Annex 1: Measurement diagrams to
T E S T R E P O R T
No.: 17-1-0180901T16a

According to:

FCC Regulations
Part 15.205
Part 15.209
Part 15.407

for

Datalogic S.r.l.

FALCON X4
Type: E00ANM4HS0GF0A4

FCC ID: U4GFX4WB

Laboratory Accreditation and Listings			
((DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	FCC USA MRA US-EU 0003	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	VCI Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
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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			

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2. Radiated Field Strength Measurements

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

Diagram No. 2.31_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit -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 15.407/15.209/15.205
Operator:	AFr
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit - U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.32_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch56+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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit - U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.33_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.34_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.35_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-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 15.407/15.209/15.205

Operator: KIv
Operating conditions: Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS0- U-NII-1-Ch 48 (5240 MHz)-
                                     PWR+20dBm
Power during tests: Battery

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: FALCON X4
EuT Type: E00ANM4HS0GF0A4
P/N: 945550001
S/N: Z17P02008
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.01.46.20180109
Input: fully Internal Battery charging
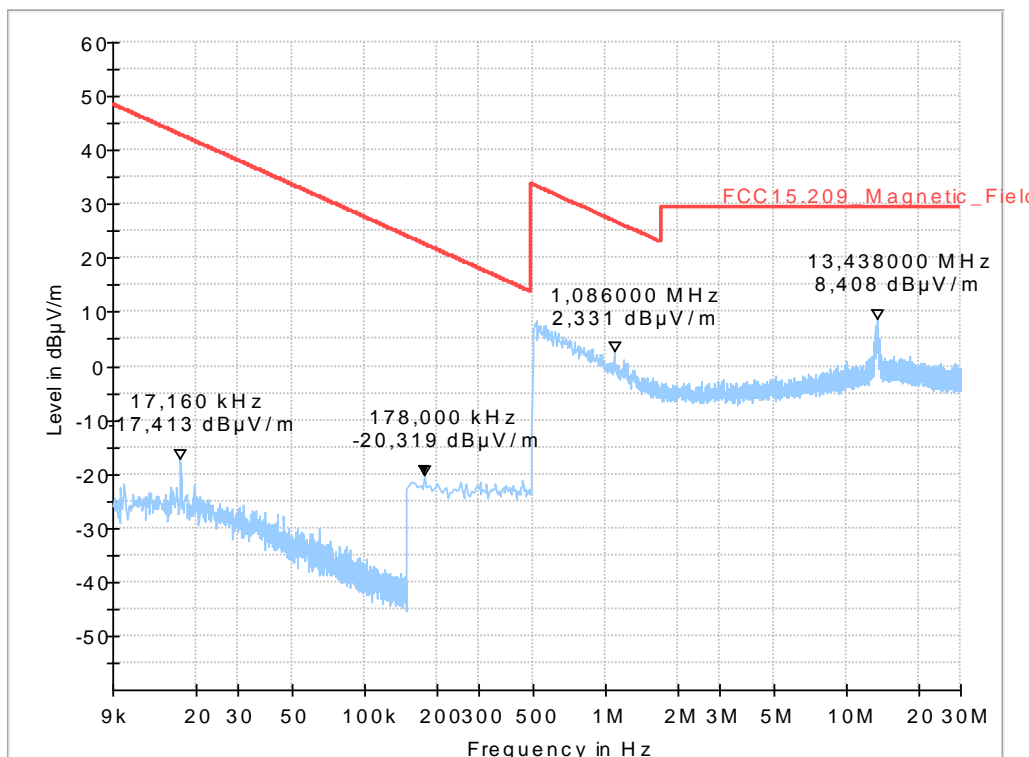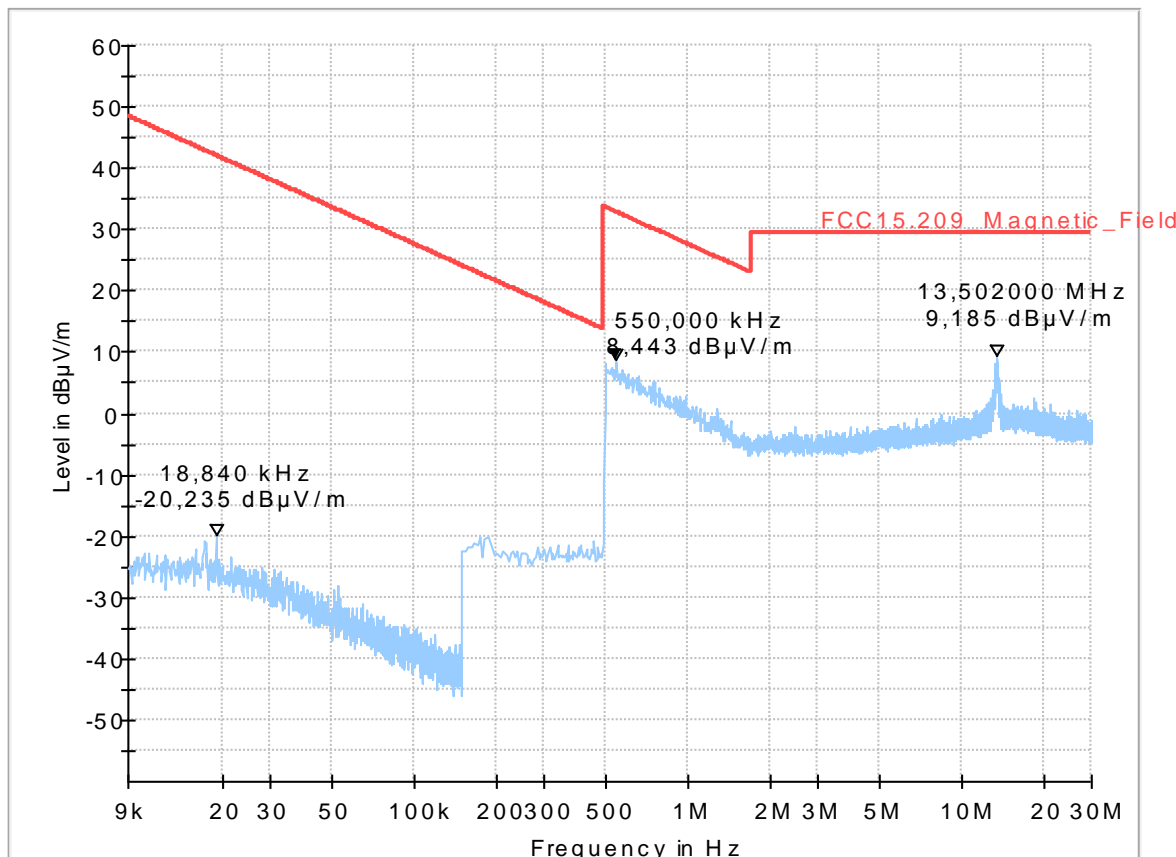Battery Type: BT-26 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.36_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0 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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.37_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

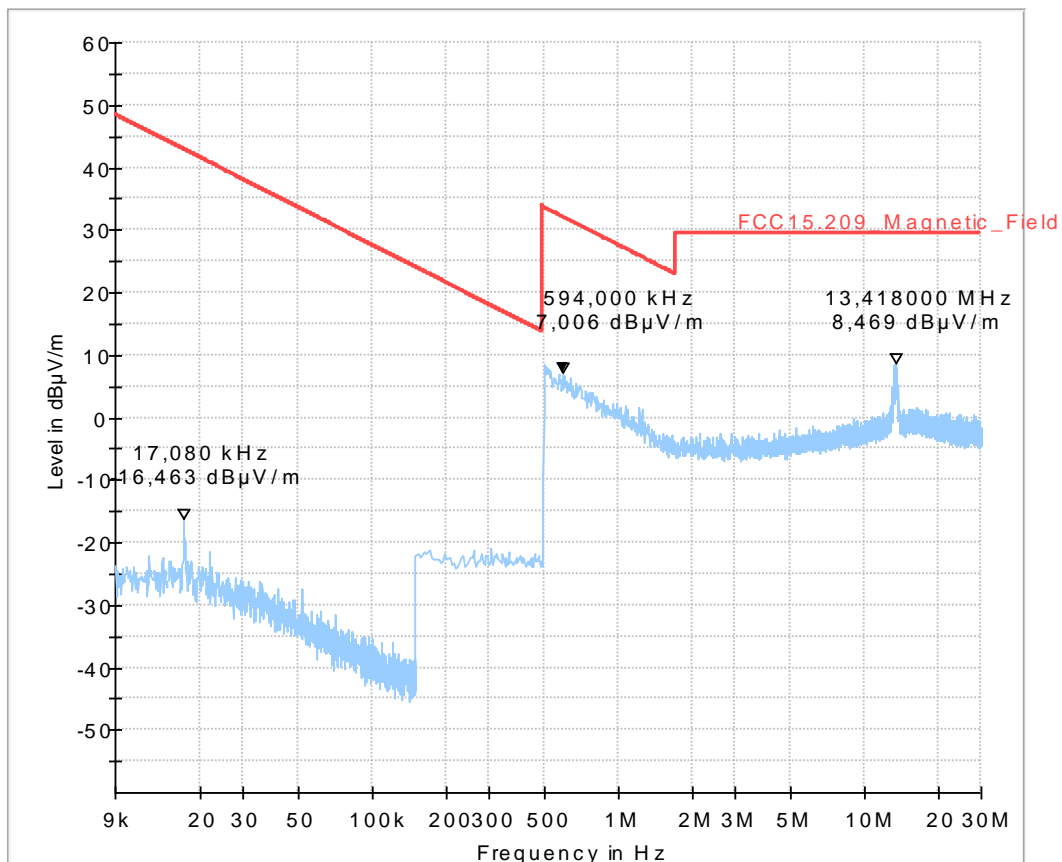|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.38_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

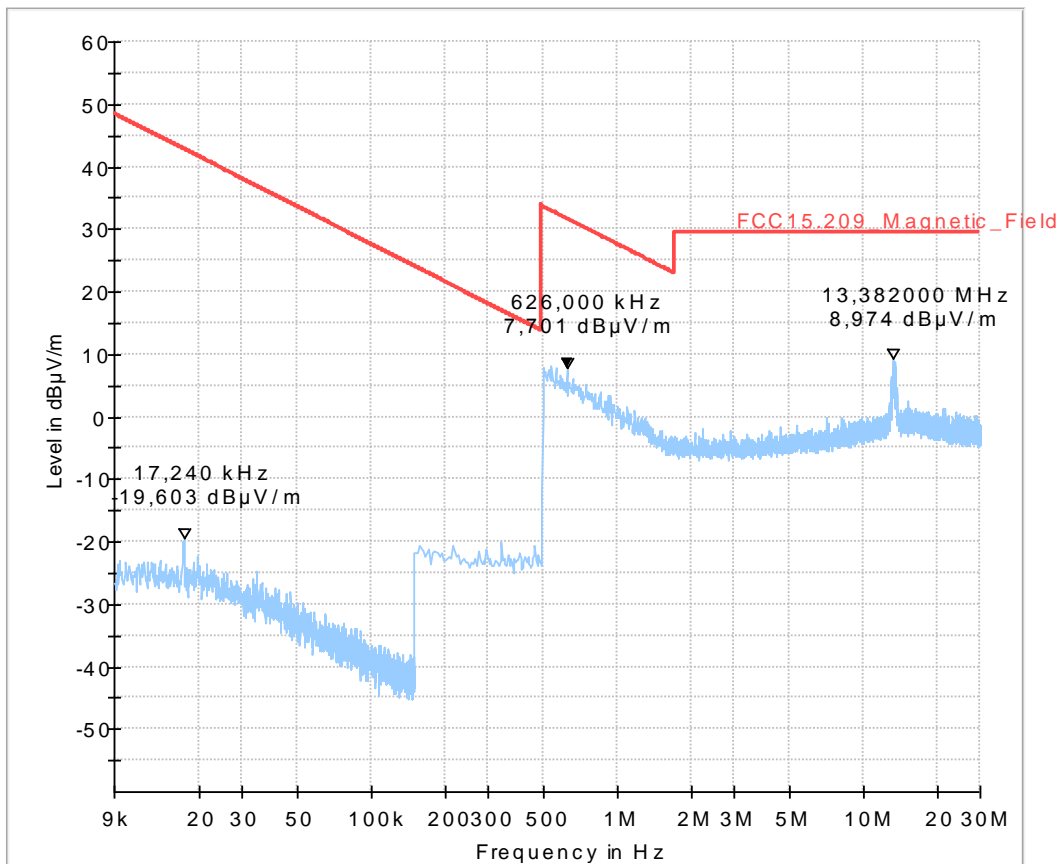|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.39_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator:	RIs
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

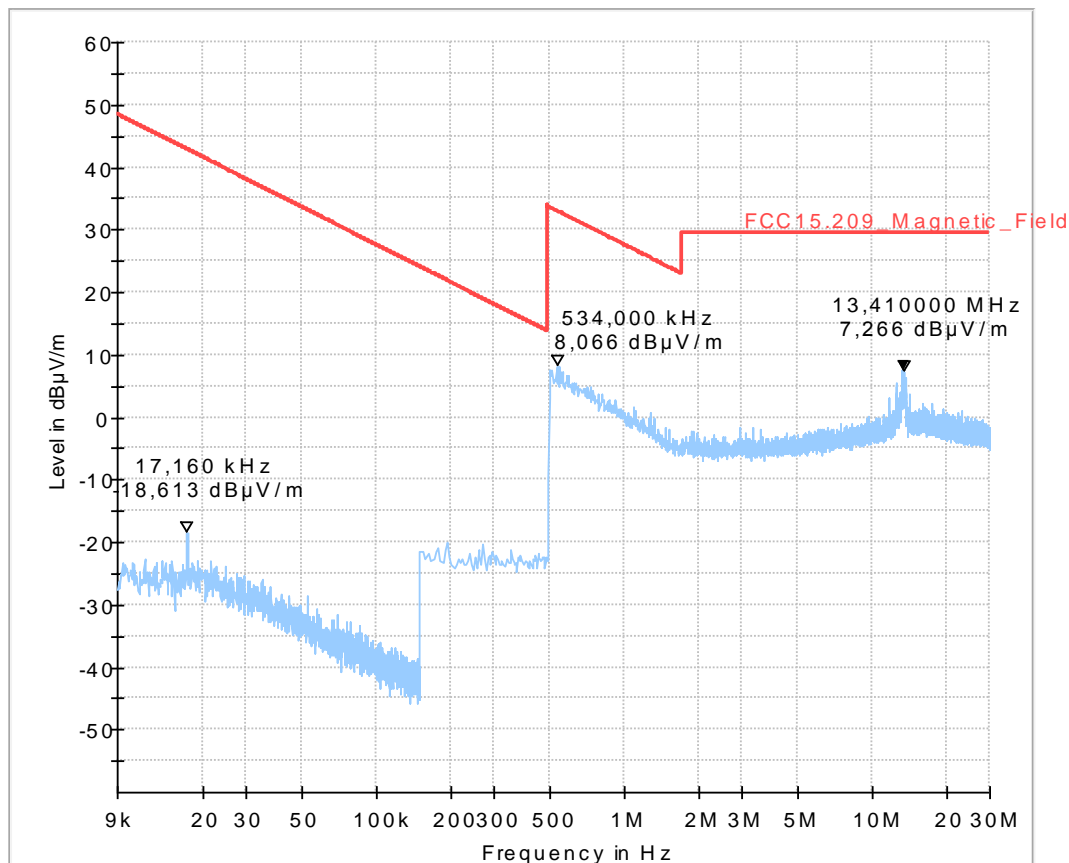|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.40_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator: RIs
Operating conditions: Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
Power during tests: Battery

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: FALCON X4
EuT Type: E00ANM4HS0GF0A4
P/N: 945550001
S/N: Z17P02008
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.01.46.20180109
Input: fully Internal Battery charging
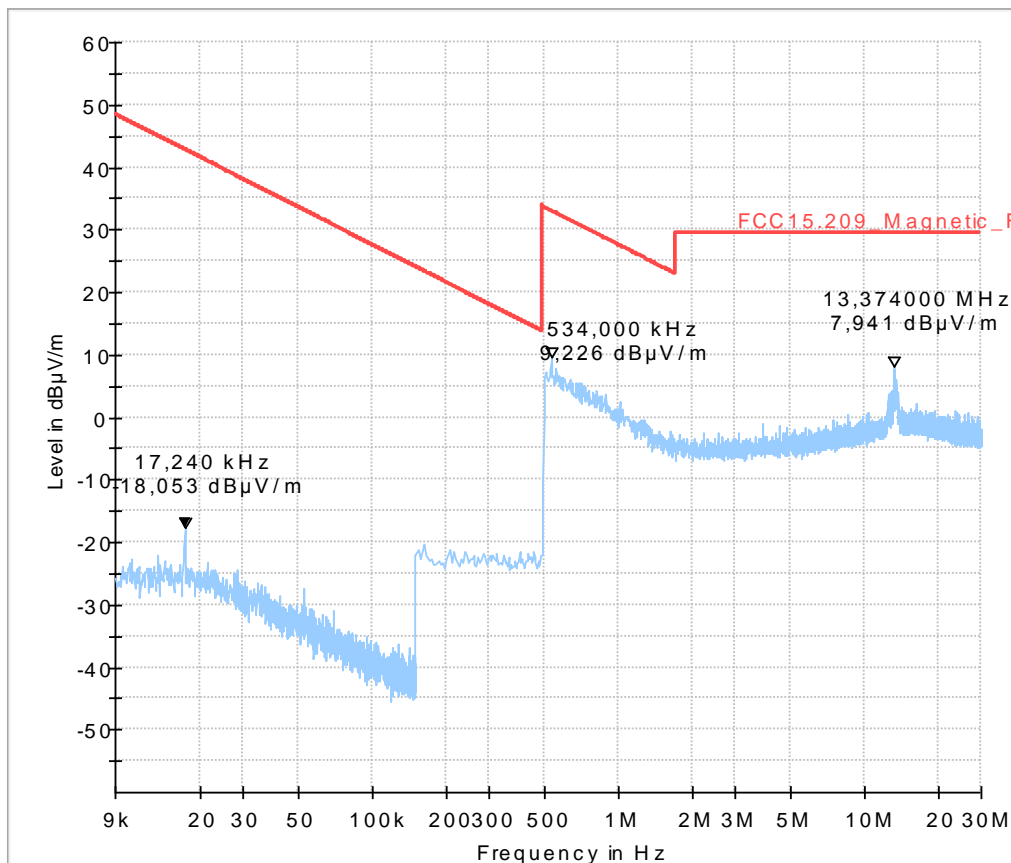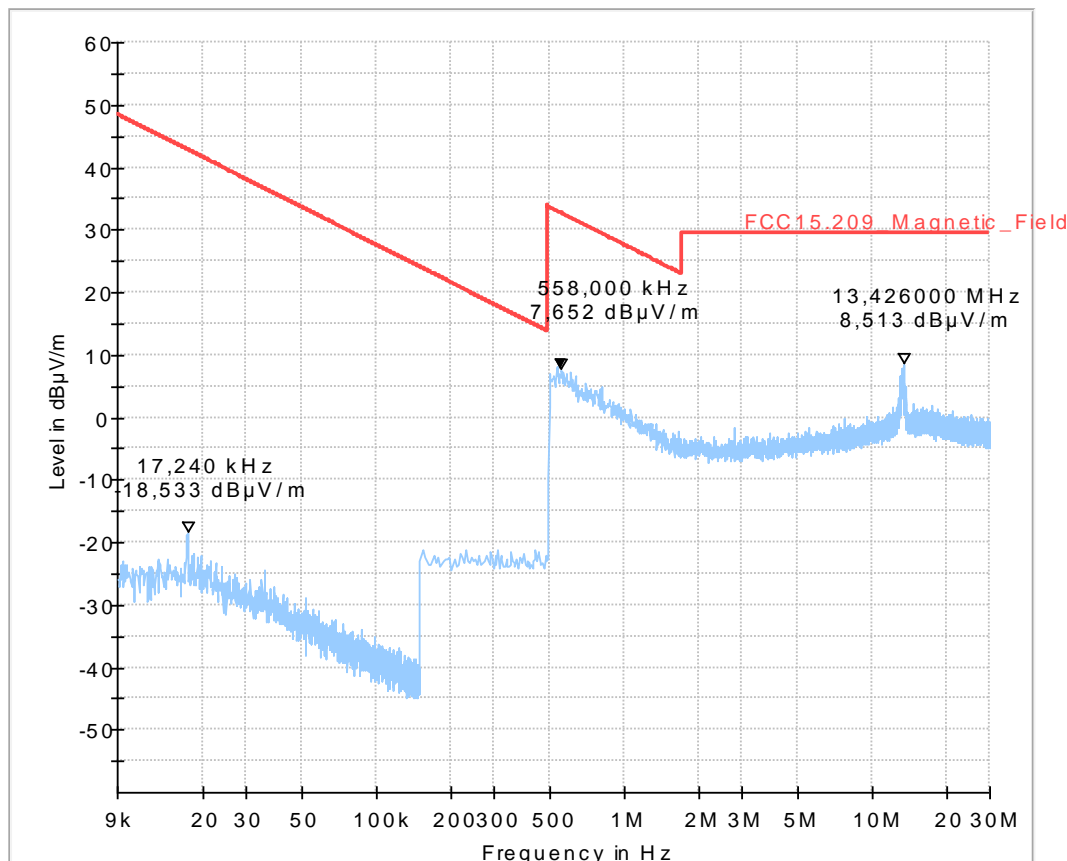Battery Type: BT-26 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.41_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator:	RIs
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Diagram No. 2.42_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator:	RIs
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

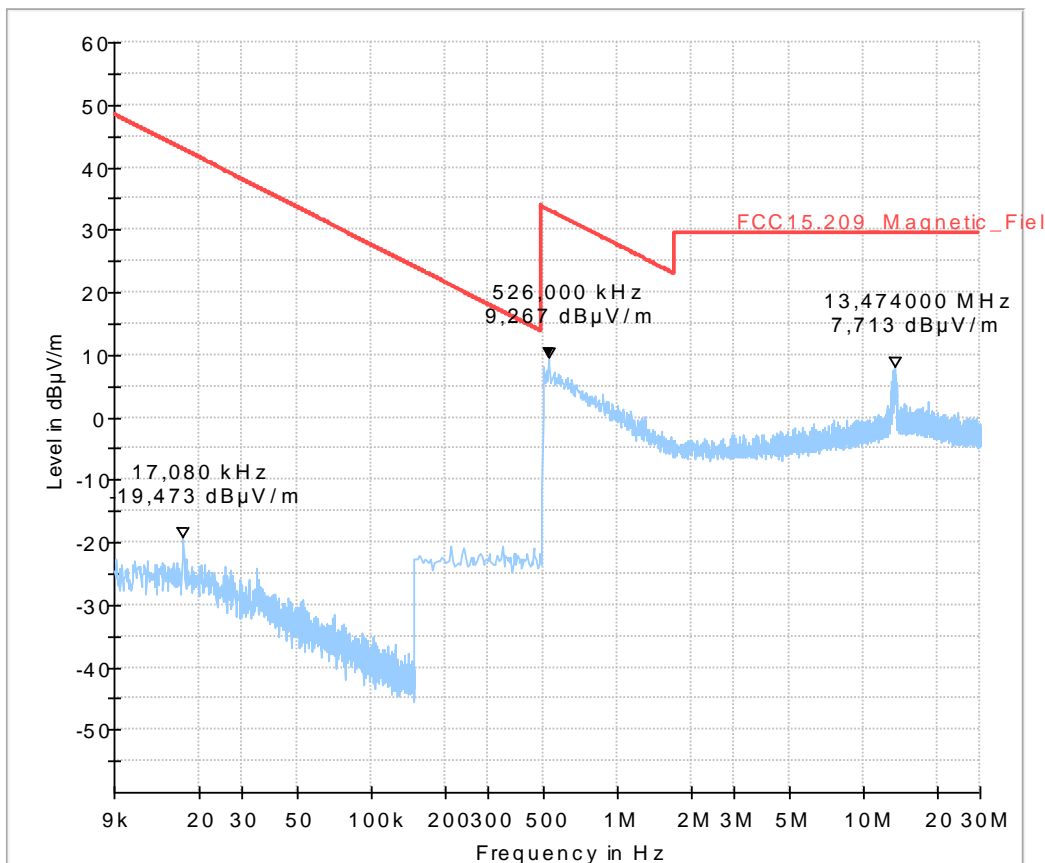|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

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

Diagram No. 3.31_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit - U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information
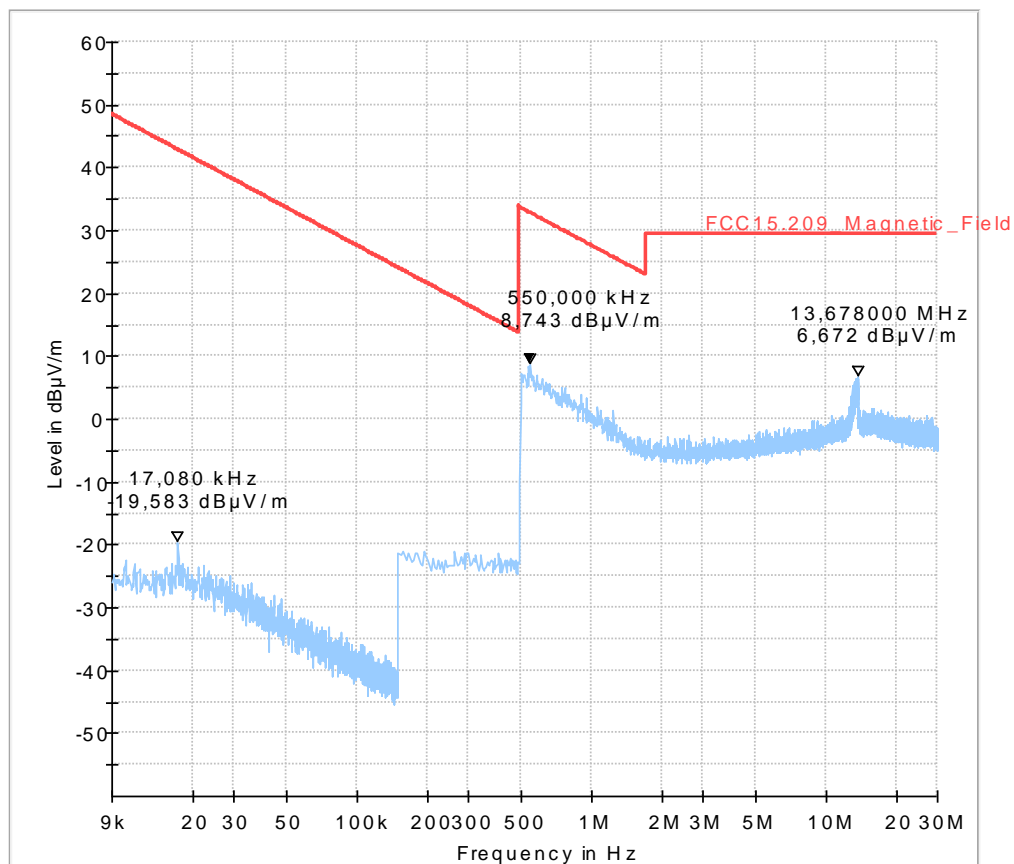|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.32_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit -Ch56+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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit - U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

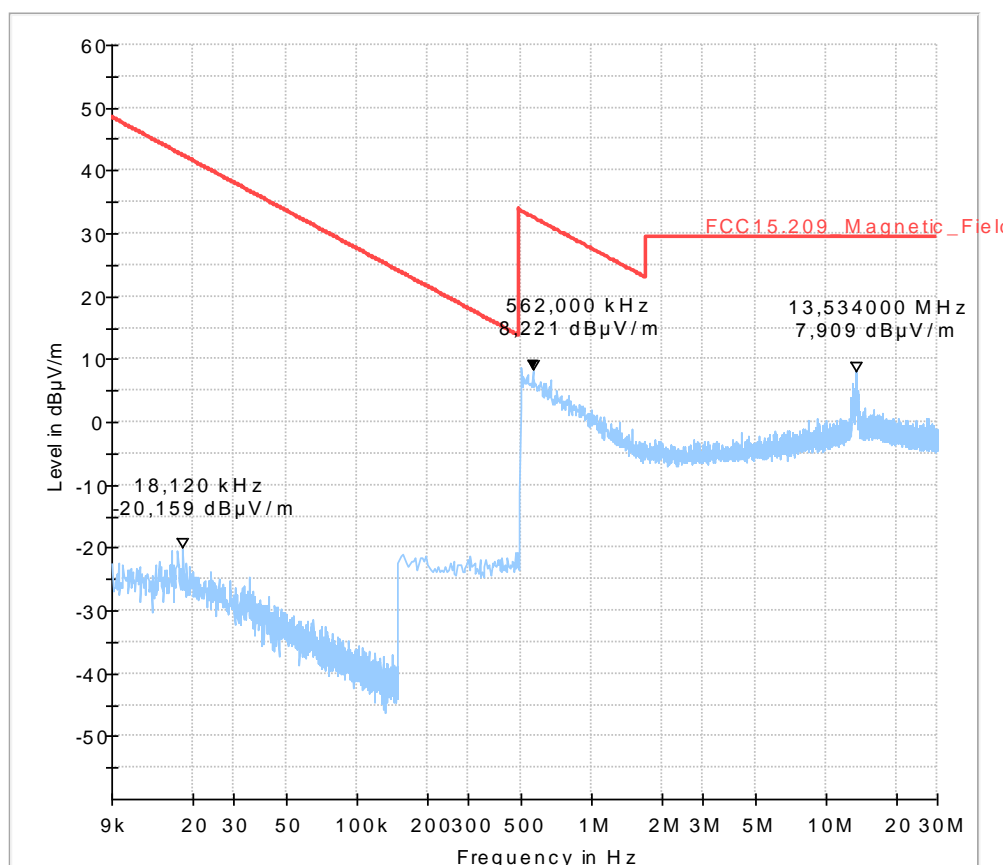|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.33_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit -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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit - U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

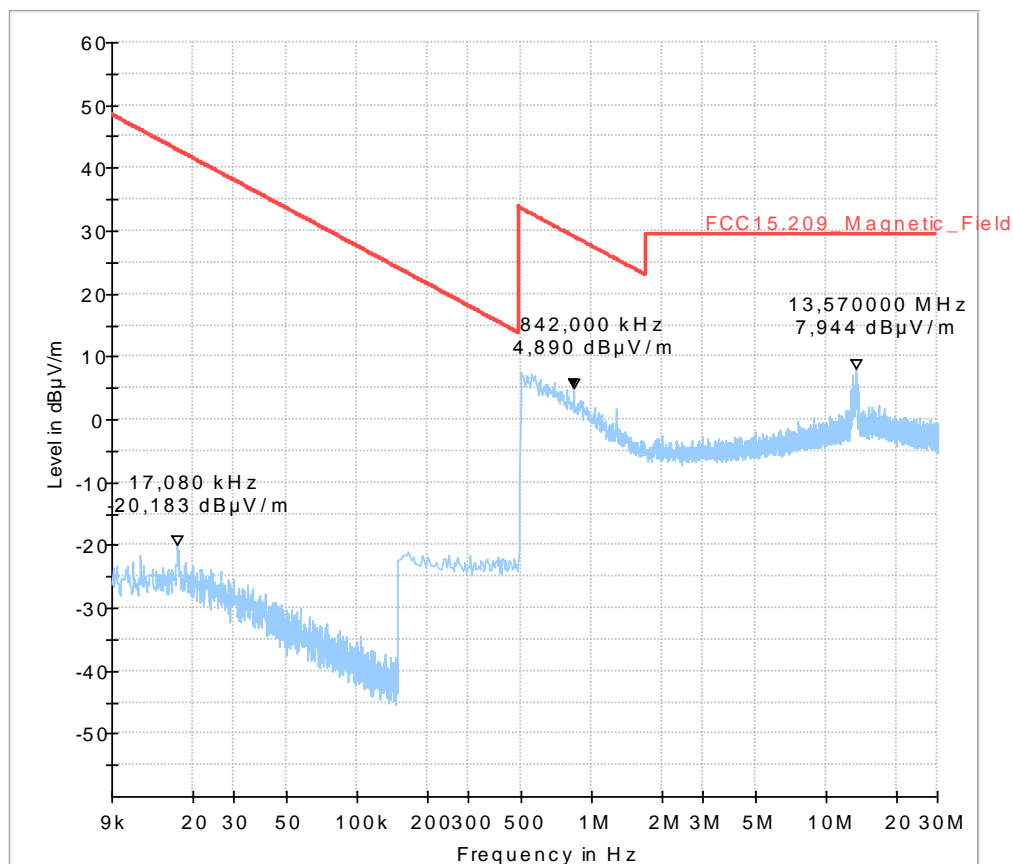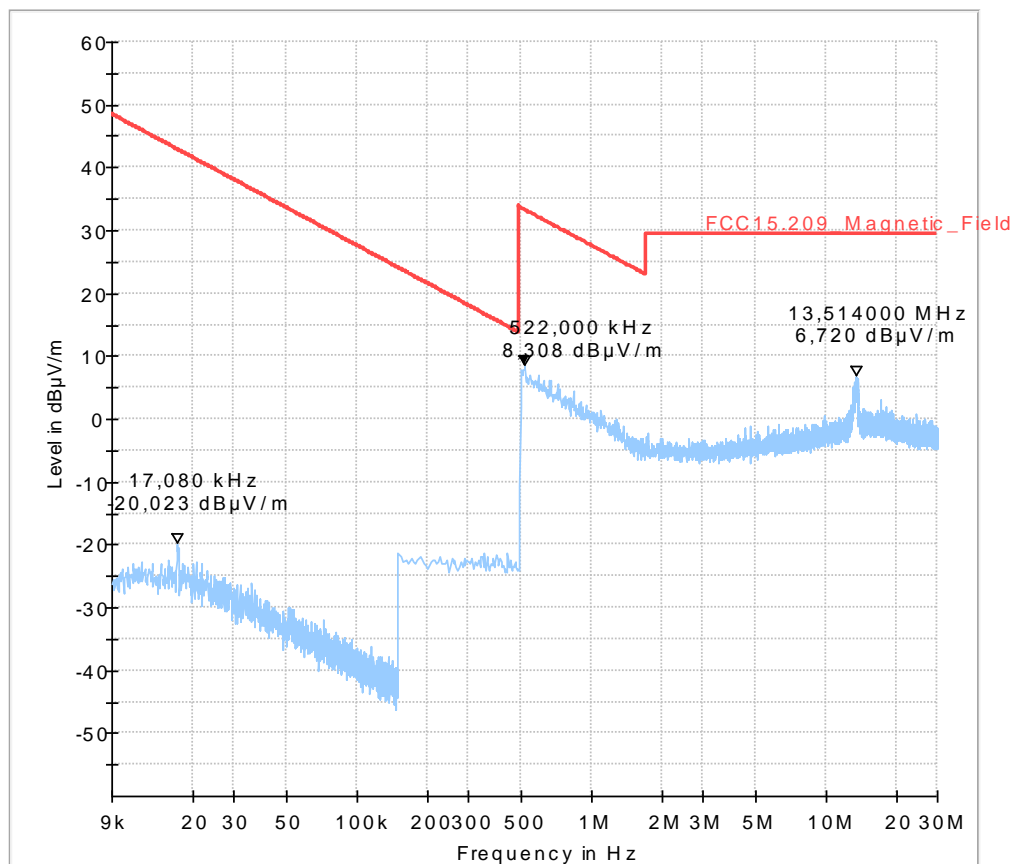|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.34_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6Mbit - U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.35_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

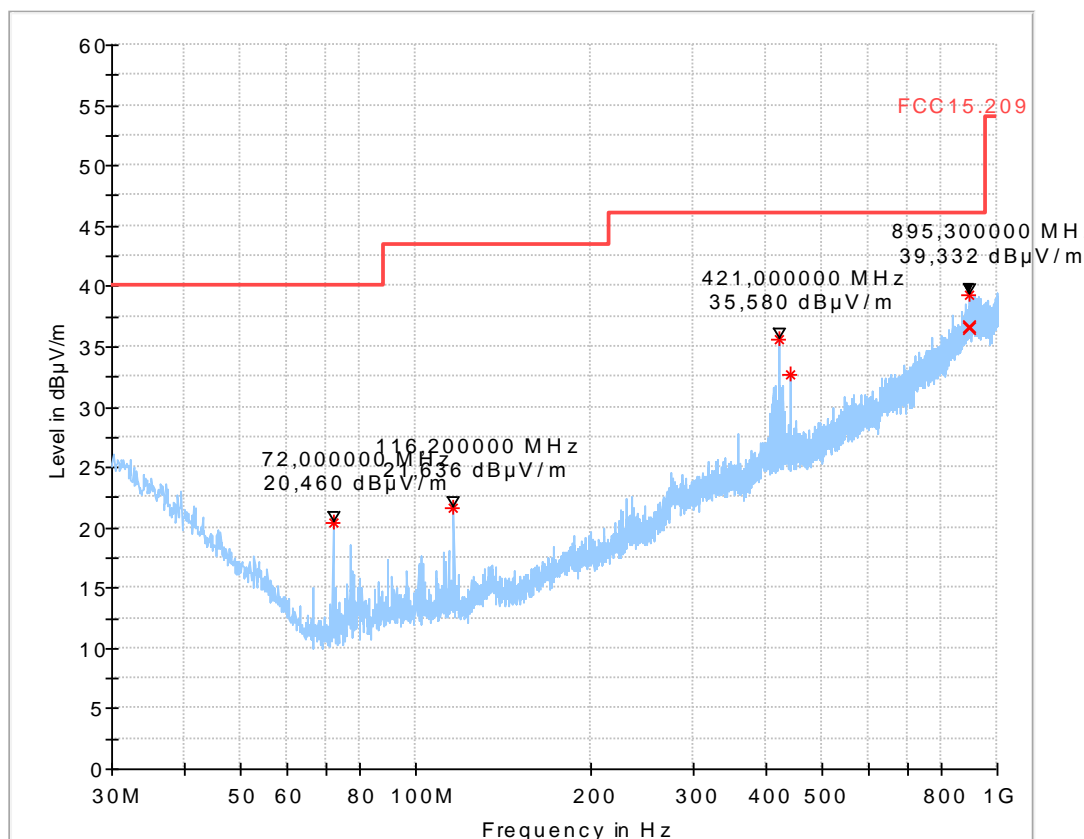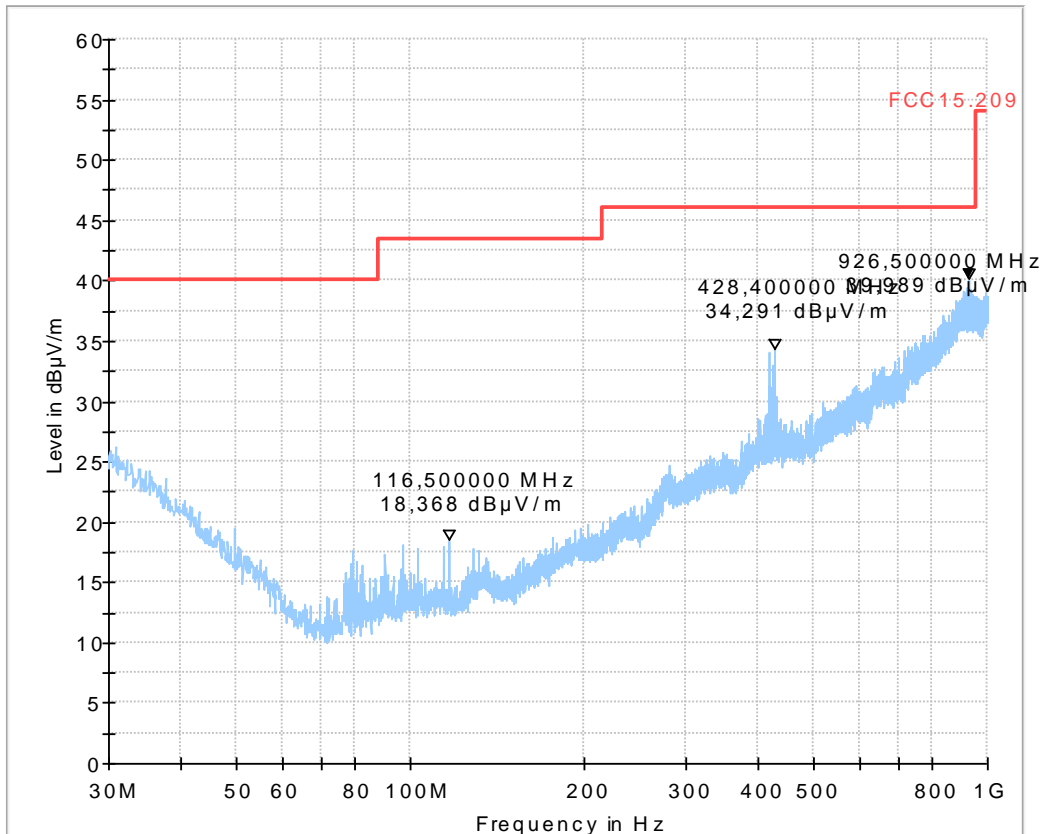|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.36_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

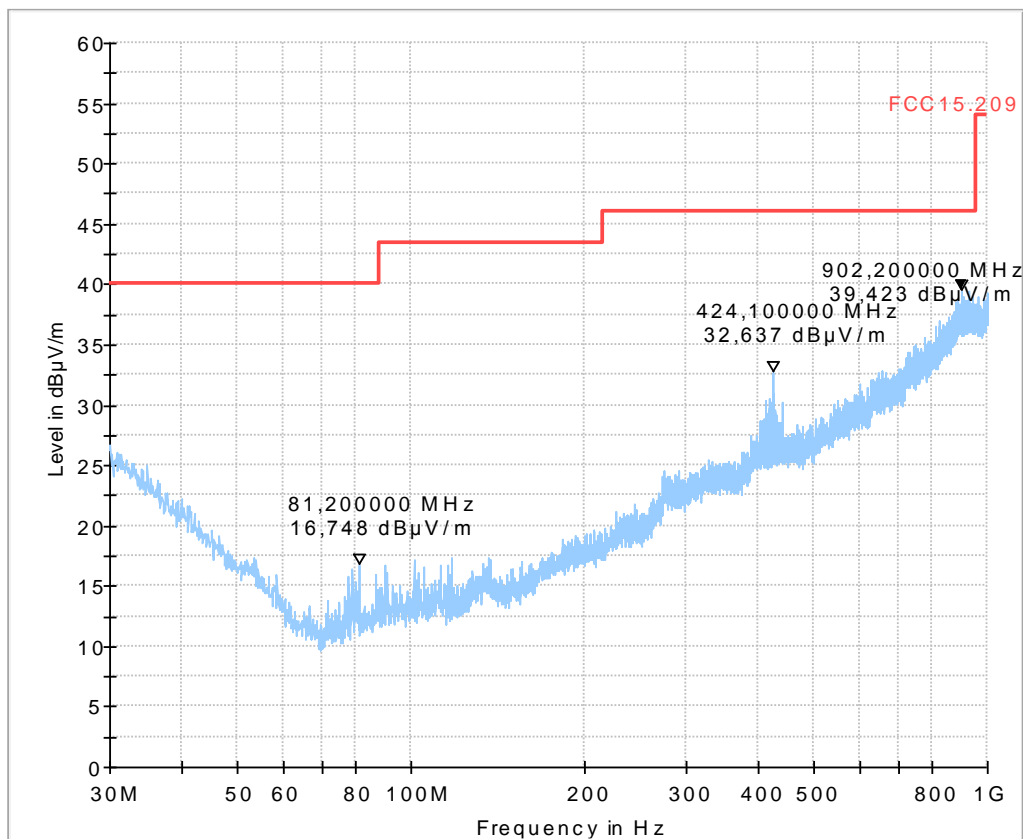|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.37_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-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 15.407/15.209/15.205
Operator:	KIv
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

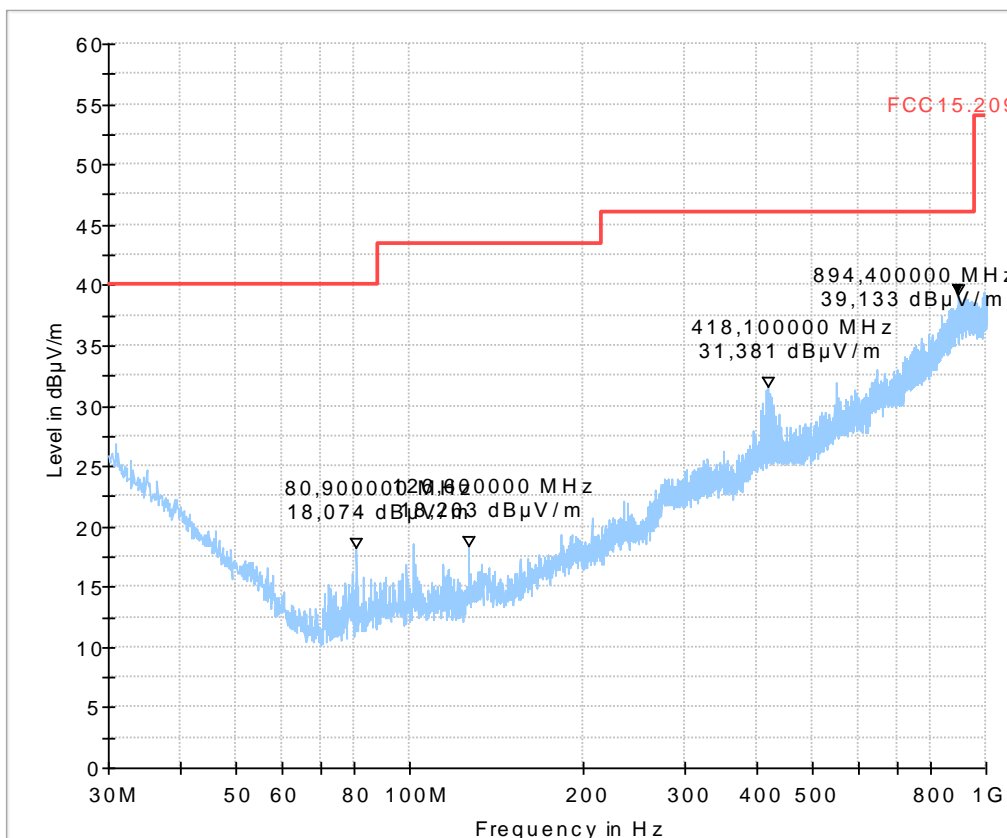|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.38_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch157+20dBm

	28.10.2017 Page 1 of 1
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 15.407/15.209/15.205
Operator:	HEl
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

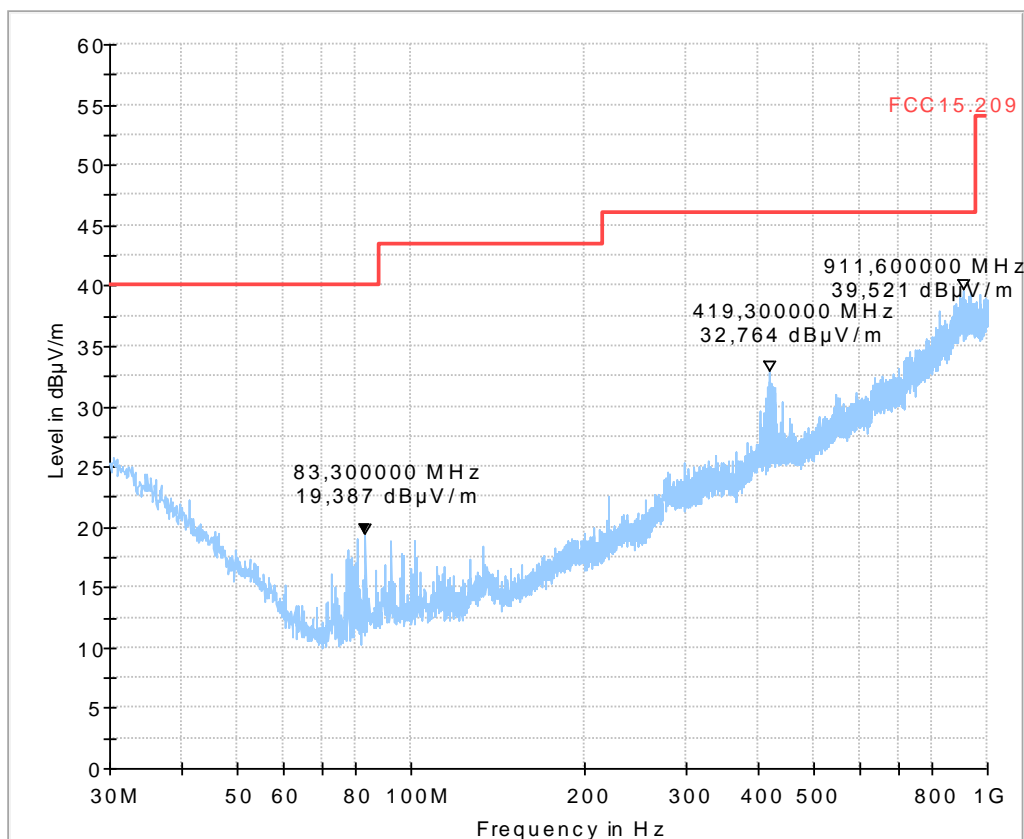|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.39_FALCON 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

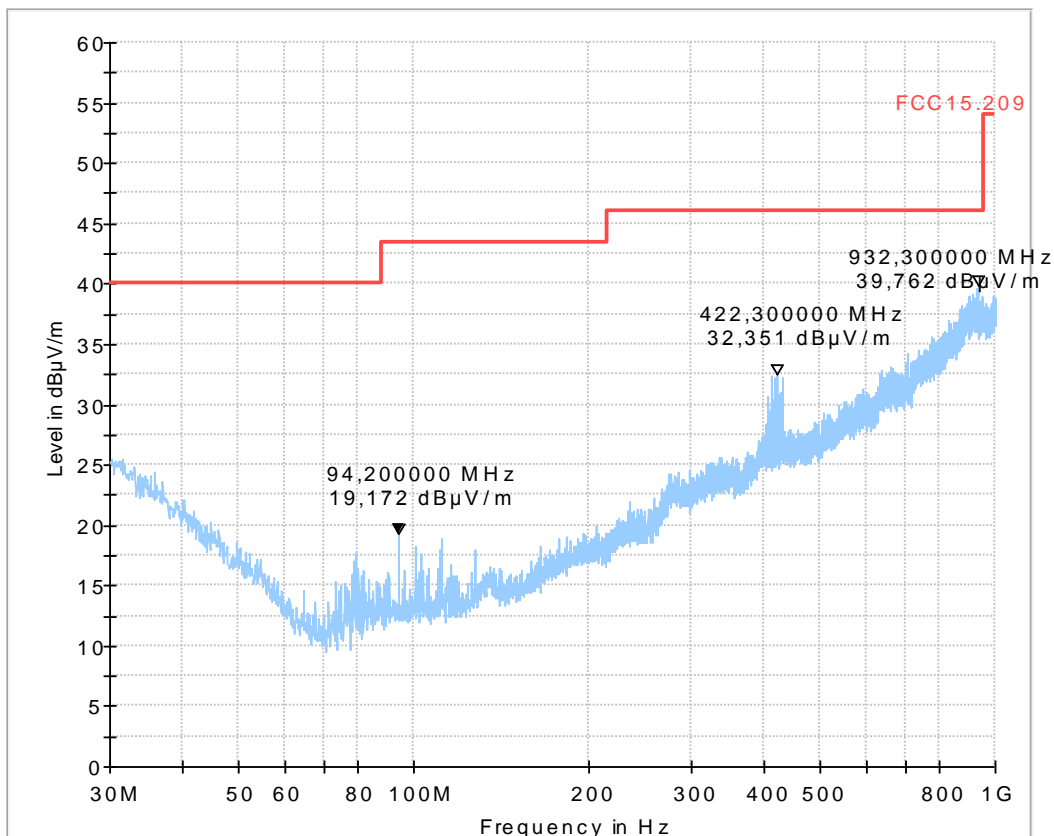|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.40_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator:	HEl
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

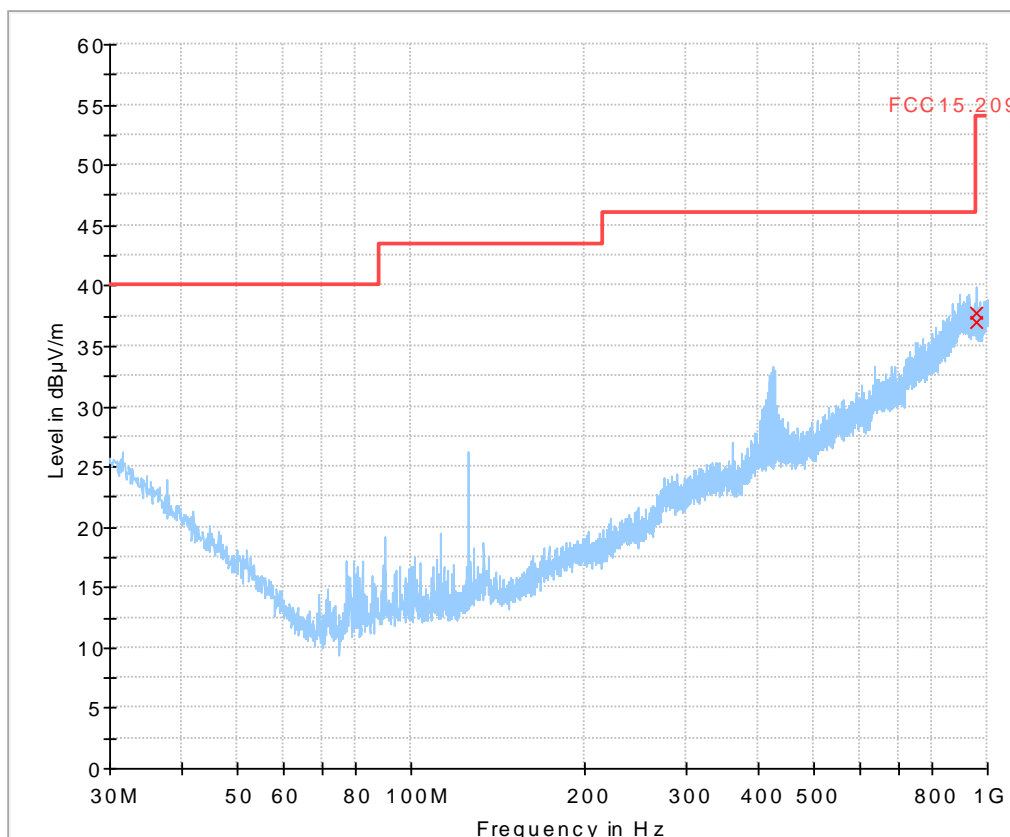|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.41_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator:	HEl
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

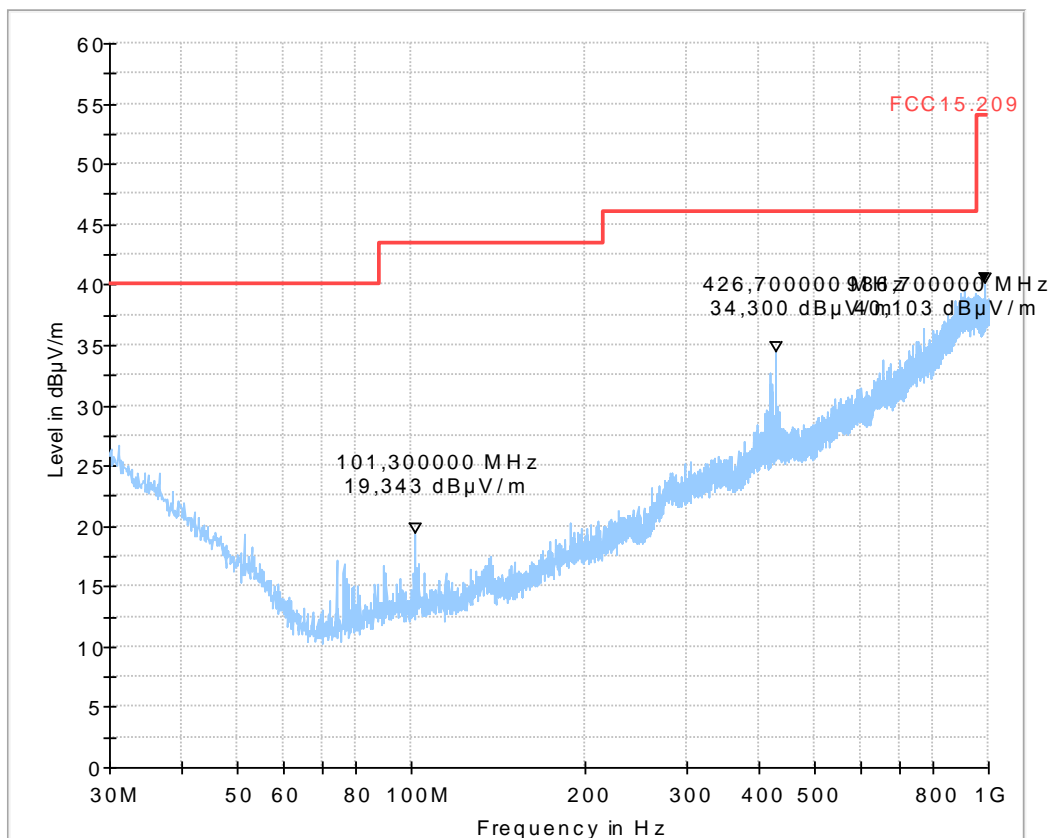|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

Diagram No. 3.42_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- 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 15.407/15.209/15.205
Operator:	HEl
Operating conditions:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
Power during tests:	Battery

EUT Information

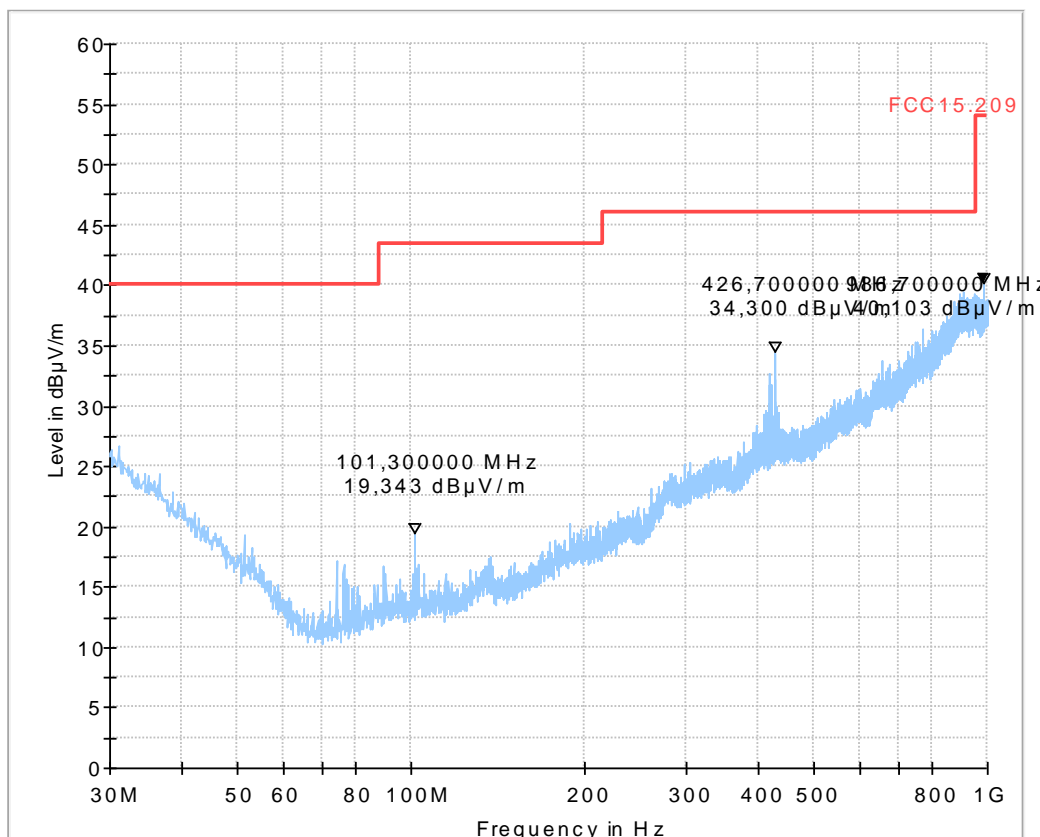|	
Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

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

Diagram No.: 4.31_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch48+20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1695.300000	---	42.57	54.00	11.43	100.0	1000.000	155.0	H	340.0	0.0
1701.900000	---	42.63	54.00	11.37	100.0	1000.000	155.0	H	54.0	90.0
1703.550000	---	42.59	54.00	11.81	100.0	1000.000	155.0	H	71.0	90.0
1741.650000	53.61	---	68.00	14.39	100.0	1000.000	155.0	H	48.0	90.0
1853.200000	---	45.13	150.00	104.87	100.0	1000.000	155.0	V	40.0	90.0
2475.250000	58.51	---	68.00	9.49	100.0	1000.000	155.0	H	238.0	0.0
2485.500000	---	47.58	54.00	6.42	100.0	1000.000	155.0	H	304.0	0.0

Diagram No.: 4.32_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch56+20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1853.200000	---	46.69	150.00	103.31	100.0	1000.000	155.0	H	37.0	0.0
2132.150000	---	46.42	150.00	103.58	100.0	1000.000	155.0	V	80.0	0.0
2459.250000	57.70	---	68.00	10.30	100.0	1000.000	155.0	H	164.0	90.0
2460.400000	64.23	---	68.00	3.77	100.0	1000.000	155.0	V	226.0	90.0
2462.200000	65.08	---	68.00	2.92	100.0	1000.000	155.0	V	220.0	90.0
2462.700000	65.72	---	68.00	2.28	100.0	1000.000	155.0	V	177.0	90.0
2463.900000	65.08	---	68.00	2.92	100.0	1000.000	155.0	H	134.0	90.0
2463.950000	60.87	---	68.00	7.13	100.0	1000.000	155.0	V	165.0	90.0
2485.800000	---	47.58	54.00	6.42	100.0	1000.000	155.0	V	160.0	90.0
2487.350000	---	47.55	54.00	6.45	100.0	1000.000	155.0	V	100.0	0.0
2488.450000	---	47.54	54.00	6.46	100.0	1000.000	155.0	V	184.0	90.0

Diagram No.: 4.33_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch116+20dBm
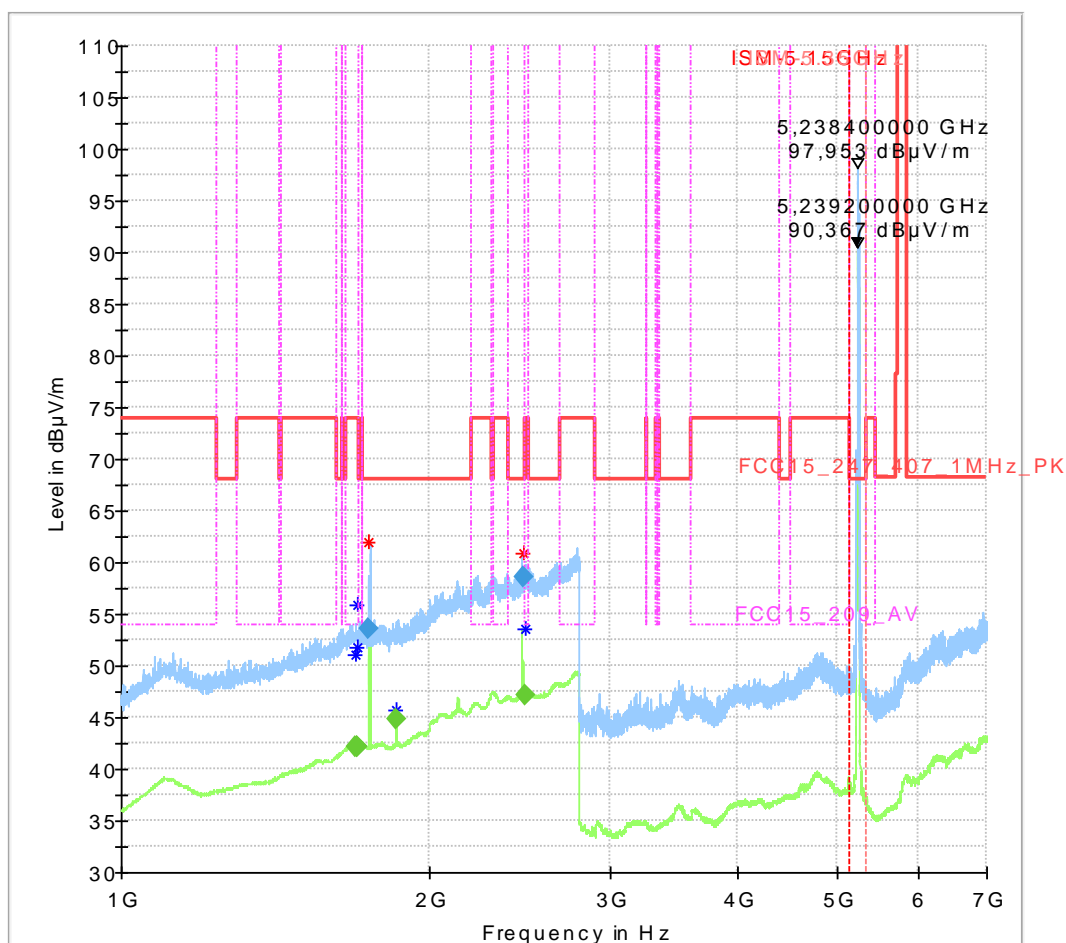
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1074.700000	48.92	---	74.00	25.08	100.0	1000.000	155.0	V	-5.0	0.0
1701.150000	---	42.60	54.00	11.40	100.0	1000.000	155.0	H	49.0	90.0
1702.800000	---	42.46	54.00	11.54	100.0	1000.000	155.0	H	12.0	90.0
1741.900000	62.57	---	68.00	5.43	100.0	1000.000	155.0	H	33.0	90.0
1751.050000	53.24	---	68.00	14.76	100.0	1000.000	155.0	H	5.0	90.0
1853.200000	---	44.16	150.00	105.84	100.0	1000.000	155.0	H	159.0	0.0
2462.950000	61.69	---	68.00	6.31	100.0	1000.000	155.0	V	101.0	90.0
2740.400000	---	48.55	54.00	5.45	100.0	1000.000	155.0	V	11.0	90.0
2777.450000	---	50.34	54.00	3.66	100.0	1000.000	155.0	V	19.0	0.0

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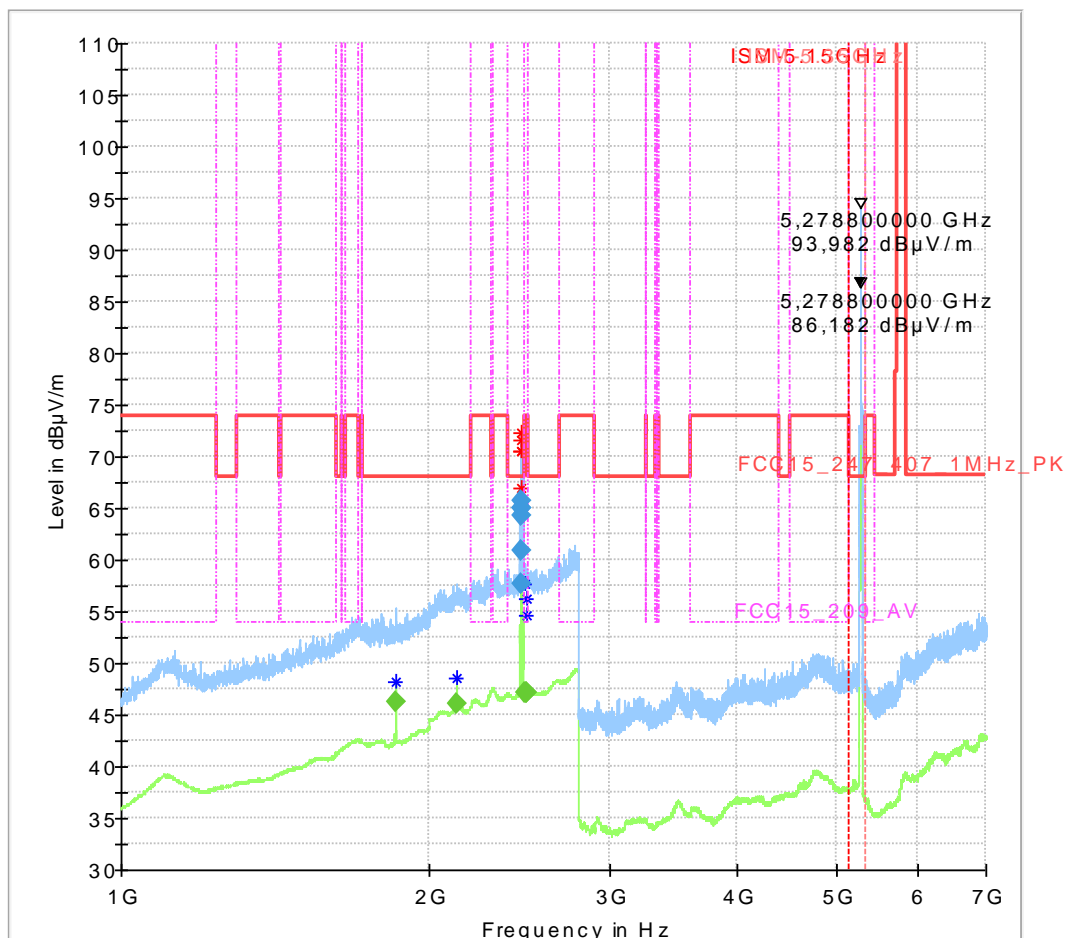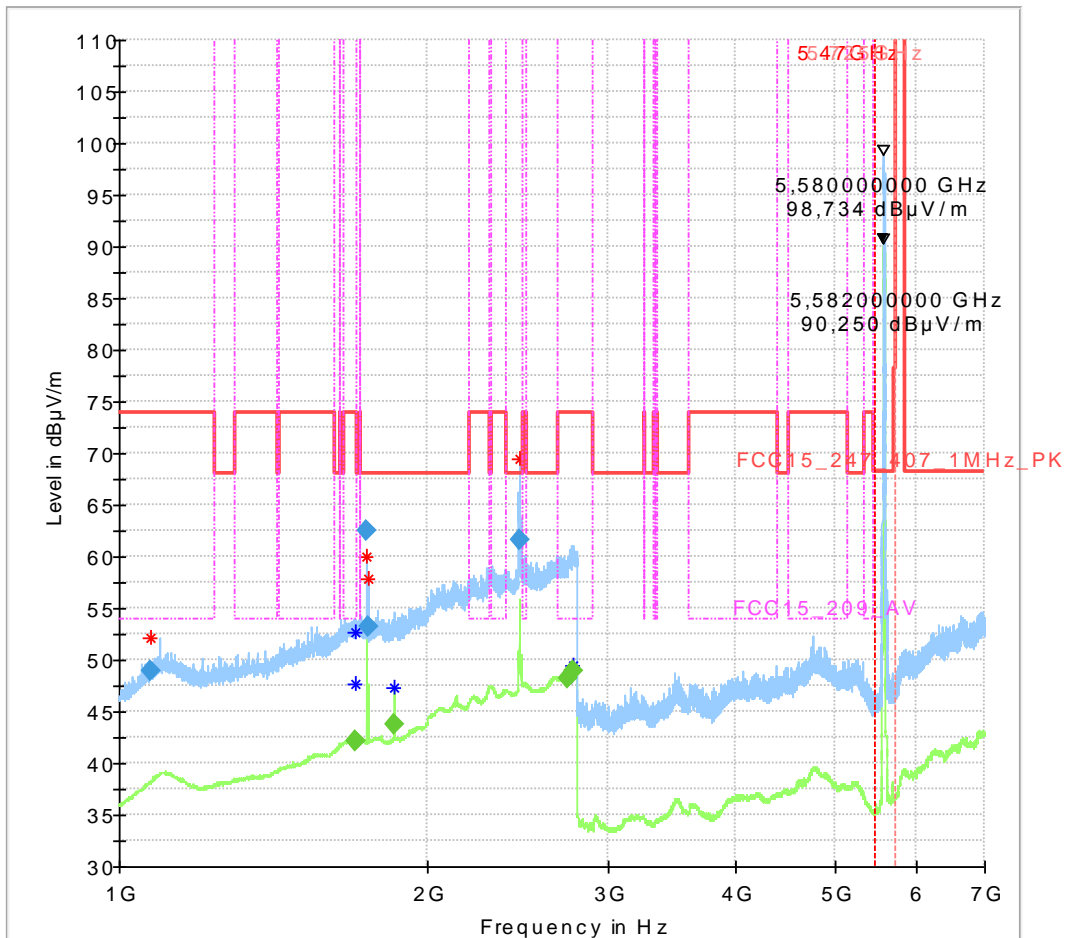
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-3-Ch 157 (5785 MHz)- PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
2131.800000	---	46.46	150.00	103.54	100.0	1000.000	155.0	V	309.0	90.0
2457.350000	58.14	---	68.00	9.66	100.0	1000.000	155.0	H	5.0	0.0
2484.600000	---	47.37	54.00	6.63	100.0	1000.000	155.0	H	105.0	90.0
2485.100000	---	47.38	54.00	6.62	100.0	1000.000	155.0	H	7.0	0.0
2740.000000	---	48.34	54.00	5.66	100.0	1000.000	155.0	V	147.0	0.0
2782.650000	---	49.11	54.00	4.89	100.0	1000.000	155.0	H	10.0	0.0

Diagram No.: 4.35_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch48+20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS0- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	MBe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Diagram No.: 4.36_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch64+20dBm
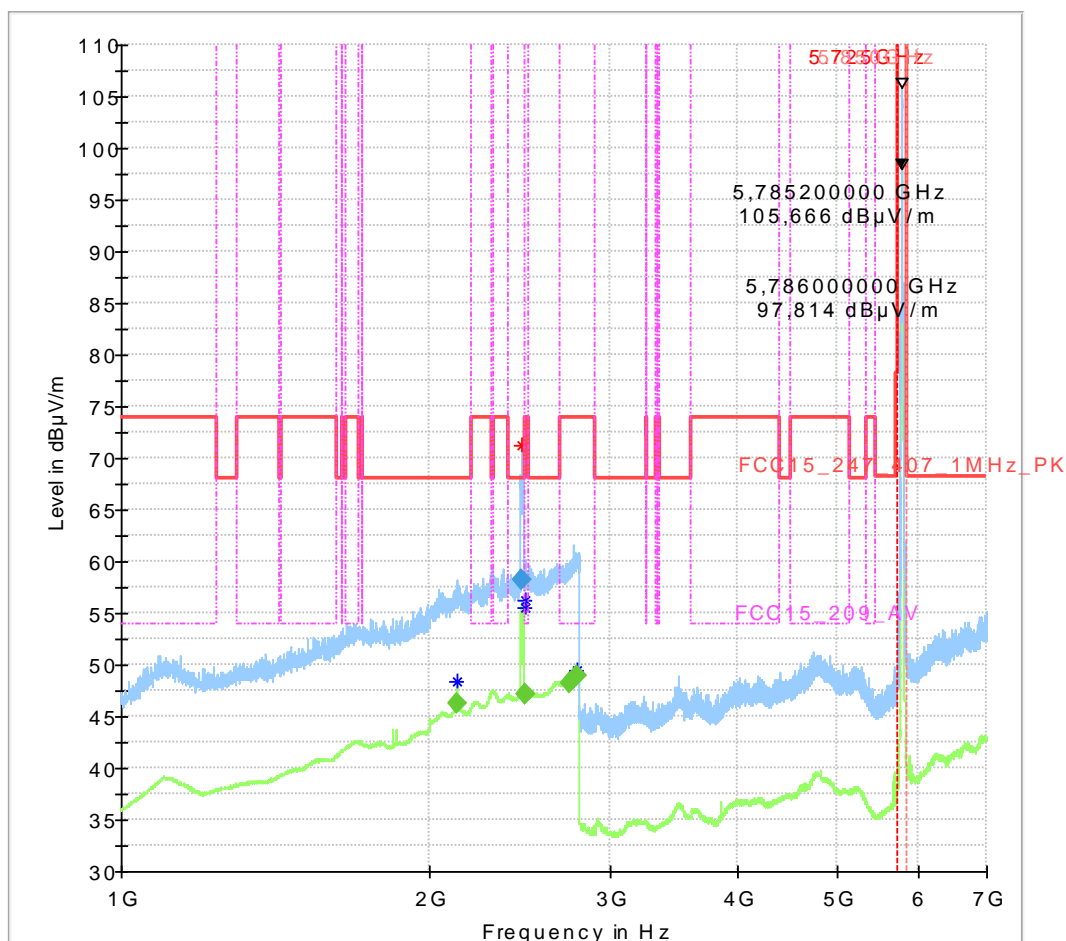
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Operator Name:	MBe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Diagram No.: 4.37_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch116+20dBm
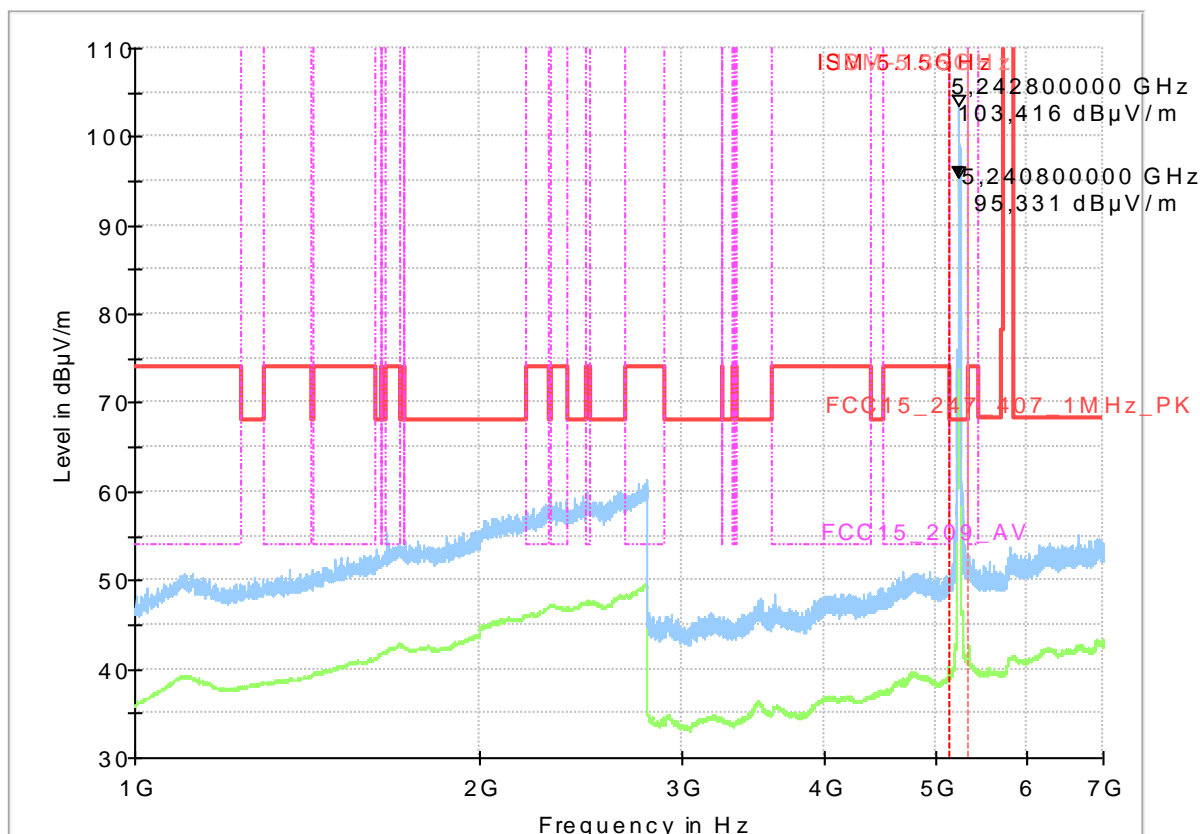
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2C-Ch 116 (5580 MHz)- PWR+20dBm
Operator Name:	HEl
Comment:	Channel no. low/middle/high

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1110.250000	49.73	---	74.00	24.27	100.0	1000.000	155.0	H	339.0	0.0
1853.050000	56.13	---	68.00	11.87	100.0	1000.000	155.0	V	342.0	90.0
1853.200000	---	51.85	150.00	98.15	100.0	1000.000	155.0	V	23.0	0.0
1853.300000	---	48.44	150.00	101.56	100.0	1000.000	155.0	V	280.0	90.0
1853.450000	56.37	---	68.00	11.63	100.0	1000.000	155.0	V	207.0	0.0
2126.250000	---	46.07	150.00	103.93	100.0	1000.000	155.0	H	291.0	0.0
2135.650000	56.62	---	68.00	11.38	100.0	1000.000	155.0	H	309.0	0.0

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

Frequency (MHz)	Corr. (dB)	Comment
1110.250000	34.9	09:36:18 - 11.11.2017
1853.050000	38.4	09:42:05 - 11.11.2017
1853.200000	38.4	09:48:15 - 11.11.2017
1853.300000	38.4	09:51:43 - 11.11.2017
1853.450000	38.4	09:39:23 - 11.11.2017
2126.250000	40.4	09:44:51 - 11.11.2017
2135.650000	40.5	09:34:03 - 11.11.2017

Diagram No.: 4.38_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch157+20dBm
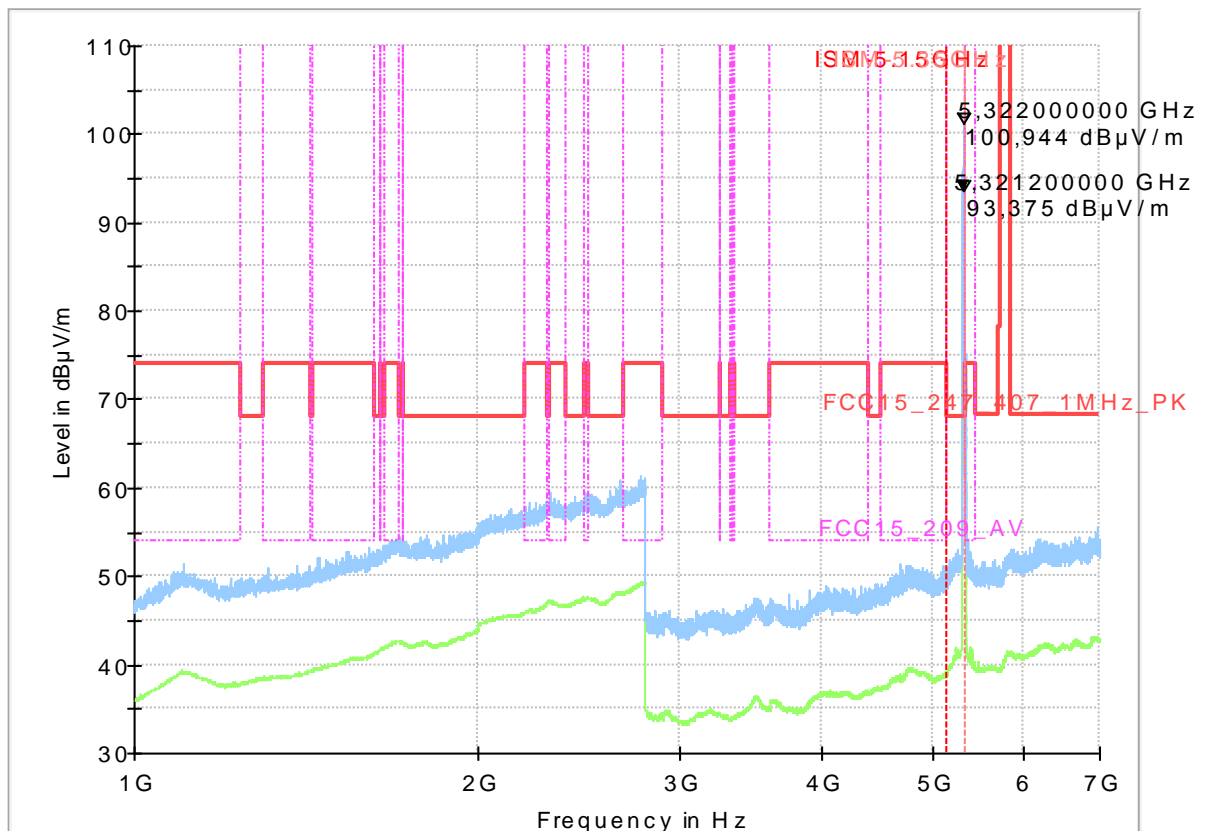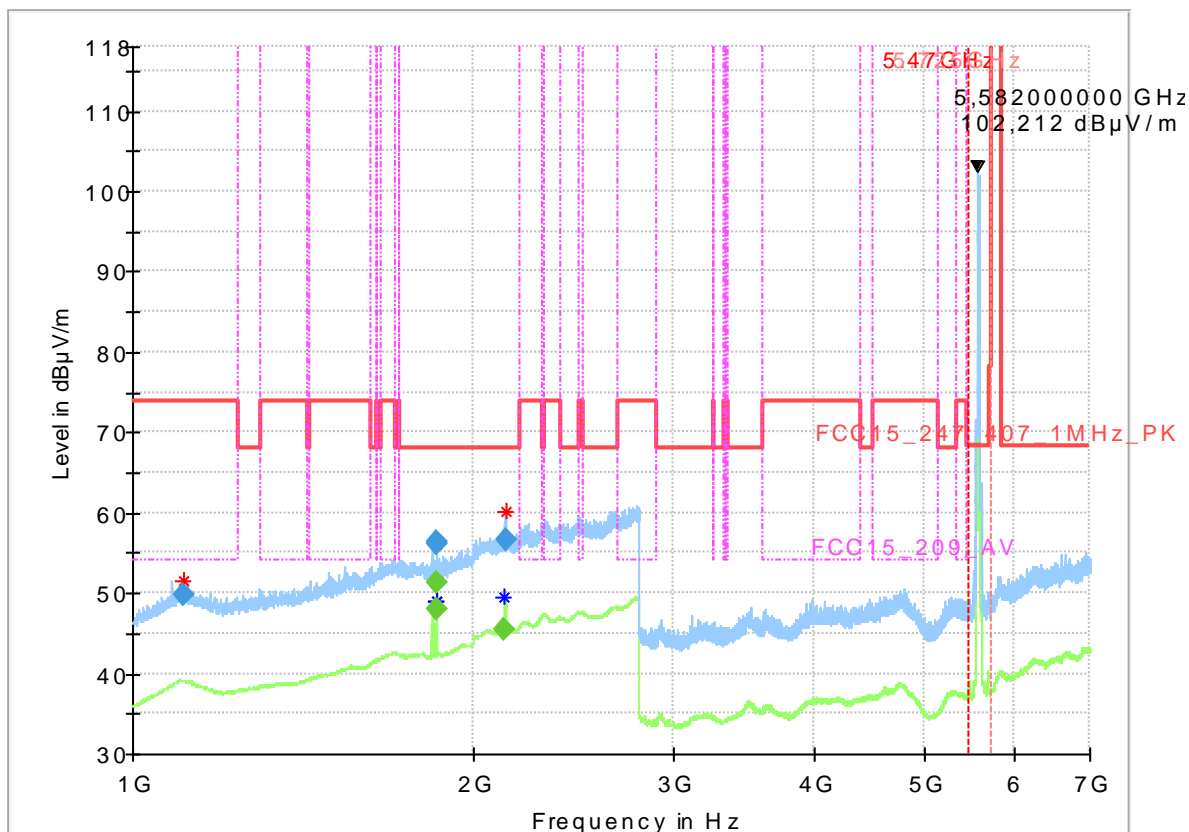
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	HEl

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1853.150000	---	47.98	150.00	102.02	100.0	1000.000	155.0	H	142.0	0.0
1853.200000	---	45.80	150.00	104.20	100.0	1000.000	155.0	V	-36.0	0.0
1853.400000	54.83	---	68.00	13.17	100.0	1000.000	155.0	H	222.0	0.0
2131.600000	58.88	---	68.00	9.12	100.0	1000.000	155.0	H	7.0	0.0
2132.100000	---	47.17	150.00	102.83	100.0	1000.000	155.0	H	57.0	0.0

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

Frequency (MHz)	Corr. (dB)	Comment
1853.150000	38.4	08:41:58 - 11.11.2017
1853.200000	38.4	08:45:05 - 11.11.2017
1853.400000	38.4	08:36:20 - 11.11.2017
2131.600000	40.4	08:33:41 - 11.11.2017
2132.100000	40.4	08:39:09 - 11.11.2017

Diagram No.: 4.39_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch46+20dBm
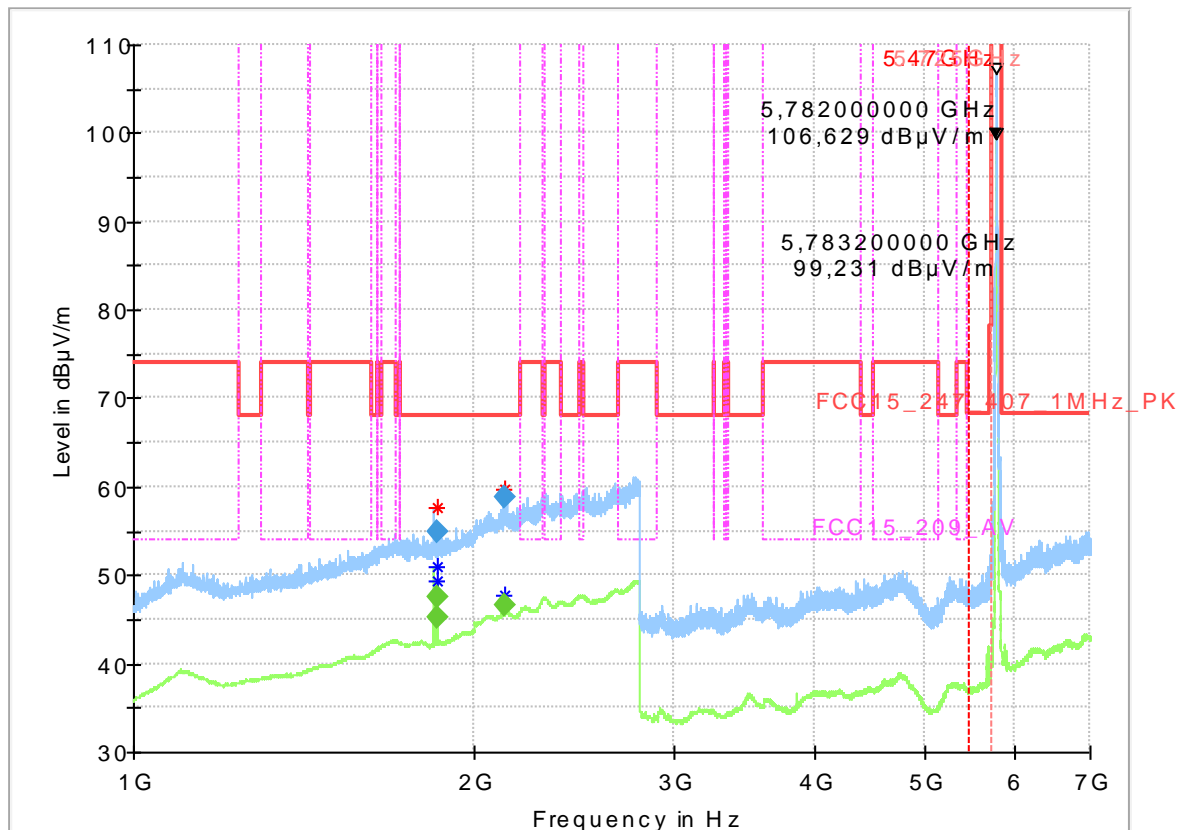
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1853.200000	---	51.54	150.00	98.46	100.0	1000.000	155.0	V	26.0	90.0
1853.200000	57.84	---	68.00	10.16	100.0	1000.000	155.0	V	188.0	0.0
2131.400000	---	48.02	150.00	101.98	100.0	1000.000	155.0	H	55.0	90.0
2131.900000	58.48	---	68.00	9.52	100.0	1000.000	155.0	H	73.0	90.0
2454.400000	63.39	---	68.00	4.61	100.0	1000.000	155.0	H	10.0	90.0
2490.450000	---	48.08	54.00	5.92	100.0	1000.000	155.0	V	7.0	0.0

Diagram No.: 4.40_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch54+20dBm
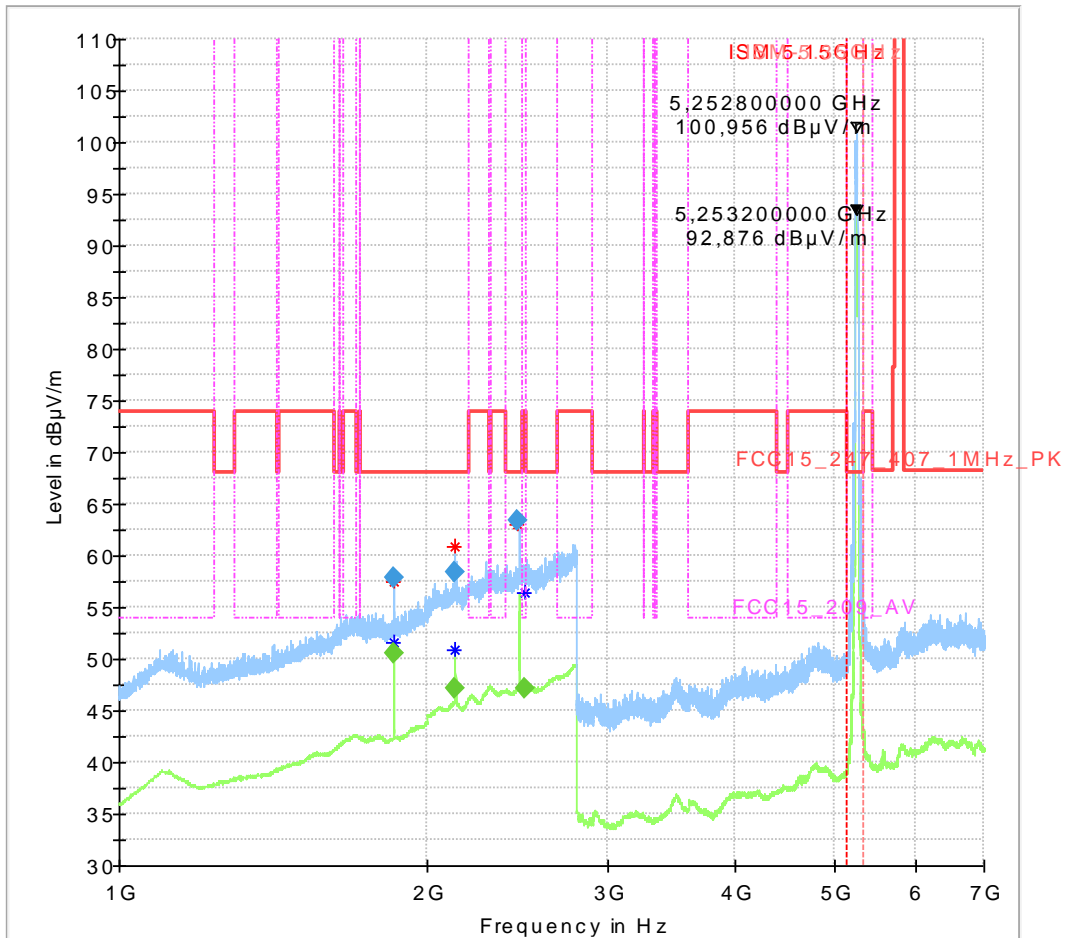
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	HEl

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1853.100000	---	44.90	150.00	105.10	100.0	1000.000	155.0	H	26.0	90.0
1853.200000	---	44.96	150.00	105.04	100.0	1000.000	155.0	V	116.0	90.0
1879.000000	53.45	---	68.00	14.55	100.0	1000.000	155.0	H	88.0	0.0
2131.600000	---	48.79	150.00	101.21	100.0	1000.000	155.0	H	0.0	90.0
2133.000000	59.80	---	68.00	8.20	100.0	1000.000	155.0	H	17.0	90.0

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

Frequency (MHz)	Corr. (dB)	Comment
1853.100000	38.4	13:13:27 - 11.11.2017
1853.200000	38.4	13:21:19 - 11.11.2017
1879.000000	38.3	13:04:18 - 11.11.2017
2131.600000	40.4	13:18:08 - 11.11.2017
2133.000000	40.4	13:08:51 - 11.11.2017

Diagram No.: 4.41_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch110+20dBm
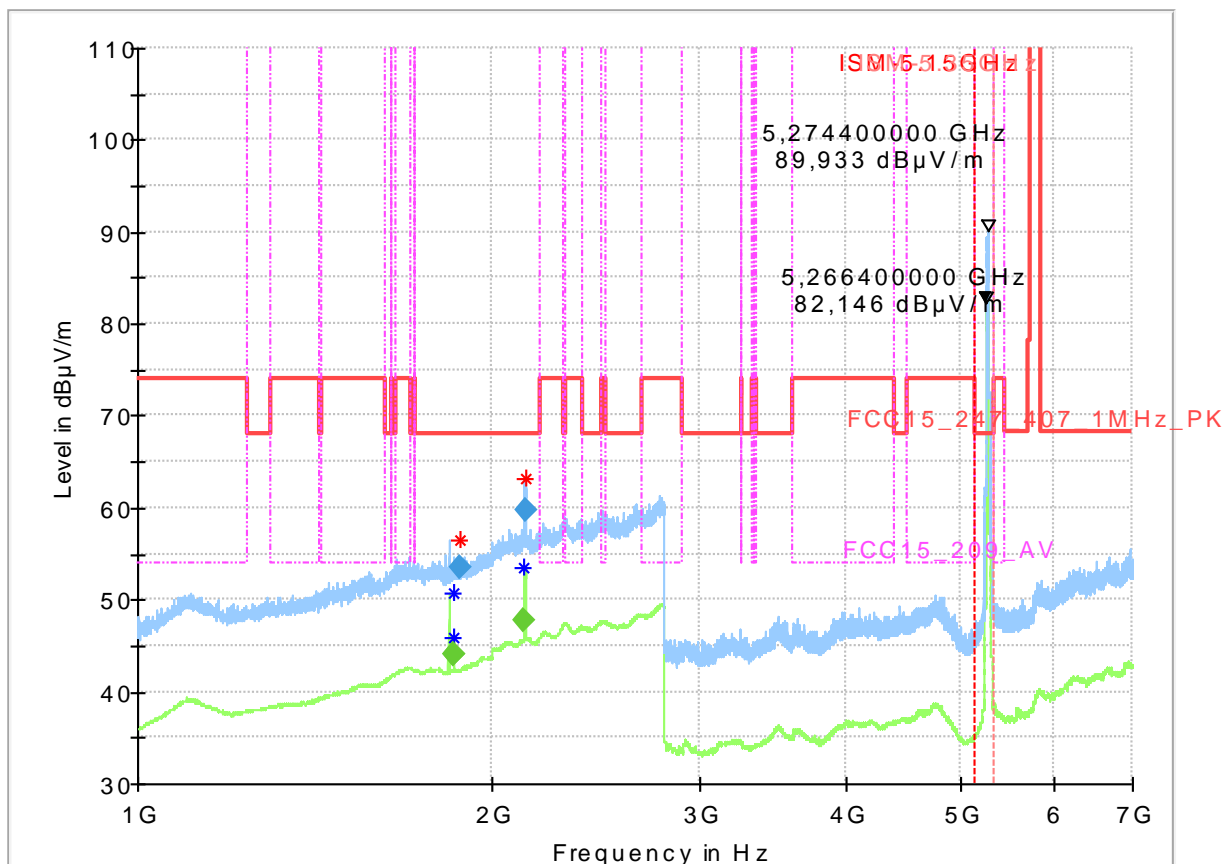
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	HEl
Comment:	Channel no. low/middle/high

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1838.200000	---	43.36	150.00	106.64	100.0	1000.000	155.0	V	90.0	0.0
1853.250000	55.40	---	68.00	12.60	100.0	1000.000	155.0	V	31.0	0.0
1887.600000	---	43.10	150.00	106.90	100.0	1000.000	155.0	V	260.0	0.0
2131.300000	---	48.22	150.00	101.78	100.0	1000.000	155.0	V	39.0	0.0
2131.650000	57.15	---	68.00	10.85	100.0	1000.000	155.0	V	25.0	0.0

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

Frequency (MHz)	Corr. (dB)	Comment
1838.200000	38.3	11:07:32 - 11.11.2017
1853.250000	38.4	10:55:22 - 11.11.2017
1887.600000	38.5	11:10:13 - 11.11.2017
2131.300000	40.4	10:57:45 - 11.11.2017
2131.650000	40.4	10:46:36 - 11.11.2017

Diagram No.: 4.42_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch159+20dBm
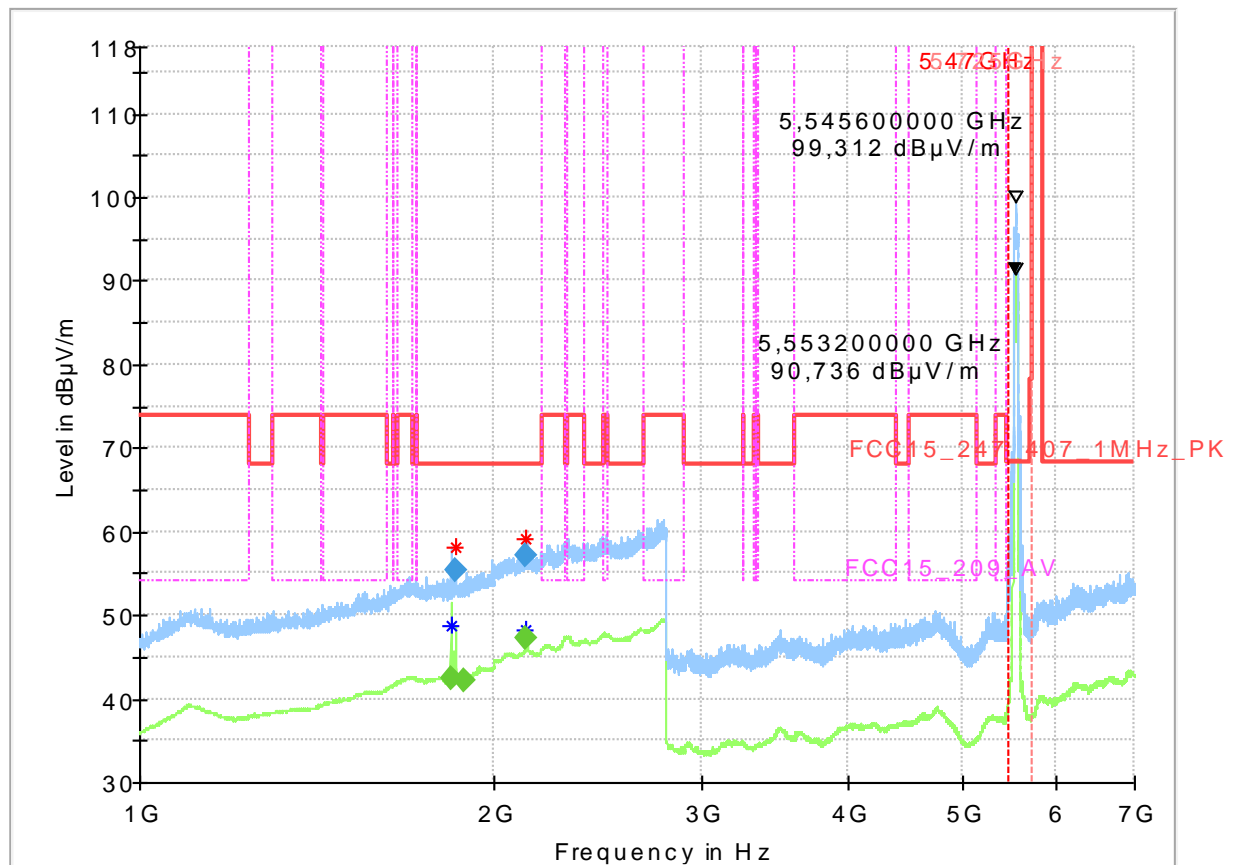
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	HEl

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
1853.200000	---	45.26	150.00	104.74	100.0	1000.000	155.0	V	243.0	90.0
1853.250000	---	45.85	150.00	104.15	100.0	1000.000	155.0	H	159.0	0.0
1853.250000	53.81	---	68.00	14.19	100.0	1000.000	155.0	H	143.0	0.0
2131.600000	---	49.44	150.00	100.56	100.0	1000.000	155.0	V	201.0	0.0
2131.600000	61.21	---	68.00	6.79	100.0	1000.000	155.0	V	160.0	0.0
2382.600000	---	47.48	54.00	6.52	100.0	1000.000	155.0	H	90.0	0.0

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

Frequency (MHz)	Corr. (dB)
1853.200000	38.4
1853.250000	38.4
1853.250000	38.4
2131.600000	40.4
2131.600000	40.4
2382.600000	41.6

2.4. Radiated Field Strength Emissions – 7 GHz to 18 GHz
Diagram No.: 4.31a_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch48+20dBm
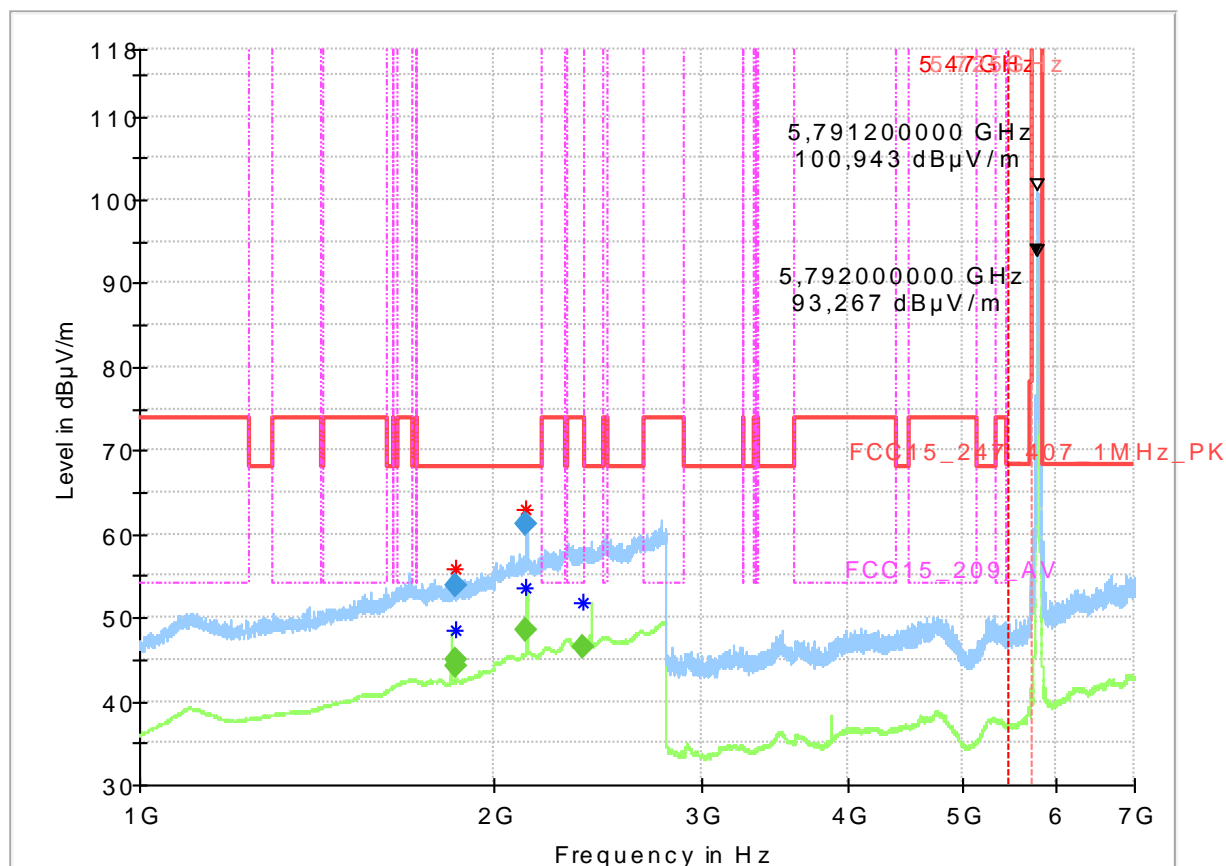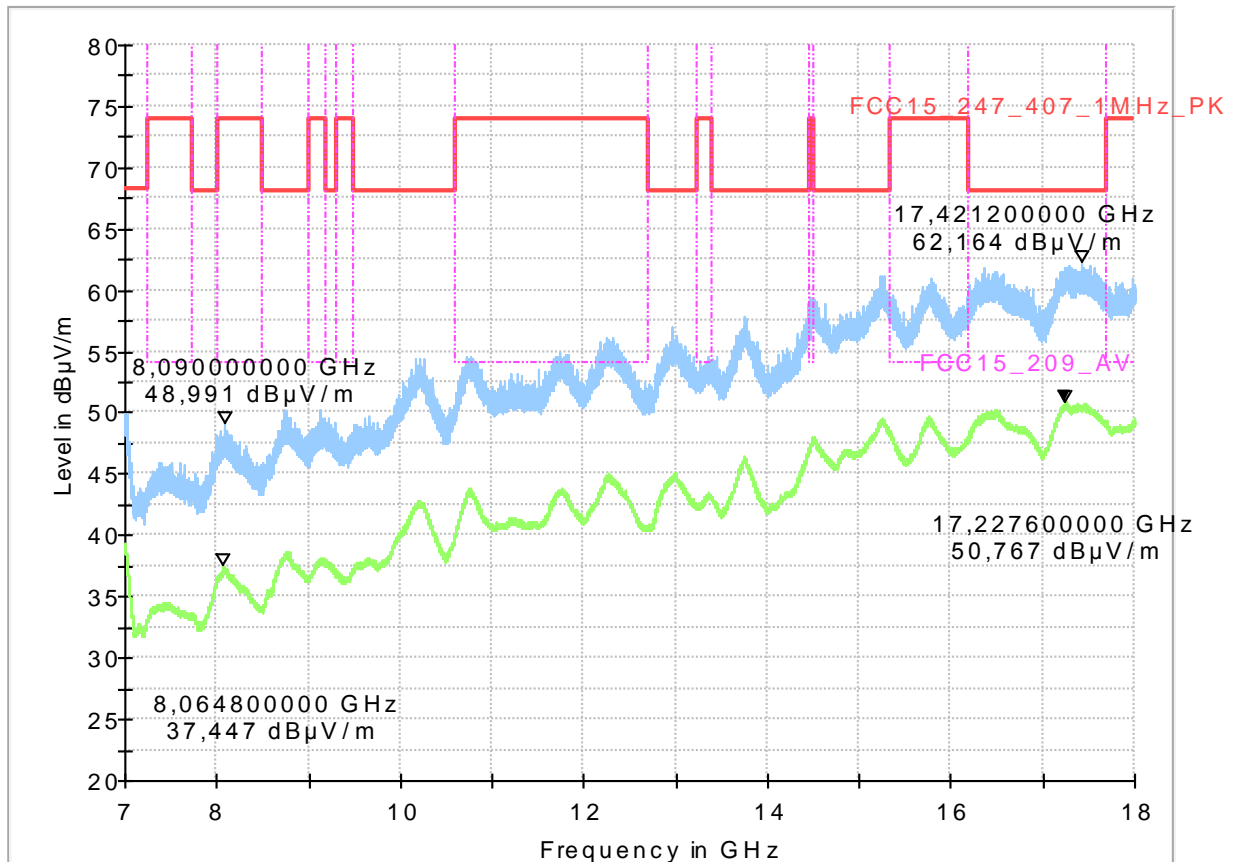
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	HEl

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

Diagram No.: 4.32a_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch56+20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
Operator Name:	HEl

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

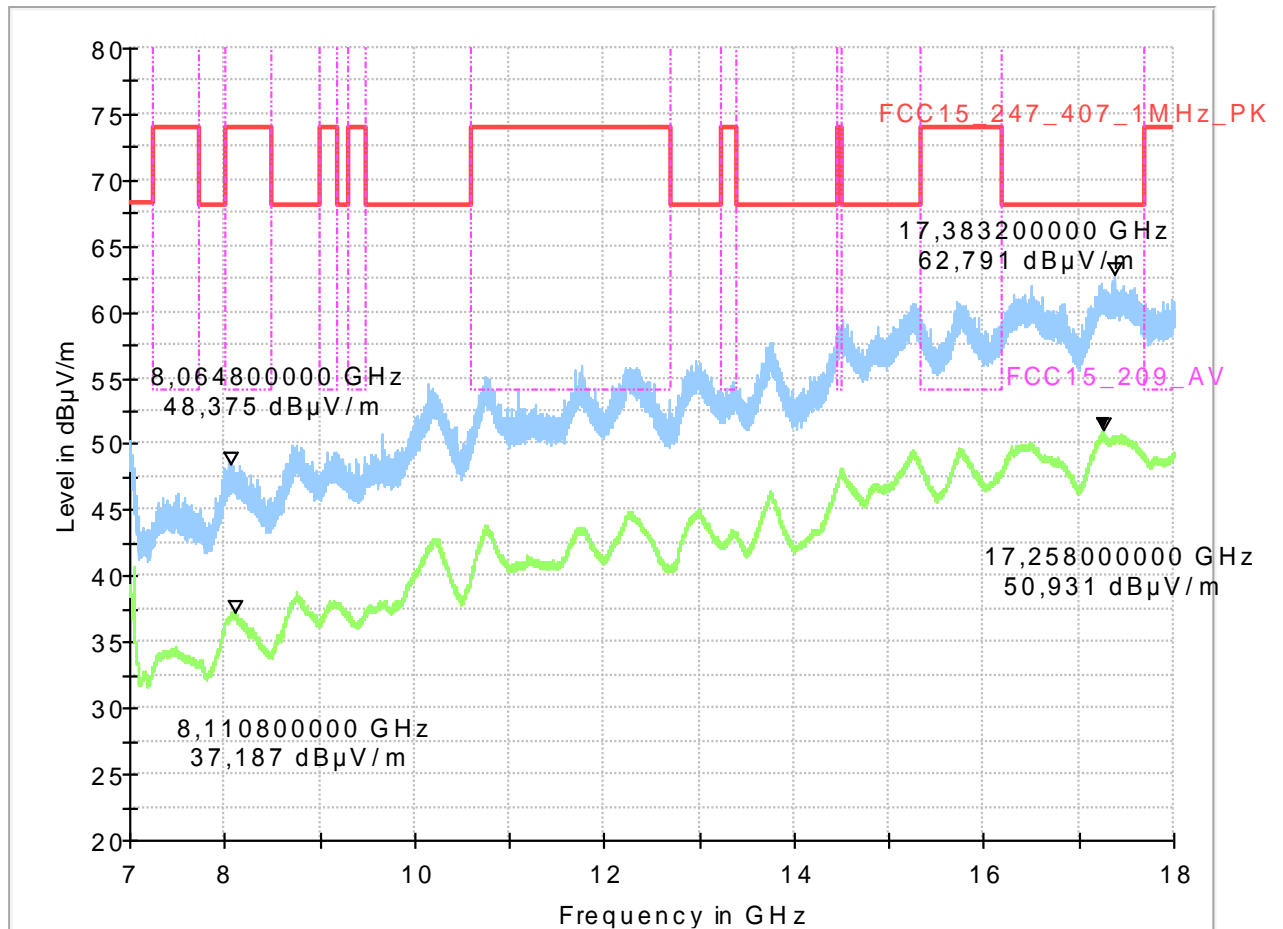**Diagram No.: 4.33a_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch116+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	HEl

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

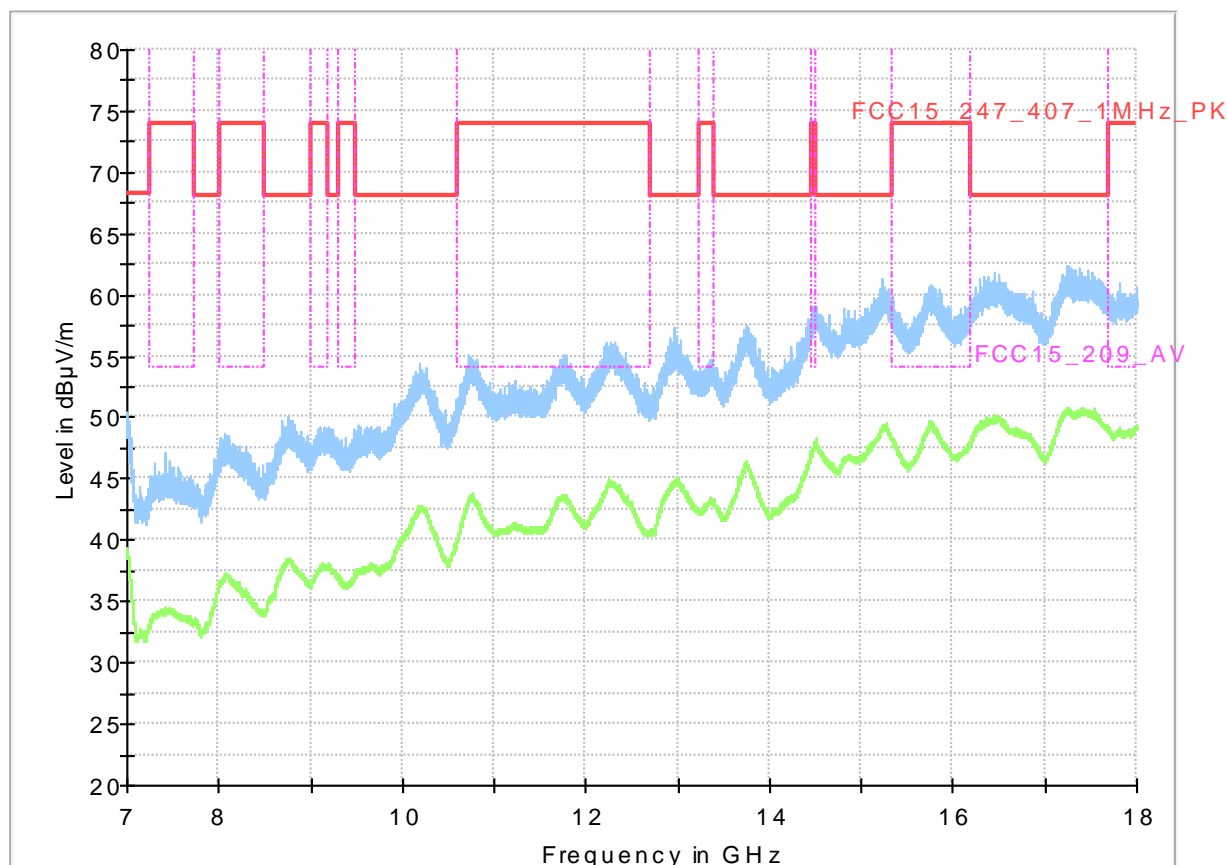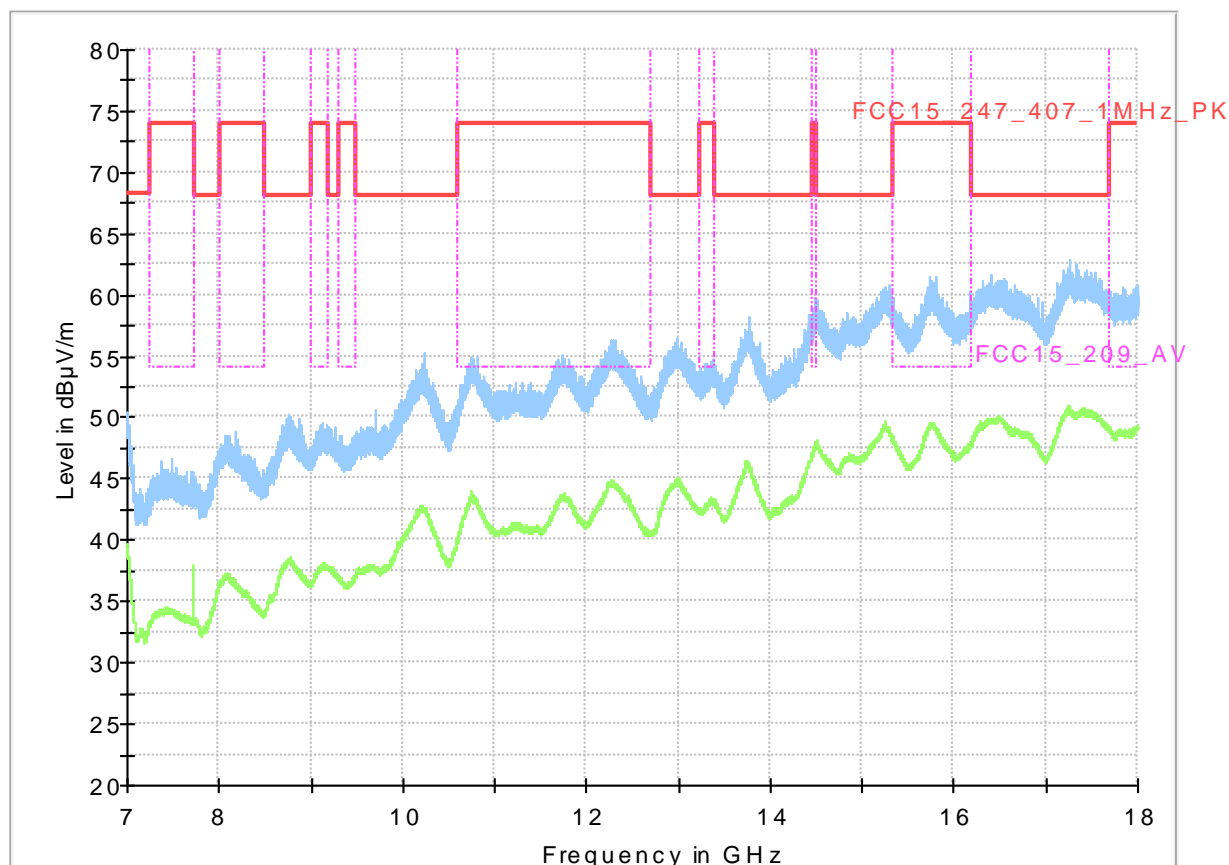**Diagram No.: 4.34a_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch157+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

Diagram No.: 4.35a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch48+20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS0- U-NII-1-Ch 48 (5240 MHz)- PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

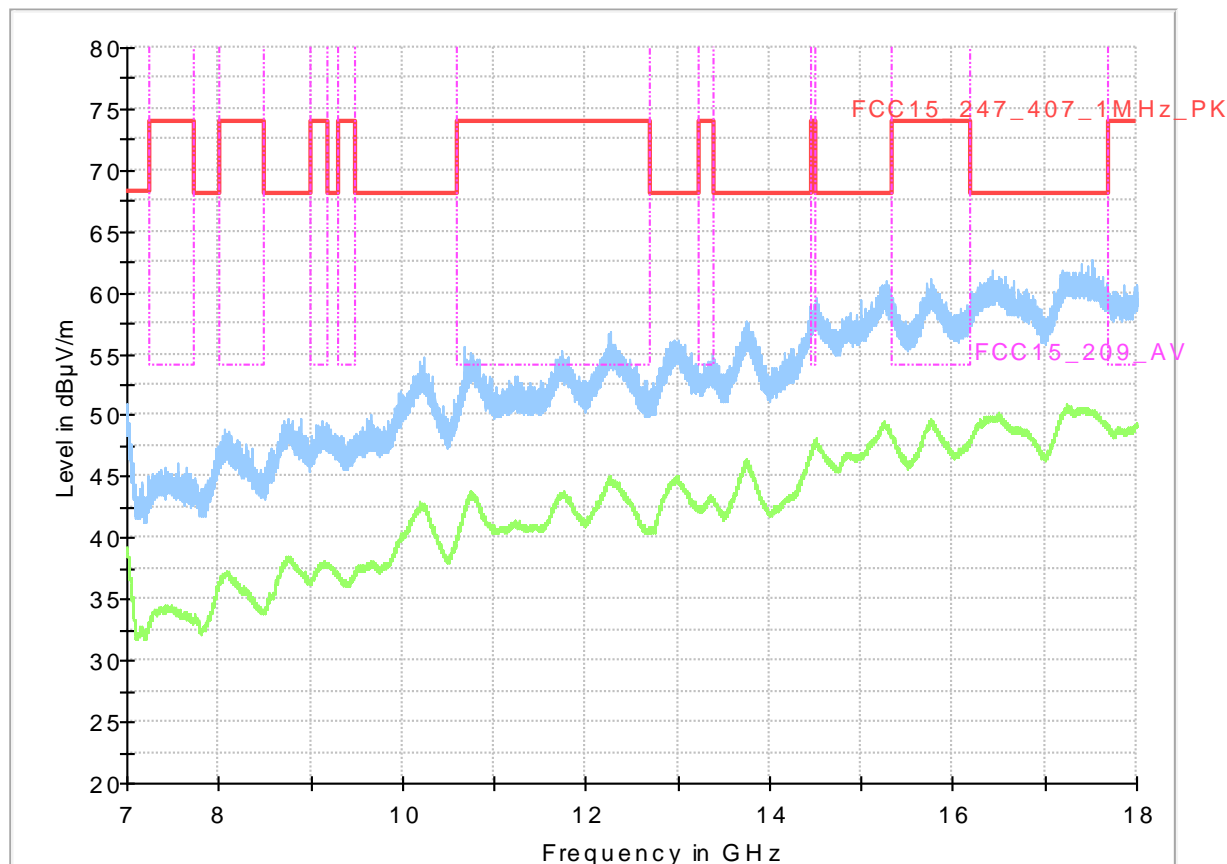**Diagram No.: 4.36a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch64+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

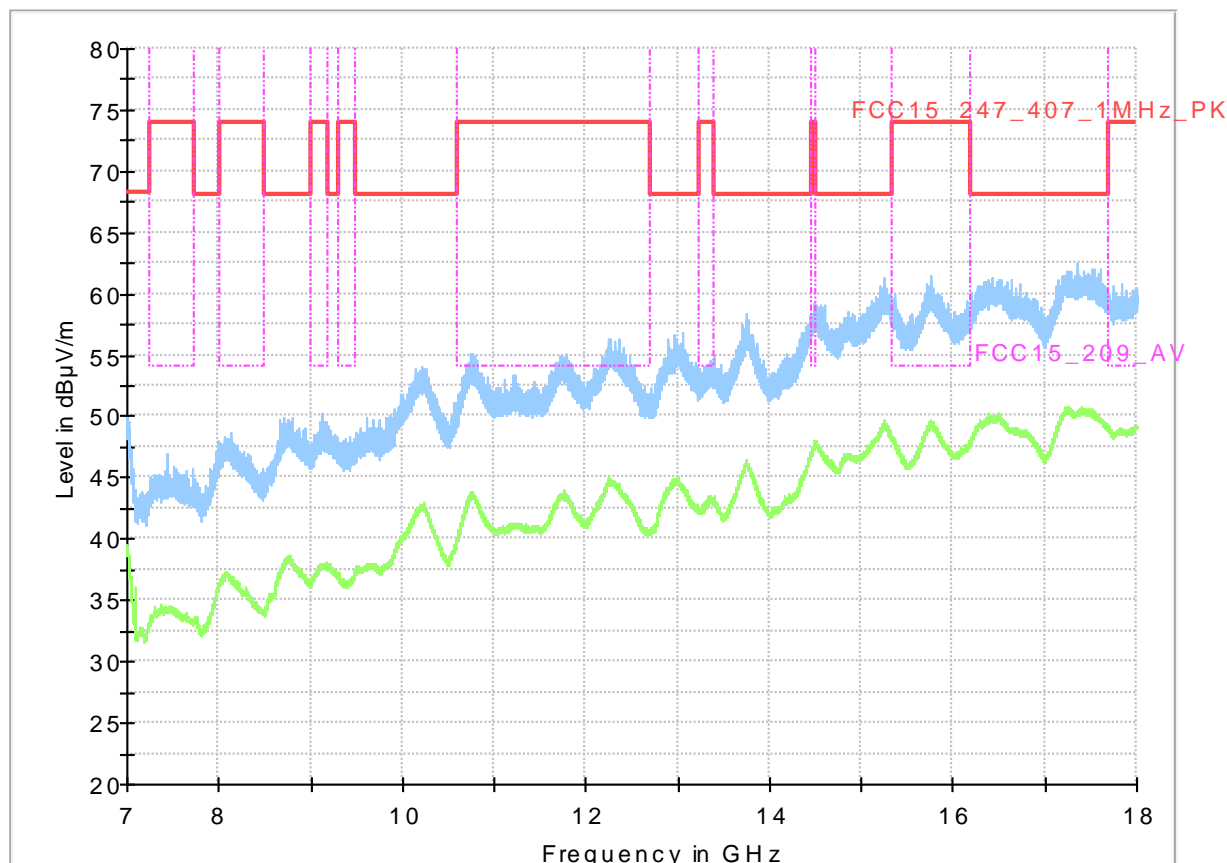**For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a**

Diagram No.: 4.37a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch116+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

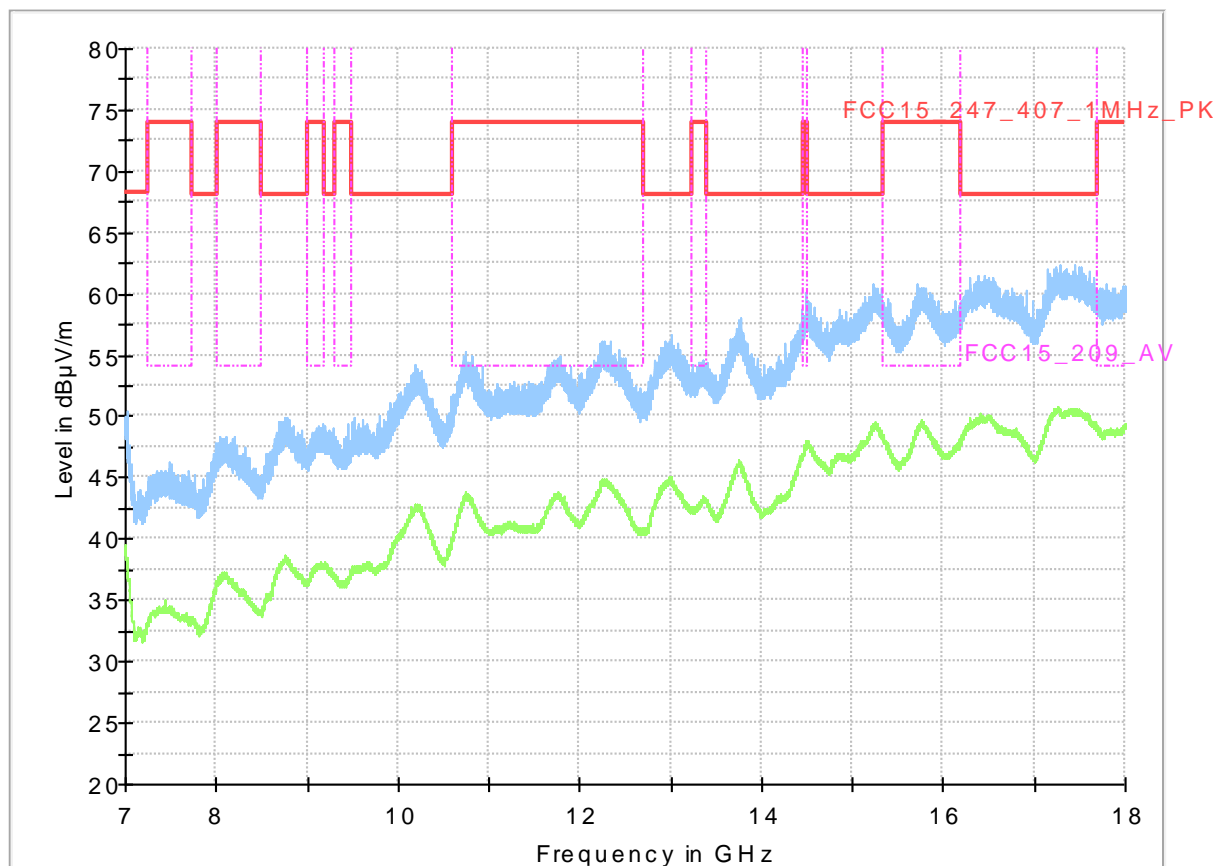**Diagram No.: 4.38a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch157+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

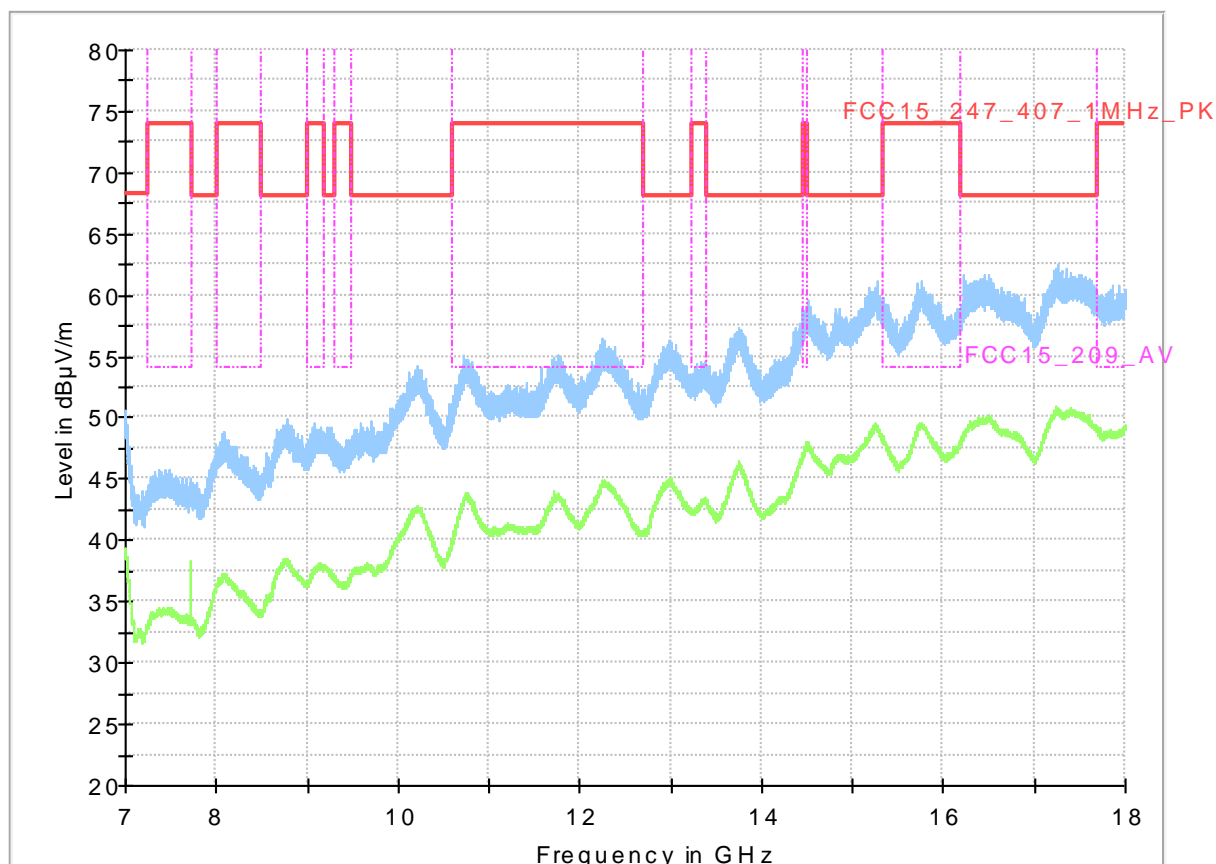**Diagram No.: 4.39a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch46+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-1-Ch 46 (5230 MHz)- PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

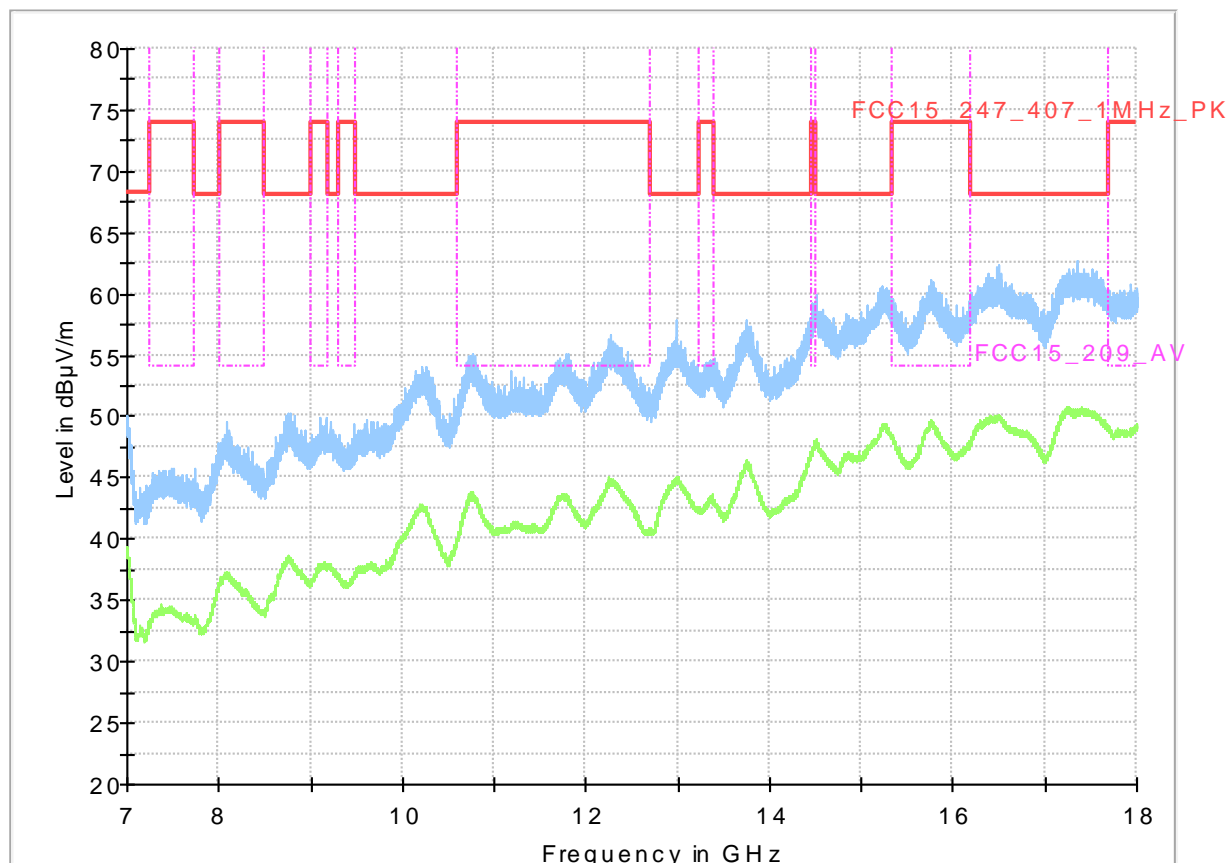**Diagram No.: 4.40a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch54+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

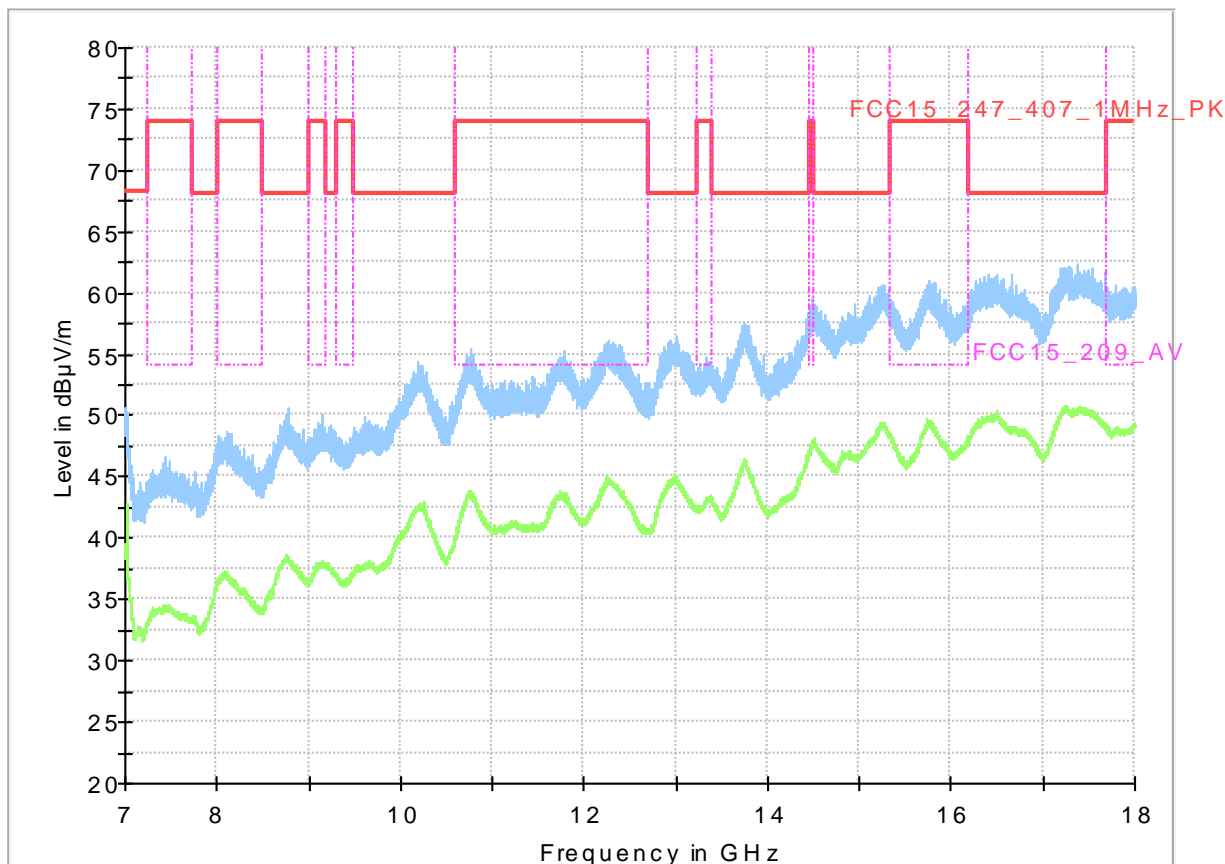## Diagram No.: 4.41a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch110+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2C-Ch 110 (5550 MHz)- PWR+20dBm
Operator Name:	RIs

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

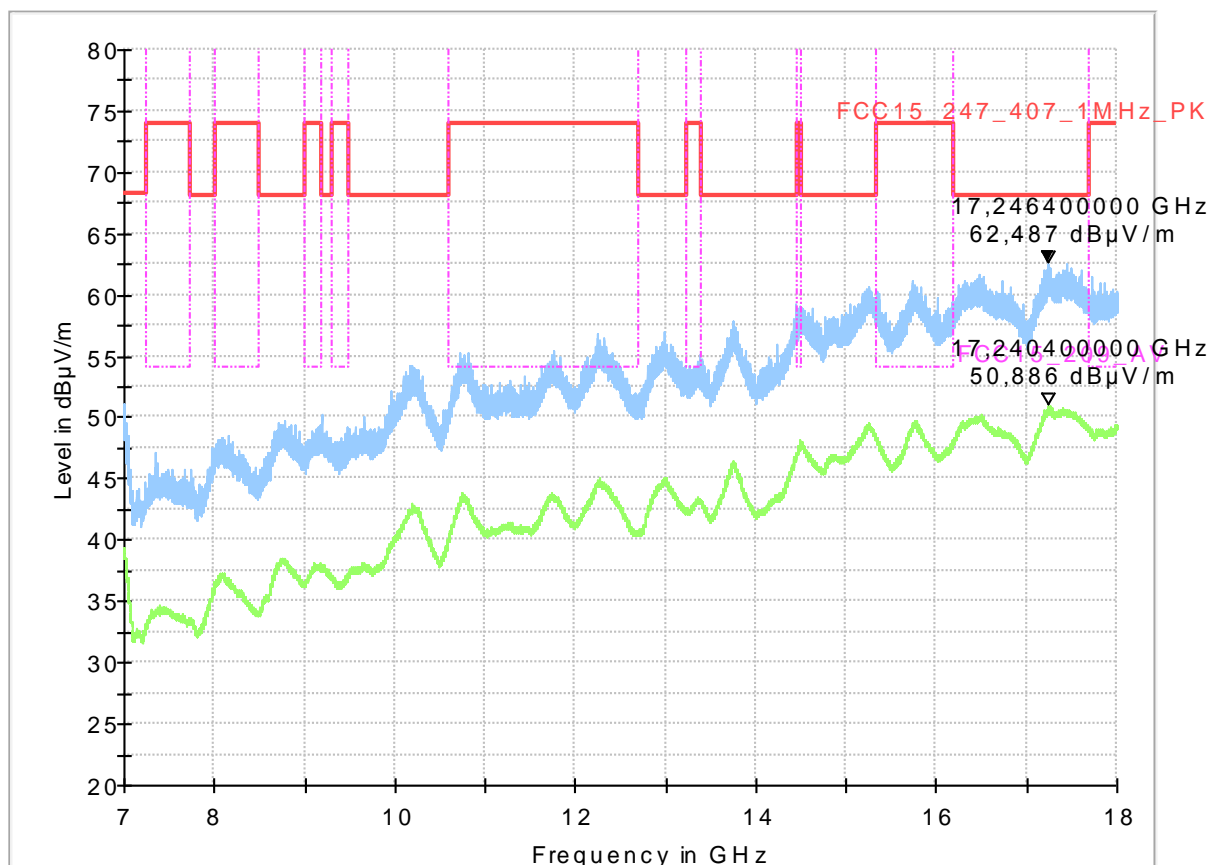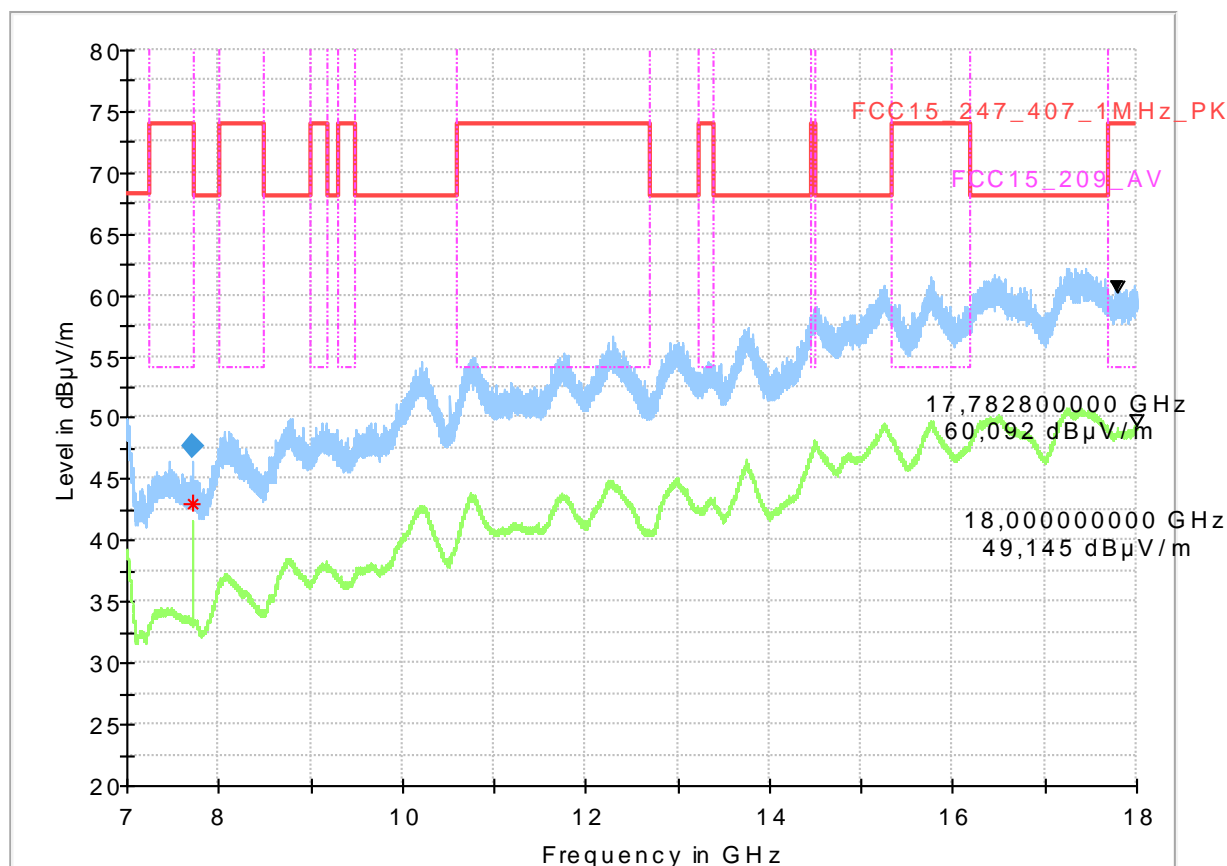**Diagram No.: 4.42a_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch159+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
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:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

FCC15_247_407_1MHz_PK

FCC15_209_AV

17,782800000 GHz
60,092 dBµV/m

18,000000000 GHz
49,145 dBµV/m

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

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

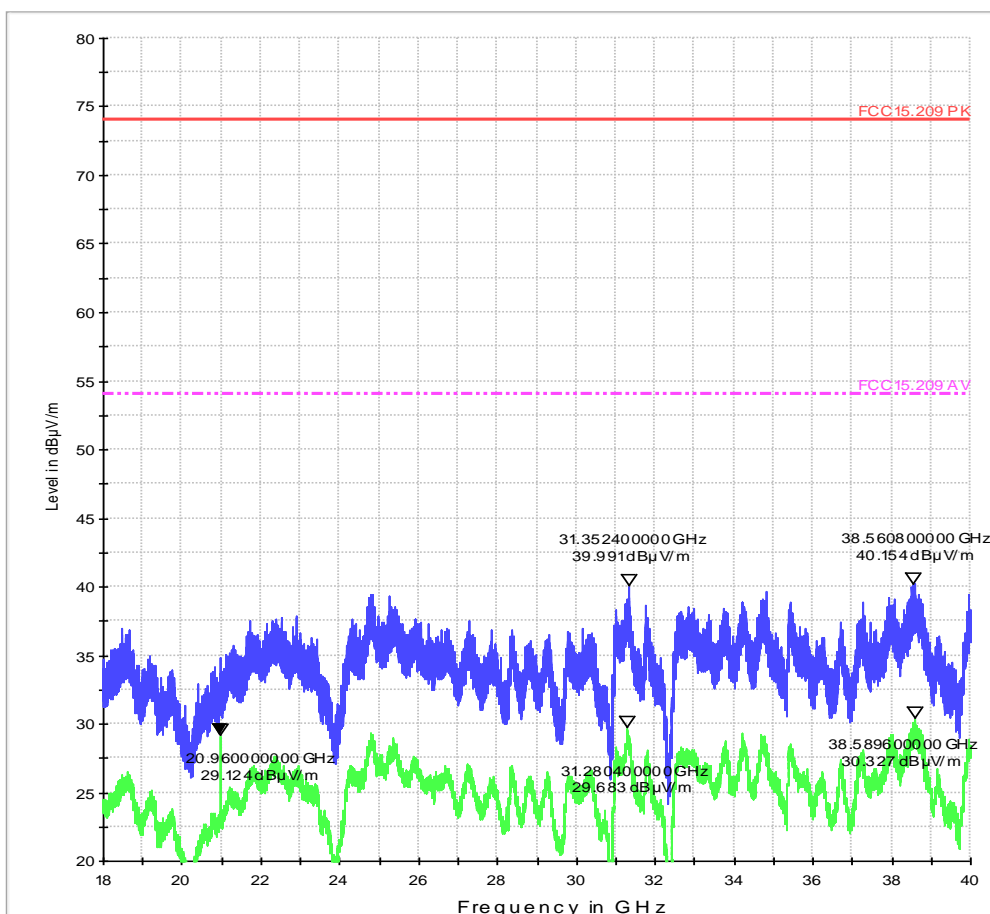### Diagram No.: 4.31b_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch48+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

Diagram No.: 4.32b_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch56+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2A-Ch 56 (5280 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

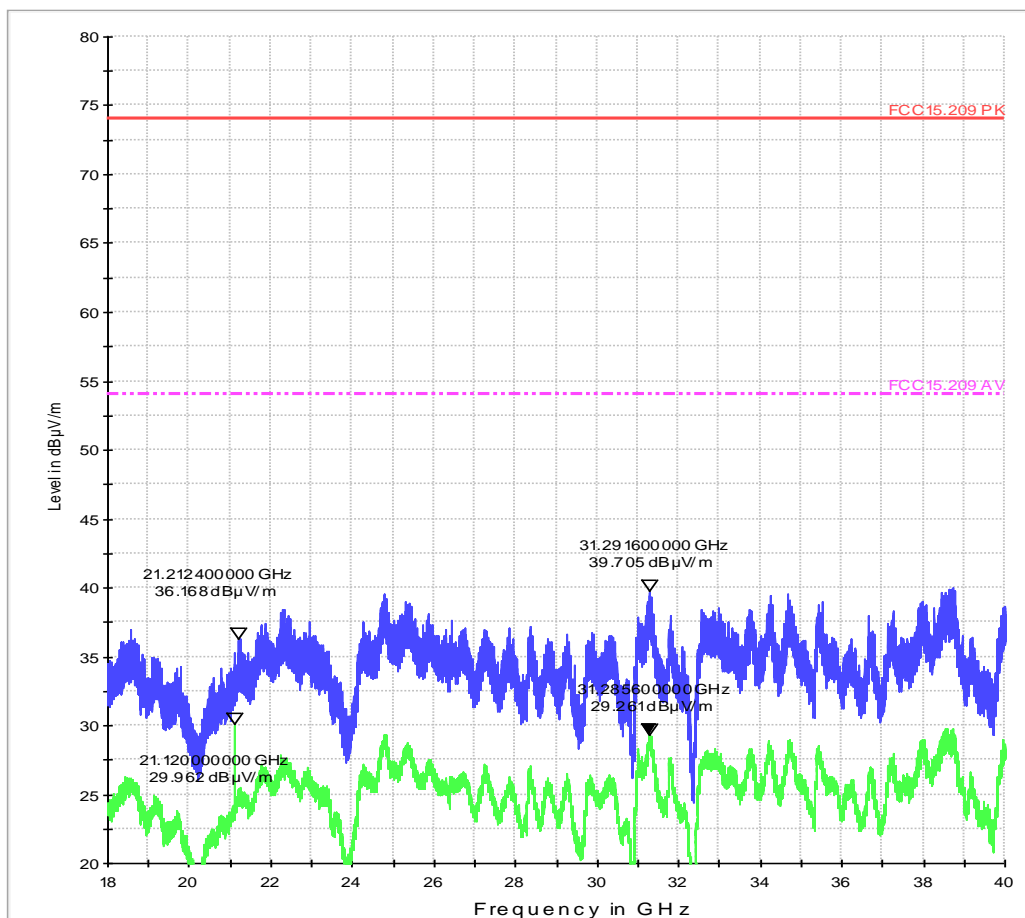**Diagram No.: 4.33b_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch116+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMIScan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

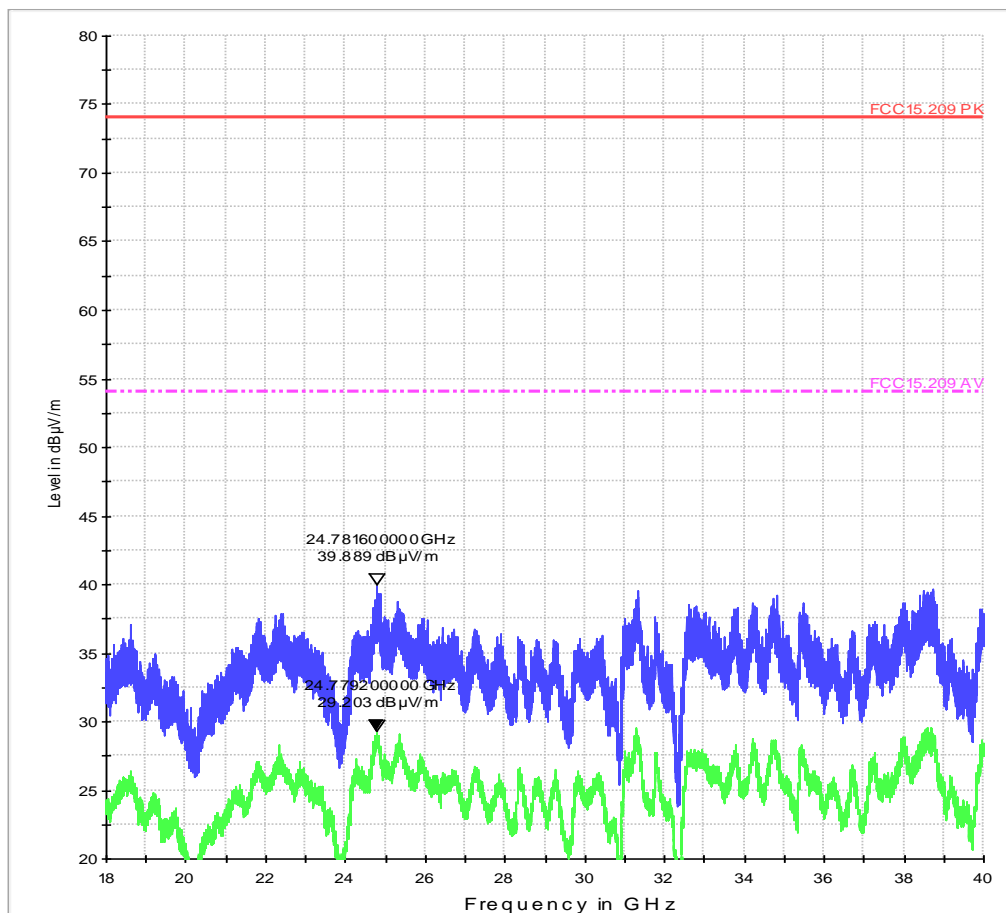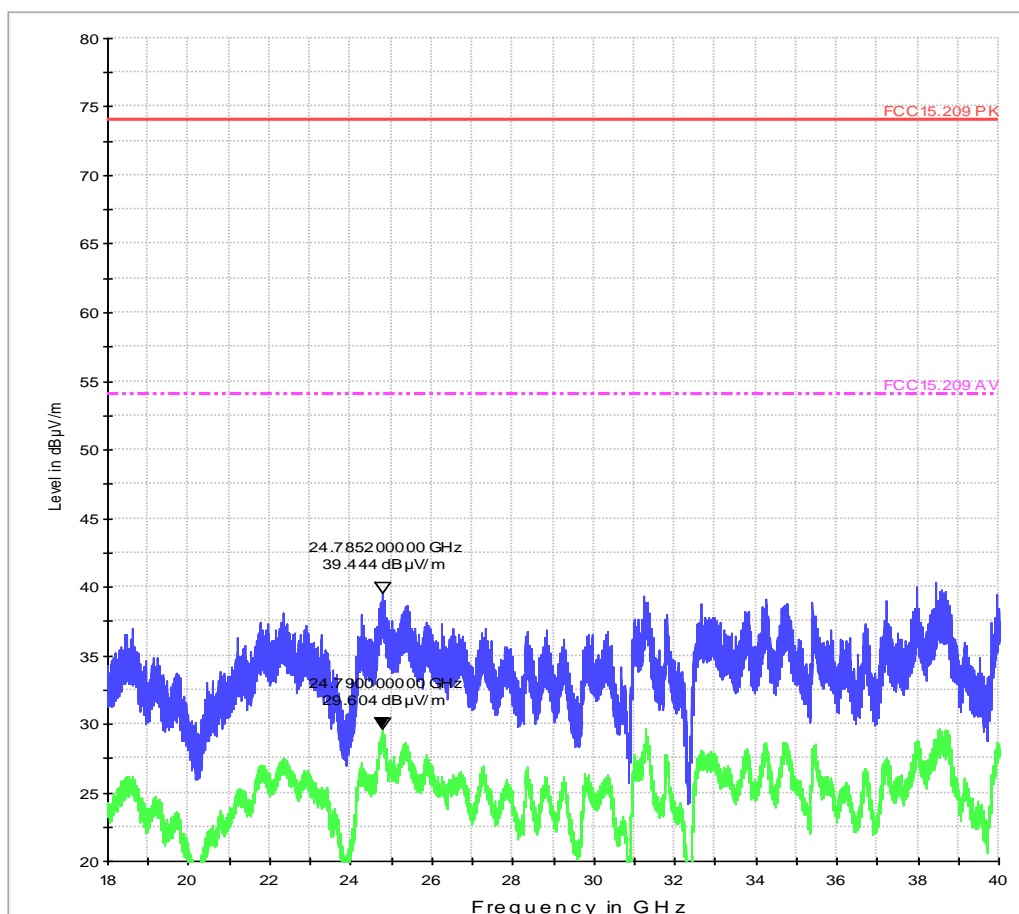## Diagram No.: 4.34b_FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6 Mbit-Ch157+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz-6 Mbit- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

Diagram No.: 4.35b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch48+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz-MCS0- U-NII-1-Ch 48 (5240 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

E M I S c a n _ 1 8 _ 4 0 G H z _ P r e

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

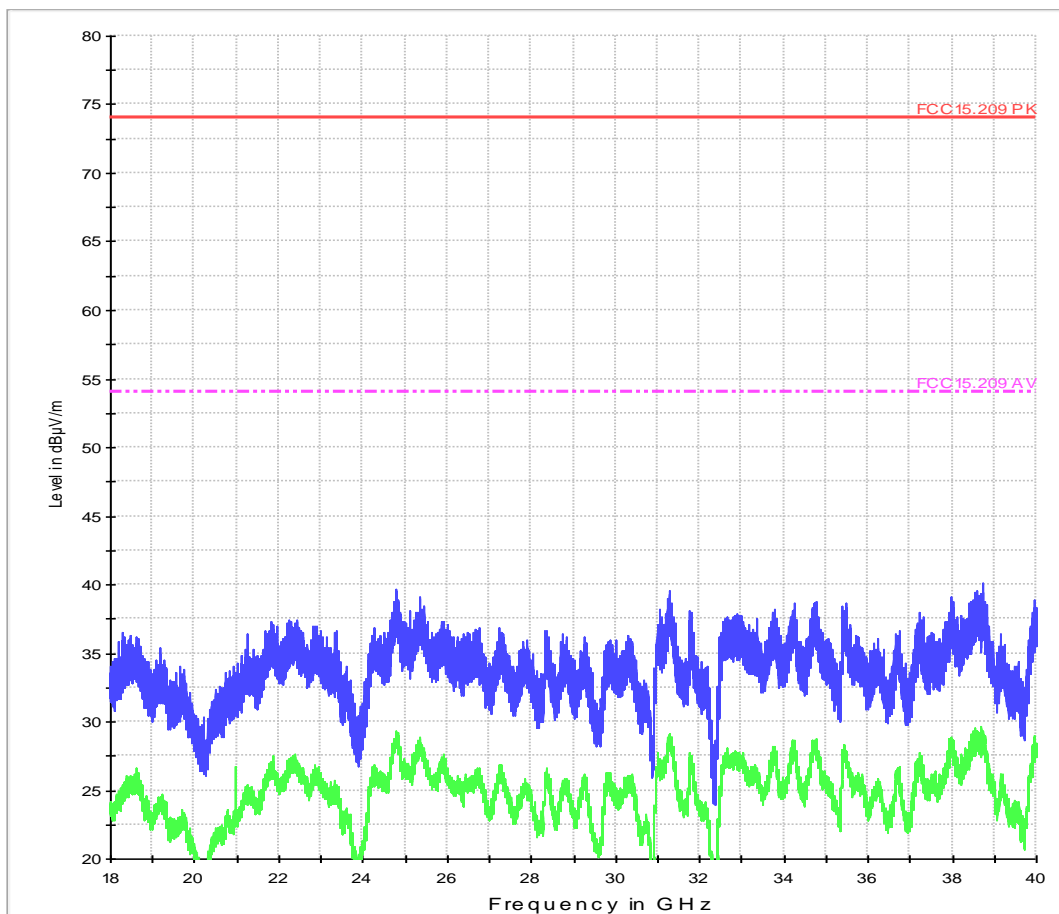**Diagram No.: 4.36b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch64+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a
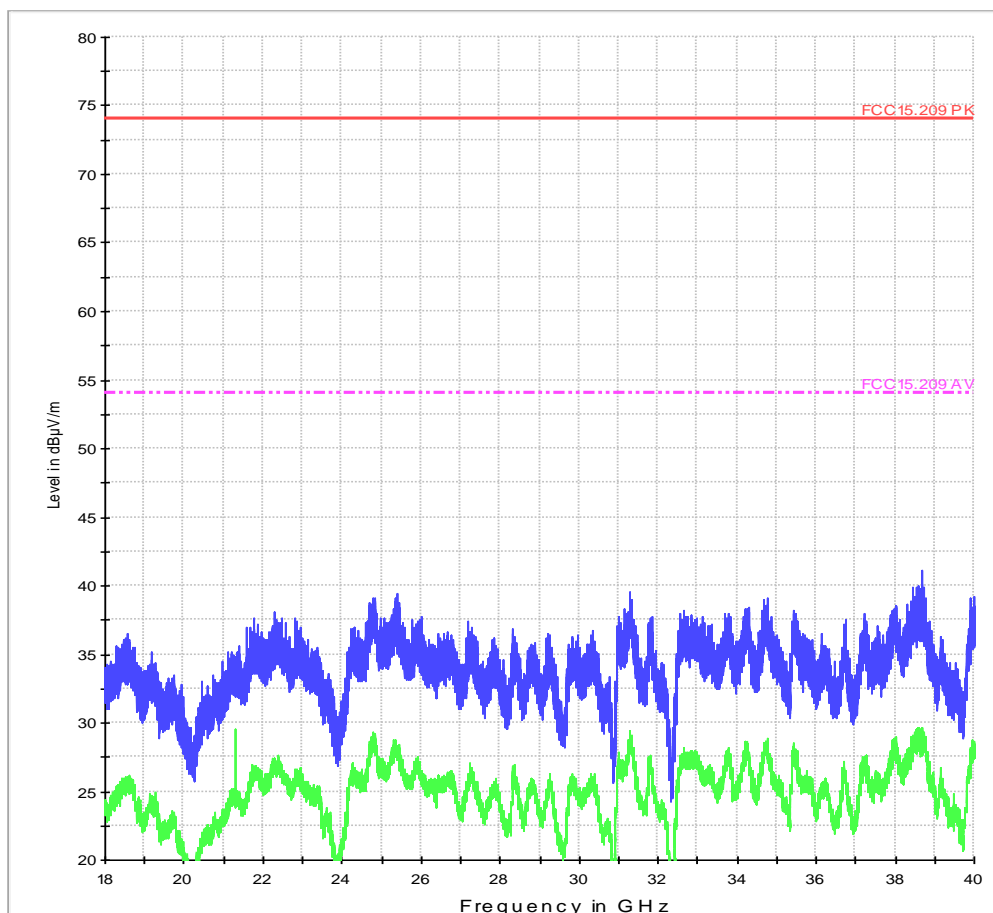
Diagram No.: 4.37b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch116+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-2C-Ch 116 (5580 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

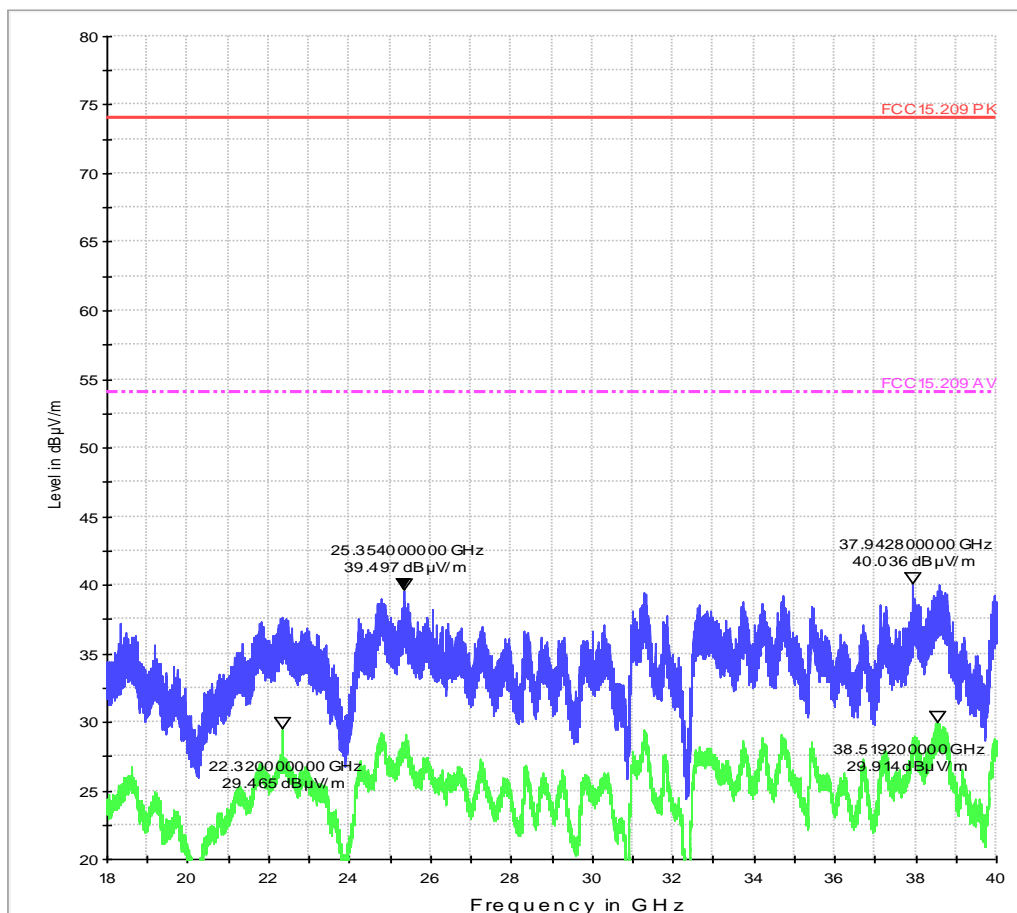**Diagram No.: 4.38b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz-MCS0-Ch157+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-3-Ch 157 (5785 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

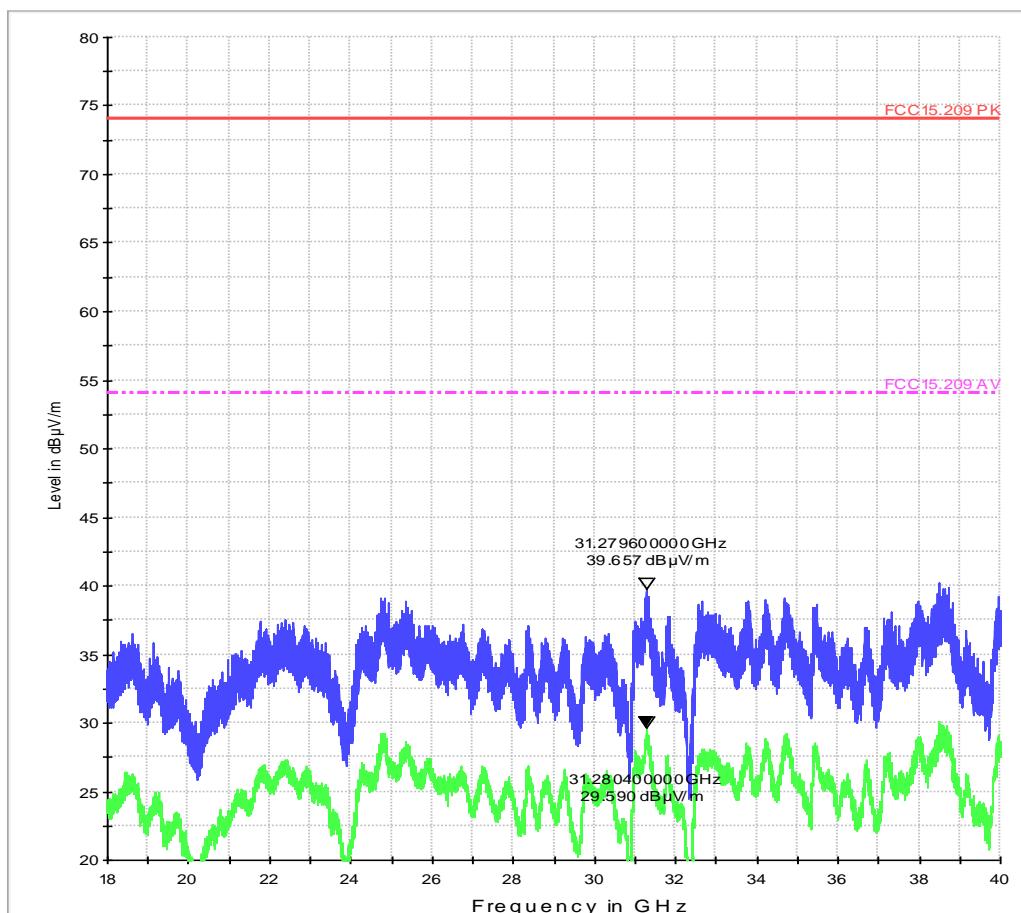## Diagram No.: 4.39b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch46+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-1-Ch 46 (5230 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

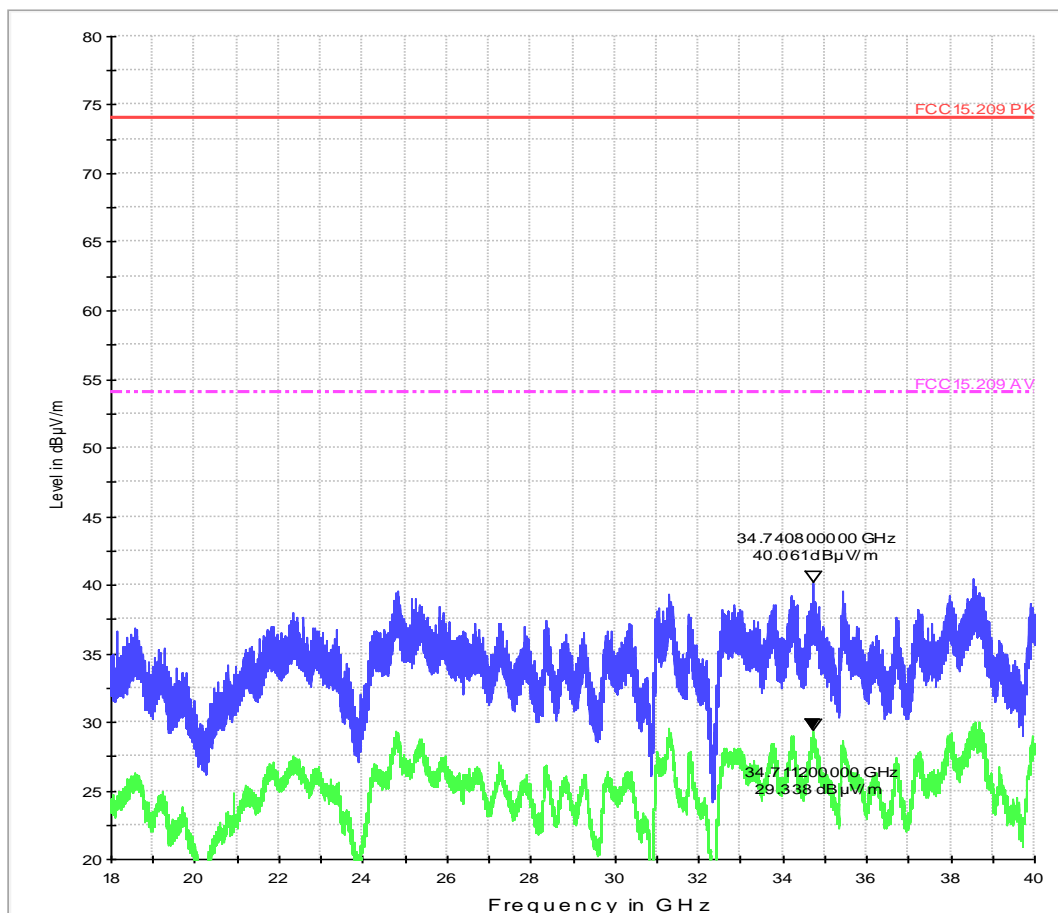**Diagram No.: 4.40b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch54+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2A-Ch 54 (5270 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMIScan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

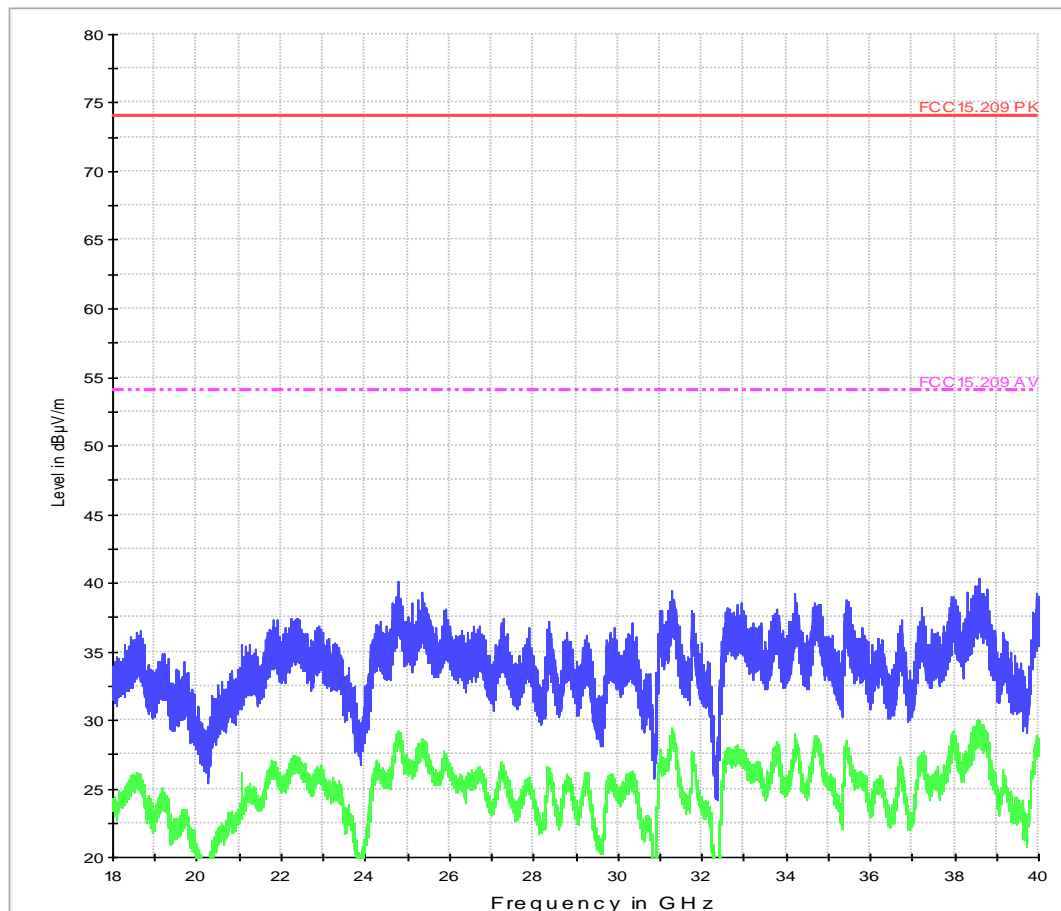## Diagram No.: 4.41b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz-MCS0-Ch110+20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-2C-Ch 110 (5550 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

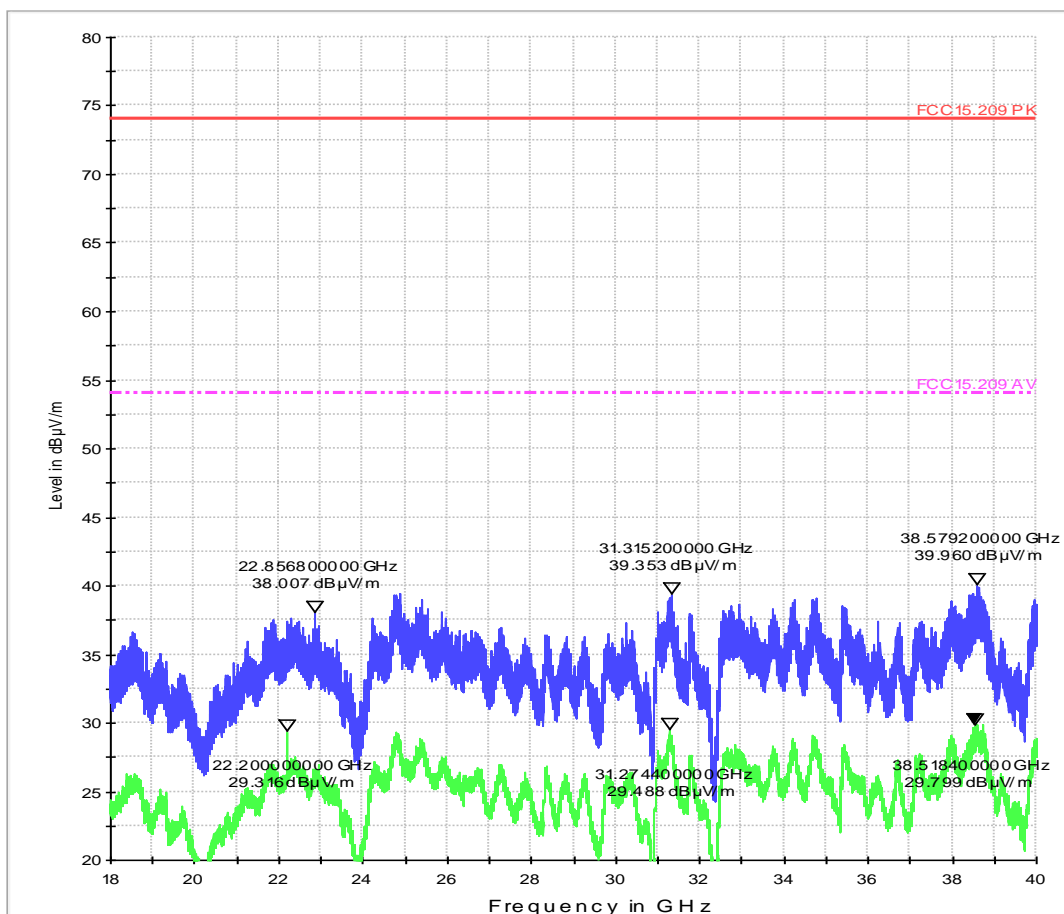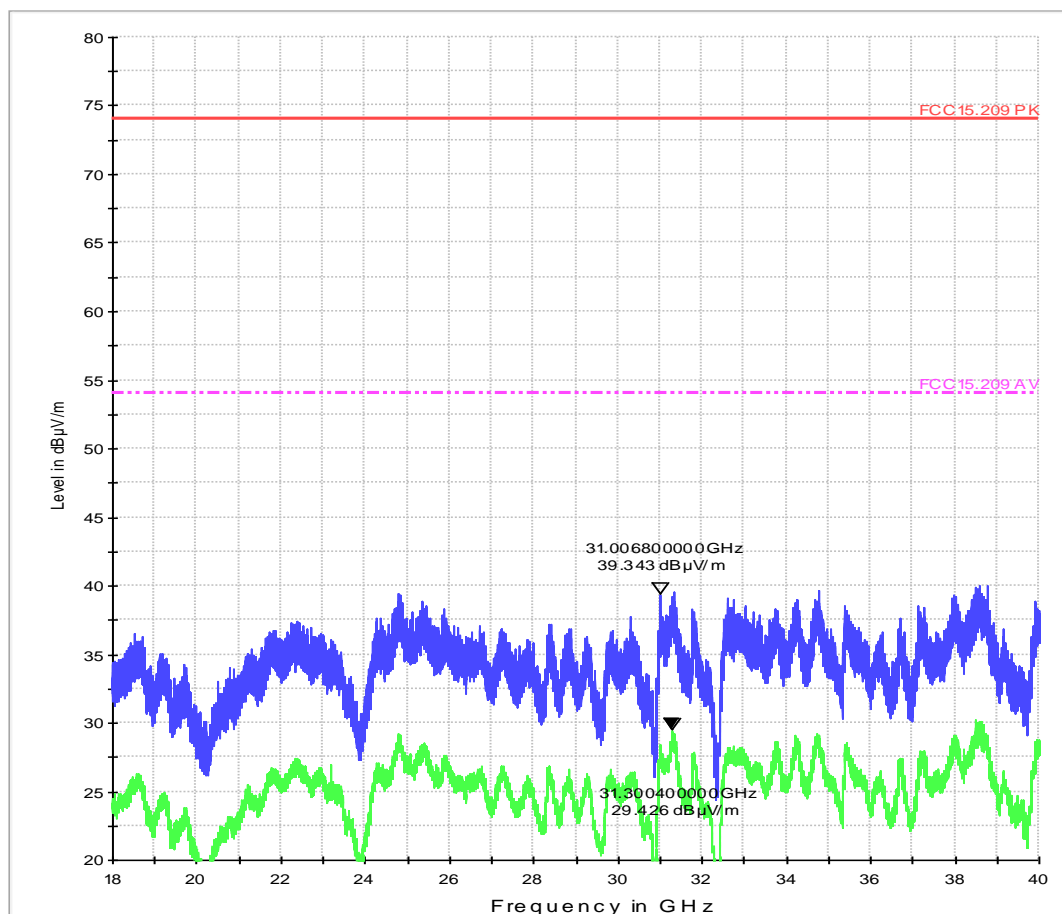**Diagram No.: 4.42b_FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch159+20dBm**

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-3-Ch 159 (5795 MHz)-PWR+20dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

EMI Scan_18_40GHz_Pre

For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T16a

3. Radiated Band-Edge Measurements

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

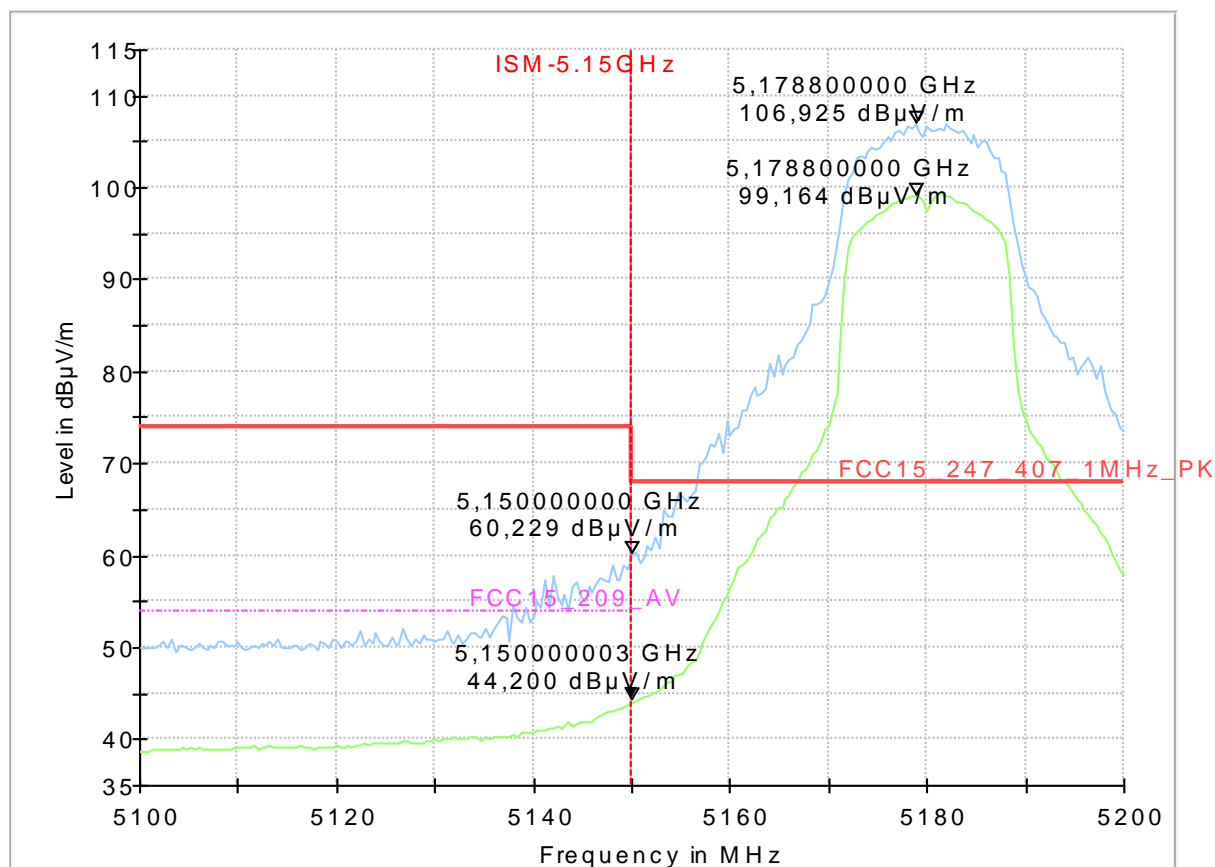**Diagram No.: 9.31_BE-Low-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz- 6Mbit-Ch36-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz- 6 Mbit - U-NII-1-Ch 36 (5180 MHz)-PWR+20dBm
Operator Name:	MBe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

3.2. a Mode- B.W. 20 MHz -Channel 48 (5240 MHz) (U-NII-1: right band edge)
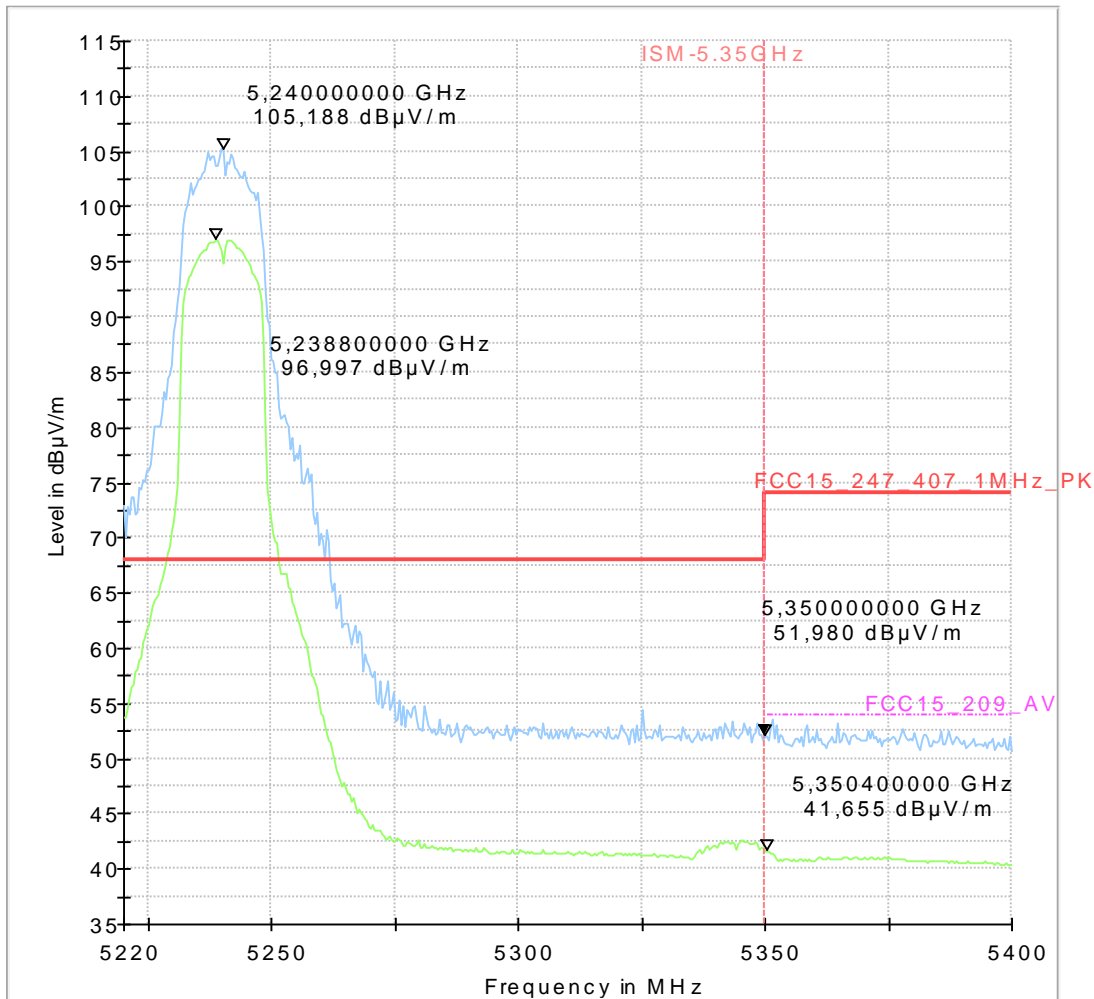**Diagram No.: 9.49_BE-High-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz- 6Mbit-Ch48-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

3.3. n Mode- B.W. 20 MHz -Channel 52 (5260 MHz) (U-NII-2A: left band edge)
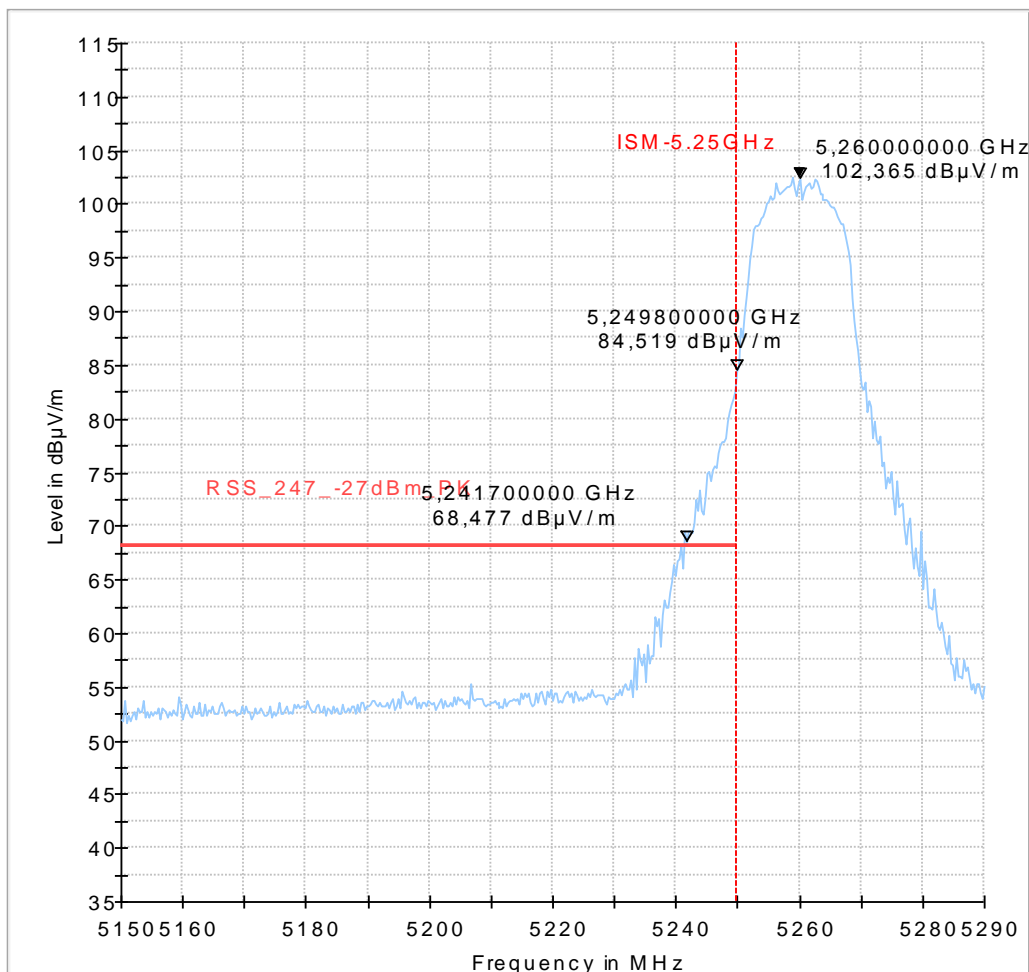### Diagram No.: 9.50_BE-LOW-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz- 6Mbit-Ch52- +20dBm-step1

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)

Full Spectrum

[Measured using RBW: 1 MHz Marker Delta Method]

3.4. a Mode- B.W. 20 MHz -Channel 64 (5320 MHz) (U-NII-2A: right band edge)
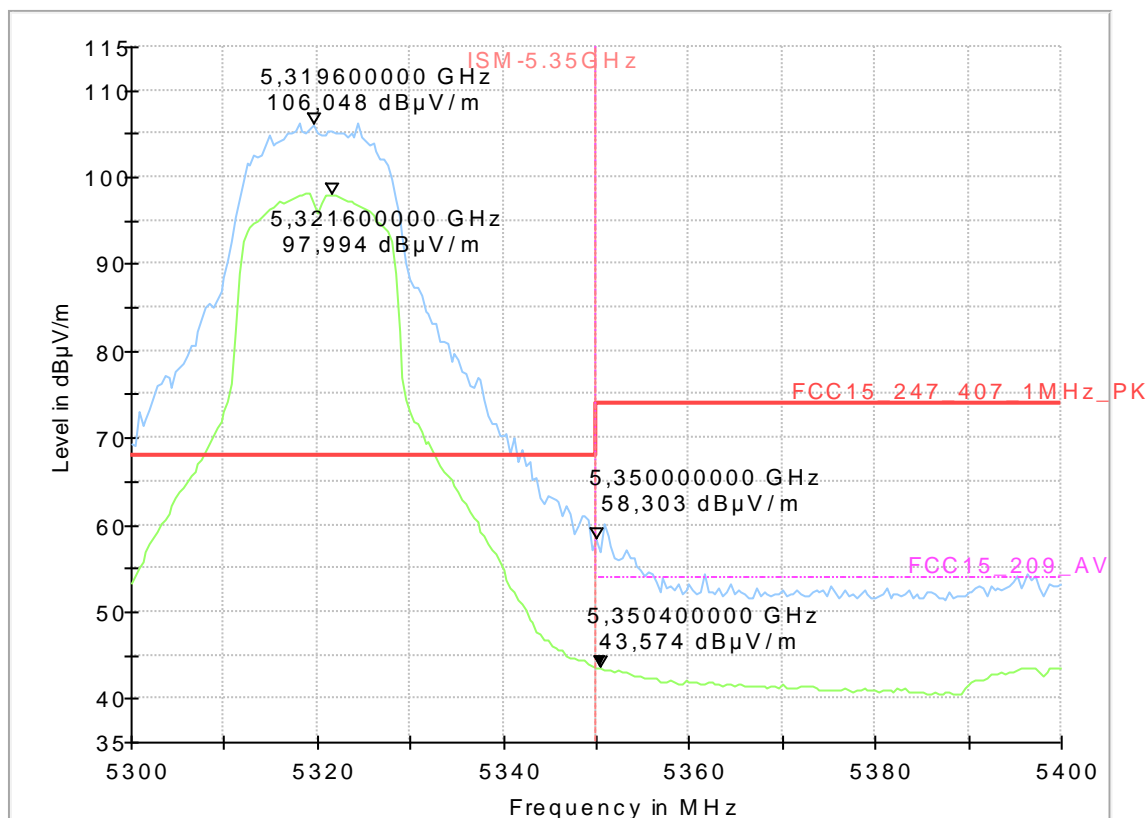### Diagram No.: 9.32_BE-High-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz- 6Mbit -Ch64- +20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz- 6Mbit - U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Operator Name:	MBe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

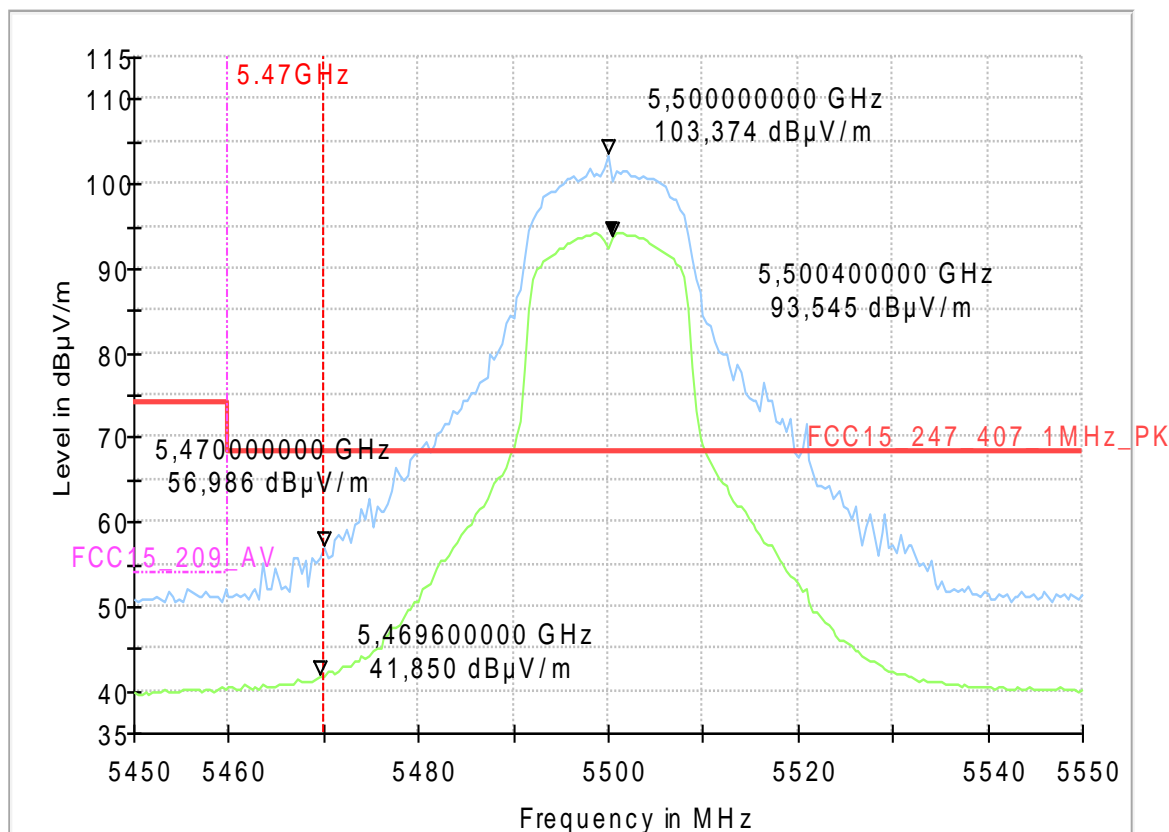**Diagram No.: 9.33_BE-Low-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz-6Mbit-Ch100-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. low/middle/high

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

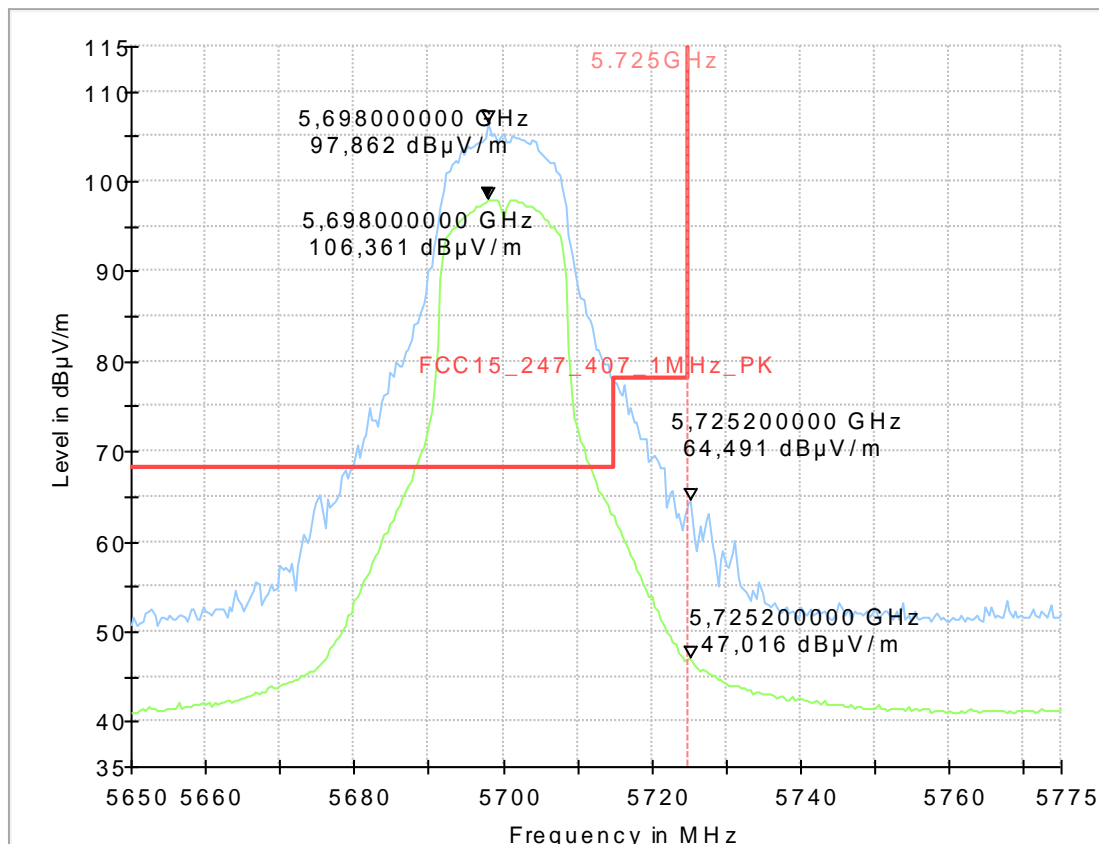**Diagram No.: 9.34_BE-High-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz- 6Mbit -Ch140-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-a Mode-SISO-B.W. 20 MHz- 6Mbit-U-NII-2C-Ch 140 (5700 MHz)-PWR+20dBm
Operator Name:	MBe

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

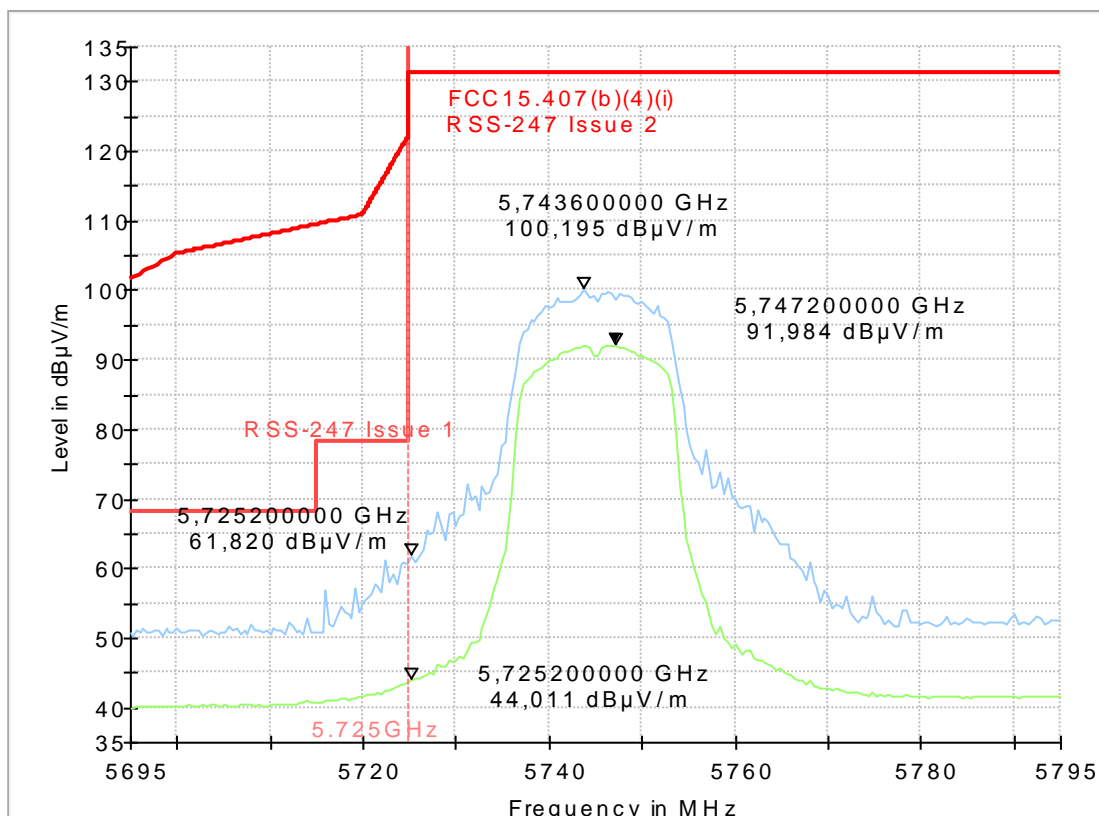**Diagram No.: 9.35_BE-Low-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz 6Mbit -Ch149- +20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

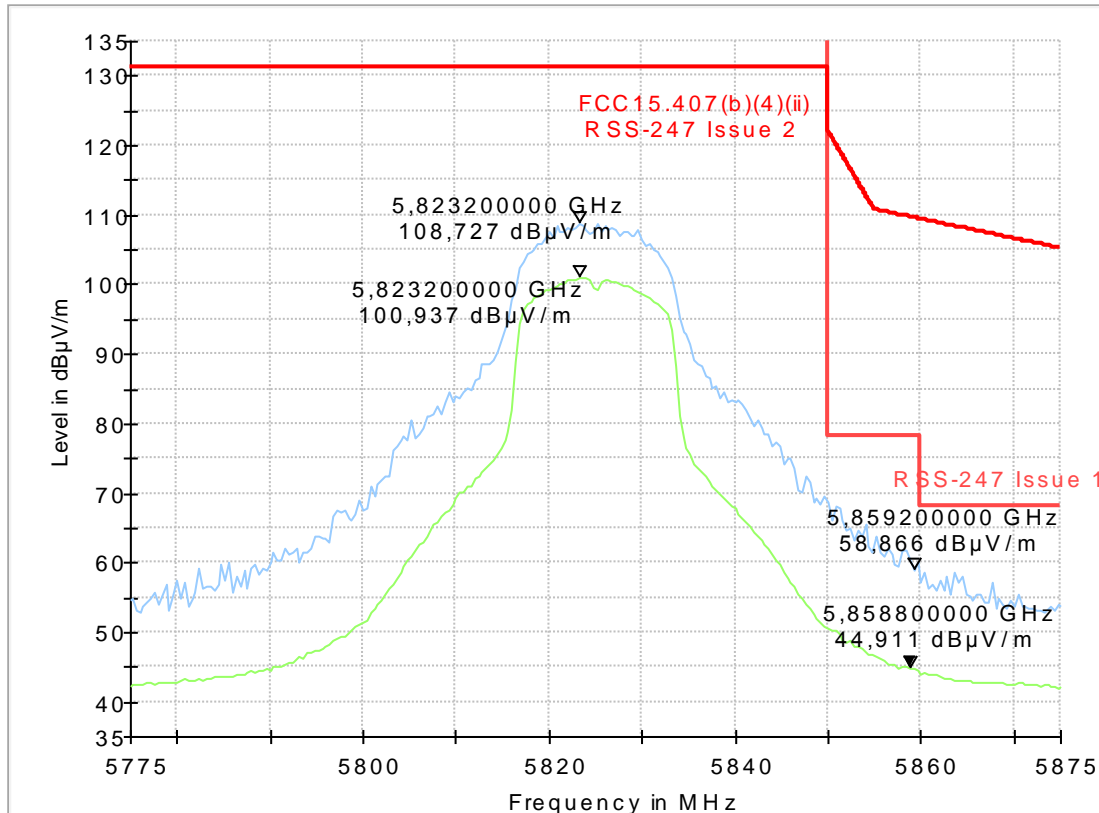**Diagram No.: 9.36_BE-High-FALCON X4-WLAN5 GHz-TX-aMode-SISO-20MHz- 6Mbit -Ch165-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	MBe
Comment:	Channel no. 165

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

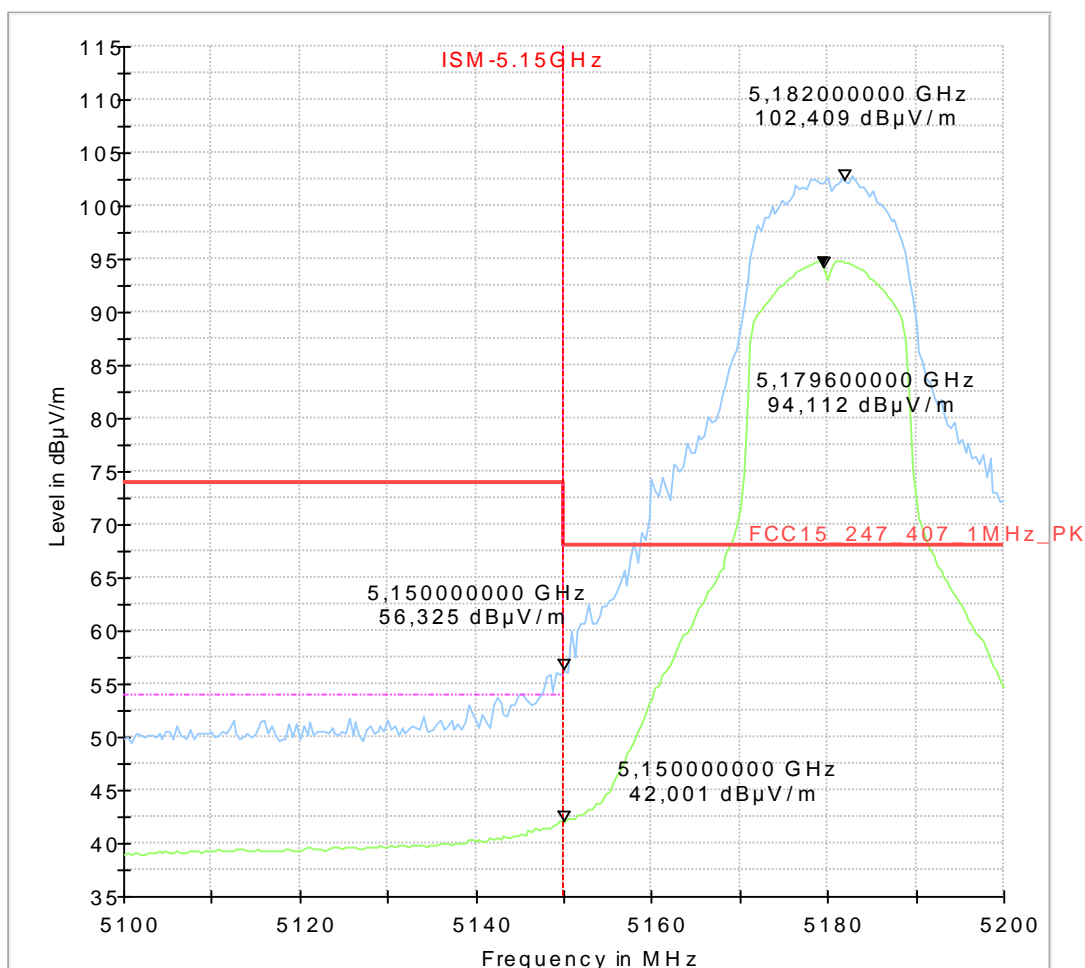**Diagram No.: 9.37_BE-Low-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch36-+20dBm**
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0- U-NII-1-Ch 36 (5180 MHz)- PWR+20dBm
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

3.10. n Mode- B.W. 20 MHz -Channel 48 (5240 MHz) (U-NII-1: right band edge)
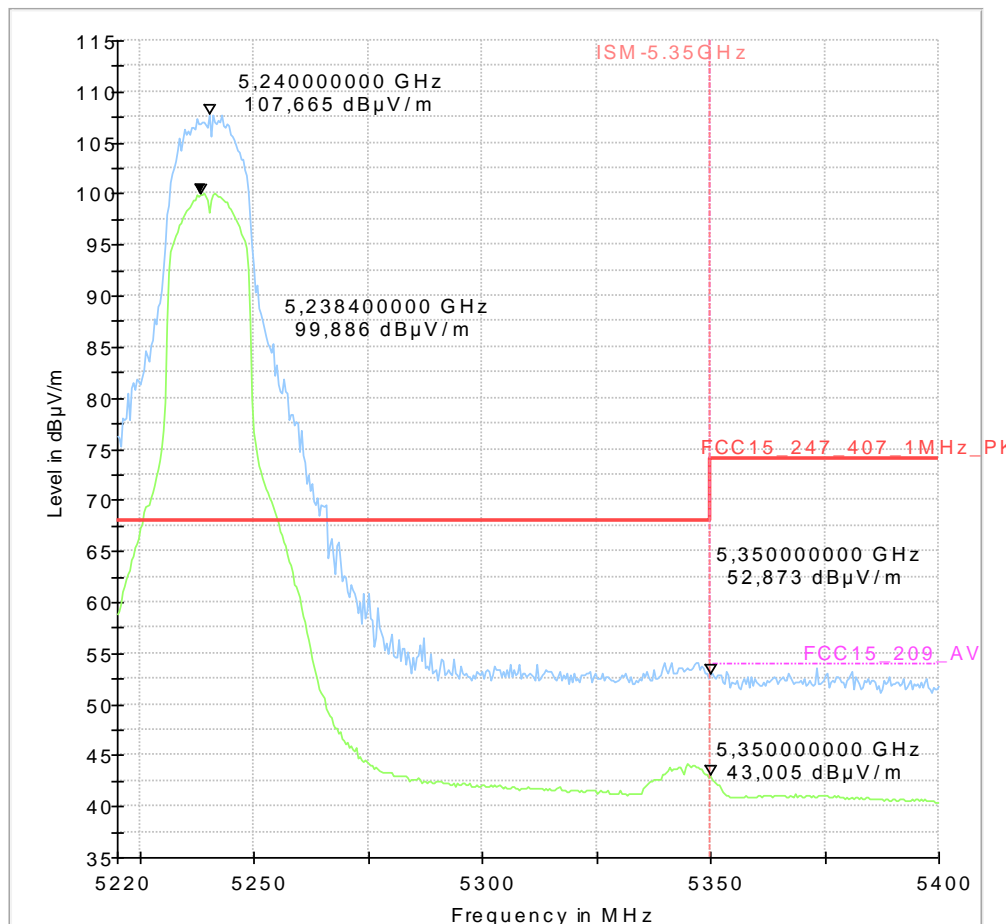#### Diagram No.: 9.51_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch48- +20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

3.11. n Mode- B.W. 20 MHz -Channel 52 (5260 MHz) (U-NII-2A: left band edge)
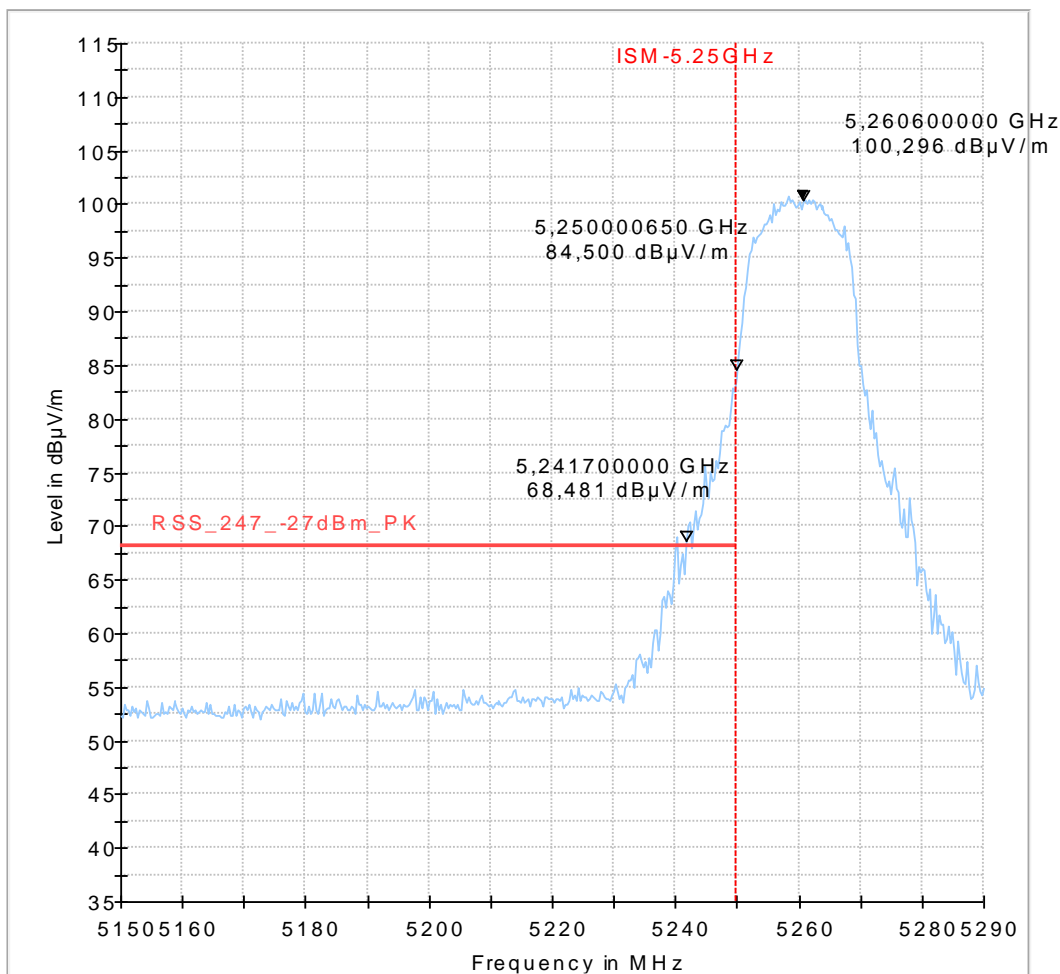### Diagram No.: 9.52_BE-LOW-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch52- +20dBm-step1

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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)
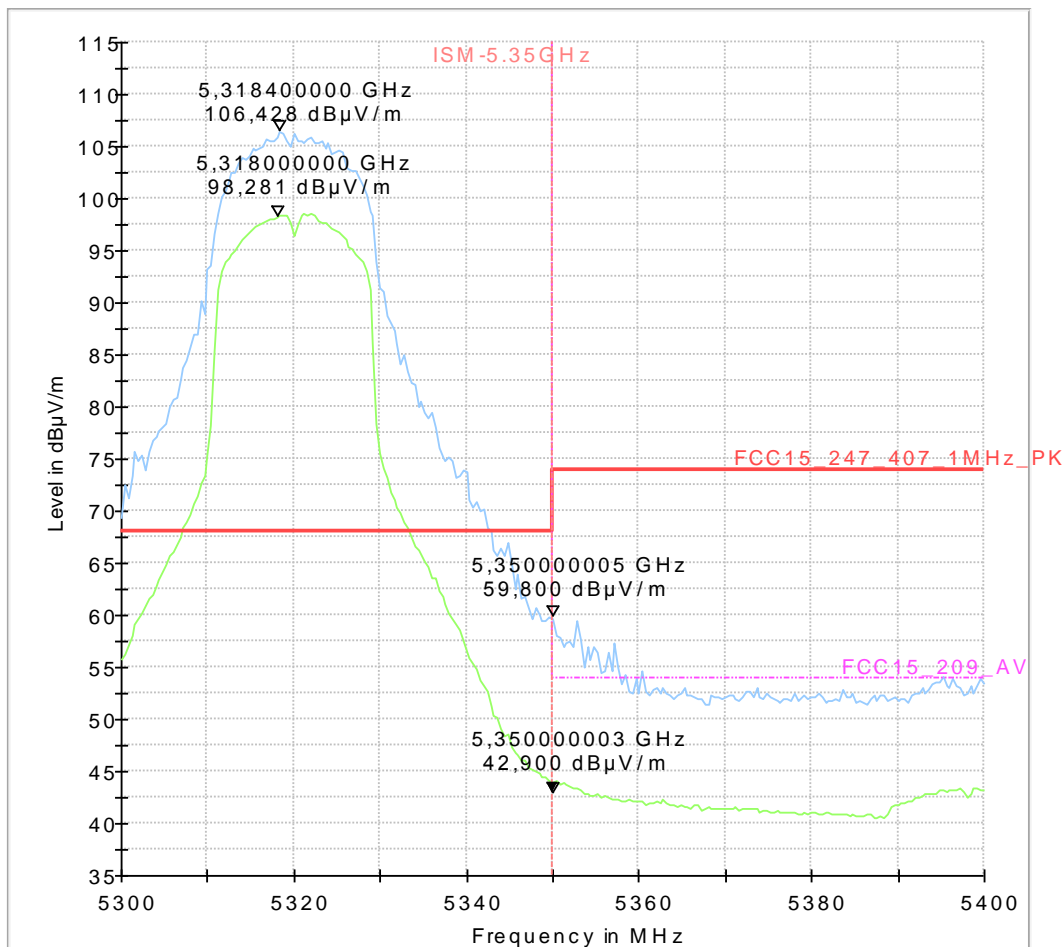**Diagram No.: 9.38_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch64-
+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0-U-NII-2A-Ch 64 (5320 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

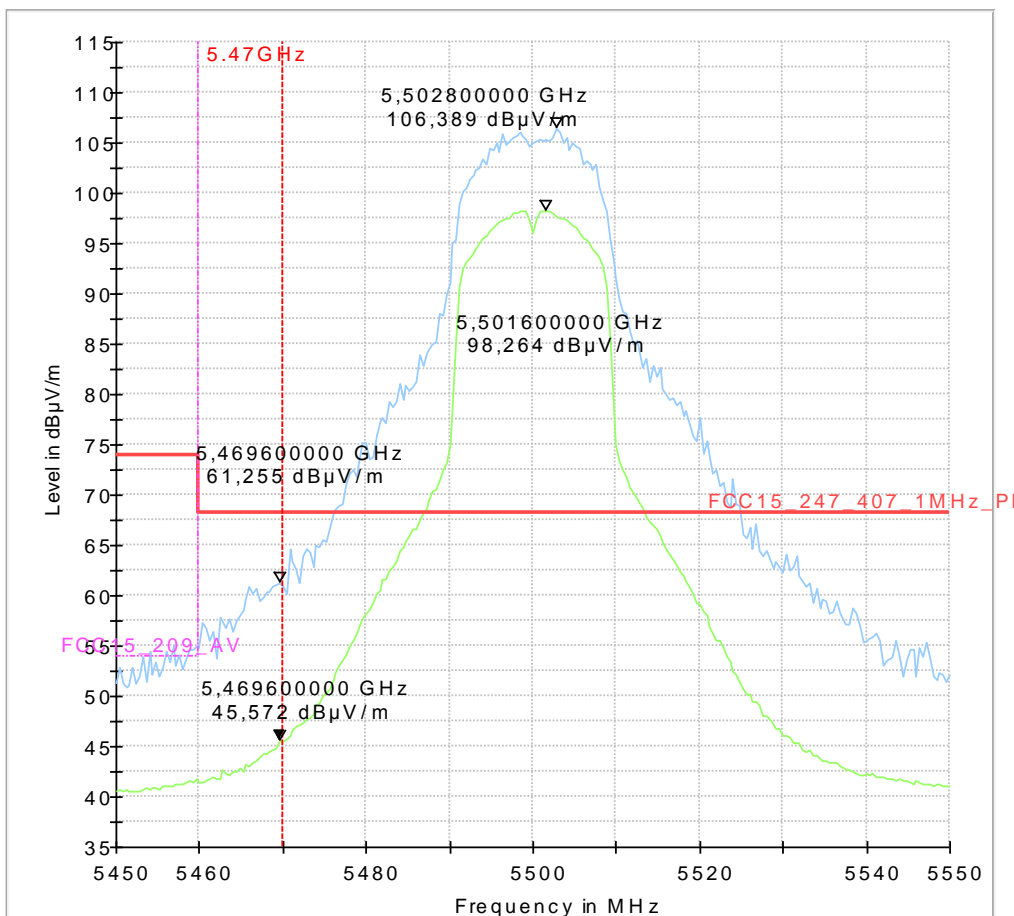**Diagram No.: 9.39_BE-Low-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch100-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0-U-NII-2C-Ch100(5500 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

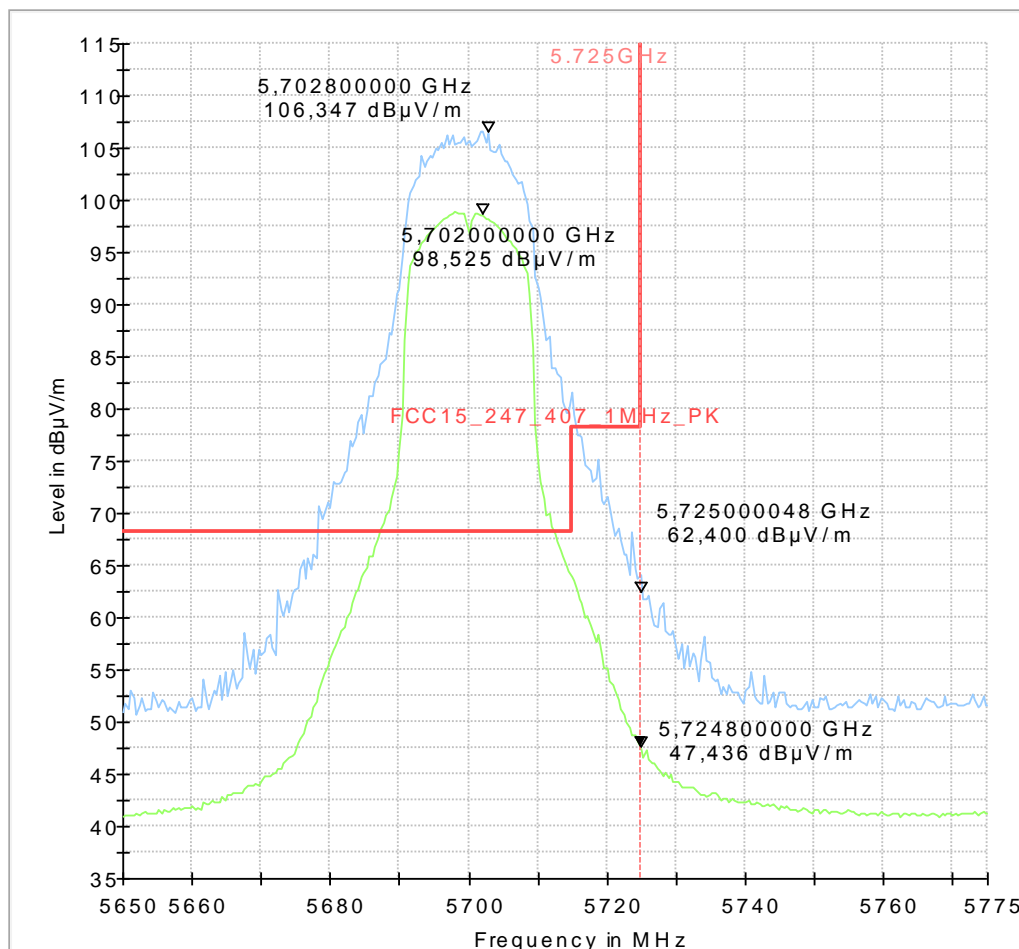**Diagram No.: 9.40_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch140- +20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0-U-NII-2C-Ch140(5700 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

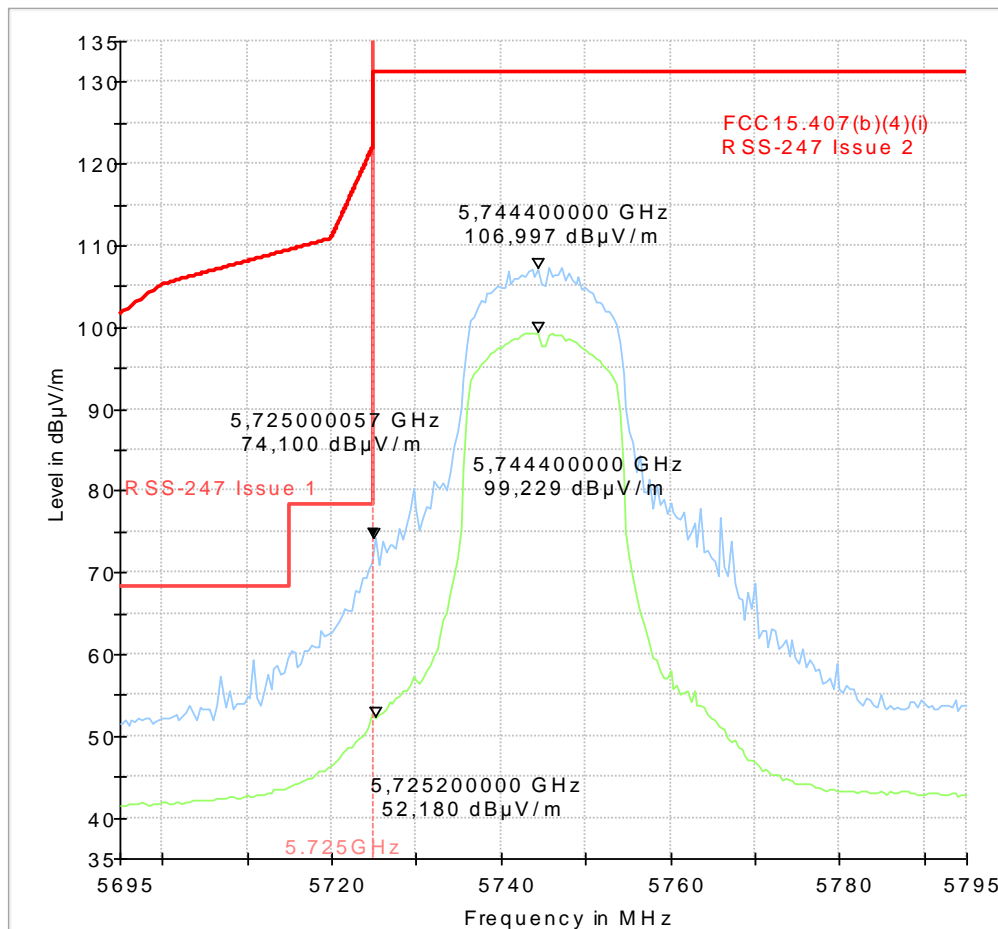### Diagram No.: 9.41_BE-Low-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch149- +20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0-U-NII-3-Ch 149 (5745 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

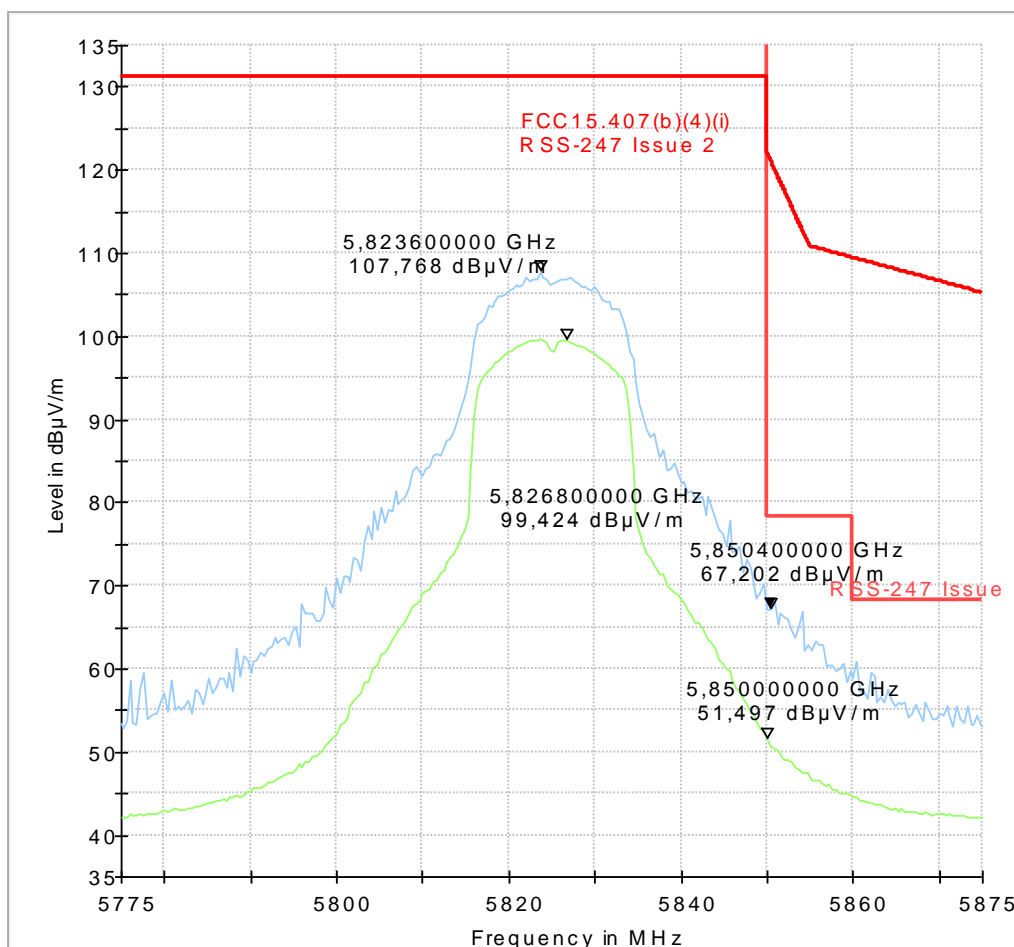**Diagram No.: 9.42_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-20MHz- MCS0-Ch165+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 20 MHz- MCS0-U-NII-3-Ch 165 (5825 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

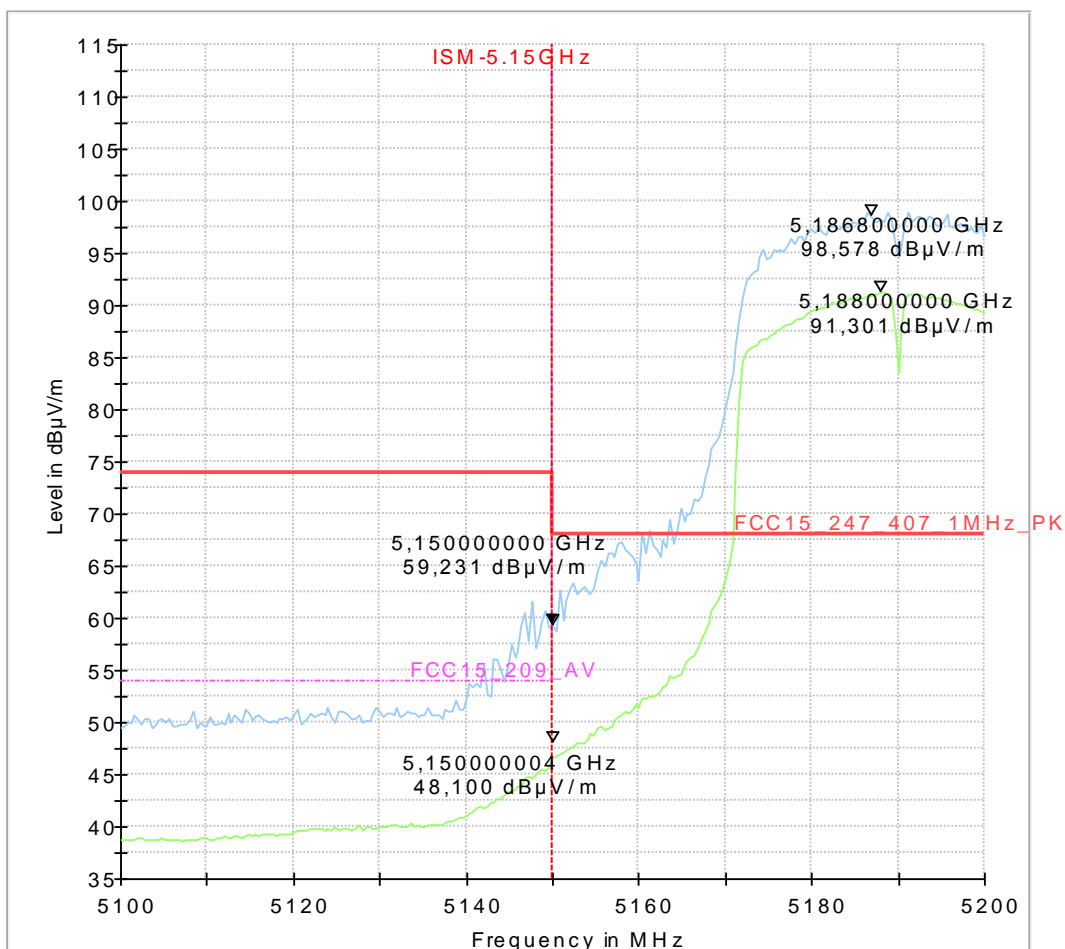**Diagram No.: 9.43_BE-Low-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch38-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

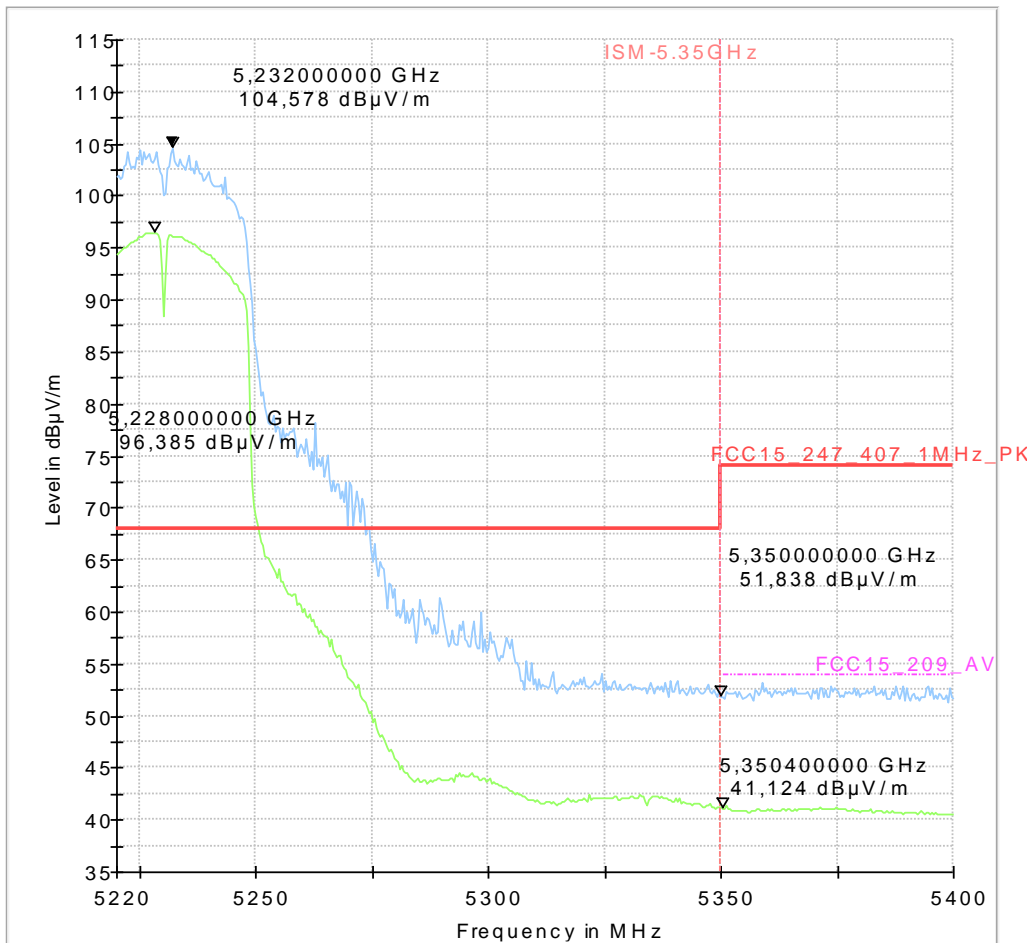### Diagram No.: 9.53_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch46- +20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

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

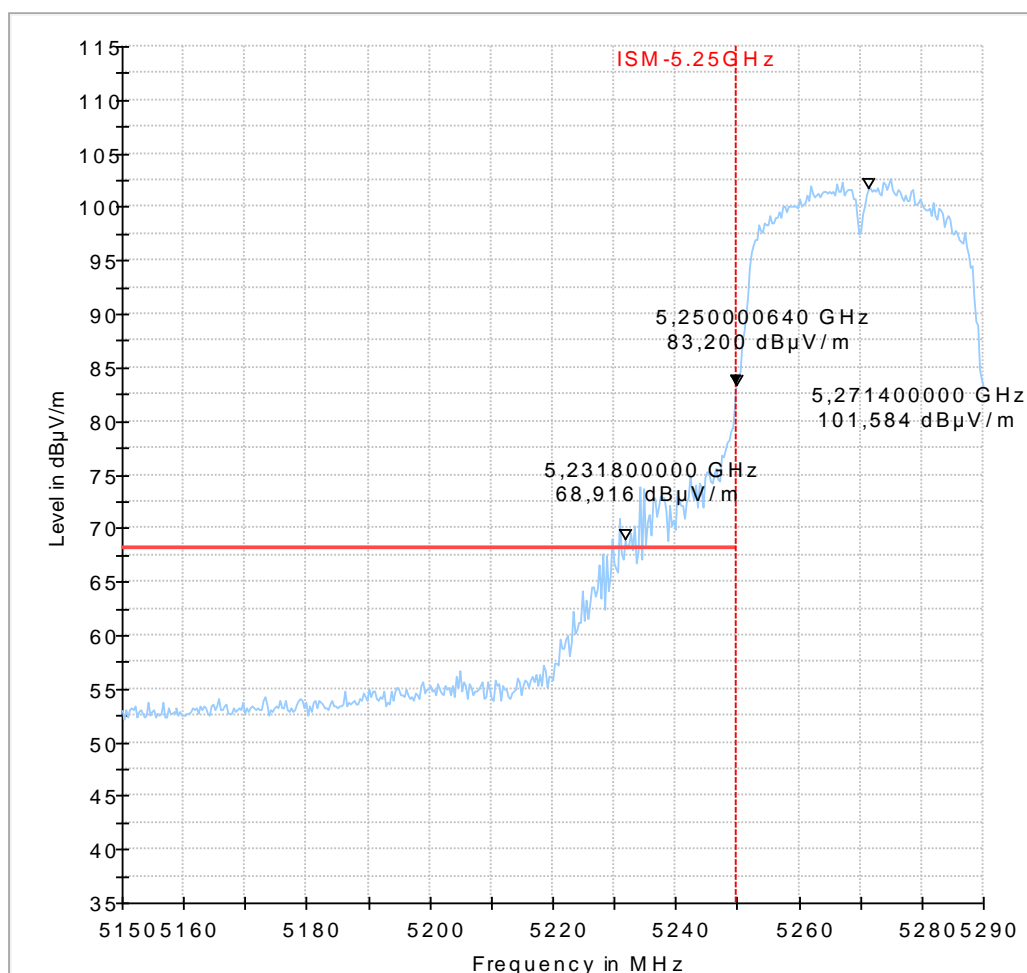### Diagram No.: 9.54_BE-LOW-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch54- +20dBm-step1

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully Internal Battery charging
Battery Type:	BT-26	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 17-1-0180901T16a

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

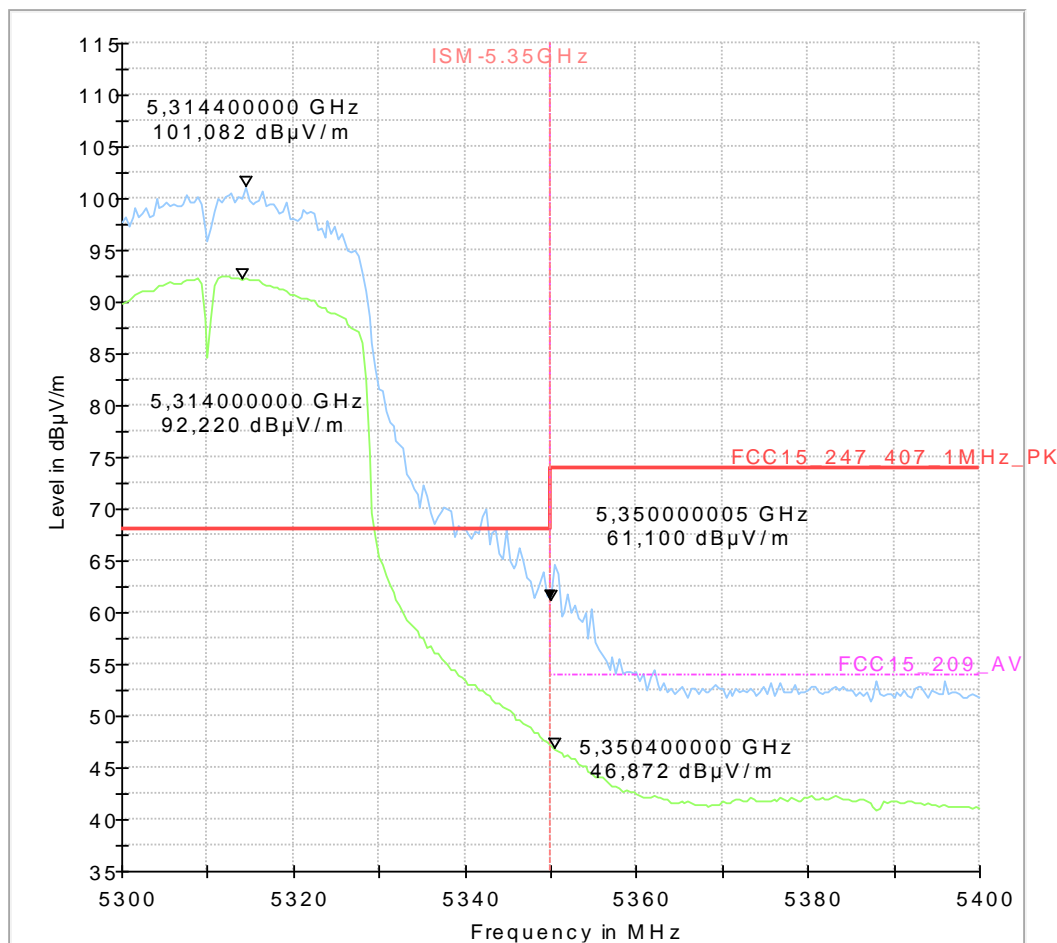### Diagram No.: 9.44_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch62- +20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
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:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

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

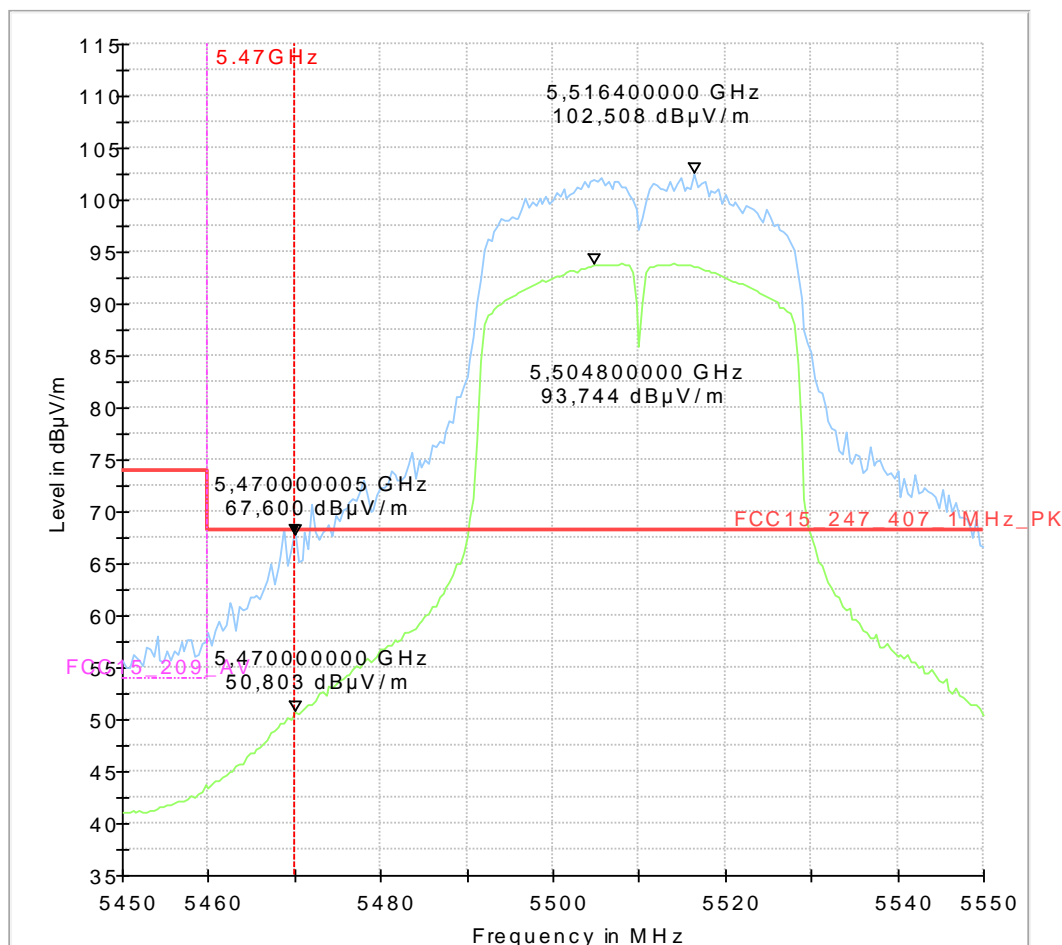**Diagram No.: 9.45_BE-Low-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch102-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0 U-NII-2C-Ch102(5510 MHz)-PWR+20dBm
Operator Name:	KIv

UT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

3.22. n Mode- B.W. 40 MHz -Channel 134 (5670 MHz) (U-NII-2C: right band edge)

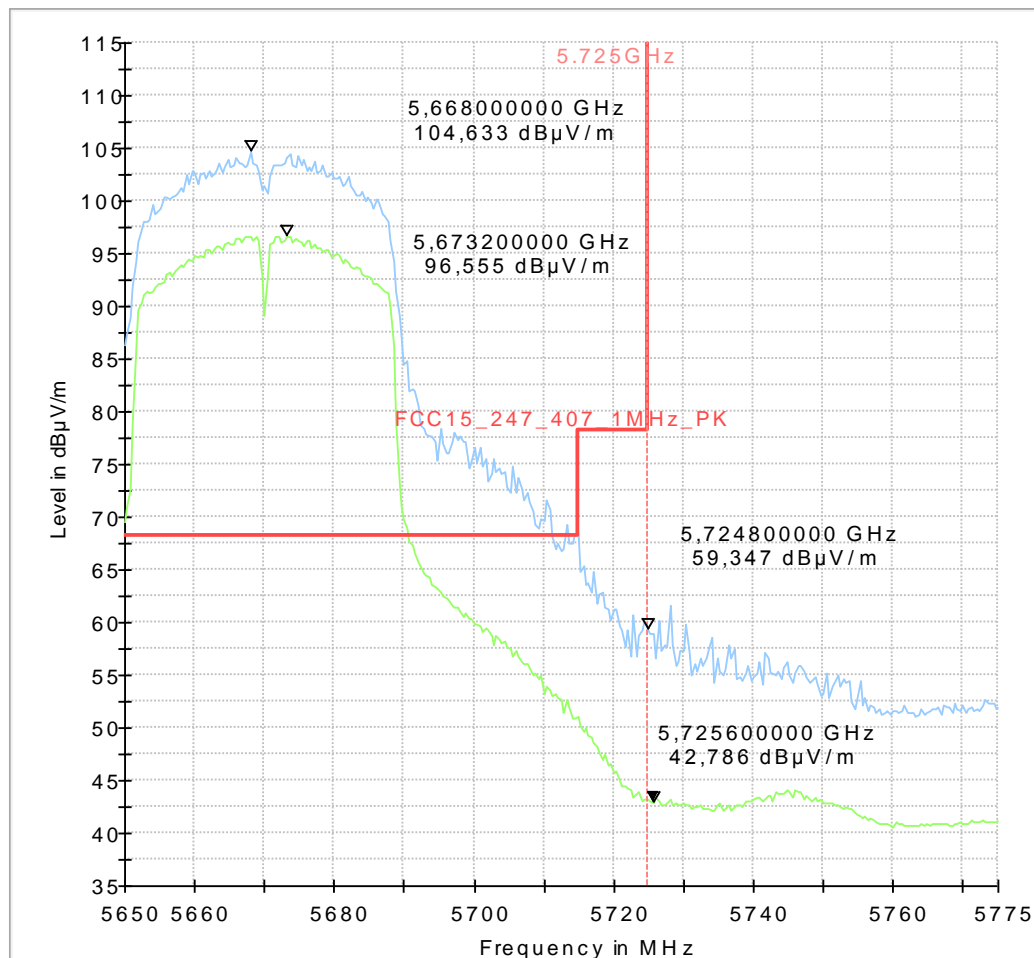**Diagram No.: 9.46_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch134-+20dBm**

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0-U-NII-2C-Ch134(5670 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

3.23. n Mode- B.W. 40 MHz -Channel 151 (5755 MHz) (U-NII-3: left band edge)
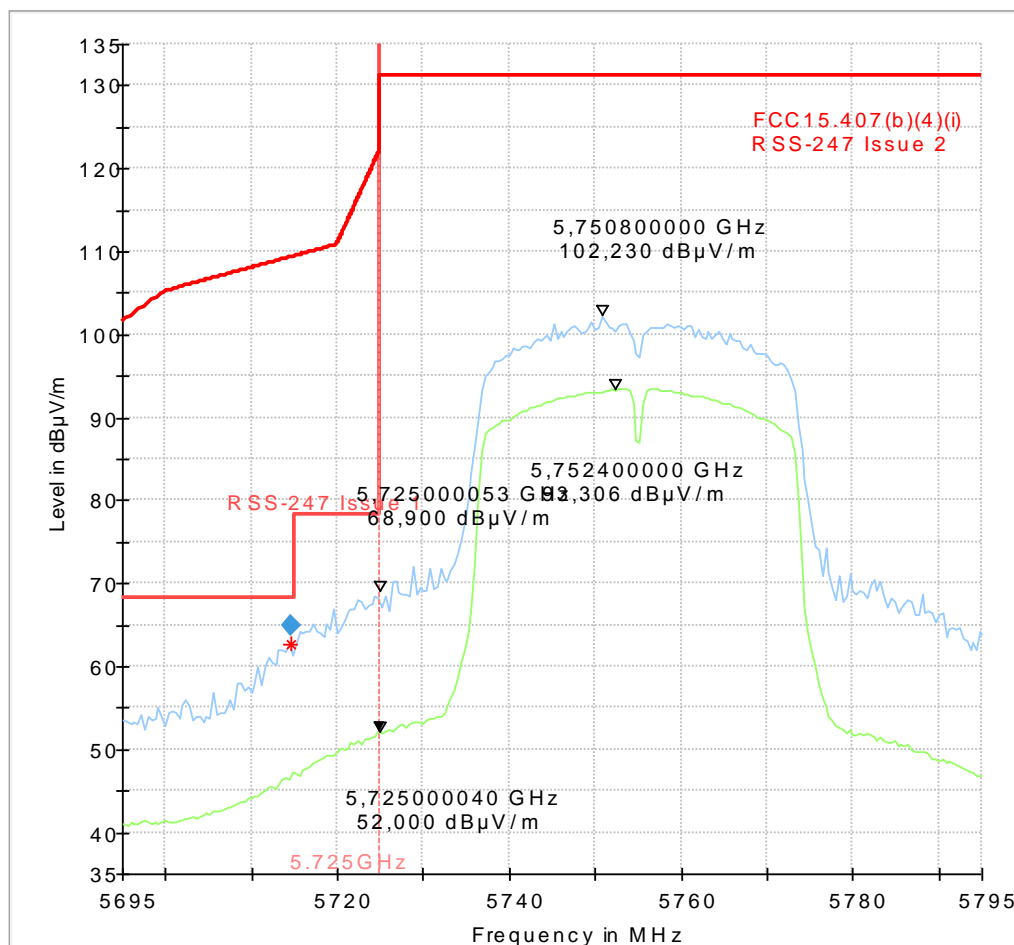### Diagram No.: 9.47_BE-Low-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch151- +20dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	Continuous TX-n Mode-SISO-B.W. 40 MHz- MCS0- U-NII-3-Ch151 (5755 MHz)-PWR+20dBm
Operator Name:	KIv

EUT Information

Manufacturer:	Datalogic S.r.l.
EUT MODEL:	FALCON X4
EuT Type:	E00ANM4HS0GF0A4
P/N:	945550001
S/N:	Z17P02008
HW Version:	BETA
SW Version:	Android 4.4.4
Firmware Version:	2.01.46.20180109
Input:	fully charged Internal Battery
Battery Type:	BT-26	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 17-1-0180901T16a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
5714.550000	64.98	---	68.20	3.22	100.0	1000.000	155.0	V	43.0	0.0

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

Diagram No.: 9.48_BE-High-FALCON X4-WLAN5 GHz-TX-nMode-SISO-40MHz- MCS0-Ch159+20dBm

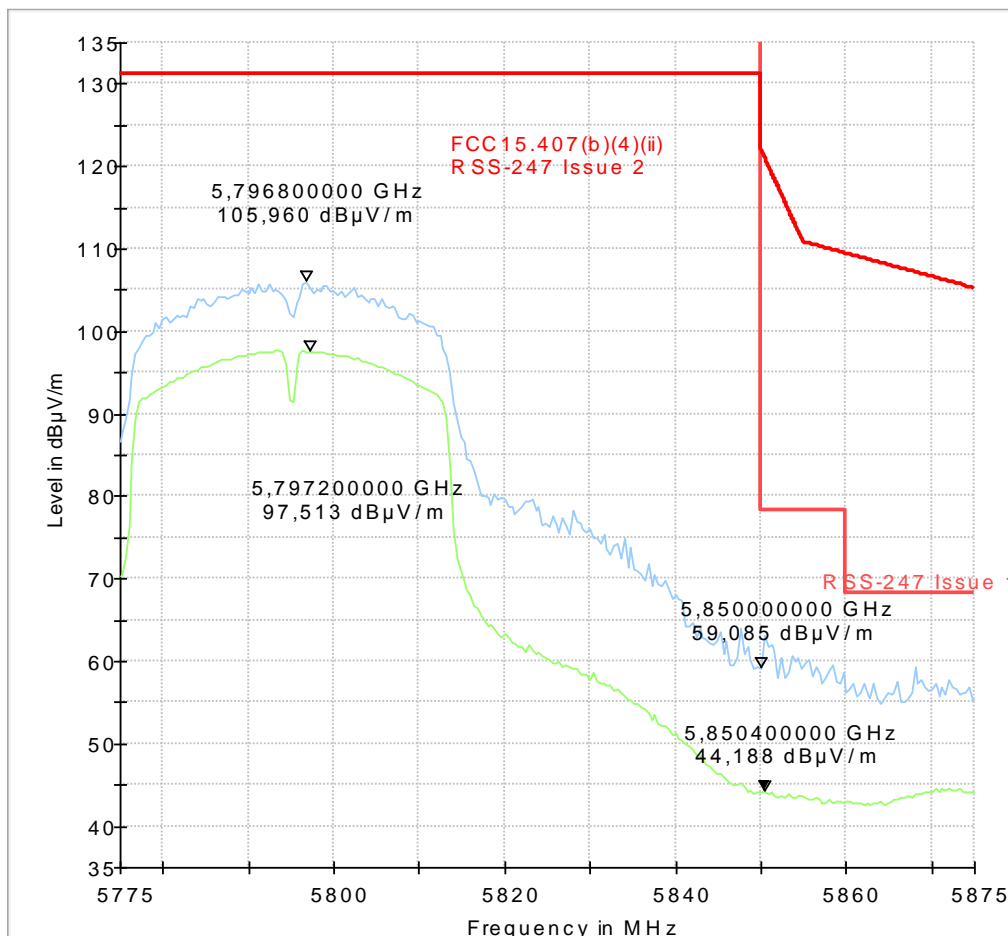### Common Information

Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC 15.407- Intentional Radiator /15.209/15.205
Antenna polarisation: horizontal/vertical
Software Version: #Ver
Operation mode: TX, continuous
Operator Name: Lor
Comment: Channel no. low/middle/high

EUT Information

Manufacturer: Datalogic S.r.l.
EUT MODEL: FALCON X4
EuT Type: E00ANM4HS0GF0A4
P/N: 945550001
S/N: Z17P02008
HW Version: BETA
SW Version: Android 4.4.4
Firmware Version: 2.01.46.20180109
Input: fully charged Internal Battery
Battery Type: BT-26 | 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 17-1-0180901T16a