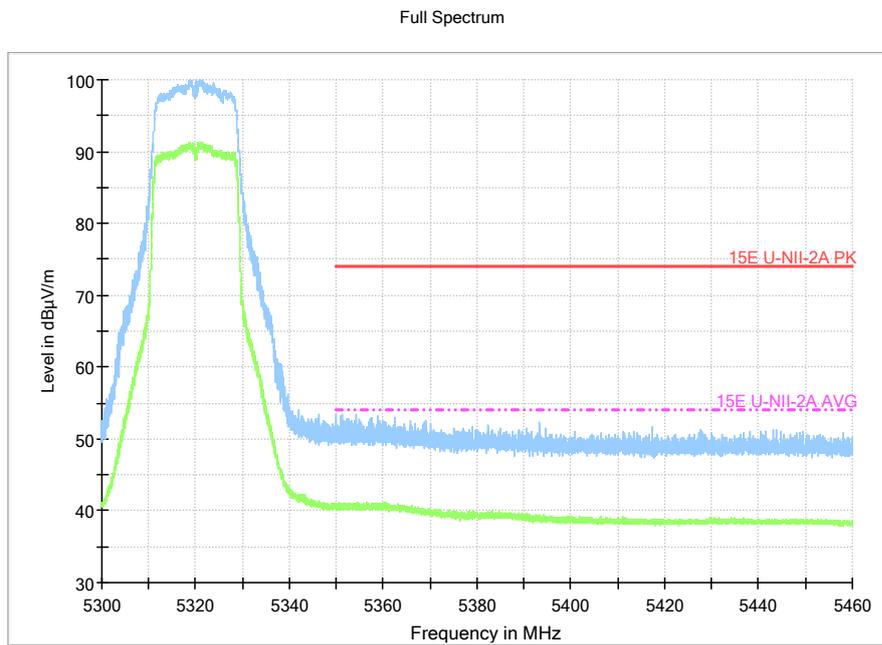


Fig.57 Band Edges (802.11n-HT20, 5320MHz)

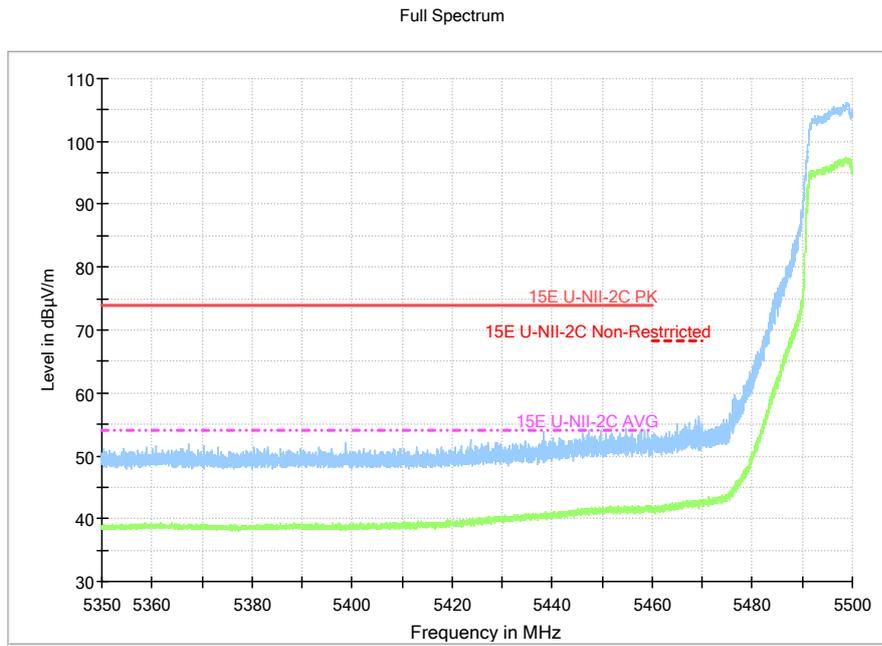


Fig.58 Band Edges (802.11n-HT20, 5500MHz)

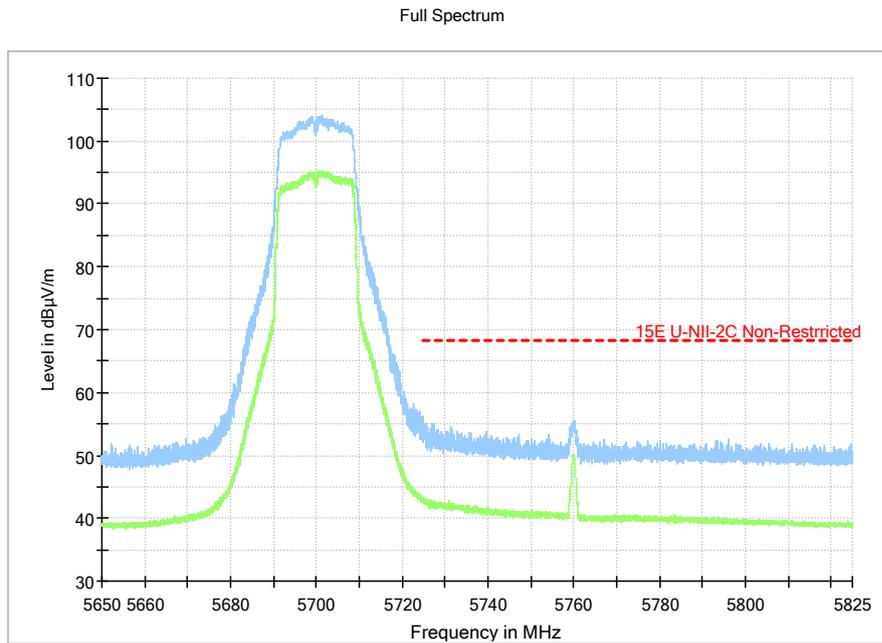


Fig.59 Band Edges (802.11n-HT20, 5700MHz)

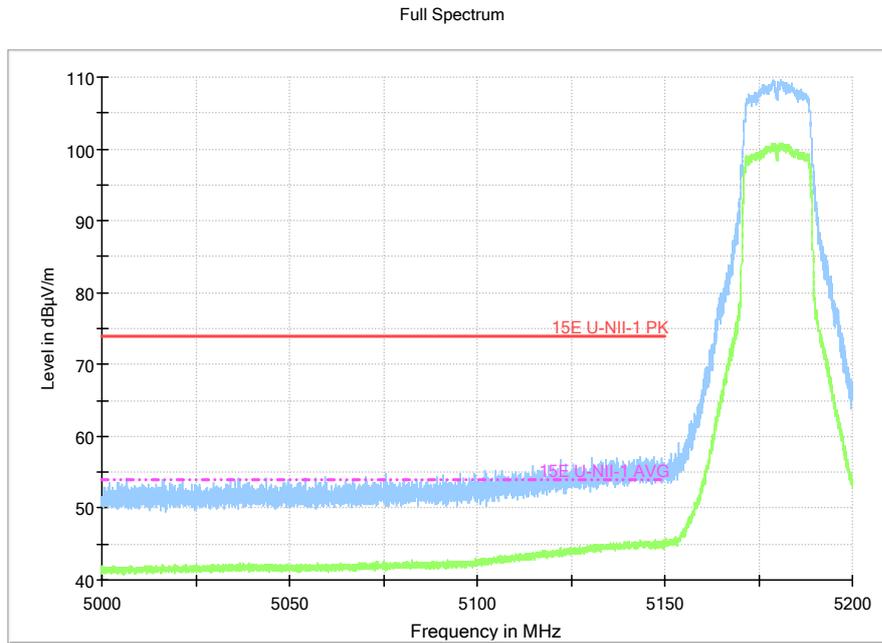


Fig.60 Band Edges (802.11ac-HT20, 5180MHz)

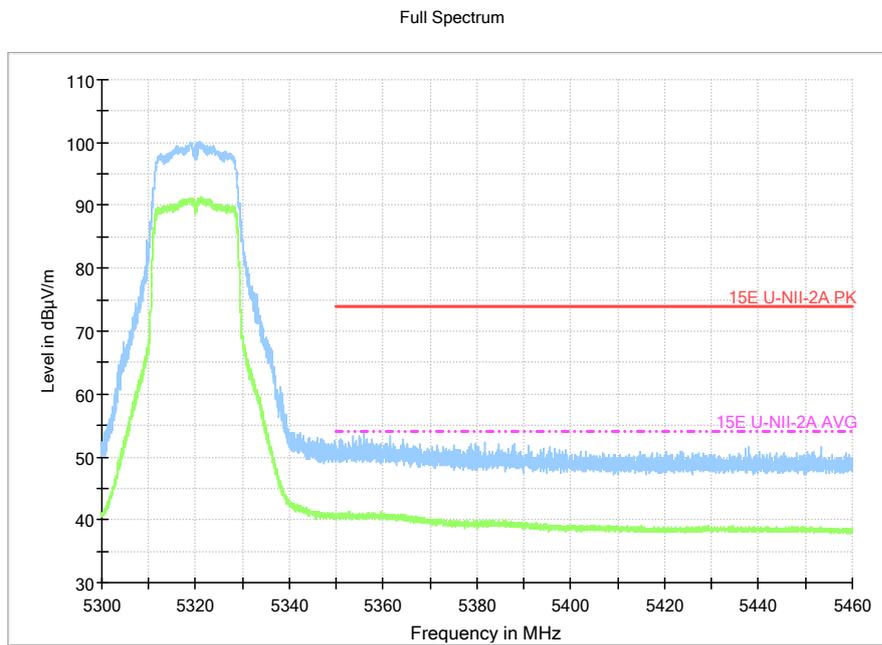


Fig.61 Band Edges (802.11ac-HT20, 5320MHz)

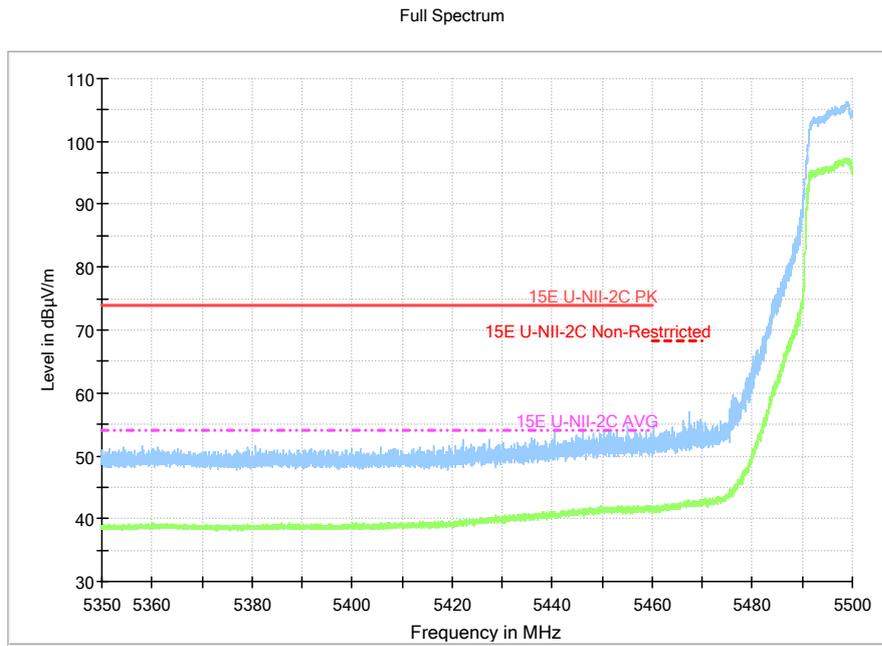


Fig.62 Band Edges (802.11ac-HT20, 5500MHz)

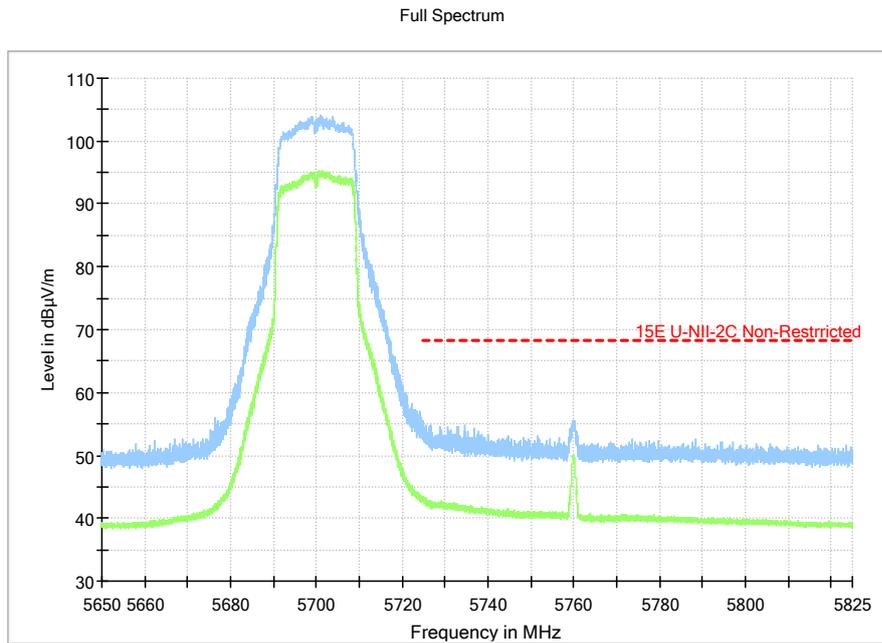


Fig.63 Band Edges (802.11ac-HT20, 5700MHz)

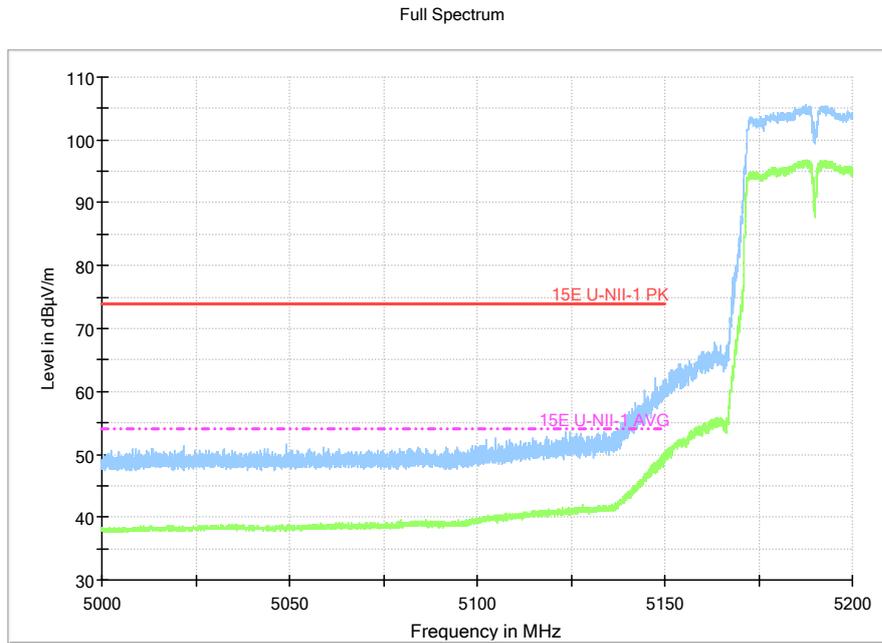


Fig.64 Band Edges (802.11n-HT40, 5190MHz)

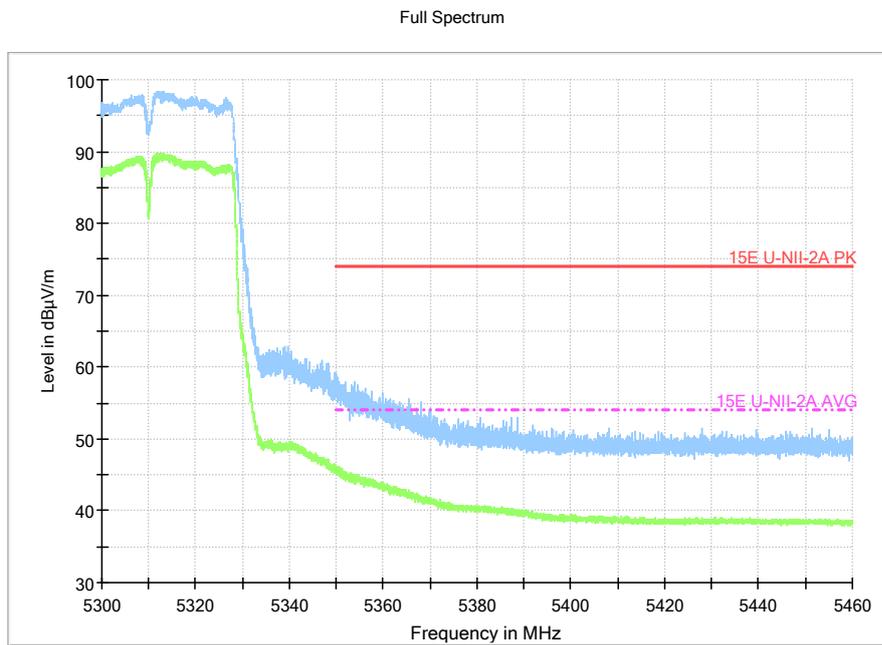


Fig.65 Band Edges (802.11n-HT40, 5310MHz)

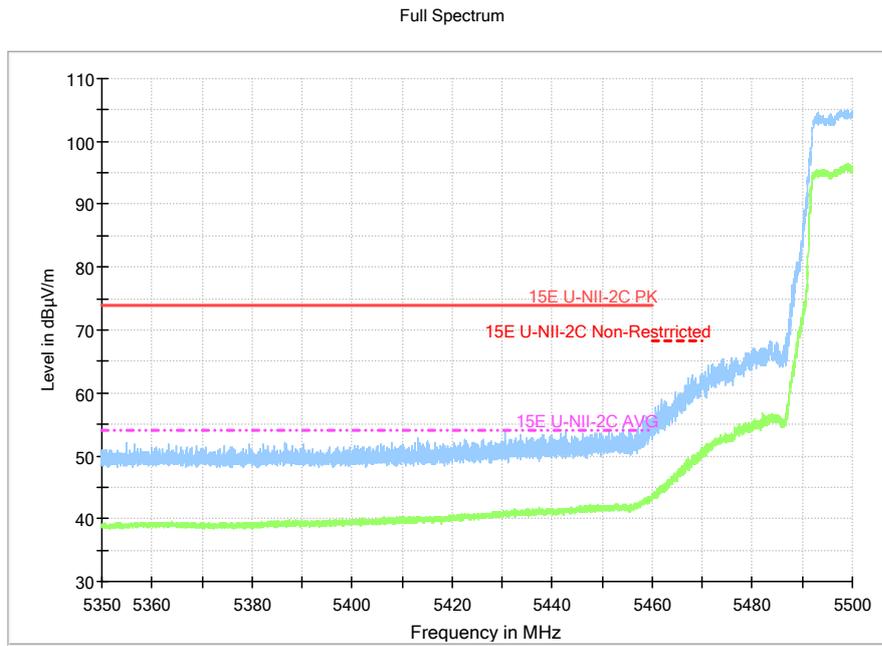


Fig.66 Band Edges (802.11n-HT40, 5510MHz)

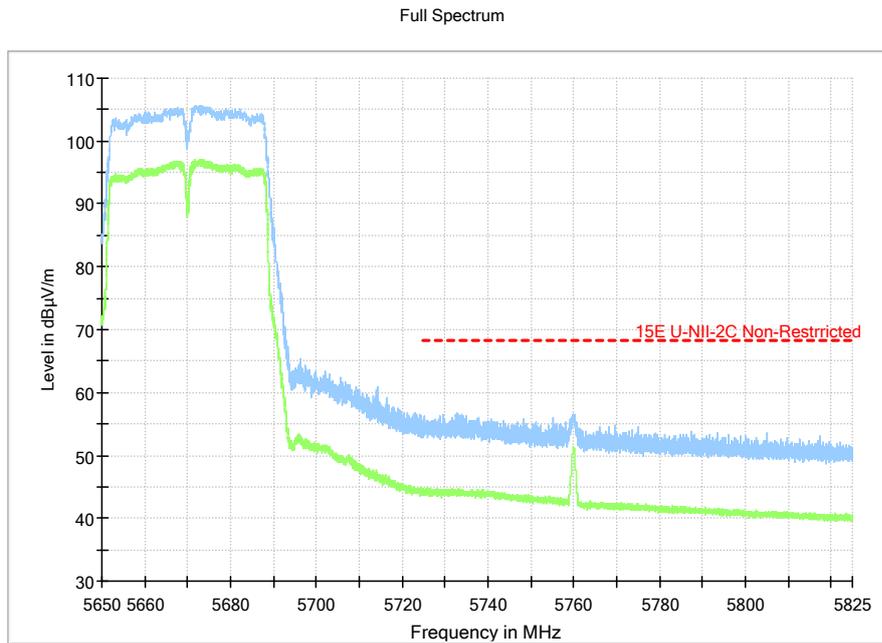


Fig.67 Band Edges (802.11n-HT40, 5670MHz)

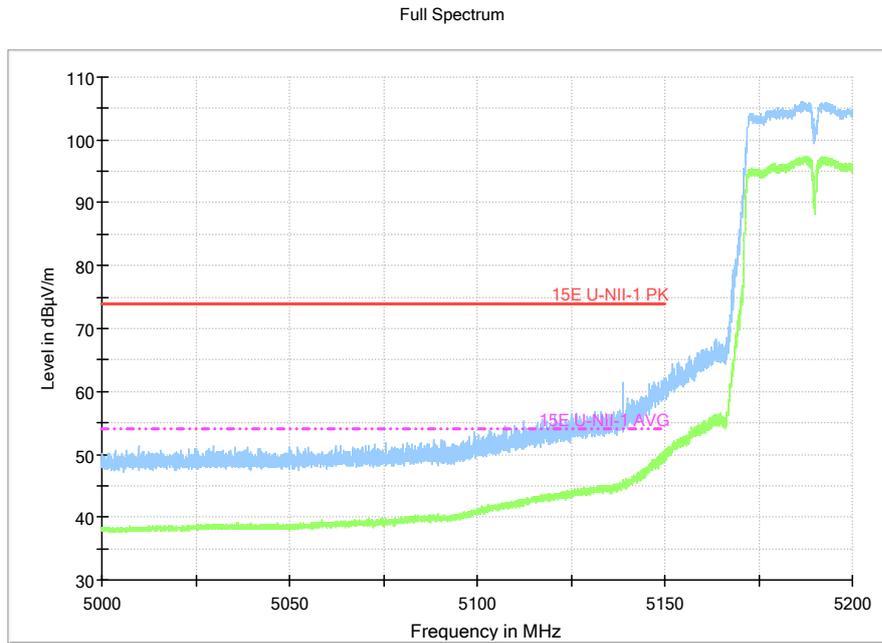


Fig.68 Band Edges (802.11ac-HT40, 5190MHz)

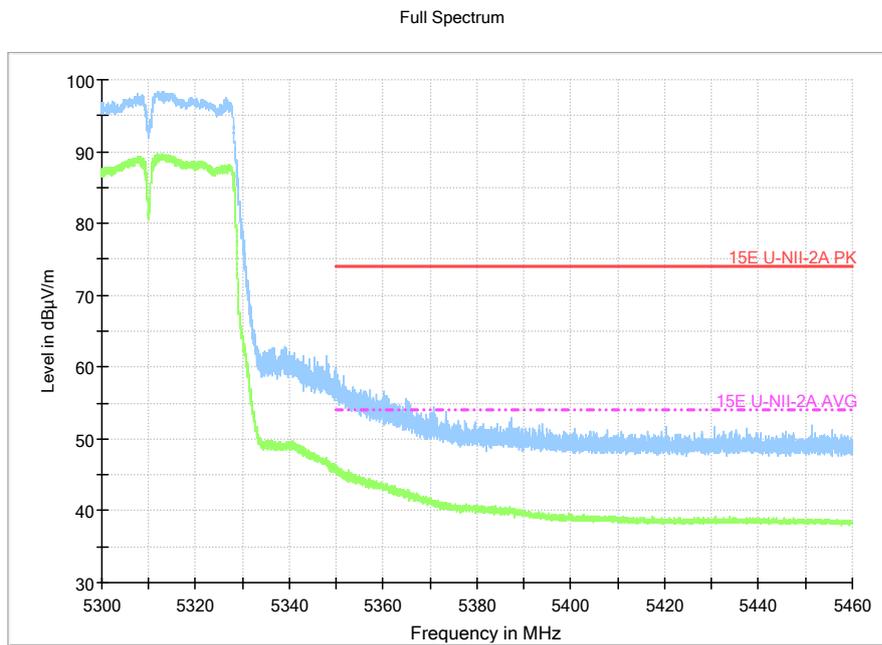


Fig.69 Band Edges (802.11ac-HT40, 5310MHz)

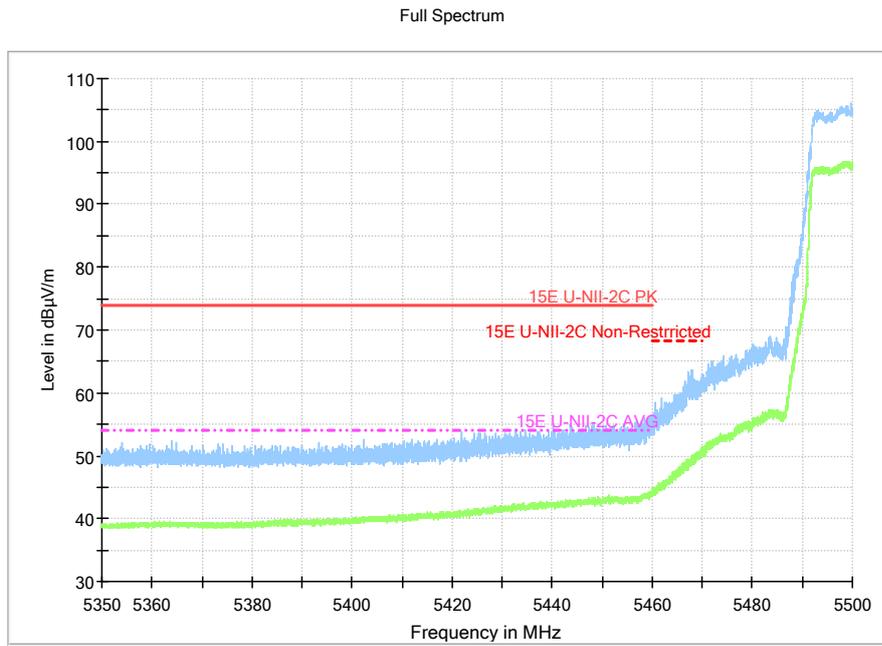


Fig.70 Band Edges (802.11ac-HT40, 5510MHz)

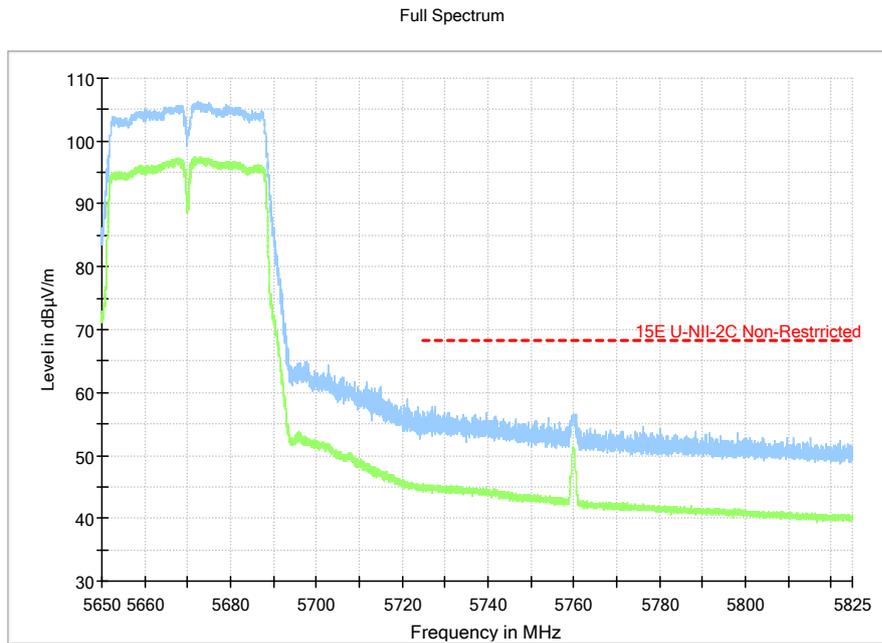


Fig.71 Band Edges (802.11ac-HT40, 5670MHz)

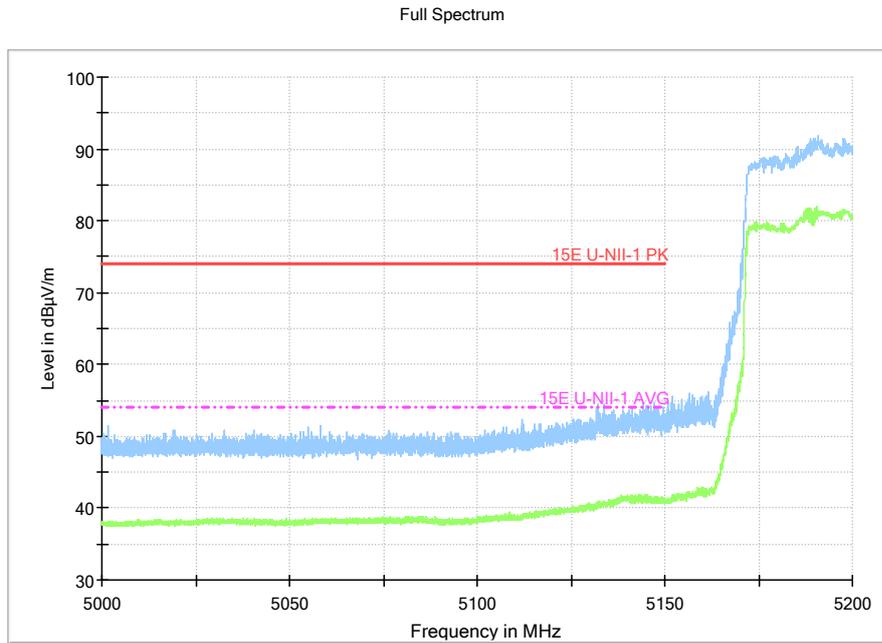


Fig.72 Band Edges (802.11ac-HT80, 5210MHz)

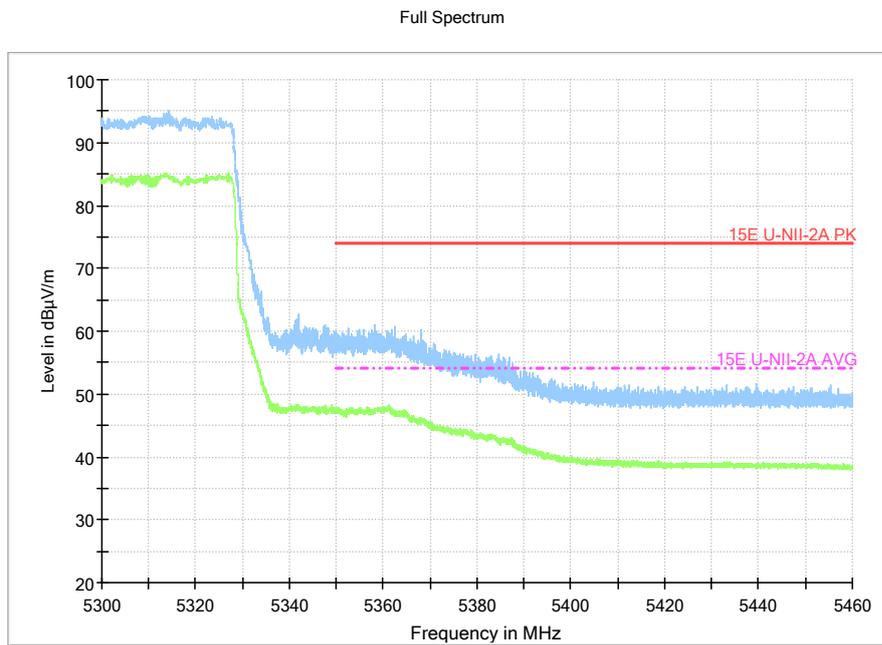


Fig.73 Band Edges (802.11ac-HT80, 5290MHz)

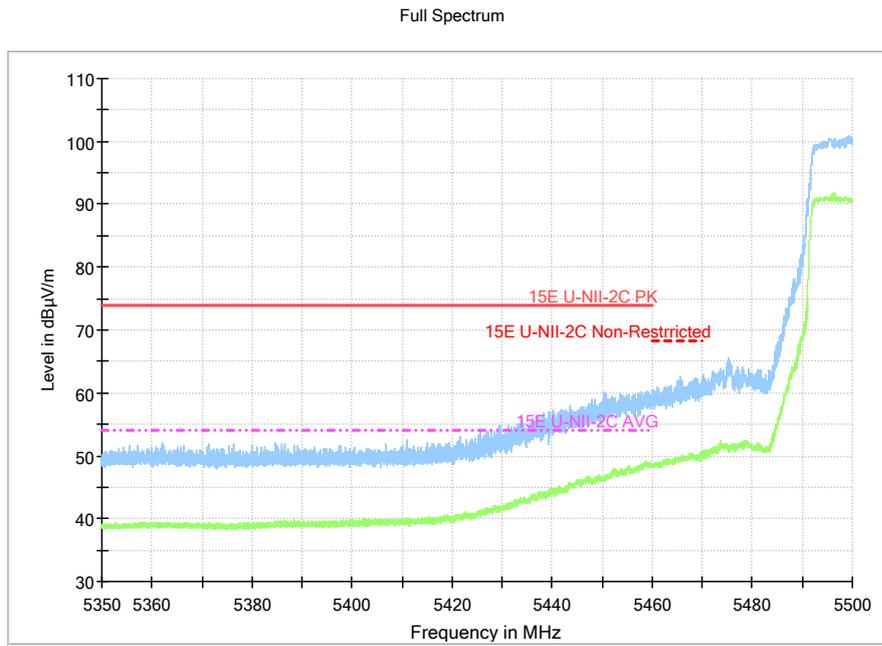


Fig.74 Band Edges (802.11ac-HT80, 5530MHz)

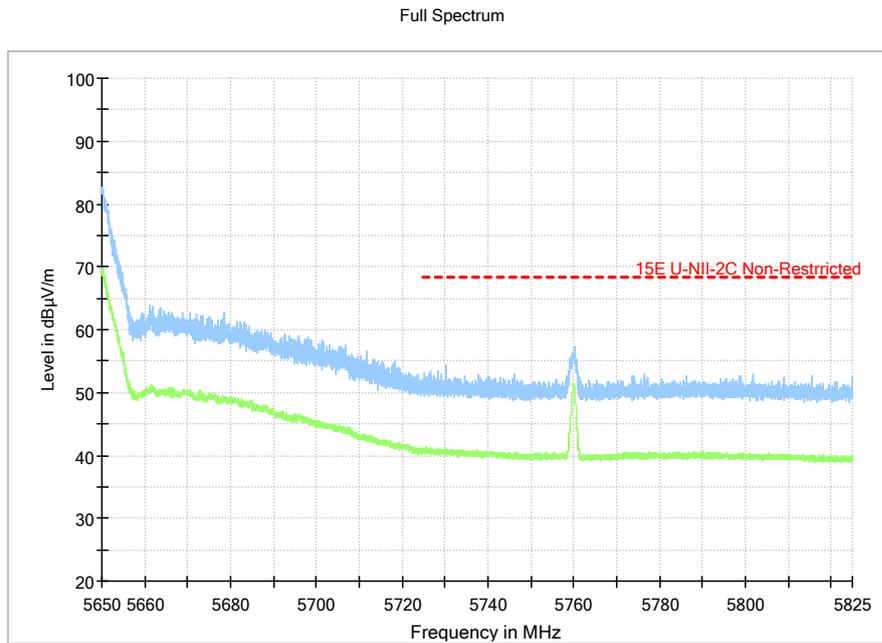


Fig.75 Band Edges (802.11ac-HT80, 5610MHz)

Test graphs as below BY EUT5:

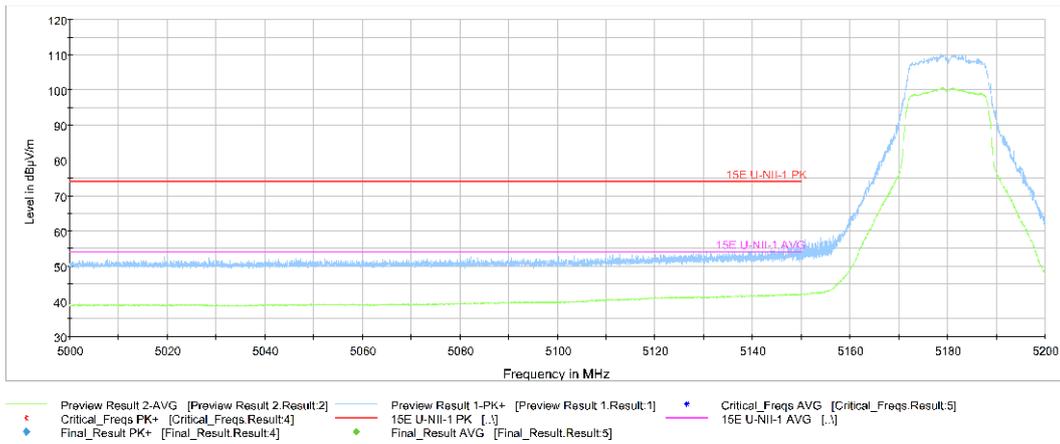


Fig.76 Band Edges (802.11a, 5180MHz) BY EUT5

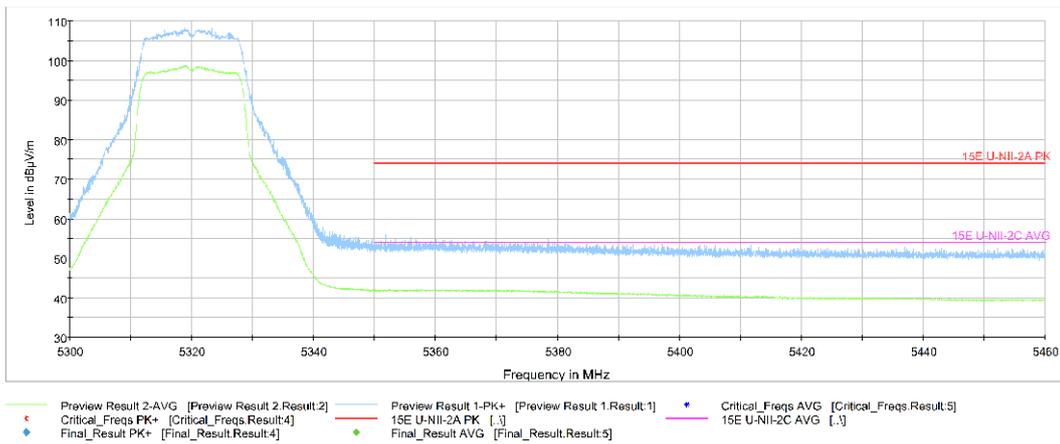


Fig.77 Band Edges (802.11a, 5320MHz) BY EUT5

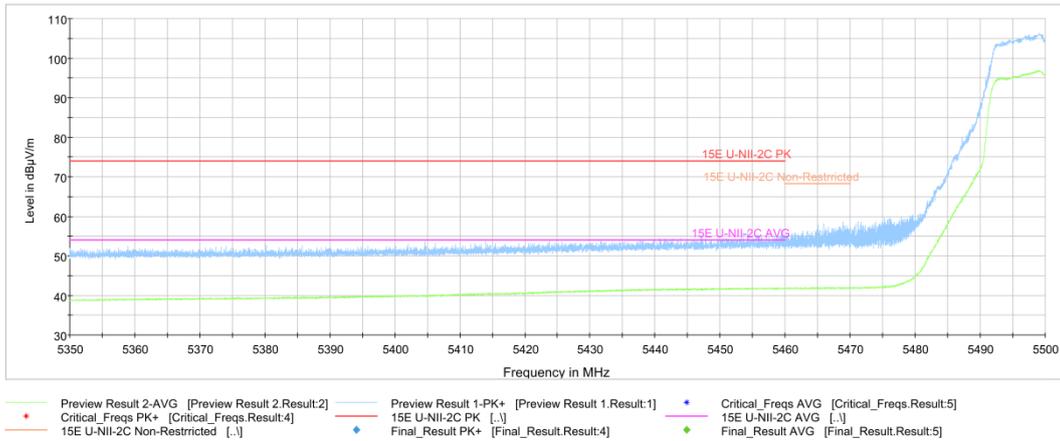


Fig.78 Band Edges (802.11a, 5500MHz) BY EUT5

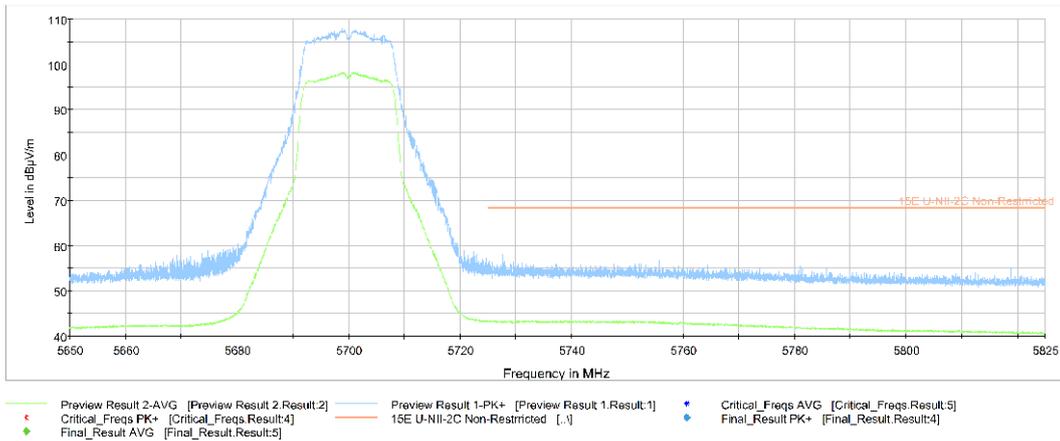


Fig.79 Band Edges (802.11a, 5700MHz) BY EUT5

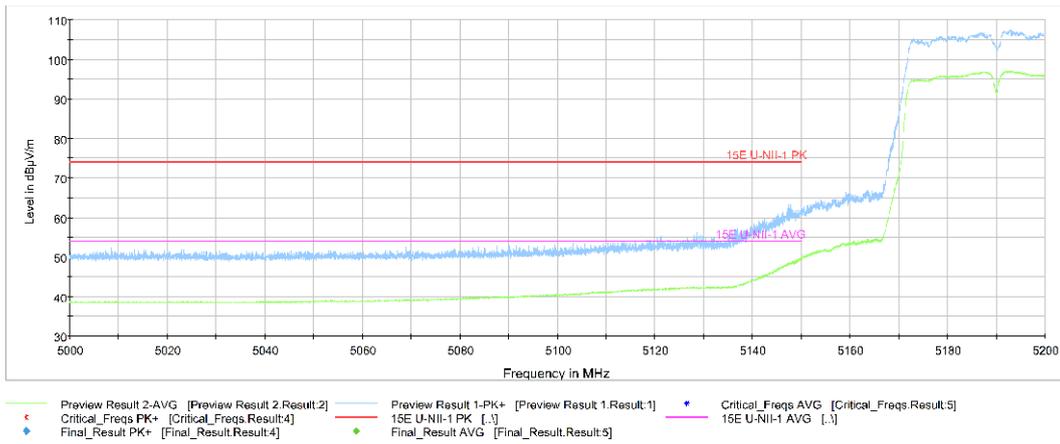


Fig.80 Band Edges (802.11n-HT40, 5190MHz) BY EUT5

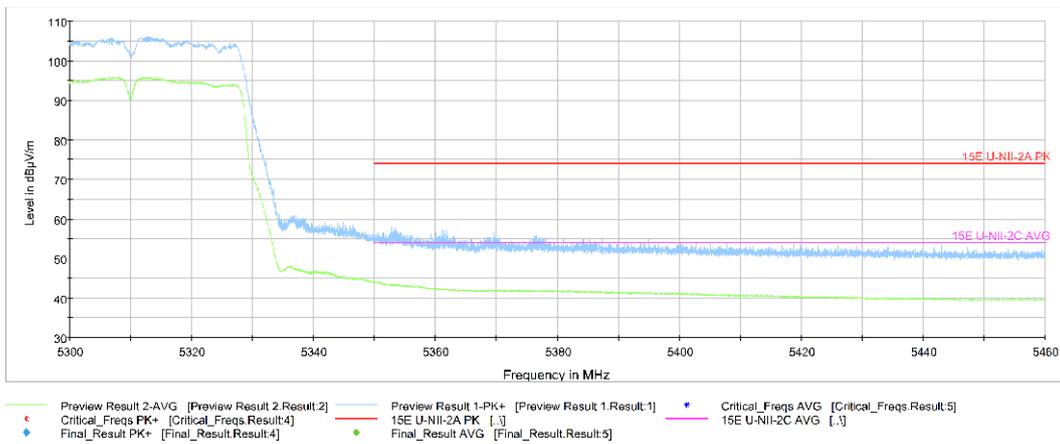


Fig.81 Band Edges (802.11n-HT40, 5310MHz) BY EUT5

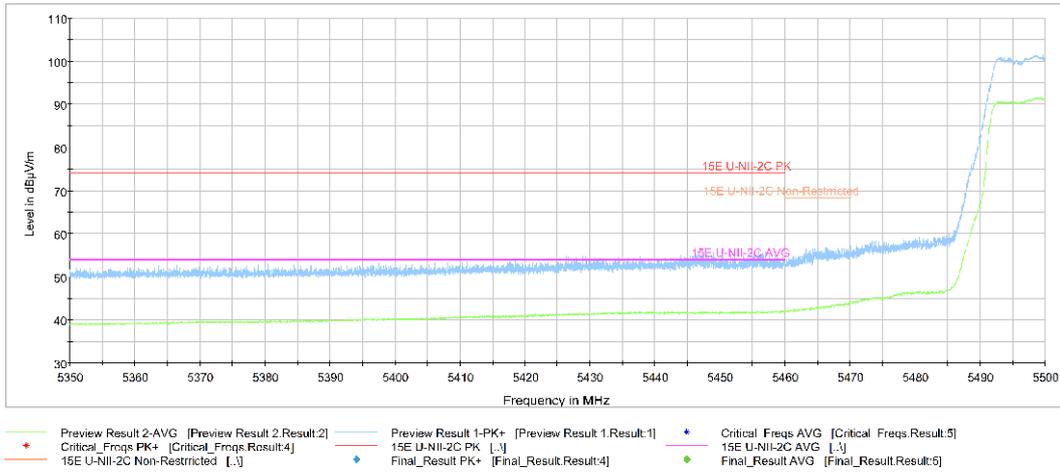


Fig.82 Band Edges (802.11n-HT40, 5510MHz) BY EUT5

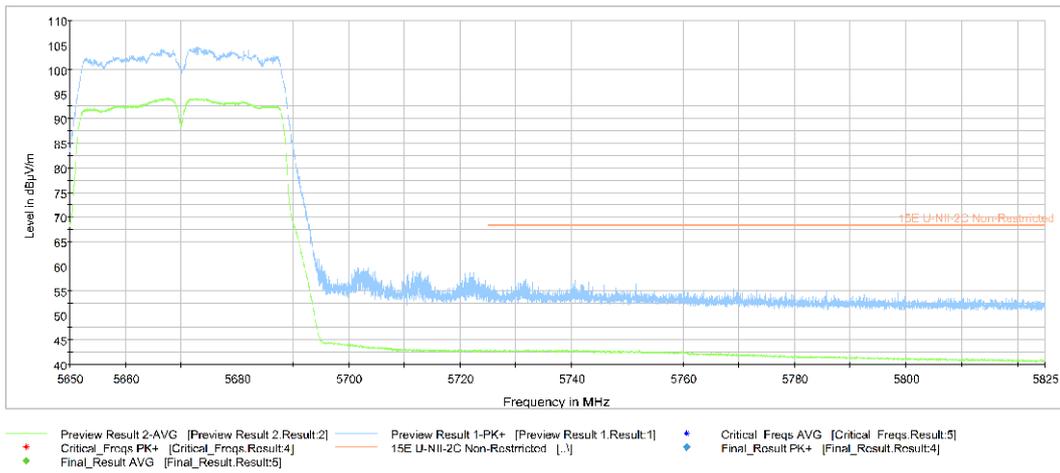


Fig.83 Band Edges (802.11n-HT40, 5670MHz) BY EUT5

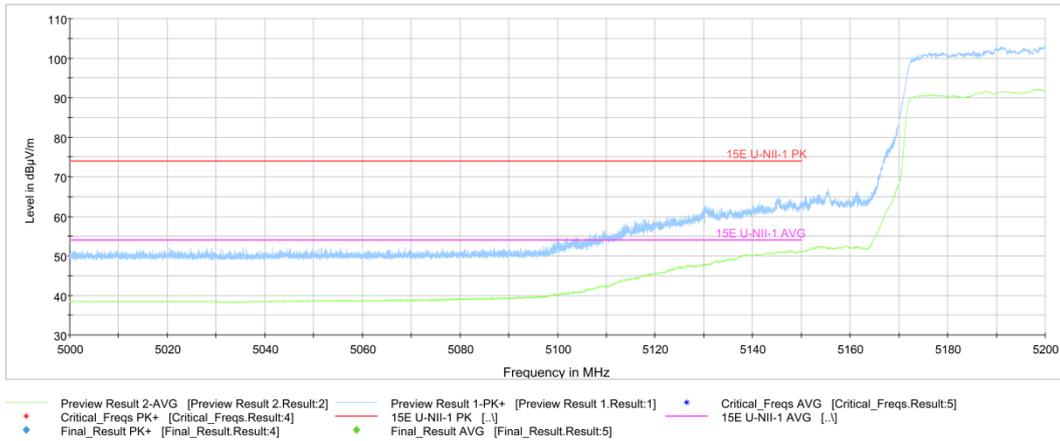


Fig.84 Band Edges (802.11ac-HT80, 5210MHz) BY EUT5

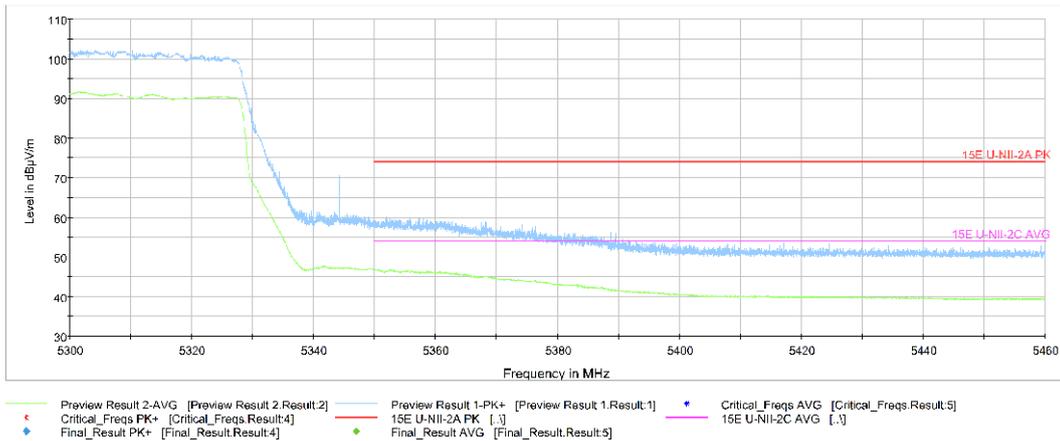


Fig.85 Band Edges (802.11ac-HT80, 5290MHz) BY EUT5

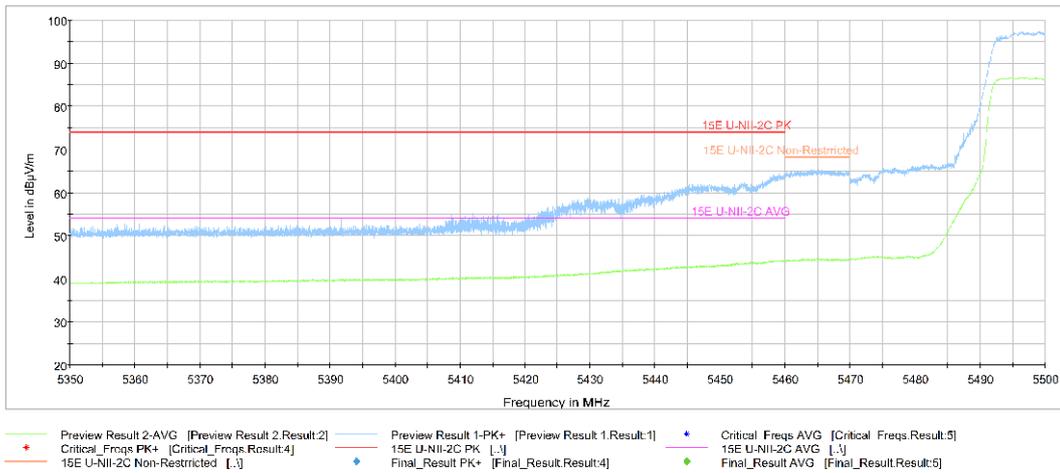


Fig.86 Band Edges (802.11ac-HT80, 5530MHz) BY EUT5

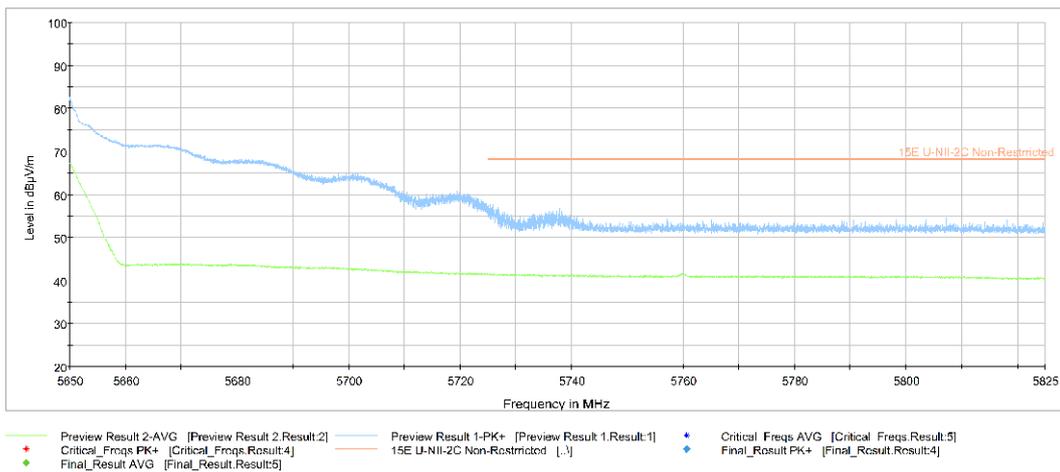


Fig.87 Band Edges (802.11ac-HT80, 5610MHz) BY EUT5

B.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 Results:

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the cable loss(the gain of the preamplifier), the gain of receive antenna.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$

Average

802.11a

Channel 36

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17990.1	47.5	-25.5	46.7	26.3	V	54	6.5
17973.6	47.2	-25.5	46.7	26	H	54	6.8
17993.4	47.2	-25.5	46.7	26	V	54	6.8
17998.3	47.2	-25.5	46.7	26	V	54	6.8
17969.8	47.1	-25.5	46.7	25.9	H	54	6.9
5149.6	46	-17	33.7	29.3	H	54	8

Channel 40

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17981.8	47.3	-25.5	46.7	26.1	H	54	6.7
17961.5	47.1	-25.5	46.7	25.9	H	54	6.9
17964.8	47.1	-25.5	46.7	25.9	H	54	6.9
17979.1	47	-25.5	46.7	25.8	H	54	7
17997.2	47	-25.5	46.7	25.8	H	54	7
17998.3	47	-25.5	46.7	25.8	H	54	7

Channel 48

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17973.6	47.1	-25.5	46.7	25.9	V	54	6.9
17947.2	47	-25.5	46.7	25.8	H	54	7
17956	47	-25.5	46.7	25.8	V	54	7
17957.7	47	-25.5	46.7	25.8	H	54	7
17994.5	47	-25.5	46.7	25.8	V	54	7
17940	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 52

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17987.9	47.3	-25.5	46.7	26.1	H	54	6.7
17974.7	47.2	-25.5	46.7	26	V	54	6.8
17994.5	47.2	-25.5	46.7	26	V	54	6.8
17977.5	47.1	-25.5	46.7	25.9	H	54	6.9
17985.2	47.1	-25.5	46.7	25.9	H	54	6.9
17974.2	47	-25.5	46.7	25.8	H	54	7

Channel 56

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17964.2	47.3	-25.5	46.7	26.1	H	54	6.7
17992.8	47.2	-25.5	46.7	26	H	54	6.8
17982.4	47.1	-25.5	46.7	25.9	V	54	6.9
17979.1	47	-25.5	46.7	25.8	V	54	7
17993.4	47	-25.5	46.7	25.8	H	54	7
17972	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 64

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17987.9	47.3	-25.5	46.7	26.1	H	54	6.7
17985.7	47.2	-25.5	46.7	26	H	54	6.8
17989.5	47.2	-25.5	46.7	26	H	54	6.8
17979.1	47.1	-25.5	46.7	25.9	V	54	6.9
17998.3	47.1	-25.5	46.7	25.9	H	54	6.9
5350.1	40.9	-16.9	34	23.8	V	54	13.1

Channel 100

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17976.9	47.4	-25.5	46.7	26.2	H	54	6.6
17988.5	47.2	-25.5	46.7	26	H	54	6.8
17981.8	47.1	-25.5	46.7	25.9	H	54	6.9
17977.5	47	-25.5	46.7	25.8	H	54	7
17996.7	47	-25.5	46.7	25.8	H	54	7
5452.7	40.7	-16.8	34.2	23.3	H	54	13.3

Channel 120

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17981.8	47	-25.5	46.7	25.8	V	54	7
17991.2	47	-25.5	46.7	25.8	H	54	7
17953.8	46.9	-25.5	46.7	25.7	H	54	7.1
17958.8	46.9	-25.5	46.7	25.7	H	54	7.1
17970.3	46.9	-25.5	46.7	25.7	H	54	7.1
17975.2	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 140

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17969.8	47.5	-25.5	46.7	26.3	H	54	6.5
17984.6	47.1	-25.5	46.7	25.9	H	54	6.9
17985.7	47.1	-25.5	46.7	25.9	H	54	6.9
17986.8	47.1	-25.5	46.7	25.9	H	54	6.9
17964.8	46.9	-25.5	46.7	25.7	V	54	7.1
5725.3	43.6	-16.3	34.3	25.6	V	54	10.4

Channel 144

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17986.2	47.4	-25.5	46.7	26.2	V	54	6.6
17987.9	47.4	-25.5	46.7	26.2	V	54	6.6
17993.4	47.3	-25.5	46.7	26.1	H	54	6.7
17978	47.2	-25.5	46.7	26	H	54	6.8
17981.3	47.2	-25.5	46.7	26	H	54	6.8
17998.9	47.2	-25.5	46.7	26	V	54	6.8

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Channel 36

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17983	47.3	-25.5	46.7	26.1	H	54	6.7
17959.8	47.2	-25.5	46.7	26	H	54	6.8
17988.5	47.2	-25.5	46.7	26	V	54	6.8
17996.2	47.1	-25.5	46.7	25.9	H	54	6.9
17969.8	47	-25.5	46.7	25.8	H	54	7
5148.2	45.3	-17	33.7	28.6	H	54	8.7

Channel 40

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17979.7	47.2	-25.5	46.7	26	H	54	6.8
17987.3	47.1	-25.5	46.7	25.9	H	54	6.9
17998.3	47.1	-25.5	46.7	25.9	H	54	6.9
17966.5	47	-25.5	46.7	25.8	V	54	7
17978	47	-25.5	46.7	25.8	H	54	7
17979.1	47	-25.5	46.7	25.8	H	54	7

Channel 48

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17970.8	47.2	-25.5	46.7	26	H	54	6.8
17993.4	47.2	-25.5	46.7	26	V	54	6.8
17984	47.1	-25.5	46.7	25.9	H	54	6.9
17972	47	-25.5	46.7	25.8	H	54	7
17980.8	47	-25.5	46.7	25.8	V	54	7
17984.6	47	-25.5	46.7	25.8	H	54	7

Channel 52

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17973	47.2	-25.5	46.7	26	H	54	6.8
17980.2	47.2	-25.5	46.7	26	H	54	6.8
17962.6	47.1	-25.5	46.7	25.9	V	54	6.9
17963.7	47.1	-25.5	46.7	25.9	V	54	6.9
17995.6	47	-25.5	46.7	25.8	V	54	7
17972	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 56

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17975.2	47.2	-25.5	46.7	26	V	54	6.8
17983	47.2	-25.5	46.7	26	H	54	6.8
17958.2	47.1	-25.5	46.7	25.9	H	54	6.9
17961.5	47.1	-25.5	46.7	25.9	V	54	6.9
17977.5	47.1	-25.5	46.7	25.9	H	54	6.9
17950	47	-25.5	46.7	25.8	H	54	7

Channel 64

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17979.1	47.2	-25.5	46.7	26	H	54	6.8
17957.1	47.1	-25.5	46.7	25.9	V	54	6.9
17973	47.1	-25.5	46.7	25.9	H	54	6.9
17985.2	47.1	-25.5	46.7	25.9	V	54	6.9
17996.7	47.1	-25.5	46.7	25.9	H	54	6.9
5350.6	41.1	-16.9	34	24	V	54	12.9

Channel 100

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17959.8	47	-25.5	46.7	25.8	H	54	7
17967	47	-25.5	46.7	25.8	V	54	7
17946.1	46.9	-25.5	46.7	25.7	V	54	7.1
17951	46.9	-25.5	46.7	25.7	H	54	7.1
17978.5	46.9	-25.5	46.7	25.7	V	54	7.1
5454.4	42	-16.8	34.2	24.6	H	54	12

Channel 120

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17955.5	47.1	-25.5	46.7	25.9	H	54	6.9
17980.8	47.1	-25.5	46.7	25.9	H	54	6.9
17961	47	-25.5	46.7	25.8	H	54	7
17967	47	-25.5	46.7	25.8	H	54	7
17972	47	-25.5	46.7	25.8	H	54	7
17966.5	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 140

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17959.8	47.3	-25.5	46.7	26.1	V	54	6.7
17996.2	47.2	-25.5	46.7	26	H	54	6.8
17975.2	47.1	-25.5	46.7	25.9	V	54	6.9
17991.8	47	-25.5	46.7	25.8	V	54	7
17984.6	46.9	-25.5	46.7	25.7	H	54	7.1
5725	43.3	-16.3	34.3	25.3	V	54	10.7

Channel 144

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17978	47.4	-25.5	46.7	26.2	H	54	6.6
17994	47.3	-25.5	46.7	26.1	H	54	6.7
17987.3	47.2	-25.5	46.7	26	V	54	6.8
17989.5	47.2	-25.5	46.7	26	V	54	6.8
17963.7	47.1	-25.5	46.7	25.9	V	54	6.9
17972.5	47.1	-25.5	46.7	25.9	H	54	6.9

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Channel 36

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17979.1	47.6	-25.5	46.7	26.4	V	54	6.4
17954.9	47.2	-25.5	46.7	26	V	54	6.8
17997.8	47.2	-25.5	46.7	26	V	54	6.8
17965.3	47.1	-25.5	46.7	25.9	V	54	6.9
17974.2	47.1	-25.5	46.7	25.9	H	54	6.9
5143.6	45.7	-17	33.7	29	H	54	8.3

Channel 40

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17978.5	47.4	-25.5	46.7	26.2	H	54	6.6
17956.5	47.1	-25.5	46.7	25.9	V	54	6.9
17971.4	47.1	-25.5	46.7	25.9	V	54	6.9
17973	47.1	-25.5	46.7	25.9	V	54	6.9
17969.8	47	-25.5	46.7	25.8	H	54	7
17973.6	47	-25.5	46.7	25.8	H	54	7

Channel 48

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17982.4	47.3	-25.5	46.7	26.1	V	54	6.7
17988.5	47.2	-25.5	46.7	26	H	54	6.8
17967	47.1	-25.5	46.7	25.9	V	54	6.9
17981.8	47.1	-25.5	46.7	25.9	H	54	6.9
17991.8	47.1	-25.5	46.7	25.9	V	54	6.9
17958.2	47	-25.5	46.7	25.8	V	54	7

Channel 52

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17972	47.1	-25.5	46.7	25.9	V	54	6.9
17974.2	47.1	-25.5	46.7	25.9	H	54	6.9
17983.5	47.1	-25.5	46.7	25.9	H	54	6.9
17942.8	47	-25.5	46.7	25.8	V	54	7
17945.5	47	-25.5	46.7	25.8	V	54	7
17957.7	47	-25.5	46.7	25.8	H	54	7

Channel 56

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17998.9	47.2	-25.5	46.7	26	H	54	6.8
17958.8	47.1	-25.5	46.7	25.9	V	54	6.9
17980.8	47.1	-25.5	46.7	25.9	H	54	6.9
17983.5	47	-25.5	46.7	25.8	V	54	7
17987.3	47	-25.5	46.7	25.8	H	54	7
17943.9	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 64

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17995	47.3	-25.5	46.7	26.1	V	54	6.7
17995.6	47.3	-25.5	46.7	26.1	V	54	6.7
17956.5	47.2	-25.5	46.7	26	V	54	6.8
17945	47.1	-25.5	46.7	25.9	H	54	6.9
17961.5	47.1	-25.5	46.7	25.9	H	54	6.9
5352.6	41.3	-16.9	34	24.2	V	54	12.7

Channel 100

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17996.7	47.4	-25.5	46.7	26.2	H	54	6.6
17974.2	47.2	-25.5	46.7	26	H	54	6.8
17981.8	47.2	-25.5	46.7	26	V	54	6.8
17984	47	-25.5	46.7	25.8	V	54	7
17984.6	47	-25.5	46.7	25.8	V	54	7
5457.3	42.1	-16.8	34.2	24.7	H	54	11.9

Channel 120

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17971.4	47.1	-25.5	46.7	25.9	V	54	6.9
17958.2	47	-25.5	46.7	25.8	V	54	7
17972.5	47	-25.5	46.7	25.8	V	54	7
17976.9	47	-25.5	46.7	25.8	V	54	7
17981.8	47	-25.5	46.7	25.8	H	54	7
17983	47	-25.5	46.7	25.8	H	54	7

Channel 140

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17989.5	47.3	-25.5	46.7	26.1	V	54	6.7
17978	47	-25.5	46.7	25.8	V	54	7
17980.2	47	-25.5	46.7	25.8	V	54	7
17984	47	-25.5	46.7	25.8	H	54	7
17958.2	46.9	-25.5	46.7	25.7	V	54	7.1
5725.1	43.2	-16.3	34.3	25.2	V	54	10.8

Channel 144

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17991.8	47.4	-25.5	46.7	26.2	V	54	6.6
17978.5	47.3	-25.5	46.7	26.1	V	54	6.7
17980.8	47.3	-25.5	46.7	26.1	V	54	6.7
17992.8	47.3	-25.5	46.7	26.1	V	54	6.7
17994.5	47.3	-25.5	46.7	26.1	H	54	6.7
17981.8	47.2	-25.5	46.7	26	V	54	6.8

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Channel 38

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17959.3	47.1	-25.5	46.7	25.9	V	54	6.9
17972	47.1	-25.5	46.7	25.9	H	54	6.9
17978	47.1	-25.5	46.7	25.9	V	54	6.9
17978.5	47.1	-25.5	46.7	25.9	V	54	6.9
17957.1	47	-25.5	46.7	25.8	V	54	7
5149.9	50.6	-17	33.7	33.9	H	54	3.4

Channel 46

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17996.2	47.1	-25.5	46.7	25.9	V	54	6.9
17954.3	47	-25.5	46.7	25.8	V	54	7
17987.3	47	-25.5	46.7	25.8	H	54	7
17991.2	47	-25.5	46.7	25.8	V	54	7
17998.3	47	-25.5	46.7	25.8	H	54	7
17965.3	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 54

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17990.7	47.3	-25.5	46.7	26.1	H	54	6.7
17953.2	47.2	-25.5	46.7	26	V	54	6.8
17963.2	47.2	-25.5	46.7	26	V	54	6.8
17970.8	47.2	-25.5	46.7	26	H	54	6.8
17970.3	47.1	-25.5	46.7	25.9	H	54	6.9
17972	47.1	-25.5	46.7	25.9	V	54	6.9

Channel 62

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17991.8	47.2	-25.5	46.7	26	H	54	6.8
17952.7	47.1	-25.5	46.7	25.9	V	54	6.9
17968.1	47.1	-25.5	46.7	25.9	V	54	6.9
17978	47.1	-25.5	46.7	25.9	H	54	6.9
17983.5	47.1	-25.5	46.7	25.9	V	54	6.9
5350.1	46.2	-16.9	34	29.1	V	54	7.8

Channel 102

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17990.1	47.3	-25.5	46.7	26.1	V	54	6.7
17995.6	47.3	-25.5	46.7	26.1	V	54	6.7
17976.9	47.2	-25.5	46.7	26	V	54	6.8
17978.5	47.2	-25.5	46.7	26	H	54	6.8
17991.2	47.2	-25.5	46.7	26	H	54	6.8
5459.9	44	-16.8	34.2	26.6	H	54	10

Channel 118

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17981.8	47.3	-25.5	46.7	26.1	V	54	6.7
17994	47.3	-25.5	46.7	26.1	V	54	6.7
17978	47.2	-25.5	46.7	26	H	54	6.8
17980.2	47.1	-25.5	46.7	25.9	H	54	6.9
17995.6	47.1	-25.5	46.7	25.9	V	54	6.9
17983.5	47	-25.5	46.7	25.8	V	54	7

Channel 134

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17963.2	47.1	-25.5	46.7	25.9	V	54	6.9
17978.5	47.1	-25.5	46.7	25.9	H	54	6.9
17981.8	47.1	-25.5	46.7	25.9	H	54	6.9
17997.2	47.1	-25.5	46.7	25.9	H	54	6.9
17955.5	47	-25.5	46.7	25.8	V	54	7
5725.8	44.9	-16.3	34.3	26.9	H	54	9.1

Channel 142

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17973.6	47.3	-25.5	46.7	26.1	H	54	6.7
17994	47.3	-25.5	46.7	26.1	H	54	6.7
17980.8	47.2	-25.5	46.7	26	V	54	6.8
17969.8	47.1	-25.5	46.7	25.9	H	54	6.9
17976.3	47.1	-25.5	46.7	25.9	V	54	6.9
17978	47.1	-25.5	46.7	25.9	V	54	6.9

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Channel 38

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17959.3	47.1	-25.5	46.7	25.9	V	54	6.9
17972	47.1	-25.5	46.7	25.9	H	54	6.9
17978	47.1	-25.5	46.7	25.9	V	54	6.9
17978.5	47.1	-25.5	46.7	25.9	V	54	6.9
17957.1	47	-25.5	46.7	25.8	V	54	7
5149.9	50.6	-17	33.7	33.9	H	54	3.4

Channel 46

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17996.2	47.1	-25.5	46.7	25.9	V	54	6.9
17954.3	47	-25.5	46.7	25.8	V	54	7
17987.3	47	-25.5	46.7	25.8	H	54	7
17991.2	47	-25.5	46.7	25.8	V	54	7
17998.3	47	-25.5	46.7	25.8	H	54	7
17965.3	46.9	-25.5	46.7	25.7	V	54	7.1

Channel 54

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17990.7	47.3	-25.5	46.7	26.1	H	54	6.7
17953.2	47.2	-25.5	46.7	26	V	54	6.8
17963.2	47.2	-25.5	46.7	26	V	54	6.8
17970.8	47.2	-25.5	46.7	26	H	54	6.8
17970.3	47.1	-25.5	46.7	25.9	H	54	6.9
17972	47.1	-25.5	46.7	25.9	V	54	6.9

Channel 62

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17991.8	47.2	-25.5	46.7	26	H	54	6.8
17952.7	47.1	-25.5	46.7	25.9	V	54	6.9
17968.1	47.1	-25.5	46.7	25.9	V	54	6.9
17978	47.1	-25.5	46.7	25.9	H	54	6.9
17983.5	47.1	-25.5	46.7	25.9	V	54	6.9
5350.1	46.2	-16.9	34	29.1	V	54	7.8

Channel 102

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17975.8	47.4	-25.5	46.7	26.2	V	54	6.6
17979.1	47.3	-25.5	46.7	26.1	H	54	6.7
17945.5	47.1	-25.5	46.7	25.9	V	54	6.9
17965.3	47.1	-25.5	46.7	25.9	H	54	6.9
17970.8	47.1	-25.5	46.7	25.9	H	54	6.9
5459.9	44.8	-16.8	34.2	27.4	H	54	9.2

Channel 118

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17976.9	47.2	-25.5	46.7	26	H	54	6.8
17992.8	47.1	-25.5	46.7	25.9	V	54	6.9
17997.2	47.1	-25.5	46.7	25.9	V	54	6.9
17956	47	-25.5	46.7	25.8	H	54	7
17957.1	47	-25.5	46.7	25.8	V	54	7
17962	47	-25.5	46.7	25.8	V	54	7

Channel 134

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17998.9	47.4	-25.5	46.7	26.2	H	54	6.6
17996.2	47.3	-25.5	46.7	26.1	V	54	6.7
17946.1	47	-25.5	46.7	25.8	V	54	7
17968.1	47	-25.5	46.7	25.8	H	54	7
17969.2	47	-25.5	46.7	25.8	H	54	7
5725.8	45.3	-16.3	34.3	27.3	H	54	8.7

Channel 142

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17966.5	47.1	-25.5	46.7	25.9	H	54	6.9
17985.7	47.1	-25.5	46.7	25.9	H	54	6.9
17987.9	47.1	-25.5	46.7	25.9	H	54	6.9
17956.5	47	-25.5	46.7	25.8	V	54	7
17980.8	47	-25.5	46.7	25.8	H	54	7
17947.8	46.9	-25.5	46.7	25.7	V	54	7.1

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Channel 42

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17964.2	47.3	-25.5	46.7	26.1	H	54	6.7
17980.2	47.3	-25.5	46.7	26.1	V	54	6.7
17975.8	47.1	-25.5	46.7	25.9	V	54	6.9
17976.3	47.1	-25.5	46.7	25.9	V	54	6.9
17983	47.1	-25.5	46.7	25.9	V	54	6.9
5138.5	41.8	-17	33.7	25.1	V	54	12.2

Channel 58

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
17973	47.3	-25.5	46.7	26.1	H	54	6.7
17974.2	47.2	-25.5	46.7	26	V	54	6.8
17963.2	47.1	-25.5	46.7	25.9	V	54	6.9
17956.5	47	-25.5	46.7	25.8	H	54	7
17985.2	47	-25.5	46.7	25.8	V	54	7
5361.2	48.2	-16.9	34	31.1	V	54	5.8

Channel 106

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
5458.7	49.0	-36.8	33.4	52.4	H	54	5
17982.4	47.4	-25.5	43.4	29.5	H	54	6.6
17963.2	47.3	-25.5	43.4	29.4	V	54	6.7
17974.7	47.1	-25.5	43.4	29.2	H	54	6.9
17961.0	47.1	-25.5	43.4	29.2	H	54	6.9
17989.0	47.1	-25.5	43.4	29.2	H	54	6.9

Channel 122

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Margin (dBuV/m)
5760.0	51.5	-36.5	34.2	53.8	H	54	2.5
17947.2	47.1	-25.5	43.4	29.2	H	54	6.9
17959.9	47.1	-25.5	43.4	29.2	V	54	6.9
17975.3	47.0	-25.5	43.4	29.1	H	54	7
17972.0	47.0	-25.5	43.4	29.1	H	54	7
17986.8	47.0	-25.5	43.4	29.1	H	54	7

Channel 138

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17995.1	47.4	-17.7	45.6	19.5	H	54	6.6
17979.1	47.2	-17.7	45.6	19.3	H	54	6.8
17983.0	47.2	-17.7	45.6	19.3	V	54	6.8
17979.7	47.1	-17.7	45.6	19.2	H	54	6.9
17986.8	47.1	-17.7	45.6	19.2	H	54	6.9
17984.1	47.1	-17.7	45.6	19.2	H	54	6.9

Peak

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Channel 36

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17992.8	58.6	-25.5	46.7	37.4	H	74	15.4
17966.5	58.5	-25.5	46.7	37.3	V	74	15.5
17989	58.5	-25.5	46.7	37.3	H	74	15.5
17955.5	58.4	-25.5	46.7	37.2	H	74	15.6
17997.2	58.4	-25.5	46.7	37.2	H	74	15.6
5137.4	58	-17	33.7	41.3	H	74	16

Channel 40

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17958.8	58.9	-25.5	46.7	37.7	H	74	15.1
17988.5	58.9	-25.5	46.7	37.7	H	74	15.1
17998.9	58.5	-25.5	46.7	37.3	V	74	15.5
17978.5	58.4	-25.5	46.7	37.2	H	74	15.6
17989.5	58.4	-25.5	46.7	37.2	V	74	15.6
17974.2	58.3	-25.5	46.7	37.1	H	74	15.7

Channel 48

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17968.7	58.7	-25.5	46.7	37.5	V	74	15.3
17930.7	58.6	-25.5	46.7	37.4	V	74	15.4
17979.1	58.4	-25.5	46.7	37.2	V	74	15.6
17996.7	58.4	-25.5	46.7	37.2	V	74	15.6
17936.2	58.3	-25.5	46.7	37.1	H	74	15.7
17976.9	58.3	-25.5	46.7	37.1	V	74	15.7

Channel 52

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17949.4	58.7	-25.5	46.7	37.5	H	74	15.3
17973	58.4	-25.5	46.7	37.2	H	74	15.6
17976.9	58.4	-25.5	46.7	37.2	V	74	15.6
17891.7	58	-25.5	46.7	36.8	H	74	16
17962.6	58	-25.5	46.7	36.8	H	74	16
17993.4	58	-25.5	46.7	36.8	H	74	16

Channel 56

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17990.1	58.4	-25.5	46.7	37.2	H	74	15.6
17939.5	58.3	-25.5	46.7	37.1	H	74	15.7
17954.3	58.2	-25.5	46.7	37	V	74	15.8
17955.5	58.2	-25.5	46.7	37	H	74	15.8
17943.9	57.9	-25.5	46.7	36.7	V	74	16.1
17983	57.9	-25.5	46.7	36.7	H	74	16.1

Channel 64

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17975.8	59	-25.5	46.7	37.8	H	74	15
17991.2	58.5	-25.5	46.7	37.3	V	74	15.5
17998.9	58.4	-25.5	46.7	37.2	H	74	15.6
17973	58.3	-25.5	46.7	37.1	H	74	15.7
17847.1	58.2	-25.5	46.7	37	V	74	15.8
5367.1	53.2	-16.9	34	36.1	V	74	20.8

Channel 100

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17982.4	58.8	-25.5	46.7	37.6	H	74	15.2
17803.7	58.5	-25.5	46.7	37.3	V	74	15.5
17963.7	58.2	-25.5	46.7	37	V	74	15.8
17895.5	58.1	-25.5	46.7	36.9	H	74	15.9
17988.5	58.1	-25.5	46.7	36.9	H	74	15.9
5458.4	52.6	-16.8	34.2	35.2	H	74	21.4

Channel 120

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17956.5	58.6	-25.5	46.7	37.4	V	74	15.4
17991.8	58.4	-25.5	46.7	37.2	V	74	15.6
17946.1	58.1	-25.5	46.7	36.9	H	74	15.9
17879	57.7	-25.5	46.7	36.5	H	74	16.3
17952.7	57.7	-25.5	46.7	36.5	V	74	16.3
17963.7	57.7	-25.5	46.7	36.5	H	74	16.3

Channel 140

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17947.8	59	-25.5	46.7	37.8	V	74	15
17968.7	59	-25.5	46.7	37.8	V	74	15
17954.9	58.7	-25.5	46.7	37.5	H	74	15.3
17981.3	58.4	-25.5	46.7	37.2	V	74	15.6
17991.2	58.3	-25.5	46.7	37.1	V	74	15.7
5725.7	58.5	-16.3	34.3	40.5	V	74	15.5

Channel 144

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17996.7	59.4	-25.5	46.7	38.2	V	74	14.6
17935.7	59	-25.5	46.7	37.8	V	74	15
17931.2	58.7	-25.5	46.7	37.5	H	74	15.3
17991.2	58.6	-25.5	46.7	37.4	V	74	15.4
17998.9	58.5	-25.5	46.7	37.3	V	74	15.5
17960.4	58.3	-25.5	46.7	37.1	V	74	15.7

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Channel 36

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17965.9	59.3	-25.5	46.7	38.1	H	74	14.7
17953.2	58.6	-25.5	46.7	37.4	H	74	15.4
17968.1	58.5	-25.5	46.7	37.3	H	74	15.5
17899.3	58.3	-25.5	46.7	37.1	H	74	15.7
17912.5	58.1	-25.5	46.7	36.9	H	74	15.9
5148	58.2	-17	33.7	41.5	H	74	15.8

Channel 40

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17992.8	58.6	-25.5	46.7	37.4	H	74	15.4
17994	58.6	-25.5	46.7	37.4	V	74	15.4
17919.7	58.5	-25.5	46.7	37.3	V	74	15.5
17990.1	58.4	-25.5	46.7	37.2	V	74	15.6
17848.2	58.3	-25.5	46.7	37.1	H	74	15.7
17974.7	58.2	-25.5	46.7	37	H	74	15.8

Channel 48

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17996.2	59.2	-25.5	46.7	38	H	74	14.8
17974.2	59	-25.5	46.7	37.8	H	74	15
17971.4	58.7	-25.5	46.7	37.5	V	74	15.3
17895.5	58.5	-25.5	46.7	37.3	H	74	15.5
17918	58.3	-25.5	46.7	37.1	H	74	15.7
17951	58.3	-25.5	46.7	37.1	H	74	15.7

Channel 52

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17976.3	58.1	-25.5	46.7	36.9	V	74	15.9
17951.6	57.9	-25.5	46.7	36.7	H	74	16.1
17978.5	57.8	-25.5	46.7	36.6	H	74	16.2
17992.3	57.7	-25.5	46.7	36.5	H	74	16.3
17871.3	57.6	-25.5	46.7	36.4	V	74	16.4
17947.8	57.6	-25.5	46.7	36.4	V	74	16.4

Channel 56

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17986.8	58.9	-25.5	46.7	37.7	H	74	15.1
17994	58.8	-25.5	46.7	37.6	V	74	15.2
17946.7	58.4	-25.5	46.7	37.2	H	74	15.6
17976.3	58.4	-25.5	46.7	37.2	V	74	15.6
17987.9	58.4	-25.5	46.7	37.2	H	74	15.6
17879.5	58.3	-25.5	46.7	37.1	V	74	15.7

Channel 64

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17985.2	59	-25.5	46.7	37.8	V	74	15
17997.2	59	-25.5	46.7	37.8	V	74	15
17967	58.8	-25.5	46.7	37.6	V	74	15.2
17998.3	58.3	-25.5	46.7	37.1	V	74	15.7
17855.9	58.2	-25.5	46.7	37	V	74	15.8
5351.4	53.4	-16.9	34	36.3	V	74	20.6

Channel 100

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17970.3	59.1	-25.5	46.7	37.9	H	74	14.9
17937.8	58.9	-25.5	46.7	37.7	H	74	15.1
17981.8	58.9	-25.5	46.7	37.7	V	74	15.1
17942.8	58.6	-25.5	46.7	37.4	V	74	15.4
17973	58.4	-25.5	46.7	37.2	V	74	15.6
5454.8	54.3	-16.8	34.2	36.9	H	74	19.7

Channel 120

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17996.7	58.6	-25.5	46.7	37.4	V	74	15.4
17770.1	58.3	-25.5	46.7	37.1	V	74	15.7
17948.8	58.3	-25.5	46.7	37.1	V	74	15.7
17989.5	58.3	-25.5	46.7	37.1	H	74	15.7
17990.7	58.2	-25.5	46.7	37	V	74	15.8
17946.7	58.1	-25.5	46.7	36.9	V	74	15.9

Channel 140

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17980.2	59.1	-25.5	46.7	37.9	H	74	14.9
17953.8	58.6	-25.5	46.7	37.4	H	74	15.4
17982.4	58.6	-25.5	46.7	37.4	V	74	15.4
17960.4	58.5	-25.5	46.7	37.3	H	74	15.5
17997.8	58.5	-25.5	46.7	37.3	H	74	15.5
5726.9	55.2	-16.3	34.3	37.2	V	74	18.8

Channel 144

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17985.2	58.7	-25.5	46.7	37.5	V	74	15.3
17992.8	58.7	-25.5	46.7	37.5	H	74	15.3
17955.5	58.4	-25.5	46.7	37.2	V	74	15.6
17994.5	58.4	-25.5	46.7	37.2	H	74	15.6
17855.3	58.3	-25.5	46.7	37.1	V	74	15.7
17948.3	58.1	-25.5	46.7	36.9	H	74	15.9

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Channel 36

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17960.4	58.8	-25.5	46.7	37.6	H	74	15.2
17950.5	58.4	-25.5	46.7	37.2	V	74	15.6
17869.7	58.2	-25.5	46.7	37	H	74	15.8
17924.7	58.2	-25.5	46.7	37	V	74	15.8
17938.4	58.2	-25.5	46.7	37	V	74	15.8
5143.6	57.2	-17	33.7	40.5	H	74	16.8

Channel 40

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17954.3	58.6	-25.5	46.7	37.4	V	74	15.4
17936.2	58.3	-25.5	46.7	37.1	V	74	15.7
17937.8	58.3	-25.5	46.7	37.1	H	74	15.7
17984	58.3	-25.5	46.7	37.1	H	74	15.7
17992.8	58.3	-25.5	46.7	37.1	H	74	15.7
17953.2	58.2	-25.5	46.7	37	V	74	15.8

Channel 48

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17976.9	60.3	-25.5	46.7	39.1	V	74	13.7
17985.2	58.7	-25.5	46.7	37.5	H	74	15.3
17992.3	58.4	-25.5	46.7	37.2	H	74	15.6
17979.1	58.3	-25.5	46.7	37.1	V	74	15.7
17949.4	58.2	-25.5	46.7	37	V	74	15.8
17984	58.2	-25.5	46.7	37	H	74	15.8

Channel 52

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17998.3	58.5	-25.5	46.7	37.3	V	74	15.5
17949.4	58.2	-25.5	46.7	37	V	74	15.8
17992.8	58.2	-25.5	46.7	37	H	74	15.8
17995.6	58.2	-25.5	46.7	37	V	74	15.8
17950	58.1	-25.5	46.7	36.9	V	74	15.9
17997.2	58.1	-25.5	46.7	36.9	V	74	15.9

Channel 56

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17951.6	58.9	-25.5	46.7	37.7	H	74	15.1
17954.9	58.5	-25.5	46.7	37.3	V	74	15.5
17977.5	58.1	-25.5	46.7	36.9	V	74	15.9
17863.6	57.9	-25.5	46.7	36.7	H	74	16.1
17865.8	57.9	-25.5	46.7	36.7	H	74	16.1
17961	57.9	-25.5	46.7	36.7	V	74	16.1

Channel 64

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17939	58.5	-25.5	46.7	37.3	H	74	15.5
17995.6	58.5	-25.5	46.7	37.3	V	74	15.5
17997.8	58	-25.5	46.7	36.8	V	74	16
17926.3	57.7	-25.5	46.7	36.5	H	74	16.3
17908.7	57.6	-25.5	46.7	36.4	V	74	16.4
5356	53.9	-16.9	34	36.8	V	74	20.1

Channel 100

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17996.7	59.8	-25.5	46.7	38.6	H	74	14.2
17962.6	58.8	-25.5	46.7	37.6	H	74	15.2
17947.2	58.6	-25.5	46.7	37.4	V	74	15.4
17957.1	58.6	-25.5	46.7	37.4	H	74	15.4
17994.5	58.6	-25.5	46.7	37.4	V	74	15.4
5454.9	54.7	-16.8	34.2	37.3	H	74	19.3

Channel 120

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17862.5	58.6	-25.5	46.7	37.4	V	74	15.4
17995	58.2	-25.5	46.7	37	V	74	15.8
17959.3	57.9	-25.5	46.7	36.7	H	74	16.1
17760.2	57.8	-25.5	46.7	36.6	H	74	16.2
17947.2	57.8	-25.5	46.7	36.6	V	74	16.2
17955.5	57.8	-25.5	46.7	36.6	H	74	16.2

Channel 140

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17974.7	59.1	-25.5	46.7	37.9	V	74	14.9
17948.3	58.4	-25.5	46.7	37.2	V	74	15.6
17944.5	58.1	-25.5	46.7	36.9	H	74	15.9
17979.1	58.1	-25.5	46.7	36.9	V	74	15.9
17978	58	-25.5	46.7	36.8	V	74	16
5725	55	-16.3	34.3	37	V	74	19

Channel 144

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
17989.5	59	-25.5	46.7	37.8	H	74	15
17993.4	58.7	-25.5	46.7	37.5	H	74	15.3
17940	58.6	-25.5	46.7	37.4	H	74	15.4
17962.6	58.5	-25.5	46.7	37.3	V	74	15.5
17975.2	58.5	-25.5	46.7	37.3	V	74	15.5
17986.8	58.2	-25.5	46.7	37	V	74	15.8