

Annex 1: Diagramms to
PARTIAL TEST REPORT
 No.: 2-20842790-15-8a

According to:
FCC Regulations
 Part 15.207
 Part 15.247

IC-Regulations
 RSS-Gen, Issue 4
 RSS-247, Issue 1

for

Datalogic ADC S.r.l.

JOYA TOUCH

Type: B00AN00HL0HT0W7-GRR

FCC-ID: U4GJNGW
 IC: 3862E-JNGW
 PMN: JOYA TOUCH
 HVIN: JNG B GUN







Laboratory Accreditation and Listings			
 Deutsche Akkreditierungsstelle D-PL-12047-01-01	 FEDERAL COMMUNICATIONS COMMISSION USA MRA US-EU 0003	 Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
 WiFi ALLIANCE AUTHORIZED RF LABORATORY	 ctia Authorized TM Test Lab Lab Code: 20011130-00		
accredited according to DIN EN ISO/IEC 17025			
<p align="center">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</p>			

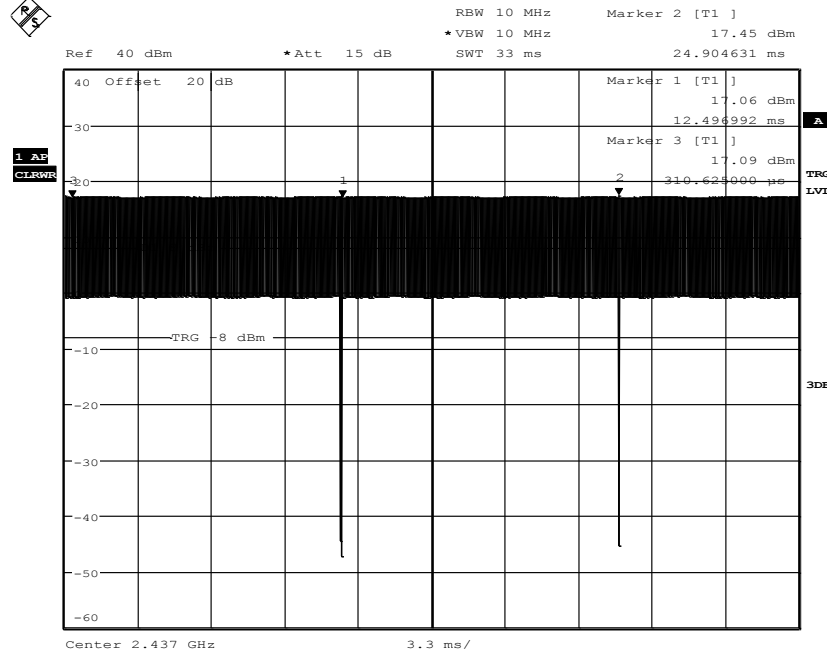
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1. Duty-Cycle of Transmitter

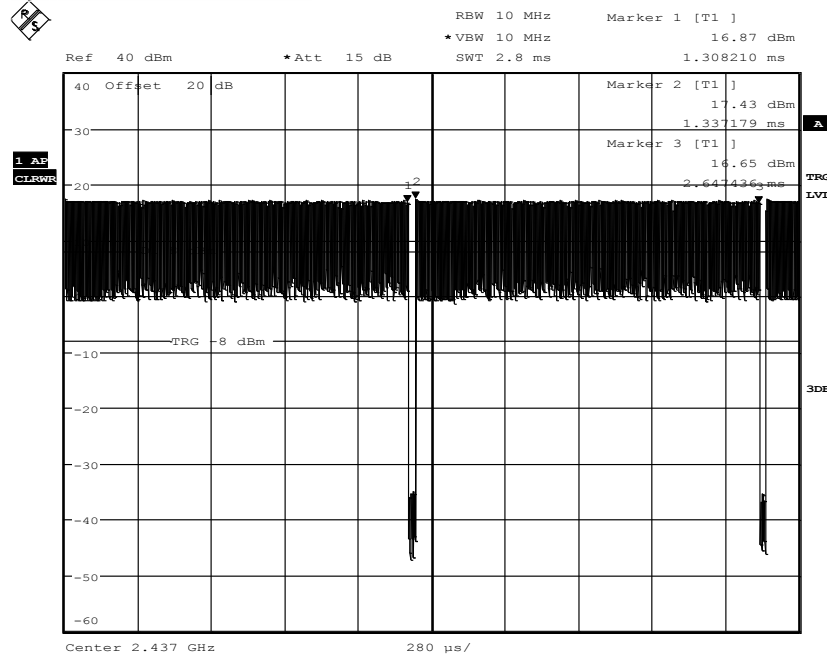
The characteristics of the implemented test mode was checked on middle channel no. 6 (b-Mode , g -Mode and n -Mode HT20) only.

Diagram b-Mode 1Mbit:



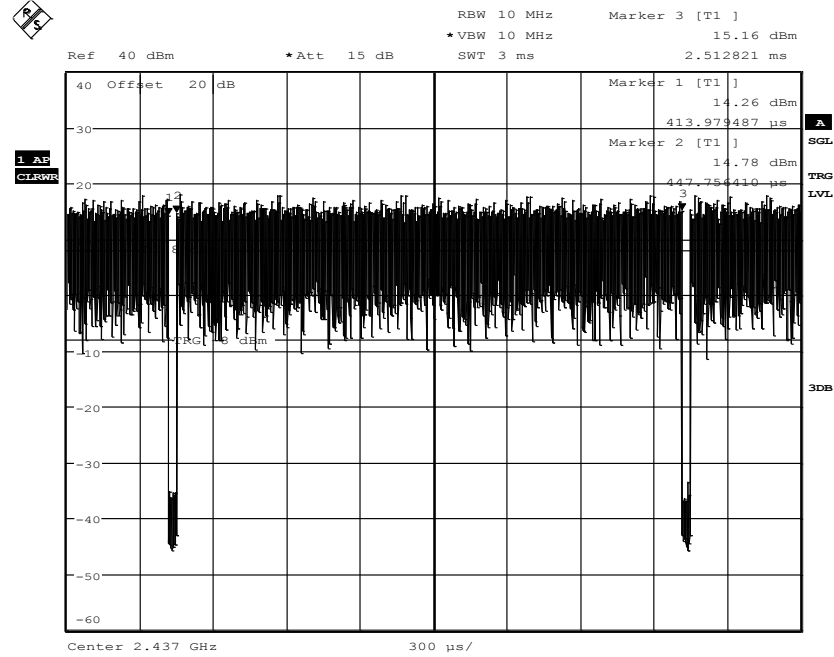
Date: 2.MAY.2016 22:21:11

Diagram b-Mode 11 Mbit:



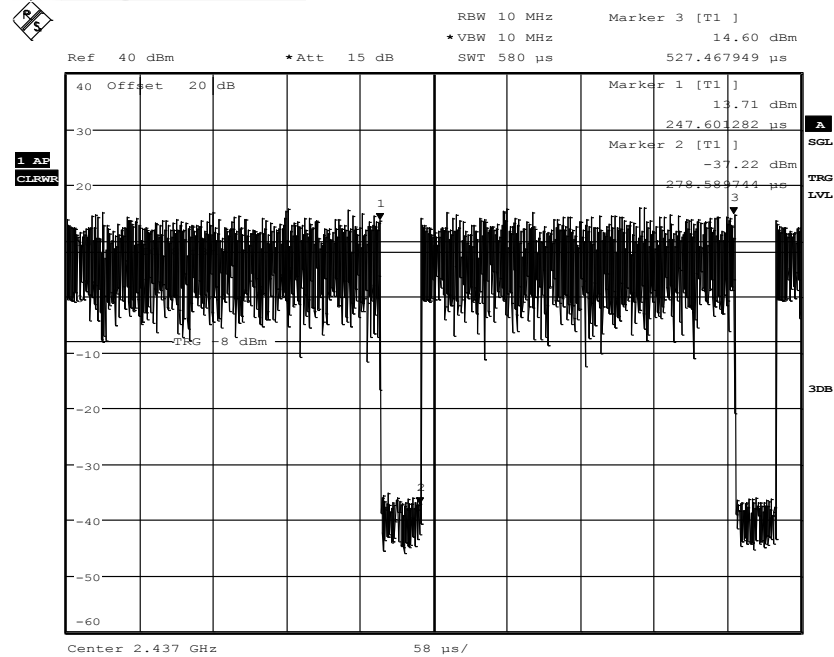
Date: 2.MAY.2016 22:04:53

Diagram g-Mode 6Mbit:



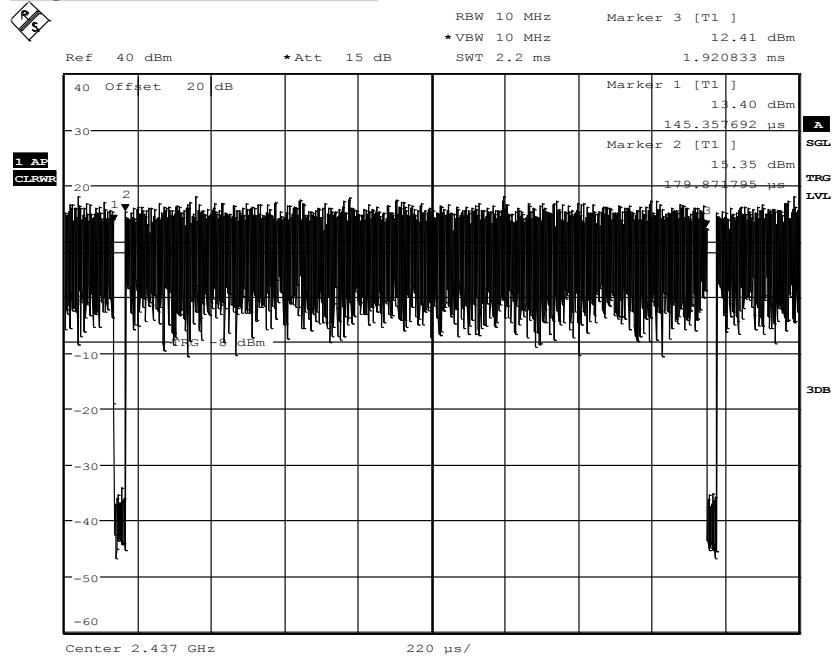
Date: 2.MAY.2016 22:08:55

Diagram g-Mode 54Mbit:



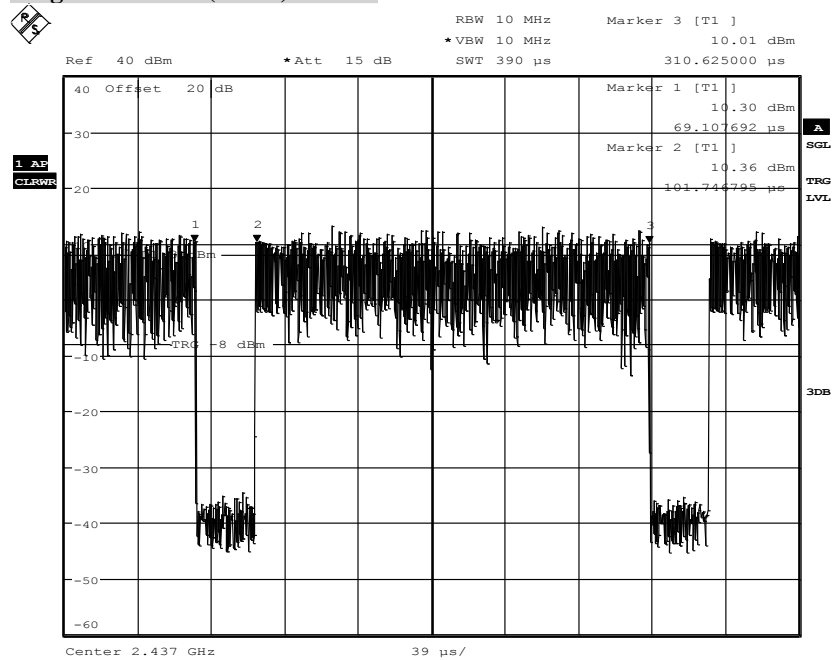
Date: 2.MAY.2016 22:11:06

Diagram n-Mode(HT20) MCS0:



Date: 2.MAY.2016 22:15:59

Diagram n-Mode(HT20) MCS7:



Date: 2.MAY.2016 22:19:42

2. Maximum Peak Conducted Output Power

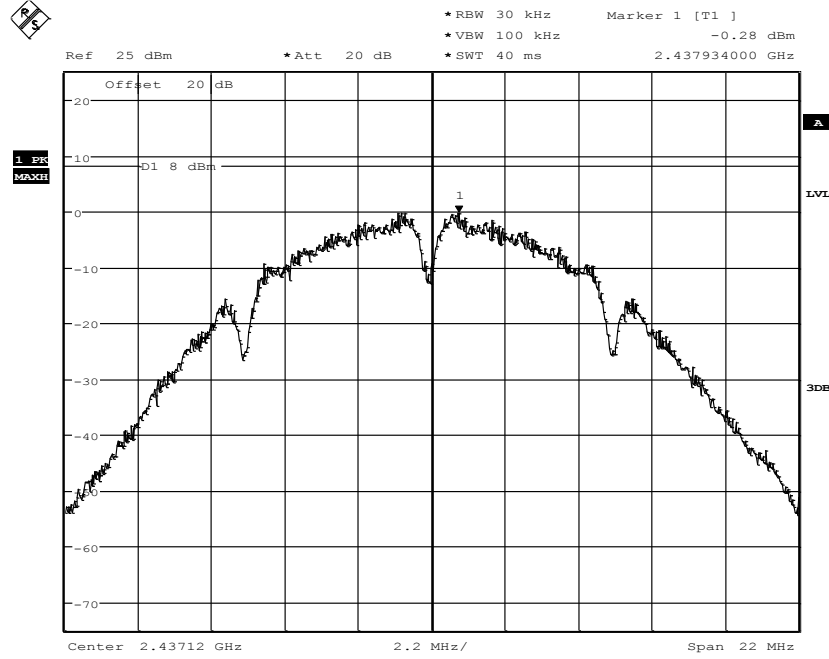
2.1. 20MHz signal BW

b-mode		Channel no. / [dBm]			Max-Value / [dBm]
Data rate	Modulation	1	6	11	
1MBit		14,46	15,80	15,65	16,04
2Mbit		14,26	16,04	15,67	
5.5Mbit		14,73	16,03	15,63	
11MBit		14,72	16,03	15,97	
22MBit					
g-Mode		Channel no. / [dBm]			Max-Value / [dBm]
Data rate	Modulation	1	6	11	
6Mbit		13,79	16,01	14,18	16,05
9Mbit		13,85	15,9	14,26	
12Mbit		13,75	15,97	14,15	
18Mbit		13,63	15,88	14,09	
24Mbit		13,93	16,05	14,41	
36Mbit		13,51	16,05	14,03	
48Mbit		13,04	15,07	14,07	
54Mbit		13,13	13,96	14,16	
n-Mode HT20 (1 spatial stream: 1SS)		Channel no. / [dBm]			Max-Value / [dBm]
Data rate	Modulation	1	6	11	
MCS0 - 6.5Mbps	BPSK	12,97	13,90	13,51	13,90
MCS1 - 13Mbps	QPSK	12,91	12,60	12,91	
MCS2 - 19.5Mbps	QPSK	12,82	12,92	13,37	
MCS3 - 26Mbps	QAM16	12,9	12,69	13,48	
MCS4 - 39Mbps	QAM16	12,87	13,72	13,46	
MCS5 - 52Mbps	QAM64	12,79	13,65	13,37	
MCS6 - 58.5Mbps	QAM64	11,55	11,29	12,09	
MCS7 - 65Mbps	QAM64	11,39	11,12	11,43	

Remarks:

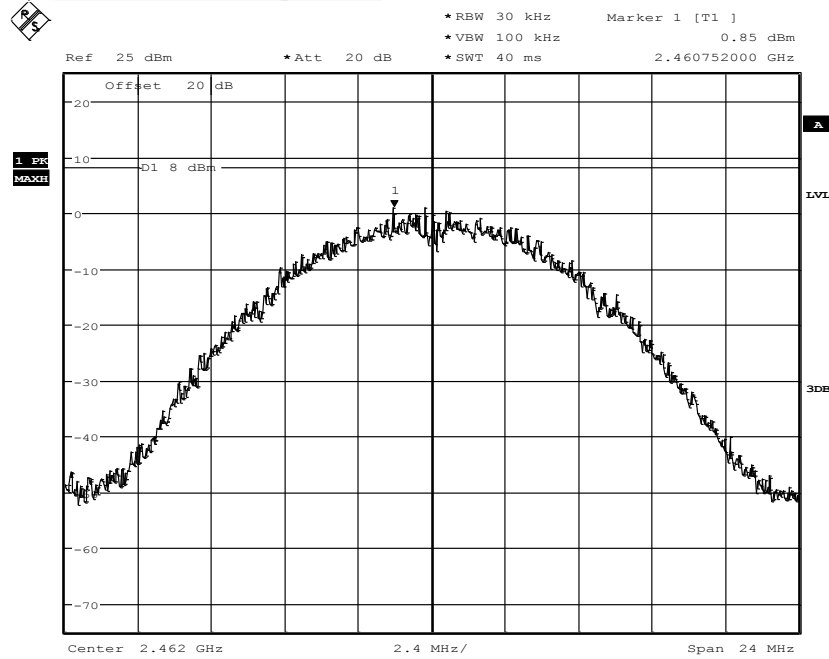
- 1.) The values in above table are conducted output power without declared antenna gain .
- 2.) The maximum measured conducted power values among each mode for each channel are highlighted.

Diagram b-Mode 2Mbps Ch6:



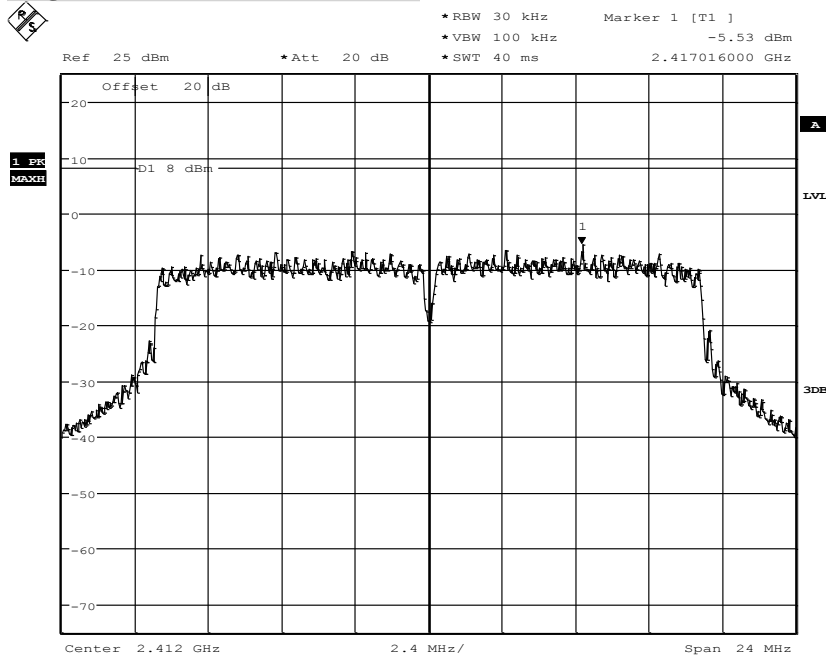
Date: 2.MAY.2016 19:14:35

Diagram b-Mode 11Mbps Ch11:



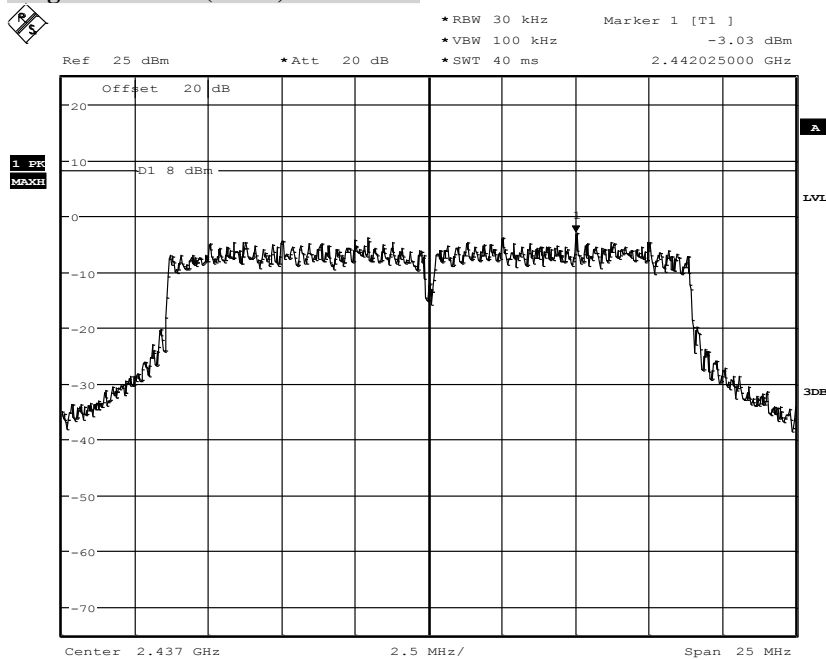
Date: 2.MAY.2016 19:33:24

Diagram n-Mode(HT20) MCS0 Ch1:



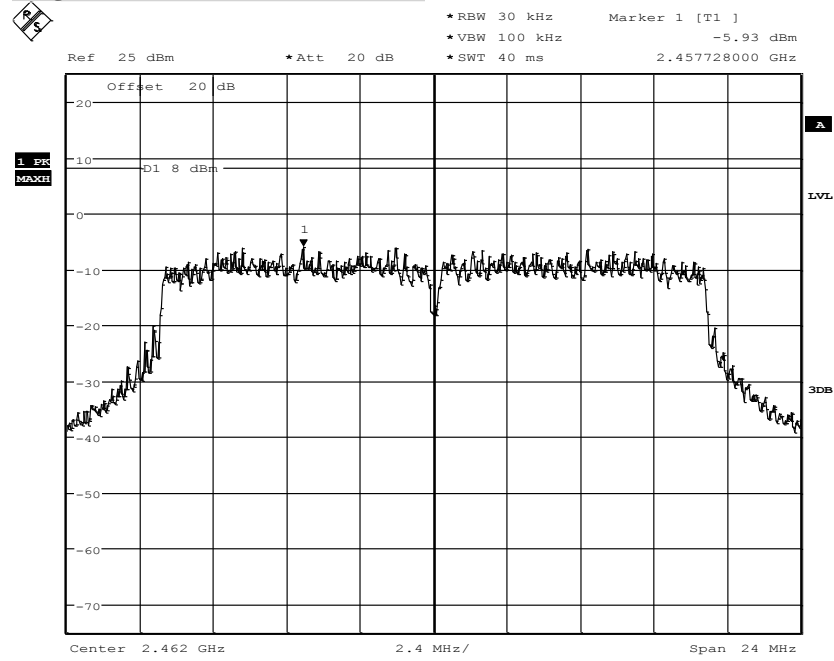
Date: 2.MAY.2016 19:12:01

Diagram n-Mode(HT20) MCS0 Ch6:



Date: 2.MAY.2016 19:31:44

Diagram n-Mode(HT20) MCS0 Ch11:



Date: 2.MAY.2016 20:49:15

4. Radiated magnetic field strengths measurements (9kHz to 30MHz)

Diagram No: 2.01_WLAN_b mode_1Mbps_Ch11_9kHz-30 MHz

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Environment Conditions:	Humidity: 45%rH; Temperature: 22°C
Operator:	KMo
Operating Mode:	W-LAN, b-Mode, 11MBit, Ch11

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum

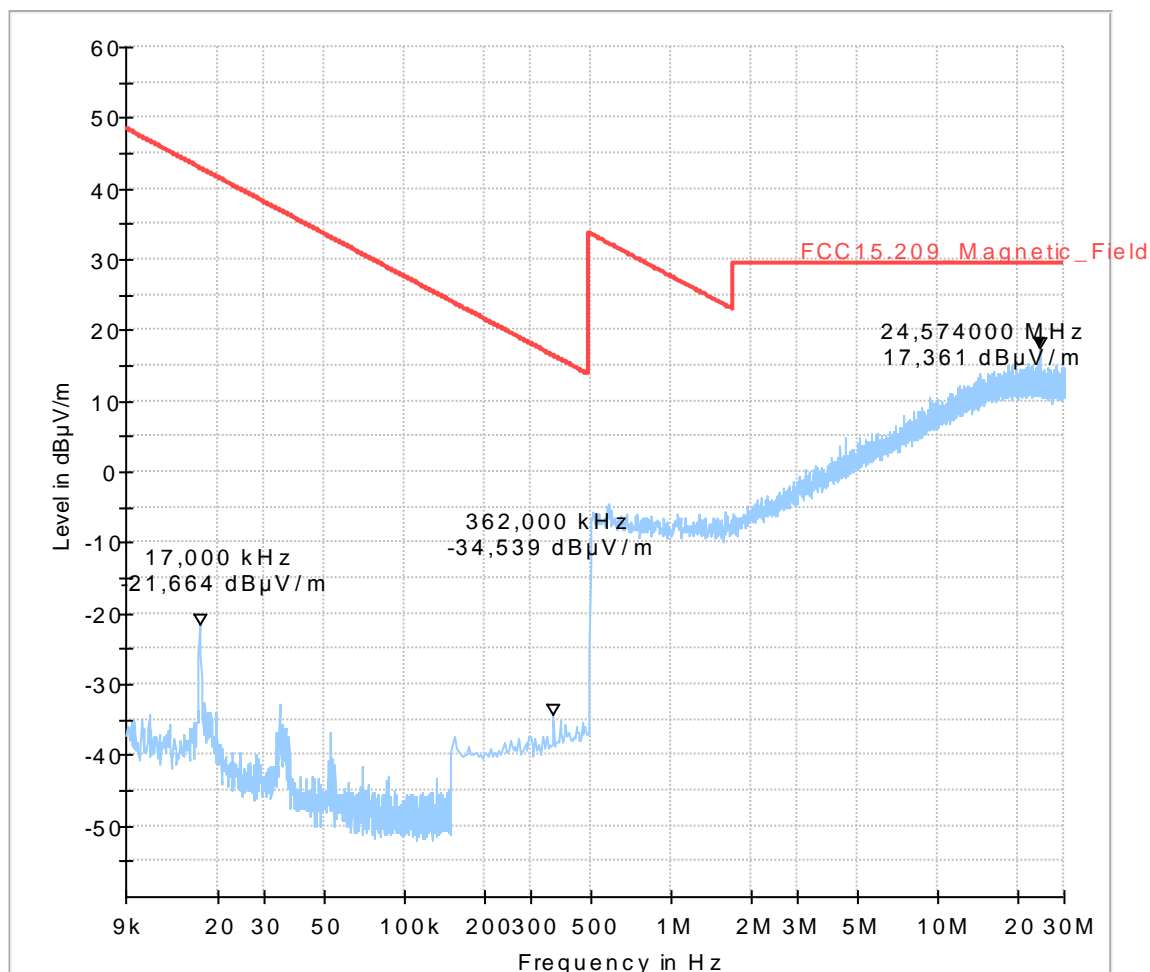


Diagram No: 2.02_WLAN_g-mode_ 6 Mbps_CH1_9kHz-30 MHz

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Environment Conditions:	Humidity: 45%rH; Temperature: 22°C
Operator:	KMo
Operating Mode:	W-LAN, g-Mode, 6MBit, Ch1

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum

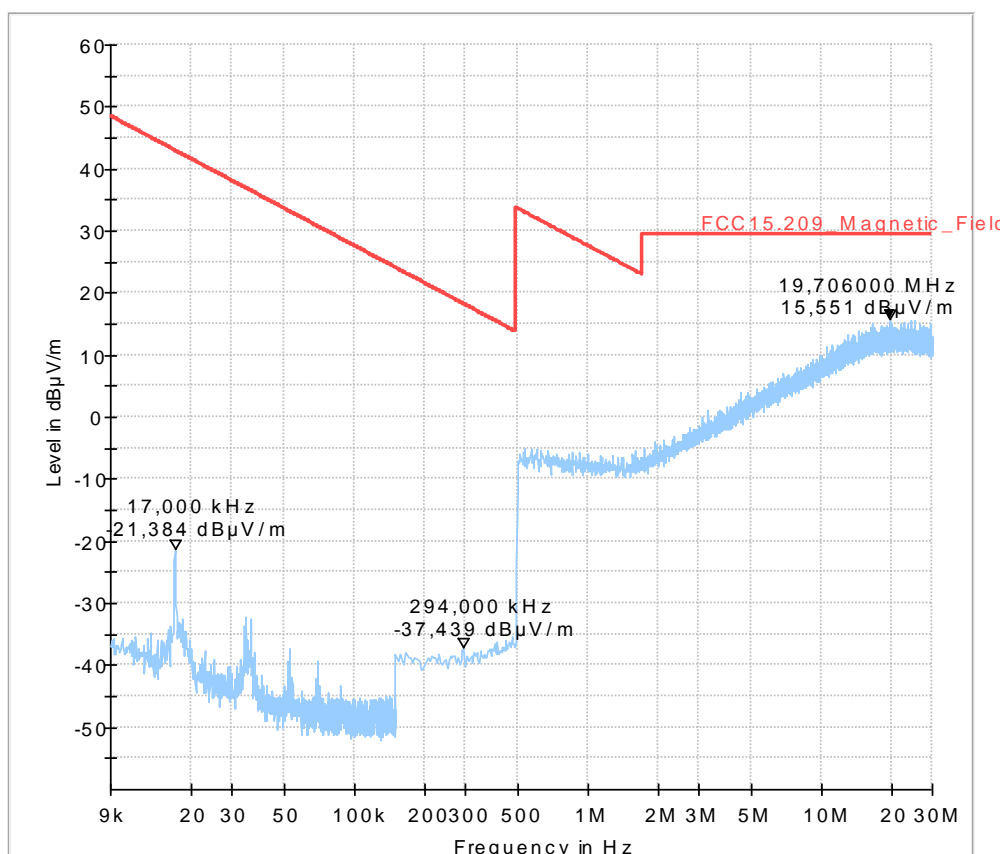


Diagram No: 2.03_WLAN_n-mode_MCS0_CH6_9kHz-30 MHz

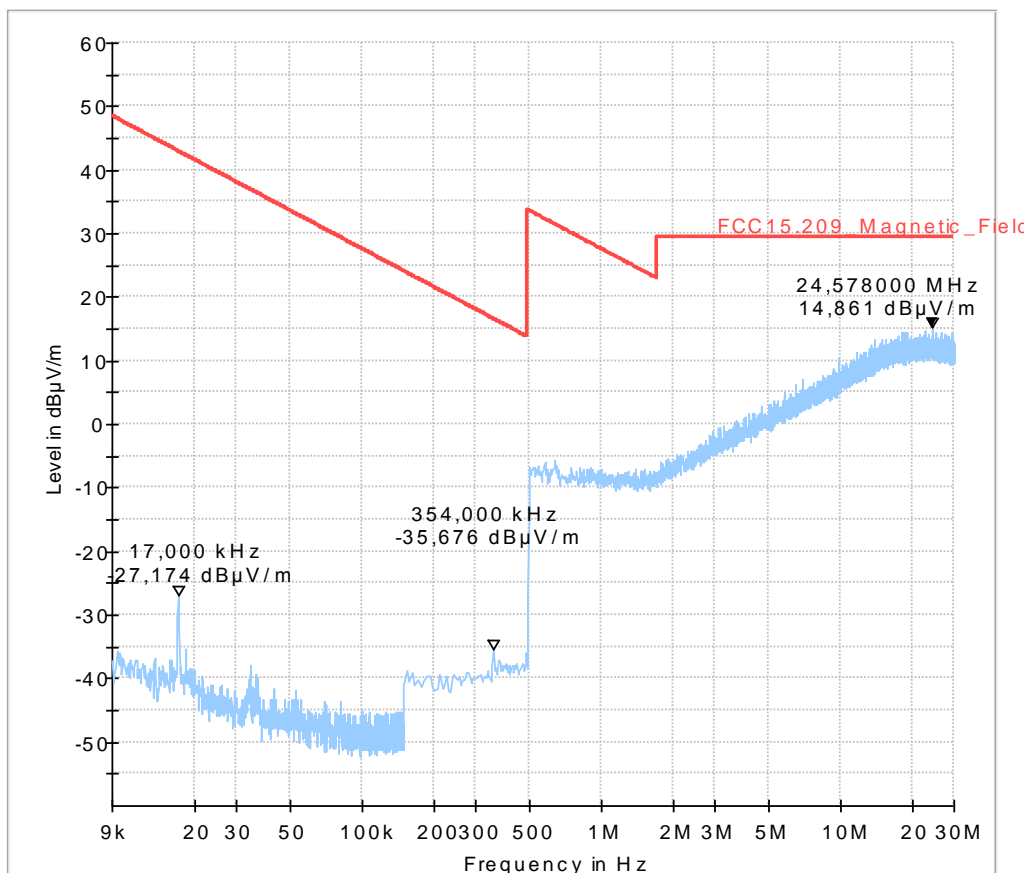
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Environment Conditions:	Humidity: 45%rH; Temperature: 22°C
Operator:	KMo
Operating Mode:	W-LAN, n-Mode, MCS0, Ch6

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



5. Radiated field strengths measurements (30MHz to 1GHz)

Diagram No: 3.01_WLAN_b mode_1Mbps_Ch11_30 MHz - 1 GHz

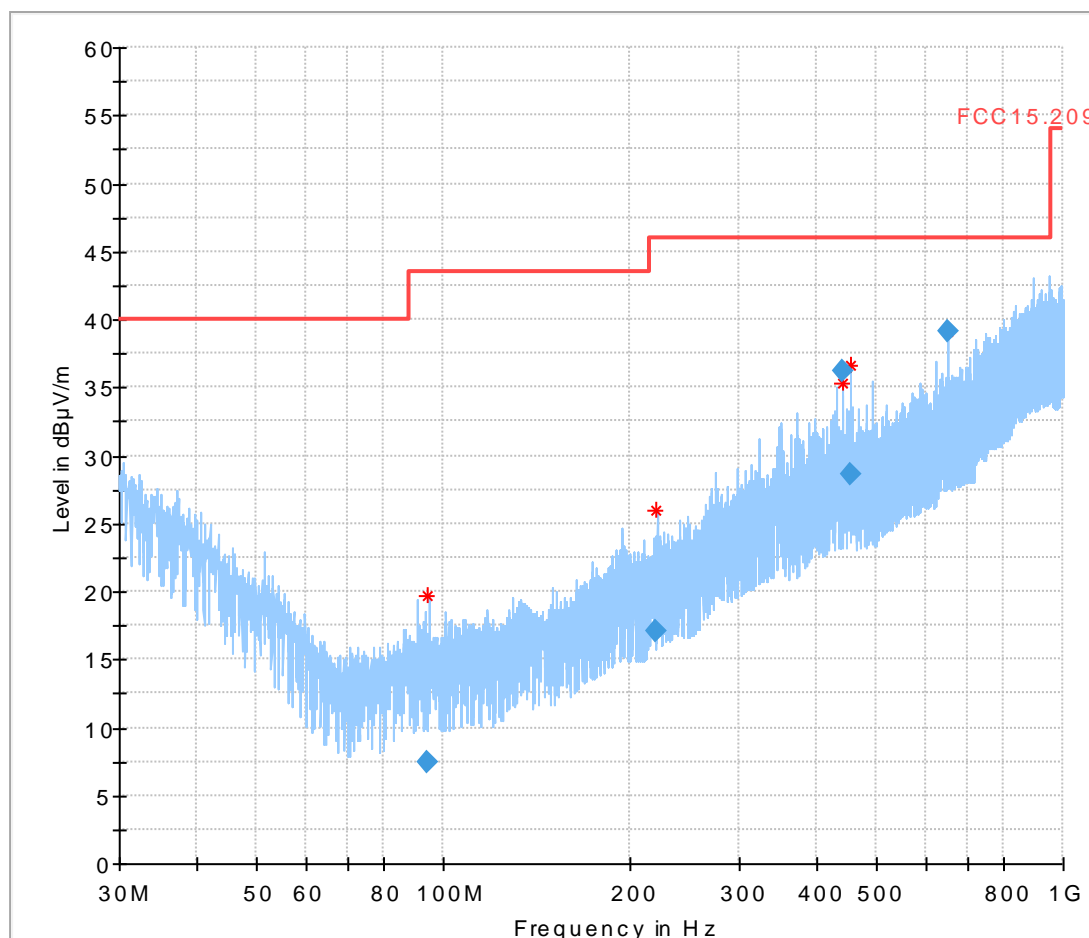
Common Information

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
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	TP NLP-1200
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	Mra
Operating conditions:	TX-on Continuous
Operating Mode:	W-LAN, b-Mode, 1MBit, Ch11

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
94.010000	7.44	43.50	36.06	1000.0	120.000	145.0	V	278.0	90.0	8.3
219.960000	17.06	46.00	28.94	1000.0	120.000	120.0	H	114.0	90.0	12.3
442.000000	36.14	46.00	9.86	1000.0	120.000	105.0	V	178.0	0.0	19.4
453.790000	28.61	46.00	17.39	1000.0	120.000	113.0	V	115.0	0.0	19.6
649.970000	39.15	46.00	6.85	1000.0	120.000	105.0	H	259.0	0.0	23.2

Diagram No. 3.02_WLAN_g mode_6Mbps_Ch1_30 MHz - 1 GHz

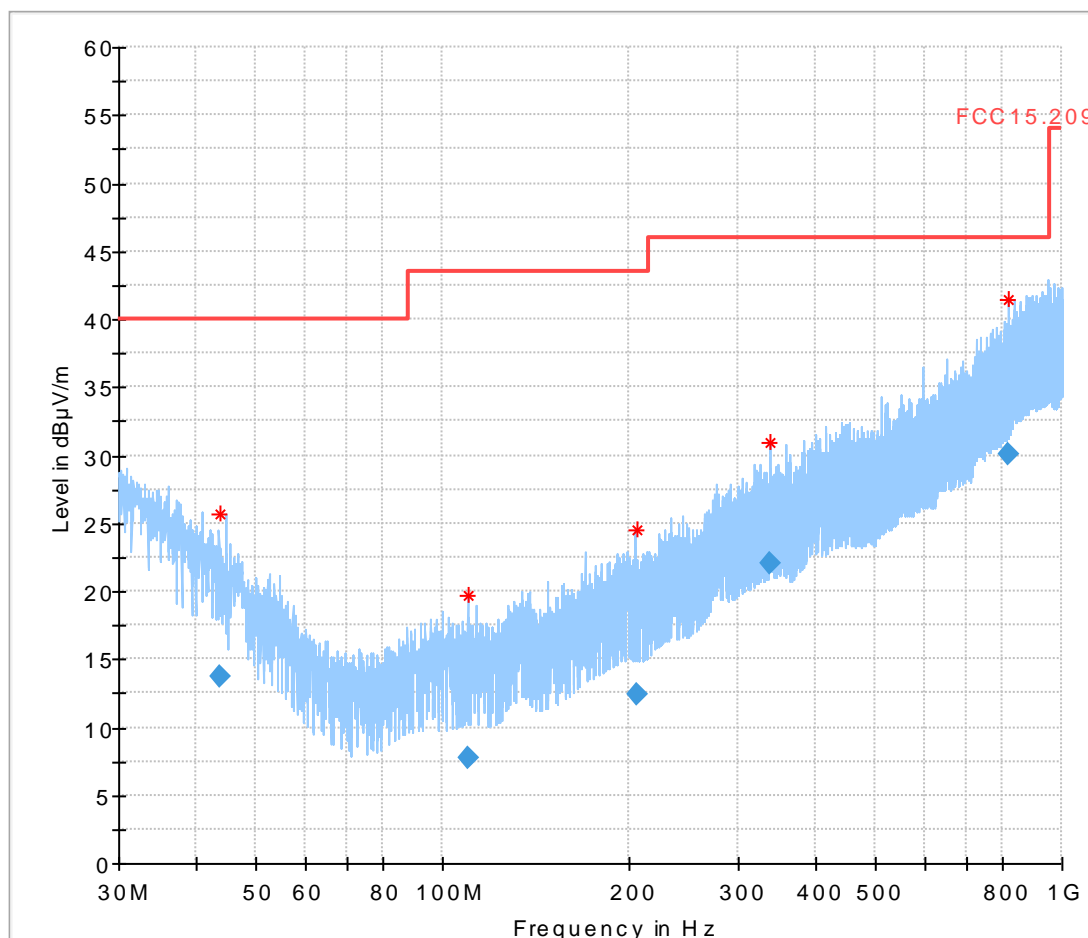
Common Information

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
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	TP NLP-1200
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	Mra
Operating conditions:	TX-on Continuous
Operating Mode:	W-LAN, g-Mode, 6MBit, Ch1

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
43.610000	13.68	40.00	26.32	1000.0	120.000	172.0	H	51.0	90.0	15.6
110.170000	7.68	43.50	35.82	1000.0	120.000	169.0	H	28.0	90.0	8.2
206.080000	12.42	43.50	31.08	1000.0	120.000	158.0	H	335.0	0.0	11.5
338.060000	22.01	46.00	23.99	1000.0	120.000	129.0	V	207.0	90.0	16.4
817.700000	30.04	46.00	15.96	1000.0	120.000	230.0	H	75.0	0.0	25.2

Diagram No. 3.03_WLAN_n mode_MCS0_Ch6_30 MHz - 1 GHz

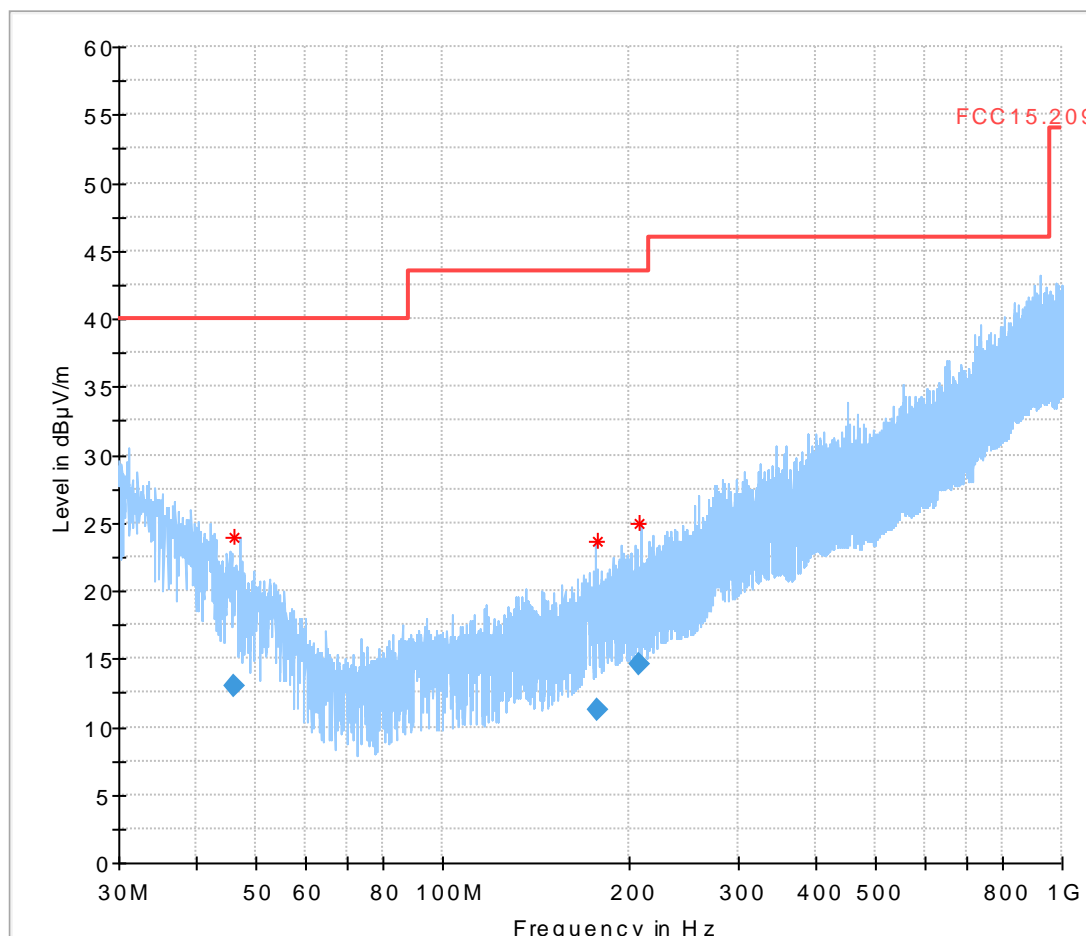
Common Information

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
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	TP NLP-1200
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	Mra
Operating conditions:	TX-on Continuous
Operating Mode:	W-LAN, n-Mode, MCS0, Ch6

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
45.900000	13.05	40.00	26.95	1000.0	120.000	133.0	V	337.0	0.0	14.7
177.310000	11.26	43.50	32.24	1000.0	120.000	195.0	H	235.0	90.0	10.5
207.990000	14.62	43.50	28.88	1000.0	120.000	242.0	V	296.0	0.0	11.6

6. Radiated field strength measurements (1GHz to 25 GHz)

Diagram No: 4.01_WLAN_b mode_1Mbps_Ch11_1-18 GHz

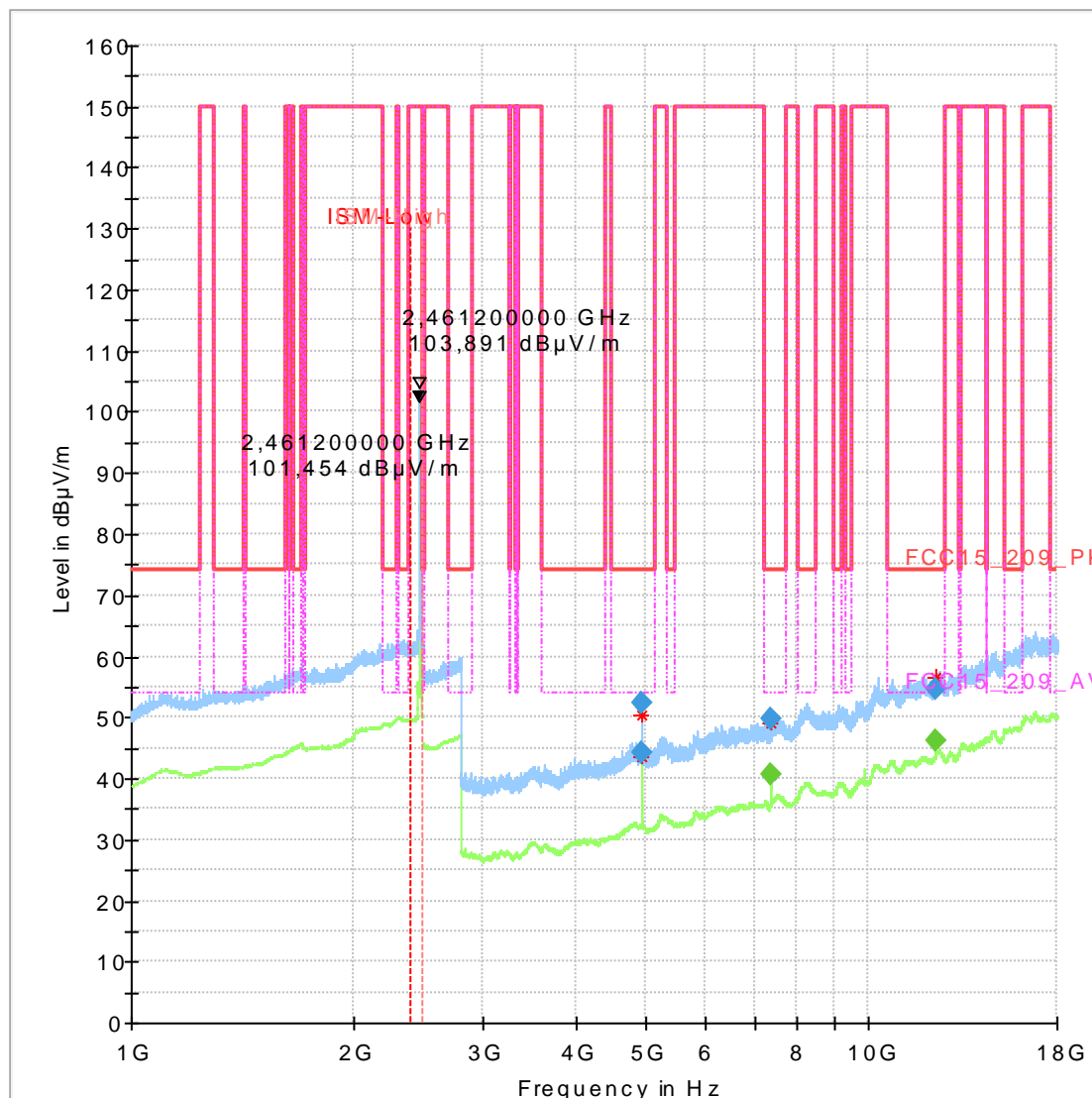
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 b-mode, BW 20 MHz channel 11; Data rate 1 Mbps
Operator Name:	RLs

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4924.040000	52.33	---	74.00	21.67	100.0	1000.000	155.0	V	161.0
4928.040000	44.29	---	74.00	29.71	100.0	1000.000	155.0	H	66.0
7385.400000	---	40.52	54.00	13.48	100.0	1000.000	155.0	V	211.0
7385.400000	49.75	---	74.00	24.25	100.0	1000.000	155.0	V	201.0
12300.320000	54.75	---	74.00	19.25	100.0	1000.000	155.0	H	315.0
12309.560000	---	46.21	54.00	7.79	100.0	1000.000	155.0	H	222.0

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

Frequency (MHz)	Elevation (deg)	Corr. (dB)	Comment
4924.040000	0.0	4.4	15:09:17 - 31.03.2016
4928.040000	0.0	4.4	15:07:44 - 31.03.2016
7385.400000	0.0	10.8	15:15:22 - 31.03.2016
7385.400000	0.0	10.8	15:10:38 - 31.03.2016
12300.320000	90.0	18.2	15:12:21 - 31.03.2016
12309.560000	0.0	18.3	15:13:52 - 31.03.2016

Diagram No: 4.01a_WLAN_b mode_1Mbps_Ch11_18-25 GHz

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX mode continuous b mode_1Mbps_Ch11
Operator Name:	TFR

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HL0GT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

FCC_Sweep_15.247_18_25GHz_Pre

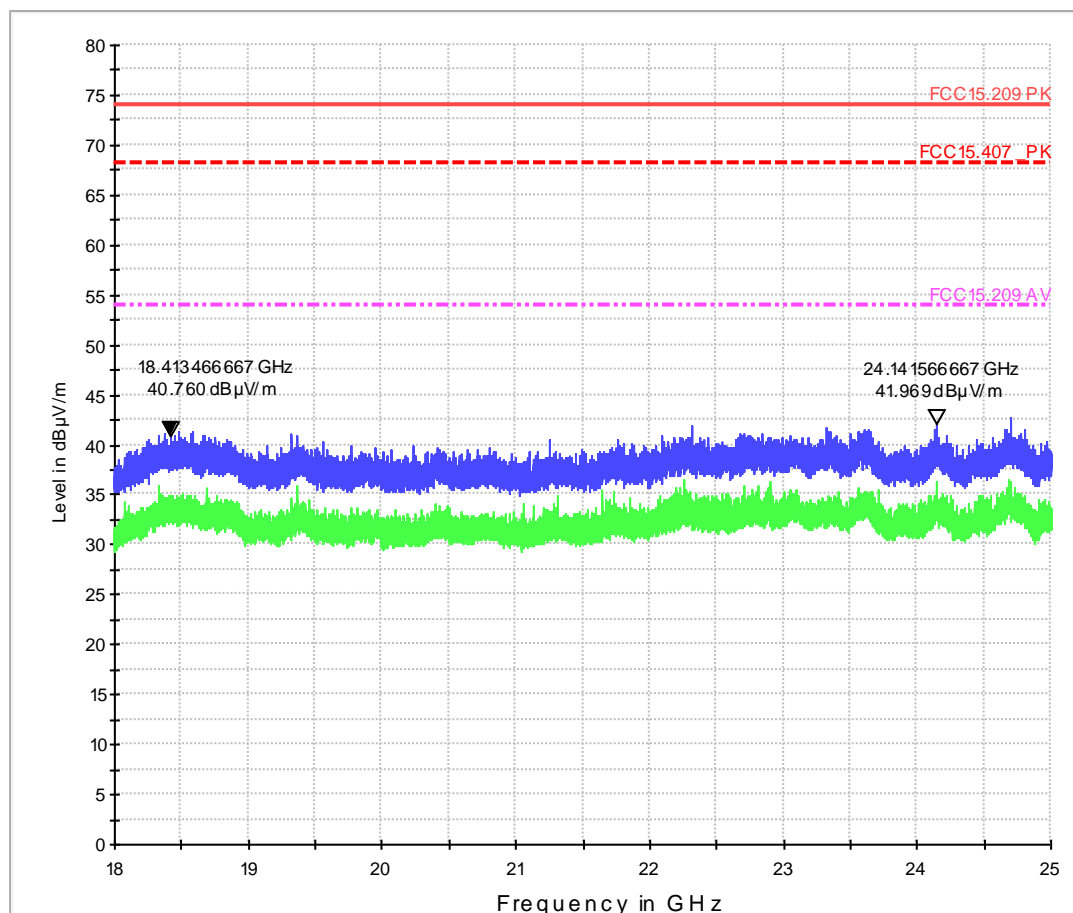


Diagram No: 4.02_WLAN 802.11_g-mode__6Mbps_CH1_1-18 GHz

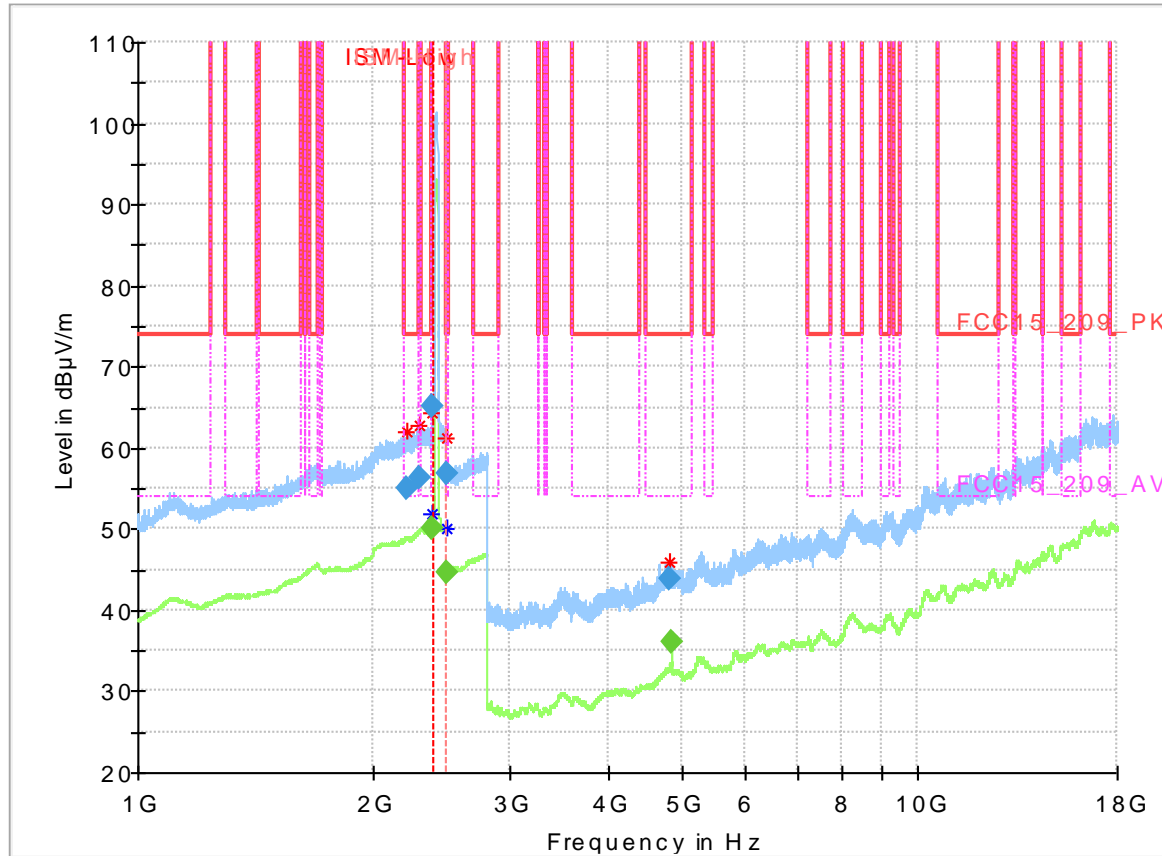
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous g mode 6 Mbps Ch1
Operator Name:	KMo

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
2207.080000	55.12	---	74.00	18.88	100.0	1000.000	155.0	V	239.0	90.0
2295.200000	56.32	---	74.00	17.68	100.0	1000.000	155.0	V	-40.0	0.0
2388.920000	65.14	---	74.00	8.86	100.0	1000.000	155.0	V	267.0	90.0
2389.840000	---	50.20	54.00	3.80	100.0	1000.000	155.0	V	263.0	90.0
2483.500000	56.87	---	74.00	17.13	100.0	1000.000	155.0	V	1.0	90.0
2483.500000	---	44.57	54.00	9.43	100.0	1000.000	155.0	H	97.0	90.0
4816.600000	43.90	---	74.00	30.10	100.0	1000.000	155.0	V	138.0	0.0
4824.040000	---	36.11	54.00	17.89	100.0	1000.000	155.0	V	146.0	0.0

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

Frequency (MHz)	Corr .
2207.080000	35.1
2295.200000	35.6
2388.920000	35.5
2389.840000	35.5
2483.500000	35.6
2483.500000	35.6
4816.600000	4.9
4824.040000	4.8

Diagram No: 4.02a_WLAN 802.11_g-mode__6Mbps_CH1_18-25 GHz

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX mode continuous CH1-gMode-6MBit
Operator Name:	TFr

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HL0GT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

FCC_Sweep_15.247_18_25GHz_Pre

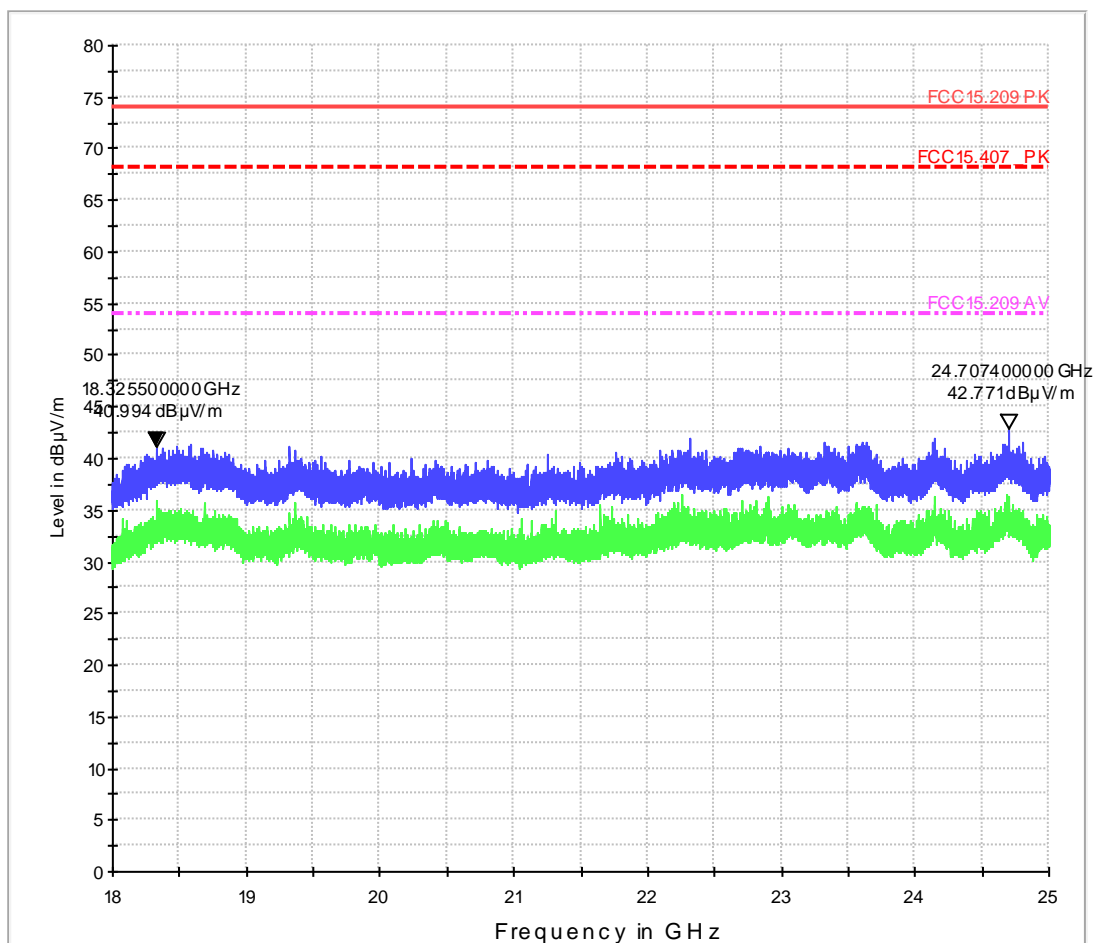


Diagram No: 4.03_WLAN 802.11_n-mode _MCS0_CH6_1-18 GHz

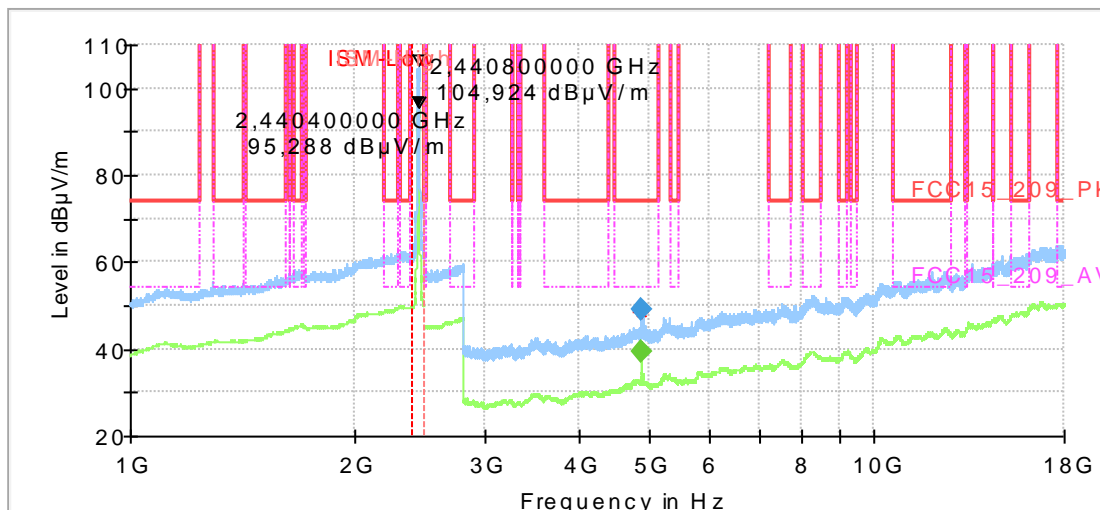
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous n mode MCS0 Ch6
Operator Name:	RI

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery
Comments:	--

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
4874.040000	---	39.17	54.00	14.83	100.0	1000.000	155.0	V	150.0	0.0
4874.040000	49.20	---	74.00	24.80	100.0	1000.000	155.0	V	146.0	0.0

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

Frequency (MHz)	Corr .	Comment
4874.040000	4.7	10:36:36 - 31.03.2016
4874.040000	4.7	10:35:20 - 31.03.2016

Diagram No: 4.03a_WLAN 802.11_n-mode_MCS0_CH6_18-25 GHz

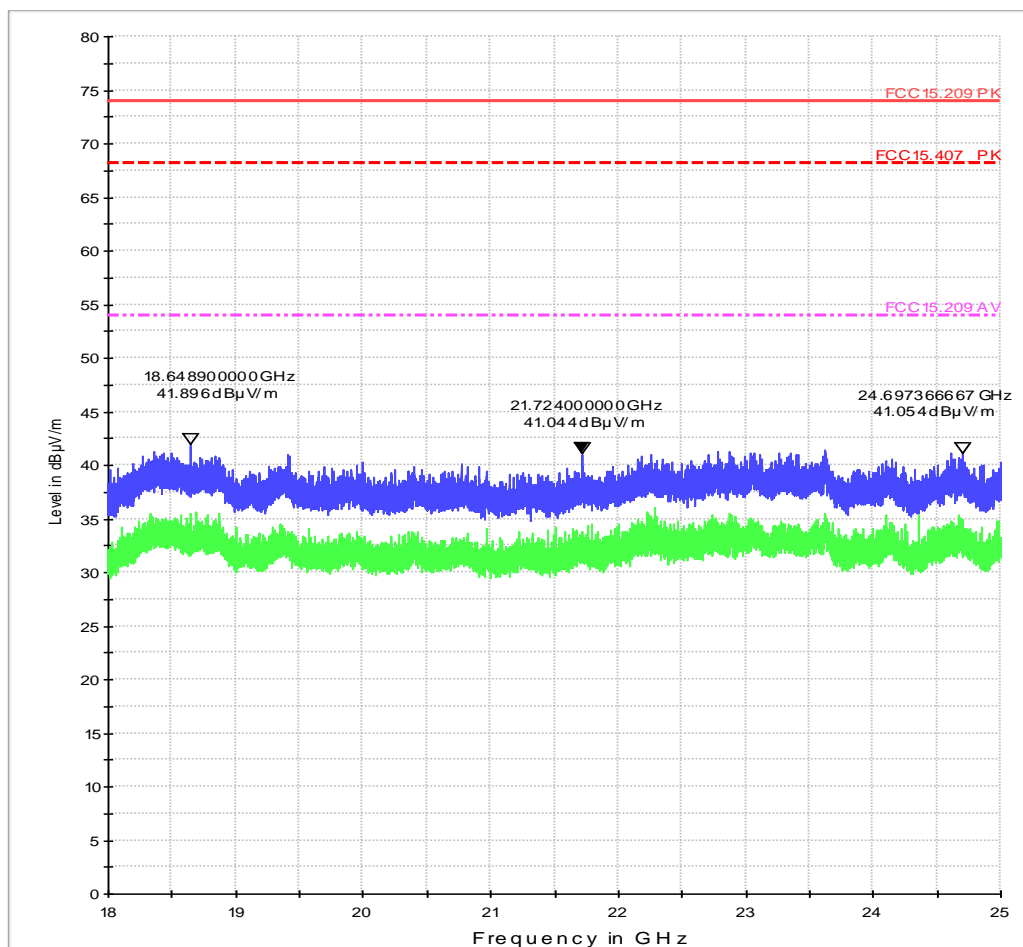
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX mode continuous CH6-nMode-MCS0
Operator Name:	TFR

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HL0GT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery
Comments:	--

FCC_Sweep_15.247_18_25GHz_Pre



7. Radiated Band-Edge Measurements accord. §15.209 & §15.205

7.1. Channel 1 b-Mode (left band edge)

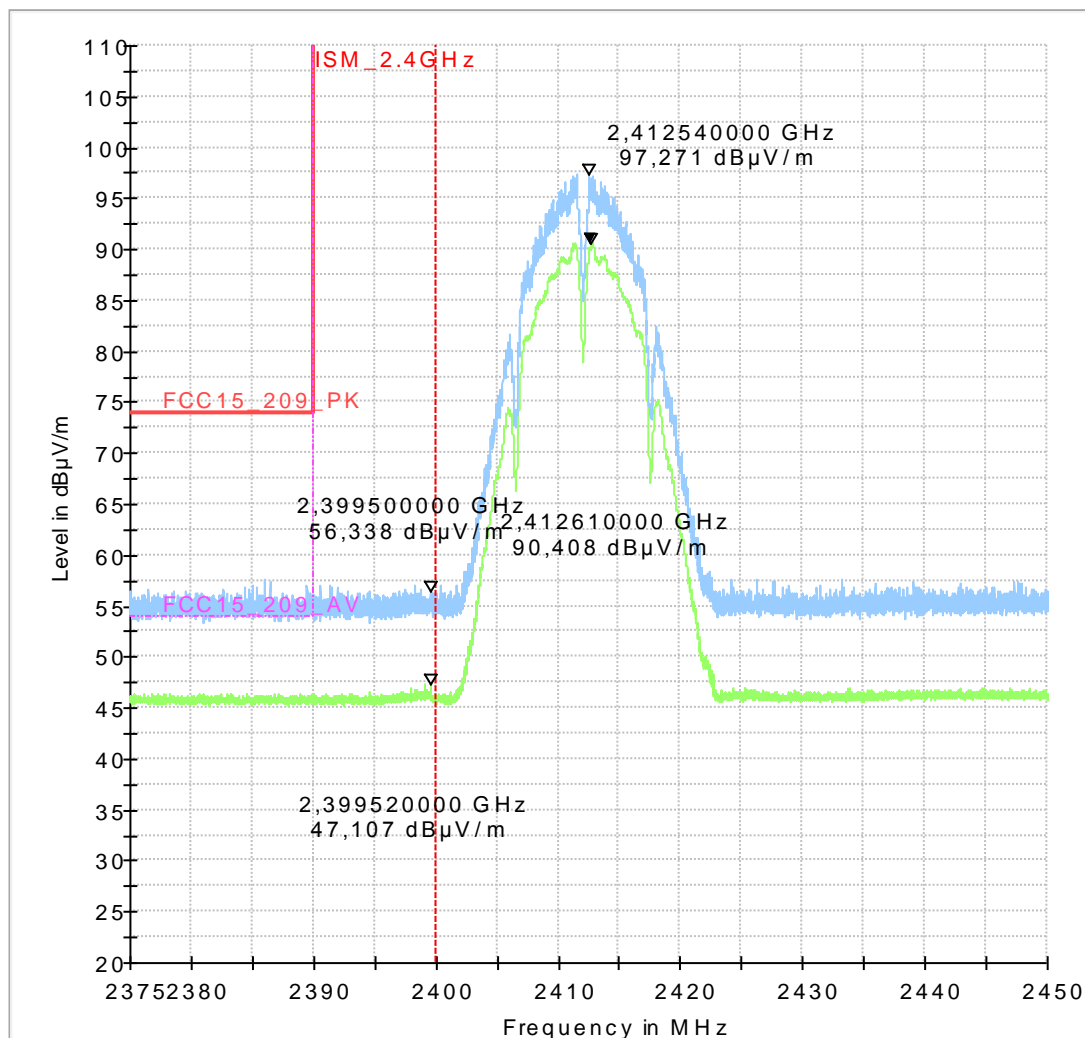
Diagram No: 9.01_BE_Low_b-mode_BW 20 MHz CH1_1Mbps

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 b-mode, BW 20 MHz channel 1; Data rate 1Mbps
Operator Name:	KMo
Environmental Conditions:	Humidity: 38%rH; Temperature: 22°C

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HL0GT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery



7.2. Channel 11 b-Mode (right band edge)

Diagram No: 9.02_BE_High_b-mode_BW 20 MHz CH11_1Mbps

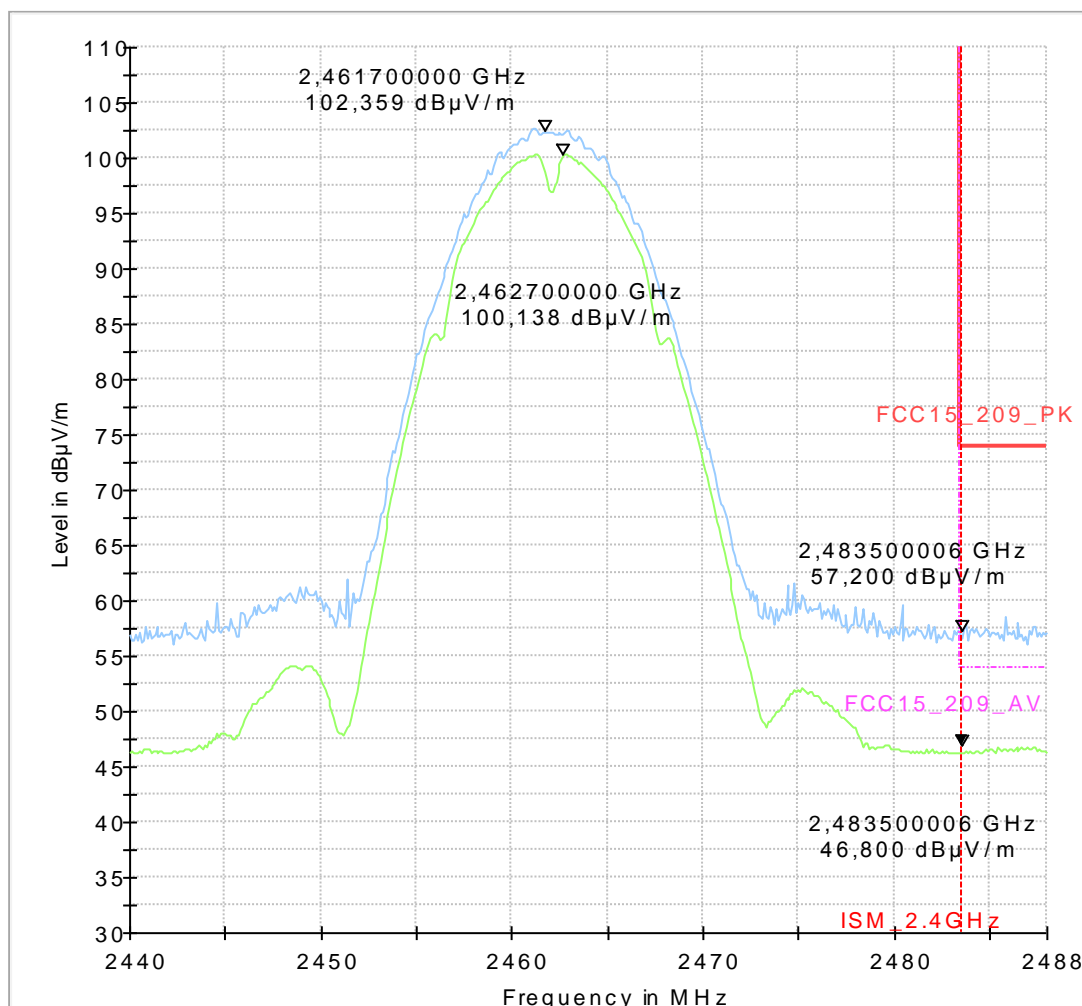
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 b-mode, BW 20 MHz channel 11; Data rate 1Mbps
Environment Conditions:	Humidity: 38%rH; Temperature: 22°C
Operator Name:	KMo

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HL0GT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



7.3. Channel 1 g-Mode (left band edge)

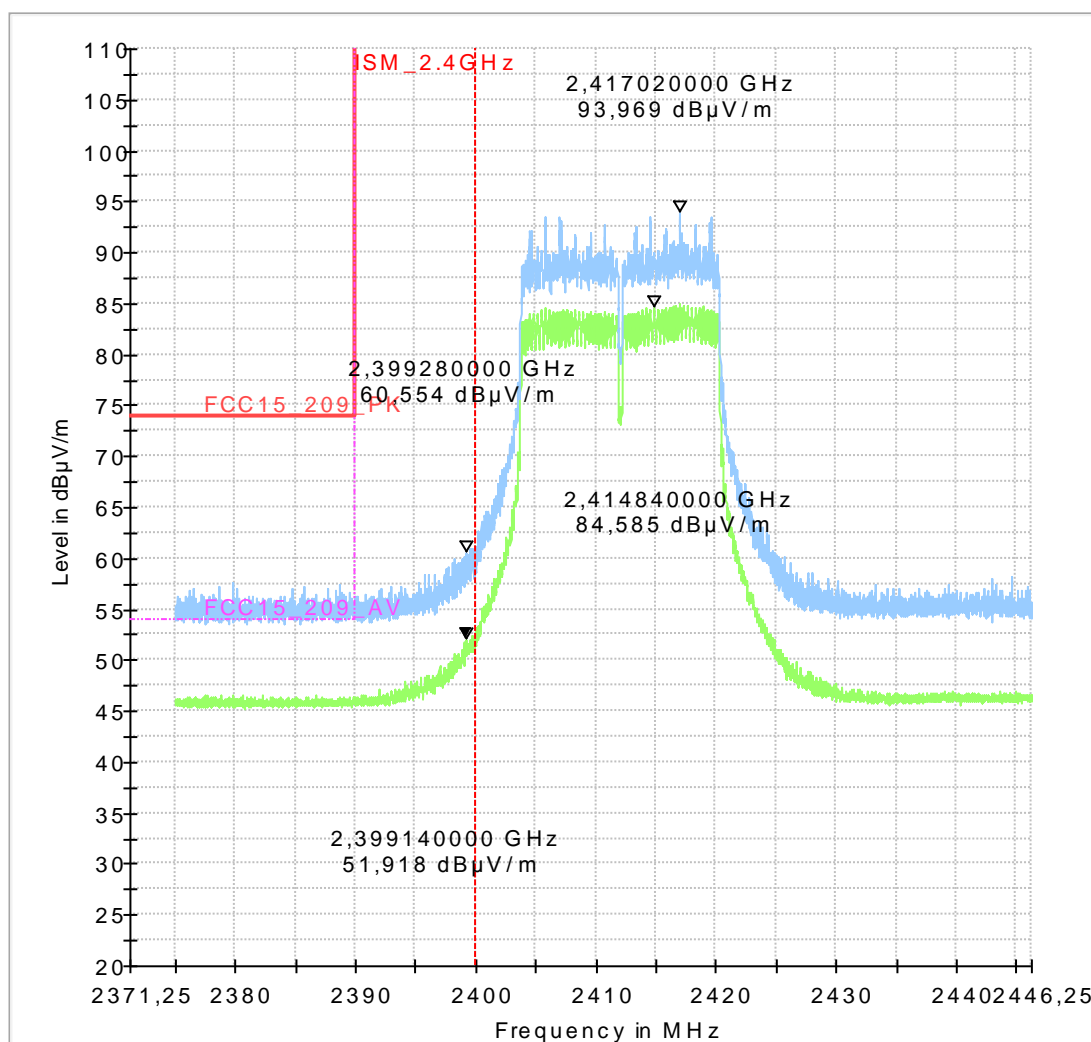
Diagram No: 9.03_BE_Low_g-mode_BW 20 MHz CH1_6Mbps

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 g-mode, BW 20 MHz channel 1; Data rate 1Mbps
Operator Name:	KMo
Environmental Conditions:	Humidity: 38%rH; Temperature: 22°C

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery



7.4. Channel 11 g-Mode (right band edge)

Diagram No.: 9.10_BE_High_TX_g-mode_BW 20 MHz CH11_6Mbps

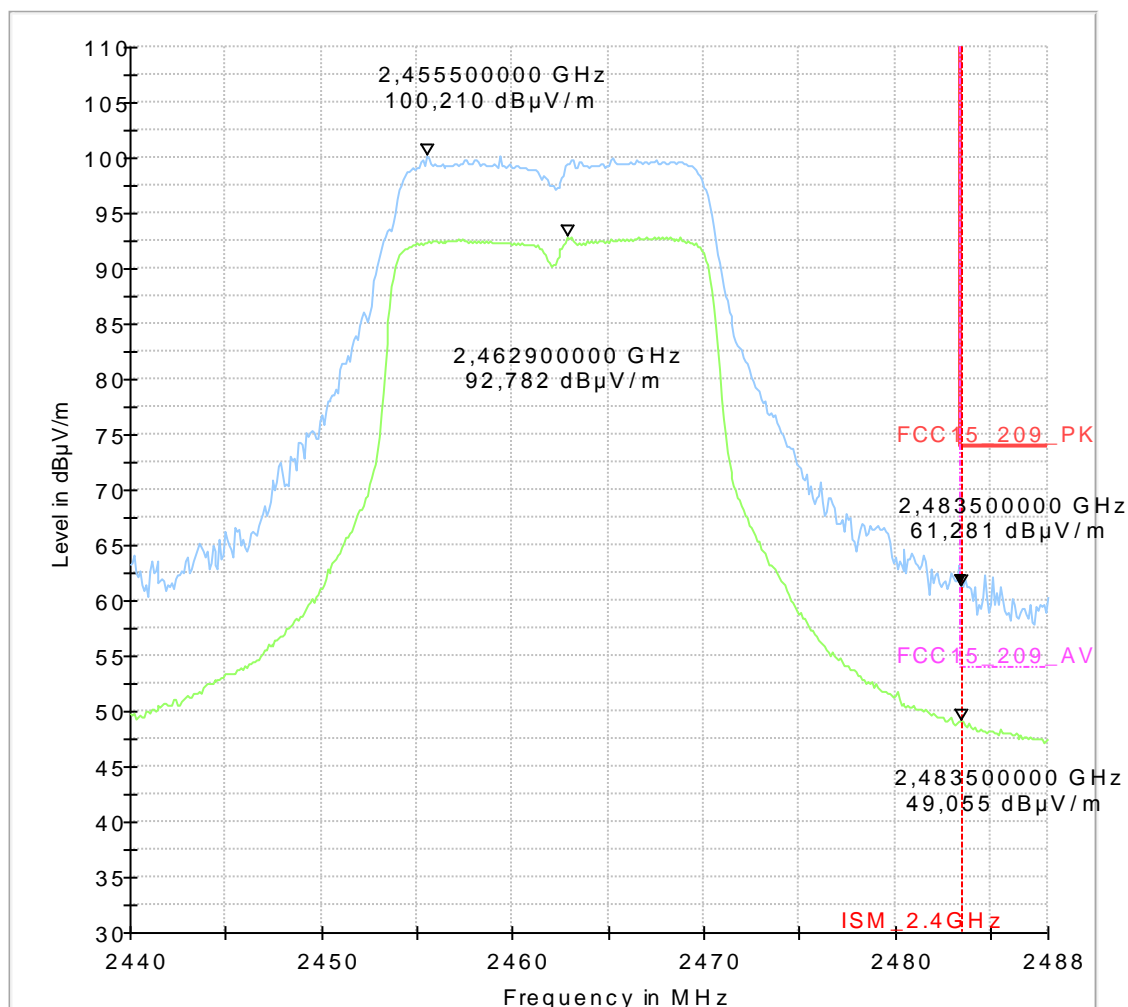
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 g-mode, BW 20 MHz channel 11; Data rate 6Mbps
Environment Conditions:	Humidity: 34%rH; Temperature: 23°C
Operator Name:	APh

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum



7.5. Channel 1 n-Mode(HT20) (left band edge)

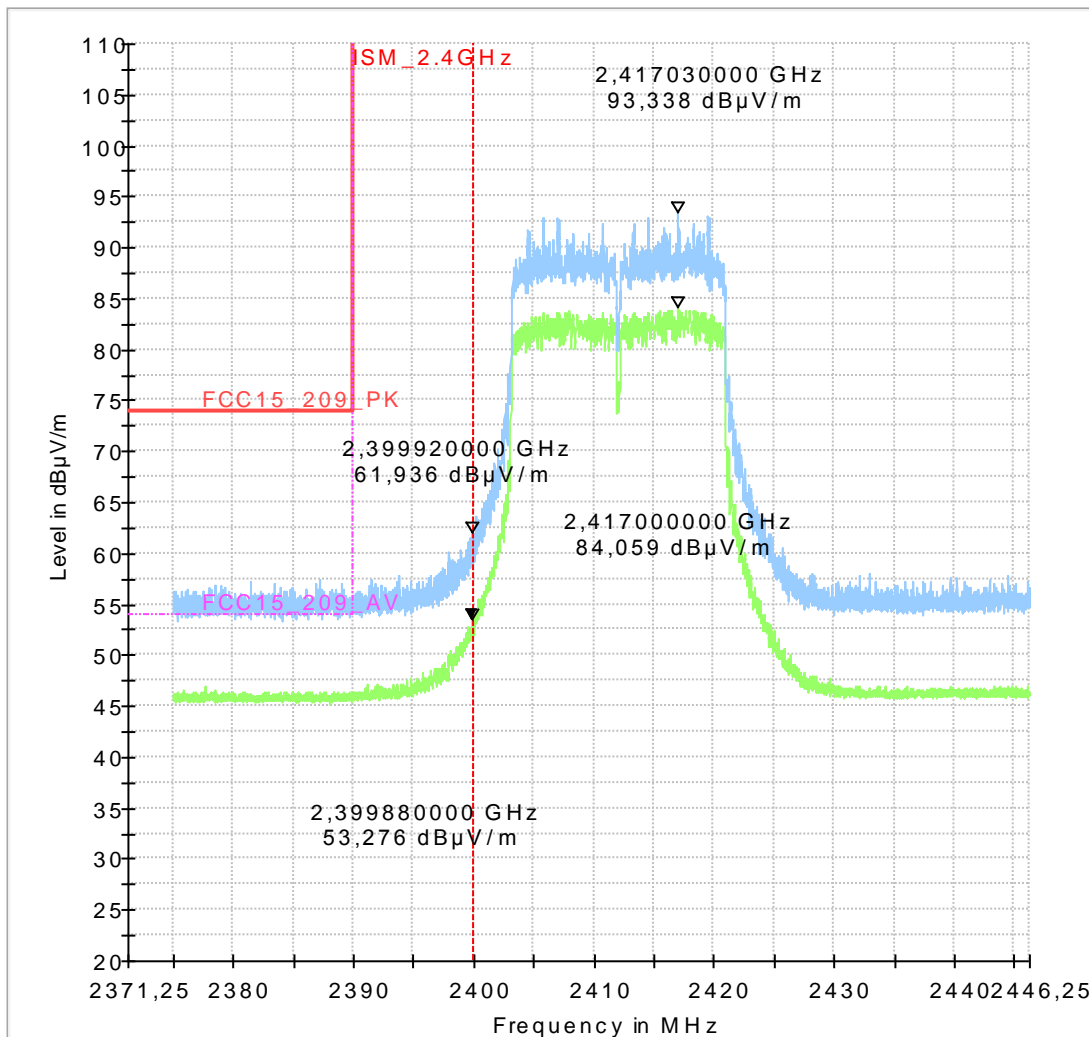
Diagram No: 9.05_BE_Low_n-mode_BW 20 MHz CH1_MCS0

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 n-mode, BW 20 MHz channel 1; Data rate MCS0
Operator Name:	KMo
Environmental Conditions	Humidity: 38%rH; Temperature: 22°C

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery



7.6. Channel 11 n-Mode(HT20) (right band edge)

Diagram No: 9.11_BE_High_TX_n-mode_BW 20 MHz CH11_MCS0

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	TX-on WLAN 802.11 n-mode, BW 20 MHz channel 11; Data rate MCS0
Environment Conditions:	Humidity: 34%rH; Temperature: 23°C
Operator Name:	APh

EUT Information

Manufacturer:	Datalogic ADCL S.r.l.
MODEL:	JOYA TOUCH
EuT Type:	B00AN00HLOGT0W7-GRR
P/N:	911350024
S/N:	Z16P00218
HW Version:	Beta HW Version
SW Version:	WEC7
Firmware Version:	2.16
Input:	Fully Charged Internal Battery

Full Spectrum

