

FCC Part 15E Compliance Test Report

Test Report no.:	FCC15E_RM-927_23.docx	Date of Report:	22-Aug-2013
Number of pages:	56	Customer's Contact person:	Victoria Abadilla
Testing laboratory:	TCC Nokia San Diego Laboratory 16620 West Bernardo Drive San Diego, CA 92127 USA Tel. +1 858 831 5000 Fax. +1 858 831 6500	Customer:	Nokia, Inc. 16620 West Bernardo Drive San Diego, CA 92127 USA Tel. +1 858 831 5000 Fax. +1 858 385 1598
FCC listing no.:	586140		
IC recognition no.:	10162A-1		
Tested devices/ accessories:	Phone RM-927 / Cable CA-190 / Salcomp AC Charger AC-60 / Headset WH-902		
FCC ID:	QMND	IC:	661X-D
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart E, ANSI C63.4 (2003), DTS procedures KDB 789033 D01, IC standards. Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		
Documentation:	The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.		
Test Results:	The EUT complies with the requirements in respect of all parameters subject to the test. The test results relate only to devices specified in this document		
Date and signature for the contents:			

Tyrone Hawes, Specialist

1. Summary for FCC Part 15E Compliance Test Report

Date of receipt	20-Jul-2013
Testing completed	22-Aug-2013
The customer's contact person	Victoria Abadilla
Test Plan referred to	T:\Projects\RM-927\TestPlan\RS_testplan_RM-927.xlsm
Notes	-
Document name	T:\Projects\RM-927\EMC\FCC15E_RM-927_23.docx

1.1. EUT and Accessory Information

The EUT is a mobile phone with following features:
GSM/CDMA/WCDMA/WLAN/Bluetooth
The EUT is tested with maximum rated TX power.

Devices under tests

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-927	355906050012284	0160	-	1028.0305.1329.2000	30743
Cable	CA-190	-	-	-	-	30745
Salcomp AC Charger	AC-60	4090493152610300459	-	-	-	30744
Headset	WH-902	-	-	-	-	30746
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

1.2. Summary of Test Results

5 GHz RLAN:

Section in CFR 47	Section in RSS-GEN or RSS-210	Name of the test	Result
15.407(a)	A9.2	Conducted peak output power	NP
15.407(b)	A9.2	Band edge compliance of RF emissions	PASSED
15.407(a)(6)	A9.2	Peak excursion	NP
15.407(b)	A9.2	Spurious radiated emissions	PASSED
15.407(b)(6)	A9.2	AC powerline conducted emissions	NP
-	A9.2	26dB(bandwidth)	NP
15.407(a)	A9.2	Power spectral density	NP

PASSED
FAILED
NP

The EUT complies with the essential requirements in the standard.
The EUT does not comply with the essential requirements in the standard.
The test was not performed by the TCC Nokia Laboratory.

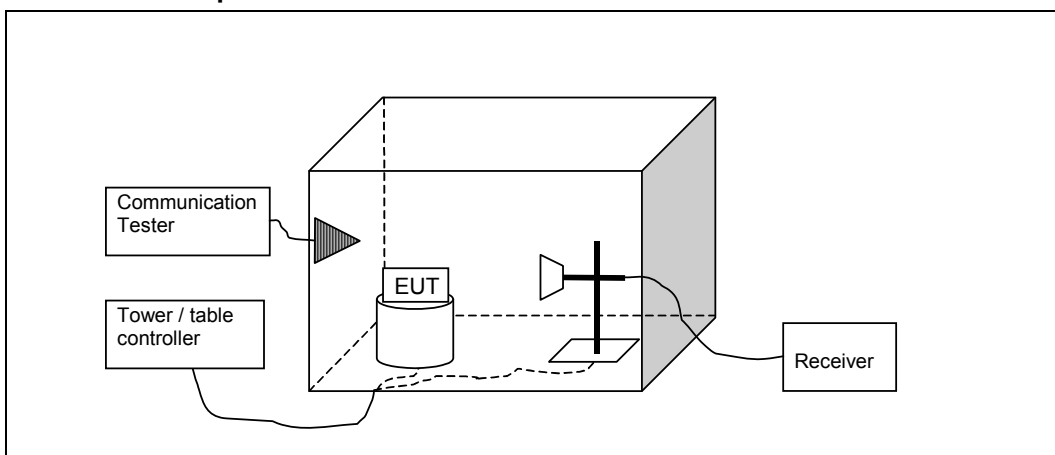
CONTENTS

1. Summary for FCC Part 15E Compliance Test Report.....	2
1.1. EUT and Accessory Information.....	2
1.2. Summary of Test Results.....	2
2. Spurious radiated emissions (FCC §15.407 (b), RSS-210 A9.2).....	4
2.2. Test method and limit.....	4
2.3. 5 GHz RLAN test results	6
3. Test Equipment.....	25
3.1. Conducted measurements	25
3.2. Radiated measurements	25
4. Band edge compliance of RF emissions (FCC §15.407 (b), RSS-210 A9.2).....	26
4.2. Test method and limit.....	26
4.3. 5 GHz RLAN test results	28

2. Spurious radiated emissions (FCC §15.407 (b), RSS-210 A9.2)

EUT with DUT number	RM-927, DUT 30743
Accessories with DUT numbers	CA-190, DUT 30745 ; AC-60, DUT 30744 ; WH-902, DUT 30746
Operation Voltage [V] / [Hz]	115V/60Hz
Results	PASSED
Remarks	
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	16.1/44.7/1050
Date of measurements	16-Aug-2013
Measured by	Tyrone Hawes

2.1.1 Test setup



2.2. Test method and limit

The measurement is made the following way:

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with absorbers on the floor and measuring antenna at fixed height using 2-axis EUT position system.

The Final Measurement is performed in the Semi-Anechoic Chamber with conducting metal floor, if the Preliminary Measurement results are closer than 20 dB to the permissible value.

The EUT is placed at nonconductive plate at the turntable center.

For each suspected frequency, the turntable is rotated 360 degrees and antenna is scanned from 1 to 4 m. This is repeated for both horizontal and vertical receive antenna polarizations.

The emissions less than 20 dB below the permissible value are reported.

The measurement results are obtained as described below:

$$E [dB\mu V/m] = U_{RX} + A_{TOT}$$

Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable loss, antenna factor and preamplifier gain ($A_{TOT} = L_{CABLES} + A_F - G_{PREAMP}$).

Limits for spurious radiated emissions measurements (3 m measurement distance)

There are 2 sets of limit lines. Part 15.209 limits apply below 1 GHz and on restricted bands above 1GHz. The other limits are described in the table below.

Frequency range [MHz]	Limit [dBm / MHz]
5150 - 5250	1 GHz – 5.15 GHz, 5.35 GHz – 40 GHz: -27
5250 - 5350	1 GHz – 5.25 GHz, 5.35 GHz – 40 GHz: -27
5470 - 5725	1 GHz – 5.47 GHz, 5.725 GHz – 40 GHz: -27
5725 - 5825	1 GHz – 5.715 GHz, 5.835 GHz – 40 GHz: -27 5.715 GHz – 5.725 GHz, 5.825 GHz – 5.835 GHz: -17

2.3. 5 GHz RLAN test results

2.3.1 802.11a, BPSK modulation, 9 Mbps data rate, 20MHz BW.

Channel 36 / 5180MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10359.9	52.44	418.794	44.54	7.9	15.8	68	PASSED
15546.8	48.06	252.872	41.21	6.85	25.9	74	PASSED
20729.4	52.9	441.367	40.32	12.58	21.1	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10359.9	40.7	108.33	32.8	7.9	13.3	54	PASSED
15546.8	35.21	57.597	28.36	6.85	18.8	54	PASSED
20729.4	39.79	97.656	27.21	12.58	14.2	54	PASSED

Channel 40 / 5200MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10399.4	50.06	318.566	42.21	7.85	18.2	68	PASSED
15598.5	47.32	232.3	40.57	6.75	26.7	74	PASSED
20798.4	53	446.632	40.31	12.69	21	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
917.947	25.29	18.387	22.17	3.13	20.7	46	PASSED
937.692	25.18	18.149	22.05	3.13	20.8	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10399.4	37.13	71.887	29.28	7.85	16.9	54	PASSED
15598.5	34.9	55.597	28.15	6.75	19.1	54	PASSED
20798.4	39.56	95.093	26.87	12.69	14.4	54	PASSED

Channel 48 / 5240MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10480.1	52.05	400.313	43.7	8.35	16.2	68	PASSED
15723.3	47.91	248.685	41.21	6.7	26.1	74	PASSED
20955.4	52.79	435.763	40.19	12.6	21.2	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10480.1	40.67	108.031	32.32	8.35	13.33	54	PASSED
15723.3	34.59	53.666	27.89	6.7	19.4	54	PASSED
20955.4	39.94	99.346	27.34	12.6	14.1	54	PASSED

Channel 52 / 5260MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10519.7	51.75	386.857	43.51	8.24	16.5	68	PASSED
15787	48.56	267.979	41.66	6.91	25.4	74	PASSED
21033	53.7	484.34	41.16	12.54	20.3	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10519.7	39.14	90.542	30.9	8.24	14.86	54	PASSED
15787	35.49	59.47	28.59	6.91	18.5	54	PASSED
21033	40.56	106.66	28.02	12.54	13.4	54	PASSED

Channel 60 / 5300MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10599.8	51.41	371.878	43.24	8.17	16.8	68	PASSED
15899.7	48.4	262.997	41.04	7.36	25.6	74	PASSED
21202	53.03	448.281	40.26	12.77	20.9	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
883.197	27.61	24.024	25.42	2.19	18.4	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10599.8	39.2	91.149	31.03	8.17	14.8	54	PASSED
15899.7	35.74	61.242	28.38	7.36	18.3	54	PASSED
21202	40	99.954	27.23	12.77	14	54	PASSED

Channel 64 / 5320MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10640.2	51.78	387.927	43.52	8.27	22.2	74	PASSED
15961.7	48.76	274.157	41.17	7.59	25.2	74	PASSED
21285.7	52.52	422.669	39.74	12.78	21.5	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10640.2	38.74	86.517	30.48	8.27	15.3	54	PASSED
15961.7	35.92	62.539	28.33	7.59	18.1	54	PASSED
21285.7	39.86	98.378	27.08	12.78	14.1	54	PASSED

Channel 100 / 5500MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10993.7	50.87	349.704	42.29	8.58	23.1	74	PASSED
16493.9	49.59	301.717	41.78	7.81	18.6	68	PASSED
22001.4	54.19	512.212	40.91	13.28	14	68	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10993.7	37.87	78.226	29.29	8.58	16.1	54	PASSED
16493.9	35.36	58.627	27.55	7.81	18.64	54	PASSED
22001.4	40.55	106.561	27.27	13.28	13.45	54	PASSED

Channel 116 / 5580MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11161.4	50.79	346.378	42.3	8.49	23.2	74	PASSED
16739.9	49.79	308.638	42.43	7.36	18.4	68	PASSED
22319.9	55.34	584.857	41.17	14.18	18.6	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
883.197	30.15	32.177	27.96	2.19	15.9	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11161.4	37.79	77.509	29.3	8.49	16.2	54	PASSED
16739.9	35.89	62.273	28.53	7.36	18.1	54	PASSED
22319.9	42.65	135.613	28.48	14.18	11.4	54	PASSED

Channel 140 / 5700MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11397.2	51.08	358.055	42.3	8.78	22.9	74	PASSED
17093.1	49.11	285.266	40.4	8.71	19.1	68	PASSED
22800.5	54.35	522.035	40.91	13.44	19.6	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11397.2	38.19	81.199	29.41	8.78	15.8	54	PASSED
17093.1	35.9	62.359	27.19	8.71	18.1	54	PASSED
22800.5	41.62	120.517	28.18	13.44	12.4	54	PASSED

2.3.2 802.11n, QPSK modulation, MCS1: 13.0 Mbps data rate, 20MHz BW.

Channel 36 / 5180MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10359.9	51.55	377.877	43.65	7.9	16.7	68	PASSED
15547.2	48.87	277.715	42.03	6.84	25.1	74	PASSED
20725.7	53.64	481.061	41.04	12.6	20.3	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10359.9	40.22	102.589	32.32	7.9	13.78	54	PASSED
15547.2	35.56	59.945	28.72	6.84	18.4	54	PASSED
20725.7	40.17	101.965	27.57	12.6	13.8	54	PASSED

Channel 40 / 5200MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10401.5	50.42	331.933	42.57	7.85	17.8	68	PASSED
15598.1	47.92	248.886	41.17	6.75	26.1	74	PASSED
20799.9	53.03	448.332	40.39	12.64	20.9	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
826.704	23.58	15.106	21.93	1.65	22.4	46	PASSED
957.664	25.47	18.772	22.39	3.08	20.6	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10401.5	37.52	75.162	29.67	7.85	16.48	54	PASSED
15598.1	35.28	58.097	28.53	6.75	18.7	54	PASSED
20799.9	39.98	99.804	27.34	12.64	14	54	PASSED

Channel 48 / 5240MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10483.6	50.74	344.31	42.3	8.44	17.5	68	PASSED
15718.7	47.86	247.229	41.16	6.7	26.1	74	PASSED
20966.8	53.12	452.793	40.52	12.6	20.9	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10483.6	37.8	77.652	29.36	8.44	16.2	54	PASSED
15718.7	35.17	57.326	28.47	6.7	18.8	54	PASSED
20966.8	40.39	104.568	27.79	12.6	13.6	54	PASSED

Channel 52 / 5260MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10520.8	50.68	341.822	42.44	8.24	17.6	68	PASSED
15773.5	48.35	261.457	41.54	6.81	25.6	74	PASSED
21047.6	53.1	451.7	40.66	12.44	20.9	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10520.8	37.7	76.718	29.46	8.24	16.3	54	PASSED
15773.5	35.27	57.983	28.46	6.81	18.7	54	PASSED
21047.6	40.35	104.148	27.91	12.44	13.6	54	PASSED

Channel 60 / 5300MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10599.9	51.27	366.058	43.1	8.17	17	68	PASSED
15901.1	48.54	267.393	41.16	7.38	25.4	74	PASSED
21201.3	52.85	439.086	40.13	12.72	21.1	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
921.984	25.62	19.094	22.39	3.23	20.4	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10599.9	39.48	94.167	31.31	8.17	14.52	54	PASSED
15901.1	35.62	60.374	28.24	7.38	18.4	54	PASSED
21201.3	39.85	98.231	27.13	12.72	14.2	54	PASSED

Channel 64 / 5320MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10640	51.86	391.787	43.6	8.26	22.1	74	PASSED
15960.5	48.94	280.027	41.36	7.58	25	74	PASSED
21289	52.48	420.872	39.7	12.79	21.5	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10640	40.72	108.58	32.46	8.26	13.3	54	PASSED
15960.5	35.96	62.813	28.38	7.58	18	54	PASSED
21289	39.92	99.129	27.14	12.79	14.1	54	PASSED

Channel 100 / 5500MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11000.3	51.84	390.976	43.32	8.52	22.1	74	PASSED
16508.4	48.43	263.906	40.61	7.82	19.8	68	PASSED
22000.2	54.27	516.892	41	13.27	14	68	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11000.3	39.61	95.642	31.09	8.52	14.4	54	PASSED
16508.4	35.44	59.122	27.62	7.82	18.56	54	PASSED
22000.2	40.92	111.212	27.65	13.27	13.08	54	PASSED

Channel 116 / 5580MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5549.998	60.09	1010.067	53.65	6.44	8.1	68	PASSED
11159.3	50.99	354.364	42.52	8.47	23	74	PASSED
16739	49.34	293.089	41.98	7.36	18.9	68	PASSED
22321.8	55.3	581.969	41.25	14.05	18.7	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5549.998	41.22	115.08	34.78	6.44	12.78	54	PASSED
11159.3	38.02	79.598	29.55	8.47	16	54	PASSED
16739	36.01	63.161	28.65	7.36	17.98	54	PASSED
22321.8	42.37	131.341	28.32	14.05	11.6	54	PASSED

Channel 140 / 5700MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11399.7	51.57	378.879	42.79	8.79	22.4	74	PASSED
17103	49.22	289.068	40.74	8.48	19	68	PASSED
22790.1	54.55	533.826	41.25	13.3	19.4	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11399.7	39.63	95.819	30.85	8.79	14.4	54	PASSED
17103	35.8	61.688	27.32	8.48	18.2	54	PASSED
22790.1	41.46	118.359	28.16	13.3	12.5	54	PASSED

2.3.3 802.11n, BPSK modulation, MCS0: 13.5 Mbps data rate, 40MHz BW.

Channel 36+40 / 5190MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10379.9	51.95	395.594	44.01	7.94	16.3	68	PASSED
15571.5	48.76	274.063	41.98	6.78	25.2	74	PASSED
20760.2	52.78	435.662	40.22	12.57	21.2	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
896.436	24.9	17.585	22.38	2.52	21.1	46	PASSED
932.728	25.72	19.329	22.49	3.23	20.3	46	PASSED
939.663	25.47	18.765	22.39	3.08	20.6	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10379.9	39.74	97.029	31.8	7.94	14.26	54	PASSED
15571.5	35.43	59.095	28.65	6.78	18.6	54	PASSED
20760.2	40.09	101.065	27.53	12.57	13.9	54	PASSED

Channel 44+48 / 5230MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10456.8	50.41	331.551	42.24	8.17	17.8	68	PASSED
15551.5	48.34	261.276	41.49	6.85	25.6	74	PASSED
20697.7	53.15	454.569	40.48	12.67	20.8	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10456.8	37.66	76.366	29.49	8.17	16.34	54	PASSED
15551.5	35.47	59.381	28.62	6.85	18.5	54	PASSED
20697.7	40.14	101.637	27.47	12.67	13.9	54	PASSED

Channel 52+56 / 5270MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10537.6	50.16	321.959	41.98	8.18	18.1	68	PASSED
15810.8	49.03	282.944	41.98	7.06	24.9	74	PASSED
21082.6	53.32	463.394	40.87	12.45	20.7	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
918.887	25.67	19.211	22.5	3.18	20.3	46	PASSED
920.968	25.73	19.34	22.5	3.23	20.3	46	PASSED
952.653	25.42	18.67	22.38	3.04	20.6	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10537.6	37.42	74.259	29.24	8.18	16.58	54	PASSED
15810.8	35.35	58.56	28.3	7.06	18.6	54	PASSED
21082.6	40.34	104.028	27.89	12.45	13.7	54	PASSED

Channel 60+64 / 5310MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10600	50.55	336.744	42.38	8.17	17.7	68	PASSED
15936.8	48.34	261.096	40.87	7.47	25.6	74	PASSED
21247.8	52.64	428.598	39.96	12.68	21.3	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10600	37.28	73.097	29.11	8.17	16.7	54	PASSED
15936.8	35.56	59.972	28.09	7.47	18.4	54	PASSED
21247.8	39.64	95.929	26.96	12.68	14.4	54	PASSED

Channel 100+104 / 5510MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11001.3	51.17	361.826	42.65	8.52	22.8	74	PASSED
16543.3	48.81	275.772	41.12	7.69	19.4	68	PASSED
22051.4	54.12	508.042	40.74	13.38	19.9	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11001.3	37.76	77.286	29.24	8.52	16.2	54	PASSED
16543.3	35.43	59.054	27.74	7.69	18.57	54	PASSED
22051.4	40.66	107.857	27.28	13.38	13.3	54	PASSED

Channel 108+112 / 5550MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11098.6	50.88	349.744	42.39	8.5	23.1	74	PASSED
16650.9	48.42	263.603	40.87	7.55	19.8	68	PASSED
22204	54.34	521.375	40.74	13.6	19.6	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
883.207	28.71	27.243	26.52	2.2	17.3	46	PASSED
919.133	25.68	19.24	22.49	3.19	20.3	46	PASSED
959.978	31.29	36.703	28.18	3.11	14.7	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11098.6	37.56	75.527	29.07	8.5	16.4	54	PASSED
16650.9	35.85	61.98	28.3	7.55	18.15	54	PASSED
22204	41.88	124.165	28.28	13.6	12.1	54	PASSED

Channel 132+136 / 5670MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11348.2	50.04	317.578	41.25	8.79	23.9	74	PASSED
17017.6	48.54	267.208	40.35	8.19	19.7	68	PASSED
22696.5	54.06	504.603	40.48	13.58	19.9	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11348.2	37.77	77.33	28.98	8.79	16.2	54	PASSED
17017.6	35.68	60.799	27.49	8.19	18.3	54	PASSED
22696.5	41.25	115.491	27.67	13.58	12.7	54	PASSED

2.3.4 802.11n, QPSK modulation, MCS0: 27.0 Mbps data rate, 40MHz BW.

Channel 36+40 / 5190MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10380.1	51.54	377.572	44.61	6.93	16.7	68	PASSED
15573.8	48.54	267.301	41.76	6.78	25.4	74	PASSED
20760.2	52.82	437.27	40.26	12.57	21.2	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
919.204	25.8	19.489	22.61	3.19	20.2	46	PASSED
931.18	25.86	19.634	22.61	3.26	20.2	46	PASSED
955.881	25.56	18.965	22.5	3.06	20.5	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10380.1	40.48	105.67	33.55	6.93	13.2	54	PASSED
15573.8	35.65	60.597	28.87	6.78	18.4	54	PASSED
20760.2	40.18	102.094	27.62	12.57	13.8	54	PASSED

Channel 44+48 / 5230MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10458.5	50.72	343.598	42.55	8.17	17.5	68	PASSED
15571.9	48.43	263.785	41.65	6.79	25.6	74	PASSED
20665	53.1	451.856	40.25	12.85	20.9	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10458.5	37.94	78.904	29.77	8.17	16.06	54	PASSED
15571.9	35.66	60.667	28.88	6.79	18.3	54	PASSED
20665	40.46	105.439	27.61	12.85	13.5	54	PASSED

Channel 52+56 / 5270MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10539.8	51.66	383.001	43.5	8.16	16.6	68	PASSED
15806.6	48.55	267.485	41.52	7.03	25.4	74	PASSED
21077.3	53.9	495.45	41.52	12.38	20.1	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
916.355	25.75	19.391	22.71	3.04	20.3	46	PASSED
926.212	25.84	19.597	22.6	3.24	20.2	46	PASSED
956.931	25.68	19.229	22.61	3.08	20.3	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10539.8	39.98	99.759	31.82	8.16	14.02	54	PASSED
15806.6	35.65	60.59	28.62	7.03	18.4	54	PASSED
21077.3	40.54	106.378	28.16	12.38	13.5	54	PASSED

Channel 60+64 / 5310MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10600	50.58	338.143	42.41	8.17	17.6	68	PASSED
15916.9	48.68	271.675	41.27	7.41	25.3	74	PASSED
21250.4	52.8	436.315	40.12	12.68	21.2	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10600	37.69	76.613	29.52	8.17	16.3	54	PASSED
15916.9	35.7	60.954	28.29	7.41	18.3	54	PASSED
21250.4	39.94	99.334	27.26	12.68	14.1	54	PASSED

Channel 100+104 / 5510MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11027.4	51.27	365.805	42.69	8.58	22.7	74	PASSED
16545.1	48.7	272.145	41.03	7.67	19.5	68	PASSED
22057.5	54.12	508.335	40.64	13.49	19.9	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11027.4	38.26	81.884	29.68	8.58	15.7	54	PASSED
16545.1	35.74	61.235	28.07	7.67	18.3	54	PASSED
22057.5	41	112.202	27.52	13.49	13	54	PASSED

Channel 108+112 / 5550MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11101	50.75	344.747	42.28	8.47	23.2	74	PASSED
16647	49.09	284.807	41.52	7.58	19.1	68	PASSED
22198.1	55.08	567.545	41.39	13.69	18.9	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
911.201	25.5	18.834	22.71	2.79	20.5	46	PASSED
923.848	25.83	19.575	22.6	3.23	20.2	46	PASSED
950.685	25.52	18.878	22.5	3.02	20.5	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11101	37.98	79.259	29.51	8.47	16	54	PASSED
16647	36.19	64.506	28.62	7.58	17.81	54	PASSED
22198.1	42.18	128.529	28.49	13.69	11.8	54	PASSED

Channel 132+136 / 5670MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11359.9	51.2	362.869	42.42	8.78	22.8	74	PASSED
17018.9	49.48	297.955	41.27	8.21	18.7	68	PASSED
22697.1	54.98	560.919	41.4	13.58	19	74	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11359.9	38.24	81.639	29.46	8.78	15.8	54	PASSED
17018.9	36.05	63.489	27.84	8.21	17.95	54	PASSED
22697.1	41.52	119.056	27.94	13.58	12.5	54	PASSED

2.3.5 802.11ac, BPSK modulation, MCS0: 29.3 Mbps data rate, 80MHz BW.

Channel 36-48 / 5210MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10420.2	50.71	342.965	42.83	7.88	17.5	68	PASSED
15630.7	49.06	283.661	42.28	6.78	24.9	74	PASSED
20834.1	53.08	450.661	40.38	12.7	20.9	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
868.918	23.94	15.745	22.16	1.78	22.1	46	PASSED
893.39	24.96	17.697	22.5	2.46	21.1	46	PASSED
959.914	26.33	20.735	23.22	3.11	19.7	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10420.2	38.27	81.941	30.39	7.88	15.5	54	PASSED
15630.7	35.31	58.291	28.53	6.78	18.7	54	PASSED
20834.1	40.04	100.508	27.34	12.7	14	54	PASSED

Channel 52-64 / 5290MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10579.6	51.95	395.64	43.64	8.31	16.3	68	PASSED
15877.9	48.16	255.976	40.89	7.27	25.8	74	PASSED
21158.2	52.63	428.006	39.99	12.64	21.4	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
901.549	25.13	18.041	22.5	2.63	20.9	46	PASSED
934.859	25.69	19.246	22.5	3.19	20.3	46	PASSED
959.981	32.15	40.518	29.04	3.11	13.9	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10579.6	38.79	87.026	30.48	8.31	15.2	54	PASSED
15877.9	35.44	59.17	28.17	7.27	18.6	54	PASSED
21158.2	40.11	101.24	27.47	12.64	13.9	54	PASSED

Channel 100-112 / 5530MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11063.1	51.04	356.533	42.42	8.63	22.9	74	PASSED
16590.8	48.49	265.889	40.77	7.73	19.7	68	PASSED
22114.1	54.43	526.744	40.77	13.66	19.5	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
829.344	23.66	15.248	21.93	1.73	22.4	46	PASSED
884.397	24.51	16.802	22.28	2.23	21.5	46	PASSED
902.39	27.5	23.722	24.86	2.65	18.5	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11063.1	38.01	79.506	29.39	8.63	16	54	PASSED
16590.8	35.66	60.66	27.94	7.73	18.3	54	PASSED
22114.1	41.17	114.38	27.51	13.66	12.8	54	PASSED

2.3.6 802.11ac, QPSK modulation, MCS1: 58.5 Mbps data rate, 80MHz BW.

Channel 36-48 / 5210MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10423.9	50.98	354.16	43.09	7.89	17.2	68	PASSED
15629.4	48.54	267.331	41.77	6.77	25.4	74	PASSED
20847.1	53.7	484.228	41.03	12.67	20.3	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
902.396	26.82	21.915	24.18	2.65	19.2	46	PASSED
916.111	25.31	18.418	22.28	3.03	20.7	46	PASSED
941.562	25.22	18.237	22.17	3.06	20.8	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10423.9	37.58	75.666	29.69	7.89	16.4	54	PASSED
15629.4	35.25	57.863	28.48	6.77	18.8	54	PASSED
20847.1	39.98	99.804	27.31	12.67	14	54	PASSED

Channel 52-64 / 5290MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10579.7	51.27	366.142	42.96	8.31	17	68	PASSED
15877.9	48.17	256.271	40.9	7.27	25.8	74	PASSED
21163.1	52.83	437.925	40.26	12.57	21.2	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
883.227	29.74	30.68	27.55	2.2	16.3	46	PASSED
930.738	25.43	18.679	22.17	3.26	20.6	46	PASSED
934.523	25.36	18.537	22.16	3.2	20.7	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
10579.7	38.12	80.519	29.81	8.31	15.9	54	PASSED
15877.9	35.38	58.762	28.11	7.27	18.6	54	PASSED
21163.1	39.9	98.81	27.33	12.57	14.1	54	PASSED

Channel 100-112 / 5530MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11063.2	50.78	346.019	42.16	8.63	23.2	74	PASSED
16586.5	48.27	259.179	40.52	7.76	20	68	PASSED
22116.7	53.79	488.99	40.13	13.66	20.2	74	PASSED

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
858.118	23.58	15.094	21.71	1.88	22.4	46	PASSED
925.831	25.4	18.623	22.16	3.24	20.6	46	PASSED
931.848	25.41	18.638	22.17	3.24	20.6	46	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
11063.2	37.97	79.168	29.35	8.63	16	54	PASSED
16586.5	35.49	59.47	27.74	7.76	18.5	54	PASSED
22116.7	41.03	112.577	27.37	13.66	13	54	PASSED

3. Test Equipment

3.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
4406	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
7602	Communication Tester	CMW500	R&S	22/24/27, 15C, 15B
7151	Bluetooth Tester	CBT	R&S	15B
-	GPS RX Antenna w/AMP	L1A-PM-NF	GPS Source	15C
-	GPS Inline amplifier	A11M-V-NF-NM	GPS Source	15C
-	GPS signal Splitter	S12-P110/5-NF	GPS Source	15C
-	GPS TX Antenna	L1P-PV-NF	GPS Source	15C
7912	Spectrum Analyzer	FSV-30	R&S	22/24/27, 15C
-	Thermal Chamber	VT-4002	Vötsch	22/24/27, 15C
-	Power splitter	11667B	Agilent	22/24/27, 15C
3396	EMC Analyzer	E7405A	HP	-
7451	EMI Receiver	ESU-26	R&S	22/24/27, 15C, 15B
4188	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
6981	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
-	Pulse Limiter	ESH3-Z2	R&S	15C, 15B
7582	Signal Generator	SMB100A	R&S	15C, 15B

3.2. Radiated measurements

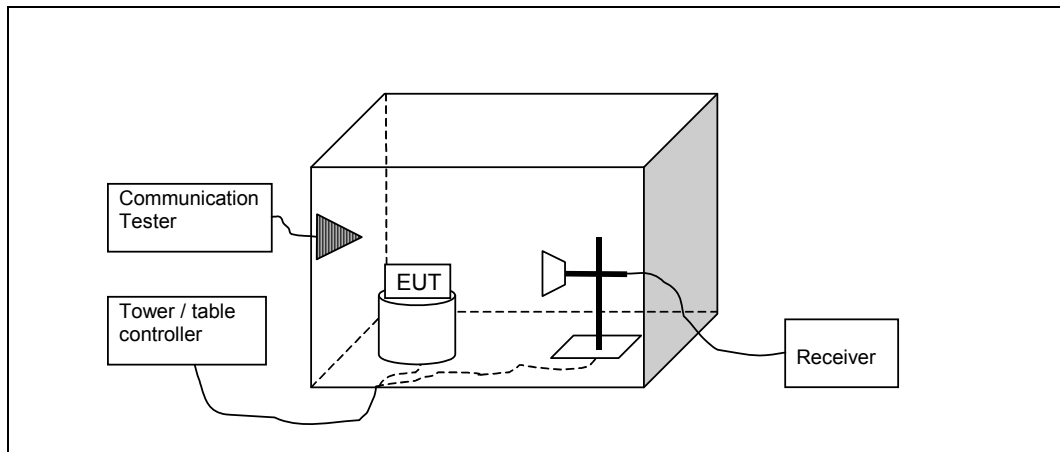
Eq. No	Equipment	Type	Manufacturer	Used in
7591	Antenna	HL562	R&S	22/24/27, 15C, 15B
7572	Double Ridge Horn Antenna	3117	ETS-Lindgren	22/24/27, 15C
7607	Standard Gain Horn Antenna	SAS 586	A.H. System	22/24/27, 15C
7624	Standard Gain Horn Antenna	SAS 587	A.H. System	22/24/27, 15C
7561	Antenna	HFH2-Z2	R&S	15C, 15B
5715	Antenna	MBA-3030	EMC Automation	22/24/27, 15C
5712	Antenna	PLP3003	EMC Automation	22/24/27, 15C
7457	Relay Switch Unit	TS-RSP	R&S	22/24/27, 15C, 15B
7459	Relay Switch Unit	TS-RSP	R&S	22/24/27, 15C, 15B
5729	Relay Switch Unit	TS-RSP	R&S	22/24/27, 15C, 15B
5728	EMI Receiver	ESIB26	R&S	22/24/27, 15C, 15B
4406	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
7602	Communication Tester	CMW500	R&S	22/24/27, 15C, 15B
7151	Bluetooth Tester	CBT	R&S	15B
3406	Controller	Sc99V	Sunol	22/24/27, 15C, 15B
-	Controller	G-1000DXC	Yaesu	22/24/27, 15C, 15B
-	Computer Controller	GS-232B	Yaesu	22/24/27, 15C, 15B
7040	Preamplifier	TS-PR3	R&S	22/24/27, 15C, 15B
-	Preamplifier	AMF-6D-020180-29-20P	Miteq	22/24/27, 15C, 15B
-	Preamplifier	AMF-4D-01000800-30-29P	Miteq	22/24/27, 15C, 15B
-	Preamplifier	AMF-5F-18002650-25-10P	Miteq	22/24/27, 15C, 15B
-	High Pass Filter	4HC1700-1-KK	R&S	22
-	High Pass Filter	F-15041	RLC	22/24/27, 15C
-	Band Reject Filter	WRCA824/849-0.2-6SS	Wainwright	22
-	Band Reject Filter	WRCC1800/2000-0.2-10SS	Wainwright	24
-	Band Reject Filter	WRCG2400/2483-2390/2493-35/10SS	Wainwright	15C
-	Band Reject Filter	WRCG832/838-825/845-40/5SS	Wainwright	22
-	Band Reject Filter	WRCG1729.4/1735.4-1722.4/1742.4-40/6SS	Wainwright	27

Eq. No	Equipment	Type	Manufacturer	Used in
-	Band Reject Filter	WRCG1877/1883 - 1870/1890-40/6SS	Wainwright	24
-	Notch Filter	WRCD1880-1.1.25/50-10SS	Wainwright	22/24/27
-	Notch Filter	WRCT902.4-0.4/40-8SS	Wainwright	-
Planned	Notch Filter	WRCJV2531/2539-2523/2547-60/12SS	Wainwright	22/24/27
-	GPS RX Antenna w/AMP	L1A-PM-NF	GPS Source	15C
-	GPS Inline amplifier	A11M-V-NF-NM	GPS Source	15C
-	GPS signal Splitter	S12-P110/5-NF	GPS Source	15C
-	GPS TX Antenna	L1P-PV-NF	GPS Source	15C

4. Band edge compliance of RF emissions (FCC §15.407 (b), RSS-210 A9.2)

EUT with DUT number	RM-927, DUT 30743
Accessories with DUT numbers	CA-190, DUT 30745 ; AC-60, DUT 30744 ; WH-902, DUT 30746
Operation Voltage [V] / [Hz]	115V/60Hz
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	16.1/44.6/1050
Date of measurements	16-Aug-2013
Measured by	Tyrone Hawes

4.1.1 Test setup



4.2. Test method and limit

The measurement is made according to KDB 789033 and IC standard RSS-210. The measurement results are obtained as described below:

$$E [dB\mu V/m] = U_{RX} + A_{TOT}$$

Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable loss, antenna factor and preamplifier gain ($A_{TOT} = L_{CABLES} + A_F - G_{PREAMP}$).

The limits in the table below are listed for the 100 MHz span around the band edges.

$$P [W] = (10^{\text{to power (P [dBm / 10])}}) / 1000.$$

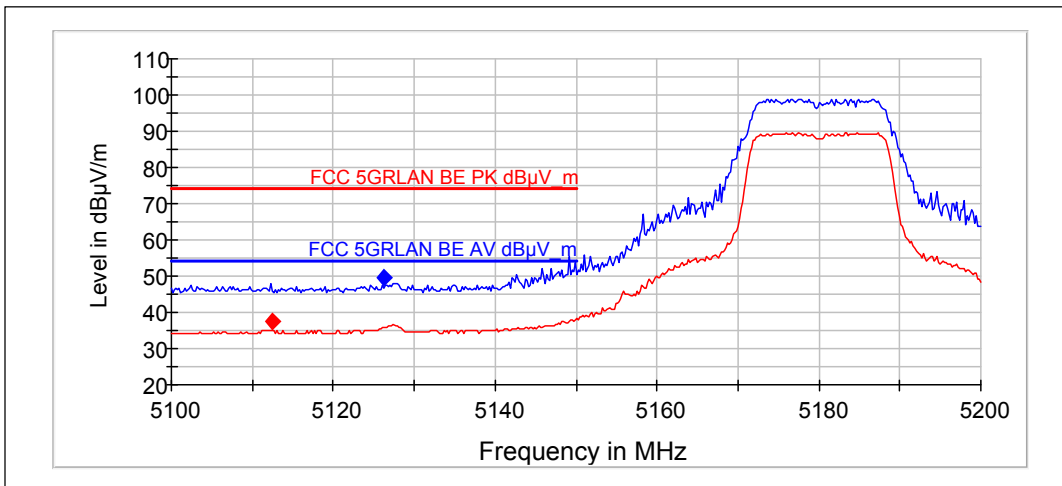
$$E \text{ [dBuV/m]} = 20 * \text{LOG} ((\text{square root } (30 * P \text{ [W]}) / 3 \text{ m}) * 1000000)$$

Frequency range [MHz]	Limit [dBm / MHz]	Limit dBuV/m @ 3m
5150 - 5250	≤ 5.150 GHz and ≥ 5.350: 54 dBuV/m (avg), 74 dBuV/m (pk)	68.23
5250 - 5350	≤ 5.150 GHz and ≥ 5.350 GHz: 54 dBuV/m (avg), 74 dBuV/m (pk)	68.23
5470 - 5725	≤ 5.460 GHz: 54 dBuV/m (avg), 74 dBuV/m (pk) 5.460 – 5.470 GHz: -27 dBm/MHz (pk)	68.23
5725 - 5825	5.825 – 5.835 GHz: -17 dBm/MHz (pk) ≥ 5.835 GHz: -27 dBm/MHz (pk)	68.23 78.23

4.3. 5 GHz RLAN test results

4.3.1 802.11a, BPSK modulation, 9 Mbps data rate, 20MHz BW.

Channel 36 / 5180MHz



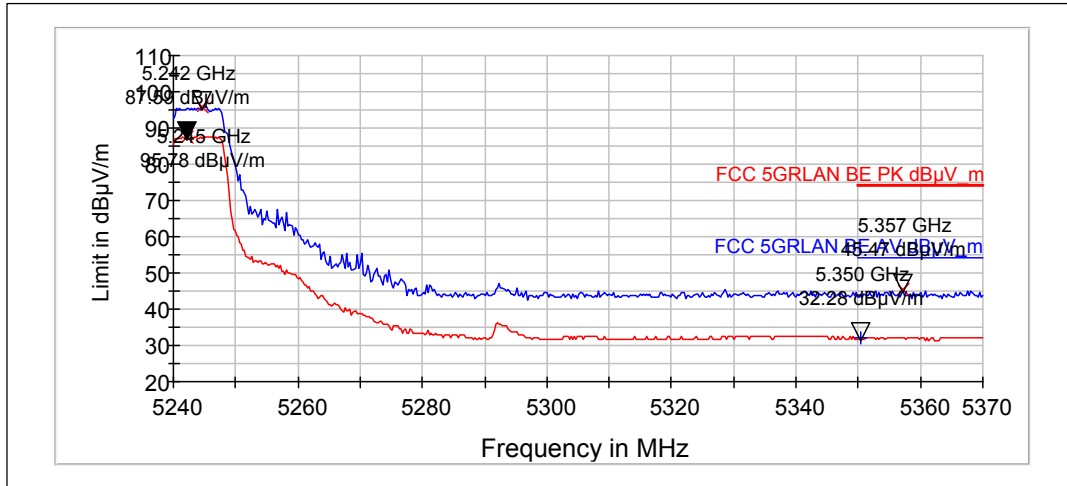
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5126.253	49.52	299.158	41.92	7.6	24.5	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5112.525	37.46	74.628	30.01	7.45	16.5	54	PASSED

Channel 48 / 5240MHz



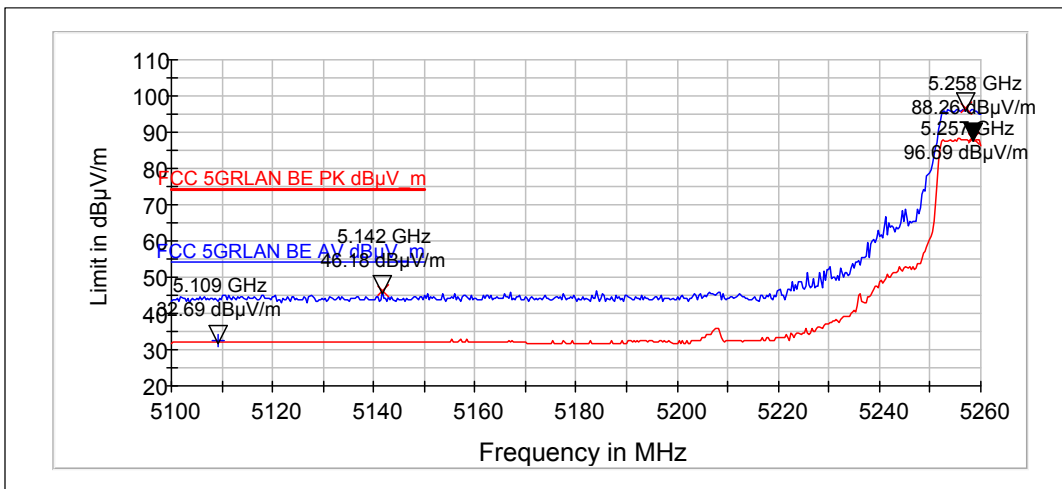
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	PK2 [dBμV/m]	Results
5357	45.47	187.802	39.25	6.22	5244.689	95.779	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	AV2 [dBμV/m]	Results
5350	32.28	41.115	26.02	6.26	5242.084	87.586	PASSED

Channel 52 / 5260MHz



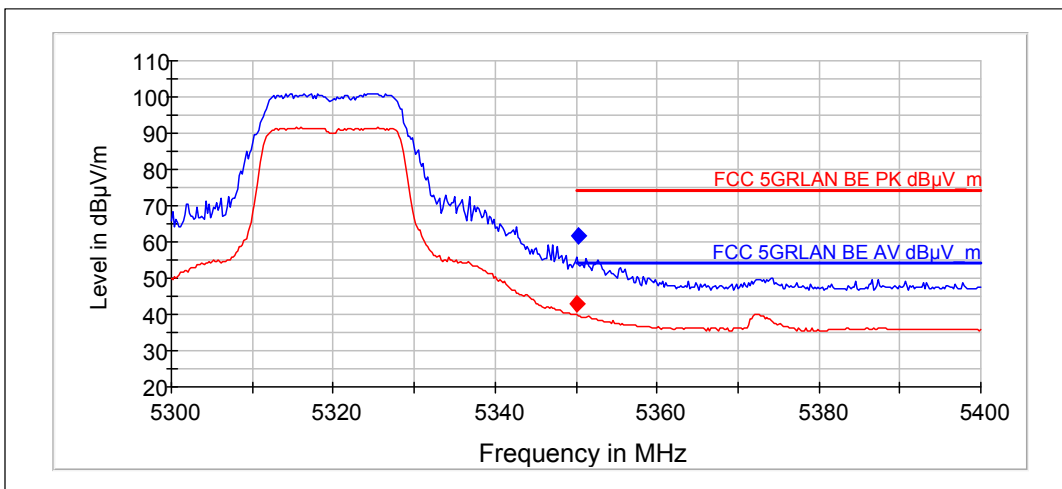
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	PK2 [dBμV/m]	Results
5142	46.18	203.775	39.45	6.73	5257.114	96.69	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	AV2 [dBμV/m]	Results
5109	32.69	43.087	26.02	6.67	5258.397	88.263	PASSED

Channel 64 / 5320MHz



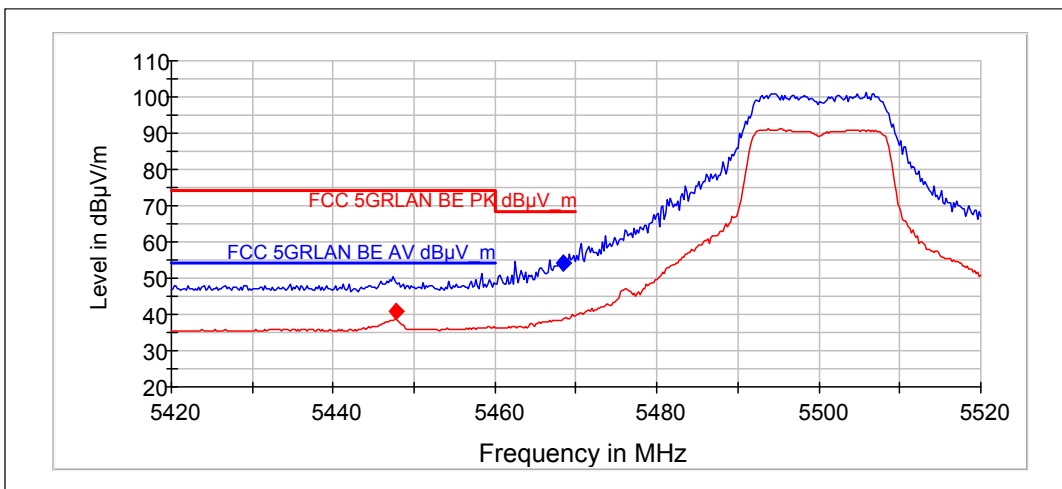
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5350.2	61.5	1188.365	55.24	6.26	12.5	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5350	42.96	140.524	36.7	6.27	11	54	PASSED

Channel 100 / 5500MHz



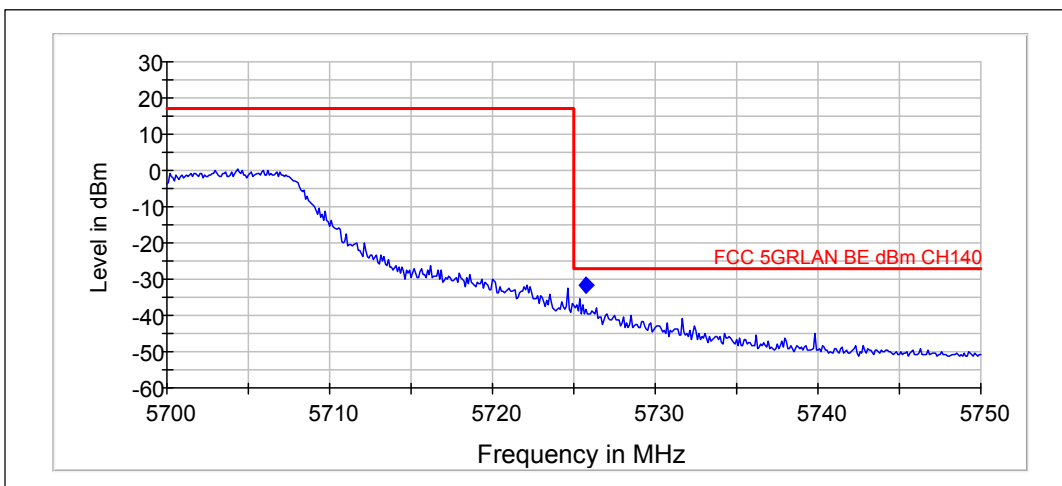
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5468.497	54.07	505.01	47.21	6.86	14.1	68	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5447.756	40.7	108.38	34.54	6.16	13.3	54	PASSED

Channel 140 / 5700MHz

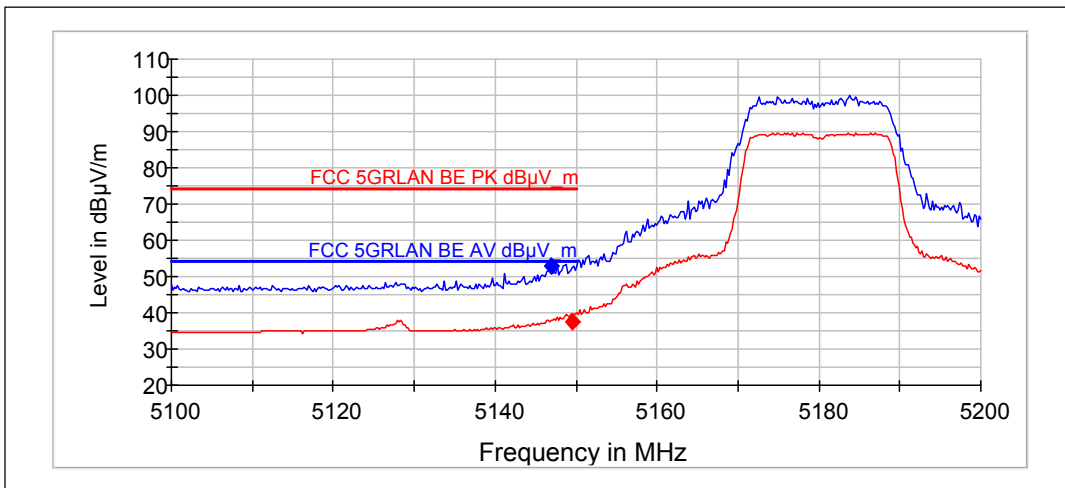


Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	P [dBm]	P [μW]	P _{MEAS} [dBm]	A _{TOT} [dB]	Margin	Limit [dBm]	Results
5725.756	-31.62	0.68929	-47.45	15.83	4.6	-27	PASSED

4.3.2 802.11n, QPSK modulation, MCS1: 13.0 Mbps data rate, 20MHz BW.

Channel 36 / 5180MHz



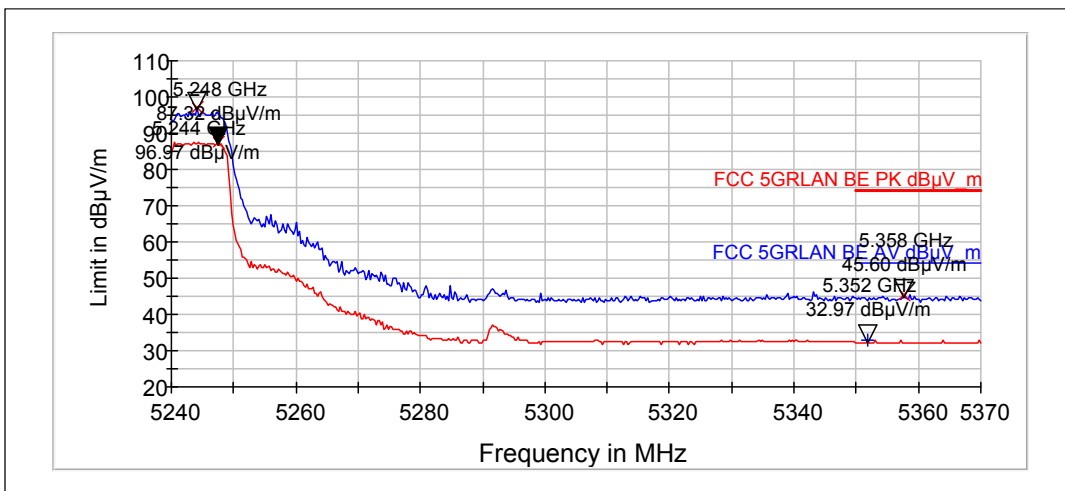
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5146.894	52.92	442.537	46.14	6.78	21.1	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5149.599	37.7	76.71	30.01	7.69	16.3	54	PASSED

Channel 48 / 5240MHz



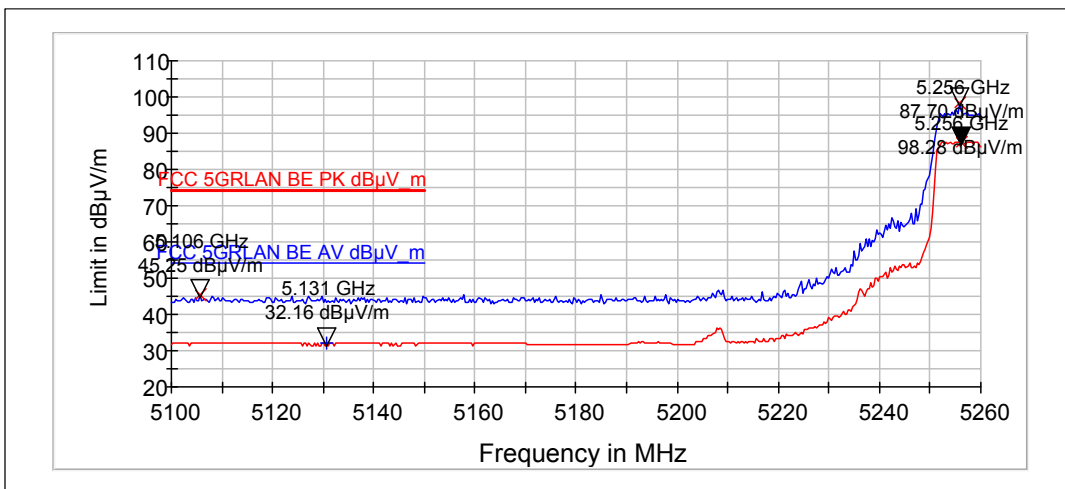
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	PK2 [dBμV/m]	Results
5358	45.6	190.546	39.39	6.21	5244.168	96.968	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	AV2 [dBμV/m]	Results
5352	32.97	44.499	26.72	6.25	5247.555	87.323	PASSED

Channel 52 / 5260MHz



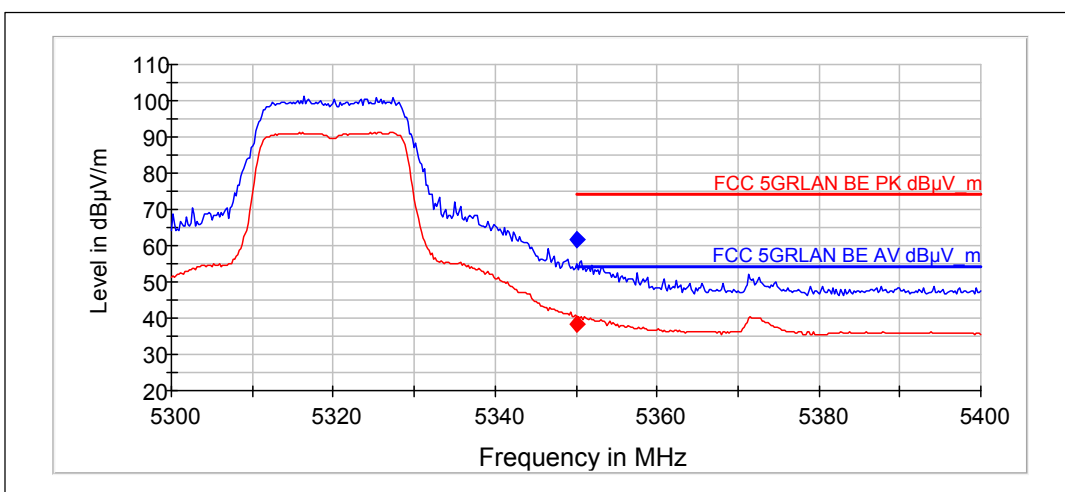
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	PK2 [dBμV/m]	Results
5106	45.25	182.936	38.6	6.65	5255.832	98.282	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Frequency2 [MHz]	AV2 [dBμV/m]	Results
5131	32.16	40.546	25.26	6.9	5256.152	87.7	PASSED

Channel 64 / 5320MHz



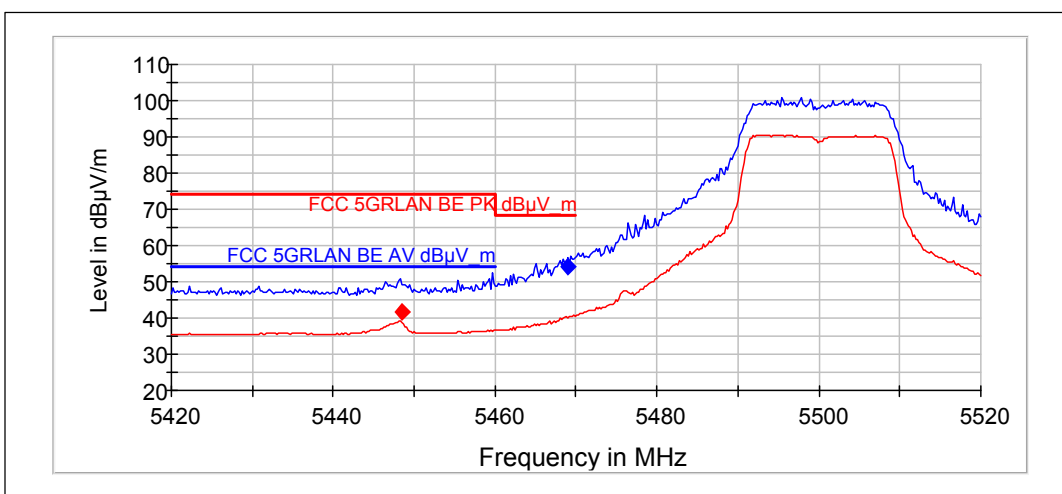
MaxPeak

Frequency [MHz]	MaxPeak [dB μ V/m]	Height [cm]	Polarization	Azimuth [deg]	Elevation [deg]	Margin - PK+	Limit - PK+ [dB μ V/m]	Results
5350.1	61.554	169	V	13	2	12.4	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	Average [dB μ V/m]	Height [cm]	Polarization	Azimuth [deg]	Elevation [deg]	Margin - AVG	Limit - AVG	Results
5350	38.468	169	H	13	2	15.5	54	PASSED

Channel 100 / 5500MHz



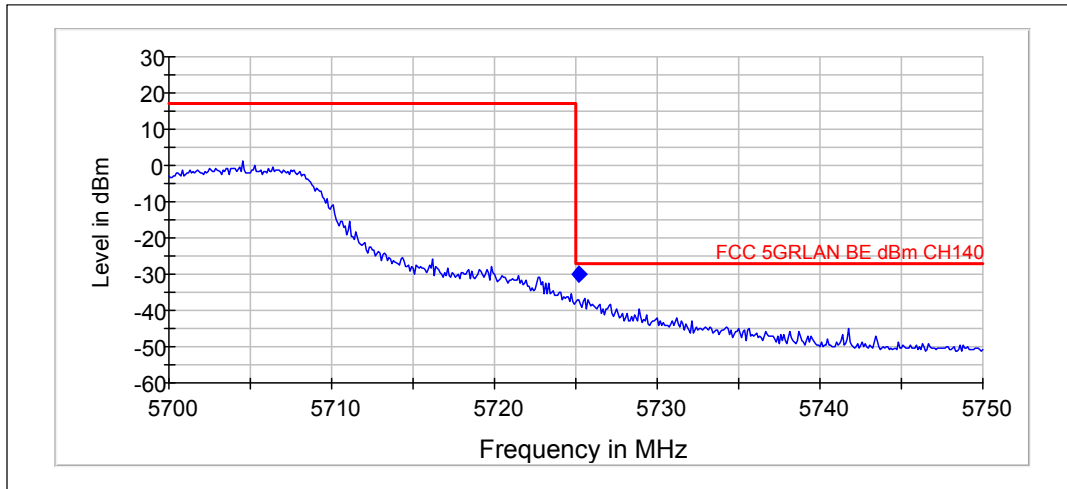
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Margin	Limit [dB μ V/m]	Results
5468.998	54.06	504.371	47.2	6.86	14.1	68	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Margin	Limit [dB μ V/m]	Results
5448.557	41.48	118.55	35.32	6.16	12.5	54	PASSED

Channel 140 / 5700MHz

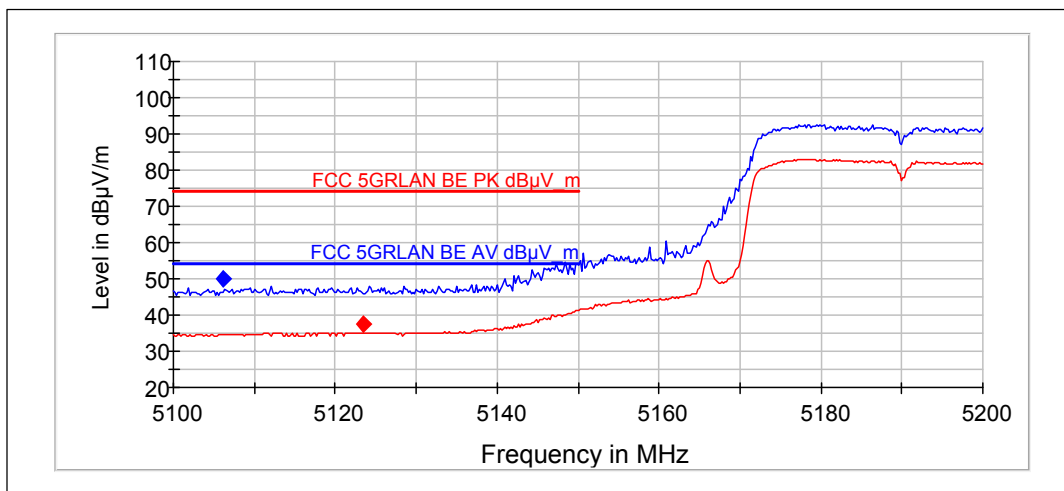


Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	P [dBm]	P [μ W]	P _{MEAS} [dBm]	A _{TOT} [dB]	Margin	Limit [dBm]	Results
5725.154	-29.93	1.01719	-45.78	15.85	2.9	-27	PASSED

4.3.3 802.11n, BPSK modulation, MCS0: 13.5 Mbps data rate, 40MHz BW.

Channel 36+40 / 5190MHz



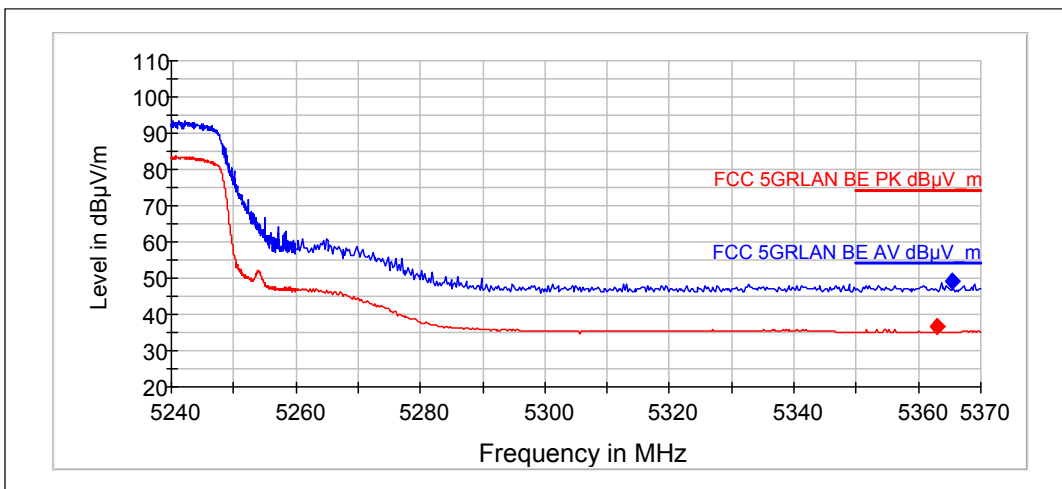
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5106.112	50.17	322.515	42.78	7.39	23.8	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5123.447	37.56	75.501	30.01	7.55	16.4	54	PASSED

Channel 44+48 / 5230MHz



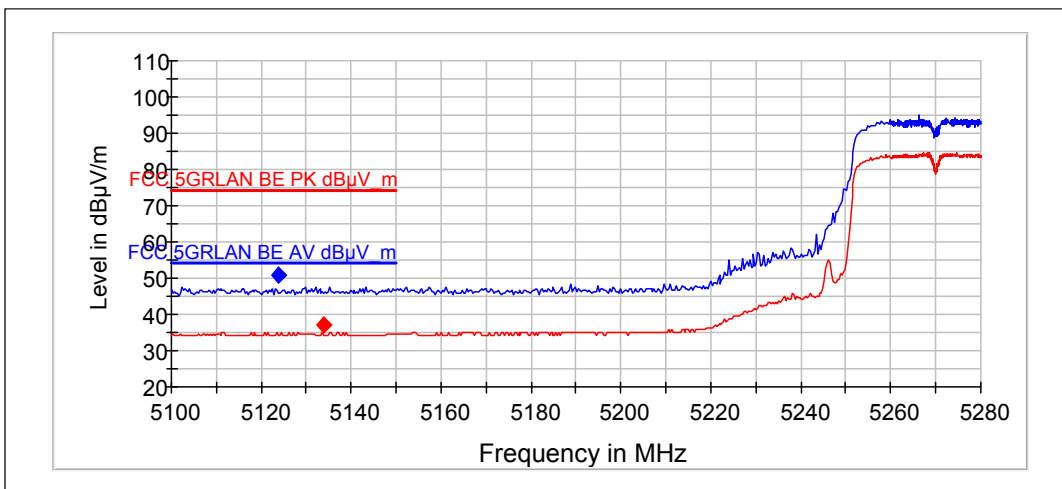
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5365.351	49.2	288.536	42.16	7.04	24.8	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5362.866	36.61	67.647	29.55	7.07	17.4	54	PASSED

Channel 52+56 / 5270MHz



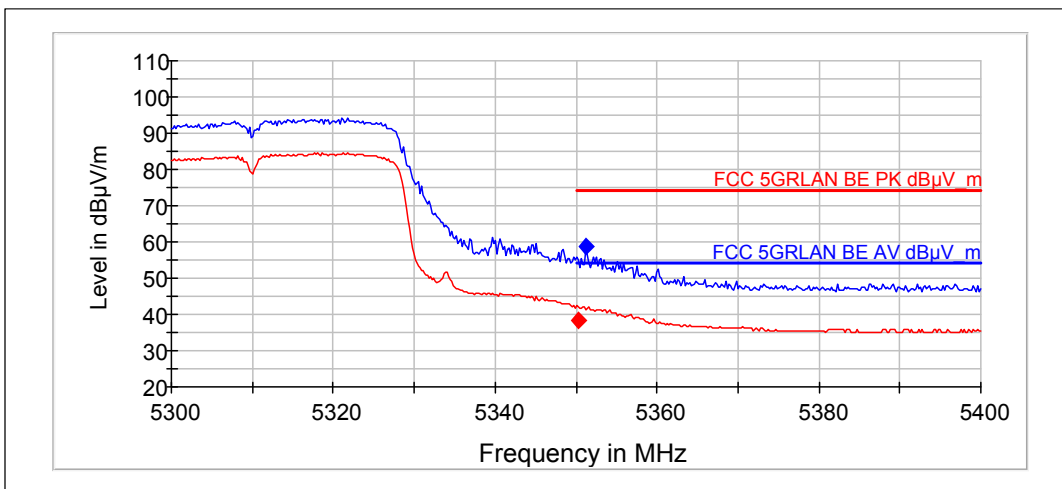
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5123.722	50.7	342.886	43.15	7.55	23.3	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5133.893	37.1	71.639	29.54	7.56	16.9	54	PASSED

Channel 60+64 / 5310MHz



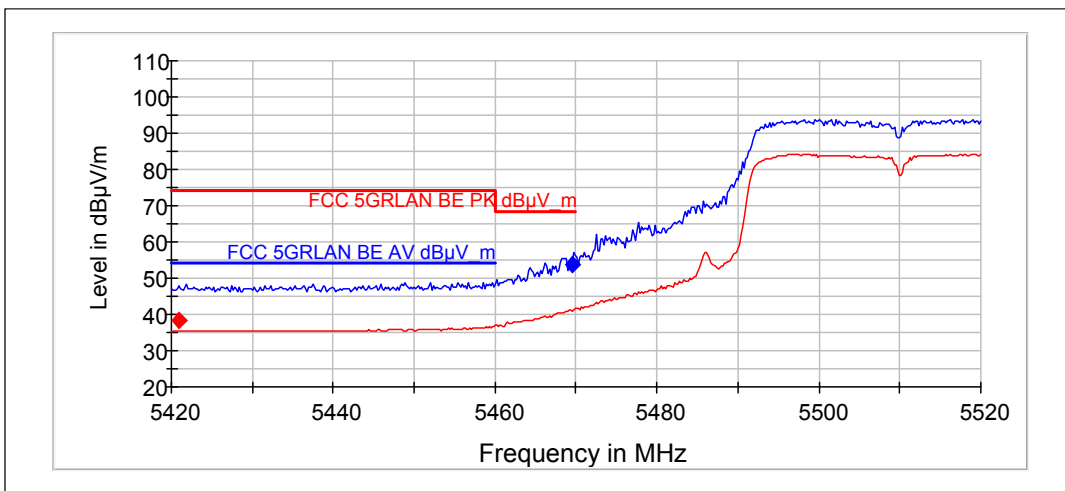
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5351.303	58.93	883.792	52.67	6.26	15.1	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5350.301	38.47	83.801	31.29	7.18	15.5	54	PASSED

Channel 100+104 / 5510MHz



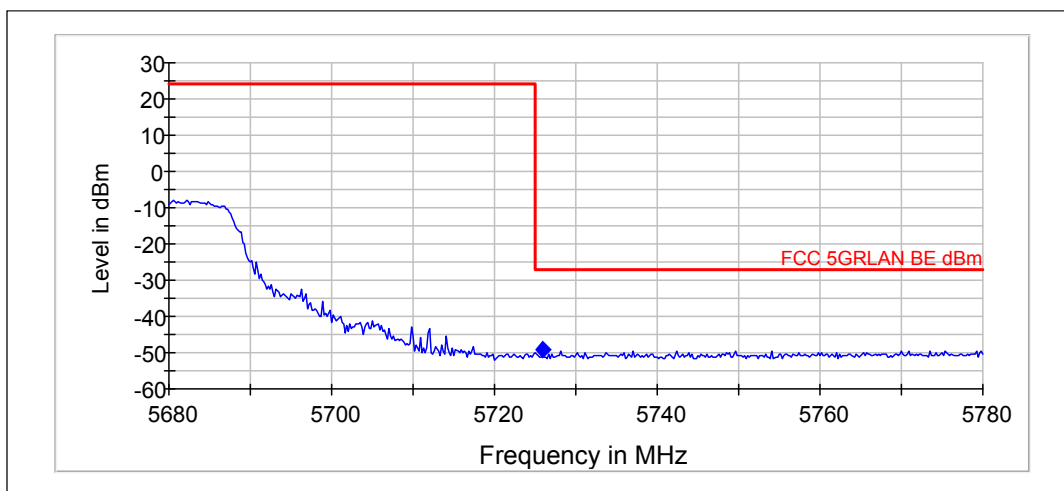
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5469.499	53.7	484.061	46.84	6.86	14.5	68	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5421.002	38.22	81.442	31.29	6.93	15.8	54	PASSED

Channel 132+136 / 5670MHz

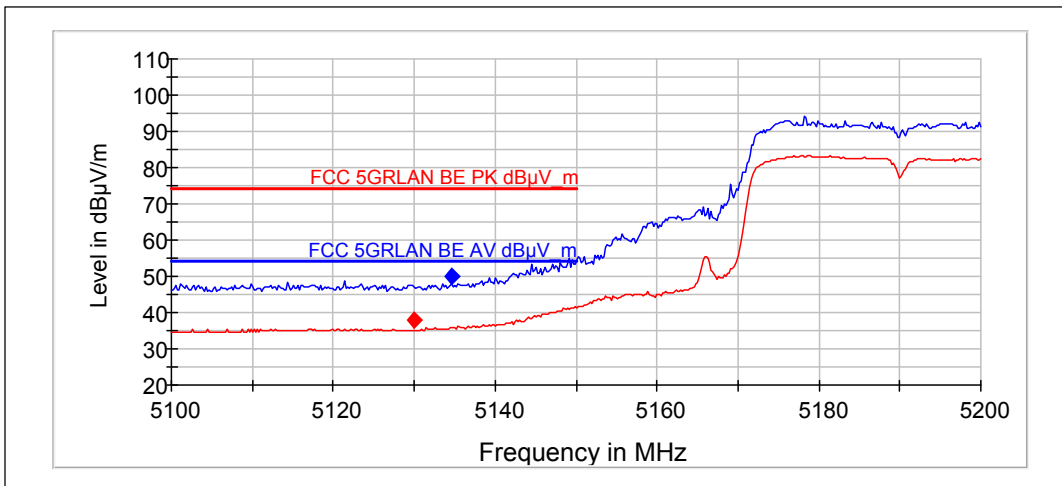


Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	P [dBm]	P [μ W]	P _{MEAS} [dBm]	A _{TOT} [dB]	Margin	Limit [dBm]	Results
5725.906	-49.08	0.01236	-64.9	15.82	22.1	-27	PASSED

4.3.4 802.11n, QPSK modulation, MCS0: 27.0 Mbps data rate, 40MHz BW.

Channel 36+40 / 5190MHz



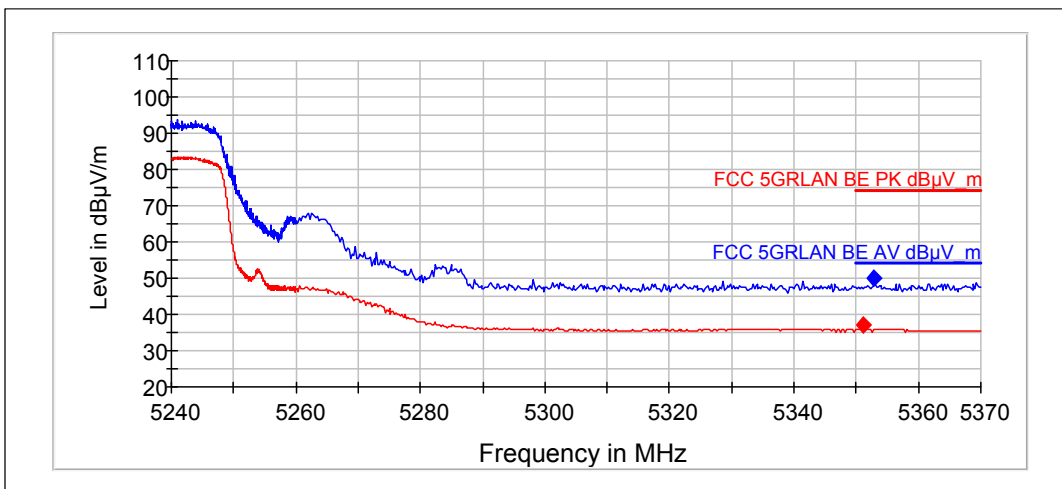
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5134.669	49.92	313.22	42.4	7.53	24.1	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5129.96	37.72	76.878	30.01	7.71	16.3	54	PASSED

Channel 44+48 / 5230MHz



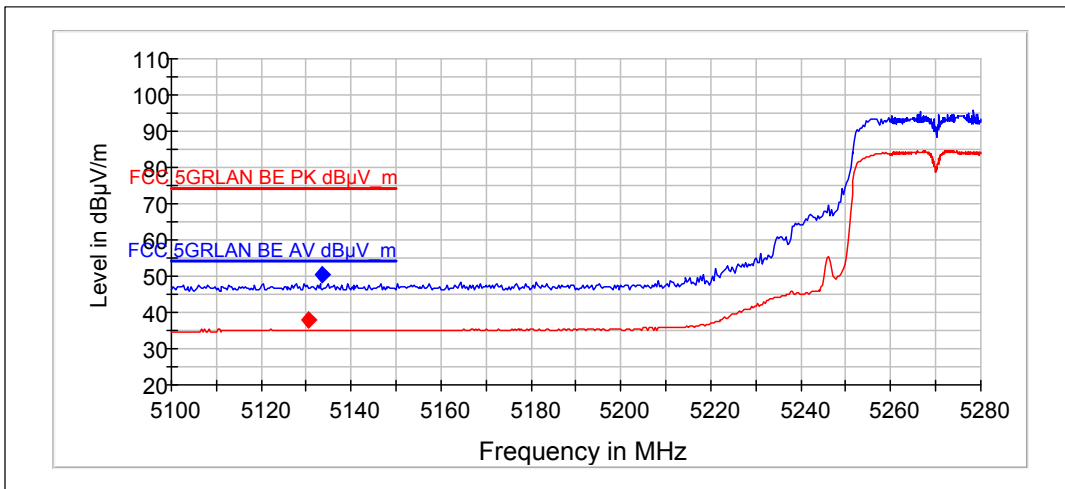
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5352.846	50.04	317.834	42.88	7.16	24	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5351.002	37.19	72.319	30.02	7.18	16.8	54	PASSED

Channel 52+56 / 5270MHz



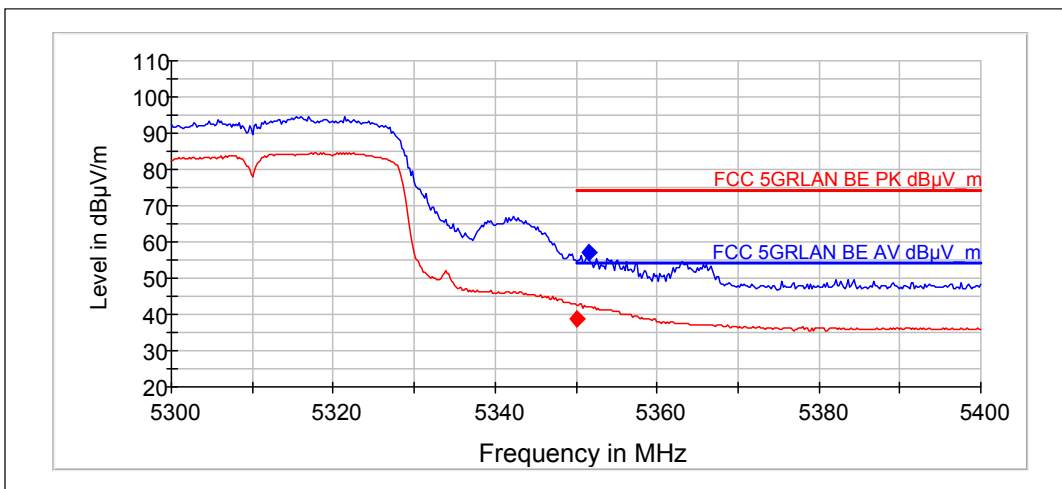
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5133.442	50.25	325.387	42.67	7.59	23.8	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5130.536	37.73	77.019	30.01	7.72	16.3	54	PASSED

Channel 60+64 / 5310MHz



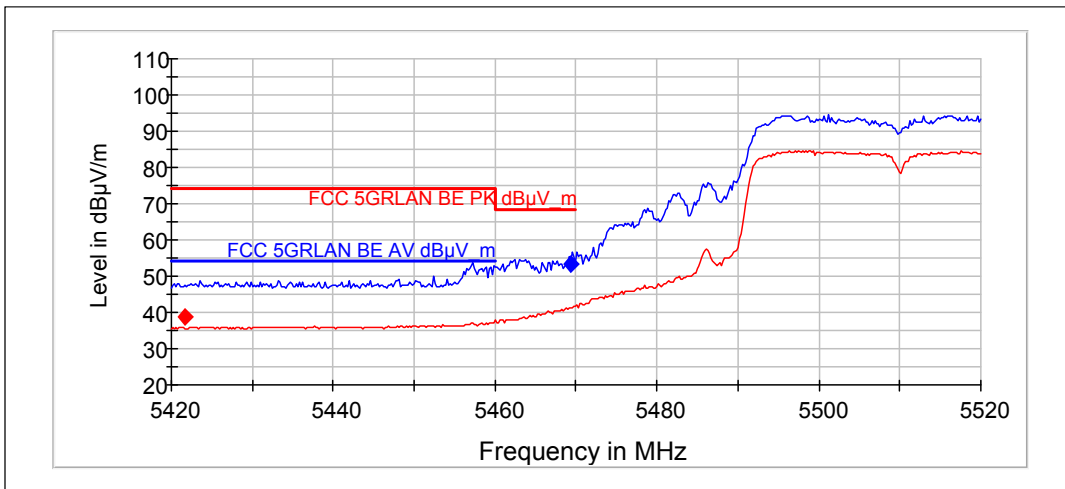
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5351.503	57.01	708.761	50.76	6.26	17	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5350.1	38.85	87.629	31.67	7.18	15.1	54	PASSED

Channel 100+104 / 5510MHz



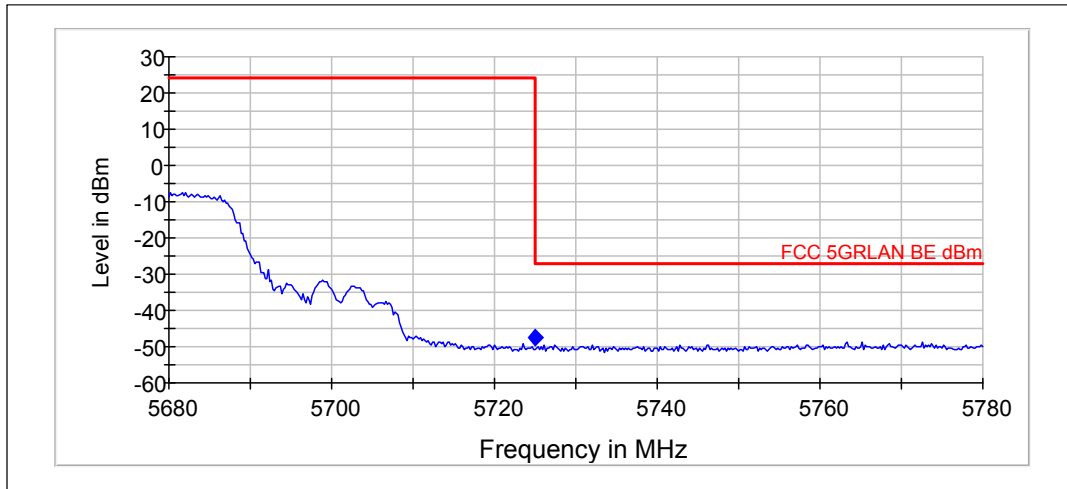
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5469.399	53.25	459.674	46.39	6.86	15	68	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5421.703	38.59	84.987	31.67	6.92	15.4	54	PASSED

Channel 132+136 / 5670MHz

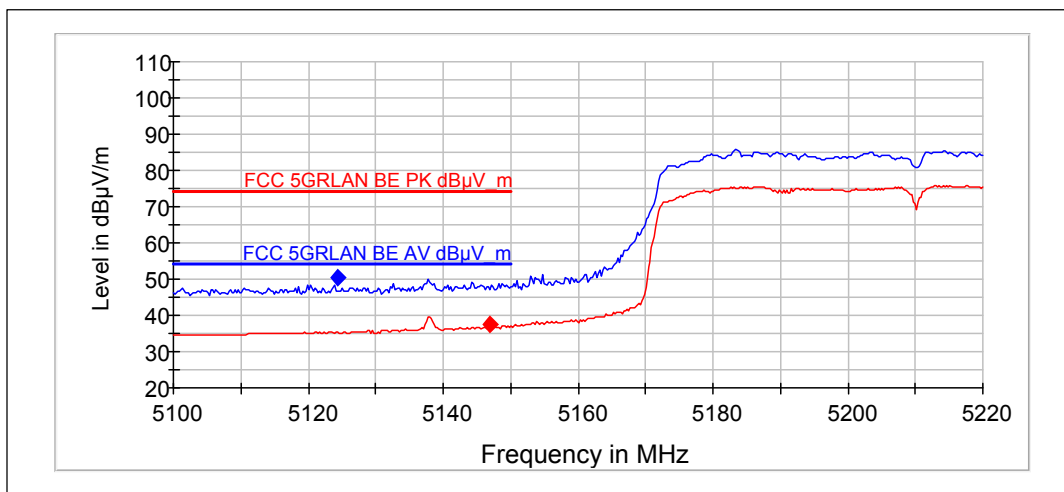


Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	P [dBm]	P [μ W]	P _{MEAS} [dBm]	A _{TOT} [dB]	Margin	Limit [dBm]	Results
5725.054	-47.48	0.01787	-63.33	15.85	20.5	-27	PASSED

4.3.5 802.11ac, BPSK modulation, MCS0: 29.3Mbps data rate, 80MHz BW.

Channel 36-48 / 5210MHz



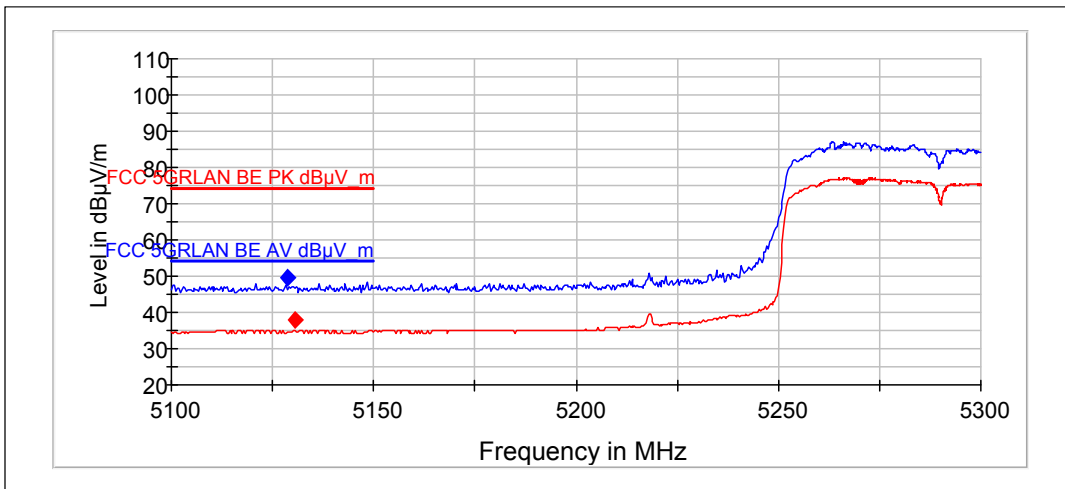
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5124.248	50.34	329.003	42.78	7.56	23.7	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5146.994	37.66	76.401	30.01	7.65	16.3	54	PASSED

Channel 52-64 / 5290MHz



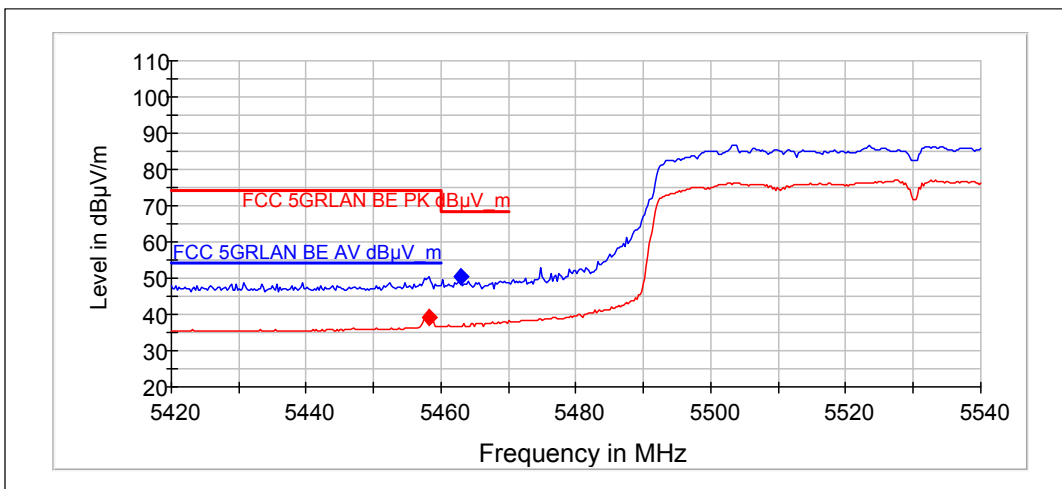
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5128.532	49.65	303.809	41.99	7.67	24.3	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5130.636	37.73	77.019	30.01	7.72	16.3	54	PASSED

Channel 100-112 / 5530MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

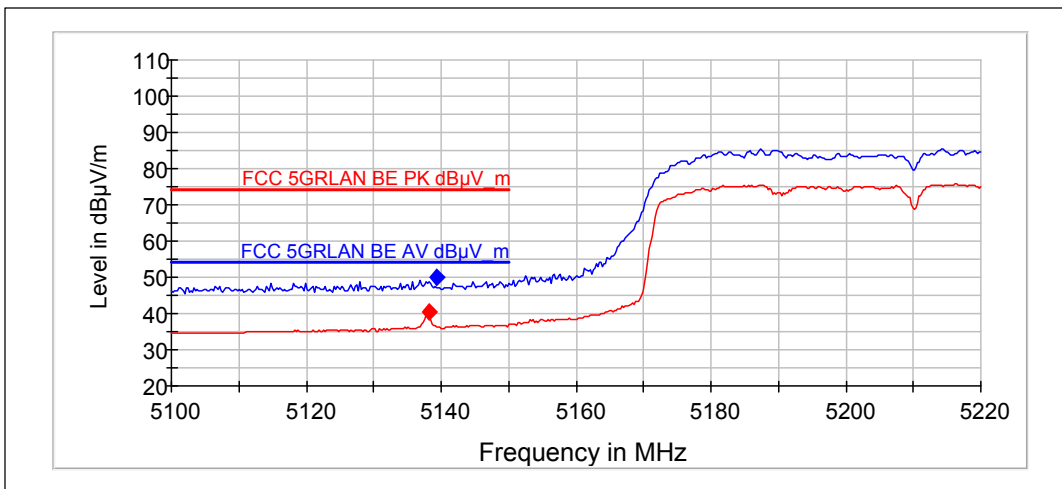
Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5462.886	50.24	325.162	43.4	6.84	18	68	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5458.277	39.22	91.432	32.39	6.83	14.8	54	PASSED

4.3.6 802.11ac, QPSK modulation, MCS1: 58.5 Mbps data rate, 80MHz BW.

Channel 36-48 / 5210MHz



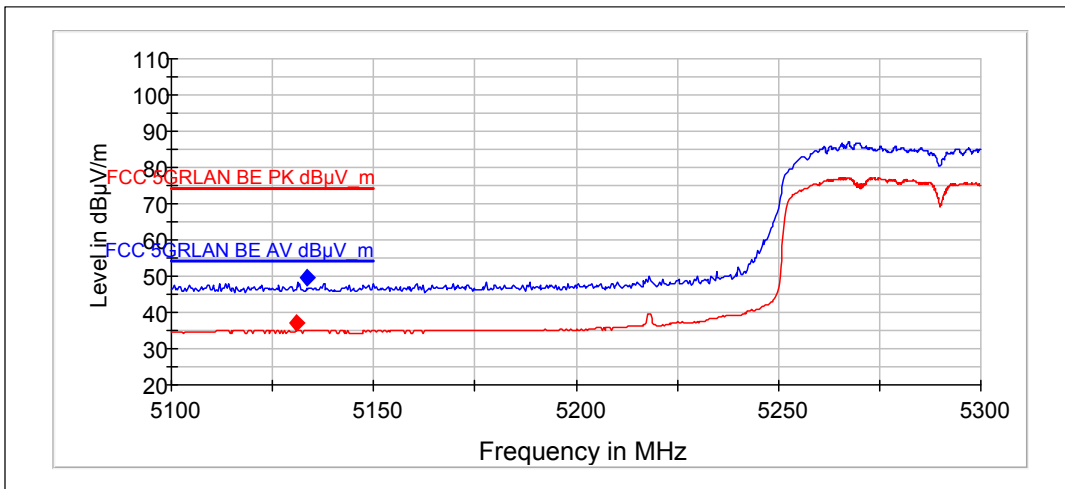
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5139.379	50.05	317.907	43.35	6.7	24	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5138.277	40.38	104.412	33.69	6.69	13.6	54	PASSED

Channel 52-64 / 5290MHz



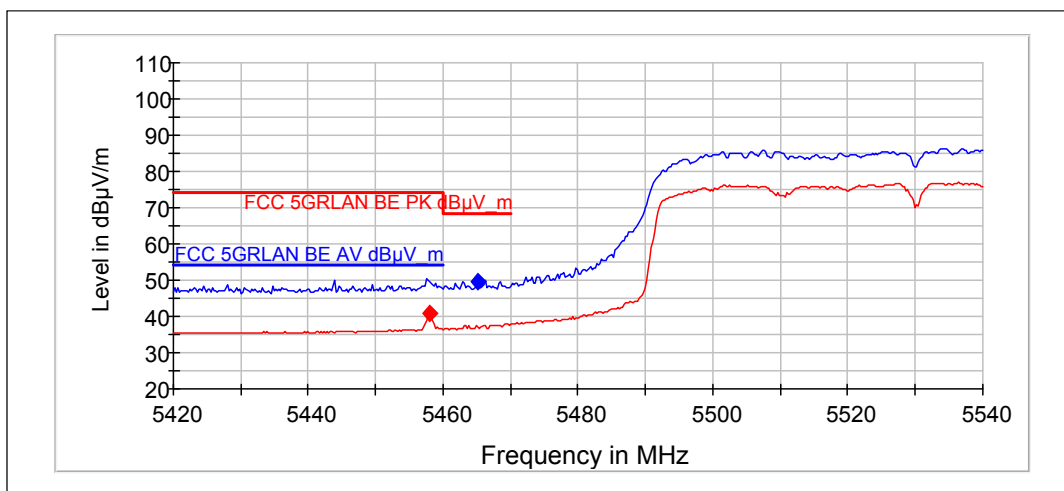
Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5133.692	49.76	307.716	42.19	7.57	24.2	74	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5130.987	37.25	72.82	29.55	7.71	16.8	54	PASSED

Channel 100-112 / 5530MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5465.19	49.53	299.537	42.68	6.85	18.7	68	PASSED

Average (RBW: 1 MHz, VBW: 3 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Margin	Limit [dBμV/m]	Results
5458.076	41.02	112.396	34.81	6.21	13	54	PASSED

