

Annex 1: Measurement diagrams to
TEST REPORT
No.: 16-1-0181301T10a

According to:

FCC Regulations

Part 15.205

Part 15.209

Part 15.407

for

Datalogic S.r.l.

SKORPIO X4
Type:00ANM4HS0GF0A4

FCC ID: U4GSX4WB

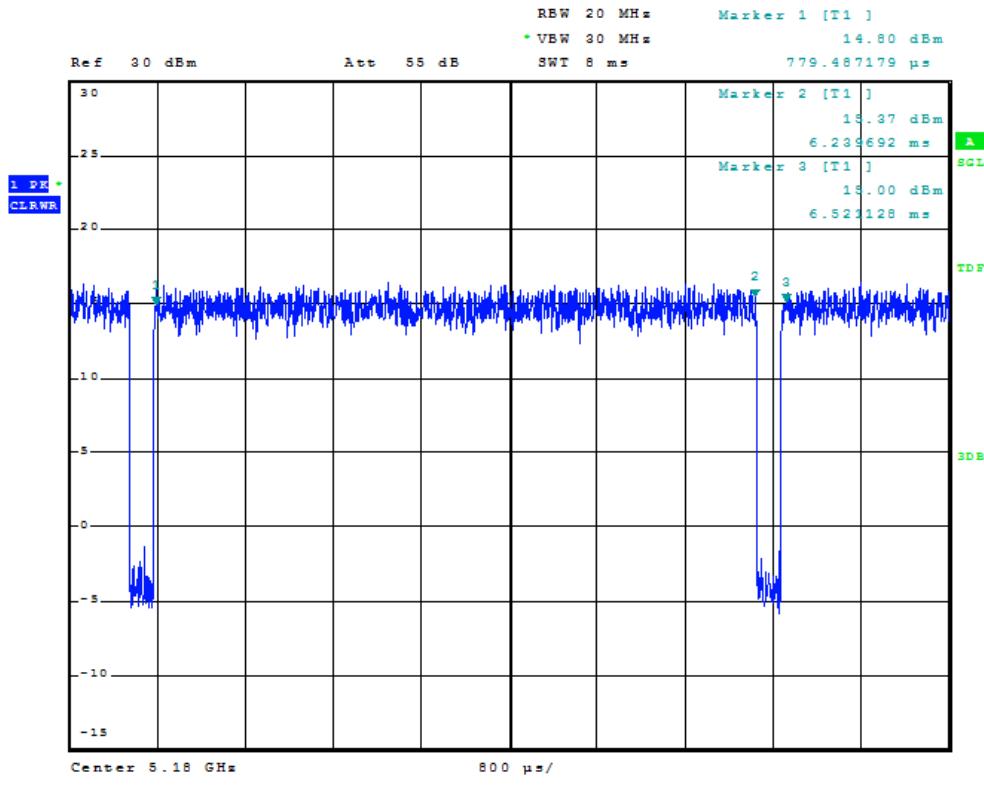
Laboratory Accreditation and Listings						
 Deutsche Akkreditierungsstelle D-PL-12047-01-01	 FEDERAL COMMUNICATIONS COMMISSION USA MRA US-EU 0003	 Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301			
 AUTHORIZED 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:

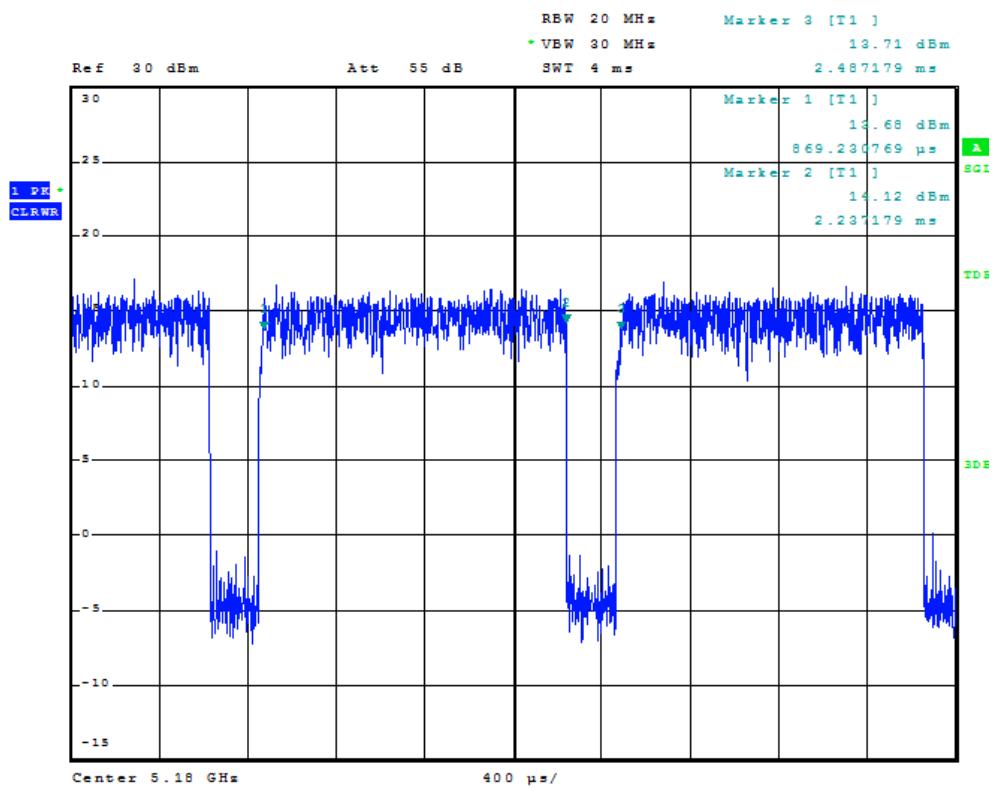
1. CONDUCTED RF-MEASUREMENTS	3
1.1. Duty Cycle Measurements.....	3
2. RADIATED FIELD STRENGTH MEASUREMENTS	8
2.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz	8
2.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz	20
2.3. Radiated Field Strength Emissions – 1 GHz to 7 GHz	32
2.4. Radiated Field Strength Emissions – 7 GHz to 18 GHz	44
2.5. Radiated Field Strength Emissions – 18 GHz to 40 GHz	57
3. RADIATED BAND-EDGE MEASUREMENTS	69
3.1. a Mode- B.W. 20 MHz-Channel 36 (5180 MHz) (U-NII-1: left band edge).....	69
3.2. a Mode- B.W. 20 MHz -Channel 48 (5240 MHz) (U-NII-1: right band edge).....	70
3.3. a Mode- B.W. 20 MHz -Channel 52 (5260 MHz) (U-NII-2A: left band edge).....	71
3.4. a Mode- B.W. 20 MHz -Channel 64 (5320 MHz) (U-NII-2A: right band edge).....	72
3.5. a Mode- B.W. 20 MHz -Channel 100 (5500 MHz) (U-NII-2C: left band edge)	73
3.6. a Mode- B.W. 20 MHz -Channel 140 (5700 MHz) (U-NII-2C: right band edge)	74
3.7. a Mode- B.W. 20 MHz -Channel 149 (5745 MHz) (U-NII-3: left band edge).....	75
3.8. a Mode- B.W. 20 MHz -Channel 165 (5825 MHz) (U-NII-3: right band edge).....	76
3.9. n Mode- B.W. 20 MHz-Channel 36 (5180 MHz) (U-NII-1: left band edge).....	77
3.10. n Mode- B.W. 20 MHz -Channel 48 (5240 MHz) (U-NII-1: right band edge)	78
3.11. n Mode- B.W. 20 MHz -Channel 52 (5260 MHz) (U-NII-2A: left band edge).....	79
3.12. n Mode- B.W. 20 MHz -Channel 64 (5320 MHz) (U-NII-2A: right band edge).....	80
3.13. n Mode- B.W. 20 MHz -Channel 100 (5500 MHz) (U-NII-2C: left band edge)	81
3.14. n Mode- B.W. 20 MHz -Channel 140 (5700 MHz) (U-NII-2C: right band edge)	82
3.15. n Mode- B.W. 20 MHz -Channel 149 (5745 MHz) (U-NII-3: left band edge).....	83
3.16. n Mode- B.W. 20 MHz -Channel 165 (5825 MHz) (U-NII-3: right band edge)	84
3.17. n Mode- B.W. 40 MHz-Channel 38 (5190 MHz) (U-NII-1: left band edge).....	85
3.18. n Mode- B.W. 40 MHz -Channel 46 (5230 MHz) (U-NII-1: right band edge)	86
3.19. n Mode- B.W. 40 MHz -Channel 54 (5270 MHz) (U-NII-2A: left band edge)	87
3.20. n Mode- B.W. 40 MHz -Channel 62 (5310 MHz) (U-NII-2A: right band edge)	88
3.21. n Mode- B.W. 40 MHz -Channel 102 (5510 MHz) (U-NII-2C: left band edge)	89
3.22. n Mode- B.W. 40 MHz -Channel 134 (5670 MHz) (U-NII-2C: right band edge)	90
3.23. n Mode- B.W. 40 MHz -Channel 151 (5755 MHz) (U-NII-3: left band edge).....	91
3.24. n Mode- B.W. 40 MHz -Channel 159 (5795 MHz) (U-NII-3: right band edge)	92

1. Conducted RF-Measurements

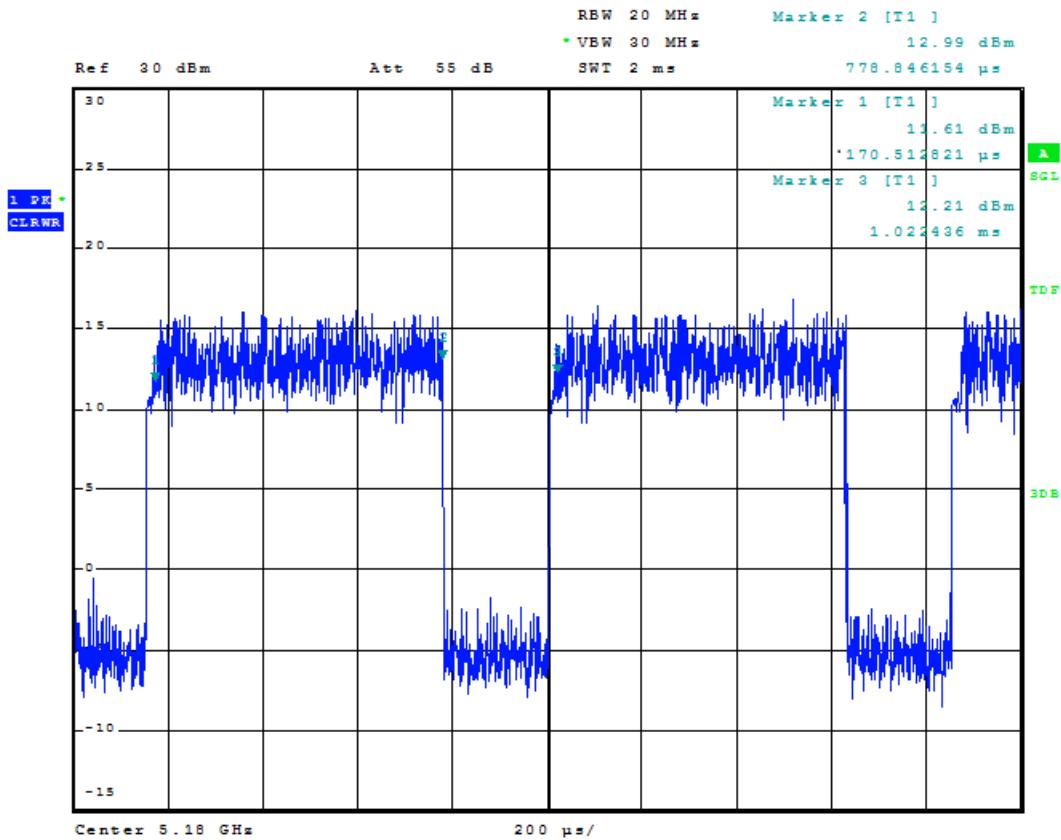
1.1. Duty Cycle Measurements



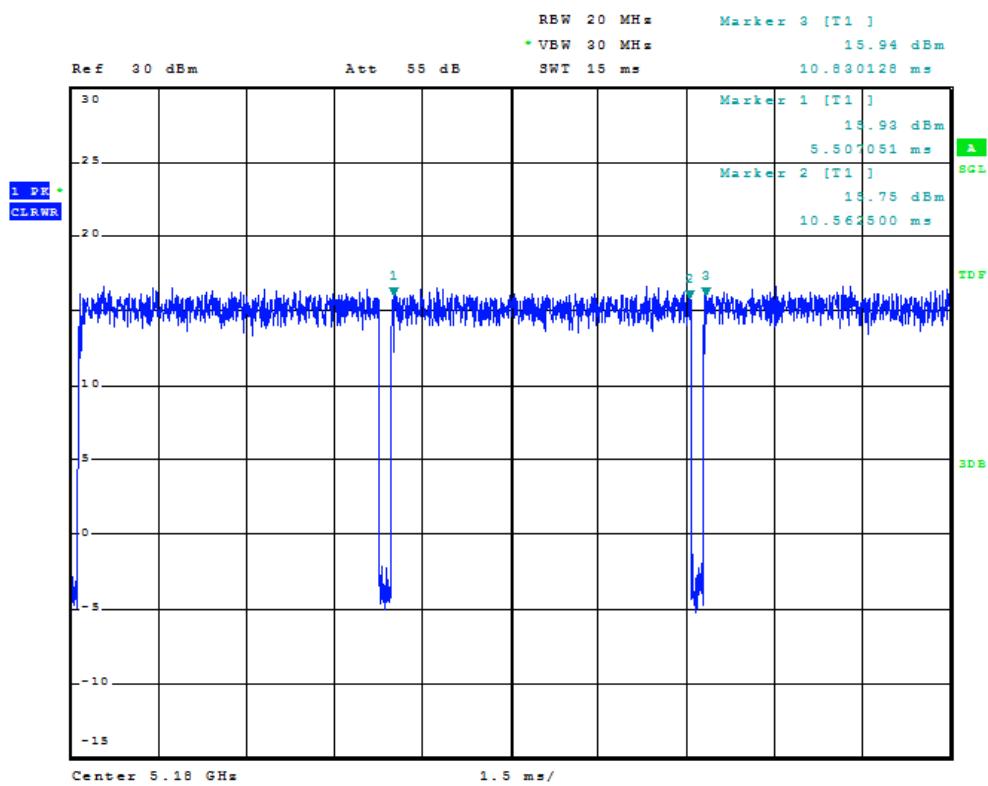
Plot 1: Duty Cycle-WLAN 5 GHz-a Mode | 20 MHz | 6 Mbit | Ch 36 (5180 MHz)



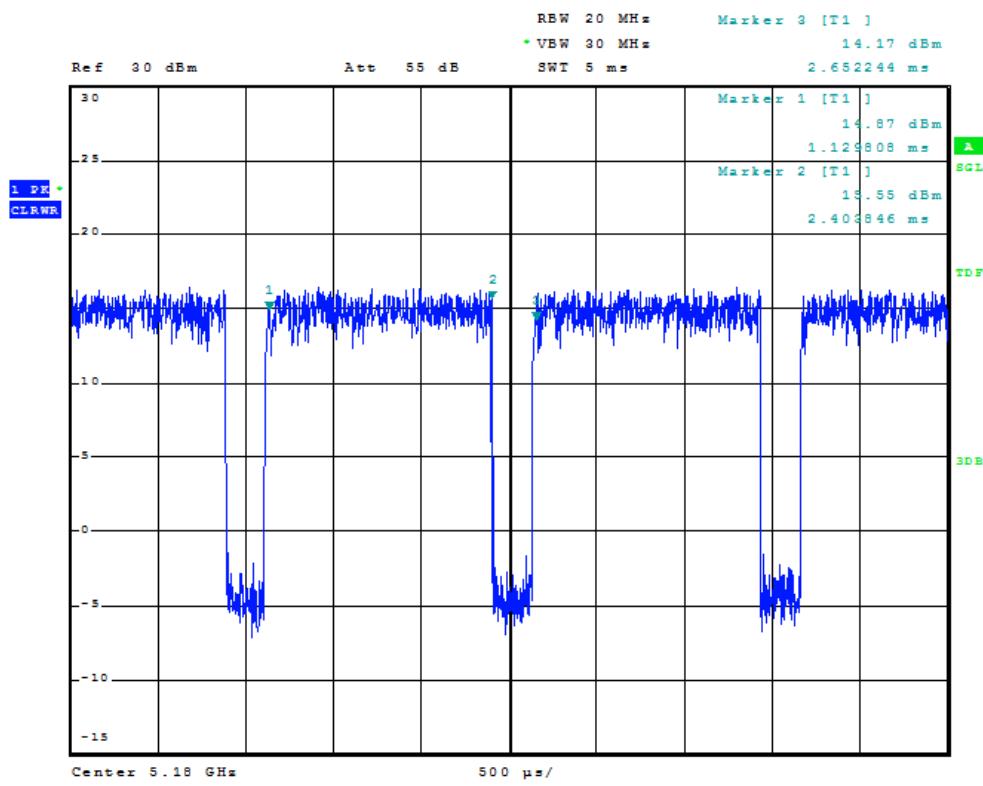
Plot 2: Duty Cycle-WLAN 5 GHz-a Mode | 20 MHz | 24 Mbit | Ch 36 (5180 MHz)



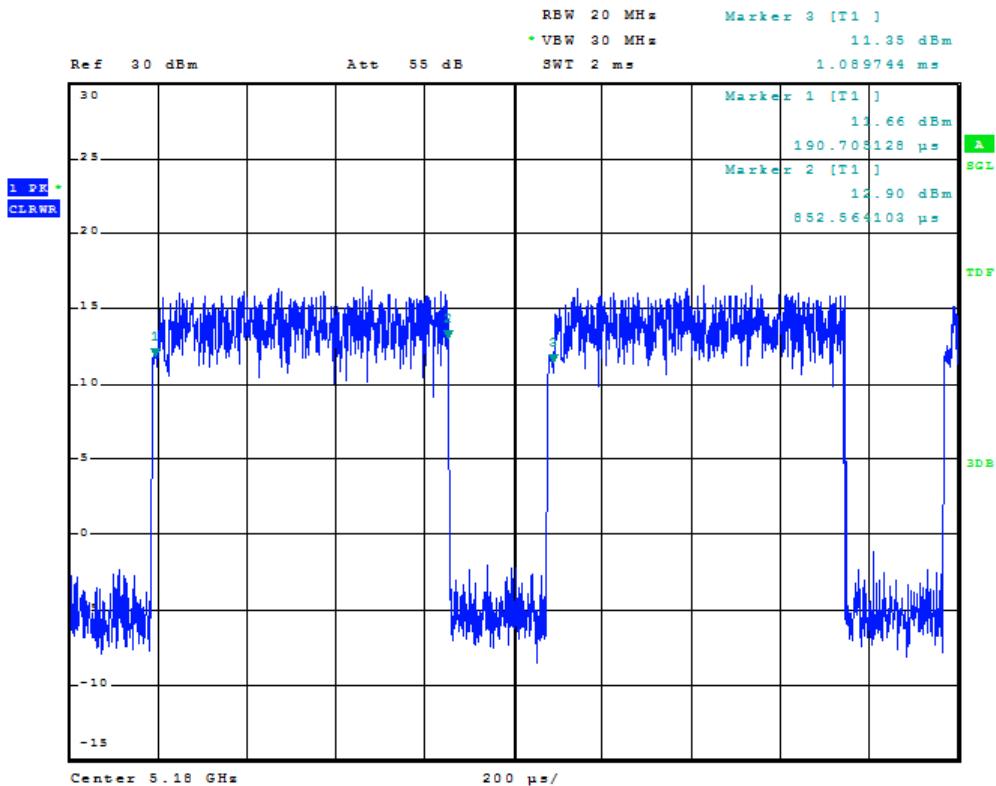
Plot 3: Duty Cycle-WLAN 5 GHz-a Mode | 20 MHz | 54 Mbit | Ch 36 (5180 MHz)



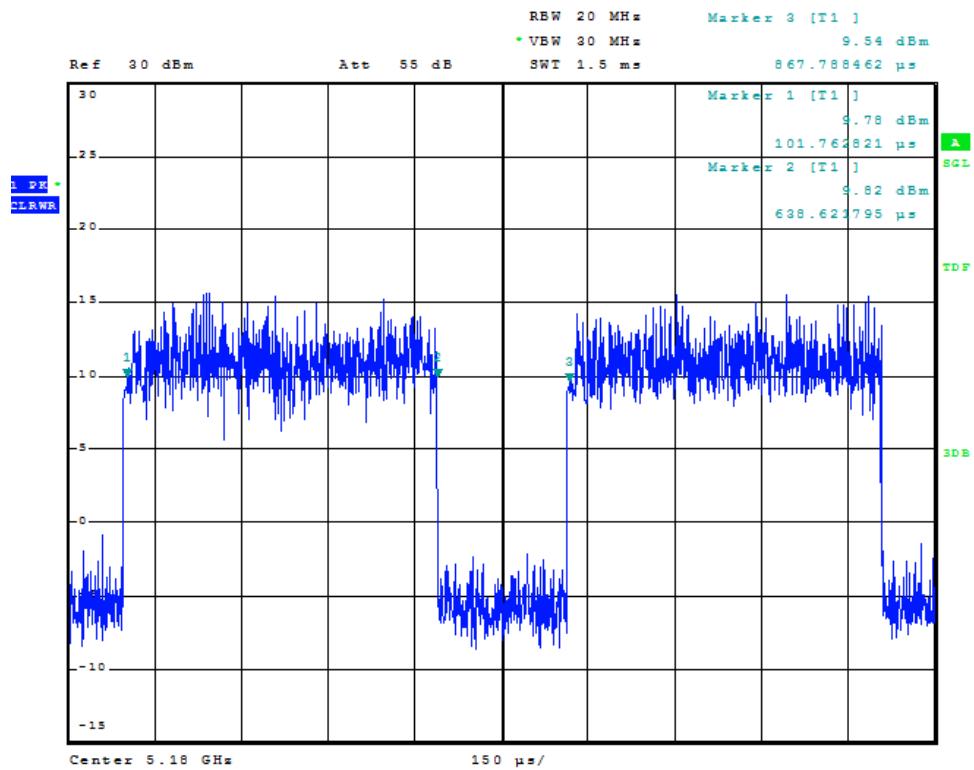
Plot 4: Duty Cycle-WLAN 5 GHz-n Mode | 20 MHz | MCS0 | Ch 36 (5180 MHz)



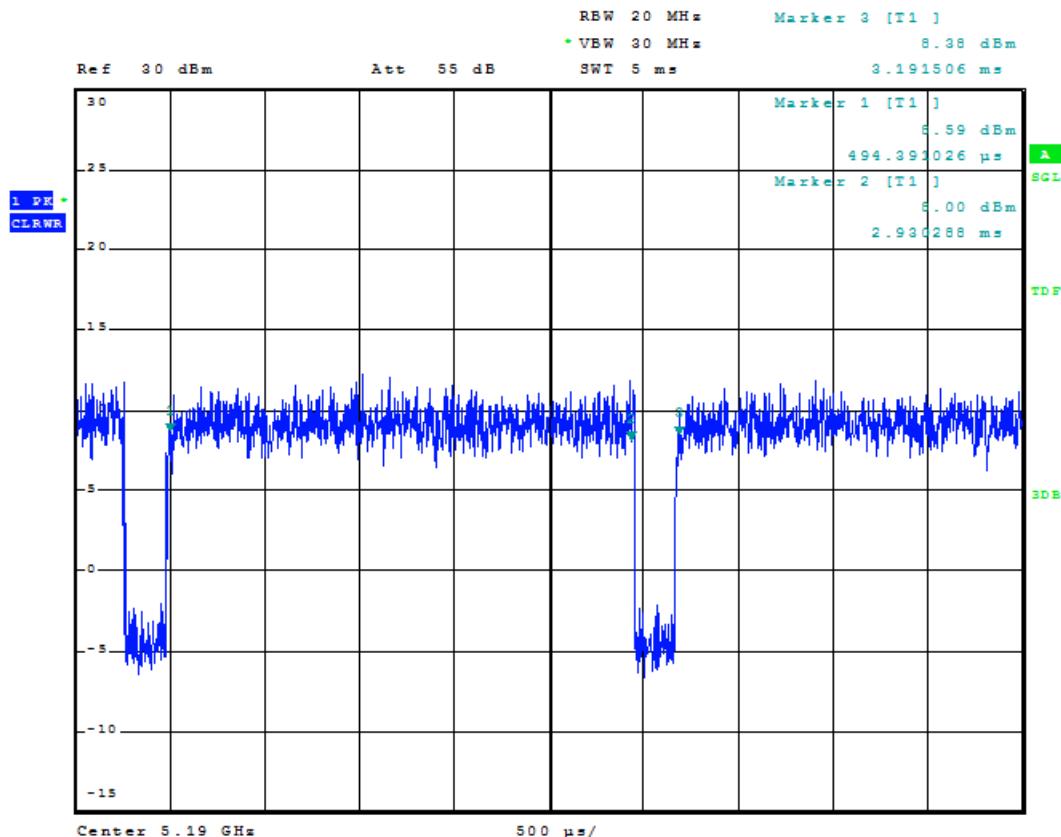
Plot 5: Duty Cycle-WLAN 5 GHz-n Mode | 20 MHz | MCS3 | Ch 36 (5180 MHz)



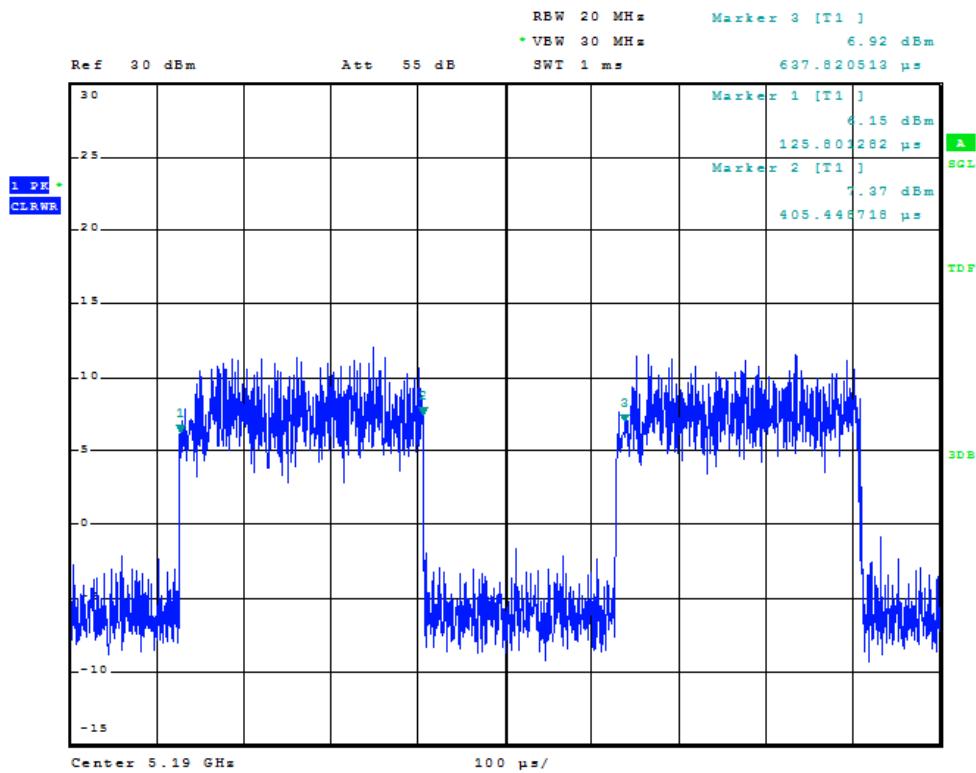
Plot 6: Duty Cycle-WLAN 5 GHz-n Mode | 20 MHz | MCS5 | Ch 36 (5180 MHz)



Plot 7: Duty Cycle-WLAN 5 GHz-n Mode | 20 MHz | MCS7 | Ch 36 (5180 MHz)



Plot 8: Duty Cycle-WLAN 5 GHz-n Mode | 40 MHz | MCS0 | Ch 38 (5190 MHz)



Plot 9: Duty Cycle-WLAN 5 GHz-n Mode | 40 MHz | MCS7 | Ch 38 (5190 MHz)

2. Radiated Field Strength Measurements

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

Diagram No. 2.31_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch48-+20dBm

Common Information

Test description:
Test site and distance:
Version of Testsoftware:
Distance correction:
Technical Data:
Rec. antenna (pre-scan):
Used filter:
Test specification:
Operator:
Operating conditions:

Magnetic Field Strength Measurement related to 30/300 m distance
Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
EMC32 V9.25.0
used accord. table, pls. see test report
Please see page 2 for detailed data of measurement setup
height 1.00 m, parallel and 90° to EUT polarisation
bypass
FCC 15.205 § 15.209
KIV
Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 48 (5240 MHz)-
PWR+20dBm

EUT Information

Manufacturer:
EUT MODEL:
EuT Type:
P/N:
S/N:
HW Version:
SW Version:
Firmware Version:
Input:
Battery Type:

Datalogic S.r.l.
SKORPIO X4
00ANM4HS0GF0A4
942600012
Z16P01723
BETA
Android 4.4.4
2.00.29
fully Internal Battery charging
BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

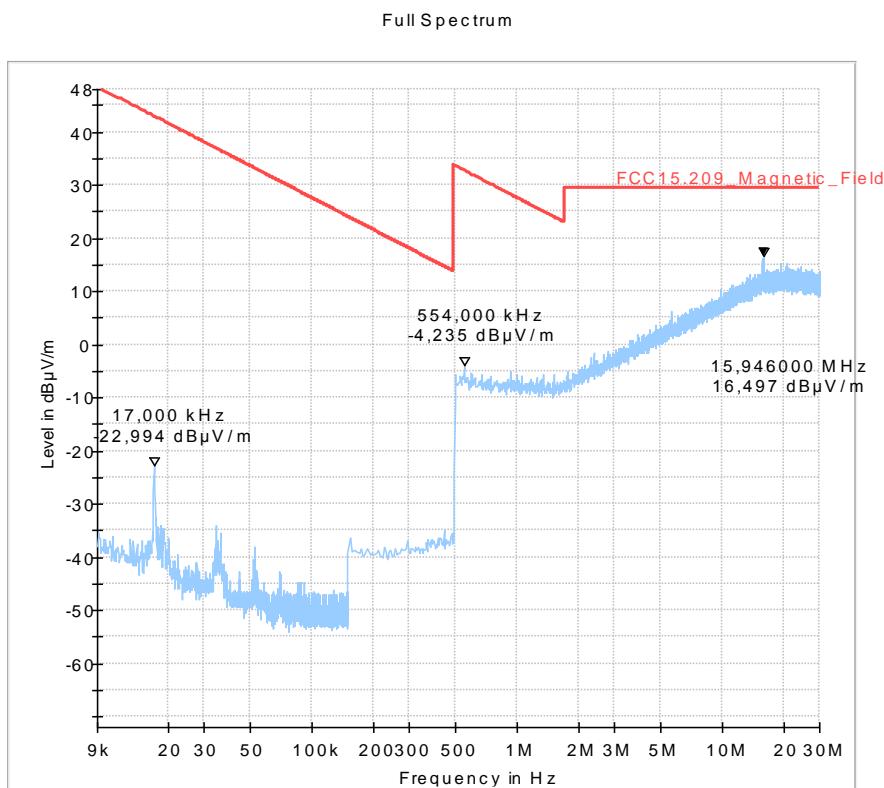


Diagram No. 2.32_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch56-+20dBm**Common Information**

Test description:
Test site and distance:
Version of Testsoftware:
Distance correction:
Technical Data:
Rec. antenna (pre-scan):
Used filter:
Test specification:
Operator:
Operating conditions:

Magnetic Field Strength Measurement related to 30/300 m distance
Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
EMC32 V9.25.0
used accord. table, pls. see test report
Please see page 2 for detailed data of measurement setup
height 1.00 m, parallel and 90° to EUT polarisation
bypass
FCC 15.205 § 15.209
KIV
Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 56 (5280 MHz)-
PWR+20dBm

EUT Information

Manufacturer:
EUT MODEL:
EuT Type:
P/N:
S/N:
HW Version:
SW Version:
Firmware Version:
Input:
Battery Type:

Datalogic S.r.l.
SKORPIO X4
00ANM4HS0GF0A4
942600012
Z16P01723
BETA
Android 4.4.4
2.00.29
fully Internal Battery charging
BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

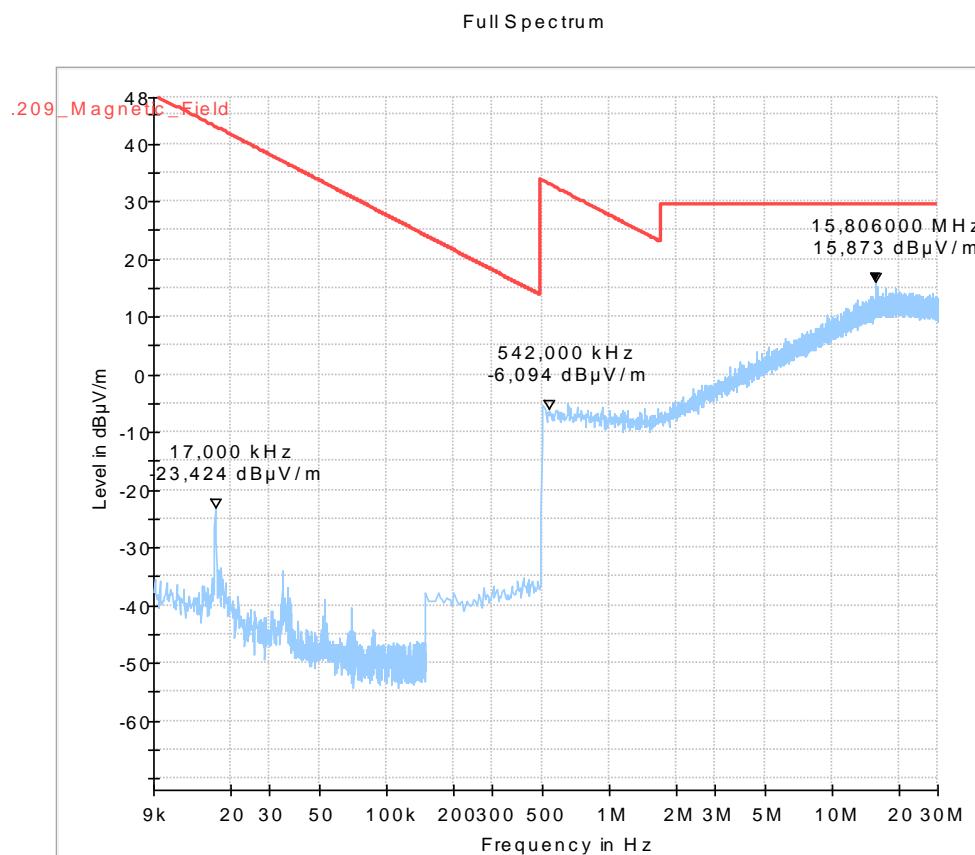


Diagram No. 2.33_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch116-+20dBm**Common Information**

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
Operator: KIV
Operating conditions: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

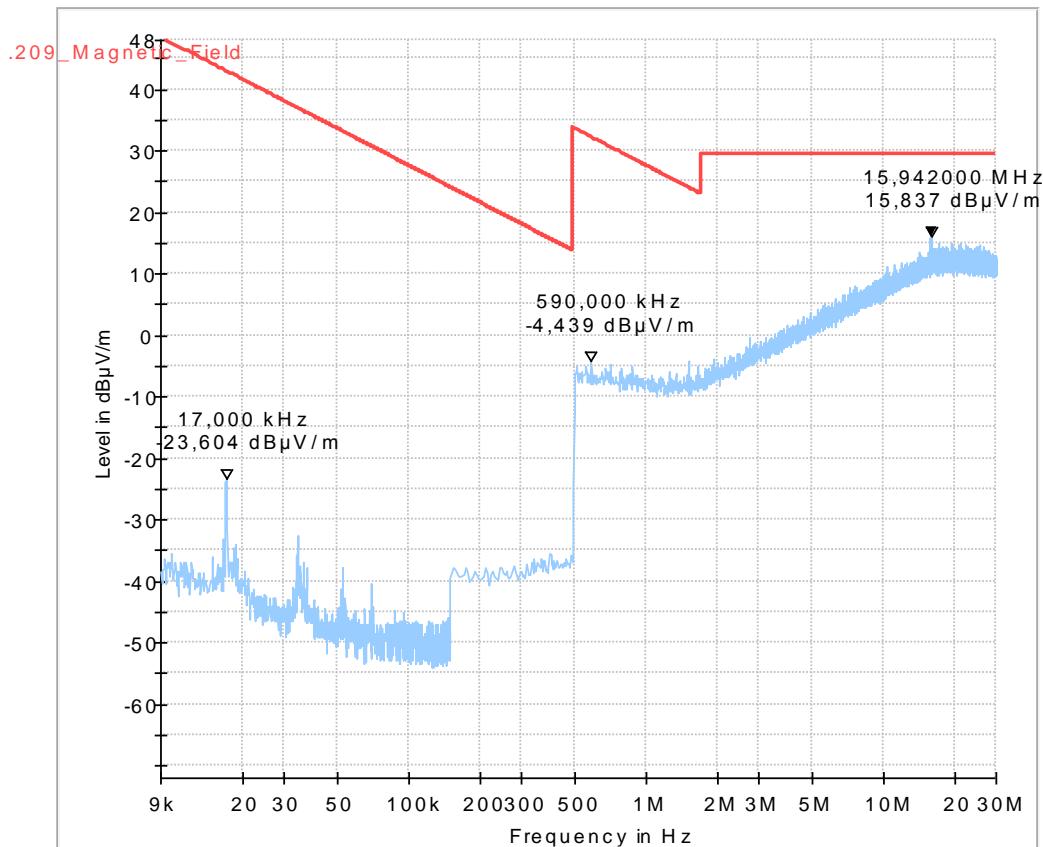
Full Spectrum

Diagram No. 2.34_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-6Mbit-Ch157-+20dBm**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
Operator: KIV
Operating conditions: Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

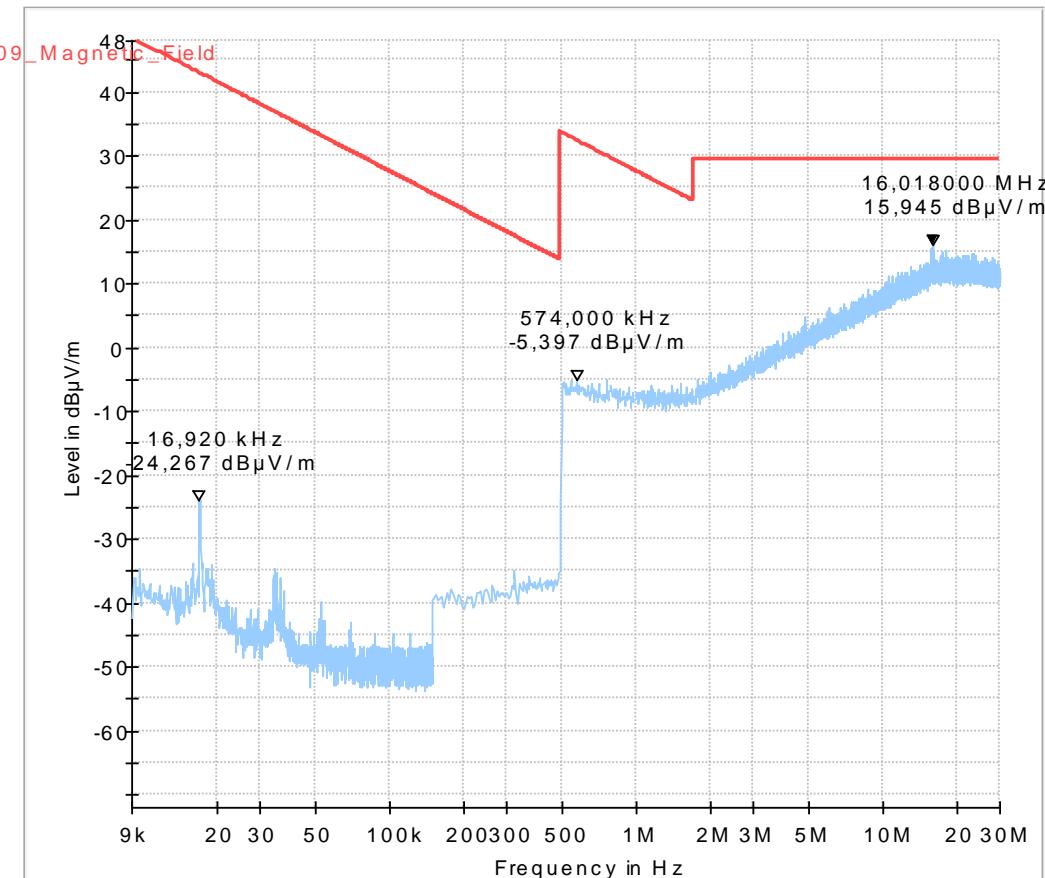
Full Spectrum

Diagram No. 2.35_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch48+-20dBm**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
Operator:
RIs
Operating conditions:
Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm

EUT Information

Manufacturer:
Datalogic S.r.l.
EUT MODEL:
SKORPIO X4
EuT Type:
00ANM4HS0GF0A4
P/N:
942600012
S/N:
Z16P01723
HW Version:
BETA
SW Version:
Android 4.4.4
Firmware Version:
2.00.29
Input:
fully Internal Battery charging
Battery Type:
BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

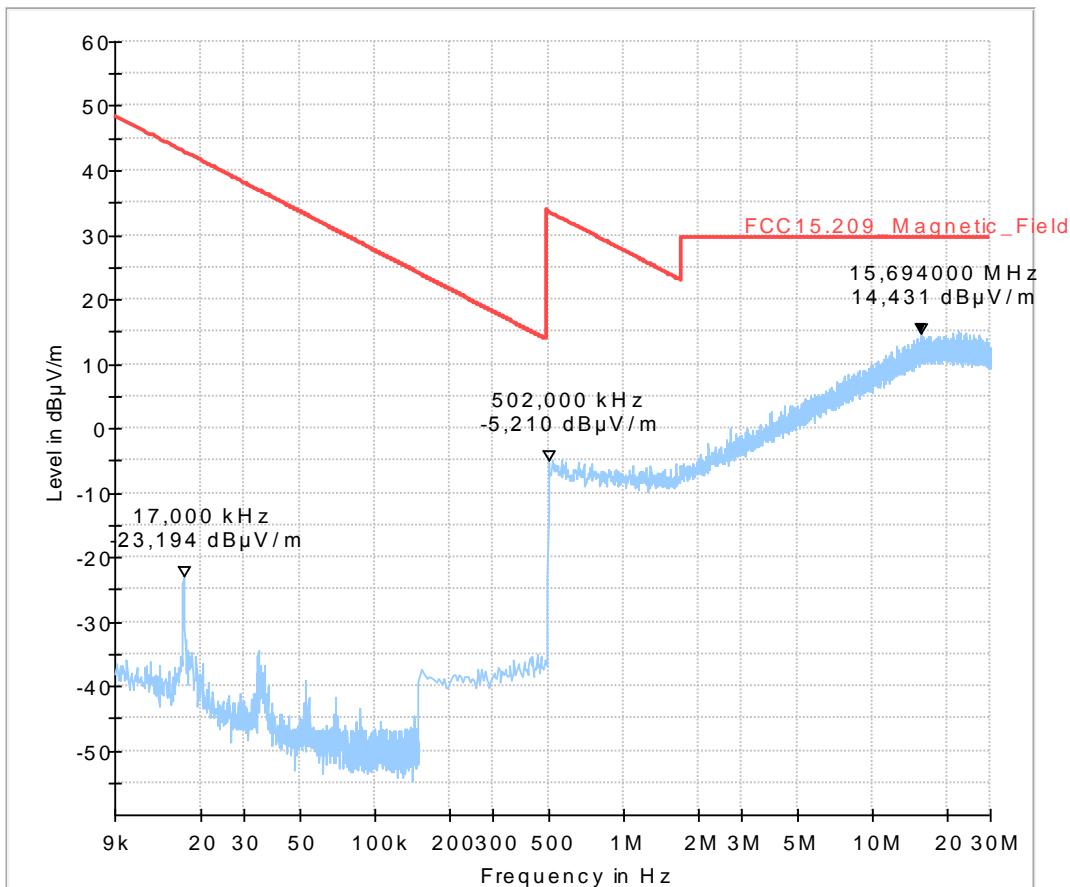
Full Spectrum

Diagram No. 2.36_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch64+-20dBm**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
Operator: RIIs
Operating conditions: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 64 (5320 MHz)- PWR+20dBm

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

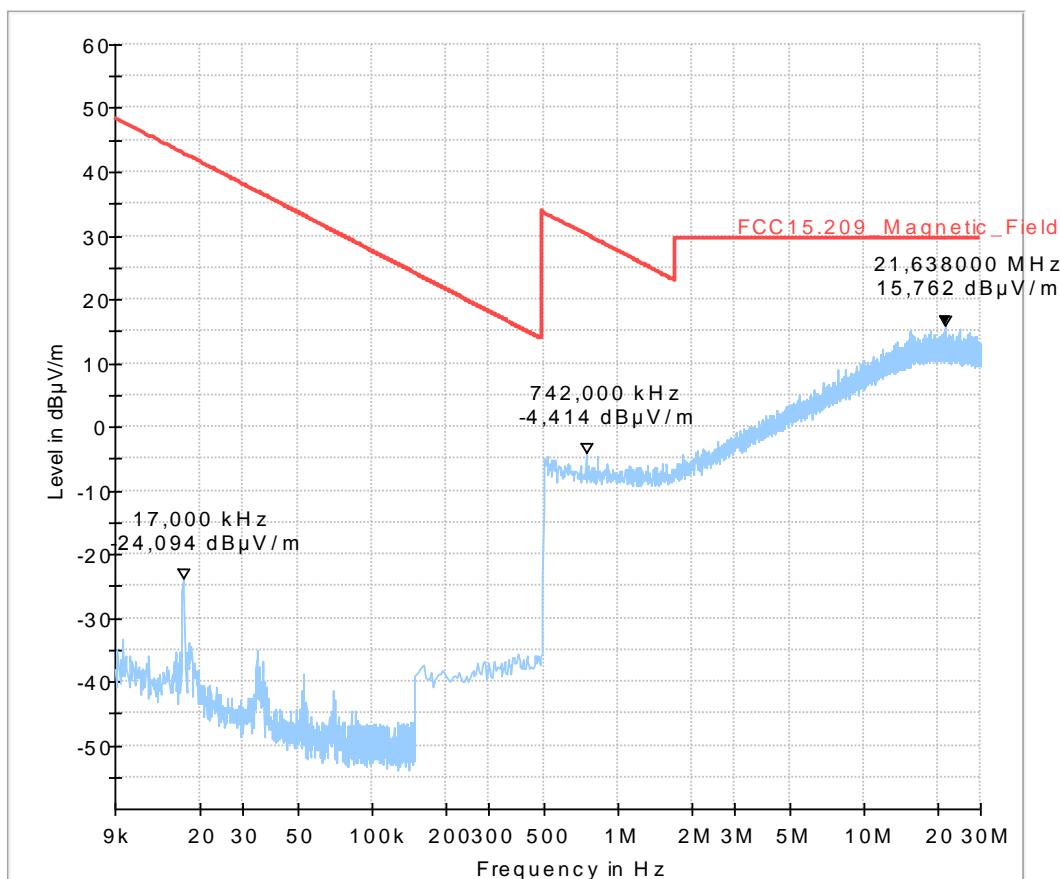
Full Spectrum

Diagram No. 2.37_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch116-+20dBm

Common Information

Test description:
 Test site and distance:
 Version of Testsoftware:
 Distance correction:
 Technical Data:
 Rec. antenna (pre-scan):
 Used filter:
 Test specification:
 Operator:
 Operating conditions:

Magnetic Field Strength Measurement related to 30/300 m distance
 Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 EMC32 V9.25.0
 used accord. table, pls. see test report
 Please see page 2 for detailed data of measurement setup
 height 1.00 m, parallel and 90° to EUT polarisation
 bypass
 FCC 15.205 § 15.209
 KIV
 Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 116 (5580 MHz)-
 PWR+20dBm

EUT Information

Manufacturer:
 EUT MODEL:
 EuT Type:
 P/N:
 S/N:
 HW Version:
 SW Version:
 Firmware Version:
 Input:
 Battery Type:

Datalogic S.r.l.
 SKORPIO X4
 00ANM4HS0GF0A4
 942600012
 Z16P01723
 BETA
 Android 4.4.4
 2.00.29
 fully Internal Battery charging
 BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

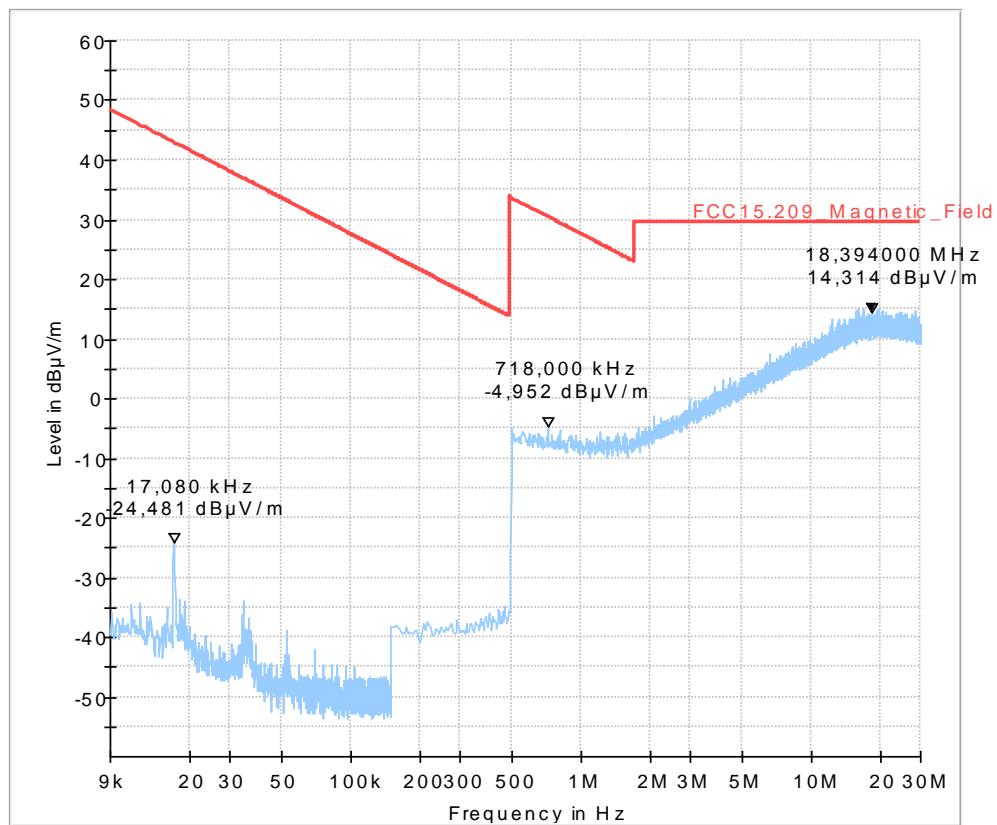


Diagram No. 2.38_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch157-+20dBm**Common Information**

Test description:
Test site and distance:
Version of Testsoftware:
Distance correction:
Technical Data:
Rec. antenna (pre-scan):
Used filter:
Test specification:
Operator:
Operating conditions:

Magnetic Field Strength Measurement related to 30/300 m distance
Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
EMC32 V9.25.0
used accord. table, pls. see test report
Please see page 2 for detailed data of measurement setup
height 1.00 m, parallel and 90° to EUT polarisation
bypass
FCC 15.205 § 15.209
KIV
Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 157 (5785 MHz)-
PWR+20dBm

EUT Information

Manufacturer:
EUT MODEL:
EuT Type:
P/N:
S/N:
HW Version:
SW Version:
Firmware Version:
Input:
Battery Type:

Datalogic S.r.l.
SKORPIO X4
00ANM4HS0GF0A4
942600012
Z16P01723
BETA
Android 4.4.4
2.00.29
fully Internal Battery charging
BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

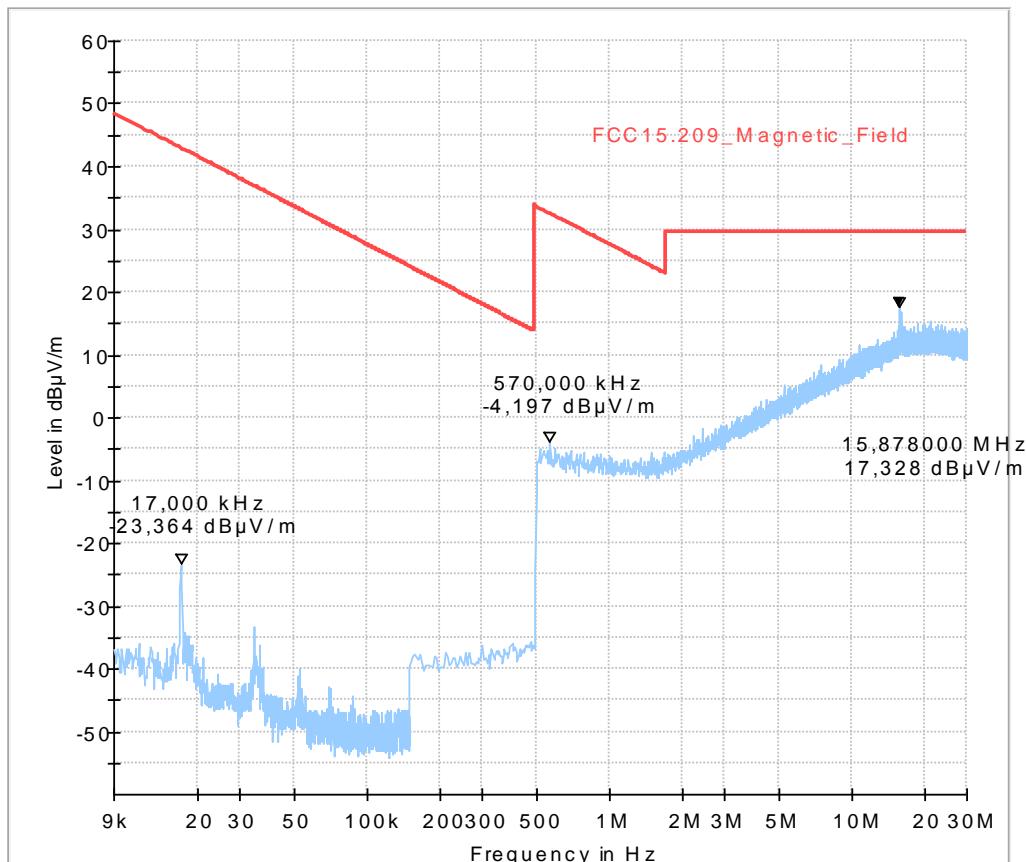
Full Spectrum

Diagram No. 2.39_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch46-+20dBm**Common Information**

Test description:
Test site and distance:
Version of Testsoftware:
Distance correction:
Technical Data:
Rec. antenna (pre-scan):
Used filter:
Test specification:
Operator:
Operating conditions:

Magnetic Field Strength Measurement related to 30/300 m distance
Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
EMC32 V9.25.0
used accord. table, pls. see test report
Please see page 2 for detailed data of measurement setup
height 1.00 m, parallel and 90° to EUT polarisation
bypass
FCC 15.205 § 15.209
SLo
Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm

EUT Information

Manufacturer:
EUT MODEL:
EuT Type:
P/N:
S/N:
HW Version:
SW Version:
Firmware Version:
Input:
Battery Type:

Datalogic S.r.l.
SKORPIO X4
00ANM4HS0GF0A4
942600012
Z16P01723
BETA
Android 4.4.4
2.00.29
fully Internal Battery charging
BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

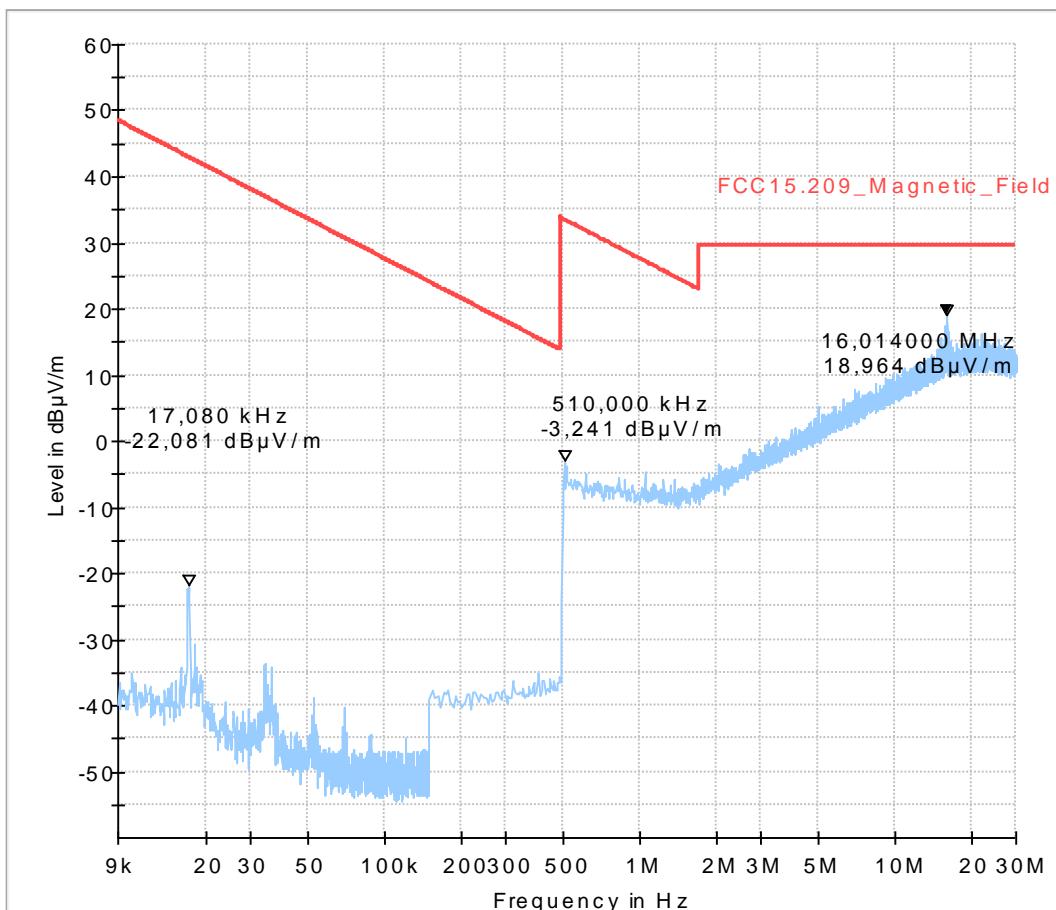


Diagram No. 2.40_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch54+-20dBm**Common Information**

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
Operator: Mah
Operating conditions: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

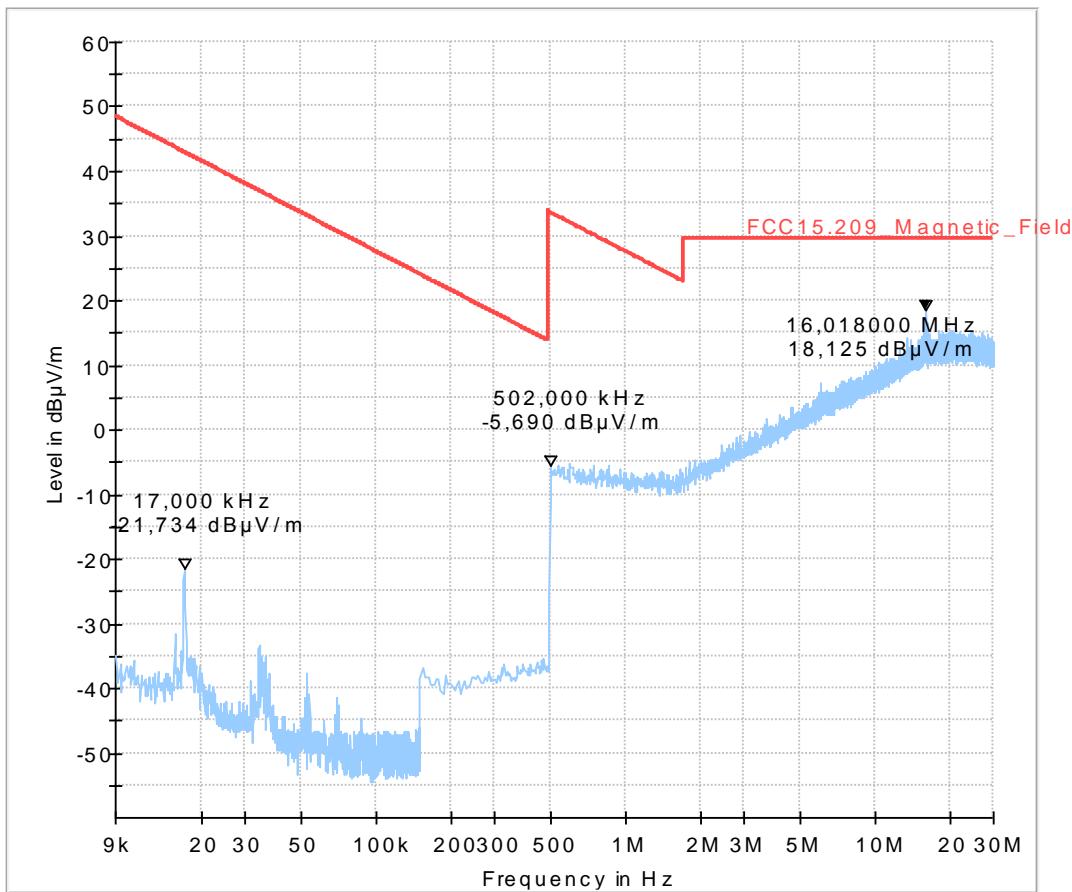
Full Spectrum

Diagram No. 2.41_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch110-+20dBm**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
Operator: Mah
Operating conditions: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

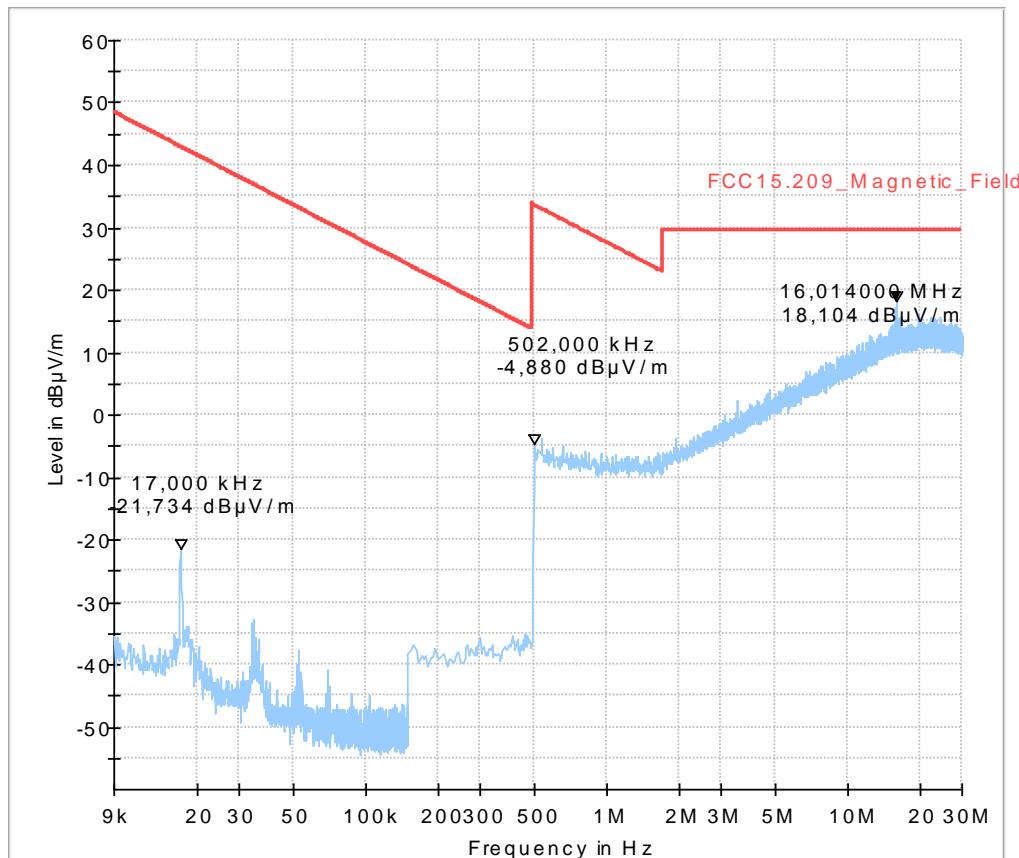


Diagram No. 2.42_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch159-+20dBm

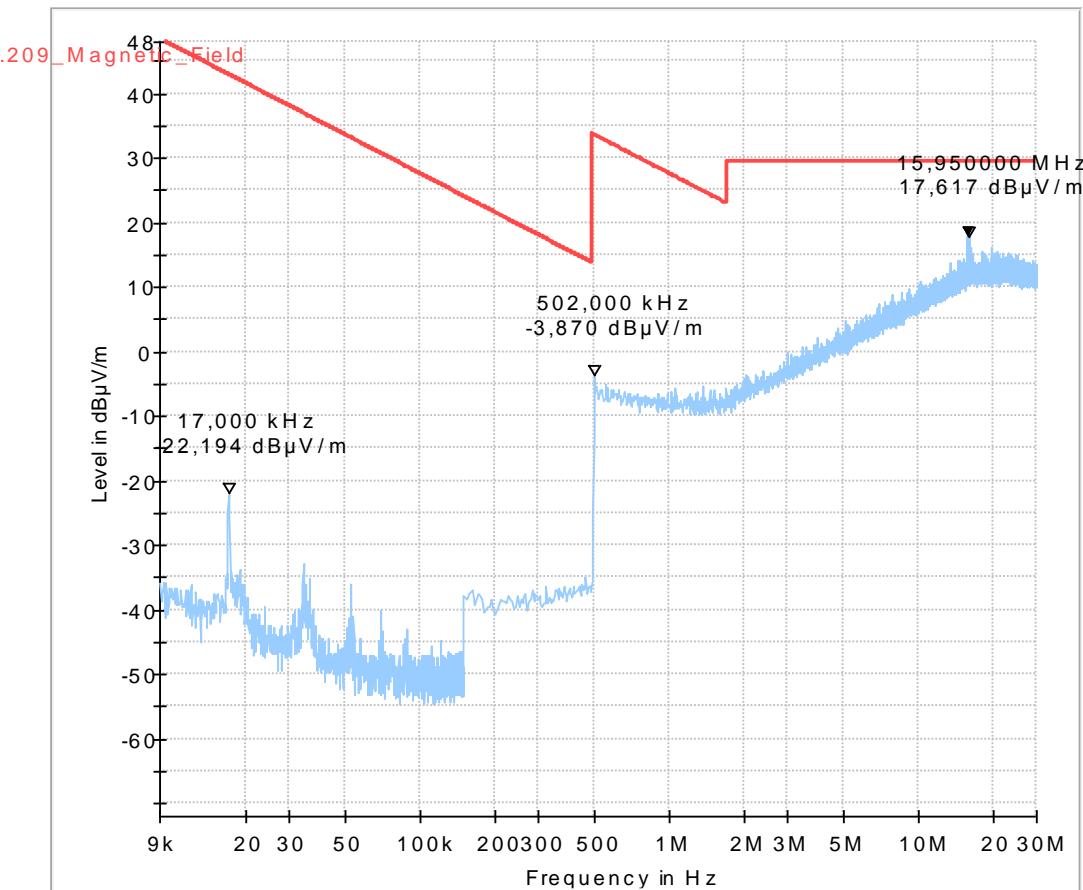
Common Information

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
Operator:	Mah
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01723
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



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

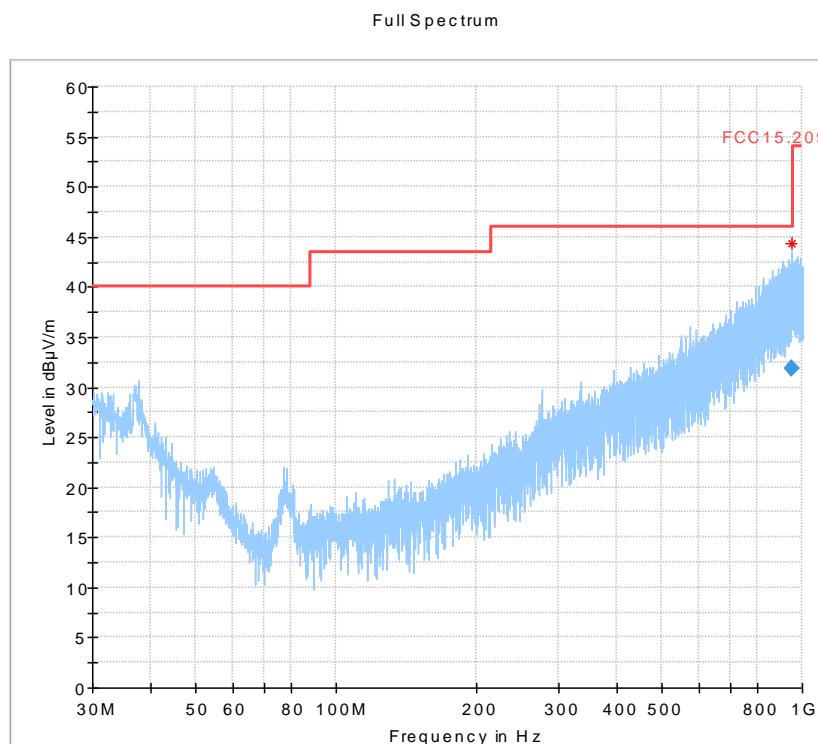
Diagram No. 3.31_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch48-+20dBm

Common Information

Test description:	07.04.2017 Page 1 of 2
Test site and distance:	Electric Field Strength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Used filter:	not used
Technical Data:	not used
Test specification.:	please see page 2 for detailed data of measurement setup
Operating Mode	FCC 15.205 § 15.209
Operator:	Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operating conditions:	DLE
	Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
Eut Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01723
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)



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)
949.100000	31.91	46.00	14.09	1000.0	120.000	223.0	H	241.0	90.0	27.1

Diagram No. 3.32_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch56-+20dBm**Common Information**

Test description:
Test site and distance:
Version of Testsoftware:
Distance correction:
Used filter:
Technical Data:
Test specification.:
Operating Mode

Operator:
Operating conditions:

07.04.2017 Page 1 of 2
Electric Field Strength Measurement
Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
EMC32 V9.25.0
not used
not used
please see page 2 for detailed data of measurement setup
FCC 15.205 § 15.209
Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 56 (5280 MHz)-
PWR+20dBm
DLE
Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer:
EUT MODEL:
EuT Type:
P/N:
S/N:
HW Version:
SW Version:
Firmware Version:
Input:
Battery Type:

Datalogic S.r.l.
SKORPIO X4
00ANM4HS0GF0A4
942600012
Z16P01723
BETA
Android 4.4.4
2.00.29
fully Internal Battery charging
BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

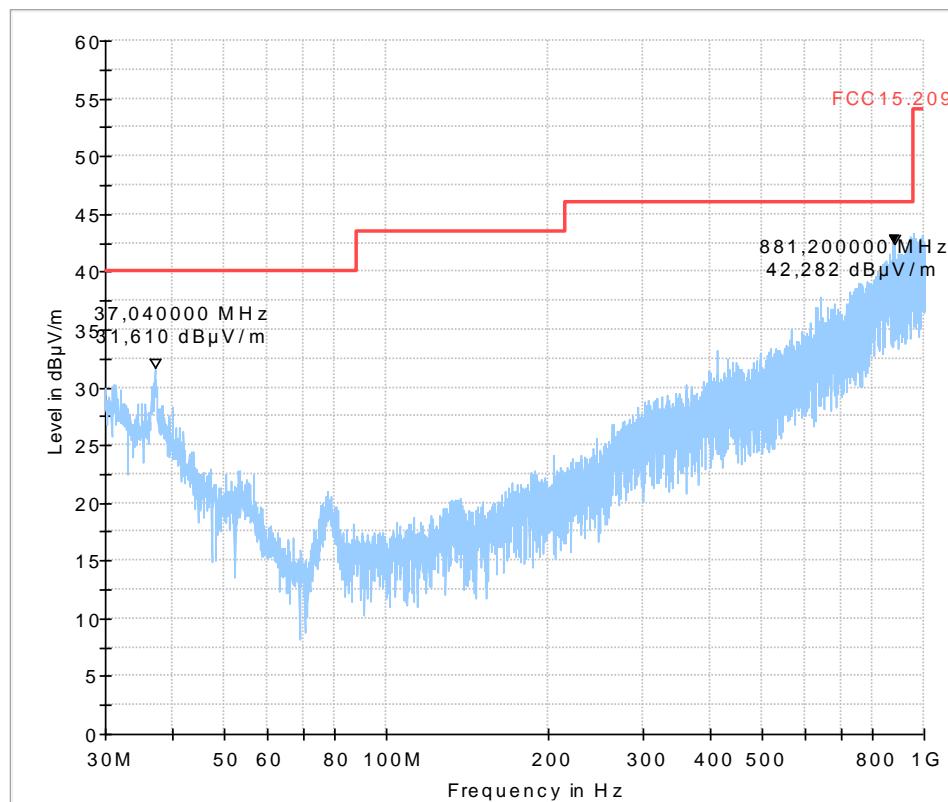


Diagram No. 3.33_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch116-+20dBm
Common Information

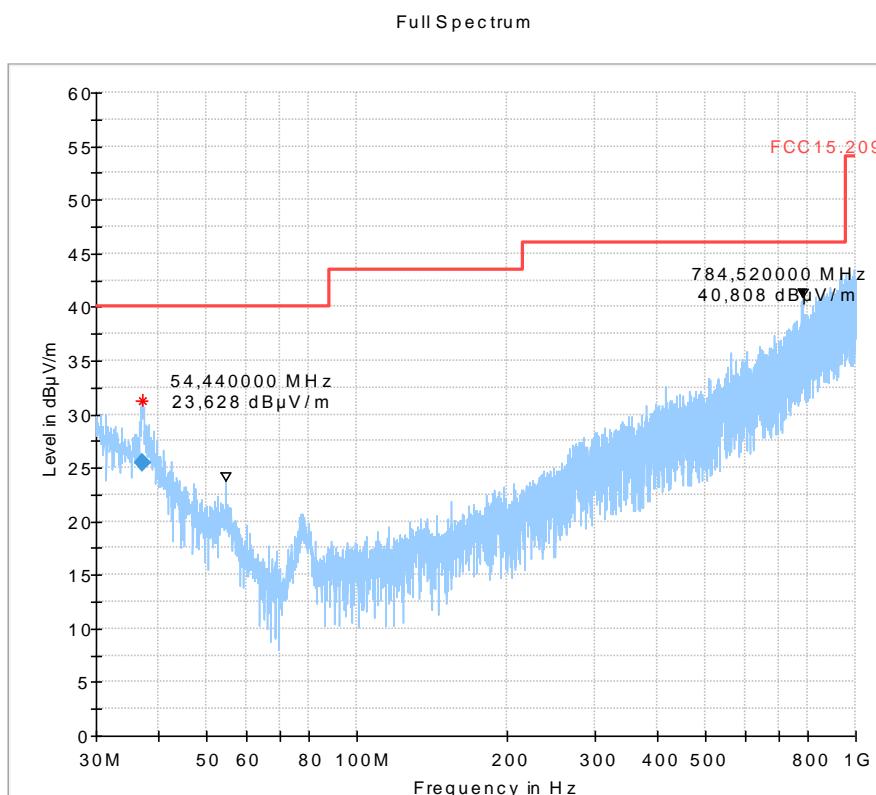
Test description:
 Test site and distance:
 Version of Testsoftware:
 Distance correction:
 Used filter:
 Technical Data:
 Test specification.:
 Operating Mode
 Operator:
 Operating conditions:

07.04.2017 Page 1 of 2
 Electric Field Strength Measurement
 Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 EMC32 V9.25.0
 not used
 not used
 please see page 2 for detailed data of measurement setup
 FCC 15.205 § 15.209
 Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 116 (5580 MHz)-
 PWR+20dBm
 DLE
 Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer:
 EUT MODEL:
 EuT Type:
 P/N:
 S/N:
 HW Version:
 SW Version:
 Firmware Version:
 Input:
 Battery Type:

Datalogic S.r.l.
 SKORPIO X4
 00ANM4HS0GF0A4
 942600012
 Z16P01723
 BETA
 Android 4.4.4
 2.00.29
 fully Internal Battery charging
 BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)


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)
37.072000	25.47	40.00	14.53	1000.0	120.000	112.0	V	30.0	0.0	18.4

Diagram No. 3.34_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-BW20MHz-6Mbit-Ch157-20dBm**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 15.205 § 15.209
Operating Mode	Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator:	RIs
Operating conditions:	Humidity: 35%RH; Temperature: 20°C

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01723
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

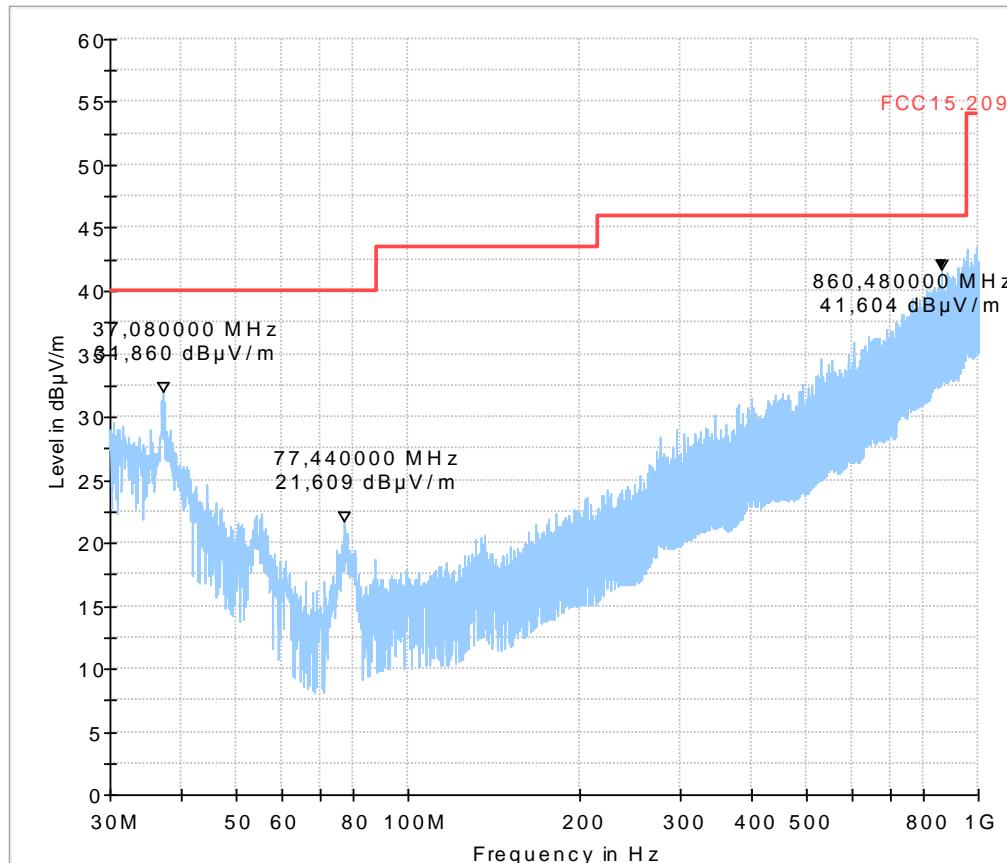


Diagram No. 3.35_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch48-+20dBm**Common Information**

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 3
Operating Mode Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator: RIs
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

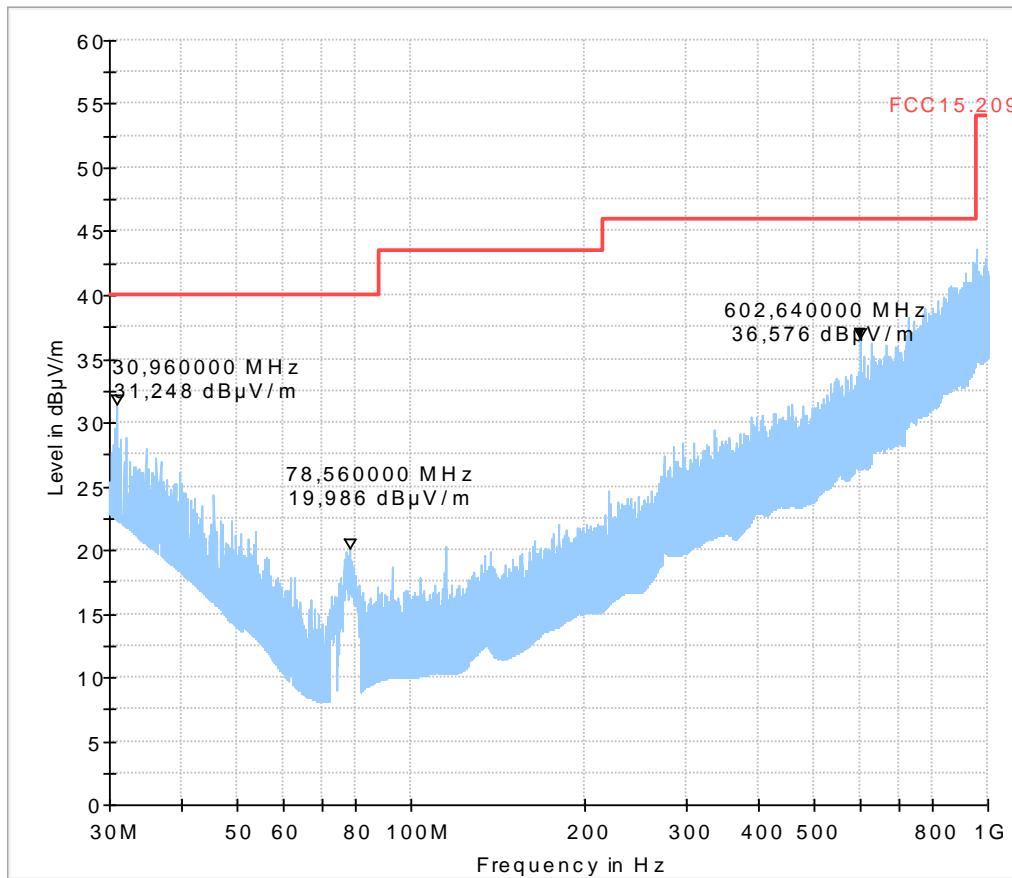
Full Spectrum

Diagram No. 3.36_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch64+-20dBm**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 15.205 § 15.209
Operating Mode Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 64 (5320 MHz)- PWR+20dBm
Operator: RIs
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

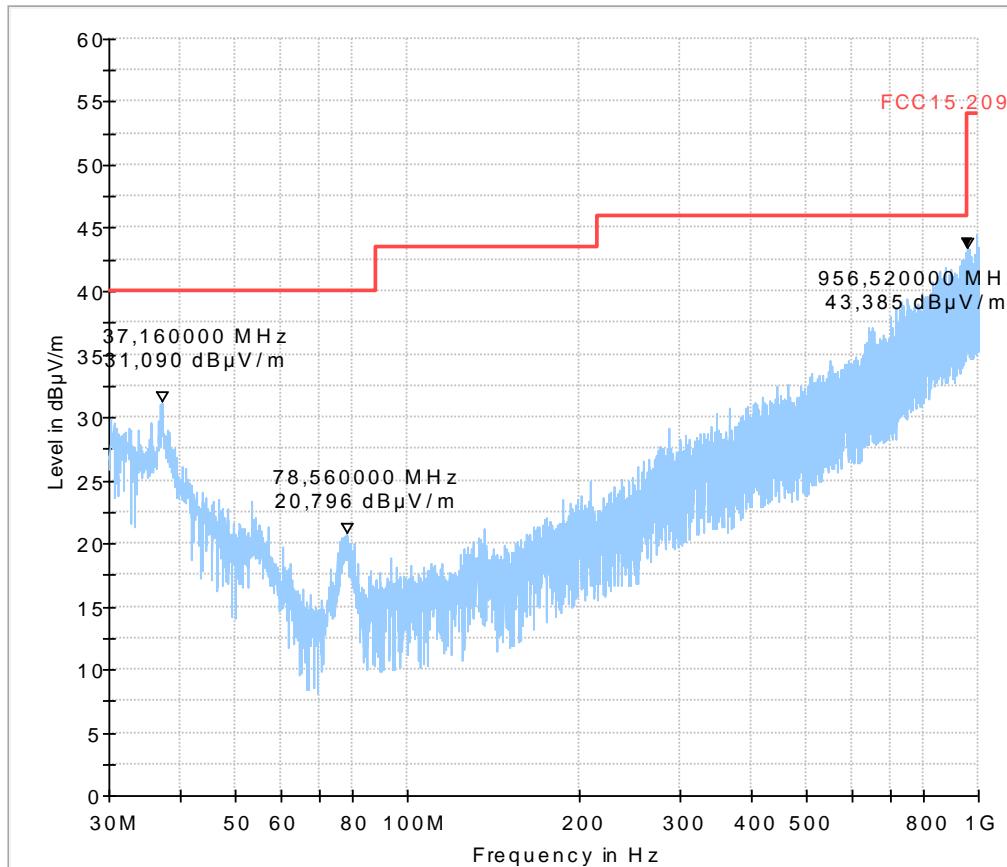
Full Spectrum

Diagram No. 3.37_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch116-+20dBm**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 15.205 § 15.209
Operating Mode Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator: RIs
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

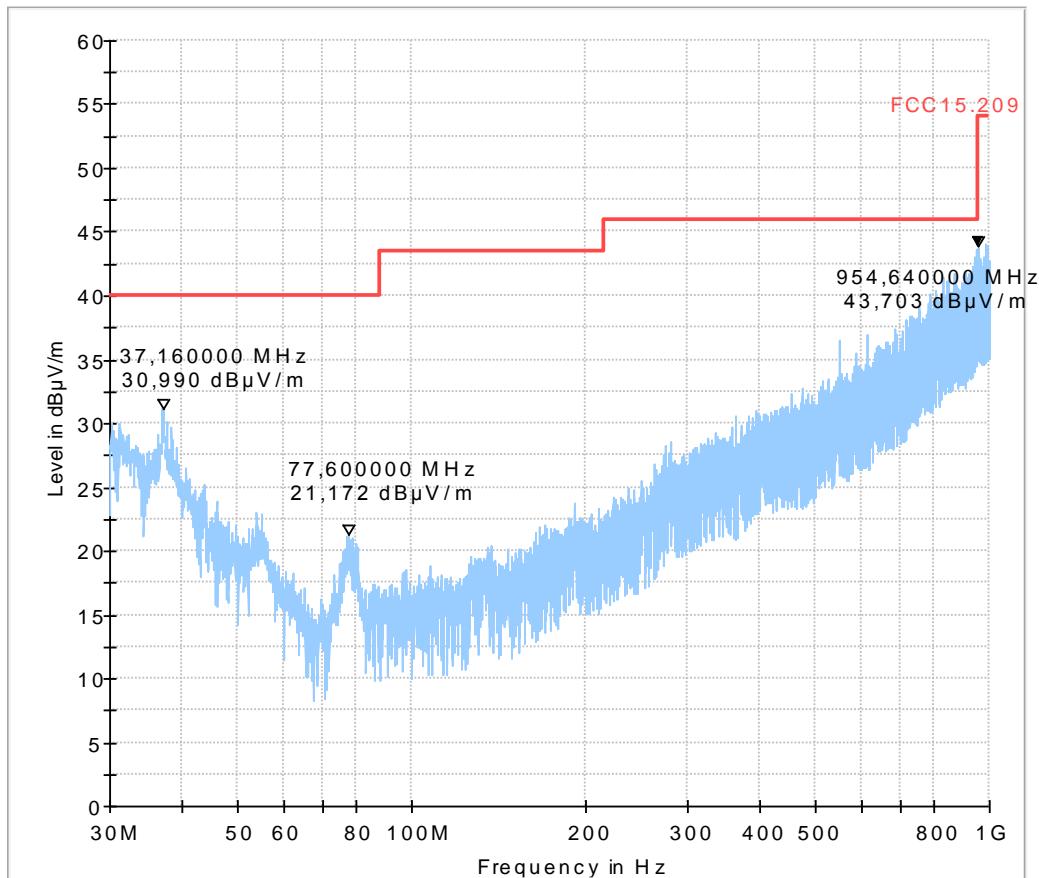
Full Spectrum

Diagram No. 3.38_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch157-+20dBm**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 15.205 § 15.209
Operating Mode	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator:	RIs
Operating conditions:	Humidity: 35%RH; Temperature: 20°C

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01723
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

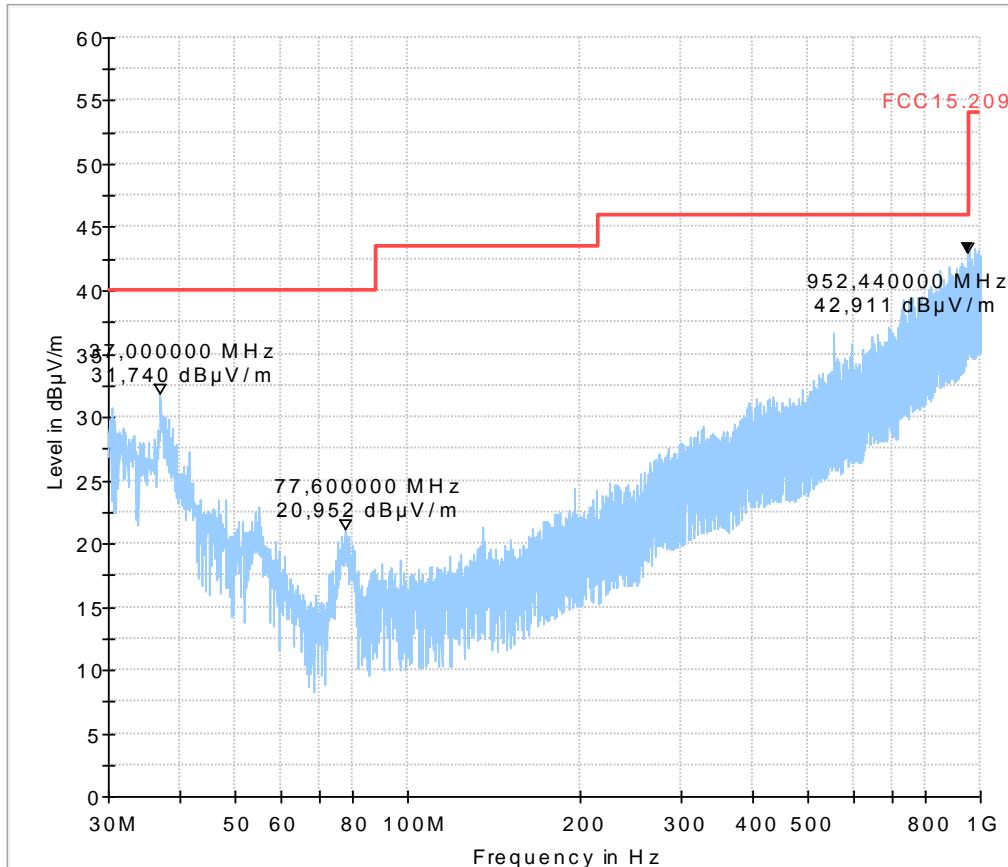


Diagram No. 3.39_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch46-+20dBm**Common Information**

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 15.205 § 15.209
Operating Mode Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
Operator: APh
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

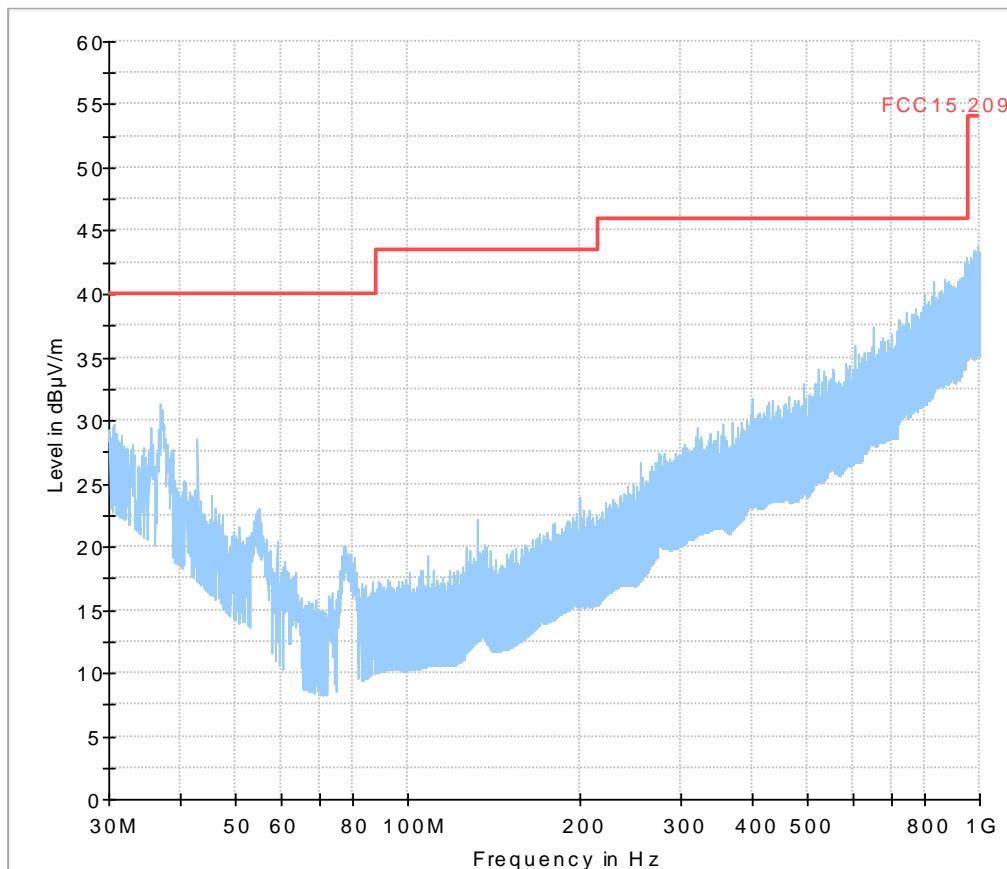


Diagram No. 3.40_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch54-+20dBm**Common Information**

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 15.205 § 15.209
Operating Mode Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
Operator: Mah
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

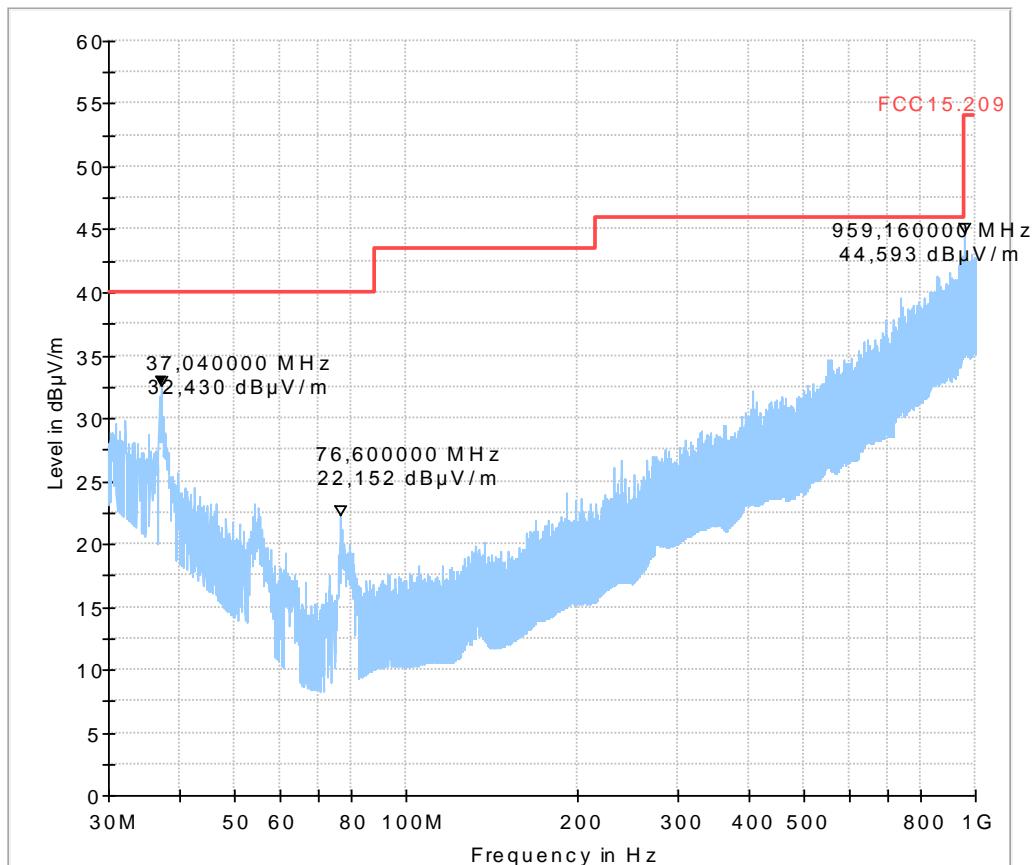


Diagram No. 3.41_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch110-+20dBm**Common Information**

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 15.205 § 15.209
Operating Mode Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
Operator: Mah
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

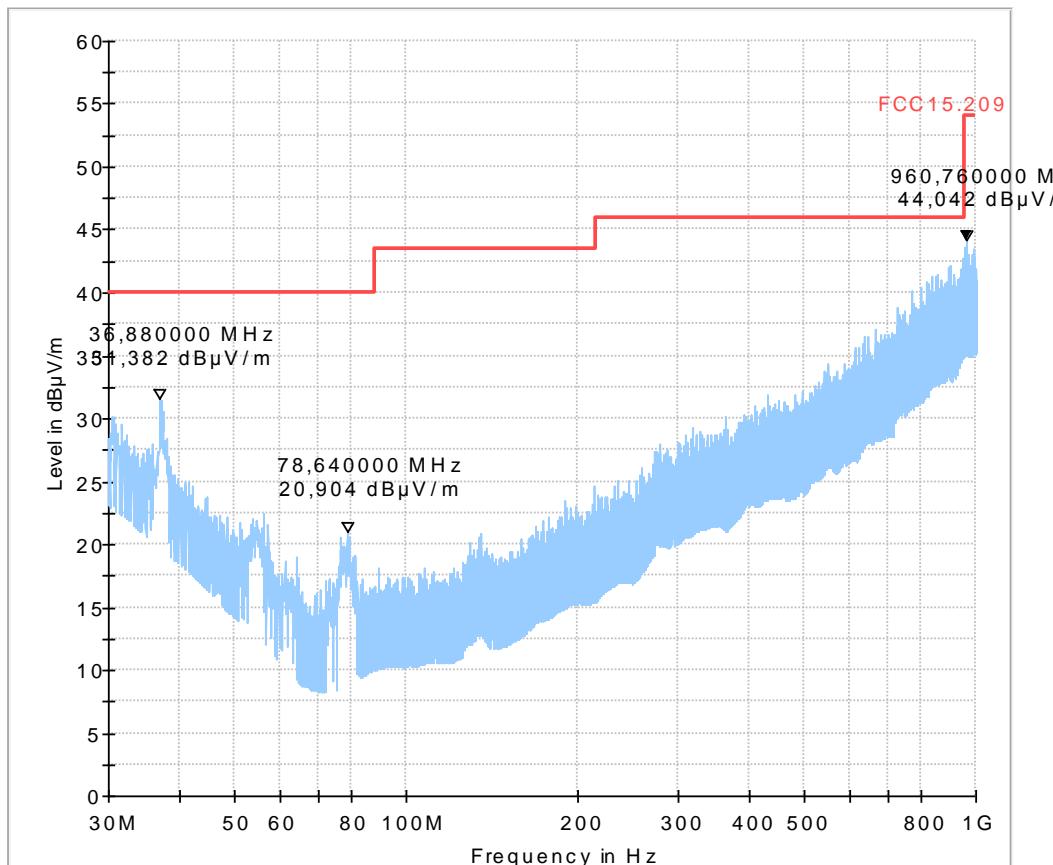
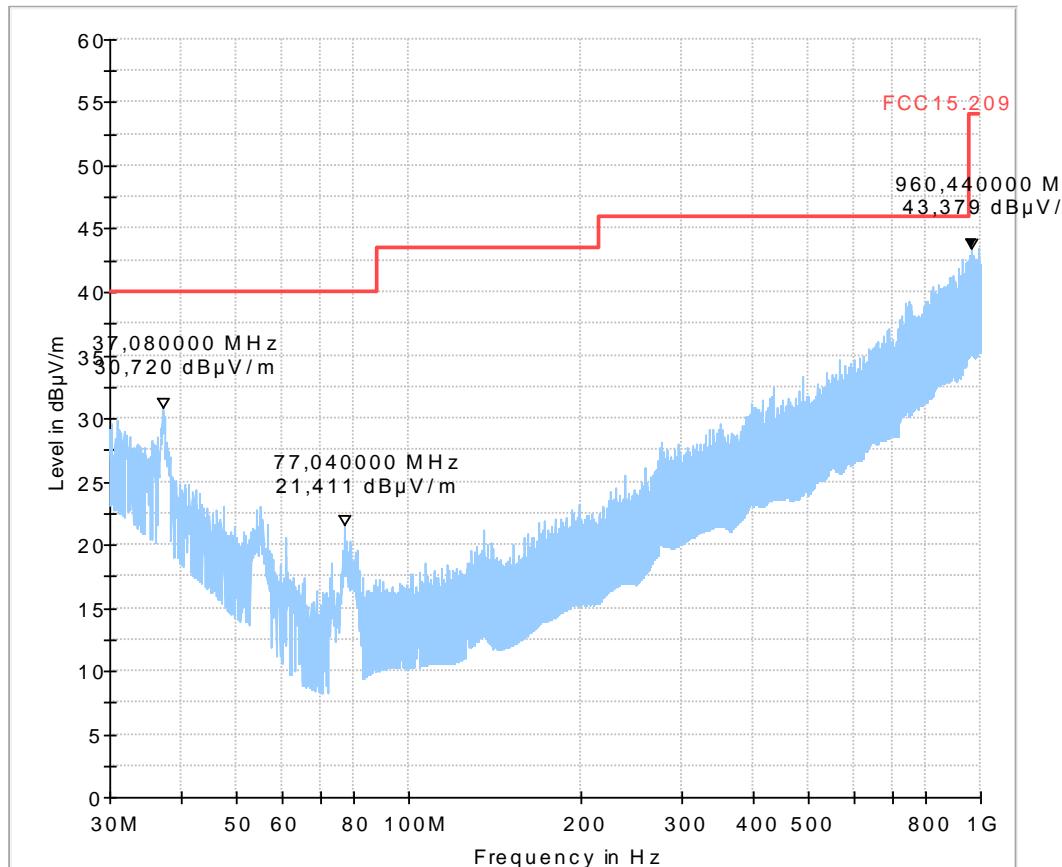
Full Spectrum

Diagram No. 3.42_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch159-+20dBm**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 15.205 § 15.209
Operating Mode Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
Operator: Mah
Operating conditions: Humidity: 35%rH; Temperature: 20°C

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01723
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

2.3. Radiated Field Strength Emissions – 1 GHz to 7 GHz

Diagram No.: 4.31_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch48-+20dBm

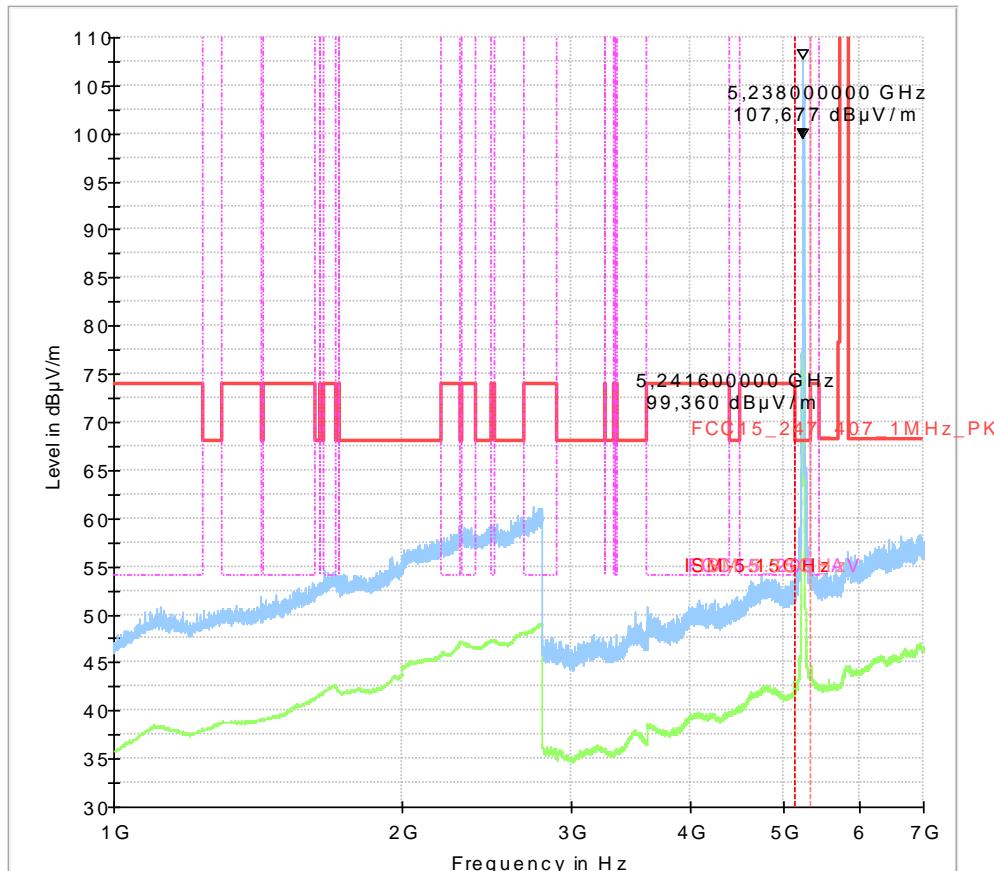
Common Information

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name: KIV

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



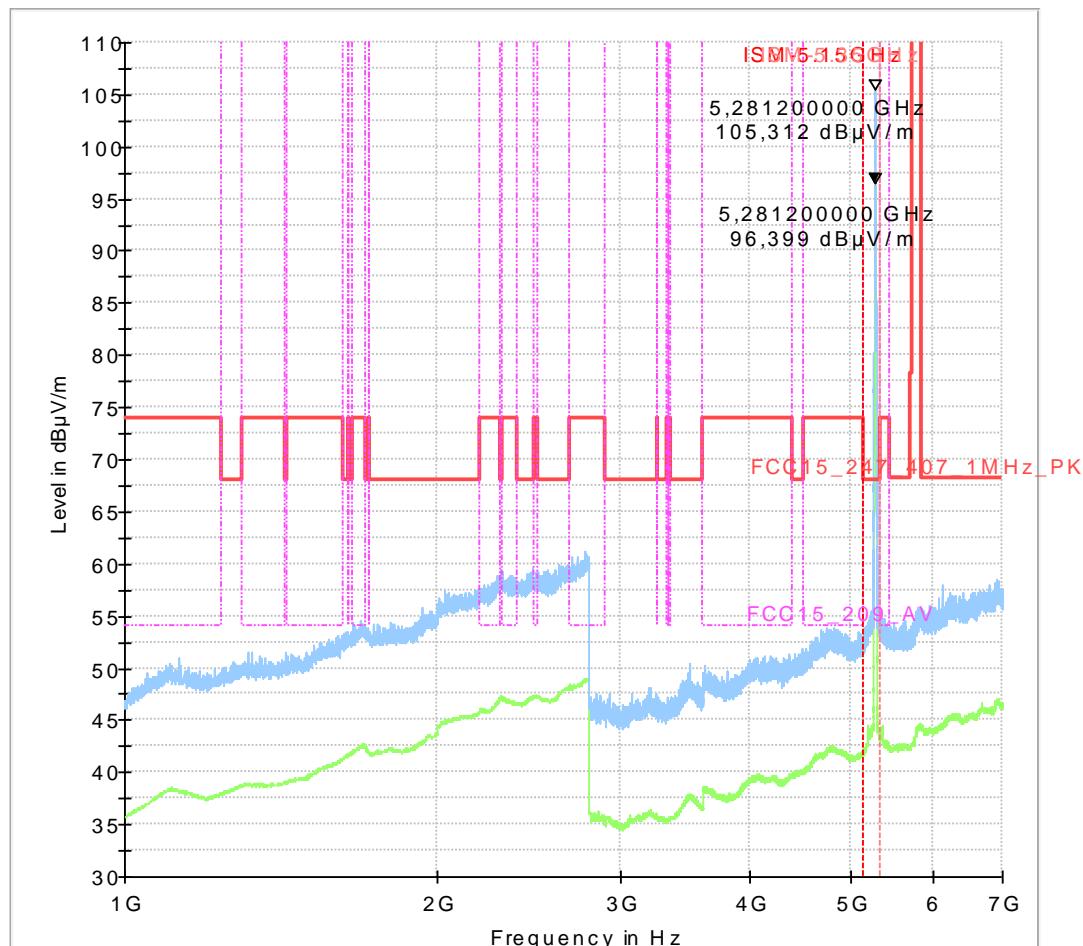
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.32_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch56+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
 Operator Name: KIV

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


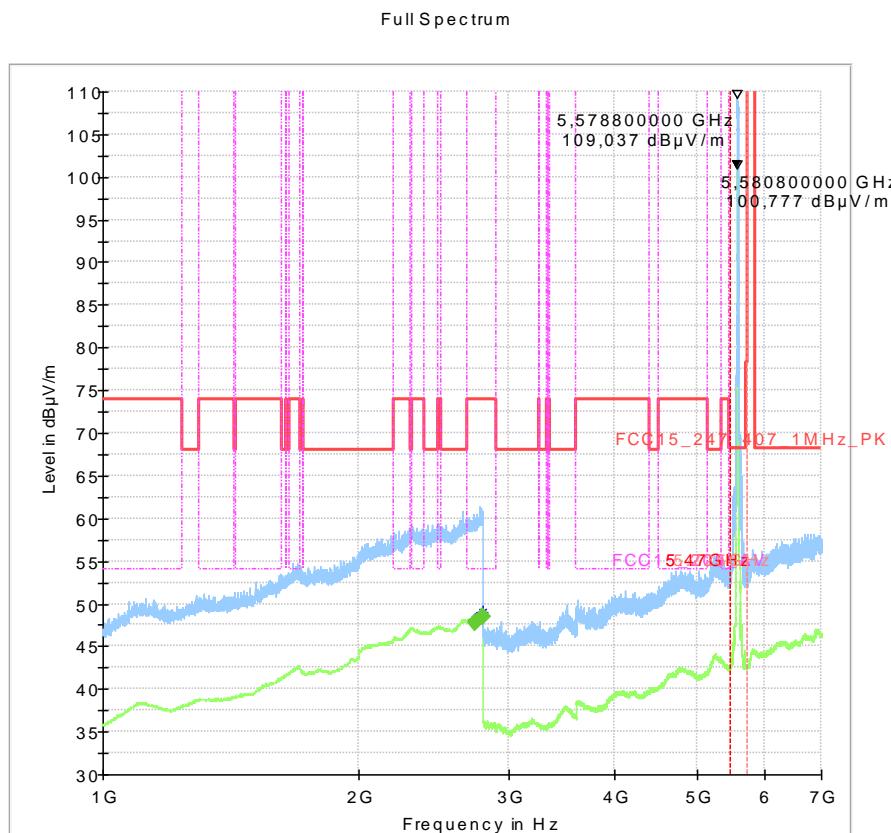
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.33_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch116+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dB
 Operator Name: KIV

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final Result

Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2740.150000	47.80	54.00	6.20	100.0	1000.000	155.0	H	79.0	0.0	43.5
2795.850000	48.45	54.00	5.55	100.0	1000.000	155.0	V	73.0	0.0	44.1

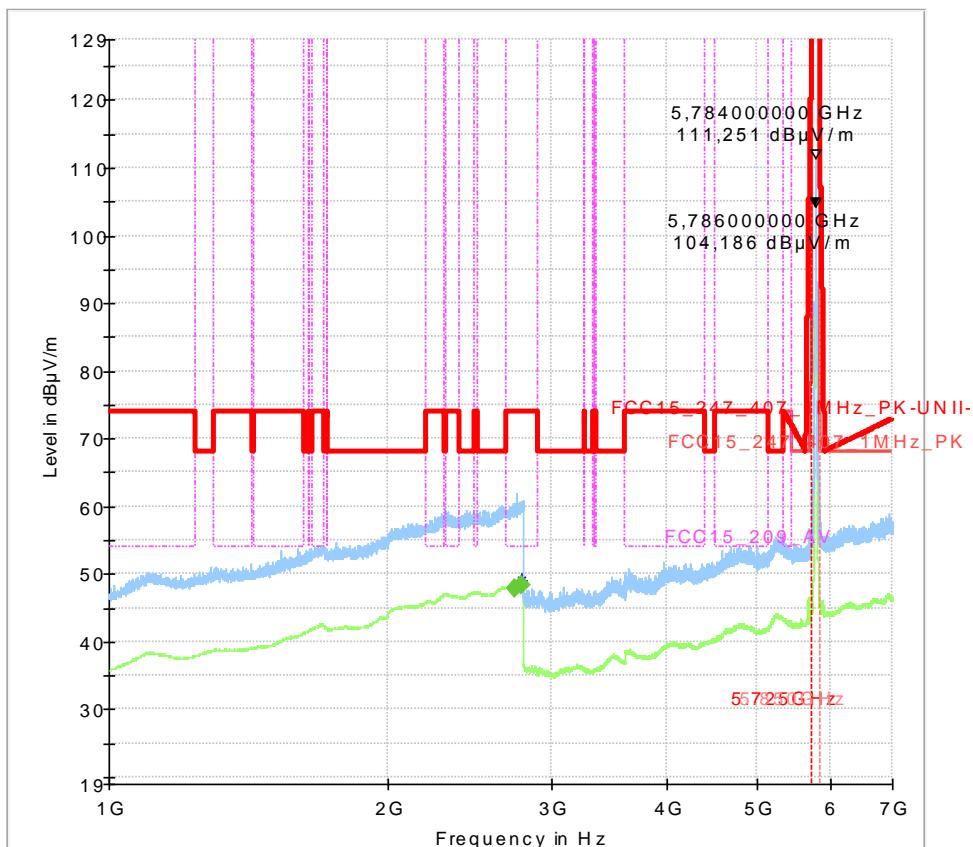
Diagram No.: 4.34_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-6Mbit-Ch157-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
 Operator Name: KIV

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final Result

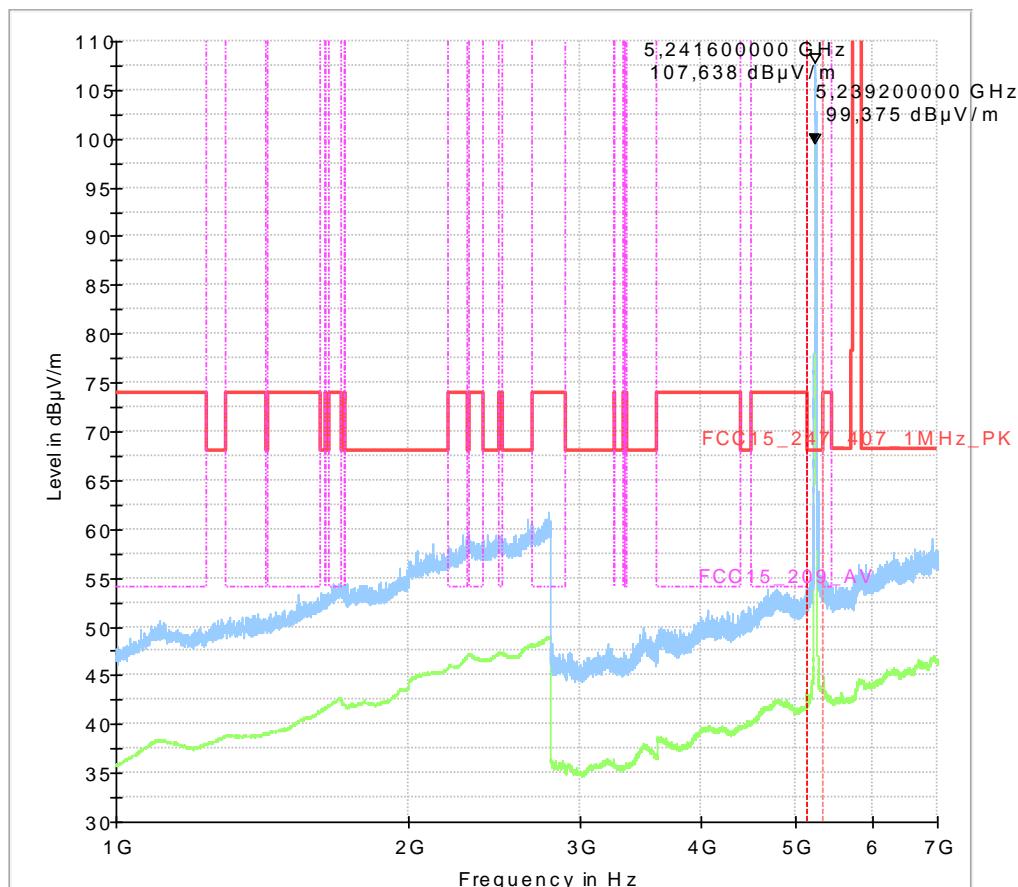
Frequency (MHz)	RMS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2740.400000	47.82	54.00	6.18	100.0	1000.000	155.0	V	252.0	0.0	43.5
2790.400000	48.45	54.00	5.55	100.0	1000.000	155.0	V	154.0	0.0	44.0

Diagram No.: 4.35_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch48-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
 Operator Name: KIV

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


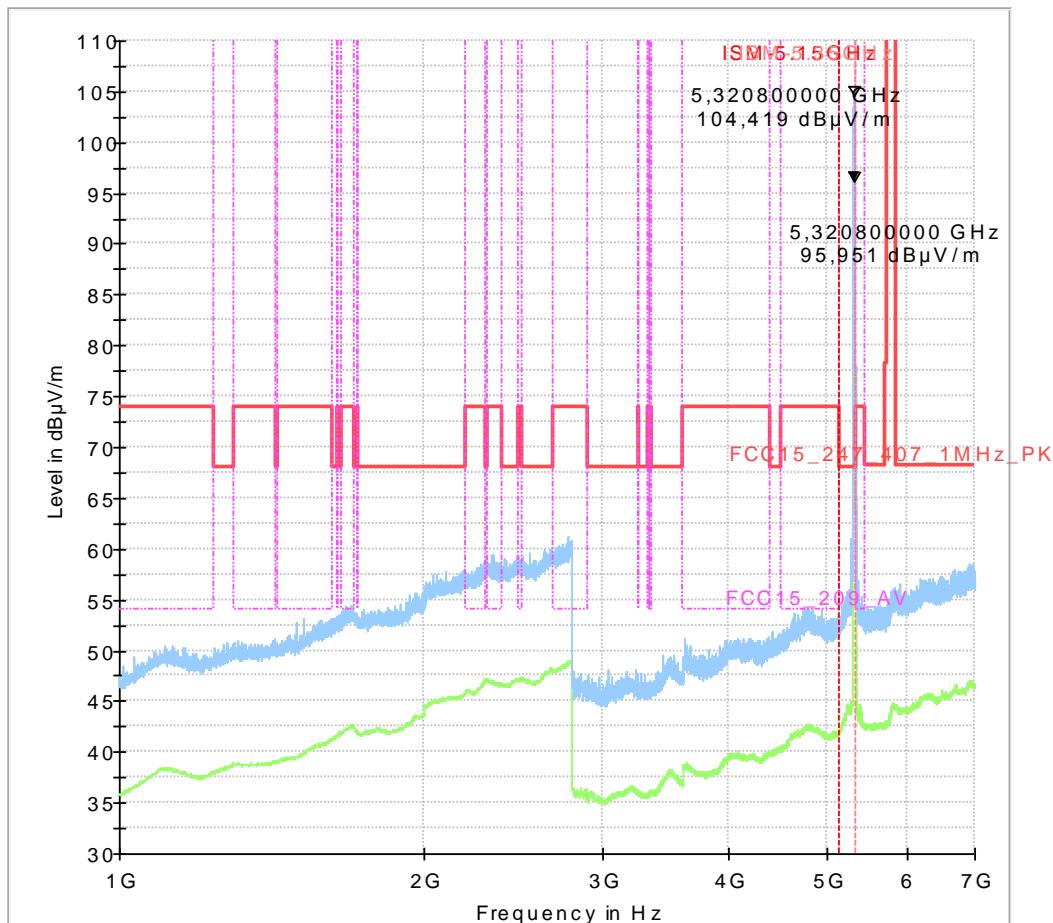
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.36_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch64-+20dBm**Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 64 (5320 MHz)- PWR+20dBm
Operator Name: Mah

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

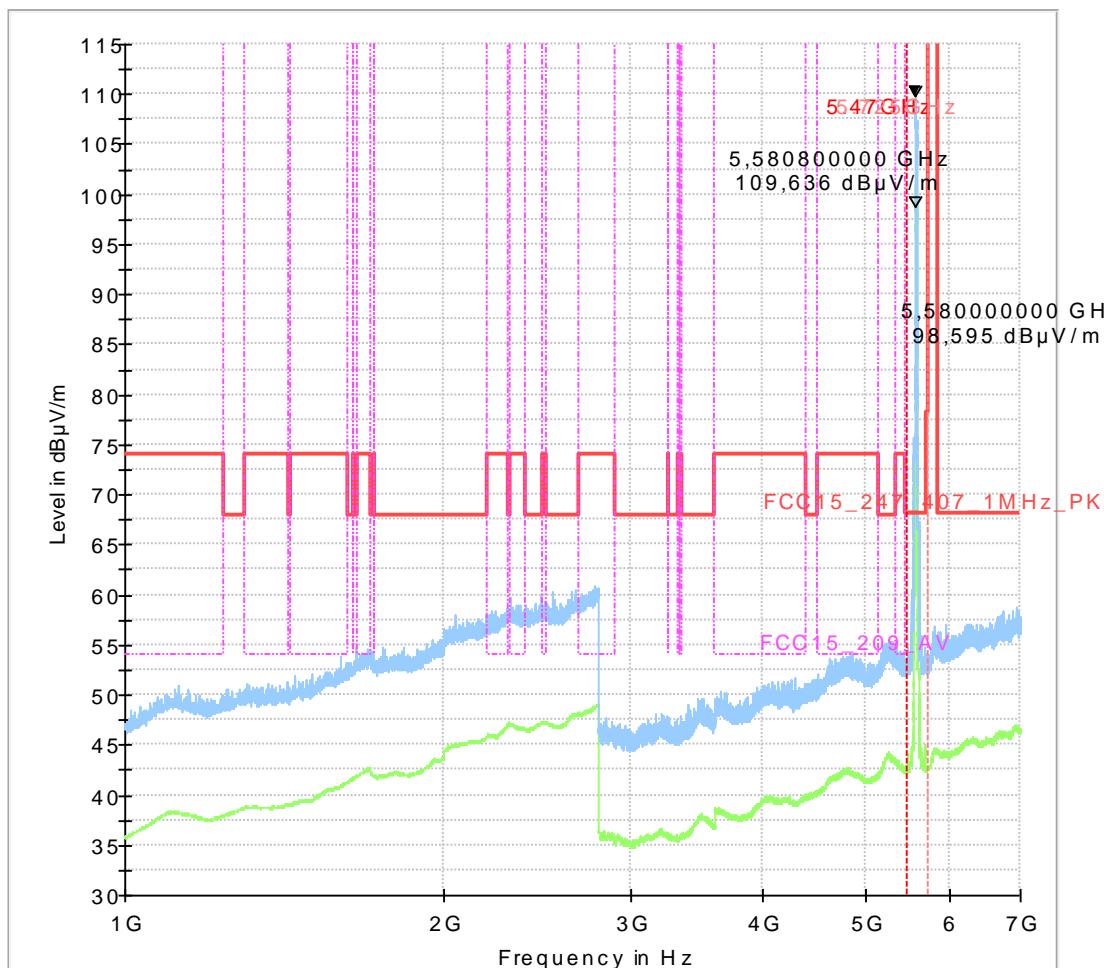
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.37_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch116-+20dBm**Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name: Mah

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

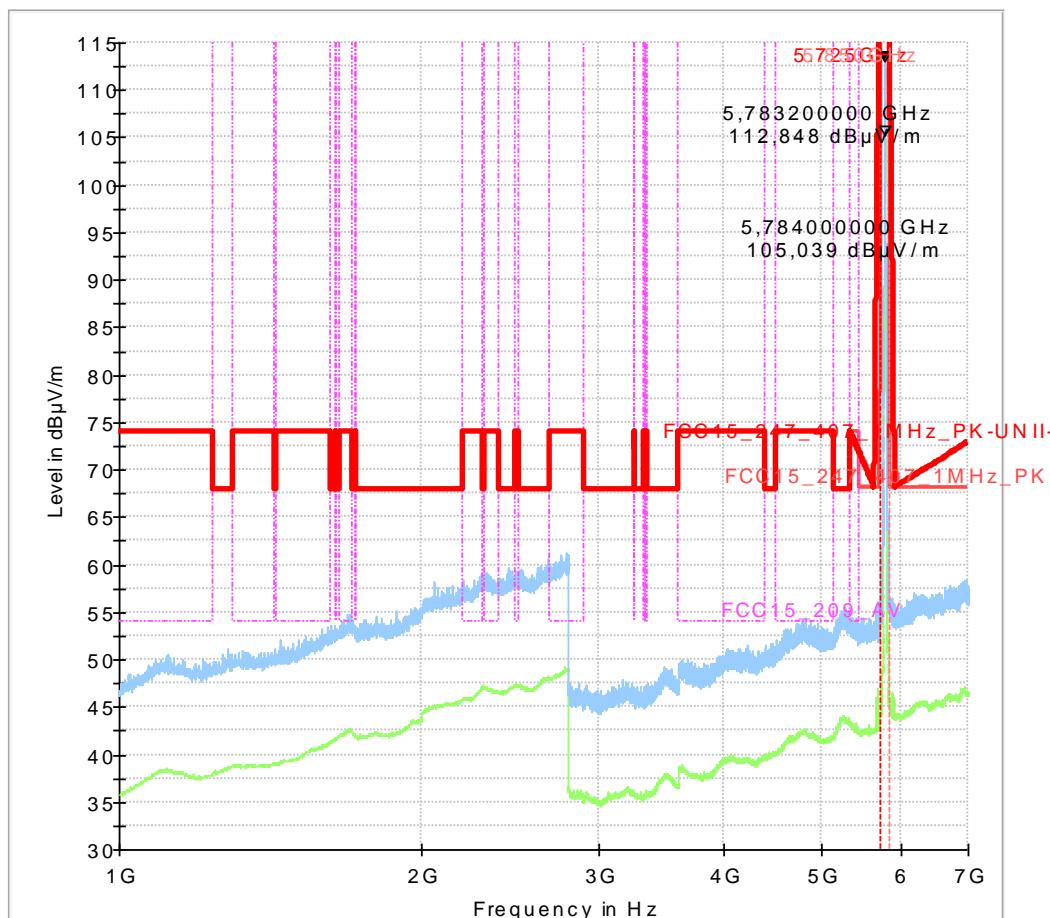
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.38_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch157-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
 Operator Name: Mah

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


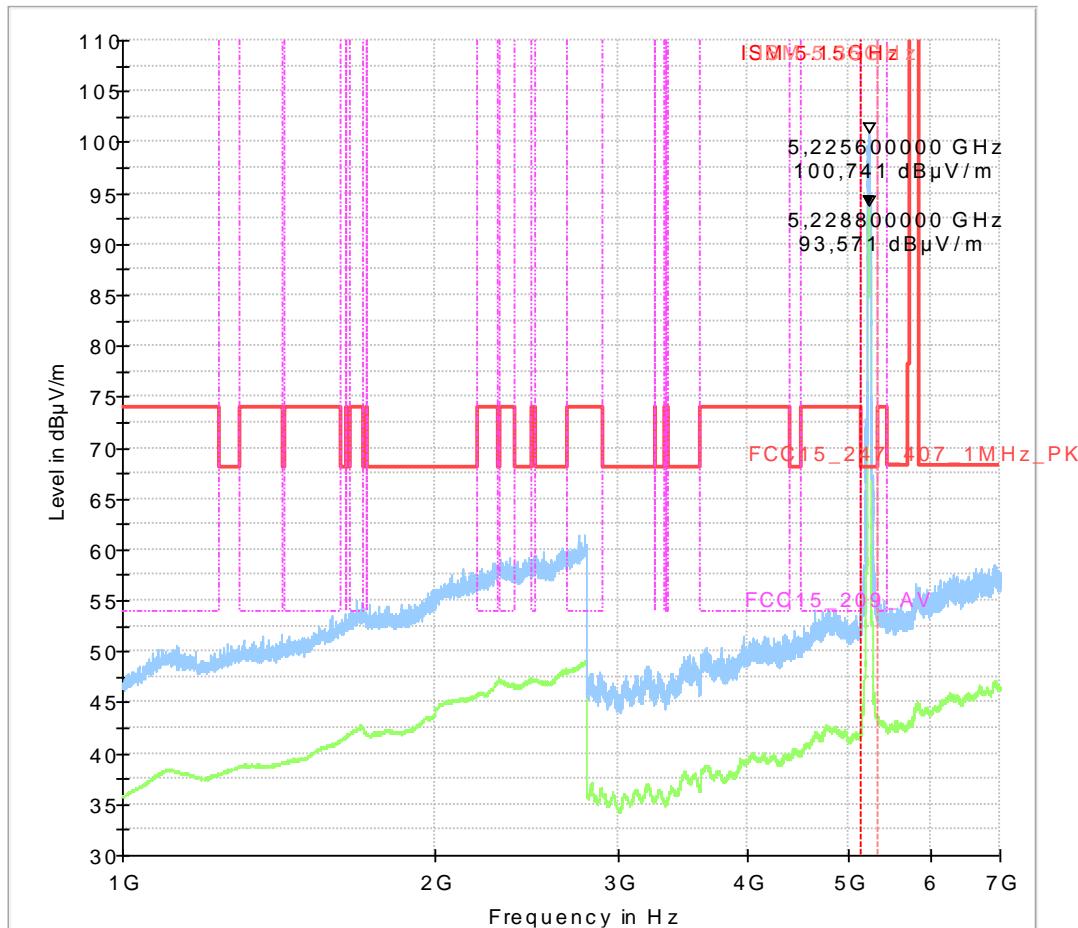
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.39_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch46-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
 Operator Name: KIV

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


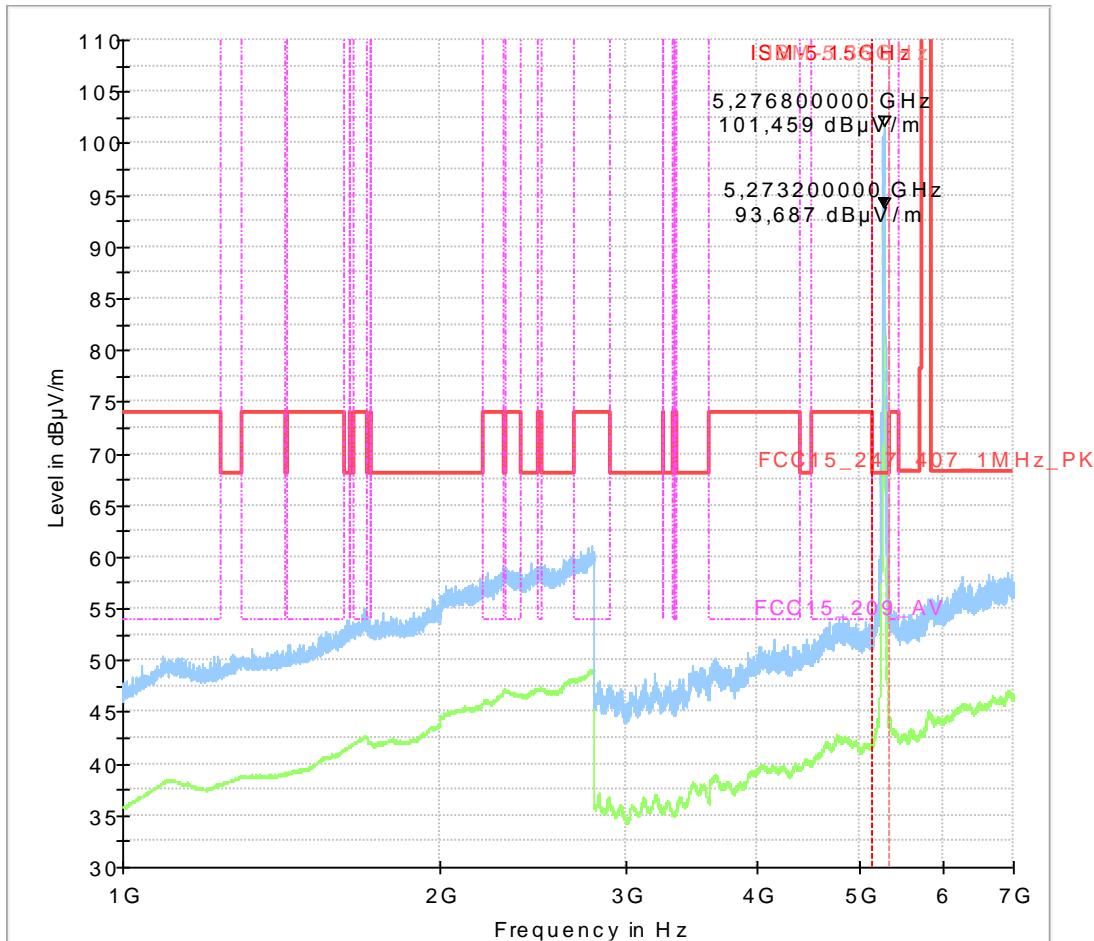
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.40_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch54-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
 Operator Name: Klv

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


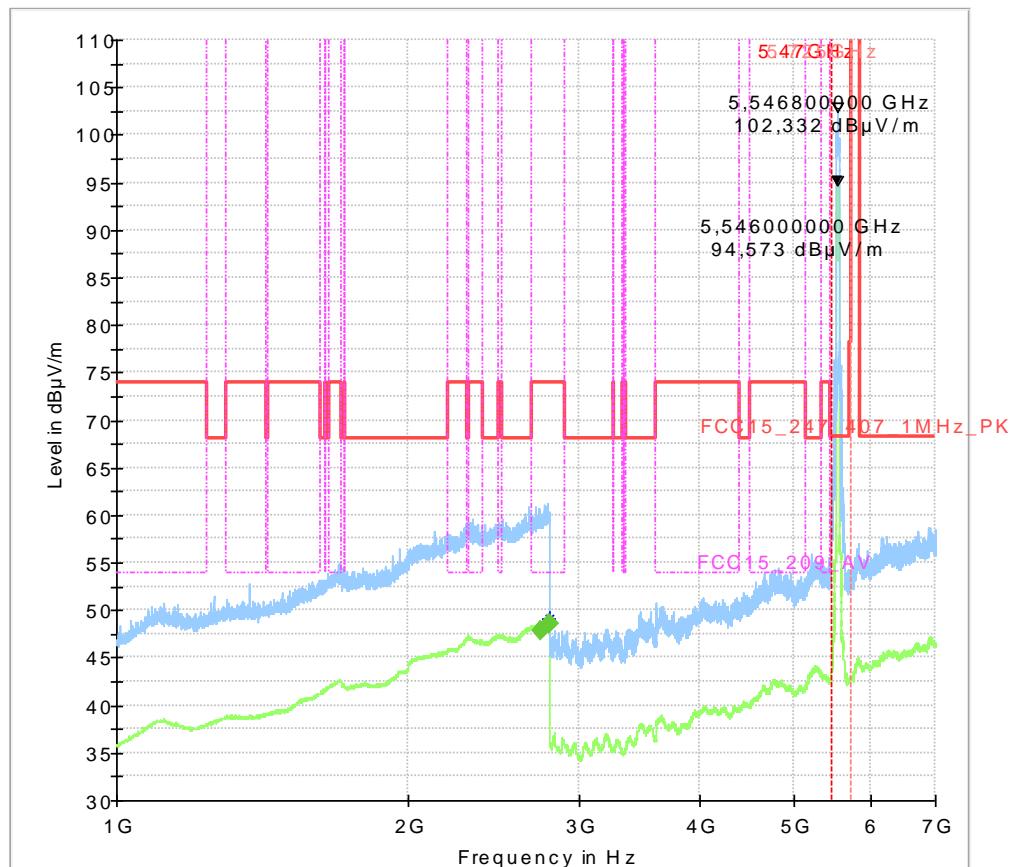
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.41_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch110-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
 Operator Name: Mah

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final_Result

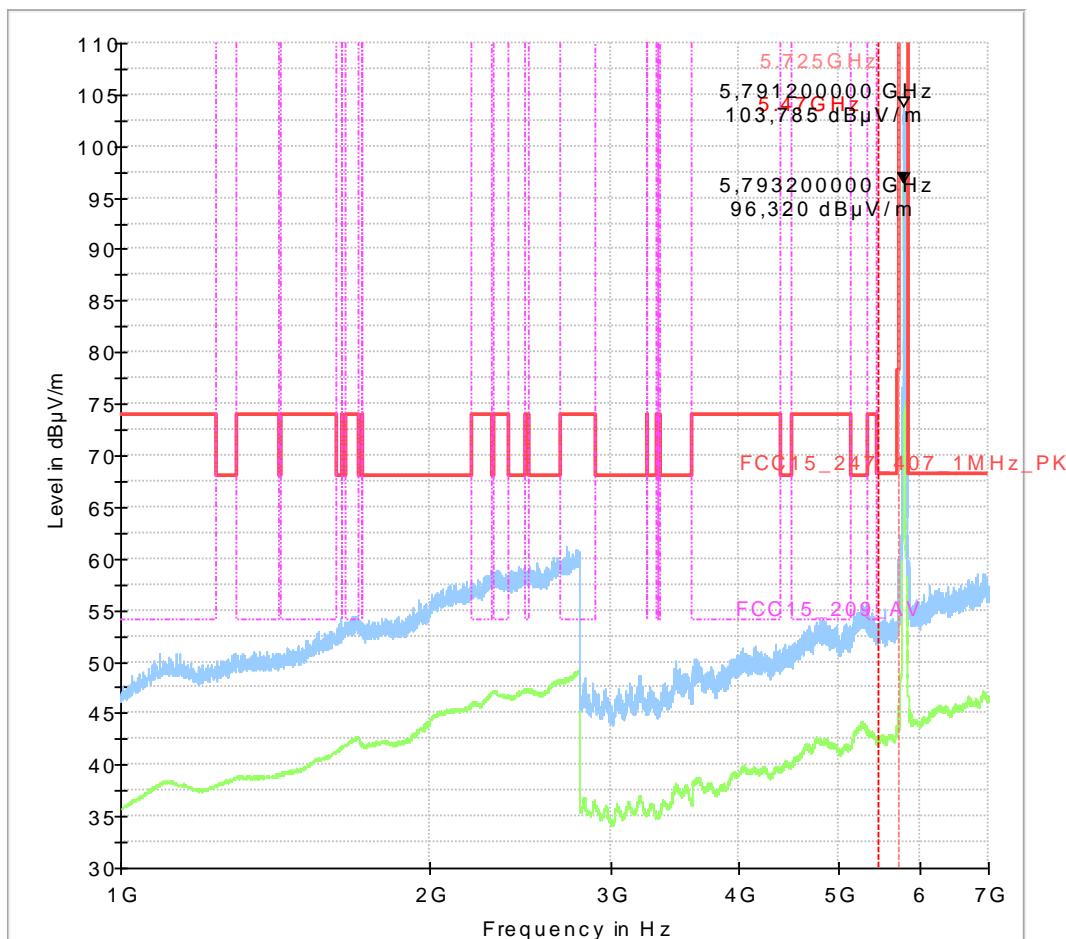
Frequency (MHz)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2735.900000	47.91	54.00	6.09	100.0	1000.000	155.0	H	214.0	0.0	43.4
2798.800000	48.59	54.00	5.41	100.0	1000.000	155.0	V	6.0	90.0	44.1

Diagram No.: 4.42_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch159-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
 Operator Name: Mah

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

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

Diagram No.: 4.31a_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch48+-20dBm

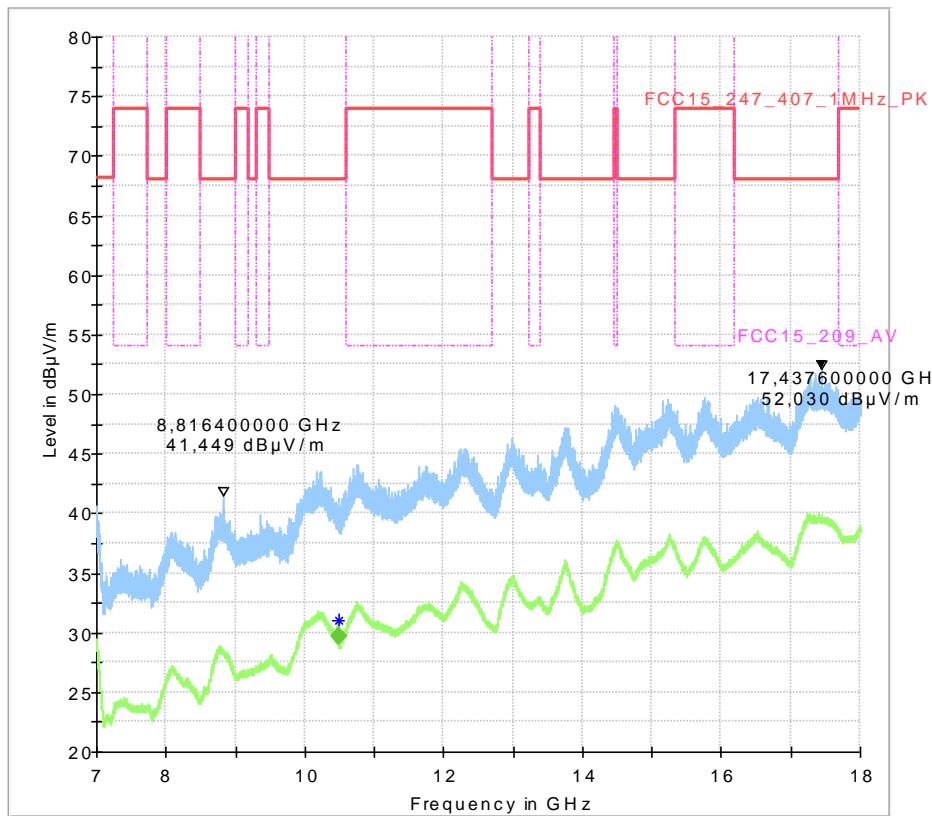
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	SRa

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
Eut Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final Result

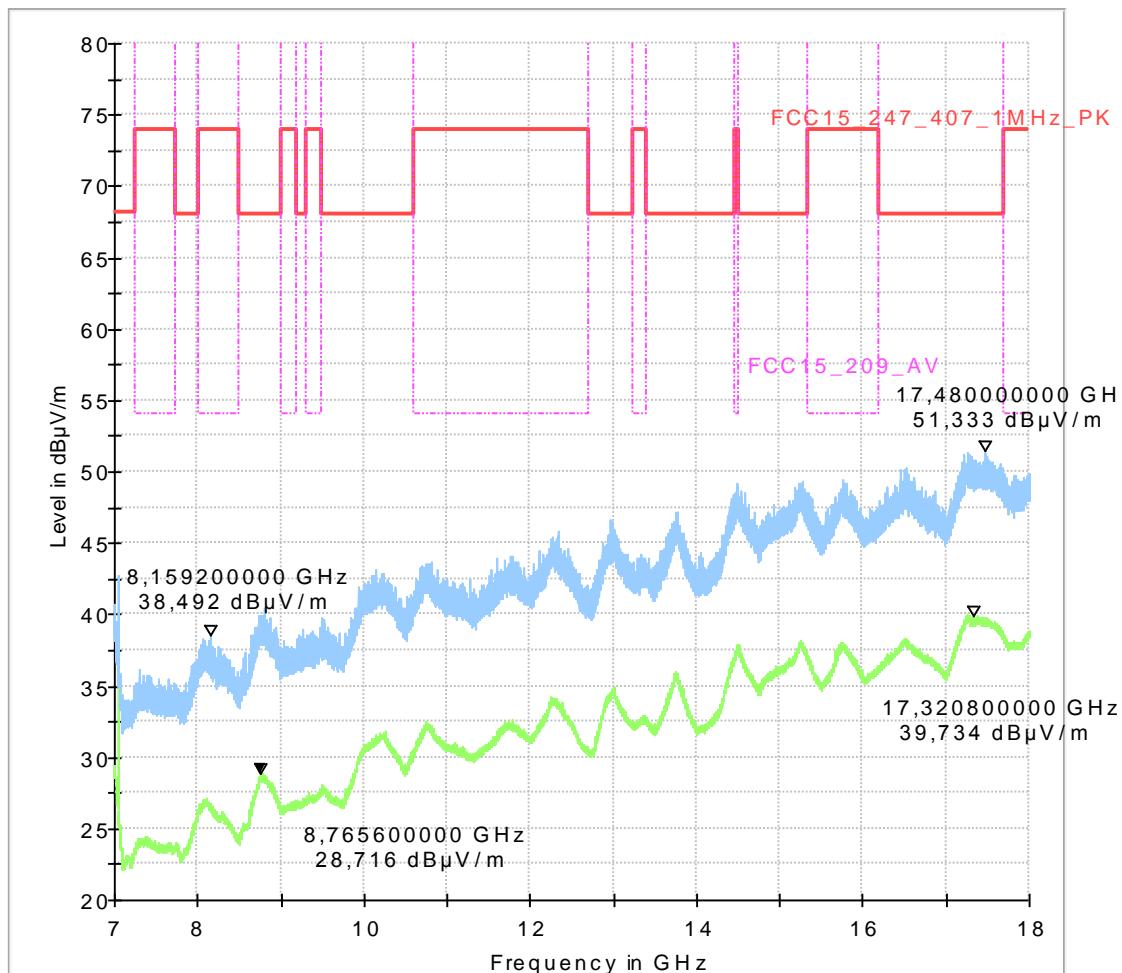
Frequency (MHz) + Duty Cycle Correction	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Elevation (deg)
10479.8000 00	30.41	150.00	119.59	100.0	1000.000	155.0	V	163.0	4.1	0.0

Diagram No.: 4.32a_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch56+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
 Operator Name: SRa

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


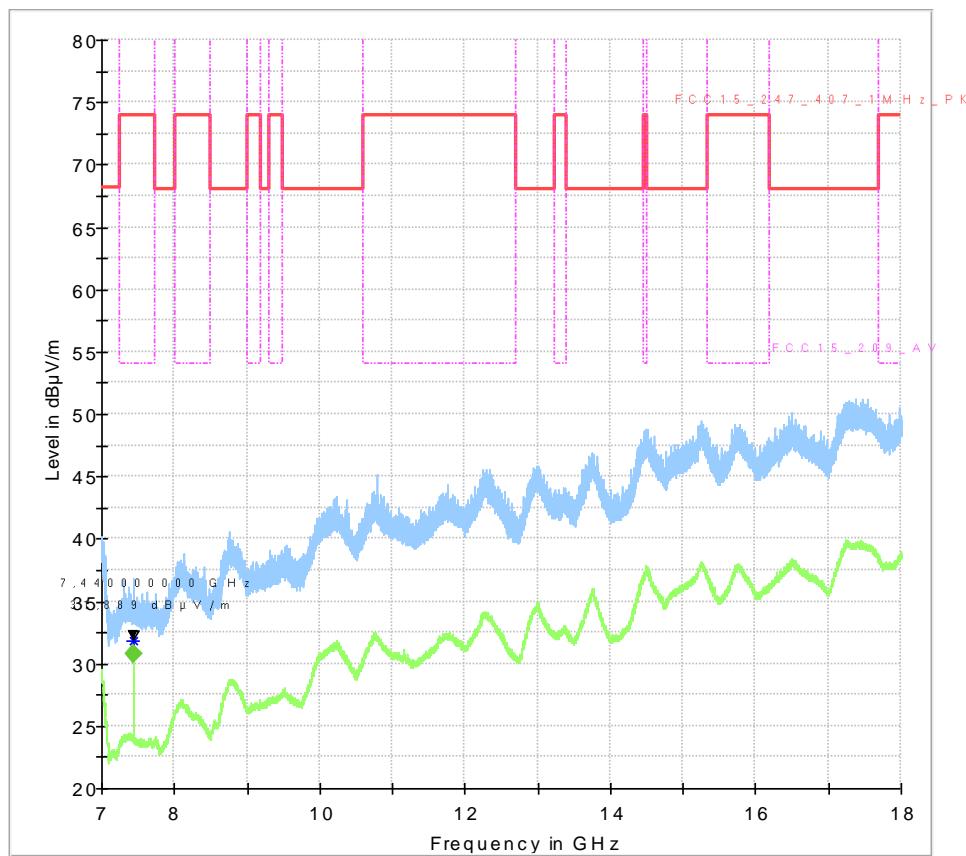
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.33a_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch116-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
 Operator Name: SRa

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final_Result

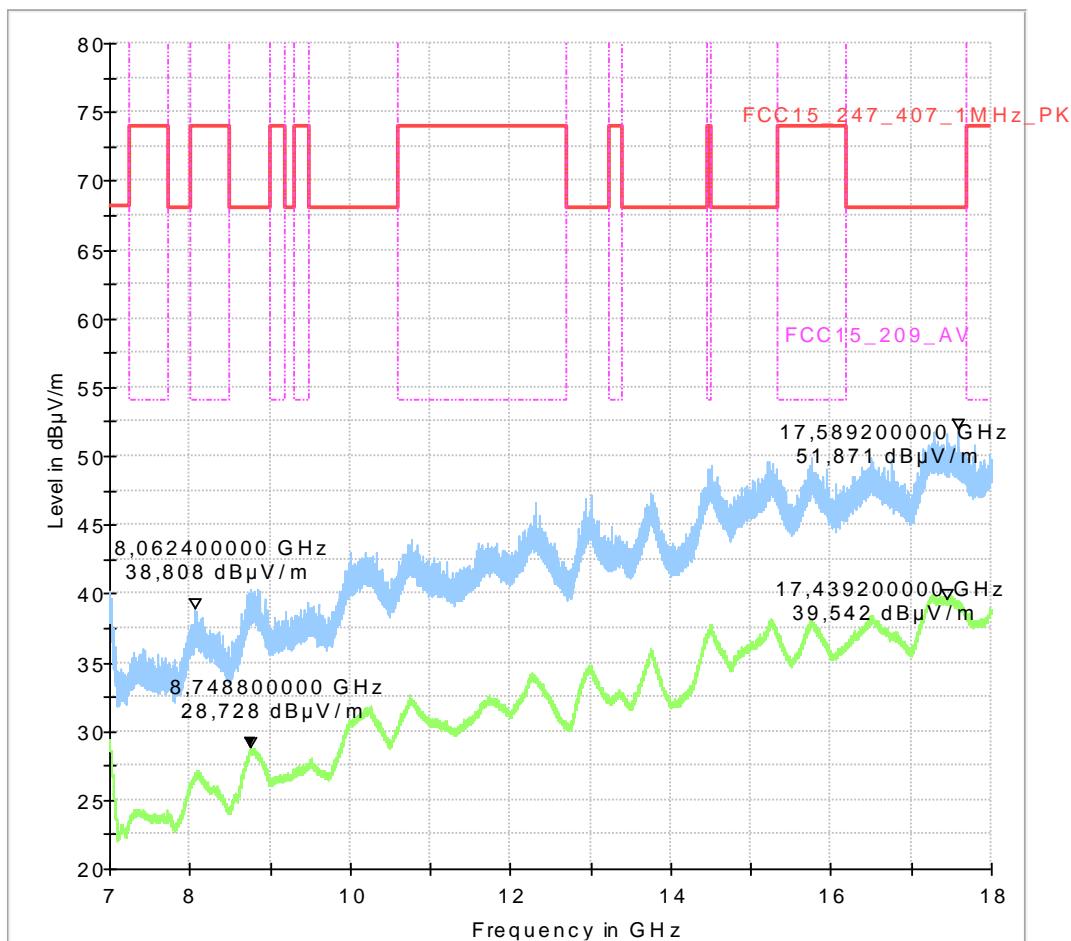
Frequency (MHz)	RMS ($\text{dB}\mu\text{V}/\text{m}$) + Duty Cycle Correction	Limit ($\text{dB}\mu\text{V}/\text{m}$)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Elevation (deg)
7440.200000	31.50	54.00	22.50s	100.0	1000.000	155.0	V	232.0	-1.9	0.0

Diagram No.: 4.34a_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-6Mbit-Ch157+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
 Operator Name: APH/DLe

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


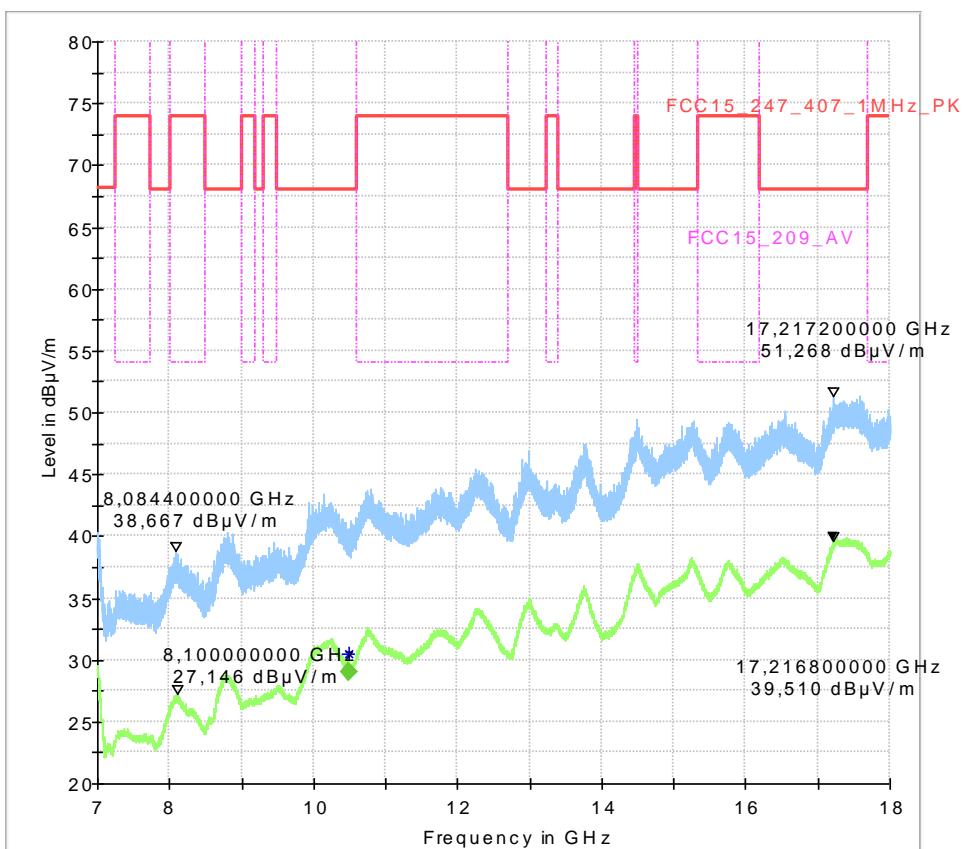
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.35a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch48-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
 Operator Name: SLo

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final Result

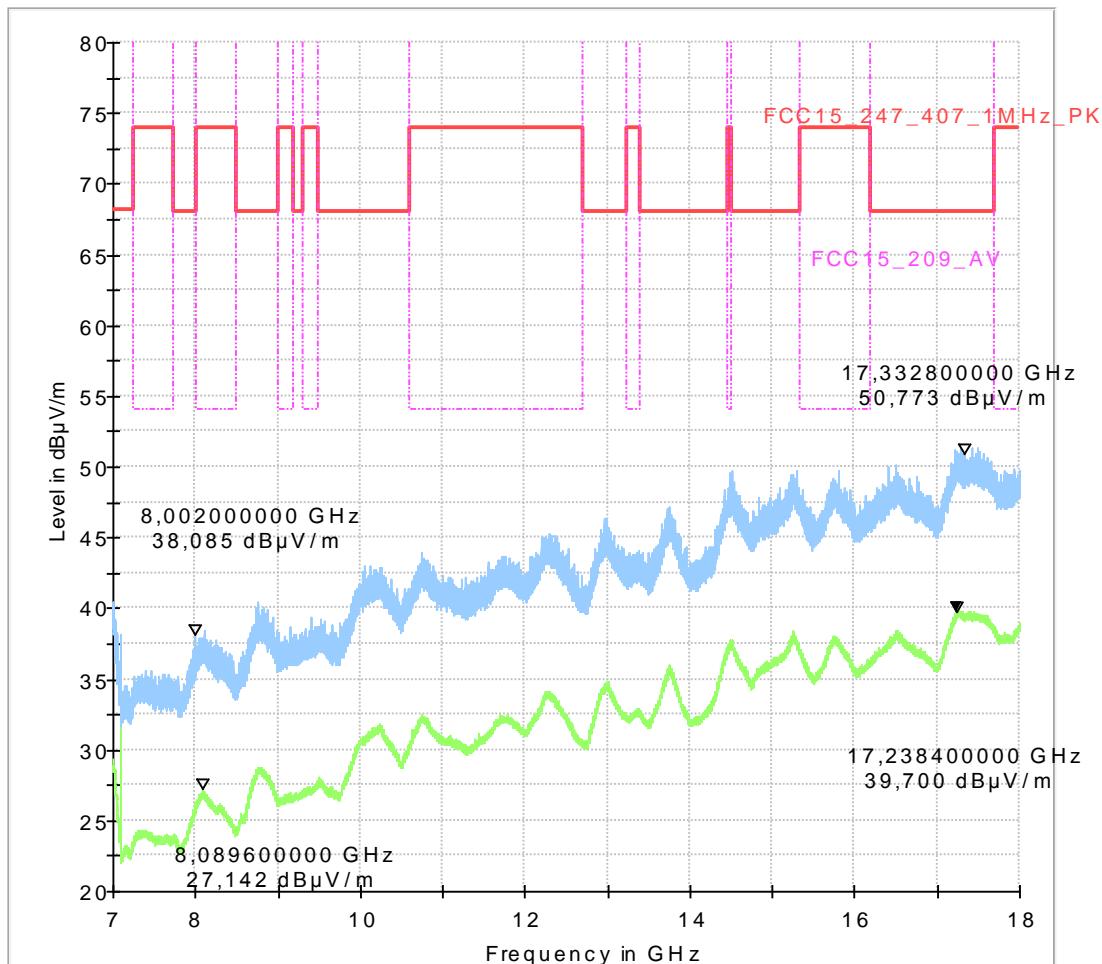
Frequency (MHz)	RMS (dB μ V/m) + Duty Cycle Correction	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Corr. (dB)	Azimuth (deg)	Elevation (deg)
10480.600000	29.83	150.00	120.17	100.0	1000.000	155.0	V	4.1	16.0	90.0

Diagram No.: 4.36a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch64+-20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 64 (5320 MHz)- PWR+20dBm
 Operator Name: SLo

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


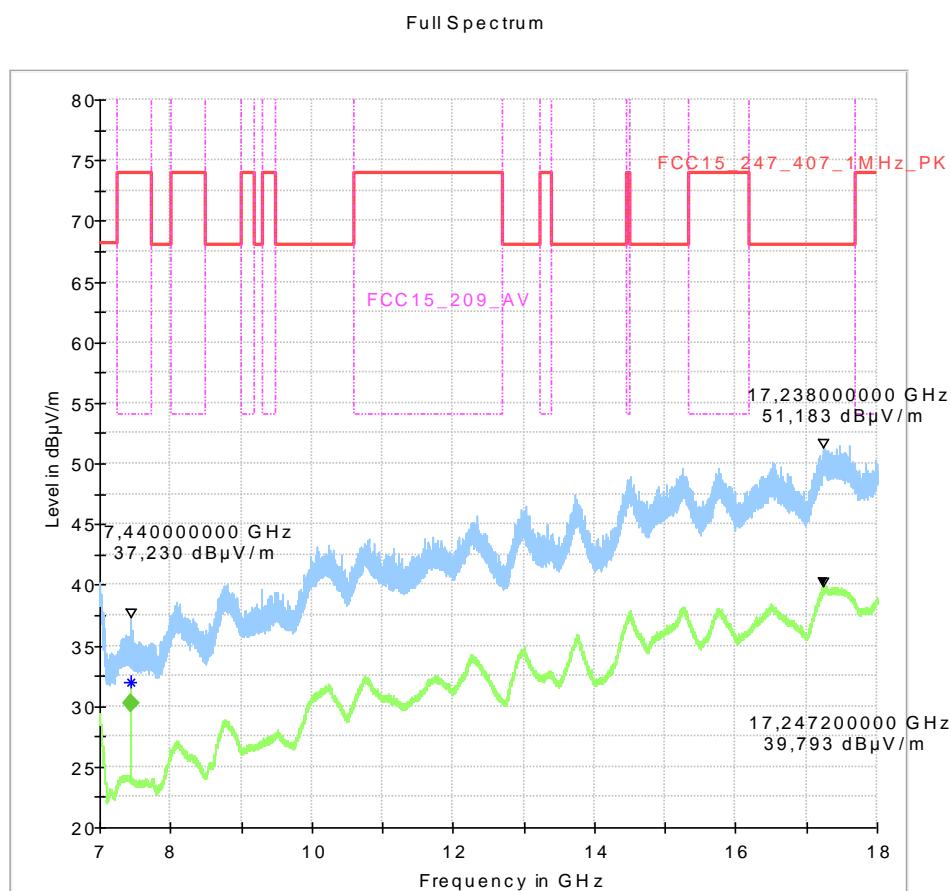
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.37a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch116-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
 Operator Name: SLo

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final Result

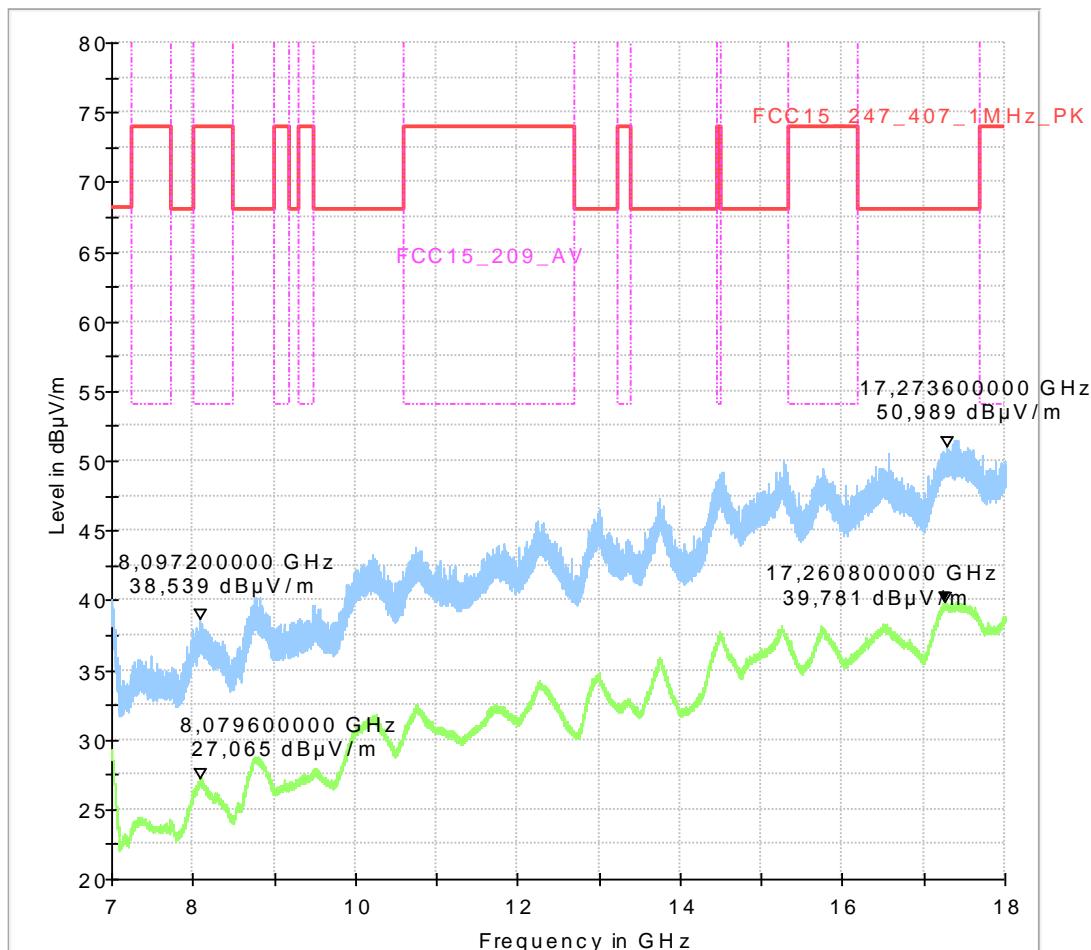
Frequency (MHz)	RMS (dB μ V/m) + Duty Cycle Correction	Limit (dB μ V /m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
7439.800000	31.61	54.00	22.39	100.0	1000.000	155.0	H	300.0	90.0	-1.9

Diagram No.: 4.38a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch157+-20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
 Operator Name: SLo

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.39a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch46-+20dBm

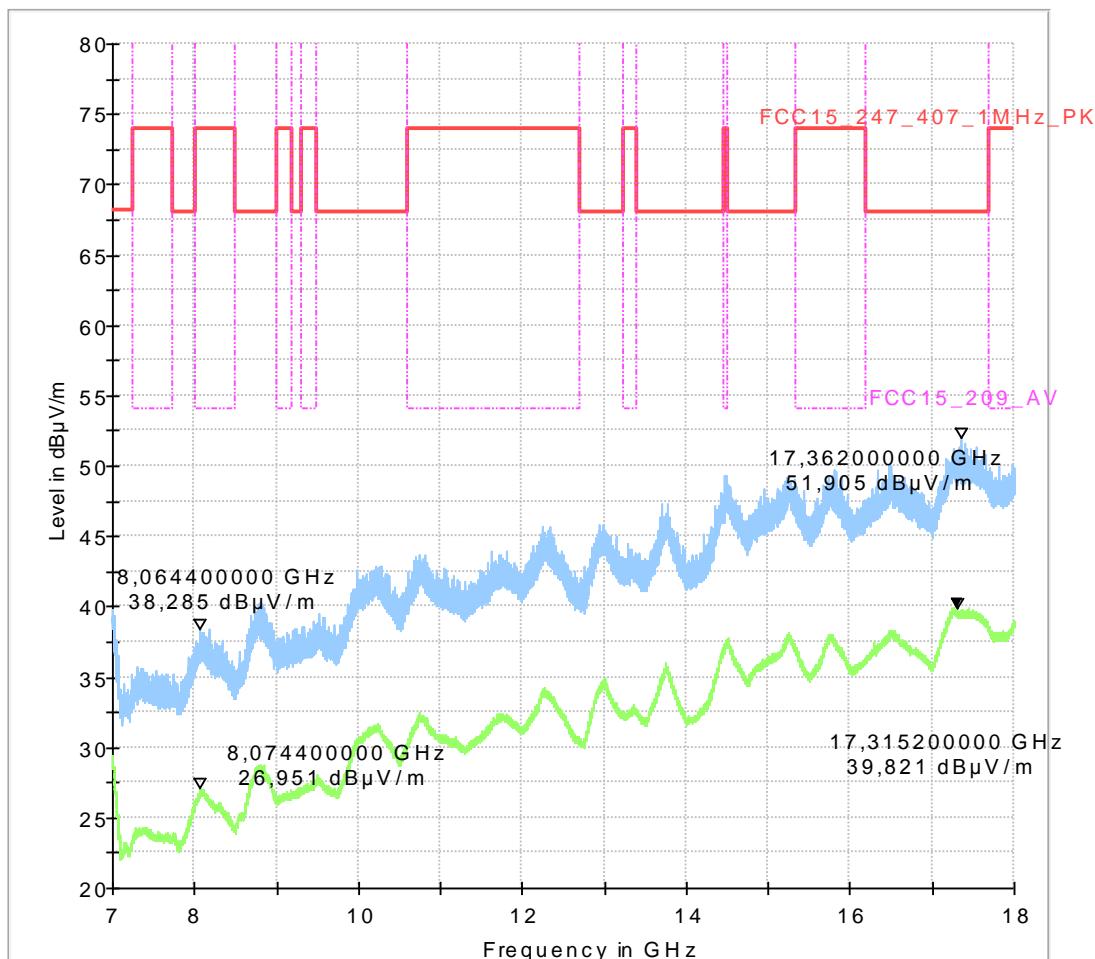
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
 Operator Name: AFr

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



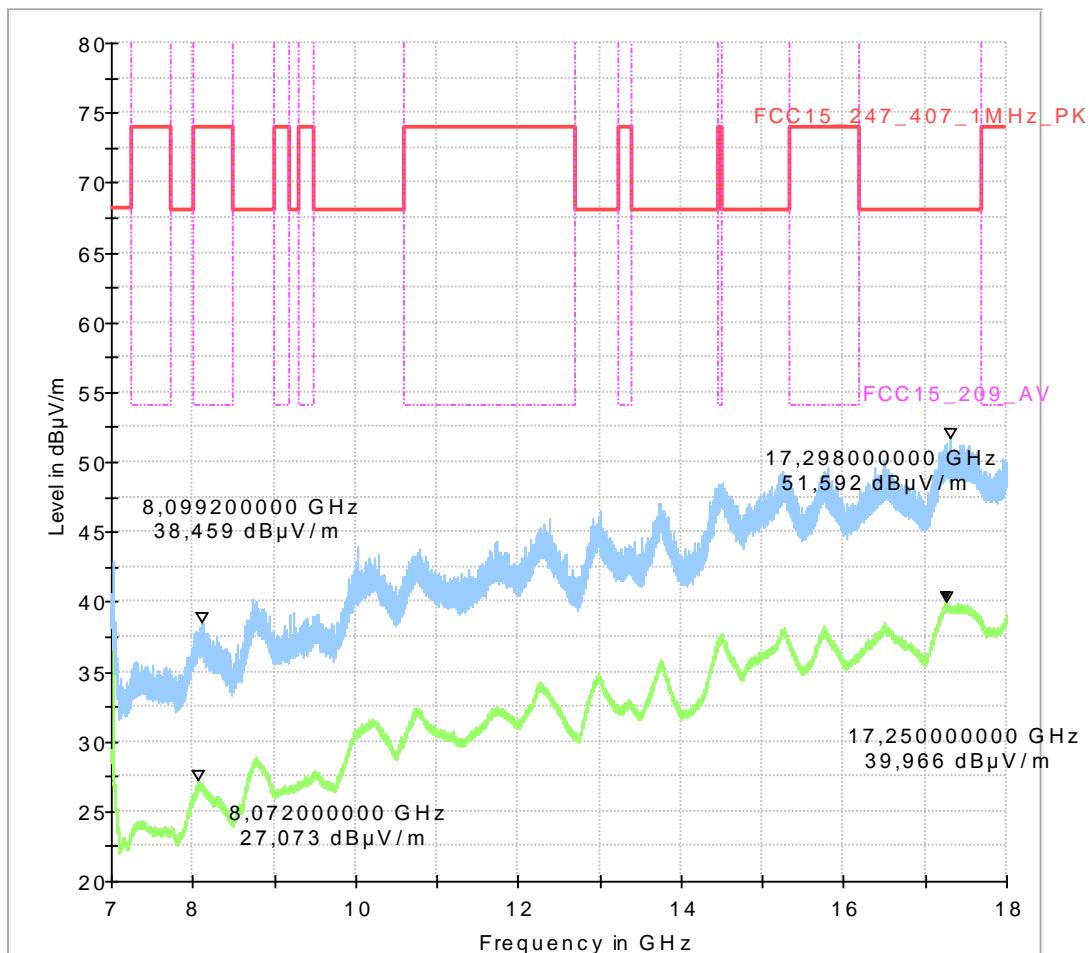
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.40a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch54-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
 Operator Name: AFr

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


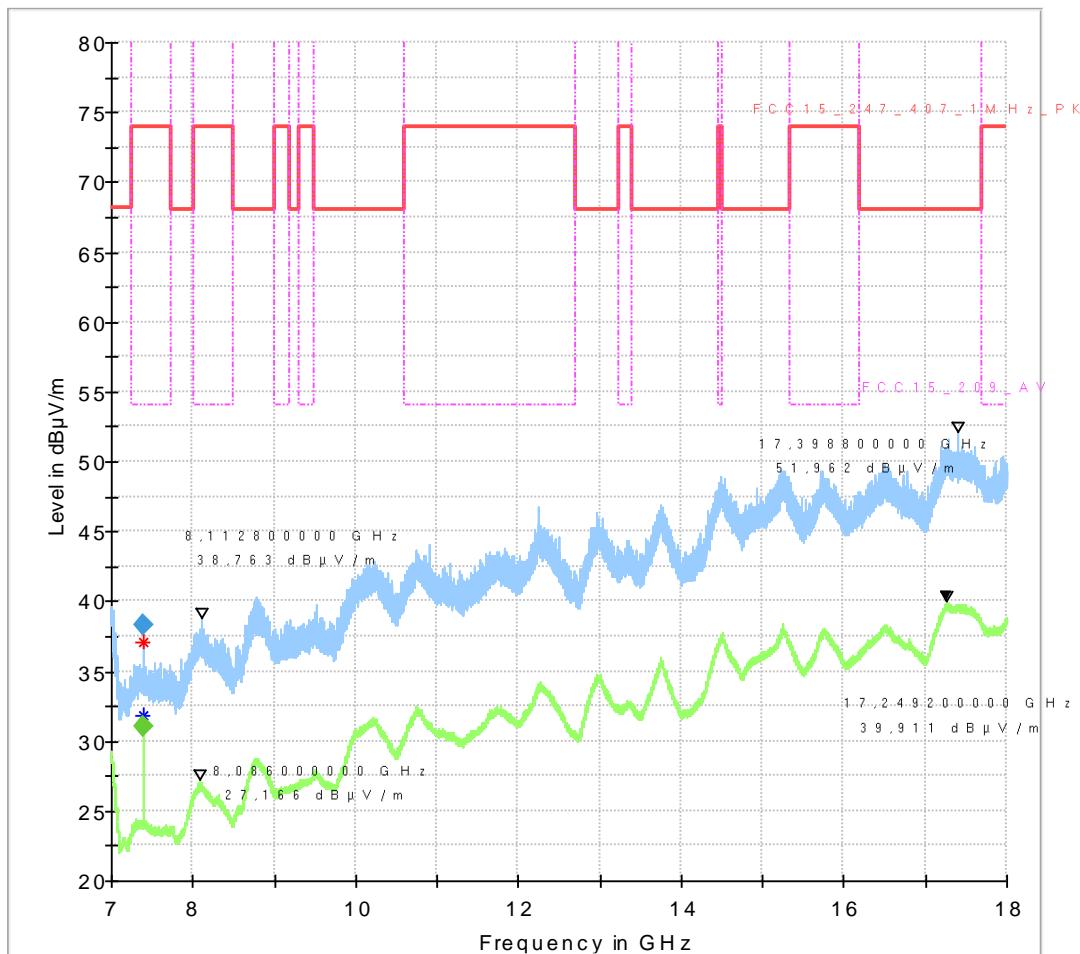
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.41a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch110-+20dBm
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
 Operator Name: AFr

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum


For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Final_Result

Frequency (MHz)	MaxPeak (dB μ V/m)	RMS (dB μ V/m) + Duty Cycle Correction	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
7399.800000	---	31.52	54.00	22.48	100.0	1000.000	155.0	V	232.0	0.0
7399.800000	38.23	---	74.00	35.77	100.0	1000.000	155.0	V	233.0	0.0

(continuation of the "Final_Result" table from column 16 ...)

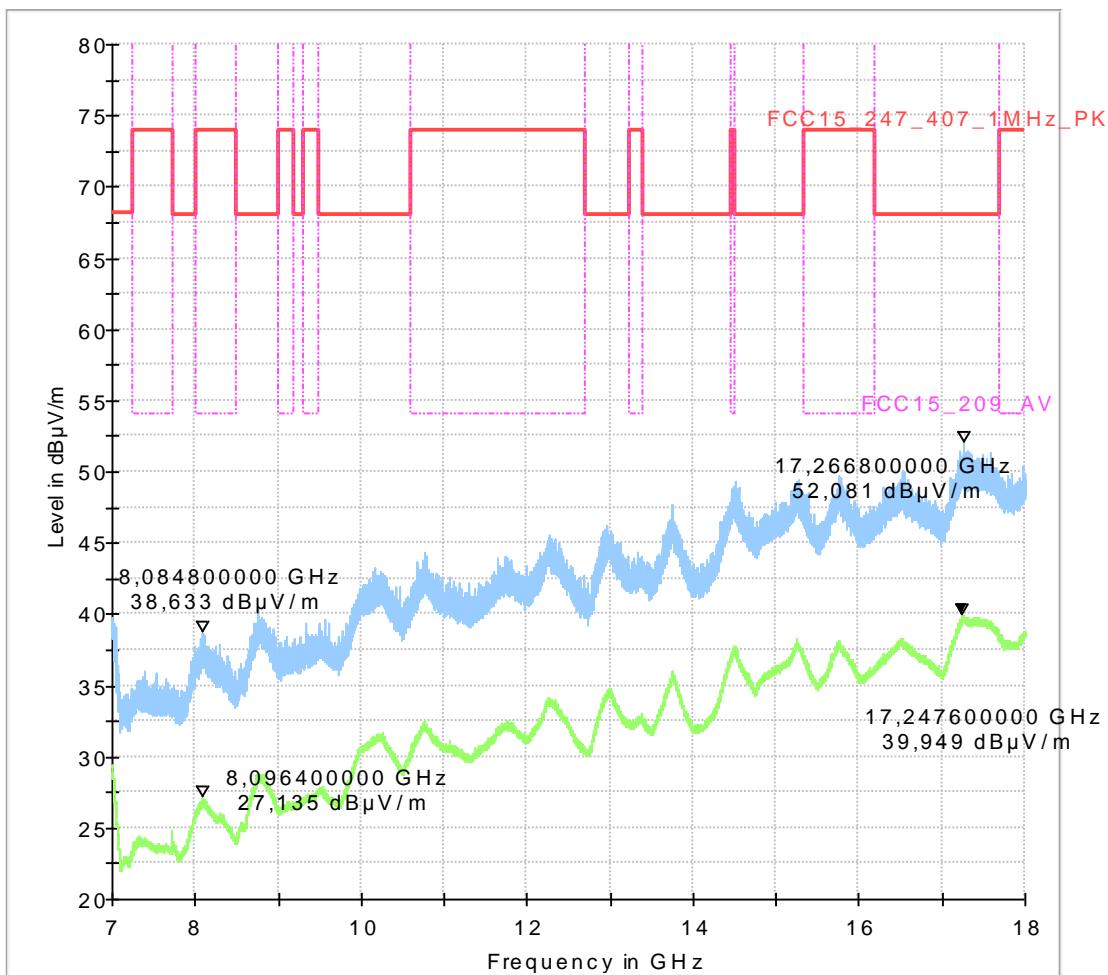
Frequency (MHz)	Corr. (dB)
7399.800000	-1.8
7399.800000	-1.8

Diagram No.: 4.42a_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch159+-20dBm**Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
Operator Name: AFr

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EUT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

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

Diagram No.: 4.31b_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch48+20dBm

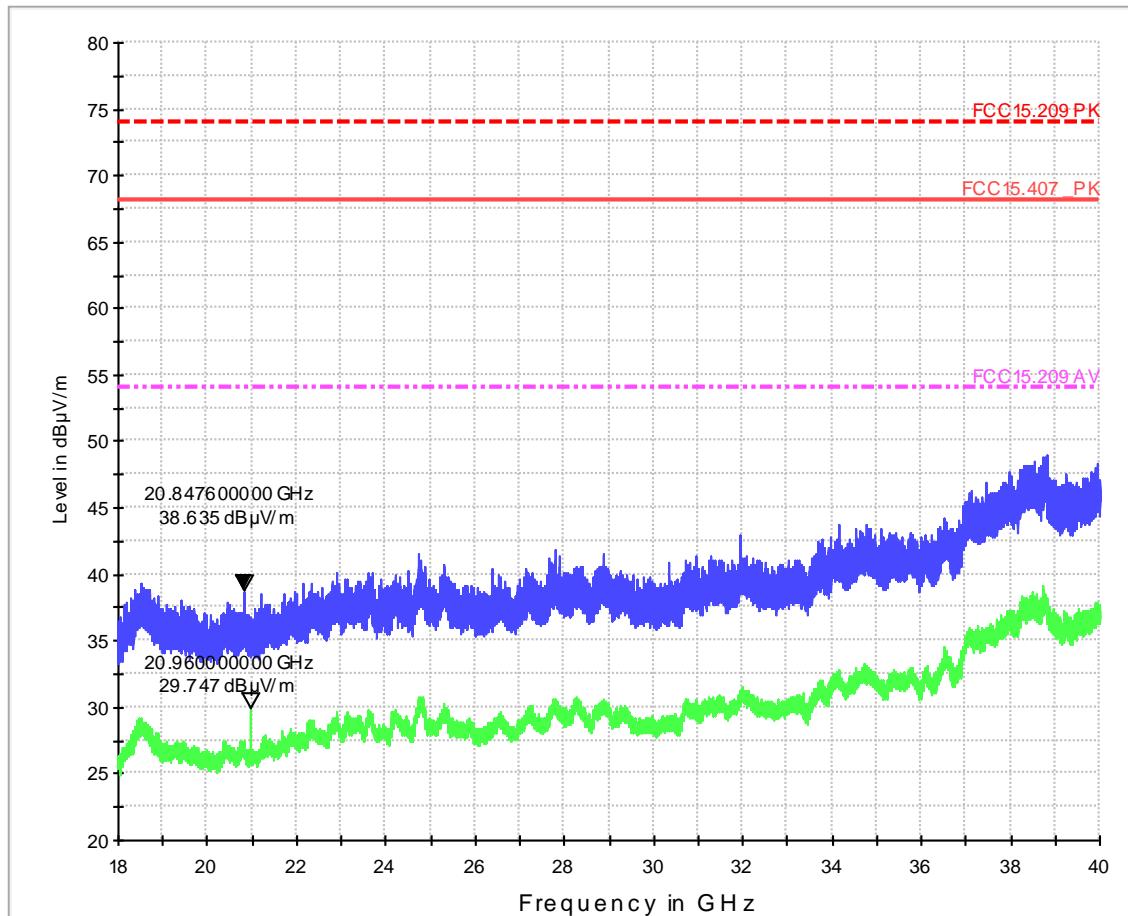
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.32b_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch56-+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre

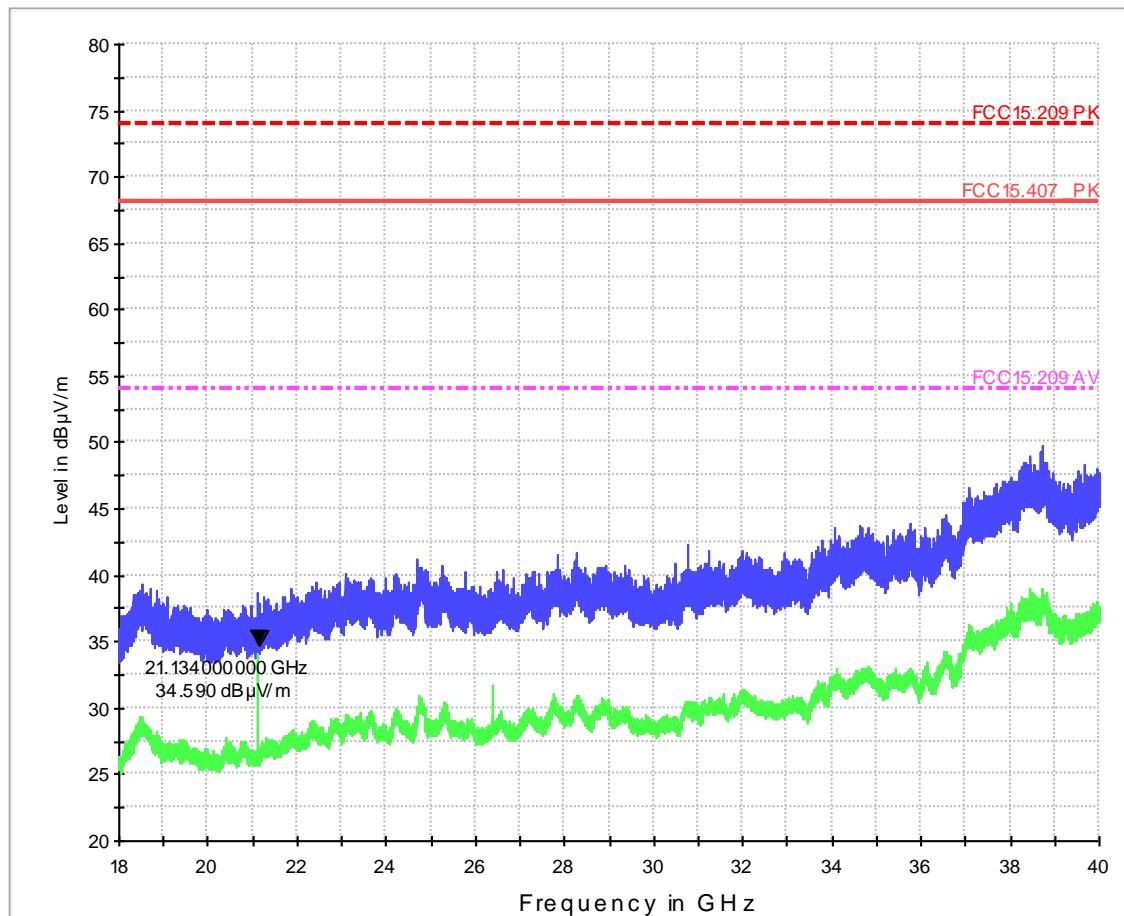
**For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a**

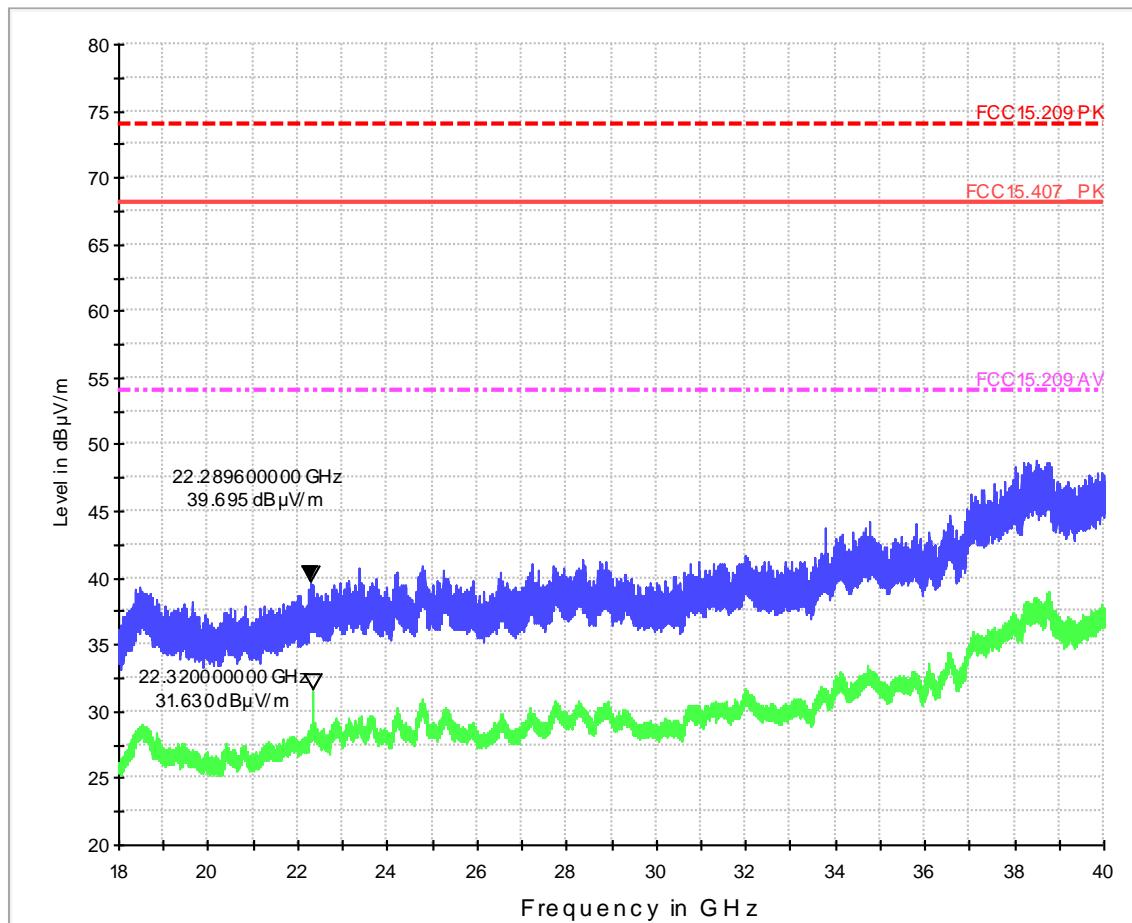
Diagram No.: 4.33b_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch116-+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EUT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.34b_SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-6Mbit-Ch157+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre

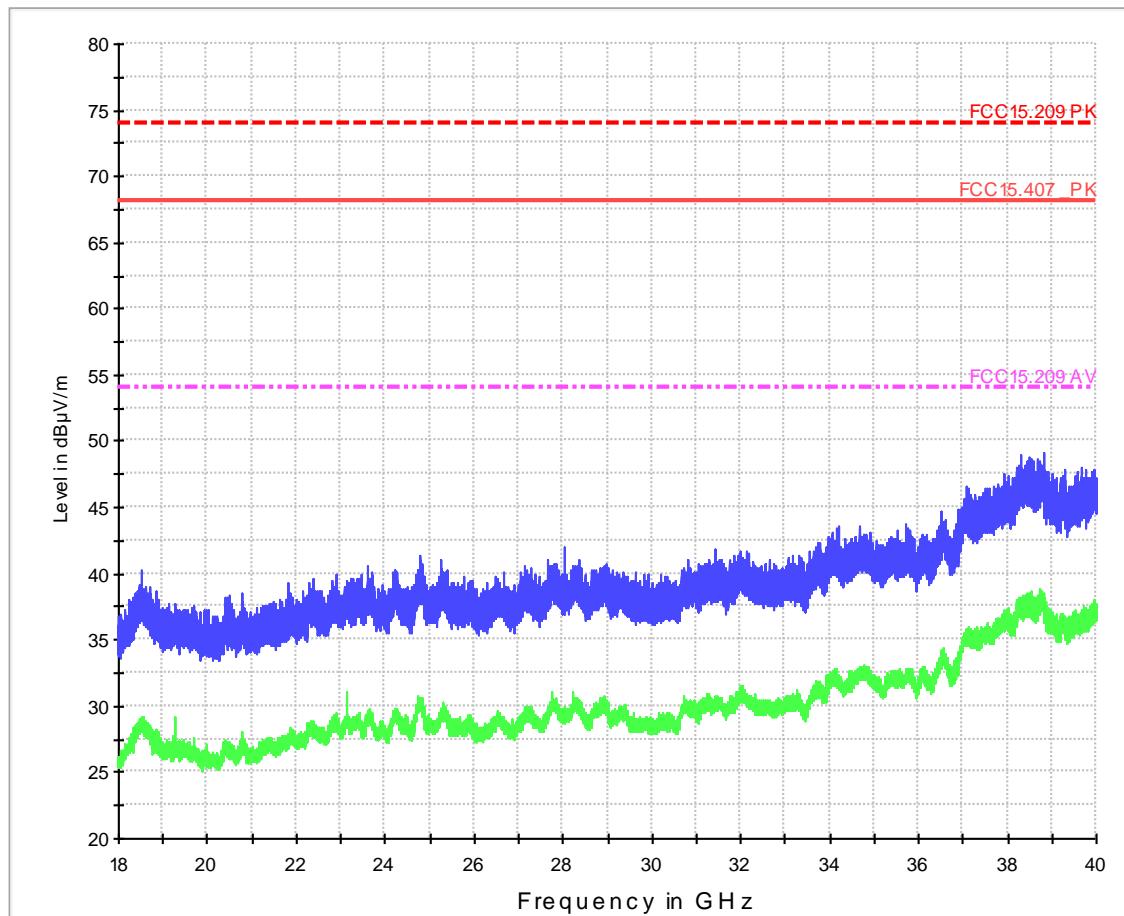
**For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a**

Diagram No.: 4.35b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch48-+20dBm
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

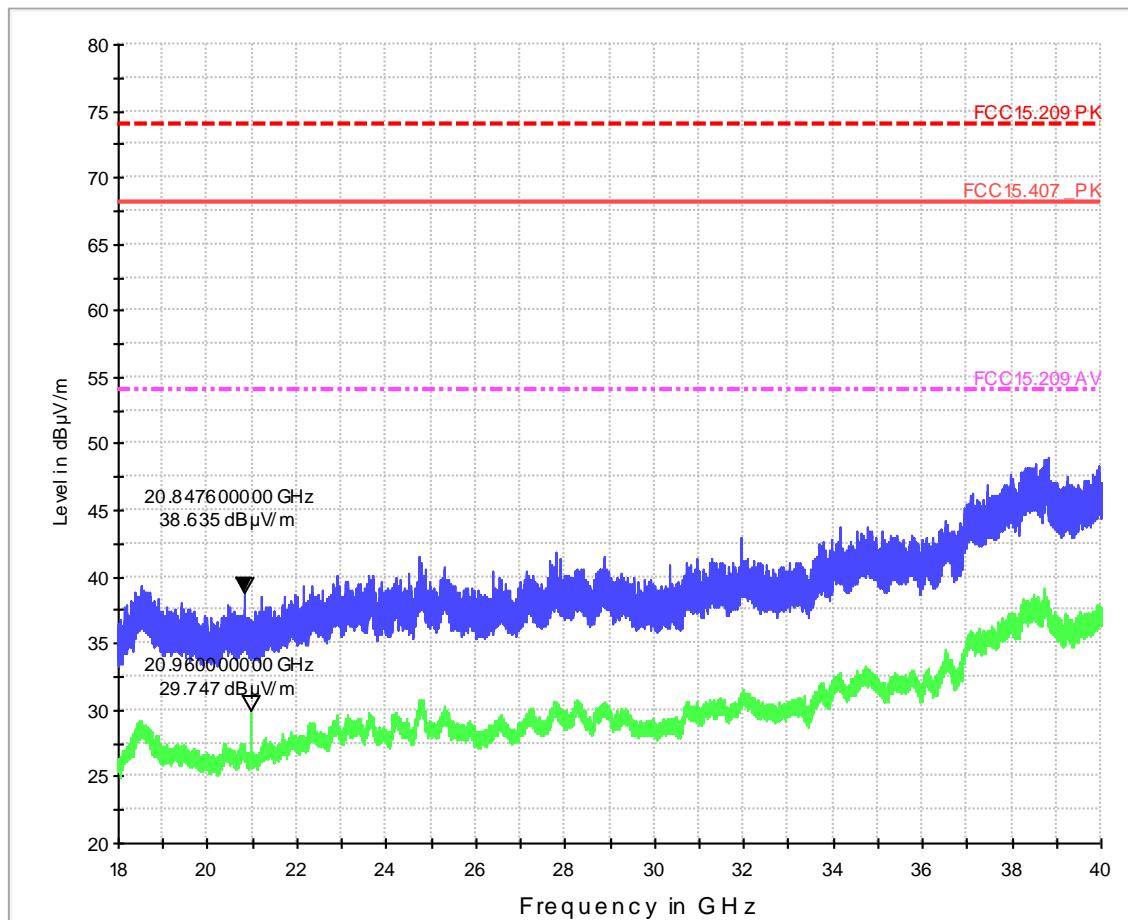
EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

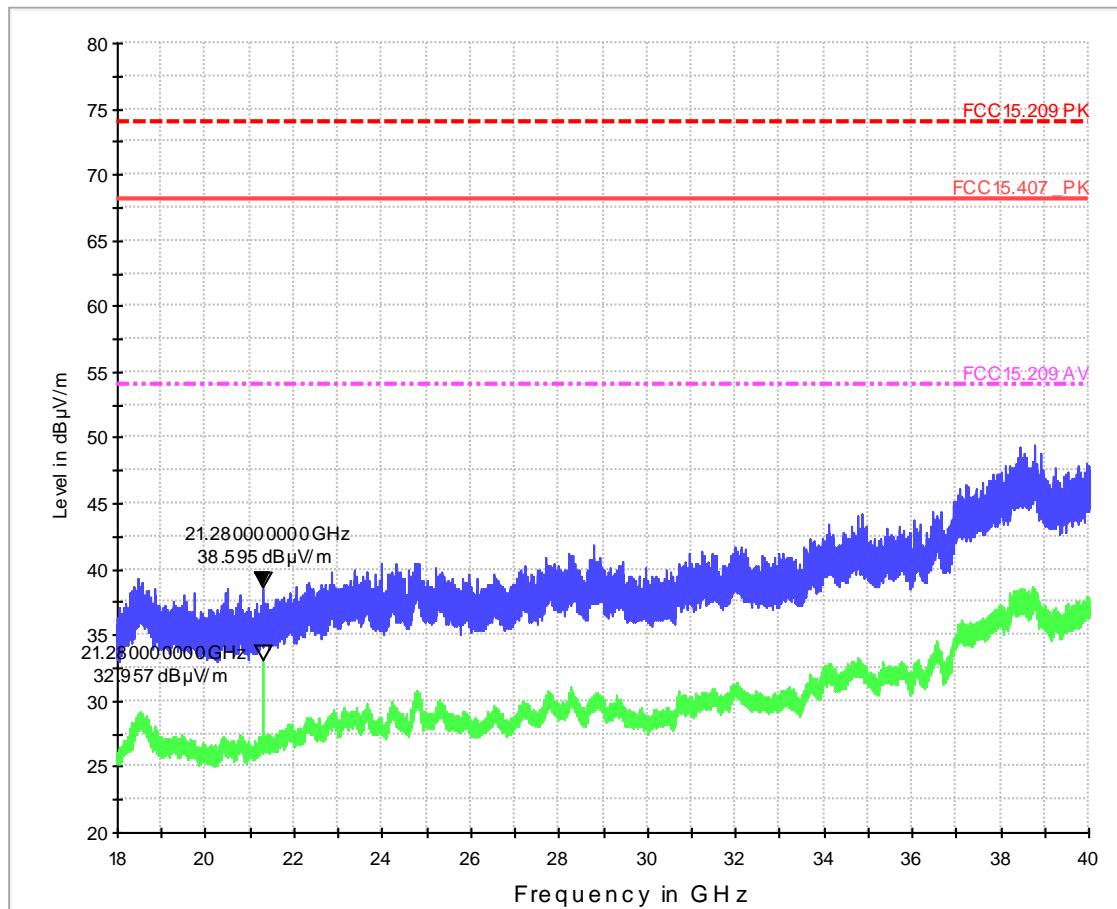
Diagram No.: 4.36b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch64-+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 64 (5320 MHz)- PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

Diagram No.: 4.37b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch116-+20dBm

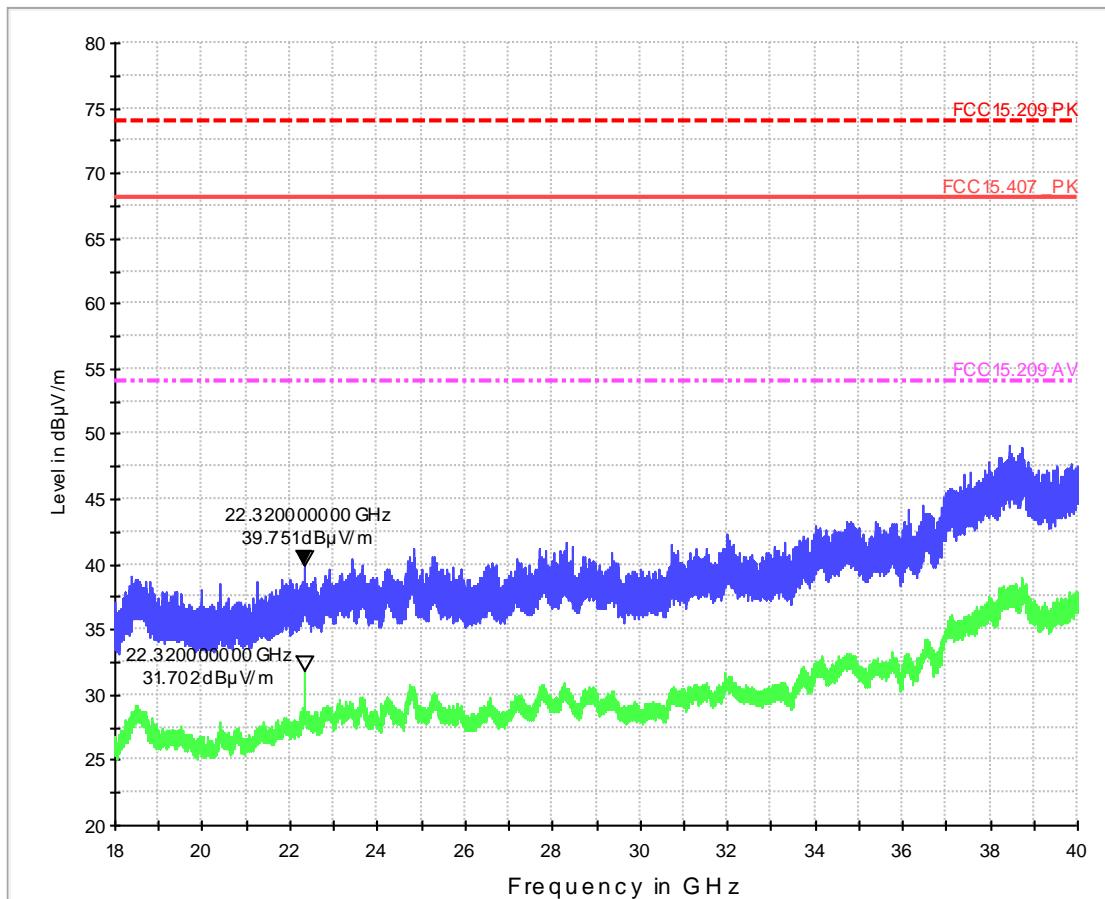
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

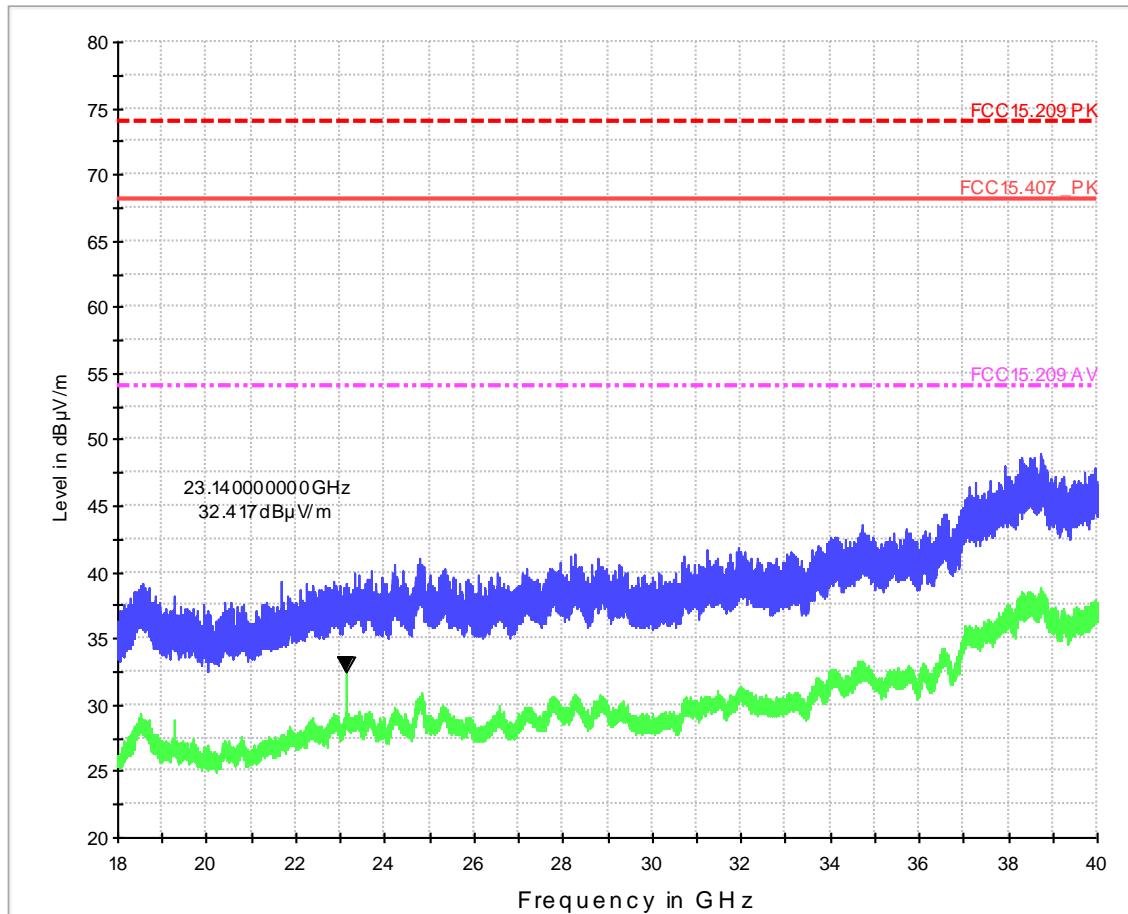
Diagram No.: 4.38b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch157+-20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	TFR

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

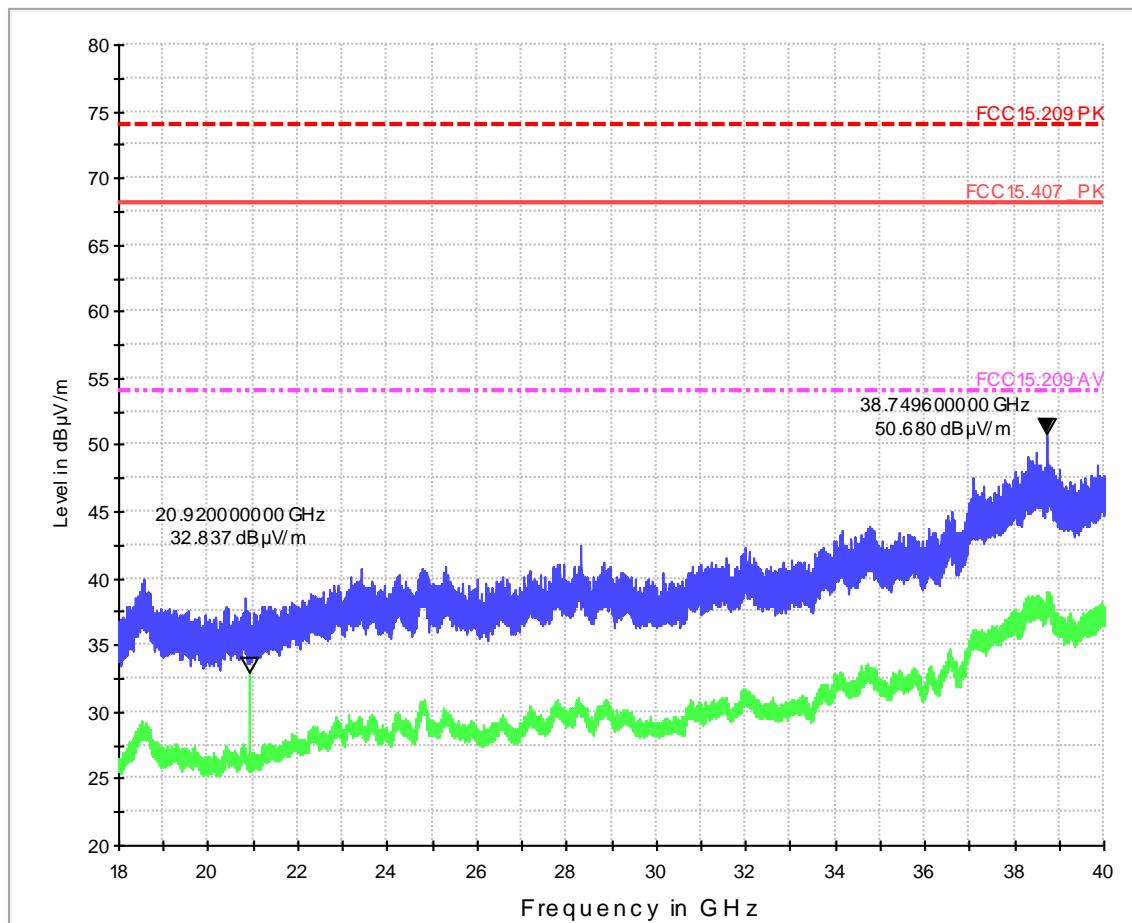
Diagram No.: 4.39b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch46+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

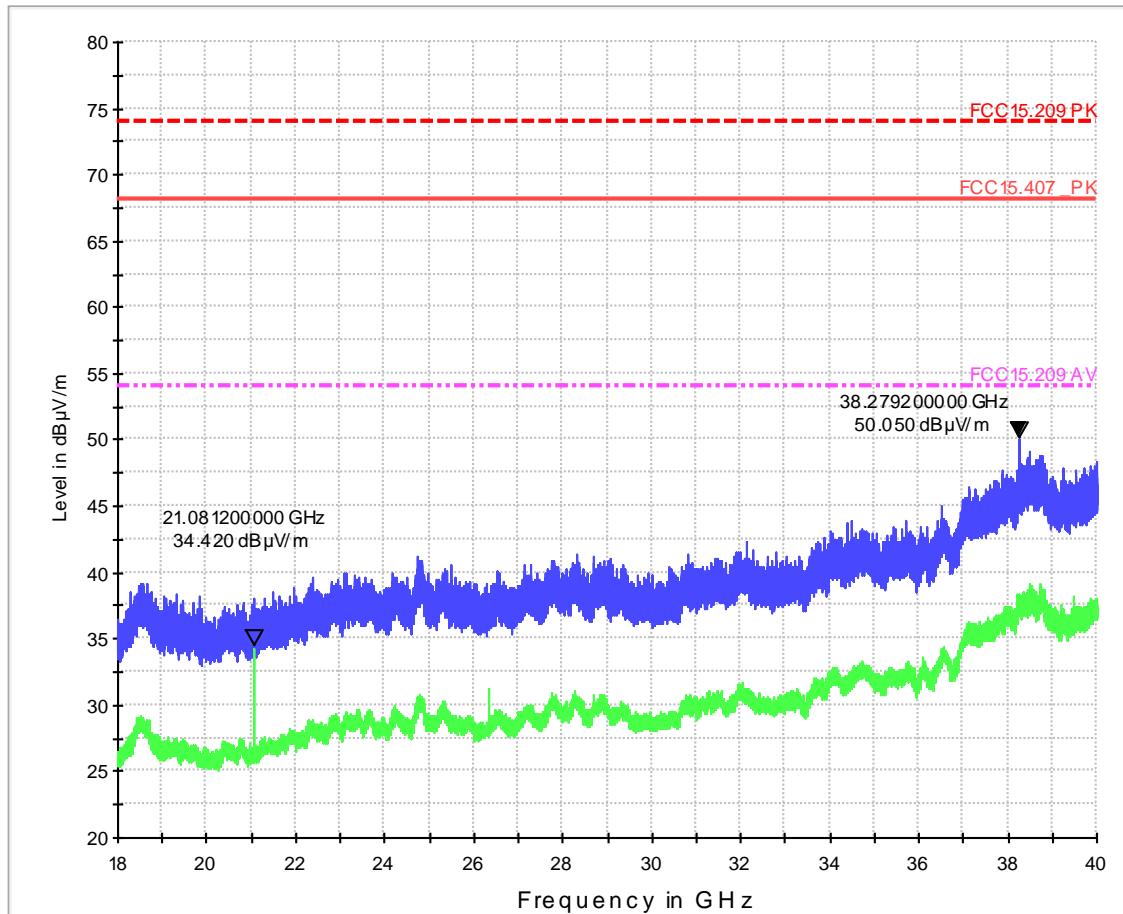
Diagram No.: 4.40b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch54-+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

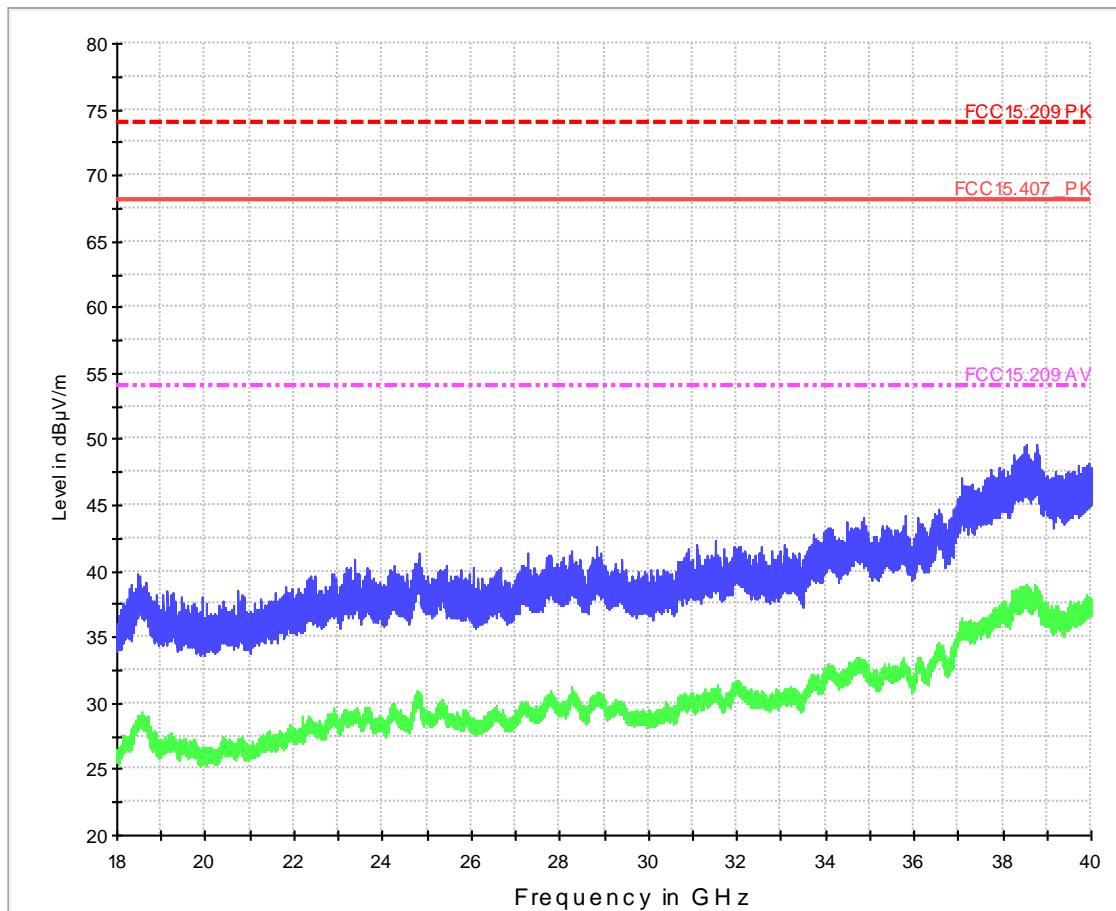
Diagram No.: 4.41b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch110-+20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

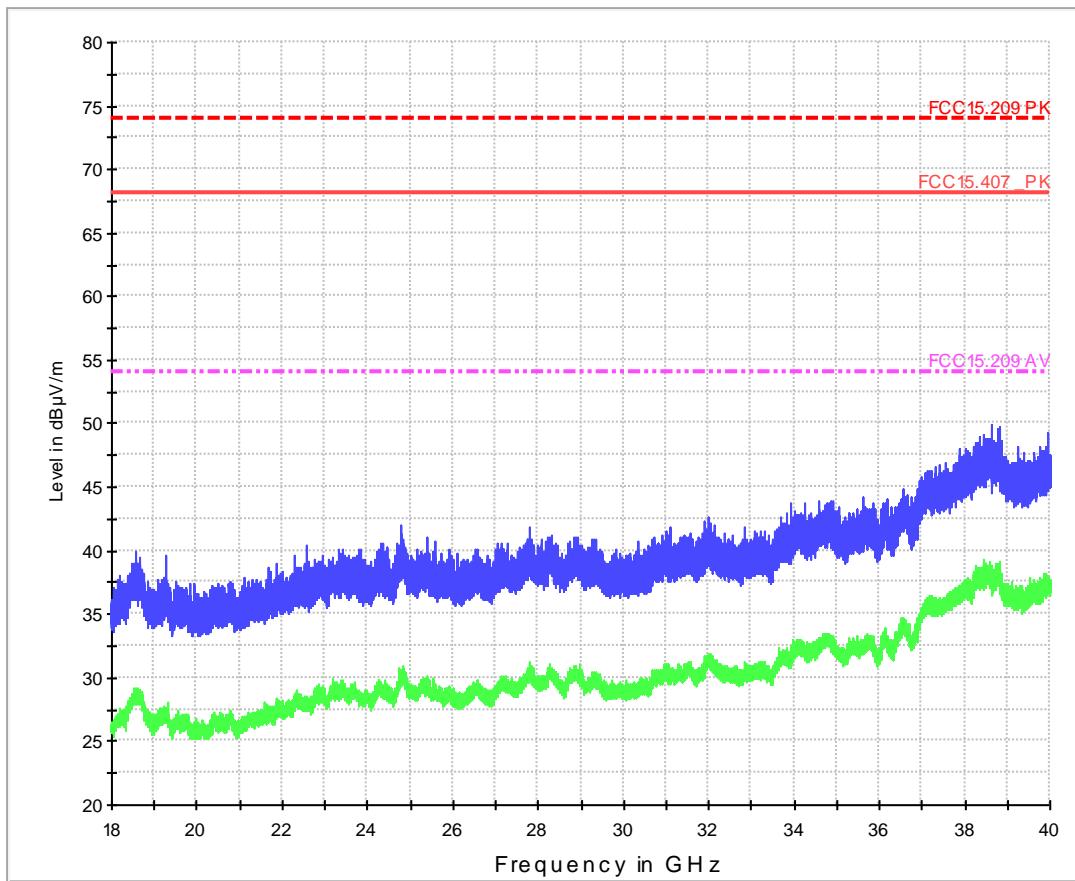
Diagram No.: 4.42b_SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch159+-20dBm**Common Information**

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 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:	Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
EuT Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging

EMI Scan_18_40GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3. Radiated Band-Edge Measurements

3.1. a Mode- B.W. 20 MHz-Channel 36 (5180 MHz) (U-NII-1: left band edge)

Diagram No.: 9.31a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch36+20dBm

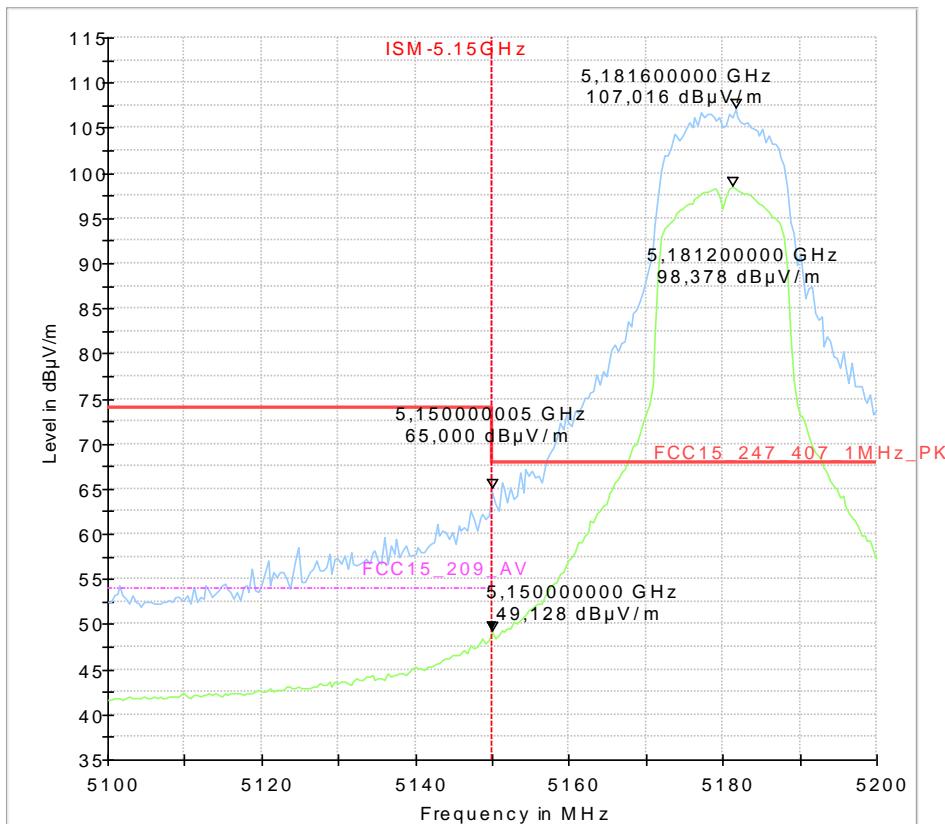
Common Information

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 36 (5180 MHz)-PWR+20dBm
Operator Name: Mah
Comment: U-NII-1 Low

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
Eut Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



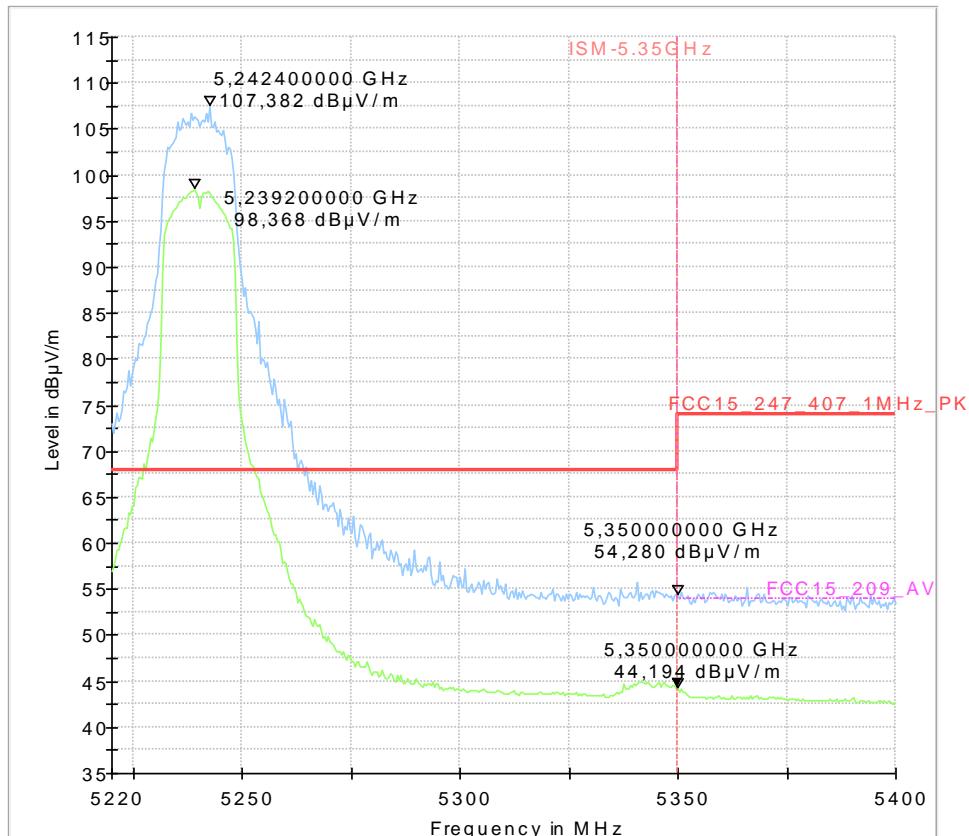
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.2. a Mode- B.W. 20 MHz -Channel 48 (5240 MHz) (U-NII-1: right band edge)**Diagram No.: 9.31b_BE-High-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch48-+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name: Mah
Comment: U-NII-1 High

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

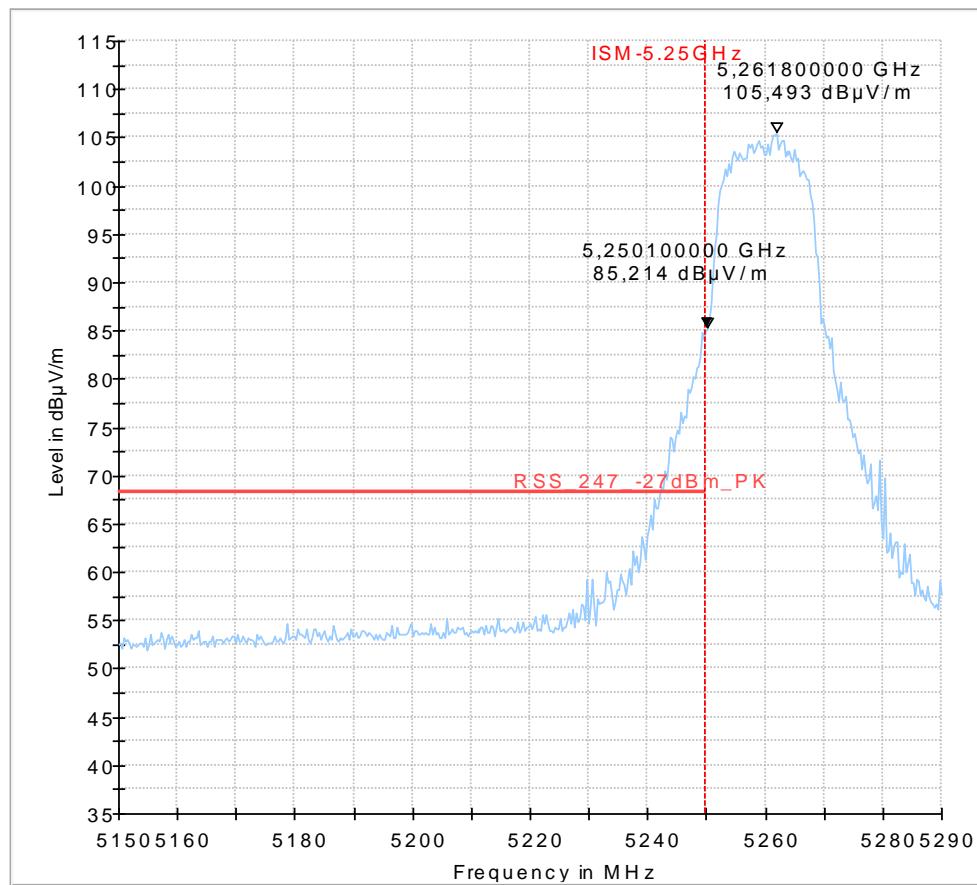
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.3. a Mode- B.W. 20 MHz -Channel 52 (5260 MHz) (U-NII-2A: left band edge)**Diagram No.: 9.32a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch52-+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 52 (5260 MHz)-PWR+20dBm
Operator Name: Mah
Comment: U-NII-2A Low

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

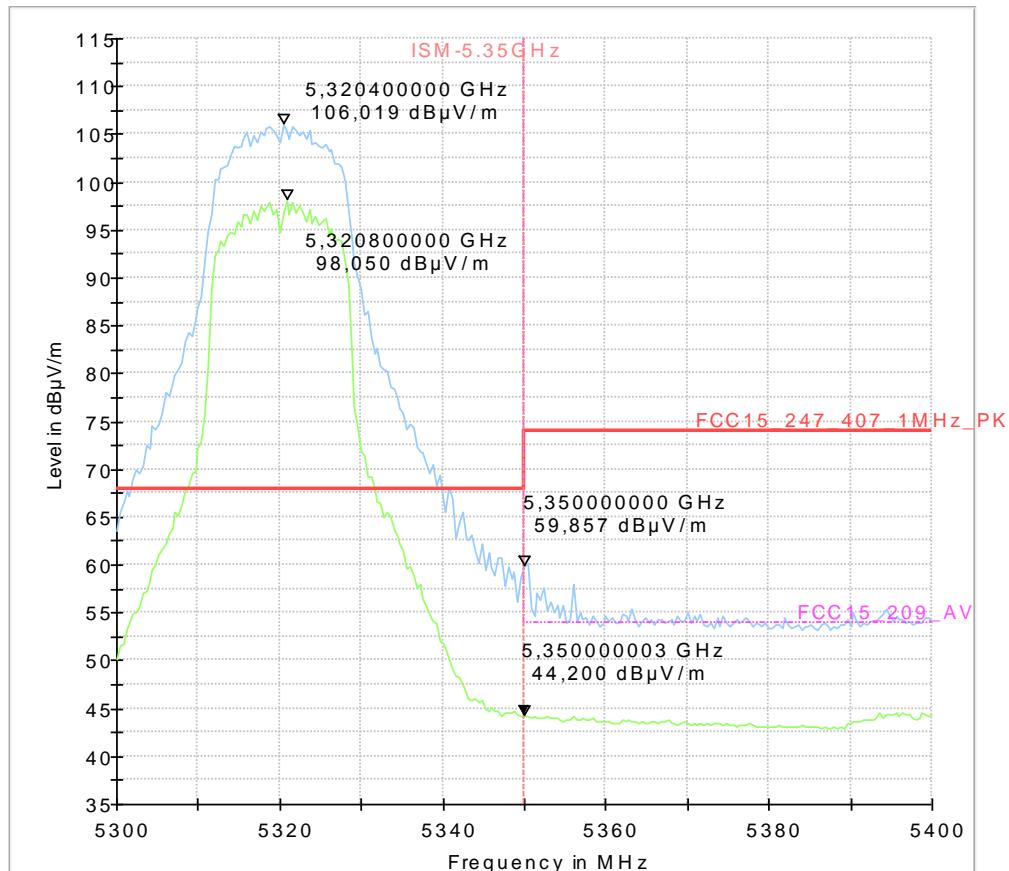
Full Spectrum

3.4. a Mode- B.W. 20 MHz -Channel 64 (5320 MHz) (U-NII-2A: right band edge)**Diagram No.: 9.32b_BE-High-SKORPIO X4-WLANS GHz-TX-aMode-SISO-B.W20MHz-54Mbit-Ch64-+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-54Mbit- U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Operator Name: Mah
Comment: U-NII-2A High

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.5. a Mode- B.W. 20 MHz -Channel 100 (5500 MHz) (U-NII-2C: left band edge)

Diagram No.: 9.33a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch100-+20dBm

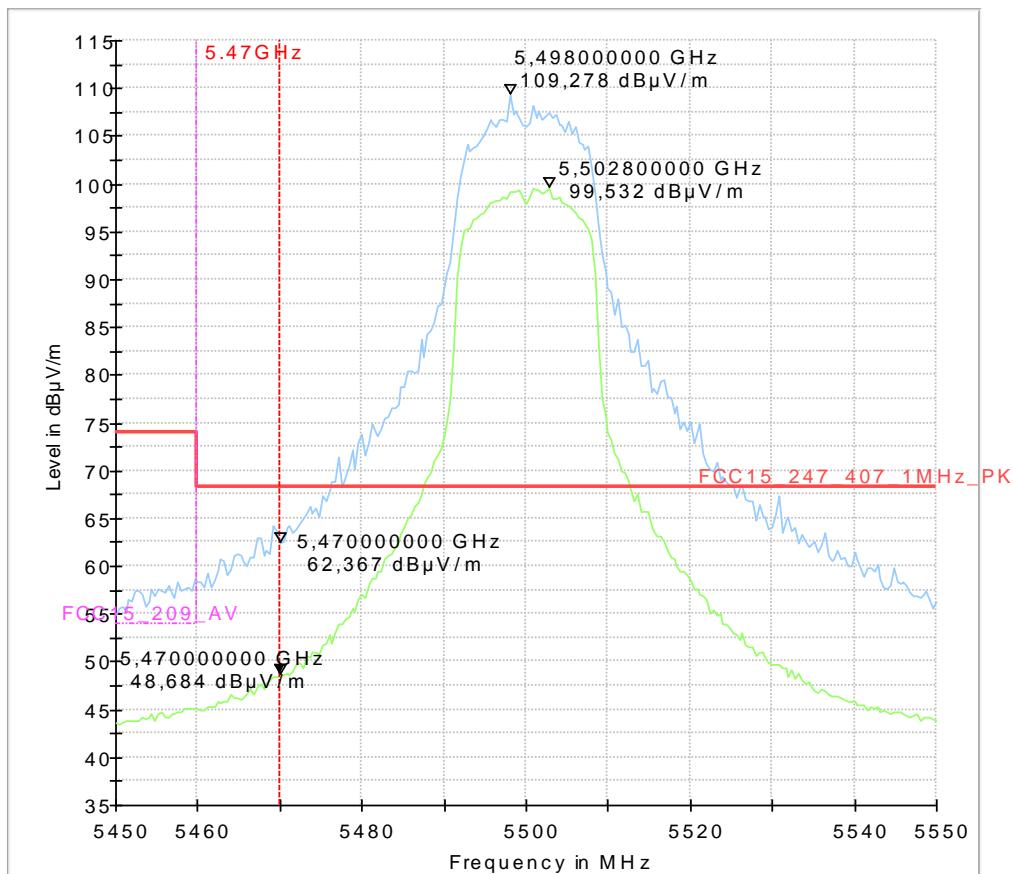
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 100 (5500 MHz)-PWR+20dBm
 Operator Name: Mah
 Comment: U-NII-2C Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.6. a Mode- B.W. 20 MHz -Channel 140 (5700 MHz) (U-NII-2C: right band edge)

Diagram No.: 9.33b_BE-High-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-24Mbit-Ch140-+20dBm

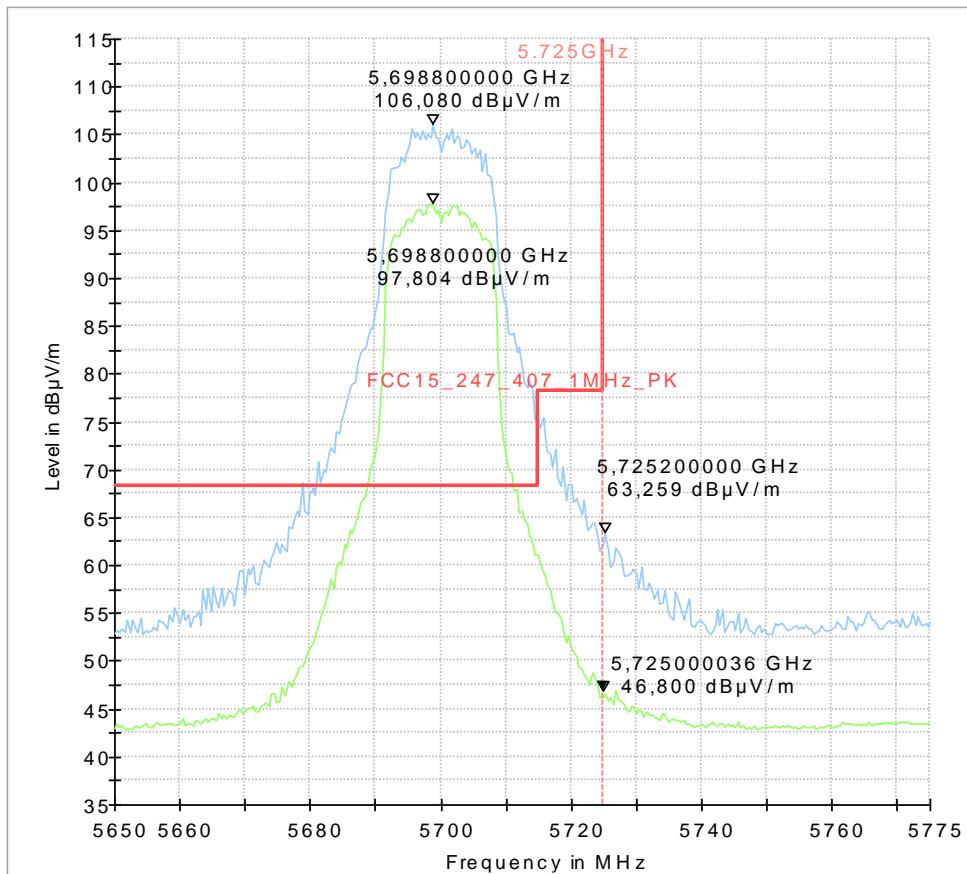
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-24Mbit- U-NII-2C-Ch 140 (5700 MHz)-PWR+20dBm
Operator Name:	APH
Comment:	U-NII-2C High

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
Eut Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.7. a Mode- B.W. 20 MHz -Channel 149 (5745 MHz) (U-NII-3: left band edge)

Diagram No.: 9.34a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-6Mbit-Ch149-+20dBm

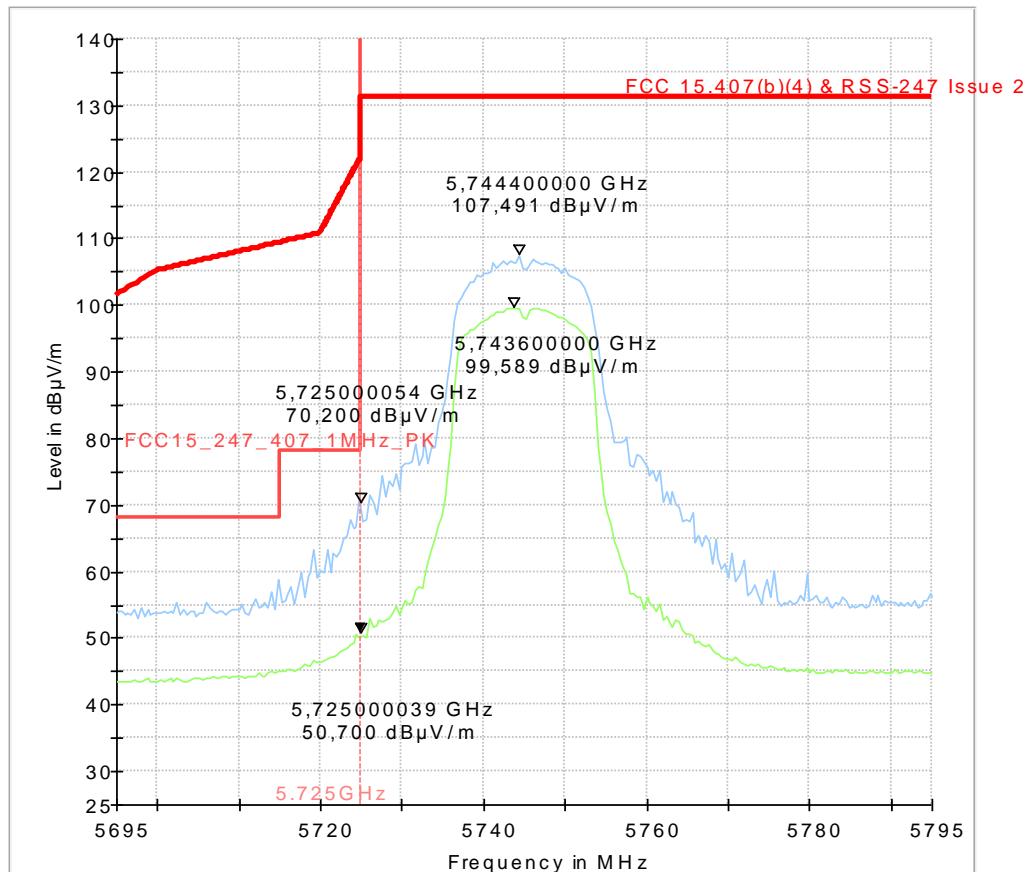
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 149 (5745 MHz)-PWR+20dBm
Operator Name:	APH
Comment:	U-NII-3 Low

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	SKORPIO X4
Eut Type:	00ANM4HS0GF0A4
P/N:	942600012
S/N:	Z16P01691
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.00.29
Input:	fully Internal Battery charging
Battery Type:	BT-0016 Li-ion 3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



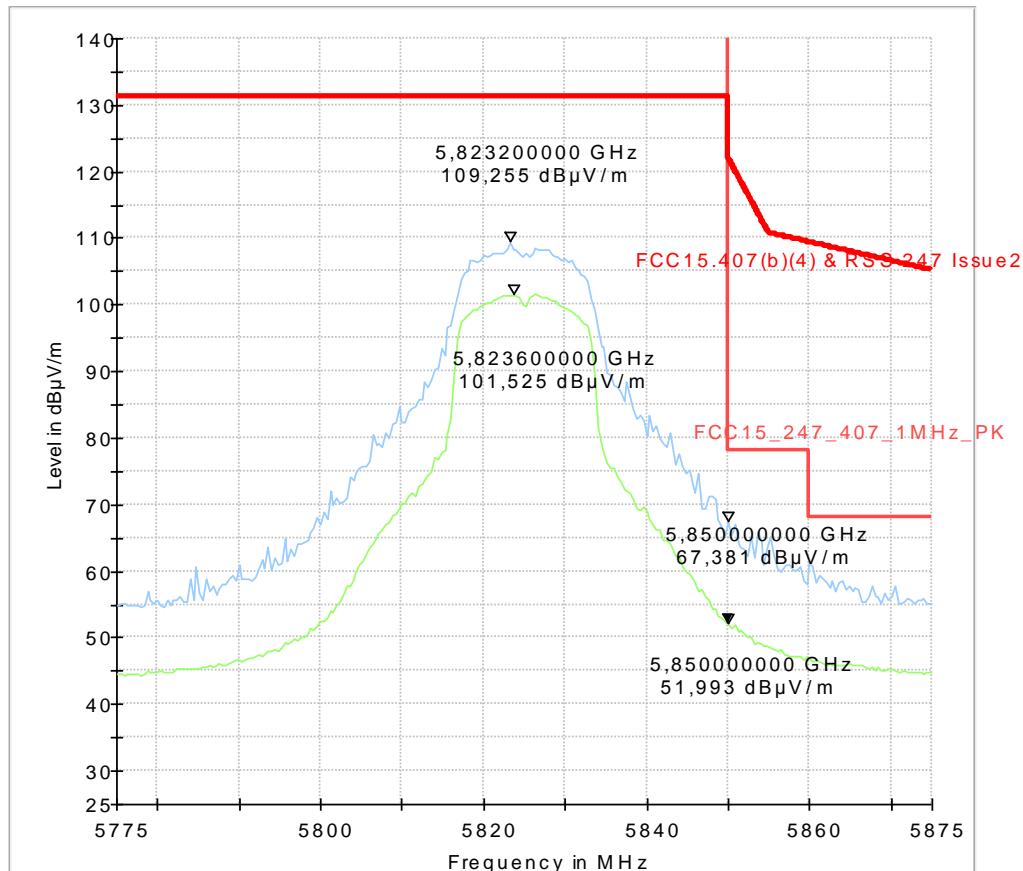
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.8. a Mode- B.W. 20 MHz -Channel 165 (5825 MHz) (U-NII-3: right band edge)**Diagram No.: 9.34b_BE-High-SKORPIO X4-WLAN5 GHz-TX-aMode-SISO-B.W20MHz-6Mbit-Ch165-+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 165 (5825 MHz)-PWR+20dBm
Operator Name: APH
Comment: U-NII-3 High

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.9. n Mode- B.W. 20 MHz-Channel 36 (5180 MHz) (U-NII-1: left band edge)

Diagram No.: 9.35a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch36-+20dBm

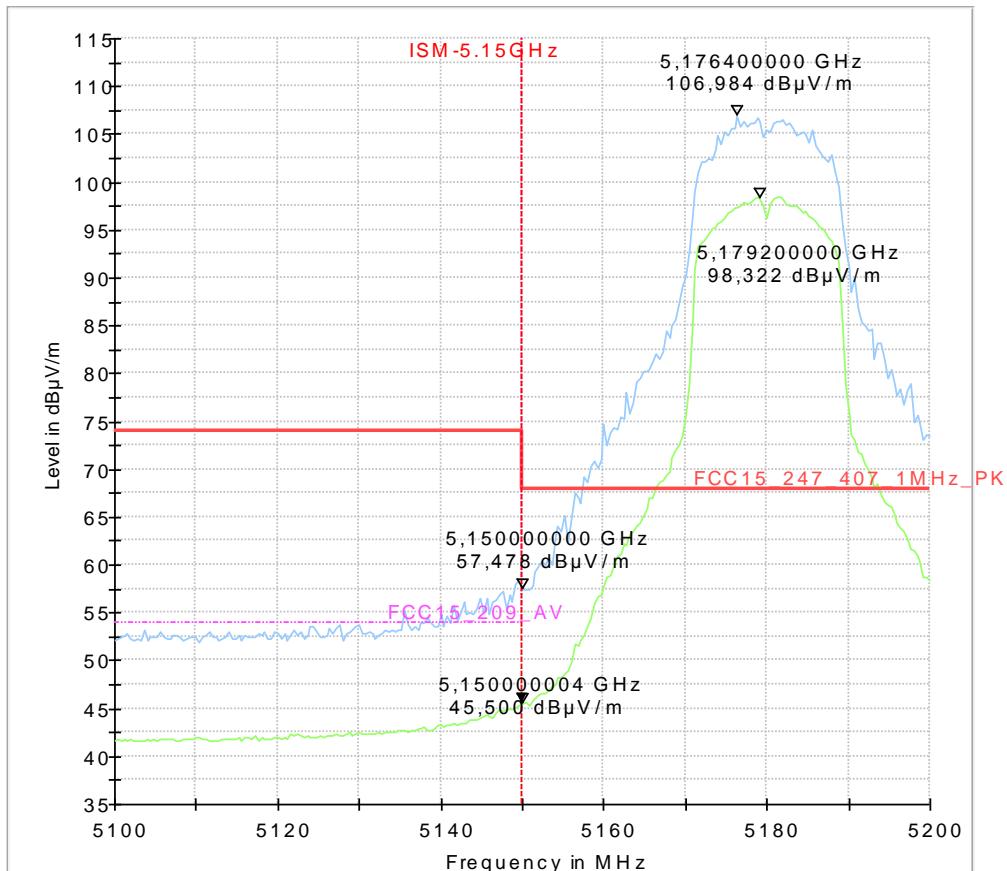
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 36 (5180 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-1 Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.10. n Mode- B.W. 20 MHz -Channel 48 (5240 MHz) (U-NII-1: right band edge)

Diagram No.: 9.35b_BE-High-SKORPIO X4-WLANS GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch48-+20dBm

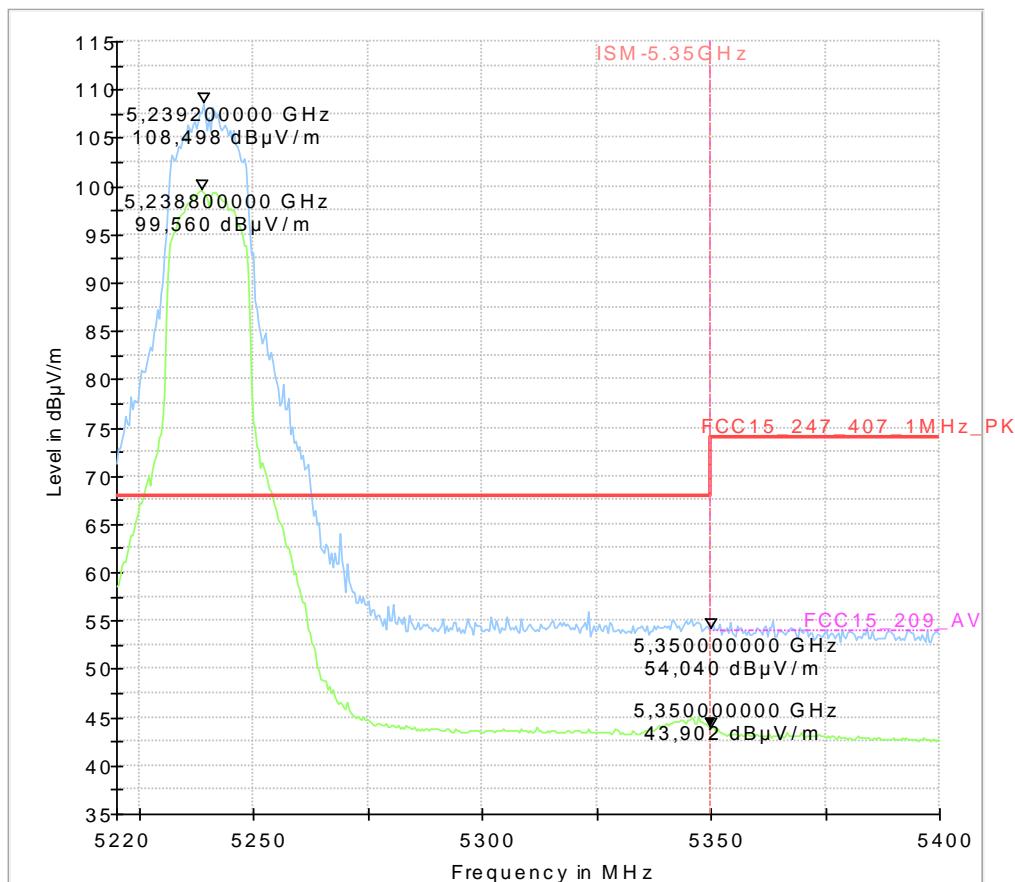
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-1 High

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



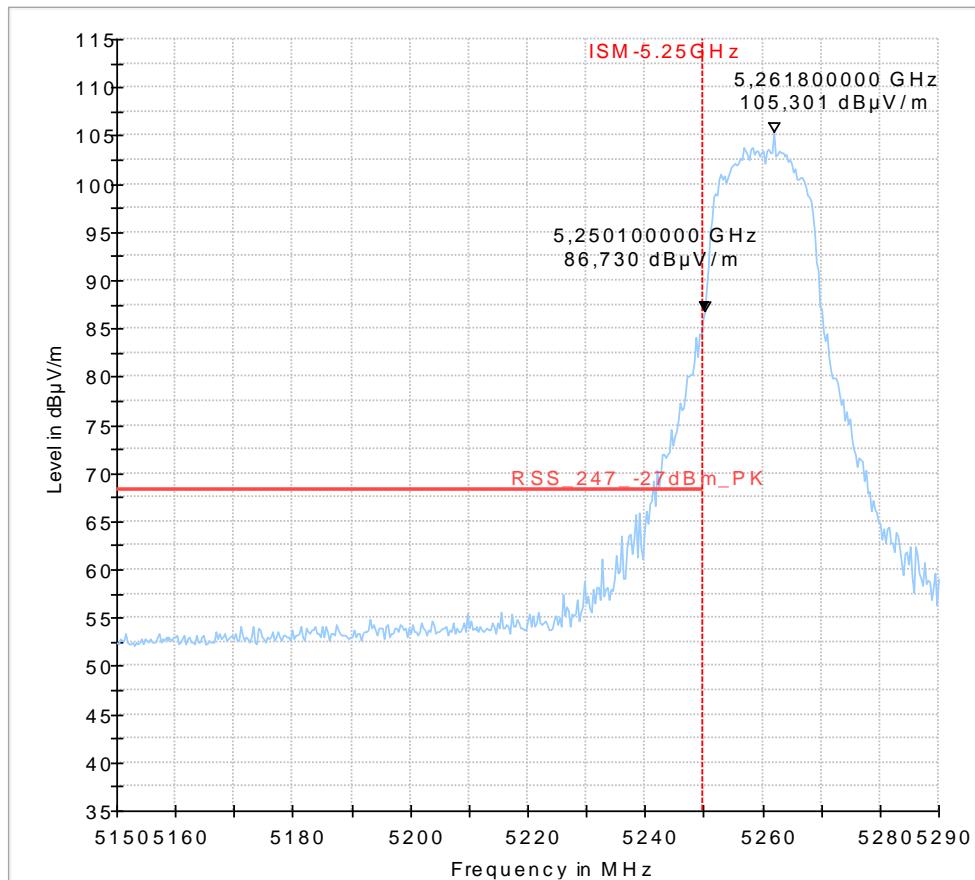
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.11. n Mode- B.W. 20 MHz -Channel 52 (5260 MHz) (U-NII-2A: left band edge)**Diagram No.: 9.36a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch52-+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 52 (5260 MHz)- PWR+20dBm
Operator Name: APH
Comment: U-NII-2A Low

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

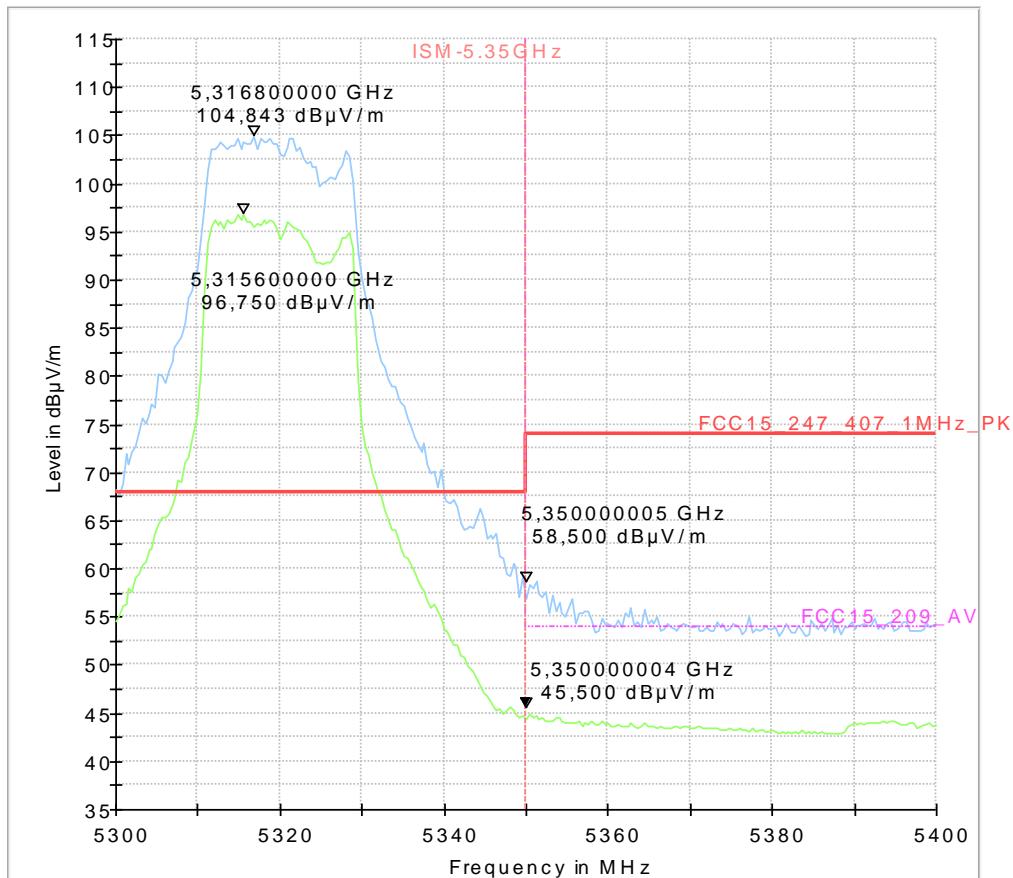
Full Spectrum

3.12. n Mode- B.W. 20 MHz -Channel 64 (5320 MHz) (U-NII-2A: right band edge)**Diagram No.: 9.36b_BE-High-SKORPIO X4-WLANS GHz-TX-nMode-SISO-B.W20MHz-MCS7-Ch64-+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS7(65Mbps)- U-NII-2A-Ch 64 (5320 MHz)- PWR+20dBm
Operator Name: APH
Comment: U-NII-2A High

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.13. n Mode- B.W. 20 MHz -Channel 100 (5500 MHz) (U-NII-2C: left band edge)

Diagram No.: 9.37a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch100-+20dBm

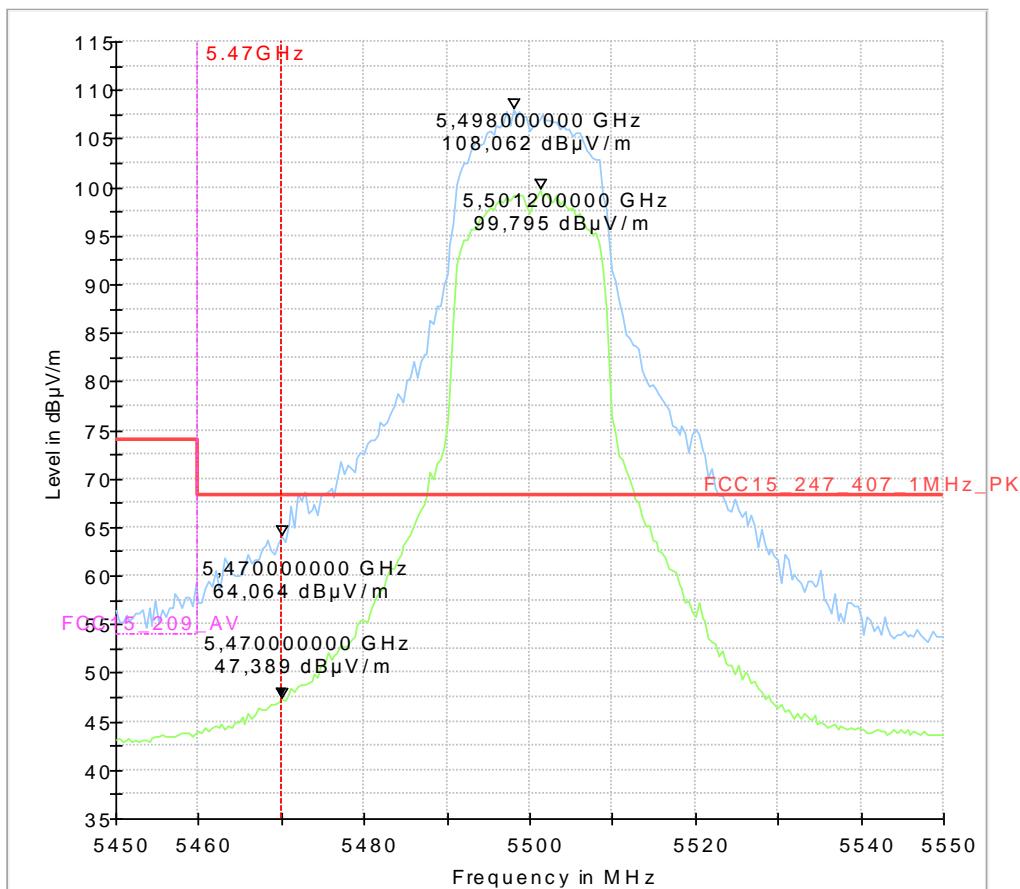
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 100 (5500 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-2C Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.14. n Mode- B.W. 20 MHz -Channel 140 (5700 MHz) (U-NII-2C: right band edge)

Diagram No.: 9.37b_BE-High-SKORPIO X4-WLANS GHz-TX-nMode-SISO-B.W20MHz-MCS5-Ch140-+20dBm

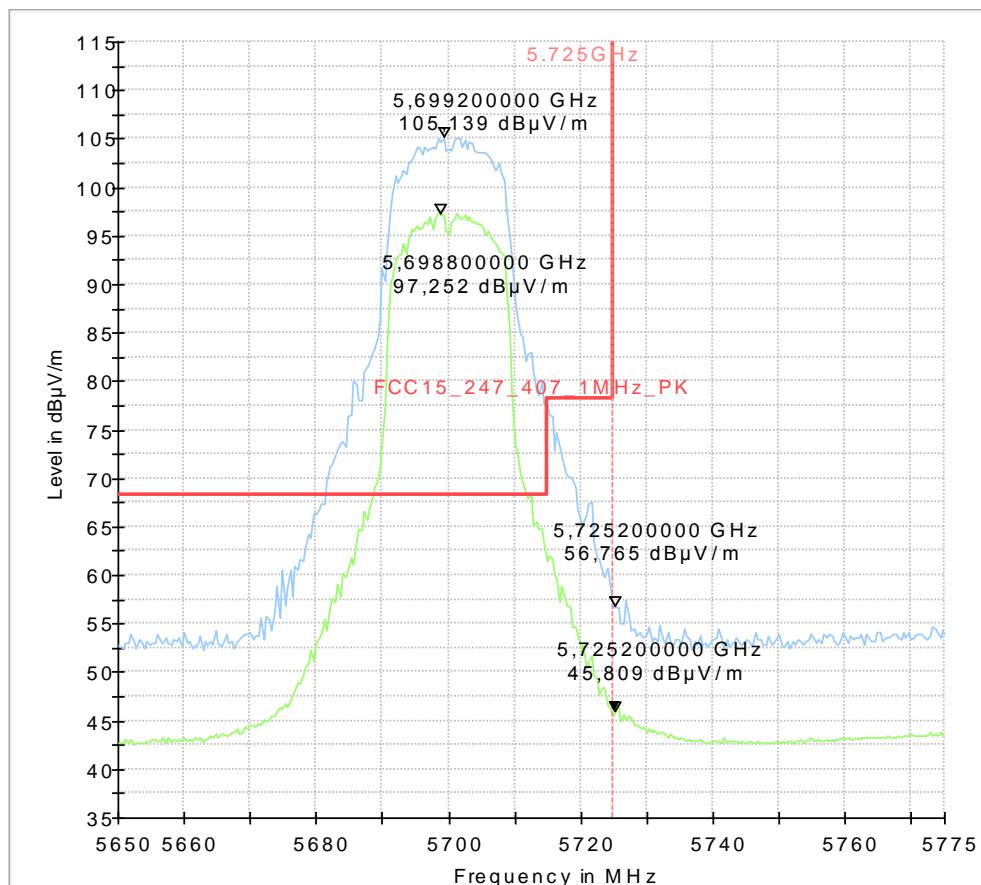
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS5- U-NII-2C-Ch 140 (5700 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-2C High

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.15. n Mode- B.W. 20 MHz -Channel 149 (5745 MHz) (U-NII-3: left band edge)

Diagram No.: 9.38a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch149-+20dBm

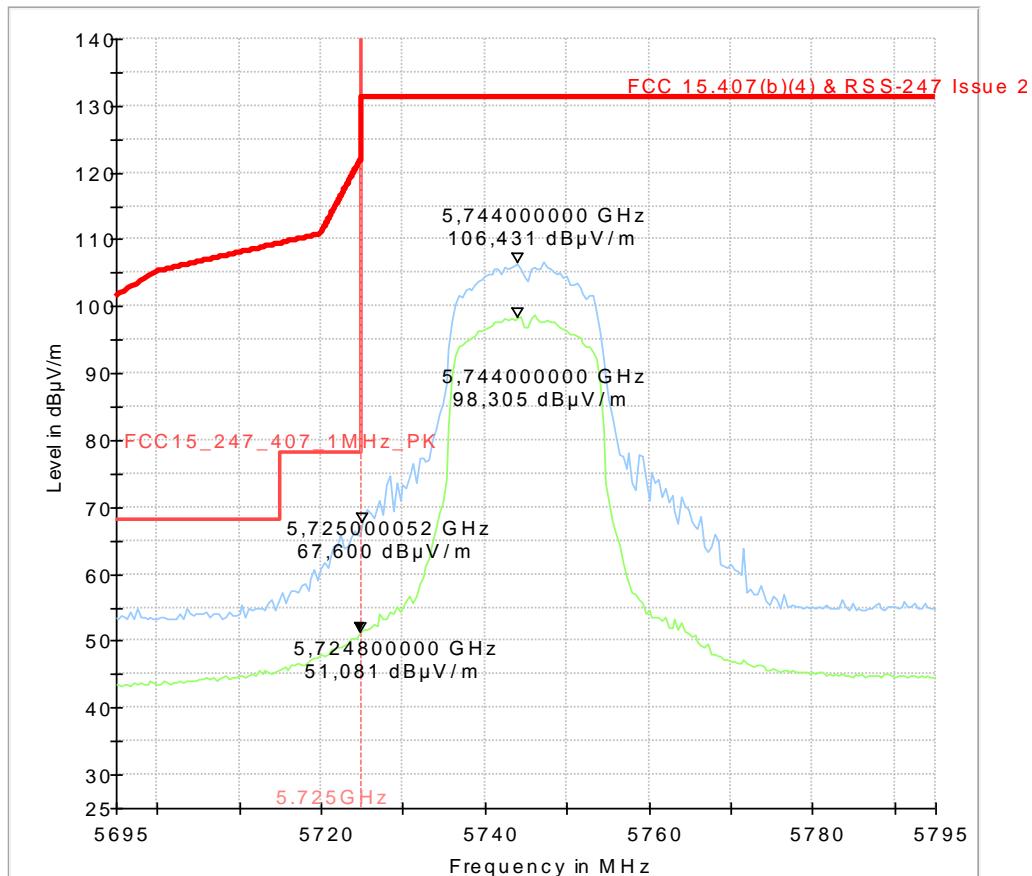
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 149 (5745 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-3 Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.16. n Mode- B.W. 20 MHz -Channel 165 (5825 MHz) (U-NII-3: right band edge)

Diagram No.: 9.38b_BE-High-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W20MHz-MCS3-Ch165+20dBm

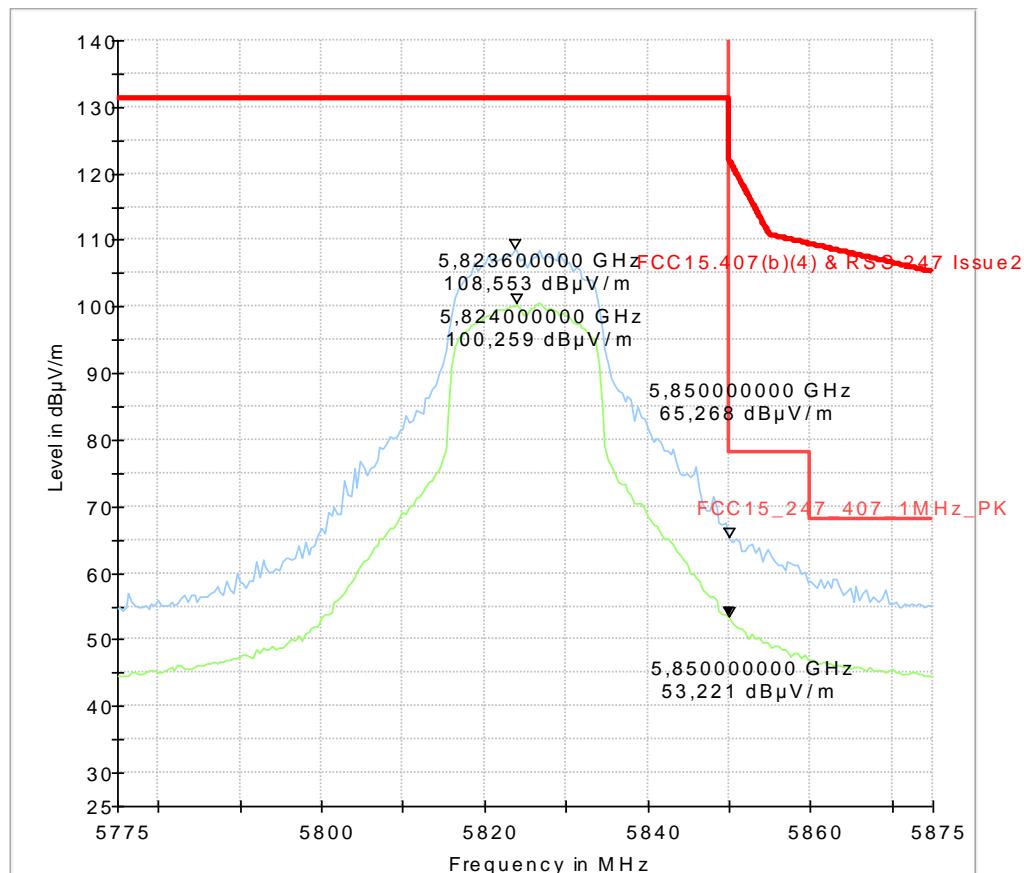
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS3- U-NII-3-Ch 165 (5825 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-3 High

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.17. n Mode- B.W. 40 MHz-Channel 38 (5190 MHz) (U-NII-1: left band edge)

Diagram No.: 9.39a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch38-+20dBm

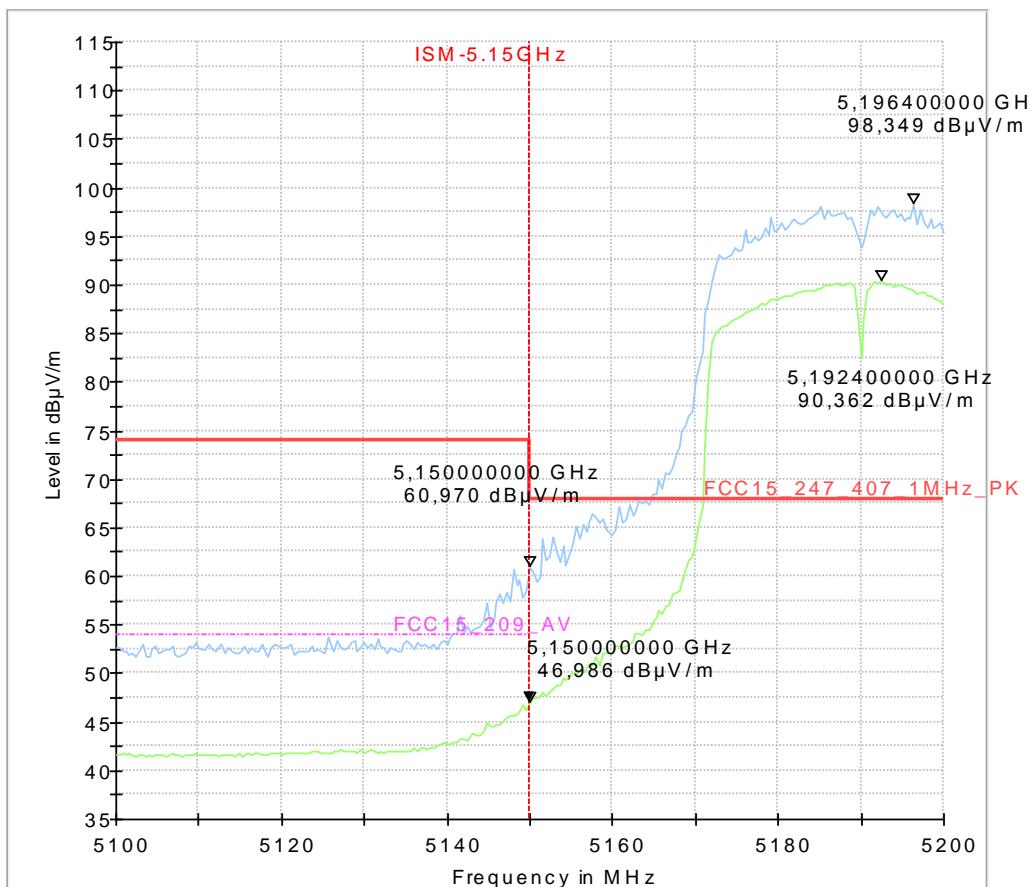
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 38 (5190 MHz)-PWR+20dBm
 Operator Name: Mah
 Comment: U-NII-1 Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.18. n Mode- B.W. 40 MHz -Channel 46 (5230 MHz) (U-NII-1: right band edge)

Diagram No.: 9.39b_BE-High-SKORPIO X4-WLANS GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch46-+20dBm

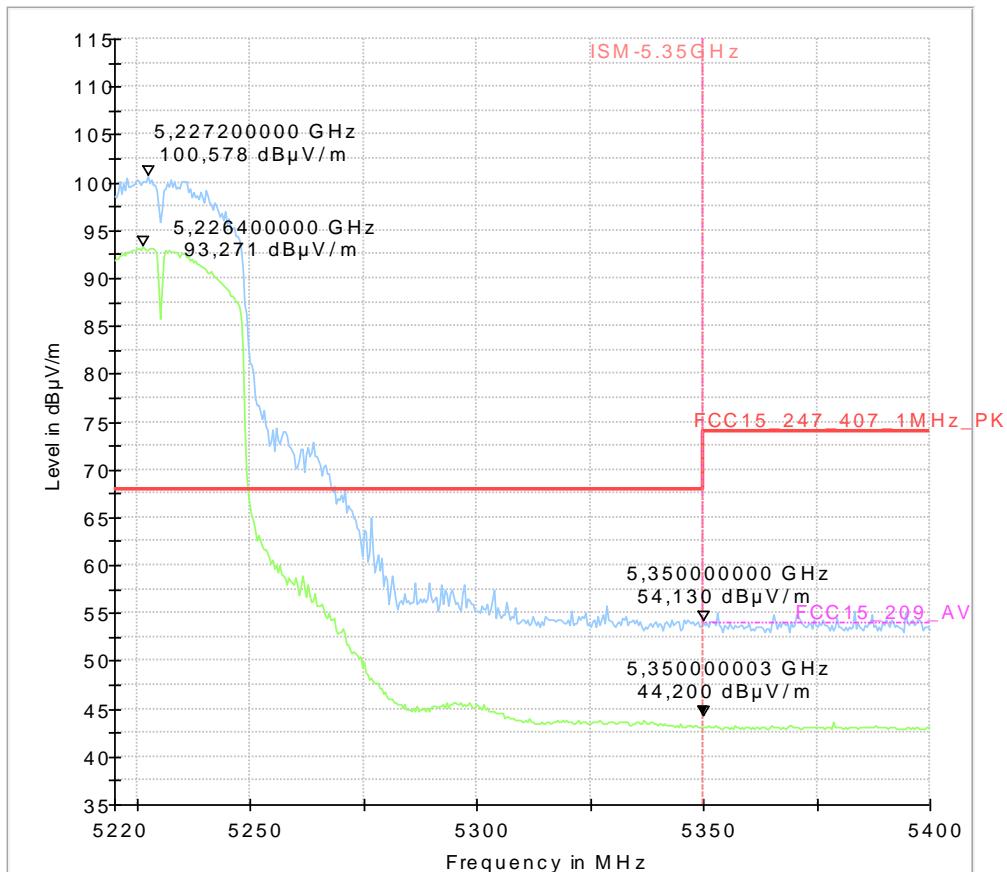
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
 Operator Name: Mah
 Comment: U-NII-1 High

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.19. n Mode- B.W. 40 MHz -Channel 54 (5270 MHz) (U-NII-2A: left band edge)

Diagram No.: 9.40a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch54-+20dBm

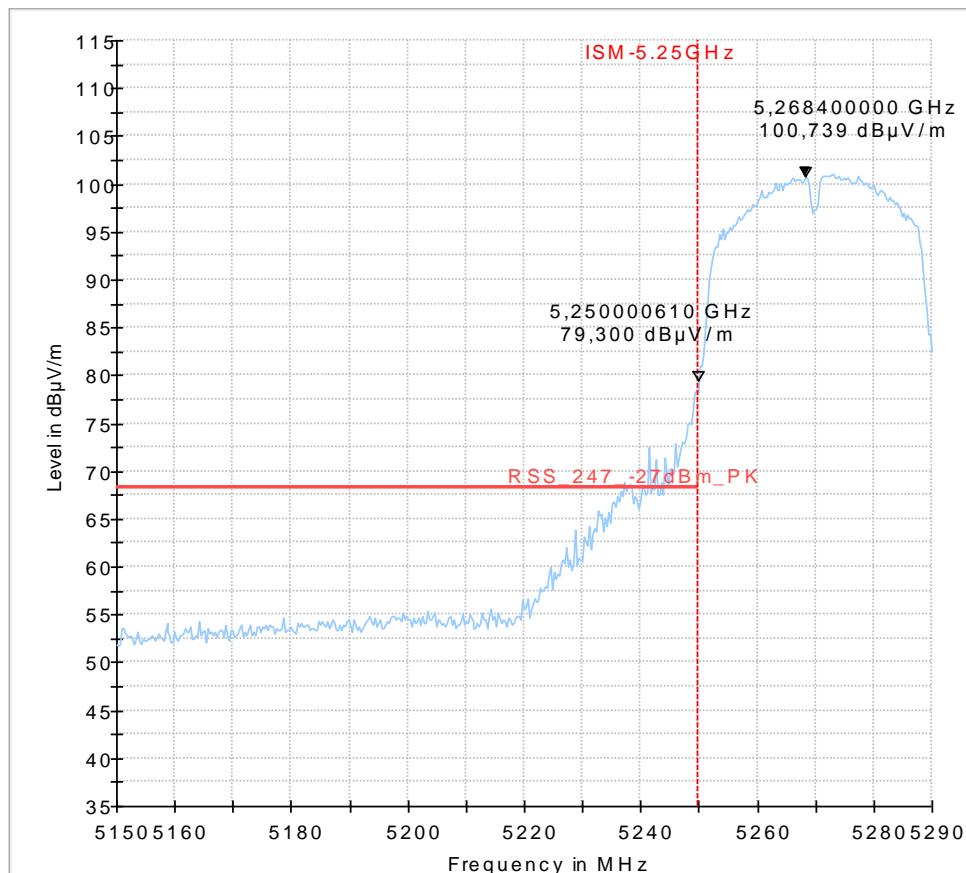
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
 Operator Name: Mah
 Comment: U-NII-2A Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



3.20. n Mode- B.W. 40 MHz -Channel 62 (5310 MHz) (U-NII-2A: right band edge)

Diagram No.: 9.40b_BE-High-SKORPIO X4-WLANS GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch62-+20dBm

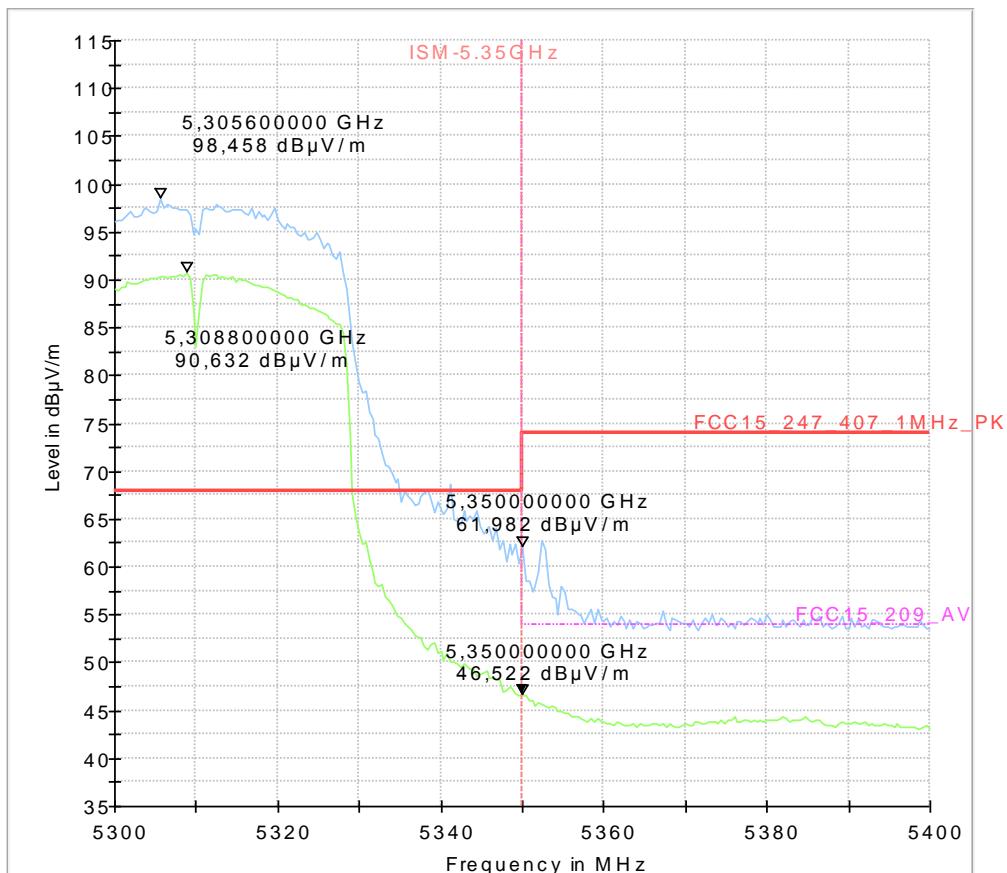
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2A-Ch 62 (5310 MHz)-PWR+20dBm
 Operator Name: Mah
 Comment: U-NII-2A High

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.21. n Mode- B.W. 40 MHz -Channel 102 (5510 MHz) (U-NII-2C: left band edge)

Diagram No.: 9.41a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch102-+20dBm

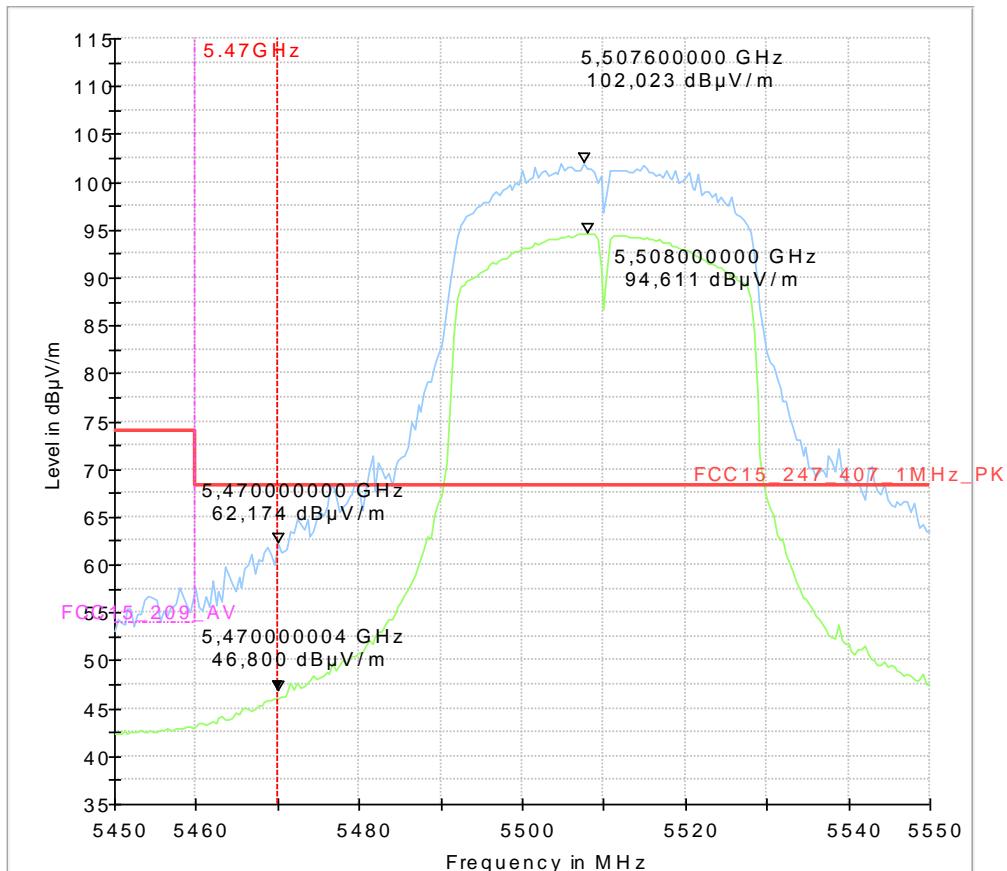
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: 9.41a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-
 Ch102-+20dBm
 Operator Name: Mah
 Comment: U-NII-2C Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



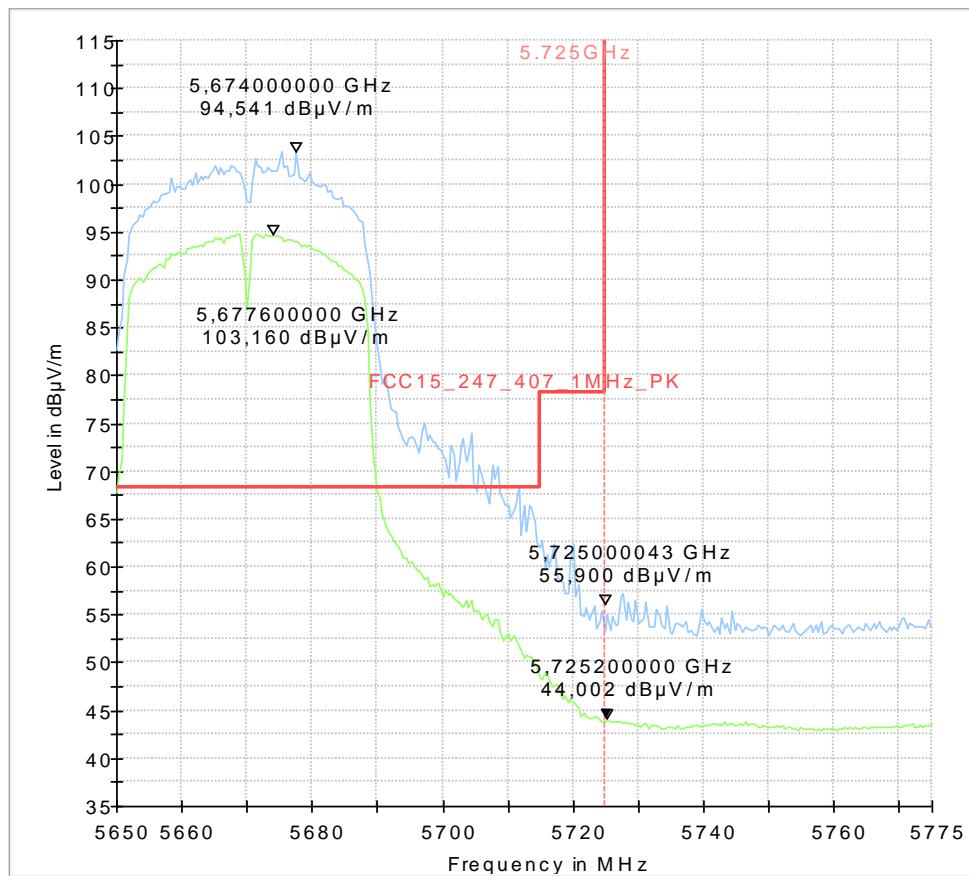
For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.22. n Mode- B.W. 40 MHz -Channel 134 (5670 MHz) (U-NII-2C: right band edge)**Diagram No.: 9.41b_BE-High-SKORPIO X4-WLANS GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch134+20dBm****Common Information**

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-2C-Ch 134 (5670 MHz)-PWR+20dBm
Operator Name: Mah
Comment: U-NII-2C High

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: SKORPIO X4
EuT Type: 00ANM4HS0GF0A4
P/N: 942600012
S/N: Z16P01691
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.00.29
Input: fully Internal Battery charging
Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.23. n Mode- B.W. 40 MHz -Channel 151 (5755 MHz) (U-NII-3: left band edge)

Diagram No.: 9.42a_BE-Low-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch151-+20dBm

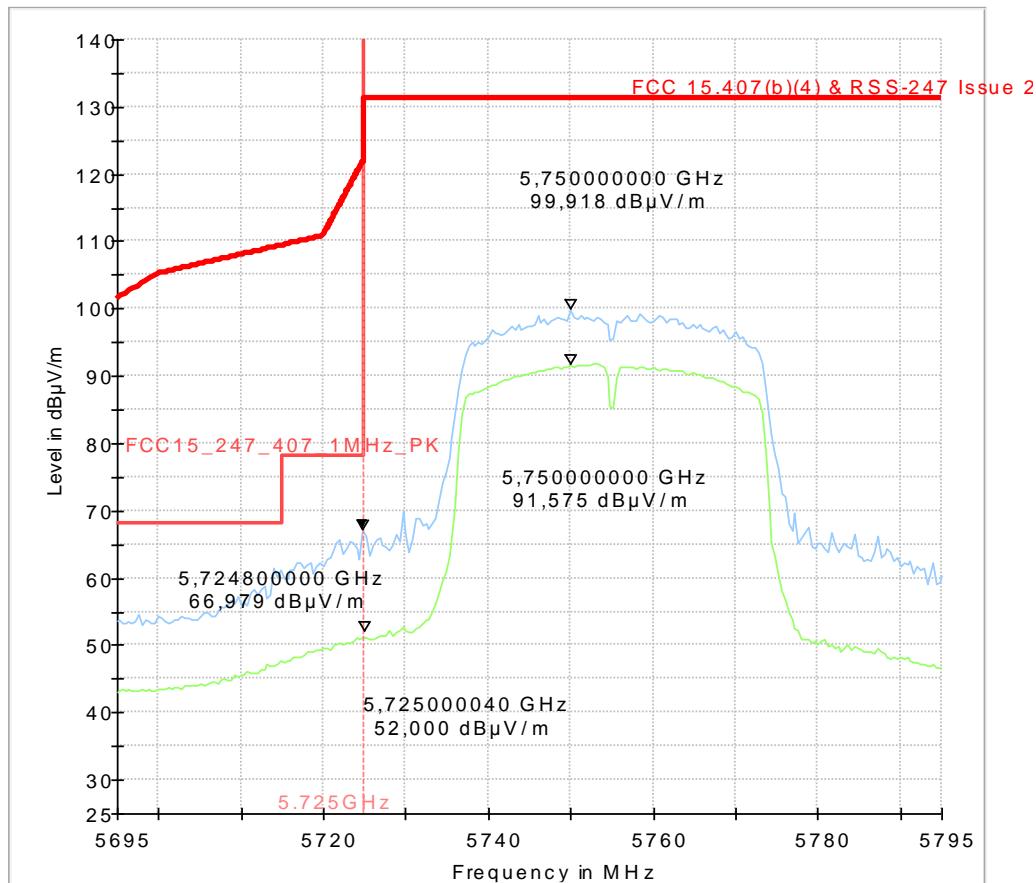
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 151 (5755 MHz)-PWR+20dBm
 Operator Name: APH
 Comment: U-NII-3 Low

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a

3.24. n Mode- B.W. 40 MHz -Channel 159 (5795 MHz) (U-NII-3: right band edge)

Diagram No.: 9.42b_BE-High-SKORPIO X4-WLAN5 GHz-TX-nMode-SISO-B.W40MHz-MCS0-Ch159+20dBm

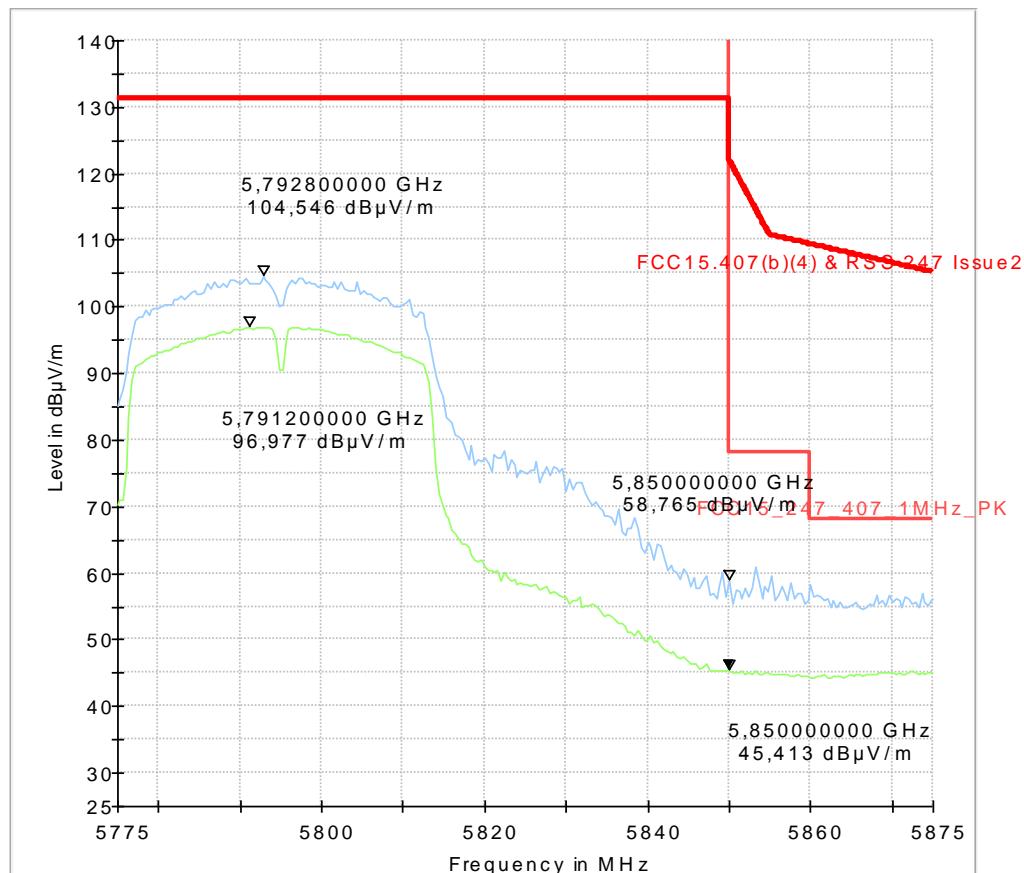
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC15.205 , 15.209 & FCC 15.407 Intentional Radiator
 Antenna polarisation: horizontal/vertical
 Software Version: #Ver
 Operation mode: Continuous TX-n Mode-SISO-B.W. 40 MHz-MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
 Operator Name: Mah
 Comment: U-NII-3 High

EUT Information

Manufacturer: Datalogic S.r.l.
 EUT MODEL: SKORPIO X4
 EuT Type: 00ANM4HS0GF0A4
 P/N: 942600012
 S/N: Z16P01691
 HW Version: BETA
 SW Version: Android 4.4.4
 Firmware Version: 2.00.29
 Input: fully Internal Battery charging
 Battery Type: BT-0016 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 16-1-0181301T10a