FCC PART 15E
TEST REPORT
No.23T04Z81077-16

for

Wingtech Group (Hong Kong) Limited

5G Mobile Phone

Model Name: TMRV07P5G

FCC ID: 2APXW-TMRV07P5G

with

Hardware Version: V1.0

Software Version: TMRV07P5G_0.03.01

Issued Date: 2024-04-16

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:

CTTL-Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
23T04Z81077-16	Rev.0	1st edition	2024-03-26
23T04Z81077-16	Rev.1	Added antenna requirements.	2024-04-16

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. 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(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, 100191, P. R. China

1.3. Testing Environment

Normal Temperature: 15-35°C

Relative Humidity: 20-75%

1.4. Project date

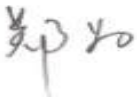
Testing Start Date: 2024-01-16

Testing End Date: 2024-03-18

1.5. Signature

Dong Jiaxuan

(Prepared this test report)



Zheng Wei

(Reviewed this test report)

Pang Shuai

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	Wingtech Group (Hong Kong) Limited
Address:	Flat/RM 1903 19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, KL, HK
Contact:	sharui
Email:	sharui@wingtech.com
Telephone:	+86-21-53529900
Fax:	/

2.2. Manufacturer Information

Company Name:	Wingtech Group (Hong Kong) Limited
Address:	Flat/RM 1903 19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, KL, HK
Contact:	sharui
Email:	sharui@wingtech.com
Telephone:	+86-21-53529900
Fax:	/

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	5G Mobile Phone
Model name	TMRV07P5G
FCC ID	2APXW-TMRV07P5G
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM/OFDMA
Antenna	Integral Antenna
Nominal Voltage	3.87V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT98a	860316070023386 860316070023394	V1.0	TMRV07P5G_0.03.01	2024-02-07
UT25a	860316070002869 860316070002877	V1.0	TMRV07P5G_0.03.01	2024-02-07

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

UT25a is used for Conduction test, UT98a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacture
AE1	Battery	TM002	SCUD (Fujian) Electronics Co.,Ltd.
AE2	Cable	HX-WT-60	Huizhou Washin Electronics Co., LTD

*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 5G Mobile Phone with integrated antenna and inbuilt battery.

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	2021
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

5. Laboratory Environment

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. 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**
Radiated Unwanted Emission	15.407, 15.205, 15.209	/	**P**
AC Powerline Conducted Emission	15.107, 15.207	/	**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 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.

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°C
Voltage	3.87V
Humidity	44%

7. Test Facilities 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	2024-07-04
2	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2024-03-06
3	LISN	ENV216	101200	R&S	13 months	2024-07-04
4	Test Receiver	ESCI	100344	R&S	13 months	2024-03-20
5	Attenuator	10dB/2W	/	Rosenberger	/	/
6	Shielding Room	S81	/	ETS-Lindgren	/	/

Note: The equipment was in Calibration Due date when used.

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103023	R&S	13 months	2024-07-08
2	EMI Antenna	VULB9163	01223	SCHWARZBECK	13 months	2024-08-18
3	EMI Antenna	3115	6914	ETS-Lindgren	13 months	2024-06-07
4	EMI Antenna	3116	2663	ETS-Lindgren	13 months	2025-03-21

Test Software

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V11.50.020	R&S
Conducted Emission	EMC32 V8.53.0	R&S

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 26dB Emission 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)
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

8.6 Radiated Unwanted Emission

Radiated (k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	/
30MHz ≤ f ≤ 1GHz	4.72
1GHz ≤ f ≤18GHz	4.84
18GHz ≤ f ≤40GHz	5.12

8.7 AC Power-line Conducted Emission

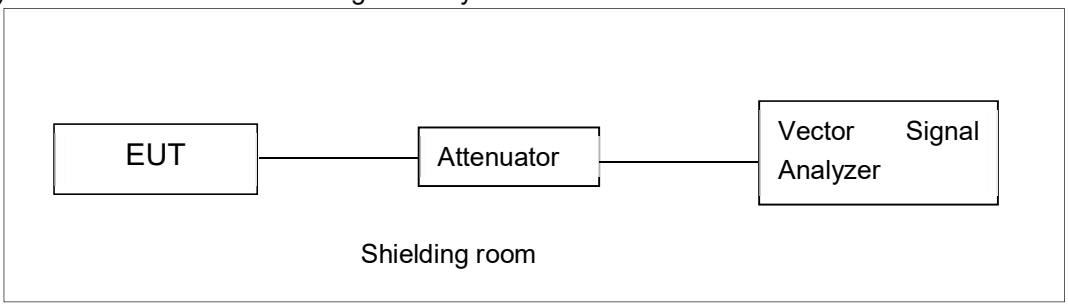
Measurement Uncertainty : 3.08dB,k=2

ANNEX A: Detailed Test 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

Measurement performed according to Clause 6.4, 6.5, 6.6 in ANSI C63.10-2013 and II.G.4, II.G.5, II.G.6 in KDB 789033.

The radiated emission test is performed in semi-anechoic chamber. The EUT was placed on a non-conductive table with 80cm above the ground plane for measurement below 1GHz and 1.5m above the ground plane for measurement above 1GHz. The measurement antenna was placed at a distance of 3 meters from the EUT. 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 from 0° to 360°and the measurement antenna is moved from 1m to 4m to get the maximization result. The maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

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 measurementmethod SA-2 is made according to KDB 789033

A.2.1 Antenna Gain

WIFI Chain0

Band	Antenna	Antenna Gain(dBi)
5G WIFI B1	ANT10	-1.9
5G WIFI B2	ANT10	-1.6
5G WIFI B3	ANT10	-0.3

WIFI Chain1

Band	Antenna	Antenna Gain(dBi)
5G WIFI B1	ANT7	-3.5
5G WIFI B2	ANT7	-1.9
5G WIFI B3	ANT7	-2.3

A.2.2 Maximum output Power-Conducted

EUT ID: UT25a

Measurement Results:

SISO-ANT10

802.11a mode

Mode	Frequency	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz	20.14	\	\	\	\	\	\	\
	5200MHz	20.17	\	\	\	\	\	\	\
	5240MHz	19.97	\	\	\	\	\	\	\
	5260MHz	19.96	\	\	\	\	\	\	\
	5280MHz	19.83	\	\	\	\	\	\	\
	5320MHz	19.62	\	\	\	\	\	\	\
	5500MHz	18.46	\	\	\	\	\	\	\
	5580MHz	19.43	\	\	\	\	\	\	\
	5700MHz	18.20	\	\	\	\	\	\	\
	5720MHz	18.77	\	\	\	\	\	\	\

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

802.11n-HT20 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT20)	5180MHz	19.81	\	\	\	\	\	\	\
	5200MHz	19.89	\	\	\	\	\	\	\
	5240MHz	19.66	\	\	\	\	\	\	\
	5260MHz	19.64	\	\	\	\	\	\	\
	5280MHz	19.47	\	\	\	\	\	\	\
	5320MHz	19.32	\	\	\	\	\	\	\
	5500MHz	14.08	\	\	\	\	\	\	\
	5580MHz	19.16	\	\	\	\	\	\	\
	5700MHz	14.02	\	\	\	\	\	\	\
	5720MHz	18.27	\	\	\	\	\	\	\

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

802.11ac-VHT20 mode

Mode	Frequency	Test Result (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
802.11ac (VHT20)	5180MHz	19.86	\	\	\	\	\	\	\	\
	5200MHz	19.89	\	\	\	\	\	\	\	\
	5240MHz	19.69	\	\	\	\	\	\	\	\
	5260MHz	19.65	\	\	\	\	\	\	\	\
	5280MHz	19.52	\	\	\	\	\	\	\	\
	5320MHz	19.33	\	\	\	\	\	\	\	\
	5500MHz	14.19	\	\	\	\	\	\	\	\
	5580MHz	19.17	\	\	\	\	\	\	\	\
	5700MHz	14.11	\	\	\	\	\	\	\	\
	5720MHz	18.41	\	\	\	\	\	\	\	\

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

802.11ax-HE20 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS 1	MCS 2	MC S3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
802.11ax (HE20)	5180MHz (Ch36)	19.88	\	\	\	\	\	\	\	\	\	\	\
	5200MHz (Ch40)	19.97	\	\	\	\	\	\	\	\	\	\	\
	5240MHz (Ch48)	19.83	\	\	\	\	\	\	\	\	\	\	\
	5260MHz (Ch52)	19.77	\	\	\	\	\	\	\	\	\	\	\
	5280MHz (Ch56)	19.58	\	\	\	\	\	\	\	\	\	\	\
	5320MHz (Ch64)	19.45	\	\	\	\	\	\	\	\	\	\	\
	5500MHz (Ch100)	14.73	\	\	\	\	\	\	\	\	\	\	\
	5580MHz (Ch116)	19.25	\	\	\	\	\	\	\	\	\	\	\
	5700MHz (Ch140)	14.62	\	\	\	\	\	\	\	\	\	\	\

	5720MHz (Ch144)	18.06	\	\	\	\	\	\	\	\	\	\	\

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

802.11n-HT40 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT40)	5190MHz	19.09	\	\	\	\	\	\	\
	5230MHz	18.89	\	\	\	\	\	\	\
	5270MHz	18.83	\	\	\	\	\	\	\
	5310MHz	18.54	\	\	\	\	\	\	\
	5510MHz	15.61	\	\	\	\	\	\	\
	5550MHz	18.23	\	\	\	\	\	\	\
	5670MHz	18.15	\	\	\	\	\	\	\
	5710MHz	17.81	\	\	\	\	\	\	\

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

802.11ac-VHT40 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT40)	5190MHz	19.13	\	\	\	\	\	\	\	\	\
	5230MHz	18.91	\	\	\	\	\	\	\	\	\
	5270MHz	19.04	\	\	\	\	\	\	\	\	\
	5310MHz	18.76	\	\	\	\	\	\	\	\	\
	5510MHz	15.62	\	\	\	\	\	\	\	\	\
	5550MHz	18.41	\	\	\	\	\	\	\	\	\
	5670MHz	18.38	\	\	\	\	\	\	\	\	\
	5710MHz	17.84	\	\	\	\	\	\	\	\	\

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

802.11ax-HE40 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE40)	5190MHz (Ch38)	18.96	\	\	\	\	\	\	\	\	\	\	\
	5230MHz (Ch46)	18.69	\	\	\	\	\	\	\	\	\	\	\
	5270MHz (Ch54)	18.67	\	\	\	\	\	\	\	\	\	\	\
	5310MHz (Ch62)	18.37	\	\	\	\	\	\	\	\	\	\	\
	5510MHz (Ch102)	15.55	\	\	\	\	\	\	\	\	\	\	\
	5550MHz (Ch110)	18.07	\	\	\	\	\	\	\	\	\	\	\
	5670MHz (Ch134)	18.03	\	\	\	\	\	\	\	\	\	\	\
	5710MHz (Ch142)	17.69	\	\	\	\	\	\	\	\	\	\	\

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

802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT80)	5210MHz	18.93	\	\	\	\	\	\	\	\	\
	5290MHz	19.00	\	\	\	\	\	\	\	\	\
	5530MHz	14.96	\	\	\	\	\	\	\	\	\
	5610MHz	15.83	\	\	\	\	\	\	\	\	\
	5690MHz	18.32	\	\	\	\	\	\	\	\	\

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

802.11ax-HE80 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE80)	5210MHz (Ch42)	18.80	\	\	\	\	\	\	\	\	\	\	\
	5290MHz (Ch58)	18.66	\	\	\	\	\	\	\	\	\	\	\
	5530MHz (Ch106)	14.82	\	\	\	\	\	\	\	\	\	\	\
	5610MHz (Ch122)	15.70	\	\	\	\	\	\	\	\	\	\	\
	5690MHz (Ch138)	16.85	\	\	\	\	\	\	\	\	\	\	\

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

802.11ax-HE160 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE160)	5250MHz (Ch50)	16.94	\	\	\	\	\	\	\	\	\	\	\
	5570MHz (Ch114)	13.89	\	\	\	\	\	\	\	\	\	\	\

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

SISO-ANT7

802.11a mode

Mode	Frequency	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz	17.75	\	\	\	\	\	\	\
	5200MHz	17.67	\	\	\	\	\	\	\
	5240MHz	17.79	\	\	\	\	\	\	\
	5260MHz	17.87	\	\	\	\	\	\	\
	5280MHz	17.80	\	\	\	\	\	\	\
	5320MHz	17.66	\	\	\	\	\	\	\
	5500MHz	17.58	\	\	\	\	\	\	\
	5580MHz	17.31	\	\	\	\	\	\	\
	5700MHz	17.15	\	\	\	\	\	\	\
	5720MHz	17.15	\	\	\	\	\	\	\

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

802.11n-HT20 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT20)	5180MHz	17.45	\	\	\	\	\	\	\
	5200MHz	17.36	\	\	\	\	\	\	\
	5240MHz	17.46	\	\	\	\	\	\	\
	5260MHz	17.56	\	\	\	\	\	\	\
	5280MHz	17.48	\	\	\	\	\	\	\
	5320MHz	17.31	\	\	\	\	\	\	\
	5500MHz	14.42	\	\	\	\	\	\	\
	5580MHz	16.97	\	\	\	\	\	\	\
	5700MHz	14.37	\	\	\	\	\	\	\
	5720MHz	16.41	\	\	\	\	\	\	\

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

802.11ac-VHT20 mode

Mode	Frequency	Test Result (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
802.11ac (VHT20)	5180MHz	16.90	\	\	\	\	\	\	\	\
	5200MHz	17.36	\	\	\	\	\	\	\	\
	5240MHz	17.40	\	\	\	\	\	\	\	\
	5260MHz	17.53	\	\	\	\	\	\	\	\
	5280MHz	17.42	\	\	\	\	\	\	\	\
	5320MHz	17.23	\	\	\	\	\	\	\	\
	5500MHz	14.42	\	\	\	\	\	\	\	\
	5580MHz	16.85	\	\	\	\	\	\	\	\
	5700MHz	14.33	\	\	\	\	\	\	\	\
	5720MHz	16.76	\	\	\	\	\	\	\	\

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

802.11ax-HE20 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE20)	5180MHz (Ch36)	17.53	\	\	\	\	\	\	\	\	\	\	\
	5200MHz (Ch40)	17.32	\	\	\	\	\	\	\	\	\	\	\
	5240MHz (Ch48)	17.39	\	\	\	\	\	\	\	\	\	\	\
	5260MHz (Ch52)	17.52	\	\	\	\	\	\	\	\	\	\	\
	5280MHz (Ch56)	17.46	\	\	\	\	\	\	\	\	\	\	\
	5320MHz (Ch64)	17.27	\	\	\	\	\	\	\	\	\	\	\
	5500MHz (Ch100)	14.73	\	\	\	\	\	\	\	\	\	\	\
	5580MHz (Ch116)	16.96	\	\	\	\	\	\	\	\	\	\	\
	5700MHz (Ch140)	14.54	\	\	\	\	\	\	\	\	\	\	\

	5720MHz (Ch144)	16.78	\	\	\	\	\	\	\	\	\	\	\

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

802.11n-HT40 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT40)	5190MHz	16.83	\	\	\	\	\	\	\
	5230MHz	16.82	\	\	\	\	\	\	\
	5270MHz	16.75	\	\	\	\	\	\	\
	5310MHz	16.76	\	\	\	\	\	\	\
	5510MHz	15.42	\	\	\	\	\	\	\
	5550MHz	16.28	\	\	\	\	\	\	\
	5670MHz	16.40	\	\	\	\	\	\	\
	5710MHz	16.21	\	\	\	\	\	\	\

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

802.11ac-VHT40 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT40)	5190MHz	16.81	\	\	\	\	\	\	\	\	\
	5230MHz	16.84	\	\	\	\	\	\	\	\	\
	5270MHz	16.75	\	\	\	\	\	\	\	\	\
	5310MHz	16.79	\	\	\	\	\	\	\	\	\
	5510MHz	15.39	\	\	\	\	\	\	\	\	\
	5550MHz	16.30	\	\	\	\	\	\	\	\	\
	5670MHz	16.37	\	\	\	\	\	\	\	\	\
	5710MHz	16.19	\	\	\	\	\	\	\	\	\

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

802.11ax-HE40 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE40)	5190MHz (Ch38)	16.24	\	\	\	\	\	\	\	\	\	\	\
	5230MHz (Ch46)	16.22	\	\	\	\	\	\	\	\	\	\	\
	5270MHz (Ch54)	16.18	\	\	\	\	\	\	\	\	\	\	\
	5310MHz (Ch62)	16.16	\	\	\	\	\	\	\	\	\	\	\
	5510MHz (Ch102)	14.97	\	\	\	\	\	\	\	\	\	\	\
	5550MHz (Ch110)	15.65	\	\	\	\	\	\	\	\	\	\	\
	5670MHz (Ch134)	15.77	\	\	\	\	\	\	\	\	\	\	\
	5710MHz (Ch142)	15.61	\	\	\	\	\	\	\	\	\	\	\

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

802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT80)	5210MHz	16.25	\	\	\	\	\	\	\	\	\
	5290MHz	16.22	\	\	\	\	\	\	\	\	\
	5530MHz	14.63	\	\	\	\	\	\	\	\	\
	5610MHz	15.94	\	\	\	\	\	\	\	\	\
	5690MHz	15.78	\	\	\	\	\	\	\	\	\

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

802.11ax-HE80 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE80)	5210MHz (Ch42)	16.13	\	\	\	\	\	\	\	\	\	\	\
	5290MHz (Ch58)	16.09	\	\	\	\	\	\	\	\	\	\	\
	5530MHz (Ch106)	14.44	\	\	\	\	\	\	\	\	\	\	\
	5610MHz (Ch122)	15.81	\	\	\	\	\	\	\	\	\	\	\
	5690MHz (Ch138)	15.65	\	\	\	\	\	\	\	\	\	\	\

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

802.11ax-HE160 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE160)	5250MHz (Ch50)	14.59	\	\	\	\	\	\	\	\	\	\	\
	5570MHz (Ch114)	13.40	\	\	\	\	\	\	\	\	\	\	\

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

MIMO

802.11n-HT20 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT20)	5180MHz	20.43	\	\	\	\	\	\	\
	5200MHz	20.26	\	\	\	\	\	\	\
	5240MHz	20.30	\	\	\	\	\	\	\
	5260MHz	20.42	\	\	\	\	\	\	\
	5280MHz	20.33	\	\	\	\	\	\	\
	5320MHz	20.18	\	\	\	\	\	\	\
	5500MHz	17.44	\	\	\	\	\	\	\
	5580MHz	19.80	\	\	\	\	\	\	\
	5700MHz	17.33	\	\	\	\	\	\	\
	5720MHz	19.65	\	\	\	\	\	\	\

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

802.11ac-VHT20 mode

Mode	Frequency	Test Result (dBm)								
		Data Rate								
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
802.11ac (VHT20)	5180MHz	20.42	\	\	\	\	\	\	\	\
	5200MHz	20.22	\	\	\	\	\	\	\	\
	5240MHz	20.28	\	\	\	\	\	\	\	\
	5260MHz	20.41	\	\	\	\	\	\	\	\
	5280MHz	20.33	\	\	\	\	\	\	\	\
	5320MHz	20.09	\	\	\	\	\	\	\	\
	5500MHz	17.44	\	\	\	\	\	\	\	\
	5580MHz	19.83	\	\	\	\	\	\	\	\
	5700MHz	17.31	\	\	\	\	\	\	\	\
	5720MHz	19.62	\	\	\	\	\	\	\	\

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

802.11ax-HE20 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE20)	5180MHz (Ch36)	20.64	\	\	\	\	\	\	\	\	\	\	\
	5200MHz (Ch40)	20.44	\	\	\	\	\	\	\	\	\	\	\
	5240MHz (Ch48)	20.47	\	\	\	\	\	\	\	\	\	\	\
	5260MHz (Ch52)	20.59	\	\	\	\	\	\	\	\	\	\	\
	5280MHz (Ch56)	20.52	\	\	\	\	\	\	\	\	\	\	\
	5320MHz (Ch64)	20.31	\	\	\	\	\	\	\	\	\	\	\
	5500MHz (Ch100)	17.62	\	\	\	\	\	\	\	\	\	\	\
	5580MHz (Ch116)	20.02	\	\	\	\	\	\	\	\	\	\	\
	5700MHz (Ch140)	17.48	\	\	\	\	\	\	\	\	\	\	\
	5720MHz (Ch144)	19.74	\	\	\	\	\	\	\	\	\	\	\

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

802.11n-HT40 mode

Mode	Frequency	Test Result (dBm)							
		Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT40)	5190MHz	19.56	\	\	\	\	\	\	\
	5230MHz	19.59	\	\	\	\	\	\	\
	5270MHz	19.54	\	\	\	\	\	\	\
	5310MHz	19.51	\	\	\	\	\	\	\
	5510MHz	18.64	\	\	\	\	\	\	\
	5550MHz	18.98	\	\	\	\	\	\	\
	5670MHz	19.13	\	\	\	\	\	\	\
	5710MHz	19.02	\	\	\	\	\	\	\

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

802.11ac-VHT40 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT40)	5190MHz	19.60	\	\	\	\	\	\	\	\	\
	5230MHz	19.57	\	\	\	\	\	\	\	\	\
	5270MHz	19.54	\	\	\	\	\	\	\	\	\
	5310MHz	19.49	\	\	\	\	\	\	\	\	\
	5510MHz	18.64	\	\	\	\	\	\	\	\	\
	5550MHz	18.98	\	\	\	\	\	\	\	\	\
	5670MHz	19.14	\	\	\	\	\	\	\	\	\
	5710MHz	18.93	\	\	\	\	\	\	\	\	\

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

802.11ax-HE40 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE40)	5190MHz (Ch38)	19.52	\	\	\	\	\	\	\	\	\	\	\
	5230MHz (Ch46)	19.24	\	\	\	\	\	\	\	\	\	\	\
	5270MHz (Ch54)	19.18	\	\	\	\	\	\	\	\	\	\	\
	5310MHz (Ch62)	19.13	\	\	\	\	\	\	\	\	\	\	\
	5510MHz (Ch102)	18.23	\	\	\	\	\	\	\	\	\	\	\
	5550MHz (Ch110)	18.64	\	\	\	\	\	\	\	\	\	\	\
	5670MHz (Ch134)	18.75	\	\	\	\	\	\	\	\	\	\	\
	5710MHz (Ch142)	18.54	\	\	\	\	\	\	\	\	\	\	\

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

802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT80)	5210MHz	19.32	\	\	\	\	\	\	\	\	\
	5290MHz	19.25	\	\	\	\	\	\	\	\	\
	5530MHz	17.72	\	\	\	\	\	\	\	\	\
	5610MHz	18.95	\	\	\	\	\	\	\	\	\
	5690MHz	18.79	\	\	\	\	\	\	\	\	\

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

802.11ax-HE80 mode

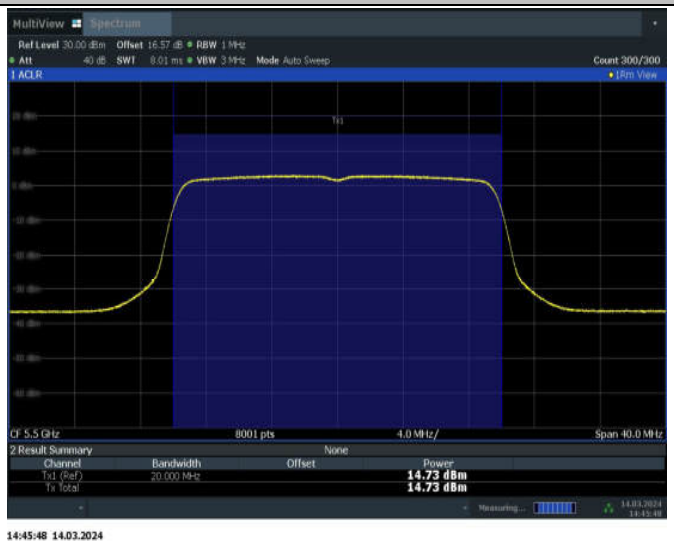
Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE80)	5210MHz (Ch42)	19.18	\	\	\	\	\	\	\	\	\	\	\
	5290MHz (Ch58)	19.12	\	\	\	\	\	\	\	\	\	\	\
	5530MHz (Ch106)	17.57	\	\	\	\	\	\	\	\	\	\	\
	5610MHz (Ch122)	18.80	\	\	\	\	\	\	\	\	\	\	\
	5690MHz (Ch138)	18.65	\	\	\	\	\	\	\	\	\	\	\

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

802.11ax-HE160 mode

Mode	Channel	Test Result (dBm)										
		Data Rate										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	MCS10	MCS11
802.11ax (HE160)	5250MHz (Ch50)	17.58	\	\	\	\	\	\	\	\	\	\	\
	5570MHz (Ch114)	16.60	\	\	\	\	\	\	\	\	\	\	\

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

11AX20SISO_Ant1_5500


802.11ax HE20(full RU) mode 5500MHz (Ch100)

11ax-RU

MIMO

802.11ax-HE20 mode

Mode	Channel	Test Result (dBm)		
		ANT10	ANT7	mimo
		MCS0	MCS0	MCS0
RU26-L	5180MHz (Ch36)	9.49	8.80	12.17
	5200MHz (Ch40)	9.54	8.71	12.16
	5240MHz(Ch48)	9.50	8.78	12.17
	5260MHz(Ch52)	9.40	8.89	12.16
	5280MHz(Ch56)	9.37	8.67	12.04
	5320MHz(Ch64)	9.06	8.66	11.87
RU26-R	5500MHz(Ch100)	8.49	8.87	11.69
	5580MHz(Ch116)	8.25	8.55	11.41
	5700MHz(Ch140)	7.87	8.52	11.22
	5720MHz(Ch140)	7.85	8.45	11.17

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

802.11ax-HE20 mode

Mode	Channel	Test Result (dBm)		
		ANT10	ANT7	mimo
		MCS0	MCS0	MCS0
RU52-L	5180MHz (Ch36)	12.52	11.65	15.12
	5200MHz (Ch40)	12.66	11.59	15.17
	5240MHz(Ch48)	12.58	11.57	15.11
	5260MHz(Ch52)	12.51	11.82	15.19
	5280MHz(Ch56)	12.39	11.51	14.98
	5320MHz(Ch64)	12.29	11.58	14.96
RU52-R	5500MHz(Ch100)	11.78	11.68	14.74
	5580MHz(Ch116)	11.59	11.83	14.72
	5700MHz(Ch140)	11.53	11.51	14.53
	5720MHz(Ch140)	11.51	11.59	14.56

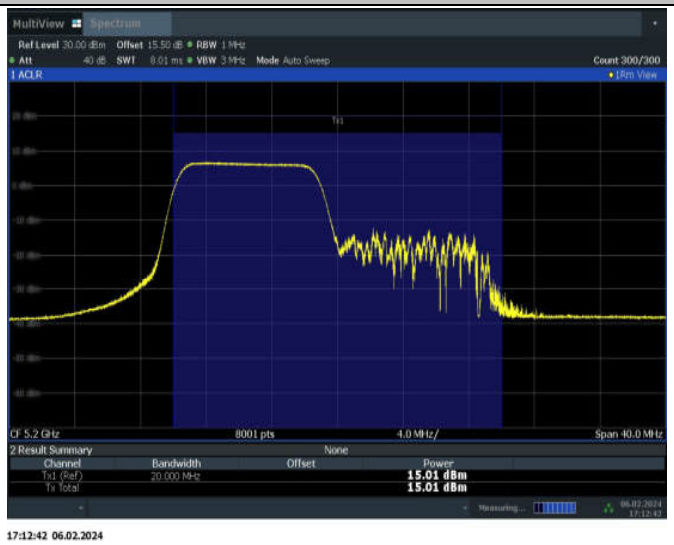
The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ax-HE20 mode

Mode	Channel	Test Result (dBm)		
		ANT10	ANT7	mimo
		MCS0	MCS0	MCS0
RU106-L	5180MHz (Ch36)	15.42	14.83	18.15
	5200MHz (Ch40)	15.01	14.79	17.91
	5240MHz(Ch48)	15.40	14.83	18.13
	5260MHz(Ch52)	15.31	14.89	18.12
	5280MHz(Ch56)	15.17	14.70	17.95
	5320MHz(Ch64)	15.02	14.66	17.85
RU106-R	5500MHz(Ch100)	15.07	14.73	17.91
	5580MHz(Ch116)	14.95	14.62	17.80
	5700MHz(Ch140)	14.67	14.42	17.56
	5720MHz(Ch140)	14.58	14.39	17.50

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

The duty cycle of all mode are 99%

11AX20MIMO_Ant1_5200_106Tone_RU53


802.11ax HE20(106Tone_RU53) mode 5200MHz (Ch40)

Conclusion: PASS

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 Section F is made according to KDB 789033

EUT ID: UT25a

Measurement Results:

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	ANT10	5180	8.57	≤11.00	PASS
		5200	8.38	≤11.00	PASS
		5240	8.73	≤11.00	PASS
		5260	8.29	≤11.00	PASS
		5280	8.22	≤11.00	PASS
		5320	7.92	≤11.00	PASS
		5500	7.21	≤11.00	PASS
		5580	7.81	≤11.00	PASS
		5700	6.95	≤11.00	PASS
		5720	7.90	≤11.00	PASS
11AC40SISO	ANT10	5190	-8.27	≤11.00	PASS
		5230	-7.93	≤11.00	PASS
		5270	-7.82	≤11.00	PASS
		5310	-7.48	≤11.00	PASS
		5510	1.07	≤11.00	PASS
		5550	-7.65	≤11.00	PASS
		5670	-8.12	≤11.00	PASS
		5710	-7.32	≤11.00	PASS
11AC80SISO	ANT10	5210	0.96	≤11.00	PASS
		5290	0.82	≤11.00	PASS
		5530	-2.32	≤11.00	PASS
		5610	-3.60	≤11.00	PASS
		5690	0.66	≤11.00	PASS
11AX20SISO	ANT10	5180	7.92	≤11.00	PASS
		5200	8.20	≤11.00	PASS
		5240	8.27	≤11.00	PASS
		5260	8.01	≤11.00	PASS
		5280	7.77	≤11.00	PASS
		5320	7.50	≤11.00	PASS
		5500	3.10	≤11.00	PASS
		5580	7.41	≤11.00	PASS

		5700	3.06	≤11.00	PASS
		5720	7.58	≤11.00	PASS
11AX160SISO	ANT10	5250	-3.50	≤11.00	PASS
		5570	-6.73	≤11.00	PASS
11AC40MIMO	ANT10	5190	2.56	≤11.00	PASS
	ANT7	5190	1.43	≤11.00	PASS
	total	5190	5.04	≤11.00	PASS
	ANT10	5230	2.46	≤11.00	PASS
	ANT7	5230	1.85	≤11.00	PASS
	total	5230	5.18	≤11.00	PASS
	ANT10	5270	2.26	≤11.00	PASS
	ANT7	5270	1.97	≤11.00	PASS
	total	5270	5.13	≤11.00	PASS
	ANT10	5310	2.08	≤11.00	PASS
	ANT7	5310	2.36	≤11.00	PASS
	total	5310	5.23	≤11.00	PASS
	ANT10	5510	1.76	≤11.00	PASS
	ANT7	5510	1.14	≤11.00	PASS
	total	5510	4.47	≤11.00	PASS
	ANT10	5550	1.66	≤11.00	PASS
	ANT7	5550	1.83	≤11.00	PASS
	total	5550	4.76	≤11.00	PASS
	ANT10	5670	1.93	≤11.00	PASS
	ANT7	5670	2.17	≤11.00	PASS
	total	5670	5.06	≤11.00	PASS
	ANT10	5710	2.17	≤11.00	PASS
	ANT7	5710	2.65	≤11.00	PASS
	total	5710	5.43	≤11.00	PASS
11AC80MIMO	ANT10	5210	-1.00	≤11.00	PASS
	ANT7	5210	-1.51	≤11.00	PASS
	total	5210	1.76	≤11.00	PASS
	ANT10	5290	-0.92	≤11.00	PASS
	ANT7	5290	-1.14	≤11.00	PASS
	total	5290	1.98	≤11.00	PASS
	ANT10	5530	-2.13	≤11.00	PASS
	ANT7	5530	-2.64	≤11.00	PASS
	total	5530	0.63	≤11.00	PASS
	ANT10	5610	-1.74	≤11.00	PASS
	ANT7	5610	-1.85	≤11.00	PASS
	total	5610	1.22	≤11.00	PASS
	ANT10	5690	-1.00	≤11.00	PASS
	ANT7	5690	-0.85	≤11.00	PASS
	total	5690	2.09	≤11.00	PASS

11AX20MIMO	ANT10	5180	6.18	≤11.00	PASS
	ANT7	5180	5.39	≤11.00	PASS
	total	5180	8.81	≤11.00	PASS
	ANT10	5200	6.22	≤11.00	PASS
	ANT7	5200	5.99	≤11.00	PASS
	total	5200	9.12	≤11.00	PASS
	ANT10	5240	6.49	≤11.00	PASS
	ANT7	5240	5.72	≤11.00	PASS
	total	5240	9.13	≤11.00	PASS
	ANT10	5260	6.00	≤11.00	PASS
	ANT7	5260	6.03	≤11.00	PASS
	total	5260	9.03	≤11.00	PASS
	ANT10	5280	6.00	≤11.00	PASS
	ANT7	5280	6.29	≤11.00	PASS
	total	5280	9.16	≤11.00	PASS
	ANT10	5320	5.81	≤11.00	PASS
	ANT7	5320	6.10	≤11.00	PASS
	total	5320	8.97	≤11.00	PASS
	ANT10	5500	3.27	≤11.00	PASS
	ANT7	5500	3.37	≤11.00	PASS
	total	5500	6.33	≤11.00	PASS
	ANT10	5580	5.73	≤11.00	PASS
	ANT7	5580	5.50	≤11.00	PASS
	total	5580	8.63	≤11.00	PASS
	ANT10	5700	3.15	≤11.00	PASS
	ANT7	5700	3.07	≤11.00	PASS
	total	5700	6.12	≤11.00	PASS
	ANT10	5720	5.84	≤11.00	PASS
	ANT7	5720	5.69	≤11.00	PASS
	total	5720	8.78	≤11.00	PASS
11AX160MIMO	ANT10	5250	-5.53	≤11.00	PASS
	ANT7	5250	-6.47	≤11.00	PASS
	total	5250	-2.96	≤11.00	PASS
	ANT10	5570	-6.49	≤11.00	PASS
	ANT7	5570	-6.01	≤11.00	PASS
	total	5570	-3.23	≤11.00	PASS

11ax20-RU

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20MIMO	ANT10	5180	26Tone	RU0	6.25	≤11.00	PASS
			52Tone	RU37	6.47	≤11.00	PASS
			106Tone	RU53	6.35	≤11.00	PASS
	ANT7	5180	26Tone	RU0	5.16	≤11.00	PASS
			52Tone	RU37	5.16	≤11.00	PASS
			106Tone	RU53	5.43	≤11.00	PASS
	total	5180	26Tone	RU0	8.75	≤11.00	PASS
			52Tone	RU37	8.87	≤11.00	PASS
			106Tone	RU53	8.92	≤11.00	PASS
	ANT10	5200	26Tone	RU0	6.57	≤11.00	PASS
			52Tone	RU37	6.67	≤11.00	PASS
			106Tone	RU53	6.77	≤11.00	PASS
	ANT7	5200	26Tone	RU0	5.60	≤11.00	PASS
			52Tone	RU37	5.84	≤11.00	PASS
			106Tone	RU53	5.99	≤11.00	PASS
	total	5200	26Tone	RU0	9.12	≤11.00	PASS
			52Tone	RU37	9.29	≤11.00	PASS
			106Tone	RU53	9.41	≤11.00	PASS
	ANT10	5240	26Tone	RU0	6.29	≤11.00	PASS
			52Tone	RU37	6.99	≤11.00	PASS
			106Tone	RU53	6.80	≤11.00	PASS
	ANT7	5240	26Tone	RU0	5.68	≤11.00	PASS
			52Tone	RU37	5.83	≤11.00	PASS
			106Tone	RU53	6.07	≤11.00	PASS
	total	5240	26Tone	RU0	9.01	≤11.00	PASS
			52Tone	RU37	9.46	≤11.00	PASS
			106Tone	RU53	9.46	≤11.00	PASS
	ANT10	5260	26Tone	RU0	6.52	≤11.00	PASS
			52Tone	RU37	6.88	≤11.00	PASS
			106Tone	RU53	6.96	≤11.00	PASS
	ANT7	5260	26Tone	RU0	5.80	≤11.00	PASS
			52Tone	RU37	5.90	≤11.00	PASS
			106Tone	RU53	6.35	≤11.00	PASS
	total	5260	26Tone	RU0	9.19	≤11.00	PASS
			52Tone	RU37	9.43	≤11.00	PASS
			106Tone	RU53	9.68	≤11.00	PASS
	ANT10	5280	26Tone	RU0	6.41	≤11.00	PASS
			52Tone	RU37	6.39	≤11.00	PASS
			106Tone	RU53	6.57	≤11.00	PASS
	ANT7	5280	26Tone	RU0	5.75	≤11.00	PASS

			52Tone	RU37	5.92	≤11.00	PASS
			106Tone	RU53	6.19	≤11.00	PASS
	total	5280	26Tone	RU0	9.10	≤11.00	PASS
			52Tone	RU37	9.17	≤11.00	PASS
			106Tone	RU53	9.39	≤11.00	PASS
	ANT10	5320	26Tone	RU0	6.30	≤11.00	PASS
			52Tone	RU37	6.53	≤11.00	PASS
			106Tone	RU53	6.53	≤11.00	PASS
	ANT7	5320	26Tone	RU0	5.64	≤11.00	PASS
			52Tone	RU37	6.00	≤11.00	PASS
			106Tone	RU53	6.06	≤11.00	PASS
	total	5320	26Tone	RU0	8.99	≤11.00	PASS
			52Tone	RU37	9.28	≤11.00	PASS
			106Tone	RU53	9.31	≤11.00	PASS
	ANT10	5500	26Tone	RU8	5.42	≤11.00	PASS
			52Tone	RU40	5.73	≤11.00	PASS
			106Tone	RU54	6.17	≤11.00	PASS
	ANT7	5500	26Tone	RU8	6.41	≤11.00	PASS
			52Tone	RU40	6.26	≤11.00	PASS
			106Tone	RU54	6.58	≤11.00	PASS
	total	5500	26Tone	RU8	8.95	≤11.00	PASS
			52Tone	RU40	9.01	≤11.00	PASS
			106Tone	RU54	9.39	≤11.00	PASS
	ANT10	5580	26Tone	RU8	4.75	≤11.00	PASS
			52Tone	RU40	5.36	≤11.00	PASS
			106Tone	RU54	5.89	≤11.00	PASS
	ANT7	5580	26Tone	RU8	5.61	≤11.00	PASS
			52Tone	RU40	5.94	≤11.00	PASS
			106Tone	RU54	5.97	≤11.00	PASS
	total	5580	26Tone	RU8	8.21	≤11.00	PASS
			52Tone	RU40	8.67	≤11.00	PASS
			106Tone	RU54	8.94	≤11.00	PASS
	ANT10	5700	26Tone	RU8	5.07	≤11.00	PASS
			52Tone	RU40	5.98	≤11.00	PASS
			106Tone	RU54	6.22	≤11.00	PASS
	ANT7	5700	26Tone	RU8	6.50	≤11.00	PASS
			52Tone	RU40	6.85	≤11.00	PASS
			106Tone	RU54	6.64	≤11.00	PASS
	total	5700	26Tone	RU8	8.85	≤11.00	PASS
			52Tone	RU40	9.45	≤11.00	PASS
			106Tone	RU54	9.45	≤11.00	PASS
	ANT10	5720	26Tone	RU8	2.87	≤11.00	PASS
			52Tone	RU40	3.39	≤11.00	PASS

			106Tone	RU54	6.31	≤11.00	PASS
	ANT7	5720	26Tone	RU8	3.39	≤11.00	PASS
			52Tone	RU40	3.71	≤11.00	PASS
			106Tone	RU54	6.09	≤11.00	PASS
	total	5720	26Tone	RU8	6.15	≤11.00	PASS
			52Tone	RU40	6.56	≤11.00	PASS
			106Tone	RU54	9.21	≤11.00	PASS

Peak Power Spectral Density:11a 5180 SISO-ANT10

Conclusion: PASS

A.4. 26dB Emission 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

EUT ID: UT25a

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	ANT10	5180	20.04	5169.68	5189.72	---	---
		5200	19.96	5189.64	5209.60	---	---
		5240	20.16	5229.68	5249.84	---	---
		5260	20.12	5249.64	5269.76	---	---
		5280	20.40	5269.68	5290.08	---	---
		5320	20.40	5309.64	5330.04	---	---
		5500	20.40	5489.64	5510.04	---	---
		5580	19.96	5569.64	5589.60	---	---
		5700	19.88	5689.72	5709.60	---	---
		5720	20.04	5709.72	5729.76	---	---
11AC40SISO	ANT10	5190	40.00	5170.16	5210.16	---	---
		5230	40.64	5209.68	5250.32	---	---
		5270	40.72	5249.84	5290.56	---	---
		5310	40.16	5289.84	5330.00	---	---
		5510	40.08	5489.84	5529.92	---	---
		5550	40.56	5529.76	5570.32	---	---
		5670	40.00	5650.08	5690.08	---	---
		5710	40.40	5690.08	5730.48	---	---
11AC80SISO	ANT10	5210	82.56	5168.72	5251.28	---	---
		5290	83.04	5248.08	5331.12	---	---
		5530	83.04	5488.40	5571.44	---	---
		5610	83.04	5568.40	5651.44	---	---
		5690	82.88	5648.72	5731.60	---	---
11AX20SISO	ANT10	5180	21.52	5169.36	5190.88	---	---
		5200	21.32	5189.24	5210.56	---	---
		5240	21.68	5229.32	5251.00	---	---
		5260	21.56	5249.16	5270.72	---	---
		5280	21.72	5269.12	5290.84	---	---
		5320	21.84	5308.92	5330.76	---	---
		5500	21.80	5488.96	5510.76	---	---
		5580	21.44	5569.16	5590.60	---	---

		5700	21.48	5689.08	5710.56	---	---
		5720	21.56	5709.40	5730.96	---	---
11AX160SISO	ANT10	5250	167.36	5165.84	5333.20	---	---
		5570	167.04	5486.16	5653.20	---	---
11AC40MIMO	ANT10	5190	40.48	5169.60	5210.08	---	---
	ANT7	5190	40.24	5170.00	5210.24	---	---
	ANT10	5230	40.64	5209.68	5250.32	---	---
	ANT7	5230	40.32	5209.76	5250.08	---	---
	ANT10	5270	40.72	5249.44	5290.16	---	---
	ANT7	5270	40.16	5249.84	5290.00	---	---
	ANT10	5310	40.48	5289.60	5330.08	---	---
	ANT7	5310	40.40	5289.68	5330.08	---	---
	ANT10	5510	40.56	5489.68	5530.24	---	---
	ANT7	5510	40.24	5489.76	5530.00	---	---
	ANT10	5550	40.56	5529.68	5570.24	---	---
	ANT7	5550	40.32	5529.84	5570.16	---	---
	ANT10	5670	40.40	5649.84	5690.24	---	---
	ANT7	5670	40.40	5649.92	5690.32	---	---
	ANT10	5710	40.64	5689.60	5730.24	---	---
	ANT7	5710	40.08	5689.84	5729.92	---	---
11AC80MIMO	ANT10	5210	82.24	5168.72	5250.96	---	---
	ANT7	5210	82.72	5168.40	5251.12	---	---
	ANT10	5290	82.88	5248.40	5331.28	---	---
	ANT7	5290	82.56	5248.72	5331.28	---	---
	ANT10	5530	82.72	5488.56	5571.28	---	---
	ANT7	5530	82.72	5488.56	5571.28	---	---
	ANT10	5610	82.88	5568.56	5651.44	---	---
	ANT7	5610	82.72	5568.56	5651.28	---	---
	ANT10	5690	82.40	5648.88	5731.28	---	---
	ANT7	5690	82.40	5648.72	5731.12	---	---
11AX20MIMO	ANT10	5180	21.40	5169.12	5190.52	---	---
	ANT7	5180	21.40	5169.24	5190.64	---	---
	ANT10	5200	21.20	5189.36	5210.56	---	---
	ANT7	5200	21.20	5189.32	5210.52	---	---
	ANT10	5240	21.92	5228.92	5250.84	---	---
	ANT7	5240	21.20	5229.48	5250.68	---	---
	ANT10	5260	21.08	5249.36	5270.44	---	---
	ANT7	5260	21.40	5249.20	5270.60	---	---
	ANT10	5280	21.40	5269.36	5290.76	---	---
	ANT7	5280	21.20	5269.44	5290.64	---	---
	ANT10	5320	21.80	5309.08	5330.88	---	---
	ANT7	5320	21.32	5309.32	5330.64	---	---
	ANT10	5500	21.08	5489.40	5510.48	---	---

	ANT7	5500	21.32	5489.40	5510.72	---	---
	ANT10	5580	21.20	5569.36	5590.56	---	---
	ANT7	5580	21.24	5569.36	5590.60	---	---
	ANT10	5700	21.08	5689.44	5710.52	---	---
	ANT7	5700	20.88	5689.52	5710.40	---	---
	ANT10	5720	21.04	5709.52	5730.56	---	---
	ANT7	5720	21.20	5709.32	5730.52	---	---
11AX160MIMO	ANT10	5250	167.04	5166.16	5333.20	---	---
	ANT7	5250	166.72	5165.84	5332.56	---	---
	ANT10	5570	168.32	5485.84	5654.16	---	---
	ANT7	5570	166.40	5486.80	5653.20	---	---

Test graphs as below:

11A_ANT10_5180

14:03:00 06.02.2024

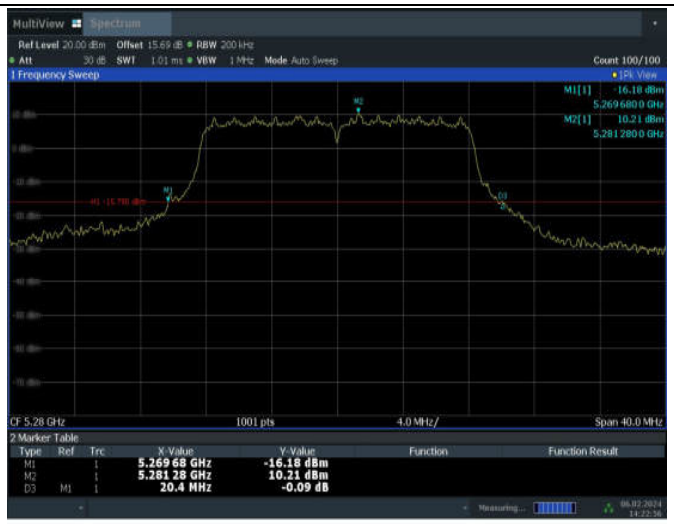
11A_ANT10_5200

14:19:16 06.02.2024

11A_ANT10_5240

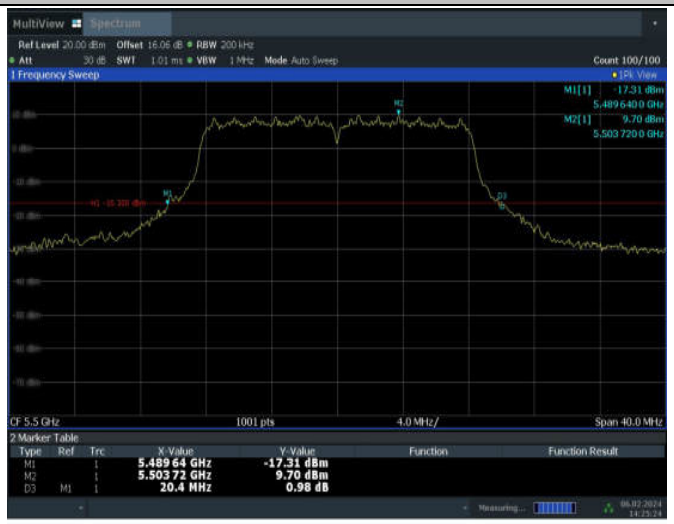
11A_ANT10_5260

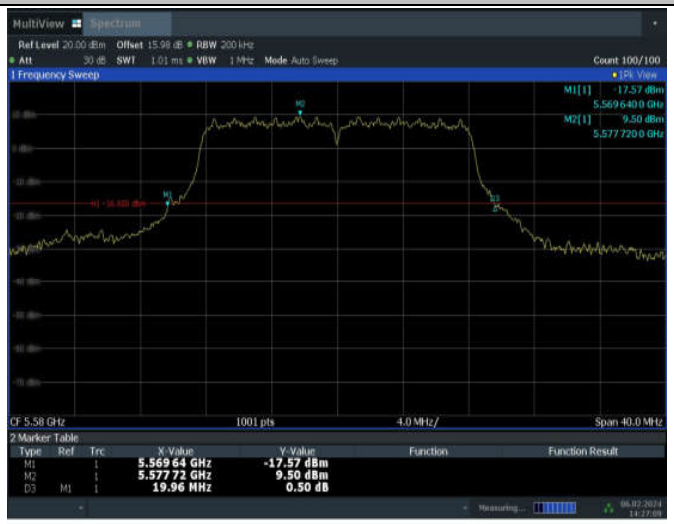
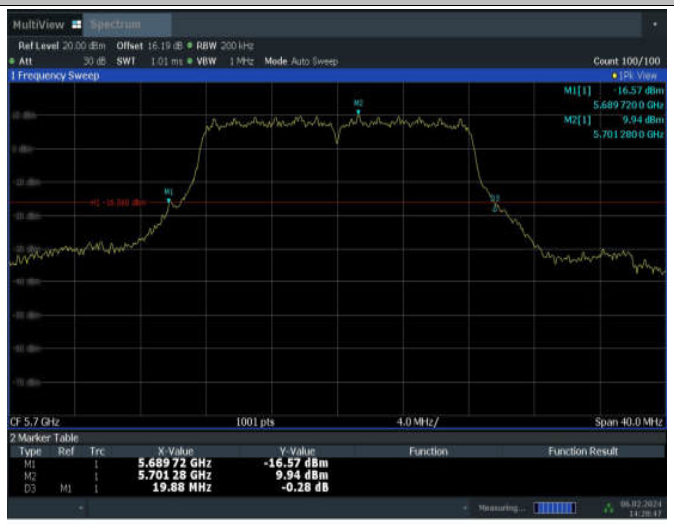
11A_ANT10_5280

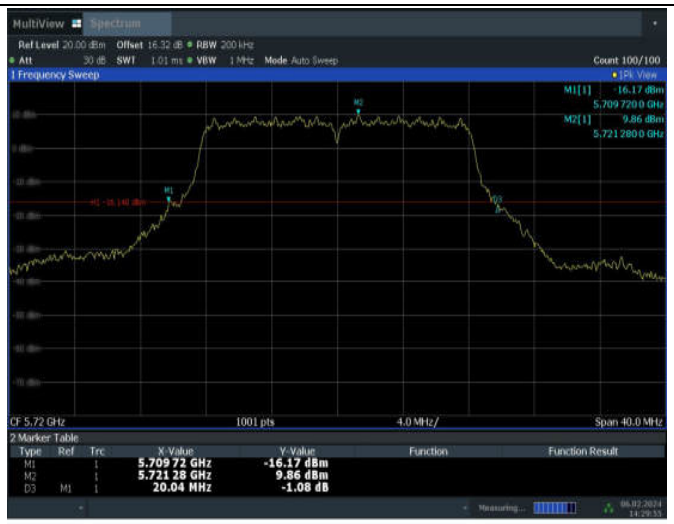


11A_ANT10_5320

11A_ANT10_5500

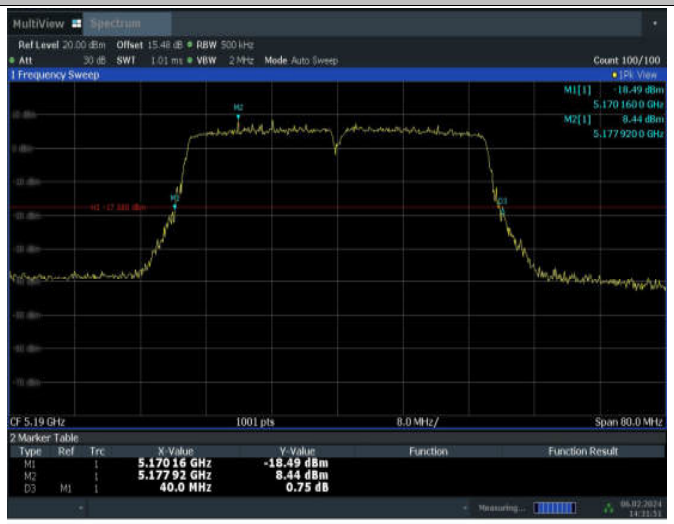


11A_ANT10_5580

11A_ANT10_5700

11A_ANT10_5720



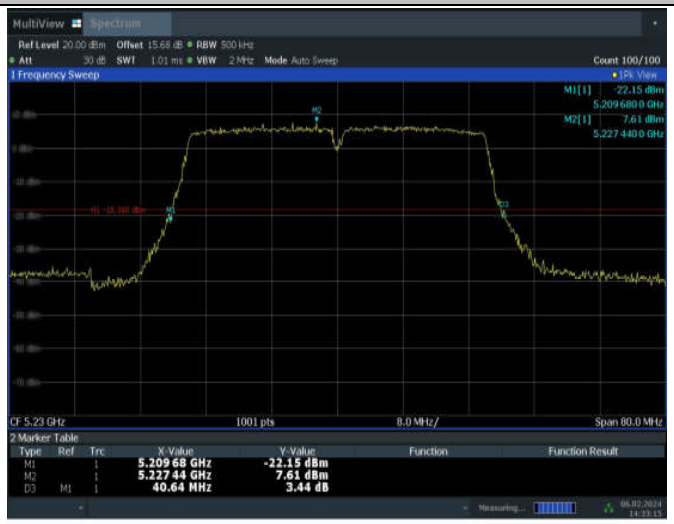
14:29:55 06.02.2024

11AC40SISO_ANT10_5190

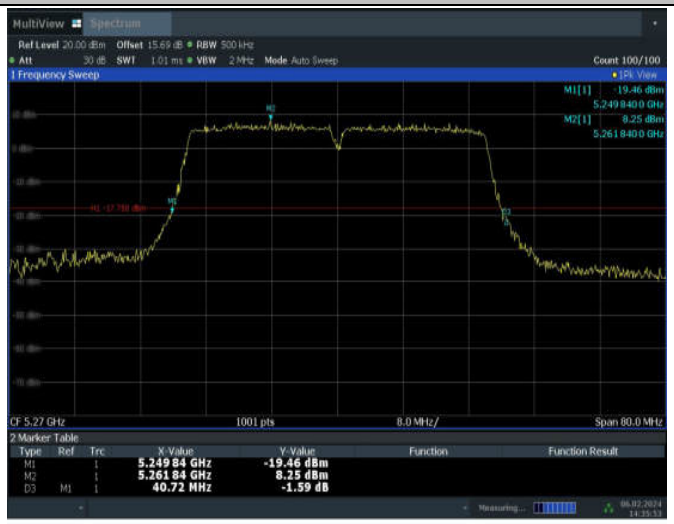
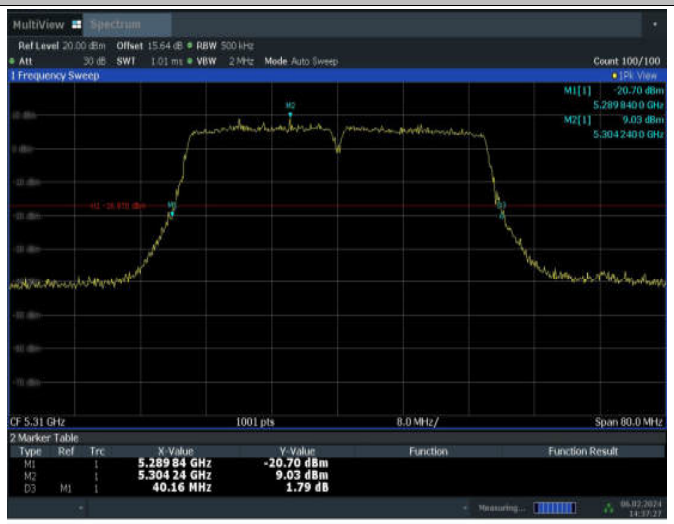


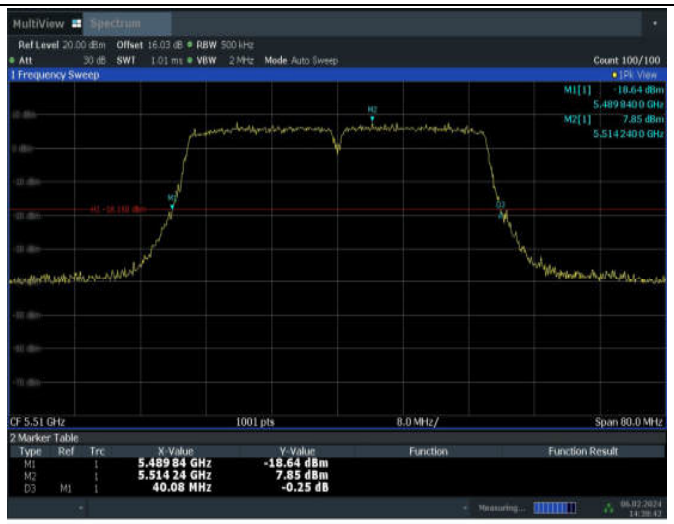
14:31:52 06.02.2024

11AC40SISO_ANT10_5230

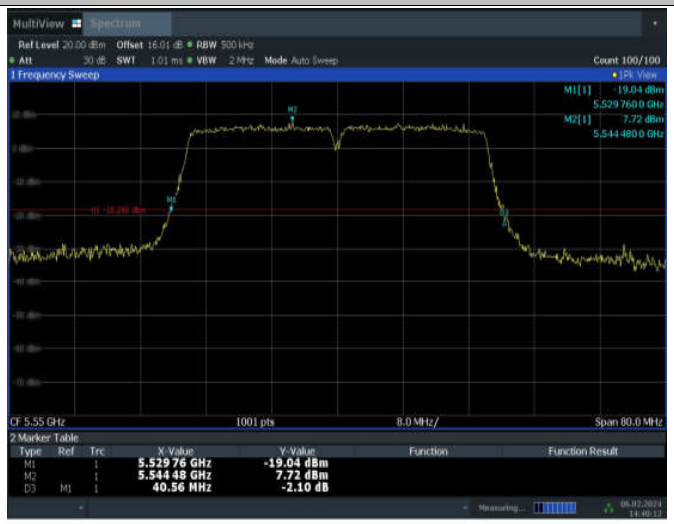


14:33:16 06.02.2024

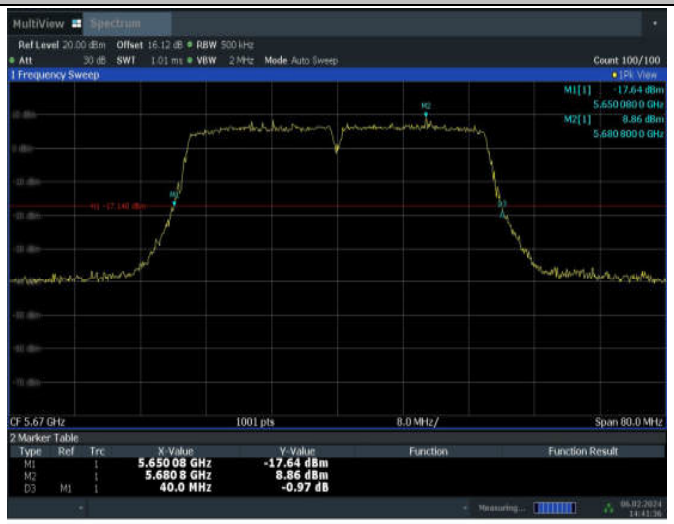
11AC40SISO_ANT10_5270
 14:35:53 06.02.2024
11AC40SISO_ANT10_5310
 14:37:28 06.02.2024
11AC40SISO_ANT10_5510

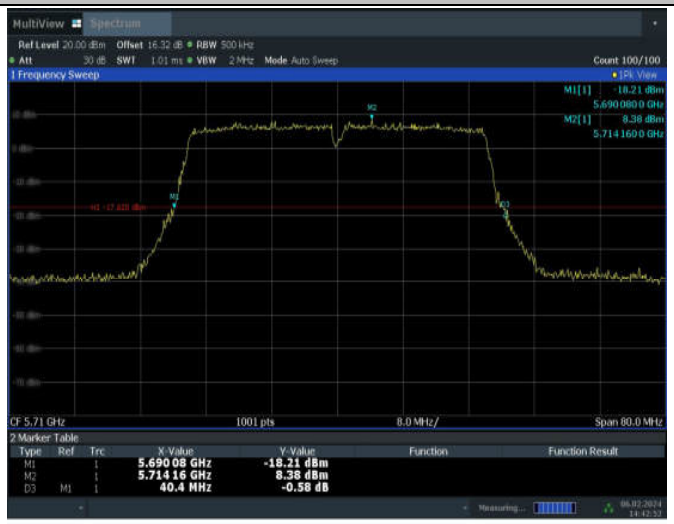
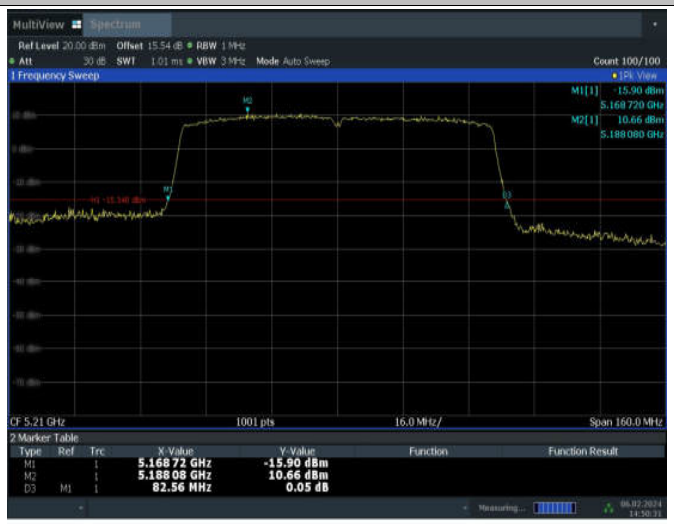


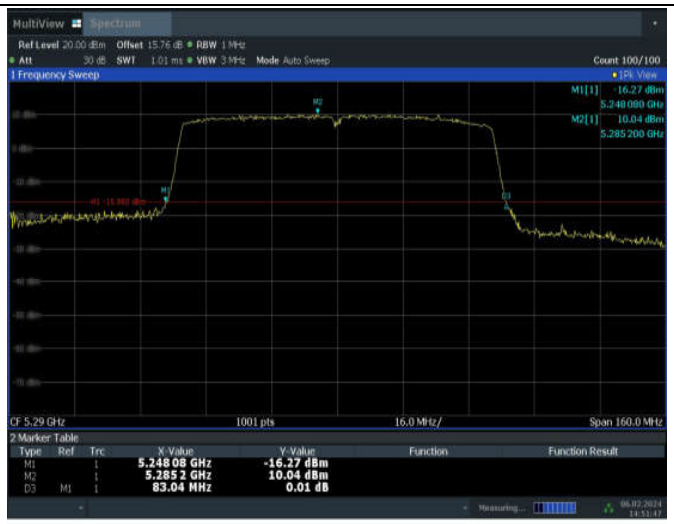
11AC40SISO_ANT10_5550



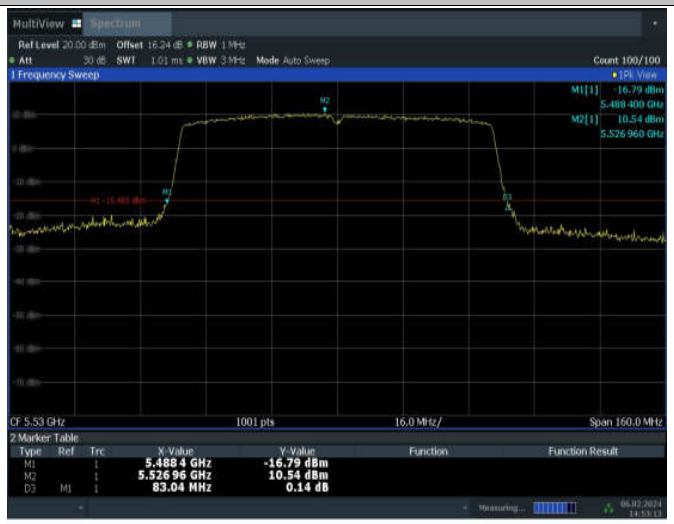
11AC40SISO_ANT10_5670



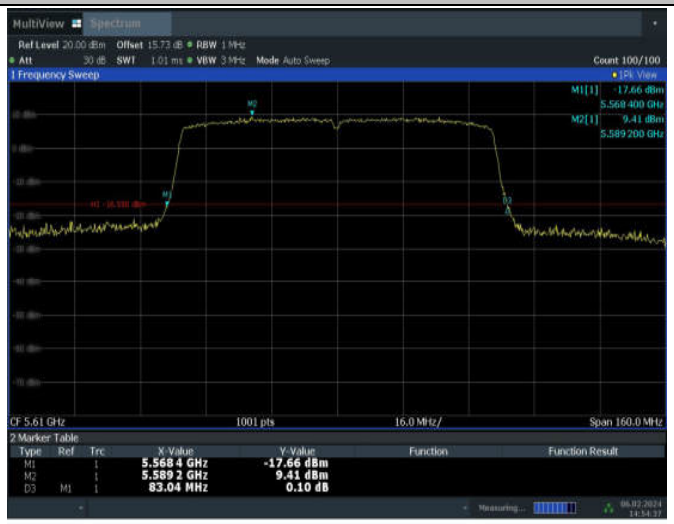
11AC40SISO_ANT10_5710

11AC80SISO_ANT10_5210

11AC80SISO_ANT10_5290

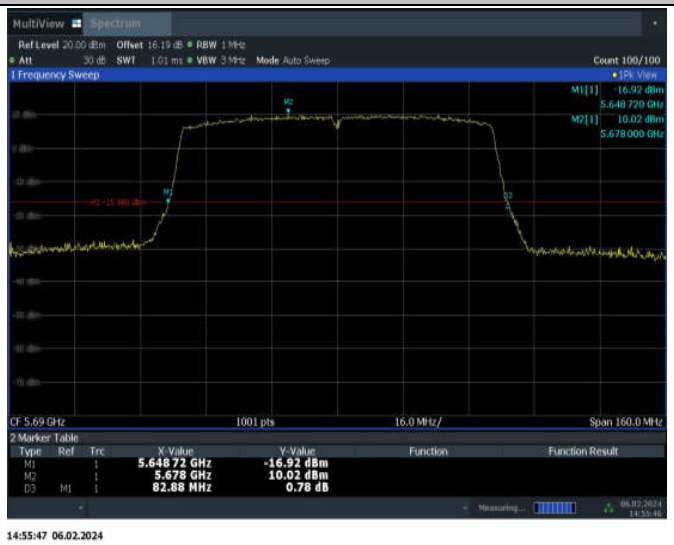


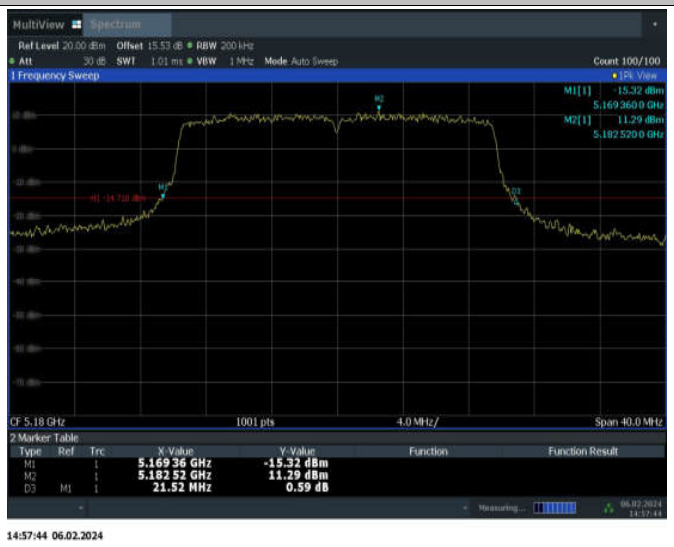
11AC80SISO_ANT10_5530



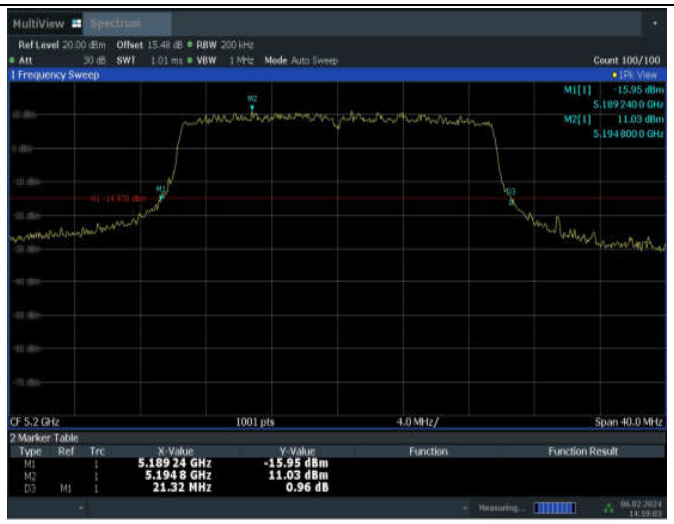
11AC80SISO_ANT10_5610



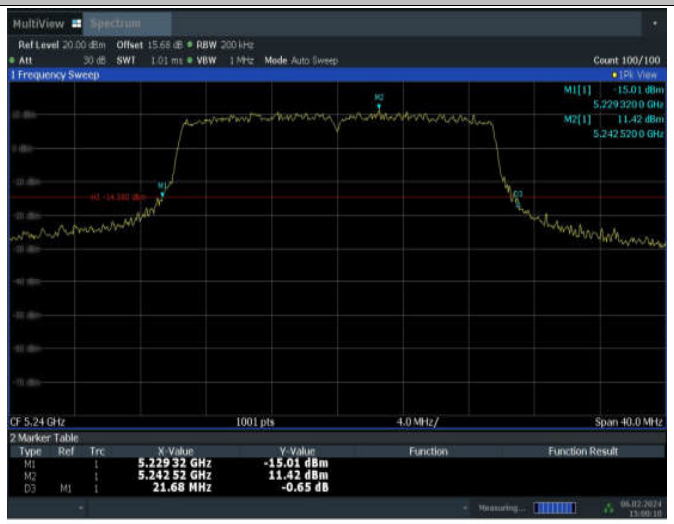
11AC80SISO_ANT10_5690


11AX20SISO_ANT10_5180


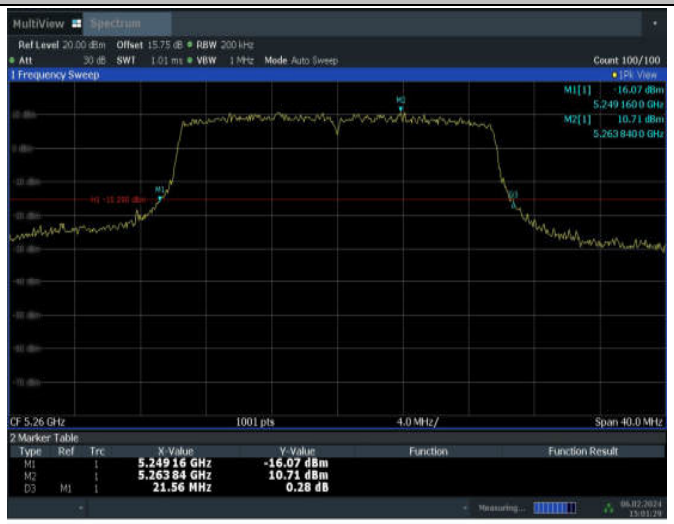
11AX20SISO_ANT10_5200

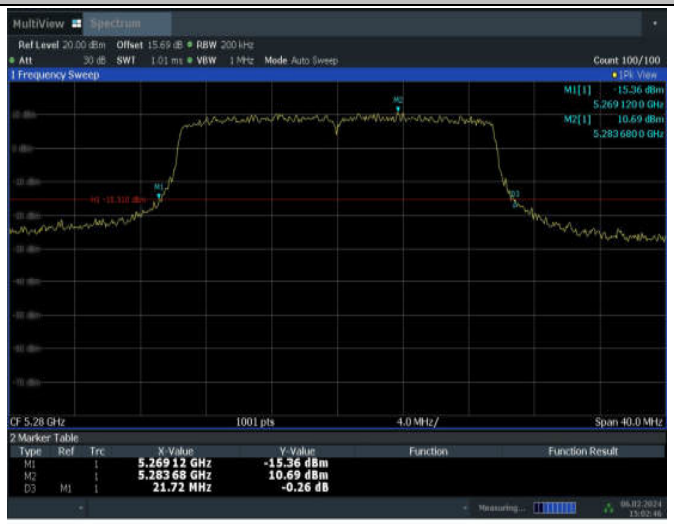
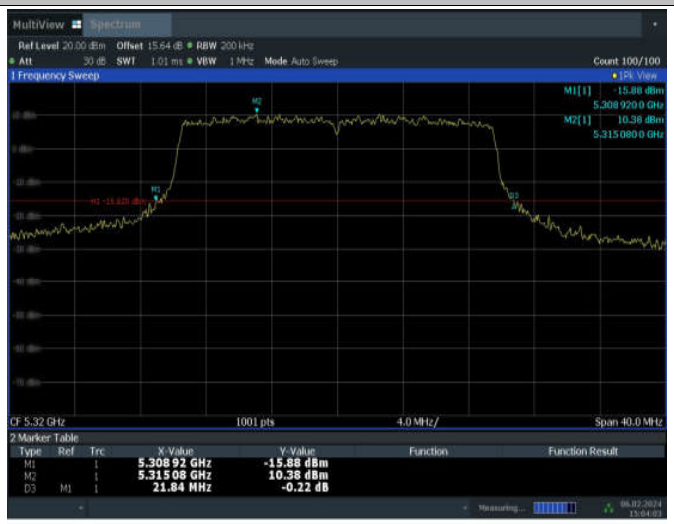


11AX20SISO_ANT10_5240



11AX20SISO_ANT10_5260



11AX20SISO_ANT10_5280

11AX20SISO_ANT10_5320

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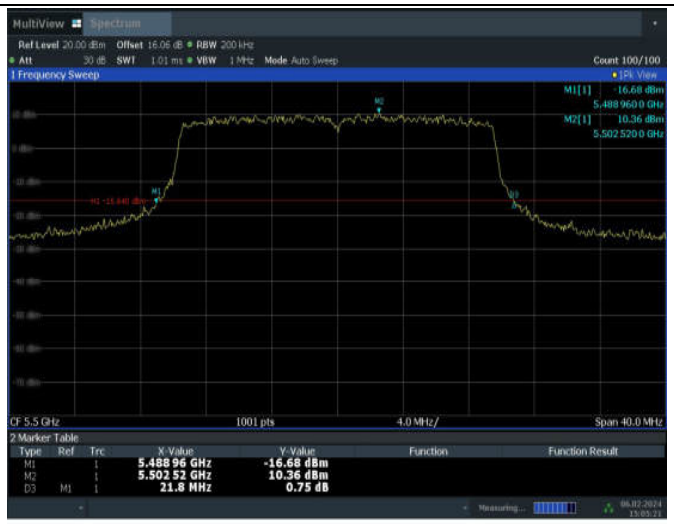

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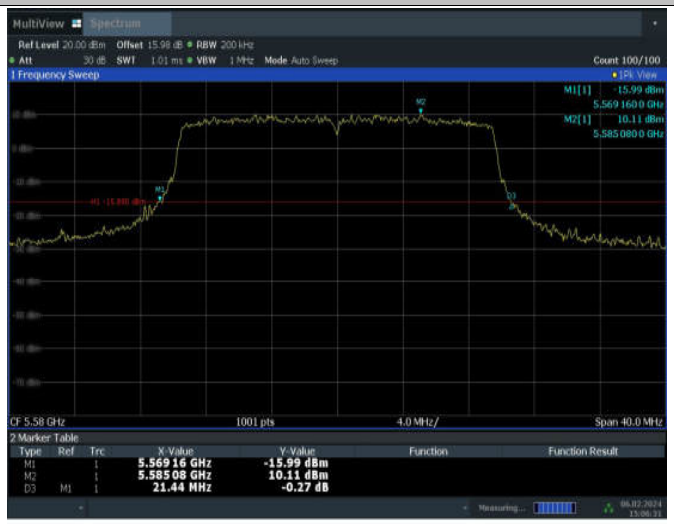

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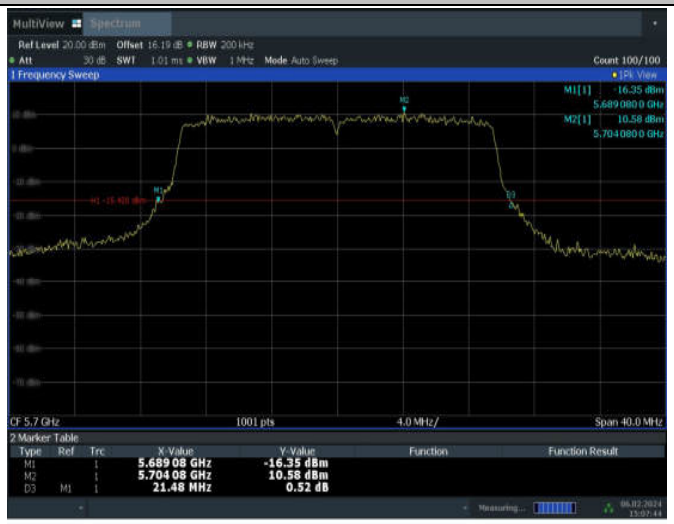
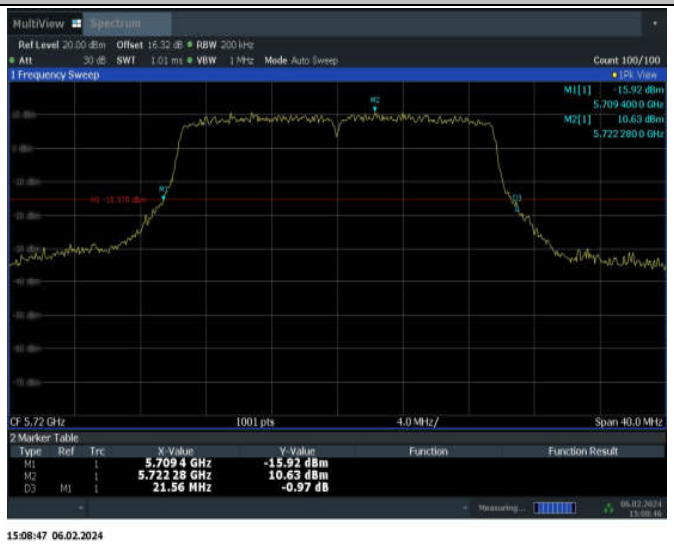


11AX20SISO_ANT10_5720


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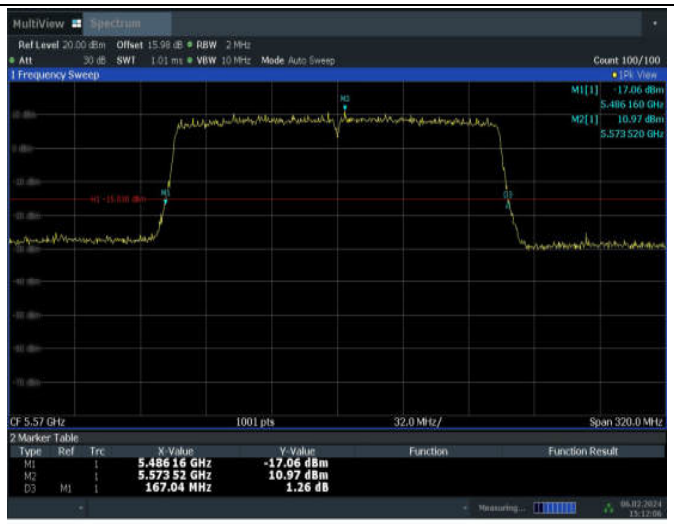
11AX160SISO_ANT10_5570



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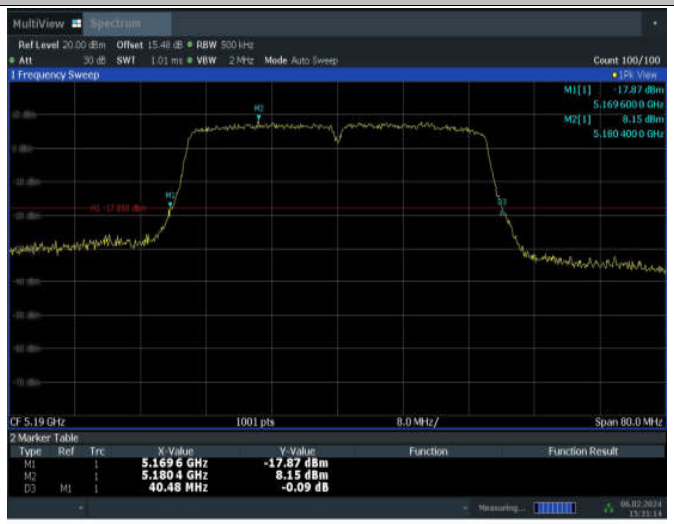

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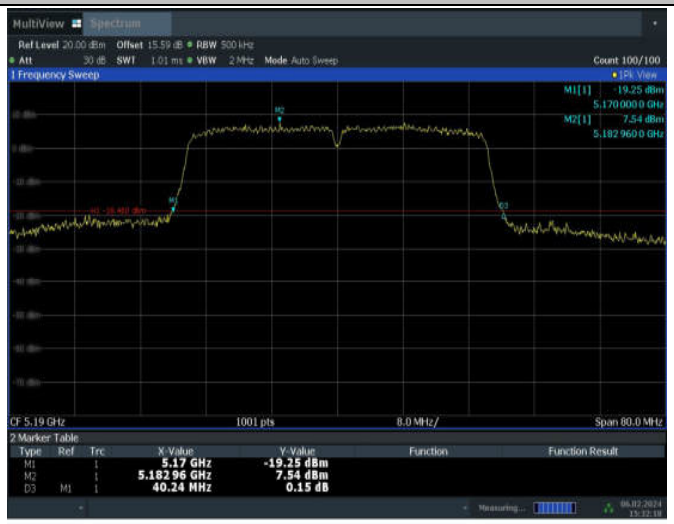

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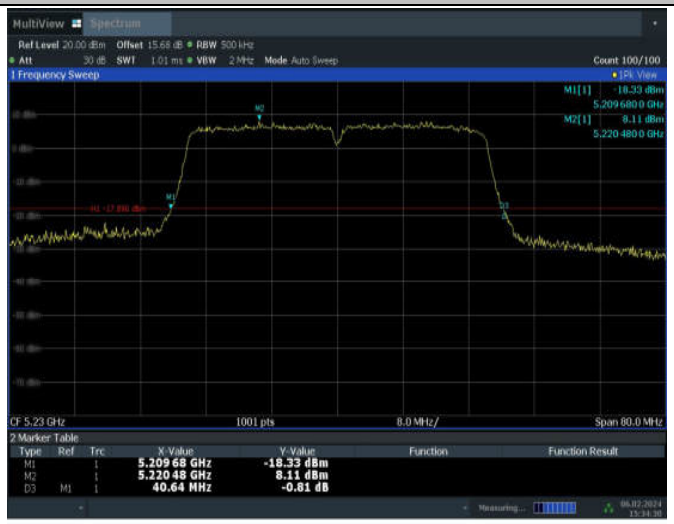
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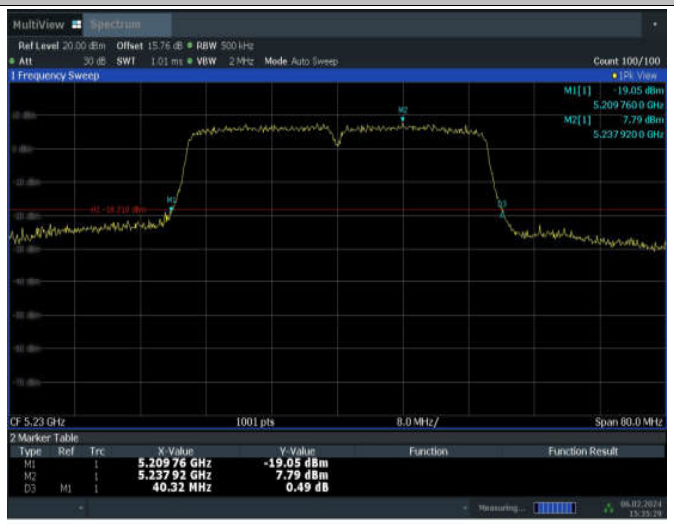
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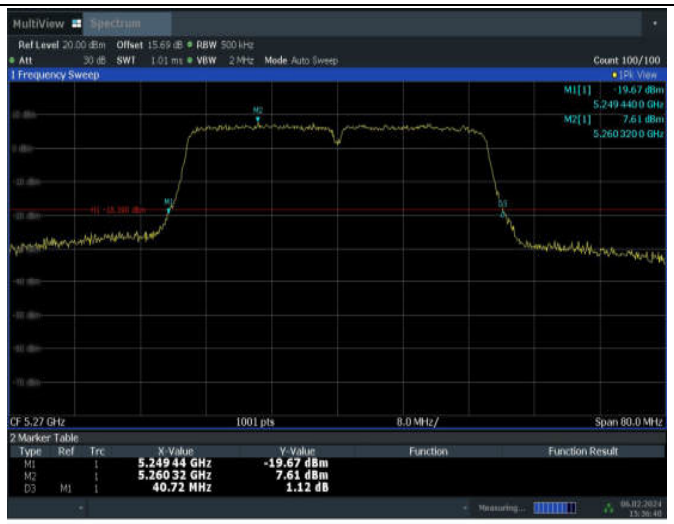

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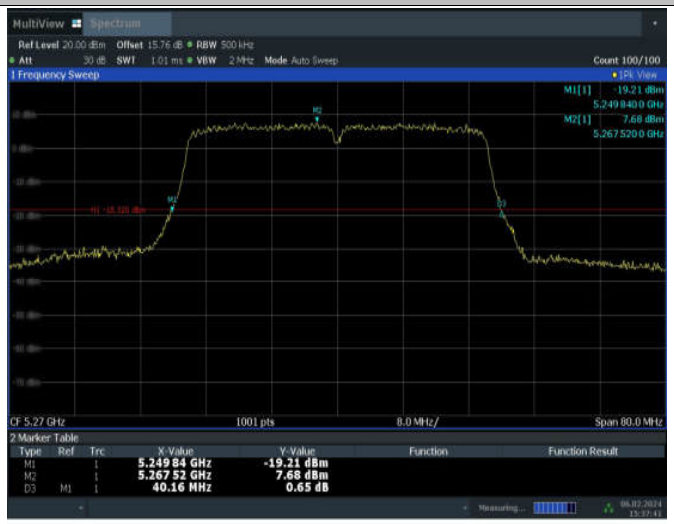

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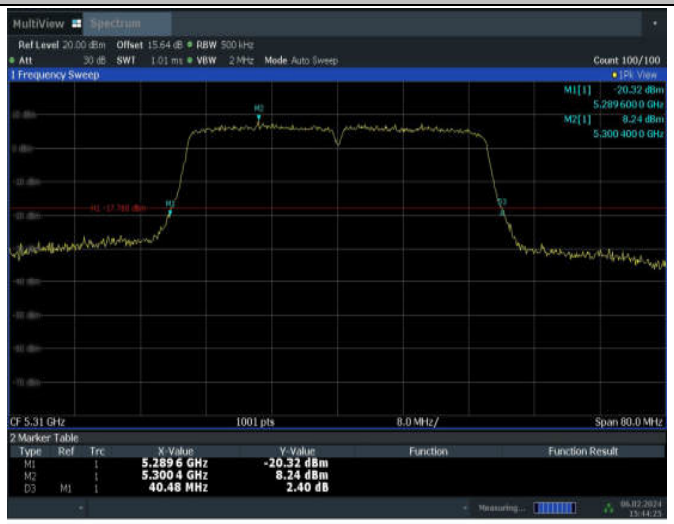

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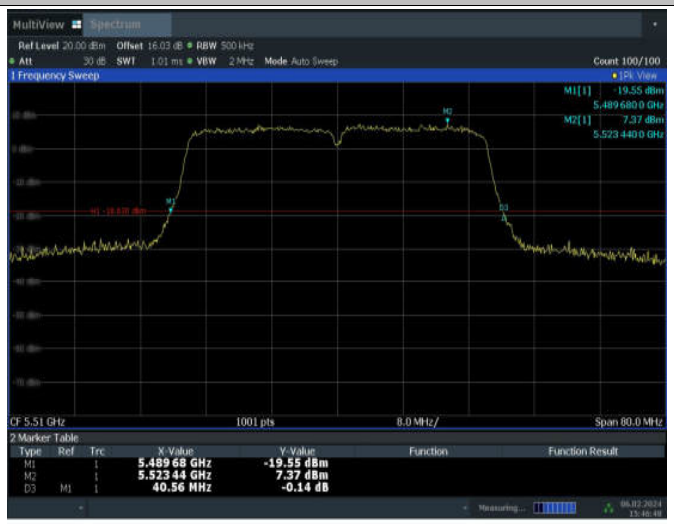
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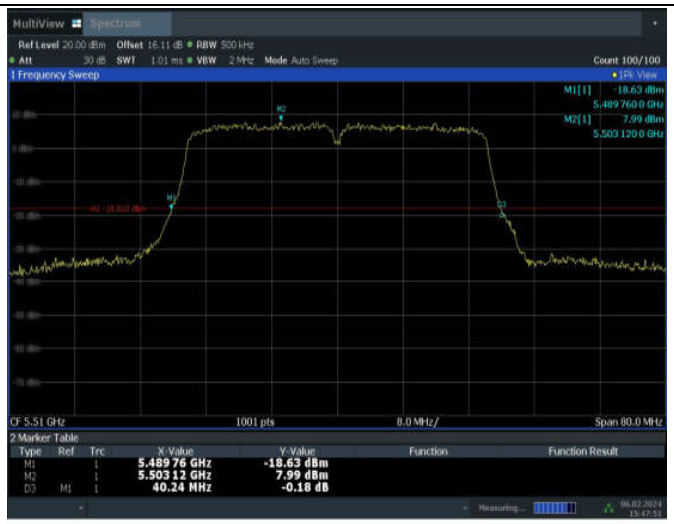

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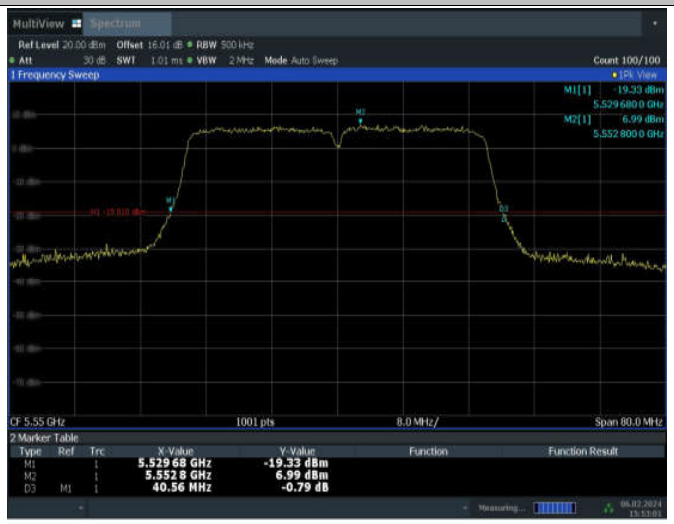

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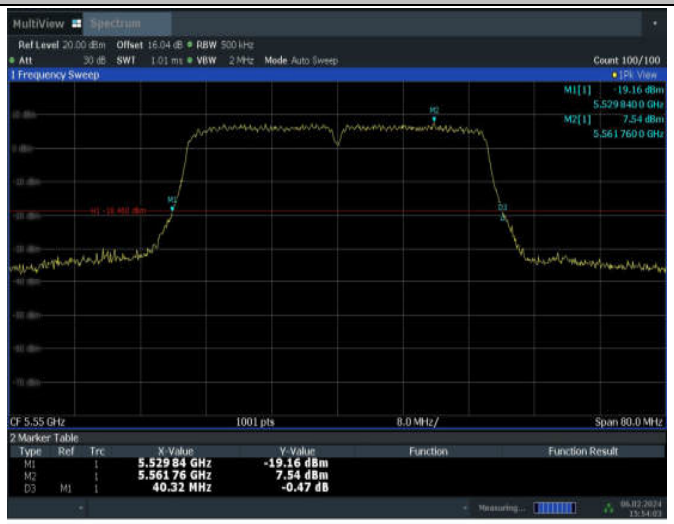

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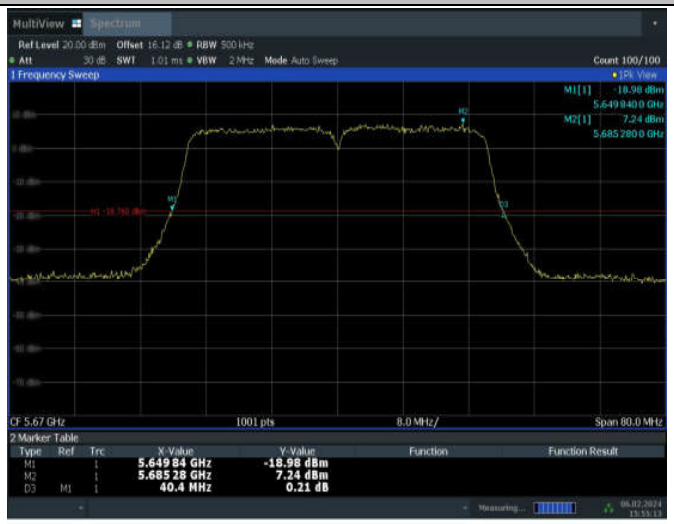
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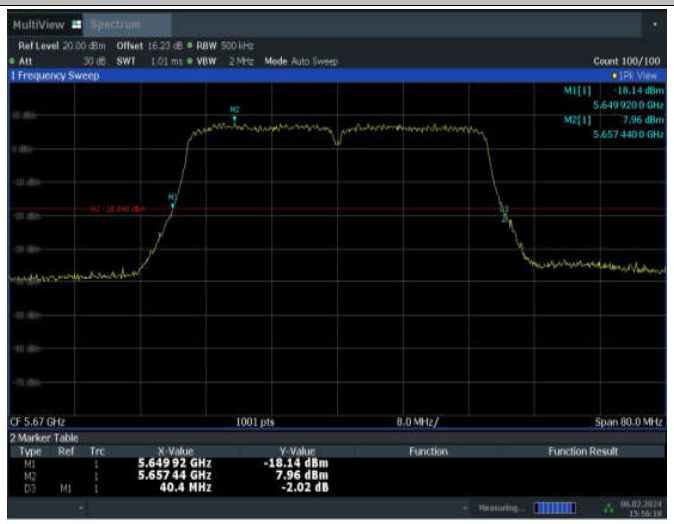
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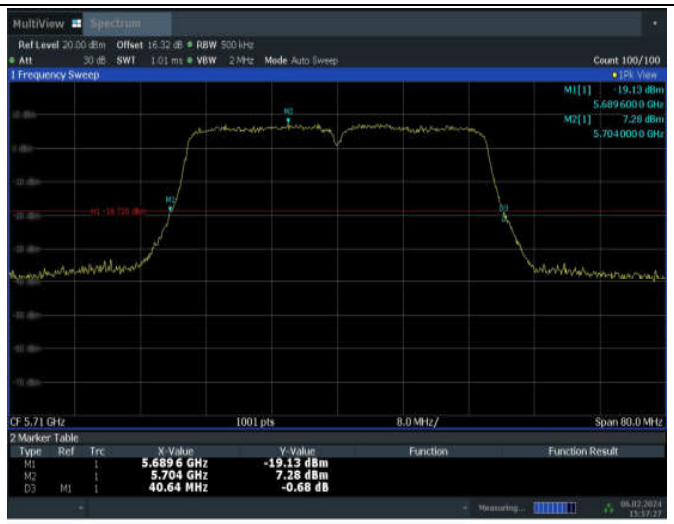

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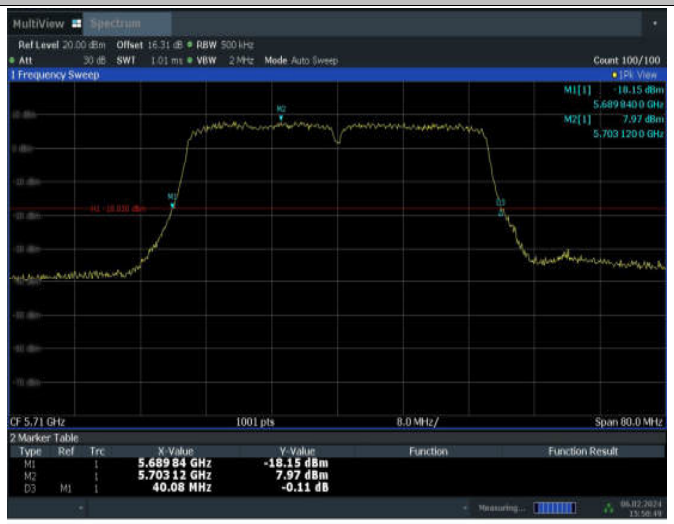

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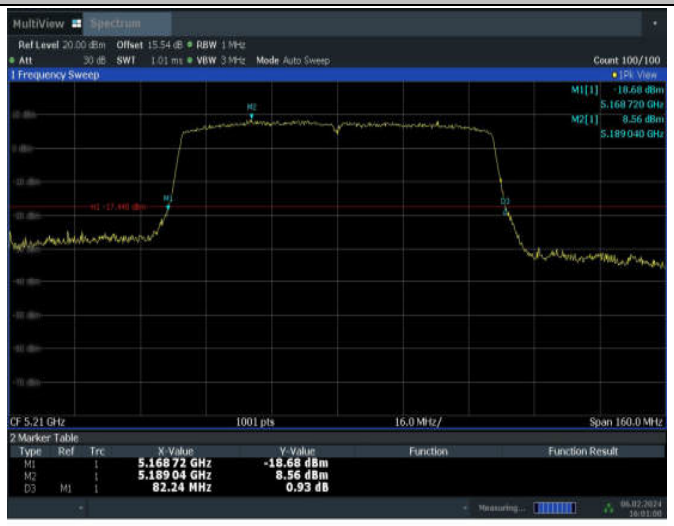

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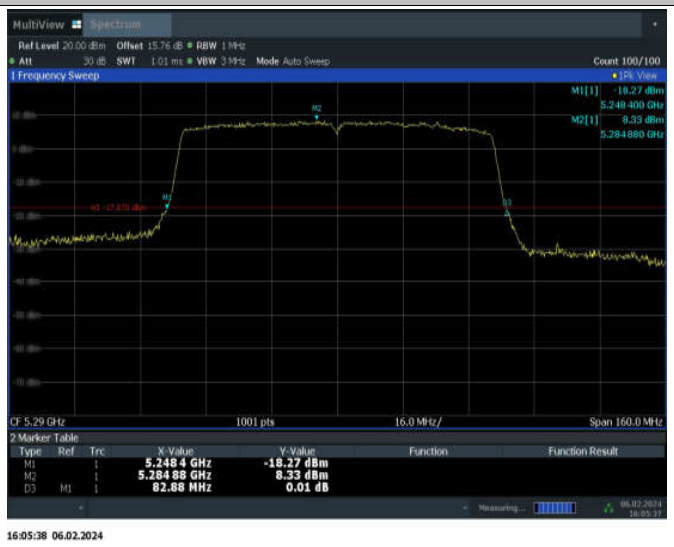
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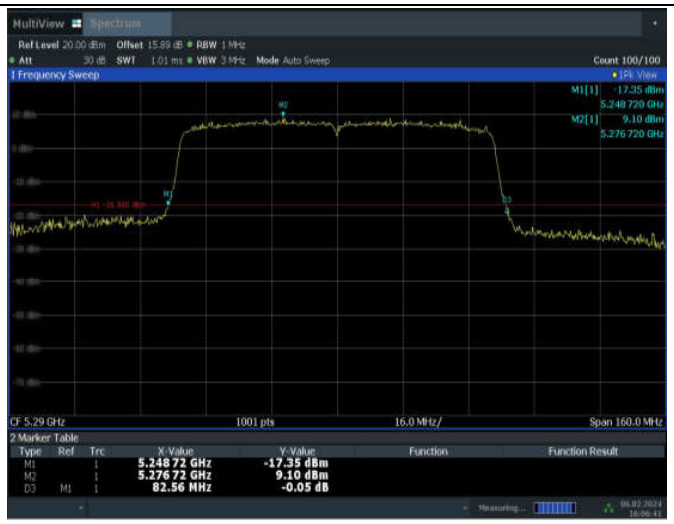

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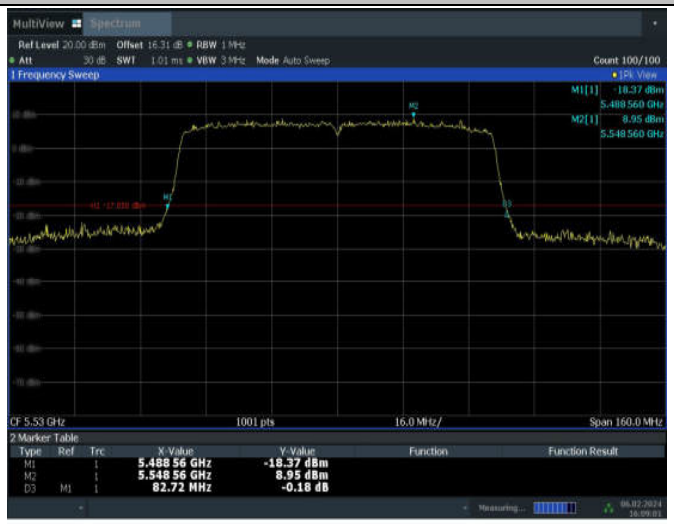

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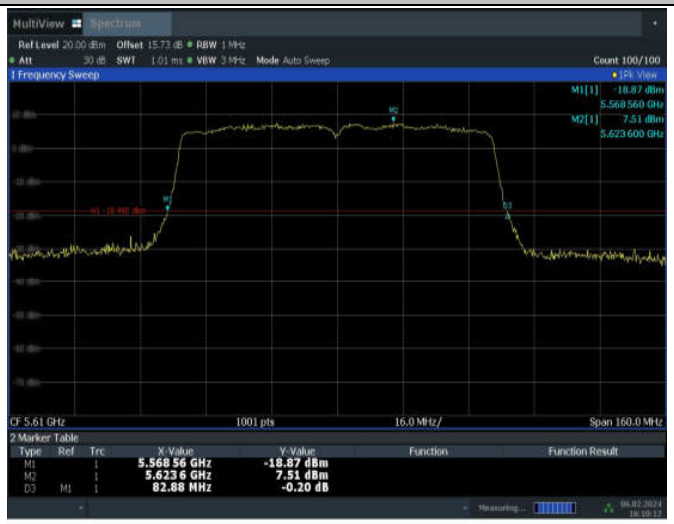

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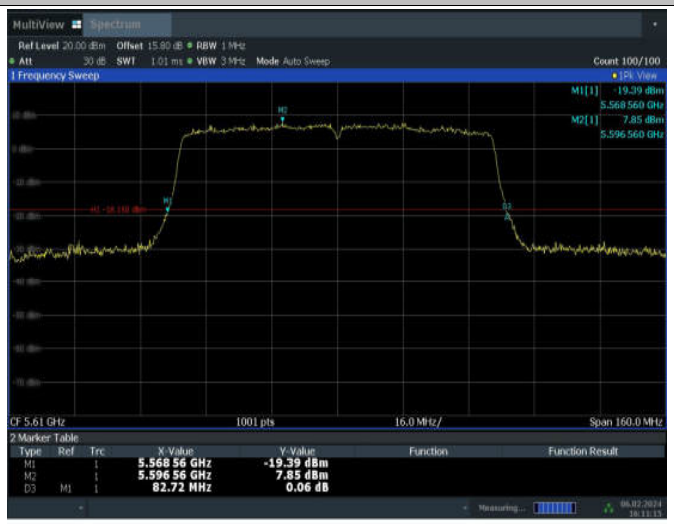

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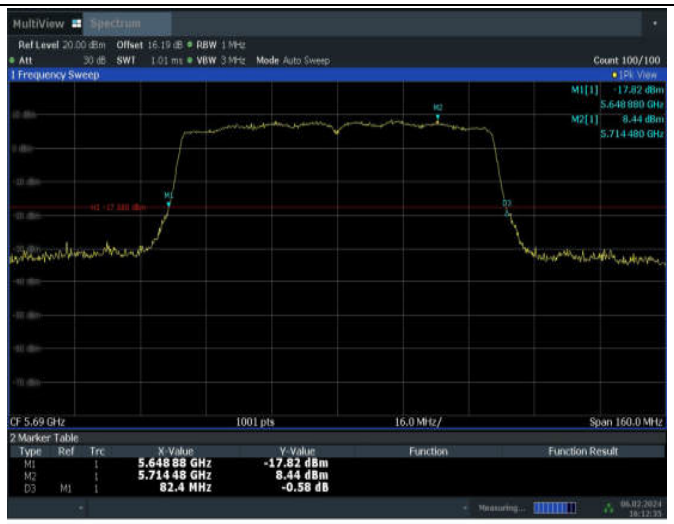

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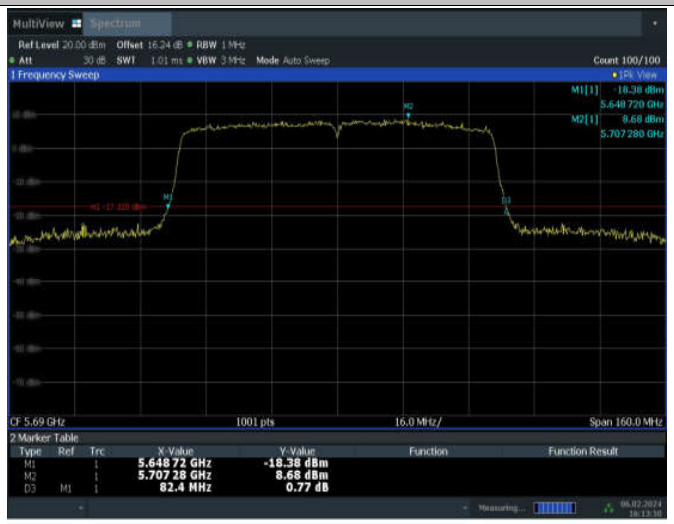

11AX20MIMO_ANT10_5180

11AX20MIMO_ANT7_5180

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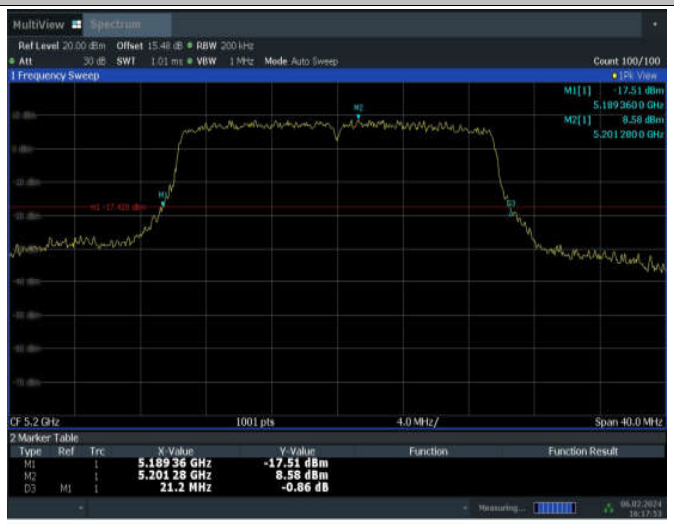
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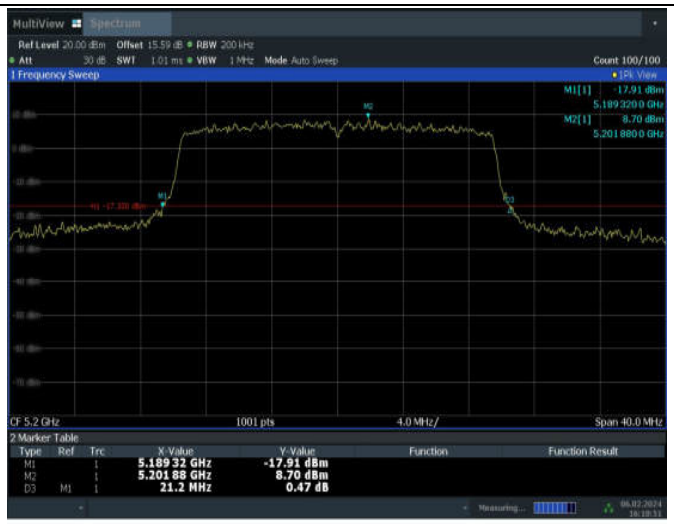

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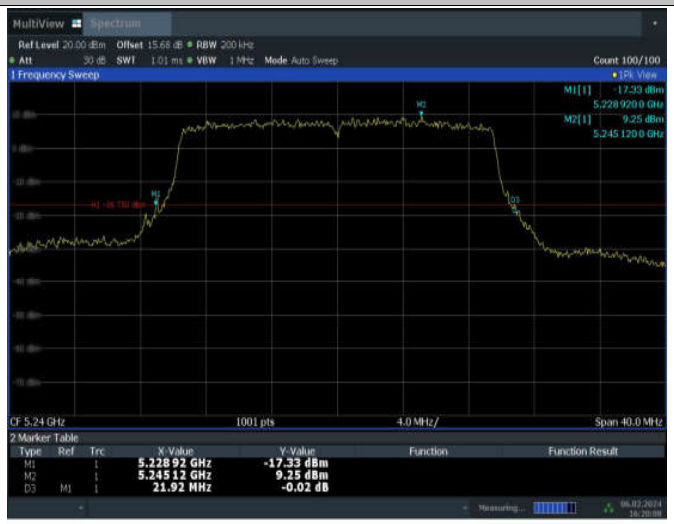

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11AX20MIMO_ANT10_5260

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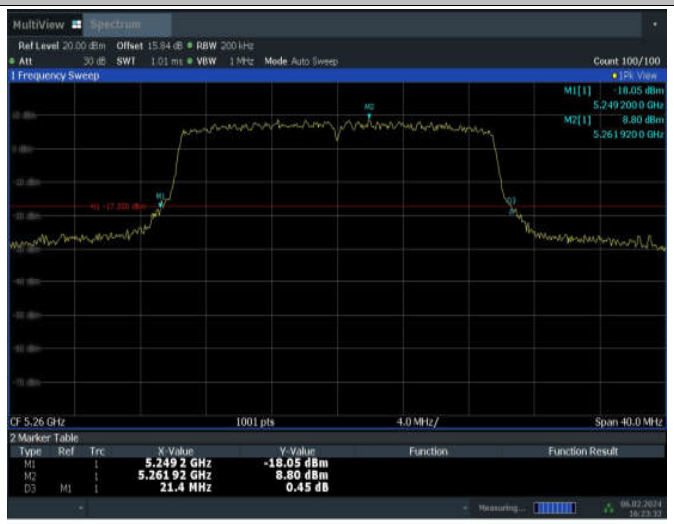
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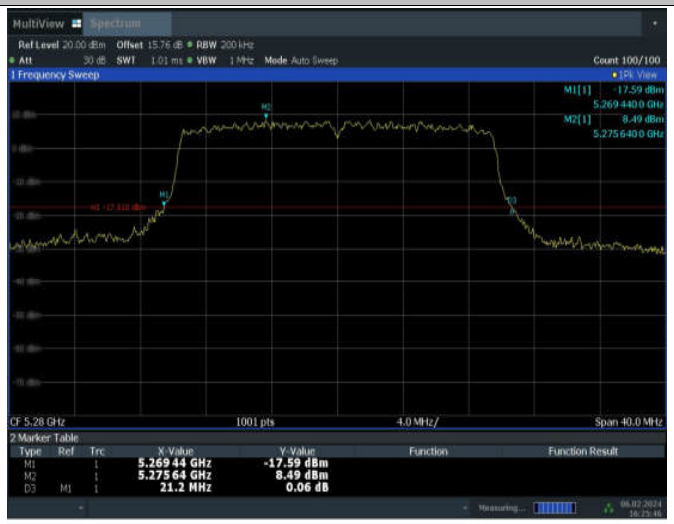

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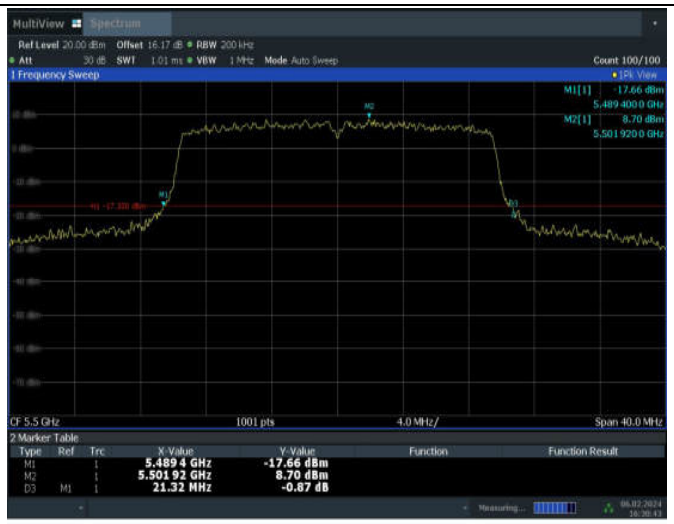
11AX20MIMO_ANT7_5320

11AX20MIMO_ANT10_5500

11AX20MIMO_ANT7_5500



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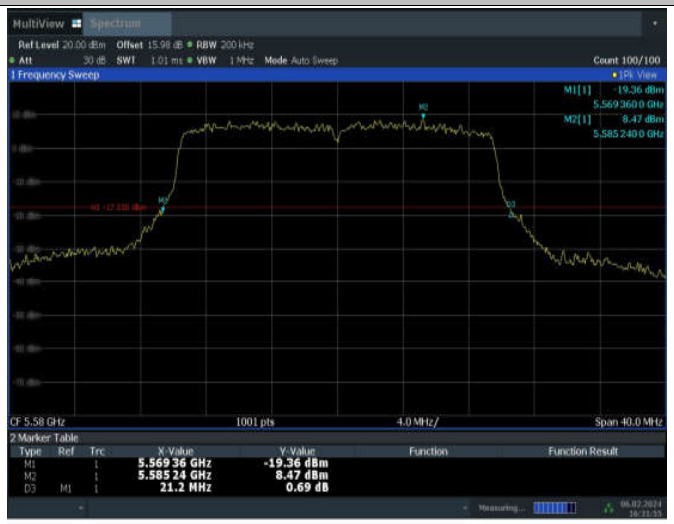

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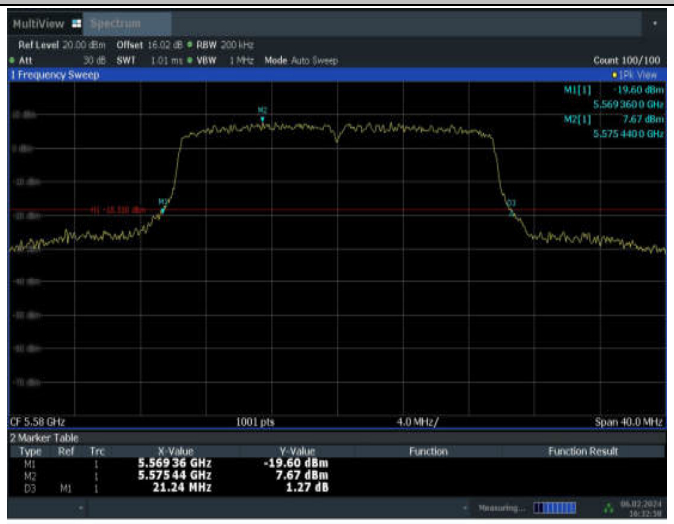

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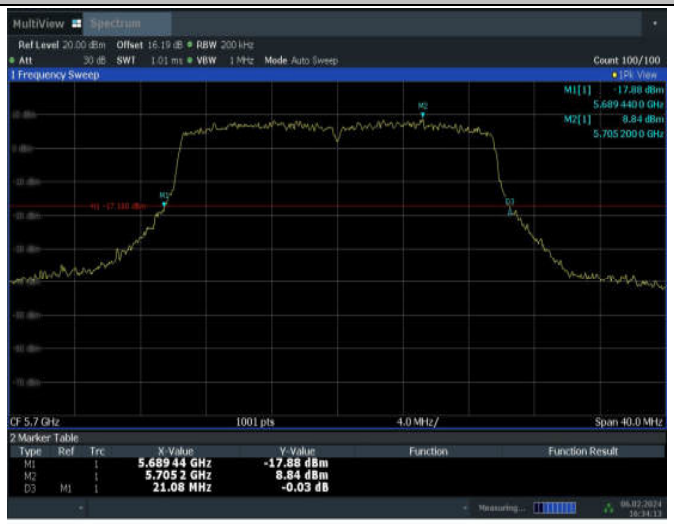
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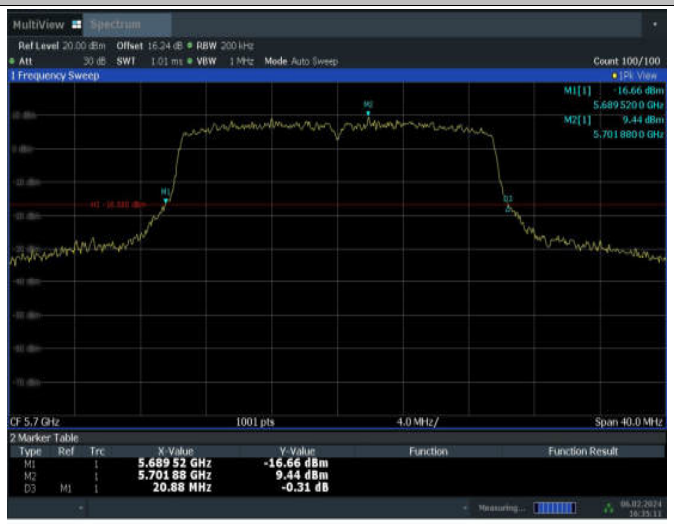
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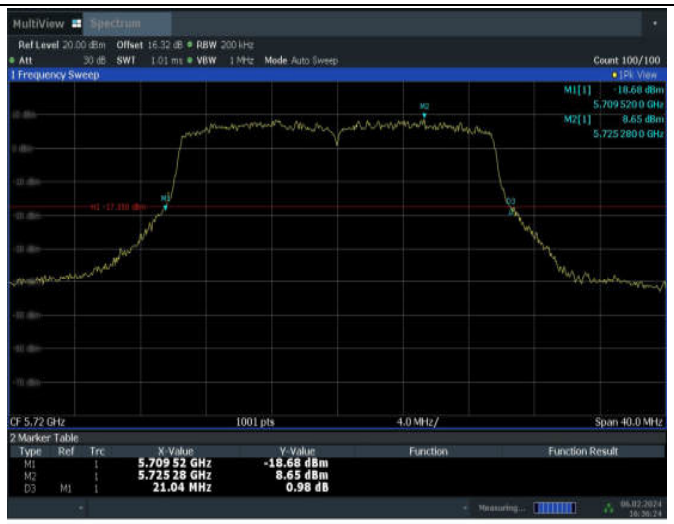

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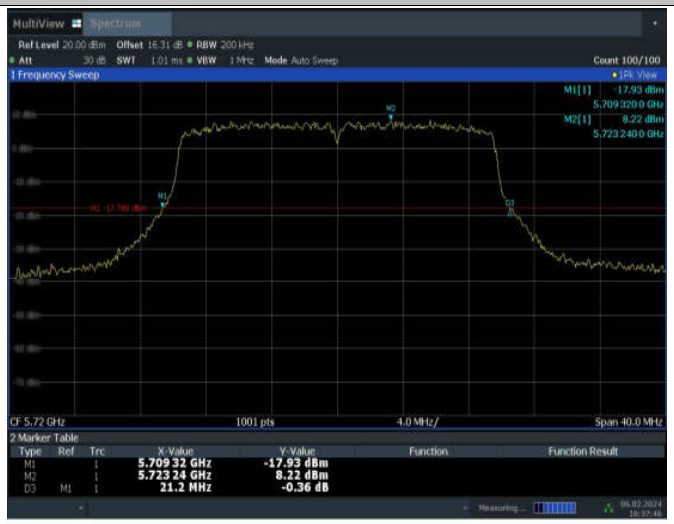

11AX160MIMO_ANT10_5250

11AX160MIMO_ANT7_5250

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16:42:53 06.02.2024
11AX160MIMO_ANT7_5570

11ax20-RU

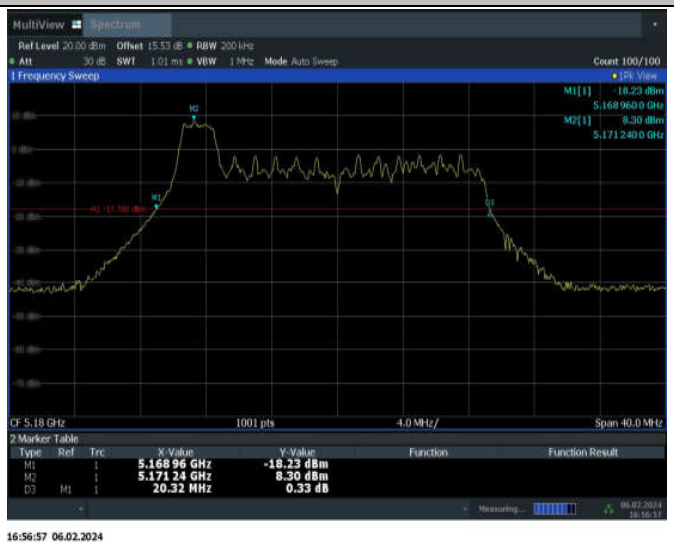
Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	26db BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20MIMO	ANT10	5180	26Tone	RU0	20.32	5168.96	5189.28	---	---
			52Tone	RU37	20.84	5168.80	5189.64	---	---
			106Tone	RU53	20.88	5169.00	5189.88	---	---
	ANT7	5180	26Tone	RU0	20.16	5169.00	5189.16	---	---
			52Tone	RU37	20.40	5169.04	5189.44	---	---
			106Tone	RU53	20.48	5168.96	5189.44	---	---
	ANT10	5200	26Tone	RU0	20.36	5188.92	5209.28	---	---
			52Tone	RU37	20.44	5188.96	5209.40	---	---
			106Tone	RU53	20.76	5189.00	5209.76	---	---
	ANT7	5200	26Tone	RU0	20.24	5188.96	5209.20	---	---
			52Tone	RU37	20.24	5189.08	5209.32	---	---
			106Tone	RU53	20.64	5188.76	5209.40	---	---
	ANT10	5240	26Tone	RU0	20.36	5228.88	5249.24	---	---
			52Tone	RU37	20.84	5228.80	5249.64	---	---
			106Tone	RU53	20.88	5229.04	5249.92	---	---
	ANT7	5240	26Tone	RU0	20.20	5229.00	5249.20	---	---
			52Tone	RU37	20.44	5229.08	5249.52	---	---
			106Tone	RU53	20.52	5228.88	5249.40	---	---
	ANT10	5260	26Tone	RU0	20.24	5248.96	5269.20	---	---
			52Tone	RU37	20.64	5248.84	5269.48	---	---

			106Tone	RU53	20.80	5248.92	5269.72	---	---
	ANT7	5260	26Tone	RU0	20.12	5249.04	5269.16	---	---
			52Tone	RU37	20.20	5249.16	5269.36	---	---
			106Tone	RU53	20.32	5249.04	5269.36	---	---
	ANT10	5280	26Tone	RU0	20.48	5268.88	5289.36	---	---
			52Tone	RU37	20.76	5268.84	5289.60	---	---
			106Tone	RU53	20.84	5269.00	5289.84	---	---
	ANT7	5280	26Tone	RU0	20.24	5268.96	5289.20	---	---
			52Tone	RU37	20.36	5269.04	5289.40	---	---
			106Tone	RU53	20.32	5269.08	5289.40	---	---
	ANT10	5320	26Tone	RU0	20.44	5308.88	5329.32	---	---
			52Tone	RU37	20.72	5308.80	5329.52	---	---
			106Tone	RU53	21.00	5308.88	5329.88	---	---
	ANT7	5320	26Tone	RU0	20.20	5309.00	5329.20	---	---
			52Tone	RU37	20.28	5309.08	5329.36	---	---
			106Tone	RU53	20.28	5309.12	5329.40	---	---
	ANT10	5500	26Tone	RU8	20.28	5490.76	5511.04	---	---
			52Tone	RU40	20.32	5490.52	5510.84	---	---
			106Tone	RU54	20.44	5490.32	5510.76	---	---
	ANT7	5500	26Tone	RU8	20.08	5490.88	5510.96	---	---
			52Tone	RU40	20.00	5490.76	5510.76	---	---
			106Ton	RU54	20.52	5490.6	5511.12	---	---

			e			0			
	ANT10	5580	26Tone	RU8	20.28	5570.68	5590.96	---	---
			52Tone	RU40	20.44	5570.52	5590.96	---	---
			106Tone	RU54	20.32	5570.36	5590.68	---	---
	ANT7	5580	26Tone	RU8	20.08	5570.84	5590.92	---	---
			52Tone	RU40	20.56	5570.72	5591.28	---	---
			106Tone	RU54	20.40	5570.68	5591.08	---	---
	ANT10	5700	26Tone	RU8	20.36	5690.72	5711.08	---	---
			52Tone	RU40	20.20	5690.56	5710.76	---	---
			106Tone	RU54	20.44	5690.32	5710.76	---	---
	ANT7	5700	26Tone	RU8	20.24	5690.88	5711.12	---	---
			52Tone	RU40	20.12	5690.80	5710.92	---	---
			106Tone	RU54	20.28	5690.72	5711.00	---	---
	ANT10	5720	26Tone	RU8	20.20	5710.72	5730.92	---	---
			52Tone	RU40	20.40	5710.56	5730.96	---	---
			106Tone	RU54	20.32	5710.40	5730.72	---	---
	ANT7	5720	26Tone	RU8	20.00	5710.84	5730.84	---	---
			52Tone	RU40	20.24	5710.72	5730.96	---	---
			106Tone	RU54	20.52	5710.64	5731.16	---	---

Conclusion: PASS

Test Graphs

11AX20MIMO_ANT10_5180_26Tone_RU0

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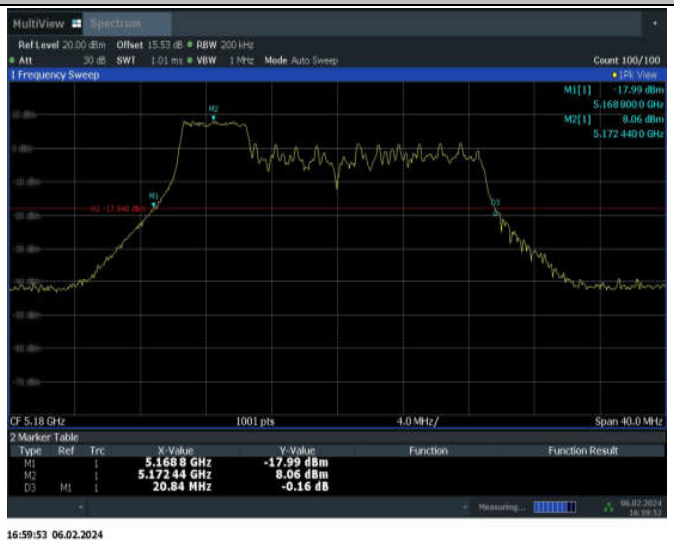
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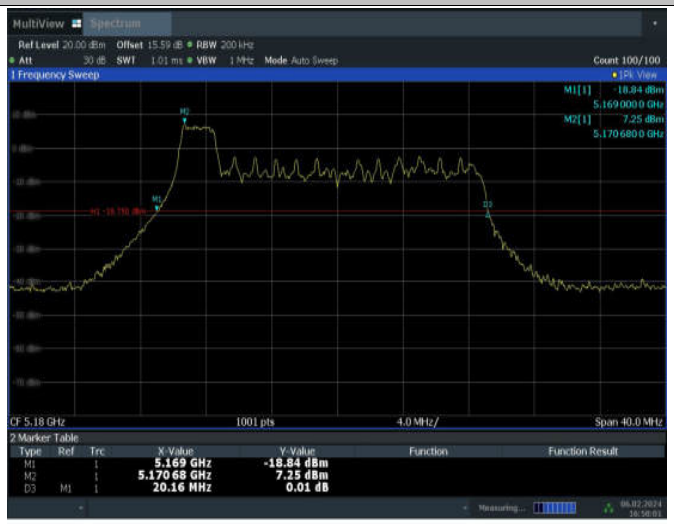

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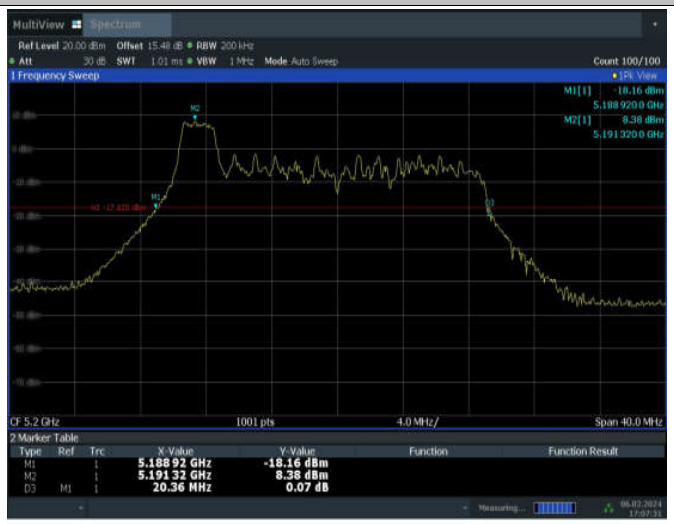

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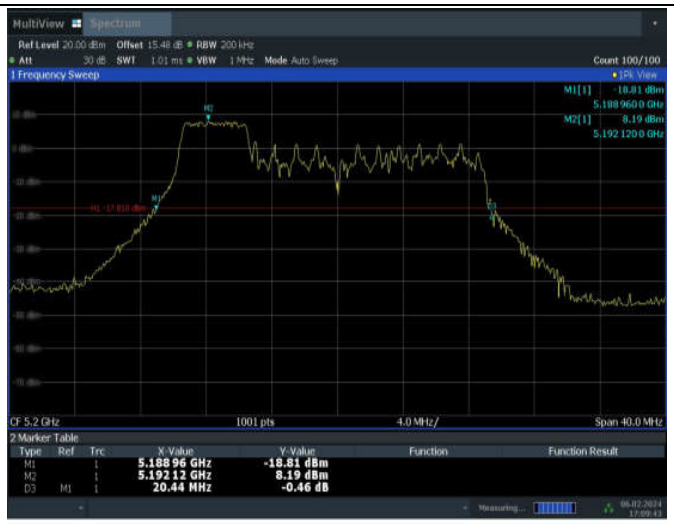

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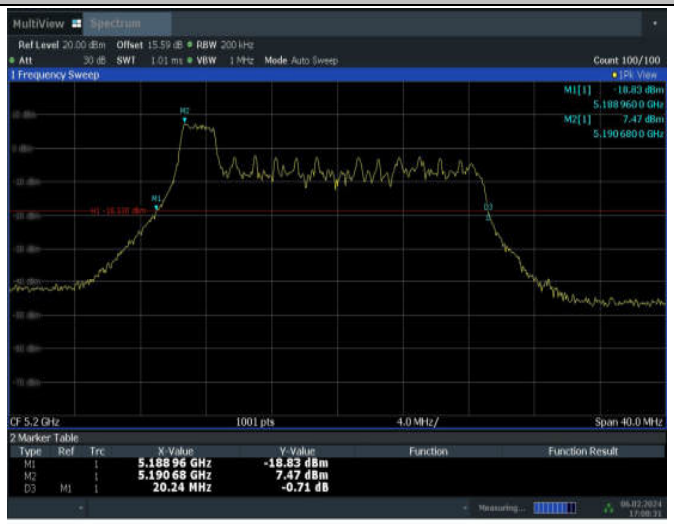

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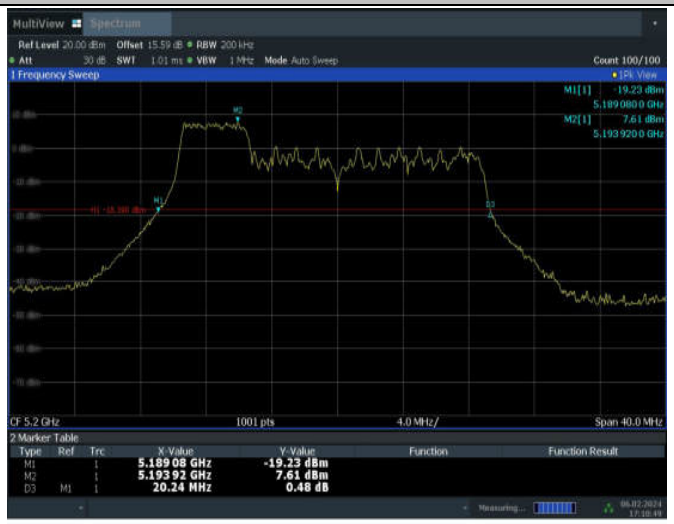
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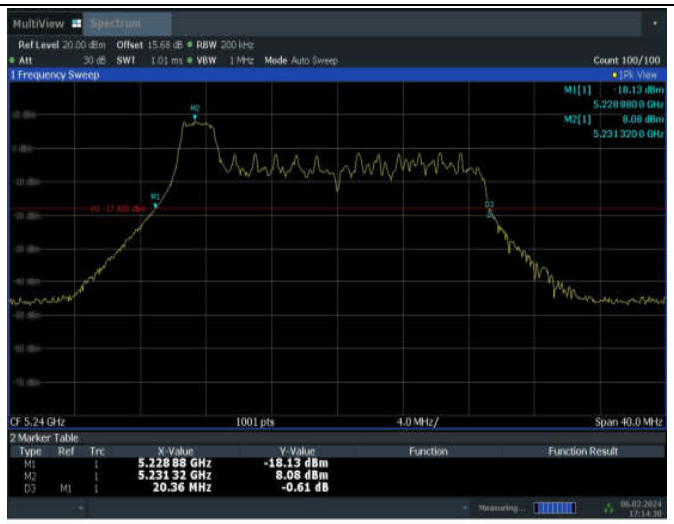

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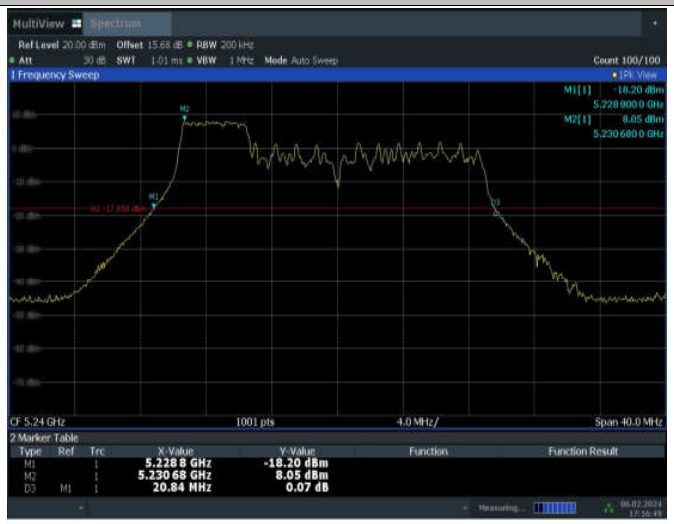

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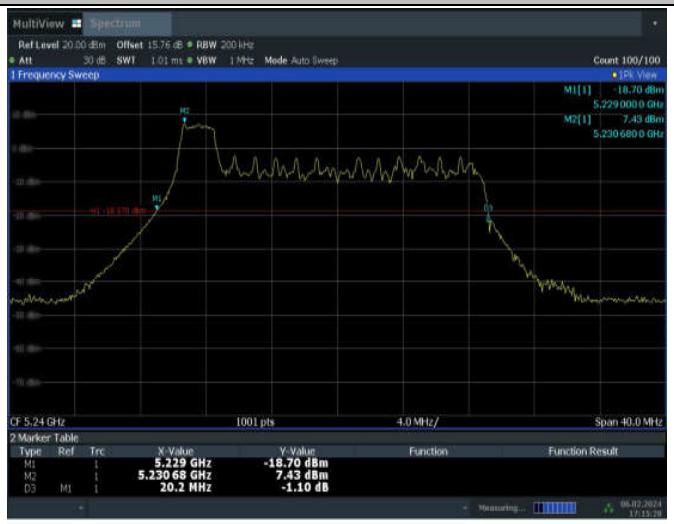
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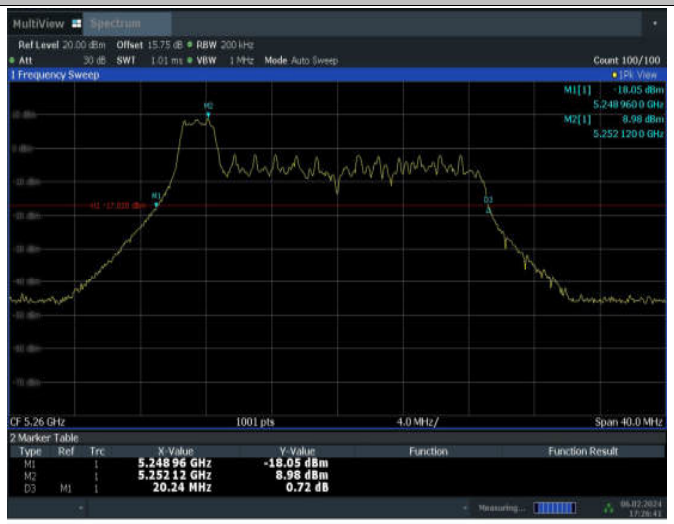

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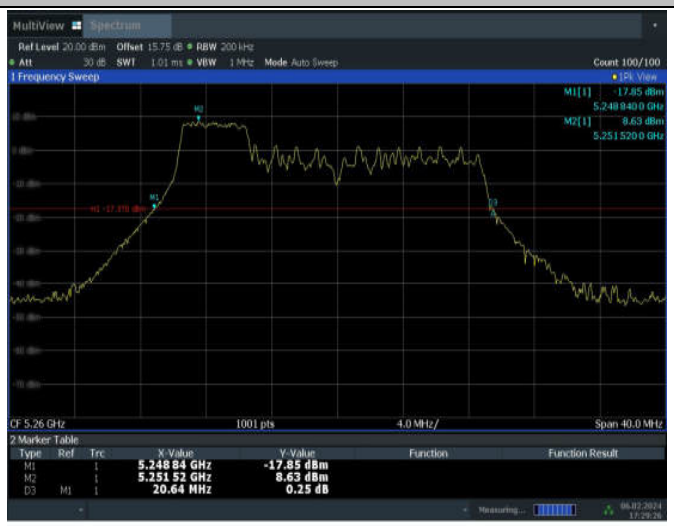

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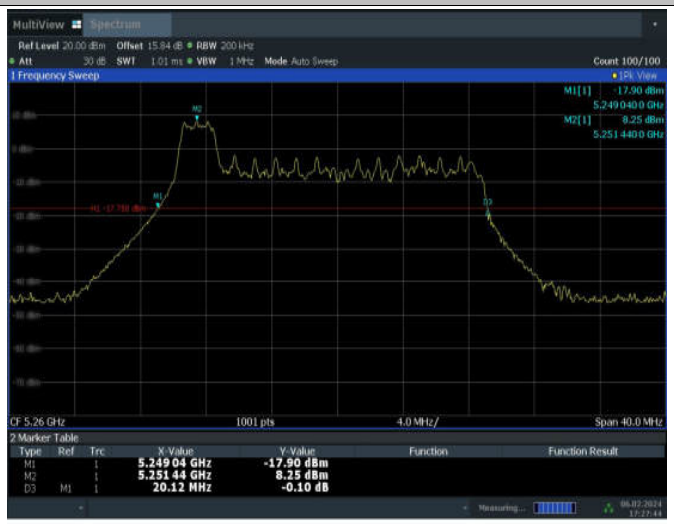
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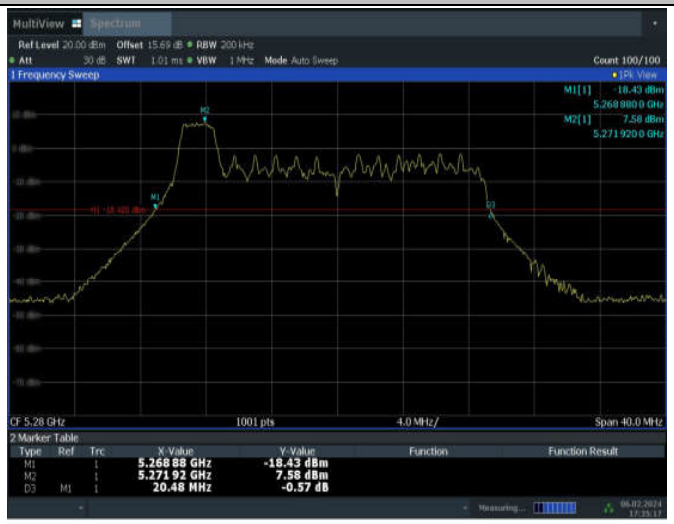

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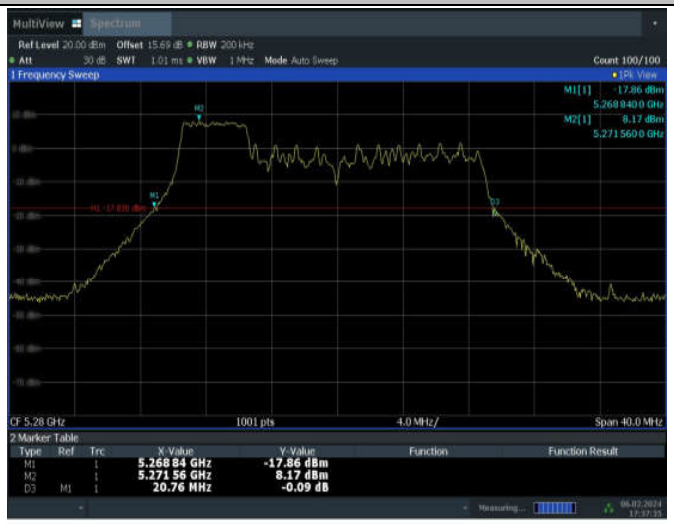
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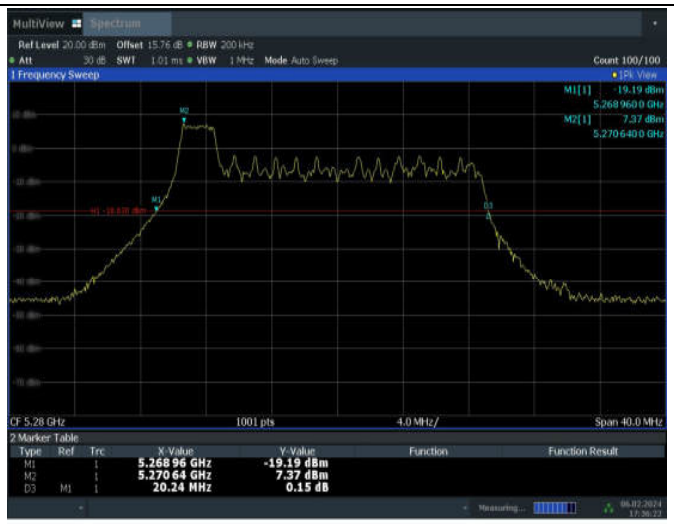

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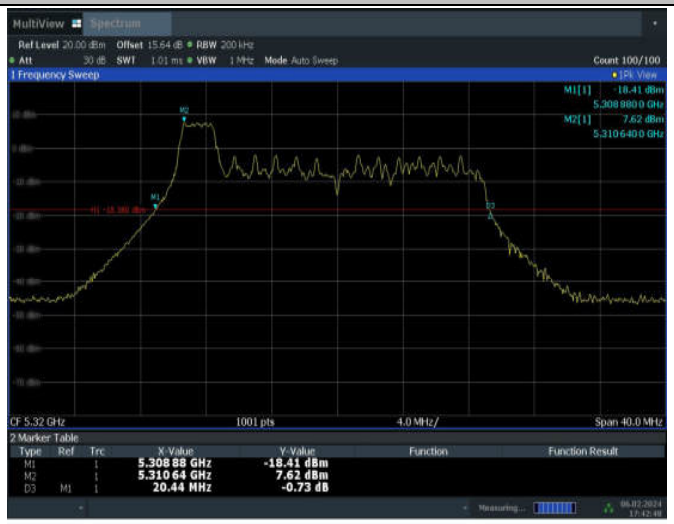

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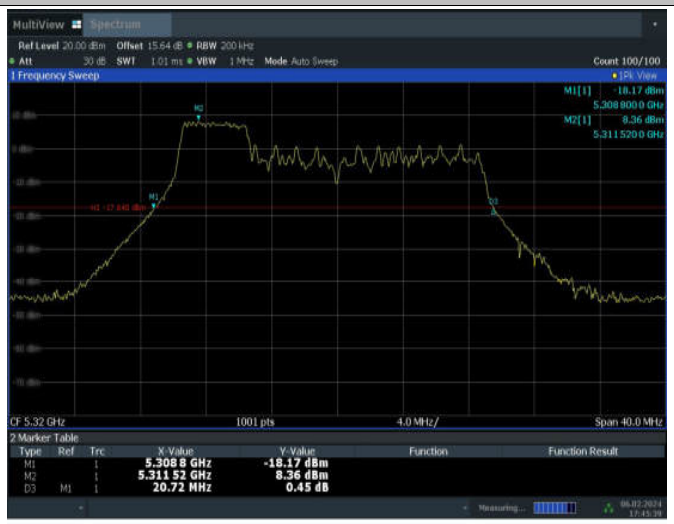

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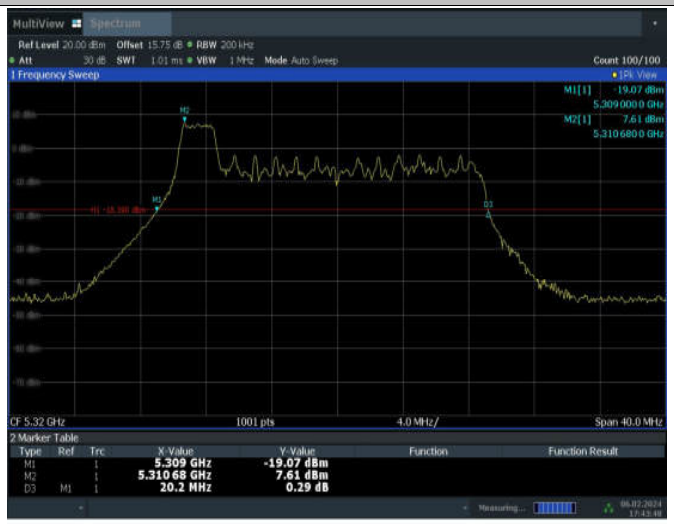

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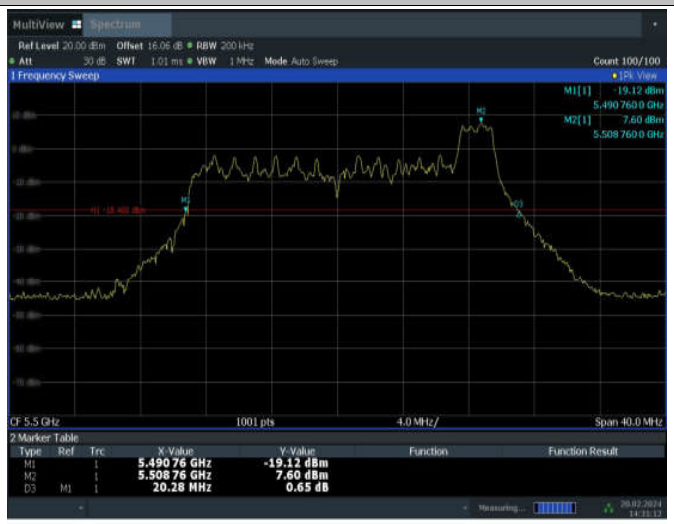

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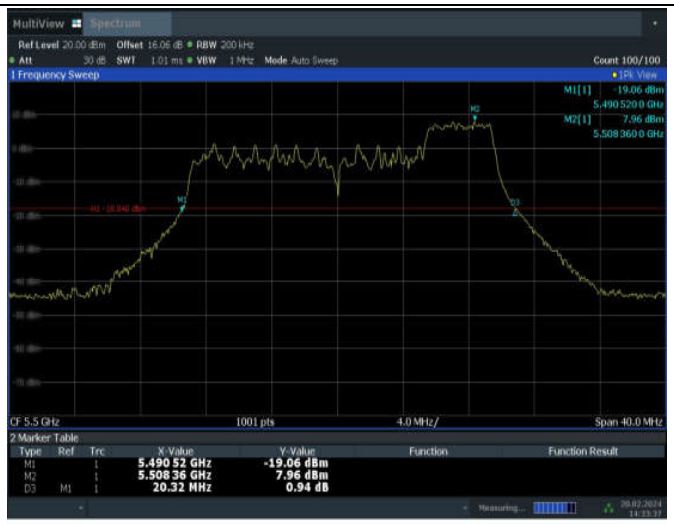

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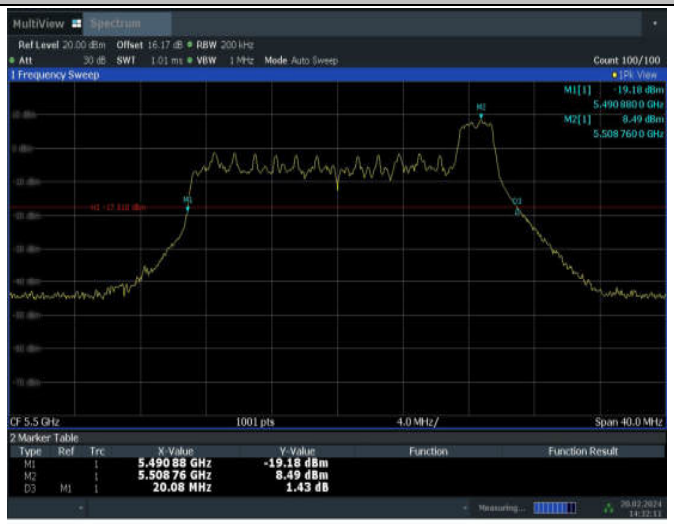

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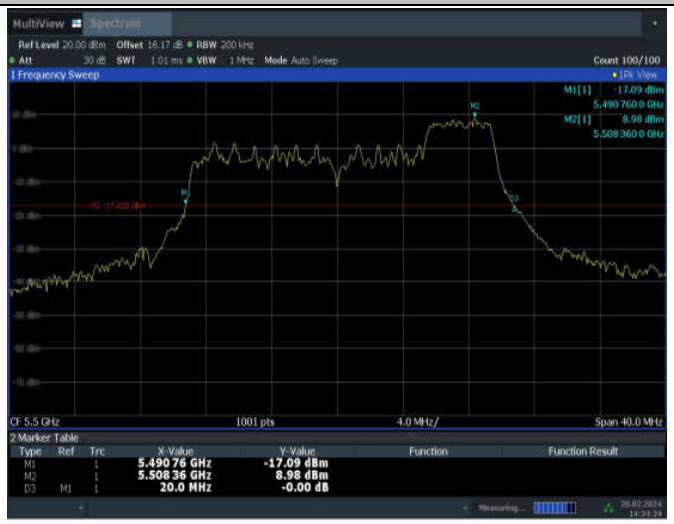

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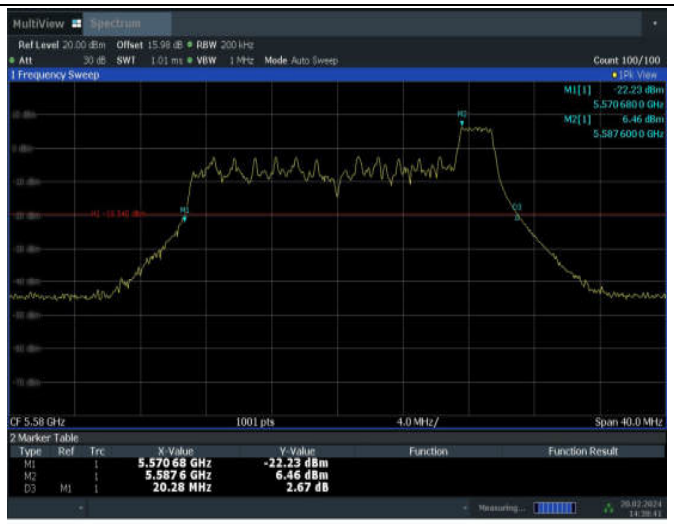

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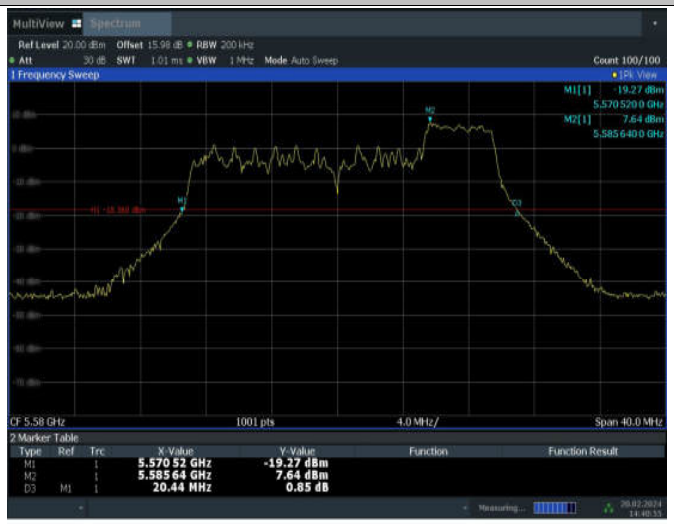

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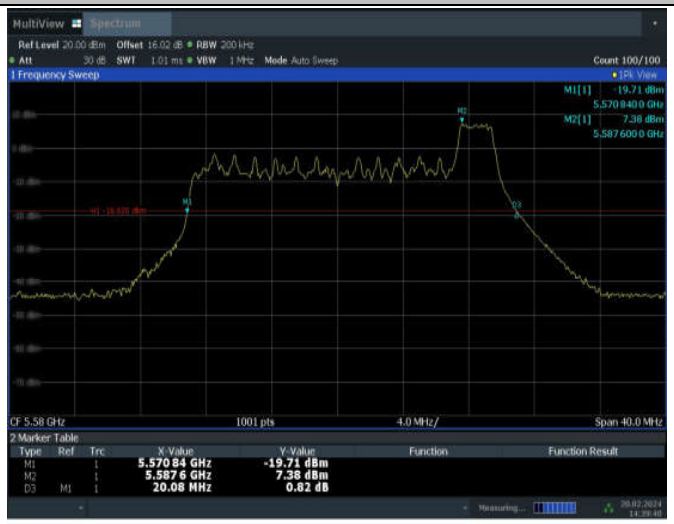
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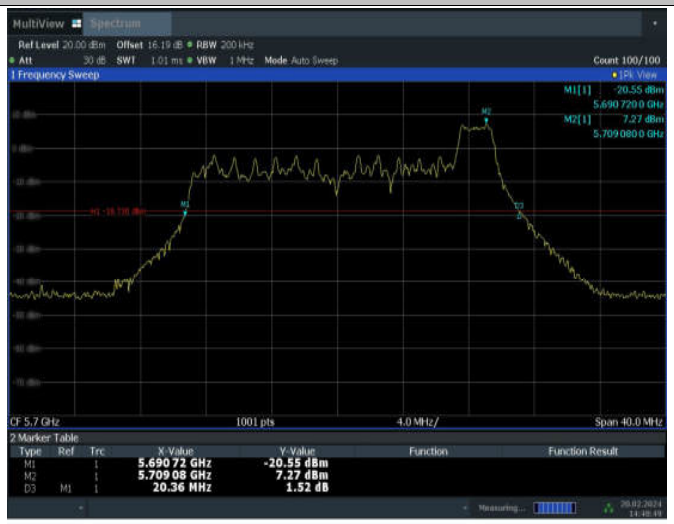

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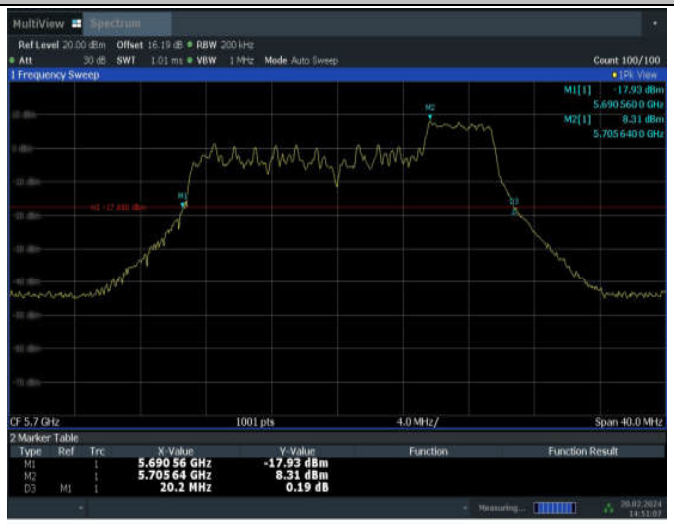

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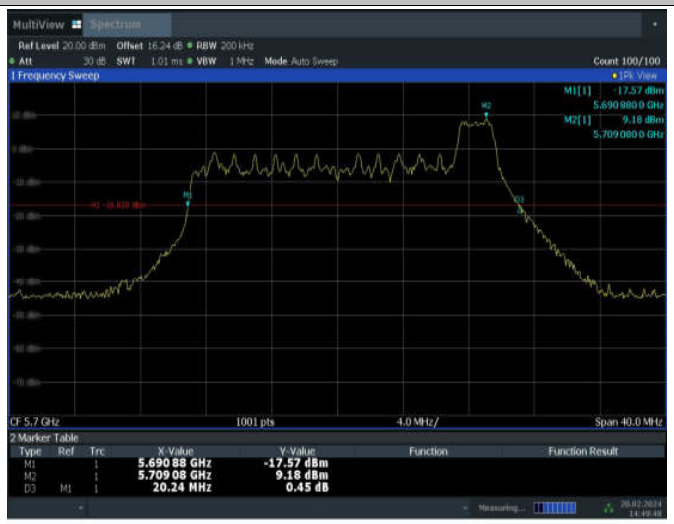

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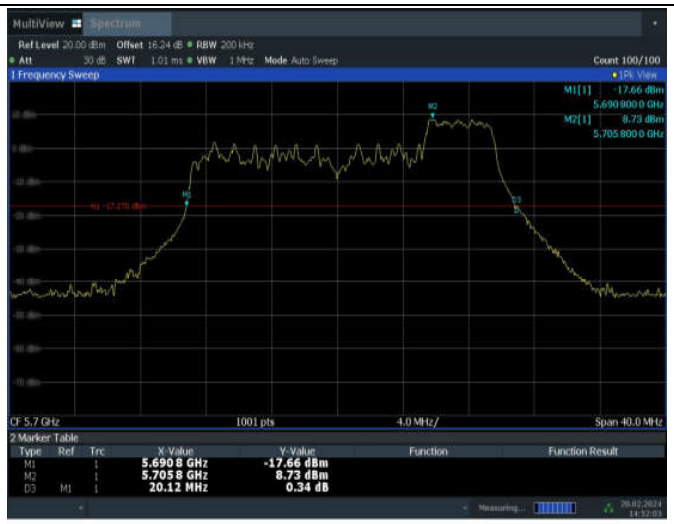

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14:54:42 20.02.2024

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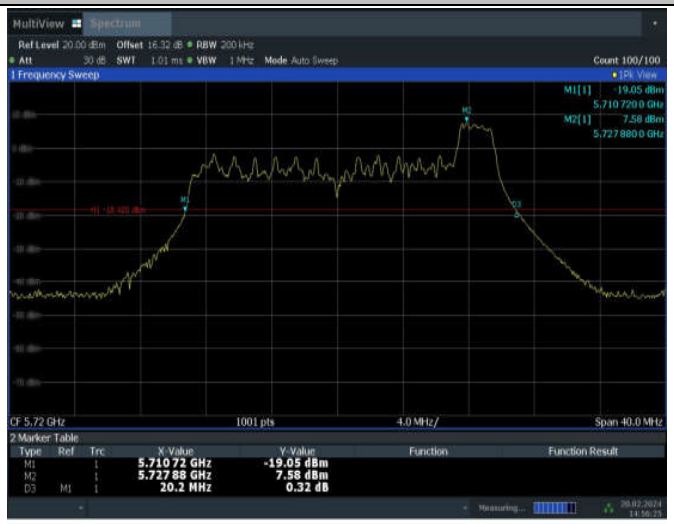

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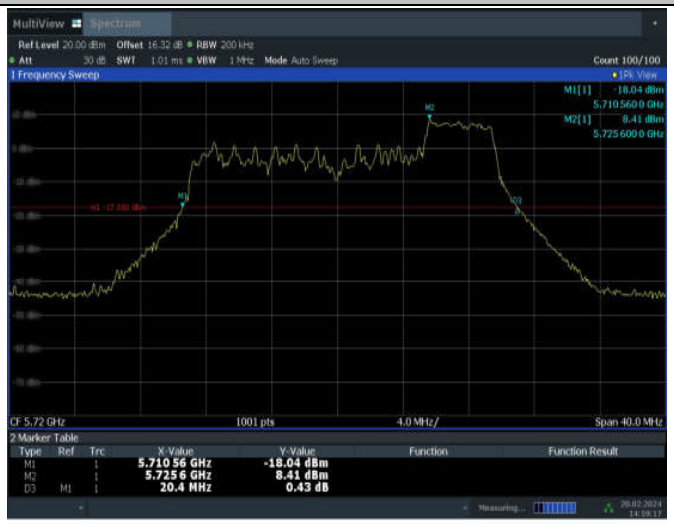
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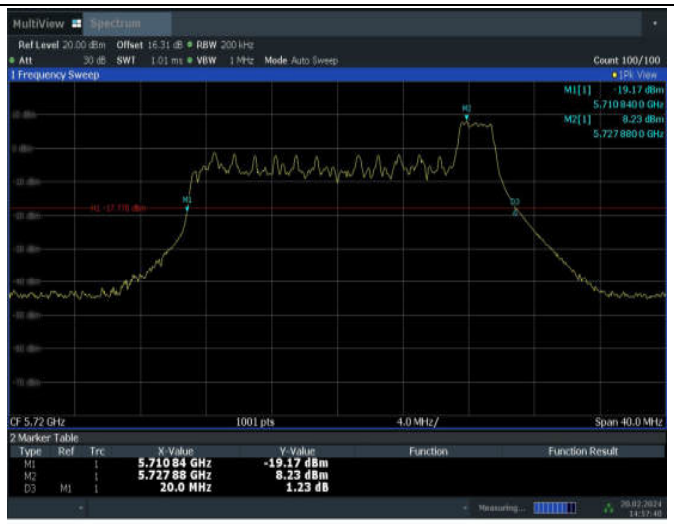

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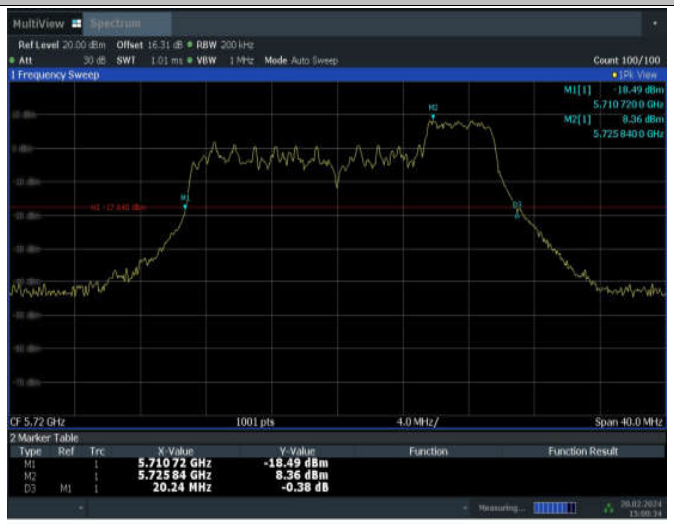


15:00:35 20.02.2024

11AX20MIMO_ANT7_5720_106Tone_RU54

15:03:44 20.02.2024

A.5. Radiated Unwanted Emission

A.5.1 Limits

Unwanted Emissions in the unrestricted bands shall not exceed the limits that shown in 15.407:

Standard	Limit
FCC 47 CFR Part 15.407	(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

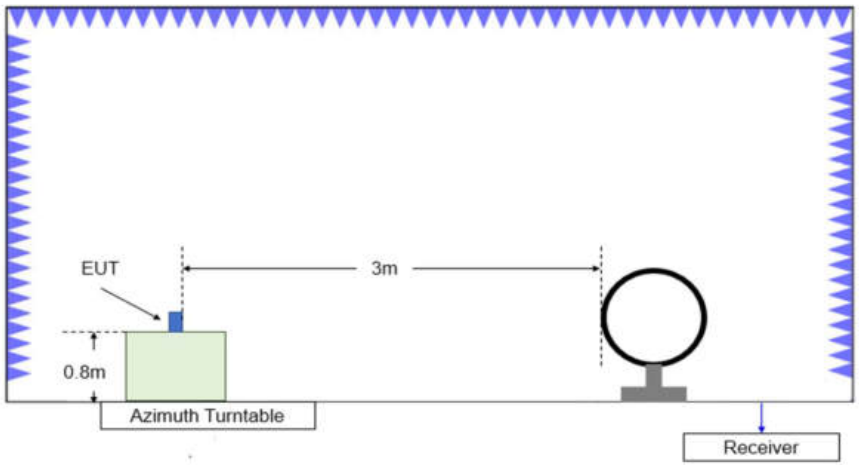
In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

Frequency (MHz)	Field strength(μV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

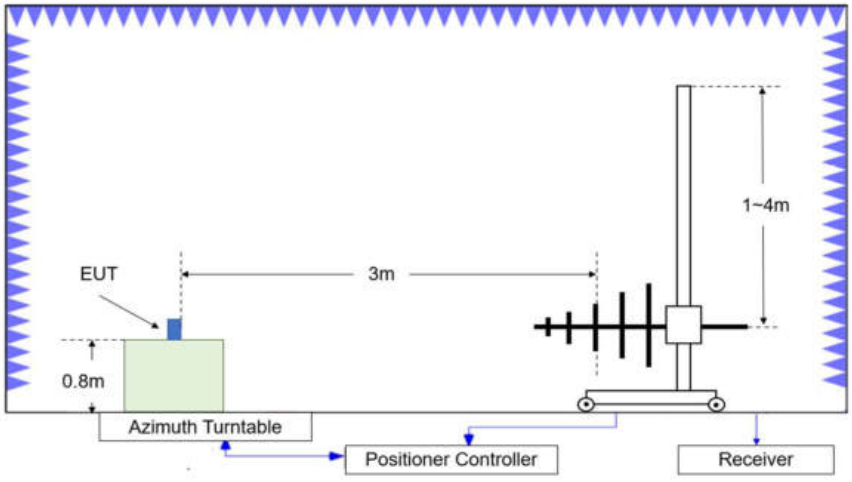
Frequency of emission (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Note: When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor (as defined in KDB 789033 II.G.2.d).

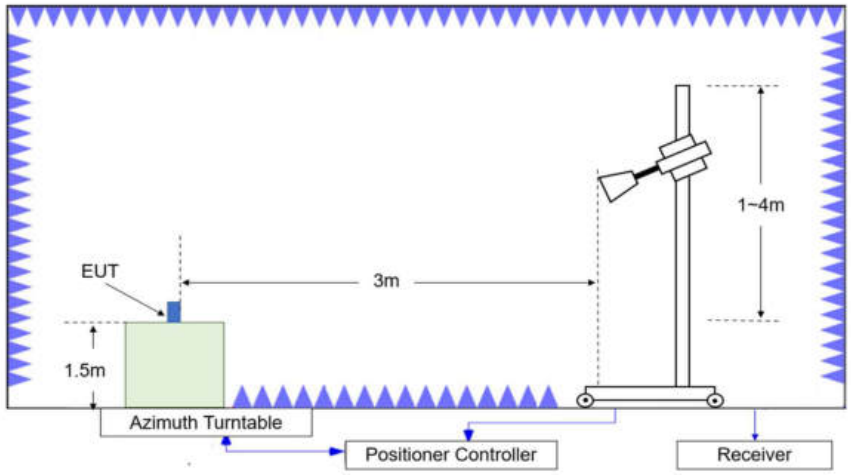
A.5.2 Test setup



Test Site Diagram (9kHz-30MHz)



Test Site Diagram (30MHz-1GHz)



Test Site Diagram (1GHz-40GHz)

A.5.3 Test Procedures

Radiated unwanted emissions from the EUT were measured according to ANSI C63.10and KDB 789033 D02 v02r01.

Test setting

Frequency of emission (MHz)	RBW/VBW
30-1000	100kHz/300kHz
1000-4000	1MHz/3MHz
4000-18000	1MHz/3MHz
18000-26500	1MHz/3MHz
26500-40000	1MHz/3MHz

A.5.4 Calculation

1. The measurement results reported below is calculated by:

Measurement Results (dBμV/m) = $P_{measurement}$ (dBμV) + Cable Loss(dB) + Antenna Factor (dB/m)

Where: $P_{measurement}$ is the field strength recorded from the instrument

2. Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

E=EIRP- 20log (*D)* +104.77

Where:

E is the field strength in dBμV/m

D is the measurement distance in meters

EIRP is the equivalent isotropically radiated power in dBm

Test note

1. The EUT is operating at its maximum duty cycle and its maximum power control level.
2. Investigation has been done on all modes and modulations/data rates. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.
3. Spurious emissions for all channels were investigated and almost the same below 1GHz. According to FCC 47 CFR §15.31, emission levels are not report much lower than the limit by over 20dB
4. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept.
5. EUT in each of three orthogonal axis emissions had been tested out only the worst case (axis data) recorded in the report.
6. Measurement frequencies were performed from 9 kHz to the 10^{th} harmonic of highest fundamental frequency or 40GHz, whichever is lower.
7. No spurious emissions were detected within 20dBof the limit below 30MHz. OFS and semi-chamber comparison testing had been performed and the result came out very similar.(KDB 414788)
8. Both full RU and partial RU modes were tested, and the test results in spurious domain were basically noises with no suspicious emission. In this case, full RU results were reported and

represents the worst cases. The bandedge emission results for both full RU and small RU were all reported.

Measurement Results:

Average Results:

802.11a

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17957.650	34.51	-29.59	45.95	18.15	54.00	19.49	V
17953.800	34.49	-29.59	45.95	18.13	54.00	19.51	V
13317.850	31.31	-31.19	40.65	21.85	54.00	22.69	V
13276.050	31.28	-31.40	40.60	22.08	54.00	22.72	V
5149.180	47.03	-28.00	34.00	41.03	54.00	6.97	V
5149.620	46.76	-28.00	34.00	40.76	54.00	7.24	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17967.000	34.32	-29.59	45.95	17.96	54.00	19.68	H
17960.950	34.24	-29.59	45.95	17.88	54.00	19.76	V
13294.750	31.66	-31.40	40.60	22.46	54.00	22.34	V
13276.600	31.57	-31.40	40.60	22.37	54.00	22.43	V
11872.450	30.57	-32.73	39.15	24.15	54.00	23.43	V
10741.100	30.55	-33.62	38.40	25.77	54.00	23.45	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.550	34.61	-29.59	45.95	18.25	54.00	19.39	H
17957.100	34.58	-29.59	45.95	18.22	54.00	19.42	V
13305.200	31.68	-31.40	40.60	22.48	54.00	22.32	V
13306.300	31.58	-31.40	40.60	22.38	54.00	22.42	H
11860.900	30.92	-32.73	39.15	24.50	54.00	23.08	H
11879.050	30.78	-32.73	39.15	24.36	54.00	23.22	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7372.350	36.66	-35.06	36.60	35.12	54.00	17.34	H
7371.800	36.45	-35.06	36.60	34.91	54.00	17.55	H
17959.850	34.04	-29.59	45.95	17.68	54.00	19.96	H
17996.700	33.75	-29.59	45.95	17.39	54.00	20.25	H
13300.800	31.47	-31.40	40.60	22.27	54.00	22.53	H
13298.600	31.14	-31.40	40.60	21.94	54.00	22.86	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.800	34.06	-29.59	45.95	17.70	54.00	19.94	V
17969.750	33.90	-29.59	45.95	17.54	54.00	20.10	H
13278.800	31.29	-31.40	40.60	22.09	54.00	22.71	H
13317.300	31.27	-31.19	40.65	21.81	54.00	22.73	V
11903.250	30.53	-32.53	39.10	23.96	54.00	23.47	H
11904.350	30.53	-32.53	39.10	23.96	54.00	23.47	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10622.850	37.26	-33.58	38.30	32.54	54.00	16.74	V
10623.400	37.08	-33.58	38.30	32.36	54.00	16.92	V
7438.900	35.27	-35.20	36.50	33.97	54.00	18.73	H
7439.450	34.83	-35.20	36.50	33.53	54.00	19.17	H
5350.656	40.69	-27.82	34.20	34.31	54.00	13.31	V
5350.208	40.58	-27.82	34.20	34.20	54.00	13.42	V

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
11000.150	33.15	-33.10	38.60	27.65	54.00	20.85	V
17948.300	32.37	-29.59	45.95	16.01	54.00	21.63	V
17996.700	32.35	-29.59	45.95	15.99	54.00	21.65	H
11000.700	32.09	-33.10	38.60	26.59	54.00	21.91	V
5459.725	45.40	-27.49	34.20	38.69	54.00	8.60	H
5459.875	45.32	-27.49	34.20	38.61	54.00	8.68	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17976.350	32.55	-29.59	45.95	16.19	54.00	21.45	V
17932.350	32.54	-29.59	45.95	16.18	54.00	21.46	V
11203.100	29.62	-32.42	38.60	23.44	54.00	24.38	V
13298.600	29.54	-31.40	40.60	20.34	54.00	24.46	H
14492.100	29.51	-29.56	41.90	17.17	54.00	24.49	V
11195.950	28.93	-32.42	38.60	22.75	54.00	25.07	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17961.500	32.86	-29.59	45.95	16.50	54.00	21.14	V
17994.500	32.85	-29.59	45.95	16.49	54.00	21.15	H
13305.750	30.06	-31.40	40.60	20.86	54.00	23.94	V
11400.000	29.72	-32.58	39.00	23.30	54.00	24.28	V
13299.700	29.69	-31.40	40.60	20.49	54.00	24.31	V
11401.650	28.90	-32.58	39.00	22.48	54.00	25.10	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17968.100	34.32	-29.59	45.95	17.96	54.00	19.68	V
17965.900	34.29	-29.59	45.95	17.93	54.00	19.71	H
13293.650	31.18	-31.40	40.60	21.98	54.00	22.82	V
13291.450	31.14	-31.40	40.60	21.94	54.00	22.86	H
5149.520	49.82	-28.00	34.00	43.82	54.00	4.18	H
5148.680	49.74	-28.00	34.00	43.74	54.00	4.26	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.550	34.88	-29.59	45.95	18.52	54.00	19.12	V
17971.400	34.53	-29.59	45.95	18.17	54.00	19.47	V
13285.400	31.42	-31.40	40.60	22.22	54.00	22.58	V
13293.100	31.33	-31.40	40.60	22.13	54.00	22.67	V
11915.900	30.71	-32.53	39.10	24.14	54.00	23.29	V
11870.250	30.61	-32.73	39.15	24.19	54.00	23.39	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17951.600	34.79	-29.59	45.95	18.43	54.00	19.21	V
17962.600	34.33	-29.59	45.95	17.97	54.00	19.67	H
13300.800	31.98	-31.40	40.60	22.78	54.00	22.02	V
13289.250	31.58	-31.40	40.60	22.38	54.00	22.42	H
11865.300	31.12	-32.73	39.15	24.70	54.00	22.88	V
11857.050	31.02	-32.73	39.15	24.60	54.00	22.98	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7371.800	36.32	-35.06	36.60	34.78	54.00	17.68	H
7355.850	36.04	-35.06	36.60	34.50	54.00	17.96	H
17989.000	34.33	-29.59	45.95	17.97	54.00	19.67	V
17979.100	33.80	-29.59	45.95	17.44	54.00	20.20	H
13275.500	31.41	-31.40	40.60	22.21	54.00	22.59	V
14475.600	31.33	-29.56	41.90	18.99	54.00	22.67	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7382.800	36.06	-34.74	36.60	34.20	54.00	17.94	V
7383.350	35.90	-34.74	36.60	34.04	54.00	18.10	V
17984.050	34.26	-29.59	45.95	17.90	54.00	19.74	V
17989.000	33.91	-29.59	45.95	17.55	54.00	20.09	V
13257.350	31.49	-31.62	40.50	22.61	54.00	22.51	V
13270.550	31.43	-31.40	40.60	22.23	54.00	22.57	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10622.850	37.65	-33.58	38.30	32.93	54.00	16.35	V
10623.400	36.29	-33.58	38.30	31.57	54.00	17.71	V
7439.450	35.13	-35.20	36.50	33.83	54.00	18.87	V
17958.200	34.12	-29.59	45.95	17.76	54.00	19.88	H
5350.112	47.33	-27.82	34.20	40.95	54.00	6.67	H
5350.144	46.80	-27.82	34.20	40.42	54.00	7.20	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.750	33.81	-29.59	45.95	17.45	54.00	20.19	V
17984.600	33.75	-29.59	45.95	17.39	54.00	20.25	H
10999.600	32.74	-33.10	38.60	27.24	54.00	21.26	V
11002.900	31.89	-33.10	38.60	26.39	54.00	22.11	V
5459.590	46.26	-27.49	34.20	39.55	54.00	7.74	V
5459.515	46.24	-27.49	34.20	39.53	54.00	7.76	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	33.49	-29.59	45.95	17.13	54.00	20.51	H
17963.150	33.41	-29.59	45.95	17.05	54.00	20.59	H
13287.050	30.48	-31.40	40.60	21.28	54.00	23.52	H
13320.600	30.45	-31.19	40.65	20.99	54.00	23.55	H
11891.700	29.74	-32.53	39.10	23.17	54.00	24.26	H
11894.450	29.61	-32.53	39.10	23.04	54.00	24.39	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.050	32.82	-29.59	45.95	16.46	54.00	21.18	V
17946.650	32.75	-29.59	45.95	16.39	54.00	21.25	V
13294.200	29.96	-31.40	40.60	20.76	54.00	24.04	V
13269.450	29.73	-31.40	40.60	20.53	54.00	24.27	H
11842.200	28.64	-32.73	39.15	22.22	54.00	25.36	H
11834.500	28.63	-32.73	39.15	22.21	54.00	25.37	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	32.18	-29.59	45.95	15.82	54.00	21.82	V
17996.700	32.05	-29.59	45.95	15.69	54.00	21.95	H
13300.250	28.81	-31.40	40.60	19.61	54.00	25.19	H
13303.000	28.32	-31.40	40.60	19.12	54.00	25.68	H
5148.420	48.45	-27.79	34.00	42.24	54.00	5.55	V
5148.560	48.29	-28.00	34.00	42.29	54.00	5.71	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17978.550	32.85	-29.59	45.95	16.49	54.00	21.15	H
17904.850	32.63	-29.59	45.95	16.27	54.00	21.37	H
13295.850	29.64	-31.40	40.60	20.44	54.00	24.36	H
13312.350	29.39	-31.40	40.60	20.19	54.00	24.61	V
11875.750	28.41	-32.73	39.15	21.99	54.00	25.59	H
11880.700	28.40	-32.73	39.15	21.98	54.00	25.60	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7359.700	35.36	-35.06	36.60	33.82	54.00	18.64	H
7360.250	35.29	-35.06	36.60	33.75	54.00	18.71	H
17979.100	34.23	-29.59	45.95	17.87	54.00	19.77	V
17998.900	34.13	-29.59	45.95	17.77	54.00	19.87	H
13304.100	31.77	-31.40	40.60	22.57	54.00	22.23	V
13307.400	31.71	-31.40	40.60	22.51	54.00	22.29	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.750	34.11	-29.59	45.95	17.75	54.00	19.89	H
17980.750	34.03	-29.59	45.95	17.67	54.00	19.97	V
7415.250	33.21	-34.74	36.60	31.35	54.00	20.79	H
7416.350	32.61	-34.74	36.60	30.75	54.00	21.39	H
5352.016	51.75	-27.82	34.20	45.37	54.00	2.25	H
5352.768	51.62	-27.82	34.20	45.24	54.00	2.38	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17951.600	34.18	-29.59	45.95	17.82	54.00	19.82	H
17864.150	33.90	-29.59	45.95	17.54	54.00	20.10	H
13298.050	31.38	-31.40	40.60	22.18	54.00	22.62	H
11016.100	31.36	-33.10	38.60	25.86	54.00	22.64	V
5458.915	51.93	-27.49	34.20	45.22	54.00	2.07	V
5459.875	51.91	-27.49	34.20	45.20	54.00	2.09	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17982.400	34.46	-29.59	45.95	18.10	54.00	19.54	H
17983.500	34.46	-29.59	45.95	18.10	54.00	19.54	V
13295.850	31.50	-31.40	40.60	22.30	54.00	22.50	H
13271.650	31.41	-31.40	40.60	22.21	54.00	22.59	H
11864.750	30.74	-32.73	39.15	24.32	54.00	23.26	H
11870.800	30.51	-32.73	39.15	24.09	54.00	23.49	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	34.35	-29.59	45.95	17.99	54.00	19.65	H
17989.550	34.25	-29.59	45.95	17.89	54.00	19.75	H
13289.800	31.66	-31.40	40.60	22.46	54.00	22.34	V
13299.700	31.48	-31.40	40.60	22.28	54.00	22.52	H
11891.150	31.06	-32.53	39.10	24.49	54.00	22.94	H
11861.450	30.77	-32.73	39.15	24.35	54.00	23.23	H

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.750	34.04	-29.59	45.95	17.68	54.00	19.96	V
17993.950	33.94	-29.59	45.95	17.58	54.00	20.06	V
13265.600	31.29	-31.62	40.50	22.41	54.00	22.71	H
13322.250	30.92	-31.19	40.65	21.46	54.00	23.08	V
5148.940	44.44	-28.00	34.00	38.44	54.00	9.56	V
5146.780	44.43	-27.79	34.00	38.22	54.00	9.57	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.750	34.29	-29.59	45.95	17.93	54.00	19.71	V
17954.350	34.28	-29.59	45.95	17.92	54.00	19.72	V
13303.000	31.36	-31.40	40.60	22.16	54.00	22.64	H
13272.200	31.30	-31.40	40.60	22.10	54.00	22.70	V
11873.550	30.72	-32.73	39.15	24.30	54.00	23.28	H
11862.000	30.71	-32.73	39.15	24.29	54.00	23.29	H

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.850	34.52	-29.59	45.95	18.16	54.00	19.48	H
17988.450	34.47	-29.59	45.95	18.11	54.00	19.53	V
13311.250	31.75	-31.40	40.60	22.55	54.00	22.25	H
13271.650	31.68	-31.40	40.60	22.48	54.00	22.32	V
11910.400	30.76	-32.53	39.10	24.19	54.00	23.24	H
11848.800	30.61	-32.73	39.15	24.19	54.00	23.39	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7355.300	37.15	-35.06	36.60	35.61	54.00	16.85	V
7355.850	36.26	-35.06	36.60	34.72	54.00	17.74	V
17964.800	34.26	-29.59	45.95	17.90	54.00	19.74	H
17993.950	34.17	-29.59	45.95	17.81	54.00	19.83	H
13299.700	31.45	-31.40	40.60	22.25	54.00	22.55	V
13278.250	31.38	-31.40	40.60	22.18	54.00	22.62	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7383.350	35.59	-34.74	36.60	33.73	54.00	18.41	H
7382.800	35.41	-34.74	36.60	33.55	54.00	18.59	H
17998.900	34.15	-29.59	45.95	17.79	54.00	19.85	V
17989.550	34.06	-29.59	45.95	17.70	54.00	19.94	V
13296.950	32.03	-31.40	40.60	22.83	54.00	21.97	V
13296.400	31.88	-31.40	40.60	22.68	54.00	22.12	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10622.850	36.81	-33.58	38.30	32.09	54.00	17.19	V
10623.400	35.98	-33.58	38.30	31.26	54.00	18.02	V
7438.900	34.67	-35.20	36.50	33.37	54.00	19.33	V
7439.450	34.35	-35.20	36.50	33.05	54.00	19.65	V
5350.448	47.33	-27.82	34.20	40.95	54.00	6.67	H
5350.368	47.31	-27.82	34.20	40.93	54.00	6.69	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.200	33.77	-29.59	45.95	17.41	54.00	20.23	H
17986.800	33.66	-29.59	45.95	17.30	54.00	20.34	H
11009.500	31.31	-33.10	38.60	25.81	54.00	22.69	V
10998.500	31.28	-33.10	38.60	25.78	54.00	22.72	V
5459.920	50.17	-27.49	34.20	43.46	54.00	3.83	V
5459.785	49.88	-27.49	34.20	43.17	54.00	4.12	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.400	33.30	-29.59	45.95	16.94	54.00	20.70	H
17959.850	33.26	-29.59	45.95	16.90	54.00	20.74	H
13296.950	30.46	-31.40	40.60	21.26	54.00	23.54	V
13302.450	30.28	-31.40	40.60	21.08	54.00	23.72	H
11862.000	29.46	-32.73	39.15	23.04	54.00	24.54	V
11884.550	29.33	-32.53	39.10	22.76	54.00	24.67	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.700	33.42	-29.59	45.95	17.06	54.00	20.58	H
17973.600	33.24	-29.59	45.95	16.88	54.00	20.76	H
13301.900	30.18	-31.40	40.60	20.98	54.00	23.82	V
13266.700	30.12	-31.62	40.50	21.24	54.00	23.88	V
11886.200	29.47	-32.53	39.10	22.90	54.00	24.53	V
11876.850	29.22	-32.73	39.15	22.80	54.00	24.78	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.650	32.30	-29.59	45.95	15.94	54.00	21.70	V
17984.600	32.12	-29.59	45.95	15.76	54.00	21.88	H
13307.950	28.72	-31.40	40.60	19.52	54.00	25.28	H
13259.550	28.69	-31.62	40.50	19.81	54.00	25.31	V
5149.740	48.78	-28.00	34.00	42.78	54.00	5.22	H
5150.000	48.06	-28.00	34.00	42.06	54.00	5.94	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.600	33.03	-29.59	45.95	16.67	54.00	20.97	V
17953.800	32.83	-29.59	45.95	16.47	54.00	21.17	H
13270.550	29.81	-31.40	40.60	20.61	54.00	24.19	H
13273.850	29.72	-31.40	40.60	20.52	54.00	24.28	V
11893.900	28.64	-32.53	39.10	22.07	54.00	25.36	V
11855.950	28.36	-32.73	39.15	21.94	54.00	25.64	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7360.250	35.46	-35.06	36.60	33.92	54.00	18.54	V
7359.700	34.70	-35.06	36.60	33.16	54.00	19.30	H
17987.900	33.93	-29.59	45.95	17.57	54.00	20.07	V
17972.500	33.89	-29.59	45.95	17.53	54.00	20.11	H
13304.100	31.45	-31.40	40.60	22.25	54.00	22.55	V
13281.000	31.33	-31.40	40.60	22.13	54.00	22.67	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17980.200	34.29	-29.59	45.95	17.93	54.00	19.71	H
17965.900	34.19	-29.59	45.95	17.83	54.00	19.81	H
7415.800	33.49	-34.74	36.60	31.63	54.00	20.51	H
7416.350	32.87	-34.74	36.60	31.01	54.00	21.13	V
5350.016	46.91	-27.82	34.20	40.53	54.00	7.09	H
5350.384	46.80	-27.82	34.20	40.42	54.00	7.20	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17989.550	34.24	-29.59	45.95	17.88	54.00	19.76	V
17992.850	34.00	-29.59	45.95	17.64	54.00	20.00	H
13282.100	31.21	-31.40	40.60	22.01	54.00	22.79	H
13290.350	31.20	-31.40	40.60	22.00	54.00	22.80	V
5459.905	51.07	-27.49	34.20	44.36	54.00	2.93	H
5459.980	50.78	-27.49	34.20	44.07	54.00	3.22	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.800	34.40	-29.59	45.95	18.04	54.00	19.60	H
17962.050	34.26	-29.59	45.95	17.90	54.00	19.74	H
13282.650	31.83	-31.40	40.60	22.63	54.00	22.17	H
13283.200	31.53	-31.40	40.60	22.33	54.00	22.47	H
11877.950	31.21	-32.73	39.15	24.79	54.00	22.79	V
11836.700	30.89	-32.73	39.15	24.47	54.00	23.11	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.050	34.83	-29.59	45.95	18.47	54.00	19.17	H
17996.150	34.57	-29.59	45.95	18.21	54.00	19.43	H
13271.650	31.62	-31.40	40.60	22.42	54.00	22.38	V
13298.600	31.60	-31.40	40.60	22.40	54.00	22.40	H
11903.800	31.20	-32.53	39.10	24.63	54.00	22.80	H
11926.900	31.02	-32.53	39.10	24.45	54.00	22.98	H

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Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17970.300	34.14	-29.59	45.95	17.78	54.00	19.86	V
17968.650	34.07	-29.59	45.95	17.71	54.00	19.93	H
13262.850	31.54	-31.62	40.50	22.66	54.00	22.46	V
13286.500	31.40	-31.40	40.60	22.20	54.00	22.60	V
5148.420	52.36	-27.79	34.00	46.15	54.00	1.64	H
5149.200	52.22	-28.00	34.00	46.22	54.00	1.78	H

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7367.950	34.56	-35.06	36.60	33.02	54.00	19.44	H
17962.050	34.28	-29.59	45.95	17.92	54.00	19.72	V
7368.500	34.10	-35.06	36.60	32.56	54.00	19.90	V
17976.350	34.01	-29.59	45.95	17.65	54.00	19.99	V
5350.032	49.41	-27.82	34.20	43.03	54.00	4.59	H
5350.960	49.21	-27.82	34.20	42.83	54.00	4.79	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.250	34.67	-29.59	45.95	18.31	54.00	19.33	V
17954.350	34.65	-29.59	45.95	18.29	54.00	19.35	H
13289.800	31.74	-31.40	40.60	22.54	54.00	22.26	H
13274.400	31.73	-31.40	40.60	22.53	54.00	22.27	H
5459.275	53.41	-27.49	34.20	46.70	54.00	0.59	V
5459.800	52.98	-27.49	34.20	46.27	54.00	1.02	V

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.300	34.75	-29.59	45.95	18.39	54.00	19.25	H
17997.800	34.69	-29.59	45.95	18.33	54.00	19.31	H
13305.200	32.23	-31.40	40.60	23.03	54.00	21.77	H
13278.800	32.18	-31.40	40.60	22.98	54.00	21.82	V
11865.300	31.47	-32.73	39.15	25.05	54.00	22.53	H
11318.600	31.30	-32.41	38.70	25.01	54.00	22.70	H

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17979.100	34.84	-29.59	45.95	18.48	54.00	19.16	V
17959.850	34.18	-29.59	45.95	17.82	54.00	19.82	V
13300.800	31.17	-31.40	40.60	21.97	54.00	22.83	V
13278.250	31.12	-31.40	40.60	21.92	54.00	22.88	V
5148.500	49.53	-27.79	34.00	43.32	54.00	4.47	H
5148.700	49.08	-28.00	34.00	43.08	54.00	4.92	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17951.050	34.45	-29.59	45.95	18.09	54.00	19.55	V
17971.950	34.36	-29.59	45.95	18.00	54.00	19.64	H
13318.400	31.92	-31.19	40.65	22.46	54.00	22.08	H
13293.650	31.43	-31.40	40.60	22.23	54.00	22.57	V
11865.300	31.00	-32.73	39.15	24.58	54.00	23.00	V
11883.450	30.89	-32.53	39.10	24.32	54.00	23.11	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.800	34.48	-29.59	45.95	18.12	54.00	19.52	V
17833.900	34.18	-29.59	45.95	17.82	54.00	19.82	V
13295.850	31.62	-31.40	40.60	22.42	54.00	22.38	V
13284.850	31.56	-31.40	40.60	22.36	54.00	22.44	V
11833.950	30.90	-32.73	39.15	24.48	54.00	23.10	V
11862.000	30.90	-32.73	39.15	24.48	54.00	23.10	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7371.800	36.15	-35.06	36.60	34.61	54.00	17.85	V
7372.350	35.95	-35.06	36.60	34.41	54.00	18.05	H
17996.700	33.97	-29.59	45.95	17.61	54.00	20.03	H
17960.950	33.93	-29.59	45.95	17.57	54.00	20.07	V
13274.950	31.55	-31.40	40.60	22.35	54.00	22.45	V
13294.200	31.45	-31.40	40.60	22.25	54.00	22.55	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7383.350	36.01	-34.74	36.60	34.15	54.00	17.99	V
7383.900	35.56	-34.74	36.60	33.70	54.00	18.44	H
17965.350	34.14	-29.59	45.95	17.78	54.00	19.86	H
17975.800	34.04	-29.59	45.95	17.68	54.00	19.96	H
13277.700	32.14	-31.40	40.60	22.94	54.00	21.86	V
13398.150	31.59	-31.84	40.70	22.73	54.00	22.41	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10622.850	36.28	-33.58	38.30	31.56	54.00	17.72	V
10623.400	36.06	-33.58	38.30	31.34	54.00	17.94	V
7438.900	34.69	-35.20	36.50	33.39	54.00	19.31	V
7439.450	34.53	-35.20	36.50	33.23	54.00	19.47	V
5350.112	51.80	-27.82	34.20	45.42	54.00	2.20	H
5350.064	51.51	-27.82	34.20	45.13	54.00	2.49	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17952.700	34.09	-29.59	45.95	17.73	54.00	19.91	H
17971.950	33.85	-29.59	45.95	17.49	54.00	20.15	H
10996.300	32.68	-33.10	38.60	27.18	54.00	21.32	V
10999.600	32.27	-33.10	38.60	26.77	54.00	21.73	V
5458.960	44.04	-27.49	34.20	37.33	54.00	9.96	H
5458.090	43.96	-27.49	34.20	37.25	54.00	10.04	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17947.200	33.14	-29.59	45.95	16.78	54.00	20.86	H
17968.650	33.03	-29.59	45.95	16.67	54.00	20.97	V
13286.500	30.21	-31.40	40.60	21.01	54.00	23.79	V
13278.250	30.19	-31.40	40.60	20.99	54.00	23.81	H
11891.150	29.72	-32.53	39.10	23.15	54.00	24.28	H
11858.150	29.31	-32.73	39.15	22.89	54.00	24.69	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.750	33.05	-29.59	45.95	16.69	54.00	20.95	V
17890.000	33.02	-29.59	45.95	16.66	54.00	20.98	H
9119.700	30.22	-34.20	37.70	26.72	54.00	23.78	V
13278.800	30.01	-31.40	40.60	20.81	54.00	23.99	V
13311.800	29.86	-31.40	40.60	20.66	54.00	24.14	H
11900.500	29.25	-32.53	39.10	22.68	54.00	24.75	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	32.43	-29.59	45.95	16.07	54.00	21.57	V
17956.550	32.40	-29.59	45.95	16.04	54.00	21.60	V
13295.850	29.41	-31.40	40.60	20.21	54.00	24.59	V
13261.200	29.12	-31.62	40.50	20.24	54.00	24.88	H
5149.740	47.19	-28.00	34.00	41.19	54.00	6.81	V
5149.760	46.46	-28.00	34.00	40.46	54.00	7.54	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.100	33.12	-29.59	45.95	16.76	54.00	20.88	H
17991.750	33.05	-29.59	45.95	16.69	54.00	20.95	H
13294.750	29.75	-31.40	40.60	20.55	54.00	24.25	H
13286.500	29.74	-31.40	40.60	20.54	54.00	24.26	V
11901.050	29.01	-32.53	39.10	22.44	54.00	24.99	H
11881.250	28.77	-32.53	39.10	22.20	54.00	25.23	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7360.250	35.37	-35.06	36.60	33.83	54.00	18.63	V
7359.700	35.34	-35.06	36.60	33.80	54.00	18.66	V
17998.900	34.21	-29.59	45.95	17.85	54.00	19.79	H
17996.150	33.95	-29.59	45.95	17.59	54.00	20.05	H
13289.800	31.42	-31.40	40.60	22.22	54.00	22.58	V
13294.200	31.42	-31.40	40.60	22.22	54.00	22.58	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	34.62	-29.59	45.95	18.26	54.00	19.38	V
17929.050	34.14	-29.59	45.95	17.78	54.00	19.86	V
7415.250	33.70	-34.74	36.60	31.84	54.00	20.30	V
7416.350	33.06	-34.74	36.60	31.20	54.00	20.94	H
5350.096	46.94	-27.82	34.20	40.56	54.00	7.06	H
5352.608	46.61	-27.82	34.20	40.23	54.00	7.39	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.100	34.28	-29.59	45.95	17.92	54.00	19.72	H
17973.600	34.24	-29.59	45.95	17.88	54.00	19.76	V
13280.450	31.41	-31.40	40.60	22.21	54.00	22.59	V
13305.200	31.35	-31.40	40.60	22.15	54.00	22.65	V
5459.860	47.99	-27.49	34.20	41.28	54.00	6.01	V
5459.800	47.62	-27.49	34.20	40.91	54.00	6.38	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.050	34.44	-29.59	45.95	18.08	54.00	19.56	V
17946.100	34.34	-29.59	45.95	17.98	54.00	19.66	H
13300.800	32.15	-31.40	40.60	22.95	54.00	21.85	H
13310.150	31.64	-31.40	40.60	22.44	54.00	22.36	V
11923.050	30.80	-32.53	39.10	24.23	54.00	23.20	H
11823.500	30.44	-32.09	39.20	23.33	54.00	23.56	V

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.000	34.80	-29.59	45.95	18.44	54.00	19.20	H
17970.850	34.69	-29.59	45.95	18.33	54.00	19.31	V
13261.750	31.93	-31.62	40.50	23.05	54.00	22.07	V
9071.850	31.82	-34.52	37.70	28.64	54.00	22.18	V
13300.250	31.82	-31.40	40.60	22.62	54.00	22.18	H
11903.250	31.08	-32.53	39.10	24.51	54.00	22.92	H

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Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.350	34.07	-29.59	45.95	17.71	54.00	19.93	H
17995.050	34.06	-29.59	45.95	17.70	54.00	19.94	H
13278.250	31.51	-31.40	40.60	22.31	54.00	22.49	H
13297.500	31.42	-31.40	40.60	22.22	54.00	22.58	H
5148.680	50.55	-28.00	34.00	44.55	54.00	3.45	V
5148.420	50.53	-27.79	34.00	44.32	54.00	3.47	V

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7367.950	34.31	-35.06	36.60	32.77	54.00	19.69	V
17989.550	34.20	-29.59	45.95	17.84	54.00	19.80	V
7367.400	34.09	-35.06	36.60	32.55	54.00	19.91	H
17968.650	34.09	-29.59	45.95	17.73	54.00	19.91	H
5350.432	48.90	-27.82	34.20	42.52	54.00	5.10	H
5351.344	48.80	-27.82	34.20	42.42	54.00	5.20	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.250	35.05	-29.59	45.95	18.69	54.00	18.95	H
17950.500	34.63	-29.59	45.95	18.27	54.00	19.37	V
13292.550	31.96	-31.40	40.60	22.76	54.00	22.04	V
13321.700	31.83	-31.19	40.65	22.37	54.00	22.17	H
5459.365	52.18	-27.49	34.20	45.47	54.00	1.82	H
5458.570	52.13	-27.49	34.20	45.42	54.00	1.87	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.150	34.90	-29.59	45.95	18.54	54.00	19.10	H
17941.700	34.75	-29.59	45.95	18.39	54.00	19.25	H
13295.850	31.85	-31.40	40.60	22.65	54.00	22.15	V
13300.250	31.75	-31.40	40.60	22.55	54.00	22.25	H
11891.150	31.38	-32.53	39.10	24.81	54.00	22.62	V
11915.350	31.00	-32.53	39.10	24.43	54.00	23.00	V

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Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.050	34.07	-29.59	45.95	17.71	54.00	19.93	V
17955.450	33.95	-29.59	45.95	17.59	54.00	20.05	V
13303.550	31.49	-31.40	40.60	22.29	54.00	22.51	H
13292.000	31.33	-31.40	40.60	22.13	54.00	22.67	V
5118.500	50.55	-27.79	34.00	44.34	54.00	3.45	V
5118.460	49.65	-27.79	34.00	43.44	54.00	4.35	H

Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.500	34.79	-29.59	45.95	18.43	54.00	19.21	H
17967.550	34.78	-29.59	45.95	18.42	54.00	19.22	V
13268.900	32.06	-31.40	40.60	22.86	54.00	21.94	H
13307.950	31.95	-31.40	40.60	22.75	54.00	22.05	H
5436.235	44.81	-27.94	34.30	38.45	54.00	9.19	H
5434.705	44.35	-27.94	34.30	37.99	54.00	9.65	H

PEAK Results:

802.11a

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7770.000	49.33	-34.52	36.40	47.45	68.20	18.87	V
7769.450	49.10	-34.52	36.40	47.22	68.20	19.10	V
17132.100	45.00	-29.31	41.70	32.61	68.20	23.20	V
16848.300	44.88	-29.50	40.00	34.38	68.20	23.32	V
5148.960	57.86	-28.00	34.00	51.86	74.00	16.14	V
5149.200	57.75	-28.00	34.00	51.75	74.00	16.25	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7799.700	49.60	-35.35	36.50	48.45	68.20	18.60	V
7800.250	48.23	-35.35	36.50	47.08	68.20	19.97	H
17948.850	45.86	-29.59	45.95	29.50	74.00	28.14	H
16979.200	45.85	-29.68	40.60	34.93	68.20	22.35	H
13803.500	42.97	-30.98	41.20	32.75	68.20	25.23	V
13809.550	42.91	-30.98	41.20	32.69	68.20	25.29	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7859.650	46.69	-34.82	36.60	44.91	68.20	21.51	V
7860.200	45.59	-34.82	36.60	43.81	68.20	22.61	V
16986.350	45.15	-29.38	40.85	33.68	68.20	23.05	V
17235.500	45.13	-29.33	42.40	32.06	68.20	23.07	V
13743.550	43.26	-31.18	41.10	33.34	68.20	24.94	V
13543.900	42.95	-31.18	40.75	33.38	68.20	25.25	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10502.950	48.28	-33.31	38.20	43.39	68.20	19.92	V
10502.400	47.65	-33.31	38.20	42.76	68.20	20.55	V
17230.550	44.96	-29.33	42.40	31.89	68.20	23.24	H
17019.350	44.95	-29.38	40.85	33.48	68.20	23.25	V
7371.800	44.63	-35.06	36.60	43.09	74.00	29.37	H
7372.900	44.21	-35.06	36.60	42.67	74.00	29.79	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16994.050	45.10	-29.38	40.85	33.63	68.20	23.10	H
17051.250	44.99	-29.30	41.10	33.19	68.20	23.21	V
14603.750	42.67	-29.14	41.90	29.91	68.20	25.53	H
13745.200	42.55	-31.18	41.10	32.63	68.20	25.65	H
10853.850	41.07	-33.07	38.50	35.64	74.00	32.93	H
11992.900	40.92	-32.66	39.00	34.58	74.00	33.08	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10623.950	46.50	-33.58	38.30	41.78	74.00	27.50	V
10622.850	46.19	-33.58	38.30	41.47	74.00	27.81	V
17461.000	45.29	-28.70	44.20	29.79	68.20	22.91	H
17027.600	45.10	-29.38	40.85	33.63	68.20	23.10	H
5350.976	52.45	-27.82	34.20	46.07	74.00	21.55	V
5351.040	52.22	-27.82	34.20	45.84	74.00	21.78	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17326.250	43.61	-29.54	42.90	30.25	68.20	24.59	H
17011.650	43.28	-29.38	40.85	31.81	68.20	24.92	H
11000.150	42.94	-33.10	38.60	37.44	74.00	31.06	V
10997.400	42.37	-33.10	38.60	36.87	74.00	31.63	V
5459.875	56.69	-27.49	34.20	49.98	74.00	17.31	H
5468.545	64.68	-27.49	34.20	57.97	68.20	3.52	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17725.550	43.73	-29.47	45.90	27.30	74.00	30.27	V
17445.050	43.45	-28.70	44.20	27.95	68.20	24.75	H
13926.150	41.72	-30.81	41.40	31.13	68.20	26.48	V
13758.400	41.24	-31.18	41.10	31.32	68.20	26.96	V
11204.200	39.12	-32.42	38.60	32.94	74.00	34.88	V
11885.650	38.93	-32.53	39.10	32.36	74.00	35.07	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17450.000	43.90	-28.70	44.20	28.40	68.20	24.30	V
16924.750	43.80	-29.28	40.30	32.78	68.20	24.40	H
13806.250	42.64	-30.98	41.20	32.42	68.20	25.56	V
13921.750	41.41	-30.81	41.40	30.82	68.20	26.79	H
5728.750	57.13	-27.47	34.10	50.50	68.20	11.07	V
5725.547	56.93	-27.47	34.10	50.30	68.20	11.27	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7770.000	48.40	-34.52	36.40	46.52	68.20	19.80	V
7769.450	48.07	-34.52	36.40	46.19	68.20	20.13	V
17929.600	45.85	-29.59	45.95	29.49	74.00	28.15	V
17541.300	45.70	-29.39	44.90	30.20	68.20	22.50	V
5147.820	63.30	-27.79	34.00	57.09	74.00	10.70	V
5147.800	63.28	-27.79	34.00	57.07	74.00	10.72	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7799.700	49.45	-35.35	36.50	48.30	68.20	18.75	V
7800.250	48.21	-35.35	36.50	47.06	68.20	19.99	V
17037.500	45.22	-29.30	41.10	33.42	68.20	22.98	H
16958.300	45.21	-29.68	40.60	34.29	68.20	22.99	V
13634.650	42.92	-31.29	40.90	33.31	68.20	25.28	H
14572.950	42.90	-29.14	41.90	30.14	68.20	25.30	H

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7859.650	47.54	-34.82	36.60	45.76	68.20	20.66	H
7860.200	46.46	-34.82	36.60	44.68	68.20	21.74	H
17011.100	45.54	-29.38	40.85	34.07	68.20	22.66	V
17005.600	45.40	-29.38	40.85	33.93	68.20	22.80	H
14699.450	43.16	-30.04	41.50	31.70	68.20	25.04	V
13641.250	43.13	-31.29	40.90	33.52	68.20	25.07	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10502.400	46.45	-33.31	38.20	41.56	68.20	21.75	V
17050.150	45.85	-29.30	41.10	34.05	68.20	22.35	V
17403.800	45.58	-29.44	43.80	31.22	68.20	22.62	V
10503.500	45.33	-33.31	38.20	40.44	68.20	22.87	V
7355.300	44.03	-35.06	36.60	42.49	74.00	29.97	H
7371.800	44.01	-35.06	36.60	42.47	74.00	29.99	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10543.650	54.58	-33.31	38.20	49.69	68.20	13.62	V
10542.000	53.84	-33.31	38.20	48.95	68.20	14.36	V
17289.400	45.71	-29.54	42.90	32.35	68.20	22.49	V
17231.100	45.68	-29.33	42.40	32.61	68.20	22.52	V
7383.350	45.52	-34.74	36.60	43.66	74.00	28.48	V
7382.800	44.74	-34.74	36.60	42.88	74.00	29.26	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17329.000	45.64	-28.74	43.40	30.98	68.20	22.56	H
16846.650	45.08	-29.50	40.00	34.58	68.20	23.12	V
10622.850	44.21	-33.58	38.30	39.49	74.00	29.79	H
10623.400	43.80	-33.58	38.30	39.08	74.00	30.20	V
5351.792	59.19	-27.82	34.20	52.81	74.00	14.81	H
5351.504	58.73	-27.82	34.20	52.35	74.00	15.27	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17967.000	45.23	-29.59	45.95	28.87	74.00	28.77	V
17591.900	45.00	-29.60	45.15	29.45	68.20	23.20	H
13800.750	42.56	-30.98	41.20	32.34	68.20	25.64	H
13764.450	42.35	-30.98	41.20	32.13	68.20	25.85	H
5459.530	61.04	-27.49	34.20	54.33	74.00	12.96	V
5469.745	65.27	-27.49	34.20	58.56	68.20	2.93	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17326.250	45.05	-29.54	42.90	31.69	68.20	23.15	H
17470.900	44.63	-28.70	44.20	29.13	68.20	23.57	H
13938.250	42.60	-30.81	41.40	32.01	68.20	25.60	V
13820.000	42.27	-30.20	41.25	31.22	68.20	25.93	V
11331.800	40.39	-32.41	38.70	34.10	74.00	33.61	H
11901.050	40.21	-32.53	39.10	33.64	74.00	33.79	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16522.700	44.14	-29.90	39.00	35.04	68.20	24.06	V
17352.100	44.01	-28.74	43.40	29.35	68.20	24.19	V
14598.250	41.46	-29.14	41.90	28.70	68.20	26.74	V
14044.950	41.25	-31.31	41.60	30.96	68.20	26.95	V
5725.075	59.94	-27.47	34.10	53.31	68.20	8.26	H
5725.705	59.84	-27.47	34.10	53.21	68.20	8.36	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7784.850	43.93	-35.35	36.50	42.78	68.20	24.27	H
17122.750	43.32	-29.25	41.40	31.17	68.20	24.88	V
17531.400	43.27	-29.39	44.90	27.77	68.20	24.93	H
7784.300	42.98	-35.35	36.50	41.83	68.20	25.22	H
5149.780	58.78	-28.00	34.00	52.78	74.00	15.22	V
5149.860	58.62	-28.00	34.00	52.62	74.00	15.38	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7844.800	44.63	-34.82	36.60	42.85	68.20	23.57	V
17335.600	43.75	-28.74	43.40	29.09	68.20	24.45	H
17227.250	43.59	-29.08	42.05	30.62	68.20	24.61	V
7844.250	43.35	-34.82	36.60	41.57	68.20	24.85	V
13695.150	41.52	-30.98	41.00	31.50	68.20	26.68	V
13807.900	41.31	-30.98	41.20	31.09	68.20	26.89	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10504.050	48.85	-33.31	38.20	43.96	68.20	19.35	V
10505.150	46.88	-33.31	38.20	41.99	68.20	21.32	V
17310.300	45.75	-29.54	42.90	32.39	68.20	22.45	V
17533.050	45.64	-29.39	44.90	30.14	68.20	22.56	V
7359.150	45.14	-35.06	36.60	43.60	74.00	28.86	H
7359.700	43.93	-35.06	36.60	42.39	74.00	30.07	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10583.250	47.48	-33.72	38.25	42.95	68.20	20.72	V
10583.800	47.01	-33.72	38.25	42.48	68.20	21.19	V
16936.300	45.31	-29.68	40.60	34.39	68.20	22.89	V
17116.150	45.29	-29.25	41.40	33.14	68.20	22.91	H
5353.824	64.07	-27.82	34.20	57.69	74.00	9.93	H
5350.688	63.35	-27.82	34.20	56.97	74.00	10.65	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17532.500	45.00	-29.39	44.90	29.50	68.20	23.20	V
16863.700	44.85	-29.50	40.00	34.35	68.20	23.35	V
13821.100	42.83	-30.20	41.25	31.78	68.20	25.37	H
13944.850	42.77	-30.81	41.40	32.18	68.20	25.43	V
5459.935	63.56	-27.49	34.20	56.85	74.00	10.44	V
5466.595	67.81	-27.49	34.20	61.10	68.20	0.39	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17336.700	46.12	-28.74	43.40	31.46	68.20	22.08	V
17177.200	45.46	-29.31	41.70	33.07	68.20	22.74	H
13175.950	43.07	-30.73	40.40	33.40	68.20	25.13	V
13902.500	42.81	-31.25	41.30	32.76	68.20	25.39	H
11877.950	42.69	-32.73	39.15	36.27	74.00	31.31	H
11763.550	41.72	-32.71	39.20	35.23	74.00	32.28	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17234.950	45.24	-29.33	42.40	32.17	68.20	22.96	H
17349.900	45.23	-28.74	43.40	30.57	68.20	22.97	H
13930.550	43.16	-30.81	41.40	32.57	68.20	25.04	V
13630.250	42.93	-31.29	40.90	33.32	68.20	25.27	H
5726.038	55.35	-27.47	34.10	48.72	68.20	12.85	V
5726.020	54.74	-27.47	34.10	48.11	68.20	13.46	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7769.450	48.31	-34.52	36.40	46.43	68.20	19.89	H
7770.000	48.28	-34.52	36.40	46.40	68.20	19.92	V
17953.800	45.20	-29.59	45.95	28.84	74.00	28.80	V
17027.050	44.75	-29.38	40.85	33.28	68.20	23.45	V
5148.700	59.74	-28.00	34.00	53.74	74.00	14.26	V
5146.780	59.46	-27.79	34.00	53.25	74.00	14.54	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7799.700	50.02	-35.35	36.50	48.87	68.20	18.18	V
7800.250	48.65	-35.35	36.50	47.50	68.20	19.55	V
17206.900	45.49	-29.08	42.05	32.52	68.20	22.71	H
17027.050	45.05	-29.38	40.85	33.58	68.20	23.15	H
14597.700	43.26	-29.14	41.90	30.50	68.20	24.94	V
13930.000	42.97	-30.81	41.40	32.38	68.20	25.23	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7859.650	47.08	-34.82	36.60	45.30	68.20	21.12	H
7860.200	45.86	-34.82	36.60	44.08	68.20	22.34	H
17430.750	45.72	-28.70	44.20	30.22	68.20	22.48	V
17956.550	45.60	-29.59	45.95	29.24	74.00	28.40	V
13584.600	43.49	-31.27	40.80	33.96	68.20	24.71	V
14103.800	43.14	-30.20	41.70	31.64	68.20	25.06	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10502.950	49.43	-33.31	38.20	44.54	68.20	18.77	V
10504.050	49.41	-33.31	38.20	44.52	68.20	18.79	V
17027.600	45.39	-29.38	40.85	33.92	68.20	22.81	H
7355.300	45.19	-35.06	36.60	43.65	74.00	28.81	H
7355.850	45.14	-35.06	36.60	43.60	74.00	28.86	H
16953.900	45.08	-29.68	40.60	34.16	68.20	23.12	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10542.550	50.27	-33.31	38.20	45.38	68.20	17.93	V
10543.100	49.83	-33.31	38.20	44.94	68.20	18.37	V
7383.350	45.53	-34.74	36.60	43.67	74.00	28.47	H
7382.800	45.31	-34.74	36.60	43.45	74.00	28.69	V
17305.900	45.12	-29.54	42.90	31.76	68.20	23.08	V
17216.250	44.98	-29.08	42.05	32.01	68.20	23.22	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10622.850	46.31	-33.58	38.30	41.59	74.00	27.69	V
10622.300	45.59	-33.58	38.30	40.87	74.00	28.41	V
17416.450	45.48	-29.44	43.80	31.12	68.20	22.72	H
17297.100	45.34	-29.54	42.90	31.98	68.20	22.86	V
5352.816	61.68	-27.82	34.20	55.30	74.00	12.32	H
5350.688	60.15	-27.82	34.20	53.77	74.00	13.85	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16930.250	44.69	-29.28	40.30	33.67	68.20	23.51	V
17229.450	44.65	-29.33	42.40	31.58	68.20	23.55	H
14671.950	43.25	-30.04	41.50	31.79	68.20	24.95	H
13713.850	42.88	-31.18	41.10	32.96	68.20	25.32	H
5459.575	63.68	-27.49	34.20	56.97	74.00	10.32	V
5469.340	67.13	-27.49	34.20	60.42	68.20	1.07	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17118.350	45.64	-29.25	41.40	33.49	68.20	22.56	V
17144.200	44.43	-29.31	41.70	32.04	68.20	23.77	H
13927.800	42.61	-30.81	41.40	32.02	68.20	25.59	V
13817.800	41.77	-30.20	41.25	30.72	68.20	26.43	H
11925.800	40.17	-32.53	39.10	33.60	74.00	33.83	H
11901.600	40.14	-32.53	39.10	33.57	74.00	33.86	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17637.550	44.55	-29.60	45.40	28.75	68.20	23.65	V
17546.250	44.06	-29.39	44.90	28.56	68.20	24.14	H
13947.600	41.76	-30.81	41.40	31.17	68.20	26.44	V
13868.950	41.73	-31.25	41.30	31.68	68.20	26.47	V
5725.250	59.65	-27.47	34.10	53.02	68.20	8.55	V
5725.898	59.13	-27.47	34.10	52.50	68.20	9.07	H

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7784.850	45.07	-35.35	36.50	43.92	68.20	23.13	V
17139.250	44.00	-29.31	41.70	31.61	68.20	24.20	V
7784.300	43.63	-35.35	36.50	42.48	68.20	24.57	V
17047.400	43.50	-29.30	41.10	31.70	68.20	24.70	H
5149.860	61.30	-28.00	34.00	55.30	74.00	12.70	H
5149.520	61.06	-28.00	34.00	55.06	74.00	12.94	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7844.800	45.28	-34.82	36.60	43.50	68.20	22.92	V
17072.150	44.33	-29.30	41.10	32.53	68.20	23.87	H
17001.200	44.18	-29.38	40.85	32.71	68.20	24.02	H
7844.250	44.04	-34.82	36.60	42.26	68.20	24.16	H
13940.450	41.78	-30.81	41.40	31.19	68.20	26.42	H
13807.900	41.42	-30.98	41.20	31.20	68.20	26.78	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10504.050	47.84	-33.31	38.20	42.95	68.20	20.36	V
10503.500	47.22	-33.31	38.20	42.33	68.20	20.98	V
7359.700	46.66	-35.06	36.60	45.12	74.00	27.34	H
17099.100	45.16	-29.25	41.40	33.01	68.20	23.04	V
17029.800	45.13	-29.30	41.10	33.33	68.20	23.07	V
7359.150	44.58	-35.06	36.60	43.04	74.00	29.42	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10583.250	46.52	-33.72	38.25	41.99	68.20	21.68	V
10582.700	46.34	-33.72	38.25	41.81	68.20	21.86	V
16747.650	45.61	-29.73	39.70	35.64	68.20	22.59	V
17881.750	45.10	-29.59	45.95	28.74	74.00	28.90	V
5352.784	60.85	-27.82	34.20	54.47	74.00	13.15	H
5352.624	59.31	-27.82	34.20	52.93	74.00	14.69	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17061.150	45.15	-29.30	41.10	33.35	68.20	23.05	V
16951.150	45.09	-29.68	40.60	34.17	68.20	23.11	H
13550.500	43.34	-31.18	40.75	33.77	68.20	24.86	H
13582.400	42.35	-31.27	40.80	32.82	68.20	25.85	H
5456.410	64.84	-27.49	34.20	58.13	74.00	9.16	V
5469.160	67.31	-27.49	34.20	60.60	68.20	0.89	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17232.200	45.62	-29.33	42.40	32.55	68.20	22.58	V
17966.450	45.38	-29.59	45.95	29.02	74.00	28.62	H
13927.800	43.24	-30.81	41.40	32.65	68.20	24.96	V
14099.400	43.02	-30.20	41.70	31.52	68.20	25.18	H
11869.150	41.57	-32.73	39.15	35.15	74.00	32.43	H
11800.400	41.35	-32.09	39.20	34.24	74.00	32.65	V

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16733.350	46.51	-29.73	39.70	36.54	68.20	21.69	H
16851.600	45.50	-29.50	40.00	35.00	68.20	22.70	H
13930.550	43.56	-30.81	41.40	32.97	68.20	24.64	H
13838.150	43.06	-30.20	41.25	32.01	68.20	25.14	H
5771.590	47.95	-27.21	34.00	41.16	68.20	20.25	H
5782.090	47.88	-27.21	34.00	41.09	68.20	20.32	V

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Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7814.550	49.27	-35.35	36.50	48.12	68.20	18.93	H
7815.100	48.28	-35.35	36.50	47.13	68.20	19.92	H
17435.150	45.78	-28.70	44.20	30.28	68.20	22.42	V
17137.600	45.39	-29.31	41.70	33.00	68.20	22.81	V
5147.780	62.68	-27.79	34.00	56.47	74.00	11.32	H
5148.320	62.62	-27.79	34.00	56.41	74.00	11.38	H

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17300.400	45.32	-29.54	42.90	31.96	68.20	22.88	V
10502.950	45.23	-33.31	38.20	40.34	68.20	22.97	V
17530.850	45.15	-29.39	44.90	29.65	68.20	23.05	V
10504.600	44.72	-33.31	38.20	39.83	68.20	23.48	H
5360.400	61.94	-27.82	34.20	55.56	74.00	12.06	H
5351.680	61.41	-27.82	34.20	55.03	74.00	12.59	V

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17051.800	45.92	-29.30	41.10	34.12	68.20	22.28	V
17514.900	45.79	-29.07	44.55	30.31	68.20	22.41	H
13988.300	43.49	-30.64	41.50	32.63	68.20	24.71	H
13626.950	43.48	-31.29	40.90	33.87	68.20	24.72	H
5459.605	64.83	-27.49	34.20	58.12	74.00	9.17	V
5462.470	65.47	-27.49	34.20	58.76	68.20	2.73	V

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17307.550	46.91	-29.54	42.90	33.55	68.20	21.29	H
17131.550	46.20	-29.31	41.70	33.81	68.20	22.00	V
14596.600	43.46	-29.14	41.90	30.70	68.20	24.74	V
14157.150	43.44	-30.93	41.70	32.66	68.20	24.76	H
5731.778	53.18	-27.47	34.10	46.55	68.20	15.02	V
5735.295	53.17	-27.47	34.10	46.54	68.20	15.03	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7769.450	48.57	-34.52	36.40	46.69	68.20	19.63	V
7770.000	48.52	-34.52	36.40	46.64	68.20	19.68	V
17047.400	45.27	-29.30	41.10	33.47	68.20	22.93	H
17232.750	45.12	-29.33	42.40	32.05	68.20	23.08	V
5149.940	62.88	-28.00	34.00	56.88	74.00	11.12	H
5147.440	62.54	-27.79	34.00	56.33	74.00	11.46	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7799.700	49.72	-35.35	36.50	48.57	68.20	18.48	V
7800.250	48.33	-35.35	36.50	47.18	68.20	19.87	V
17065.550	45.25	-29.30	41.10	33.45	68.20	22.95	V
17128.250	45.24	-29.25	41.40	33.09	68.20	22.96	V
14095.550	43.29	-30.20	41.70	31.79	68.20	24.91	V
14101.600	42.98	-30.20	41.70	31.48	68.20	25.22	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7859.650	47.63	-34.82	36.60	45.85	68.20	20.57	V
7860.200	47.09	-34.82	36.60	45.31	68.20	21.11	H
17027.050	45.43	-29.38	40.85	33.96	68.20	22.77	V
17477.500	45.36	-29.07	44.55	29.88	68.20	22.84	H
13810.650	44.00	-30.98	41.20	33.78	68.20	24.20	V
13628.050	43.12	-31.29	40.90	33.51	68.20	25.08	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10502.950	49.42	-33.31	38.20	44.53	68.20	18.78	V
10501.300	48.69	-33.31	38.20	43.80	68.20	19.51	V
17964.250	45.33	-29.59	45.95	28.97	74.00	28.67	H
7372.350	45.30	-35.06	36.60	43.76	74.00	28.70	H
17046.850	45.26	-29.30	41.10	33.46	68.20	22.94	V
7371.800	44.80	-35.06	36.60	43.26	74.00	29.20	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10542.550	49.47	-33.31	38.20	44.58	68.20	18.73	V
10543.650	49.44	-33.31	38.20	44.55	68.20	18.76	V
17959.300	45.58	-29.59	45.95	29.22	74.00	28.42	V
17988.450	45.50	-29.59	45.95	29.14	74.00	28.50	H
7383.350	44.86	-34.74	36.60	43.00	74.00	29.14	V
13734.750	43.92	-31.18	41.10	34.00	68.20	24.28	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16830.700	46.15	-29.24	39.85	35.54	68.20	22.05	H
17132.650	45.82	-29.31	41.70	33.43	68.20	22.38	H
10622.850	44.90	-33.58	38.30	40.18	74.00	29.10	V
10621.750	44.77	-33.58	38.30	40.05	74.00	29.23	V
5351.936	63.68	-27.82	34.20	57.30	74.00	10.32	H
5350.240	63.62	-27.82	34.20	57.24	74.00	10.38	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16955.550	45.34	-29.68	40.60	34.42	68.20	22.86	H
17063.900	45.29	-29.30	41.10	33.49	68.20	22.91	H
13909.100	42.98	-31.25	41.30	32.93	68.20	25.22	H
13813.400	42.38	-30.20	41.25	31.33	68.20	25.82	V
5459.665	61.16	-27.49	34.20	54.45	74.00	12.84	H
5469.970	65.23	-27.49	34.20	58.52	68.20	2.97	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17024.850	44.46	-29.38	40.85	32.99	68.20	23.74	V
16961.050	44.44	-29.68	40.60	33.52	68.20	23.76	V
13886.000	42.24	-31.25	41.30	32.19	68.20	25.96	H
13839.250	42.04	-30.20	41.25	30.99	68.20	26.16	V
10469.400	39.86	-33.87	38.20	35.53	68.20	28.34	V
11846.050	39.83	-32.73	39.15	33.41	74.00	34.17	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17854.800	44.13	-29.59	45.95	27.77	74.00	29.87	V
17107.350	44.05	-29.25	41.40	31.90	68.20	24.15	H
13922.300	41.72	-30.81	41.40	31.13	68.20	26.48	H
13856.850	41.48	-30.20	41.25	30.43	68.20	26.72	V
5725.127	65.15	-27.47	34.10	58.52	68.20	3.05	V
5725.915	65.12	-27.47	34.10	58.49	68.20	3.08	H

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7784.850	45.94	-35.35	36.50	44.79	68.20	22.26	H
7784.300	44.65	-35.35	36.50	43.50	68.20	23.55	V
17371.350	43.91	-28.74	43.40	29.25	68.20	24.29	H
17442.300	43.53	-28.70	44.20	28.03	68.20	24.67	V
5148.400	58.72	-27.79	34.00	52.51	74.00	15.28	H
5148.720	58.27	-28.00	34.00	52.27	74.00	15.73	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7844.800	45.59	-34.82	36.60	43.81	68.20	22.61	H
7844.250	44.38	-34.82	36.60	42.60	68.20	23.82	V
17305.350	44.15	-29.54	42.90	30.79	68.20	24.05	H
17538.550	44.03	-29.39	44.90	28.53	68.20	24.17	H
13695.700	41.31	-30.98	41.00	31.29	68.20	26.89	H
13707.250	41.31	-30.98	41.00	31.29	68.20	26.89	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10503.500	48.46	-33.31	38.20	43.57	68.20	19.74	V
10504.050	46.97	-33.31	38.20	42.08	68.20	21.23	V
17233.300	45.95	-29.33	42.40	32.88	68.20	22.25	H
16739.400	45.65	-29.73	39.70	35.68	68.20	22.55	V
7359.700	45.29	-35.06	36.60	43.75	74.00	28.71	V
7360.250	44.63	-35.06	36.60	43.09	74.00	29.37	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10583.250	46.77	-33.72	38.25	42.24	68.20	21.43	V
10584.350	45.89	-33.72	38.25	41.36	68.20	22.31	V
16727.300	45.16	-29.14	39.65	34.65	68.20	23.04	H
17094.150	45.00	-29.25	41.40	32.85	68.20	23.20	H
5351.280	60.71	-27.82	34.20	54.33	74.00	13.29	H
5350.352	60.21	-27.82	34.20	53.83	74.00	13.79	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17971.400	45.50	-29.59	45.95	29.14	74.00	28.50	H
17432.400	45.25	-28.70	44.20	29.75	68.20	22.95	V
13686.900	42.78	-30.98	41.00	32.76	68.20	25.42	H
13598.900	42.73	-31.27	40.80	33.20	68.20	25.47	H
5457.145	60.19	-27.49	34.20	53.48	74.00	13.81	H
5469.805	63.39	-27.49	34.20	56.68	68.20	4.81	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16989.100	45.35	-29.38	40.85	33.88	68.20	22.85	V
17231.650	45.21	-29.33	42.40	32.14	68.20	22.99	H
13766.650	42.66	-30.98	41.20	32.44	68.20	25.54	V
14101.050	42.64	-30.20	41.70	31.14	68.20	25.56	H
11896.100	41.20	-32.53	39.10	34.63	74.00	32.80	H
11888.400	40.98	-32.53	39.10	34.41	74.00	33.02	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17011.100	46.59	-29.38	40.85	35.12	68.20	21.61	H
17550.650	45.65	-29.39	44.90	30.15	68.20	22.55	H
14073.550	43.25	-30.20	41.70	31.75	68.20	24.95	V
13650.600	43.23	-31.29	40.90	33.62	68.20	24.97	H
5725.425	54.46	-27.47	34.10	47.83	68.20	13.74	H
5725.932	54.08	-27.47	34.10	47.45	68.20	14.12	V

802.11ax-HT80

Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
7814.550	49.08	-35.35	36.50	47.93	68.20	19.12	H
7815.100	48.66	-35.35	36.50	47.51	68.20	19.54	H
10343.450	45.65	-33.88	38.00	41.53	68.20	22.55	H
17203.050	45.42	-29.08	42.05	32.45	68.20	22.78	H
5138.600	62.05	-27.79	34.00	55.84	74.00	11.95	V
5141.960	61.73	-27.79	34.00	55.52	74.00	12.27	V

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17124.950	45.98	-29.25	41.40	33.83	68.20	22.22	V
16990.200	45.58	-29.38	40.85	34.11	68.20	22.62	H
10502.400	45.39	-33.31	38.20	40.50	68.20	22.81	V
10502.950	44.89	-33.31	38.20	40.00	68.20	23.31	V
5351.280	62.70	-27.82	34.20	56.32	74.00	11.30	H
5362.576	62.42	-27.82	34.20	56.04	74.00	11.58	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17330.100	45.70	-28.74	43.40	31.04	68.20	22.50	H
17534.700	45.49	-29.39	44.90	29.99	68.20	22.71	H
13918.450	44.51	-30.81	41.40	33.92	68.20	23.69	H
13939.900	43.63	-30.81	41.40	33.04	68.20	24.57	H
5452.510	64.37	-27.49	34.20	57.66	74.00	9.63	H
5469.550	67.51	-27.49	34.20	60.80	68.20	0.69	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16973.150	46.11	-29.68	40.60	35.19	68.20	22.09	H
17255.300	45.68	-29.33	42.40	32.61	68.20	22.52	H
14101.600	43.31	-30.20	41.70	31.81	68.20	24.89	H
13838.150	43.12	-30.20	41.25	32.07	68.20	25.08	V
5739.810	52.83	-27.47	34.10	46.20	68.20	15.37	V
5736.852	52.30	-27.47	34.10	45.67	68.20	15.90	H

802.11ax-HT160

Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10343.450	45.79	-33.88	38.00	41.67	68.20	22.41	V
10342.900	45.58	-33.88	38.00	41.46	68.20	22.62	V
17315.800	45.52	-29.54	42.90	32.16	68.20	22.68	V
17520.400	45.50	-29.07	44.55	30.02	68.20	22.70	H
5114.140	60.05	-27.79	34.00	53.84	74.00	13.95	V
5114.100	59.63	-27.79	34.00	53.42	74.00	14.37	H

Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17547.900	45.87	-29.39	44.90	30.37	68.20	22.33	V
17008.900	45.80	-29.38	40.85	34.33	68.20	22.40	H
13955.850	43.62	-30.81	41.40	33.03	68.20	24.58	V
13900.300	43.46	-31.25	41.30	33.41	68.20	24.74	V
5431.765	55.64	-27.94	34.30	49.28	74.00	18.36	V
5463.370	55.76	-27.49	34.20	49.05	68.20	12.44	H

Conclusion: PASS

Band edge compliance

Full RU

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.1	P
	5320 MHz	Fig.2	P
	5500 MHz	Fig.3	P
	5700 MHz	Fig.4	P
802.11n HT20	5180 MHz	Fig.5	P
	5320 MHz	Fig.6	P
	5500 MHz	Fig.7	P
	5700 MHz	Fig.8	P
802.11n HT40	5190 MHz	Fig.9	P
	5310 MHz	Fig.10	P
	5510 MHz	Fig.11	P
	5670 MHz	Fig.12	P
802.11ac HT20	5180 MHz	Fig.13	P
	5320 MHz	Fig.14	P
	5500 MHz	Fig.15	P
	5700 MHz	Fig.16	P
802.11ac HT40	5190 MHz	Fig.17	P
	5310 MHz	Fig.18	P
	5510 MHz	Fig.19	P
	5670 MHz	Fig.20	P
802.11ac HT80	5210MHz	Fig.21	P
	5290MHz	Fig.22	P
	5530MHz	Fig.23	P
	5610MHz	Fig.24	P
802.11ax HT20	5180 MHz	Fig.25	P
	5320 MHz	Fig.26	P
	5500 MHz	Fig.27	P
	5700 MHz	Fig.28	P
802.11ax HT40	5190 MHz	Fig.29	P
	5310 MHz	Fig.30	P
	5510 MHz	Fig.31	P
	5670 MHz	Fig.32	P
802.11ax HT80	5210 MHz	Fig.33	P
	5290 MHz	Fig.34	P
	5530 MHz	Fig.35	P
	5610 MHz	Fig.36	P
802.11ax HT160	5250 MHz	Fig.37	P
	5570 MHz	Fig.38	P

Partial RU

Mode	Channel	RU	Test Results	Conclusion
802.11ax HT20	5180 MHz	26RU index 0	Fig.39	P
	5320 MHz	26RU index 8	Fig.40	P
	5500 MHz	26RU index 0	Fig.41	P
	5700 MHz	26RU index 8	Fig.42	P
802.11ax HT40	5190 MHz	26RU index 0	Fig.43	P
	5310 MHz	26RU index 17	Fig.44	P
	5510 MHz	26RU index 0	Fig.45	P
	5670 MHz	26RU index 17	Fig.46	P
802.11ax HT80	5210 MHz	26RU index 0	Fig.47	P
	5290 MHz	26RU index 36	Fig.48	P
	5530 MHz	26RU index 0	Fig.49	P
	5610 MHz	26RU index 36	Fig.50	P
802.11ax HT160	5250 MHz	26RU index 0	Fig.51	P
	5570 MHz	26RU index 72	Fig.52	P

Conclusion: PASS

Test graphs as below:

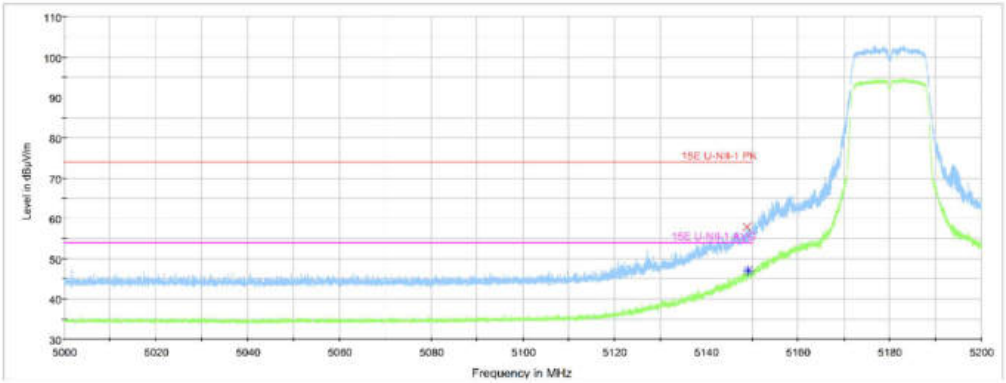

Fig. 1 Band Edges (802.11a,Ch36, 5180MHz, CHAIN 0)

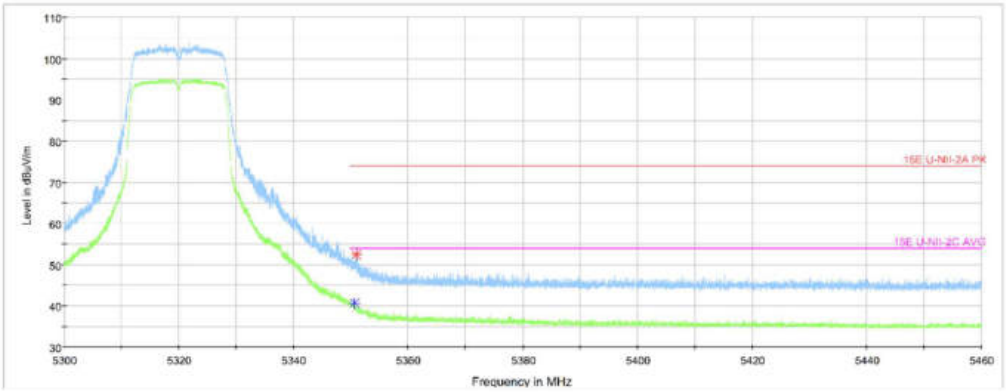

Fig. 2 Band Edges (802.11a, Ch64, 5320MHz, CHAIN 0)

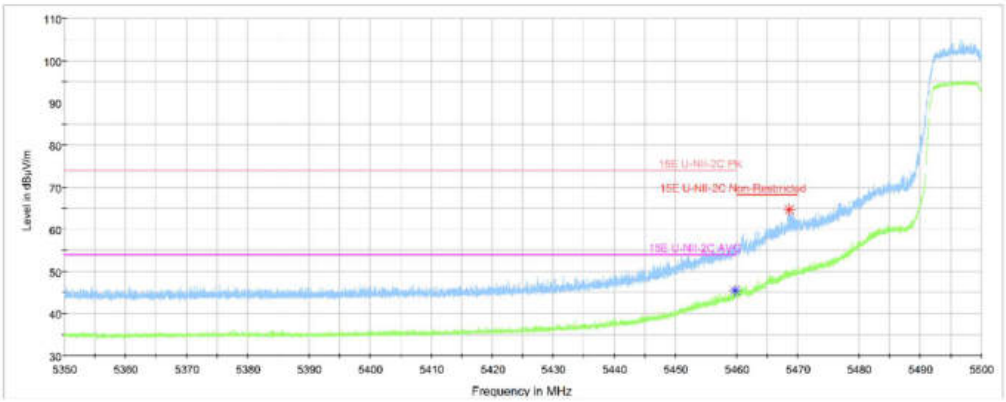

Fig. 3 Band Edges (802.11a, Ch100, 5500MHz, CHAIN 0)

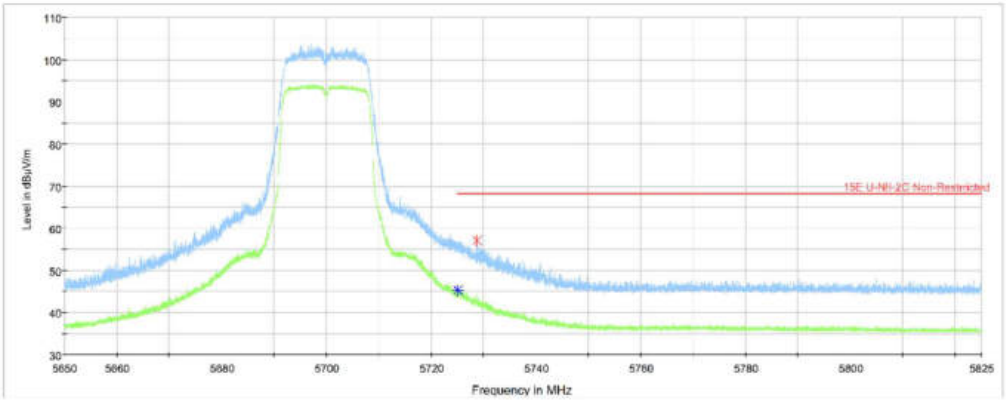

Fig. 4 Band Edges (802.11a, Ch140, 5700MHz, CHAIN 0)

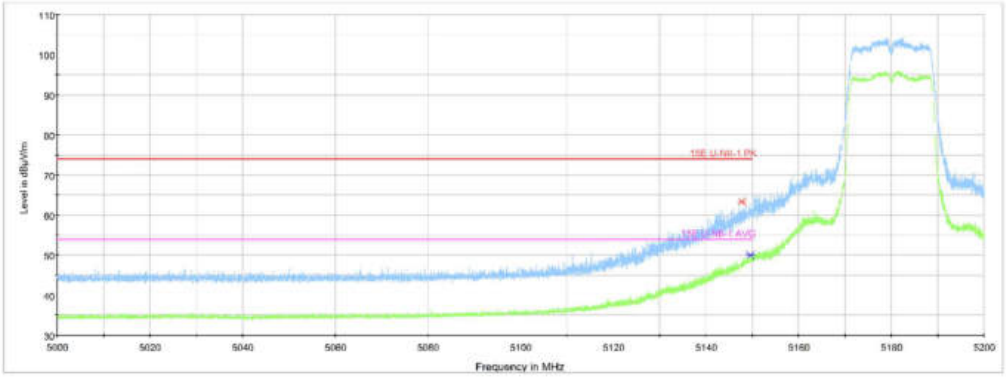

Fig. 5 Band Edges (802.11n-HT20, Ch36, 5180MHz, MIMO)

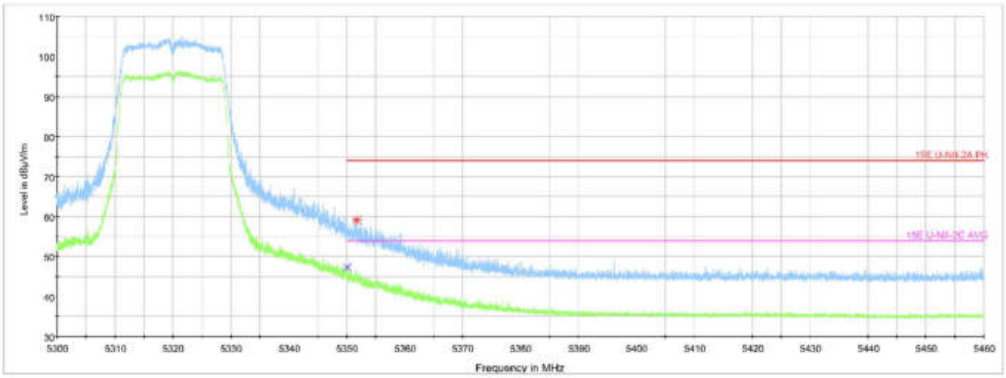

Fig. 6 Band Edges (802.11n-HT20 , Ch64, 5320MHz, MIMO)

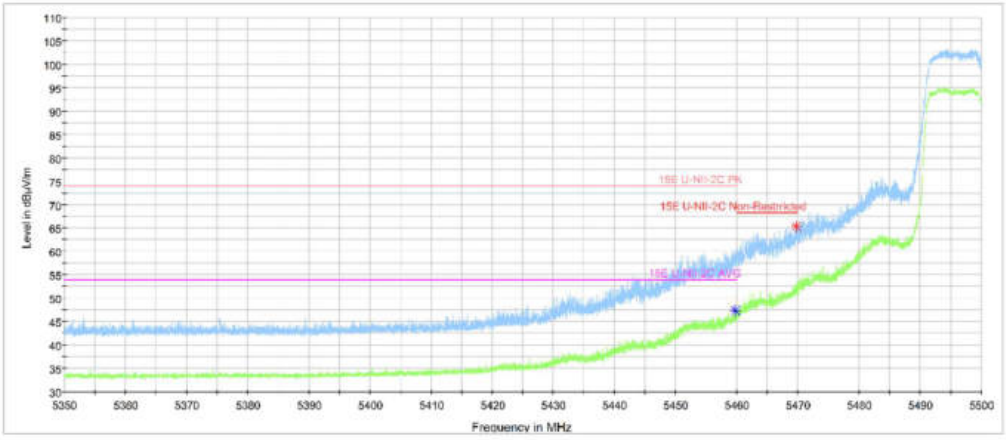

Fig. 7 Band Edges (802.11n-HT20 , Ch100, 5500MHz, MIMO)

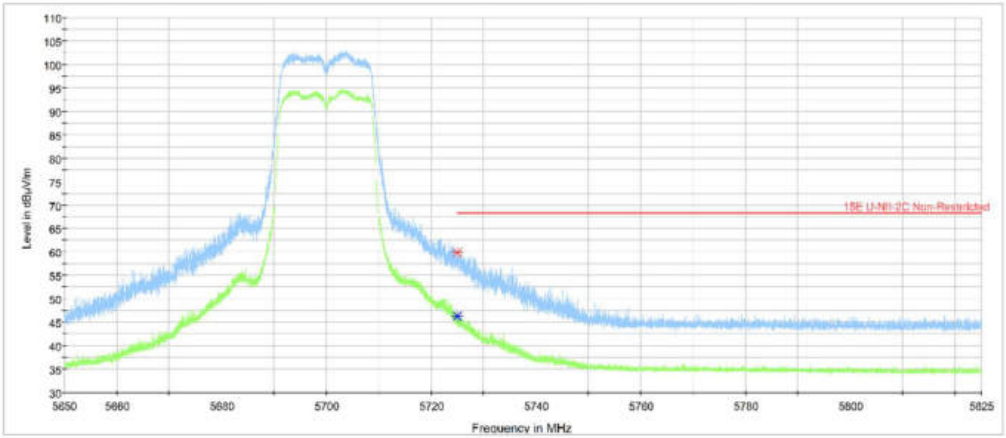

Fig. 8 Band Edges (802.11n-HT20 , Ch140, 5700MHz, MIMO)

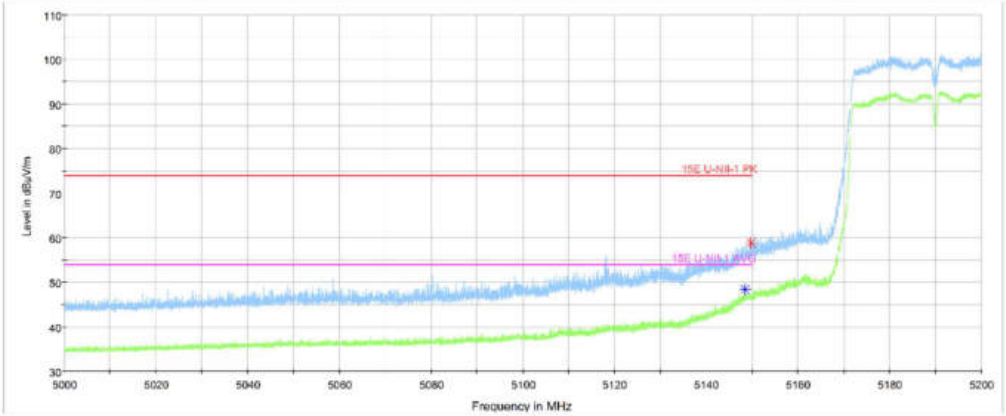

Fig. 9 Band Edges (802.11n-HT40 , Ch38, 5190MHz, MIMO)

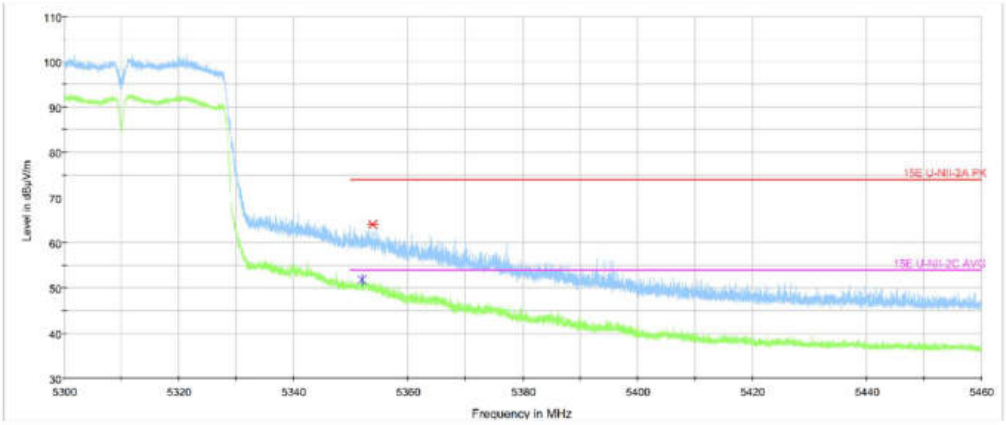

Fig. 10 Band Edges (802.11n-HT40 , Ch62, 5310MHz, MIMO)

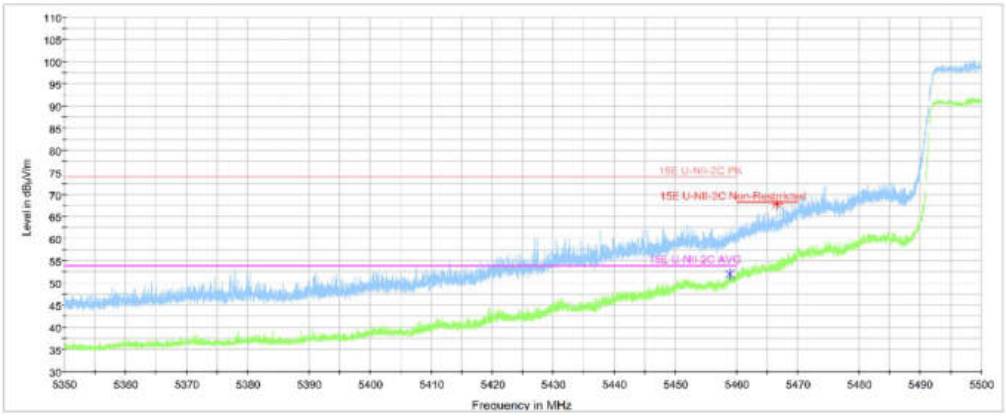

Fig. 11 Band Edges (802.11n-HT40 , Ch102, 5510MHz, MIMO)

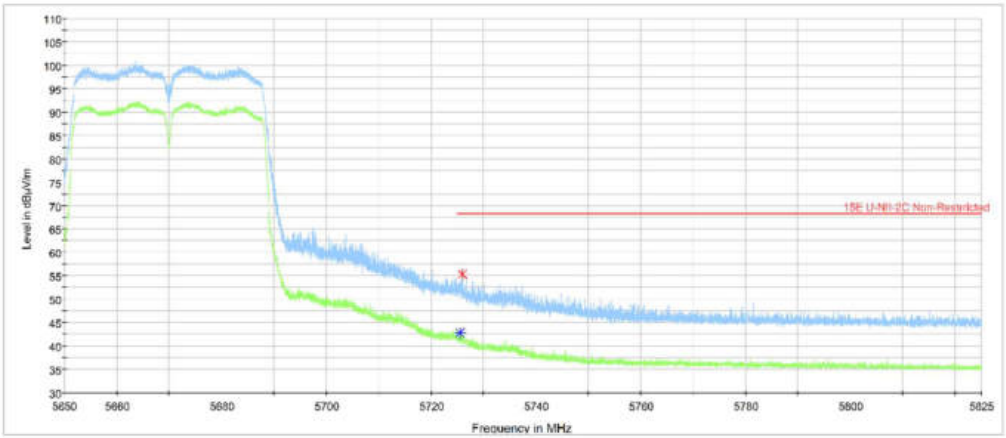

Fig. 12 Band Edges (802.11n-HT40 , Ch134, 5670MHz, MIMO)

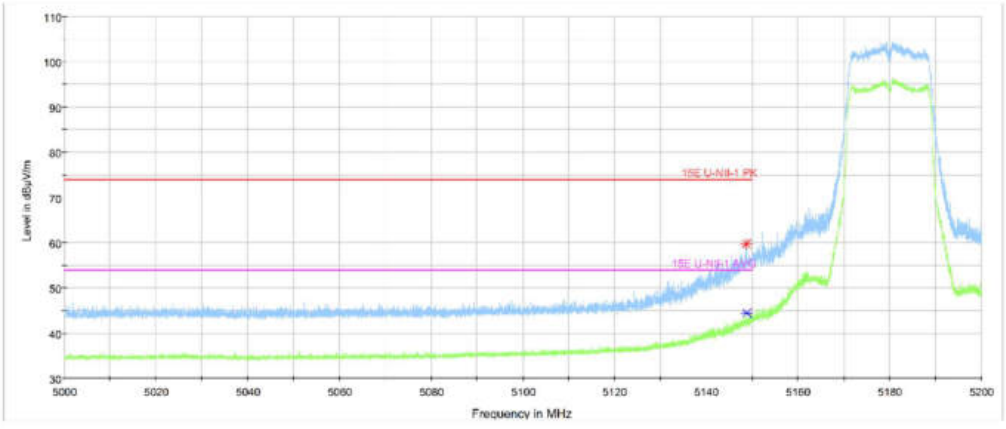

Fig. 13 Band Edges (802.11ac-HT20 , Ch36, 5180MHz, MIMO)

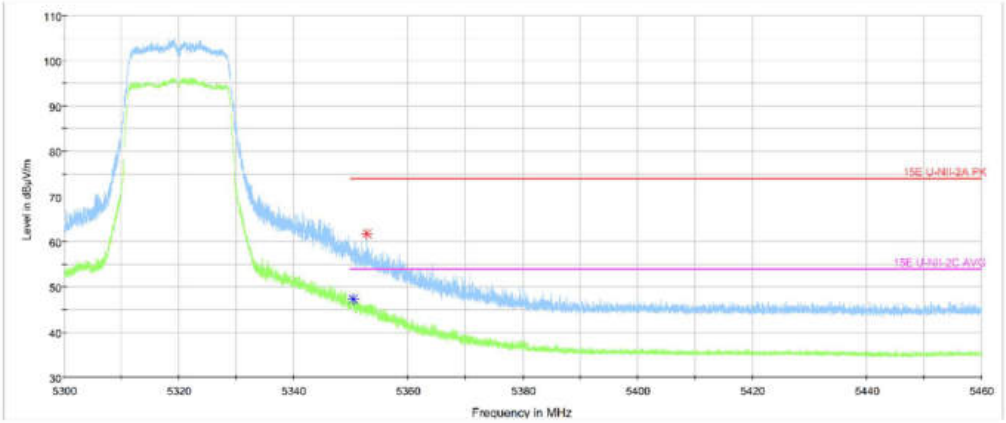

Fig. 14 Band Edges (802.11ac-HT20 , Ch64, 5320MHz, MIMO)

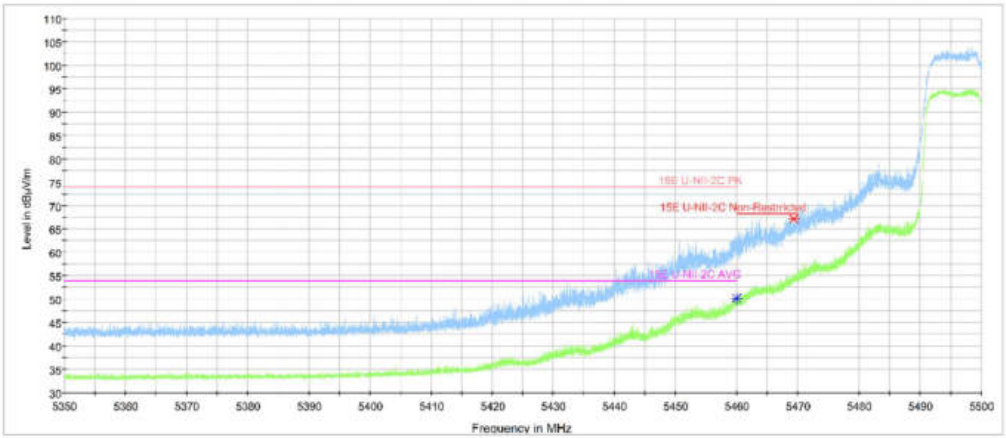

Fig. 15 Band Edges (802.11ac-HT20 , Ch100, 5500MHz, MIMO)

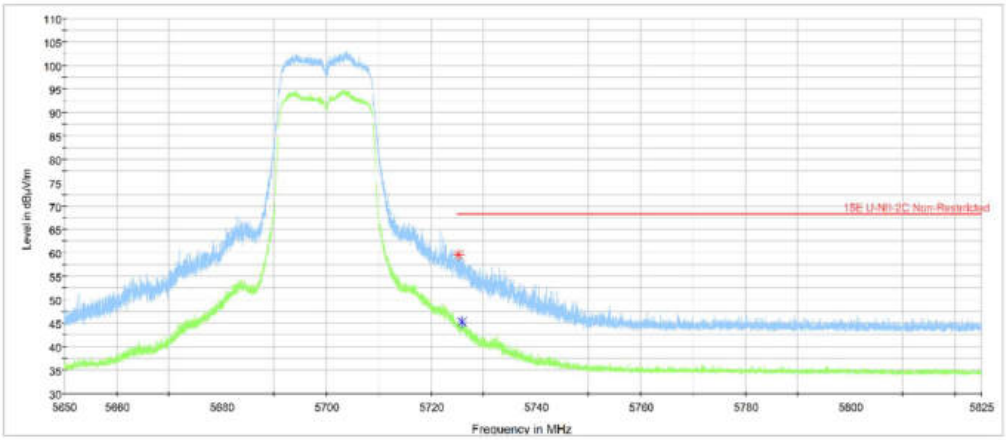

Fig. 16 Band Edges (802.11ac-HT20 , Ch140, 5700MHz, MIMO)

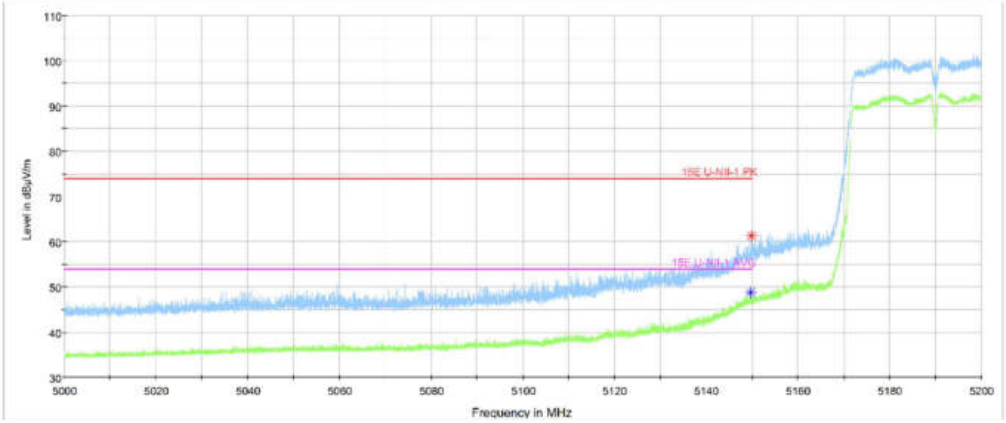

Fig. 17 Band Edges (802.11ac-HT40 , Ch38, 5190MHz, MIMO)

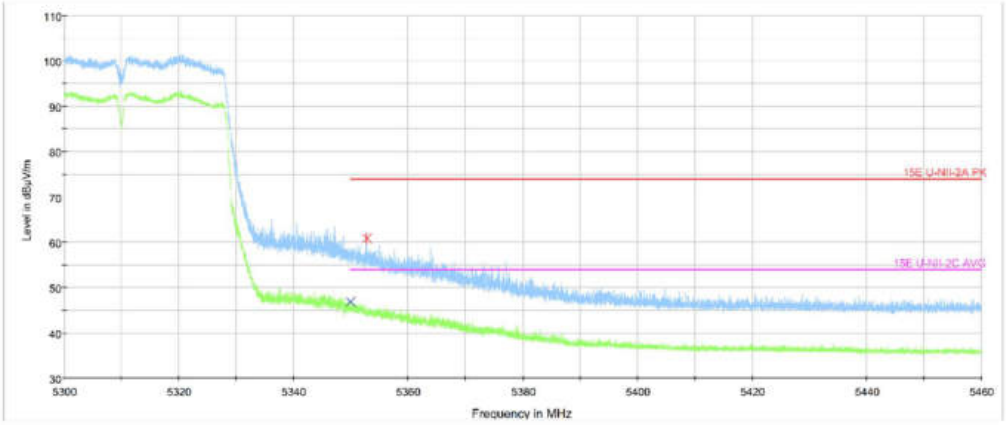

Fig. 18 Band Edges (802.11ac-HT40 , Ch62, 5310MHz, MIMO)

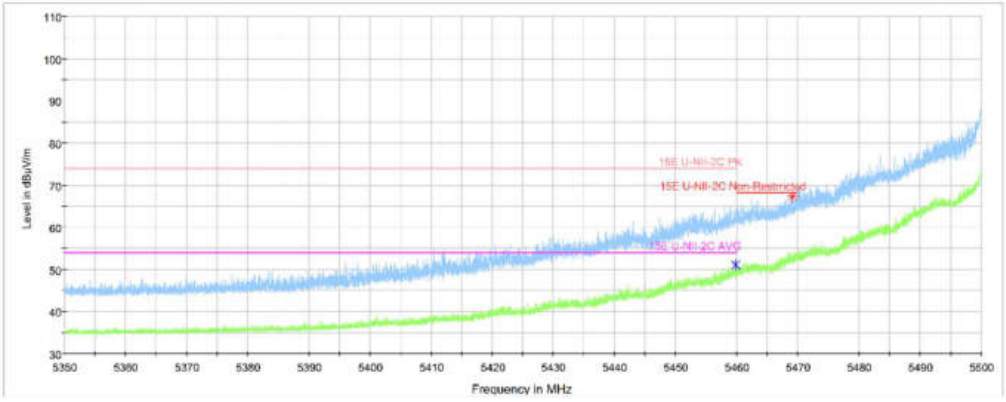

Fig. 19 Band Edges (802.11ac-HT40 , Ch102, 5510MHz, MIMO)