Annex 1: Measurement diagrams to
T E S T R E P O R T
No.: 17-1-0180901T12a

According to:

FCC Regulations
Part 15.205
Part 15.209
Part 15.247

for

Datalogic S.r.l.

FALCON X4
Type E00ANM4HS0GF0A4

FCC ID: U4GFX4WB

Laboratory Accreditation and Listings			
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	MRA US-EU 0003	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	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			

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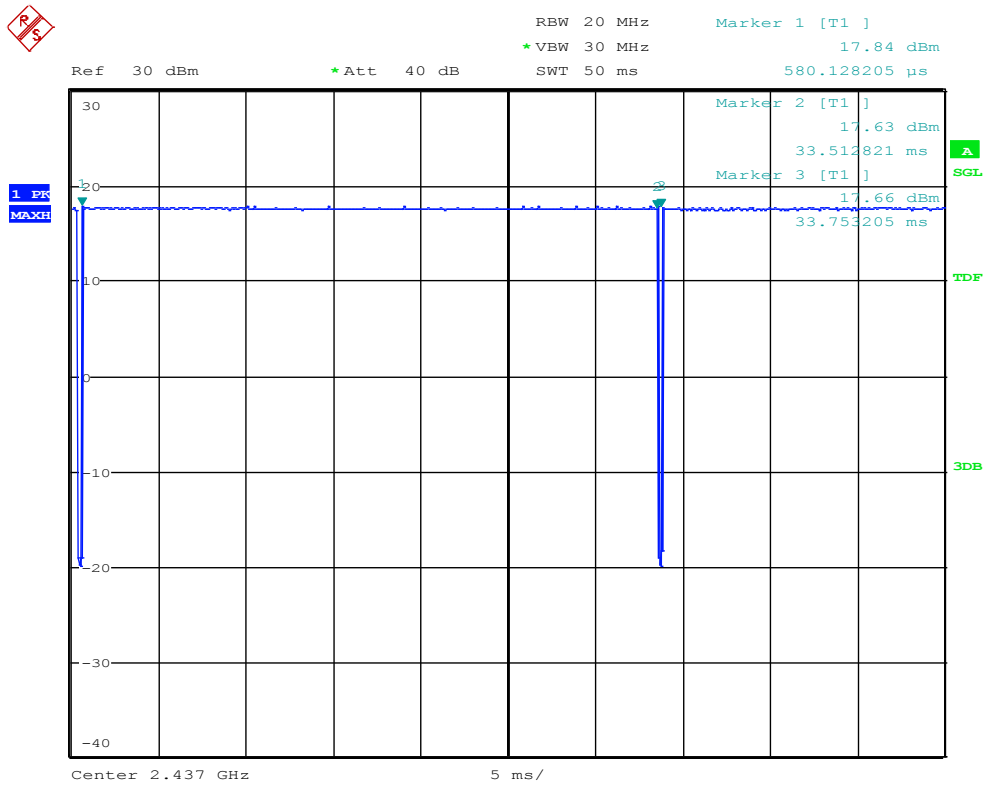
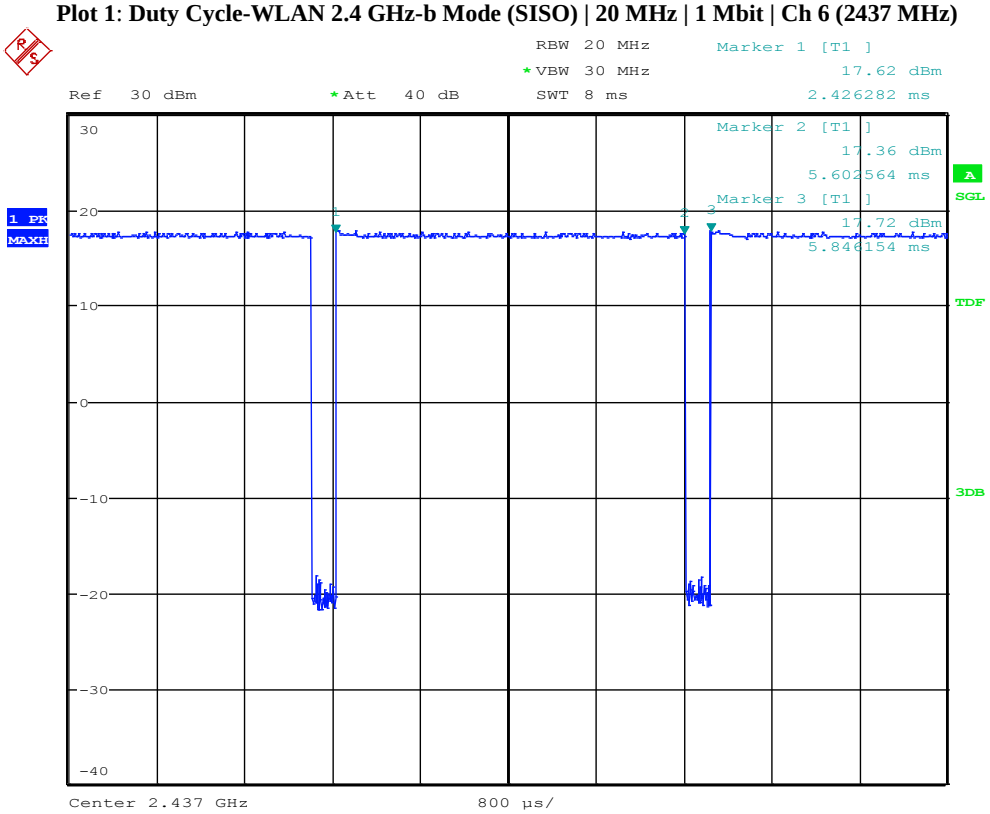
TABLE OF CONTENTS:

1. Conducted RF-Measurements

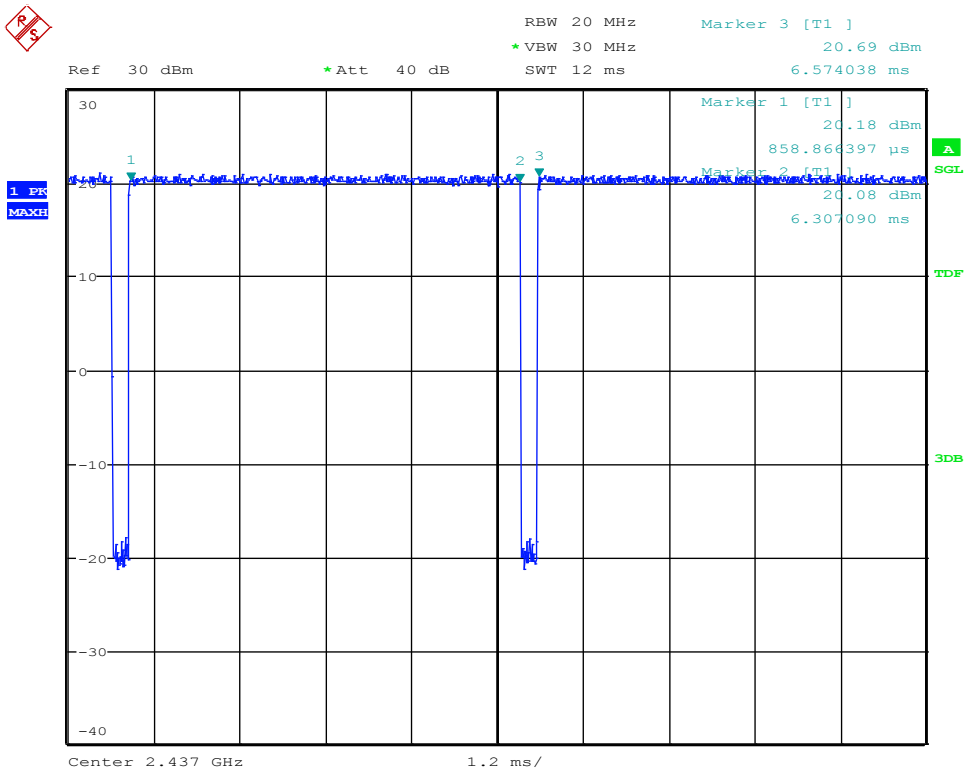
1.1. Duty Cycle Measurements



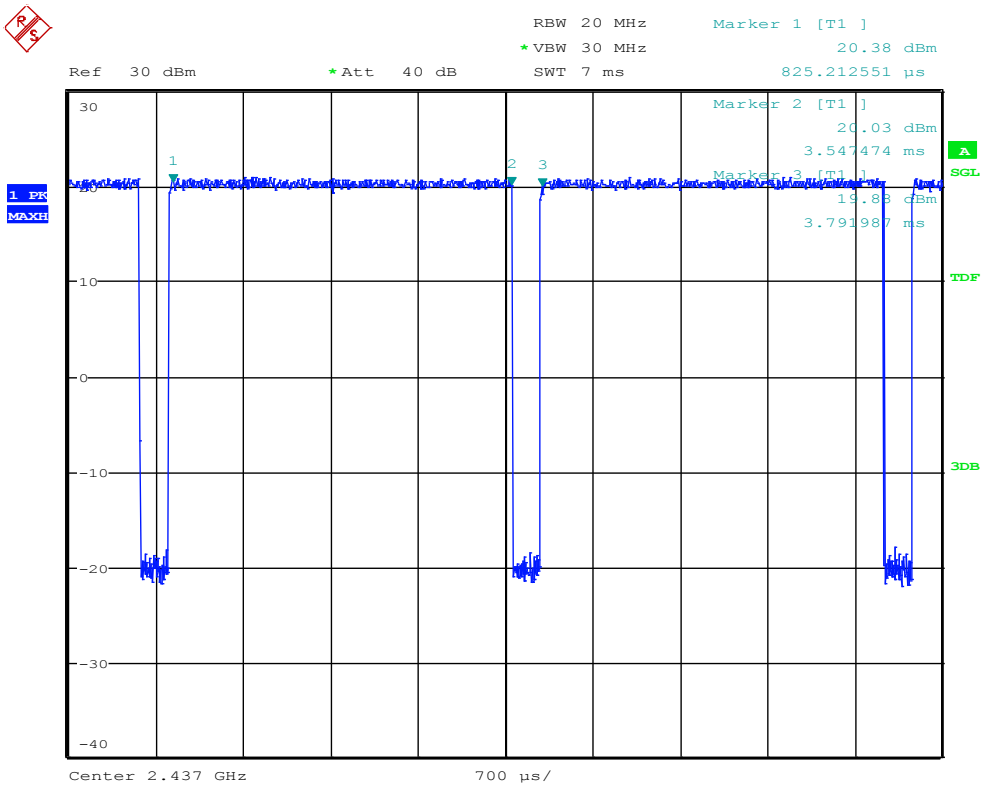
Plot 1: **Duty Cycle-WLAN 2.4 GHz-b Mode (SISO) | 20 MHz | 1 Mbit | Ch 6 (2437 MHz)**



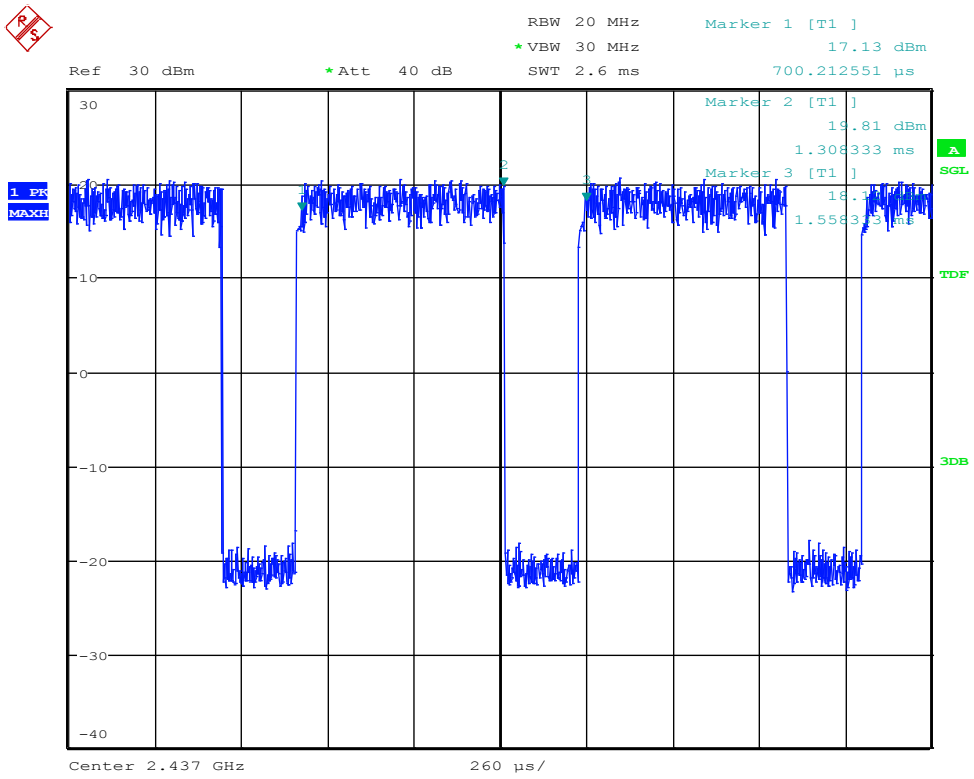
Plot 2: **Duty Cycle-WLAN 2.4 GHz-b Mode (SISO) | 20 MHz | 11 Mbit | Ch 6 (2437 MHz)**



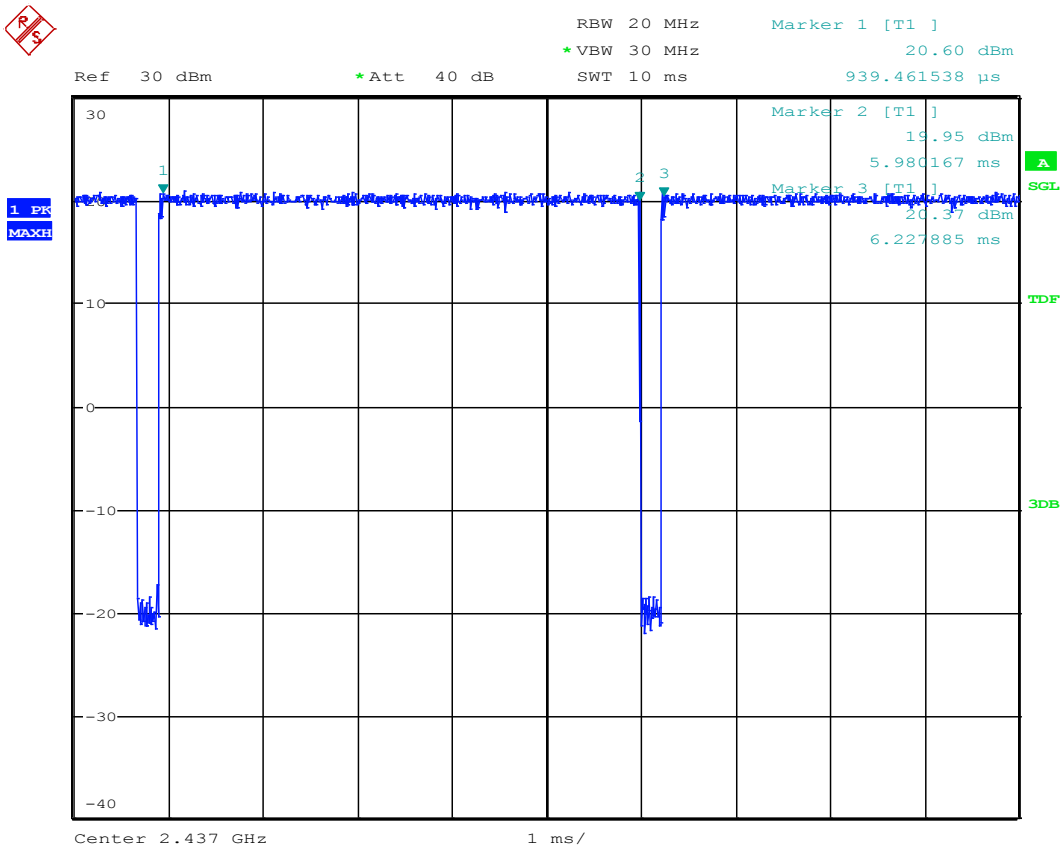
Plot 3: **Duty Cycle-WLAN 2.4 GHz-g Mode (SISO) | 20 MHz | 6 Mbit | Ch 6 (2437 MHz)**



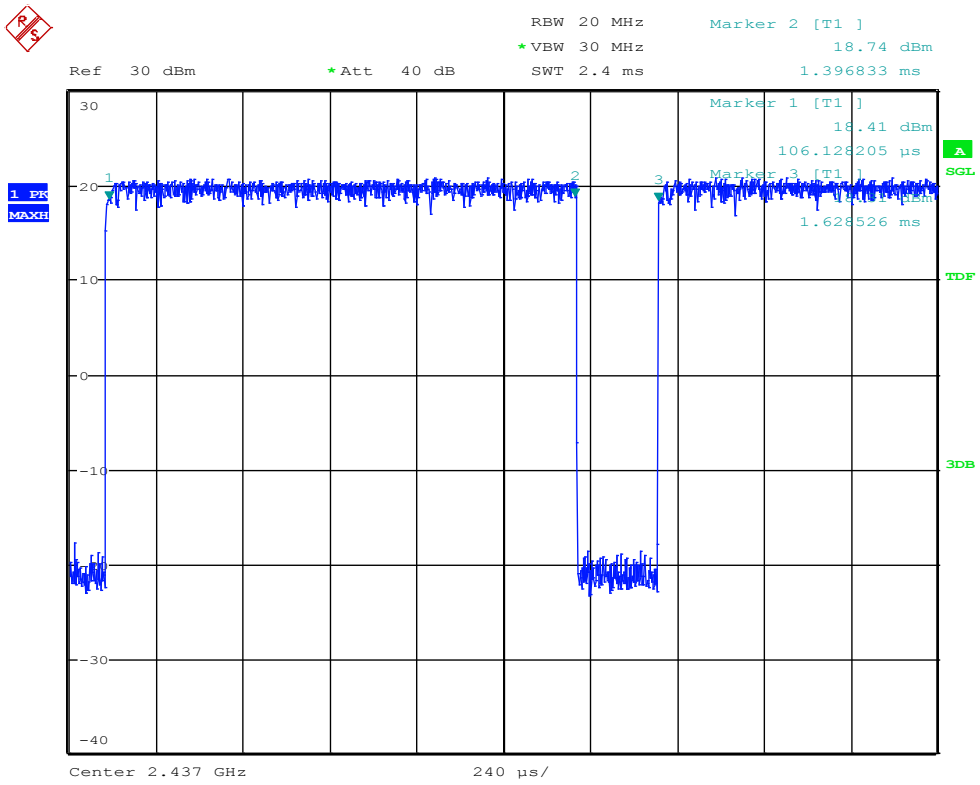
Plot 4:**DC-TX-gMode-SISO-20MHz- 12MBit-Ch6+20dBm**



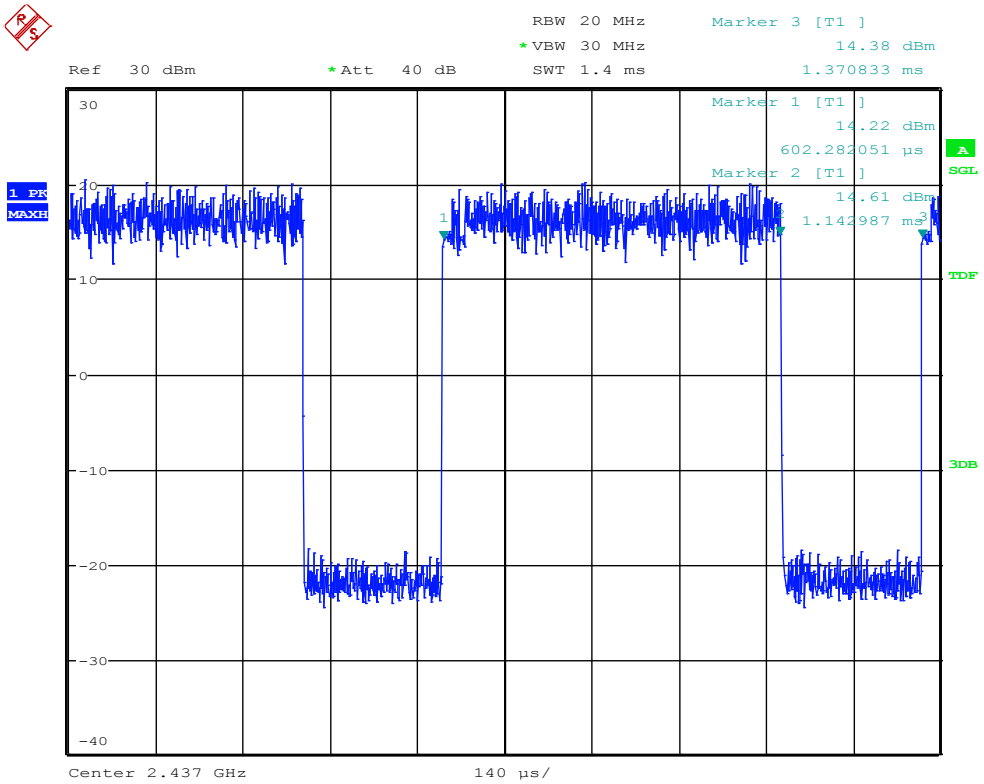
Plot 5: **Duty Cycle-WLAN 2.4 GHz-g Mode (SISO) | 20 MHz | 54 Mbit | Ch 6 (2437 MHz)**



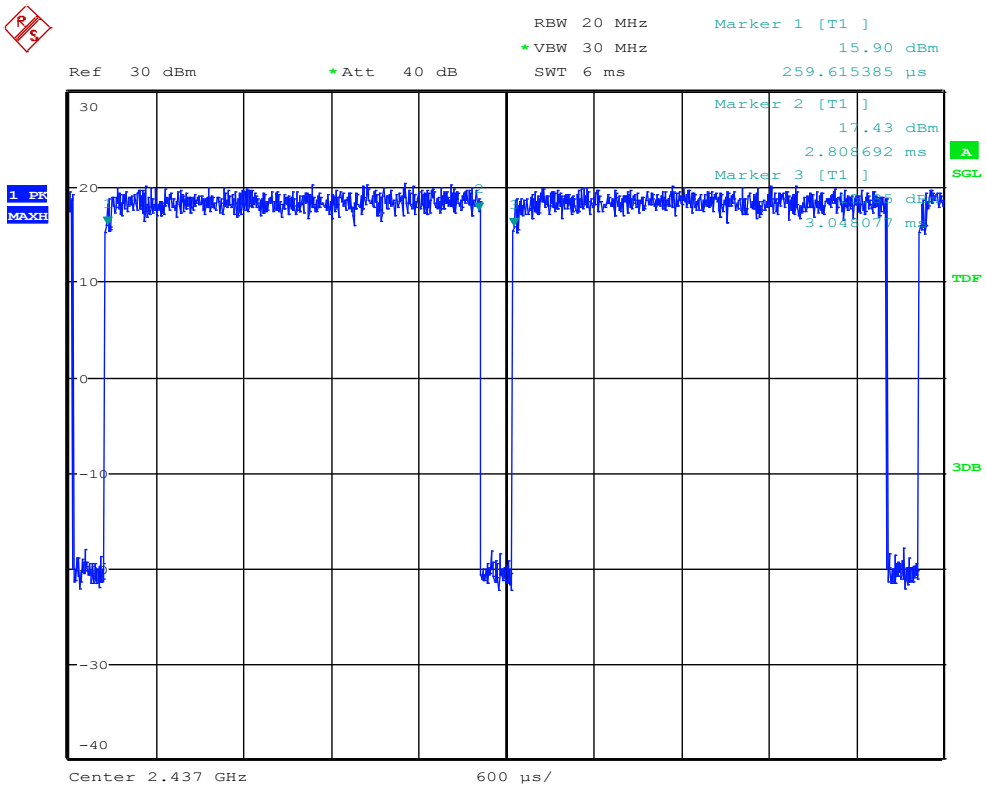
Plot 6: **Duty Cycle-WLAN 2.4 GHz-n Mode (SISO) | 20 MHz | MCS0 | Ch 6 (2437 MHz)**



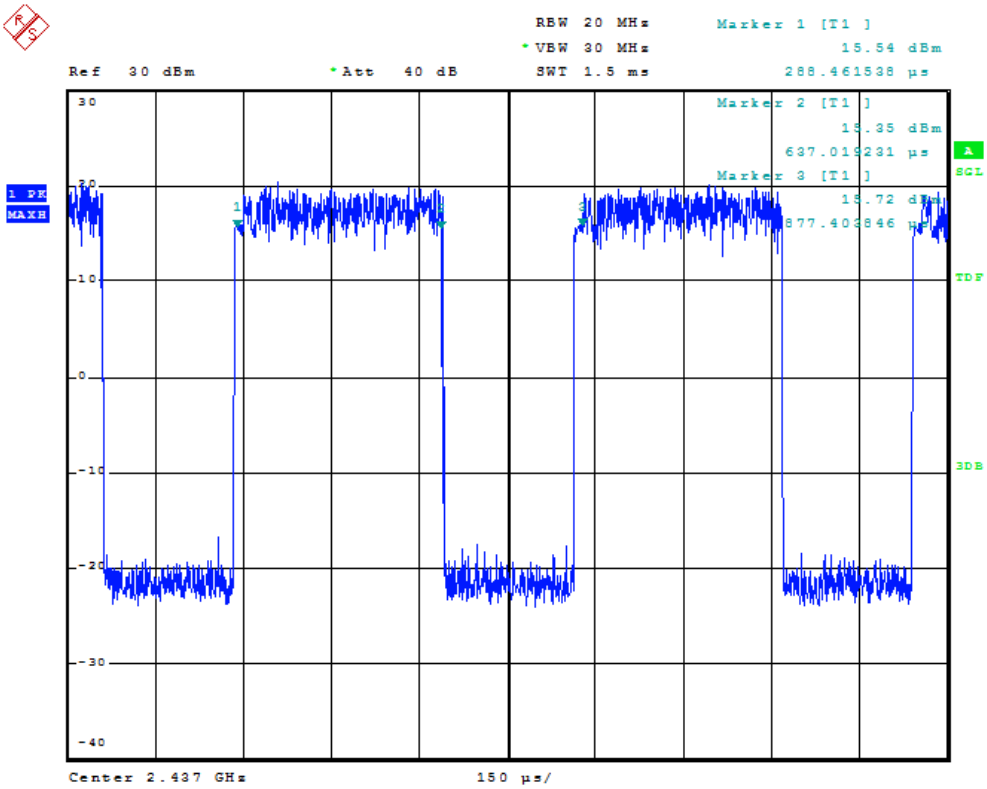
Plot 7: DC-TX-nMode-SISO-20MHz-MCS3-Ch6+20dBm



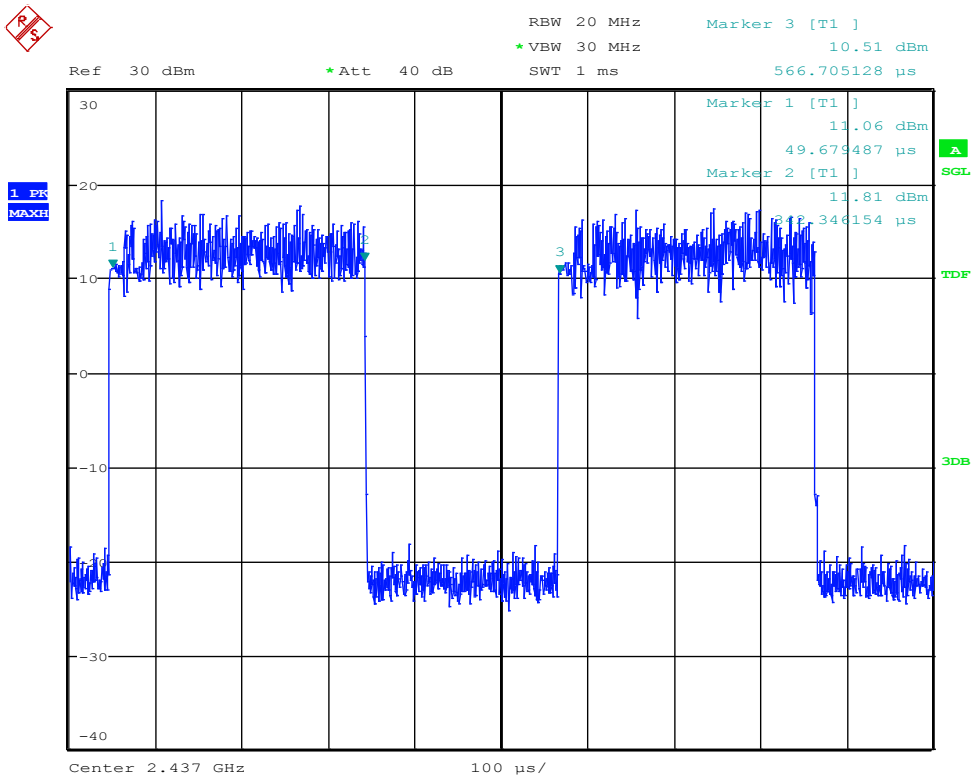
Plot 8: Duty Cycle-WLAN 2.4 GHz-n Mode (SISO) | 20 MHz | MCS7 | Ch 6 (2437 MHz)



Plot 9: **Duty Cycle-WLAN 2.4 GHz-n Mode (MIMO) | 20 MHz | MCS8 | Ch 6 (2437 MHz)**



Plot 10: **Duty Cycle-WLAN 2.4 GHz-n Mode (MIMO) | AUX | 20 MHz | MCS13 | Ch 6 (2437 MHz)**



Plot 11: **Duty Cycle-WLAN 2.4 GHz-n Mode (MIMO) | 20 MHz | MCS15 | Ch 6 (2437 MHz)**

1.2. Peak Power Spectral Density Measurements (n MIMO Mode)

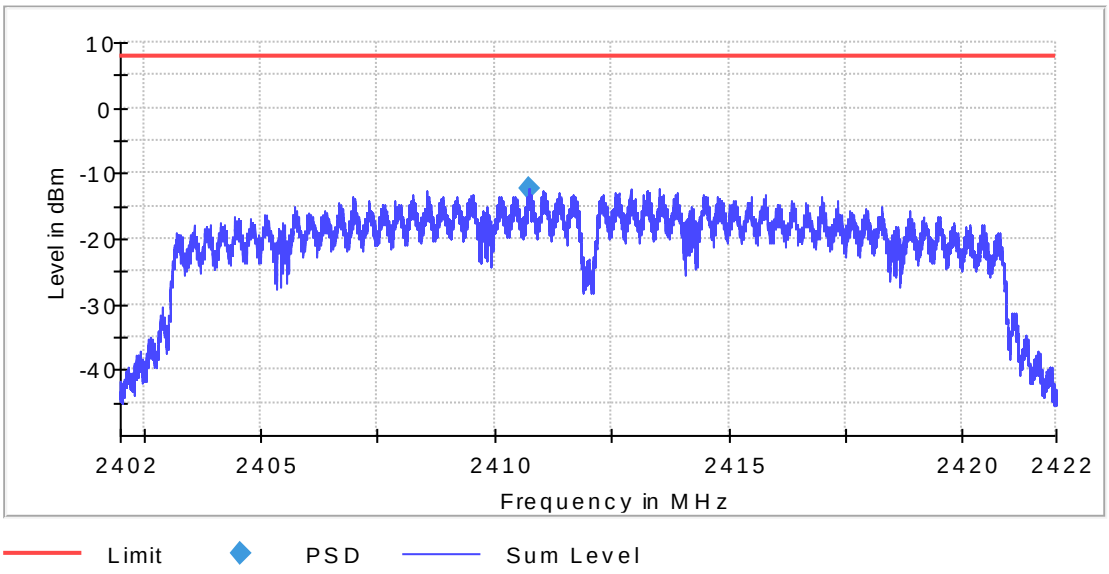
1.2.1. n-Mode MIMO|20 MHz| MCS13| Lowest Channel 1 (2412 MHz)

Power Spectral Density (2412 MHz; 20,000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2410.738346	-12.226	8.0	PASS



Measurement

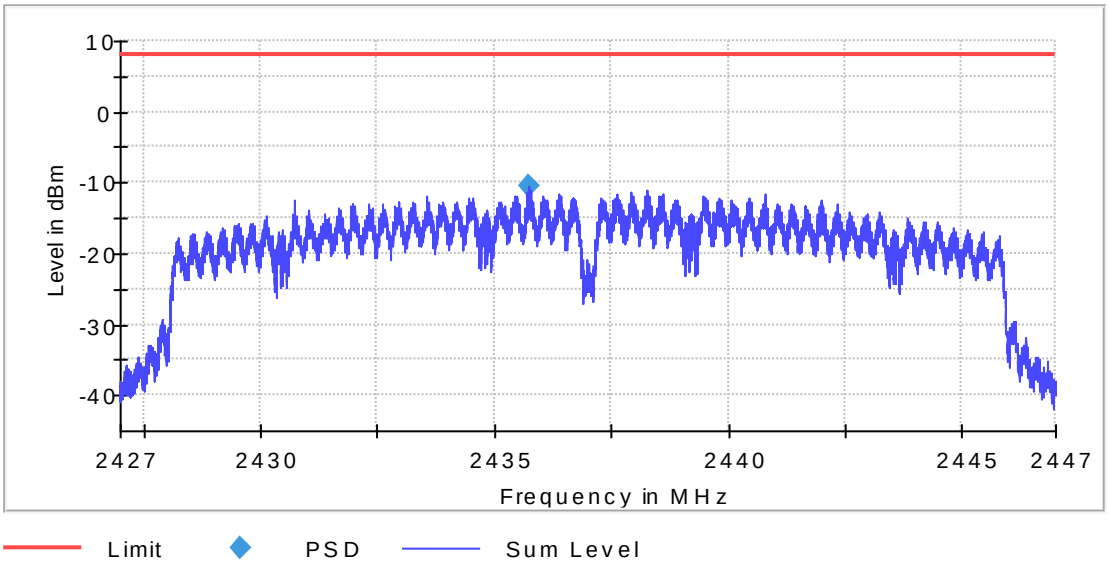
Setting	Instrument Value	Target Value
Start Frequency	2.40200 GHz	2.40200 GHz
Stop Frequency	2.42200 GHz	2.42200 GHz
Span	20.000 MHz	20.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	13301	~ 13333
Sweeptime	450.000 s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off

1.2.2. n-Mode MIMO|20 MHz| MCS13| Middle Channel 6 (2437 MHz)

Power Spectral Density (2437 MHz; 20,000 dBm; 20 MHz)
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2435.741353	-10.420	8.0	PASS



Measurement

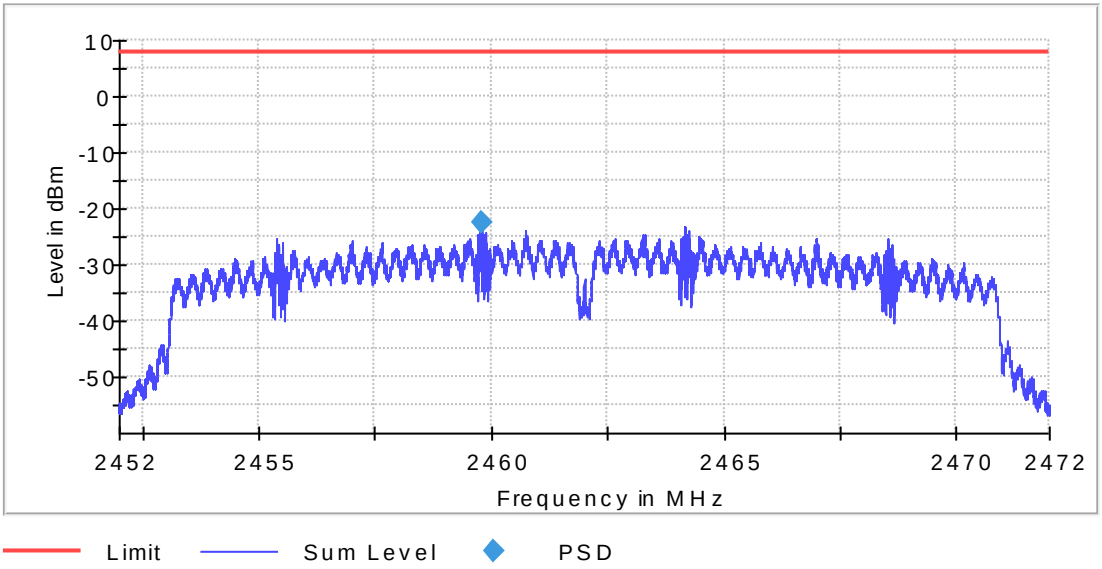
Setting	Instrument Value	Target Value
Start Frequency	2.42700 GHz	2.42700 GHz
Stop Frequency	2.44700 GHz	2.44700 GHz
Span	20.000 MHz	20.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	13301	~ 13333
Sweeptime	450.000 s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off

1.2.3. n-Mode MIMO|20 MHz| MCS13| Highest Channel 11 (2462 MHz)

Power Spectral Density (2462 MHz; 20,000 dBm; 20 MHz)
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2460.733835	-11.315	8.0	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.45200 GHz	2.45200 GHz
Stop Frequency	2.47200 GHz	2.47200 GHz
Span	20.000 MHz	20.000 MHz
RBW	3.000 kHz	<= 3.000 kHz
VBW	10.000 kHz	>= 9.000 kHz
SweepPoints	13301	~ 13333
Sweeptime	450.000 s	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off

1.3. 6 dB Bandwidth Measurements (n MIMO Mode)

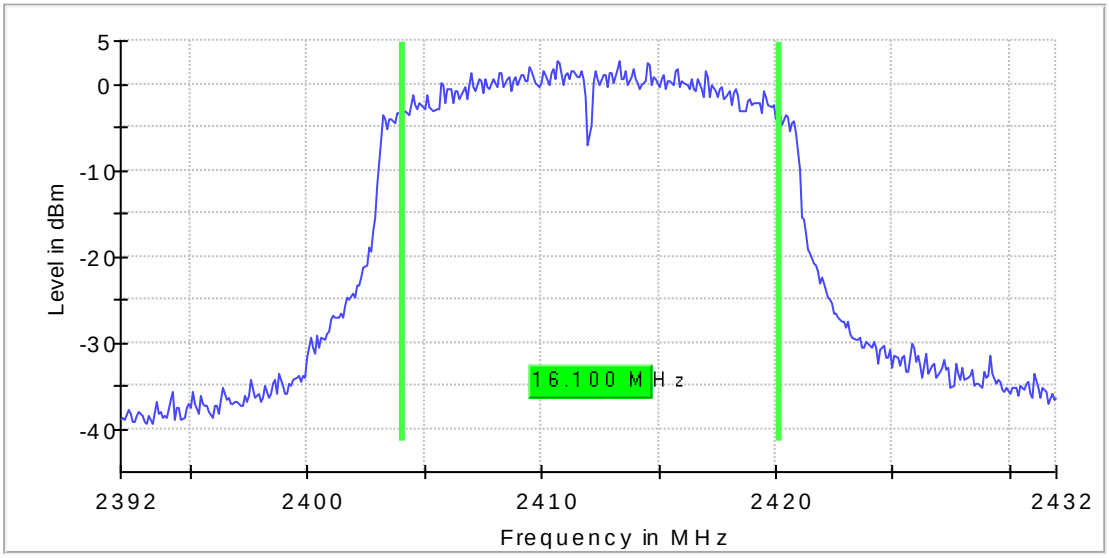
1.3.1. n-Mode MIMO|20 MHz| MCS13| Lowest Channel 1 (2412 MHz)

Minimum Emission Bandwidth 6 dB (2412 MHz; 20,000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2412.000000	16.100000	0.500000	---	2404.100000	2420.200000	2.7	PASS



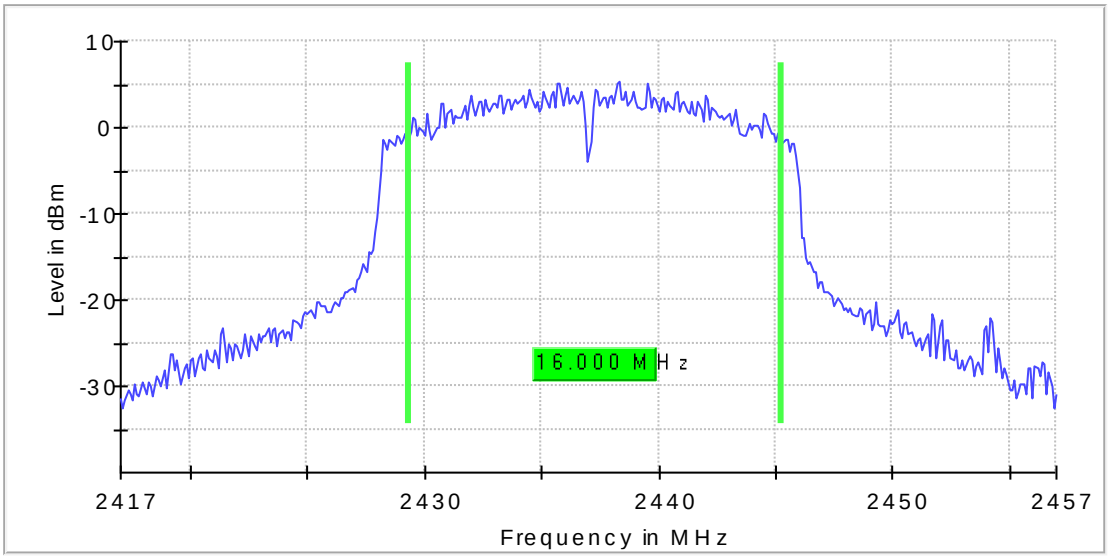
Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	401	~ 400
Sweeptime	15.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	97 / max. 150	max. 150
Stable	15 / 15	15
Max Stable Difference	0.21 dB	0.50 dB

1.3.2. n-Mode MIMO|20 MHz| MCS13| Middle Channel 6 (2437 MHz)
Minimum Emission Bandwidth 6 dB (2437 MHz; 20,000 dBm; 20 MHz)
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2437.000000	16.000000	0.500000	---	2429.300000	2445.300000	5.4	PASS



Measurement

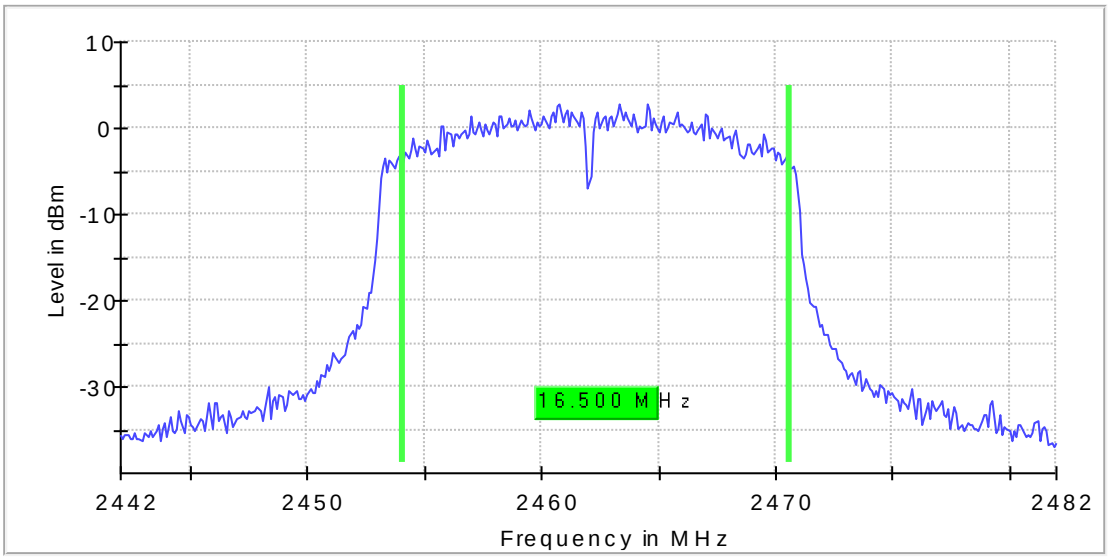
Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	401	~ 400
Sweeptime	15.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	79 / max. 150	max. 150
Stable	15 / 15	15
Max Stable Difference	0.00 dB	0.50 dB

1.3.3. n-Mode MIMO|20 MHz| MCS13| Highest Channel 11 (2462 MHz)
Minimum Emission Bandwidth 6 dB (2462 MHz; 20,000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2462.000000	16.500000	0.500000	---	2454.100000	2470.600000	2.9	2462.000000



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	401	~ 400
Sweeptime	15.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	85 / max. 150	max. 150
Stable	15 / 15	15
Max Stable Difference	0.27 dB	0.50 dB

1.4. 99% Bandwidth Measurements (n MIMO Mode)

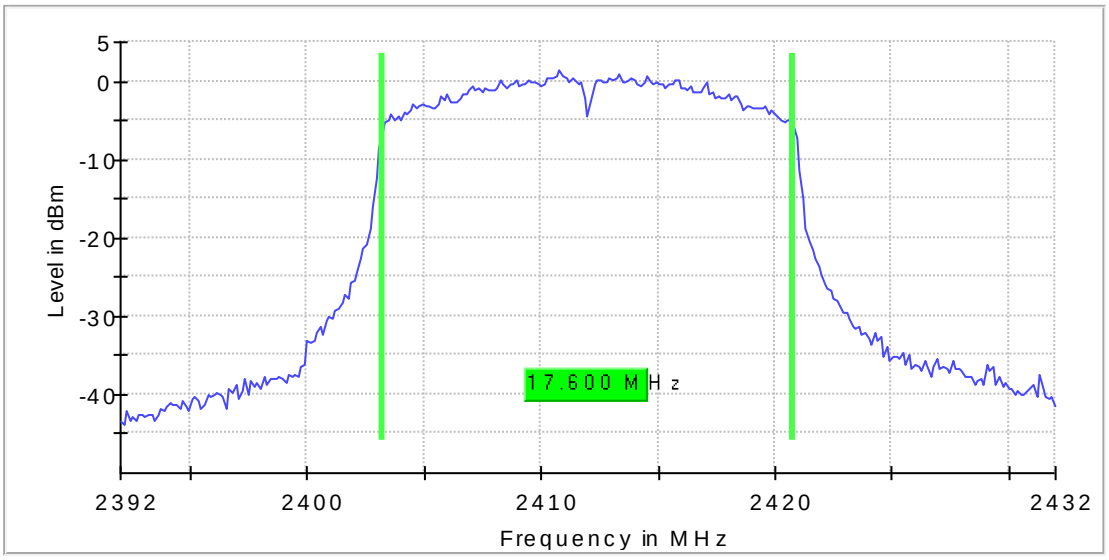
1.4.1. n-Mode MIMO|20 MHz| MCS13| Lowest Channel 1 (2412 MHz)

99 % Occupied Channel Bandwidth (2412 MHz; 20,000 dBm; 20 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2412.000000	17.600000	---	20.000000	2403.200000	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2412.000000	2420.800000	2483.500000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	300.000 kHz	<= 400.000 kHz
VBW	500.000 kHz	<= 900.000 kHz
SweepPoints	301	~ 267
Sweeptime	10.000 ms	10.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	RMS	RMS
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	1.00 dB	1.00 dB
Run	19	no maximum
Stable	10 / 10	10
Max Stable Difference	0.41 dB	1.00 dB

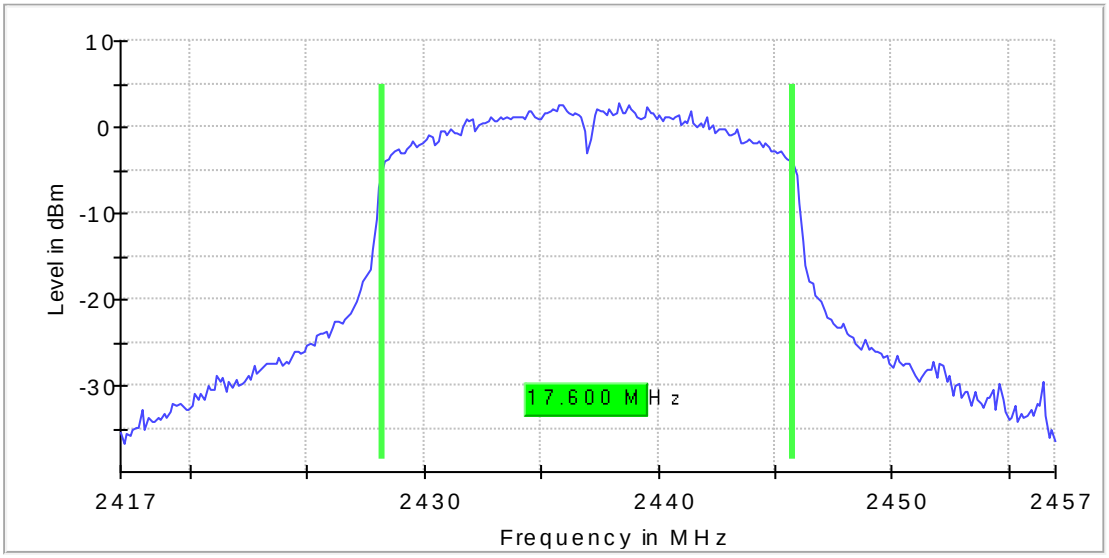
1.4.2. n-Mode MIMO|20 MHz| MCS13| Middle Channel 6 (2437 MHz)

Occupied Channel Bandwidth (2437 MHz; 20,000 dBm; 20 MHz)
Definition: The Occupied Channel Bandwidth is the bandwidth that contains 99 % of the power of the signal.

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2437.000000	17.600000	---	20.000000	2428.200000	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2437.000000	2445.800000	2483.500000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	300.000 kHz	<= 400.000 kHz
VBW	500.000 kHz	<= 900.000 kHz
SweepPoints	301	~ 267
Sweeptime	10.000 ms	10.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	RMS	RMS
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	1.00 dB	1.00 dB
Run	13	no maximum
Stable	10 / 10	10
Max Stable Difference	0.51 dB	1.00 dB

1.4.3. n-Mode MIMO|20 MHz| MCS13| Highest Channel 11 (2462 MHz)

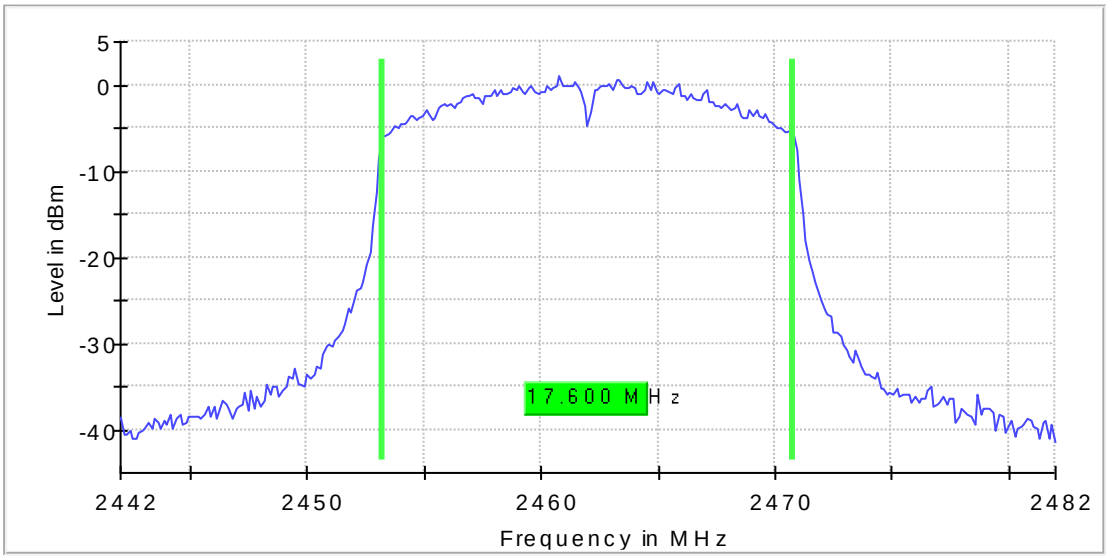
Occupied Channel Bandwidth (2462 MHz; 20,000 dBm; 20 MHz)

Definition: The Occupied Channel Bandwidth is the bandwidth that contains 99 % of the power of the signal.

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2462.000000	17.600000	---	20.000000	2453.200000	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2462.000000	2470.800000	2483.500000	PASS

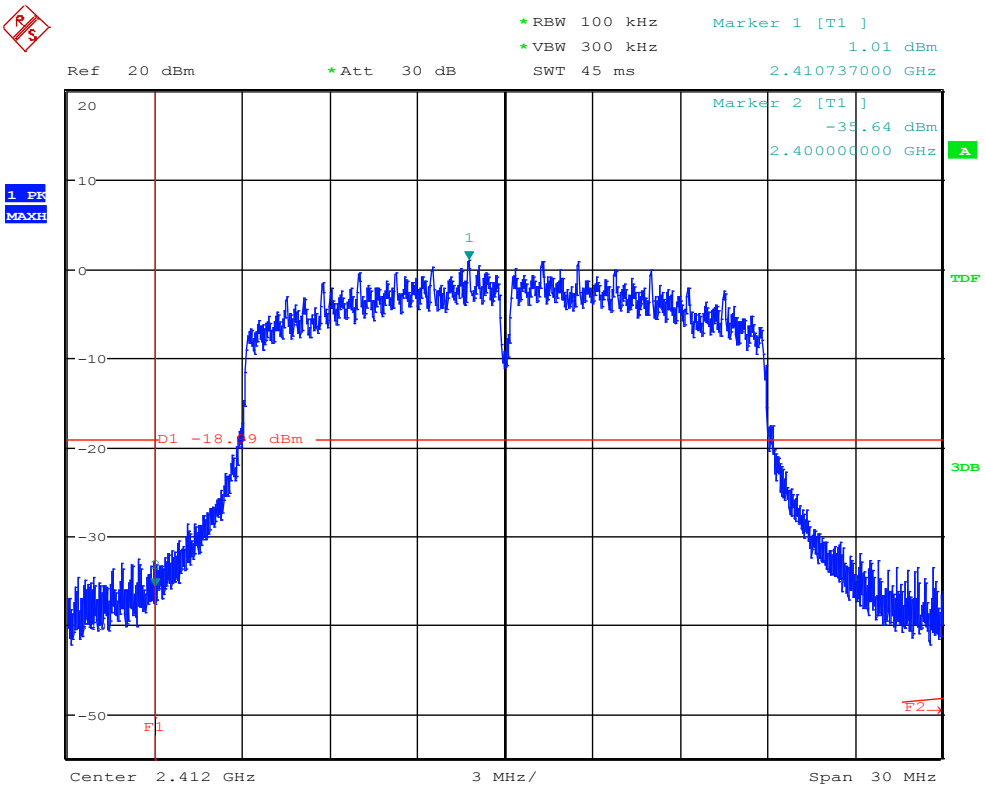


Measurement

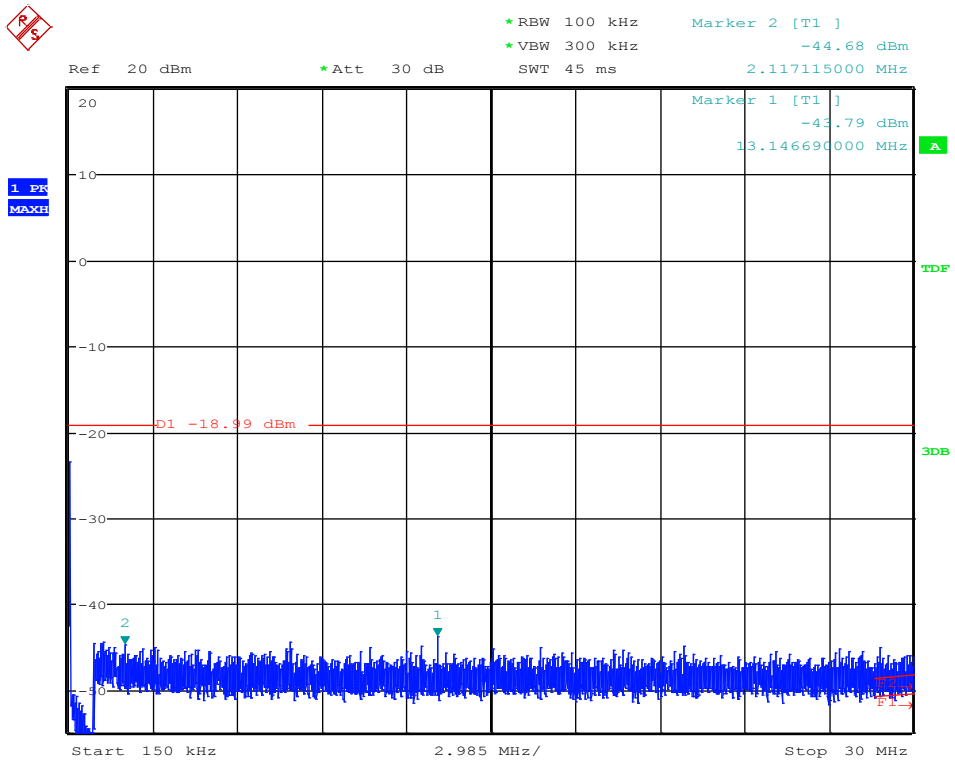
Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	300.000 kHz	<= 400.000 kHz
VBW	500.000 kHz	<= 900.000 kHz
SweepPoints	301	~ 267
Sweeptime	10.000 ms	10.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	AUTO
Detector	RMS	RMS
SweepCount	50	50
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	1.00 dB	1.00 dB
Run	13	no maximum
Stable	10 / 10	10
Max Stable Difference	0.45 dB	1.00 dB

1.5. 20dBc Conducted Spurious Emissions (n MIMO Mode)

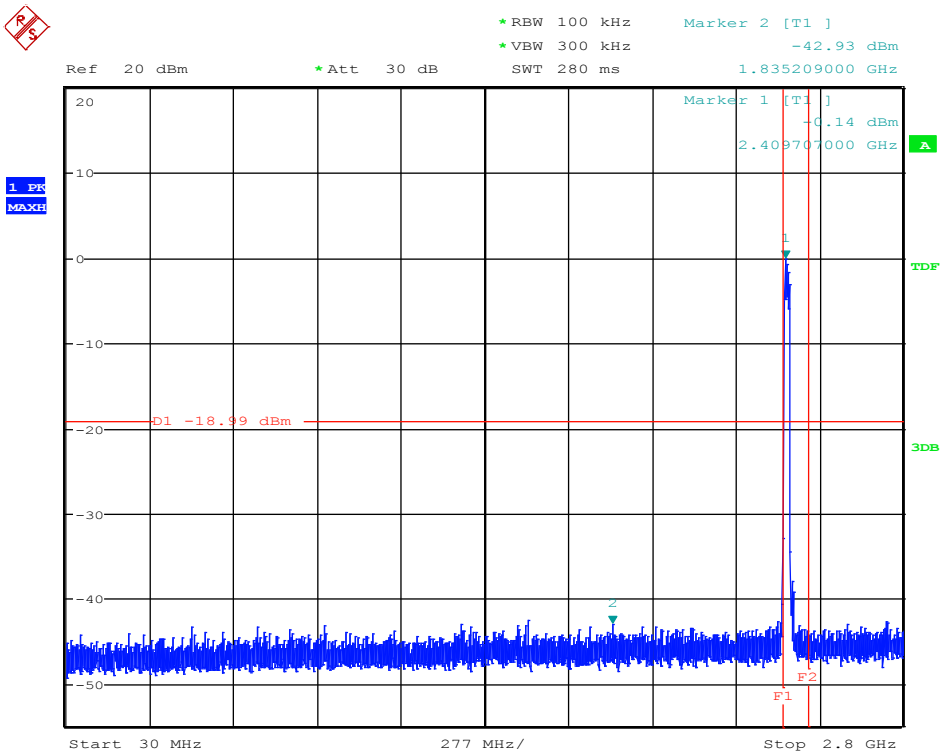
1.5.1. 20dBc Conducted Spurious Emissions on ANTENNA 1 (MAIN Antenna)



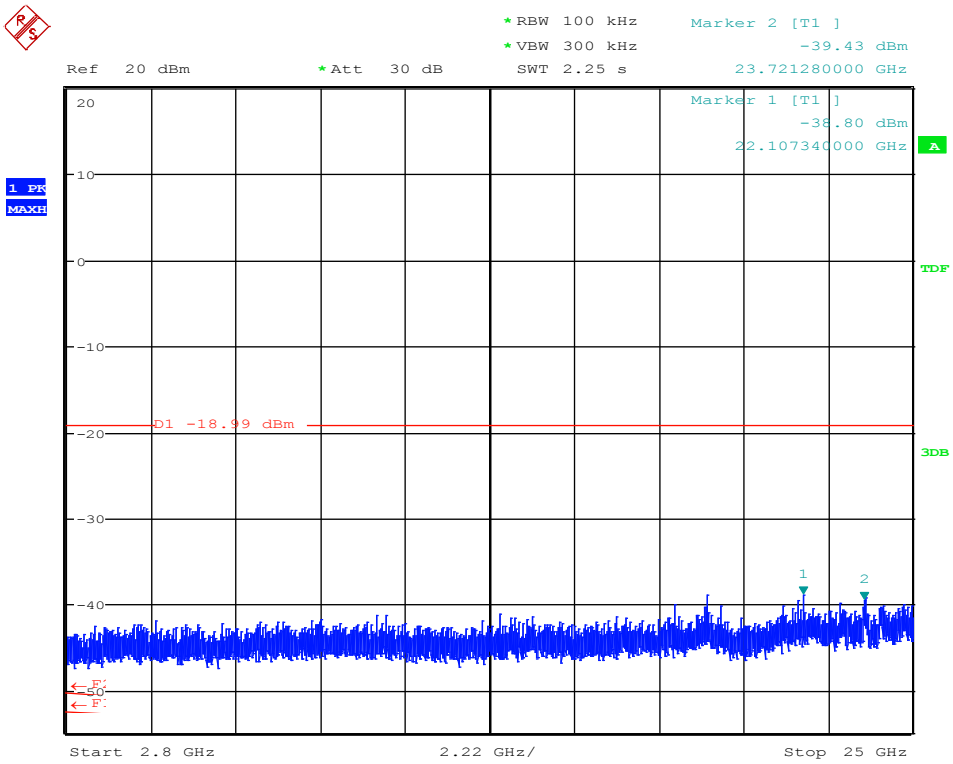
20dBc-nMIMO-ANT1-MCS13-Ch1+20dBm-Ref



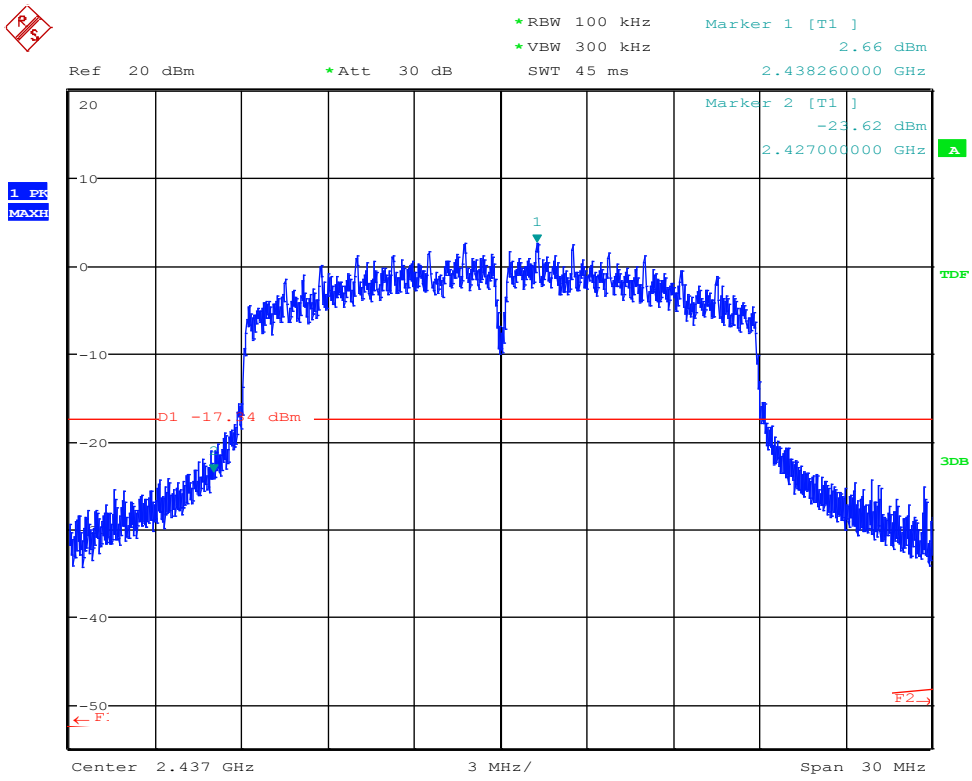
20dBc-nMIMO-ANT1-MCS13-Ch1+20dBm-0.15-30MHz



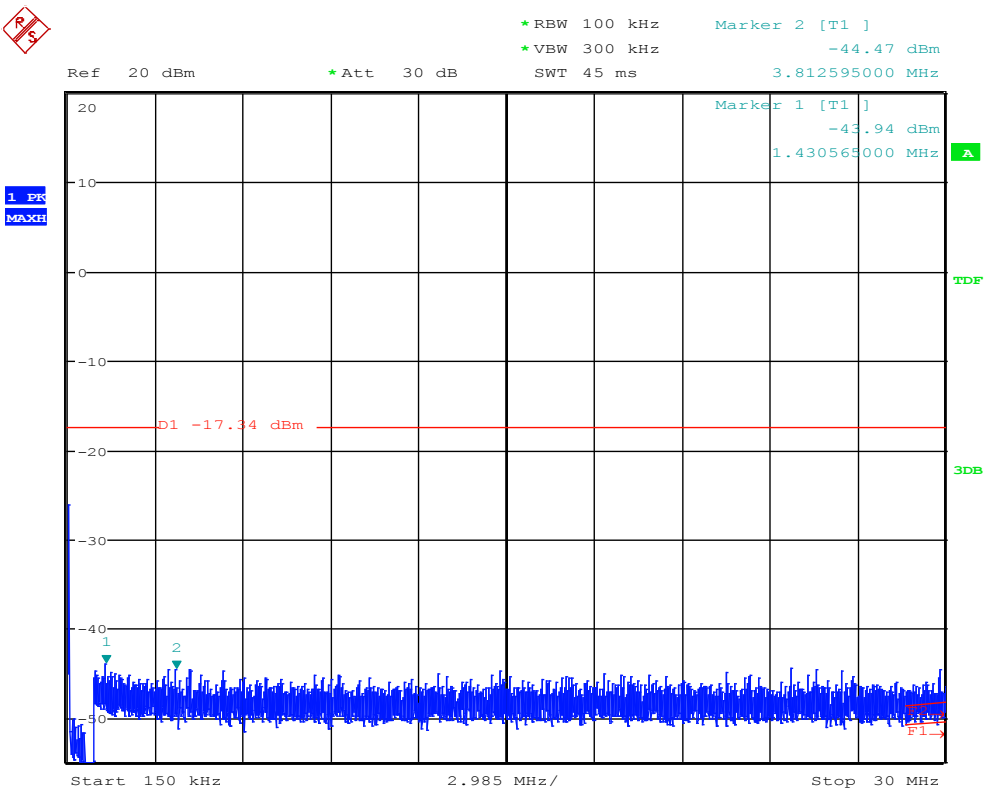
20dBc-nMIMO-ANT1-MCS13-Ch1+20dBm-30MHz-2.8GHz



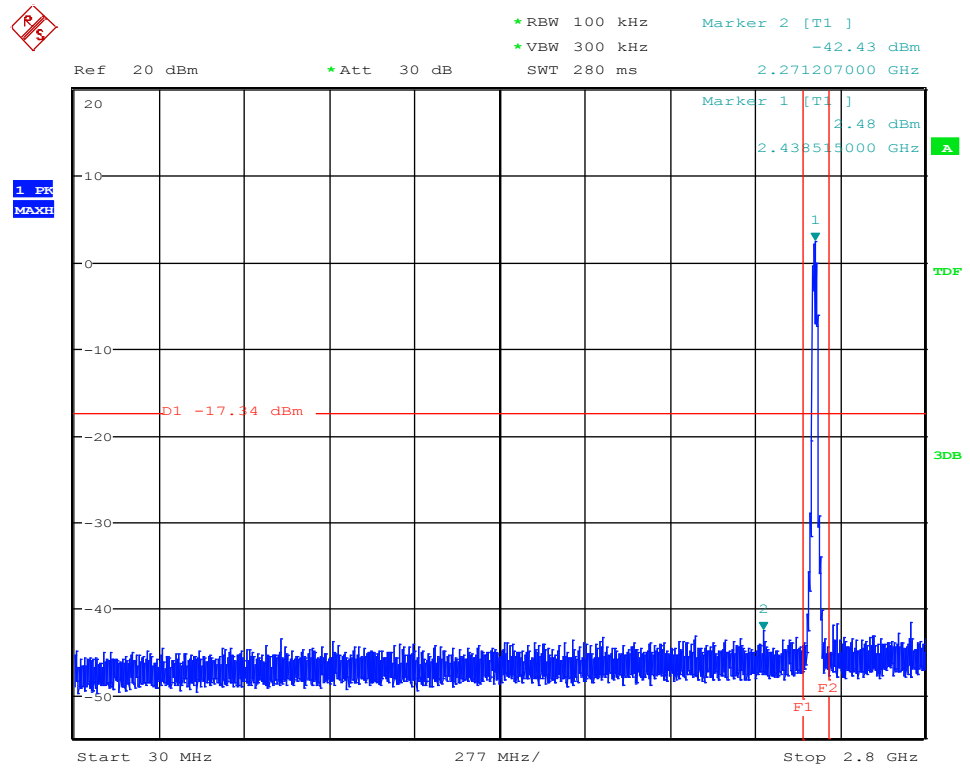
20dBc-nMIMO-ANT1-MCS13-Ch1+20dBm-2.8GHz-25GHz



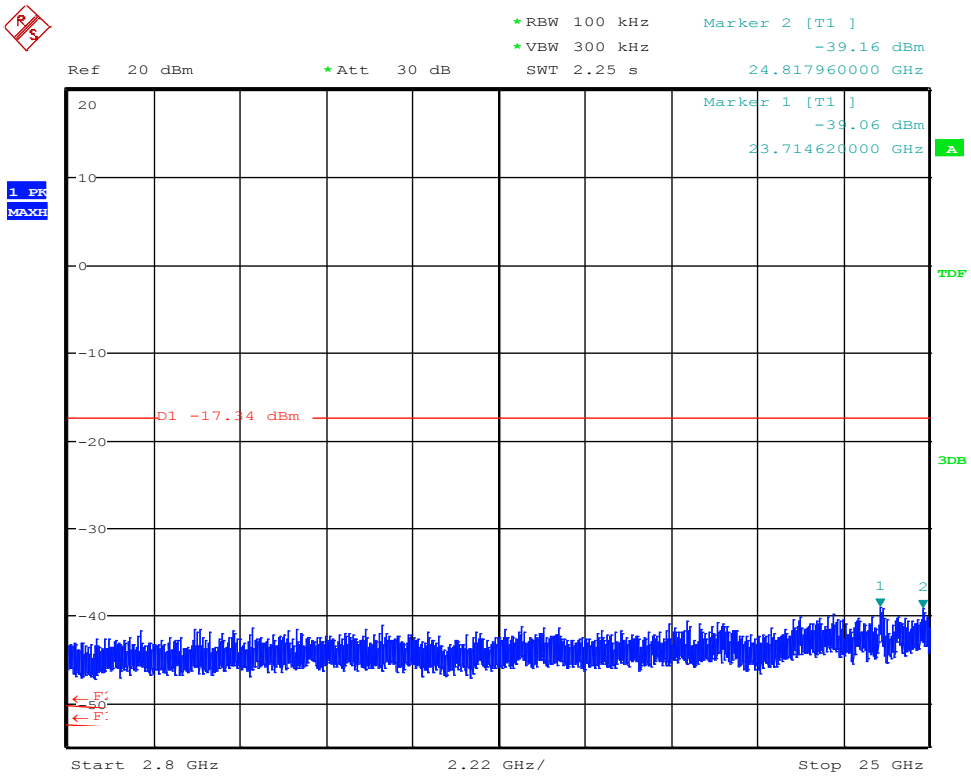
20dBc-nMIMO-ANT1-MCS13-Ch6+20dBm-Ref



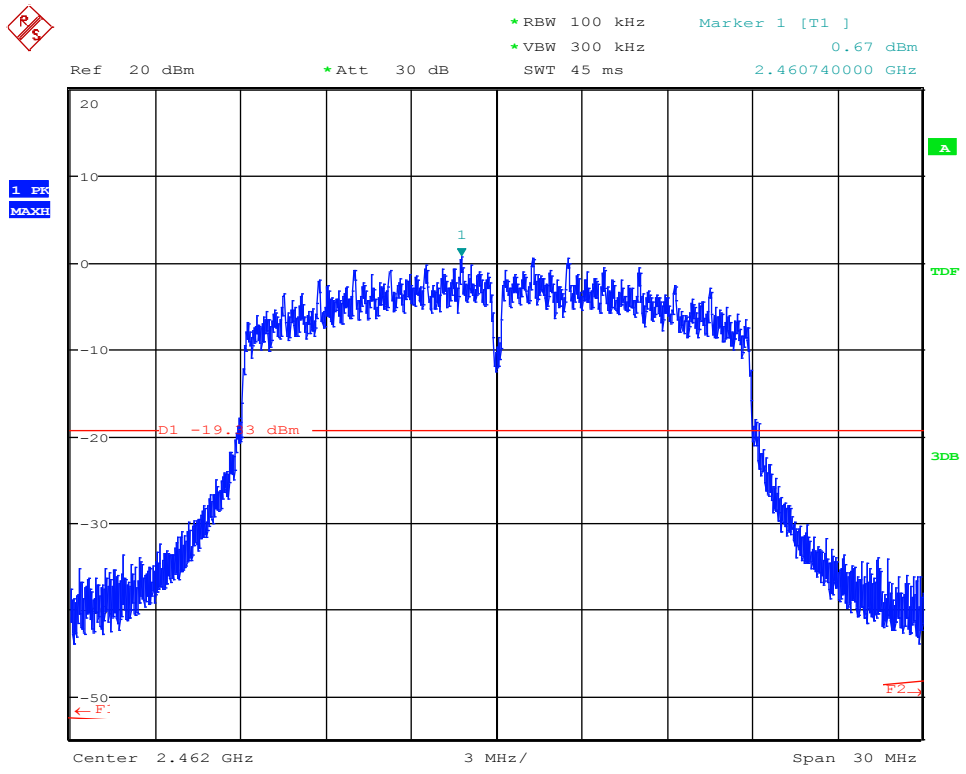
20dBc-nMIMO-ANT1-MCS13-Ch6+20dBm-0.15-30MHz



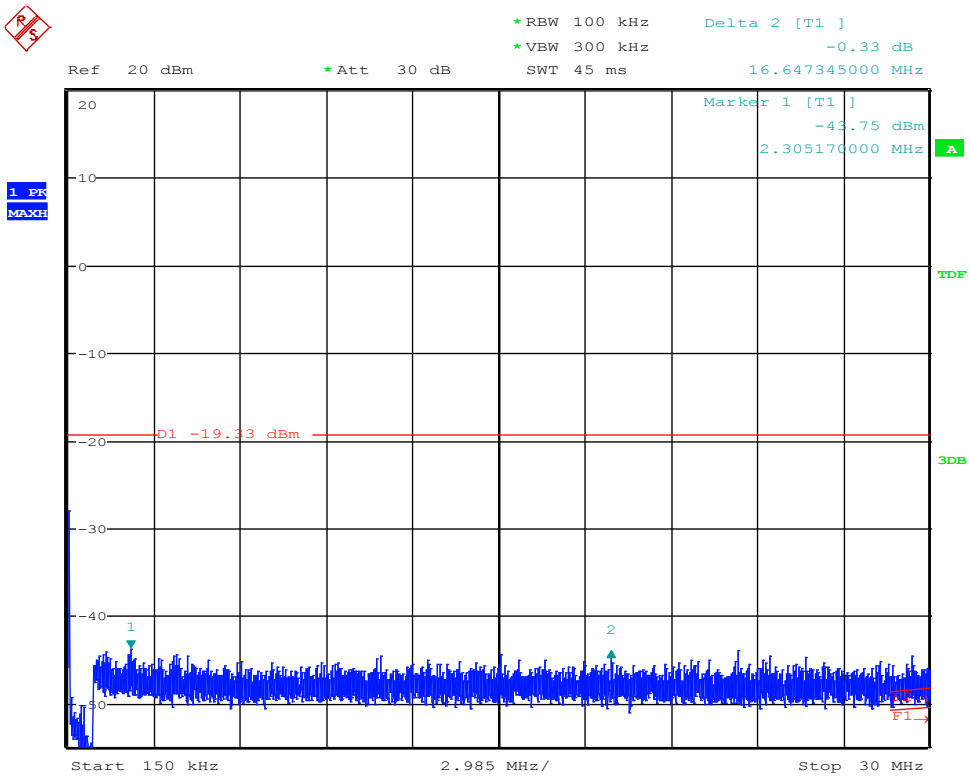
20dBc-nMIMO-ANT1-MCS13-Ch6+20dBm-30MHz-2.8GHz



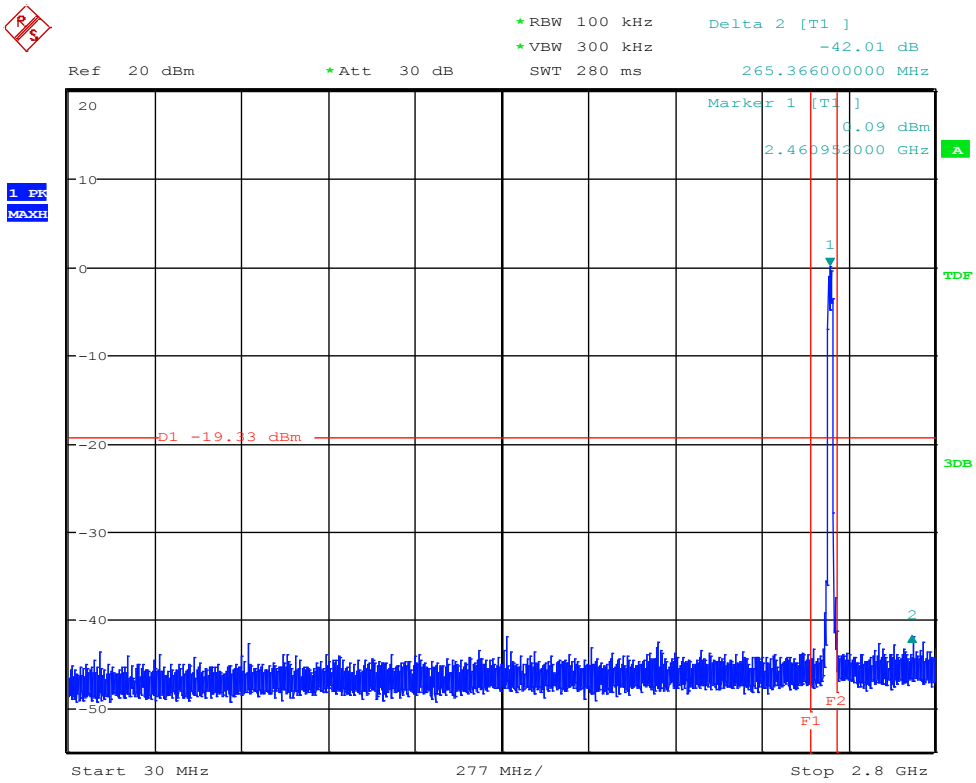
20dBc-nMIMO-ANT1-MCS13-Ch6+20dBm-2.8GHz-25GHz



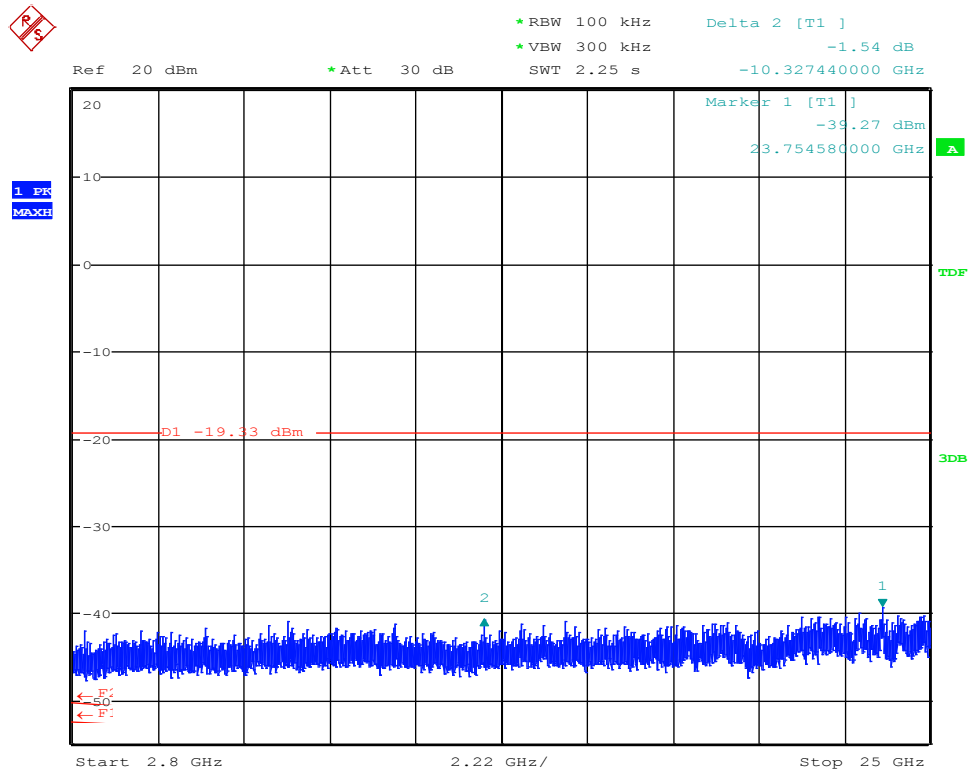
20dBc-nMIMO-ANT1-MCS13-Ch11+20dBm-Ref



20dBc-nMIMO-ANT1-MCS13-Ch11+20dBm-0.15-30MHz

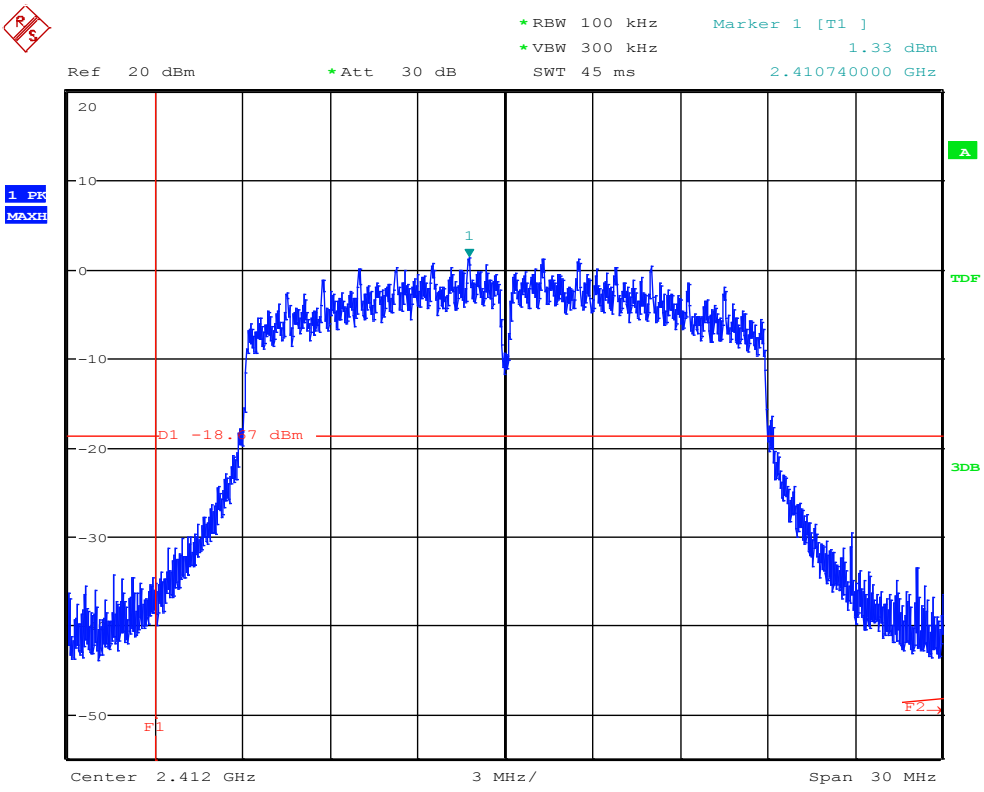


20dBc-nMIMO-ANT1-MCS13-Ch11+20dBm-30MHz-2.8GHz

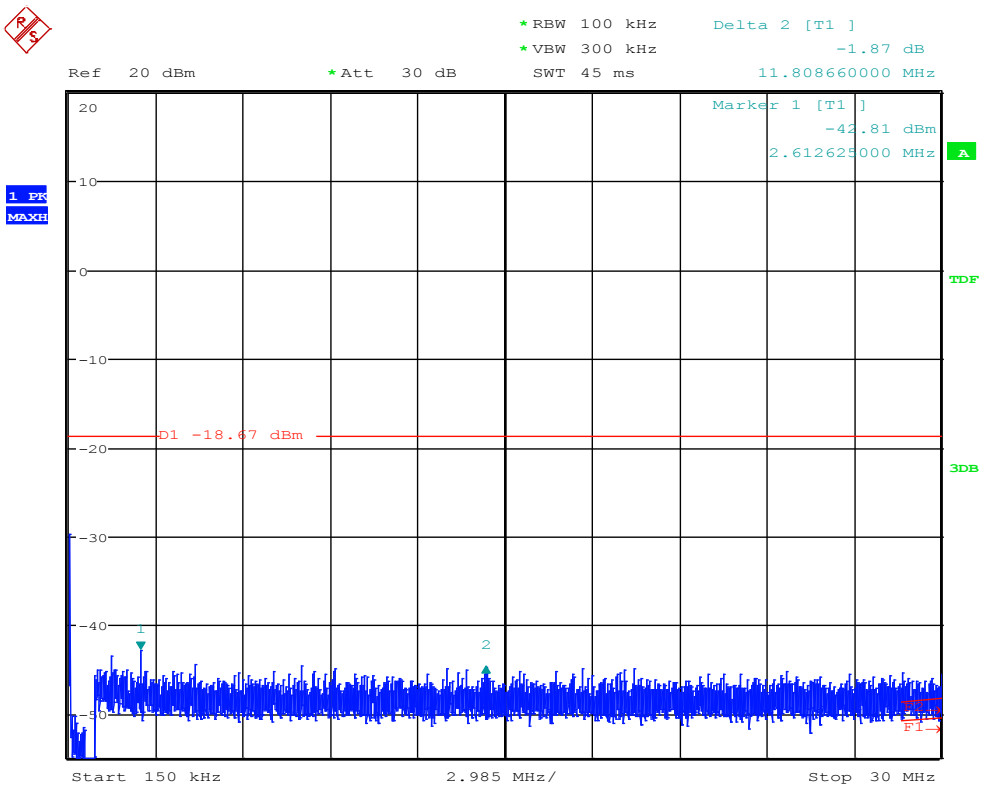


20dBc-nMIMO-ANT1-MCS13-Ch11+20dBm-2.8GHz-25GHz

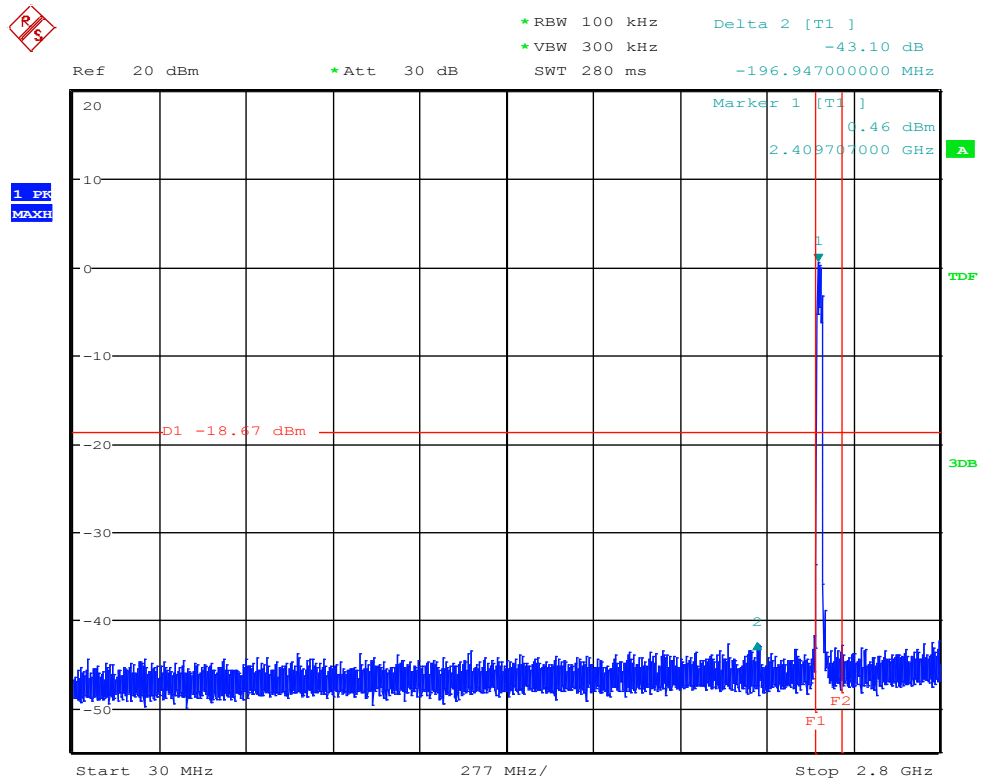
1.5.2. 20dBc Conducted Spurious Emissions on ANTENNA 2 (AUX Antenna)



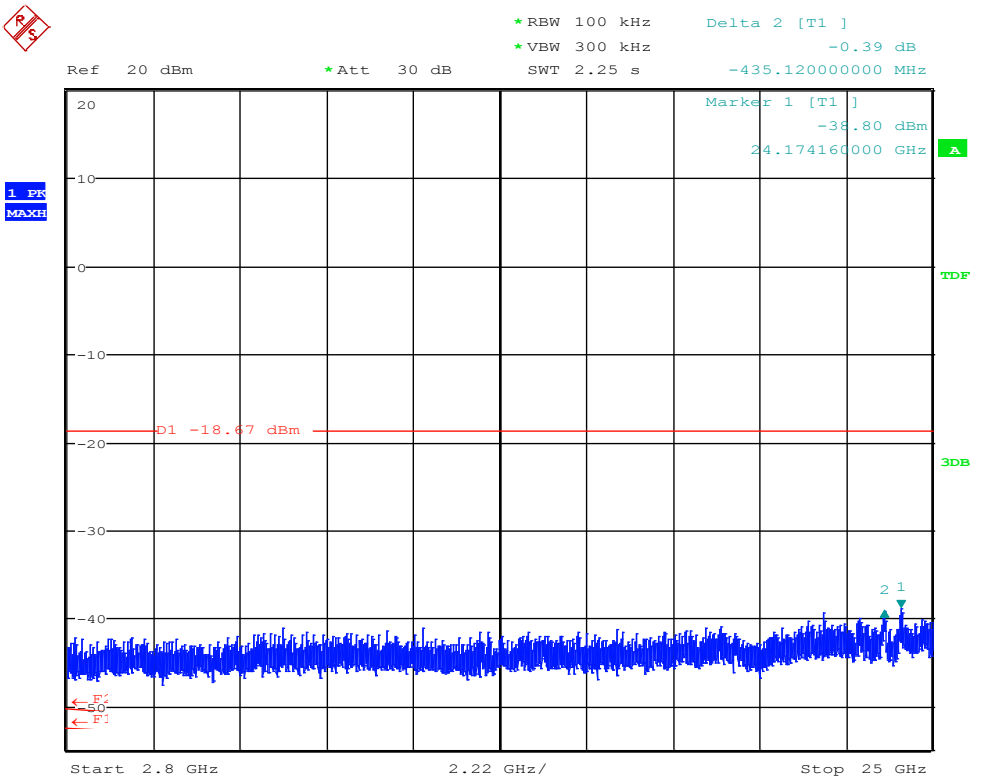
20dBc-nMIMO-ANT2-MCS13-Ch1+20dBm-Ref



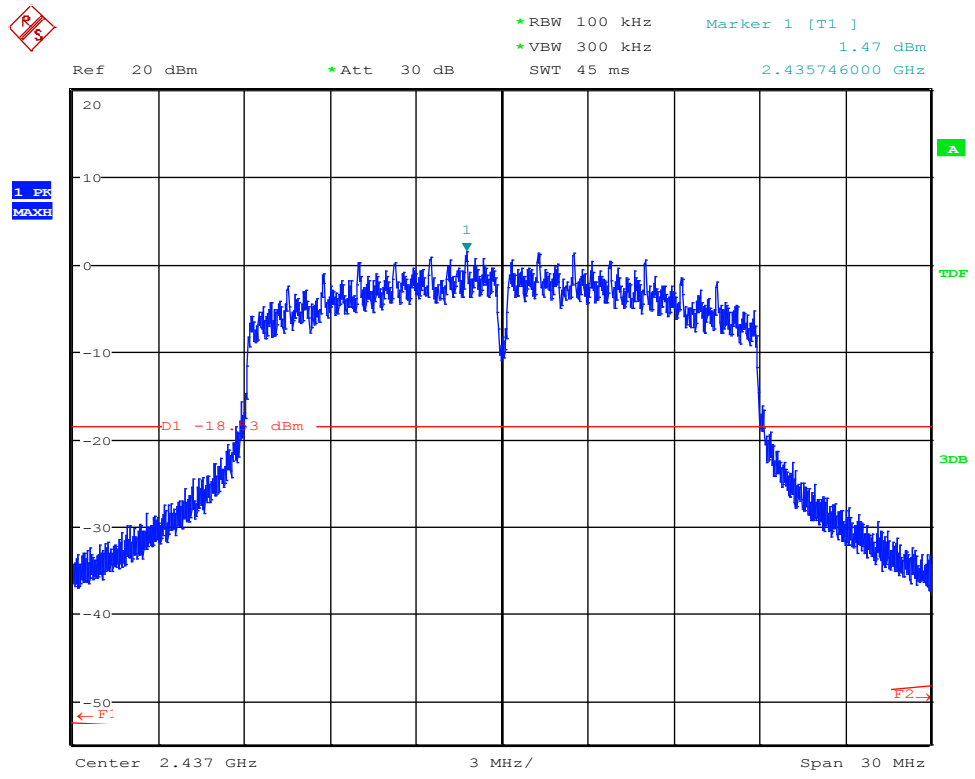
20dBc-nMIMO-ANT2-MCS13-Ch1+20dBm-0.15-30MHz



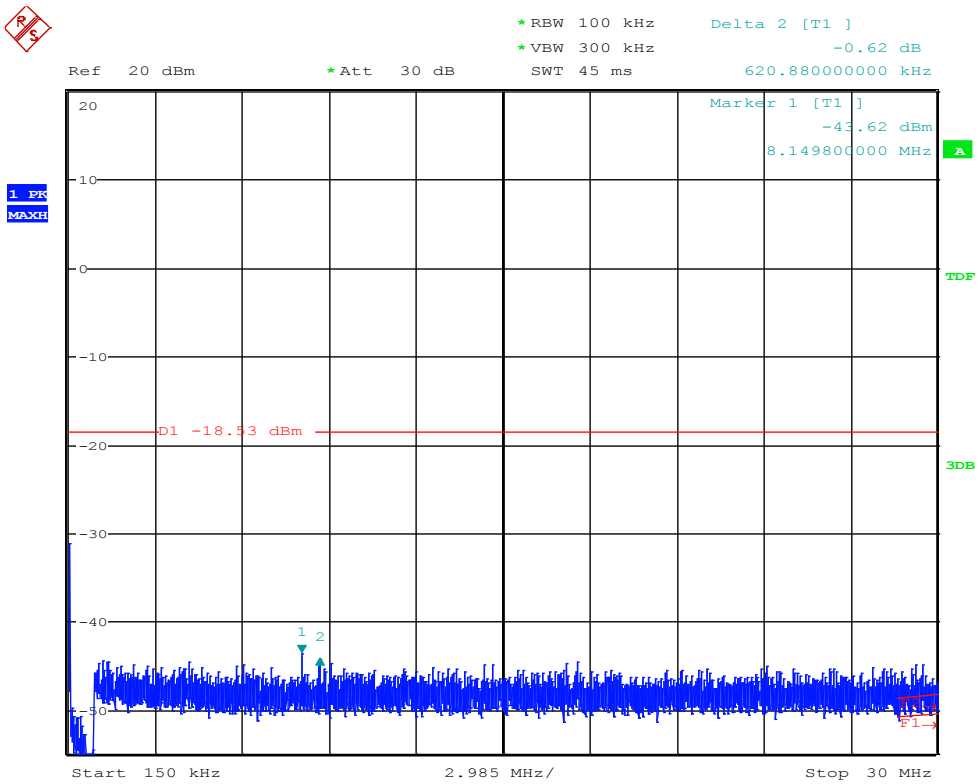
20dBc-nMIMO-ANT2-MCS13-Ch1+20dBm-30MHz-2.8GHz



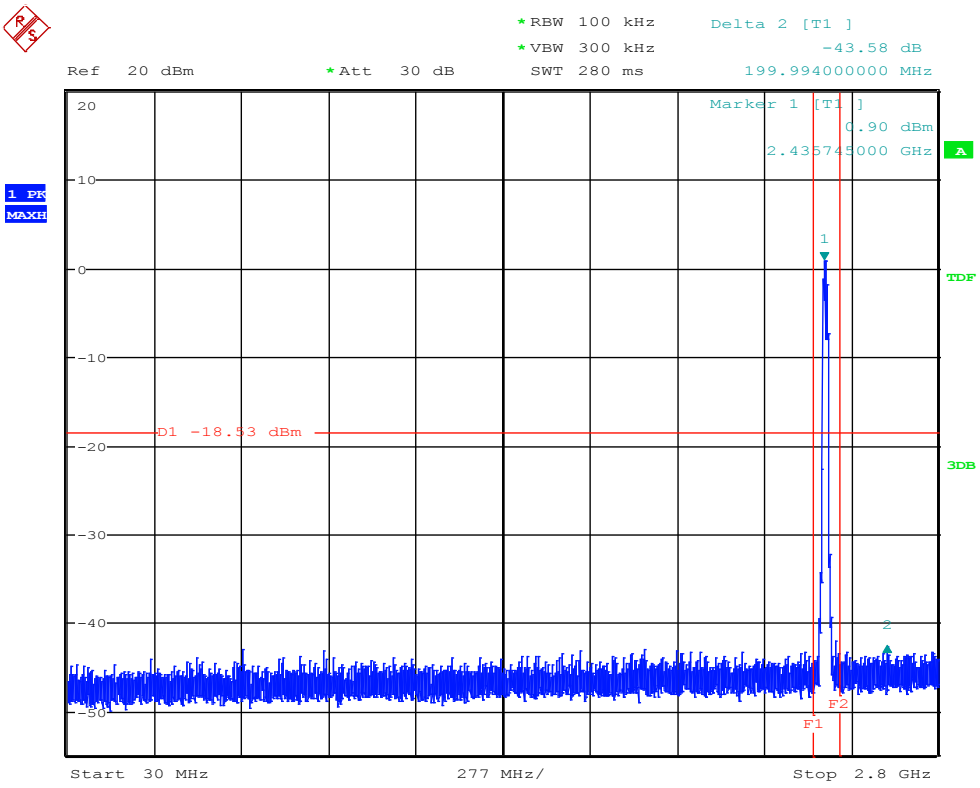
20dBc-nMIMO-ANT2-MCS13-Ch1+20dBm-2.8GHz-25GHz



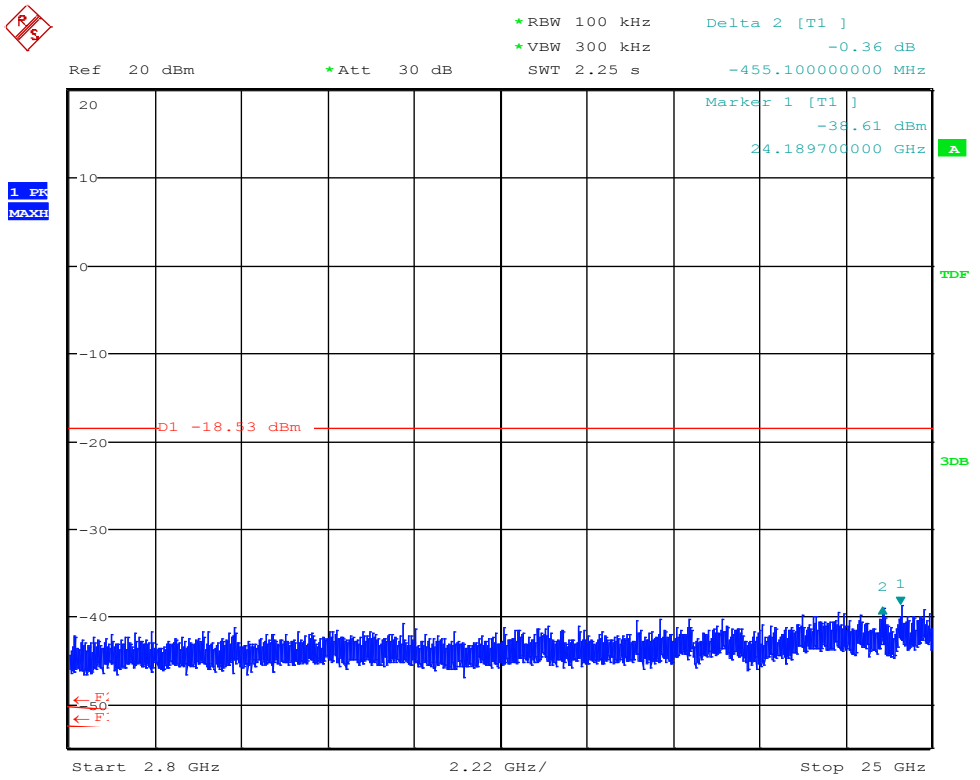
20dBc-nMIMO-ANT2-MCS13-Ch6+20dBm-Ref



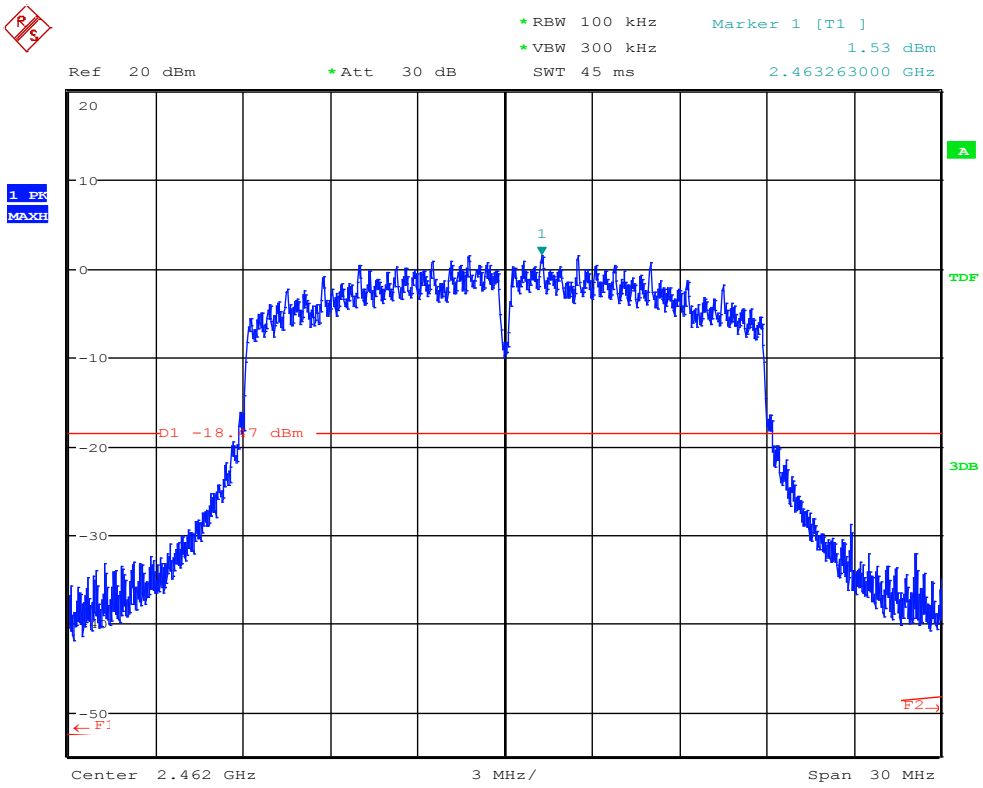
20dBc-nMIMO-ANT2-MCS13-Ch6+20dBm-0.15-30MHz



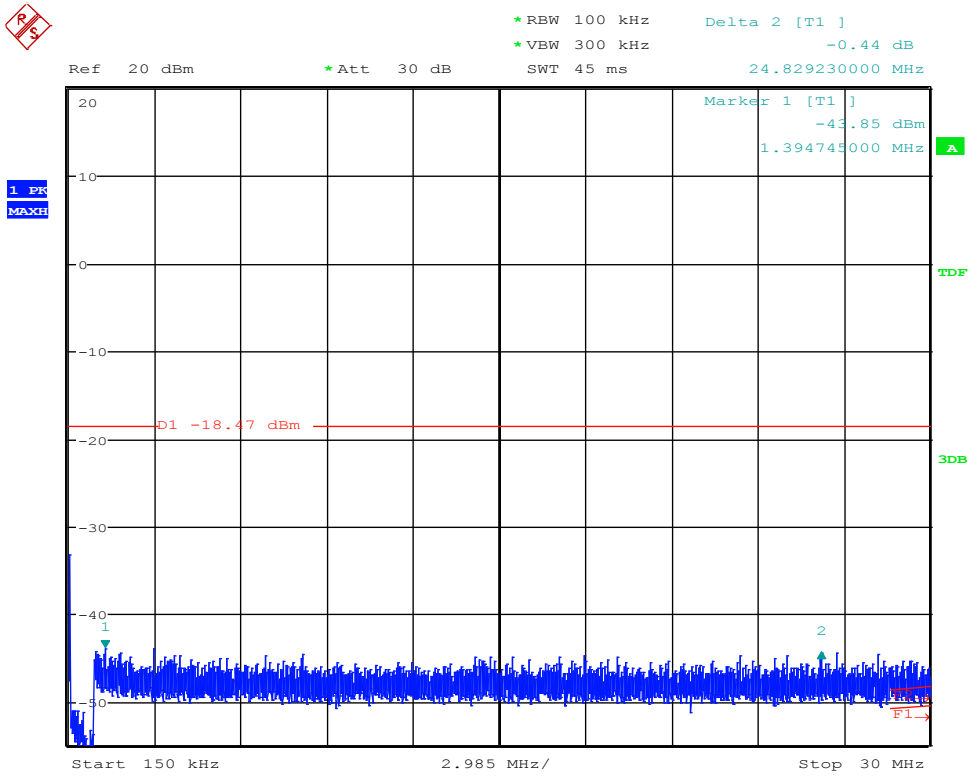
20dBc-nMIMO-ANT2-MCS13-Ch6+20dBm-30MHz-2.8GHz



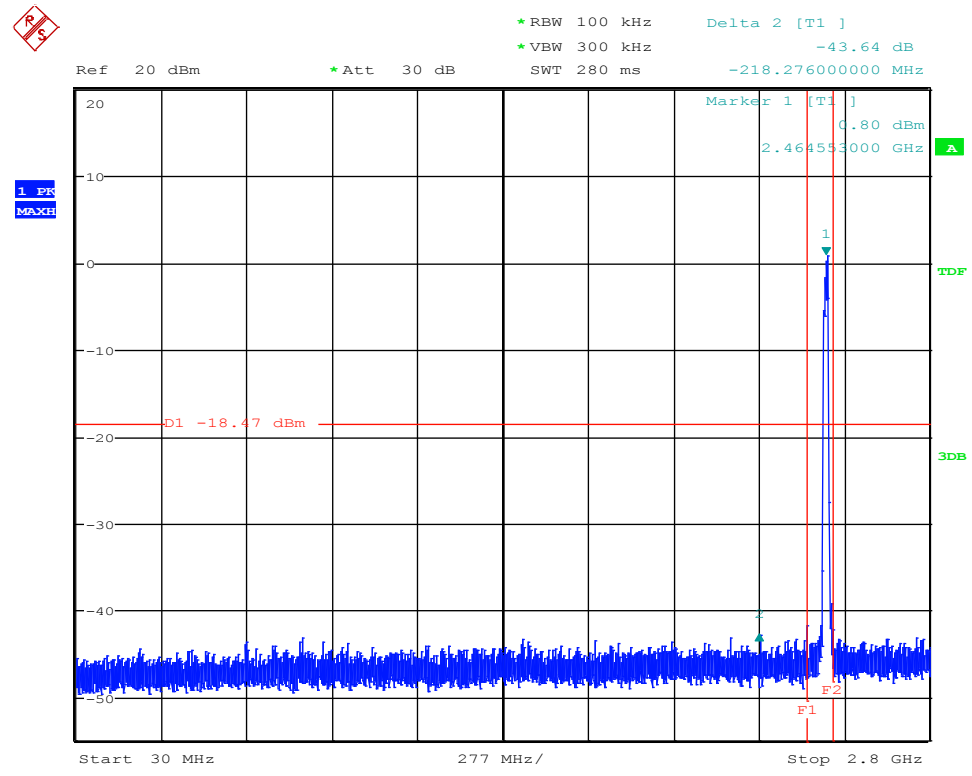
20dBc-nMIMO-ANT2-MCS13-Ch6+20dBm-2.8GHz-25GHz



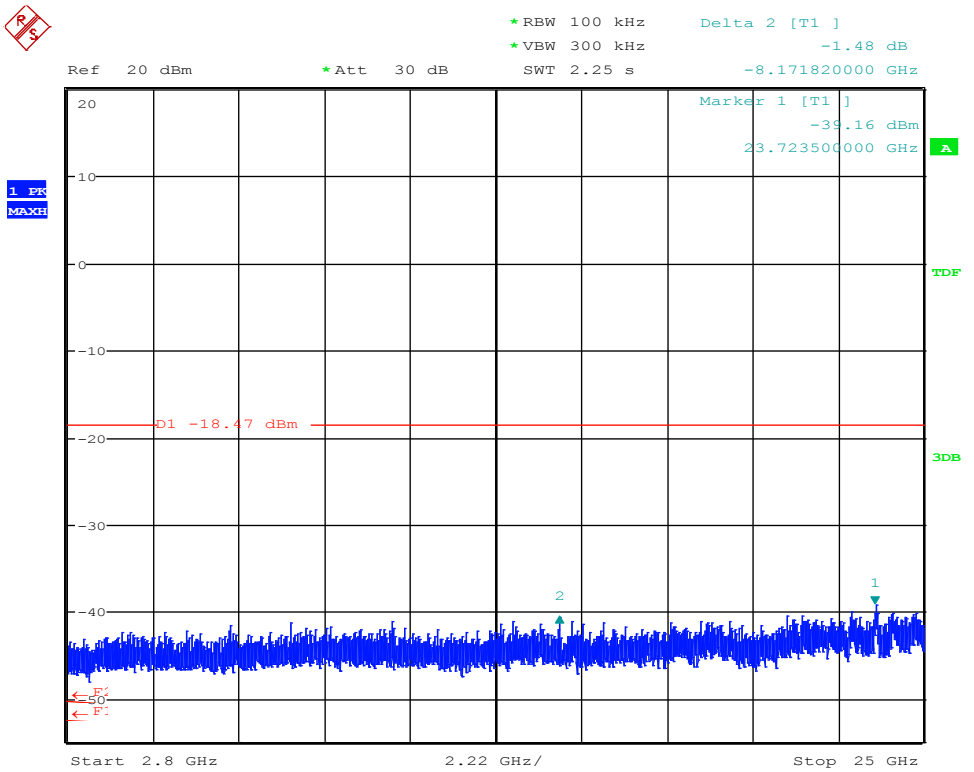
20dBc-nMIMO-ANT2-MCS13-Ch11+20dBm-Ref



20dBc-nMIMO-ANT2-MCS13-Ch11+20dBm-0.15-30MHz



20dBc-nMIMO-ANT2-MCS13-Ch11+20dBm-30MHz-2.8GHz



20dBc-nMIMO-ANT2-MCS13-Ch11+20dBm-2.8GHz-25GHz

2. Radiated Field Strength Measurements

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

Diagram No. 2.01_FALCON X4-WLAN2.4 GHz-TX-bMode-SISO-20MHz- 11Mbit-Ch11+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 15.247/15.209/15.205
Operator:	AFr
Operating conditions:	Continuous TX - b Mode-SISO-B.W. 20 MHz-11Mbit-Ch 11 (2462 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)

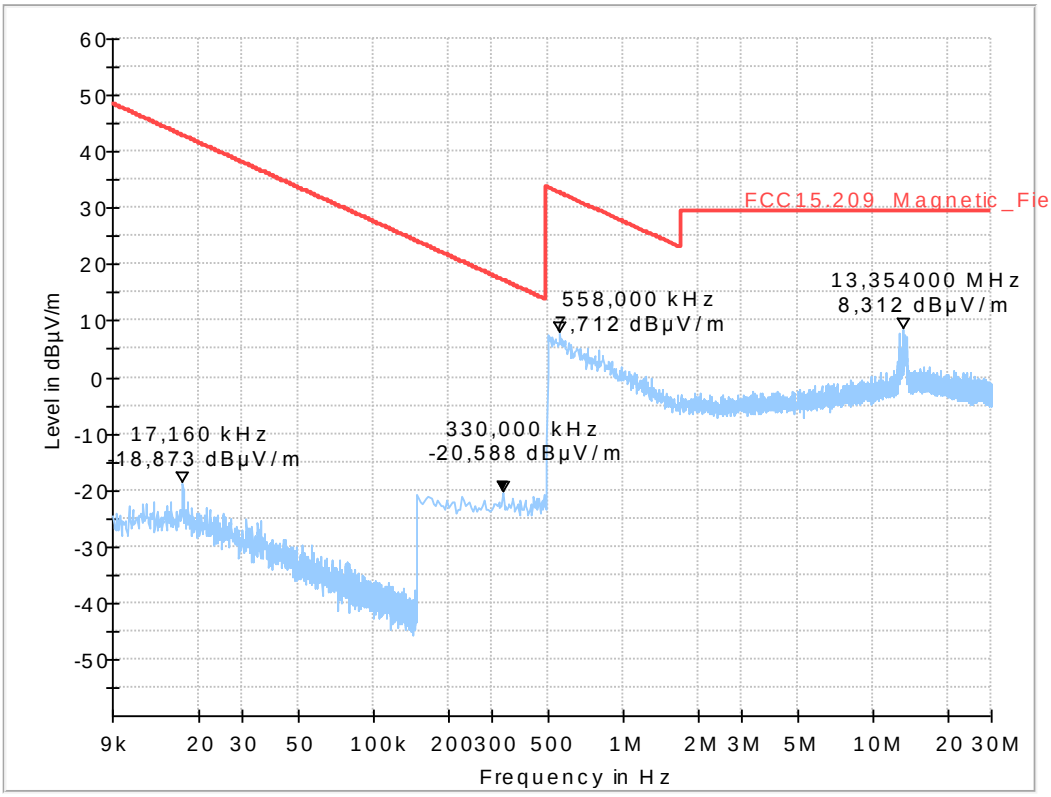


Diagram No. 2.02_FALCON X4-WLAN2.4 GHz-TX-gMode-SISO-20MHz-12Mbit-Ch6+20dBm

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 15.247/15.209/15.205
Operator:	AFr
Operating conditions:	Continuous TX - g Mode-SISO-B.W. 20 MHz-12Mbit-Ch 6 (2437 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)

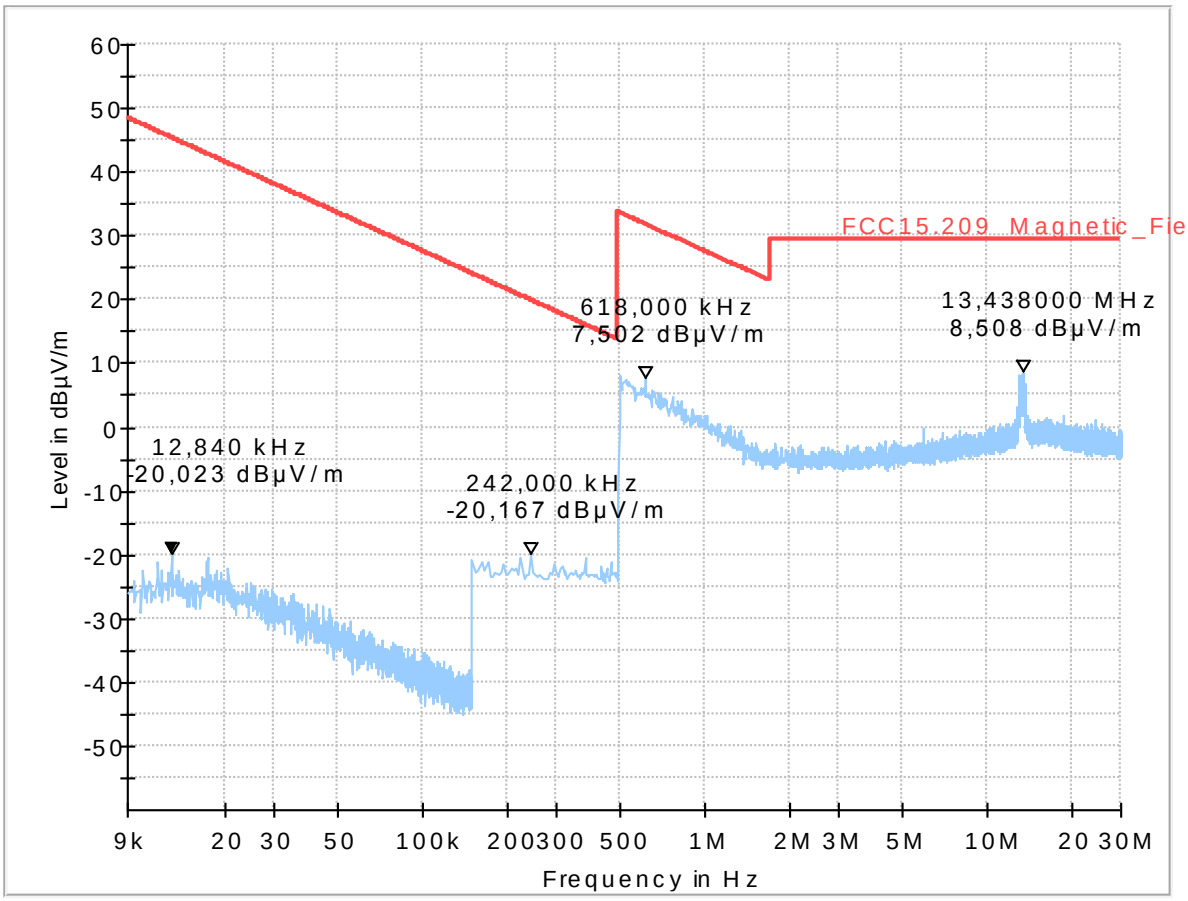


Diagram No. 2.03_FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz-MCS3-Ch1+20dBm

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 15.247/15.209/15.205
Operator:	AFr
Operating conditions:	Continuous TX - n Mode-SISO-B.W. 20 MHz-MCS3-Ch 1 (2412 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 | L

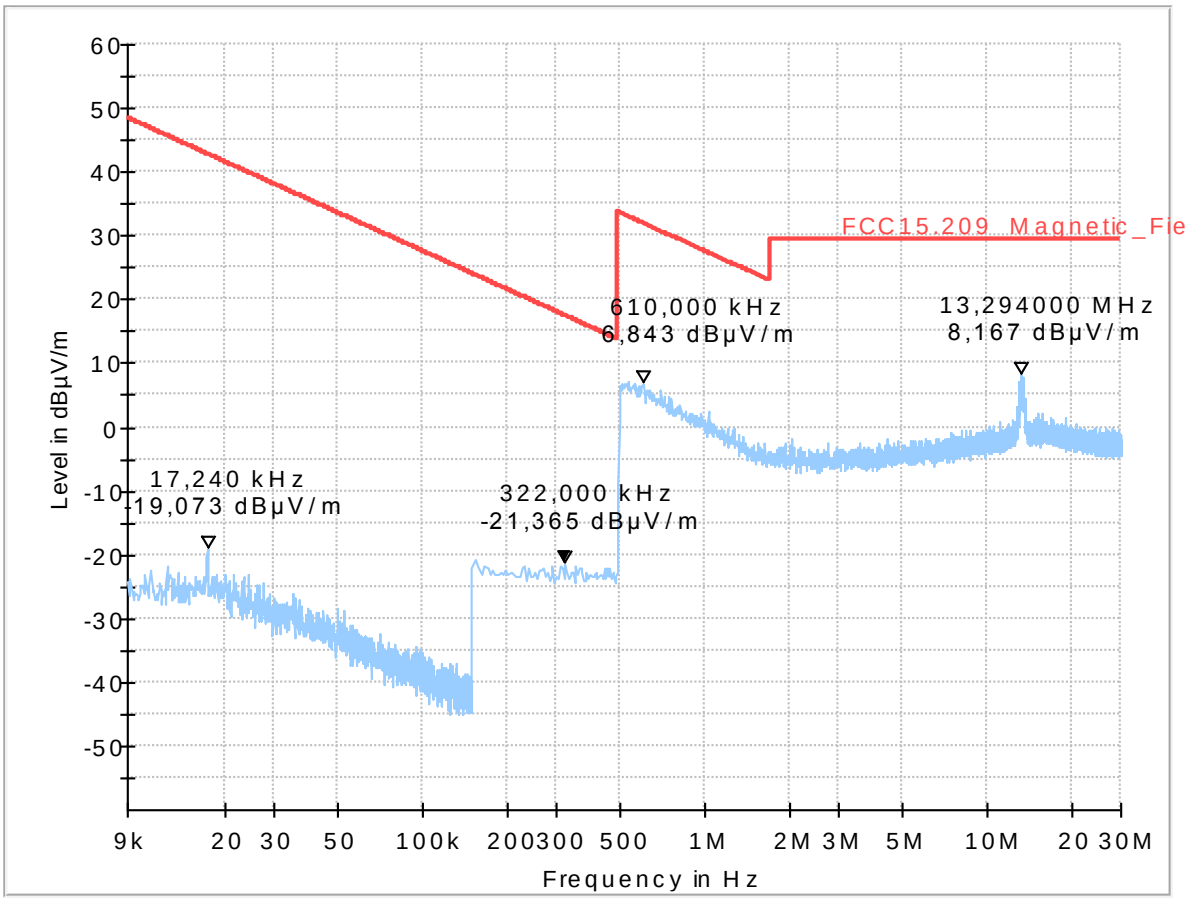


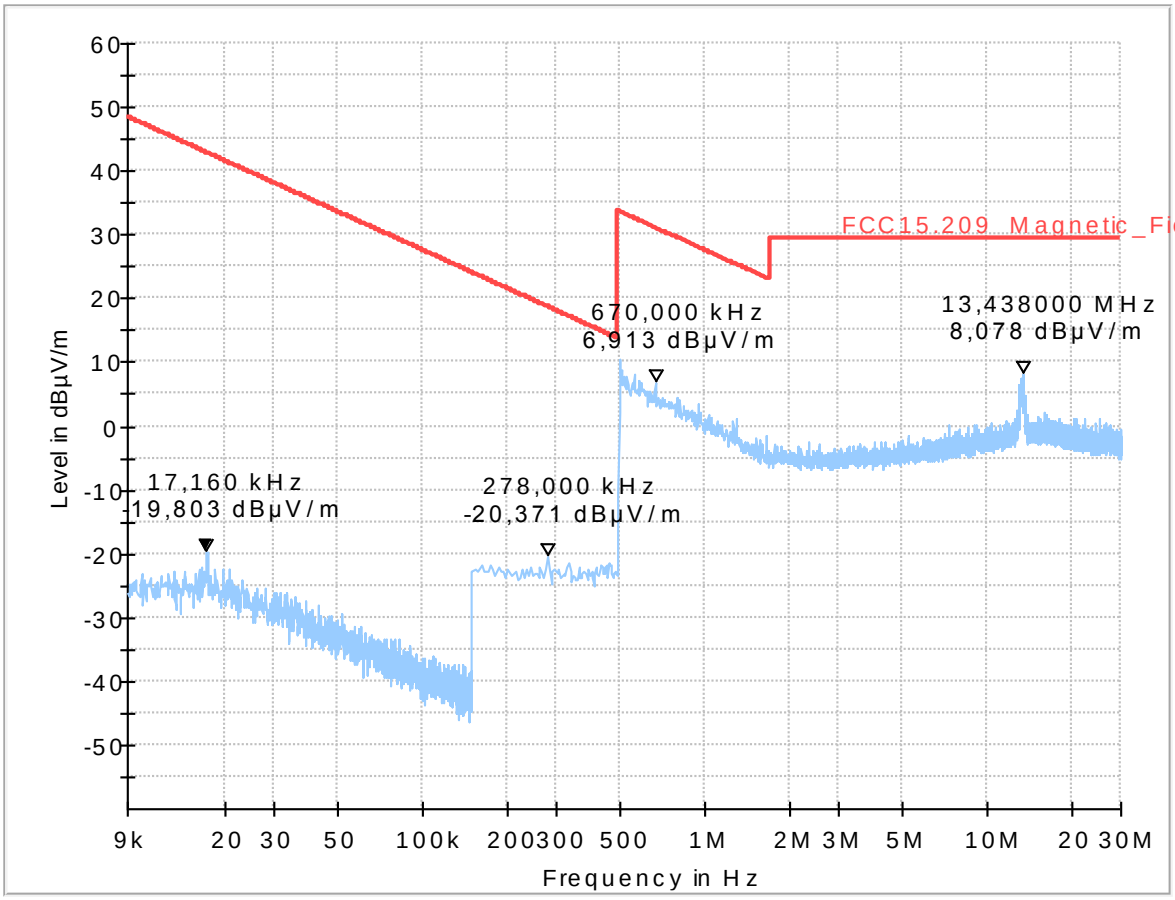
Diagram No. 2.04_FALCON X4-WLAN2.4 GHz-TX-nMode-MIMO-20MHz-MCS13-Ch11+20dBm

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 15.247/15.209/15.205; RSS-Gen., Issue 4
Operator:	AFr
Operating conditions:	Continuous TX - n Mode-MIMO-B.W. 20 MHz- MCS13-Ch 11 (2462 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. 3.01_FALCON X4-WLAN2.4 GHz-TX-bMode-SISO-20MHz- 11Mbit-Ch11+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 15.247/15.209/15.205
Operator:	SLo
Operating conditions:	Continuous TX - b Mode-SISO-B.W. 20 MHz-11 Mbit-Ch 11 (2462 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)

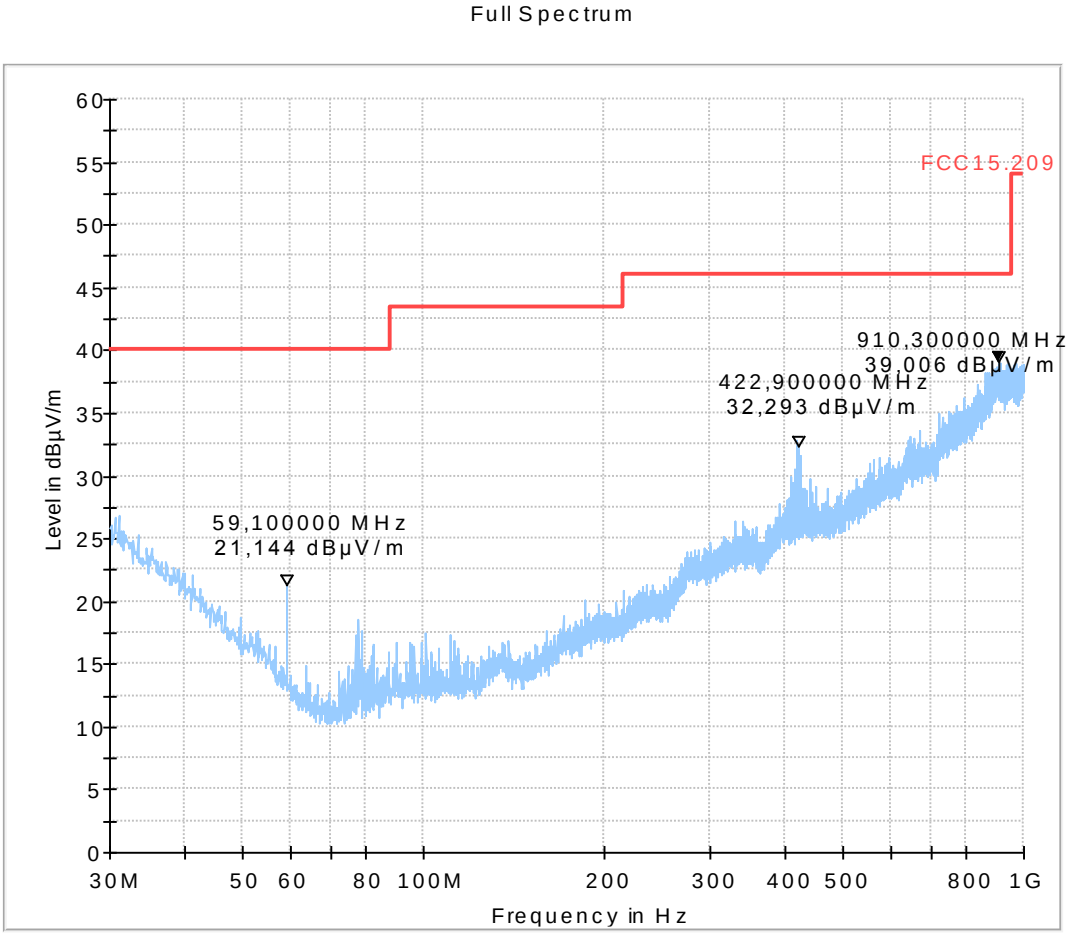


Diagram No. 3.02_FALCON X4-WLAN2.4 GHz-TX-gMode-SISO-20MHz-12Mbit-Ch6+20dBm

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 15.247/15.209/15.205
Operator:	SLo
Operating conditions:	Continuous TX - g Mode-SISO-B.W. 20 MHz-12 Mbit-Ch 6 (2437 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

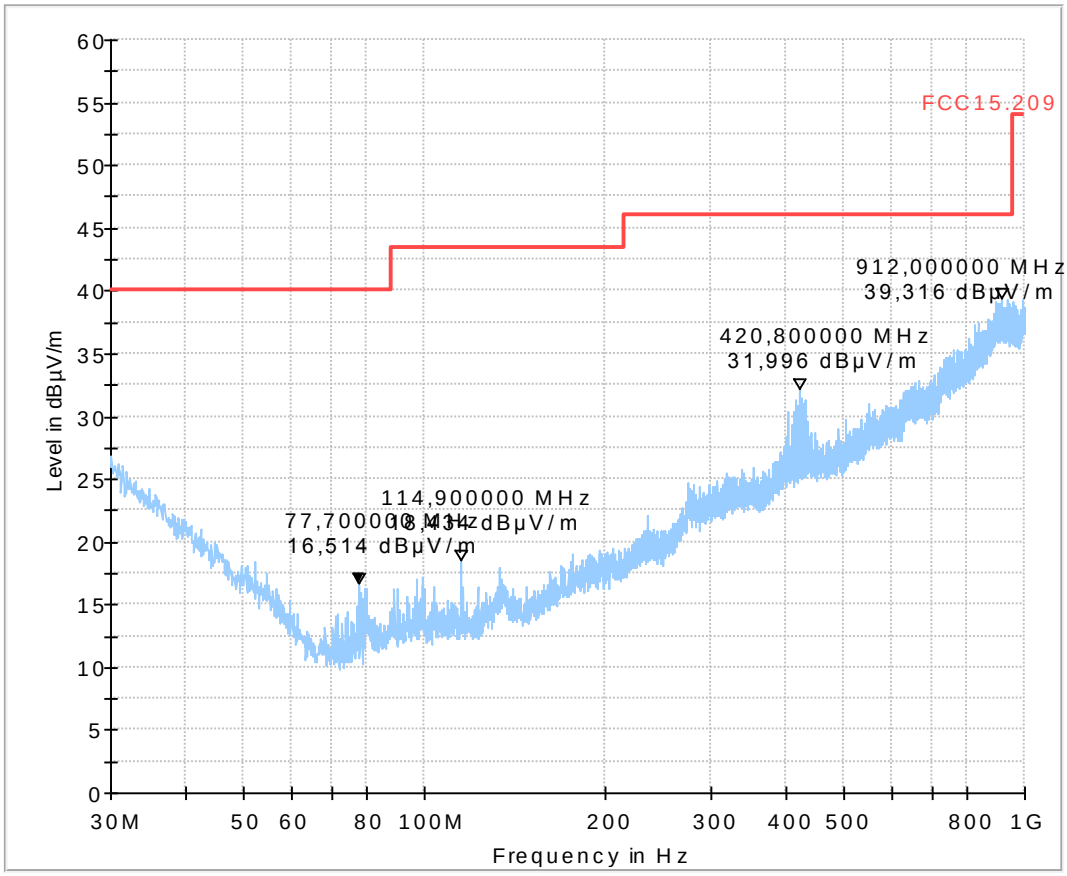


Diagram No. 3.03_FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz-MCS3-Ch1+20dBm

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 15.247/15.209/15.205
Operator:	SLo
Operating conditions:	Continuous TX - n Mode-SISO-B.W. 20 MHz-MCS3-Ch 1 (2412 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)

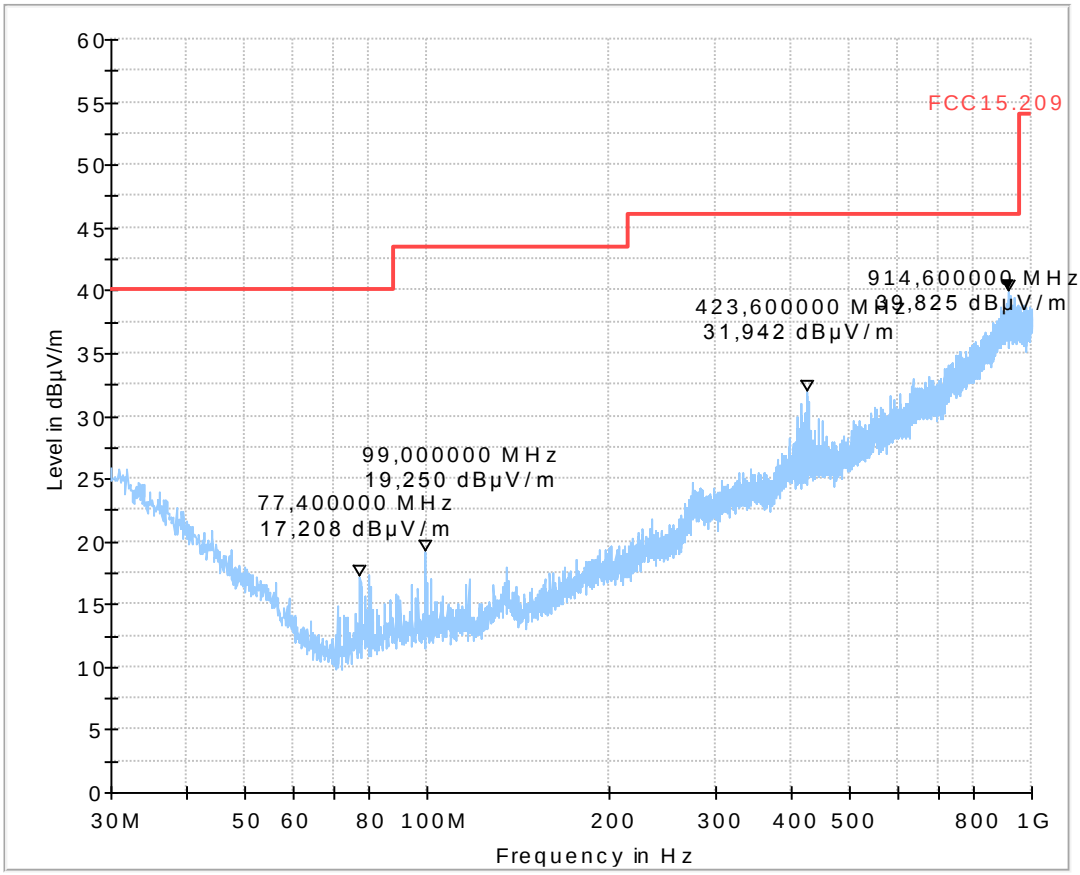


Diagram No. 3.04_FALCON X4-WLAN2.4 GHz-TX-nMode-MIMO-20MHz-MCS13-Ch11+20dBm

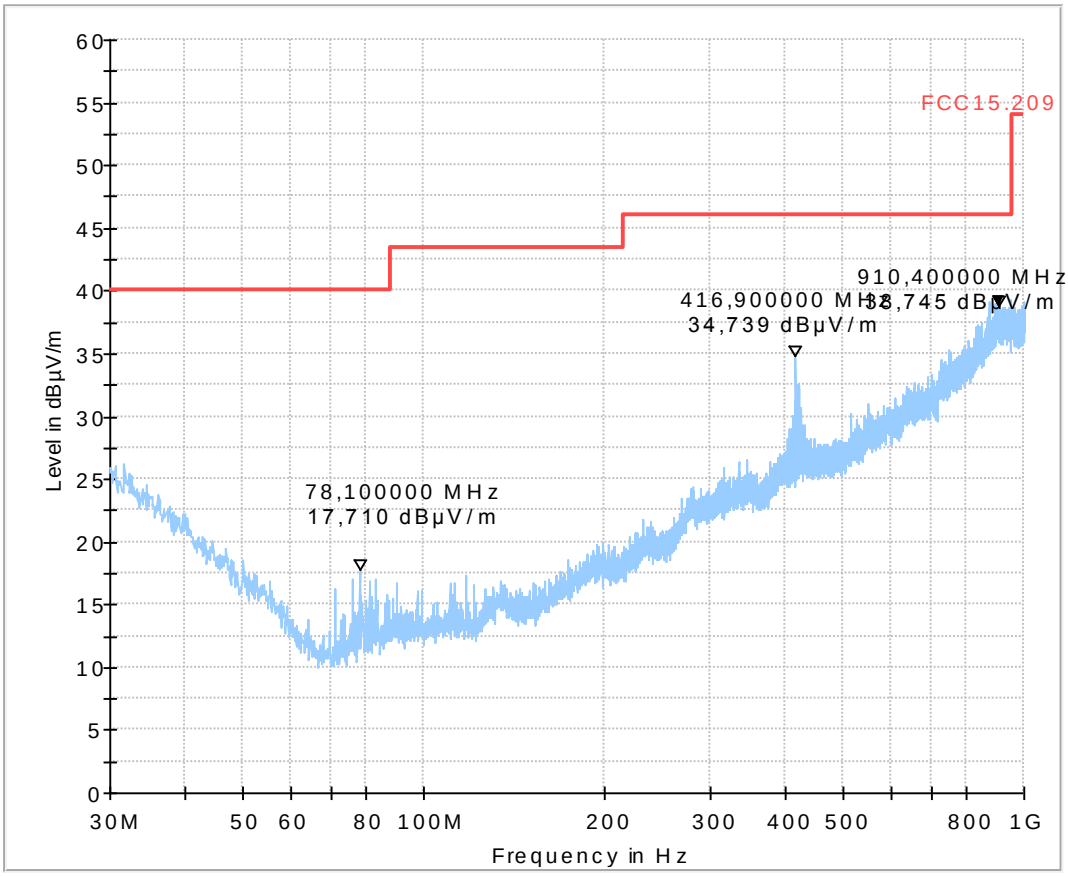
Common Information

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 15.247/15.209/15.205
Operator:	SLo
Operating conditions:	Continuous TX - n Mode-MIMO-B.W. 20 MHz- MCS13-Ch 11 (2462 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 18 GHz

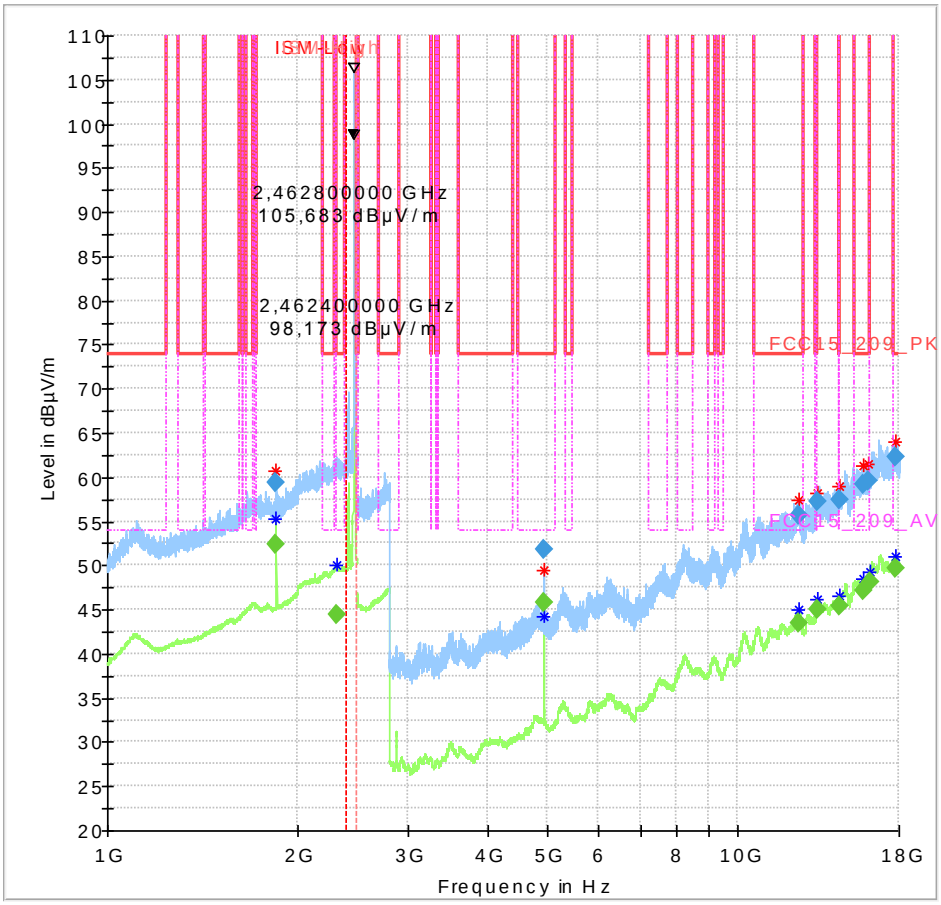
Diagram No.: 4.01_FALCON X4-WLAN2.4 GHz-TX-bMode-SISO-20MHz- 11Mbit-Ch11+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - b Mode-SISO-B.W. 20 MHz-11 Mbit-Ch 11 (2462 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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1853.200000	---	52,78	150.00	97.22	100.0	1000.000	155.0	V	222.0
1853.200000	59.32	---	150.00	90.68	100.0	1000.000	155.0	H	278.0
2310.040000	---	44,78	54.00	9.22	100.0	1000.000	155.0	H	251.0
4924.000000	51.88	---	74.00	22.12	100.0	1000.000	155.0	V	237.0
4924.000000	---	46,15	54.00	7.85	100.0	1000.000	155.0	V	237.0
12489.880000	55.76	---	74.00	18.24	100.0	1000.000	155.0	V	170.0
12502.600000	---	43,82	54.00	10.18	100.0	1000.000	155.0	H	303.0
13367.200000	57.25	---	74.00	16.75	100.0	1000.000	155.0	H	63.0
13385.600000	---	45,25	54.00	8.75	100.0	1000.000	155.0	H	297.0
14490.760000	57.43	---	74.00	16.57	100.0	1000.000	155.0	V	254.0
14491.800000	---	45,66	54.00	8.34	100.0	1000.000	155.0	H	218.0
15796.760000	59.12	---	74.00	14.88	100.0	1000.000	155.0	H	-13.0
15802.440000	---	47,40	54.00	6.60	100.0	1000.000	155.0	V	49.0
16062.280000	59.64	---	74.00	14.36	100.0	1000.000	155.0	H	111.0
16198.800000	---	48,48	54.00	5.52	100.0	1000.000	155.0	H	248.0
17773.640000	---	50,03	54.00	3.97	100.0	1000.000	155.0	V	311.0
17775.720000	62.29	---	74.00	11.71	100.0	1000.000	155.0	H	87.0

Frequency (MHz)	Elevation (deg)	Corr. (dB)
1853.200000	0.0	32.4
1853.200000	90.0	32.4
2310.040000	0.0	35.8
4924.000000	0.0	4.5
4924.000000	0.0	4.5
12489.880000	90.0	20.1
12502.600000	0.0	20.1
13367.200000	0.0	20.6
13385.600000	90.0	20.7
14490.760000	90.0	22.9
14491.800000	90.0	22.9
15796.760000	90.0	24.2
15802.440000	0.0	24.2
16062.280000	0.0	24.3
16198.800000	0.0	25.0
17773.640000	90.0	26.5
17775.720000	90.0	26.5

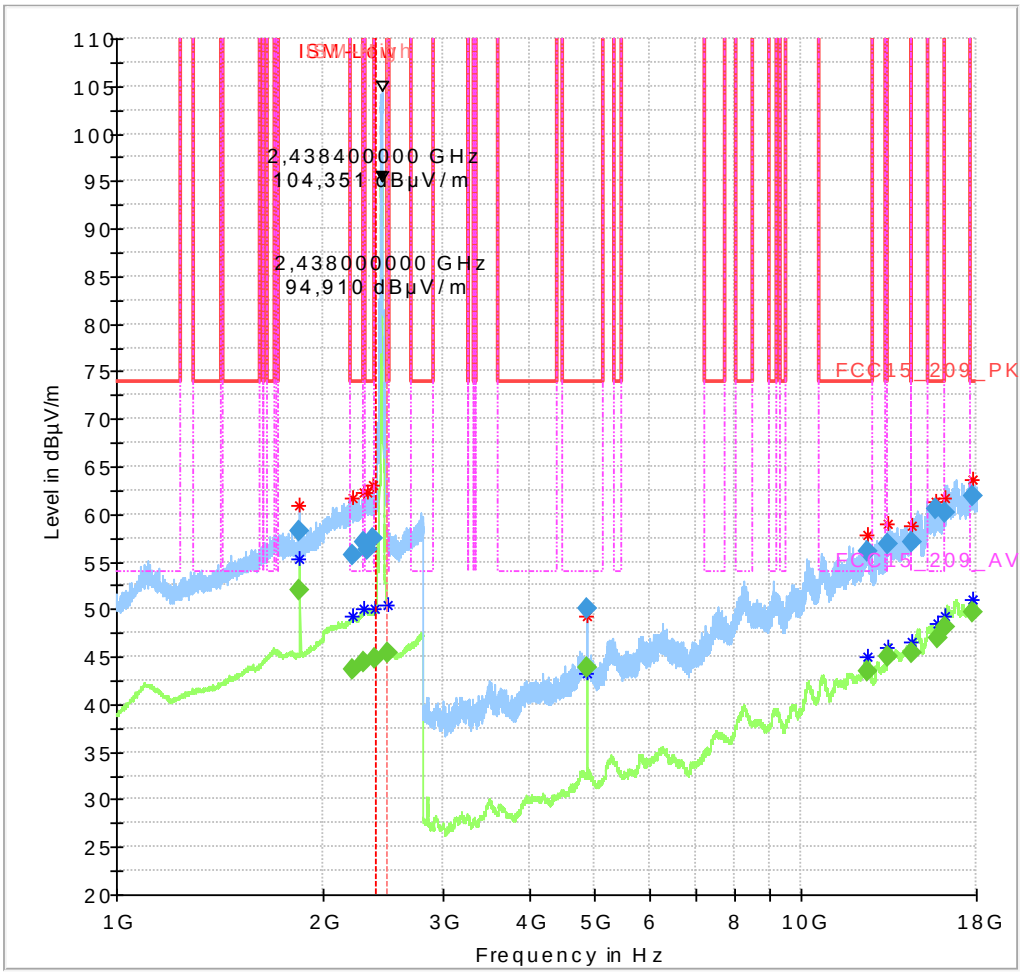
Diagram No.: 4.02_FALCON X4-WLAN2.4 GHz-TX-gMode-SISO-20MHz-12Mbit-Ch6+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - g Mode-SISO-B.W. 20 MHz-12 Mbit-Ch 6 (2437 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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m) + Duty Cycle Correction (dB))	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1853.200000	---	52,31	150.00	97.69	100.0	1000.000	155.0	H	324.0
1853.200000	58.18	---	150.00	91.82	100.0	1000.000	155.0	V	45.0
2206.000000	---	43,98	54.00	10.02	100.0	1000.000	155.0	V	-5.0
2208.560000	55.70	---	74.00	18.30	100.0	1000.000	155.0	V	233.0
2296.040000	57.10	---	74.00	16.90	100.0	1000.000	155.0	H	313.0
2297.720000	---	44,85	54.00	9.15	100.0	1000.000	155.0	V	141.0
2321.440000	56.29	---	74.00	17.71	100.0	1000.000	155.0	V	315.0
2373.920000	57.46	---	74.00	16.54	100.0	1000.000	155.0	V	-14.0
2385.760000	---	45,22	54.00	8.78	100.0	1000.000	155.0	V	159.0
2483.500000	---	45,81	54.00	8.19	100.0	1000.000	155.0	V	129.0
4874.000000	49.99	---	74.00	24.01	100.0	1000.000	155.0	V	225.0
4874.000000	---	44,18	54.00	9.82	100.0	1000.000	155.0	H	312.0
12492.840000	56.05	---	74.00	17.95	100.0	1000.000	155.0	V	280.0
12493.280000	---	43,79	54.00	10.21	100.0	1000.000	155.0	H	-36.0
13370.400000	56.94	---	74.00	17.06	100.0	1000.000	155.0	V	207.0
13396.120000	---	45,32	54.00	8.68	100.0	1000.000	155.0	V	238.0
14473.800000	57.01	---	74.00	16.99	100.0	1000.000	155.0	H	188.0
14497.280000	---	45,77	54.00	8.23	100.0	1000.000	155.0	V	228.0
15720.280000	60.55	---	74.00	13.45	100.0	1000.000	155.0	V	308.0
15811.160000	---	47,43	54.00	6.57	100.0	1000.000	155.0	V	252.0
16188.920000	60.19	---	74.00	13.81	100.0	1000.000	155.0	H	180.0
16197.080000	---	48,52	54.00	5.48	100.0	1000.000	155.0	H	145.0
17789.800000	---	50,13	54.00	3.87	100.0	1000.000	155.0	V	159.0
17794.840000	61.92	---	74.00	12.08	100.0	1000.000	155.0	H	146.0

Frequency (MHz)	Elevation (deg)	Corr. (dB)
1853.200000	90.0	32.4
1853.200000	0.0	32.4
2206.000000	90.0	35.2
2208.560000	0.0	35.2
2296.040000	90.0	35.7
2297.720000	0.0	35.7
2321.440000	90.0	35.7
2373.920000	90.0	35.6
2385.760000	0.0	35.6
2483.500000	0.0	35.9
4874.000000	0.0	4.7
4874.000000	0.0	4.7
12492.840000	0.0	20.1
12493.280000	0.0	20.1
13370.400000	0.0	20.6
13396.120000	90.0	20.8
14473.800000	90.0	22.7
14497.280000	90.0	23.0
15720.280000	0.0	24.2
15811.160000	0.0	24.2
16188.920000	0.0	24.9
16197.080000	90.0	25.0
17789.800000	90.0	26.6
17794.840000	0.0	26.6

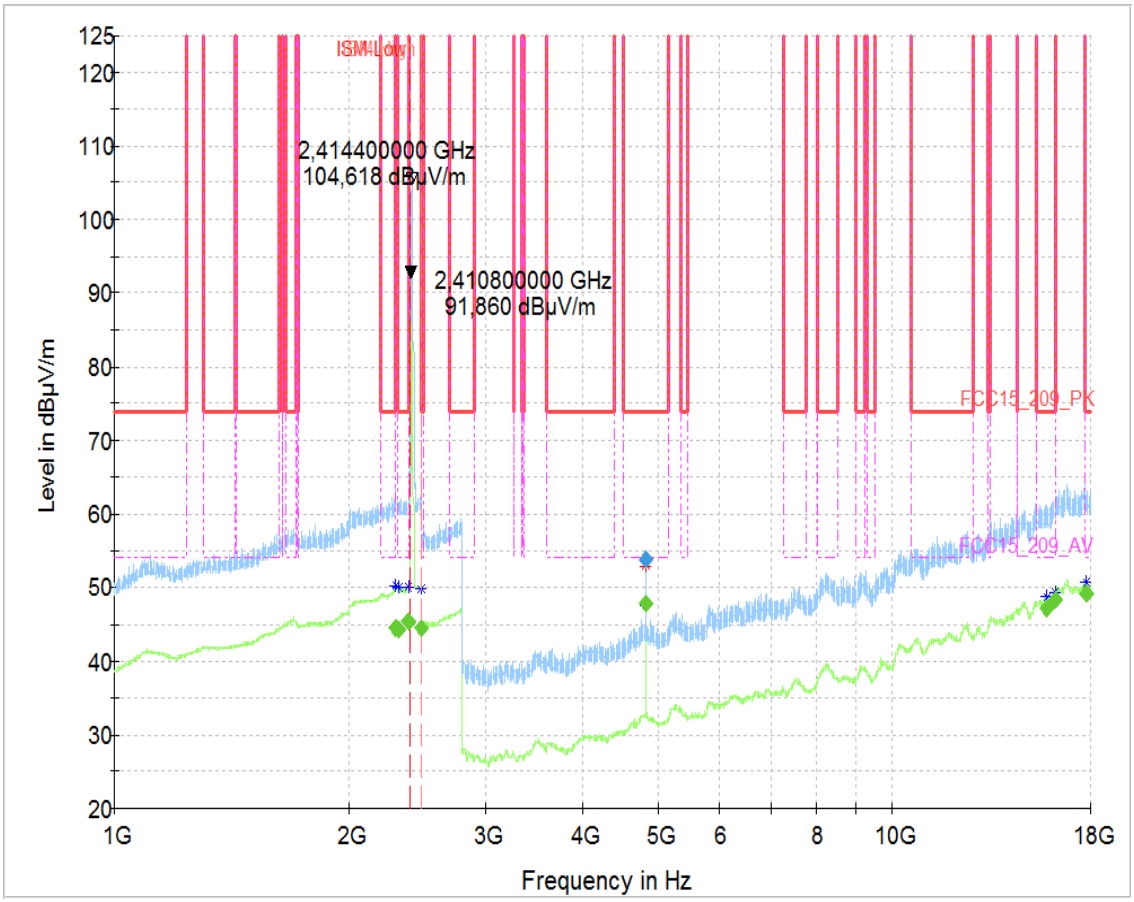
Diagram No.: 4.03_FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz-MCS3-Ch1+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - n Mode-SISO-B.W. 20 MHz-MCS3-Ch 1 (2412 MHz)- PWR+20dBm
Operator Name:	SRa

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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2483.500000	57.31	---	74.00	16.69	100.0	1000.000	155.0	H	122.0
1853.280000	58.81	---	150.00	91.19	100.0	1000.000	155.0	H	15.0
2209.120000	55.94	---	74.00	18.06	100.0	1000.000	155.0	H	62.0
2384.720000	56.72	---	74.00	17.28	100.0	1000.000	155.0	V	206.0
2295.120000	56.37	---	74.00	17.63	100.0	1000.000	155.0	V	291.0
2204.360000	---	44,37	54.00	9.63	100.0	1000.000	155.0	H	68.0
2312.360000	---	45,16	54.00	8,84	100.0	1000.000	155.0	V	179.0
1853.200000	---	53,69	150.00	96.31	100.0	1000.000	155.0	H	77.0
2483.500000	---	45,64	54.00	8.36	100.0	1000.000	155.0	V	10.0
2296.800000	---	45,21	54.00	8.79	100.0	1000.000	155.0	V	216.0

Frequency (MHz)	Elevation (deg)	Corr. (dB)	Comment
2483.500000	0.0	35.9	06:34:10 - 10.11.2017
1853.280000	90.0	32.4	06:36:56 - 10.11.2017
2209.120000	90.0	35.2	06:39:16 - 10.11.2017
2384.720000	90.0	35.6	06:42:06 - 10.11.2017
2295.120000	90.0	35.6	06:44:29 - 10.11.2017
2204.360000	0.0	35.3	06:47:46 - 10.11.2017
2312.360000	0.0	35.8	06:50:38 - 10.11.2017
1853.200000	90.0	32.4	06:53:34 - 10.11.2017
2483.500000	90.0	35.9	06:56:19 - 10.11.2017
2296.800000	90.0	35.7	06:59:16 - 10.11.2017

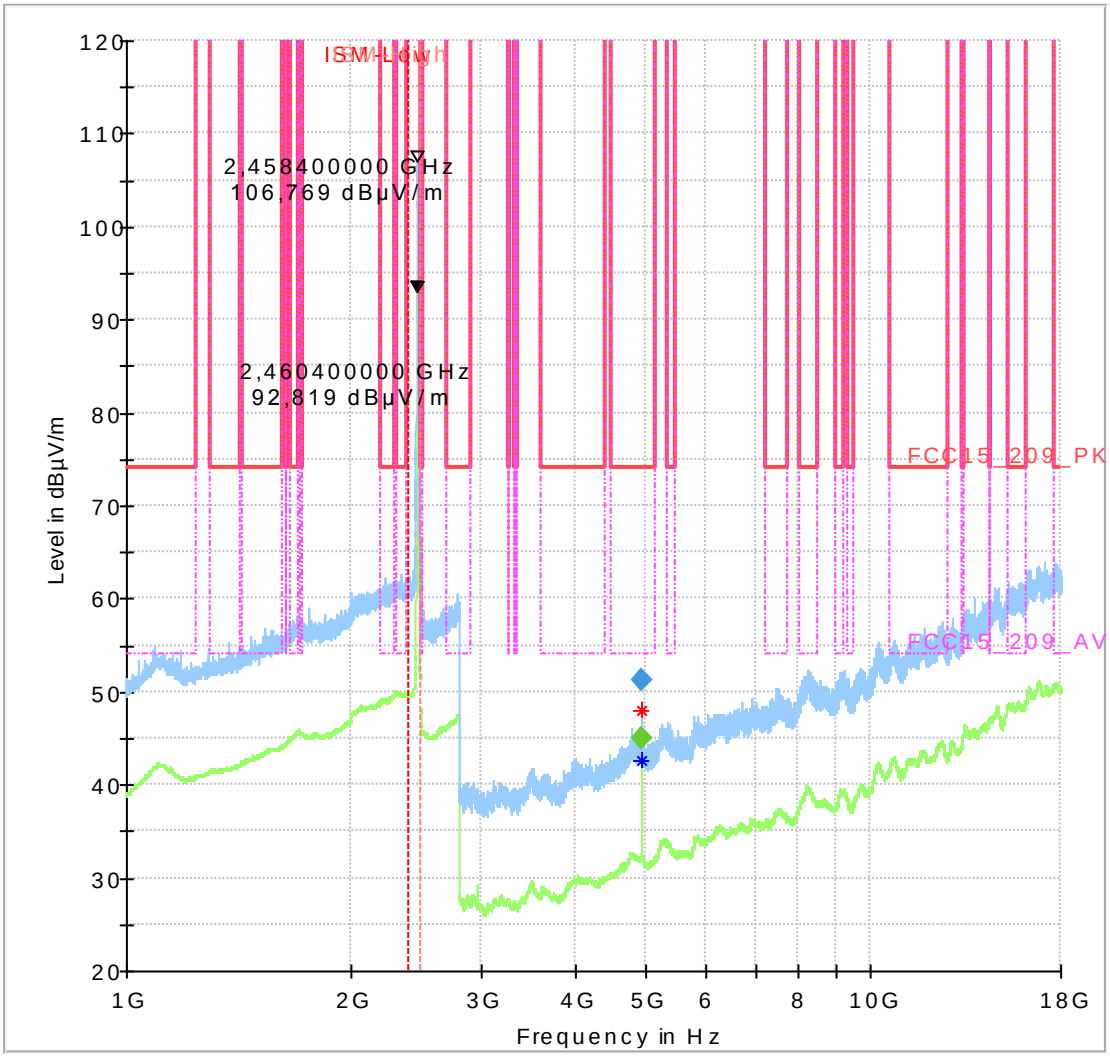
Diagram No.: 4.04_FALCON X4-WLAN2.4 GHz-TX-nMode-MIMO-20MHz-MCS13-Ch11+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - n Mode-MIMO-B.W. 20 MHz- MCS13-Ch 11 (2462 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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m) + Duty Cycle Correction (dB)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4924.000000	---	47.26	54.00	6.74	100.0	1000.000	155.0	V	245.0
4924.000000	51.31	---	74.00	22.69	100.0	1000.000	155.0	V	246.0

Frequency (MHz)	Elevation (deg)
4924.000000	0.0
4924.000000	0.0

2.4. Radiated Field Strength Emissions – 18 GHz to 25 GHz

Diagram No.: 4.01a_FALCON X4-WLAN2.4 GHz-TX-bMode-SISO-20MHz-11Mbit-Ch11-20dBm

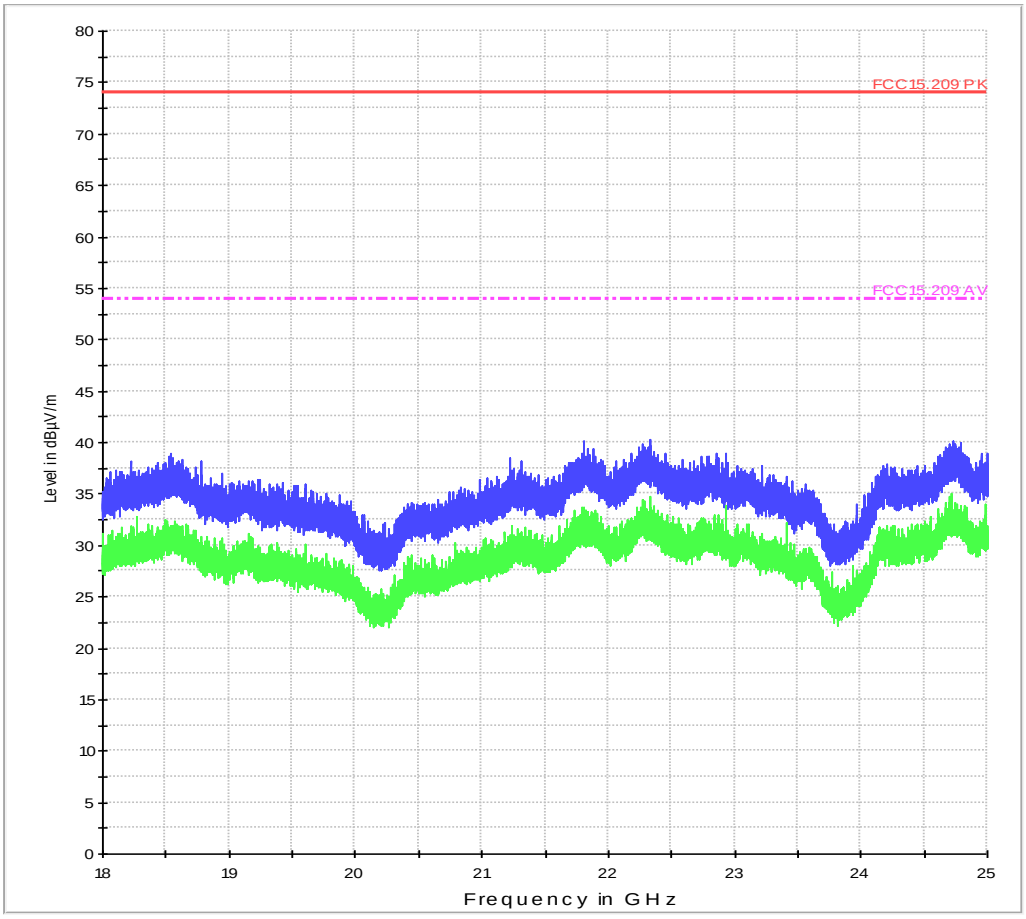
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
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 - b Mode-SISO-B.W. 20 MHz-11 Mbit-Ch 11 (2462 MHz)-PWR+20dBm
Operator Name:	DLe
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)

FCC_Sweep_15.247_18_25GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

Diagram No.: 4.02a_FALCON X4-WLAN2.4 GHz-TX-gMode-SISO-20M0Hz-12Mbit-Ch6-20dBm

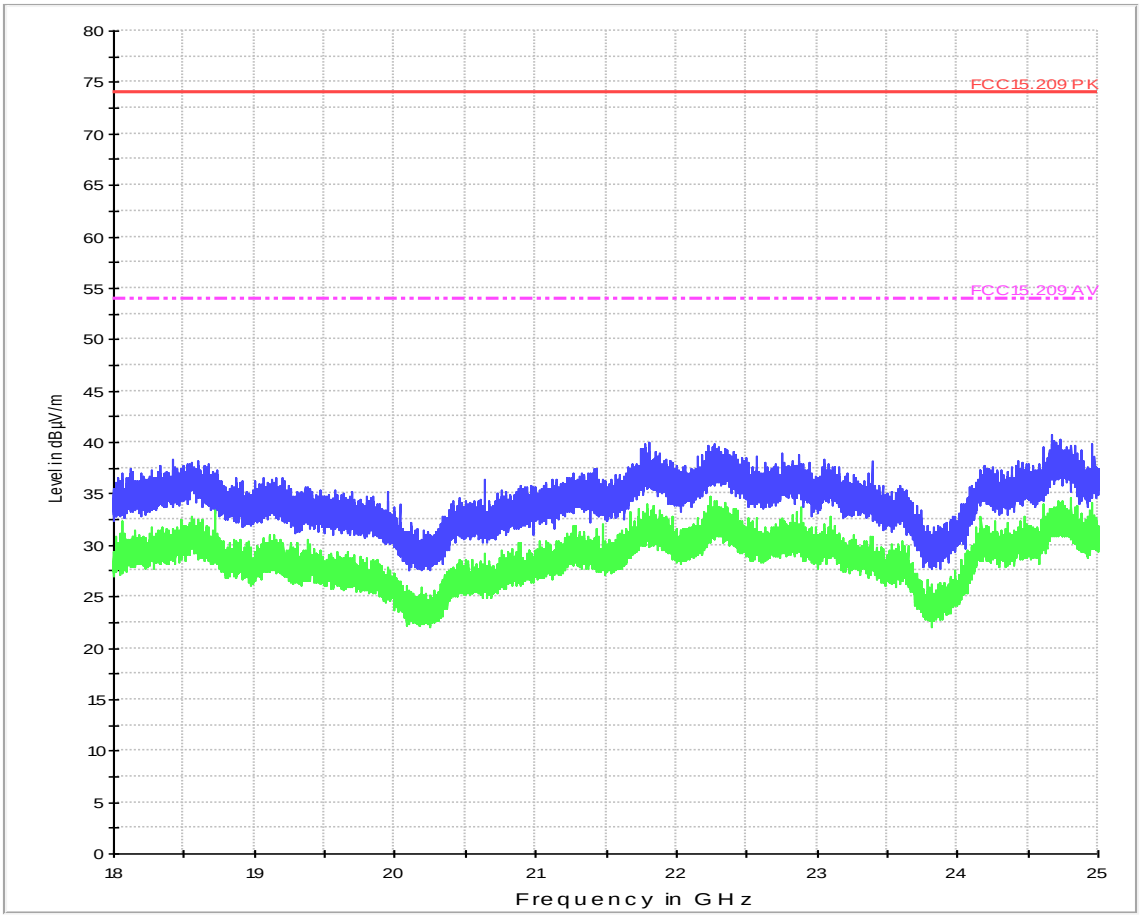
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
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 - g Mode-SISO-B.W. 20 MHz-12 Mbit-Ch 6 (2437 MHz)- PWR+20dBm
Operator Name:	DLe
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)

FCC_Sweep_15.247_18_25GHz_Pre



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

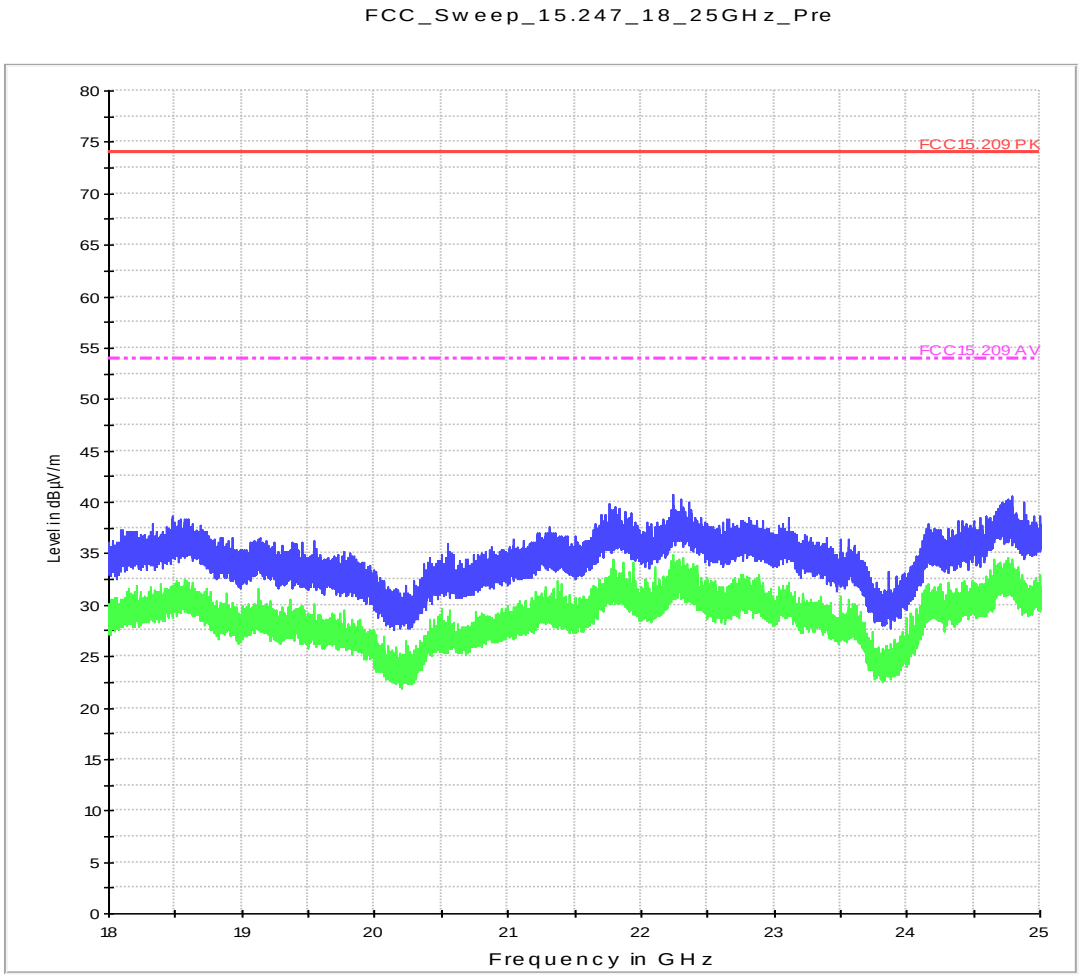
Diagram No.: 4.03a_FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz-MCS3-Ch1-20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX - n Mode-SISO-B.W. 20 MHz-MCS3-Ch 1 (2412 MHz)- PWR+20dBm
Operator Name:	DLe
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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

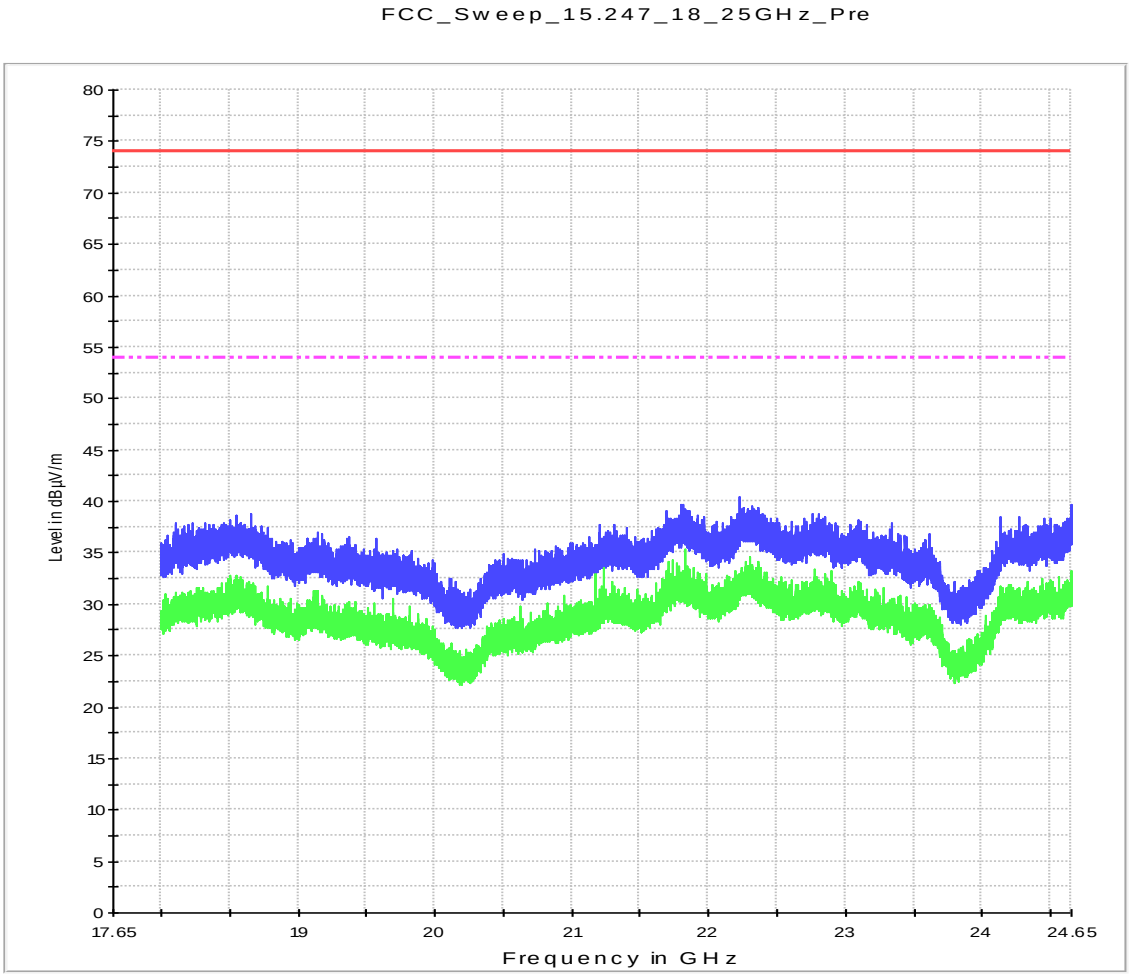
Diagram No.: 4.04a_FALCON X4-WLAN2.4 GHz-TX-nMode-MIMO-20MHz-MCS13-Ch11-20dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
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-MIMO-B.W. 20 MHz- MCS13-Ch 11 (2462 MHz)-PWR+20dBm
Operator Name:	DLe
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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

3. Radiated Band-Edge Measurements

3.1. b SISO Mode-Low Channel 2412 MHz (2.4 GHz ISM: left band edge)

9.01_BE-Low-FALCON X4-WLAN2.4 GHz-TX-bMode-SISO-20MHz-- 11Mbit-Ch1+20dBm

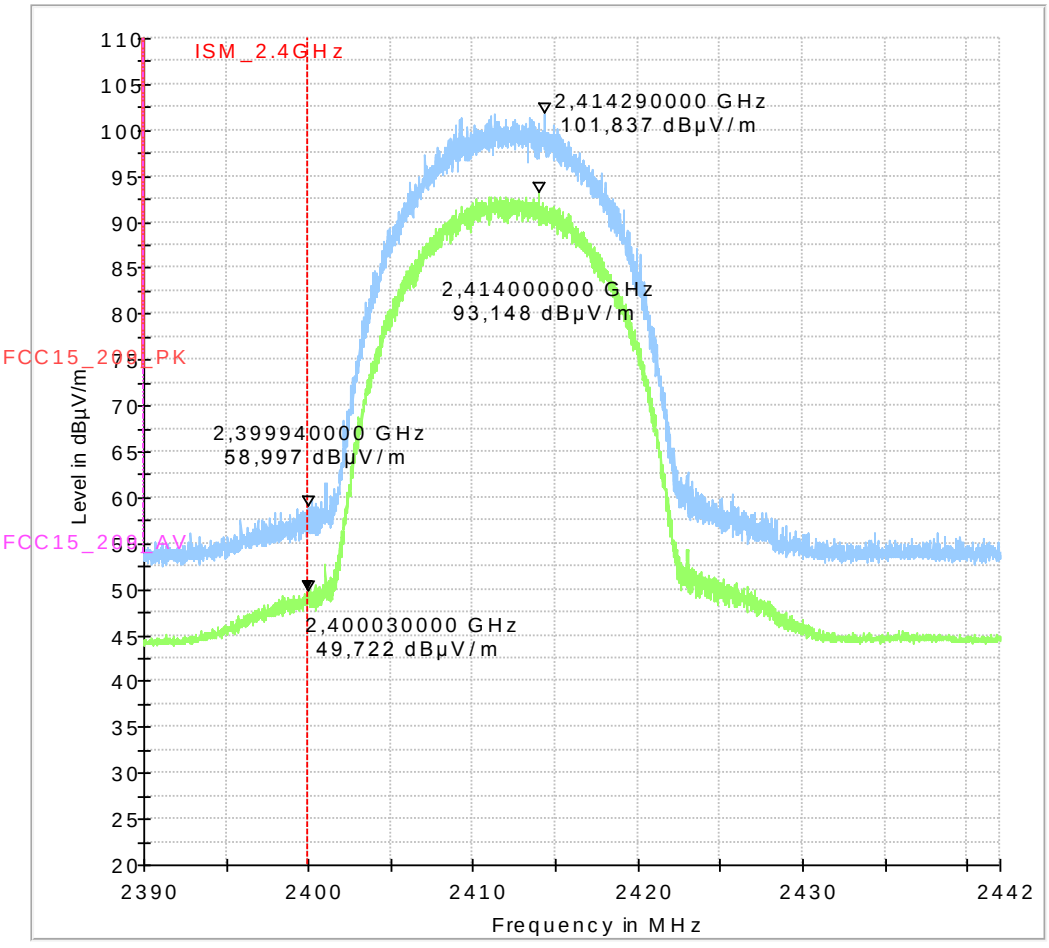
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - b Mode-SISO-B.W. 20 MHz-- 11Mbit-Ch 1 (2412 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 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 17-1-0180901T12a

3.2. b SISO Mode-High Channel 2462 MHz (2.4 GHz ISM: right band edge)

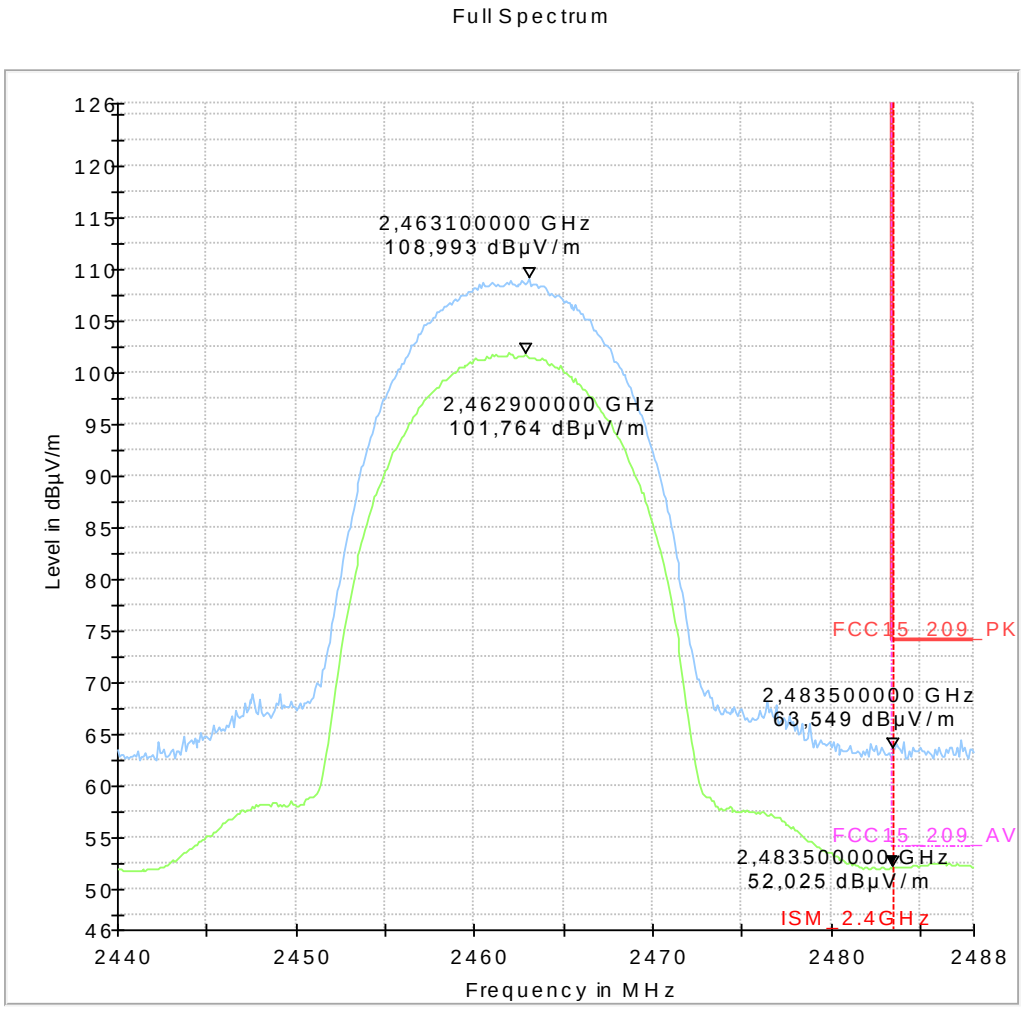
Diagram No.: 9.02_BE-High-FALCON X4-WLAN2.4 GHz-TX-bMode-SISO-20MHz- 11Mbit-Ch11+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - b Mode-SISO-B.W. 20 MHz-- 11Mbit-Ch 11 (2462 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 charged Internal Battery
Battery Type:	BT-26 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

3.3. g SISO Mode-Low Channel 2412 MHz (2.4 GHz ISM: left band edge)

9.03_BE-Low-FALCON X4-WLAN2.4 GHz-TX-gMode-SISO-20MHz-12Mbit Ch1+20dBm

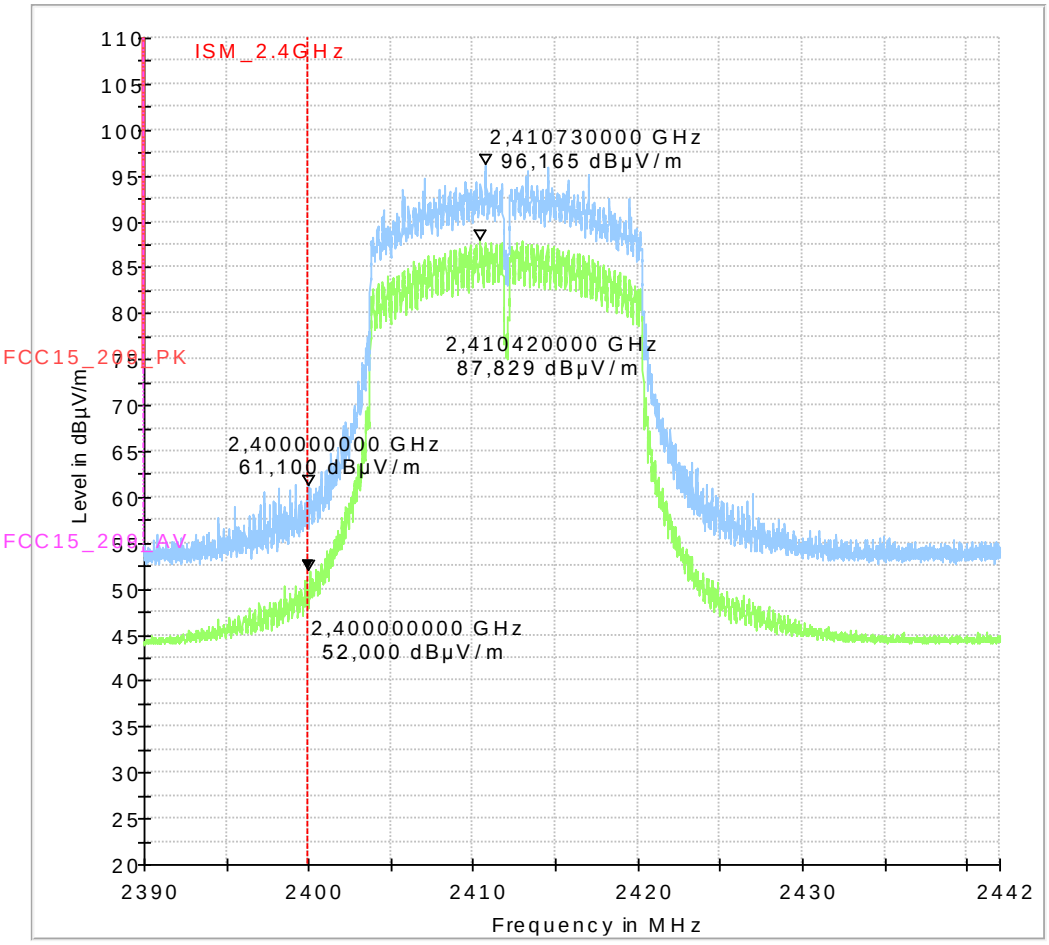
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - g Mode-SISO-B.W. 20 MHz- 12 Mbit -Ch 1 (2412 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 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 5.1Test Report 17-1-0180901T12a

3.4. g SISO Mode-High Channel 2462 MHz (2.4 GHz ISM: right band edge)

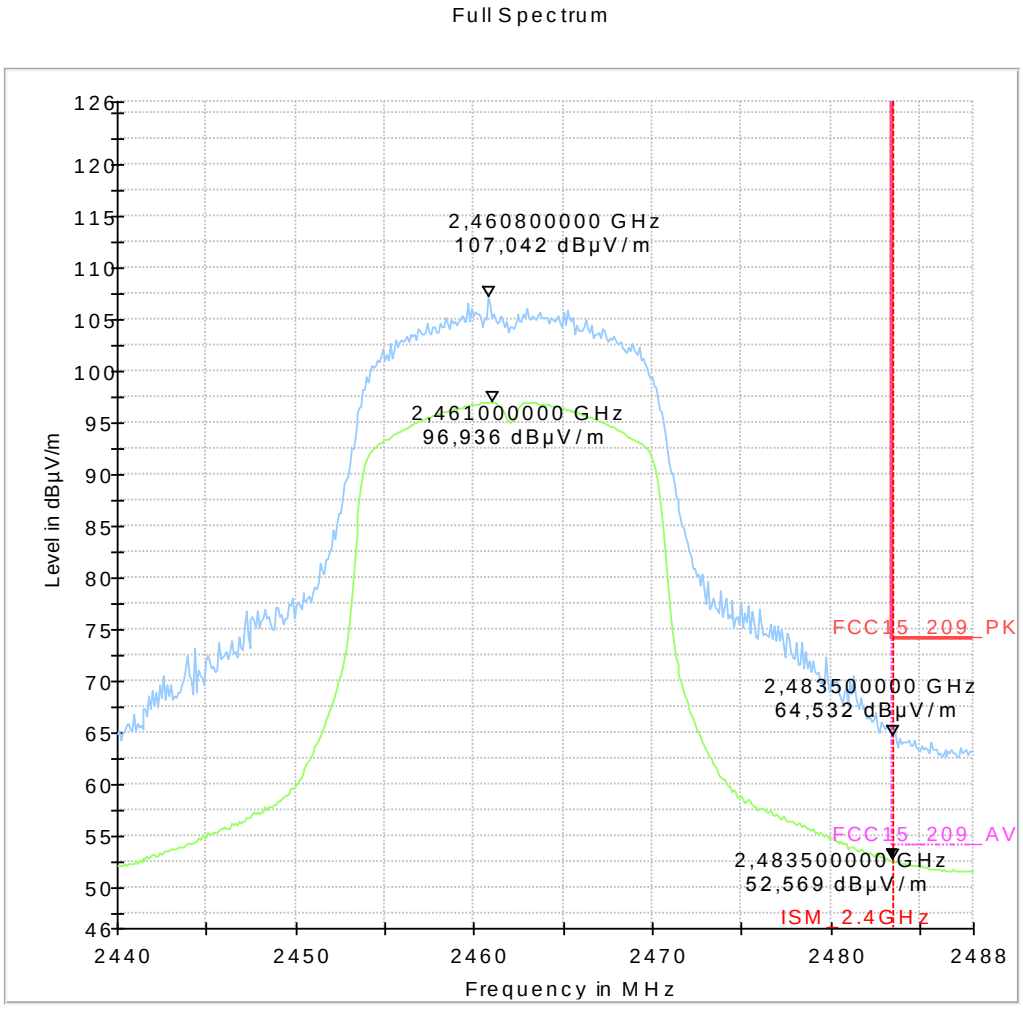
Diagram No.: 9.04_BE-High-FALCON X4-WLAN2.4 GHz-TX-gMode-SISO-20MHz- 12 Mbit-Ch11+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - g Mode-SISO-B.W. 20 MHz- 12 Mbit -Ch 11 (2462 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 charged Internal Battery
Battery Type:	BT-26 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

3.5. n SISO Mode-Low Channel 2412 MHz (2.4 GHz ISM: left band edge)

Diagram No.: 9.05_BE-Low-FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz-MCS3-Ch1+20dBm

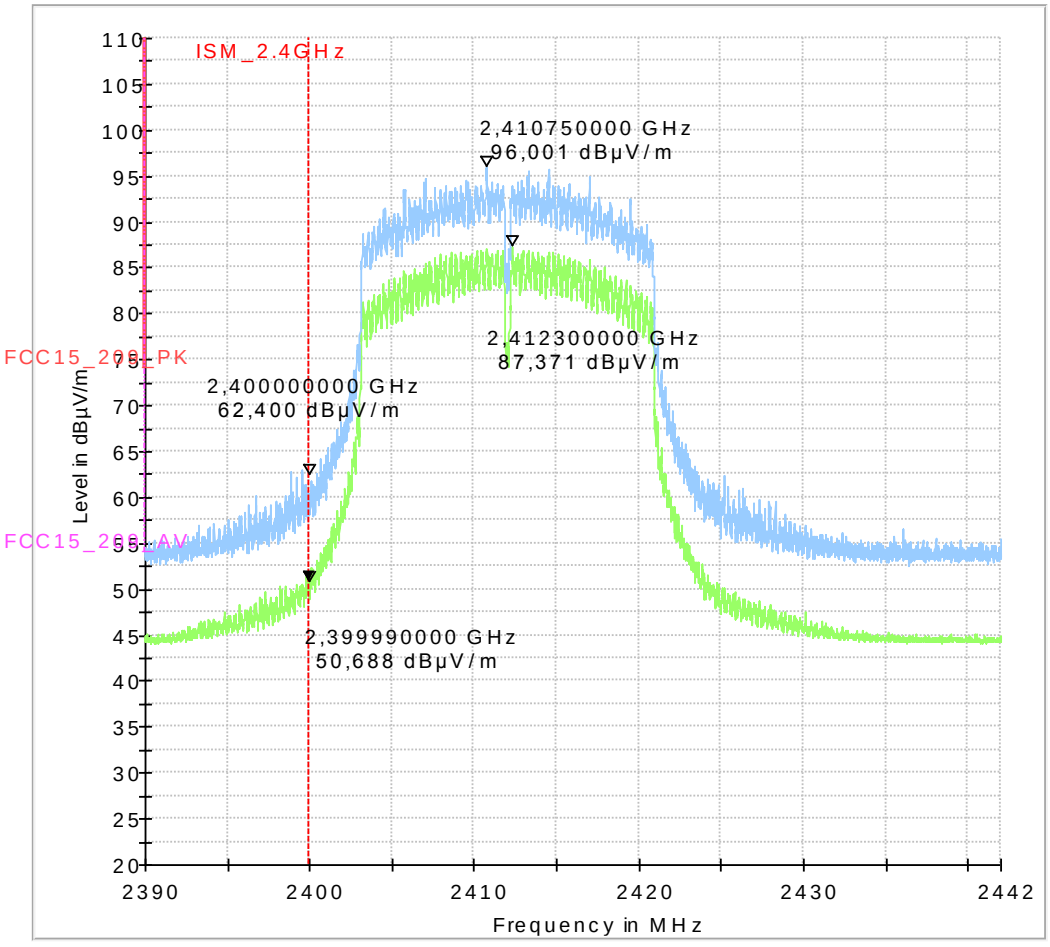
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - g Mode-SISO-B.W. 20 MHz- 12 Mbit -Ch 1 (2412 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 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 17-1-0180901T12a

3.6. n SISO Mode-High Channel 2462 MHz (2.4 GHz ISM: right band edge)

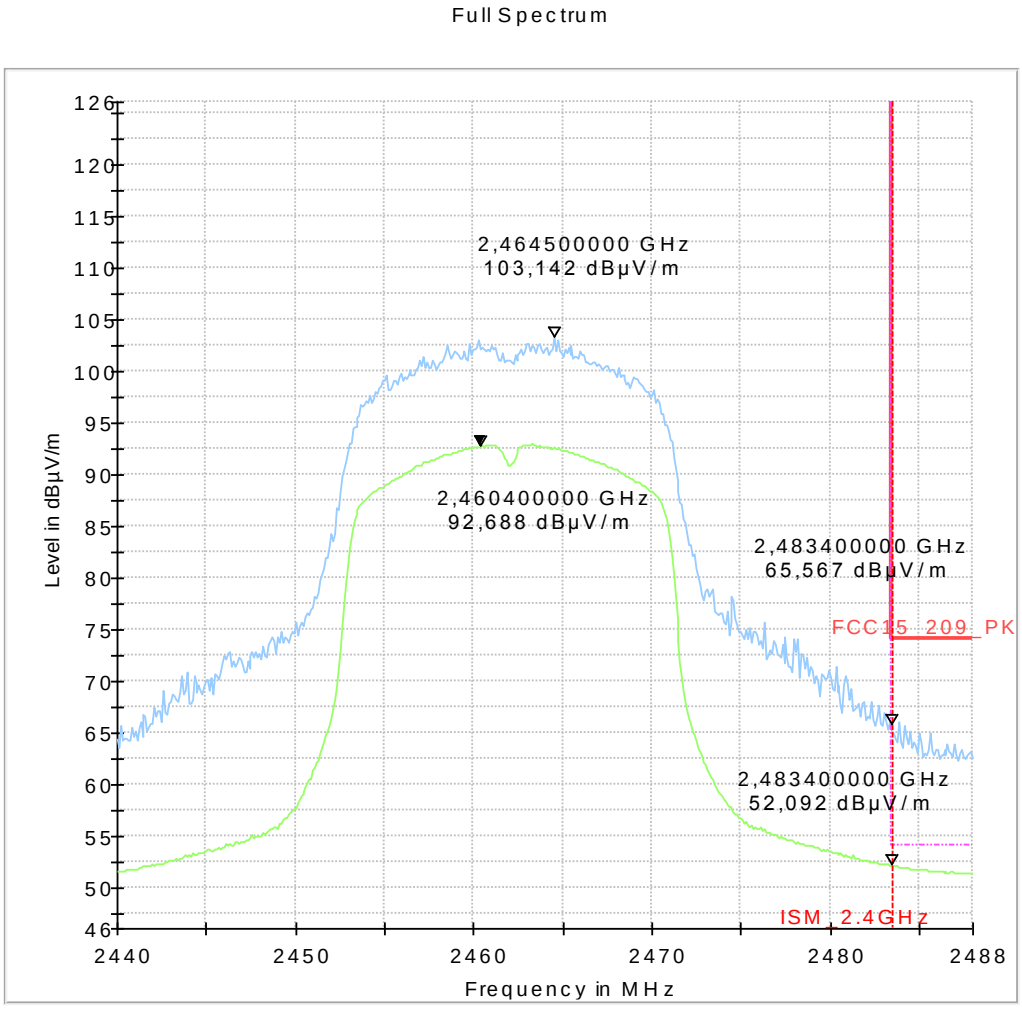
Diagram No.: 9.06_BE-High-FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz- MCS3-Ch11+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - n Mode-SISO-B.W. 20 MHz- MCS3-Ch 11 (2462 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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

3.7. n MIMO Mode-Low Channel 2412 MHz (2.4 GHz ISM: left band edge)

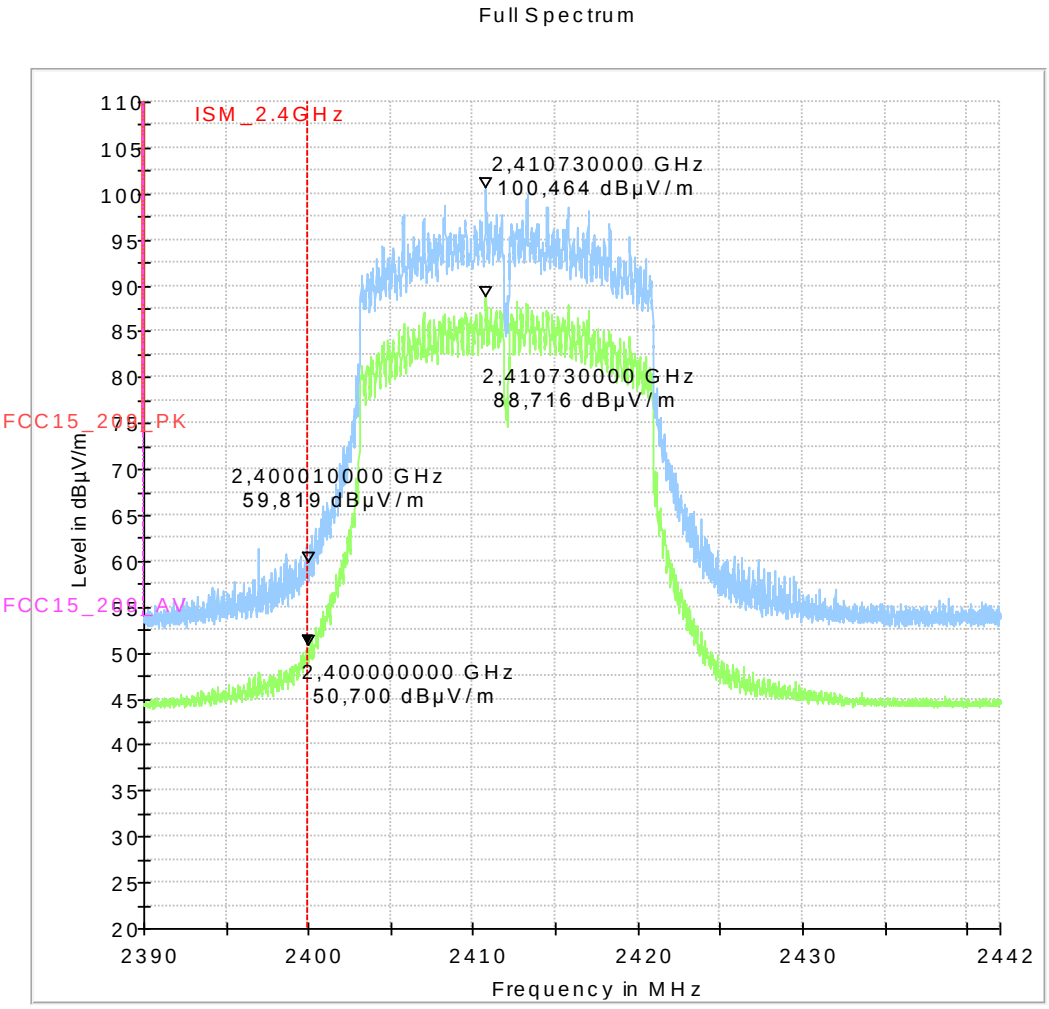
Diagram No.: 9.07_BE-Low-FALCON X4-WLAN2.4 GHz-TX-nMode-SISO-20MHz-MCS13-Ch1+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - n Mode-MIMO-B.W. 20 MHz- MCS13-Ch 1 (2412 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 charged Internal Battery
Battery Type:	BT-26 | Li-ion|3.7V DC 5200mAh (2 Cylindrical Cells)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a

3.8. n MIMO Mode-High Channel 2462 MHz (2.4 GHz ISM: right band edge)

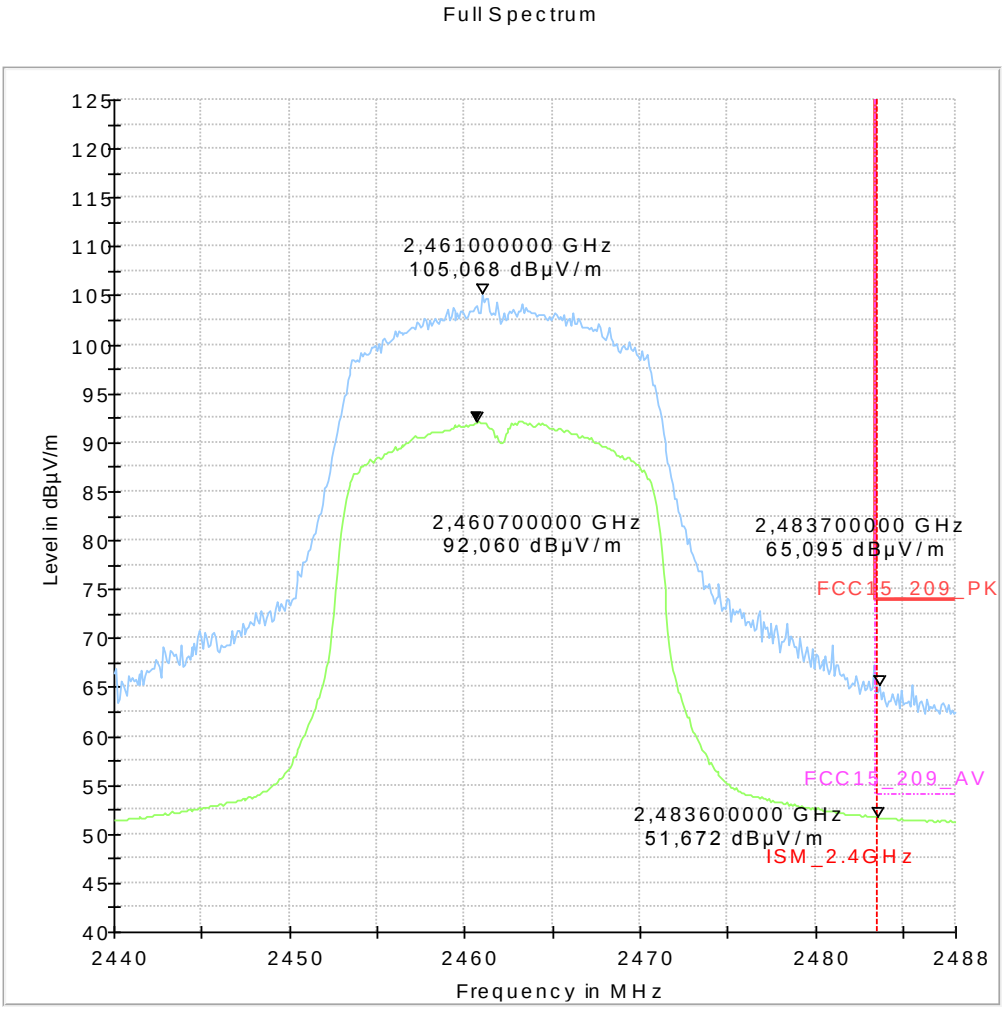
Diagram No.: 9.08_BE-High-FALCON X4-WLAN2.4 GHz-TX-nMode-MIMO-20MHz- MCS13-Ch11+20dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247- Intentional Radiator /15.209/15.205
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX - n Mode-MIMO-B.W. 20 MHz- MCS13-Ch 11 (2462 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)



For Average RMS Values Duty-Cycle Correction is applicable : Chapter 5.1 Test Report 17-1-0180901T12a