



Test Report No:
4552ERM.022

Partial Test report

**USA FCC Part 15.247, 15.407 15.209, 15.207
CANADA RSS-247, RSS-Gen**

(*) Identification of item tested	Display Audio Infotainment Unit
(*) Trademark	Visteon
(*) Model and /or type reference	VW REGIO FLOAT
Other identification of the product	FCC ID: NT8-VWREGIOFLOAT IC: 3043A-VWREGIOFLOAT HVIN: H04.1 FVIN: 0850
(*) Features	a. USB 3.0 / USB Video, USB Video, USB Hub b. Bluetooth EDR 2.4GHz, Version 4.2 c. Audio BT streaming music, control and browsing d. Wireless 2.4GHz and 5GHz bands e. GNSS Receiver - GPS f. AM/FM single tuner, seek, scan and manual tuning g. Smartphone integration (Apple Car Play and Android Auto), Capability to run local APPs, e-Call
Manufacturer	VISTEON CORPORATION One Village Center Drive, Van Buren Township, MI 48111, USA
Test method requested, standard	USA FCC Part 15.247 (06-01-20): Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz USA FCC Part 15.407 (03-08-24): Unlicensed National Information Infrastructure Devices. General technical requirements. USA FCC Part 15.209 (06-28-21): Radiated emission limits; general requirements. CANADA RSS-247 Issue 3 (August 2023). CANADA RSS-Gen Issue 5 amendment 1 (March 2019). 558074 D01 15.247 Meas Guidance v05r02. Guidance for Compliance Measurements on Digital Transmission Systems, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under section §15.247 of the FCC Rules ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.
Summary	IN COMPLIANCE
Approved by (name / position & signature)	Domingo Galvez EMC&RF Lab Manager
Date of issue	11-20-2024
Report template No	FDT08_23 (*) "Data provided by the client"

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Acronyms

Acronym ID	Acronym Description
# of Tx Chains	Number of Transmission Chains
BEL	Band Edge Left
BER	Band Edge Right
DC	Duty Cycle
Freq	Frequency
Freq Rng	Frequency Range
Lvl Meas Pk	Level Pre Measurement Peak
MP	Measurement Point
MU	Medium Utilization Factor
Max EIRP	Maximum Burst EIRP
Max RMS	Maximum Burst RMS
Max Tx Seq	Maximum Transmission Sequence Time
Min Tx Gap	Minimum Transmission Gap Time
Mod	Modulation
Occ Ch BW	Occupied Channel Bandwidth
PSD	Power Spectrum Density
Port	Active Port
T	Temperature
Unwanted Freq	Unwanted Emissions Frequency
Unwanted Lvl	Unwanted Emissions Level

Competences and guarantees

DEKRA Certification Inc. is a testing laboratory accredited by A2LA (The American Association for Laboratory Accreditation), to perform the tests indicated in the **Certificate 2764.01** and **CAB ID US0215**.

DEKRA Certification Inc. is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA Certification Inc. has a calibration and maintenance program for its measurement equipment.

DEKRA Certification Inc. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Certification at the time of performance of the test.

DEKRA Certification Inc. is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. This report is only referred to the item that has undergone the test.
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4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Certification Inc. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the DEKRA Certification internal document PODT000.

Test case	Frequency (MHz)	U ($k=2$)	Units
Radiated Spurious Emission	30-180	4.27	dB
	180-1000	3.14	dB
	1000-18000	3.30	dB
	18000-40000	3.49	dB

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested").
2. The sample consists of a Display Audio Infotainment Unit. Display audio Infotainment Unit with capacitive touch screen with the following functionalities: a. USB 3.0 / USB Video, USB Video, USB Hub b. Bluetooth EDR 2.4GHz, Version 4.2 c. Audio BT streaming music, control and browsing d. Wireless 2.4GHz and 5GHz bands e. GNSS Receiver - GPS f. AM/FM single tuner, seek, scan and manual tuning g. Smartphone integration (Apple Car Play and Android Auto), Capability to run local APPs, e-Call.

DEKRA declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Usage of samples

Samples undergoing test have been selected by: **The client.**

Sample S/01 is composed of the following elements, accessories and auxiliary equipment:

Id	Control Number	Description	Manufacturer / Model	Serial N°	Date of Reception	Application
S/01	4552/09	Volkswagen Infotainment 10" Unit	Visteon / VW MIB FLOAT	VWZ7Z2C9134311	2024-09-30	Element Under Test
S/01	2501/18	Harness	Visteon	-	2020-02-24	Accessory
S/01	2501/36	Fakra to USB -Type A (Female) Cable	-	-	2020-02-24	Accessory

1. Sample S/01 was used for the test(s): All Radiated test(S) indicated in appendix A.

Test sample description

Test Sample description (compulsory information for EMC and RF testing services).

Ports..... :	Port name and description	Cable										
		Specified max length [m]	Attached during test	Shielded	Coupled to patient ⁽³⁾							
	AM/FM Antenna connector (FAKRA)	1.5	[]	[]	[]							
	GPS Antenna connector (FAKRA)	1.0	[]	[]	[]							
	USB Video Port	0.1	[]	[]	[]							
	USB 3.0	0.1	[]	[]	[]							
	Main connector	-	[]	[]	[]							
	-	-	[]	[]	[]							
Supplementary information to the ports..... :	No Data Provided											
Rated power supply :	Voltage and Frequency		Reference poles									
			L1	L2	L3	N	PE					
	[]	AC:	[]	[]	[]	[]	[]					
	[]	AC:	[]	[]	[]	[]	[]					
	[]	DC:										
	[X]	DC: 12V, 12A (vehicle battery)										
Rated Power..... :	sleep current: 350uA +-30uA; current in normal mode: 10A											
Clock frequencies..... :	LVDS/TFT:76.8MHz / LPDDR4: 1.333GHz eMMC: 197MHz											
Other parameters..... :	No Data Provided											
Software version..... :	0850											
Hardware version..... :	H04.1											
Dimensions in cm (W x H x D)..... :	153.5x146.3x275.4 mm											
Mounting position..... :	[]	Table top equipment										
	[]	Wall/Ceiling mounted equipment										
	[]	Floor standing equipment										
	[]	Hand-held equipment										
	[X]	Other: Built into vehicle										
Modules/parts..... :	Module/parts of test item			Type		Manufacturer						
	No Data Provided											
Accessories (not part of the test item)..... :	Description			Type		Manufacturer						
	AM/FM/GPS Antenna											
	SMA Connector											
	USB Cable											
	Harness											

Documents as provided by the applicant :	Description	File name	Issue date
	Test instructions		
	Technical Files		
	DUT Manual		
	FDT30_18 Declaration Equipment Data - R1 (1)		11/13/2024

Marking Label

Visteon®

VW REGIO FLOAT

- DISPLAY AUDIO INFOTAINMENT UNIT

IFT:XXXXXXX-XXXX

Marca:Visteon

Modelo(s):VW REGIO FLOAT

DISPLAY AUDIO INFOTAINMENT UNIT

TP

BY

ANATEL

Agência Nacional de Telecomunicações

XXXXX-XX-XXXXX

NOM

NYCE

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission

RI

X-XXXXX

MADE IN BRAZIL

12V = 12A

FCC ID:NT8-VWREGIOFLOAT

IC: 3043A-VWREGIOFLOAT

HVIN:H04.1

E24

XXXX XXXX

Bluetooth

CE

CONATEL

NR: XXXX-XX-X-XXXX

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário

PRODUCT COMPLIES WITH DHHS RULES "21 CHAPTER CFR1, SUBCHAPTER J" APPLICABLE AT DATE OF MANUFACTURE.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference;

(2) this device must accept any interference received, including interference that may cause undesired operation.

Identification of the client

VISTEON CORPORATION
One Village Center Drive,
Van Buren Township, MI 48111,
USA

Testing period and place

Test Location	DEKRA Certification Inc.
Date (start)	11-05-2024
Date (finish)	11-07-2024

Document history

Report number	Date	Description
4552ERM.022	11-20-2024	First release

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 75 %

In the semi anechoic chamber, the following limits were not exceeded during the test.

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 75 %

In the chamber for conducted measurements, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 75 %

Remarks and comments

The tests have been performed by the technical personnel: Fahim Tahiree, Madhava Gooduru and Koji Nishimoto.

List of equipment used during the test

Radiated Measurements

CONTROL NUMBER	DESCRIPTION	Serial No	LAST CALIBRATION	NEXT CALIBRATION
878	Power supply (AMETEK / PROG-DC-PS)	1707A01783	N/A	N/A
1012	ESR26 EMI Test Receiver	101478	2023-01-18	2025-01-18
1014	FSV40 Signal Analyzer 40GHz	101626	2024-10-04	2026-10-04
1055	3116C Double-Ridged Waveguide Horn Antenna	211394	2023-02-06	2026-02-06
1057	3115 Double-Ridged Waveguide Horn Antenna	211373	2023-07-18	2026-07-18
1064	3142E Biconilog antenna	208587	2021-12-13	2024-12-13
1108	Ethernet SNMP Thermometer-SAC	60038026954	2024-10-18	2025-10-18
1111	Ethernet SNMP Thermometer	60038026577	2024-10-18	2025-10-18
1179	Semi-Anechoic Chamber	F169021	N/A	N/A
1314	Wireless Measurement Software R&S Emc32	1040-OT102236	N/A	N/A

Testing verdicts

Fail	F
Not applicable	N/A
Not measured	N/M
Pass	P

Summary

FCC PART 15 PARAGRAPH / RSS-247 (Bluetooth BR/EDR)					
Report Section	15.247 Spec Clause	RSS Spec Clause	Test Description	Verdict	Remark
-	§ 2.1049 & § 15.247 (a) (1)	RSS-247 5.1 (b)	20dB Emission Bandwidth, Occupied Bandwidth & Carrier Frequency Separation	N/M	Refer 1
-	§ 15.247 (a) (1) (iii)	RSS-247 5.1 (d)	Number of hopping channels	N/M	Refer 1
-	§ 15.247 (a) (1) (iii)	RSS-247 5.1 (d)	Time of Occupancy (Dwell Time)	N/M	Refer 1
-	§ 15.247 (b) (3)	RSS-247 5.4 (b)	Maximum peak conducted output power and antenna gain	N/M	Refer 1
-	§ 15.247 (d)	RSS-247 5.5	Band-edge conducted emissions compliance (Transmitter)	N/M	Refer 1
-	§ 15.247 (d)	RSS-247 5.5	Emission limitations Conducted (Transmitter)	N/M	Refer 1
A.1	§ 15.247 (d)	RSS-247 5.5	Emission limitations Radiated (Transmitter)	P	N/A
Supplementary information and remarks:					
1) Please refer to the test report 4552ERM.019					

FCC PART 15 PARAGRAPH (Wi-Fi 2.4GHz)					
Report Section	15.247 Spec Clause	RSS Spec Clause	Test Description	Verdict	Remark
-	§ 2.1049 & §15.247 (a) (2)	RSS-247 5.2 (a)	99% Occupied Bandwidth & 6dB Bandwidth	N/M	Refer 1
-	§ 15.247 (b)	RSS-247 5.4 (d)	Maximum Output Power and antenna gain	N/M	Refer 1
-	§ 15.247 (d)	RSS-247 5.5	Band-edge conducted emissions compliance (Transmitter)	N/M	Refer 1
-	§ 15.247 (e)	RSS-247 5.2 (b)	Power Spectral Density	N/M	Refer 1
-	§15.247(d)	RSS-247 5.5	Emission limitations Conducted (Transmitter)	N/M	Refer 1
A.1	§15.247 (d)	RSS-247 5.5	Emission limitations Radiated (Transmitter)	P	N/A
Supplementary information and remarks:					
1) Please refer to the test report 4552ERM.019					

FCC PART 15 PARAGRAPH / RSS-247 (Wi-Fi 5GHz)					
Report Section	15.407 Spec Clause	RSS Spec Clause	Test Description	Verdict	Remark
	§ 15.403 KDB 789033 D02	RSS 247 6.2.4	26dB Emission Bandwidth & Occupied Bandwidth	N/M	Refer 1
	§ 15.407 (e)	RSS 247 6.2.4.1	6dB Bandwidth	N/M	Refer 1
	§ 15.407 (a)(3)	RSS 247 6.2.4.1	Power Limits. Maximum Output Power	N/M	Refer 1
	§ 15.407 (a)(3)	RSS-247 6.2.4.1	Maximum Power Spectral Density	N/M	Refer 1
	§ 15.407 (b)(4)	RSS-247 6.2.4.2	Band-edge conducted emissions compliance (Transmitter)	N/M	Refer 1
	§ 15.407 (b)(6) § 15.207	RSS-Gen 8.8	Emission limitations Conducted (Transmitter)	N/M	Refer 1
A.1	§ 15.407 (b)(4),(7) § 15.209 § 15.205	RSS-247 6.2.4.2 RSS-Gen 8.9 & 8.10	Undesirable radiated emissions (Transmitter)	P	N/A
	§ 15.407 (g)	RSS-Gen 6.11 & 8.11	Frequency Stability	N/M	Refer 1
Supplementary information and remarks:					
1) Please refer to the test report 4552ERM.021					

Appendix A: Test results (Multi-transmitter)

Appendix A Content

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PRODUCT INFORMATION

The following information is provided by the supplier:

Information	Description
Modulation	BR/EDR: GFSK, $\pi/4$ -DQPSK, 8-DPSK Wi-Fi 2.4 GHz: DSSS, OFDM Wi-Fi 5 GHz: OFDM
Operation mode 1: Single Antenna Equipment	
- Operating Frequency Range	BR/EDR: 2402 - 2480 MHz Wi-Fi 2.4 GHz: 2.402 - 2.480 GHz Wi-Fi 5 GHz: 5.150 - 5.825 GHz
- Nominal Channel Bandwidth	BR/EDR: 1 MHz Wi-Fi 2.4 GHz: 20MHz, 40MHz Wi-Fi 5GHz: 20MHz, 40MHz
- RF Output Power	BR/EDR: 5.4 dBm Wi-Fi 2.4 GHz b/g: 14 dBm e.i.r.p. n20: 8 dBm e.i.r.p. n40: 6 dBm e.i.r.p. Wi-Fi 5 GHz: a mode: 18 dBm e.i.r.p. n20 mode: 13 dBm e.i.r.p. n40 mode: 12 dBm e.i.r.p.
Antenna type	Internal Antenna
Antenna gain	BR/EDR: -4.0 dBi Wi-Fi 2.4 GHz: -4.0 dBi Wi-Fi 5 GHz: 0.0 dBi
Nominal Voltage	
- Supply Voltage	12 Vdc
- Type of power source	DC voltage
Equipment type	Bluetooth, Wi-Fi 2.4 GHz, and Wi-Fi 5 GHz

TEST CONDITIONS

(*): Data provided by the client.

TEST CONDITIONS	DESCRIPTION															
TC/01 ⁽¹⁾	<u>Power supply (V):</u> DC 12 Vdc															
	<u>Test Frequencies for Radiated tests:</u>															
	<table><tr><th>Technology</th><th>Tested Frequency</th><th>BW (MHz)</th><th>Modulation</th><th>Mode</th></tr><tr><td>Bluetooth</td><td>2480</td><td>1</td><td>FHSS</td><td>GFSK</td></tr><tr><td>Wi-Fi 2.4 GHz SISO</td><td>2442</td><td>20</td><td>OFDM</td><td>b mode</td></tr></table>	Technology	Tested Frequency	BW (MHz)	Modulation	Mode	Bluetooth	2480	1	FHSS	GFSK	Wi-Fi 2.4 GHz SISO	2442	20	OFDM	b mode
	Technology	Tested Frequency	BW (MHz)	Modulation	Mode											
	Bluetooth	2480	1	FHSS	GFSK											
Wi-Fi 2.4 GHz SISO	2442	20	OFDM	b mode												
The test was performed with the equipment transmitting with Bluetooth and Wi-Fi 2.4GHz radios simultaneously. These measurements have been performed in order to check the impact of the multi-transmitter of all radio interfaces that can be transmitting simultaneously.																
TC/02 ⁽¹⁾	<u>Power supply (V):</u> DC 12 Vdc															
	<u>Test Frequencies for Radiated tests:</u>															
	<table><tr><th>Technology</th><th>Tested Frequency</th><th>BW (MHz)</th><th>Modulation</th><th>Mode</th></tr><tr><td>Bluetooth</td><td>2480</td><td>1</td><td>FHSS</td><td>GFSK</td></tr><tr><td>Wi-Fi 5 GHz SISO</td><td>5745</td><td>20</td><td>OFDM</td><td>a mode</td></tr></table>	Technology	Tested Frequency	BW (MHz)	Modulation	Mode	Bluetooth	2480	1	FHSS	GFSK	Wi-Fi 5 GHz SISO	5745	20	OFDM	a mode
	Technology	Tested Frequency	BW (MHz)	Modulation	Mode											
	Bluetooth	2480	1	FHSS	GFSK											
Wi-Fi 5 GHz SISO	5745	20	OFDM	a mode												
The test was performed with the equipment transmitting with Bluetooth and Wi-Fi 5GHz radios simultaneously. These measurements have been performed in order to check the impact of the multi-transmitter of all radio interfaces that can be transmitting simultaneously.																

Note (1): Preliminary scan was performed to determine the worst case and the following tables and plots show the results for the worst case in BT + Wi-Fi 2.4 GHz + Wi-Fi 5 GHz.

TEST A.1: EMISSION LIMITATIONS RADIATED (TRANSMITTER)

LIMITS:	Product standard:	Part 15 Subpart C §15.247, 15.407, Part 15.31(h), and RSS-247
	Test standard:	Part 15 Subpart C §15.247 (d), 15.407 (b), and RSS-Gen 8.9 and 8.10

LIMITS

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) / RSS-Gen):

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/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
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

TEST SETUP

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at 3 m for the frequency range 30-1000 MHz (Bilog antenna) and 1-18 GHz (Double ridge horn antenna), and 1m for the frequency range 18 GHz- 40 GHz (Double ridge horn antenna).

For radiated emissions in the range 18 - 40 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

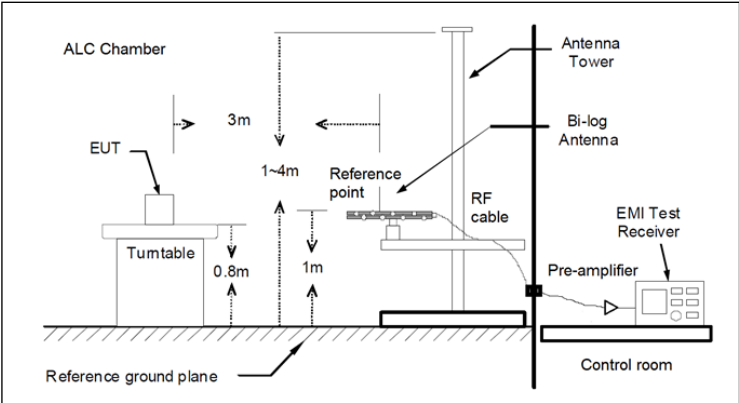
The equipment under test was set up on a non-conductive platform above the ground plane and the situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

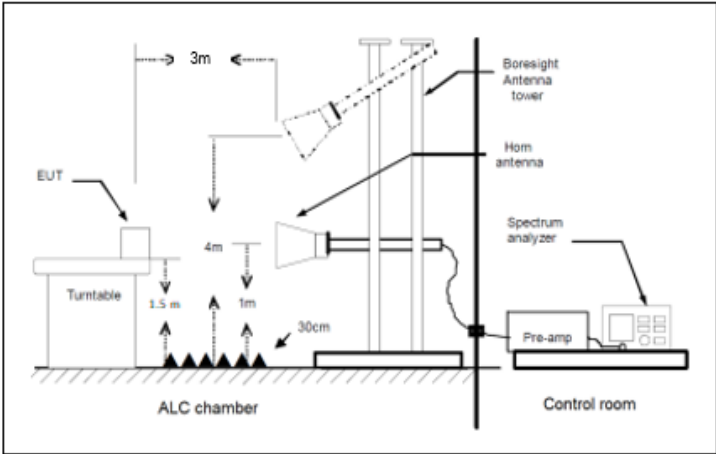
The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

TEST SETUP (CONT.)

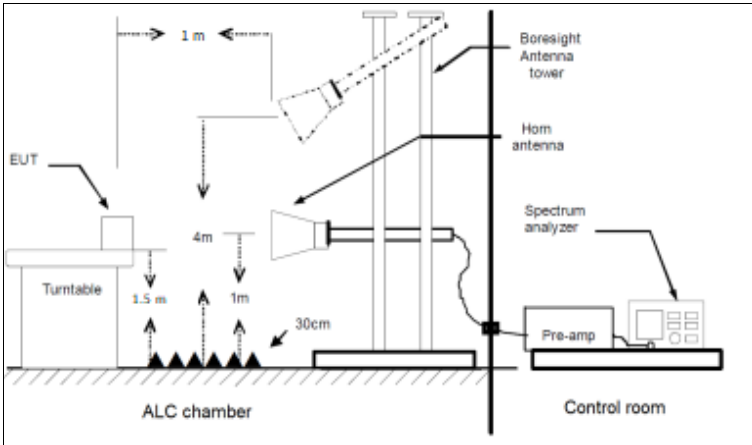
Radiated measurements Setup $f < 1\text{ GHz}$



Radiated measurements setup $f > 1\text{--}18\text{ GHz}$



Radiated measurements setup $f > 18\text{ GHz}$

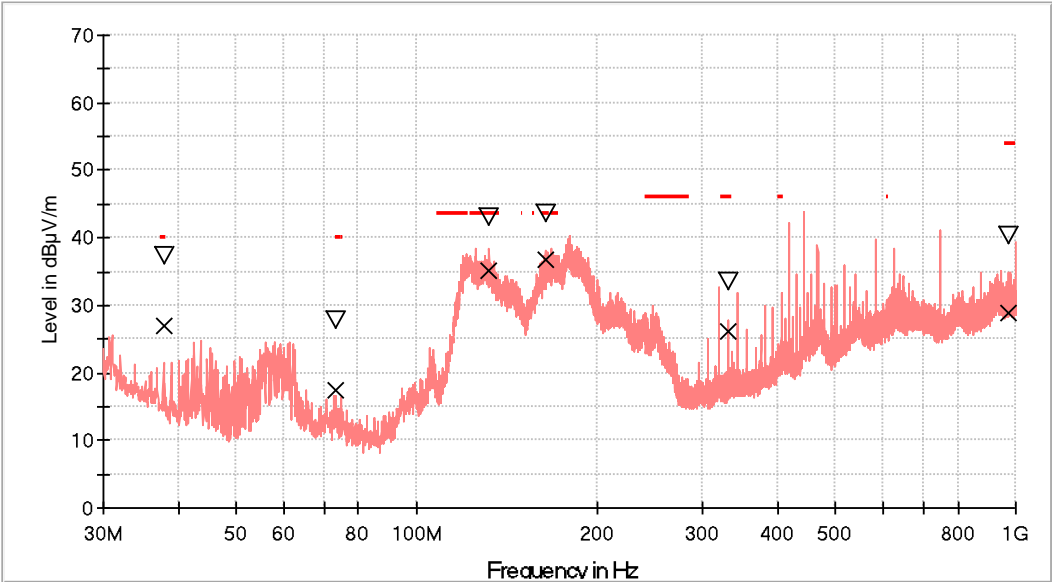


TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC/01
TEST RESULTS :	30-1000 MHz
VERDICT:	PASS

Frequency range 30 MHz – 1000 MHz

The spurious emissions below 1 GHz do not depend on the operating channel and mode selected in the EUT.

RF_FCC_15.247_E Field_30MHz_1GHz_SAC2

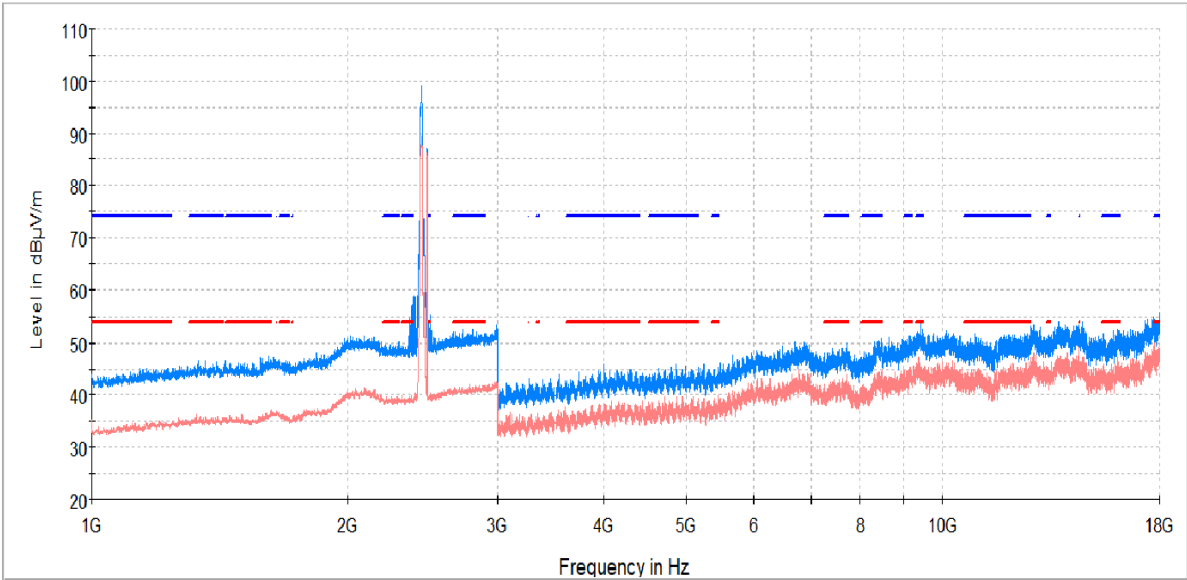


- PK+_MAXH
- TX limits to Spurious Emission FCC15.247 (30MHz to 1GHz) Restricted Bands QPK Limit
- ▽ MaxPeak-PK+ (Single)
- x QuasiPeak-QPK (Single)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Pol	Margin - QPK (dB)	Limit - QPK (dBµV/m)
37.808500	37.3	26.9	V	13.1	40.0
73.359000	27.9	17.5	V	22.5	40.0
132.286500	42.9	35.3	V	8.3	43.5
163.666000	43.5	36.7	V	6.9	43.5
331.767000	33.5	26.2	V	19.8	46.0
968.814500	40.3	28.9	V	25.1	54.0

TEST RESULTS (Cont.):

1-18 GHz

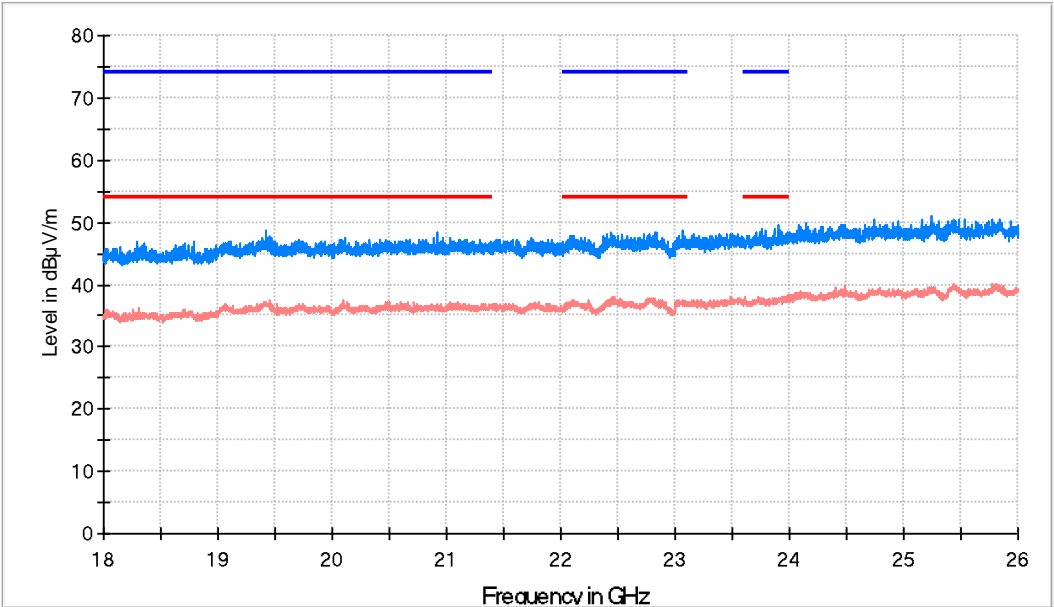


PK+_MAXH TX limits to Spurious Emission FCC15.247 Restricted Bands PK Limit
AVG_MAXH TX limits to Spurious Emission FCC15.247(1-26G) Restricted Bands AVG

Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	PoI	Margin - AVG (dB)	Limit - AVG (dBµV/m)	Comment
2444.000000	97.3	89.5	V	---	---	Fundamental Wi-Fi
2480.000000	87.0	86.3	V	---	---	Fundamental BT
9379.500000	50.8	47.3	V	6.7	54.0	

TEST RESULTS (Cont.):

18-40 GHz

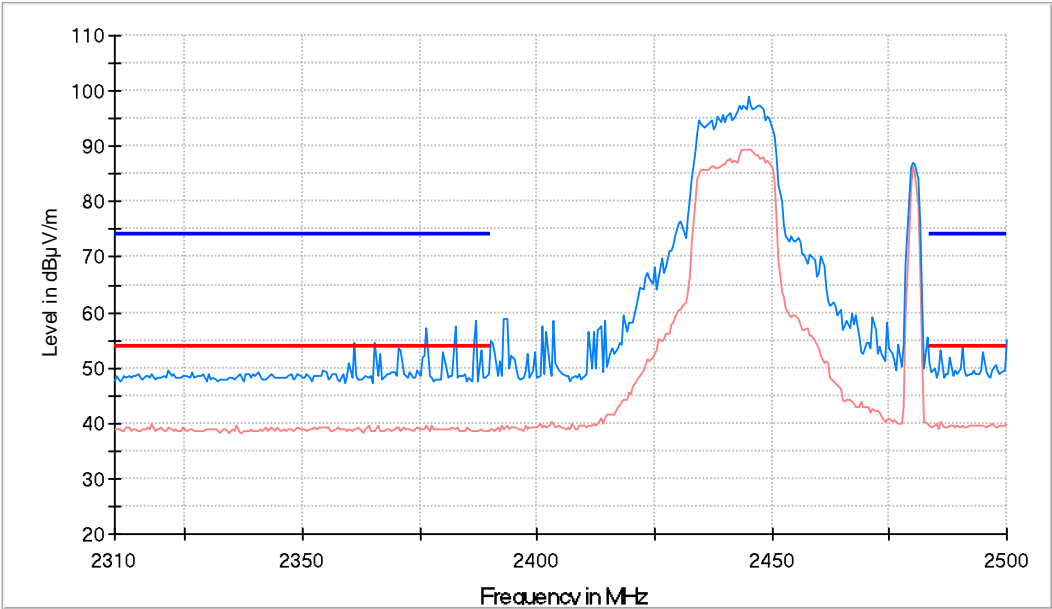


— AVG_MAXH
— PK+_MAXH
— TXlimits to Spurious Emission FCC15.247 Restricted Bands PK Limit
— TXlimits to Spurious Emission FCC15.247(1-26G) Restricted Bands AVG Limit

Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)
20094.125000	45.5	37.6	H	16.4	54.0
22824.875000	47.1	37.9	V	16.1	54.0

TEST RESULTS (Cont.):

Restricted Bands (2.31 GHz – 2.5 GHz)



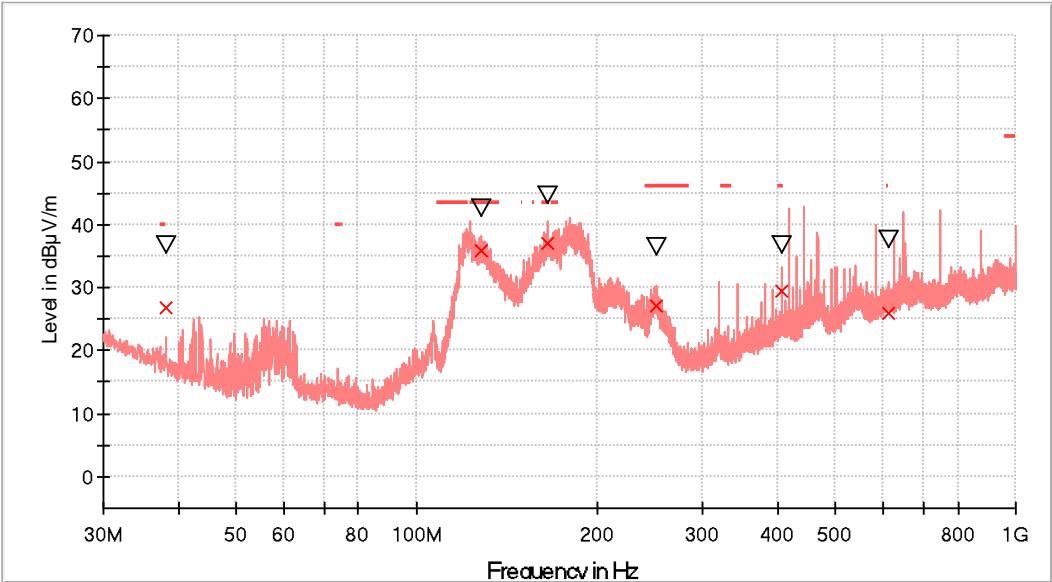
- AVG_MAXH
- PK+_MAXH
- TXlimits to Spurious Emission FCC15.247(1-26G) Restricted Bands AVG Limit
- TXlimits to Spurious Emission FCC15.247 Restricted Bands PK Limit

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC/02
TEST RESULTS :	30-1000 MHz
VERDICT:	PASS

Frequency range 30 MHz – 1000 MHz

The spurious emissions below 1 GHz do not depend on the operating channel and mode selected in the EUT.

RF_FCC_15.407_E Field_30MHz_1GHz(SAC2)

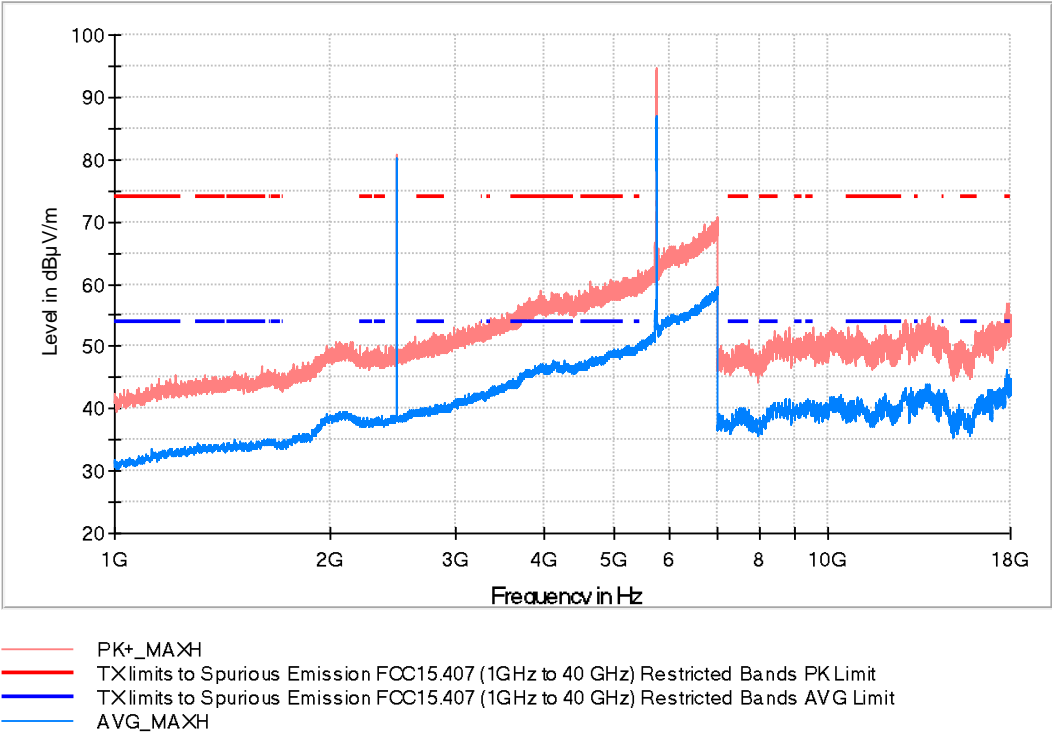


- PK+_MAXH
- TX limits to Spurious Emission FCC15.407 (30MHz to 1GHz) Restricted Bands QPK Limit
- ▽ MaxPeak-PK+ (Single)
- × QuasiPeak-QPK (Single)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Pol	Margin - QPK (dB)	Limit - QPK (dBµV/m)
38.148000	36.6	26.7	V	13.3	40.0
128.115500	42.7	36.0	V	7.6	43.5
165.654500	44.5	37.0	V	6.5	43.5
250.578000	36.4	27.0	V	19.0	46.0
405.535500	36.7	29.4	V	16.6	46.0
612.436500	37.6	25.9	V	20.1	46.0

TEST RESULTS (Cont.):

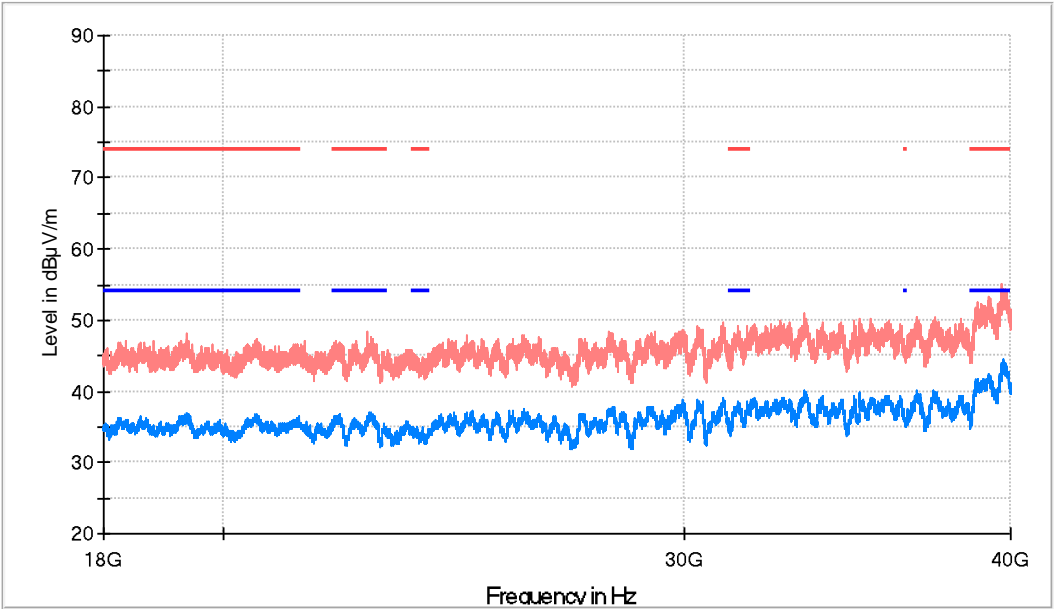
1-18 GHz



Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)	Comment
2479.818182	80.8	80.2	V	---	---	Fundamental BT
5744.090909	92.3	87.0	V	---	---	Fundamental Wi-Fi
11996.000000	52.6	42.2	V	11.8	54.0	

TEST RESULTS (Cont.):

18-40 GHz

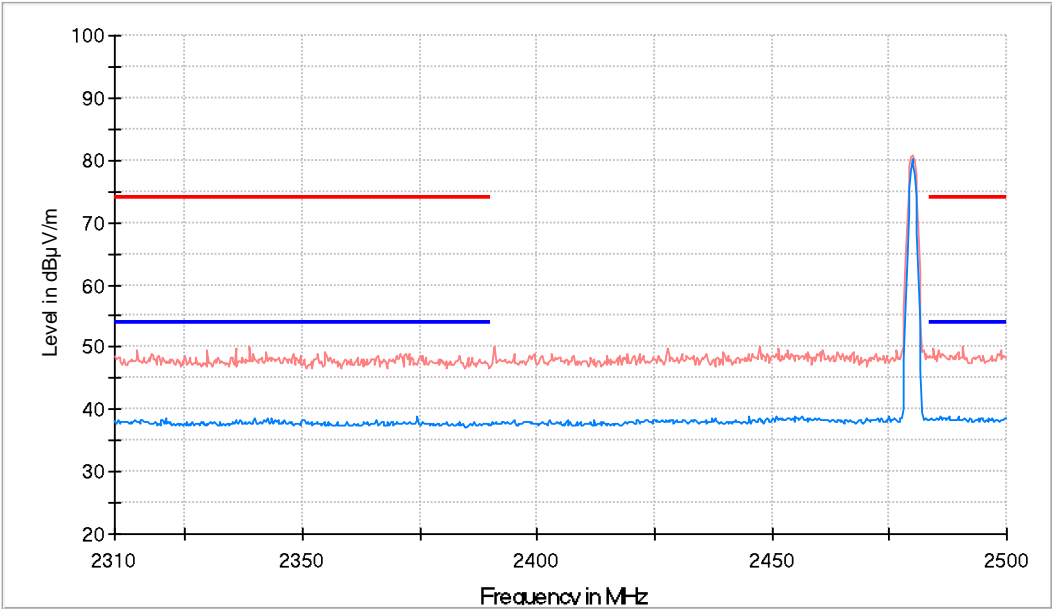


— AVG_MAXH
— PK+_MAXH
— TXlimits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
— TXlimits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit

Frequency (MHz)	PK+_MAXH (dBµV/m)	AVG_MAXH (dBµV/m)	Pol	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19368.125000	45.6	37.1	H	16.9	54.0
31719.062500	47.2	38.7	H	15.3	54.0
39712.625000	53.6	44.5	H	9.5	54.0

TEST RESULTS (Cont.):

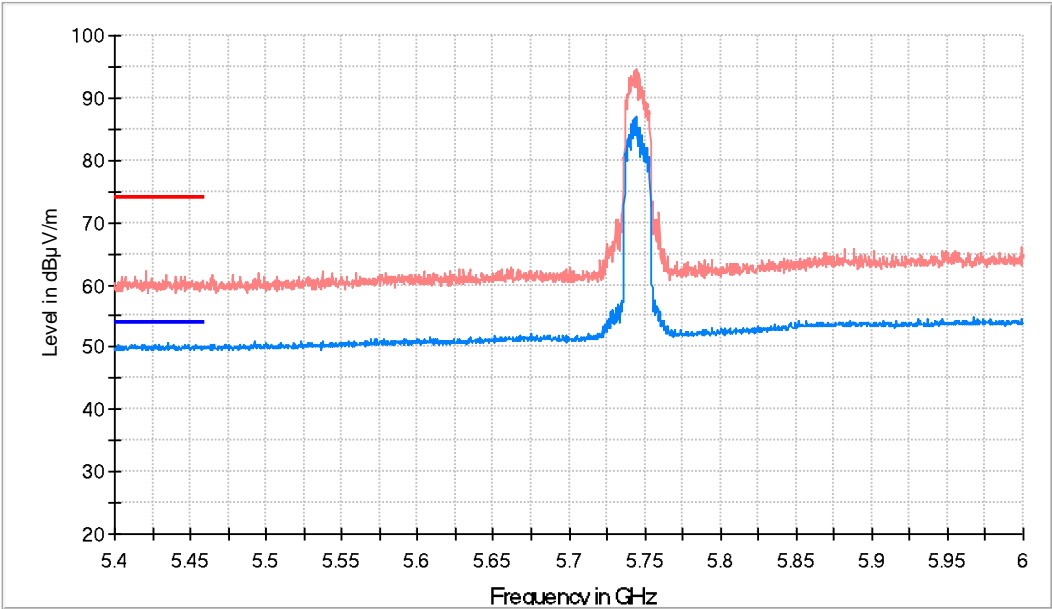
Restricted Bands (2.31 GHz – 2.5 GHz)



- PK+_MAXH
- TXlimits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
- TXlimits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit
- AVG_MAXH

TEST RESULTS (Cont.):

Restricted Bands (5.35 GHz – 5.60 GHz)



- PK+_MAXH
- TXlimits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands PK Limit
- TXlimits to Spurious Emission FCC15.407 (1GHz to 40 GHz) Restricted Bands AVG Limit
- AVG_MAXH