Annex 1: Measurement diagrams to
T E S T R E P O R T
No.: 16-1-0188601T09a

According to:

FCC Regulations
Part 15.205
Part 15.209
Part 15.407

for

Intel Corporation

VLMRX58G Video Link Module RX 5.8GHz
+
Intel FA5 Antenna TX Port 3

FCC-ID: 2AJ2A-VLMRX58G

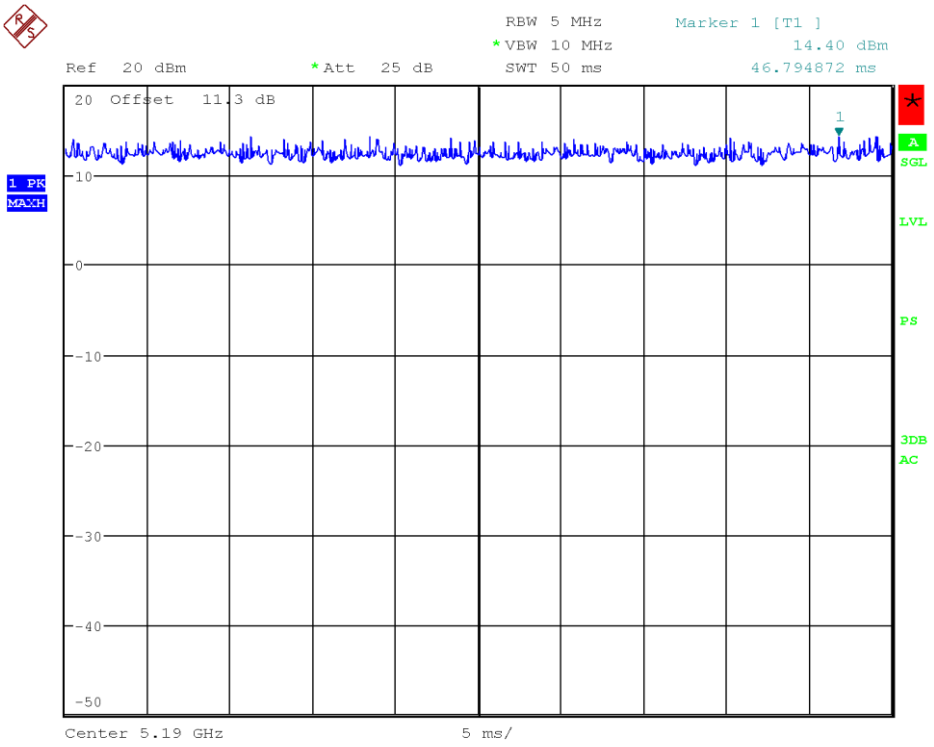
Laboratory Accreditation and Listings			
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	MRA US-EU 0003	Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	ctia Authorized™ Test Lab Lab Code: 20011130-00		
accredited according to DIN EN ISO/IEC 17025			

CETECOM GmbH
Laboratory Radio Communications & Electromagnetic Compatibility
Im Teelbruch 116 • 45219 Essen • Germany
Registered in Essen, Germany, Reg. No.: HRB Essen 8984
Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964
E-mail: info@cetecom.com • Internet: www.cetecom.com

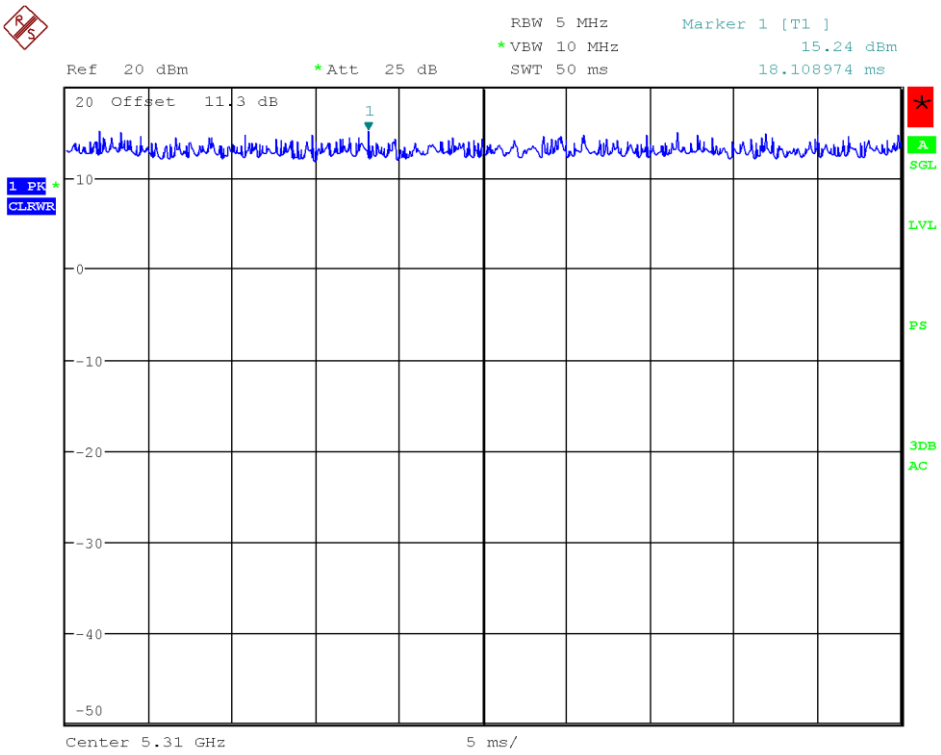
TABLE OF CONTENTS:

1. Conducted RF-Measurements –TX Port

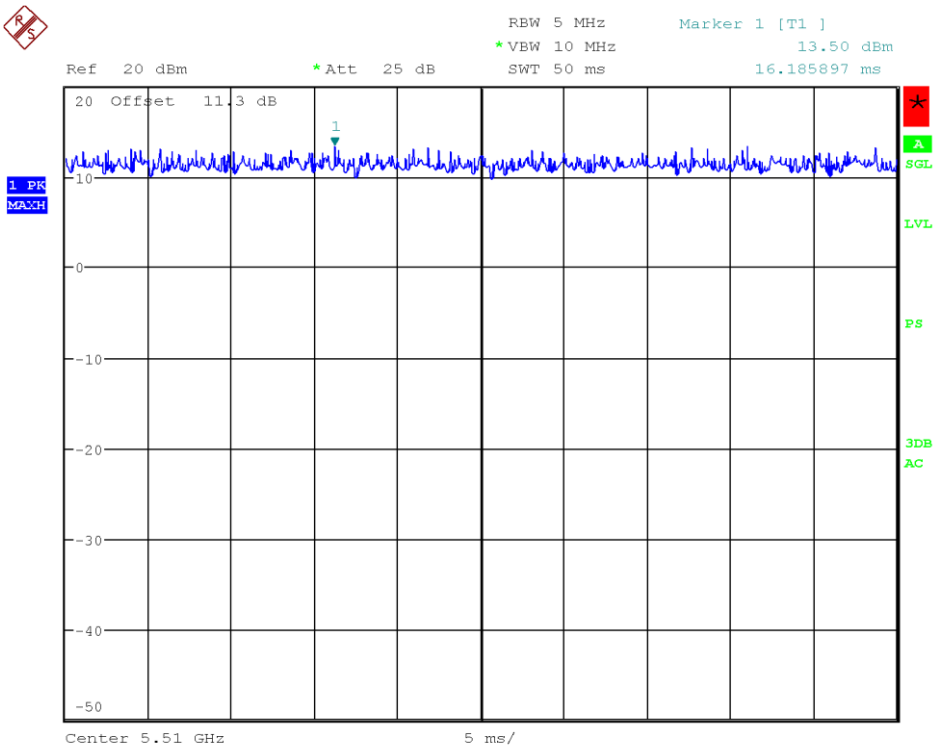
1.1. Duty-Cycle Measurements



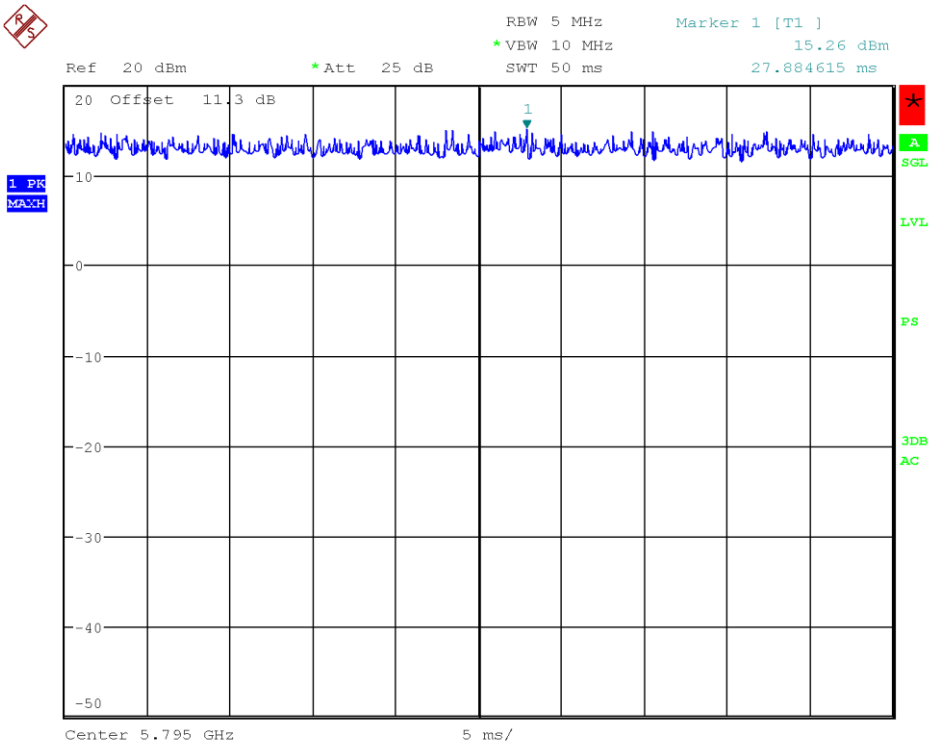
Plot 1: U-NII-1 Band-B.W. 40 MHz-Ch 5190 MHz



Plot 2: U-NII-2A Band-B.W. 40MHz-Ch 5310 MHz



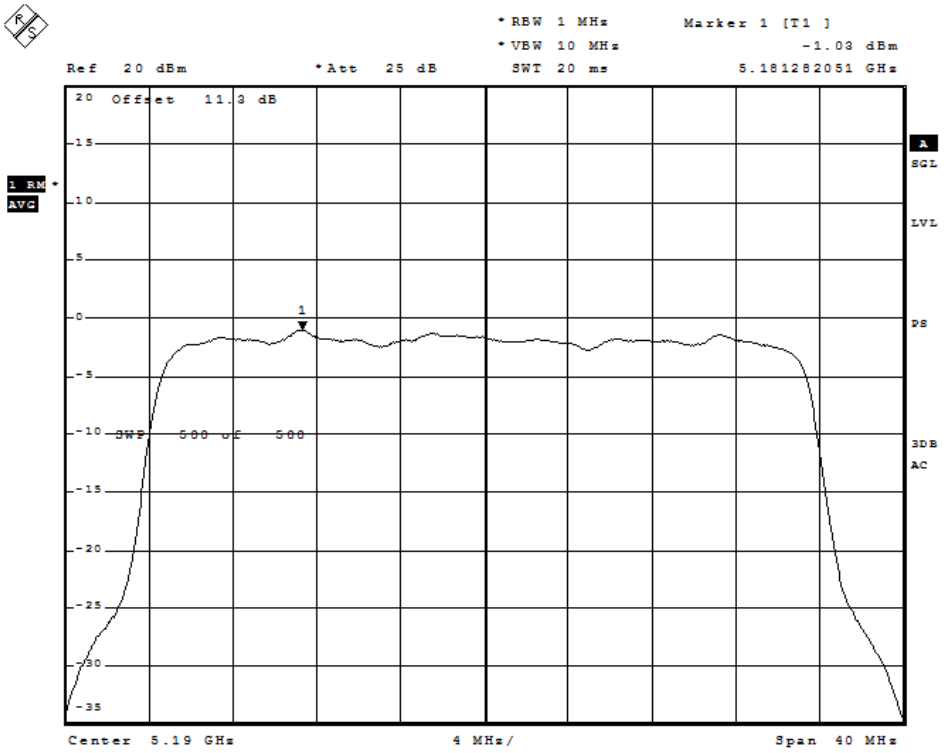
Plot 3: U-NII-2C Band-B.W. 40 MHz-Ch 5510 MHz



Plot 4: U-NII-3Band-B.W. 40 MHz- Ch 5795 MHz

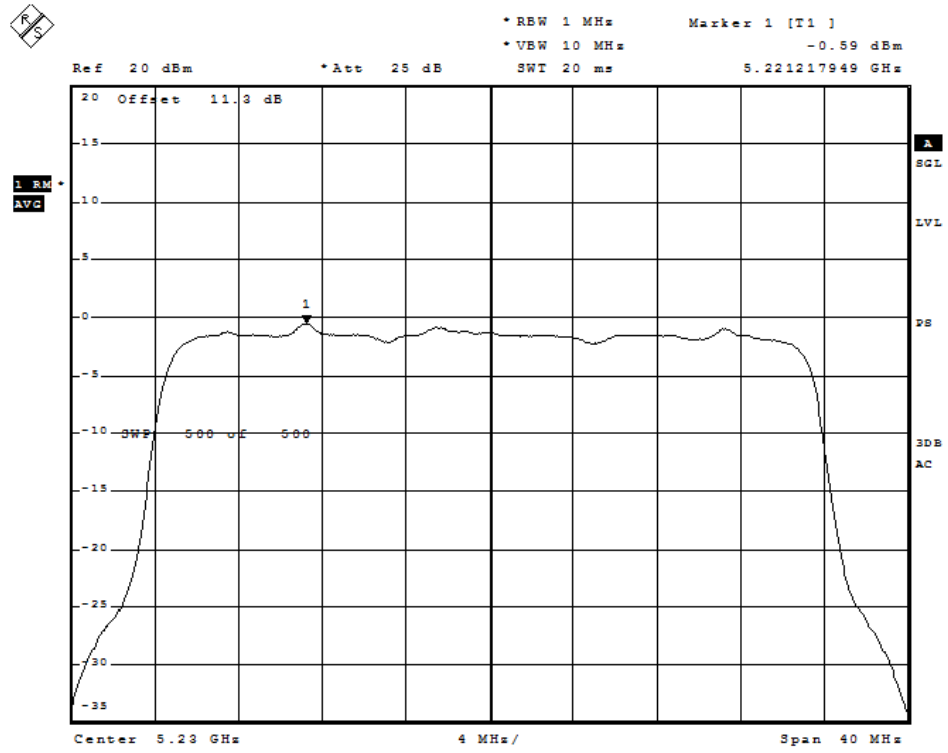
1.2. Power Spectral Density

1.2.1. Channel 5190 MHz



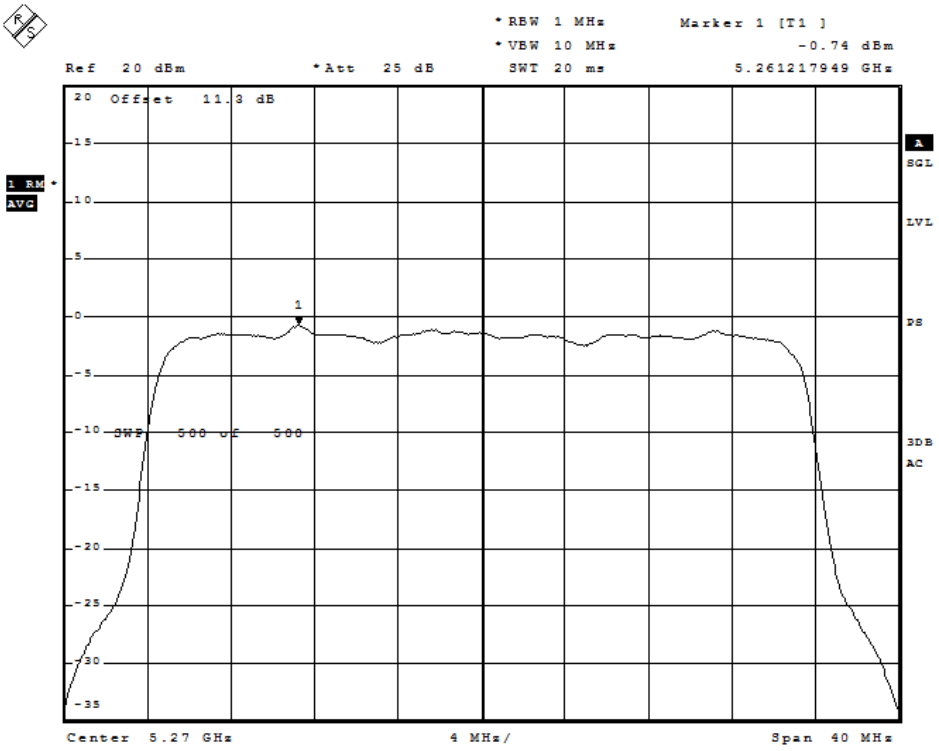
Plot 5: U-NII-1 Band-B.W. 40 MHz-Ch 5190 MHz- TX Port

1.2.2. Channel 5230 MHz



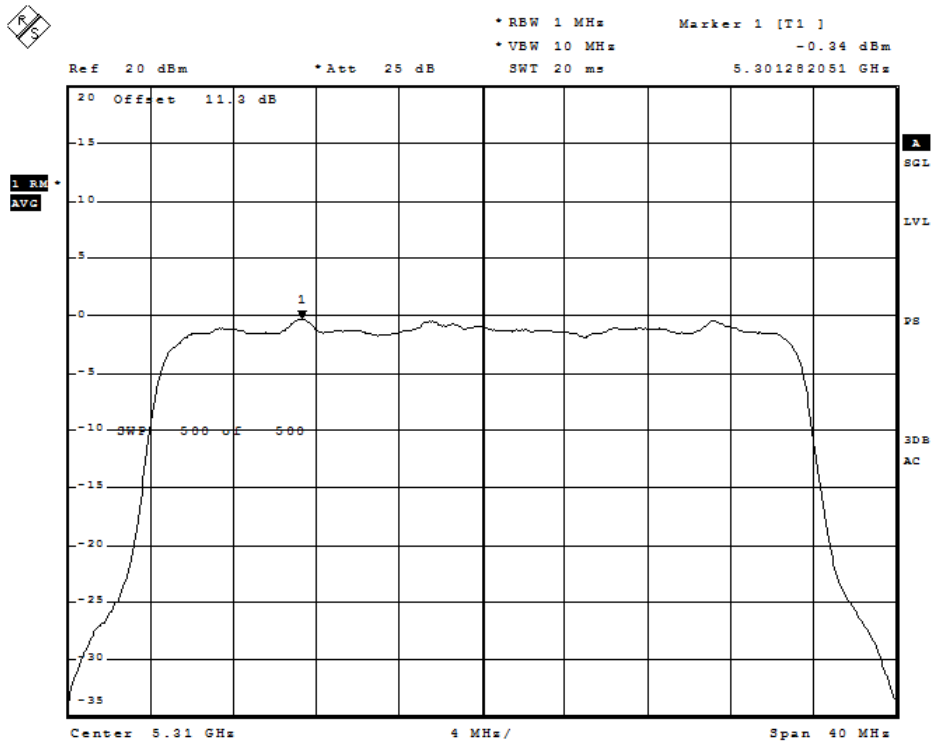
Plot 6: U-NII-1 Band-B.W. 40 MHz-Ch 5230 MHz, TX Port

1.2.3. Channel 5270 MHz



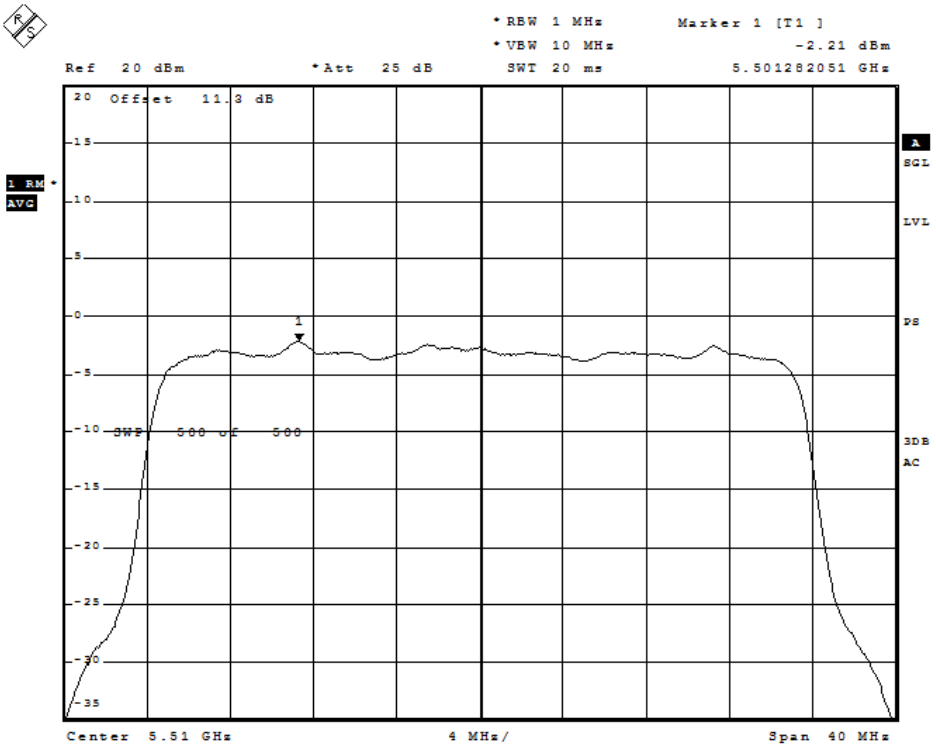
Plot 7: U-NII-2A Band-B.W. 40 MHz-Ch 5270 MHz, TX Port

1.2.4. Channel 5310 MHz



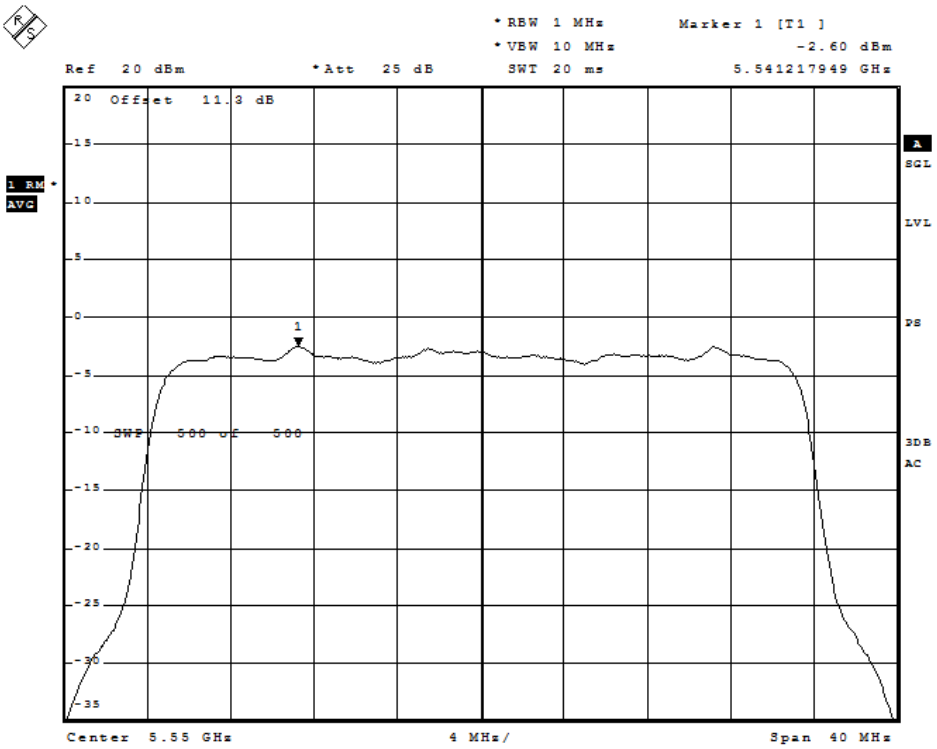
Plot 8: U-NII-2A Band-B.W. 40 MHz-Ch 5310 MHz, TX Port

1.2.5. Channel 5510 MHz



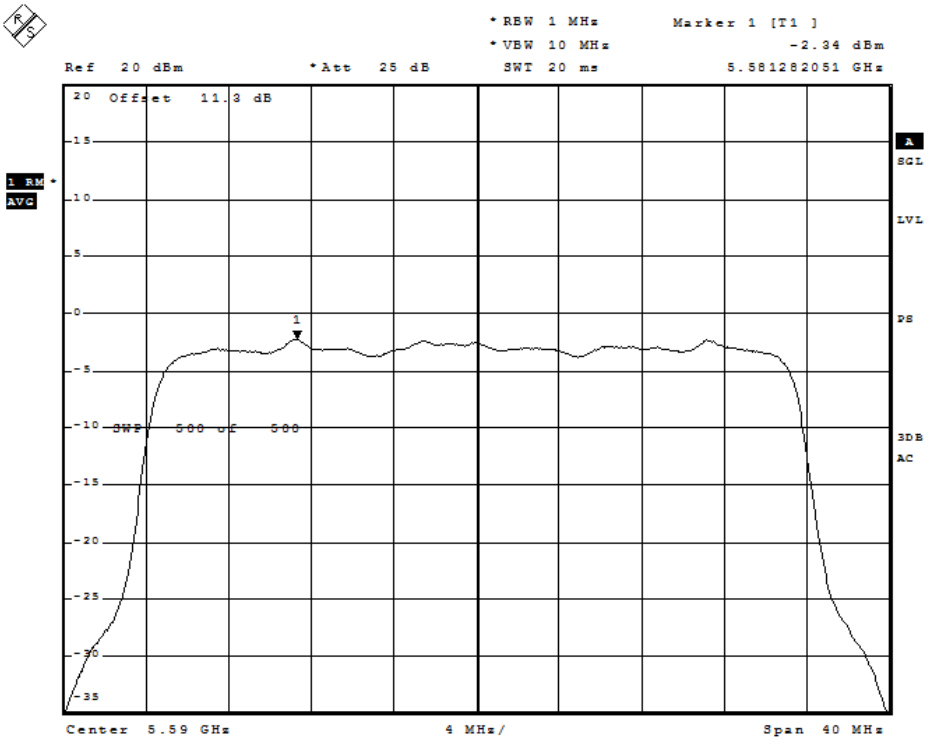
Plot 9: U-NII-2C Band-B.W. 40 MHz-Ch 5510 MHz, TX Port

1.2.6. Channel 5550 MHz



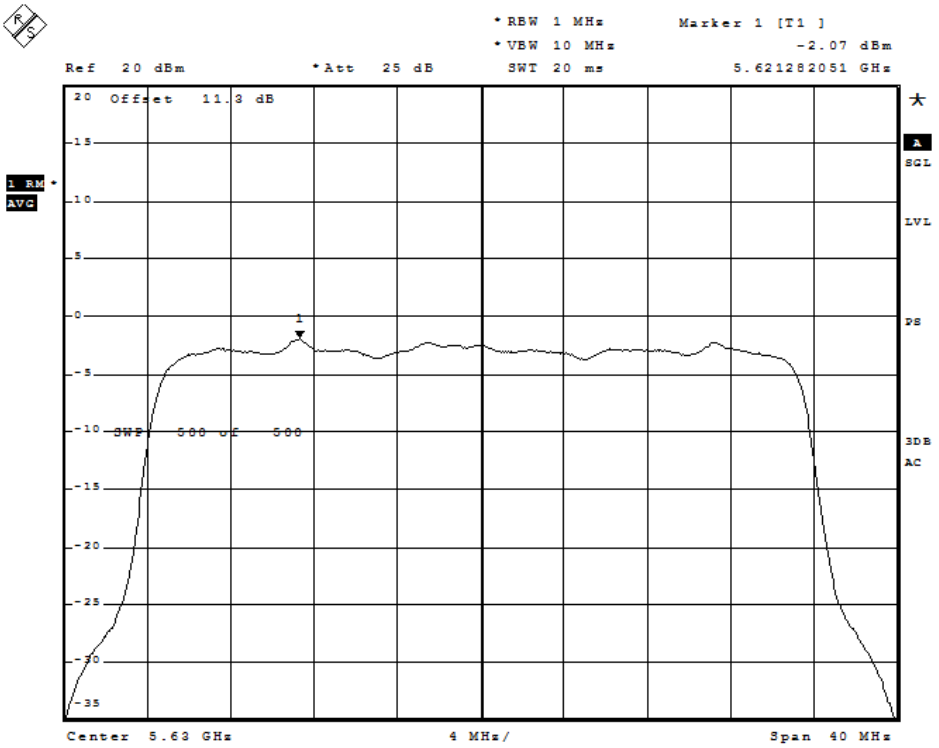
Plot 10: U-NII-2C Band-B.W. 40 MHz-Ch 5550 MHz, TX Port

1.2.7. Channel 5590 MHz



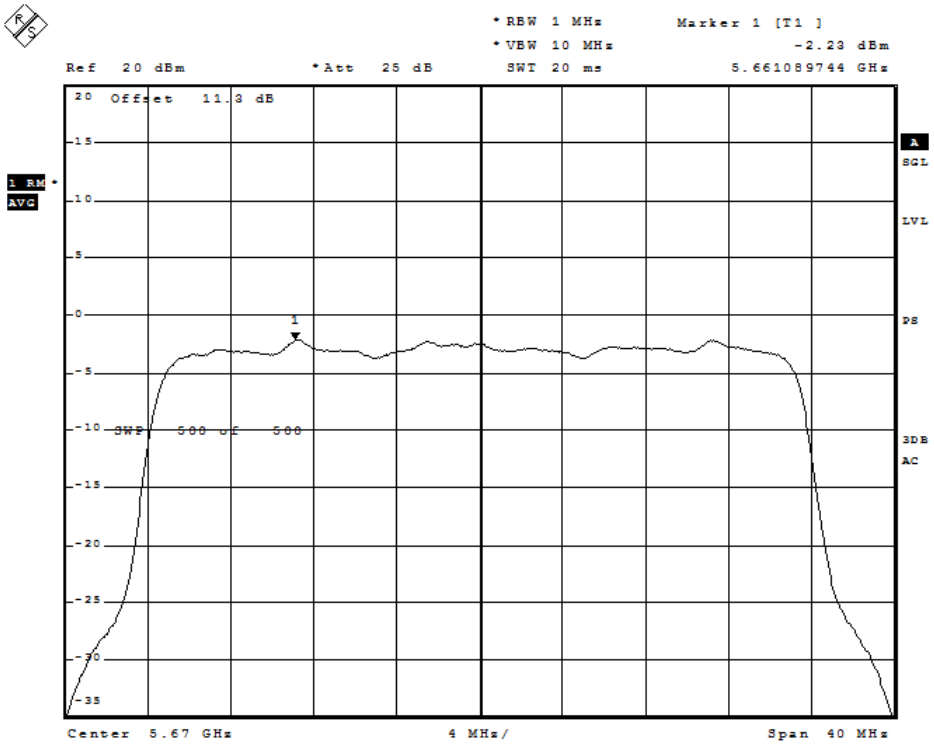
Plot 11: U-NII-2C Band-B.W. 40 MHz-Ch 5590 MHz, TX Port

1.2.8. Channel 5630 MHz



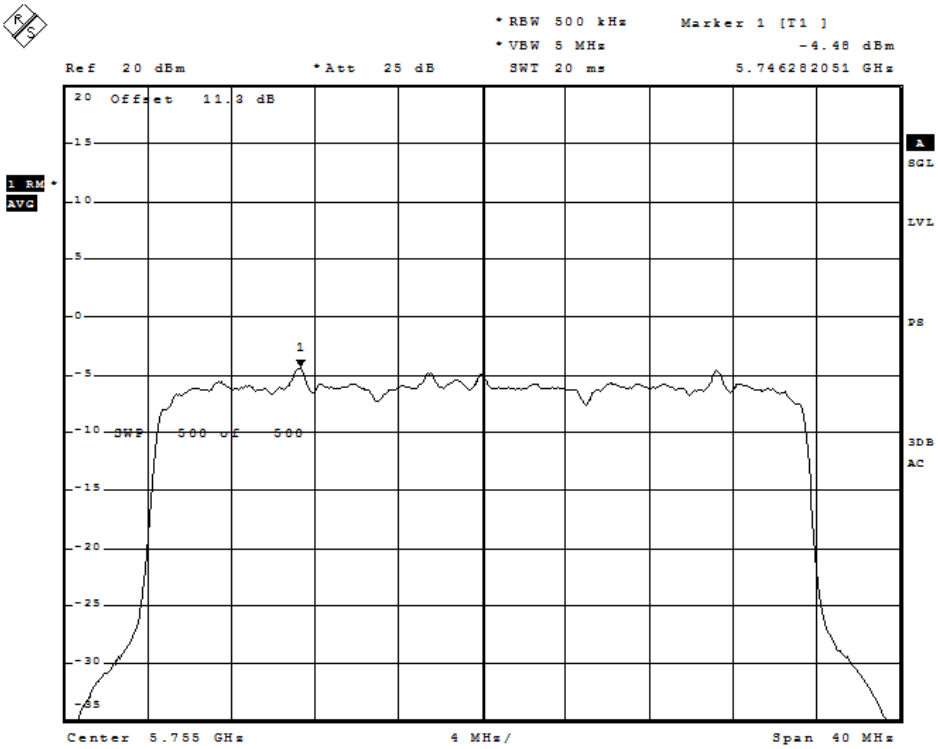
Plot 12: U-NII-2C Band-B.W. 40 MHz-Ch 5630 MHz, TX Port

1.2.9. Channel 5670 MHz



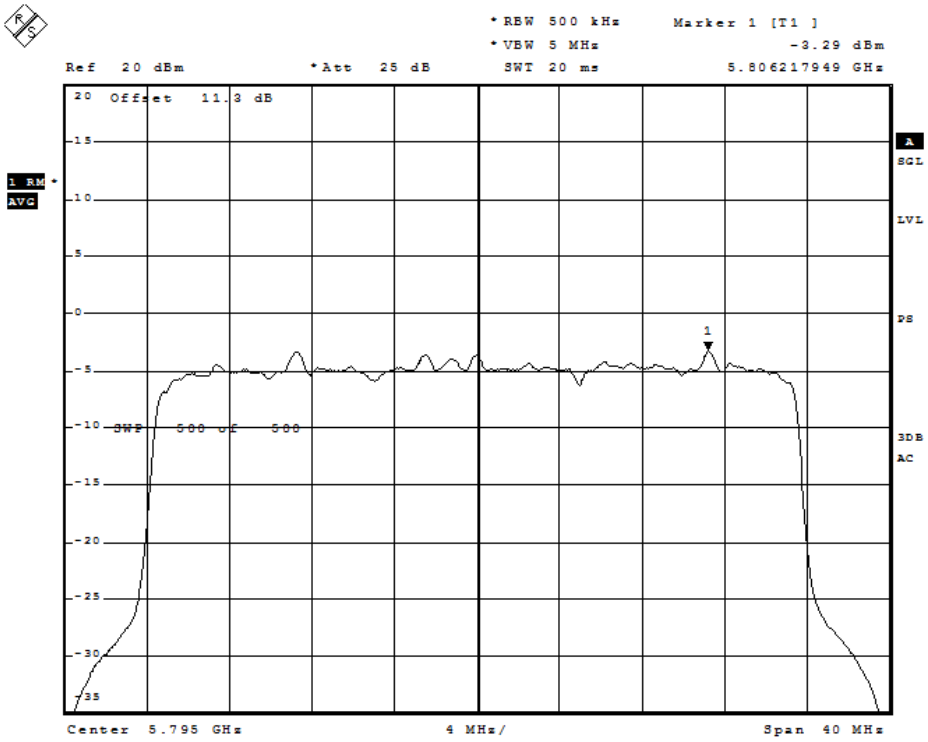
Plot 13: U-NII-2C Band-B.W. 40 MHz-Ch 5670 MHz, TX Port

1.2.10. Channel 5755 MHz



Plot 14: U-NII-3 Band-B.W. 40 MHz-Ch 5755 MHz, TX Port

1.2.11. Channel 5795 MHz

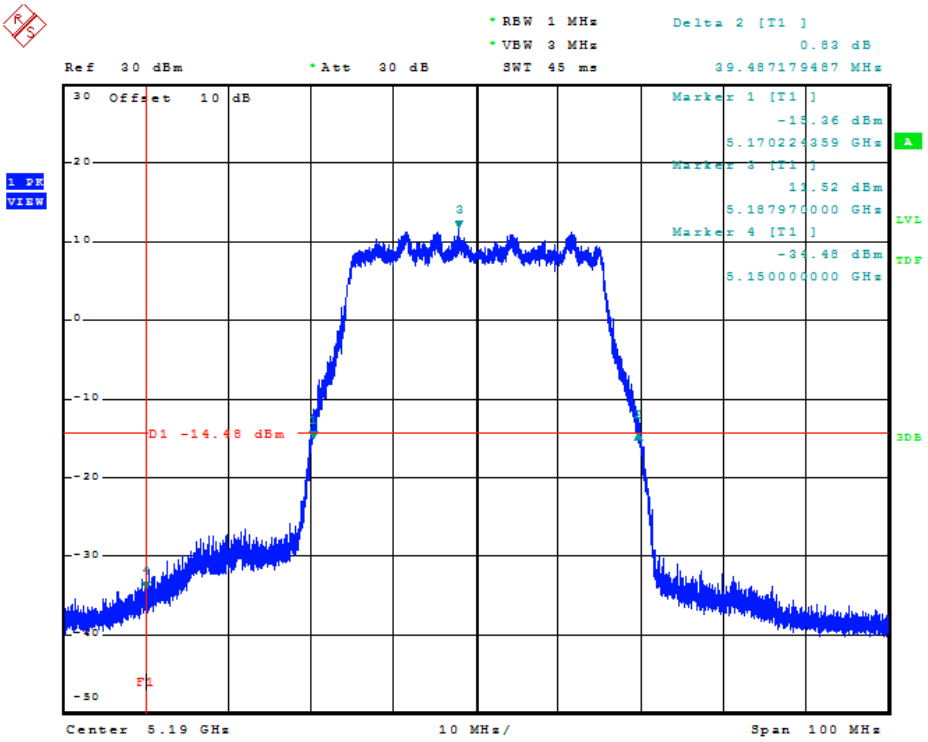


Plot 15: U-NII-3 Band-B.W. 40 MHz-Ch 5795 MHz, TX Port

1.3. 26dBc Bandwidth and 99% Occupied Bandwidth

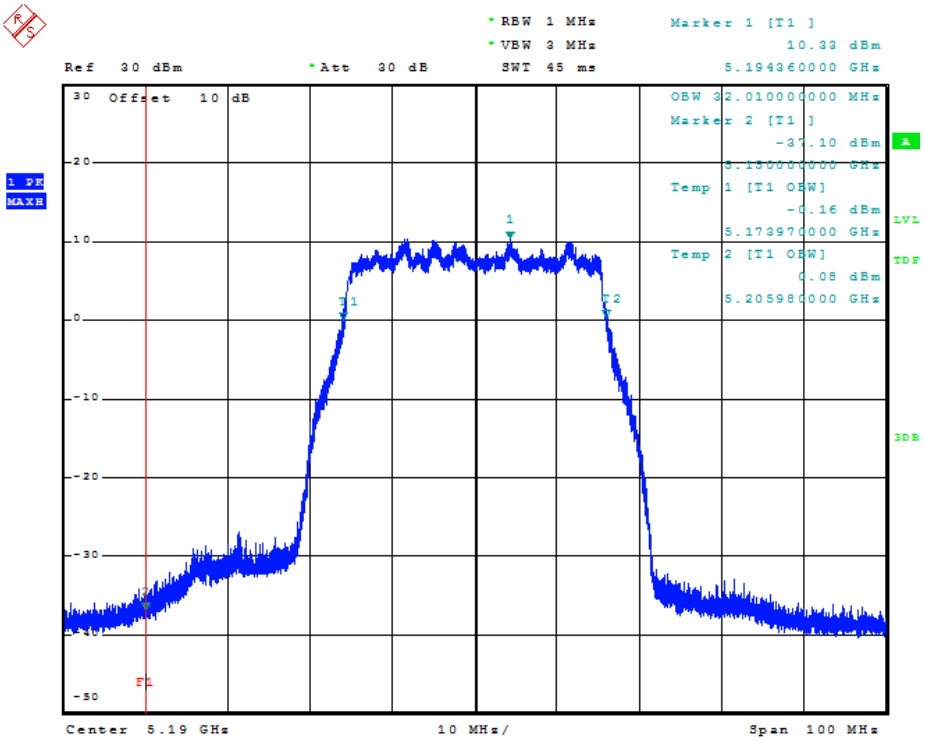
1.3.1. U-NII-1 Band

1.3.1.1. 26dBc B.W.-Channel 5190 MHz- TX Port



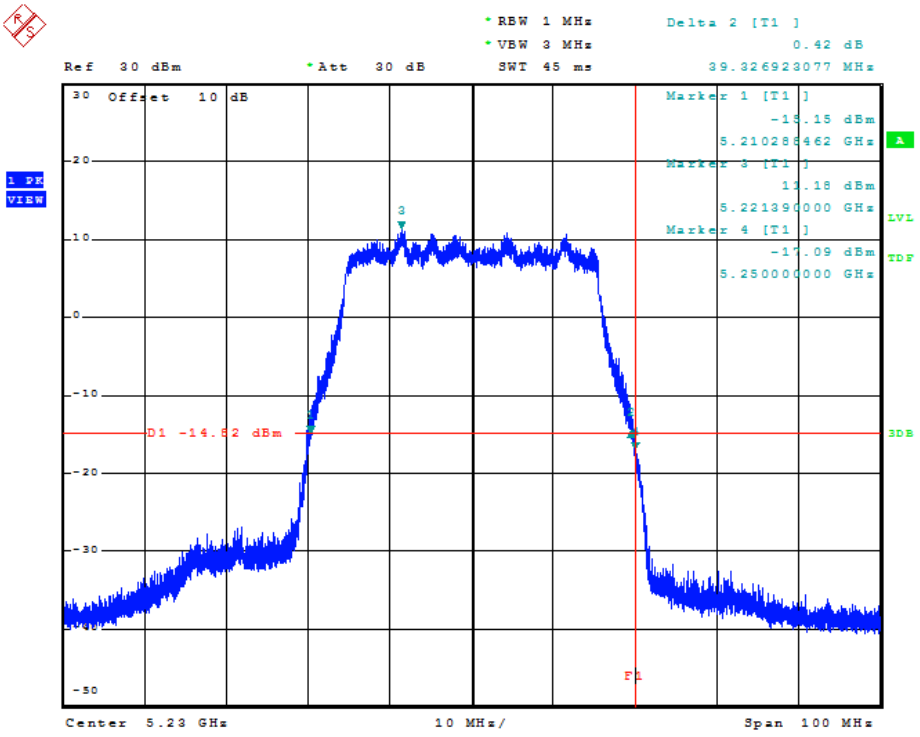
Plot 16: 26dBc B.W-U-NII-1 Band-B.W. 40 MHz-Ch 5190 MHz- TX Port

1.3.1.2. 99% OBW-Channel 5190 MHz- TX Port



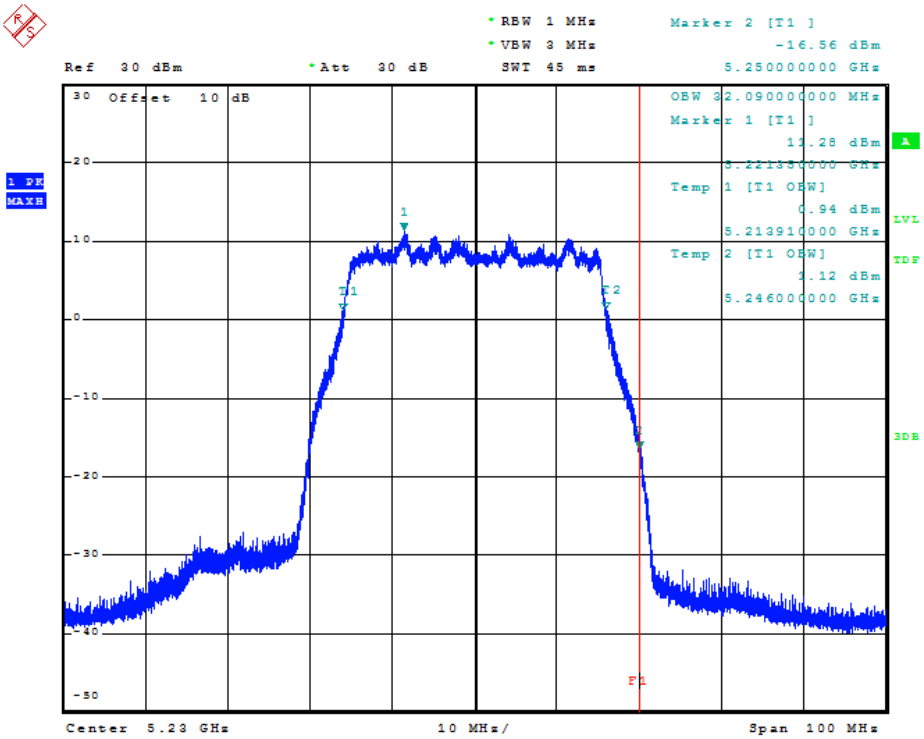
Plot 17: 99% OBW-U-NII-1 Band-B.W. 40 MHz-Ch 5190 MHz- TX Port

1.3.1.3. 26dBc B.W.-Channel 5230 MHz- TX Port



Plot 18: 26dBc B.W-U-NII-1 Band-B.W. 40 MHz-Ch 5230 MHz- TX Port

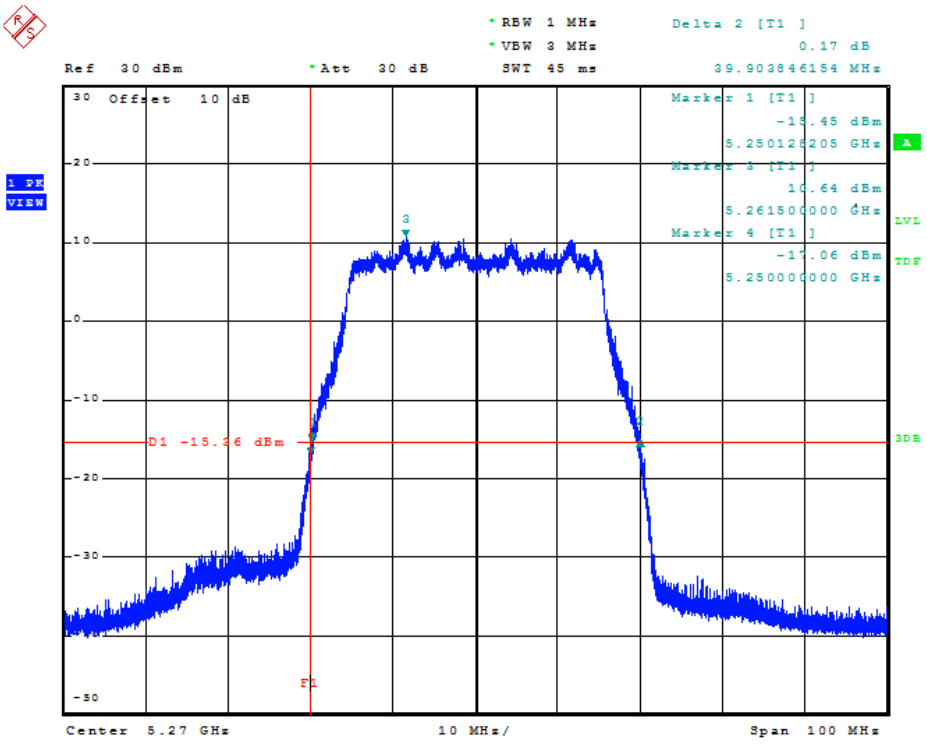
1.3.1.4. 99% OBW-Channel 5230 MHz- TX Port



Plot 19: 99% OBW-U-NII-1 Band-B.W. 40 MHz-Ch 5230 MHz- TX Port

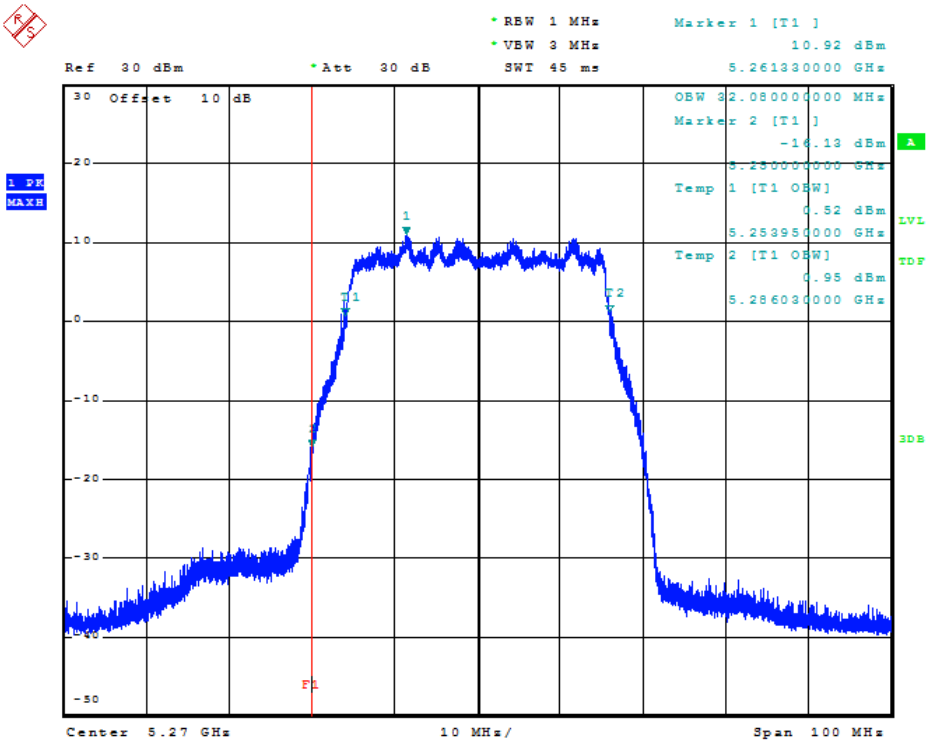
1.3.2. U-NII-2A Band

1.3.2.1. 26dBc B.W.-Channel 5270 MHz- TX Port 0



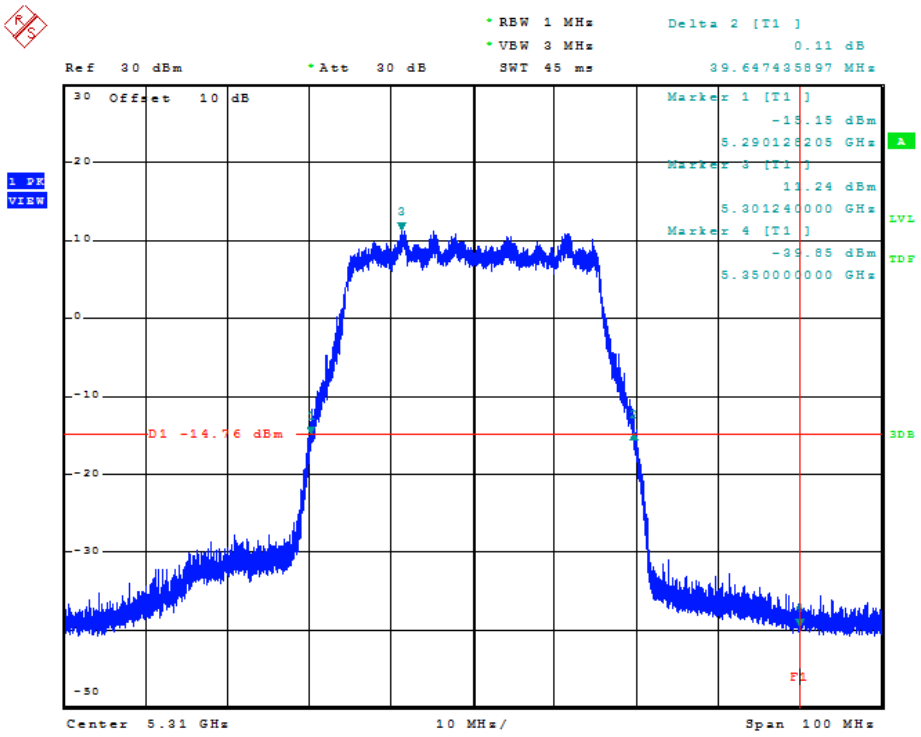
Plot 20: 26dBc B.W-U-NII-2A Band-B.W. 40 MHz-Ch 5270 MHz- TX Port

1.3.2.2. 99% OBW-Channel 5270 MHz- TX Port



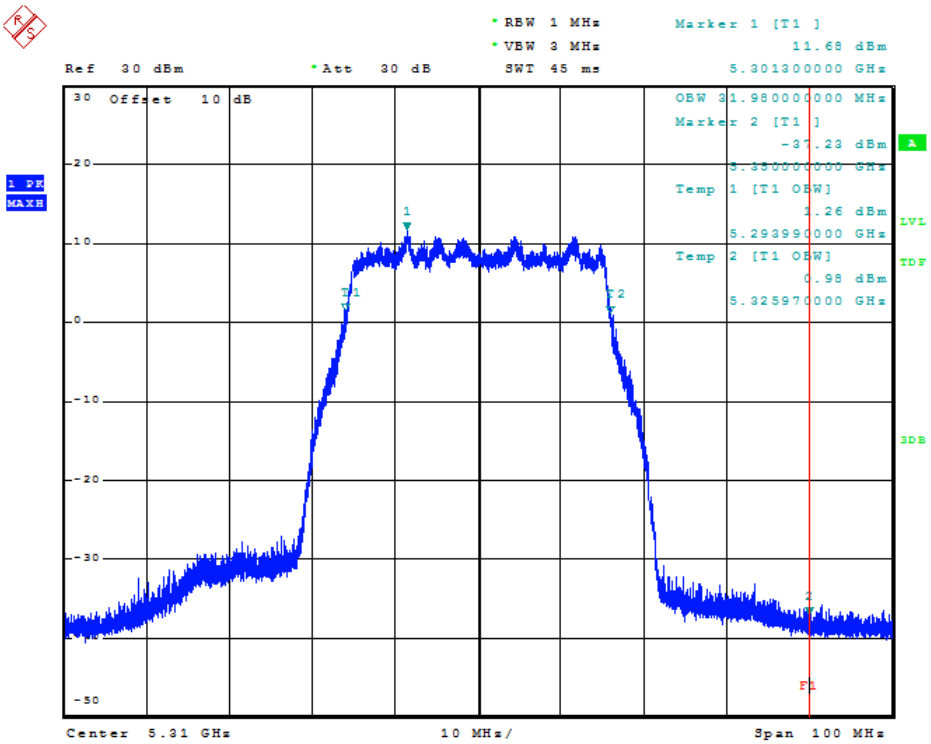
Plot 21: 99% OBW-U-NII-2A Band-B.W. 40 MHz-Ch 5270 MHz- TX Port

1.3.2.3. 26dBc B.W.-Channel 5310 MHz- TX Port



Plot 22: 26dBc B.W-U-NII-2A Band-B.W. 40 MHz-Ch 5310 MHz- TX Port

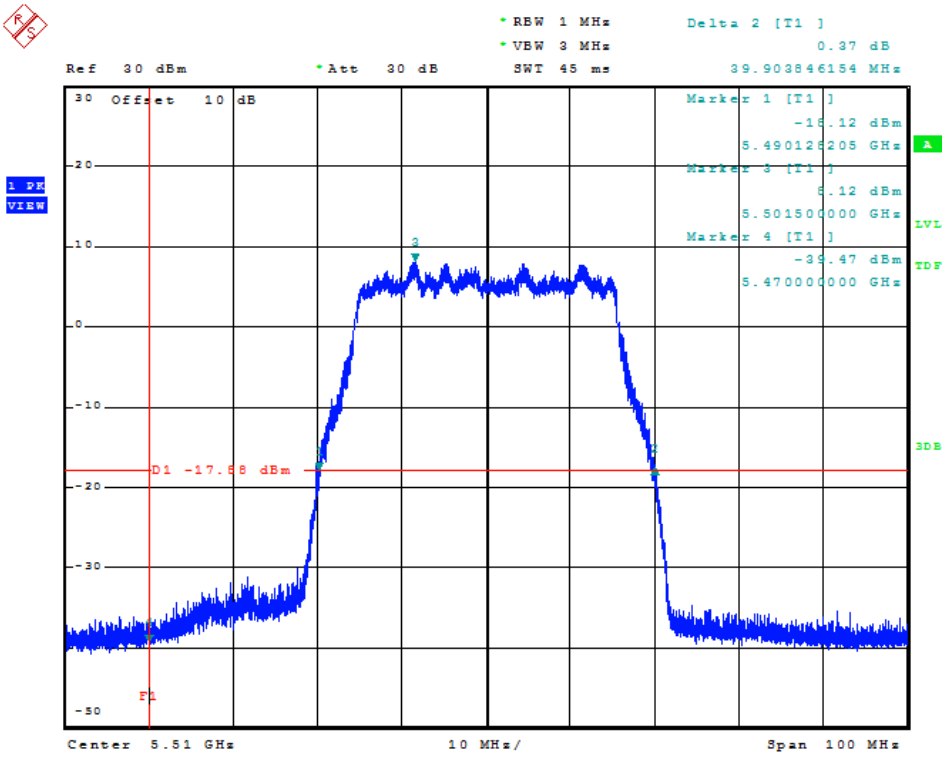
1.3.2.4. 99% OBW-Channel 5310 MHz- TX Port



Plot 23: 99% OBW-U-NII-2A Band-B.W. 40 MHz-Ch 5310 MHz- TX Port

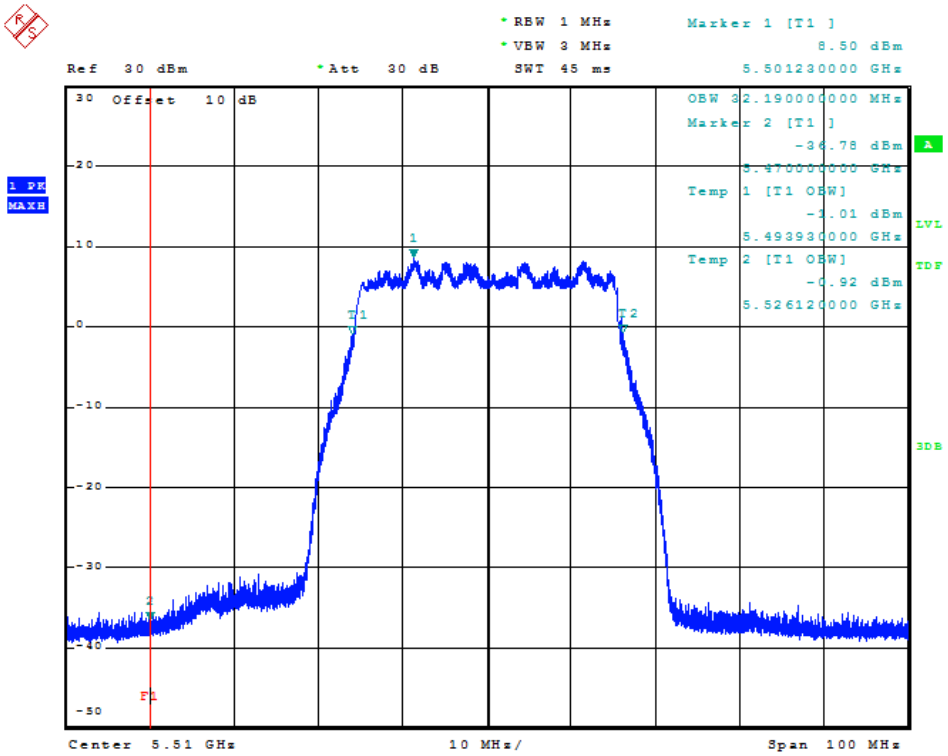
1.3.3. U-NII-2C Band

1.3.3.1. 26dBc B.W.-Channel 5510 MHz- TX Port



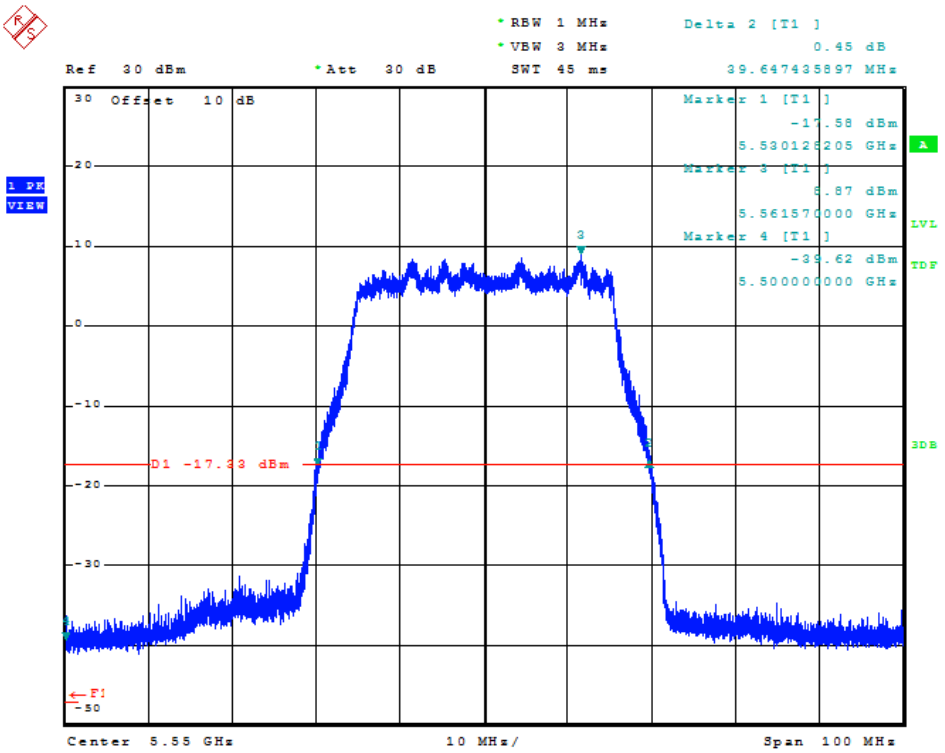
Plot 24: 26dBc B.W-U-NII-2C Band-B.W. 40 MHz-Ch 5510 MHz- TX Port

1.3.3.2. 99% OBW-Channel 5510 MHz- TX Port



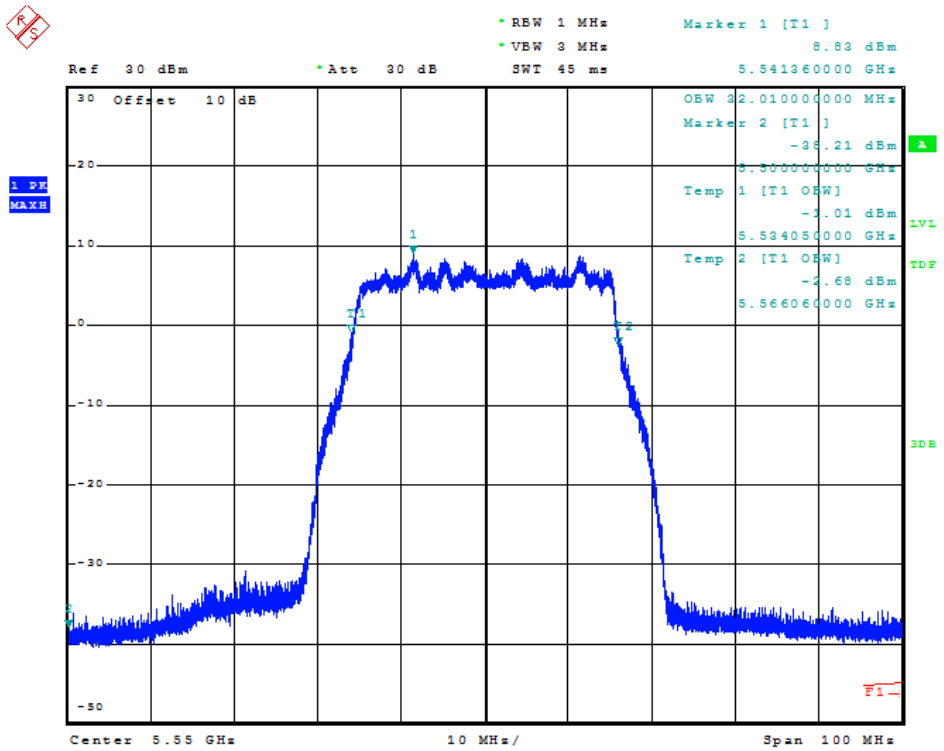
Plot 25: 99% OBW-U-NII-2C Band-B.W. 40 MHz-Ch 5510 MHz- TX Port

1.3.3.3. 26dBc B.W.-Channel 5550 MHz- TX Port



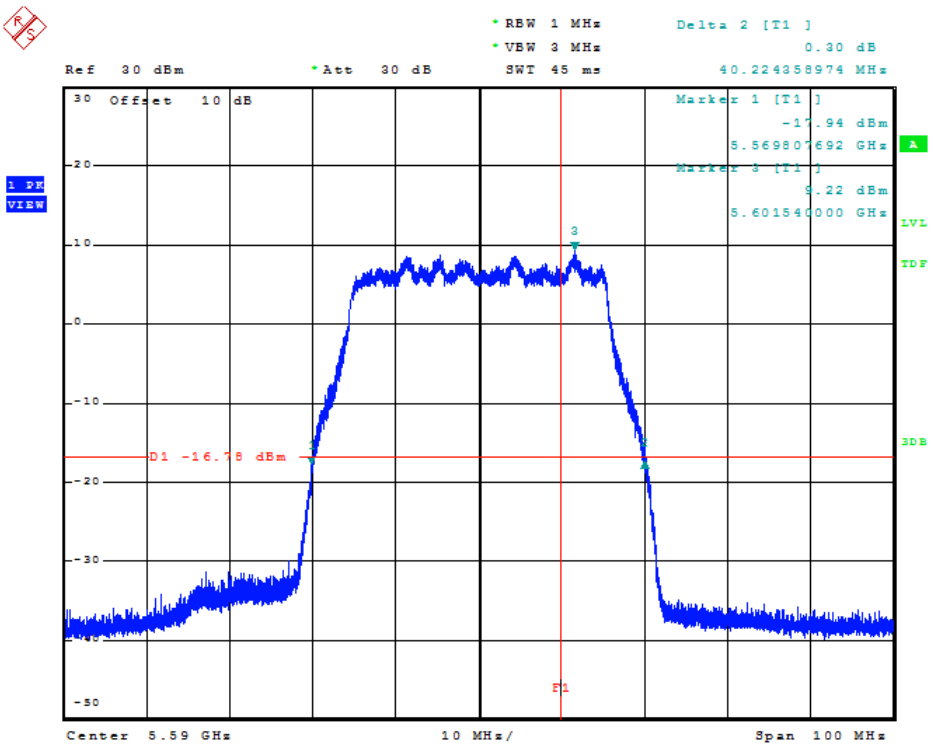
Plot 26: 26dBc B.W-U-NII-2C Band-B.W. 40 MHz-Ch 5550 MHz- TX Port

1.3.3.4. 99% OBW-Channel 5550 MHz- TX Port



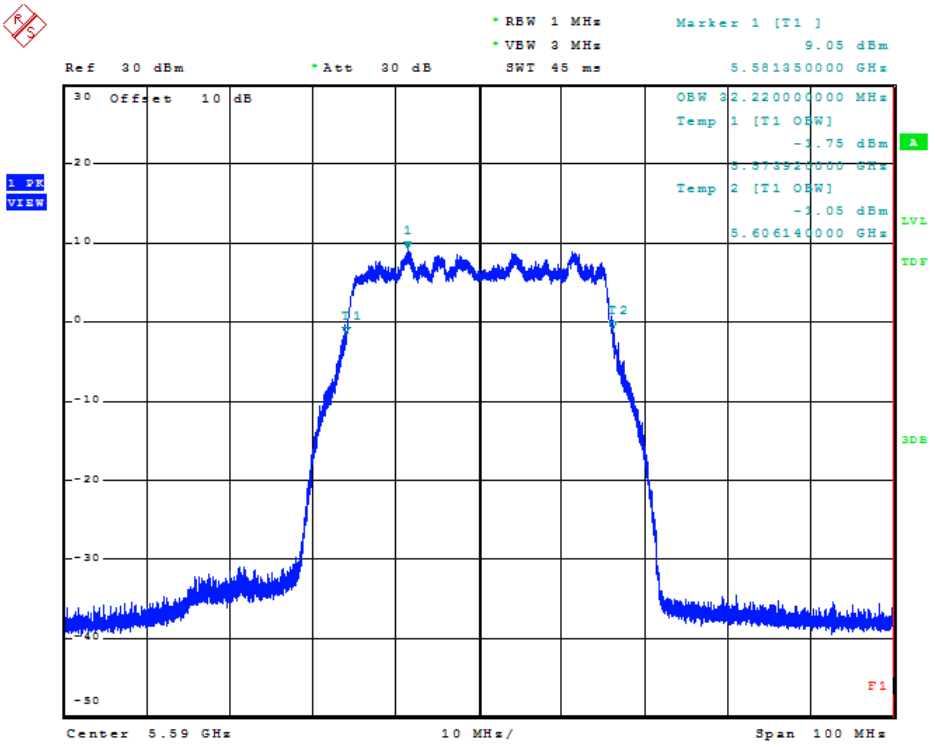
Plot 27: 99% OBW-U-NII-2C Band-B.W. 40 MHz-Ch 5550 MHz- TX Port

1.3.3.5. 26dBc B.W.-Channel 5590 MHz- TX Port



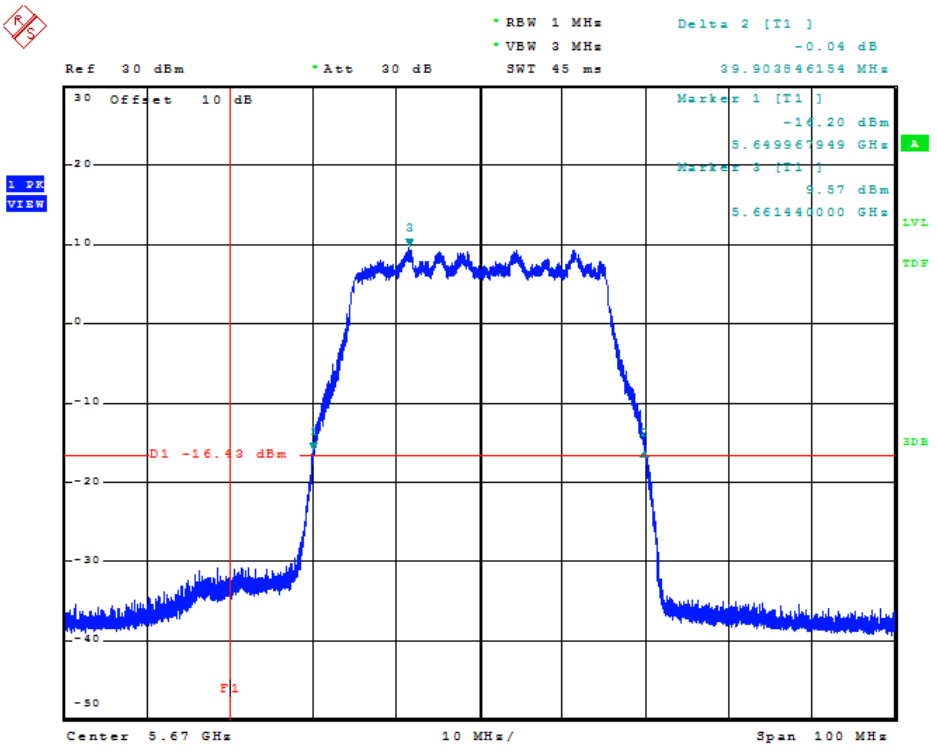
Plot 28: 26dBc B.W-U-NII-2C Band-B.W. 40 MHz-Ch 5590 MHz- TX Port

1.3.3.6. 99% OBW-Channel 5590 MHz- Port



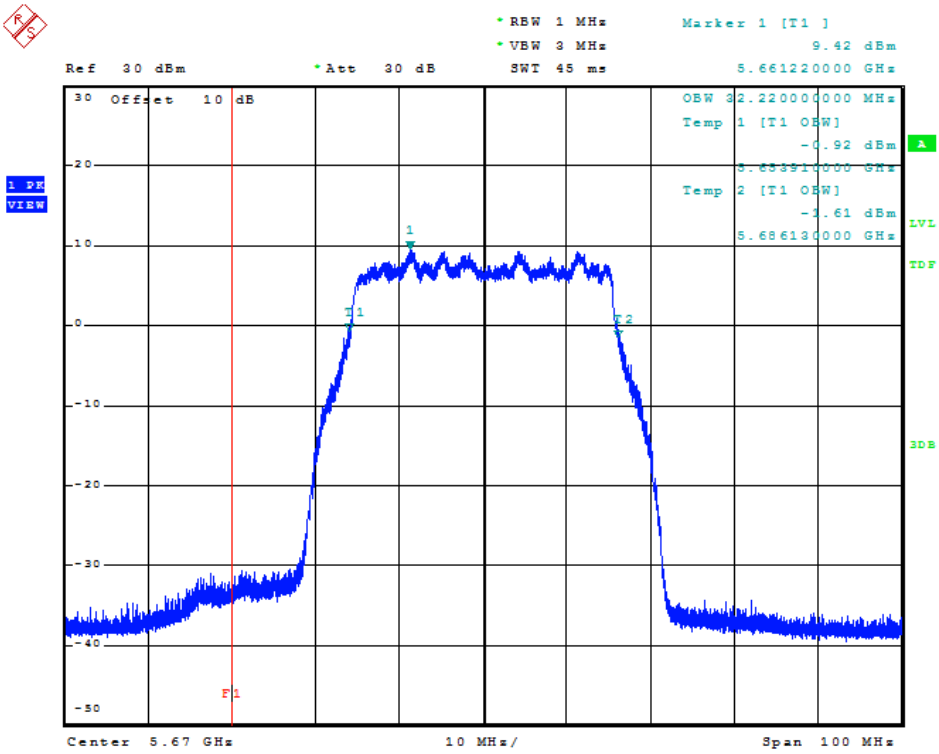
Plot 29: 99% OBW-U-NII-2C Band-B.W. 40 MHz-Ch 5590 MHz- TX Port

1.3.3.7. 26dBc B.W.-Channel 5670 MHz- TX Port



Plot 30: 26dBc B.W-U-NII-2C Band-B.W. 40 MHz-Ch 5670 MHz- TX Port

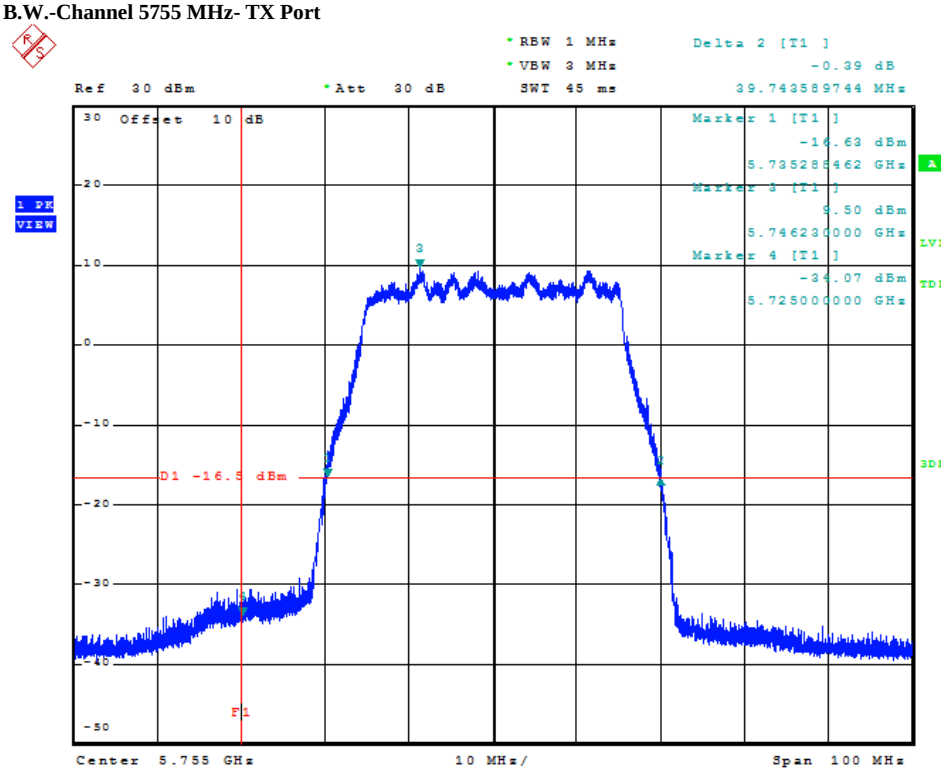
1.3.3.8. 99% OBW-Channel 5670 MHz- Port



Plot 31: 99% OBW-U-NII-2C Band-B.W. 40 MHz-Ch 5670 MHz- TX Port

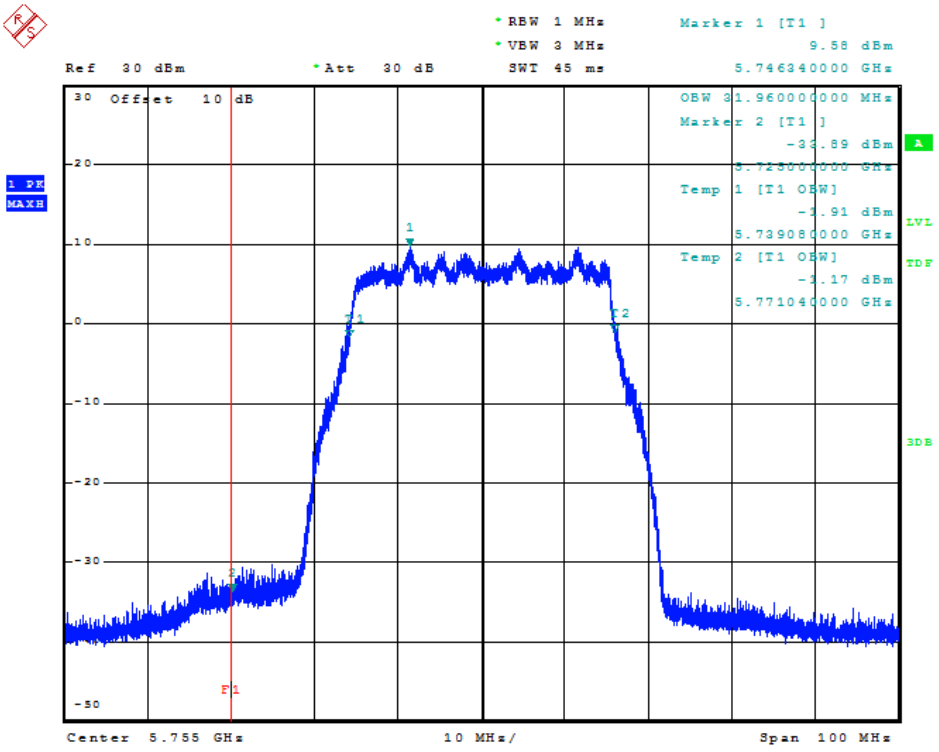
1.3.4. U-NII-3 Band

1.3.4.1. 26dBc B.W.-Channel 5755 MHz- TX Port



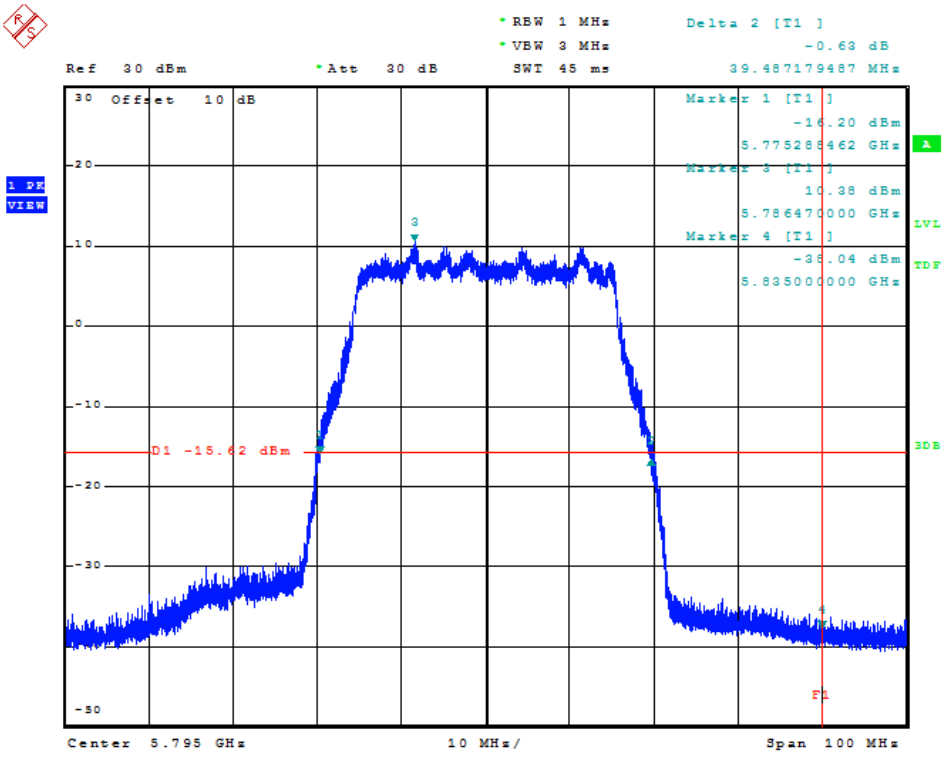
Plot 32: 26dBc B.W-U-NII-3 Band-B.W. 40 MHz-Ch 5755 MHz- TX Port

1.3.4.2. 99% OBW-Channel 5755 MHz- TX Port



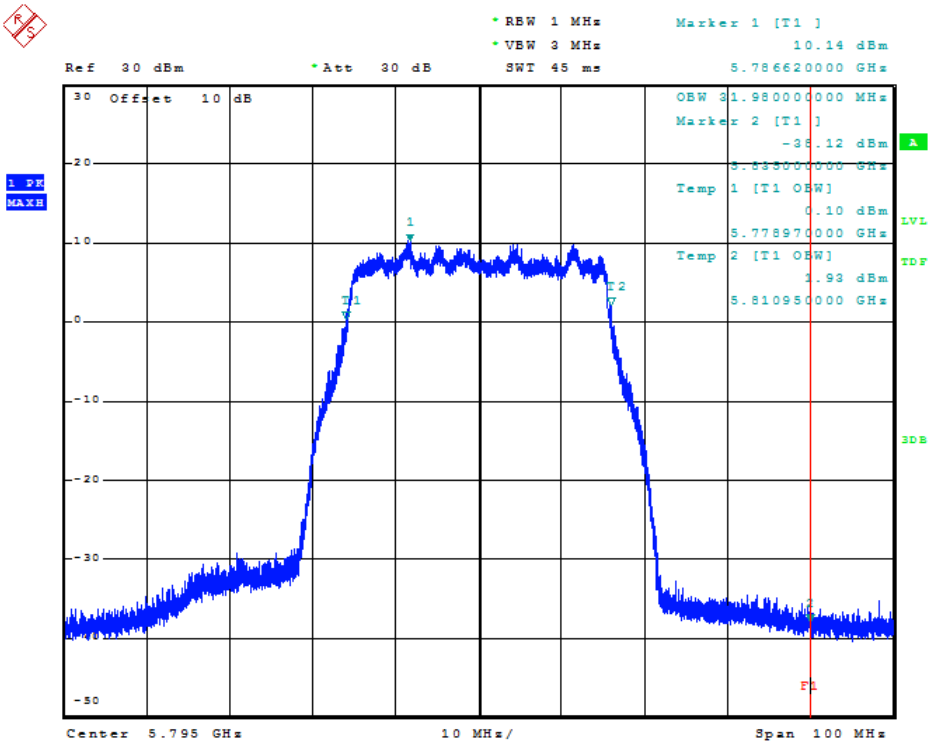
Plot 33: 99% OBW-U-NII-3 Band-B.W. 40 MHz-Ch 5755 MHz- TX Port

1.3.4.3. 26dBc B.W.-Channel 5795 MHz- TX Port



Plot 34: 26dBc B.W-U-NII-3 Band-B.W. 40 MHz-Ch 5795 MHz- TX Port

1.3.4.4. 99% OBW-Channel 5795 MHz- TX Port



Plot 35: 99% OBW-U-NII-3 Band-B.W. 40 MHz-Ch 5795 MHz- TX Port

2. Radiated Field Strength Measurements

2.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz

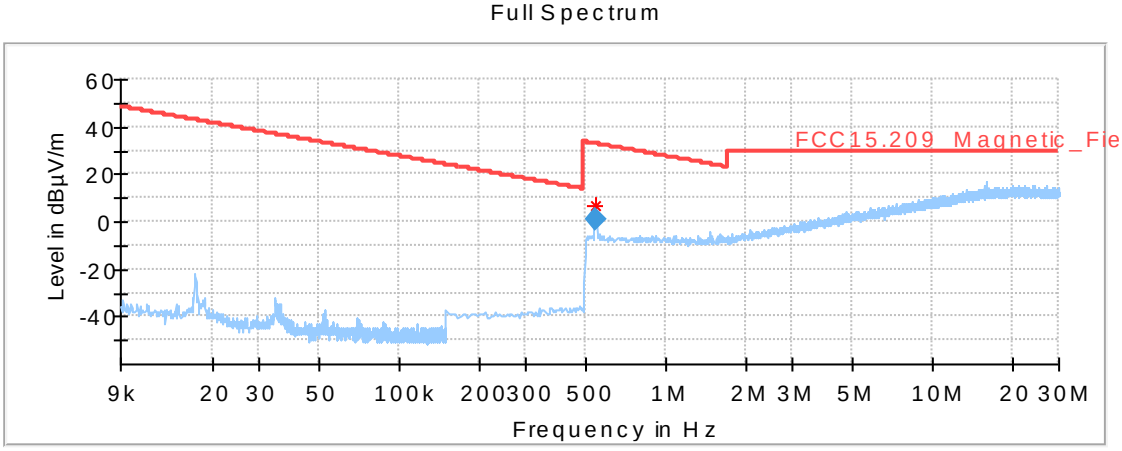
2.21_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5190 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MBe/&DLe
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-1 | BW 40 MHz |5190 MHz| Fixed Chanel|+11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	0.78	32.86	32.09	1000.0	10.000	100.0	H	305.0	0.0	-20.0

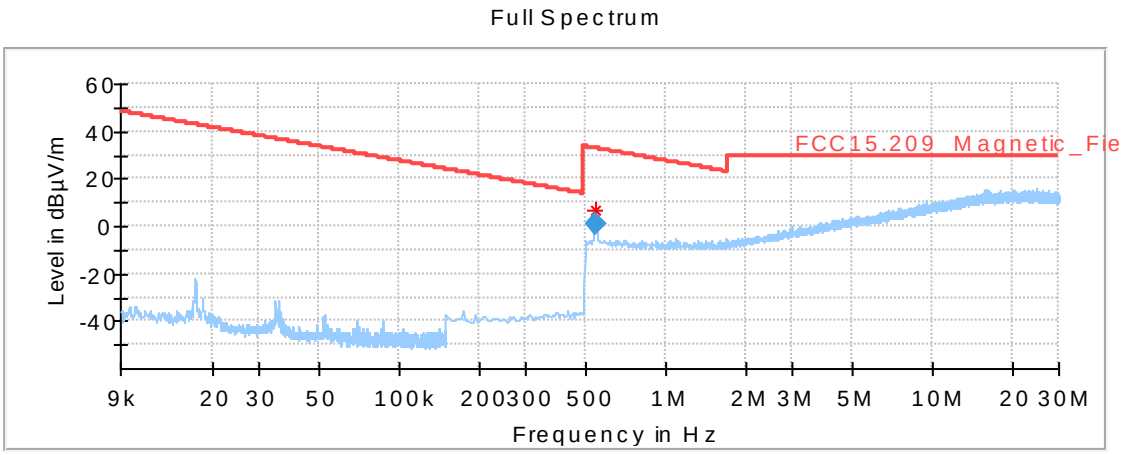
2.22_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5230 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MBe/&DLe
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-1 | BW 40 MHz |5230 MHz| Fixed Channel| Power:+11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	0.51	32.86	32.36	1000.0	10.000	100.0	H	308.0	0.0	-20.0

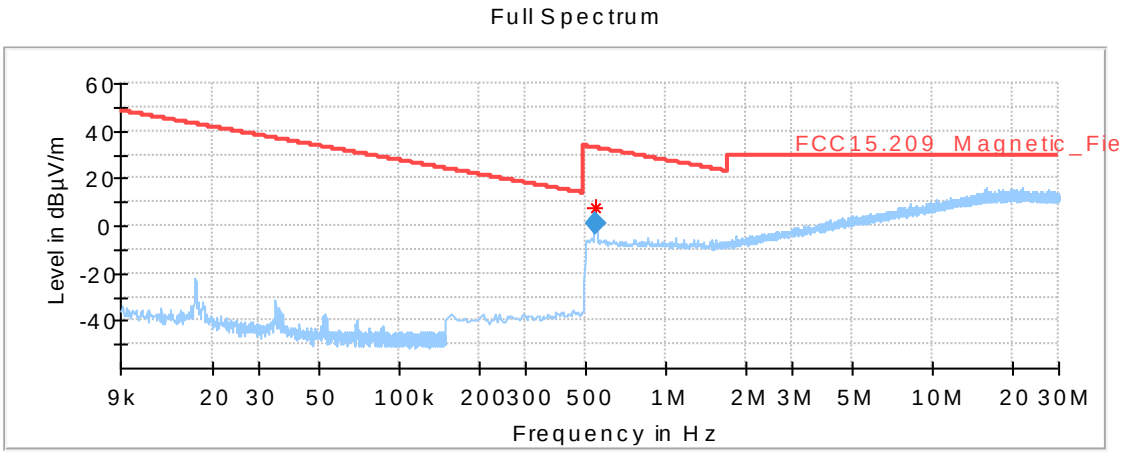
2.23_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5270 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MBe/&DLe
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2A | BW 40 MHz |5270 MHz| Fixed Channel| Power : +11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	0.83	32.86	32.04	1000.0	10.000	100.0	H	307.0	0.0	-20.0

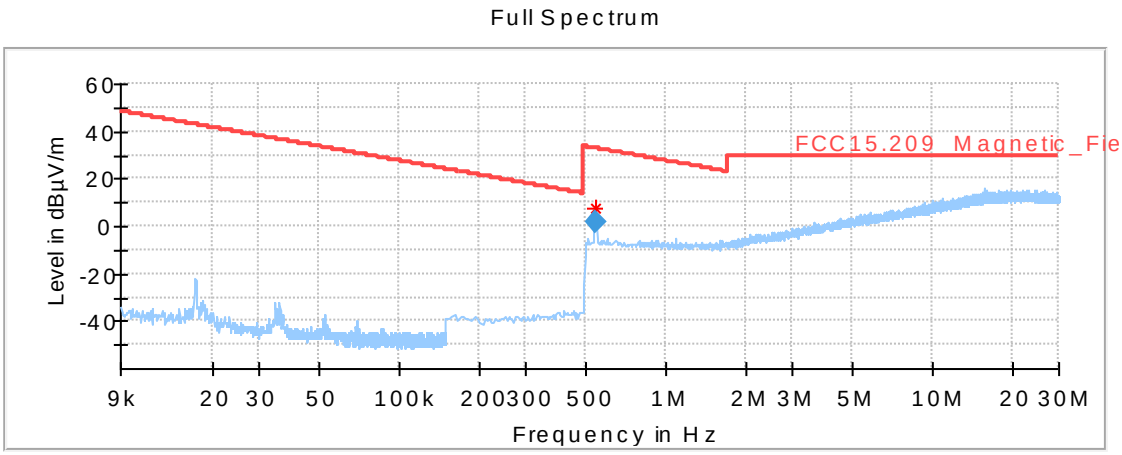
2.24_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5310 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MBe/&DLe
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2A | BW 40 MHz |5310 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	1.38	32.86	31.49	1000.0	10.000	100.0	H	303.0	0.0	-20.0

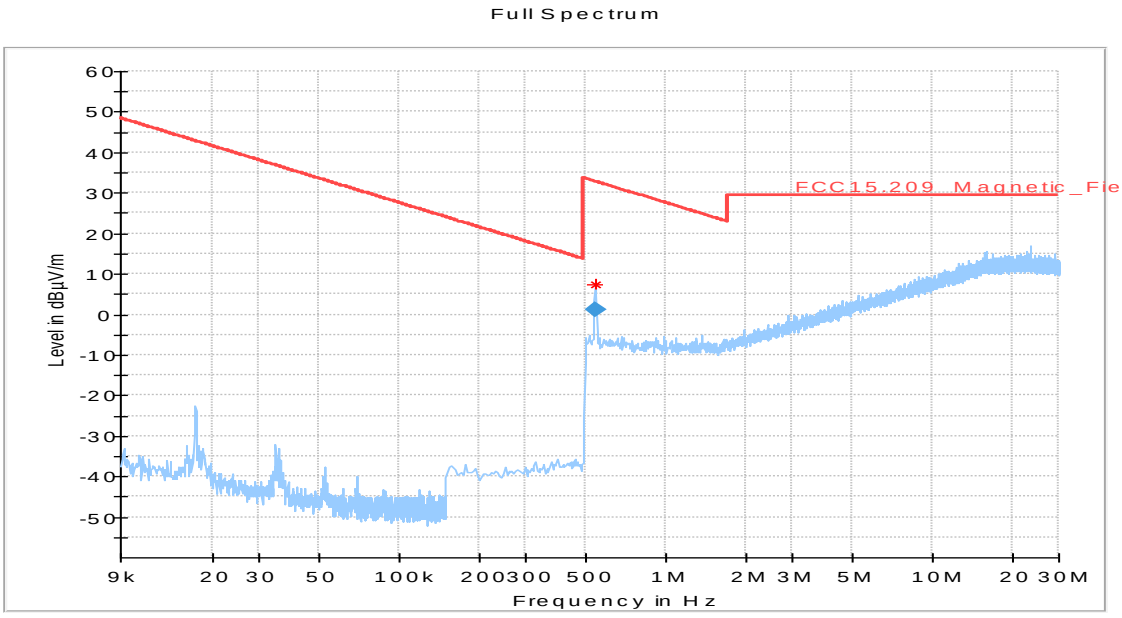
2.25_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5510 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MBe/&DLe
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2C | BW 40 MHz |5510 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	1.03	32.86	31.84	1000.0	10.000	100.0	H	306.0	0.0	-20.0

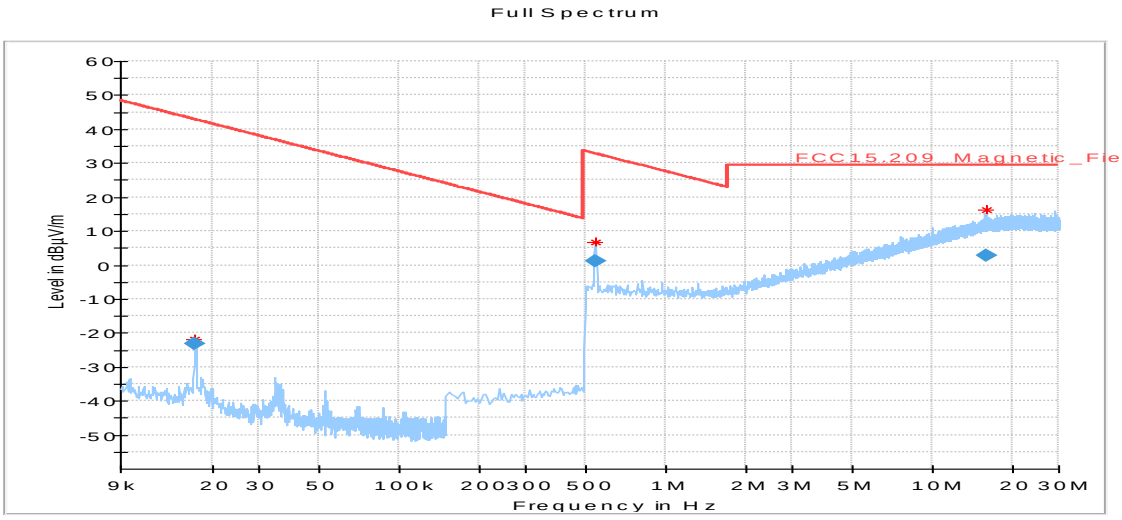
2.26_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5590 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MBe/&DLe
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2C | BW 40 MHz |5590 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.017160	-23.08	42.91	65.98	1000.0	0.200	100.0	V	284.0	90.0	-58.7
0.546000	1.22	32.86	31.65	1000.0	10.000	100.0	H	305.0	0.0	-20.0
16.014000	2.85	29.54	26.69	1000.0	10.000	100.0	H	333.0	0.0	0.1

(

2.27_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5670 MHz-+11dBm

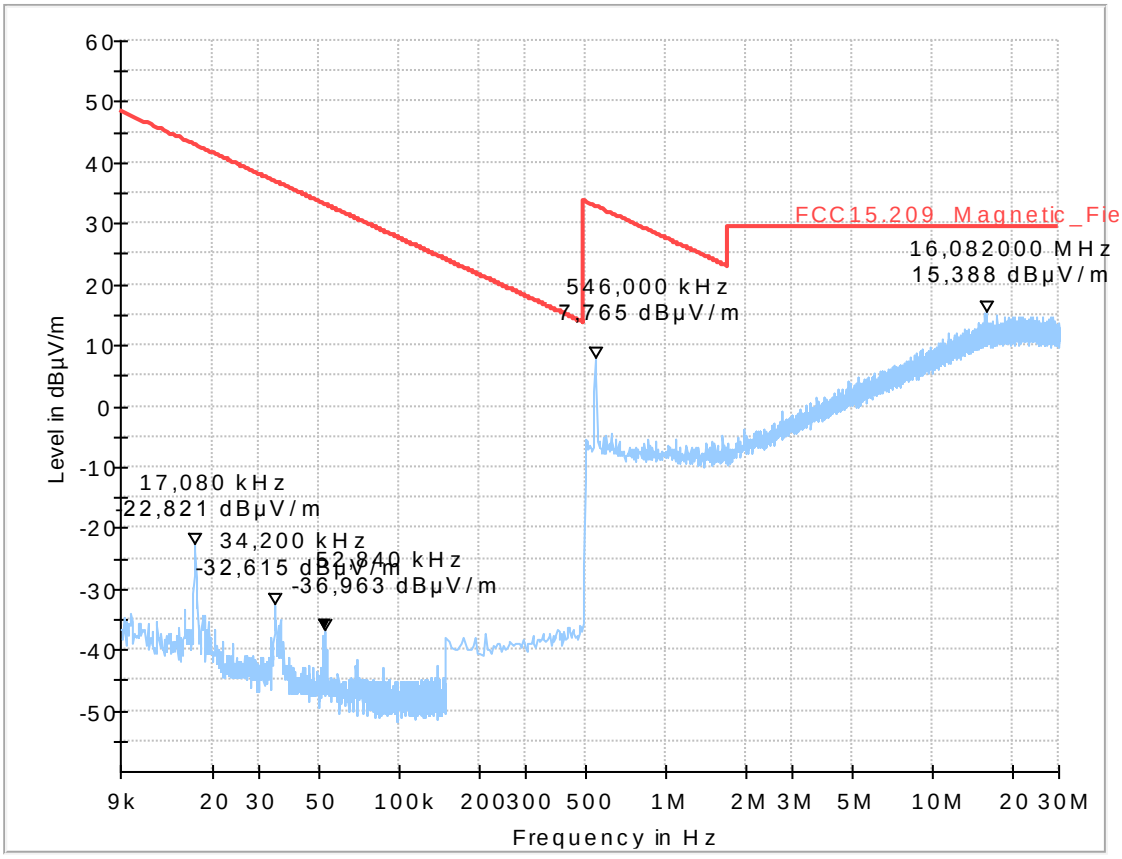
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel +Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



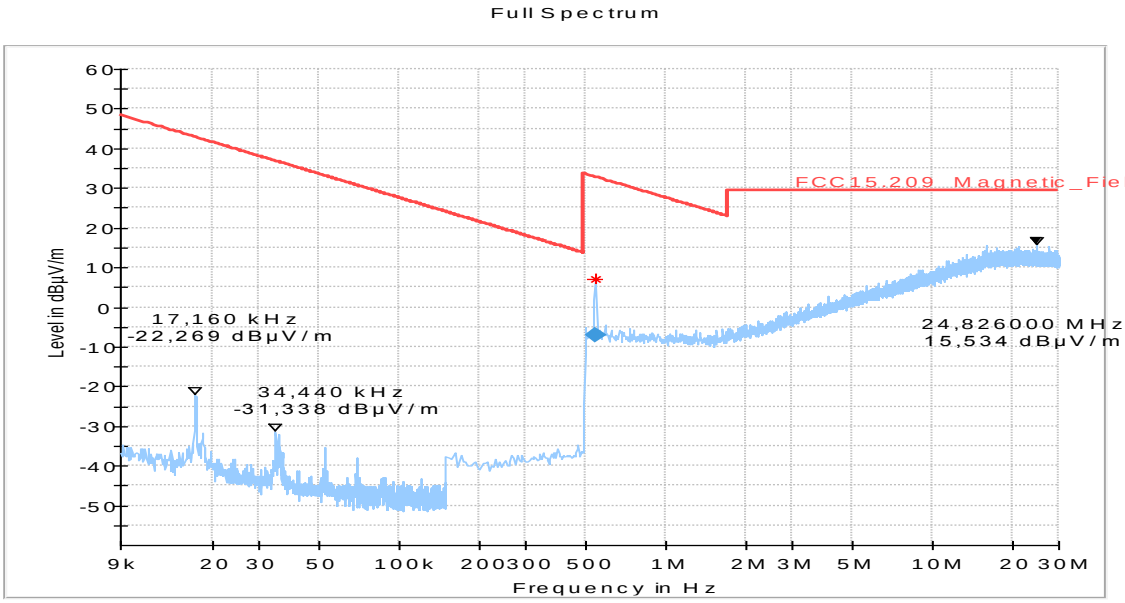
2.28_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5755 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-3 | BW 40 MHz |5755 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	-7.19	32.86	40.06	1000.0	10.000	100.0	H	-8.0	0.0	-20.0

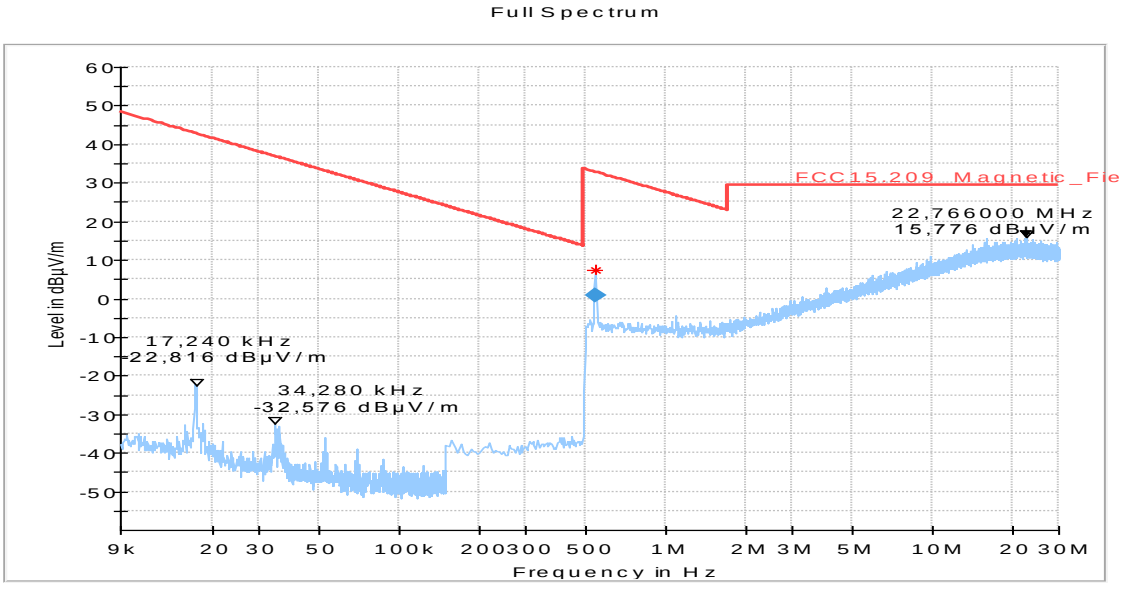
2.29_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5795 MHz-+11dBm

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-3 | BW 40 MHz |5795 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
0.546000	0.78	32.86	32.09	1000.0	10.000	100.0	H	307.0	0.0	-20.0

2.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz

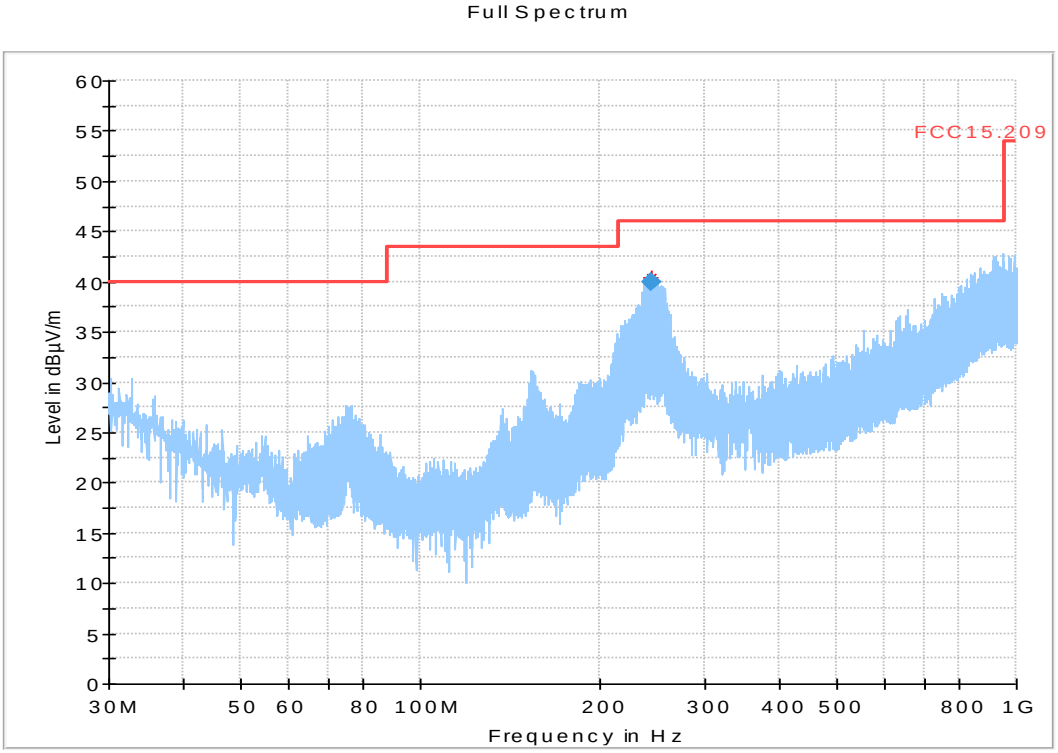
3.21_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5190 MHz-+11dBm

Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	APh
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-1 | BW 40 MHz |5190 MHz| Fixed Channel| Power:+11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
243.340000	40.01	46.00	5.99	1000.0	120.000	105.0	H	183.0	90.0	13.1

3.22_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5230 MHz-+11dBm

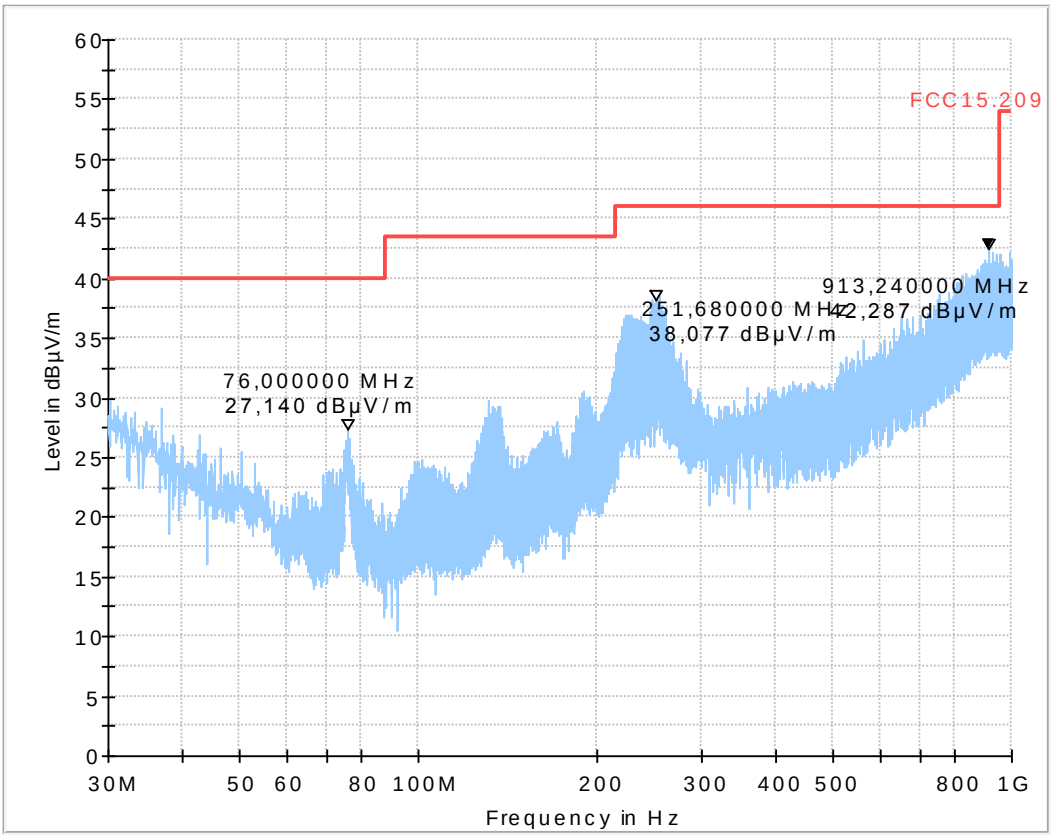
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	APh
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-1 | BW 40 MHz |5230 MHz| Fixed Channel| Power:+11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.23_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5270 MHz-+11dBm

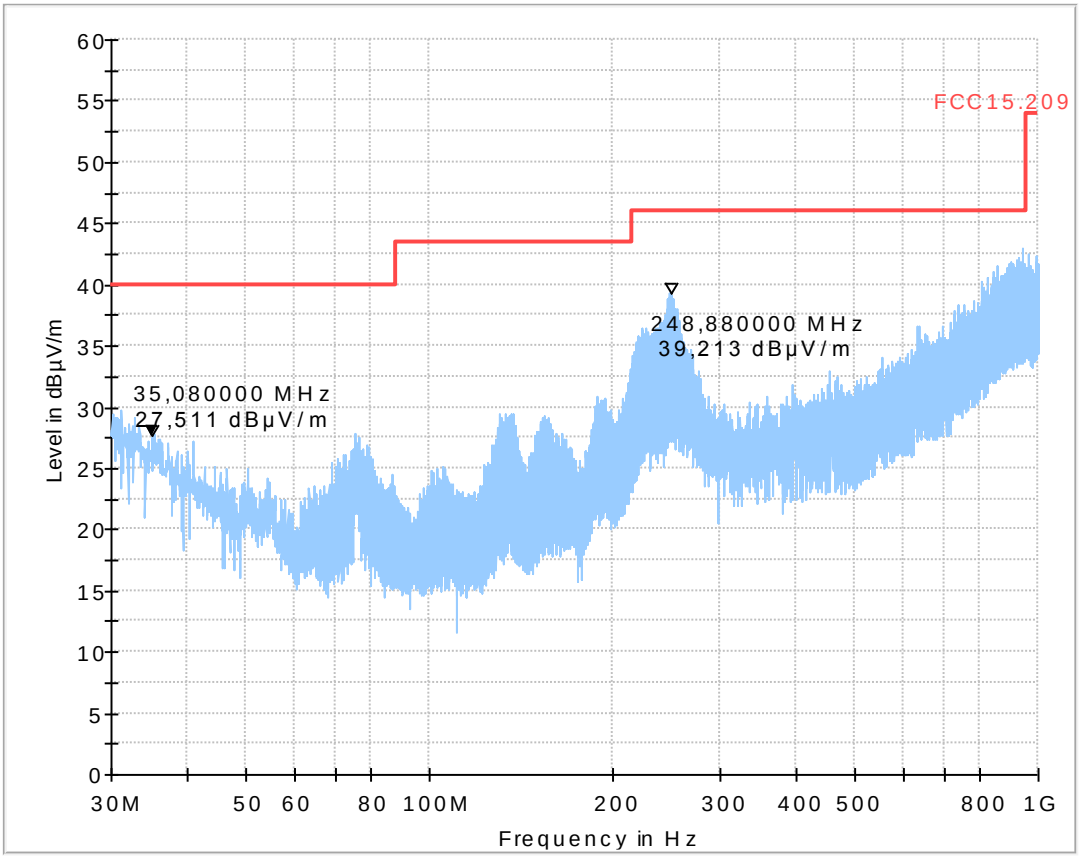
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	APh
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2A | BW 40 MHz |5270 MHz| Fixed Channel| Power:+11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.24_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5310 MHz-+11dBm

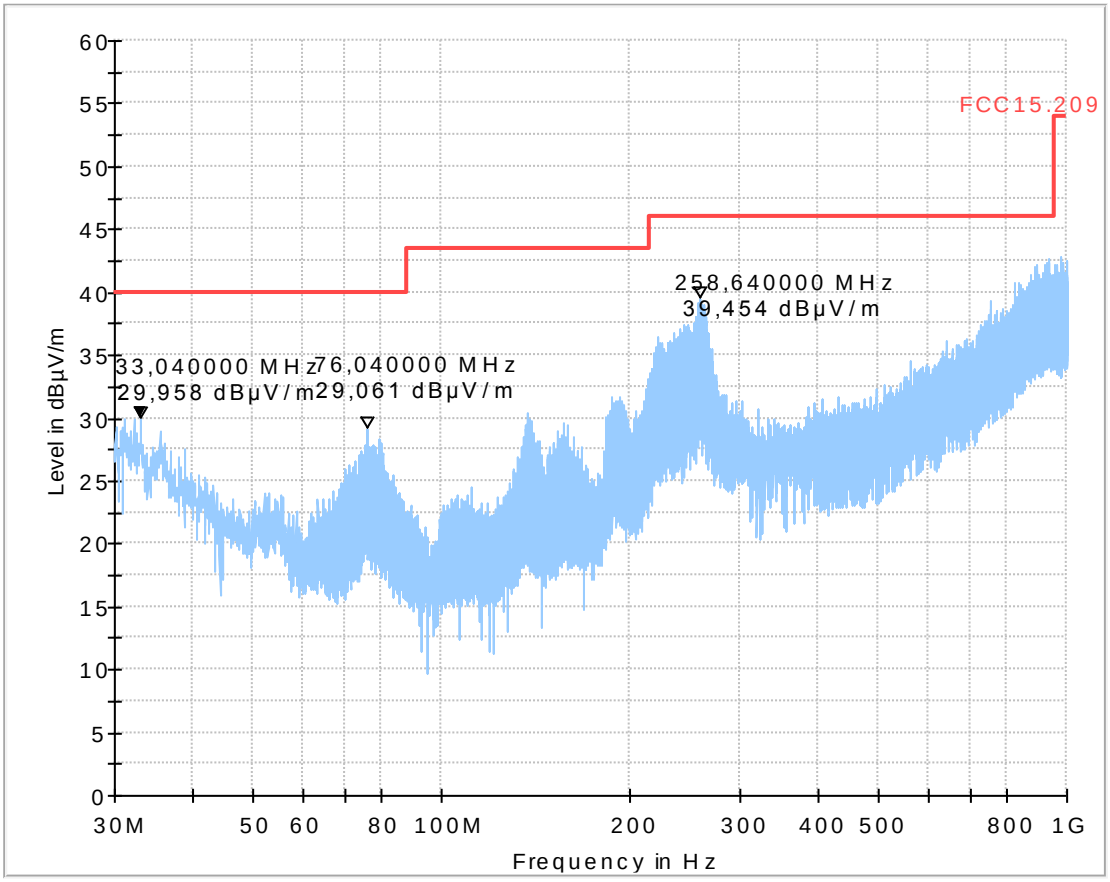
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	APh
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2A | BW 40 MHz |5310 MHz| Fixed Channel| Power : +11dBm

EUT EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.25_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5510 MHz-+11dBm

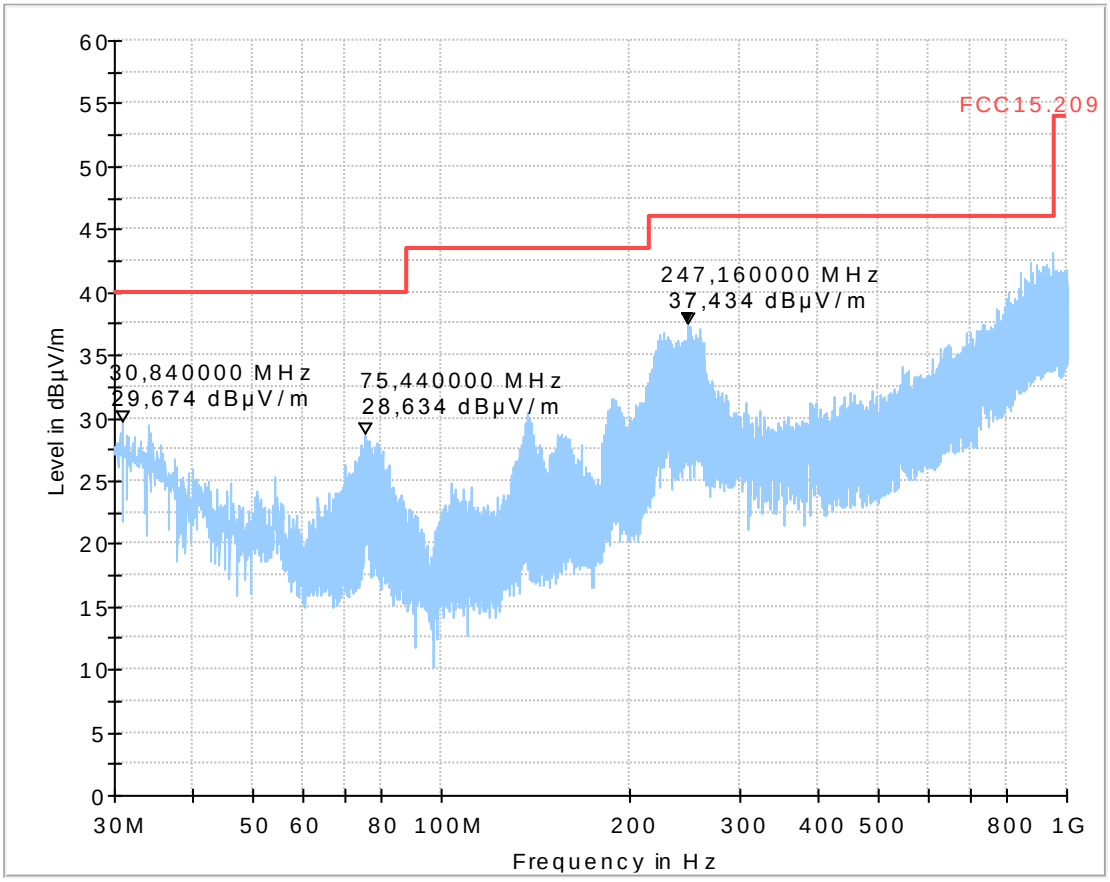
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2C | BW 40 MHz |5510 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.26_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5590 MHz-+11dBm

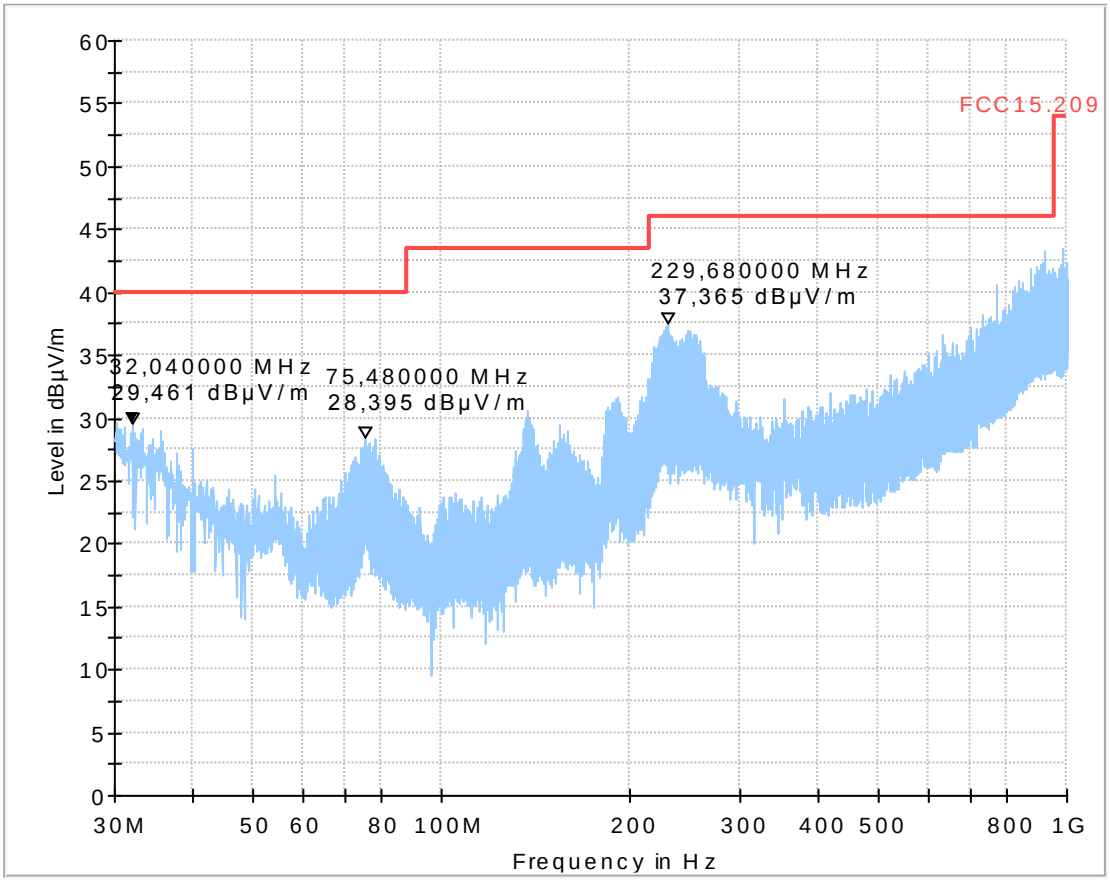
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2C | BW 40 MHz |5590 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.27_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5670 MHz-+11dBm

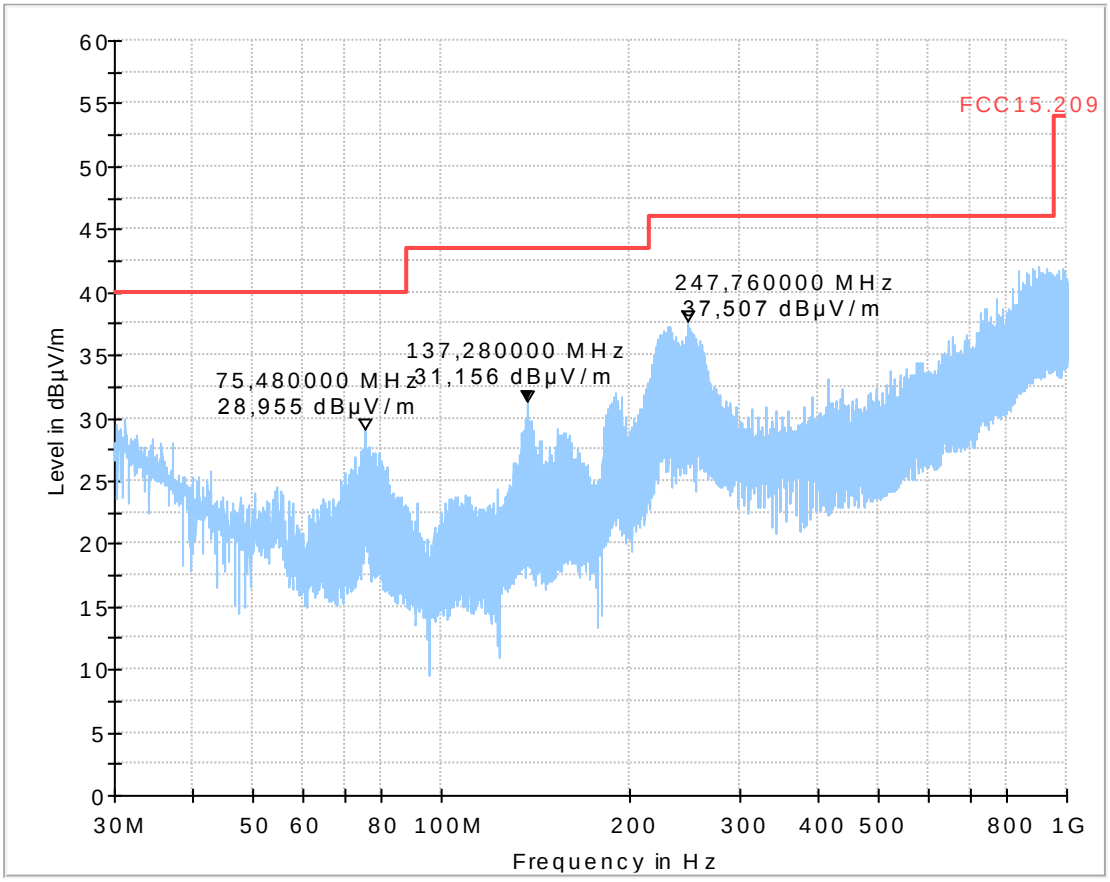
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel+Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.28_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5755 MHz-+11dBm

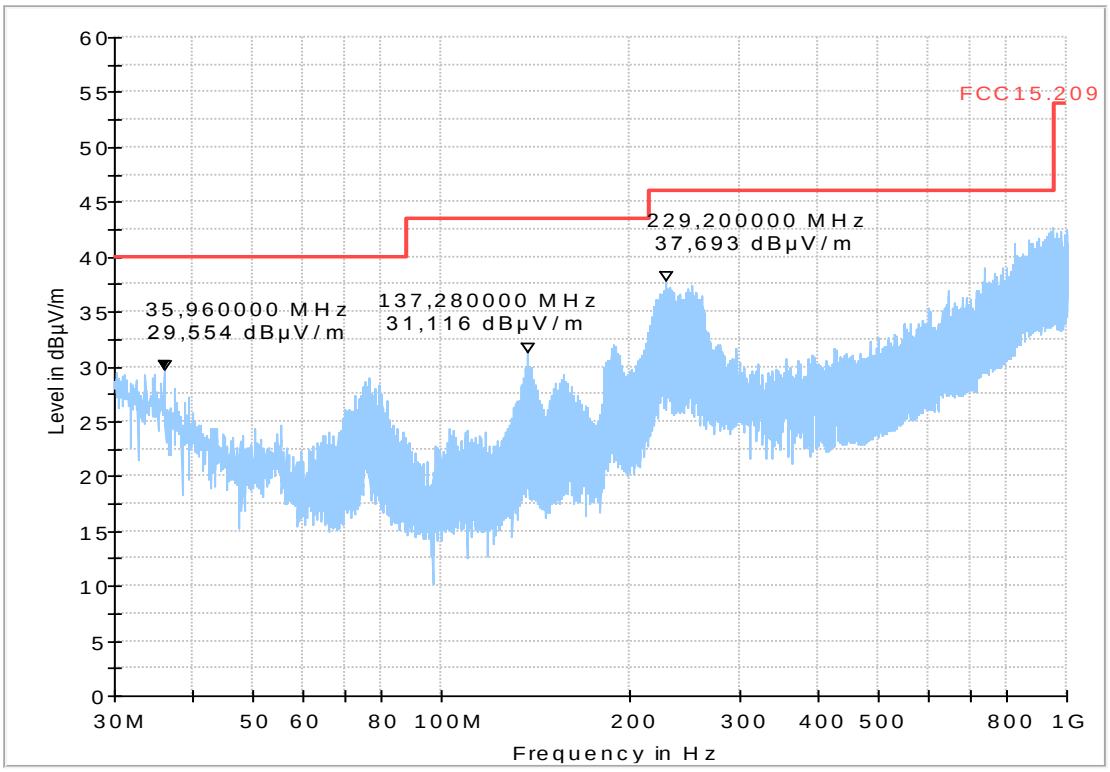
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-3 | BW 40 MHz |5755 MHz| Fixed Chanel Power 11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.29_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5795 MHz-+11dBm

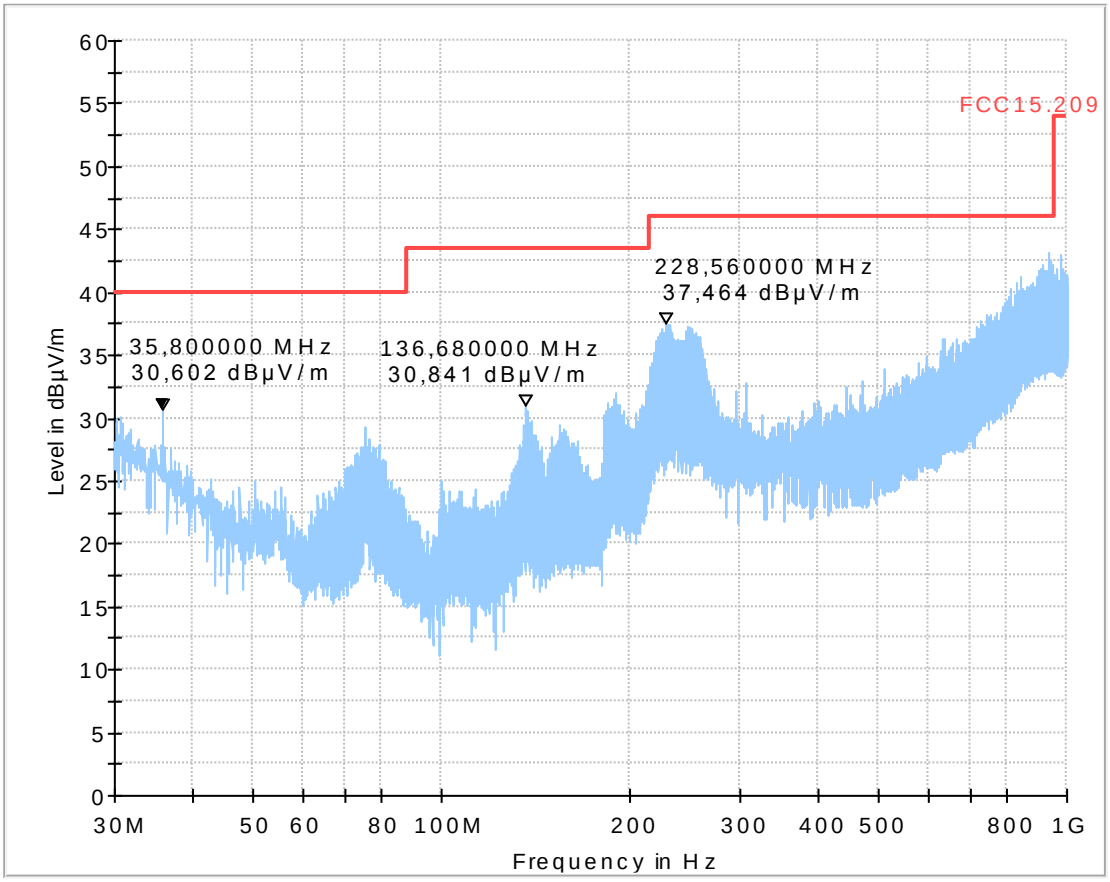
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	TX-Continuous VLMRX58G + INTEL FA5 ANTENNA U-NII-3 | BW 40 MHz |5795 MHz| Fixed Chanel |Power +11dBm

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160616
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



2.3. Radiated Field Strength Emissions – 1 GHz to 7 GHz
4.21_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5190 MHz-+11dBm

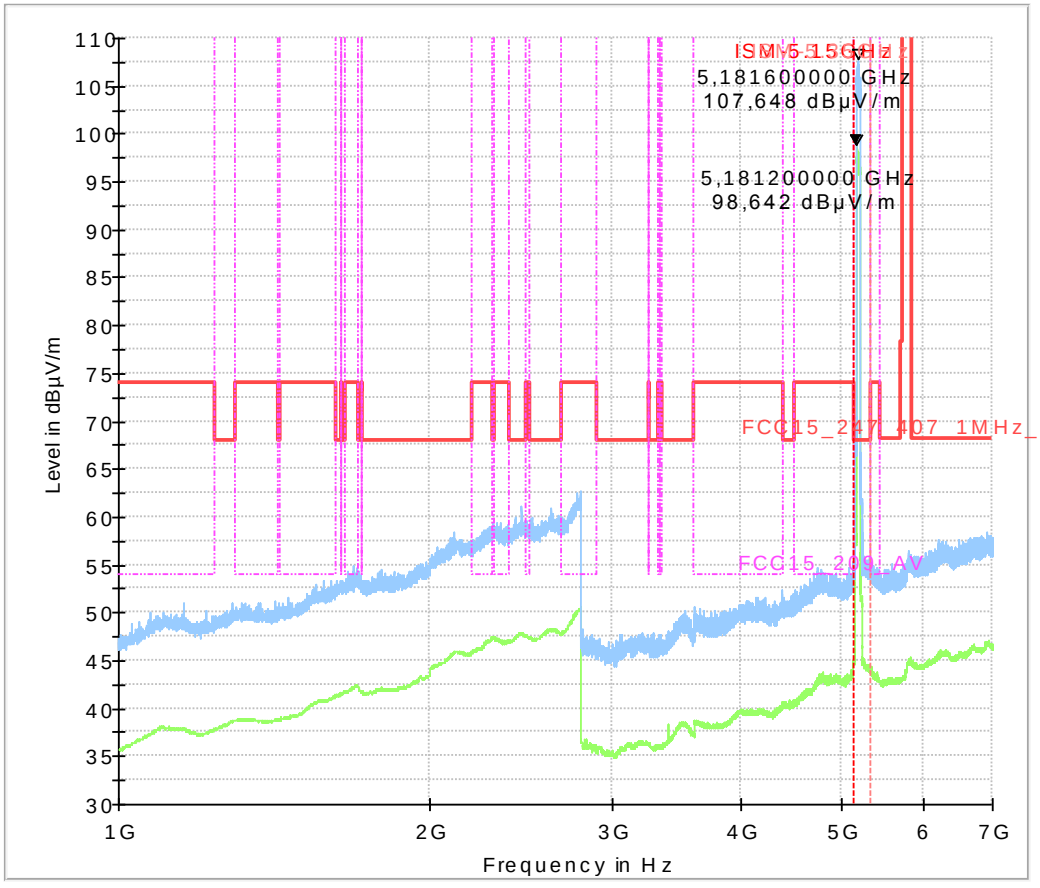
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5190 MHz| Fixed Chanel |Power : +11dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.22_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5230 MHz-+11dBm

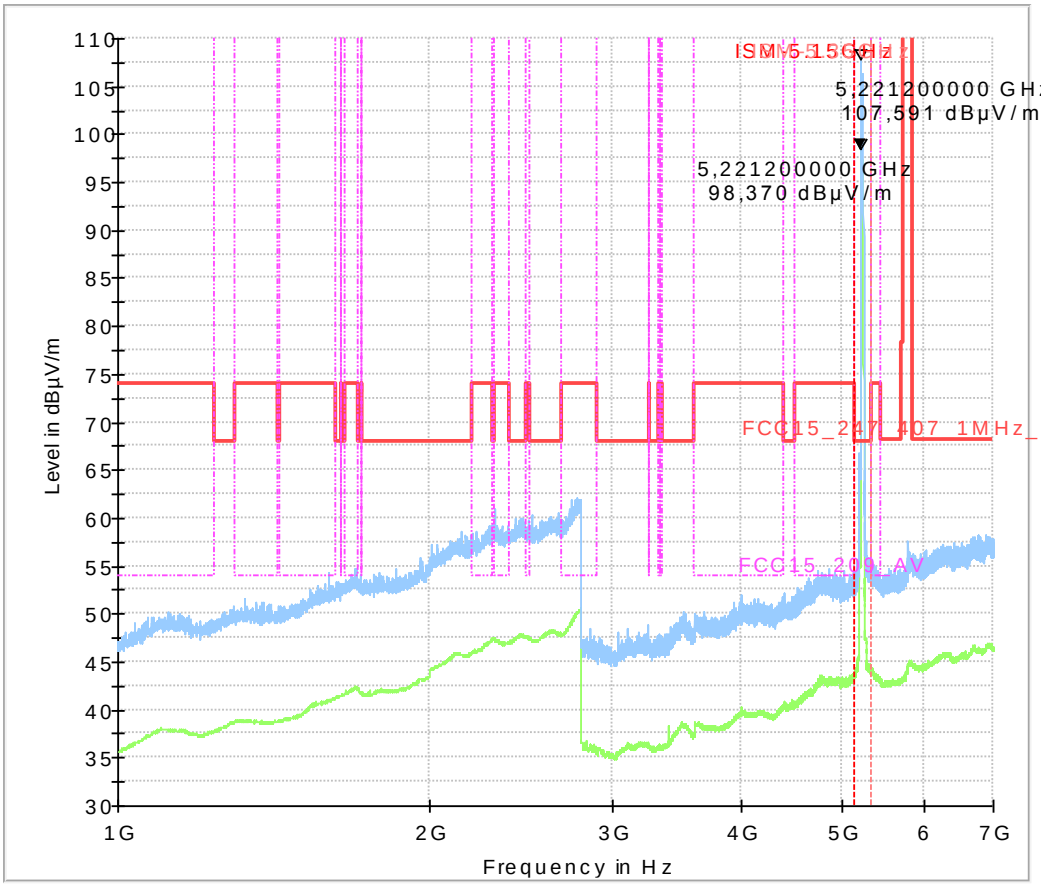
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5230 MHz| Fixed Chanel|Power : +11dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.23_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5270 MHz-+11dBm

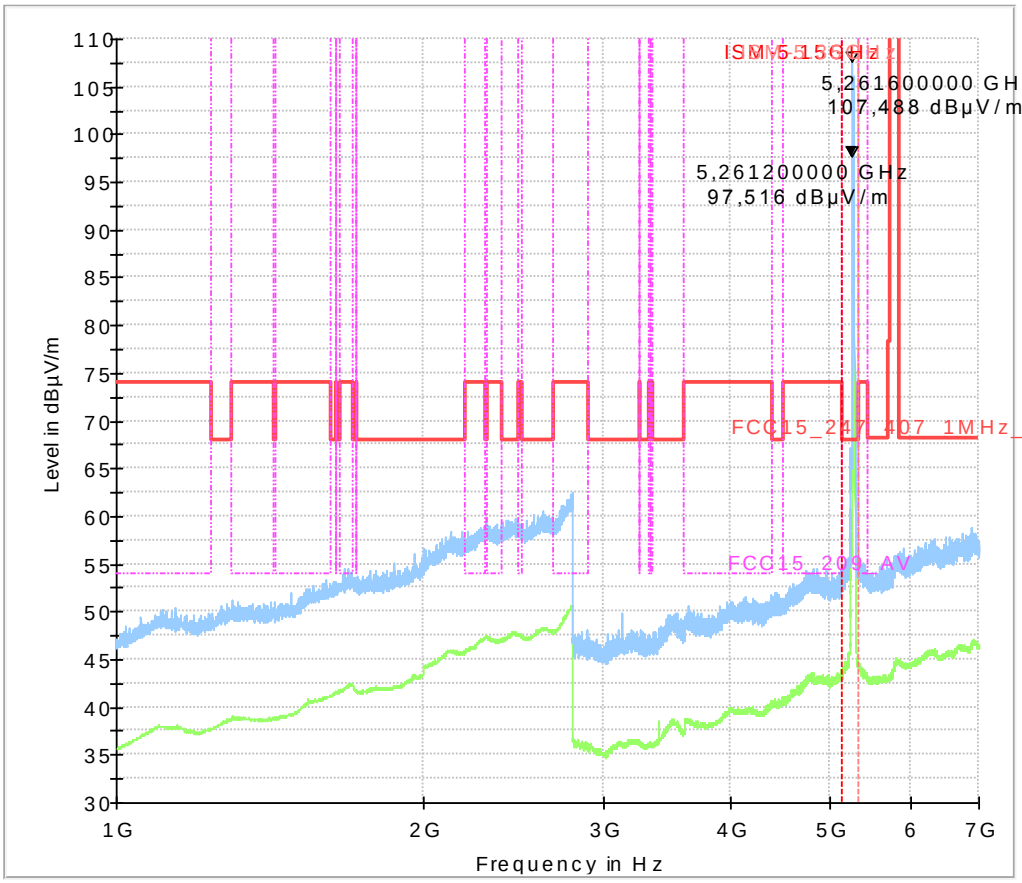
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous U-NII-2A | BW 40 MHz |5270 MHz| Fixed Chanel Power : +11dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.24_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5310 MHz-+11dBm

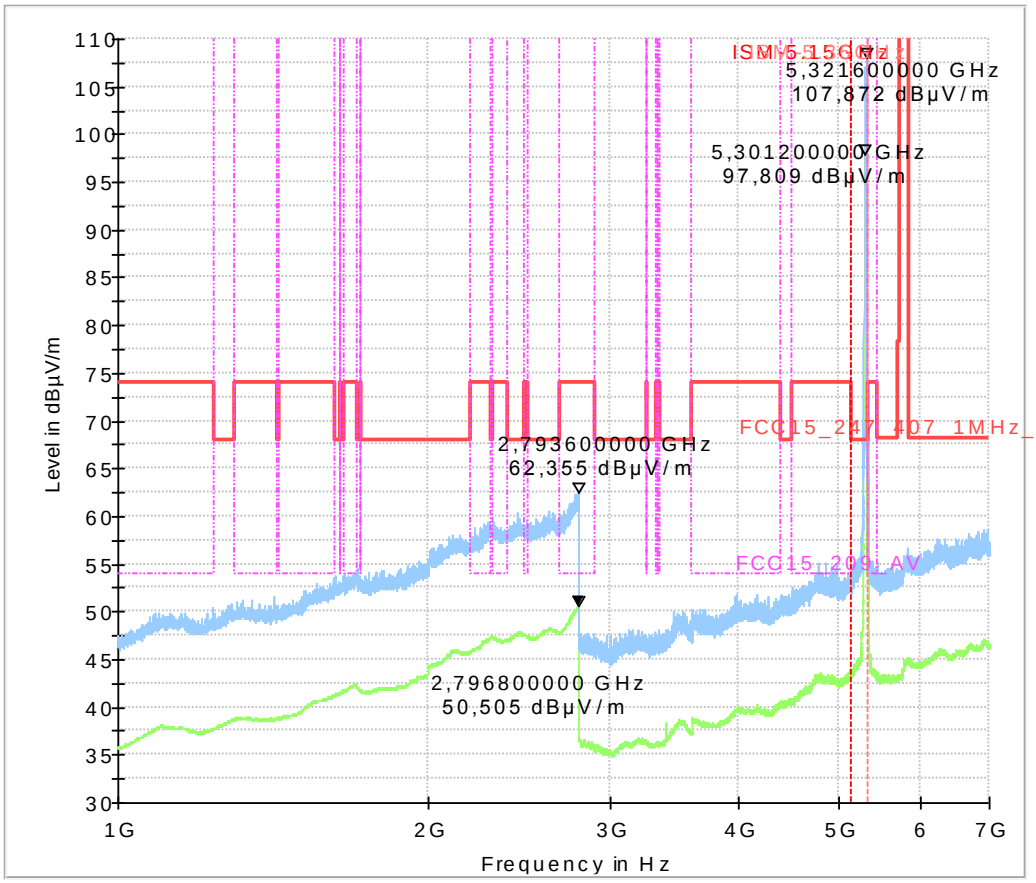
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous U-NII-2A | BW 40 MHz |5310 MHz| Fixed Channel| Power : +11dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.25_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5510 MHz-+11dBm

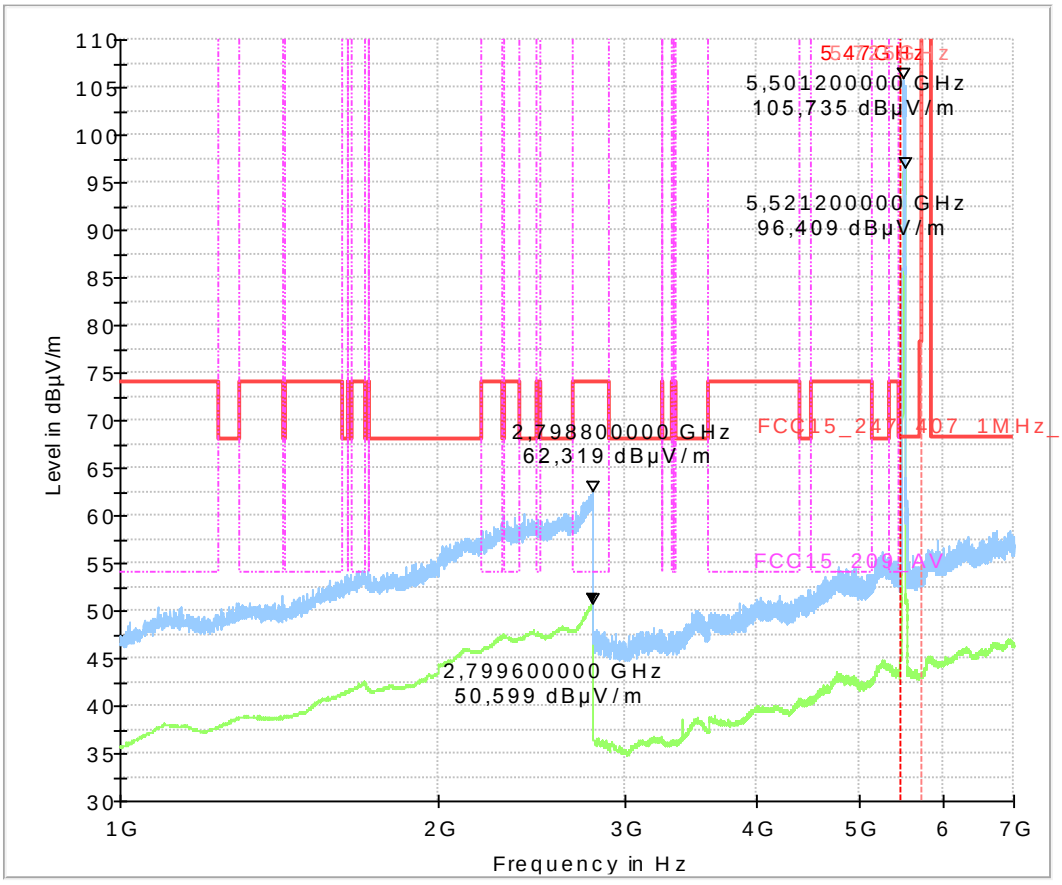
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5510 MHz| Fixed Channel| Power:+11dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.26_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5590 MHz-+11dBm

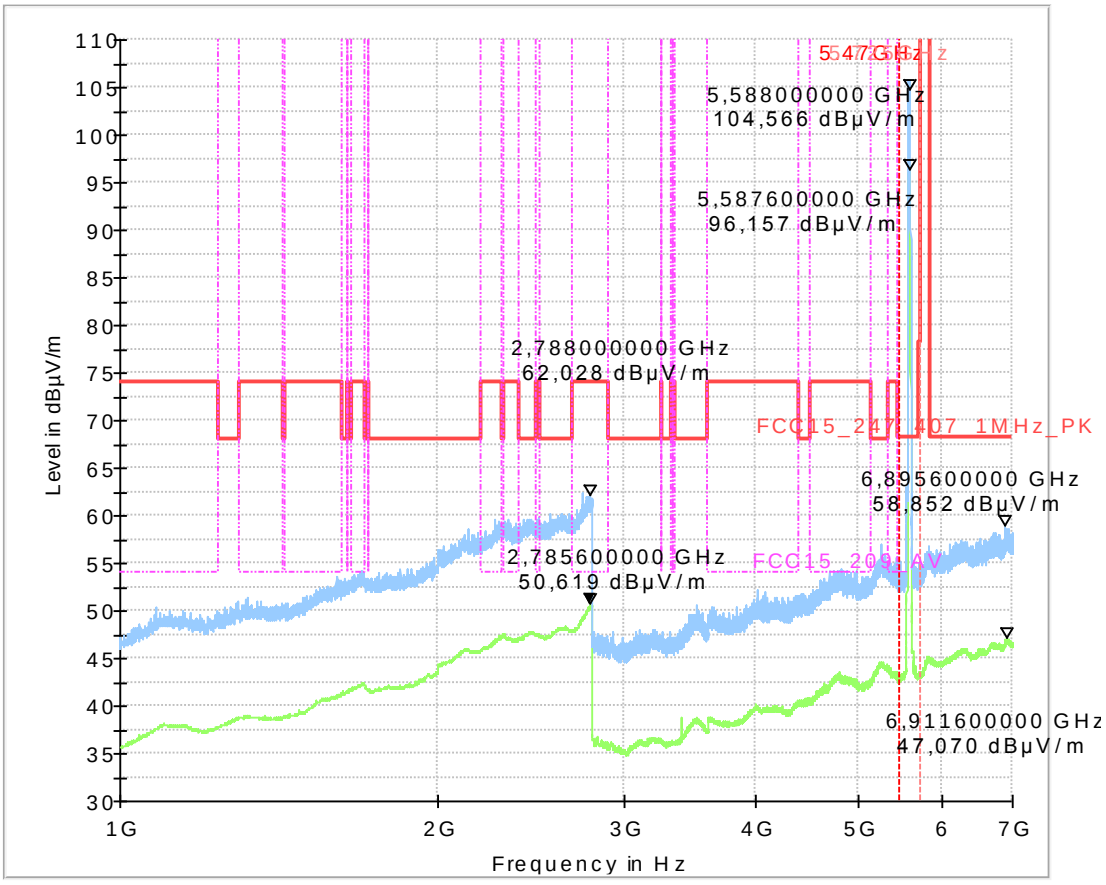
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5590 MHz| Fixed Channel| Power:+11dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.27_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5670 MHz-+11dBm 1-2.8 GHz

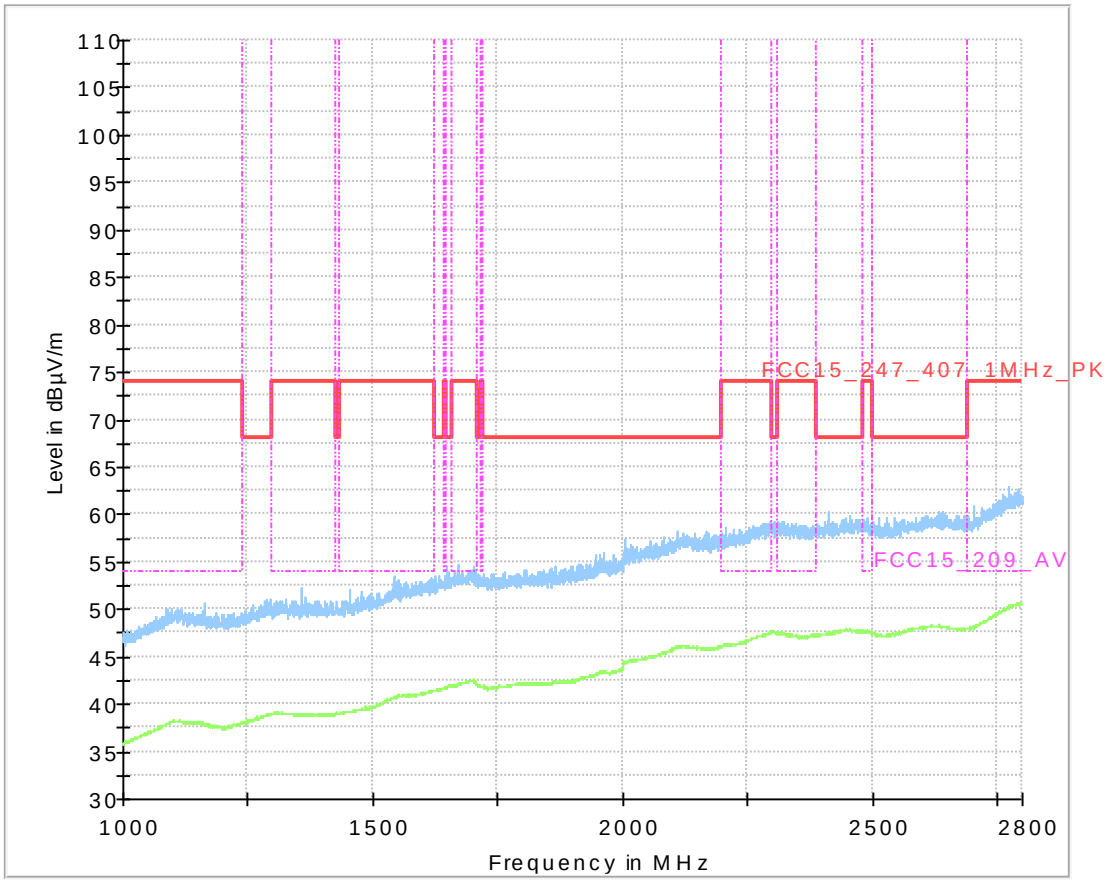
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel|Power:+11dBm
Operator Name:	Lor

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.27_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5670 MHz-+11dBm 2.8-7GHz

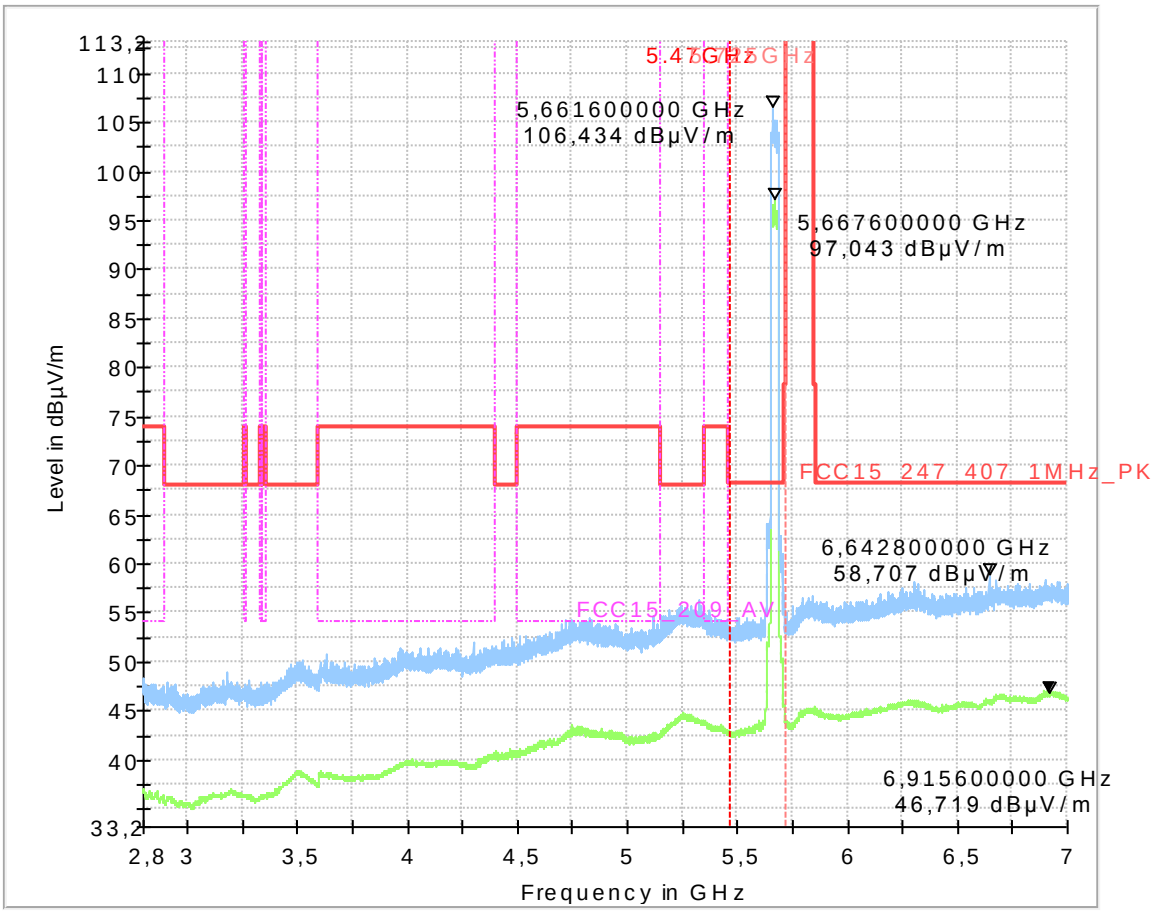
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel|Power:+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.28_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5755 MHz-+11dBm 1-2.8GHz

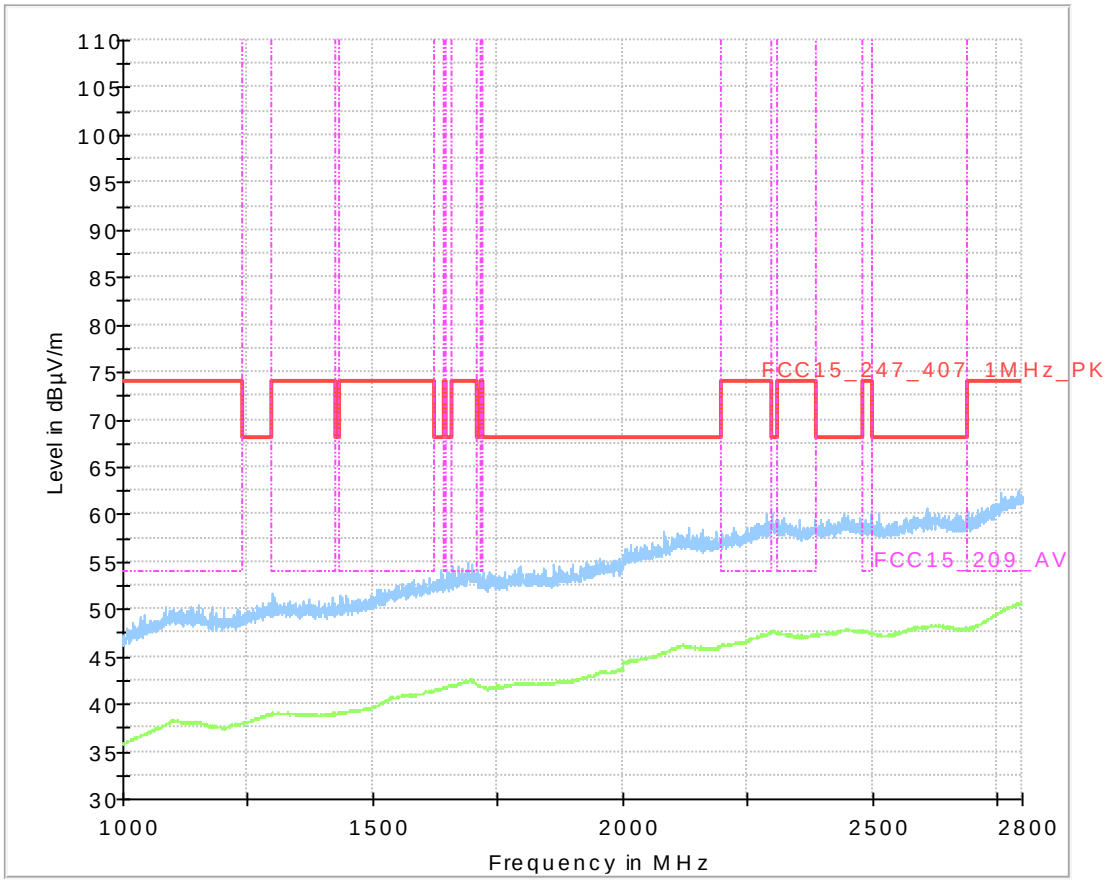
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5755 MHz| Fixed Chanel | Power:+11dBm
Operator Name:	Lor

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.28_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5755 MHz-+11dBm 2.8-7GHz

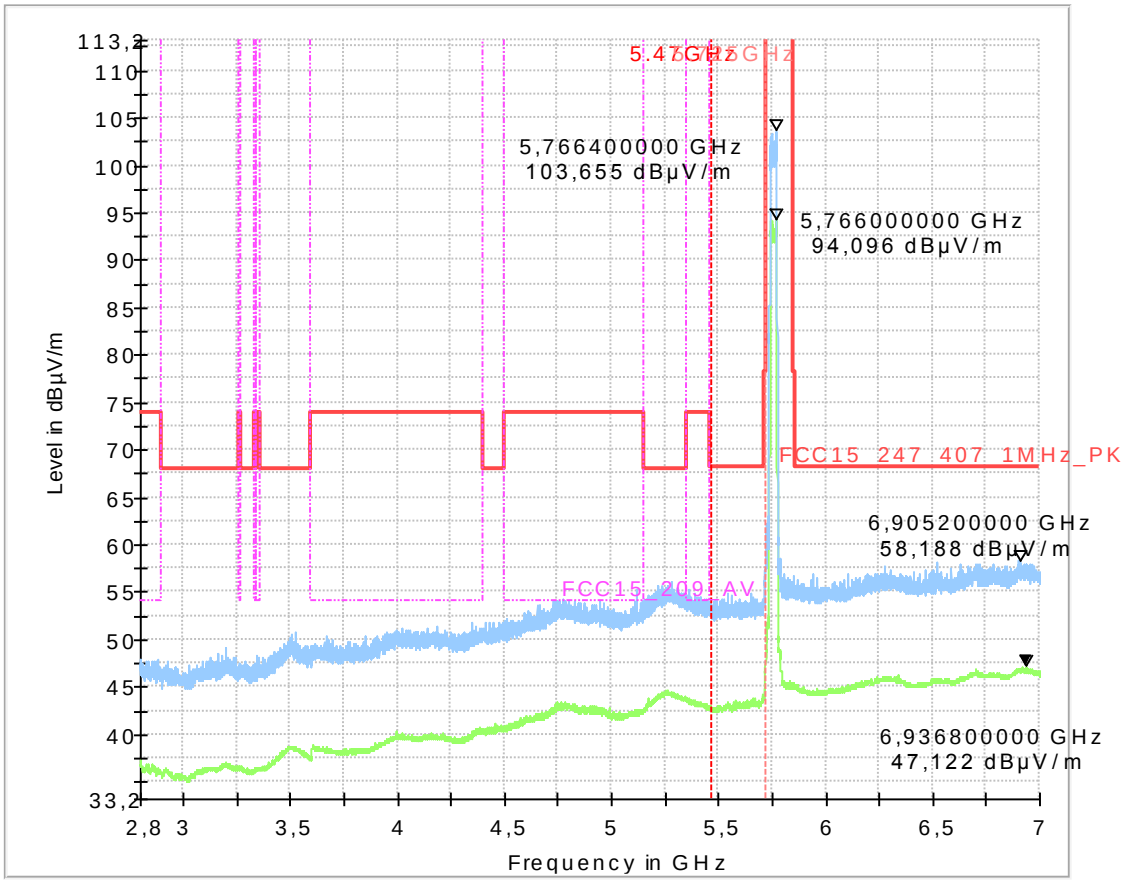
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5755 MHz| Fixed Channel | Power:+11dBm
Operator Name:	APh

EUT EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.29_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5795 MHz-+11dBm 1-2.8 GHz

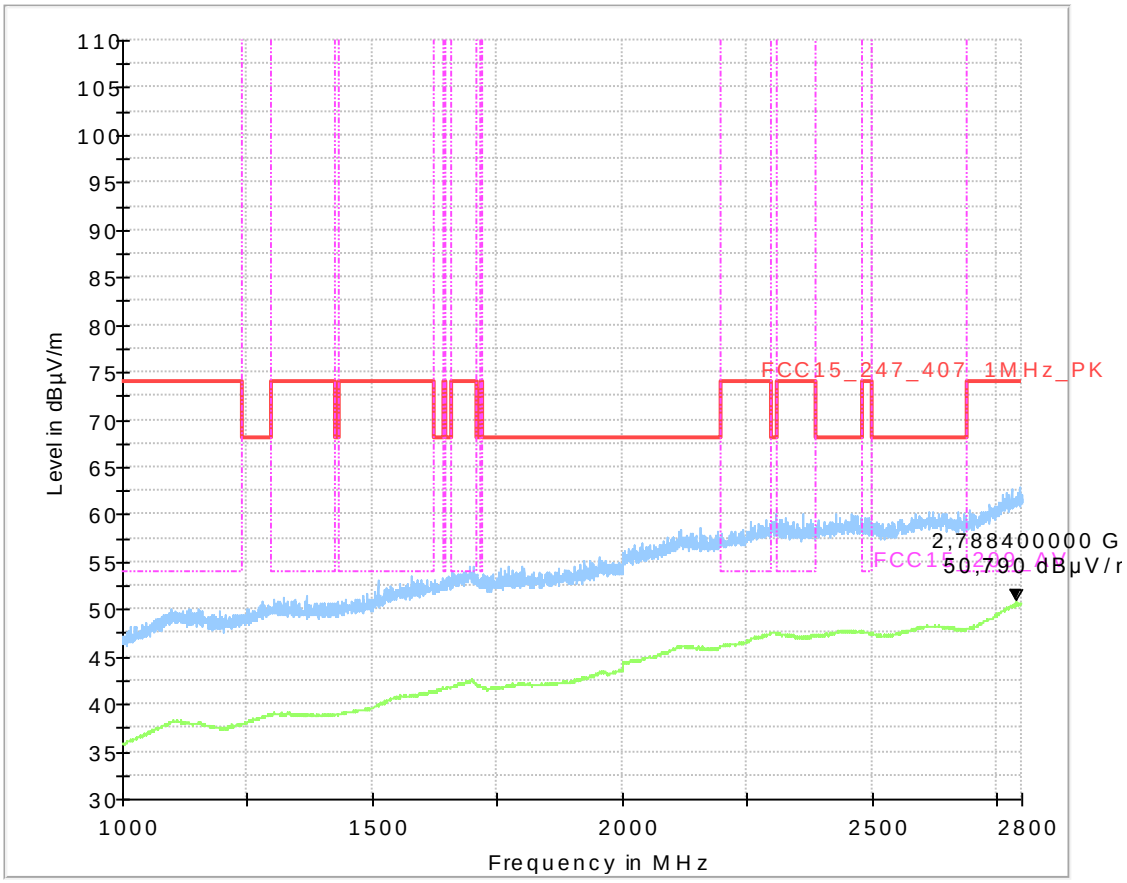
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5795 MHz| Fixed Chanel | Power:+11dBm
Operator Name:	Lor
Comment:	Channel no. 5795MHz

EUT EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.29_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5795 MHz-+11dBm 2.8-7GHz

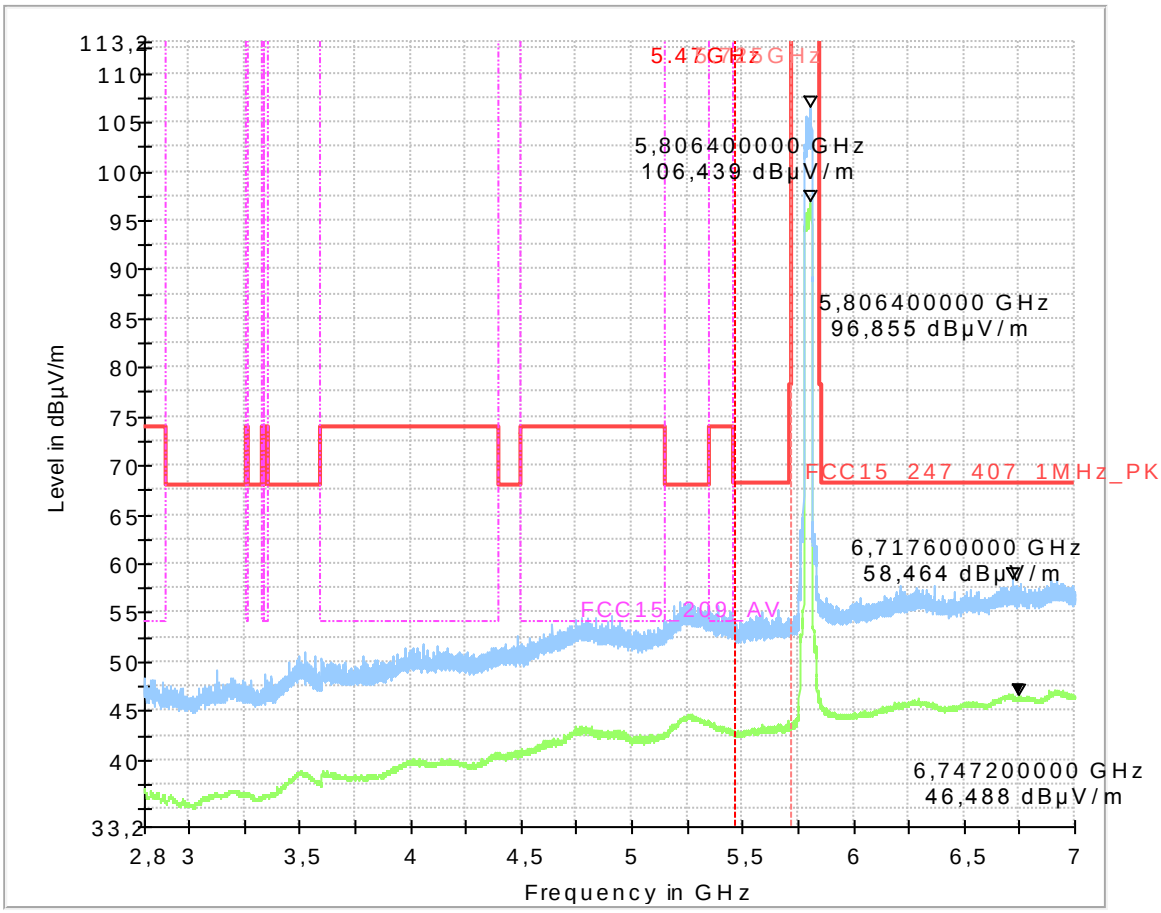
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5795 MHz| Fixed Chanel | Power:+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



2.4. Radiated Field Strength Emissions – 7 GHz to 18 GHz

4.21a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5190 MHz-+11dBm

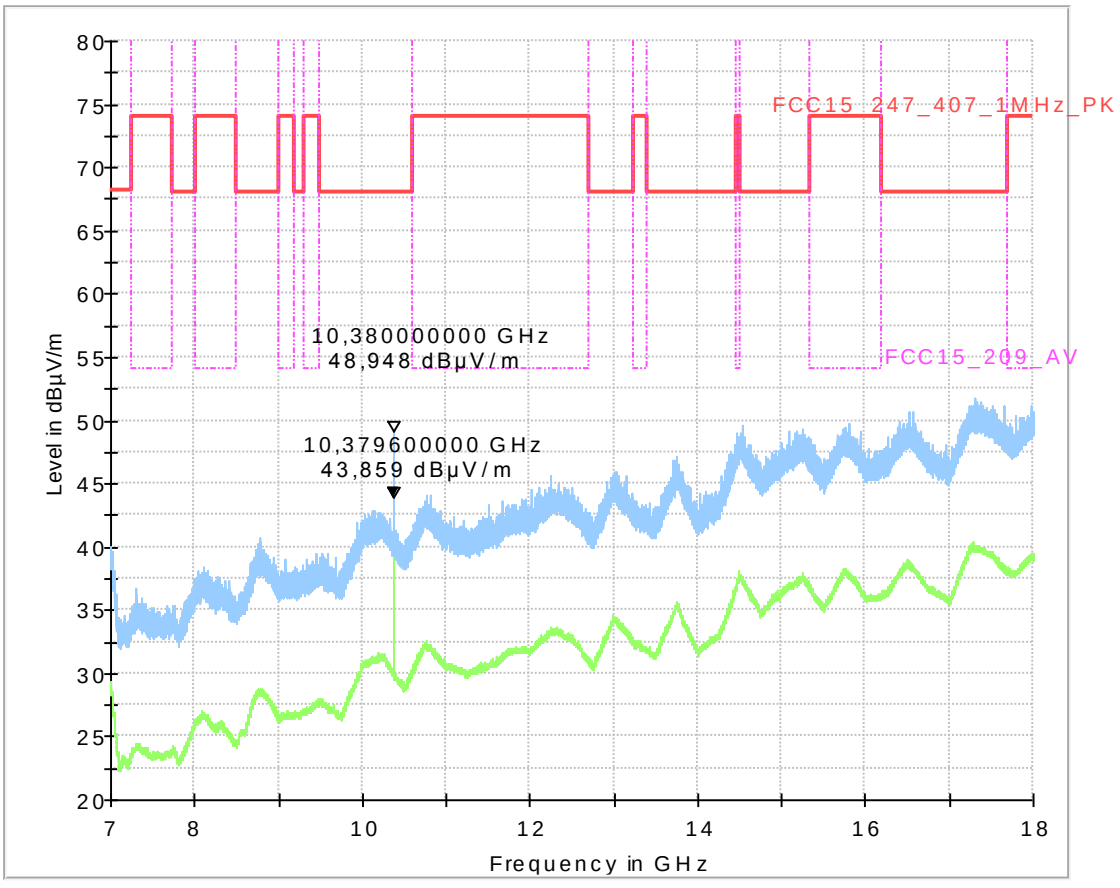
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5190 MHz| Fixed Chanel
Operator Name:	Lor

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.22a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5230 MHz-+11dBm

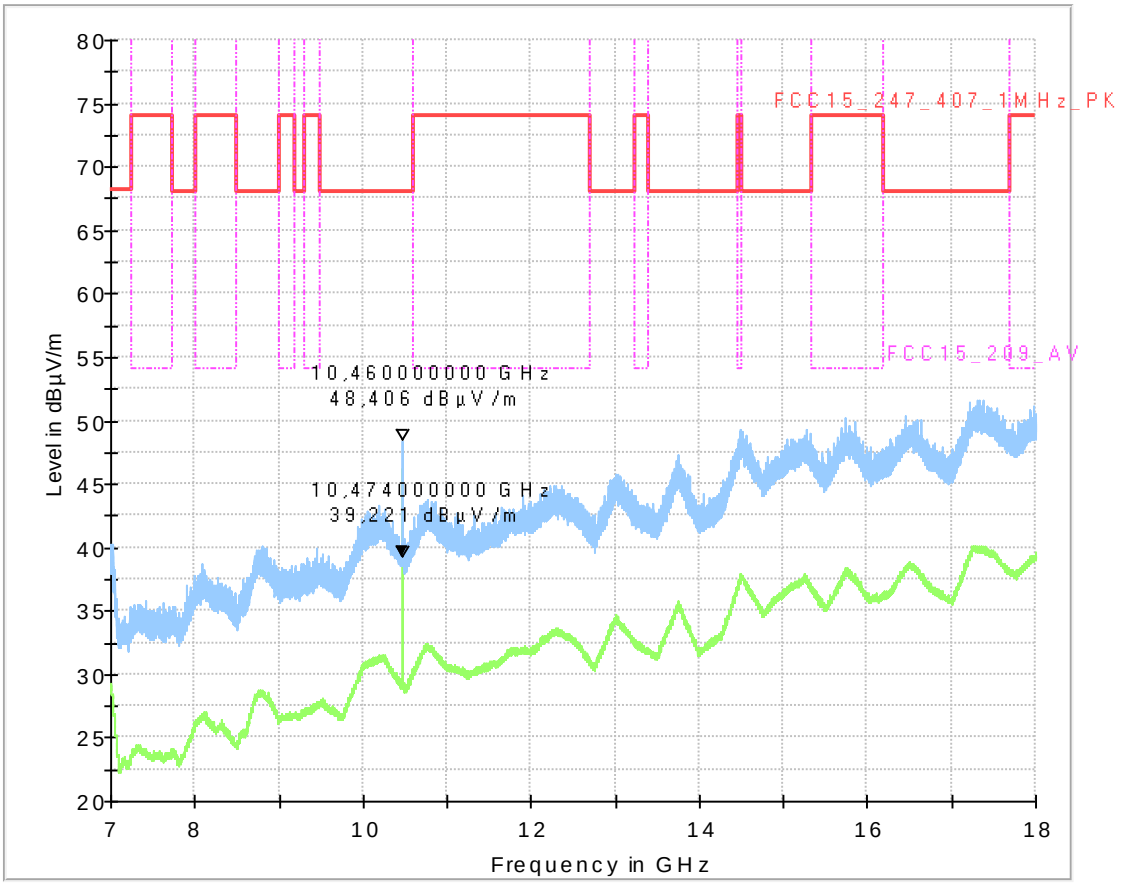
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5230 MHz| Fixed Chanel
Operator Name:	Mnu/Ach

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



4.23a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5270 MHz-+11dBm

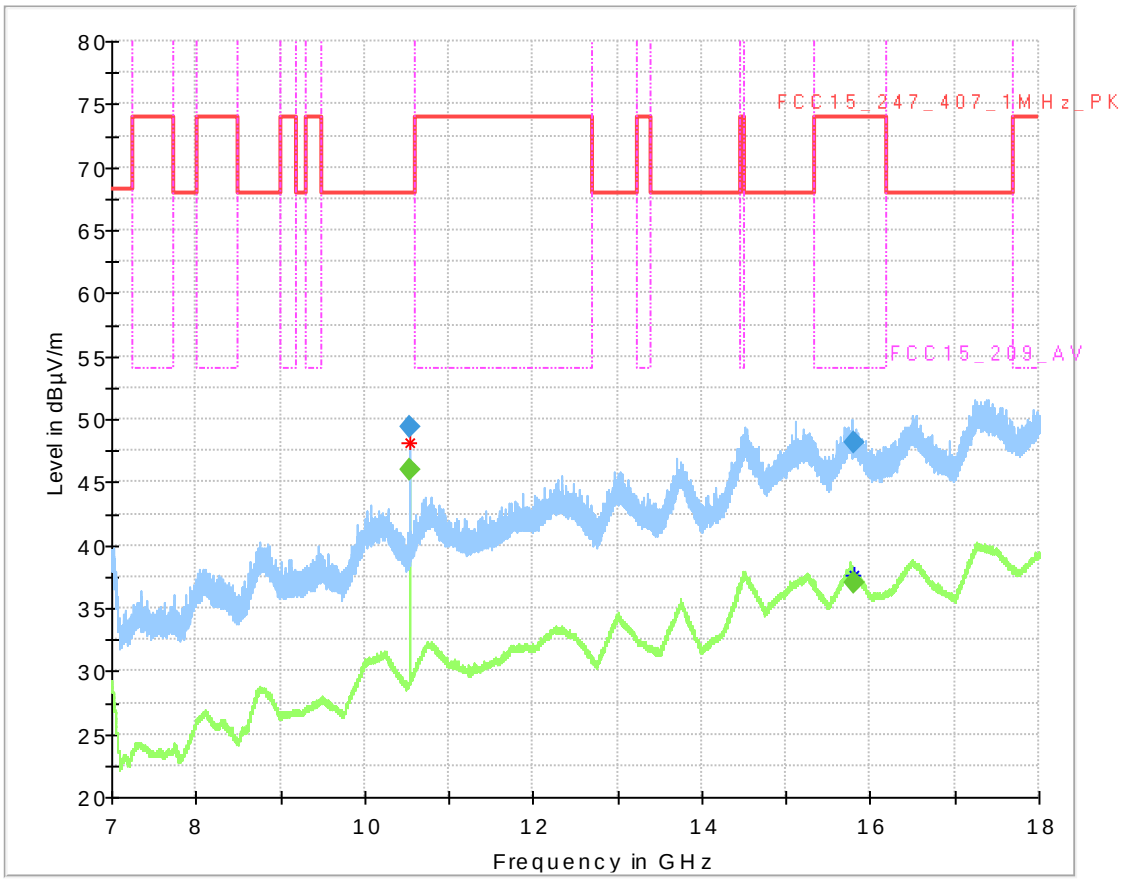
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2A | BW 40 MHz |5270 MHz| Fixed Chanel
Operator Name:	AFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
10539.800000	---	45.98	150.00	104.02	100.0	1000.000	155.0	H	114.0
10539.800000	49.36	---	68.00	18.64	100.0	1000.000	155.0	H	120.0
15803.400000	48.19	---	74.00	25.81	100.0	1000.000	155.0	V	121.0
15813.400000	---	37.05	54.00	16.95	100.0	1000.000	155.0	V	45.0

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Elevation (deg)	Corr. (dB)
10539.800000	0.0	4.5
10539.800000	0.0	4.5
15803.400000	90.0	12.2
15813.400000	0.0	12.2

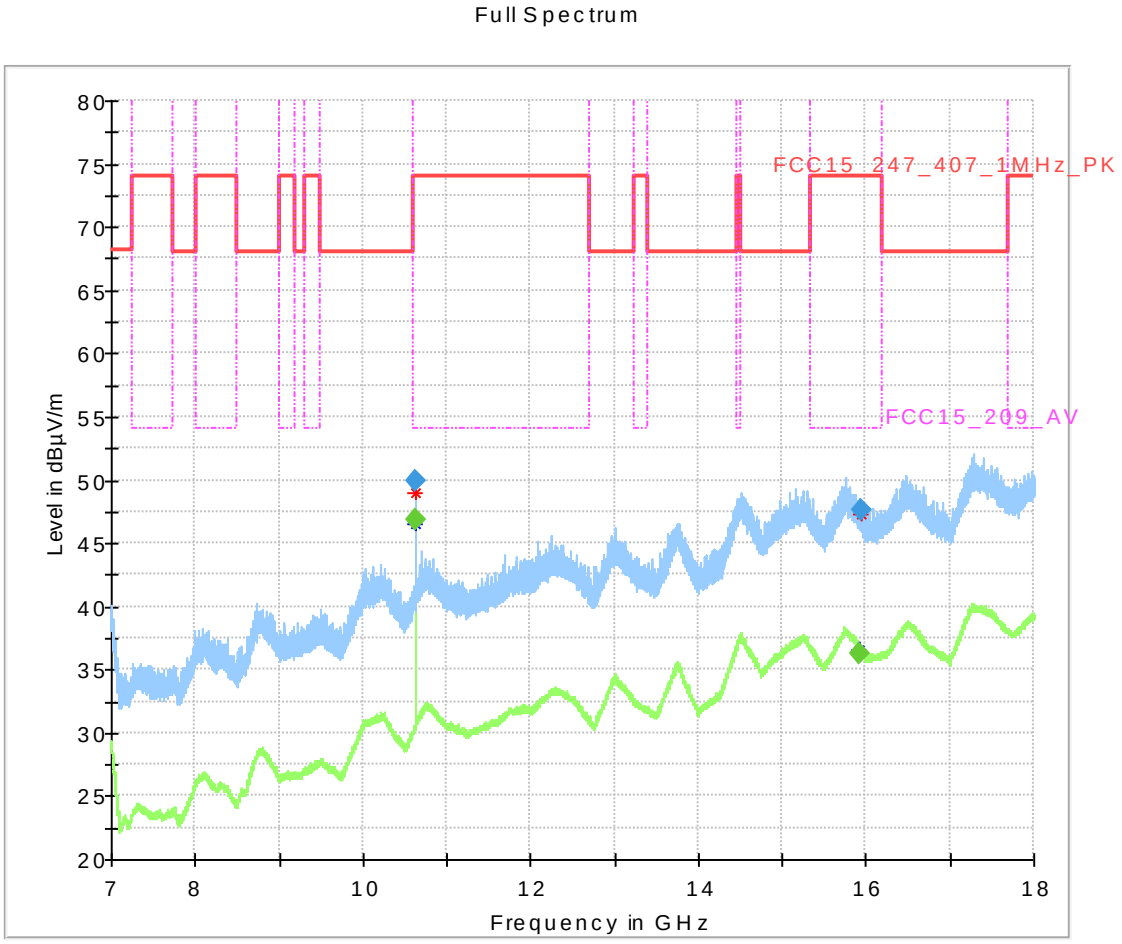
4.24a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5310 MHz-+11dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2A | BW 40 MHz |5310 MHz| Fixed Chanel
Operator Name:	AFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
10619.800000	---	46.87	54.00	7.13	100.0	1000.000	155.0	H	117.0
10619.800000	49.96	---	74.00	24.04	100.0	1000.000	155.0	H	113.0
15909.400000	---	36.28	54.00	17.72	100.0	1000.000	155.0	H	130.0
15944.200000	47.68	---	74.00	26.32	100.0	1000.000	155.0	V	336.0

Frequency (MHz)	Elevation (deg)	Corr. (dB)
10619.800000	0.0	5.7
10619.800000	0.0	5.7
15909.400000	0.0	11.4
15944.200000	90.0	11.1

4.25a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5510 MHz-+11dBm

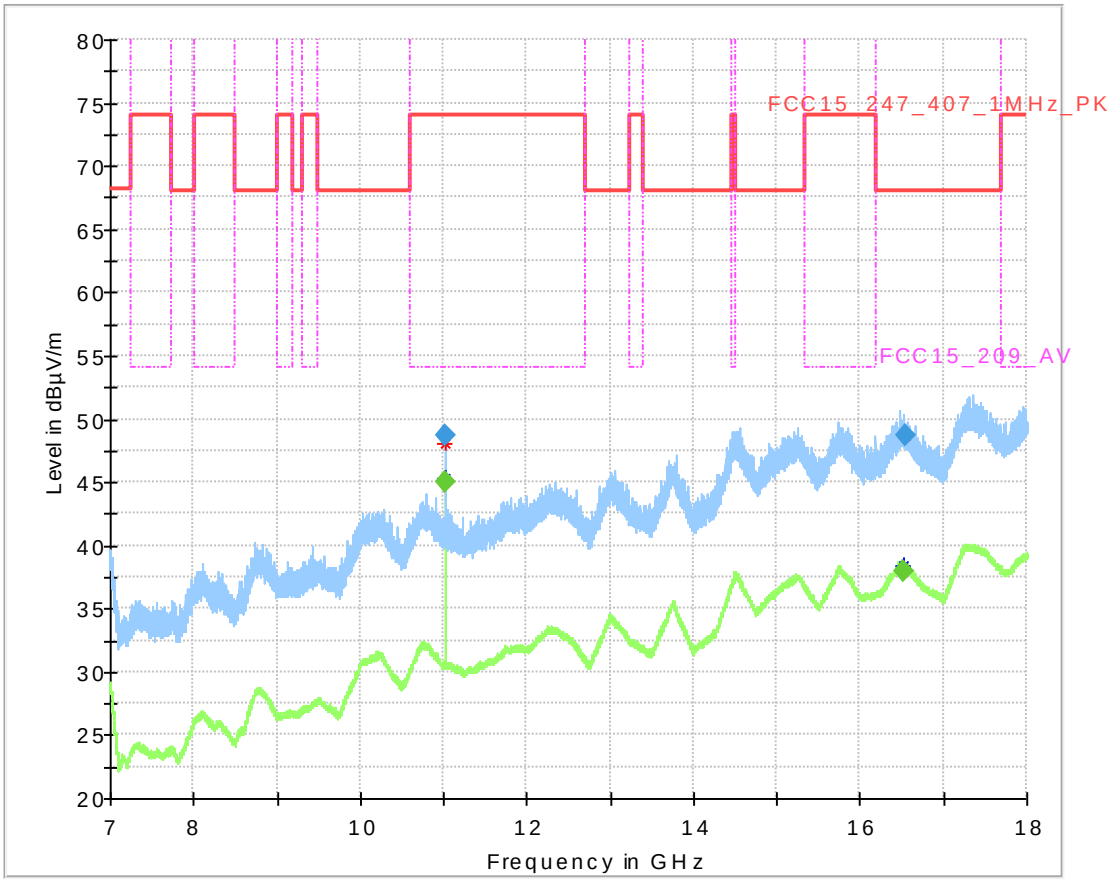
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5510 MHz| Fixed Chanel
Operator Name:	AFr

Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11019.800000	---	44.95	54.00	9.05	100.0	1000.000	155.0	H	121.0
11019.800000	48.77	---	74.00	25.23	100.0	1000.000	155.0	H	118.0
16529.400000	---	37.90	150.00	112.10	100.0	1000.000	155.0	V	307.0
16535.000000	48.75	---	68.00	19.25	100.0	1000.000	155.0	V	213.0

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Elevation (deg)	Corr. (dB)
11019.800000	0.0	5.5
11019.800000	0.0	5.5
16529.400000	90.0	13.0
16535.000000	90.0	13.0

4.26a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5590 MHz-+11dBm

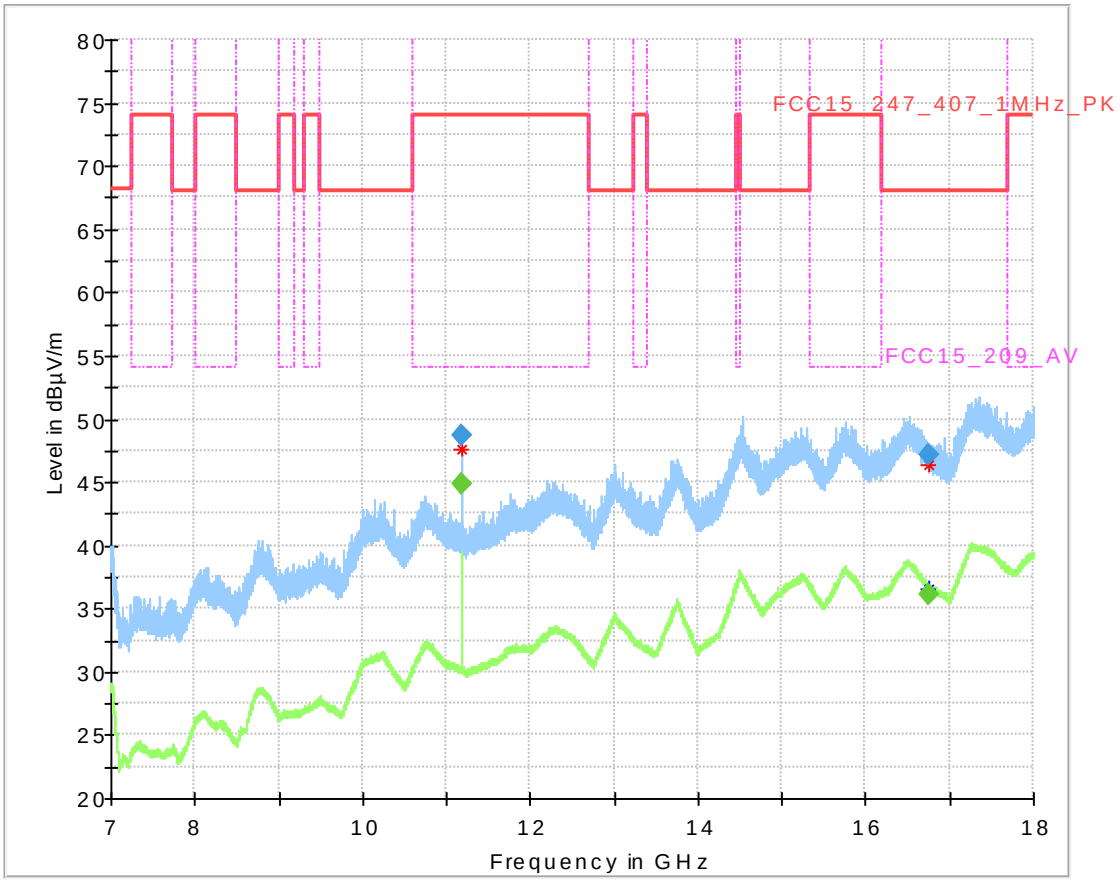
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5590 MHz| Fixed Chanel
Operator Name:	AFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11179.800000	---	44.87	54.00	9.13	100.0	1000.000	155.0	H	120.0
11179.800000	48.65	---	74.00	25.35	100.0	1000.000	155.0	H	120.0
16753.400000	47.23	---	68.00	20.77	100.0	1000.000	155.0	H	14.0
16756.200000	---	36.04	150.00	113.96	100.0	1000.000	155.0	V	64.0

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Elevation (deg)	Corr. (dB)
11179.800000	0.0	5.0
11179.800000	0.0	5.0
16753.400000	0.0	11.4
16756.200000	0.0	11.4

4.27a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5670 MHz-+11dBm

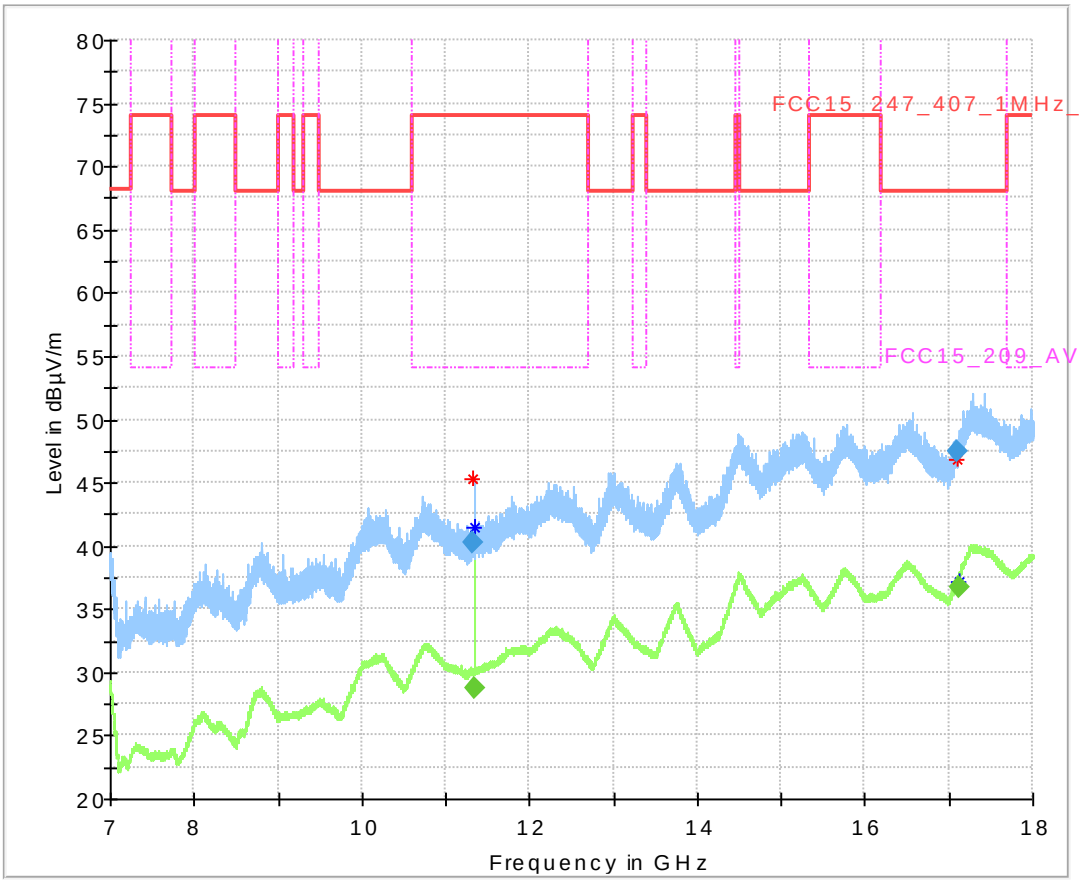
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel
Operator Name:	AFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11330.600000	40.20	---	74.00	33.80	100.0	1000.000	155.0	H	131.0
11336.200000	---	28.78	54.00	25.22	100.0	1000.000	155.0	H	112.0
17092.600000	47.54	---	68.00	20.46	100.0	1000.000	155.0	H	340.0
17117.800000	---	36.74	150.00	113.26	100.0	1000.000	155.0	H	67.0

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Elevation (deg)	Corr. (dB)
11330.600000	0.0	5.1
11336.200000	0.0	5.1
17092.600000	0.0	11.8
17117.800000	0.0	12.2

4.28a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5755 MHz-+11dBm

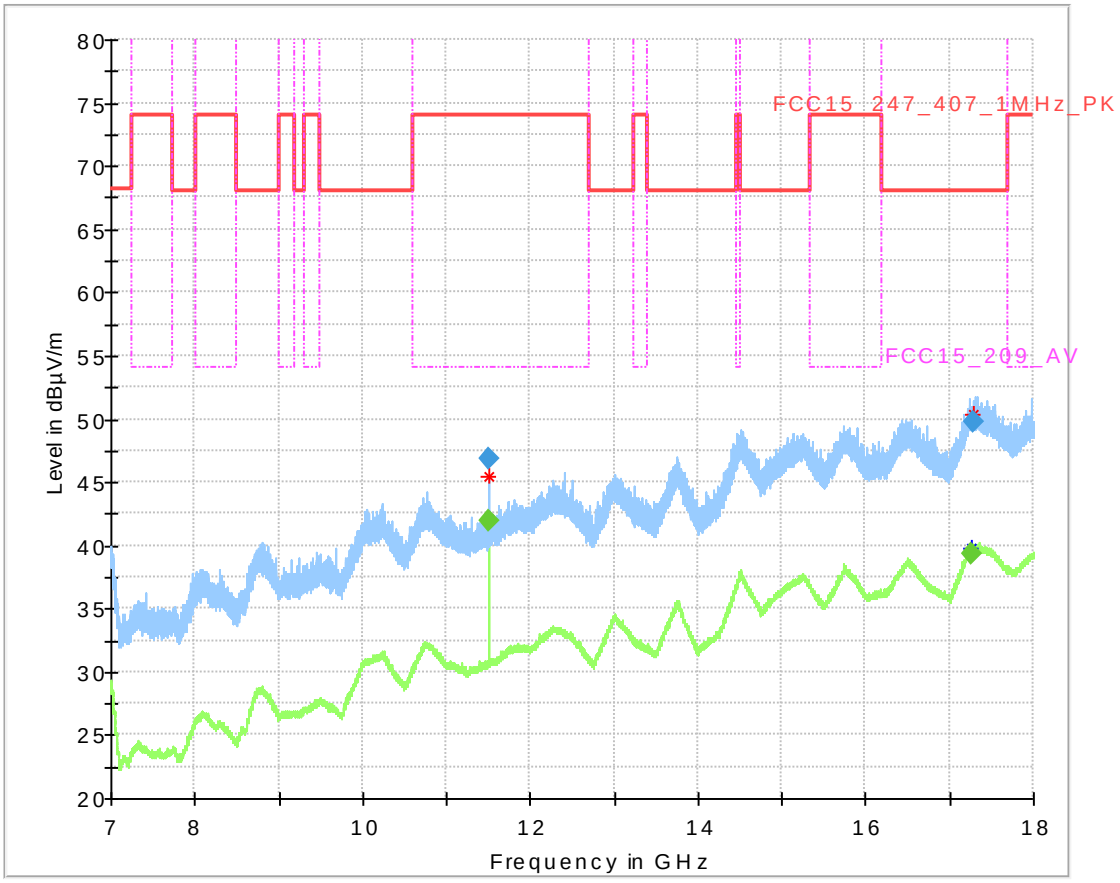
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5755 MHz| Fixed Chanel
Operator Name:	AFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11509.800000	---	41.88	54.00	12.12	100.0	1000.000	155.0	V	46.0
11509.800000	46.79	---	74.00	27.21	100.0	1000.000	155.0	V	45.0
17257.800000	---	39.31	150.00	110.69	100.0	1000.000	155.0	H	262.0
17275.800000	49.79	---	68.00	18.21	100.0	1000.000	155.0	H	38.0

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Elevation (deg)	Corr. (dB)
11509.800000	90.0	5.6
11509.800000	90.0	5.6
17257.800000	0.0	14.4
17275.800000	90.0	14.4

4.29a_ TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5795 MHz-+11dBm

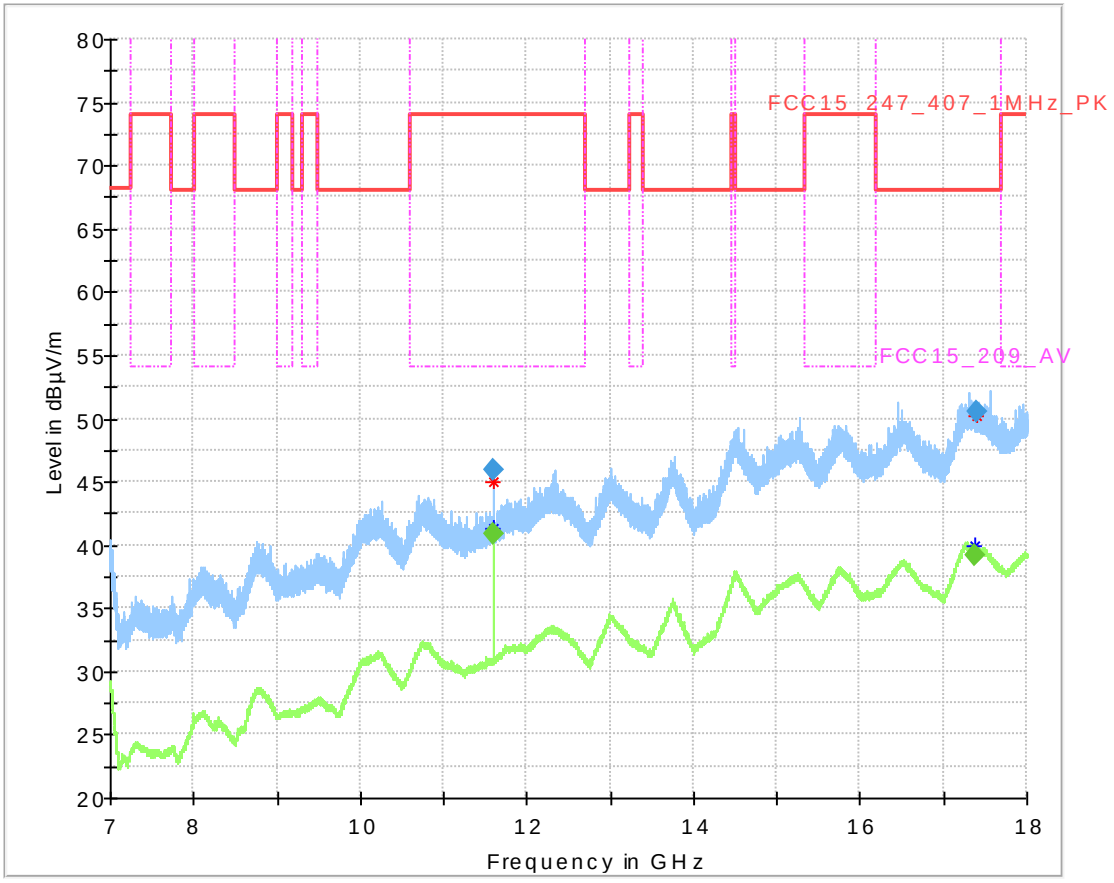
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5795 MHz| Fixed Chanel
Operator Name:	AFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
11589.800000	---	40.89	54.00	13.11	100.0	1000.000	155.0	V	45.0
11589.800000	45.93	---	74.00	28.07	100.0	1000.000	155.0	V	49.0
17372.600000	---	39.16	150.00	110.84	100.0	1000.000	155.0	V	237.0
17399.800000	50.54	---	68.00	17.46	100.0	1000.000	155.0	H	195.0

(continuation of the "Final_Result" table from column 15 ...)

Frequency (MHz)	Elevation (deg)	Corr. (dB)
11589.800000	90.0	5.9
11589.800000	90.0	5.9
17372.600000	0.0	14.2
17399.800000	90.0	14.2

2.5. Radiated Field Strength Emissions – 18 GHz to 40 GHz

4.21b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5190MHz+11dBm

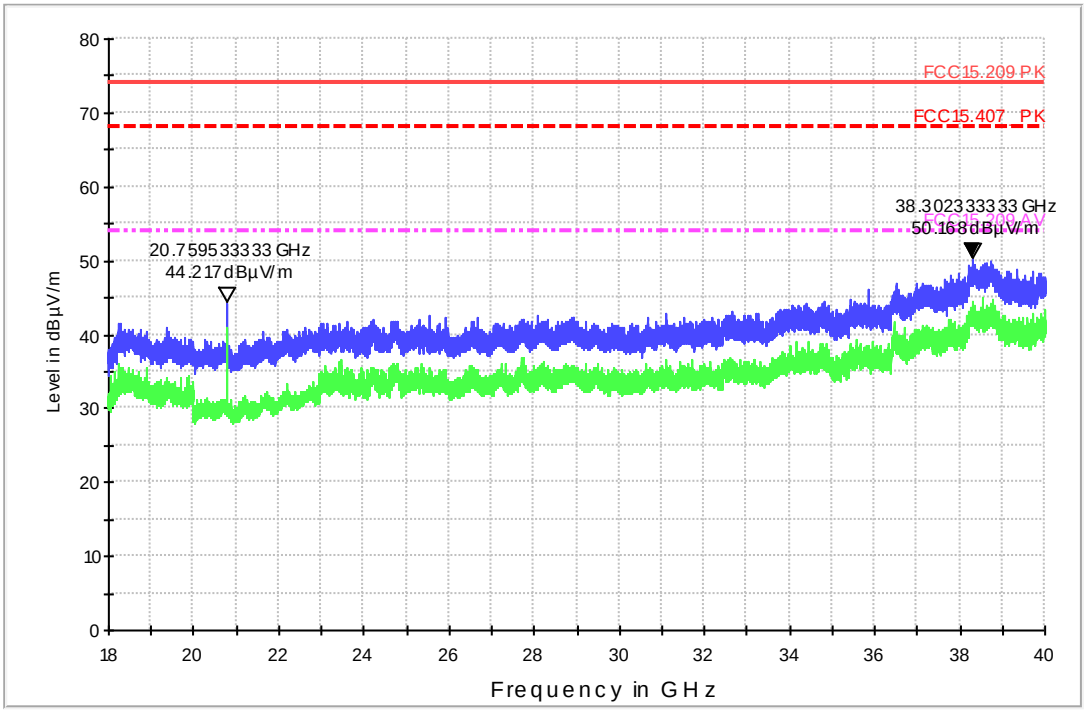
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5190 MHz| Fixed Chanel|Power : +11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.22b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5230MHz+11dBm

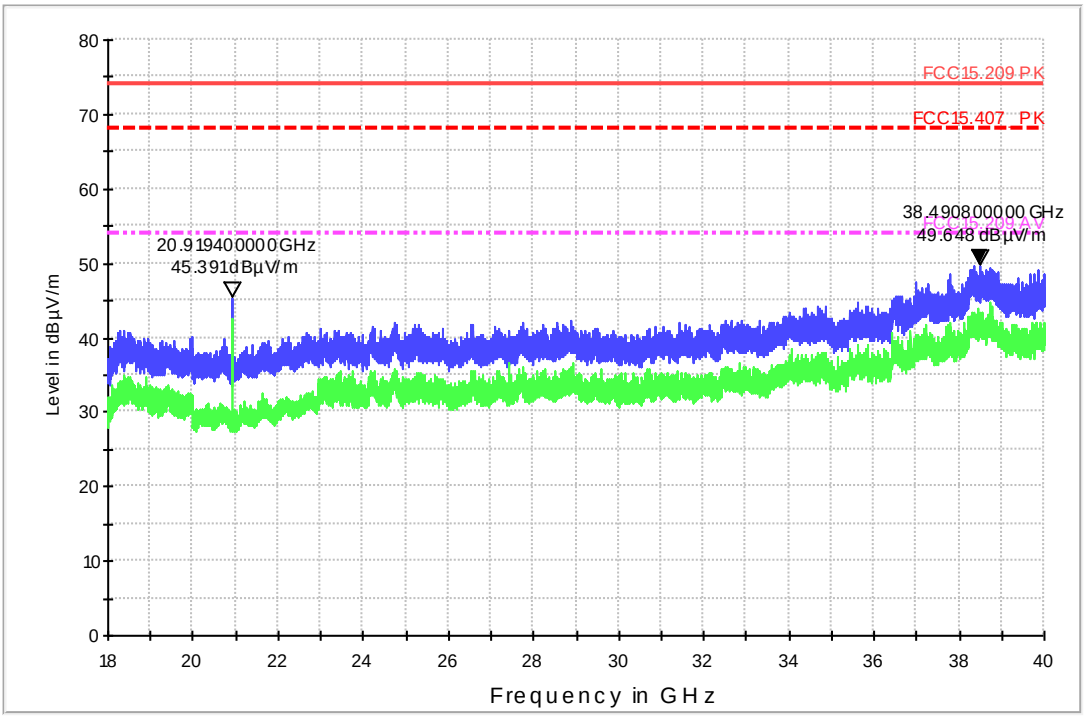
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5230 MHz| Fixed Chanel|Power : +11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.23b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5270MHz+11dBm

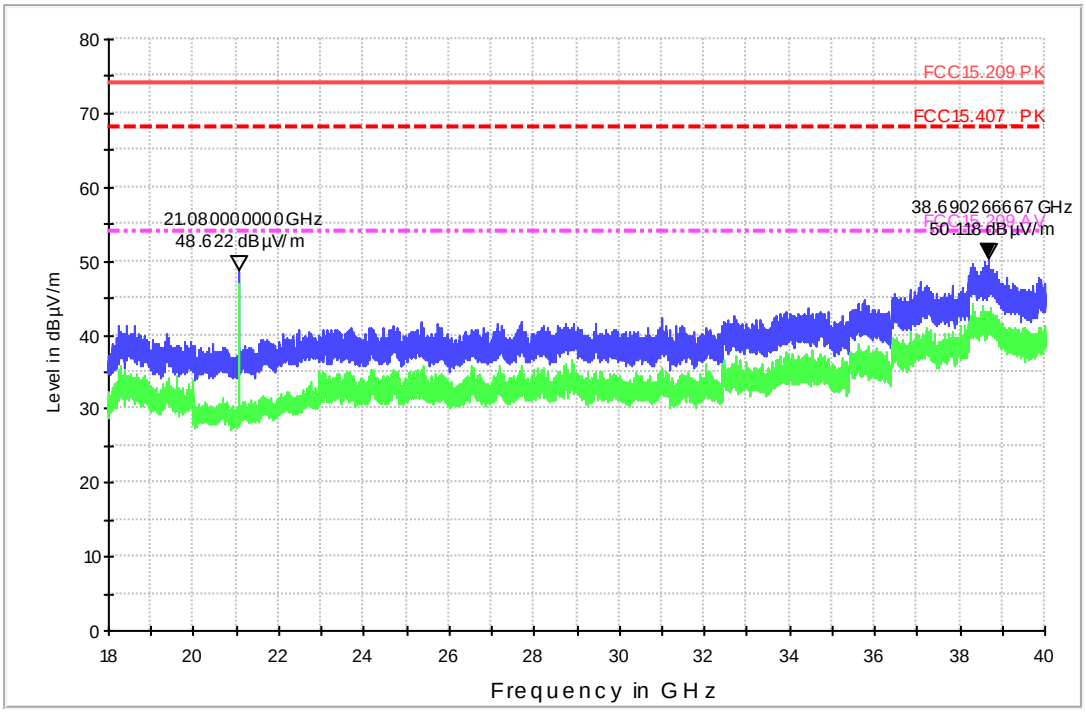
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous
	U-NII-2A | BW 40 MHz |5270 MHz| Fixed Chanel Power : +11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.24b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5310MHz+11dBm

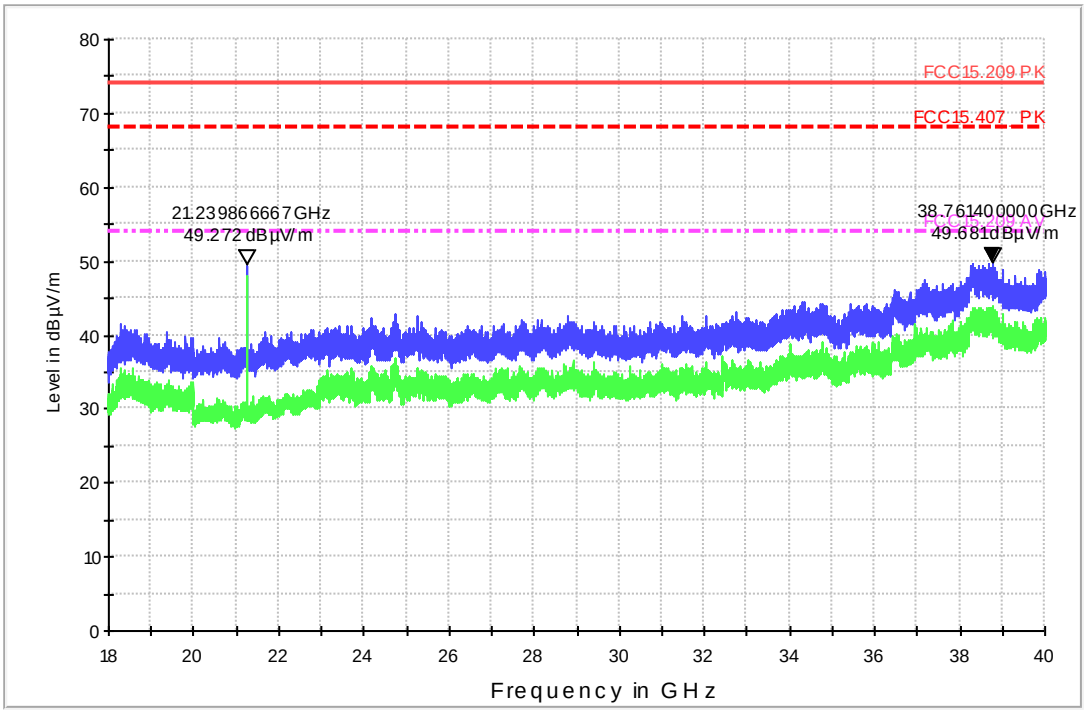
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous
	U-NII-2A | BW 40 MHz |5310 MHz| Fixed Channel| Power : +11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.25b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5510MHz+11dBm

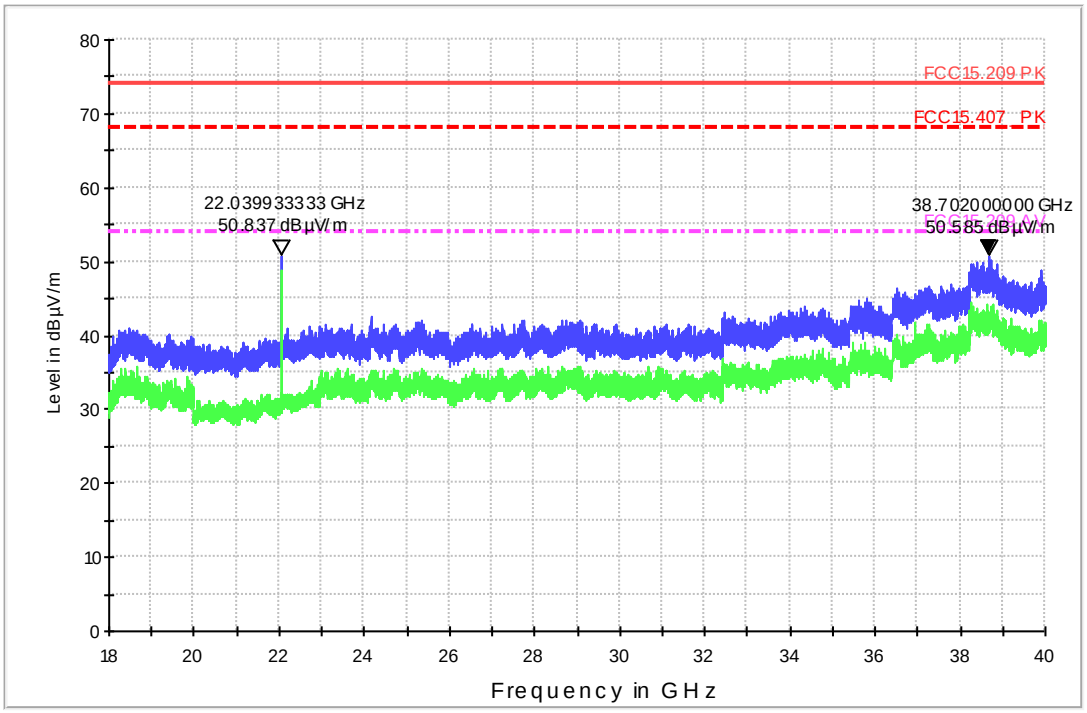
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5510 MHz| Fixed Chanel
Operator Name:	TFr

EUT EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.26b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5590MHz+11dBm

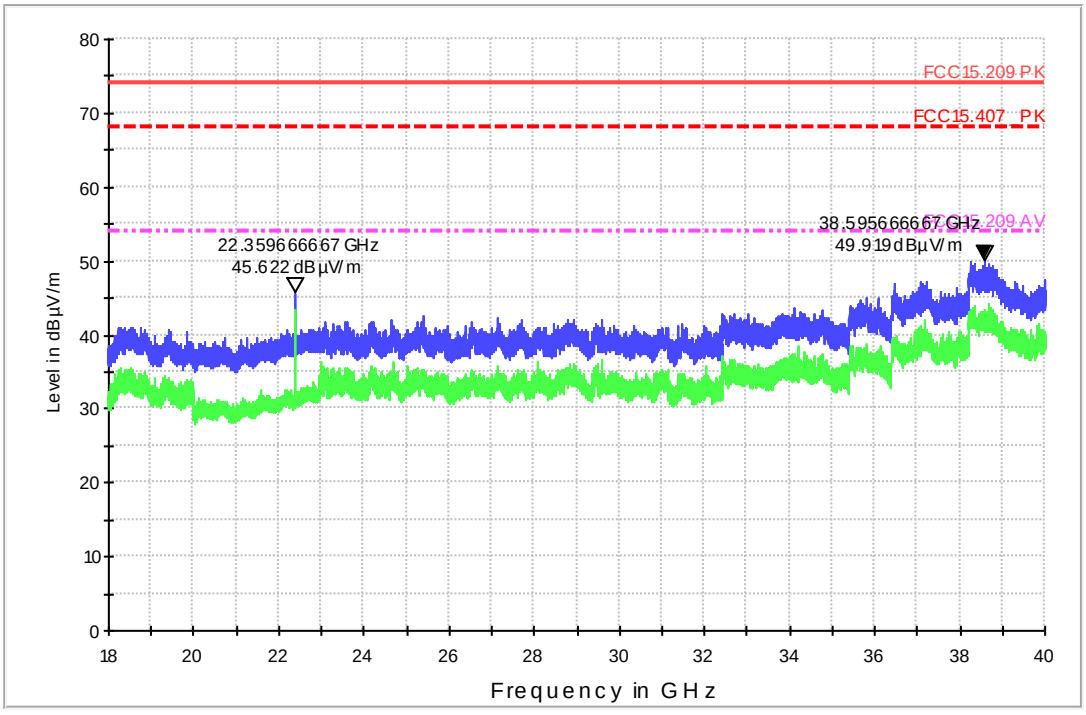
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5510 MHz| Fixed Channel| Power:+11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.27b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5670MHz+11dBm

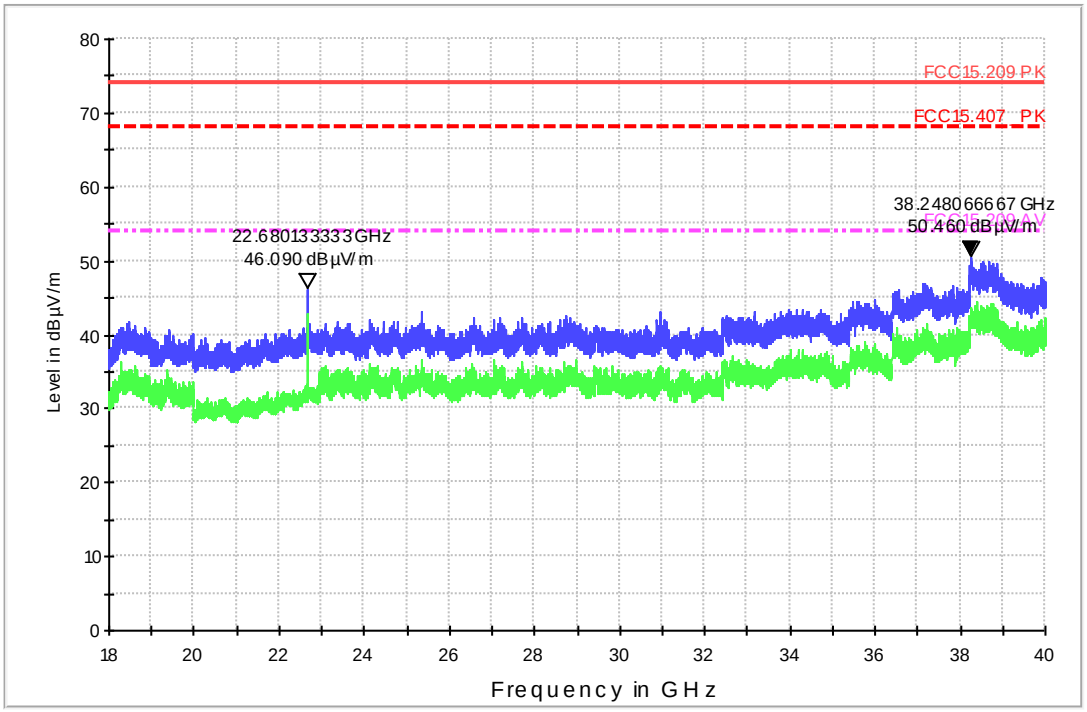
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel|Power:+11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.28b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5755MHz+11dBm

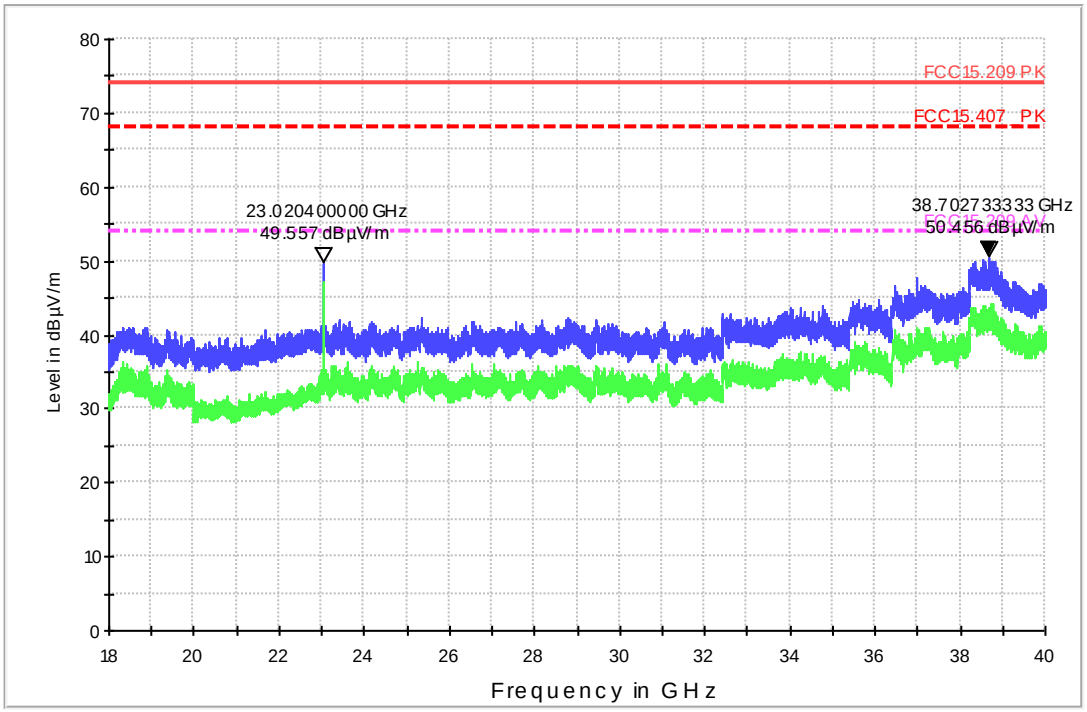
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5755 MHz| Fixed Channel | Power:+11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



4.29b_TX-Sp.VLMRX58G+Intel FA5 Ant -BW40MHz-5795MHz+11dBm

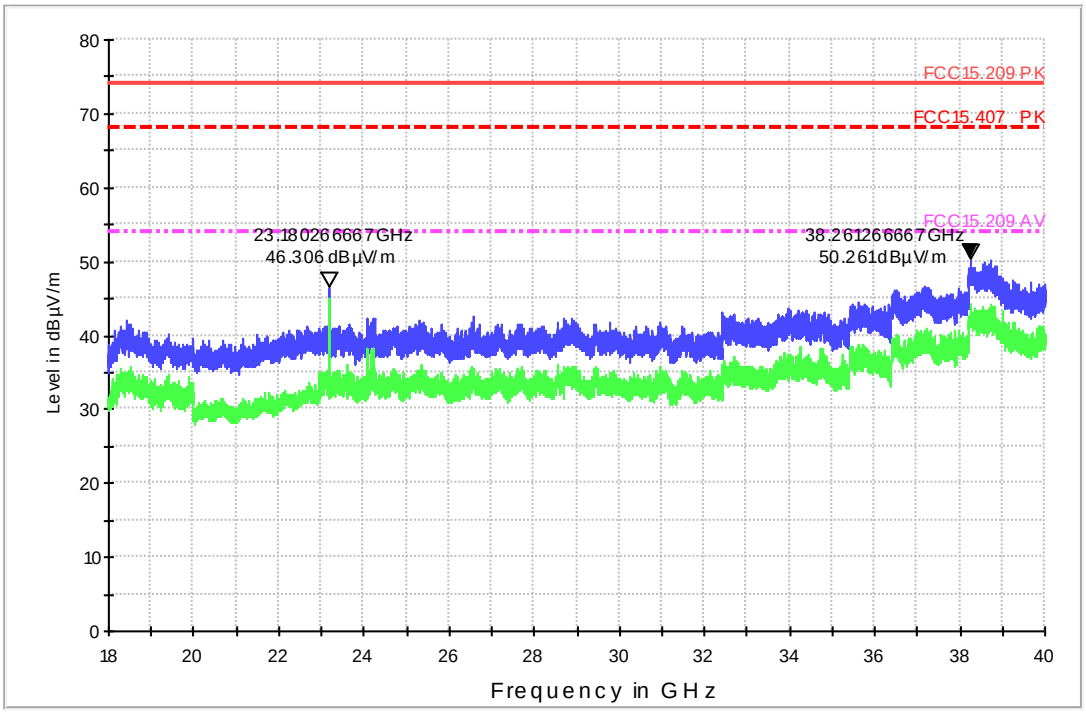
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5795 MHz| Fixed Channel | Power:+11dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

FCC_Sweep_15.407_18_40GHz_Pre



3. Radiated Band-Edge Measurements

3.1. Channel 5190 MHz (U-NII-1:left band edge)

9.21_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5190 MHz-+11dBm

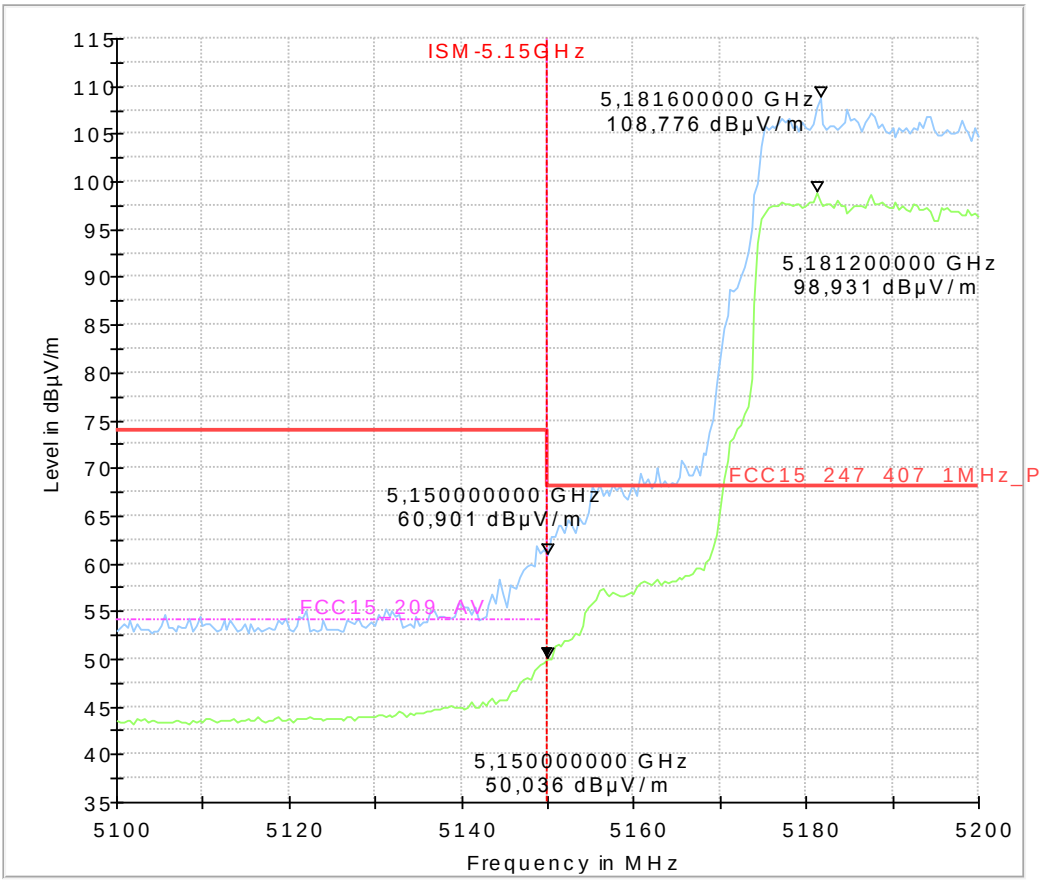
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5190 MHz| Fixed Chanel (Modulated) | Power : +11 dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.2. Channel 5230 MHz (U-NII-1:right band edge)
9.22_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5230 MHz-+11dBm

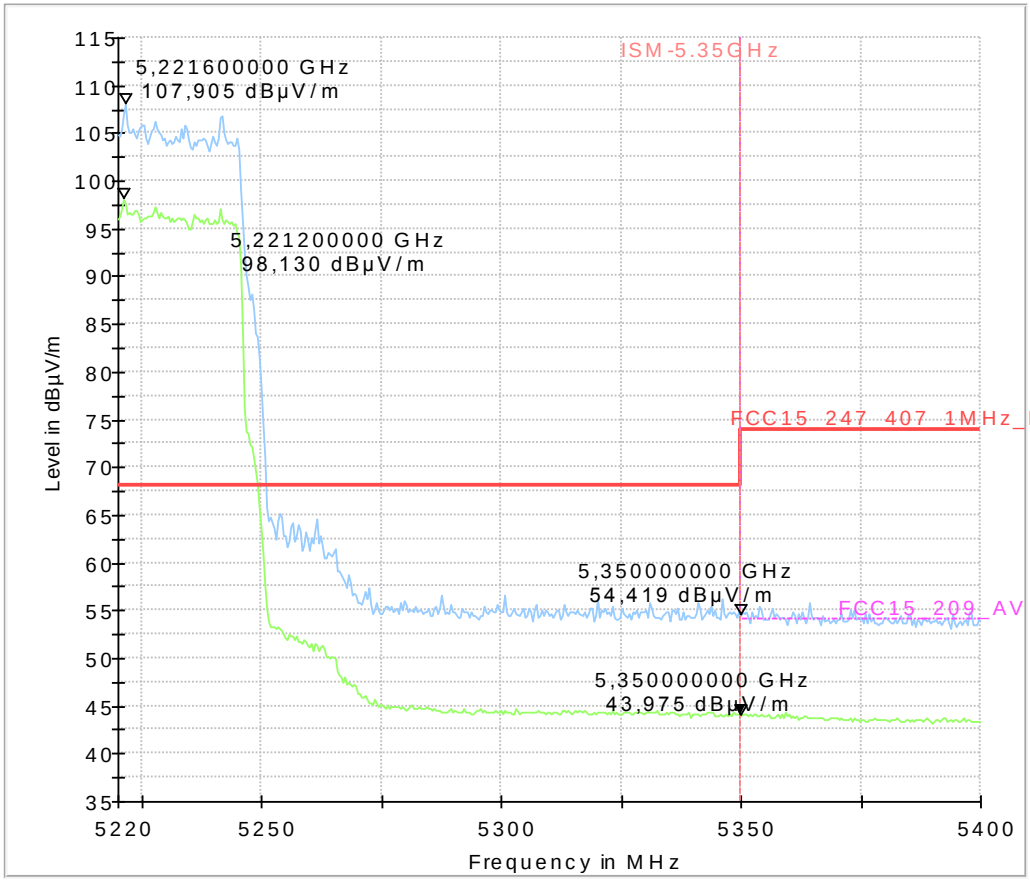
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-1 | BW 40 MHz |5230 MHz| Fixed Channel| Power :+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.3. Channel 5310 MHz (U-NII-2A: right band edge)
9.24_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5310 MHz-+11dBm

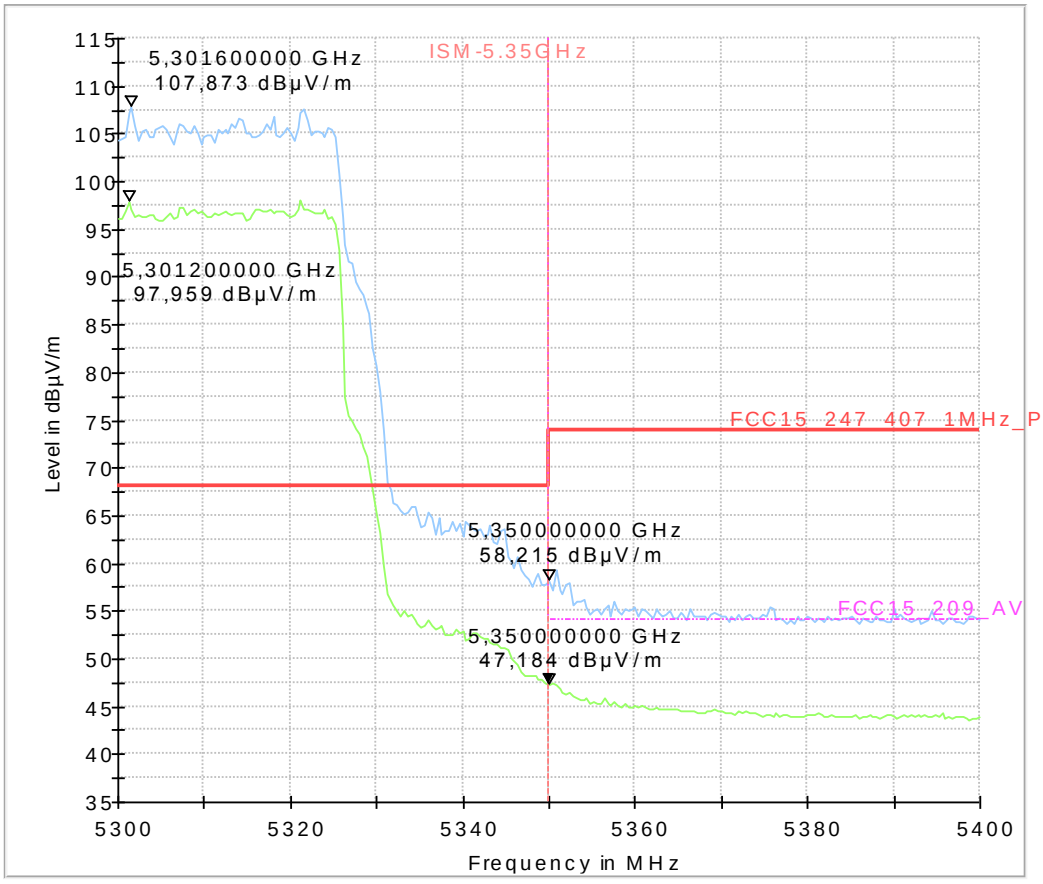
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2A | BW 40 MHz |5310 MHz| Fixed Chanel | Power:+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	6.15 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.4. Channel 5510 MHz (U-NII-2C: left band edge)
9.25_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5510 MHz-+11dBm

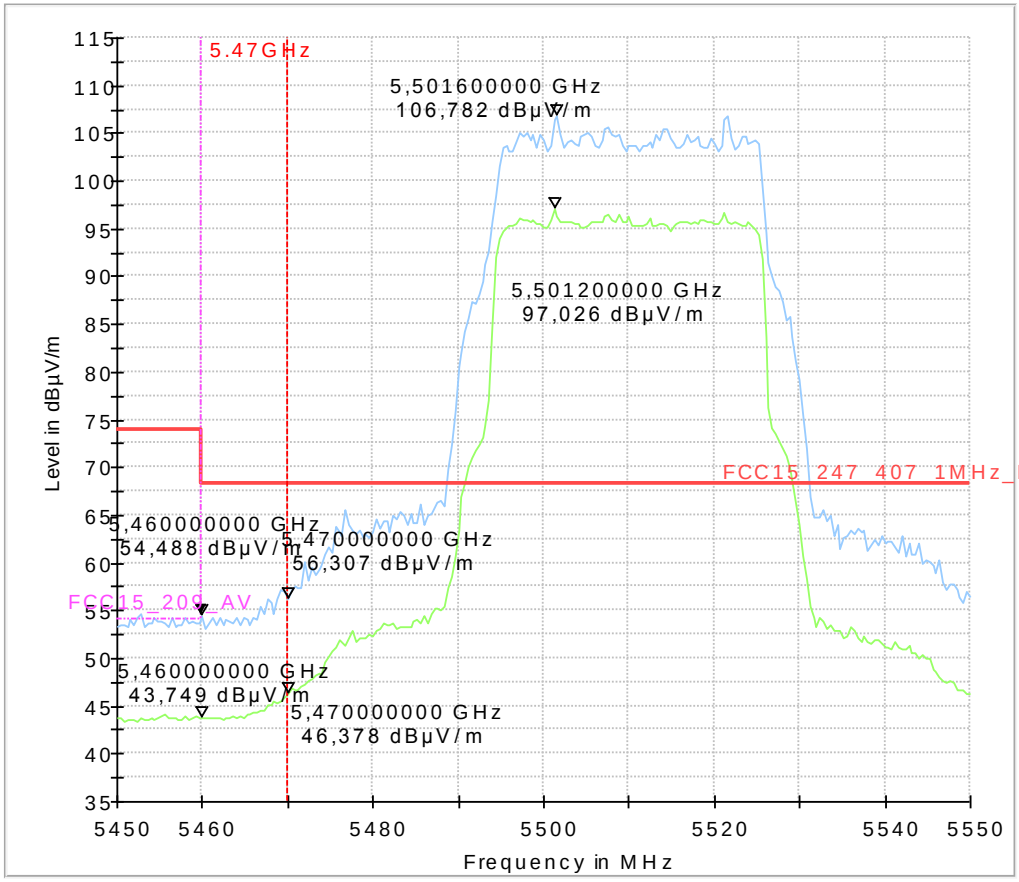
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5510 MHz| Fixed Channel| Power:+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.5. Channel 5670 MHz (U-NII-2C: right band edge)
9.27_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5670 MHz-+11dBm

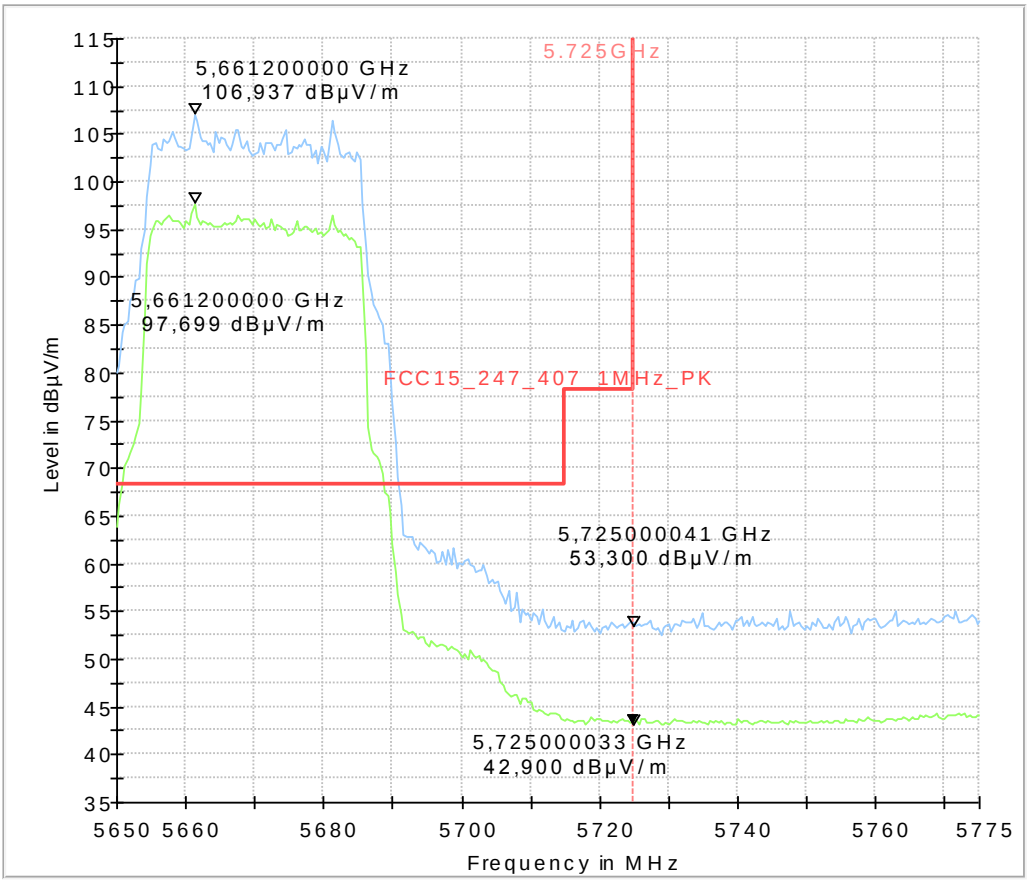
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-2C | BW 40 MHz |5670 MHz| Fixed Chanel | Power:+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.6. Channel 5755 MHz (U-NII-3: left band edge)
9.28_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5755 MHz-+11dBm

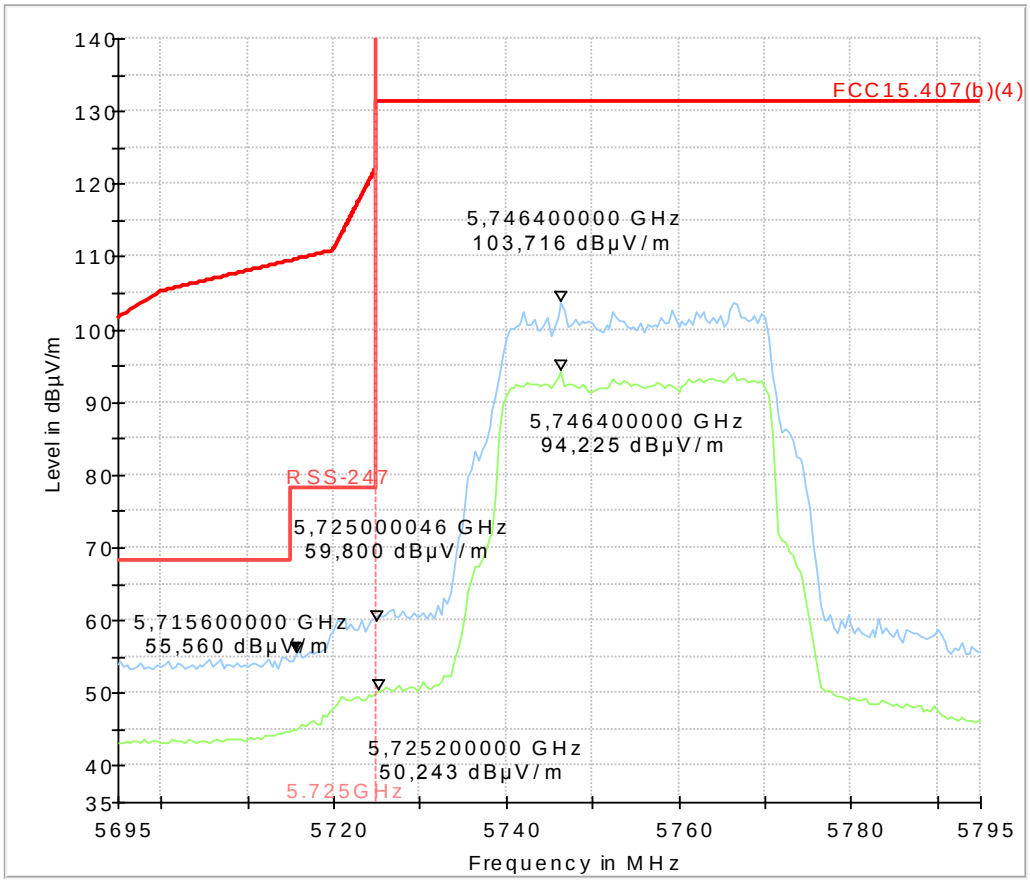
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5755 MHz| Fixed Channel| Power:+11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum



3.7. Channel 5795 MHz (U-NII-3: right band edge)
9.29_BE- VLMRX58G+Intel FA5 Ant -BW40MHz-5795 MHz-+11dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous VLMRX58G+ Intel FA5 Antenna U-NII-3 | BW 40 MHz |5795 MHz| Fixed Chanel | Power : +11dBm
Operator Name:	APh

EUT Information

Manufacturer:	Intel
Module details:	VLMRX58G
Module Type:	Video Link Module RX 5.8 GHz (Video RF Transceiver)
Module MAC version:	4.10.37.8
Module APP version:	3.13.20.0
Module Serial number:	1ABOPRX10PRXD1003160483
Antenna Details:	Intel FA5 Antenna
Antenna Type:	Circularly Polarized Patch Antenna
Antenna HW version:	Antenna-002
TX Port 3 Antenna Gain:	8.02 dBi
Antenna Serial number:	N/A
Test Configuration:	Intel FA5 Antenna ports 2 | 3| 4 connected to VLMRX58G Modules RX | TX | RX connector respectively using MCX-SMA connector cable 40 cm in length
Connected Interfaces:	Unused Intel FA5 Antenna 2.4 GHz ports 1 & 5 terminated with 50 Ω terminations using MCX-SMA connector cable 40 cm
Test Mode Settings:	Using AppCom-Version 4.0.4.26 Software

Full Spectrum