



FCC PART 15E TEST REPORT No.24T04Z200129-007

for

Samsung Electronics Co., Ltd.

Multi-band GSM/WCDMA/LTE Mobile Phone with Bluetooth, WLAN

SM-A065M/DS,SM-A065M

FCC ID:ZCASMA065M

with

Hardware Version: REV1.0

Software Version: A065M.001

Issued Date: 2024-06-25

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.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04Z200129-007	Rev.0	1st edition	2024-06-25

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

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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

Location 2: 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: 2024-05-20

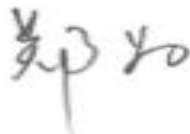
Testing End Date: 2024-06-25

1.5. Signature



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: Samsung Electronics Co., Ltd.
Address/Post: 19 Chapin Rd., Building D Pine Brook, NJ 07058
Contact: Jenni Chun
Email: j1.chun@samsung.com
Telephone: +1-201-937-4203

2.2. Manufacturer Information

Company Name: Samsung Electronics Co., Ltd.
Address/Post: Samsung R5, Maetan dong 129, Samsung ro
Youngtong gu, Suwon city 443 742, Korea
Contact: Sunghoon Cho
Email: ggobi.cho@samsung.com
Telephone: +82-10-2722-4159
Fax: /

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

3.1. About EUT

Description	Multi-band GSM/WCDMA/LTE Mobile Phone with Bluetooth, WLAN
Model name	SM-A065M/DS,SM-A065M
FCC ID	ZCASMA065M
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Nominal Voltage	3.85V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT12a	2404200129UT12a	REV1.0	A065M.001	2024-05-20
UT10a	2404200129UT10a	REV1.0	A065M.001	2024-05-20

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

UT12a is used for Conduction test, UT10a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Name	Model	Manufacturer
AE1-1	Battery	HQ-7160SS	SCUD (FUJIAN) Electronics Co., Ltd.
AE1-2	Battery	HQ-7160SD	SCUD (FUJIAN) Electronics Co., Ltd.
AE1-3	Battery	HQ-7160NA	Ningde AmpereX technology limited
AE2-1*	Adapter	EP-TA800	SOLUM CO.,LTD.
AE2-2*	Adapter	EP-T1510	DONGYANG E&P INC.
AE2-3*	Adapter	EP-TA200	RFTECH ELECTRONICS (HUIZHOU) CO., LTD
AE3-1	Date Cable1 C-C	EP-DN980BWE	RFTECH ELECTRONICS (HUIZHOU) CO., LTD
AE3-2	Date Cable2 C-C	EP-DN980BWE	Guangxi Broad Telecommunication Co.,Ltd.
AE3-3	Date Cable3 C-C	EP-DN980BWE	Cresyn electronics(Dongguan)Co;Ltd.
AE3-4	Date Cable4 C-C	EP-DN980BWE	ASAP TECHNOLOGY(JIANGXI) CO.,LTD.
AE4*	Date Cable5 C-A	EP-DR140AWE	Cresyn electronics(Dongguan)Co;Ltd.
AE5*	Headset	EHS61ASFWE	Dongguan YoungBo Electronics

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

*AE2-1, AE2-2, AE2-3, AE4 and A5 are not the AE for EUT, provided by the client for relevant tests.

3.4. General Description

The Equipment under Test (EUT) is a model of Multi-band GSM/WCDMA/LTE Mobile Phone with Bluetooth, WLAN 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	3.85V
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	2025-04-01
3	Attenuator	10dB/2W	/	Rosenberger	/	/
4	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103015	R&S	1 year	2025-01-18
2	Test Receiver	FSV30	101047	R&S	1 year	2024-10-08
3	Test Receiver	ESU26	100376	R&S	1 year	2024-06-29
4	Loop Antenna	HFH2-Z2	829324/007	R&S	1 year	2025-01-04
5	EMI Antenna	VULB9163	302	Schwarzbeck	1 year	2024-08-28
6	EMI Antenna	3117	00139065	ETS-Lindgren	1 year	2024-10-22
7	EMI Antenna	LB-180400 -25-C-KF	21100840000 06	A-INFO	1 year	2025-05-15

AC Power Line Conducted Emission

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	LISN	ENV216	101459	R&S	1 year	2025-05-16
2	Test Receiver	ESCI	100766	R&S	1 year	2025-04-18

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

8.6 Radiated Unwanted Emission

Frequency Range	Uncertainty(dB) (k=2)
9kHz-30MHz	3.96
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.73
$1\text{GHz} \leq f \leq 18\text{GHz}$	5.62
$18\text{GHz} \leq f \leq 40\text{GHz}$	3.52

8.7 AC Power-line Conducted Emission

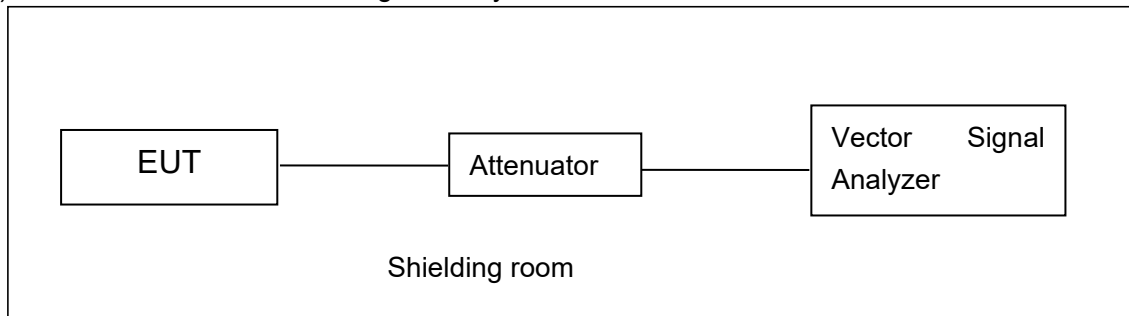
Measurement Uncertainty : 3.10dB,k=2

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 measurement method SA-2 is made according to KDB 789033

A.2.1 Antenna Gain

Antenna gain is -0.8dBi and the value is supplied by the applicant or manufacturer.

A.2.2 Maximum output Power-Conducted

EUT ID: UT12a

Measurement Results:

802.11a mode

Mode	Frequency	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz	15.44	15.55	15.47	15.59	15.68	14.95	14.94	14.85
	5200MHz	/	/	/	/	15.82	/	/	/
	5240MHz	/	/	/	/	15.83	/	/	/
	5260MHz	/	/	/	/	15.67	/	/	/
	5280MHz	/	/	/	/	15.78	/	/	/
	5320MHz	/	/	/	/	15.46	/	/	/
	5500MHz	/	/	/	/	14.16	/	/	/
	5580MHz	/	/	/	/	15.51	/	/	/
	5700MHz	/	/	/	/	12.64	/	/	/
	5720MHz	/	/	/	/	15.39	/	/	/

The data rate 24Mbps 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	15.59	15.55	15.57	15.64	13.54	13.56	13.85	13.77
	5200MHz	/	/	/	15.83	/	/	/	/
	5240MHz	/	/	/	15.62	/	/	/	/
	5260MHz	/	/	/	15.58	/	/	/	/
	5280MHz	/	/	/	15.56	/	/	/	/
	5320MHz	/	/	/	15.33	/	/	/	/

	5500MHz	/	/	/	13.82	/	/	/	/
	5580MHz	/	/	/	15.32	/	/	/	/
	5700MHz	/	/	/	12.05	/	/	/	/
	5720MHz	/	/	/	14.72	/	/	/	/

The data rate MCS3 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	12.37	12.33	12.40	12.41	12.42	11.45	11.52	11.49	11.49
	5200MHz	/	/	/	/	12.79	/	/	/	/
	5240MHz	/	/	/	/	12.72	/	/	/	/
	5260MHz	/	/	/	/	12.55	/	/	/	/
	5280MHz	/	/	/	/	12.64	/	/	/	/
	5320MHz	/	/	/	/	12.37	/	/	/	/
	5500MHz	/	/	/	/	12.58	/	/	/	/
	5580MHz	/	/	/	/	12.18	/	/	/	/
	5700MHz	/	/	/	/	12.07	/	/	/	/
	5720MHz	/	/	/	/	11.91	/	/	/	/

The data rate MSC4 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	14.54	14.67	14.68	14.88	12.35	12.30	12.70	12.66
	5230MHz	/	/	/	14.60	/	/	/	/
	5270MHz	/	/	/	14.43	/	/	/	/
	5310MHz	/	/	/	14.58	/	/	/	/
	5510MHz	/	/	/	13.84	/	/	/	/
	5550MHz	/	/	/	14.36	/	/	/	/
	5670MHz	/	/	/	13.66	/	/	/	/
	5710MHz	/	/	/	11.46	/	/	/	/

The data rate MCS3 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	12.62	12.58	12.66	12.60	12.63	11.45	11.42	11.75	11.71	11.56
	5230MHz	/	/	12.71	/	/	/	/	/	/	/
	5270MHz	/	/	12.54	/	/	/	/	/	/	/
	5310MHz	/	/	12.33	/	/	/	/	/	/	/
	5510MHz	/	/	12.21	/	/	/	/	/	/	/
	5550MHz	/	/	12.16	/	/	/	/	/	/	/
	5670MHz	/	/	11.48	/	/	/	/	/	/	/
5710MHz	/	/	11.60	/	/	/	/	/	/	/	

The data rate MCS2 is selected as worst condition, and the following cases are performed with this condition.

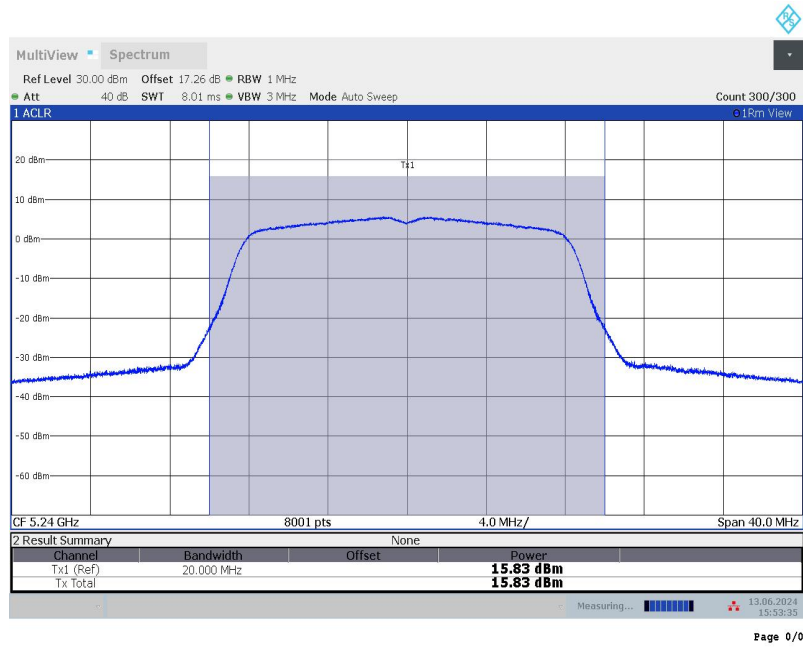
802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)									
		Data Rate									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
802.11ac (VHT80)	5210MHz	12.64	12.68	12.44	12.70	11.19	11.61	10.56	10.73	11.23	10.58
	5290MHz	/	/	/	12.31	/	/	/	/	/	/
	5530MHz	/	/	/	12.33	/	/	/	/	/	/
	5610MHz	/	/	/	12.46	/	/	/	/	/	/
	5690MHz	/	/	/	12.23	/	/	/	/	/	/

The data rate MCS3 is selected as worst condition, and the following cases are performed with this condition.

Duty cycle

Mode	11a		
Duty Cycle	90%		
Mode	11N 20M	11N 40M	
Duty Cycle	90%	80%	
Mode	11ac-20M	11ac- 40M	11ac- 80M
Duty Cycle	86%	82%	68%



Maximum output Power:11a CH48

Conclusion: PASS

A.3. Peak Power Spectral Density

Measurement Limit:

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

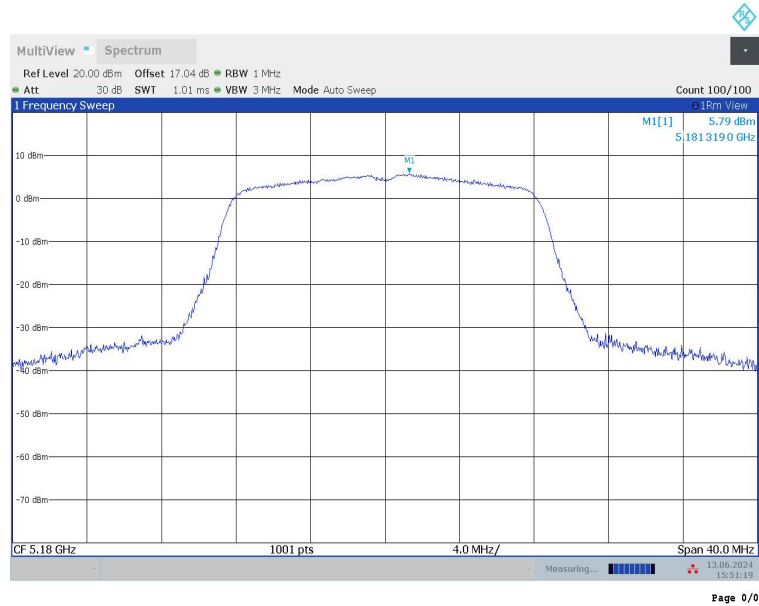
The output power measurement method Section F is made according to KDB 789033

EUT ID: UT12a

Measurement Results:

Mode	Frequency	Power Spectral Density (dBm/MHz)	Conclusion
802.11a	5180 MHz	5.79	P
	5200 MHz	5.64	P
	5240 MHz	5.67	P
	5260 MHz	5.53	P
	5280 MHz	5.57	P
	5320 MHz	5.54	P
	5500 MHz	4.22	P
	5580 MHz	5.37	P
	5700 MHz	2.30	P
	5720 MHz	4.94	P
802.11n HT20	5180 MHz	5.51	P
	5200 MHz	5.48	P
	5240 MHz	5.34	P
	5260 MHz	5.28	P
	5280 MHz	5.36	P
	5320 MHz	4.99	P
	5500 MHz	3.45	P
	5580 MHz	5.26	P
	5700 MHz	1.81	P
	5720 MHz	4.63	P
802.11n HT40	5190 MHz	1.93	P
	5230 MHz	1.19	P
	5270 MHz	1.42	P
	5310 MHz	1.56	P
	5510 MHz	0.72	P
	5550 MHz	1.17	P
	5670 MHz	0.29	P
	5710 MHz	-1.30	P
802.11ac	5210 MHz	-3.36	P

VHT80	5290 MHz	-4.02	P
	5530 MHz	-4.45	P
	5610 MHz	-3.82	P
	5690 MHz	-4.21	P



Peak Power Spectral Density:11a CH36

Conclusion: PASS

A.4. 26dB Emission Bandwidth

Measurement Limit:

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

The measurement is made according to KDB 789033

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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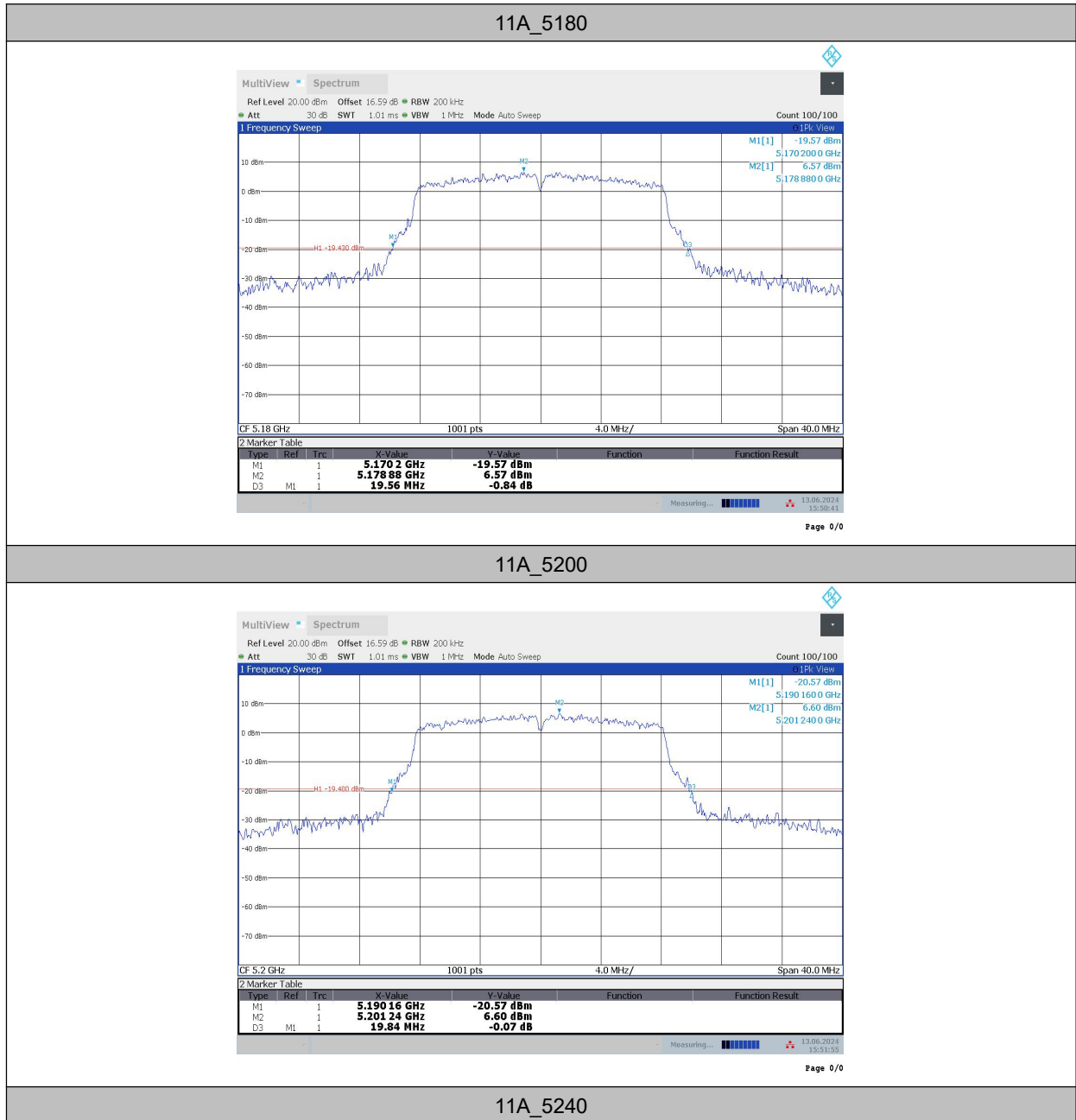
EUT ID: UT12a

Measurement Result:

Mode	Frequency	26dB Emission Bandwidth (MHz)	conclusion
802.11a	5180 MHz	19.56	P
	5200 MHz	19.84	P
	5240 MHz	19.72	P
	5260 MHz	19.44	P
	5280 MHz	19.60	P
	5320 MHz	19.72	P
	5500 MHz	19.40	P
	5580 MHz	19.52	P
	5700 MHz	19.24	P
802.11n HT20	5180 MHz	19.88	P
	5200 MHz	19.88	P
	5240 MHz	19.96	P
	5260 MHz	19.84	P
	5280 MHz	20.12	P
	5320 MHz	20.04	P
	5500 MHz	20.04	P
	5580 MHz	19.84	P
	5700 MHz	19.76	P
802.11n HT40	5190 MHz	40.64	P
	5230 MHz	40.64	P
	5270 MHz	40.32	P
	5310 MHz	40.16	P
	5510 MHz	40.24	P
	5550 MHz	40.08	P
	5670 MHz	40.48	P
	5710 MHz	40.40	P
802.11ac	5210MHz	81.28	P

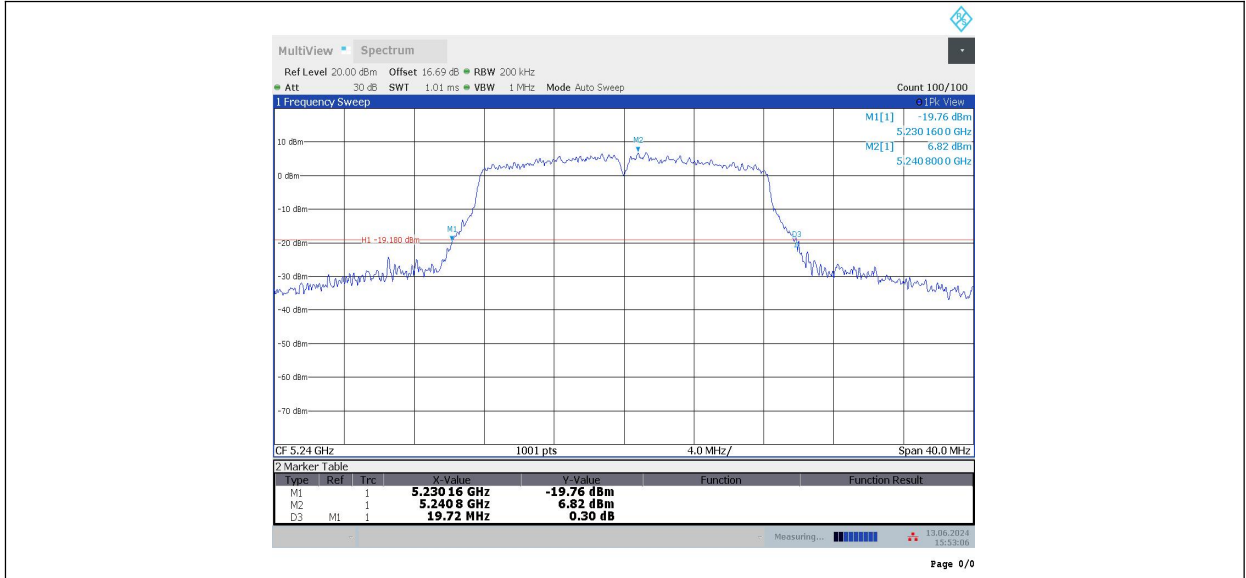
VHT80	5290MHz	81.28	P
	5530MHz	80.96	P
	5610 MHz	81.28	P
	5690MHz	80.96	P

Test graphs as below:

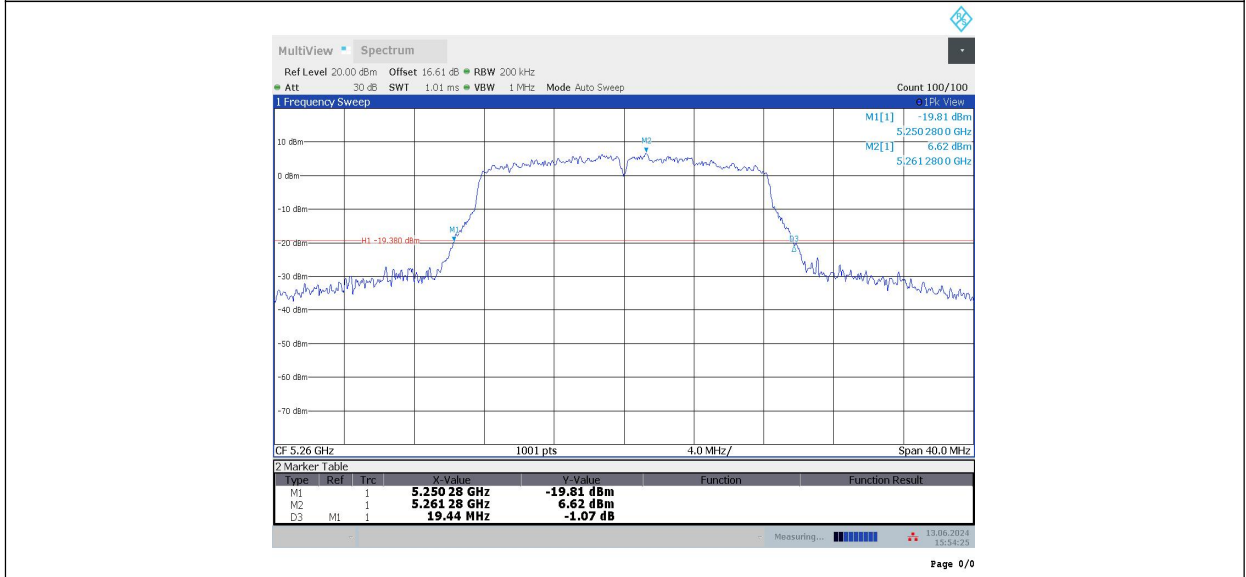


11A_5200

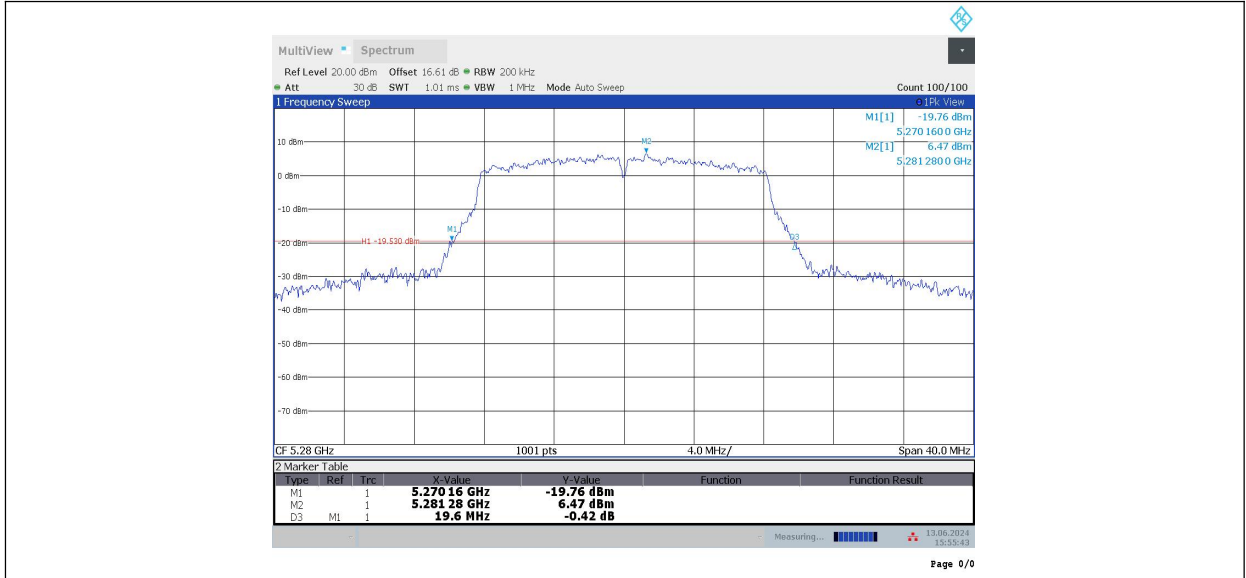
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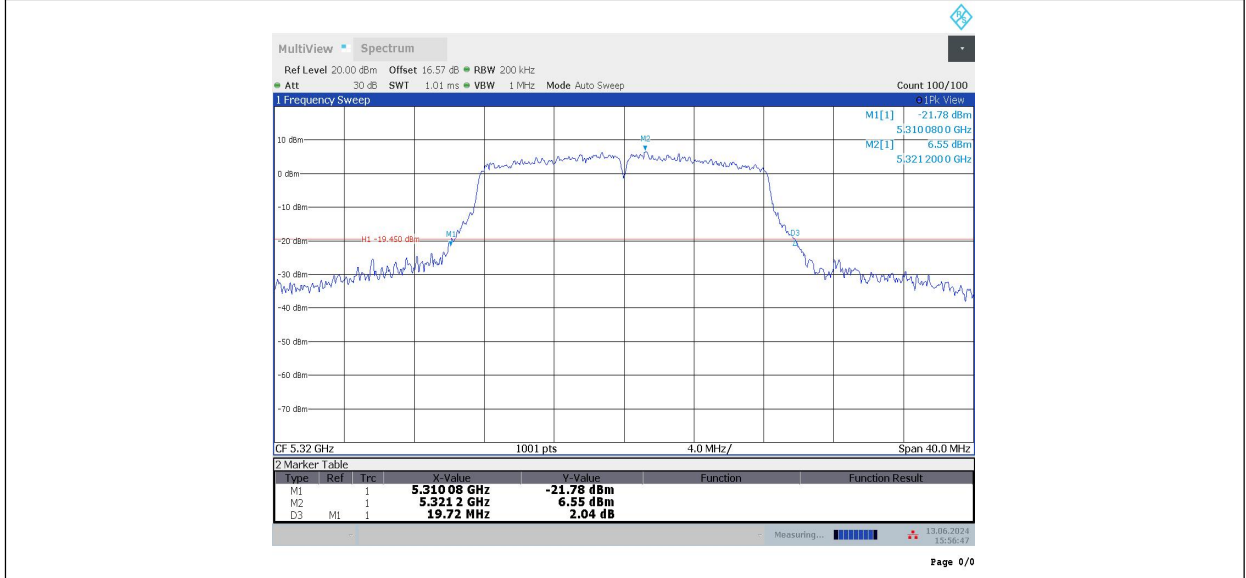
11A_5260



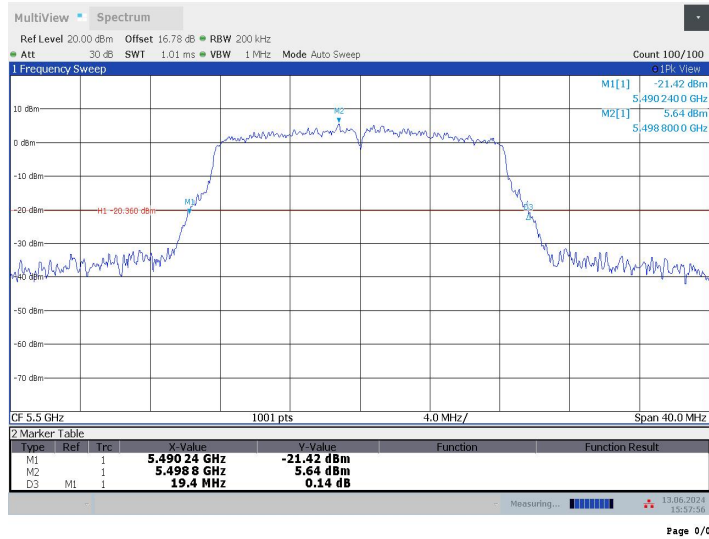
11A_5280



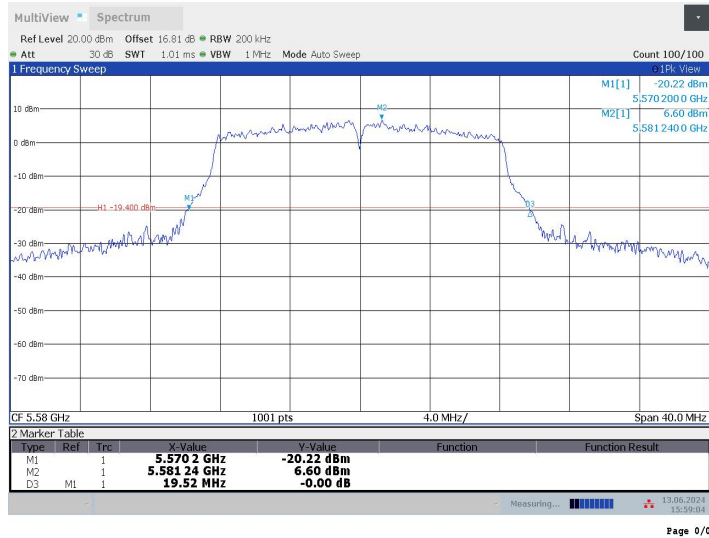
11A_5320



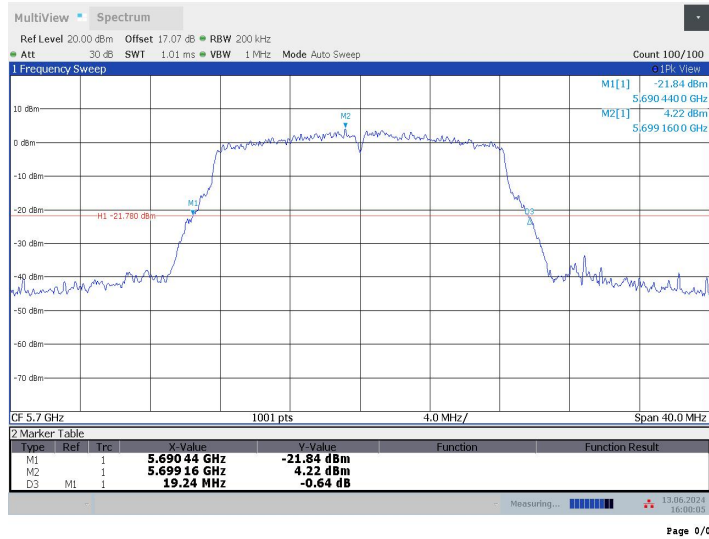
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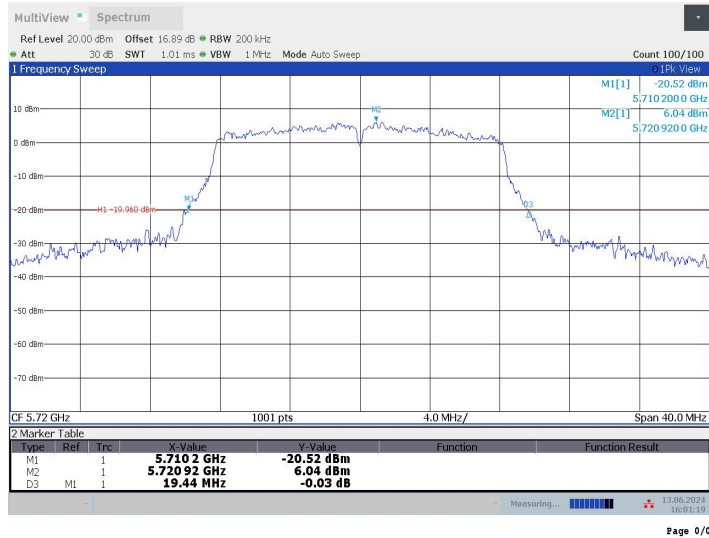
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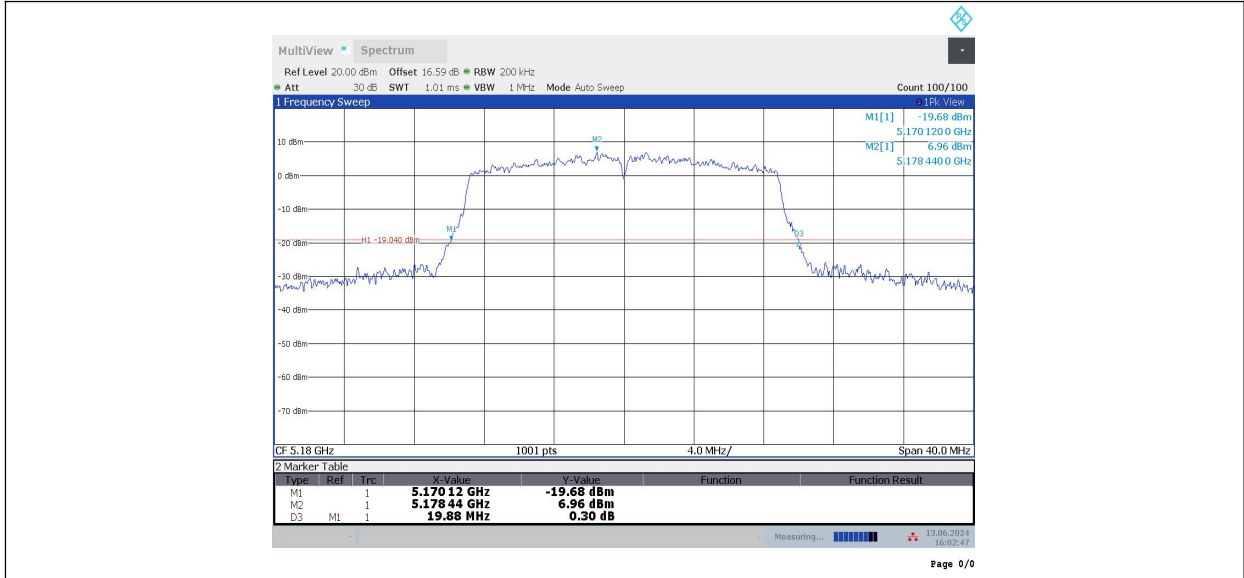
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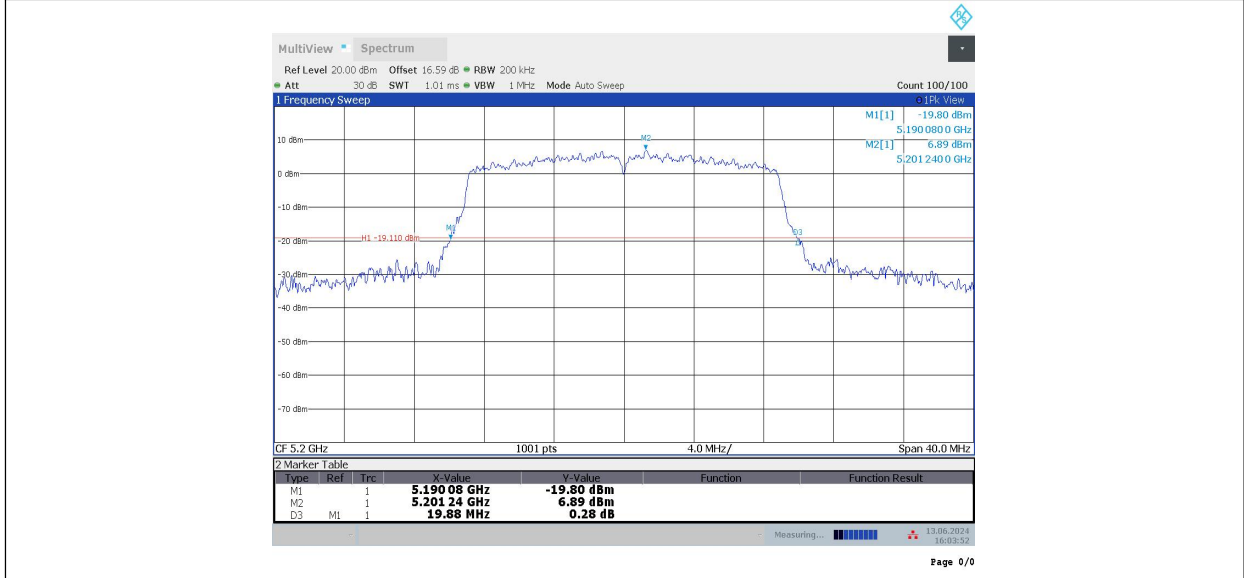
11A_5720



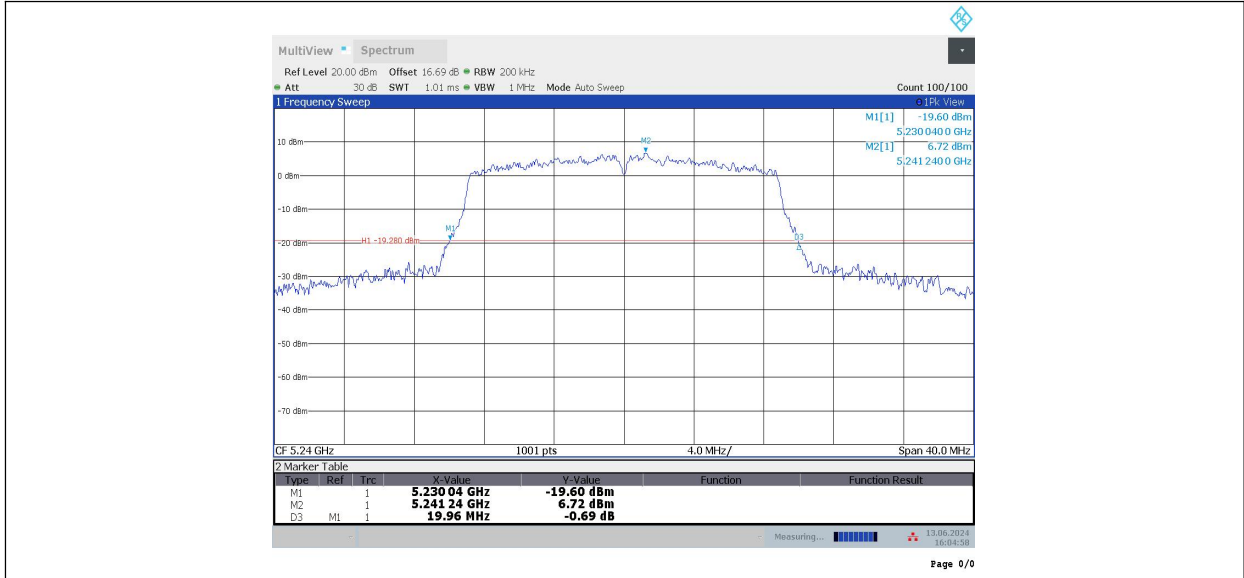
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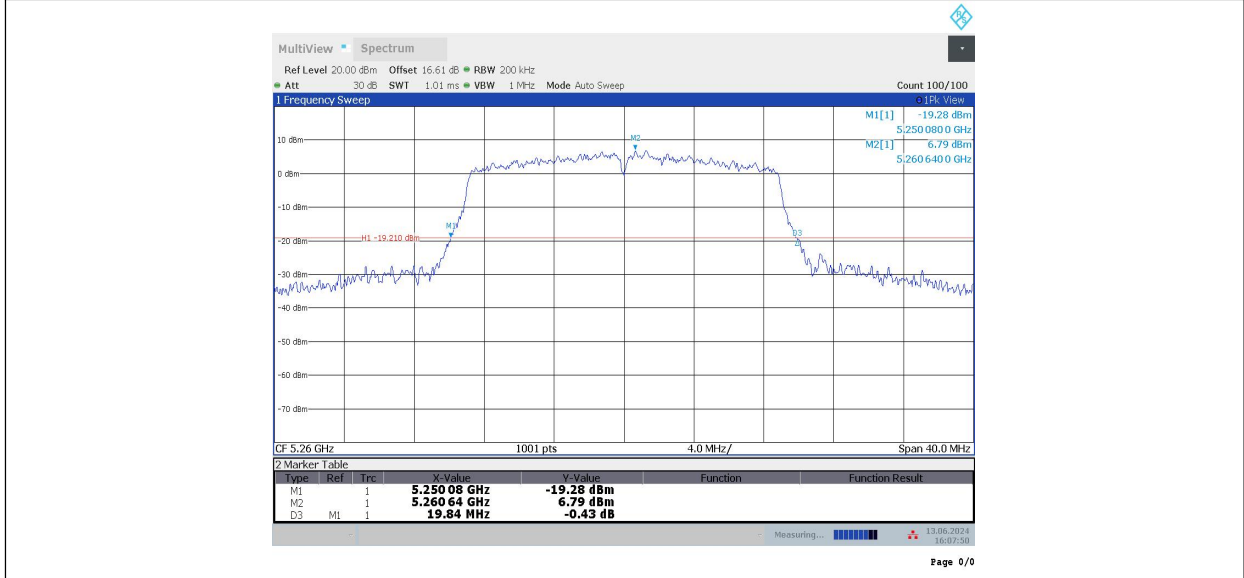
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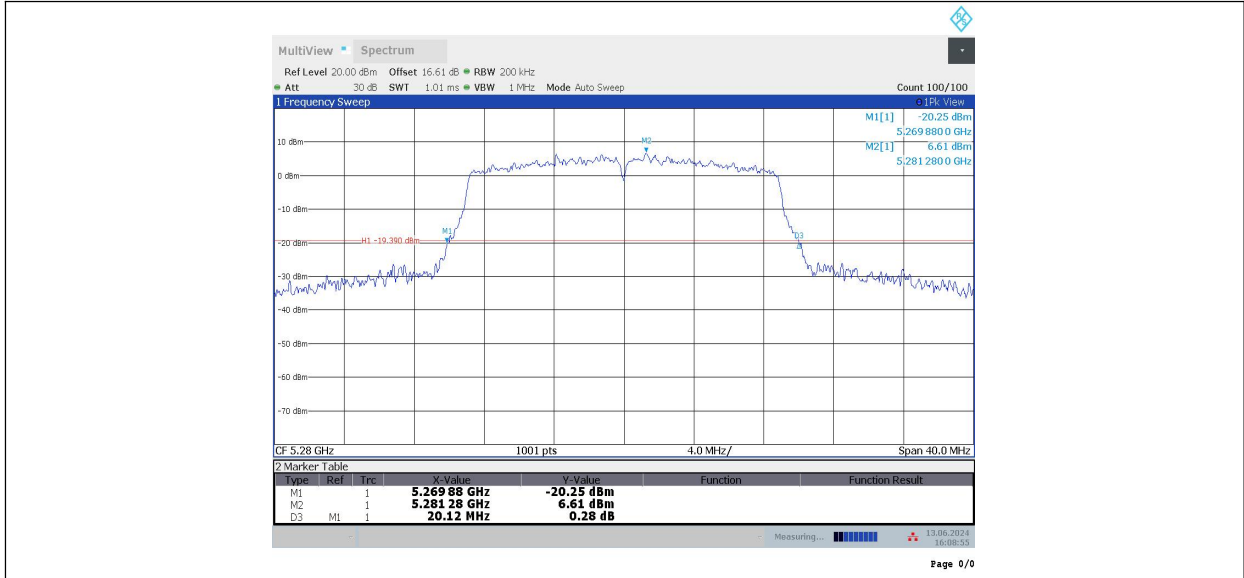
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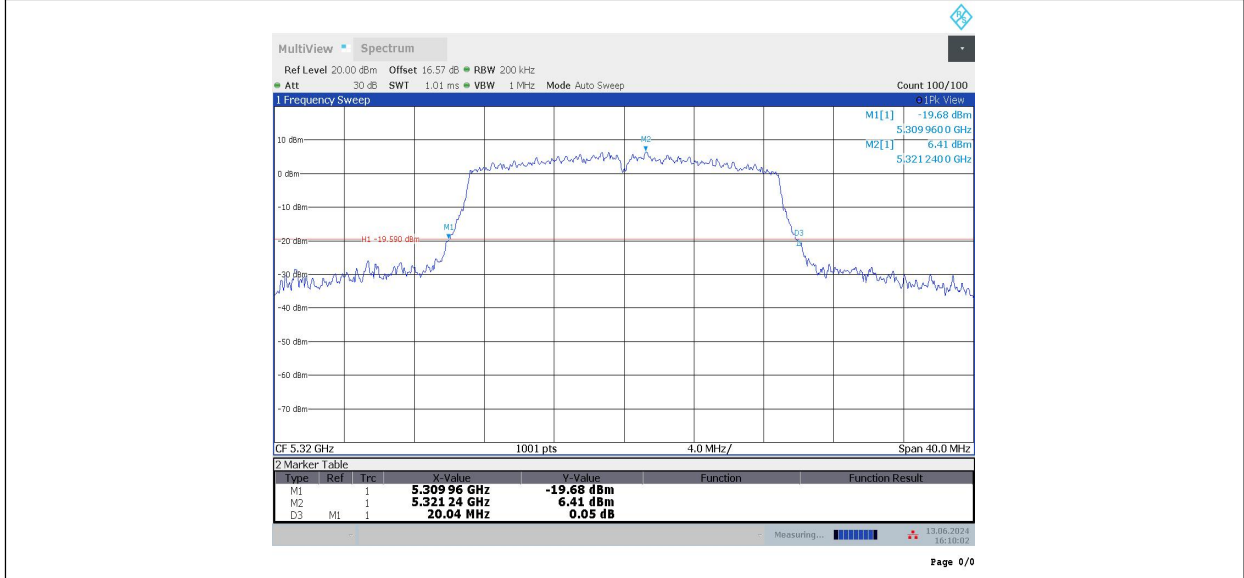
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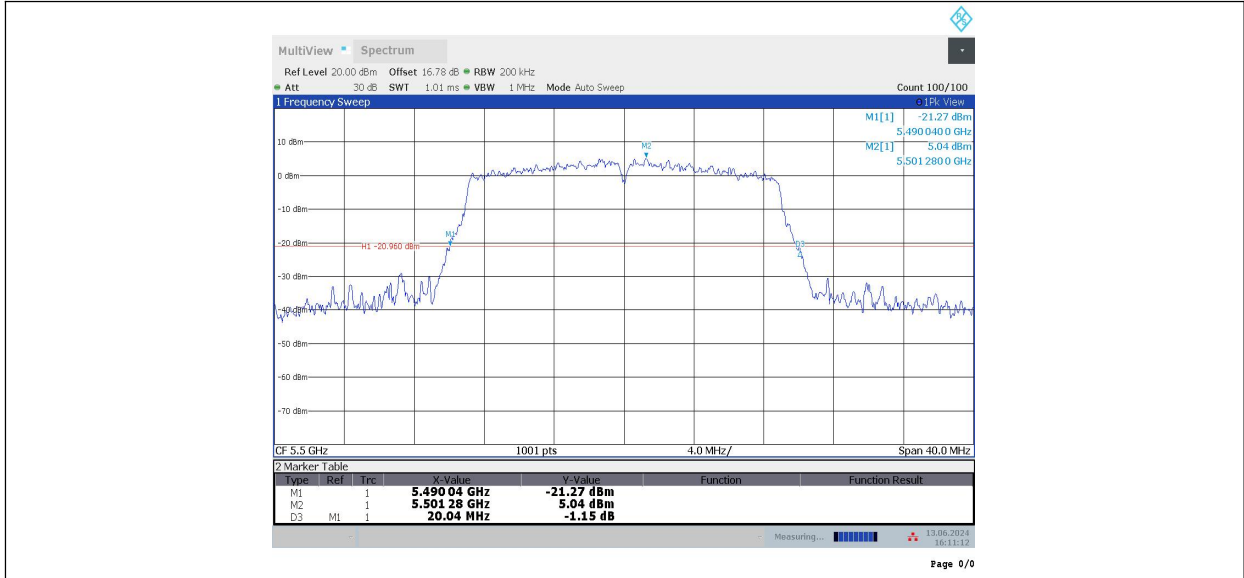
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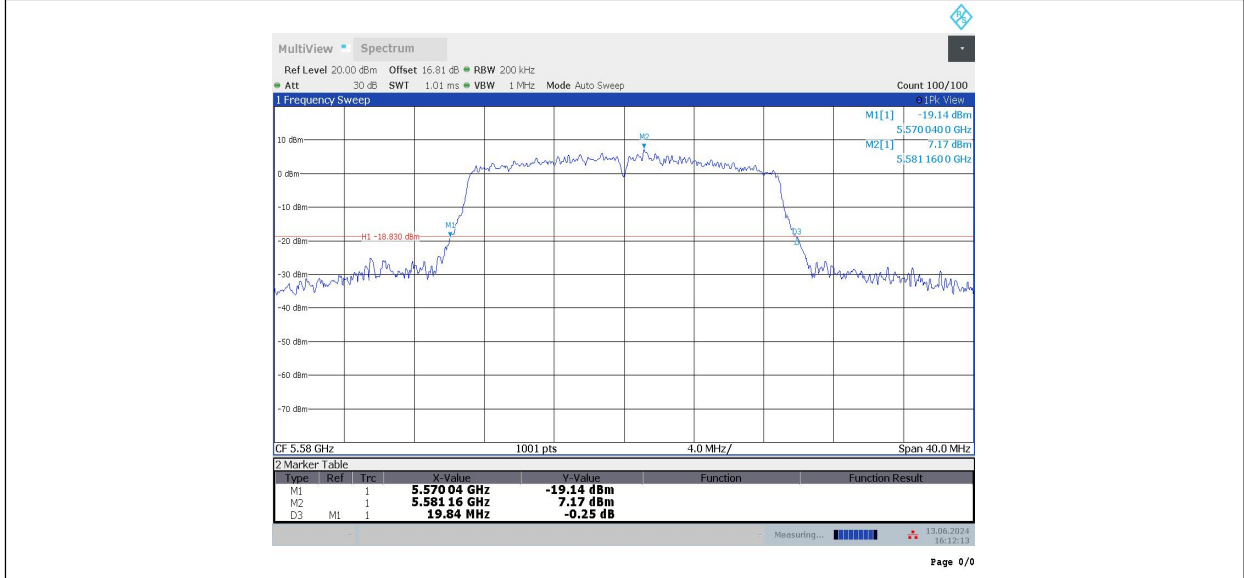
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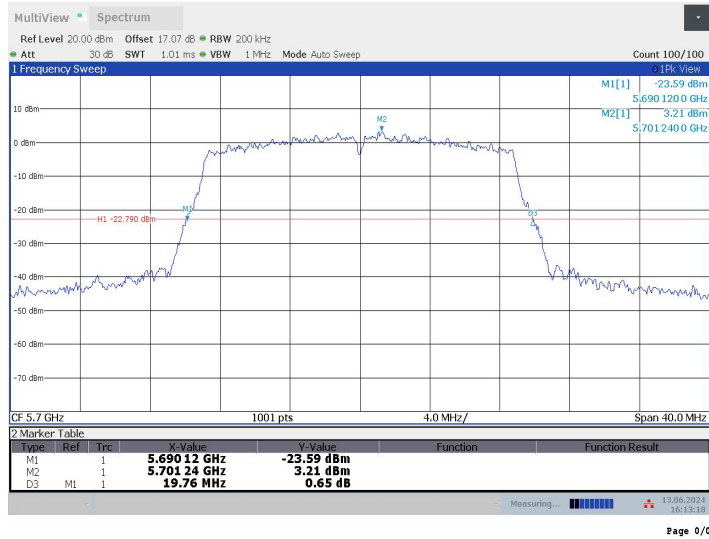
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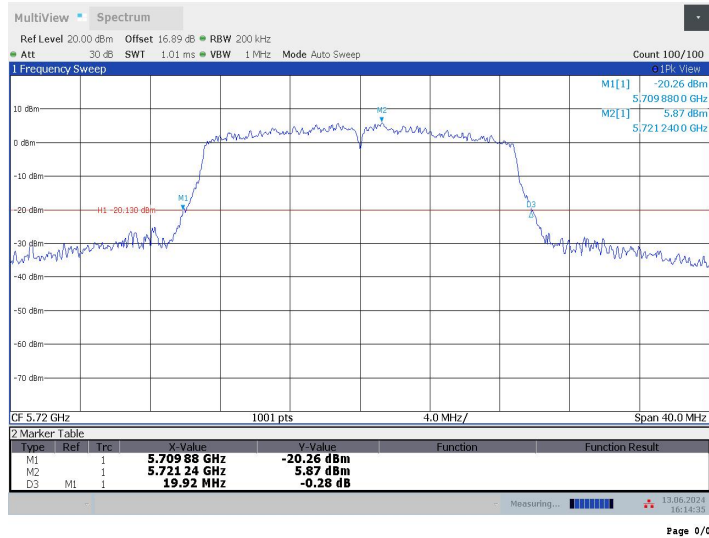
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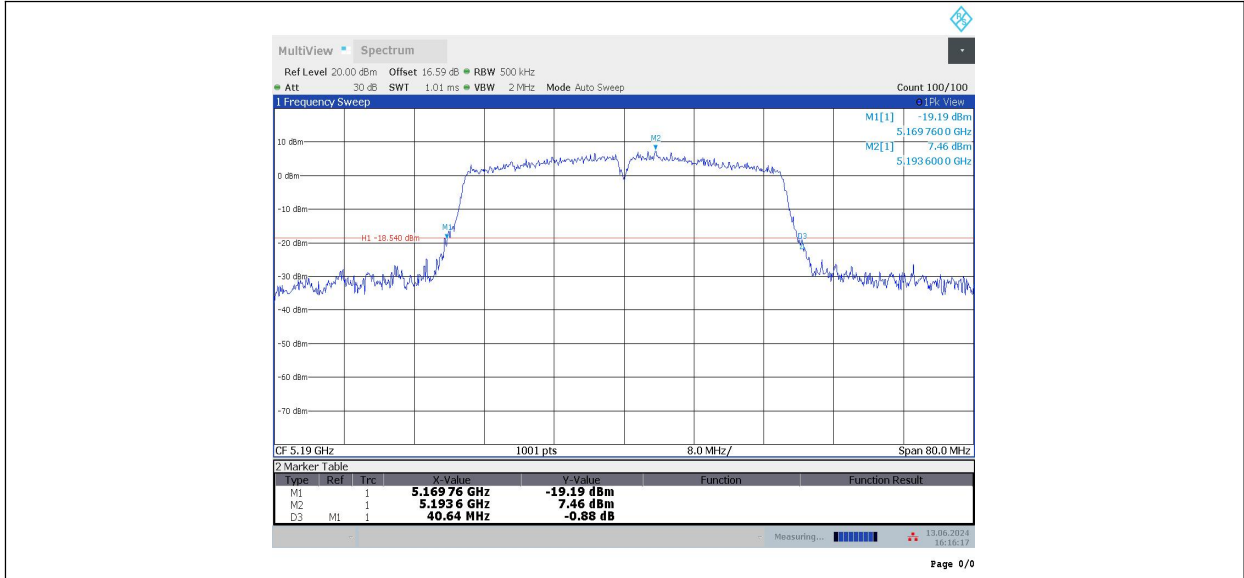
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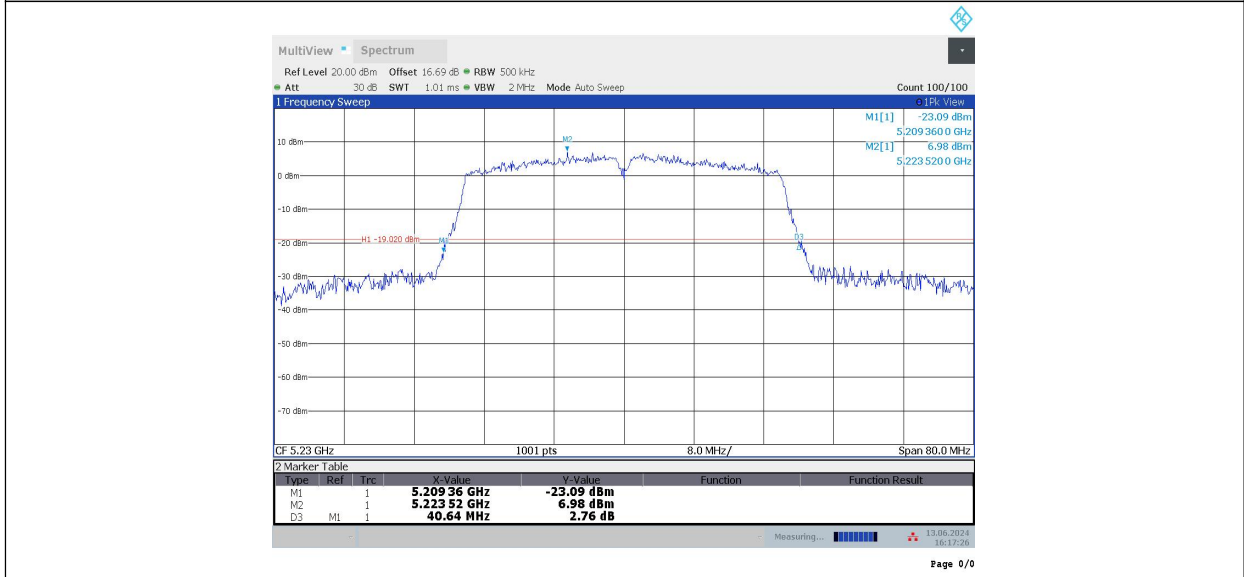
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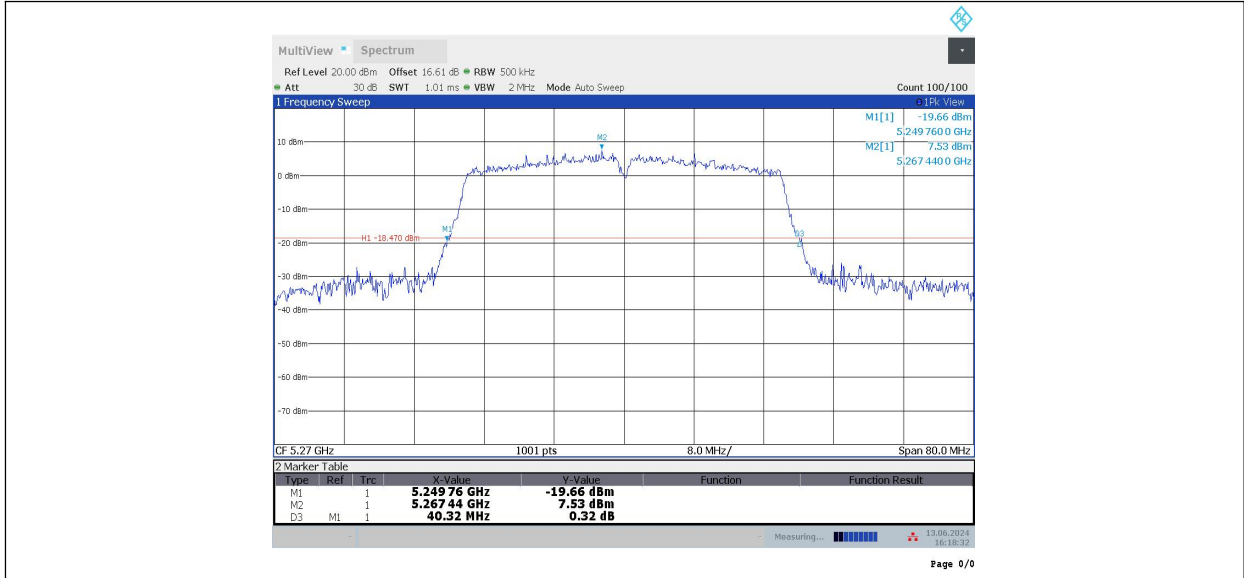
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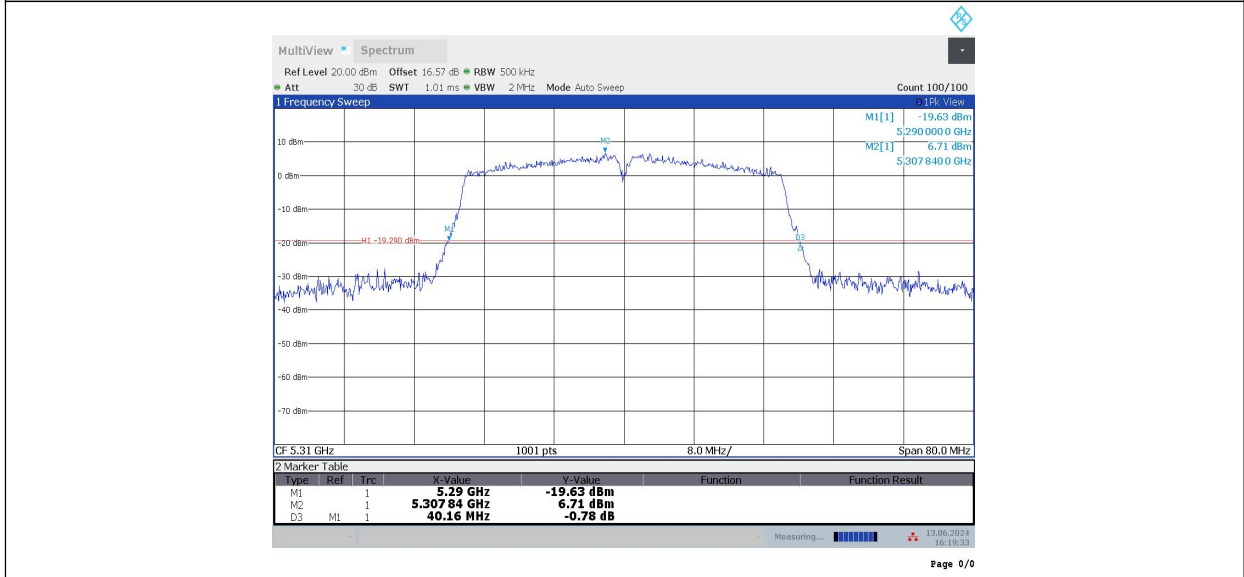
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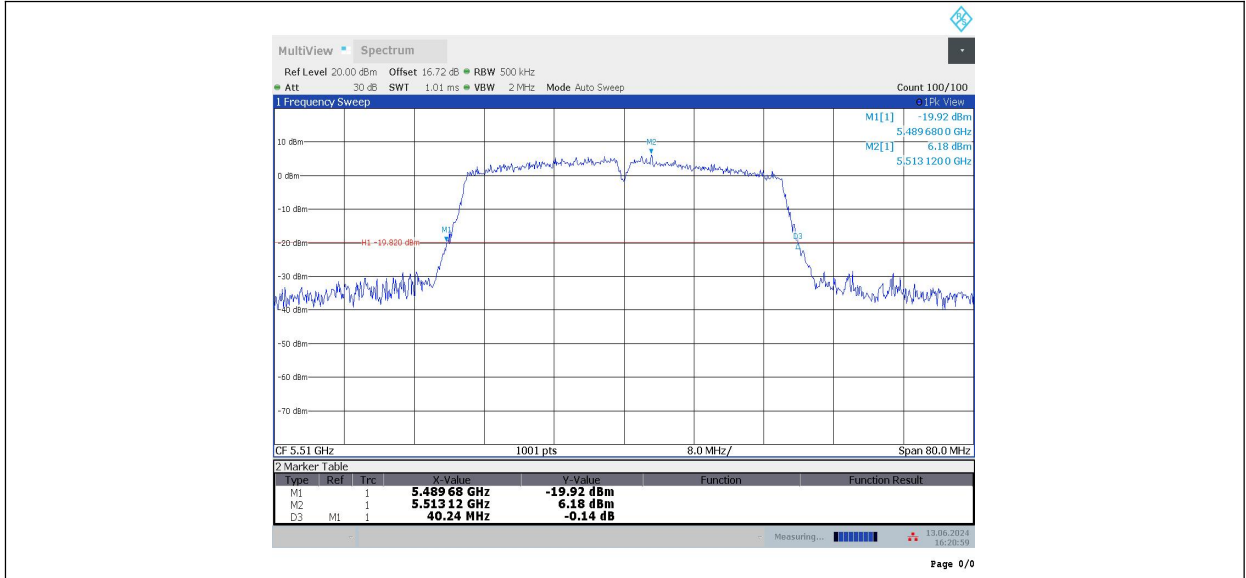
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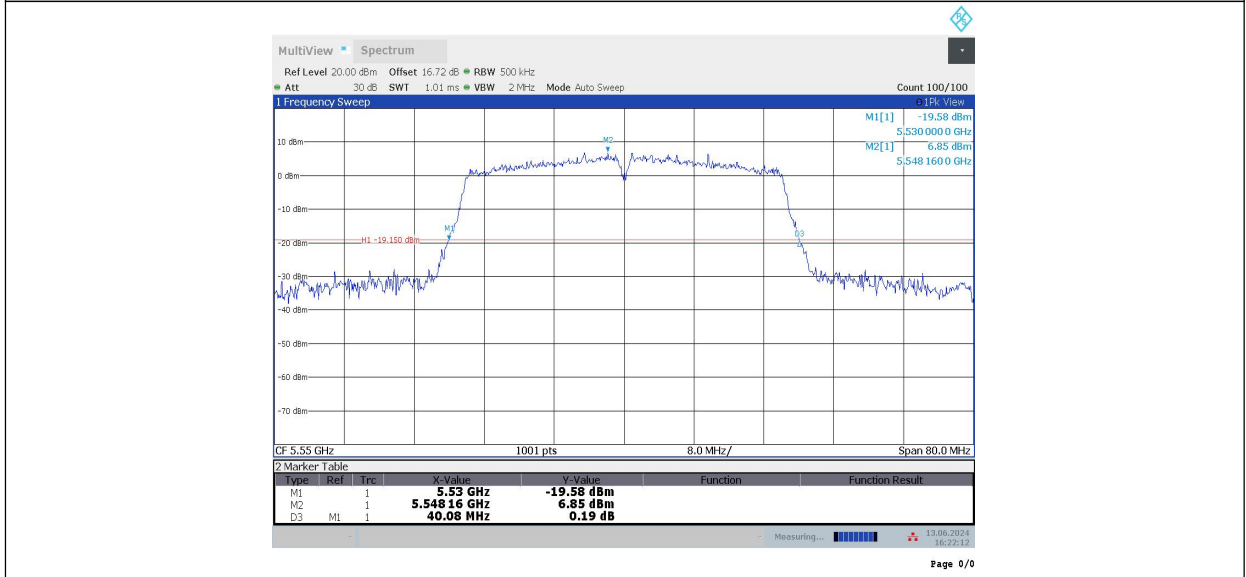
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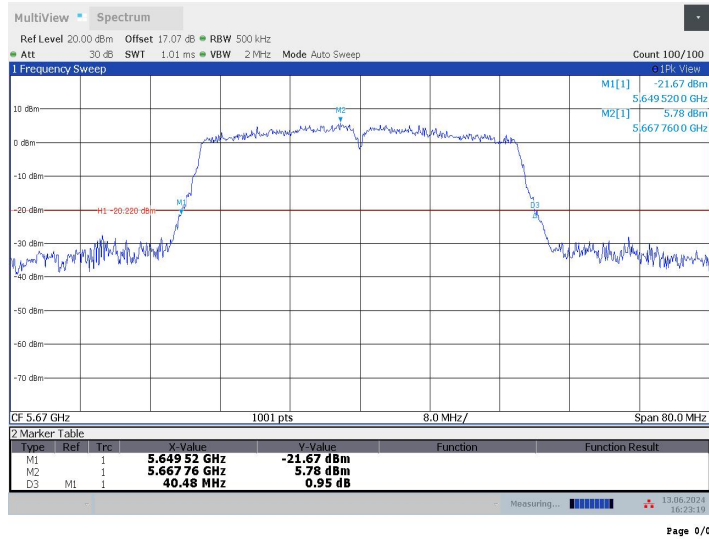
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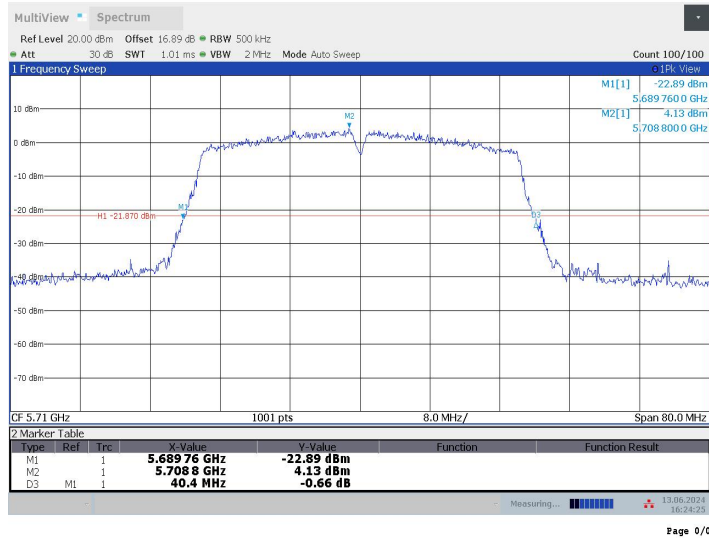
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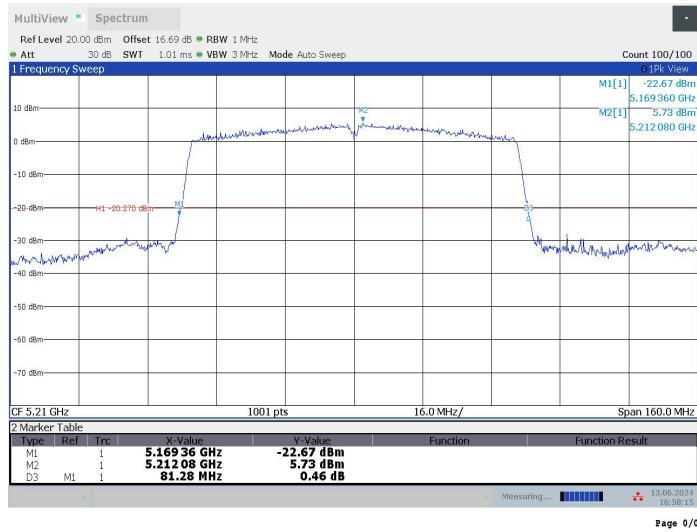
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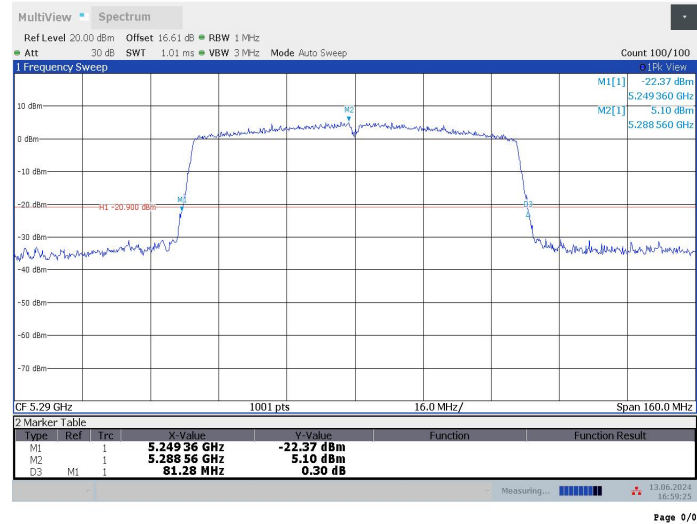
11N40SISO_5710



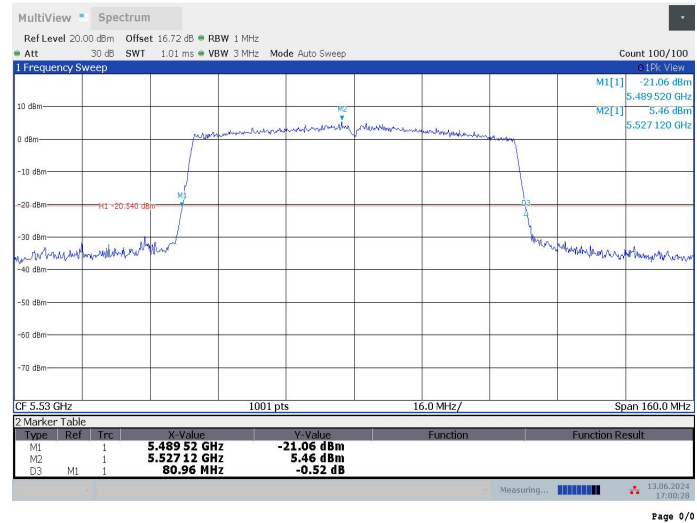
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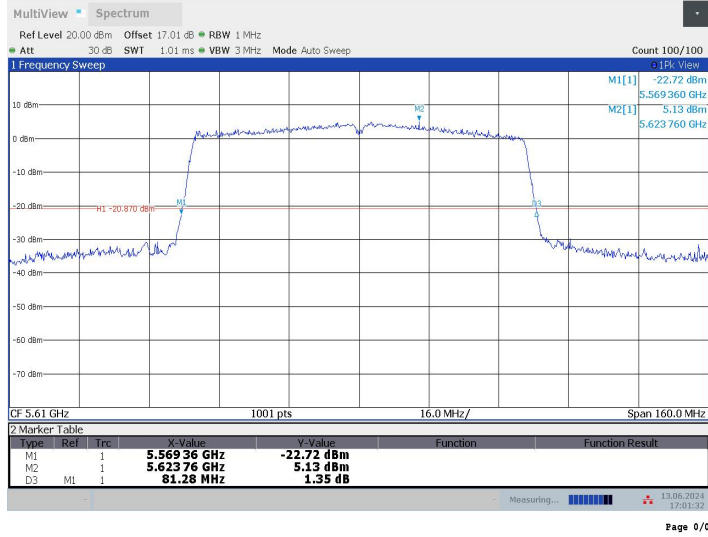
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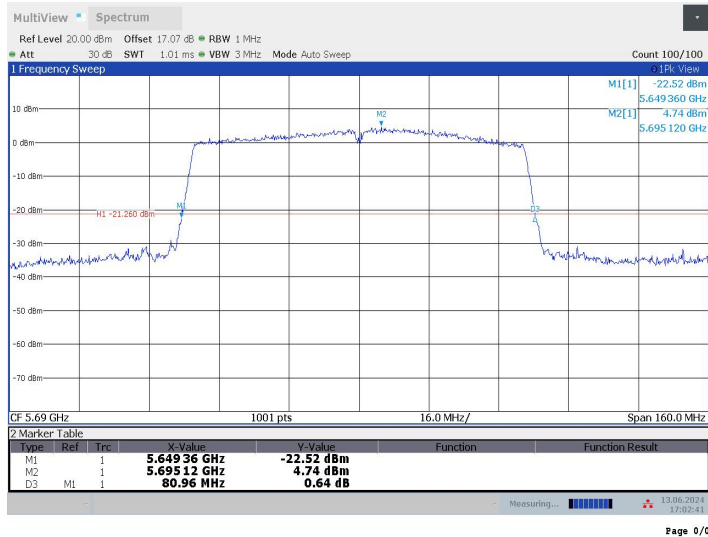
11AC80SISO_5530



11AC80SISO_5610



11AC80SISO_5690



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(μ V/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 (μ V/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

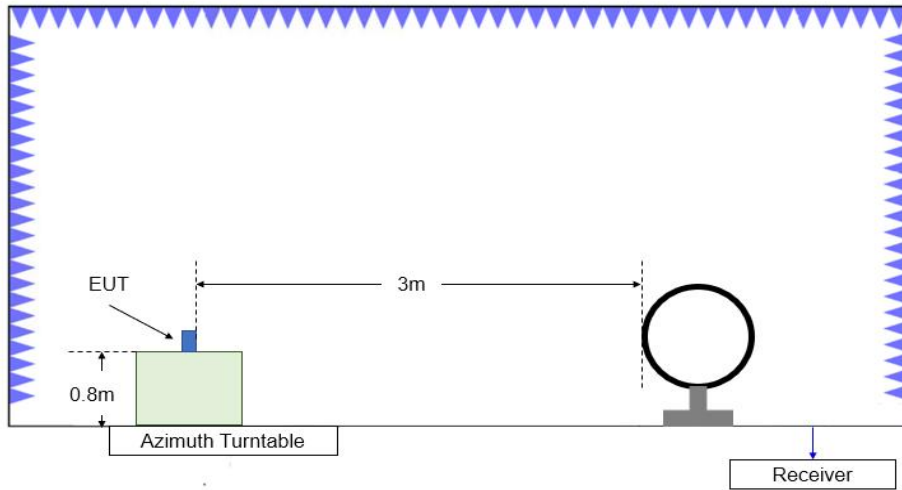


Figure A.5.1. Test Site Diagram (9kHz-30MHz)

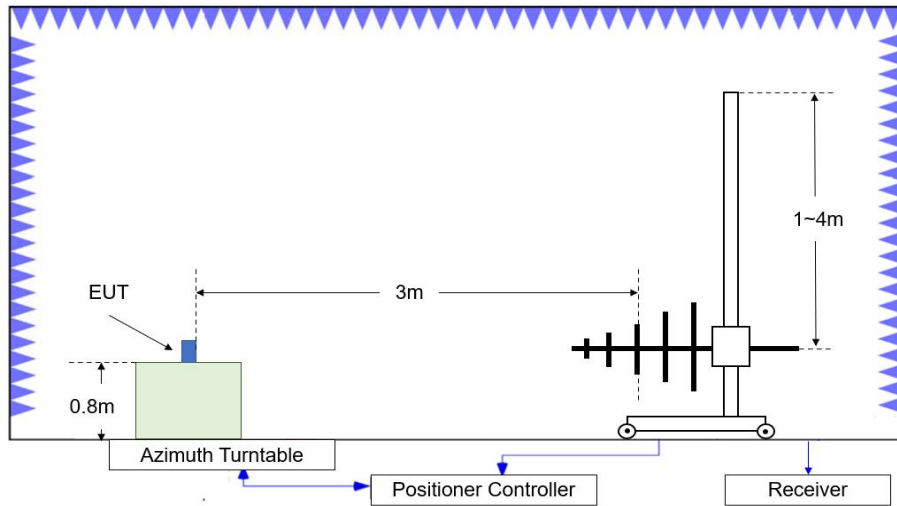


Figure A.5.2. Test Site Diagram (30MHz-1GHz)

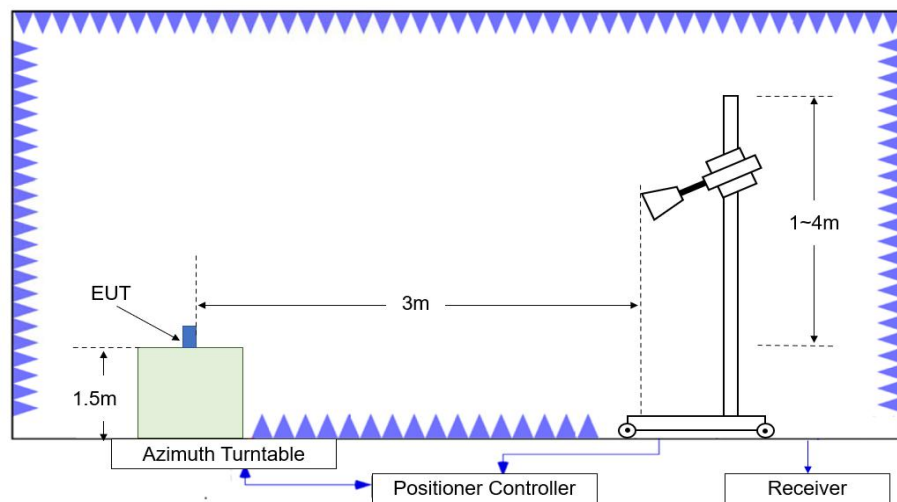


Figure A.5.3. Test Site Diagram (1GHz-40GHz)

A.5.3 Test Procedures

Radiated unwanted emissions from the EUT were measured according to ANSI C63.10 and 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 (dB μ V/m) = P_{measurement} (dB μ V) + 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:

$$E = \text{EIRP} - 20 \log(D) + 104.77$$

Where:

E is the field strength in dB μ V/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. Measurement frequencies were performed from 9 kHz to 40GHz.

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)
5144.625	45.37	-22.68	34.37	33.68	54.00	8.63	V
5149.875	45.87	-22.49	34.40	33.96	54.00	8.13	V
10360.000	36.03	-29.34	37.50	27.86	54.00	17.97	H
15540.000	37.74	-24.58	40.14	22.18	54.00	16.26	V
17900.000	39.24	-23.37	41.20	21.41	54.00	14.76	H
17995.000	39.55	-23.26	41.20	21.61	54.00	14.45	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)
4998.250	44.29	-23.30	34.10	33.49	54.00	9.71	V
5410.875	44.51	-22.40	34.83	32.08	54.00	9.49	V
10400.000	37.06	-29.63	37.50	29.19	54.00	16.94	V
15697.000	38.20	-24.31	40.30	22.22	54.00	15.80	V
17956.000	39.60	-23.54	41.20	21.95	54.00	14.40	H
17995.000	39.85	-23.26	41.20	21.91	54.00	14.15	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)
5403.500	44.45	-22.52	34.88	32.09	54.00	9.55	V
5410.125	44.48	-22.39	34.84	32.02	54.00	9.52	V
10480.000	37.31	-29.51	37.58	29.24	54.00	16.69	V
15881.000	38.84	-24.45	40.66	22.64	54.00	15.16	V
17907.500	39.77	-23.42	41.20	21.99	54.00	14.23	H
17997.500	40.27	-23.20	41.20	22.27	54.00	13.73	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)
5145.875	44.28	-22.63	34.38	32.54	54.00	9.72	V
5149.125	44.33	-22.52	34.39	32.45	54.00	9.67	V
11926.000	35.70	-29.17	38.73	26.14	54.00	18.30	H
15780.000	37.38	-24.91	40.46	21.84	54.00	16.62	V
17951.500	39.33	-23.54	41.20	21.66	54.00	14.67	H
17988.500	39.56	-23.39	41.20	21.75	54.00	14.44	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)
5148.250	44.44	-22.55	34.39	32.59	54.00	9.56	V
5411.000	44.49	-22.41	34.83	32.06	54.00	9.51	V
11830.000	35.69	-28.95	38.63	26.01	54.00	18.31	H
15840.000	37.98	-24.71	40.58	22.10	54.00	16.02	H
17950.000	39.43	-23.54	41.20	21.77	54.00	14.57	V
17988.000	39.60	-23.39	41.20	21.79	54.00	14.40	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)
5351.000	44.70	-22.90	35.00	32.60	54.00	9.30	V
5353.000	44.66	-22.92	34.99	32.59	54.00	9.34	V
10640.000	41.04	-29.78	37.70	33.12	54.00	12.96	V
15960.000	37.73	-24.72	40.82	21.64	54.00	16.27	V
17966.000	39.52	-23.46	41.20	21.78	54.00	14.48	H
17991.500	39.69	-23.34	41.20	21.84	54.00	14.31	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)
5371.125	44.45	-22.89	34.96	32.38	54.00	9.55	V
5421.000	44.41	-22.63	34.77	32.27	54.00	9.59	V
11000.000	35.23	-30.56	37.80	27.99	54.00	18.77	V
15853.000	38.60	-24.56	40.61	22.55	54.00	15.40	V
17916.000	39.70	-23.59	41.20	22.10	54.00	14.30	H
17995.000	40.25	-23.26	41.20	22.31	54.00	13.75	V

Channel 116

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)
5369.875	44.39	-22.90	34.96	32.33	54.00	9.61	V
5142.000	44.64	-22.77	34.35	33.06	54.00	9.36	V
11159.500	35.67	-30.31	37.90	28.08	54.00	18.33	H
15853.000	38.58	-24.56	40.61	22.53	54.00	15.42	V
17942.500	39.79	-23.44	41.20	22.03	54.00	14.21	V
17990.000	40.14	-23.38	41.20	22.32	54.00	13.86	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)
5368.375	44.30	-22.92	34.96	32.26	54.00	9.70	V
5455.625	44.07	-22.61	34.60	32.08	54.00	9.93	V
11307.000	35.02	-29.60	38.01	26.61	54.00	18.98	H
15885.500	38.54	-24.50	40.67	22.36	54.00	15.46	H
17955.500	39.86	-23.54	41.20	22.21	54.00	14.14	H
17998.000	40.16	-23.19	41.20	22.15	54.00	13.84	V

Channel 144

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)
5411.250	44.66	-22.41	34.83	32.24	54.00	9.34	V
5417.000	44.48	-22.54	34.80	32.23	54.00	9.52	V
11442.000	37.17	-29.27	38.18	28.27	54.00	16.83	H
15878.000	39.14	-24.50	40.66	22.98	54.00	14.86	H
17966.500	40.42	-23.45	41.20	22.67	54.00	13.58	V
17989.500	40.75	-23.38	41.20	22.93	54.00	13.25	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)
5144.750	45.31	-22.67	34.37	33.62	54.00	8.69	V
5147.875	45.47	-22.56	34.39	33.64	54.00	8.53	V
10358.000	35.94	-29.33	37.50	27.77	54.00	18.06	H
15541.000	38.07	-24.57	40.14	22.50	54.00	15.93	H
17981.500	40.05	-23.43	41.20	22.28	54.00	13.95	H
17985.000	40.08	-23.41	41.20	22.29	54.00	13.92	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)
5148.500	44.84	-22.54	34.39	32.98	54.00	9.16	V
5411.625	44.43	-22.42	34.83	32.02	54.00	9.57	V
10400.000	36.84	-29.63	37.50	28.98	54.00	17.16	V
15695.000	38.34	-24.28	40.30	22.33	54.00	15.66	V
17972.500	39.92	-23.41	41.20	22.13	54.00	14.08	H
17995.500	40.09	-23.25	41.20	22.13	54.00	13.91	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)
5403.750	44.45	-22.51	34.88	32.09	54.00	9.55	V
5410.875	44.51	-22.40	34.83	32.07	54.00	9.49	V
10480.500	37.28	-29.52	37.58	29.22	54.00	16.72	H
15695.500	38.48	-24.29	40.30	22.47	54.00	15.52	V
17940.000	39.81	-23.41	41.20	22.02	54.00	14.19	H
17994.500	40.06	-23.27	41.20	22.13	54.00	13.94	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)
5142.500	44.06	-22.75	34.36	32.46	54.00	9.94	V
5145.125	44.27	-22.66	34.37	32.56	54.00	9.73	V
11830.500	35.81	-28.97	38.63	26.15	54.00	18.19	H
15780.000	37.56	-24.91	40.46	22.02	54.00	16.44	V
17970.500	39.66	-23.40	41.20	21.86	54.00	14.34	V
17987.000	39.77	-23.40	41.20	21.96	54.00	14.23	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)
5149.500	44.32	-22.50	34.40	32.43	54.00	9.68	V
5411.000	44.37	-22.41	34.83	31.94	54.00	9.63	V
11830.500	35.69	-28.97	38.63	26.03	54.00	18.31	V
15840.000	38.19	-24.71	40.58	22.32	54.00	15.81	H
17947.500	39.60	-23.50	41.20	21.90	54.00	14.40	V
17992.500	39.83	-23.32	41.20	21.95	54.00	14.17	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)
5349.875	44.73	-22.89	35.00	32.62	54.00	9.27	V
5353.250	44.52	-22.92	34.99	32.45	54.00	9.48	V
10640.000	40.41	-29.78	37.70	32.48	54.00	13.59	V
15960.000	37.82	-24.72	40.82	21.72	54.00	16.18	H
17948.500	39.56	-23.52	41.20	21.88	54.00	14.44	H
17986.500	39.80	-23.40	41.20	22.00	54.00	14.20	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)
5370.500	44.54	-22.90	34.96	32.48	54.00	9.46	V
5410.375	44.79	-22.39	34.84	32.35	54.00	9.21	V
10998.500	35.37	-30.57	37.80	28.14	54.00	18.63	V
15855.500	38.46	-24.58	40.61	22.43	54.00	15.54	H
17900.000	39.66	-23.37	41.20	21.83	54.00	14.34	H
17996.500	40.15	-23.23	41.20	22.17	54.00	13.85	H

Channel 116

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)
5370.125	44.47	-22.90	34.96	32.41	54.00	9.53	V
5416.125	44.58	-22.52	34.80	32.29	54.00	9.42	V
11158.000	35.25	-30.28	37.90	27.63	54.00	18.75	V
15860.500	38.42	-24.61	40.62	22.41	54.00	15.58	V
17902.500	39.55	-23.39	41.20	21.73	54.00	14.45	V
17981.500	39.97	-23.43	41.20	22.20	54.00	14.03	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)
5372.000	44.34	-22.88	34.96	32.26	54.00	9.66	V
5410.125	44.45	-22.39	34.84	31.99	54.00	9.55	V
11397.500	34.64	-29.30	38.10	25.84	54.00	19.36	H
15854.000	38.43	-24.56	40.61	22.39	54.00	15.57	H
17985.000	39.95	-23.41	41.20	22.16	54.00	14.05	H
17998.000	40.03	-23.19	41.20	22.02	54.00	13.97	V

Channel 144

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)
5373.625	44.52	-22.85	34.95	32.43	54.00	9.48	V
5412.000	44.61	-22.43	34.83	32.21	54.00	9.39	V
11440.000	37.08	-29.39	38.18	28.28	54.00	16.92	V
15852.500	38.56	-24.55	40.61	22.51	54.00	15.44	V
17974.000	39.92	-23.42	41.20	22.14	54.00	14.08	H
17992.000	40.06	-23.33	41.20	22.19	54.00	13.94	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)
5148.000	45.21	-22.56	34.39	33.38	54.00	8.79	V
5148.750	45.28	-22.53	34.39	33.42	54.00	8.72	V
11909.500	35.46	-29.67	38.71	26.42	54.00	18.54	H
15570.000	37.51	-24.84	40.17	22.18	54.00	16.49	V
17895.500	39.39	-23.45	41.20	21.64	54.00	14.61	H
17981.500	39.48	-23.43	41.20	21.72	54.00	14.52	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)
5408.625	44.61	-22.41	34.85	32.17	54.00	9.39	V
5411.875	44.50	-22.43	34.83	32.09	54.00	9.50	V
11833.500	35.77	-29.10	38.63	26.23	54.00	18.23	H
15690.000	37.83	-24.22	40.29	21.76	54.00	16.17	V
17983.500	39.64	-23.42	41.20	21.86	54.00	14.36	H
17994.500	39.74	-23.27	41.20	21.82	54.00	14.26	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)
5144.625	44.31	-22.68	34.37	32.62	54.00	9.69	V
5150.000	44.37	-22.49	34.40	32.46	54.00	9.63	V
11827.000	35.93	-28.96	38.63	26.27	54.00	18.07	V
15810.000	37.78	-24.91	40.52	22.17	54.00	16.22	H
17986.500	40.29	-23.40	41.20	22.49	54.00	13.71	H
17997.000	40.38	-23.21	41.20	22.40	54.00	13.62	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)
5352.375	44.52	-22.91	35.00	32.44	54.00	9.48	V
5354.625	44.46	-22.94	34.99	32.40	54.00	9.54	V
10620.000	37.65	-29.69	37.70	29.64	54.00	16.35	V
15930.000	38.52	-24.68	40.76	22.44	54.00	15.48	V
17974.500	40.05	-23.42	41.20	22.27	54.00	13.95	H
17991.500	40.28	-23.34	41.20	22.43	54.00	13.72	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)
5409.375	44.76	-22.40	34.84	32.31	54.00	9.24	V
5412.375	44.80	-22.44	34.83	32.41	54.00	9.20	V
11017.000	34.71	-30.48	37.82	27.37	54.00	19.29	V
15850.500	38.46	-24.54	40.60	22.39	54.00	15.54	H
17939.500	39.69	-23.42	41.20	21.90	54.00	14.31	H
17992.000	40.07	-23.33	41.20	22.21	54.00	13.93	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)
5407.625	44.63	-22.43	34.85	32.21	54.00	9.37	V
5415.375	44.57	-22.50	34.81	32.27	54.00	9.43	V
11178.500	34.42	-30.40	37.90	26.92	54.00	19.58	V
15854.000	38.64	-24.56	40.61	22.59	54.00	15.36	V
17945.000	39.82	-23.47	41.20	22.09	54.00	14.18	H
17996.000	40.19	-23.24	41.20	22.23	54.00	13.81	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)
5392.000	44.45	-22.79	34.92	32.33	54.00	9.55	V
5414.875	44.54	-22.49	34.81	32.22	54.00	9.46	V
11304.500	35.04	-29.64	38.00	26.68	54.00	18.96	V
15853.500	38.59	-24.56	40.61	22.54	54.00	15.41	V
17941.000	39.82	-23.42	41.20	22.04	54.00	14.18	V
17997.000	40.24	-23.21	41.20	22.26	54.00	13.76	H

Channel 142

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)
5399.375	44.53	-22.61	34.90	32.23	54.00	9.47	V
5411.000	44.60	-22.41	34.83	32.18	54.00	9.40	V
11411.000	35.19	-29.30	38.12	26.36	54.00	18.81	V
15846.000	38.18	-24.60	40.59	22.19	54.00	15.82	V
17965.500	39.53	-23.47	41.20	21.80	54.00	14.47	H
17997.500	39.74	-23.20	41.20	21.74	54.00	14.26	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)
5138.250	44.39	-22.88	34.33	32.94	54.00	9.61	V
5146.500	44.49	-22.61	34.38	32.73	54.00	9.51	V
10360.000	35.42	-29.34	37.50	27.26	54.00	18.58	V
15702.500	38.31	-24.40	40.31	22.40	54.00	15.69	V
17910.500	39.63	-23.45	41.20	21.88	54.00	14.37	V
17997.500	40.03	-23.20	41.20	22.04	54.00	13.97	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)
5148.375	44.56	-22.54	34.39	32.72	54.00	9.44	V
5412.625	44.56	-22.44	34.82	32.18	54.00	9.44	V
10402.500	35.81	-29.49	37.50	27.80	54.00	18.19	V
15698.500	38.29	-24.33	40.30	22.32	54.00	15.71	H
17907.000	39.62	-23.42	41.20	21.84	54.00	14.38	V
17996.500	40.01	-23.23	41.20	22.04	54.00	13.99	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)
5406.125	44.46	-22.46	34.86	32.06	54.00	9.54	V
5409.625	44.55	-22.39	34.84	32.10	54.00	9.45	V
10401.500	35.74	-29.55	37.50	27.79	54.00	18.26	H
15694.500	38.34	-24.28	40.29	22.32	54.00	15.66	V
17975.000	39.76	-23.42	41.20	21.98	54.00	14.24	V
17993.500	39.90	-23.30	41.20	22.00	54.00	14.10	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)
5144.625	44.21	-22.68	34.37	32.52	54.00	9.79	V
5148.875	44.28	-22.53	34.39	32.41	54.00	9.72	V
11823.500	35.99	-28.97	38.62	26.34	54.00	18.01	V
15780.000	37.75	-24.91	40.46	22.21	54.00	16.25	H
17971.500	40.09	-23.41	41.20	22.30	54.00	13.91	H
17985.500	40.41	-23.41	41.20	22.62	54.00	13.59	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)
5149.500	44.28	-22.50	34.40	32.39	54.00	9.72	V
5408.250	44.35	-22.42	34.85	31.92	54.00	9.65	V
11813.500	36.01	-29.13	38.61	26.52	54.00	17.99	H
15840.000	38.41	-24.71	40.58	22.53	54.00	15.59	V
17986.000	40.28	-23.40	41.20	22.49	54.00	13.72	V
17991.500	40.37	-23.34	41.20	22.52	54.00	13.63	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)
5407.750	44.30	-22.43	34.85	31.88	54.00	9.70	V
5409.500	44.42	-22.39	34.84	31.98	54.00	9.58	V
10639.500	37.38	-29.79	37.70	29.47	54.00	16.62	V
15960.000	38.10	-24.72	40.82	22.00	54.00	15.90	H
17964.500	39.98	-23.48	41.20	22.26	54.00	14.02	V
17993.000	40.29	-23.31	41.20	22.40	54.00	13.71	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)
5371.750	44.49	-22.88	34.96	32.41	54.00	9.51	V
5420.125	44.45	-22.61	34.78	32.29	54.00	9.55	V
10995.000	34.41	-30.58	37.80	27.19	54.00	19.59	H
15854.500	38.44	-24.57	40.61	22.40	54.00	15.56	H
17957.500	39.72	-23.55	41.20	22.06	54.00	14.28	H
17996.500	39.97	-23.23	41.20	22.00	54.00	14.03	V

Channel 116

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)
5371.250	44.43	-22.89	34.96	32.36	54.00	9.57	V
5142.625	44.53	-22.75	34.36	32.92	54.00	9.47	V
11160.500	34.31	-30.32	37.90	26.73	54.00	19.69	H
15850.000	38.47	-24.53	40.60	22.40	54.00	15.53	H
17980.000	39.93	-23.44	41.20	22.17	54.00	14.07	V
17993.500	40.00	-23.30	41.20	22.10	54.00	14.00	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)
5377.625	44.39	-22.80	34.94	32.25	54.00	9.61	V
5414.625	44.50	-22.49	34.81	32.17	54.00	9.50	V
11303.500	34.86	-29.66	38.00	26.52	54.00	19.14	V
15851.000	38.42	-24.54	40.60	22.36	54.00	15.58	H
17964.000	39.72	-23.49	41.20	22.01	54.00	14.28	H
17998.500	39.98	-23.18	41.20	21.96	54.00	14.02	V

Channel 144

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)
5409.000	44.65	-22.40	34.85	32.21	54.00	9.35	V
5414.625	44.60	-22.49	34.81	32.28	54.00	9.40	V
11441.000	35.45	-29.33	38.18	26.59	54.00	18.55	H
15847.500	38.35	-24.58	40.60	22.33	54.00	15.65	V
17900.500	39.58	-23.37	41.20	21.76	54.00	14.42	H
17997.500	39.90	-23.20	41.20	21.90	54.00	14.10	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)
5145.250	44.53	-22.66	34.37	32.82	54.00	9.47	V
5149.750	44.63	-22.49	34.40	32.72	54.00	9.37	V
11826.000	35.77	-28.96	38.63	26.11	54.00	18.23	V
15570.000	37.55	-24.84	40.17	22.22	54.00	16.45	V
17948.000	39.52	-23.51	41.20	21.83	54.00	14.48	V
17985.000	39.61	-23.41	41.20	21.82	54.00	14.39	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)
5399.500	44.39	-22.60	34.90	32.09	54.00	9.61	V
5408.625	44.40	-22.41	34.85	31.96	54.00	9.60	V
11937.000	35.67	-29.32	38.74	26.25	54.00	18.33	V
15690.000	37.86	-24.22	40.29	21.78	54.00	16.14	H
17897.000	39.45	-23.42	41.20	21.67	54.00	14.55	V
17959.000	39.53	-23.55	41.20	21.88	54.00	14.47	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)
5146.625	44.21	-22.61	34.38	32.44	54.00	9.79	V
5148.125	44.34	-22.55	34.39	32.50	54.00	9.66	V
11830.500	36.03	-28.97	38.63	26.37	54.00	17.97	V
15810.000	37.95	-24.91	40.52	22.34	54.00	16.05	H
17989.500	40.24	-23.38	41.20	22.42	54.00	13.76	V
17997.000	40.46	-23.21	41.20	22.47	54.00	13.54	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)
5410.125	44.46	-22.39	34.84	32.01	54.00	9.54	V
5414.375	44.35	-22.48	34.81	32.02	54.00	9.65	V
10620.500	35.95	-29.70	37.70	27.95	54.00	18.05	V
15930.000	38.42	-24.68	40.76	22.34	54.00	15.58	H
17987.000	40.24	-23.40	41.20	22.44	54.00	13.76	V
17996.000	40.30	-23.24	41.20	22.34	54.00	13.70	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)
5408.875	44.66	-22.41	34.85	32.22	54.00	9.34	V
5411.875	44.71	-22.43	34.83	32.31	54.00	9.29	V
11010.500	34.42	-30.38	37.81	27.00	54.00	19.58	H
15860.500	38.44	-24.61	40.62	22.43	54.00	15.56	H
17975.500	39.96	-23.42	41.20	22.18	54.00	14.04	V
17996.000	40.11	-23.24	41.20	22.15	54.00	13.89	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)
5408.375	44.69	-22.42	34.85	32.26	54.00	9.31	V
5416.000	44.59	-22.52	34.80	32.30	54.00	9.41	V
11301.500	34.90	-29.69	38.00	26.58	54.00	19.10	V
15855.000	38.51	-24.57	40.61	22.47	54.00	15.49	H
17940.000	39.73	-23.41	41.20	21.93	54.00	14.27	V
17994.500	40.08	-23.27	41.20	22.15	54.00	13.92	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)
5369.875	44.39	-22.90	34.96	32.33	54.00	9.61	V
5411.375	44.58	-22.41	34.83	32.16	54.00	9.42	V
11306.000	34.95	-29.62	38.01	26.56	54.00	19.05	H
15851.500	38.49	-24.54	40.60	22.43	54.00	15.51	V
17942.500	39.78	-23.44	41.20	22.02	54.00	14.22	V
17997.000	40.23	-23.21	41.20	22.25	54.00	13.77	V

Channel 142

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)
5378.750	44.56	-22.79	34.94	32.41	54.00	9.44	V
5411.375	44.66	-22.41	34.83	32.24	54.00	9.34	V
11412.500	34.55	-29.30	38.13	25.72	54.00	19.45	V
15853.500	38.10	-24.56	40.61	22.05	54.00	15.90	H
17942.500	39.42	-23.44	41.20	21.66	54.00	14.58	V
17993.500	39.67	-23.30	41.20	21.77	54.00	14.33	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)
5112.375	45.76	-22.46	34.17	34.05	54.00	8.24	V
5133.250	44.88	-22.98	34.30	33.57	54.00	9.12	V
11832.000	36.04	-29.03	38.63	26.44	54.00	17.96	H
15630.000	37.44	-24.82	40.23	22.03	54.00	16.56	V
17981.500	40.28	-23.43	41.20	22.51	54.00	13.72	V
17987.500	40.21	-23.39	41.20	22.40	54.00	13.79	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)
5365.000	44.69	-22.95	34.97	32.66	54.00	9.31	V
5413.875	44.56	-22.47	34.82	32.22	54.00	9.44	V
11830.500	36.03	-28.97	38.63	26.37	54.00	17.97	H
15870.000	38.51	-24.71	40.64	22.58	54.00	15.49	V
17985.500	40.28	-23.41	41.20	22.48	54.00	13.72	V
17997.500	40.38	-23.20	41.20	22.38	54.00	13.62	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)
5454.250	44.74	-22.60	34.60	32.75	54.00	9.26	V
5458.250	44.73	-22.61	34.60	32.73	54.00	9.27	V
11304.000	35.05	-29.65	38.00	26.69	54.00	18.95	H
15851.500	38.62	-24.54	40.60	22.56	54.00	15.38	V
17939.500	39.80	-23.42	41.20	22.02	54.00	14.20	H
17984.000	40.25	-23.42	41.20	22.46	54.00	13.75	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)
5405.125	44.61	-22.48	34.87	32.22	54.00	9.39	V
5410.250	44.64	-22.39	34.84	32.19	54.00	9.36	V
11306.500	34.95	-29.61	38.01	26.56	54.00	19.05	H
15855.000	38.56	-24.57	40.61	22.52	54.00	15.44	V
17906.500	39.58	-23.41	41.20	21.80	54.00	14.42	H
17996.000	40.16	-23.24	41.20	22.20	54.00	13.84	H

Channel 138

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)
5411.125	44.66	-22.41	34.83	32.23	54.00	9.34	V
5414.500	44.58	-22.48	34.81	32.25	54.00	9.42	V
11303.000	35.01	-29.67	38.00	26.67	54.00	18.99	V
15858.500	38.70	-24.60	40.62	22.68	54.00	15.30	V
17940.000	39.85	-23.41	41.20	22.06	54.00	14.15	V
17998.000	40.40	-23.19	41.20	22.39	54.00	13.60	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)
5148.500	62.54	-22.54	34.39	50.69	74.00	11.46	H
5149.750	64.60	-22.49	34.40	52.69	74.00	9.40	V
10363.000	50.87	-29.27	37.50	42.64	68.30	17.43	V
15540.000	49.79	-24.58	40.14	34.22	74.00	24.21	V
16785.000	51.93	-24.18	41.50	34.61	68.30	16.37	V
17266.000	52.25	-23.59	40.93	34.91	68.30	16.05	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)
5161.000	58.52	-22.65	34.40	46.77	74.00	15.48	V
5239.000	58.67	-22.84	34.48	47.04	74.00	15.33	V
10400.500	52.21	-29.60	37.50	44.31	68.30	16.09	H
15600.000	49.81	-24.73	40.20	34.34	74.00	24.19	H
16877.000	52.40	-23.93	41.42	34.91	68.30	15.90	V
17230.500	52.77	-23.72	40.97	35.52	68.30	15.53	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)
5283.500	57.02	-22.98	34.70	45.29	74.00	16.98	V
5320.500	58.04	-22.63	34.88	45.79	74.00	15.96	H
10480.000	52.20	-29.51	37.58	44.14	68.30	16.10	V
15720.500	51.28	-24.76	40.34	35.69	74.00	22.72	H
17066.500	53.08	-23.81	41.27	35.63	68.30	15.22	H
17301.000	53.30	-23.72	40.90	36.13	68.30	14.99	H

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)
5199.000	57.94	-22.66	34.40	46.20	74.00	16.06	V
5219.000	58.09	-22.55	34.44	46.20	74.00	15.91	V
10524.500	54.08	-29.33	37.62	45.78	68.30	14.22	H
15780.000	48.78	-24.91	40.46	33.23	74.00	25.22	H
16842.000	52.34	-23.92	41.46	34.79	68.30	15.96	V
17325.000	52.52	-23.71	40.90	35.33	68.30	15.78	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)
5234.500	58.36	-22.81	34.47	46.70	68.30	9.94	H
5334.500	58.24	-22.98	34.94	46.28	68.30	10.06	H
10557.500	54.52	-29.37	37.66	46.24	68.30	13.78	V
15840.000	49.51	-24.71	40.58	33.64	74.00	24.49	V
16771.500	52.49	-24.20	41.50	35.19	68.30	15.81	H
17235.500	52.29	-23.68	40.96	35.00	68.30	16.01	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)
5350.538	67.32	-22.89	35.00	55.22	74.00	6.68	H
5350.762	67.87	-22.90	35.00	55.77	74.00	6.13	V
10643.000	54.41	-29.72	37.70	46.43	74.00	19.59	V
15960.000	48.35	-24.72	40.82	32.26	74.00	25.65	V
16769.000	51.89	-24.17	41.50	34.56	68.30	16.41	V
17394.000	52.28	-23.58	40.90	34.96	68.30	16.02	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)
5464.375	62.84	-22.64	34.60	50.88	68.30	5.46	H
5469.625	63.70	-22.68	34.60	51.77	68.30	4.60	H
11000.000	52.01	-30.56	37.80	44.77	74.00	21.99	V
16500.000	51.13	-24.34	41.30	34.17	68.30	17.17	H
16856.000	53.54	-23.72	41.44	35.82	68.30	14.76	H
17400.500	52.41	-23.45	40.90	34.96	68.30	15.89	H

Channel 116

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)
5506.500	58.17	-22.18	34.60	45.75	68.30	10.13	H
5673.000	58.82	-22.33	34.70	46.45	68.30	9.48	V
11167.000	48.92	-30.42	37.90	41.44	74.00	25.08	H
16450.000	52.11	-24.24	41.20	35.15	68.30	16.19	V
16732.500	51.86	-24.25	41.50	34.61	68.30	16.44	H
17310.500	53.03	-23.73	40.90	35.86	68.30	15.27	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)
5726.875	62.23	-22.07	34.75	49.55	68.30	6.06	V
5727.750	62.40	-22.12	34.76	49.77	68.30	5.90	H
11402.500	49.32	-29.26	38.11	40.48	74.00	24.68	V
16767.500	52.90	-24.14	41.50	35.54	68.30	15.40	H
17104.500	51.99	-23.95	41.19	34.75	68.30	16.31	H
17525.500	53.12	-23.82	41.00	35.94	68.30	15.18	H

Channel 144

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)
5683.500	58.07	-22.44	34.70	45.80	68.30	10.23	V
5756.500	58.41	-22.37	34.81	45.97	68.30	9.89	V
11436.000	50.46	-29.41	38.17	41.70	74.00	23.54	H
16619.500	54.72	-24.09	41.50	37.31	68.30	13.58	H
17154.500	53.83	-23.68	41.09	36.42	68.30	14.47	H
17603.500	54.38	-23.32	41.01	36.70	68.30	13.92	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)
5148.125	65.02	-22.55	34.39	53.19	74.00	8.98	V
5149.125	65.39	-22.52	34.39	53.51	74.00	8.61	V
10365.000	49.84	-29.23	37.50	41.56	68.30	18.46	H
15540.000	49.22	-24.58	40.14	33.66	74.00	24.78	H
16836.000	53.03	-24.00	41.46	35.57	68.30	15.27	H
17291.000	53.53	-23.84	40.91	36.46	68.30	14.77	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)
5157.500	57.30	-22.61	34.40	45.51	74.00	16.70	V
5236.000	58.18	-22.82	34.47	46.53	74.00	15.82	H
10403.500	51.66	-29.44	37.50	43.60	68.30	16.64	V
15637.000	51.43	-24.77	40.24	35.96	74.00	22.57	V
16774.500	52.56	-24.22	41.50	35.28	68.30	15.74	H
17246.500	53.40	-23.70	40.95	36.15	68.30	14.90	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)
5288.500	58.13	-23.01	34.73	46.41	74.00	15.87	V
5320.500	58.52	-22.63	34.88	46.27	74.00	15.48	V
10479.000	53.04	-29.51	37.58	44.97	68.30	15.26	V
15711.500	51.22	-24.56	40.32	35.46	74.00	22.78	H
16842.000	52.59	-23.92	41.46	35.05	68.30	15.71	V
17476.500	52.83	-23.54	40.98	35.39	68.30	15.47	H

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)
5189.000	57.91	-22.85	34.40	46.36	74.00	16.09	H
5206.500	57.72	-22.59	34.41	45.89	74.00	16.28	H
10519.500	53.69	-29.03	37.62	45.09	68.30	14.61	H
15780.000	48.86	-24.91	40.46	33.31	74.00	25.14	H
17217.500	53.55	-23.82	40.98	36.40	68.30	14.75	H
17597.000	52.56	-23.44	41.00	35.00	68.30	15.74	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)
5238.000	57.67	-22.84	34.48	46.03	68.30	10.63	H
5320.000	58.37	-22.62	34.88	46.11	68.30	9.93	V
10566.000	54.89	-29.47	37.67	46.69	68.30	13.41	H
15840.000	49.61	-24.71	40.58	33.73	74.00	24.39	V
17176.000	52.26	-23.65	41.05	34.86	68.30	16.04	H
17373.500	52.19	-23.74	40.90	35.03	68.30	16.11	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)
5350.650	63.41	-22.90	35.00	51.31	74.00	10.59	V
5350.988	63.35	-22.90	35.00	51.25	74.00	10.65	H
10636.000	53.47	-29.87	37.70	45.64	74.00	20.53	H
15960.000	48.23	-24.72	40.82	32.13	74.00	25.77	H
16755.500	51.39	-24.04	41.50	33.93	68.30	16.91	V
17287.000	51.91	-23.86	40.91	34.85	68.30	16.39	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)
5467.000	64.21	-22.66	34.60	52.27	68.30	4.09	H
5469.000	64.30	-22.67	34.60	52.38	68.30	4.00	H
11002.000	49.56	-30.53	37.80	42.28	74.00	24.44	H
16457.000	52.70	-24.10	41.21	35.58	68.30	15.60	H
17044.500	52.50	-23.81	41.31	35.00	68.30	15.80	V
17394.000	52.94	-23.58	40.90	35.62	68.30	15.36	V

Channel 116

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)
5503.500	58.88	-22.35	34.60	46.63	68.30	9.42	V
5659.000	58.26	-22.13	34.70	45.69	68.30	10.04	H
11160.500	48.96	-30.32	37.90	41.38	74.00	25.04	V
16443.000	51.89	-24.30	41.19	35.01	68.30	16.41	V
16747.000	52.65	-24.15	41.50	35.30	68.30	15.65	H
17321.500	53.69	-23.72	40.90	36.51	68.30	14.61	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)
5725.125	65.02	-21.95	34.75	52.22	68.30	3.28	H
5725.875	63.75	-22.00	34.75	51.00	68.30	4.55	H
11406.500	48.33	-29.28	38.11	39.50	74.00	25.67	V
16613.000	52.62	-24.12	41.50	35.24	68.30	15.68	V
17028.000	52.51	-23.71	41.34	34.87	68.30	15.79	V
17526.500	53.00	-23.81	41.00	35.81	68.30	15.30	H

Channel 144

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)
5666.500	58.55	-22.23	34.70	46.07	68.30	9.75	V
5757.000	57.89	-22.37	34.81	45.45	68.30	10.41	H
11442.000	49.42	-29.27	38.18	40.51	74.00	24.58	H
16372.000	52.10	-24.57	41.07	35.60	68.30	16.20	V
16843.500	53.25	-23.89	41.46	35.69	68.30	15.05	H
17246.500	52.61	-23.70	40.95	35.36	68.30	15.69	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)
5146.250	64.54	-22.62	34.38	52.78	74.00	9.46	H
5148.375	64.41	-22.54	34.39	52.56	74.00	9.59	H
10380.000	49.33	-29.19	37.50	41.02	68.30	18.97	V
15570.000	50.15	-24.84	40.17	34.82	74.00	23.85	H
16731.500	52.59	-24.25	41.50	35.34	68.30	15.71	H
17407.000	53.39	-23.57	40.91	36.06	68.30	14.91	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)
5290.000	58.92	-23.02	34.74	47.20	74.00	15.08	V
5302.500	57.95	-22.71	34.81	45.84	74.00	16.05	V
10460.500	51.38	-29.41	37.56	43.23	68.30	16.92	V
15690.000	50.84	-24.22	40.29	34.77	74.00	23.16	H
16857.000	52.81	-23.71	41.44	35.08	68.30	15.49	V
17250.000	52.78	-23.74	40.95	35.56	68.30	15.52	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)
5216.000	58.29	-22.55	34.43	46.41	74.00	15.71	H
5223.000	58.48	-22.62	34.45	46.65	74.00	15.52	H
10541.500	50.51	-29.70	37.64	42.57	68.30	17.79	V
15810.000	49.81	-24.91	40.52	34.20	74.00	24.19	H
17372.500	52.57	-23.74	40.90	35.41	68.30	15.73	H
17486.000	51.98	-23.62	40.99	34.62	68.30	16.32	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)
5350.087	64.38	-22.89	35.00	52.27	74.00	9.62	V
5350.650	62.66	-22.90	35.00	50.56	74.00	11.34	V
10621.500	50.29	-29.73	37.70	42.33	74.00	23.71	H
15930.000	50.09	-24.68	40.76	34.02	74.00	23.91	H
16938.500	52.30	-24.11	41.40	35.01	68.30	16.00	H
17292.500	52.85	-23.82	40.91	35.76	68.30	15.45	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)
5469.000	63.37	-22.67	34.60	51.44	68.30	4.93	H
5469.625	63.84	-22.68	34.60	51.92	68.30	4.46	V
11020.000	49.47	-30.52	37.82	42.17	74.00	24.53	H
16558.000	52.18	-24.02	41.42	34.79	68.30	16.12	V
16997.500	52.45	-23.62	41.40	34.67	68.30	15.85	H
17138.500	52.26	-23.93	41.12	35.07	68.30	16.04	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)
5541.500	59.56	-22.59	34.60	47.54	68.30	8.74	V
5644.000	60.21	-22.42	34.70	47.93	68.30	8.09	H
11179.000	48.22	-30.40	37.90	40.71	74.00	25.78	H
16765.000	52.42	-24.09	41.50	35.01	68.30	15.88	H
17321.000	52.96	-23.72	40.90	35.78	68.30	15.34	H
17524.500	52.73	-23.83	41.00	35.56	68.30	15.57	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)
5725.375	60.03	-21.97	34.75	47.25	68.30	8.27	V
5726.375	60.21	-22.03	34.75	47.49	68.30	8.09	V
11329.500	48.10	-29.85	38.03	39.92	74.00	25.90	H
16699.500	53.13	-24.15	41.50	35.78	68.30	15.17	H
17006.000	52.08	-23.63	41.39	34.32	68.30	16.22	V
17607.000	53.38	-23.29	41.01	35.66	68.30	14.92	V

Channel 142

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)
5654.000	58.13	-22.25	34.70	45.68	68.30	10.17	V
5759.500	58.43	-22.36	34.82	45.97	68.30	9.87	H
11407.500	47.67	-29.29	38.12	38.85	74.00	26.33	H
16794.500	52.77	-24.07	41.50	35.34	68.30	15.53	H
17096.000	51.67	-23.98	41.21	34.44	68.30	16.63	H
17425.000	52.52	-23.70	40.93	35.30	68.30	15.78	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)
5145.125	58.81	-22.66	34.37	47.10	74.00	15.19	H
5148.625	58.14	-22.53	34.39	46.28	74.00	15.86	V
10363.000	49.02	-29.27	37.50	40.79	68.30	19.28	H
15570.500	51.81	-24.84	40.17	36.48	74.00	22.19	H
16469.500	52.41	-24.15	41.24	35.32	68.30	15.89	H
16895.500	53.55	-23.70	41.40	35.85	68.30	14.75	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)
5162.500	58.31	-22.64	34.40	46.55	74.00	15.69	V
5239.500	57.99	-22.85	34.48	46.36	74.00	16.01	H
10398.500	49.06	-29.62	37.50	41.19	68.30	19.24	H
15593.500	51.40	-24.70	40.19	35.90	74.00	22.60	H
16994.500	52.45	-23.68	41.40	34.73	68.30	15.85	V
17600.000	53.74	-23.36	41.00	36.09	68.30	14.56	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)
5297.000	57.58	-22.83	34.78	45.63	74.00	16.42	V
5321.000	58.45	-22.65	34.88	46.21	74.00	15.55	V
10405.000	49.73	-29.36	37.51	41.58	68.30	18.57	H
15681.000	51.98	-24.49	40.28	36.19	74.00	22.02	V
16795.500	52.56	-24.07	41.50	35.13	68.30	15.74	H
17246.500	52.83	-23.70	40.95	35.58	68.30	15.47	H

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)
5206.000	57.69	-22.59	34.41	45.87	74.00	16.31	V
5224.500	57.80	-22.65	34.45	46.00	74.00	16.20	H
10521.000	49.87	-29.09	37.62	41.33	68.30	18.43	H
15780.000	48.55	-24.91	40.46	33.01	74.00	25.45	V
17252.500	52.34	-23.73	40.95	35.12	68.30	15.96	V
17604.500	51.99	-23.32	41.01	34.30	68.30	16.31	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)
5241.500	57.75	-22.82	34.48	46.08	68.30	10.55	V
5323.500	58.11	-22.73	34.89	45.94	68.30	10.19	V
10562.500	49.60	-29.41	37.66	41.35	68.30	18.70	H
15840.000	49.23	-24.71	40.58	33.35	74.00	24.77	H
16847.500	51.76	-23.84	41.45	34.14	68.30	16.54	H
17318.500	52.18	-23.72	40.90	35.00	68.30	16.12	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)
5371.238	58.41	-22.89	34.96	46.34	74.00	15.59	V
5372.925	59.08	-22.86	34.95	46.99	74.00	14.92	V
10639.000	49.72	-29.80	37.70	41.81	74.00	24.28	V
15960.000	48.34	-24.72	40.82	32.24	74.00	25.66	V
16707.000	52.27	-24.15	41.50	34.93	68.30	16.03	H
17240.500	52.12	-23.64	40.96	34.81	68.30	16.17	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)
5467.750	59.84	-22.66	34.60	47.90	68.30	8.46	V
5469.125	59.10	-22.67	34.60	47.17	68.30	9.20	H
10996.000	47.39	-30.58	37.80	40.17	74.00	26.61	H
16484.000	51.89	-24.28	41.27	34.90	68.30	16.41	H
16957.000	51.75	-24.04	41.40	34.39	68.30	16.55	H
17415.000	52.38	-23.70	40.92	35.17	68.30	15.91	V

Channel 116

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)
5519.500	58.57	-22.02	34.60	45.99	68.30	9.73	H
5642.000	58.41	-22.44	34.70	46.15	68.30	9.89	V
11151.000	47.83	-30.15	37.90	40.08	74.00	26.17	H
16343.000	51.96	-24.52	41.04	35.44	68.30	16.34	H
16740.000	51.93	-24.27	41.50	34.70	68.30	16.37	V
17629.500	53.25	-23.67	41.06	35.86	68.30	15.05	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)
5725.750	64.97	-21.99	34.75	52.21	68.20	3.23	H
5728.125	62.61	-22.15	34.76	50.00	68.20	5.59	H
11444.500	47.95	-29.14	38.19	38.89	74.00	26.05	H
16487.500	52.12	-24.30	41.28	35.15	68.30	16.18	V
16782.000	53.07	-24.23	41.50	35.80	68.30	15.23	H
17573.500	52.69	-23.60	41.00	35.29	68.30	15.61	H

Channel 144

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)
5696.500	57.16	-22.30	34.70	44.75	68.30	11.14	V
5741.500	58.62	-22.49	34.78	46.33	68.30	9.68	V
11446.000	47.89	-29.05	38.19	38.75	74.00	26.11	H
16746.000	53.43	-24.17	41.50	36.10	68.30	14.87	H
17159.500	51.98	-23.51	41.08	34.42	68.30	16.32	H
17617.000	52.64	-23.41	41.03	35.02	68.30	15.66	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)
5148.375	58.87	-22.54	34.39	47.03	74.00	15.13	H
5149.625	59.61	-22.50	34.40	47.72	74.00	14.39	V
10390.500	49.61	-29.58	37.50	41.69	68.30	18.69	H
15570.000	50.55	-24.84	40.17	35.22	74.00	23.45	H
17183.000	52.66	-23.82	41.03	35.45	68.30	15.64	H
17318.500	52.98	-23.72	40.90	35.81	68.30	15.32	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)
5262.000	59.92	-22.77	34.57	48.12	74.00	14.08	V
5265.000	59.69	-22.77	34.59	47.87	74.00	14.31	H
10455.500	48.87	-29.34	37.56	40.66	68.30	19.43	H
15690.000	49.18	-24.22	40.29	33.11	74.00	24.82	H
16867.000	52.48	-23.85	41.43	34.89	68.30	15.82	V
17265.500	53.05	-23.60	40.93	35.72	68.30	15.24	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)
5223.500	57.94	-22.63	34.45	46.12	74.00	16.06	V
5237.500	58.26	-22.83	34.48	46.61	74.00	15.74	H
10549.000	48.76	-29.41	37.65	40.52	68.30	19.54	H
15810.000	48.32	-24.91	40.52	32.72	74.00	25.68	H
16766.500	52.88	-24.12	41.50	35.50	68.30	15.42	V
17302.000	52.20	-23.72	40.90	35.02	68.30	16.10	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)
5351.887	58.73	-22.91	35.00	46.65	74.00	15.27	V
5352.900	58.81	-22.92	34.99	46.73	74.00	15.19	V
10538.000	50.00	-29.75	37.64	42.11	68.30	18.30	H
15930.000	48.38	-24.68	40.76	32.31	74.00	25.62	H
16785.500	52.88	-24.17	41.50	35.55	68.30	15.42	H
17326.500	51.90	-23.71	40.90	34.71	68.30	16.40	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)
5468.625	58.98	-22.67	34.60	47.04	68.30	9.32	H
5469.375	58.98	-22.67	34.60	47.06	68.30	9.32	H
11018.000	47.81	-30.49	37.82	40.49	74.00	26.19	V
16544.000	51.77	-24.26	41.39	34.64	68.30	16.53	H
17151.500	52.36	-23.79	41.10	35.05	68.30	15.94	H
17593.000	52.72	-23.55	41.00	35.27	68.30	15.58	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)
5548.500	58.83	-22.58	34.60	46.81	68.30	9.47	V
5628.000	59.75	-22.44	34.70	47.48	68.30	8.55	V
11182.000	47.56	-30.35	37.90	40.02	74.00	26.44	V
16515.000	52.74	-24.27	41.33	35.67	68.30	15.56	V
16737.500	52.30	-24.26	41.50	35.07	68.30	16.00	V
17464.000	52.95	-23.47	40.96	35.45	68.30	15.35	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)
5726.000	59.65	-22.01	34.75	46.90	68.30	8.65	V
5727.875	58.90	-22.13	34.76	46.28	68.30	9.40	H
11408.500	48.03	-29.29	38.12	39.21	74.00	25.97	H
16477.000	52.59	-24.22	41.25	35.55	68.30	15.71	V
16963.000	51.87	-24.04	41.40	34.51	68.30	16.43	V
17485.000	52.41	-23.62	40.99	35.04	68.30	15.89	H

Channel 142

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)
5674.000	58.61	-22.35	34.70	46.26	68.30	9.69	V
5748.500	59.20	-22.42	34.80	46.82	68.30	9.10	H
11419.500	47.02	-29.29	38.14	38.17	74.00	26.98	V
16951.500	52.10	-24.03	41.40	34.74	68.30	16.20	V
17131.000	50.69	-24.00	41.14	33.55	68.30	17.61	H
17250.000	52.76	-23.74	40.95	35.55	68.30	15.54	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)
5141.500	65.75	-22.79	34.35	54.19	74.00	8.25	V
5148.125	64.43	-22.55	34.39	52.59	74.00	9.57	H
10420.000	46.16	-28.84	37.52	37.48	68.30	22.14	H
15630.000	49.55	-24.82	40.23	34.14	74.00	24.45	V
16694.500	51.88	-24.19	41.50	34.56	68.30	16.42	H
17299.500	52.24	-23.73	40.90	35.06	68.30	16.06	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)
5350.762	62.19	-22.90	35.00	50.09	74.00	11.81	H
5352.450	61.07	-22.91	35.00	48.99	74.00	12.93	V
10580.000	45.74	-29.67	37.68	37.73	68.30	22.56	V
15870.000	49.92	-24.71	40.64	33.98	74.00	24.08	V
16844.000	51.90	-23.89	41.46	34.33	68.30	16.40	H
17302.000	52.67	-23.72	40.90	35.50	68.30	15.62	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)
5462.750	61.26	-22.63	34.60	49.28	68.30	7.04	V
5465.875	61.61	-22.65	34.60	49.66	68.30	6.69	H
11088.500	47.83	-30.31	37.89	40.25	74.00	26.17	H
16589.500	51.90	-24.21	41.48	34.63	68.30	16.40	H
17165.000	52.80	-23.47	41.07	35.19	68.30	15.50	V
17473.500	52.41	-23.51	40.97	34.94	68.30	15.89	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)
5736.375	60.40	-22.42	34.77	48.04	68.30	7.90	H
5748.625	58.88	-22.42	34.80	46.50	68.30	9.42	V
11307.000	48.74	-29.60	38.01	40.34	74.00	25.26	V
16465.500	52.91	-24.10	41.23	35.78	68.30	15.39	H
16836.000	52.67	-24.00	41.46	35.20	68.30	15.63	H
17578.000	52.59	-23.64	41.00	35.22	68.30	15.71	H

Channel 138

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)
5632.500	60.39	-22.50	34.70	48.19	68.30	7.91	H
5742.500	59.70	-22.48	34.79	47.39	68.30	8.60	H
11383.000	47.59	-29.74	38.08	39.25	74.00	26.41	V
16628.500	52.19	-24.02	41.50	34.71	68.30	16.11	H
17104.000	53.73	-23.95	41.19	36.49	68.30	14.57	H
17392.500	52.69	-23.62	40.90	35.40	68.30	15.61	V

Conclusion: PASS

Note:

1. The spurious emission above 18G is noise only.
2. All emissions below 30MHz are more than 20 dB below the limit

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:

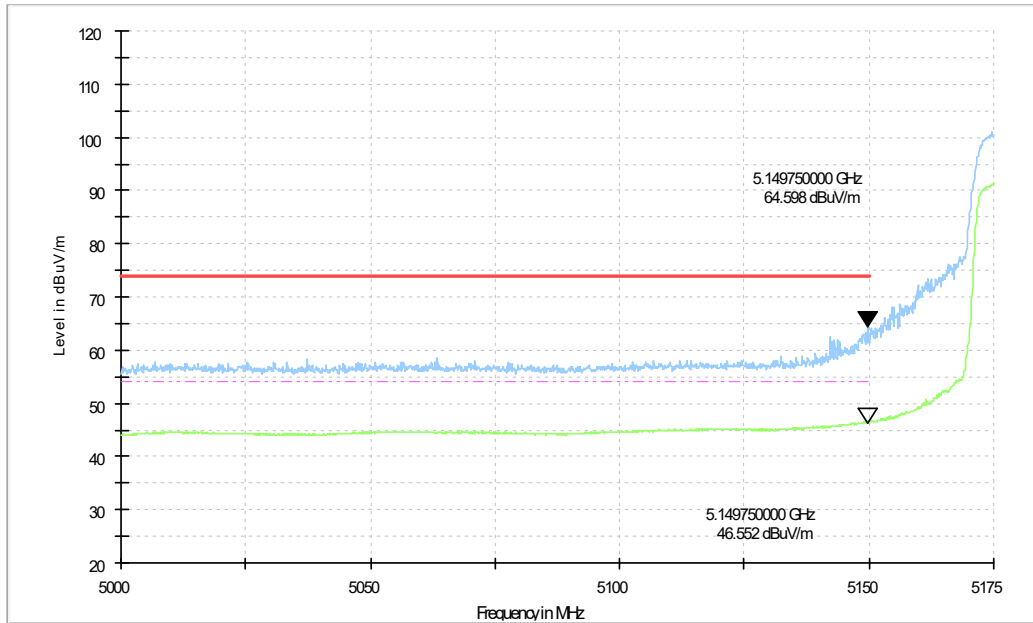


Fig. 1 Band Edges (802.11a Ch36, 5180MHz)

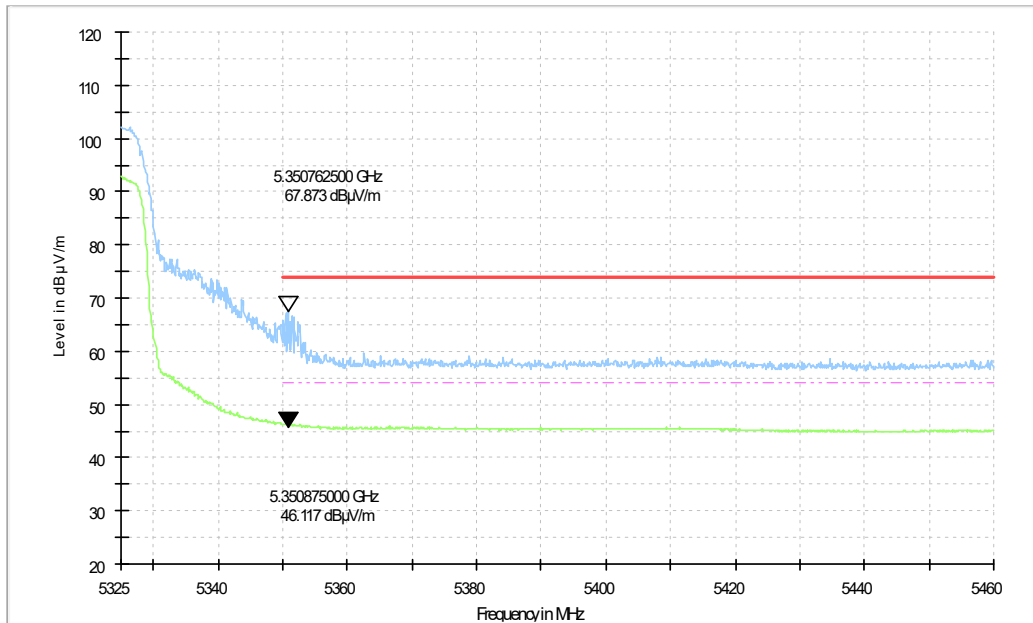


Fig. 2 Band Edges (802.11a Ch64, 5320MHz)

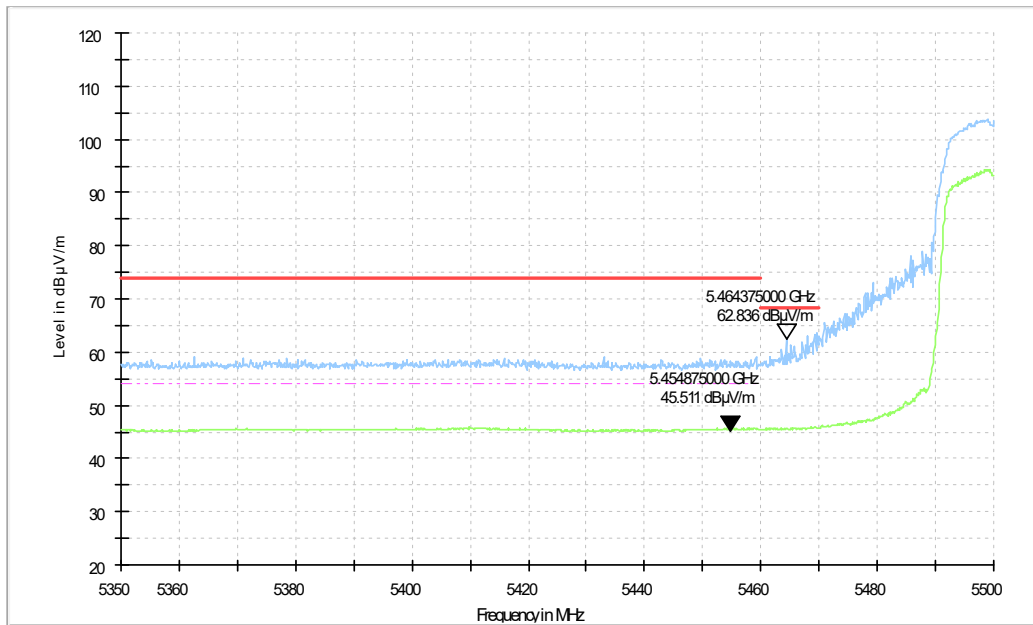


Fig. 3 Band Edges (802.11a Ch100, 5500MHz)

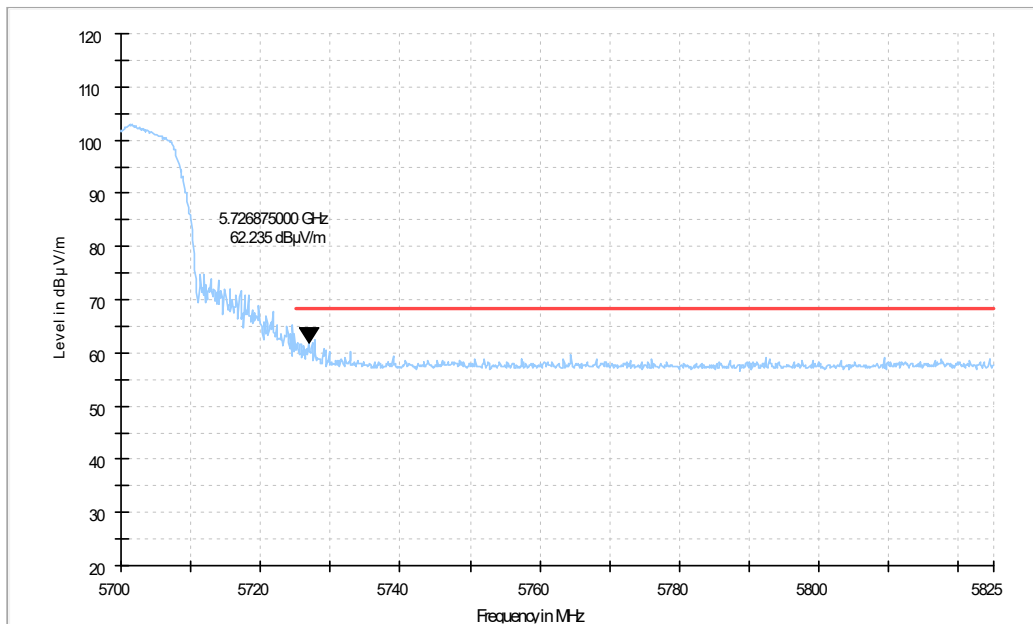


Fig. 4 Band Edges (802.11a Ch140, 5700MHz)

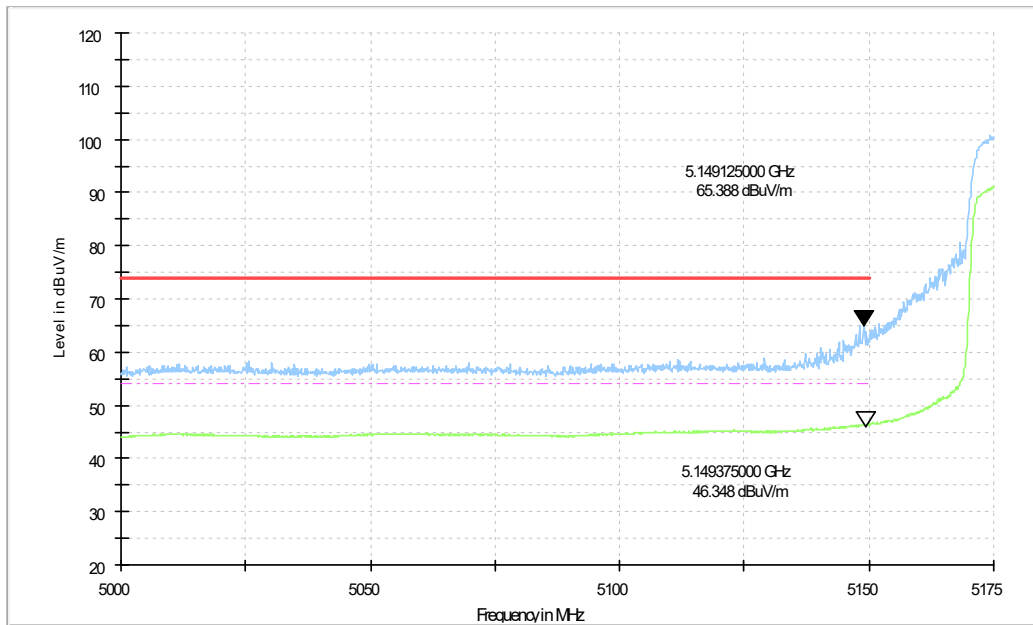


Fig. 5 Band Edges (802.11n-HT20 Ch36, 5180MHz)

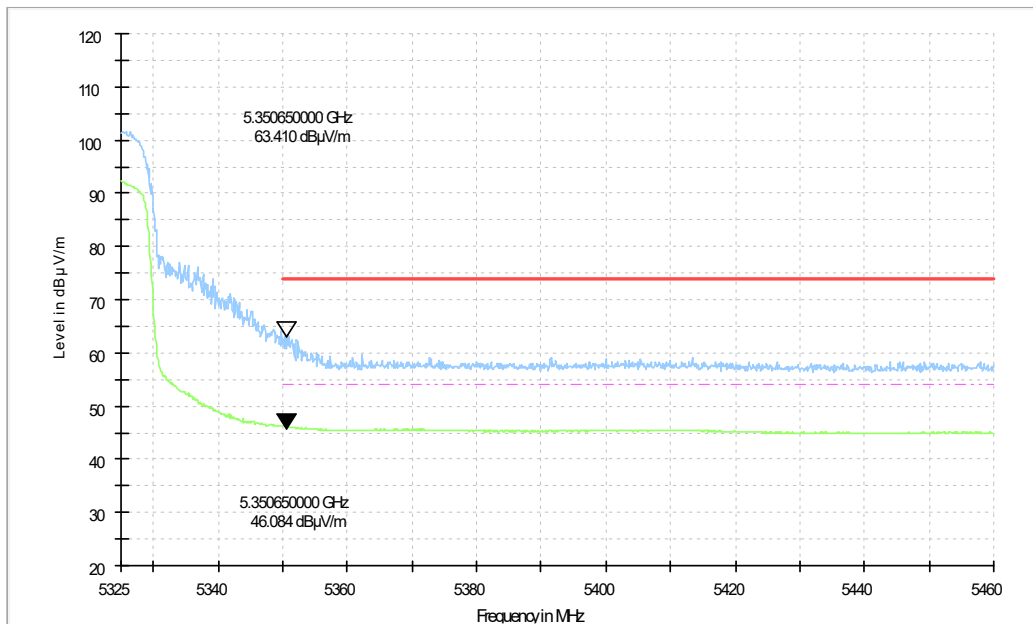


Fig. 6 Band Edges (802.11n-HT20 Ch64, 5320MHz)

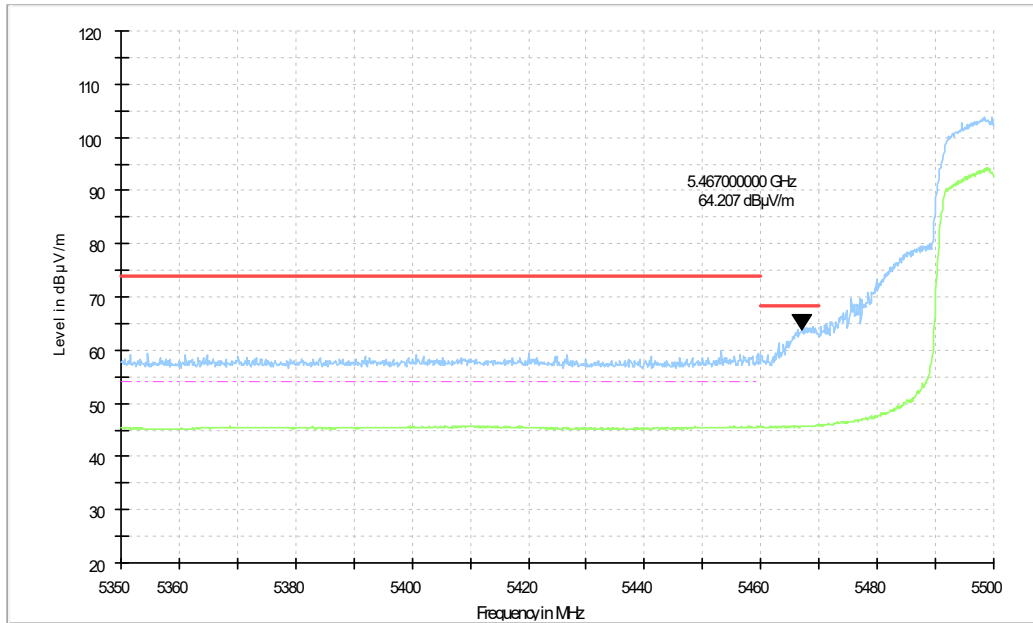


Fig. 7 Band Edges (802.11n-HT20 Ch100, 5500MHz)

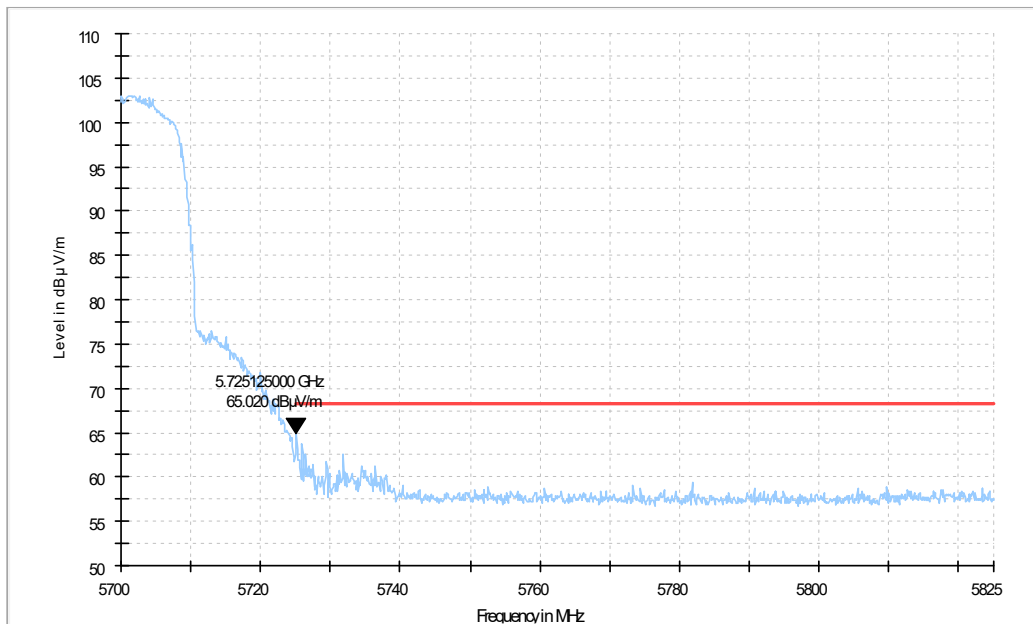


Fig. 8 Band Edges (802.11n-HT20 Ch140, 5700MHz)

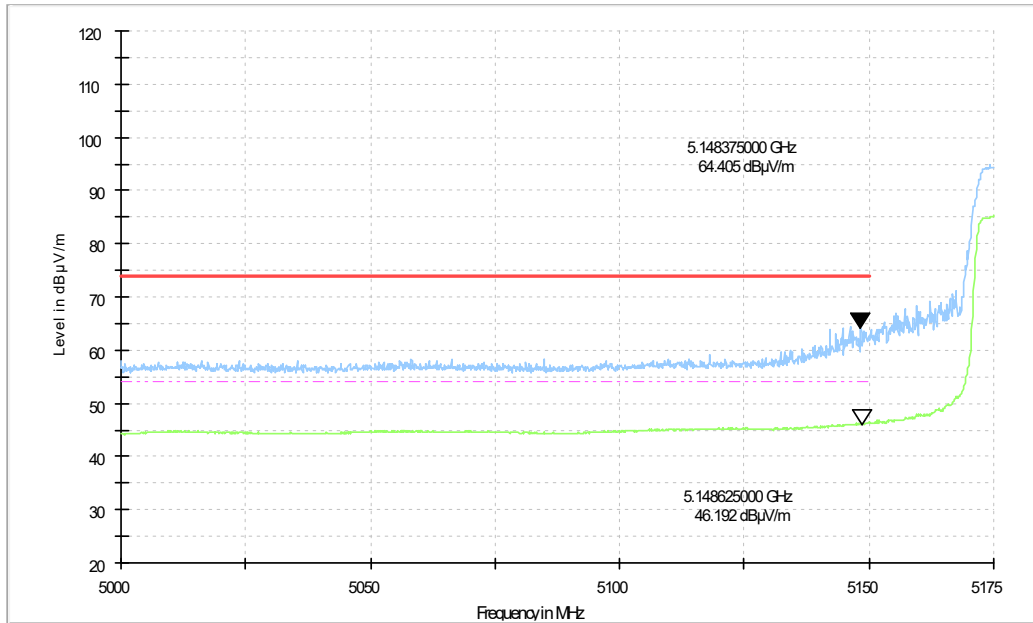


Fig. 9 Band Edges (802.11n-HT40 Ch38, 5190MHz)

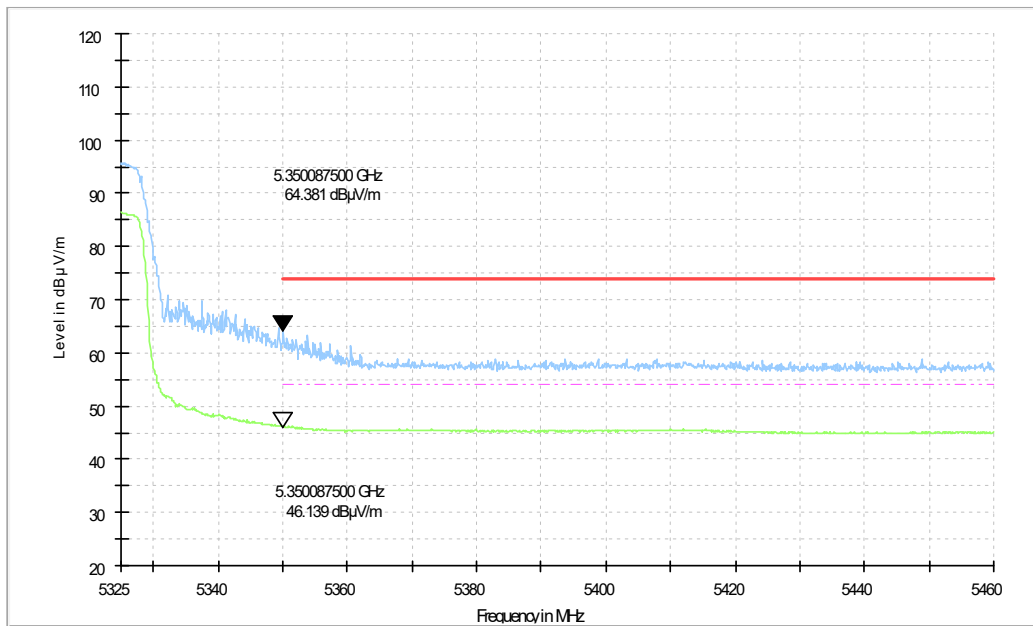


Fig. 10 Band Edges (802.11n-HT40 Ch62, 5310MHz)

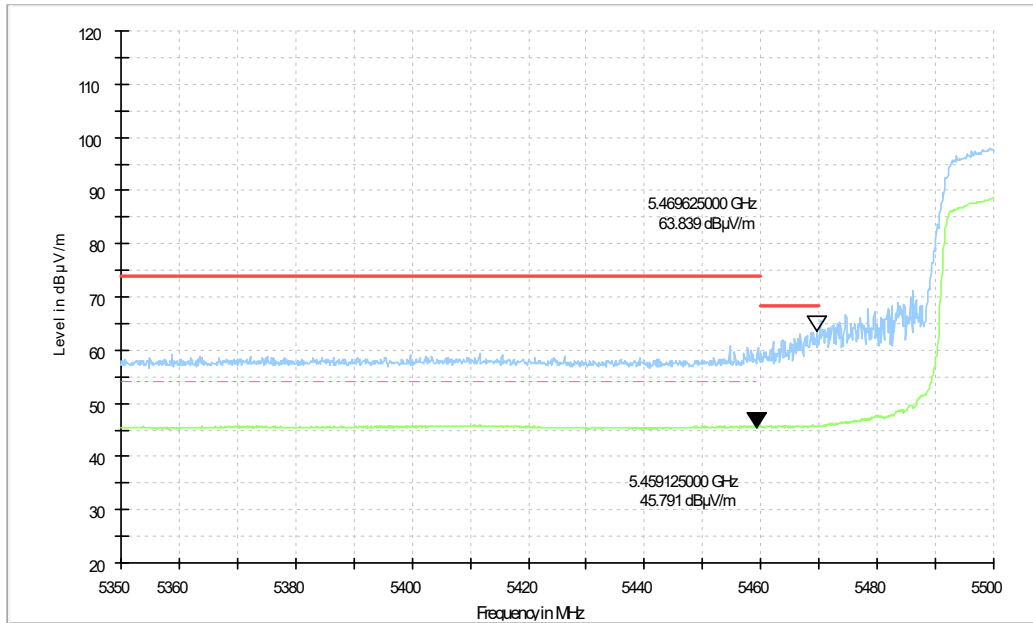


Fig. 11 Band Edges (802.11n-HT40 Ch102, 5510MHz)

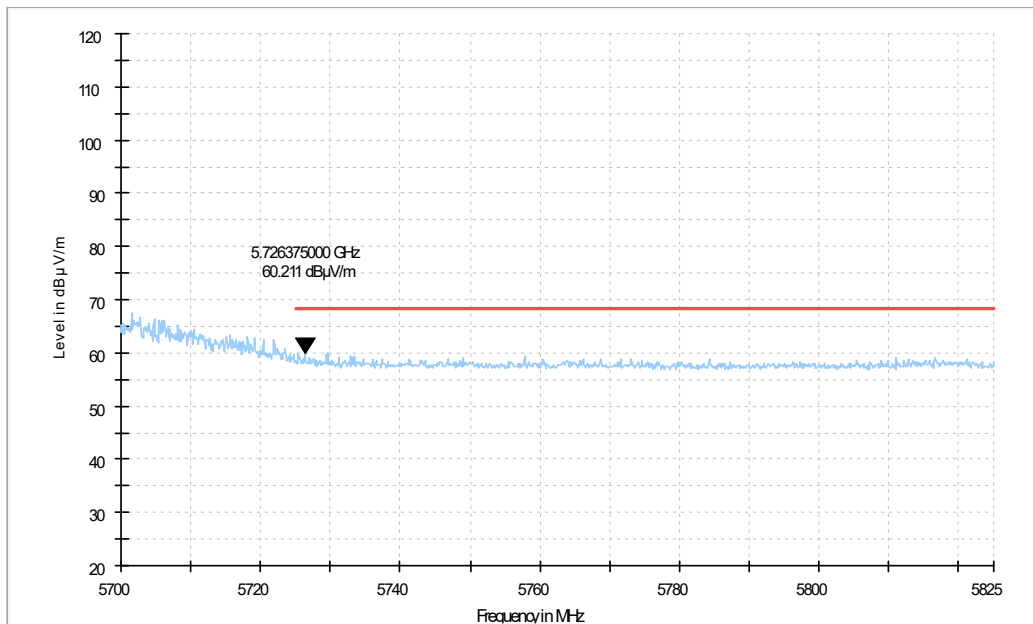


Fig. 12 Band Edges (802.11n-HT40 Ch134, 5670MHz)

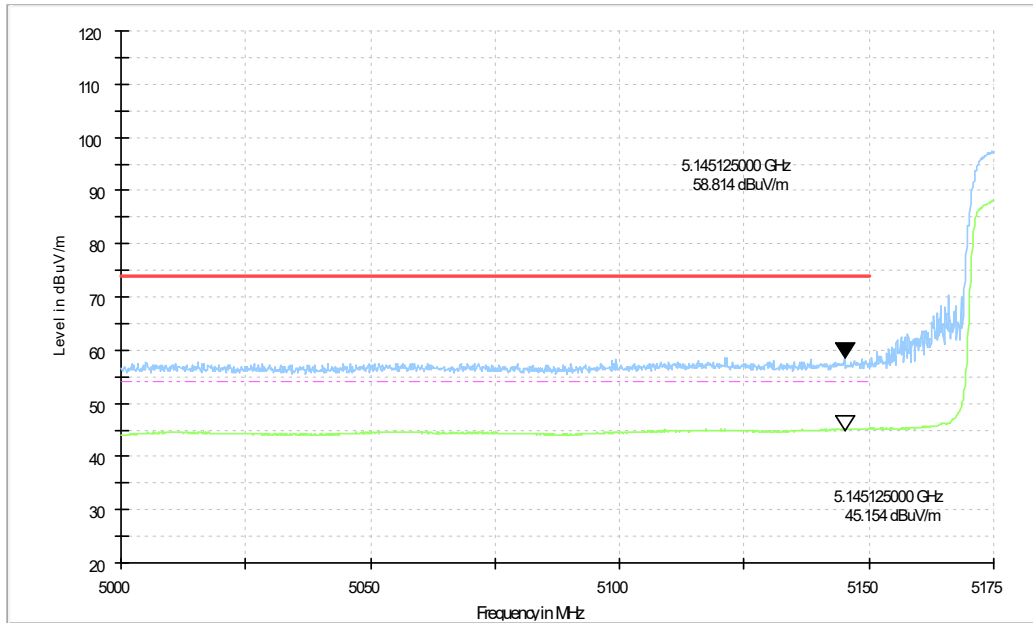


Fig. 13 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

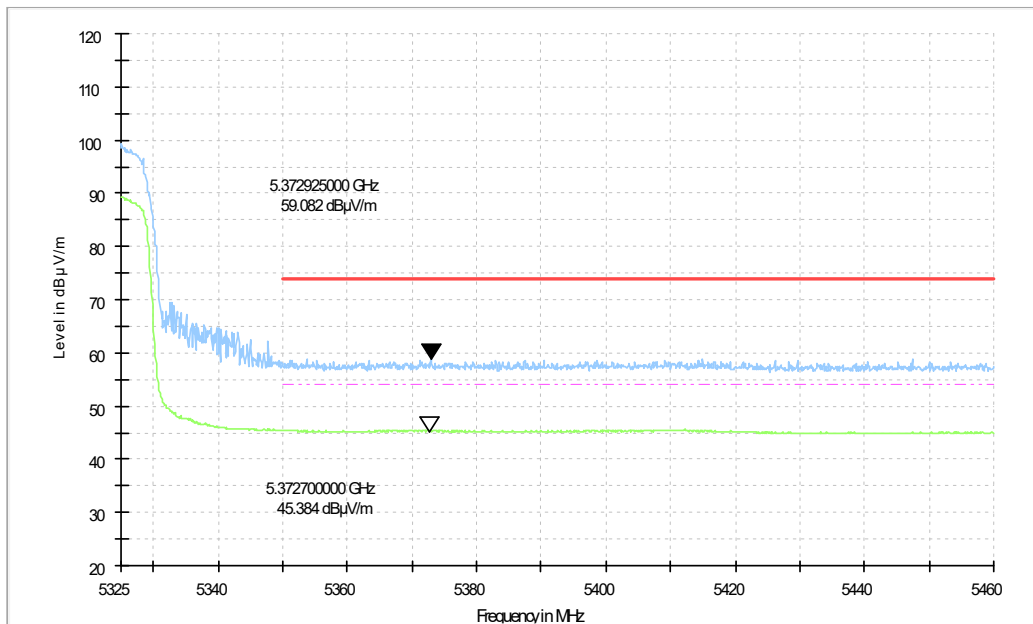


Fig. 14 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

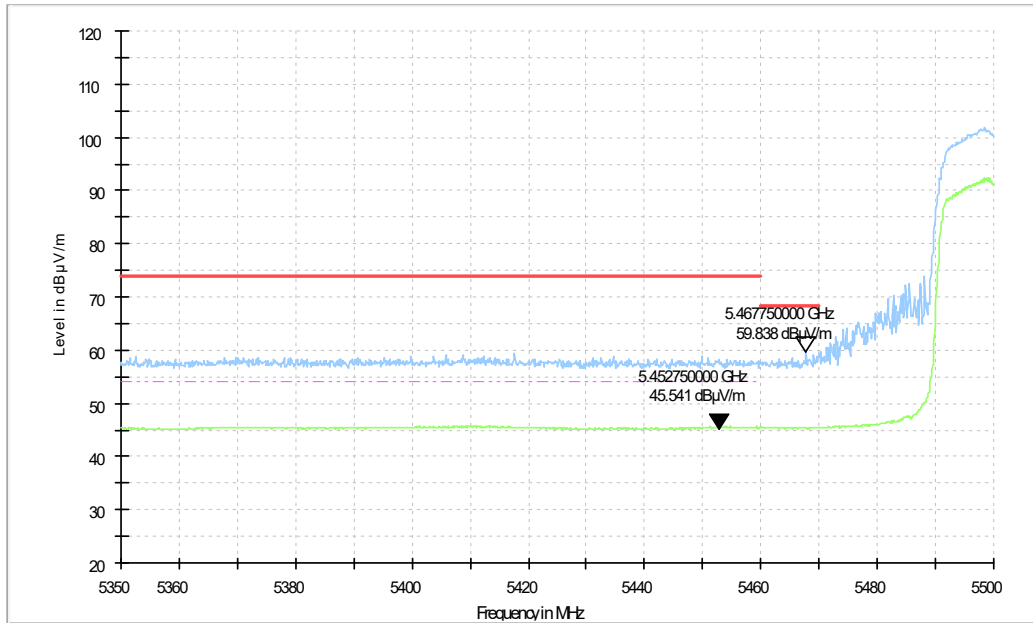


Fig. 15 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

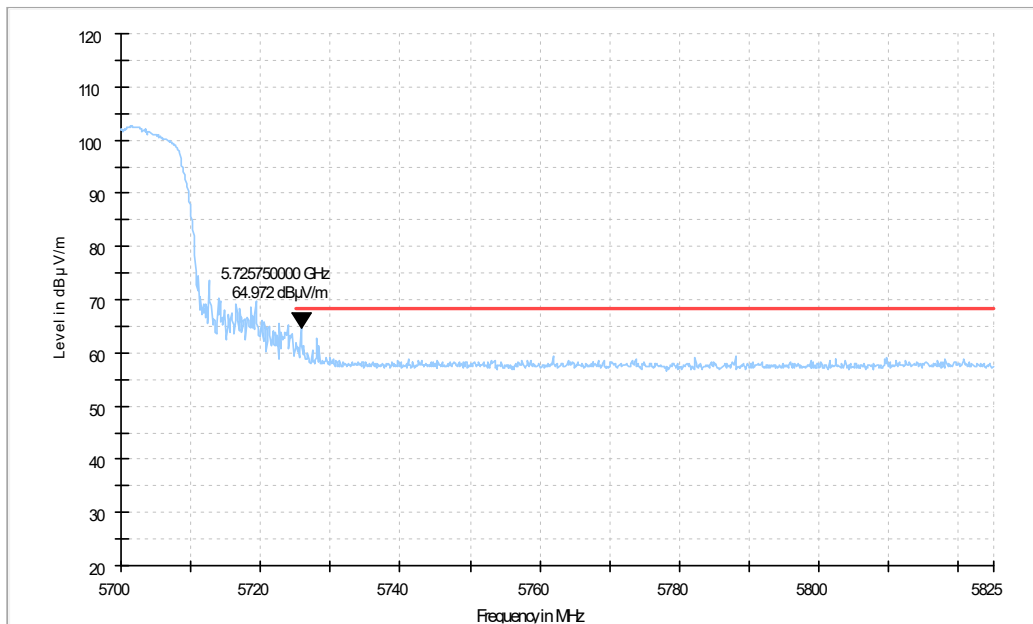


Fig. 16 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

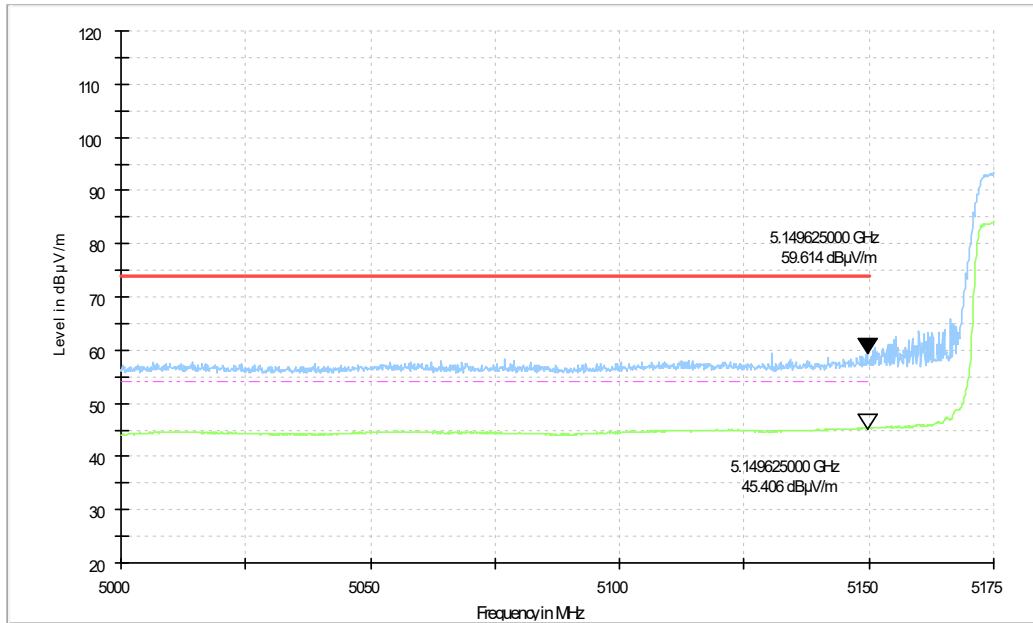


Fig. 17 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

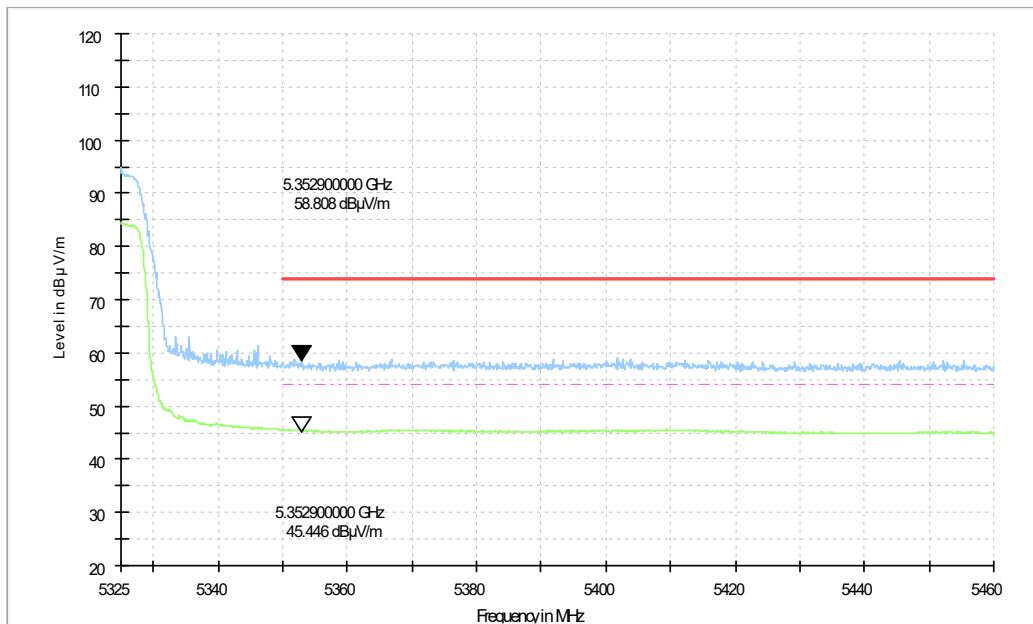


Fig. 18 Band Edges (802.11ac-HT40 Ch62, 5310MHz)