FCC PART 15E
TEST REPORT
No.24T04Z102937-013

for

TCL Communication Ltd.

Tablet PC

9469X

FCC ID:2ACCJB230

with

Hardware Version: 05

Software Version: 1R13

Issued Date: 2025-01-16

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

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04Z102937-013	Rev.0	1st edition	2025-01-16

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(BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology Development Area, Beijing, P. R. China 100176

1.3. Testing Environment

Normal Temperature: 15-35°C

Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2024-12-16

Testing End Date: 2025-01-16

1.5. Signature

姚兴宇

Yao Xingyu

(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:	TCL Communication Ltd.
Address/Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
City:	Hong Kong
Postal Code:	/
Country:	China
Contact Person:	Ting Wang
Contact Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax:	0086-755-36612000-81722

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address/Post:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
City:	Hong Kong
Postal Code:	/
Country:	China
Contact Person:	Ting Wang
Contact Email:	ting.wang.hz@tcl.com
Telephone:	+86 752 2639091
Fax:	0086-755-36612000-81722

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

3.1. About EUT

Description	Tablet PC
Model name	9469X
FCC ID	2ACCJB230
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Normal Voltage	3.8V
Extreme High Voltage	4.45V
Extreme Low Voltage	3.4V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT01a	LV7XYLORKRLNNRQW	05	1R13	2024-12-18
UT31a	4PW46X5XOFIBCAHQ	05	1R13	2024-12-30

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

UT01a is used for Conduction test, UT31a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacturer
AE1	Battery	TLp078D5	Hunan Gaoyuan Battery Co.,Ltd.
AE2	Charger	QC16US	ShenZhen BaiJunDa Electronics Co.Ltd
AE3	USB Cable1	JWUB1799-YT01R	JUWEI

*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 Tablet PC 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

Note:UNII: KDB 789033 D02 is not in the scope of ISO/IEC 17025 accreditation by A2LA.

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**
26dB Emission 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	3.8V
Humidity	44%

7. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2025-04-30
2	Test Receiver	ESCI	100766	R&S	1 year	2025-04-18
3	LISN	ENV216	101459	R&S	1 year	2025-05-16
4	Attenuator	10dB/2W	/	Rosenberger	/	/
5	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESU26	100376	R&S	1 year	2025-06-06
2	EMI Antenna	VULB 9163	01177	SCHWARZBECK	1 year	2025-11-19
3	EMI Antenna	3117	00119021	ETS-Lindgren	1 year	2025-09-18
4	EMI Antenna	LB-180400 -25-C-KF	211008400 0006	A-INFO	1 year	2025-05-15
5	Bluetooth Tester	CMW500	159408	R&S	1 year	2025-02-26
6	EMI Antenna	3115	00146404	ETS-Lindgren	1 year	2025-05-16

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

Frequency Range	Uncertainty(dB) (k=2)
9kHz-30MHz	/
30MHz ≤ f ≤ 1GHz	5.73
1GHz ≤ f ≤18GHz	5.58
18GHz ≤ f ≤40GHz	3.37

8.7 AC Power-line Conducted Emission

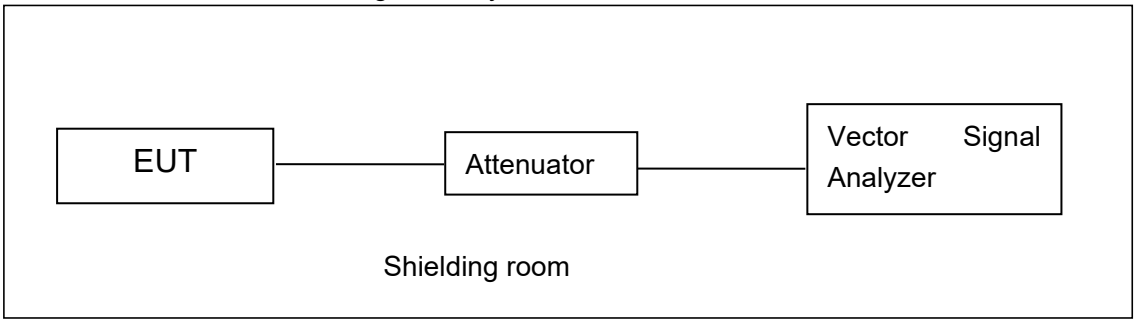
Measurement Uncertainty : 3.10dB,k=2

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

Antenna gain is -0.5dBi and the value is supplied by the applicant or manufacturer.

A.2.2 Maximum output Power-Conducted

EUT ID: UT01a

Measurement Results:

802.11a mode

Mode	Frequency	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz	16.50	/	/	/	/	/	/	/
	5200MHz	16.61	/	/	/	/	/	/	/
	5240MHz	16.72	/	/	/	/	/	/	/
	5260MHz	17.10	/	/	/	/	/	/	/
	5280MHz	16.94	/	/	/	/	/	/	/
	5320MHz	17.35	/	/	/	/	/	/	/
	5500MHz	17.88	/	/	/	/	/	/	/
	5580MHz	17.30	/	/	/	/	/	/	/
	5700MHz	17.32	/	/	/	/	/	/	/
	5720MHz	17.59	/	/	/	/	/	/	/

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	16.00	/	/	/	/	/	/	/
	5200MHz	16.14	/	/	/	/	/	/	/
	5240MHz	16.11	/	/	/	/	/	/	/
	5260MHz	16.58	/	/	/	/	/	/	/
	5280MHz	16.36	/	/	/	/	/	/	/
	5320MHz	16.75	/	/	/	/	/	/	/
	5500MHz	17.29	/	/	/	/	/	/	/

	5580MHz	16.78	/	/	/	/	/	/	/
	5700MHz	15.86	/	/	/	/	/	/	/
	5720MHz	16.99	/	/	/	/	/	/	/

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	15.51	/	/	/	/	/	/	/	/
	5200MHz	15.69	/	/	/	/	/	/	/	/
	5240MHz	15.68	/	/	/	/	/	/	/	/
	5260MHz	16.21	/	/	/	/	/	/	/	/
	5280MHz	15.99	/	/	/	/	/	/	/	/
	5320MHz	16.27	/	/	/	/	/	/	/	/
	5500MHz	16.82	/	/	/	/	/	/	/	/
	5580MHz	16.23	/	/	/	/	/	/	/	/
	5700MHz	17.43	/	/	/	/	/	/	/	/
	5720MHz	16.51	/	/	/	/	/	/	/	/

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	15.77	/	/	/	/	/	/	/
	5230MHz	15.63	/	/	/	/	/	/	/
	5270MHz	15.95	/	/	/	/	/	/	/
	5310MHz	16.16	/	/	/	/	/	/	/
	5510MHz	15.78	/	/	/	/	/	/	/
	5550MHz	16.98	/	/	/	/	/	/	/
	5670MHz	16.95	/	/	/	/	/	/	/
	5710MHz	17.24	/	/	/	/	/	/	/

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	15.24	/	/	/	/	/	/	/	/	/
	5230MHz	15.28	/	/	/	/	/	/	/	/	/
	5270MHz	15.82	/	/	/	/	/	/	/	/	/
	5310MHz	16.14	/	/	/	/	/	/	/	/	/
	5510MHz	15.28	/	/	/	/	/	/	/	/	/
	5550MHz	16.51	/	/	/	/	/	/	/	/	/
	5670MHz	16.37	/	/	/	/	/	/	/	/	/
	5710MHz	16.67	/	/	/	/	/	/	/	/	/

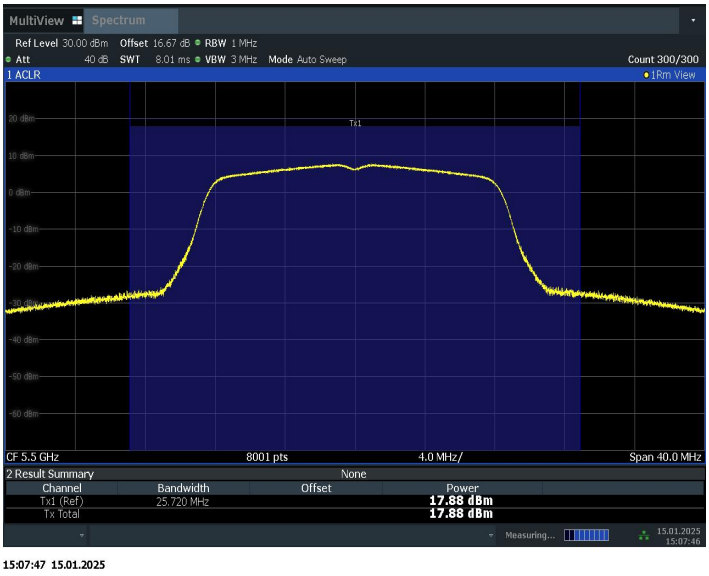
The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

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	15.36	/	/	/	/	/	/	/	/	/
	5290MHz	15.51	/	/	/	/	/	/	/	/	/
	5530MHz	15.42	/	/	/	/	/	/	/	/	/
	5610MHz	16.12	/	/	/	/	/	/	/	/	/
	5690MHz	16.72	/	/	/	/	/	/	/	/	/

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 100%



Maximum output Power：11a CH100

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

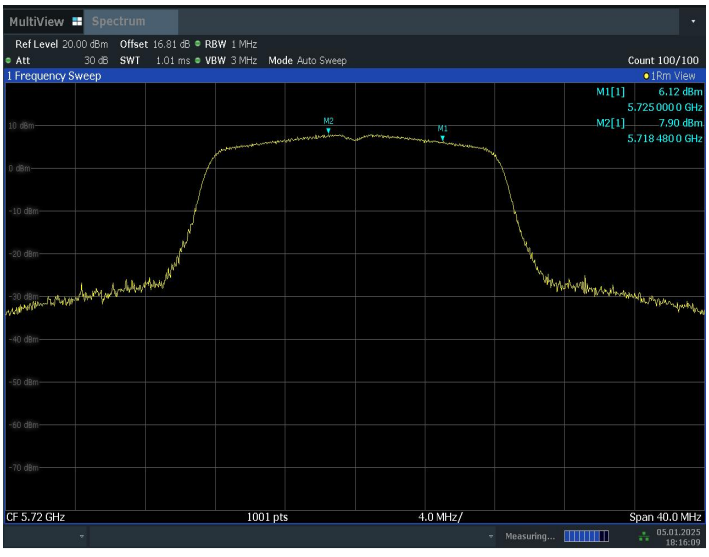
The output power measurement method Section F is made according to KDB 789033

EUT ID: UT01a

Measurement Results:

TestMode	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	6.21	≤11.00	PASS
	5200	6.40	≤11.00	PASS
	5240	6.57	≤11.00	PASS
	5260	6.87	≤11.00	PASS
	5280	6.66	≤11.00	PASS
	5320	7.16	≤11.00	PASS
	5500	7.63	≤11.00	PASS
	5580	7.26	≤11.00	PASS
	5700	7.00	≤11.00	PASS
	5720	7.90	≤11.00	PASS

11N40SISO	5190	2.60	≤11.00	PASS
	5230	2.81	≤11.00	PASS
	5270	2.78	≤11.00	PASS
	5310	3.04	≤11.00	PASS
	5510	2.80	≤11.00	PASS
	5550	3.95	≤11.00	PASS
	5670	3.69	≤11.00	PASS
	5710	4.23	≤11.00	PASS
11AC20SISO	5180	5.13	≤11.00	PASS
	5200	5.24	≤11.00	PASS
	5240	5.38	≤11.00	PASS
	5260	5.81	≤11.00	PASS
	5280	5.56	≤11.00	PASS
	5320	5.89	≤11.00	PASS
	5500	6.43	≤11.00	PASS
	5580	5.66	≤11.00	PASS
	5700	7.07	≤11.00	PASS
	5720	6.80	≤11.00	PASS
11AC80SISO	5210	-0.96	≤11.00	PASS
	5290	-0.96	≤11.00	PASS
	5530	-1.29	≤11.00	PASS
	5610	0.19	≤11.00	PASS
	5690	0.45	≤11.00	PASS



18:16:10 05.01.2025

Peak Power Spectral Density:11a CH140

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: UT01a

Measurement Result:

TestMode	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	5180	25.68	5167.24	5192.92	---	---
	5200	26.52	5187.32	5213.84	---	---
	5240	26.68	5227.52	5254.20	---	---
	5260	24.44	5247.16	5271.60	---	---
	5280	26.36	5267.64	5294.00	---	---
	5320	23.72	5307.40	5331.12	---	---
	5500	26.60	5487.52	5514.12	---	---
	5580	26.60	5567.00	5593.60	---	---
	5700	21.00	5689.68	5710.68	---	---
	5720	27.32	5706.84	5734.16	---	---
11N40SISO	5190	40.96	5169.52	5210.48	---	---
	5230	43.44	5208.80	5252.24	---	---
	5270	53.12	5246.24	5299.36	---	---
	5310	49.92	5280.64	5330.56	---	---
	5510	41.12	5489.52	5530.64	---	---
	5550	51.04	5522.40	5573.44	---	---
	5670	42.32	5648.56	5690.88	---	---
	5710	46.88	5686.72	5733.60	---	---
11AC20SISO	5180	24.96	5167.32	5192.28	---	---
	5200	21.20	5189.64	5210.84	---	---
	5240	23.12	5229.72	5252.84	---	---
	5260	23.68	5247.08	5270.76	---	---
	5280	22.56	5269.68	5292.24	---	---
	5320	24.00	5307.32	5331.32	---	---
	5500	22.92	5489.28	5512.20	---	---
	5580	22.92	5568.68	5591.60	---	---
	5700	23.04	5687.40	5710.44	---	---
	5720	25.76	5707.36	5733.12	---	---
11AC80SISO	5210	110.72	5156.72	5267.44	---	---
	5290	96.48	5241.36	5337.84	---	---

	5530	92.96	5477.68	5570.64	---	---
	5610	104.64	5555.76	5660.40	---	---
	5690	95.84	5641.84	5737.68	---	---

Test graphs as below:

11A_5180

15:13:16 15.01.2025

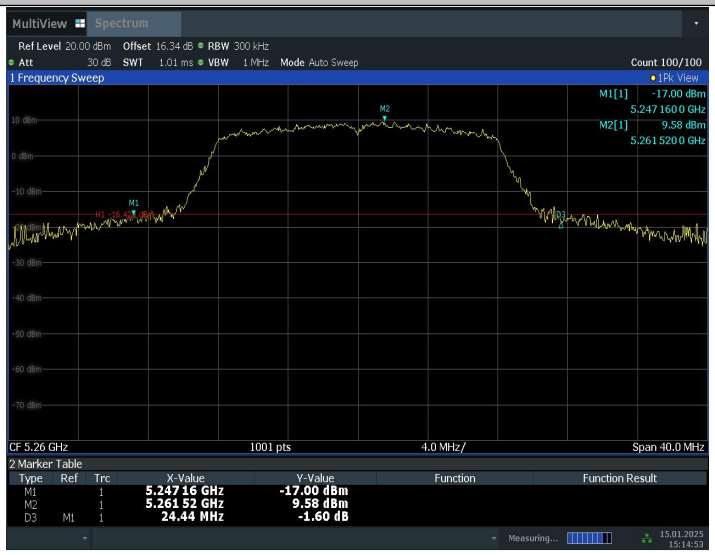
11A_5200

15:14:09 15.01.2025

11A_5240

15:14:31 15.01.2025

11A_5260



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11A_5280

15:15:17 15.01.2025

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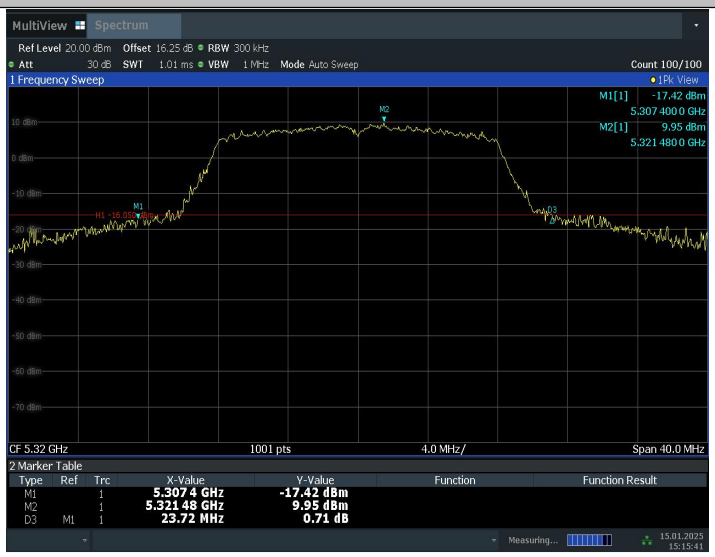 15:15:41 15.01.2025
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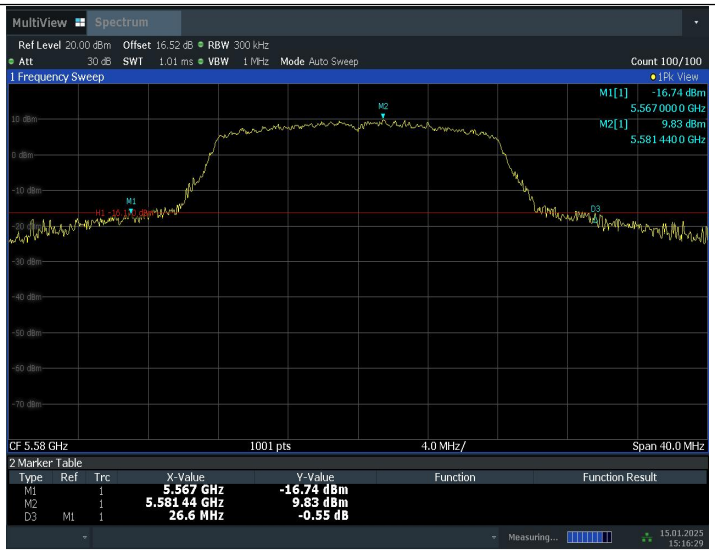
 15:16:03 15.01.2025
11A_5580



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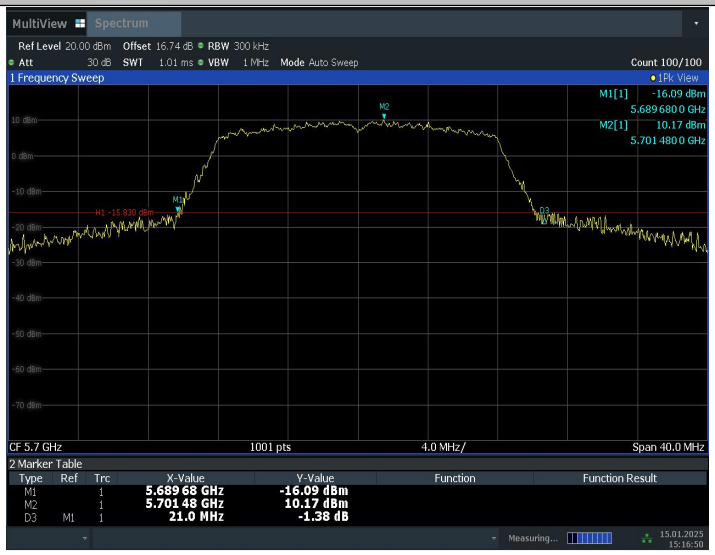

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11A_5720

15:17:14 15.01.2025

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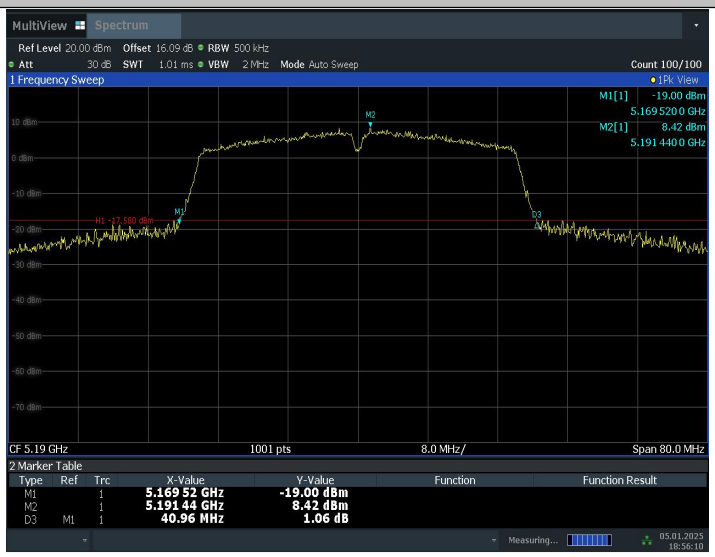 18:56:10 05.01.2025
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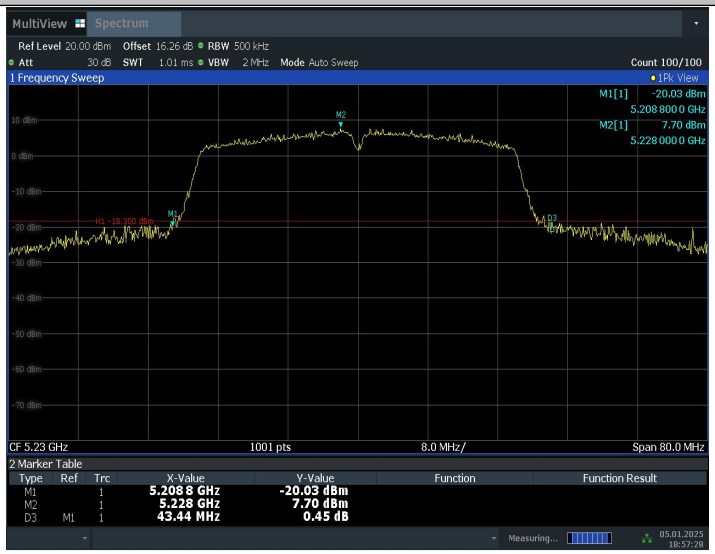 18:57:28 05.01.2025
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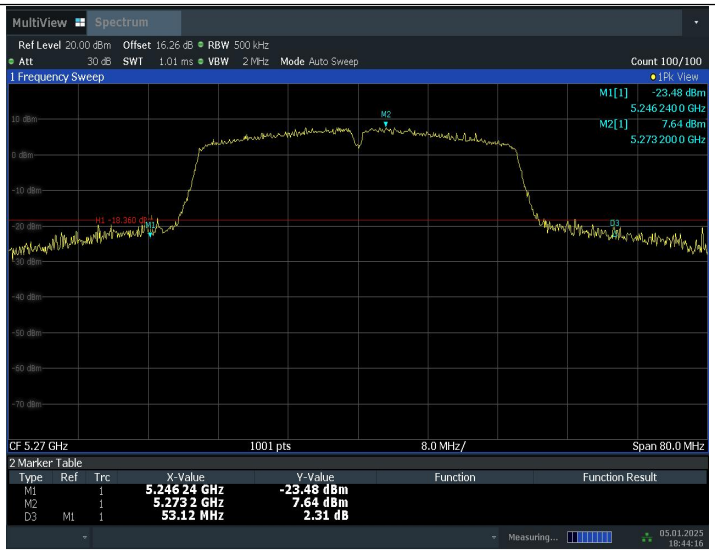

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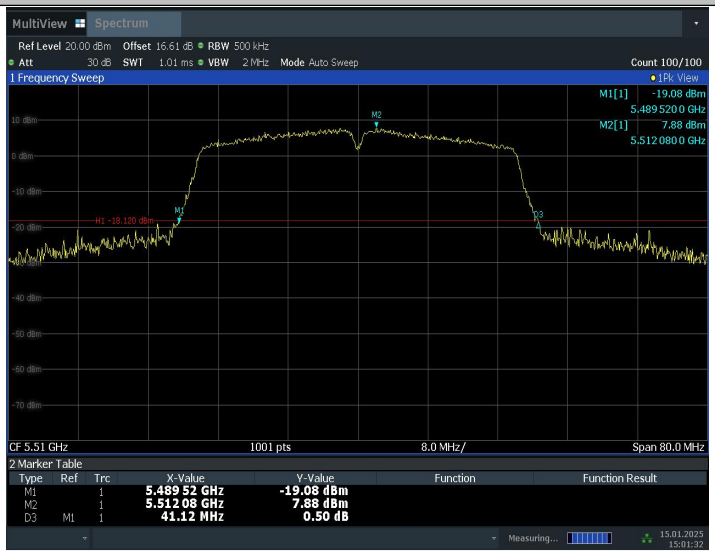

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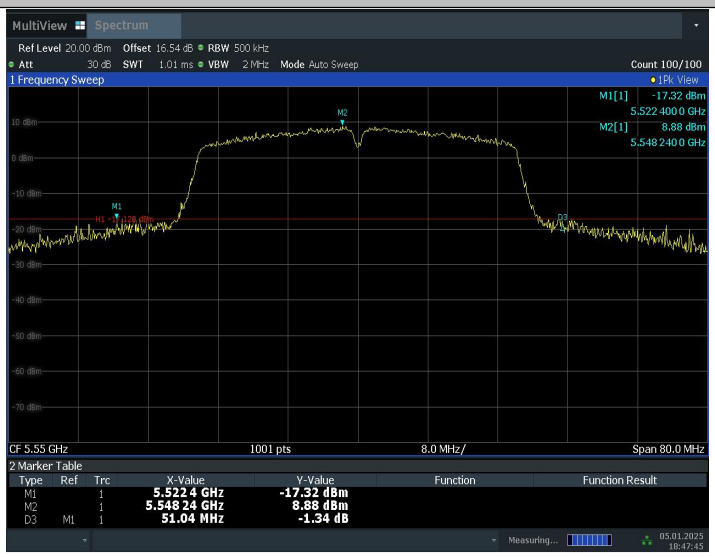

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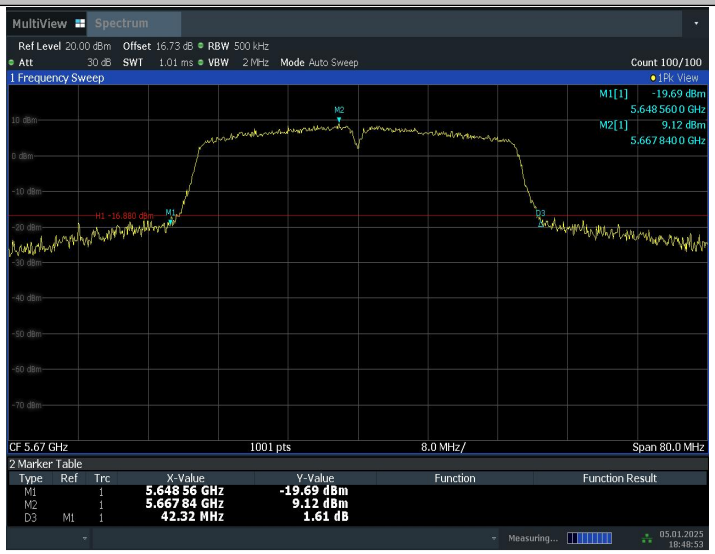

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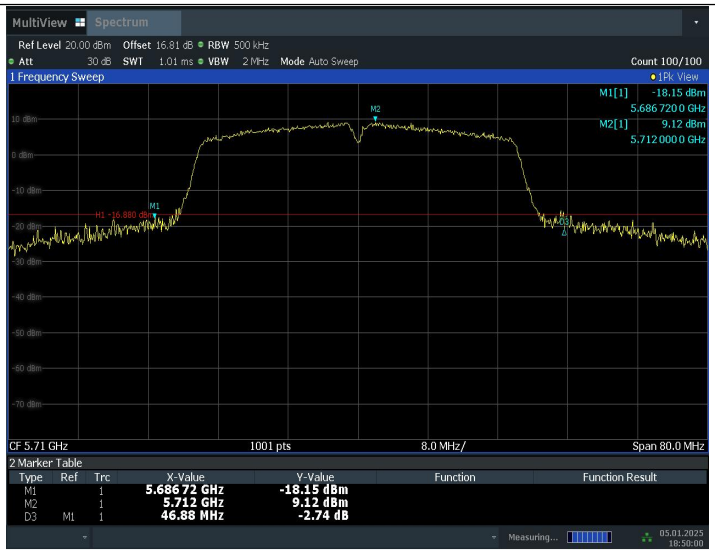

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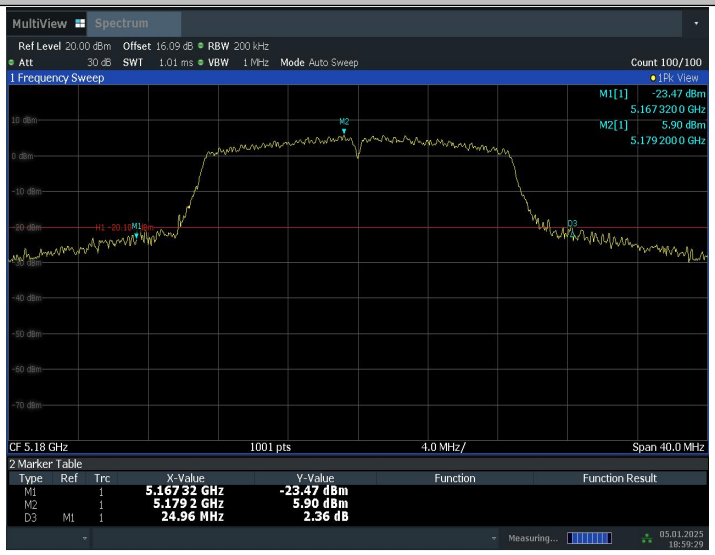

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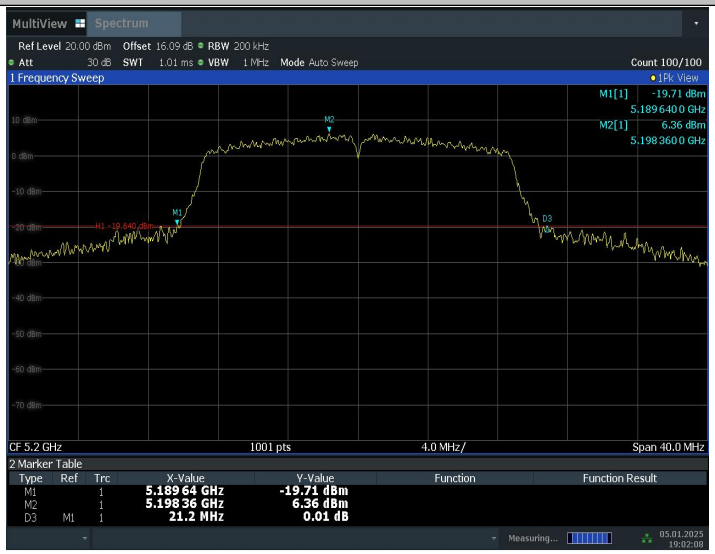

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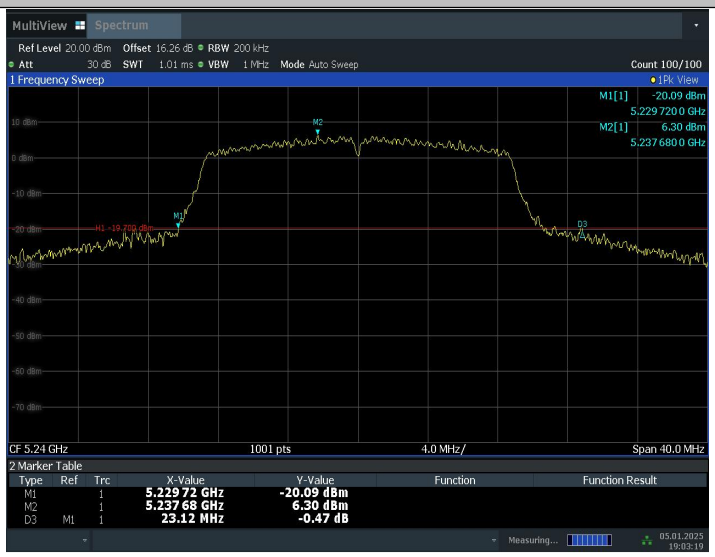 19:03:19 05.01.2025
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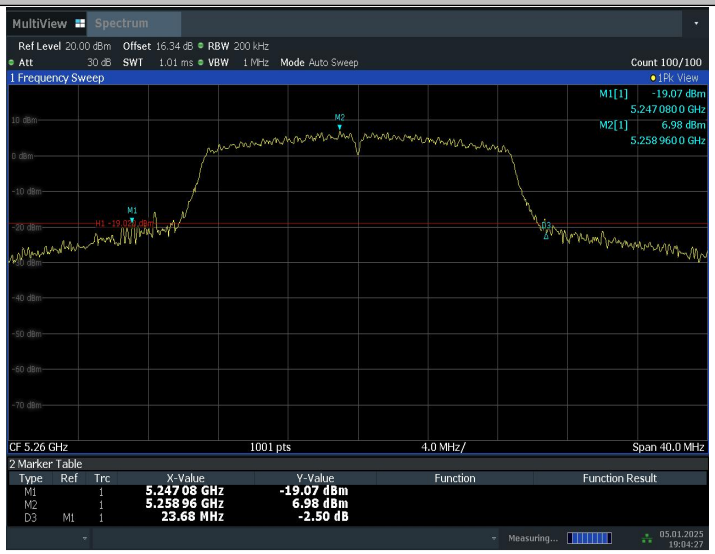 19:04:28 05.01.2025
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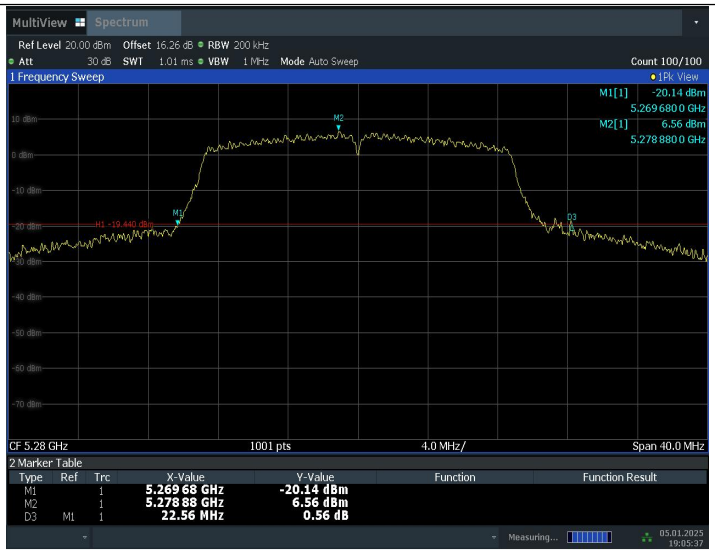

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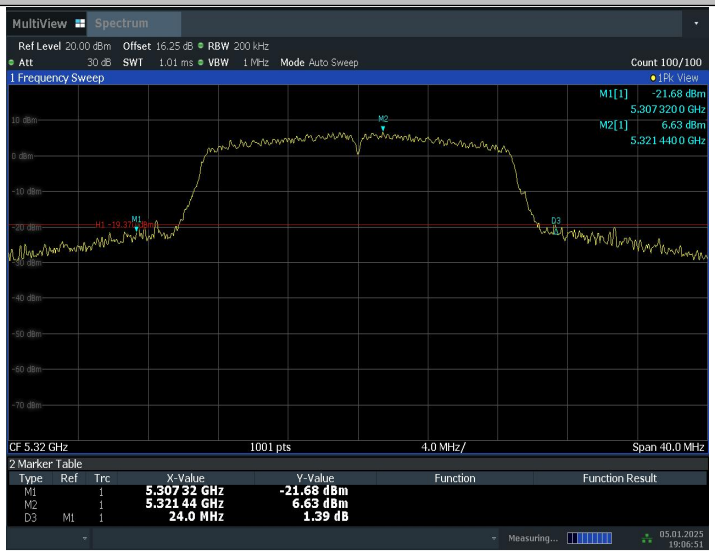

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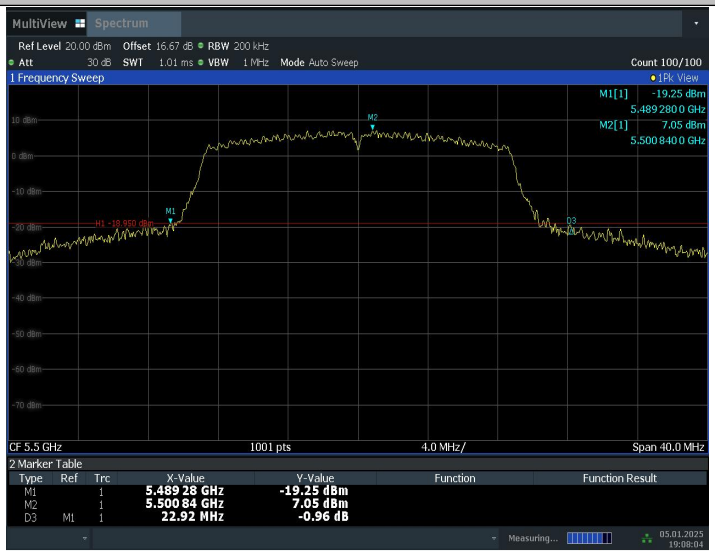

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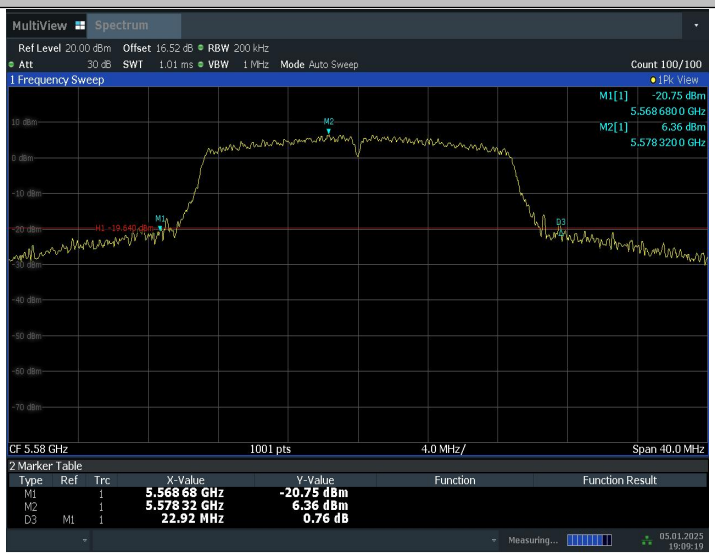

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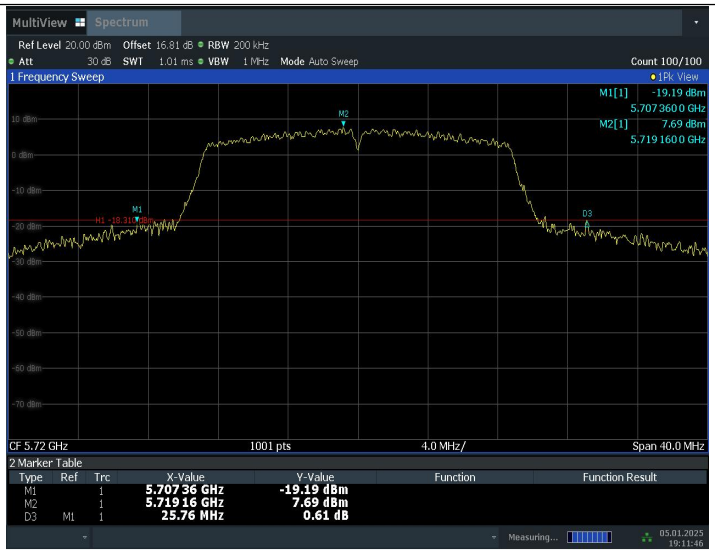

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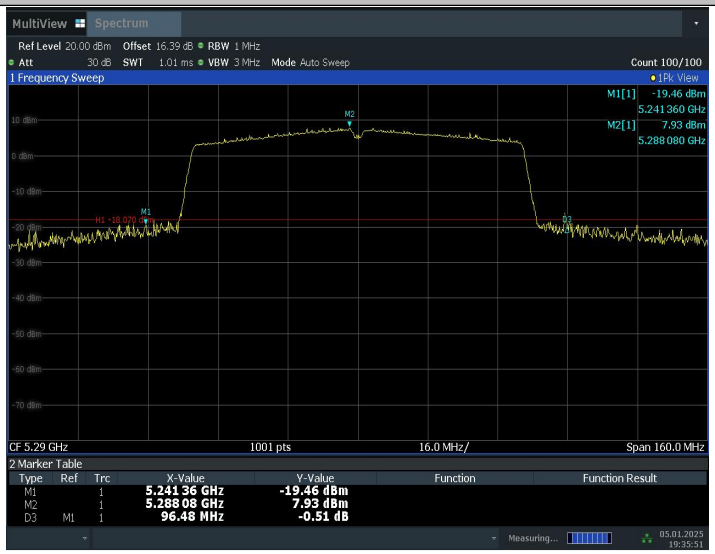

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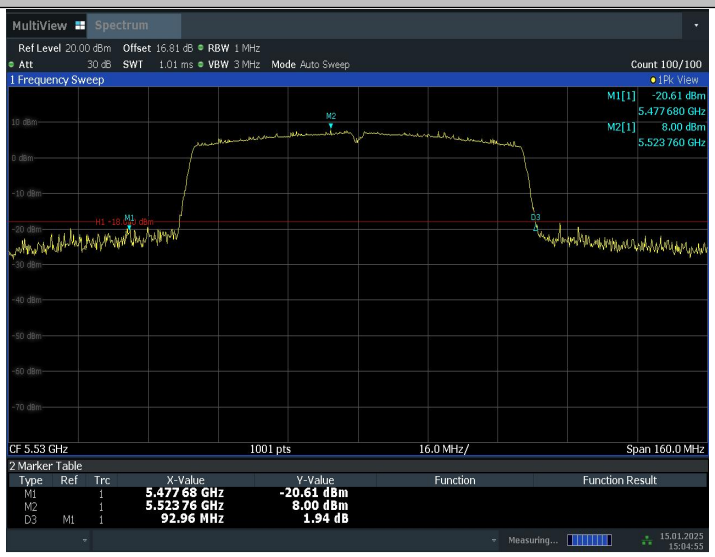

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19:38:18 05.01.2025

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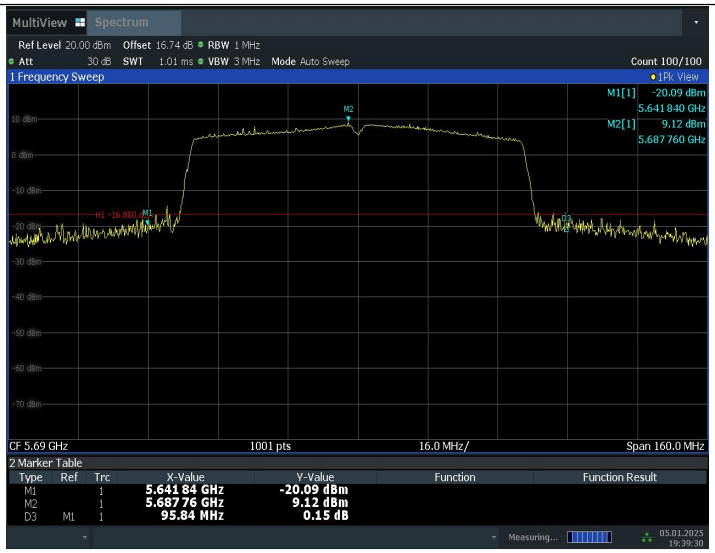

19:39:30 05.01.2025

Conclusion: PASS

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

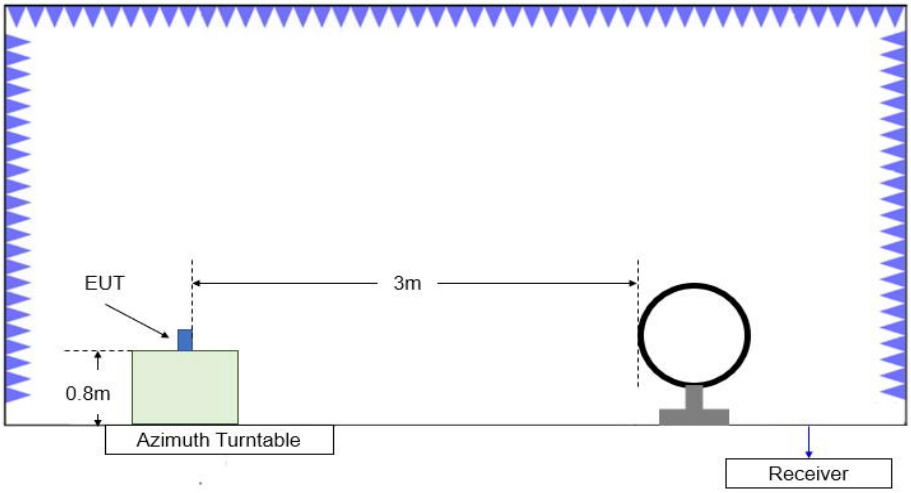

Figure A.5.1. Test Site Diagram (9kHz-30MHz)

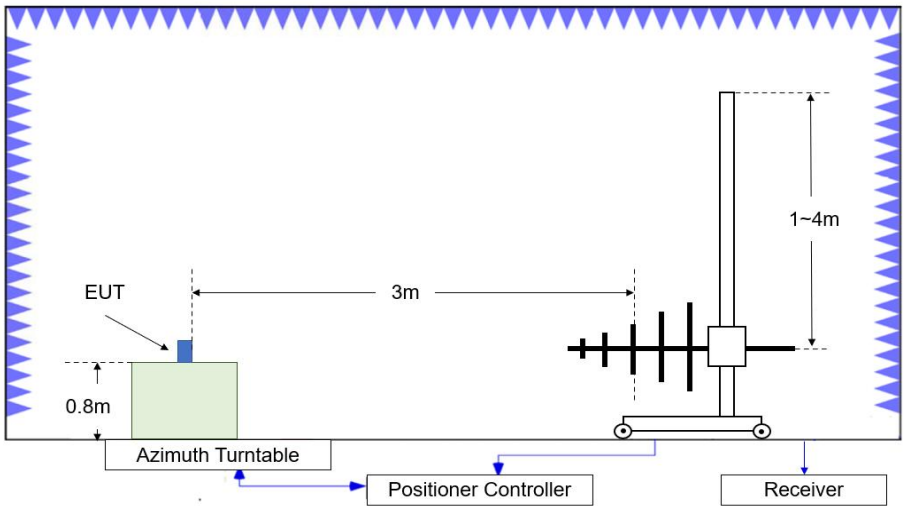

Figure A.5.2. Test Site Diagram (30MHz-1GHz)

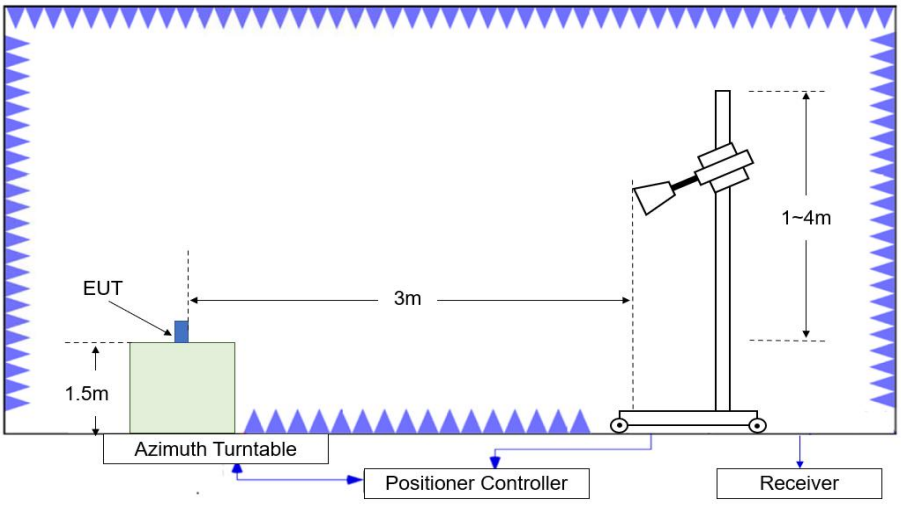

Figure A.5.3. Test Site Diagram (1GHz-40GHz)

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. The low/mid/high channels of UNII-1/2A/2C are all evaluated, only worst cases are reported.
7. No spurious emissions were detected within 20Db of the limit below 30MHz. OFS and semi-chamber comparison testing had been performed and the result came out very similar. (KDB 414788)

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)
5148.850	44.78	-23.15	34.00	33.93	54.00	9.22	V
5149.450	44.84	-23.16	34.00	34.00	54.00	9.16	V
10968.000	34.85	-29.15	37.84	26.16	54.00	19.15	V
15540.000	37.64	-24.38	40.40	21.61	54.00	16.36	V
17888.800	39.38	-20.98	40.51	19.85	54.00	14.62	V
17950.000	39.49	-20.82	40.55	19.76	54.00	14.51	H

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)
5361.750	44.50	-22.79	34.15	33.14	54.00	9.50	V
5369.450	44.73	-22.54	34.18	33.09	54.00	9.27	V
10640.000	34.11	-29.12	37.64	25.60	54.00	19.89	H
15960.000	38.08	-23.44	40.84	20.68	54.00	15.92	H
17950.000	39.36	-20.82	40.55	19.64	54.00	14.64	V
17989.600	39.20	-21.02	40.59	19.63	54.00	14.80	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)
5455.350	45.15	-22.54	34.48	33.21	54.00	8.85	V
5457.950	45.18	-22.50	34.47	33.21	54.00	8.82	V
11000.000	34.85	-28.94	37.90	25.89	54.00	19.15	H
16098.800	38.50	-23.49	41.10	20.90	54.00	15.50	V
17889.200	39.58	-20.98	40.51	20.05	54.00	14.42	H
17948.800	39.62	-20.90	40.55	19.97	54.00	14.38	H

802.11n-HT20

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)
5148.650	44.95	-23.15	34.00	34.09	54.00	9.05	V
5149.700	44.91	-23.16	34.00	34.07	54.00	9.09	V
10984.800	35.04	-28.91	37.87	26.08	54.00	18.96	V
15540.000	38.08	-24.38	40.40	22.06	54.00	15.92	V
17883.600	40.15	-20.96	40.52	20.60	54.00	13.85	V
17951.200	40.23	-20.84	40.55	20.52	54.00	13.77	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)
5350.250	44.78	-23.09	34.10	33.77	54.00	9.22	V
5351.150	44.69	-23.06	34.10	33.65	54.00	9.31	V
10640.000	34.01	-29.12	37.64	25.49	54.00	19.99	V
45960.000	38.41	0.00	0.00	38.41	54.00	15.59	H
17884.400	40.05	-20.97	40.52	20.50	54.00	13.95	V
17949.200	40.33	-20.87	40.55	20.65	54.00	13.67	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)
5458.500	45.12	-22.50	34.47	33.16	54.00	8.88	V
5459.500	45.17	-22.48	34.46	33.19	54.00	8.83	V
11000.000	35.21	-28.94	37.90	26.25	54.00	18.79	V
15866.800	39.01	-23.20	40.87	21.34	54.00	14.99	H
17889.600	40.40	-20.98	40.51	20.87	54.00	13.60	H
17950.800	40.40	-20.83	40.55	20.68	54.00	13.60	V

802.11n-HT40

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)
5149.100	45.59	-23.15	34.00	34.74	54.00	8.41	V
5149.500	45.64	-23.16	34.00	34.79	54.00	8.36	V
10968.000	35.55	-29.15	37.84	26.86	54.00	18.45	V
15570.000	38.08	-24.28	40.40	21.97	54.00	15.92	V
17891.200	40.50	-21.00	40.51	20.99	54.00	13.50	H
17951.200	40.54	-20.84	40.55	20.83	54.00	13.46	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)
5350.200	46.13	-23.09	34.10	35.12	54.00	7.87	V
5352.900	45.74	-23.02	34.11	34.65	54.00	8.26	V
10620.000	34.56	-29.25	37.62	26.19	54.00	19.44	V
15930.000	38.82	-23.86	40.87	21.81	54.00	15.18	V
17888.800	40.44	-20.98	40.51	20.91	54.00	13.56	V
17950.800	40.69	-20.83	40.55	20.97	54.00	13.31	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)
5458.650	45.44	-22.49	34.47	33.47	54.00	8.56	V
5459.900	45.49	-22.48	34.46	33.51	54.00	8.51	V
11020.000	34.97	-28.91	37.88	26.00	54.00	19.03	V
15869.200	39.26	-23.13	40.87	21.52	54.00	14.74	V
17887.200	40.48	-20.97	40.51	20.94	54.00	13.52	V
17950.800	40.59	-20.83	40.55	20.88	54.00	13.41	V

802.11ac-HT20

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)
5120.000	45.08	-22.33	34.00	33.40	54.00	8.92	V
5128.350	44.90	-22.58	34.00	33.48	54.00	9.10	V
10992.800	35.59	-28.84	37.89	26.55	54.00	18.41	H
15540.000	38.50	-24.38	40.40	22.48	54.00	15.50	V
17893.200	40.48	-21.04	40.51	21.01	54.00	13.52	H
17950.000	40.56	-20.82	40.55	20.83	54.00	13.44	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)
5350.000	44.91	-23.09	34.10	33.91	54.00	9.09	V
5355.600	44.65	-22.95	34.12	33.48	54.00	9.35	V
10640.000	34.76	-29.12	37.64	26.24	54.00	19.24	V
15960.000	38.80	-23.44	40.84	21.40	54.00	15.20	H
17894.800	40.37	-21.07	40.51	20.93	54.00	13.63	V
17950.800	40.63	-20.83	40.55	20.92	54.00	13.37	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)
5454.800	45.21	-22.54	34.48	33.27	54.00	8.79	V
5459.300	45.27	-22.49	34.46	33.29	54.00	8.73	V
11000.000	35.41	-28.94	37.90	26.45	54.00	18.59	H
16007.200	39.17	-23.49	40.82	21.83	54.00	14.83	V
17895.200	40.50	-21.07	40.50	21.07	54.00	13.50	V
17948.800	40.58	-20.90	40.55	20.93	54.00	13.42	H

802.11ac-HT40

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)
5148.150	45.95	-23.14	34.00	35.09	54.00	8.05	V
5150.000	46.22	-23.16	34.00	35.38	54.00	7.78	V
11952.800	36.39	-27.61	38.81	25.20	54.00	17.61	H
15570.000	37.75	-24.28	40.40	21.64	54.00	16.25	V
17888.000	39.97	-20.98	40.51	20.43	54.00	14.03	H
17950.400	40.08	-20.83	40.55	20.36	54.00	13.92	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)
5350.000	47.48	-23.09	34.10	36.47	54.00	6.52	V
5352.300	46.79	-23.04	34.11	35.71	54.00	7.21	V
10620.000	34.41	-29.25	37.62	26.04	54.00	19.59	V
15930.000	38.17	-23.86	40.87	21.16	54.00	15.83	H
17890.800	39.94	-21.00	40.51	20.43	54.00	14.06	V
17948.800	40.08	-20.90	40.55	20.43	54.00	13.92	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)
5459.850	45.62	-22.48	34.46	33.64	54.00	8.38	V
5459.950	45.63	-22.48	34.46	33.64	54.00	8.37	V
11020.000	34.84	-28.91	37.88	25.87	54.00	19.16	H
15990.000	38.93	-23.33	40.81	21.45	54.00	15.07	V
17888.800	40.03	-20.98	40.51	20.50	54.00	13.97	H
17949.600	40.06	-20.85	40.55	20.36	54.00	13.94	H

802.11ac-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)
5149.400	48.73	-23.15	34.00	37.89	54.00	5.27	V
5149.600	48.77	-23.16	34.00	37.93	54.00	5.23	V
10973.600	35.45	-29.10	37.85	26.70	54.00	18.55	V
15630.000	37.74	-24.00	40.46	21.28	54.00	16.26	H
17893.200	39.71	-21.04	40.51	20.24	54.00	14.29	V
17950.800	39.81	-20.83	40.55	20.09	54.00	14.19	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)
5350.177	52.39	-23.09	34.10	41.38	54.00	1.61	V
5350.367	52.44	-23.08	34.10	41.42	54.00	1.56	V
10847.200	35.04	-28.69	37.75	25.98	54.00	18.96	V
15870.000	38.73	-23.11	40.87	20.97	54.00	15.27	V
17891.000	39.85	-21.00	40.51	20.34	54.00	14.15	H
17949.600	39.91	-20.85	40.55	20.21	54.00	14.09	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)
5459.665	47.95	-22.48	34.46	35.97	54.00	6.05	V
5459.882	47.80	-22.48	34.46	35.82	54.00	6.20	V
11060.000	35.05	-28.82	37.84	26.03	54.00	18.95	H
16014.800	39.08	-23.52	40.84	21.76	54.00	14.92	H
17890.000	39.91	-20.98	40.51	20.38	54.00	14.09	H
17949.200	39.90	-20.87	40.55	20.23	54.00	14.10	V

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)
5147.158	60.49	-23.13	34.00	49.62	74.00	13.51	V
5147.840	61.11	-23.14	34.00	50.25	74.00	12.89	V
10359.950	46.20	-29.14	37.42	37.92	68.20	22.00	H
15539.850	49.87	-24.38	40.40	33.85	74.00	24.13	H
16609.600	53.87	-22.37	41.31	34.93	68.20	14.33	V
17542.950	54.09	-20.87	40.76	34.20	68.20	14.11	H

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)
5350.231	60.60	-23.09	34.10	49.58	74.00	13.40	H
5352.297	60.02	-23.04	34.11	48.94	74.00	13.98	V
10639.900	46.49	-29.12	37.64	37.97	74.00	27.51	V
15960.050	50.09	-23.44	40.84	32.69	74.00	23.91	H
17018.800	53.95	-22.07	41.08	34.93	68.20	14.25	H
17584.750	53.63	-21.87	40.72	34.79	68.20	14.57	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)
5467.975	60.97	-22.25	34.43	48.79	68.20	7.23	V
5469.595	62.04	-22.21	34.42	49.82	68.20	6.16	V
11000.150	46.76	-28.94	37.90	74.00	74.00	27.24	H
16500.150	51.12	-22.71	41.10	32.74	68.20	17.08	H
17326.800	53.46	-22.10	40.77	34.79	68.20	14.74	V
17457.650	53.59	-21.69	40.76	34.52	68.20	14.61	H

802.11n-HT20

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)
5145.600	61.88	-23.11	34.00	51.00	74.00	12.12	H
5149.852	62.95	-23.16	34.00	52.11	74.00	11.05	V
10359.950	47.23	-29.14	37.42	38.95	68.20	20.97	V
15539.850	50.32	-24.38	40.40	34.29	74.00	23.68	H
16727.850	53.37	-22.73	41.40	34.70	68.20	14.83	H
17535.800	53.54	-21.04	40.76	33.81	68.20	14.66	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)
5350.042	60.50	-23.09	34.10	49.49	74.00	13.50	V
5350.650	60.48	-23.08	34.10	49.46	74.00	13.52	H
10639.900	46.77	-29.12	37.64	38.25	74.00	27.23	V
15960.050	50.69	-23.44	40.84	33.29	74.00	23.31	V
17351.000	53.99	-21.87	40.75	35.11	68.20	14.21	H
17539.100	54.16	-20.71	40.76	34.12	68.20	14.04	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)
5468.155	62.04	-22.25	34.43	49.86	68.20	6.16	H
5468.688	61.76	-22.23	34.43	49.56	68.20	6.45	V
10999.050	48.21	-28.93	37.90	39.24	74.00	25.79	H
16499.600	52.50	-22.71	41.10	34.12	68.20	15.70	H
17413.700	53.60	-21.86	40.71	34.75	68.20	14.60	V
17544.600	54.45	-21.01	40.76	34.70	68.20	13.75	V

802.11n-HT40

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)
5148.855	65.41	-23.15	34.00	54.56	74.00	8.59	H
5149.660	66.08	-23.16	34.00	55.23	74.00	7.92	H
10379.750	47.49	-29.20	37.46	39.23	68.20	20.71	V
15570.100	51.01	-24.28	40.40	34.89	74.00	22.99	H
17043.000	54.06	-22.67	41.06	35.67	68.20	14.14	H
17511.600	54.65	-22.03	40.79	35.89	68.20	13.55	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)
5351.015	67.33	-23.07	34.10	56.30	74.00	6.67	H
5351.176	69.50	-23.06	34.10	58.46	74.00	4.50	V
10620.100	47.45	-29.25	37.62	39.07	74.00	26.55	V
15929.800	51.38	-23.86	40.87	34.38	74.00	22.62	V
17450.550	53.94	-21.65	40.75	34.84	68.20	14.26	V
17539.650	54.06	-20.66	40.76	33.96	68.20	14.14	V

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)
5469.167	66.57	-22.22	34.42	54.37	68.20	1.63	H
5469.903	67.71	-22.20	34.42	55.49	68.20	0.49	H
11019.950	47.54	-28.91	37.88	38.57	74.00	26.46	V
16529.850	52.20	-22.53	41.16	33.56	68.20	16.01	V
17533.050	54.02	-21.32	40.77	34.57	68.20	14.18	V
17539.100	54.26	-20.71	40.76	34.22	68.20	13.94	V

802.11ac-HT20

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)
5147.542	59.25	-23.13	34.00	48.38	74.00	14.75	V
5149.363	59.18	-23.15	34.00	48.33	74.00	14.82	H
10359.950	48.42	-29.14	37.42	40.13	68.20	19.78	V
15539.850	51.35	-24.38	40.40	35.32	74.00	22.65	H
17342.750	53.93	-21.85	40.76	35.03	68.20	14.27	H
17536.350	54.30	-20.99	40.76	34.52	68.20	13.90	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)
5350.771	62.18	-23.07	34.10	51.15	74.00	11.82	H
5351.676	59.69	-23.05	34.11	48.63	74.00	14.31	H
10641.000	47.67	-29.12	37.64	39.15	74.00	26.33	V
15958.950	51.79	-23.46	40.84	34.41	74.00	22.21	V
17539.650	54.32	-20.66	40.76	34.22	68.20	13.88	V
17624.350	54.28	-21.96	40.65	35.59	68.20	13.92	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)
5468.110	59.84	-22.25	34.43	47.66	68.20	8.36	H
5469.198	60.66	-22.22	34.42	48.46	68.20	7.54	H
11000.700	48.80	-28.95	37.90	39.85	74.00	25.20	V
16498.500	52.23	-22.72	41.10	33.86	68.20	15.97	H
17540.200	54.09	-20.64	40.76	33.97	68.20	14.11	H
17646.900	54.07	-21.39	40.61	34.85	68.20	14.13	V

802.11ac-HT40

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)
5148.715	67.34	-23.15	34.00	56.49	74.00	6.66	H
5149.100	66.66	-23.15	34.00	55.81	74.00	7.34	V
10379.200	48.51	-29.21	37.46	40.26	68.20	19.69	H
15570.100	50.04	-24.28	40.40	33.92	74.00	23.96	H
17385.650	53.81	-21.85	40.71	34.95	68.20	14.39	V
17658.450	53.80	-21.26	40.58	34.48	68.20	14.40	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)
5350.880	67.75	-23.07	34.10	56.71	74.00	6.25	V
5352.432	67.88	-23.03	34.11	56.80	74.00	6.12	V
10620.650	46.15	-29.23	37.62	37.76	74.00	27.85	V
15930.350	49.88	-23.86	40.87	32.86	74.00	24.12	H
17368.050	53.87	-21.82	40.73	34.96	68.20	14.33	V
17657.350	53.85	-21.27	40.59	34.53	68.20	14.35	V

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)
5466.648	64.90	-22.29	34.43	52.76	68.20	3.30	H
5469.850	66.17	-22.20	34.42	53.95	68.20	2.03	H
11019.400	46.79	-28.92	37.88	37.83	74.00	27.21	H
16528.750	52.02	-22.57	41.16	33.43	68.20	16.18	V
16844.450	53.72	-22.52	41.40	34.84	68.20	14.48	H
17636.450	54.17	-21.57	40.63	35.11	68.20	14.03	H

802.11ac-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)
5149.240	69.30	-23.15	34.00	58.46	74.00	4.70	V
5149.660	68.87	-23.16	34.00	58.02	74.00	5.13	V
10421.550	47.64	-29.32	37.50	39.46	68.20	20.56	V
15629.500	51.00	-24.01	40.46	34.56	74.00	23.00	H
17537.450	53.78	-20.88	40.76	33.90	68.20	14.42	V
17540.200	53.94	-20.64	40.76	33.82	68.20	14.26	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)
5350.515	72.56	-23.08	34.10	61.53	74.00	1.44	H
5352.243	70.38	-23.04	34.11	59.31	74.00	3.62	V
10579.400	47.37	-28.84	37.58	38.64	68.20	20.83	H
15870.400	50.91	-23.13	40.87	33.16	74.00	23.09	H
16509.500	53.49	-22.85	41.12	35.22	68.20	14.71	V
17335.050	53.58	-21.99	40.76	34.80	68.20	14.62	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)
5464.585	65.97	-22.35	34.44	53.88	68.20	2.23	H
5466.025	66.90	-22.31	34.44	54.77	68.20	1.30	V
11059.550	47.80	-28.83	37.84	38.78	74.00	26.20	V
16589.250	51.59	-22.29	41.28	32.60	68.20	16.61	V
16948.400	54.32	-22.24	41.25	35.30	68.20	13.88	H
17129.900	53.91	-22.28	40.97	35.22	68.20	14.29	V

Conclusion: PASS

Band edge compliance

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

Conclusion: PASS

Test graphs as below:

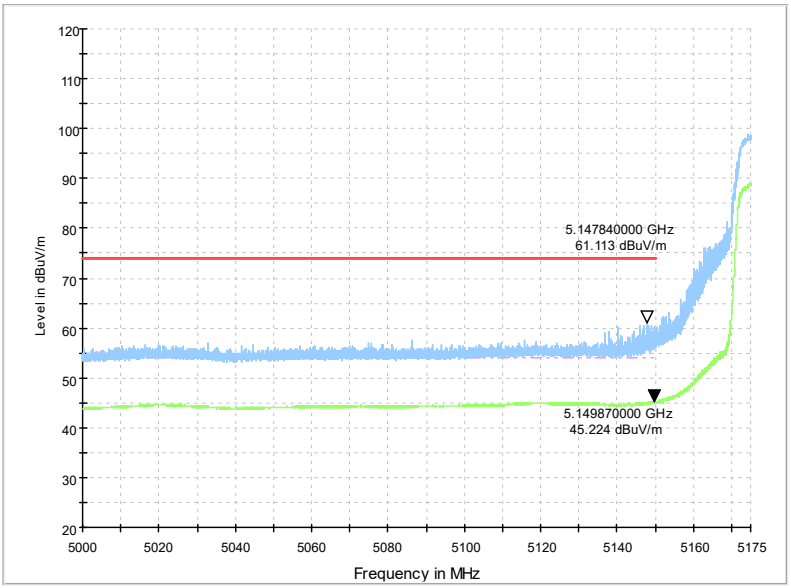

Fig. 1 Band Edges (802.11a Ch36, 5180MHz)

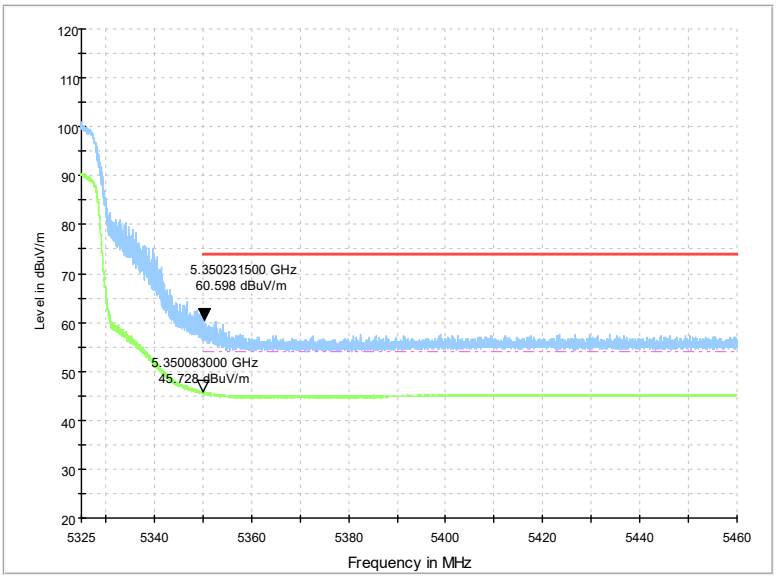

Fig. 2 Band Edges (802.11a Ch64, 5320MHz)

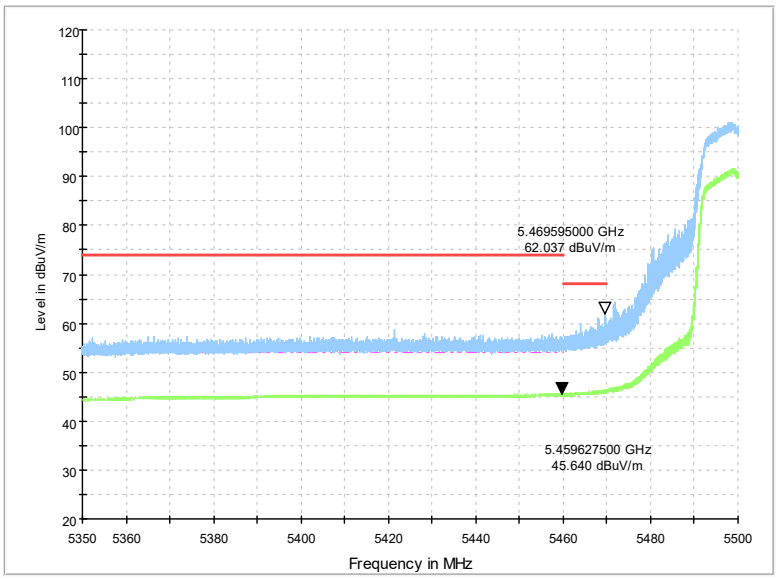

Fig. 3 Band Edges (802.11a Ch100, 5500MHz)

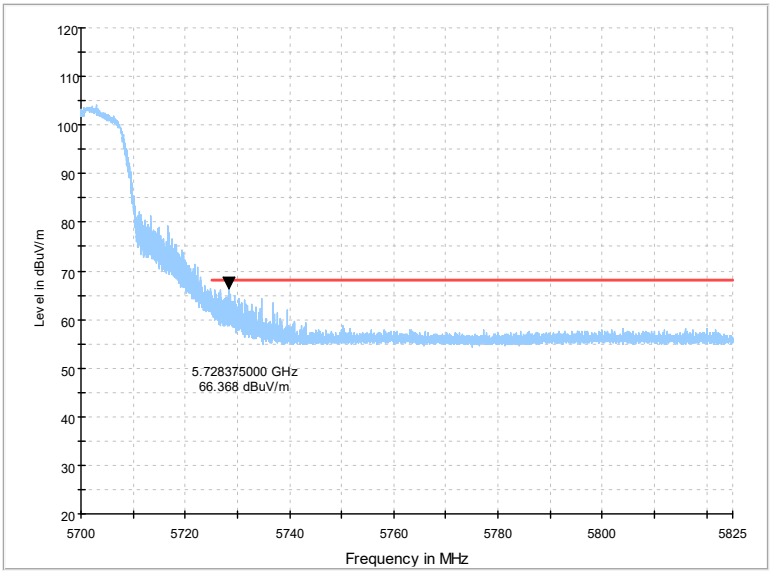

Fig. 4 Band Edges (802.11a Ch140, 5700MHz)

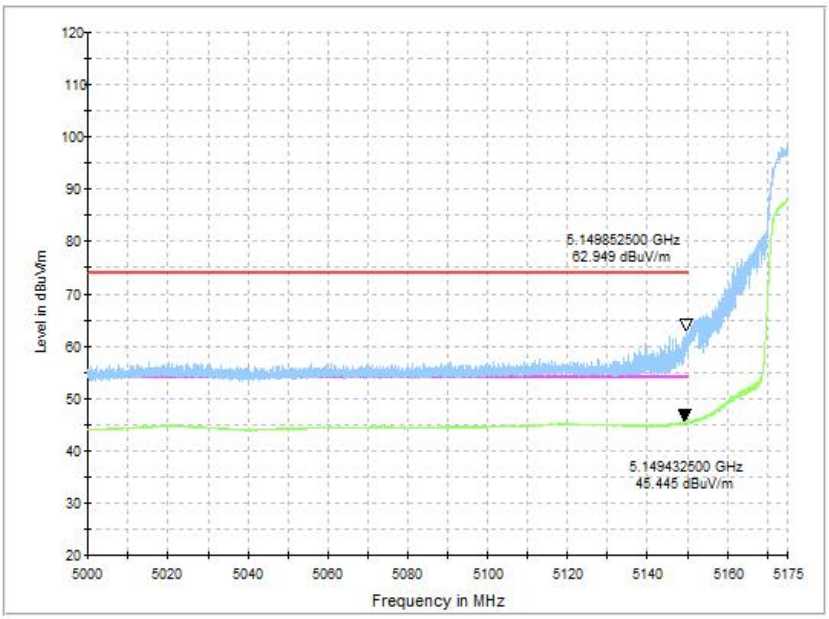

Fig. 5 Band Edges (802.11n-HT20 Ch36, 5180MHz)

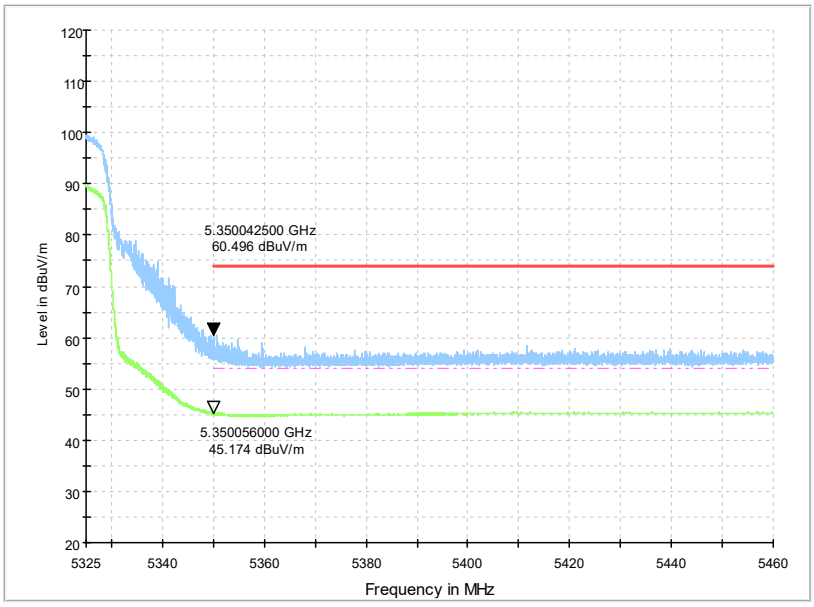

Fig. 6 Band Edges (802.11n-HT20 Ch64, 5320MHz)

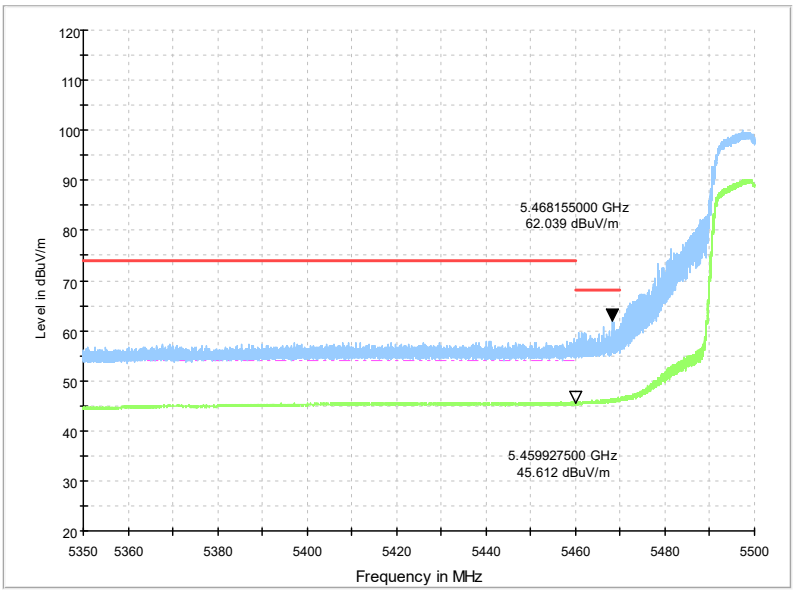

Fig. 7 Band Edges (802.11n-HT20 Ch100, 5500MHz)

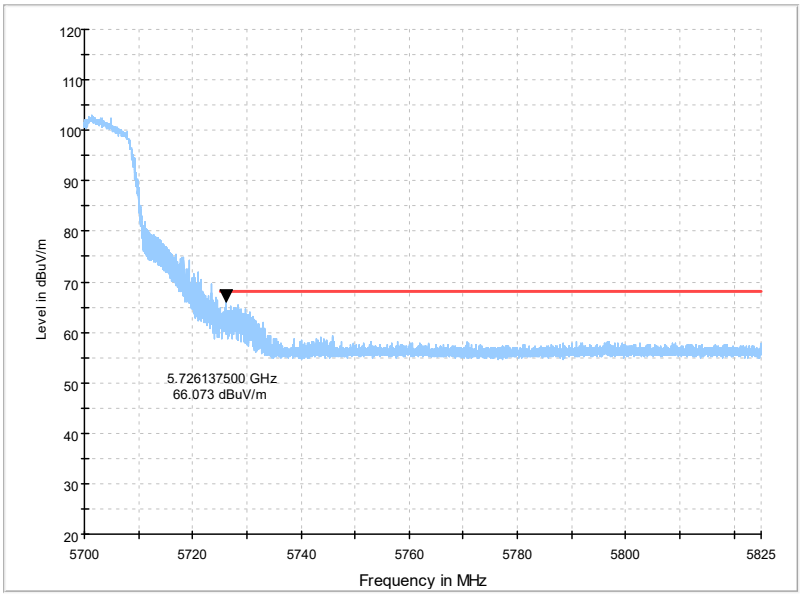

Fig. 8 Band Edges (802.11n-HT20 Ch140, 5700MHz)

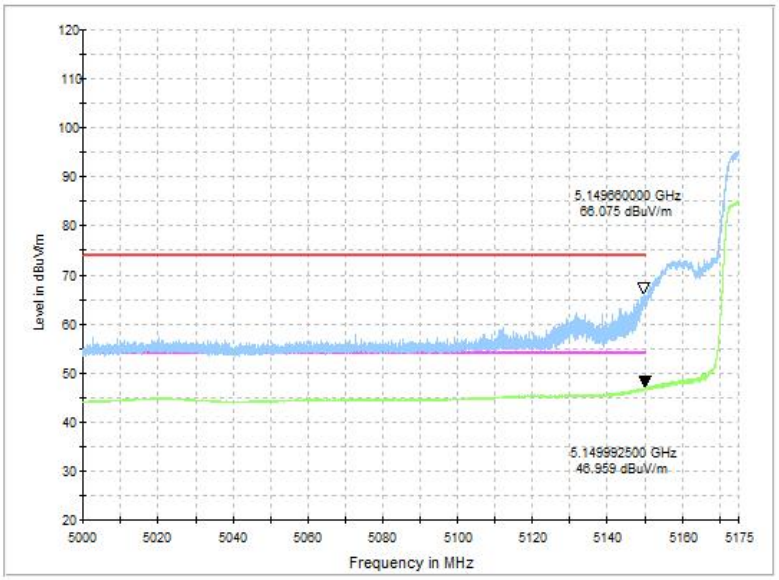

Fig. 9 Band Edges (802.11n-HT40 Ch38, 5190MHz)

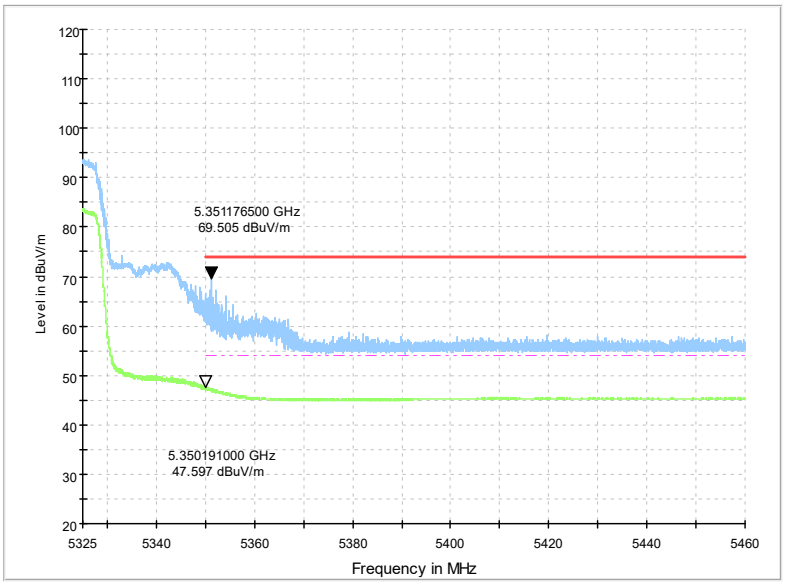

Fig. 10 Band Edges (802.11n-HT40 Ch62, 5310MHz)

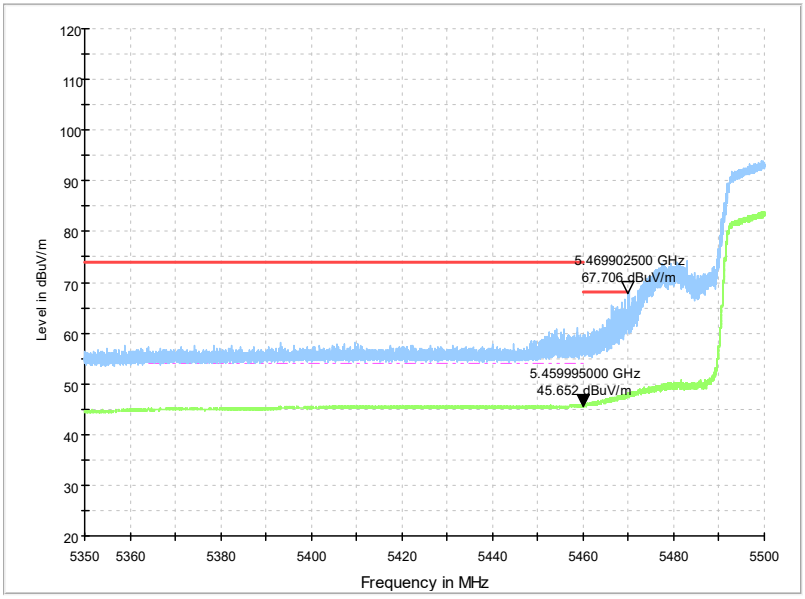

Fig. 11 Band Edges (802.11n-HT40 Ch102, 5510MHz)

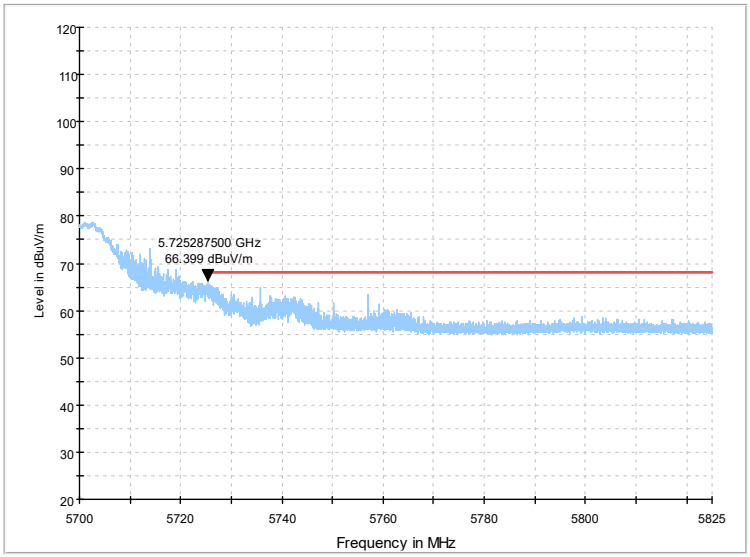

Fig. 12 Band Edges (802.11n-HT40 Ch134, 5670MHz)

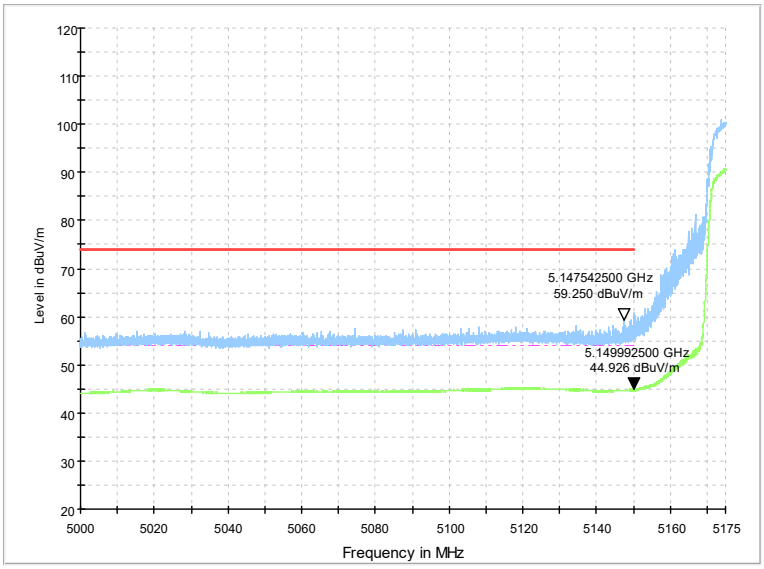

Fig. 13 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

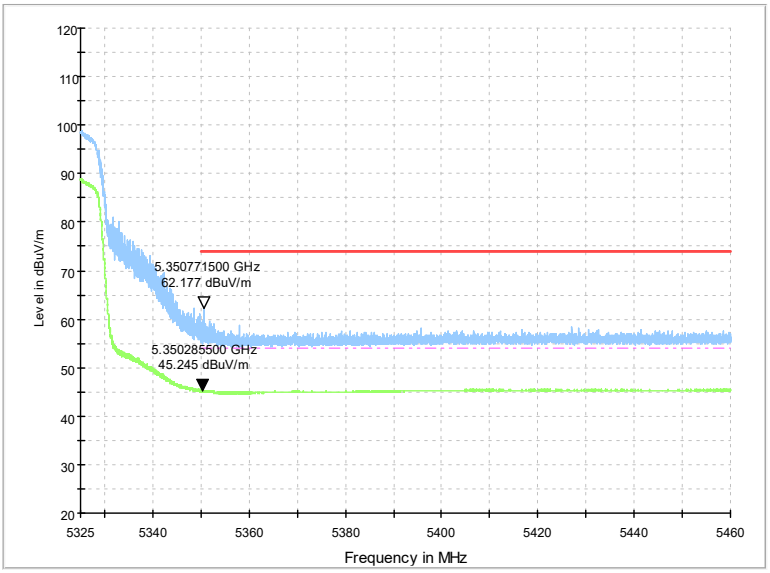

Fig. 14 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

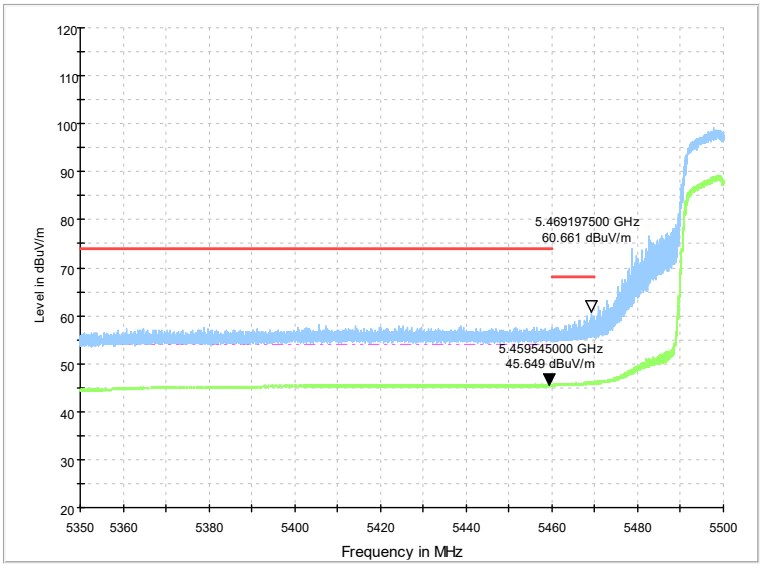

Fig. 15 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

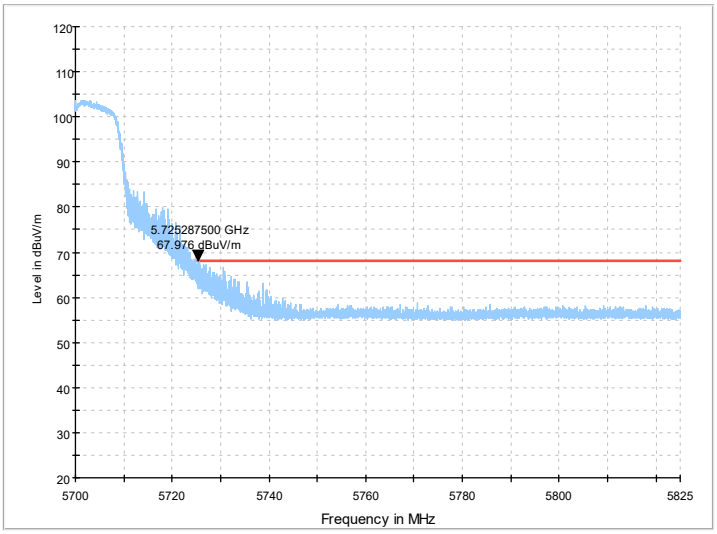

Fig. 16 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

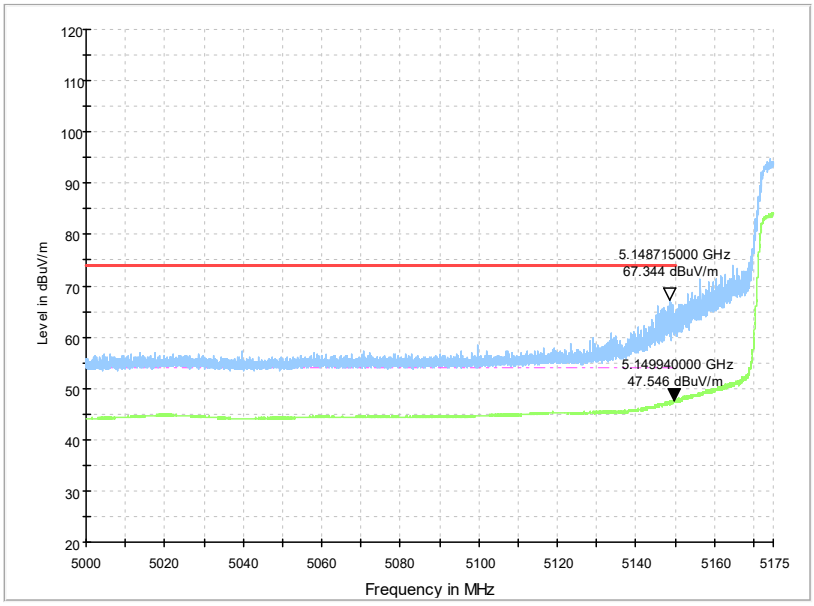

Fig. 17 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

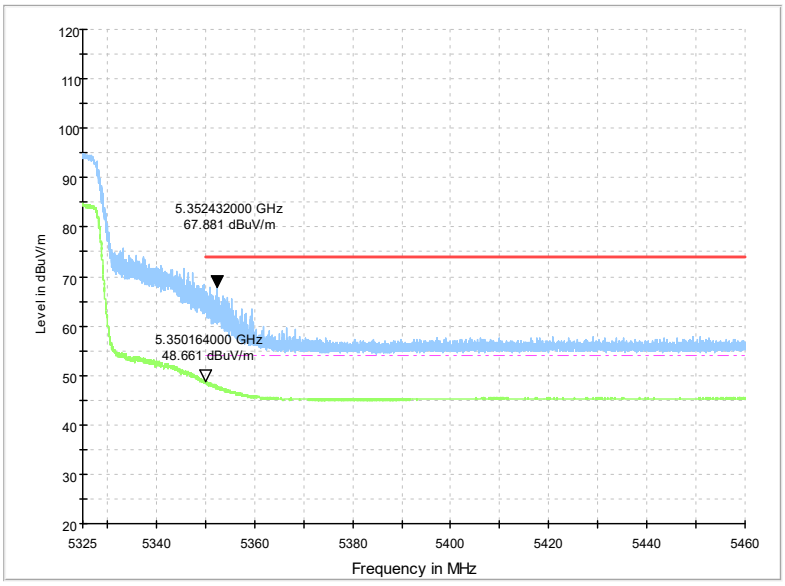

Fig. 18 Band Edges (802.11ac-HT40 Ch62, 5310MHz)

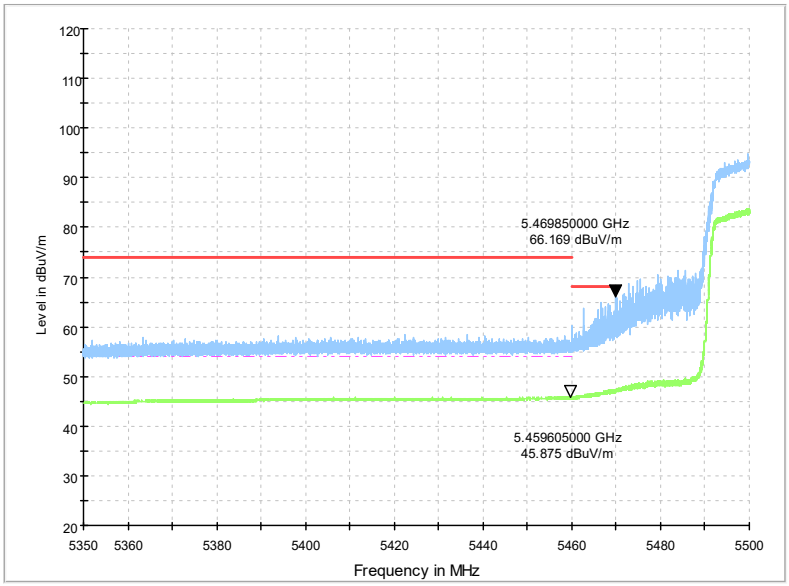

Fig. 19 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

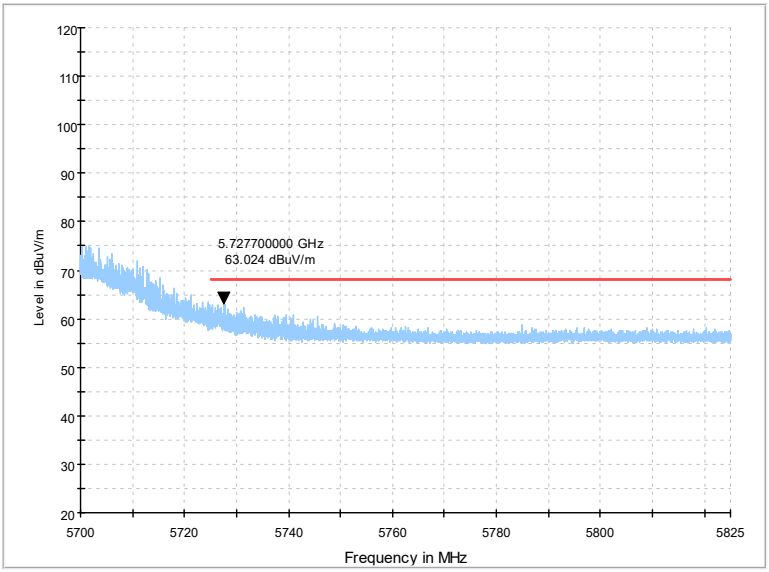

Fig. 20 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

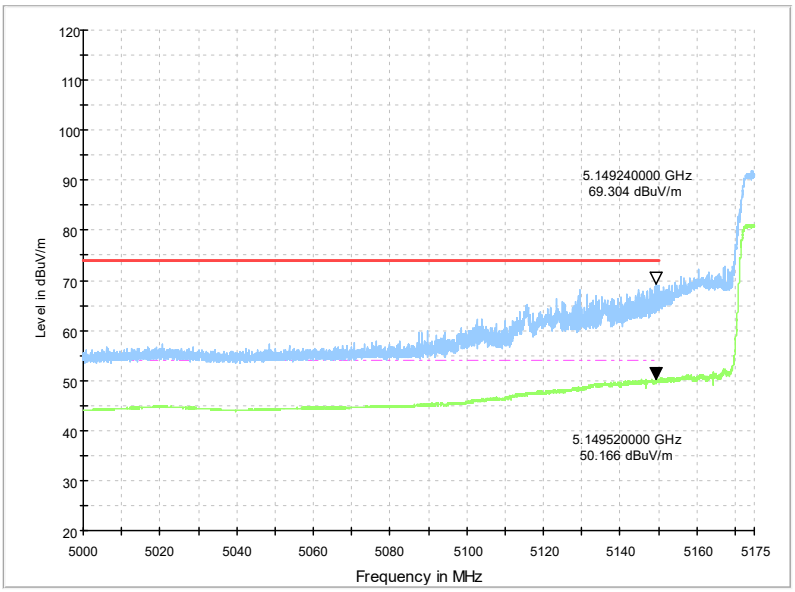

Fig. 21 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

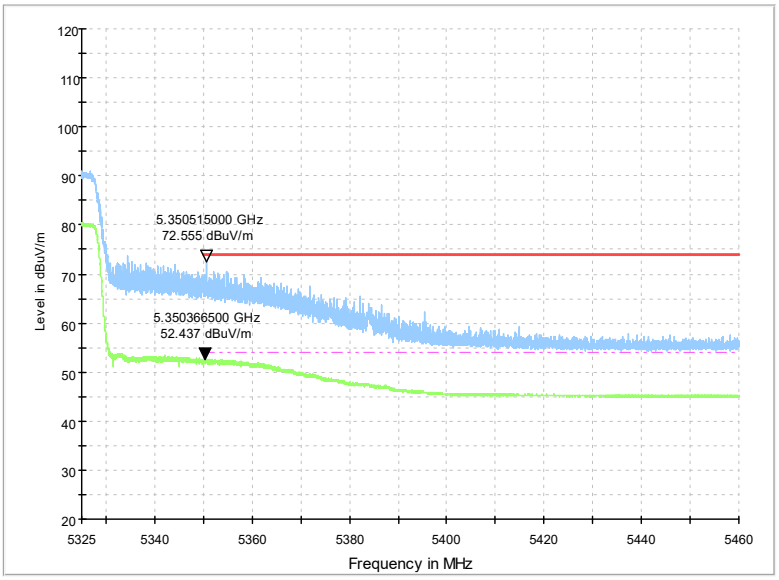

Fig. 22 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

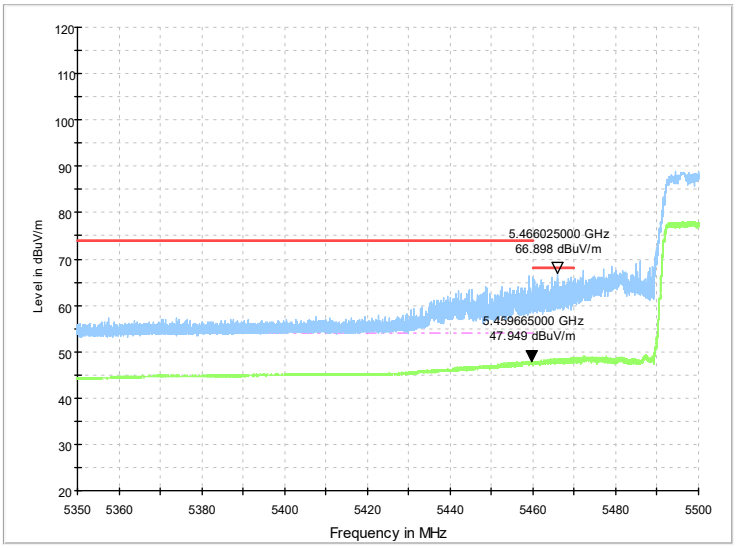

Fig. 23 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

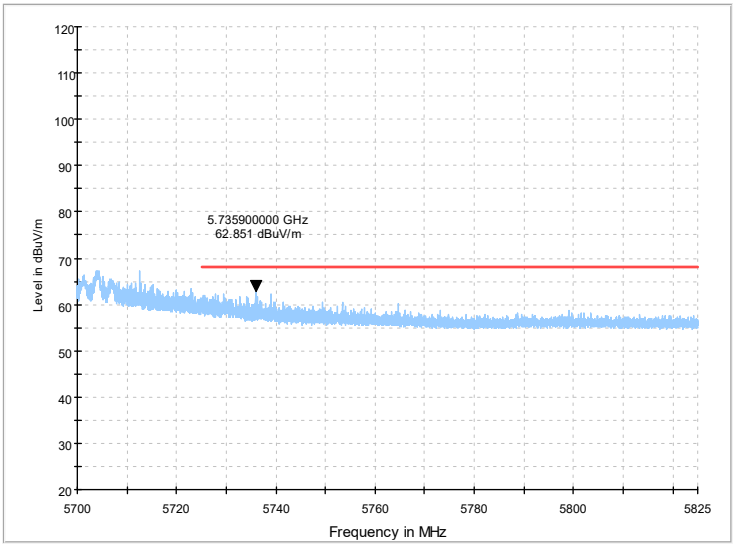

Fig. 24 Band Edges (802.11ac-HT80 Ch122, 5610MHz)