

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0130901T04a-C1

According to:

FCC Regulations

Part 15.205

Part 15.209

Part 15.247

ISED-Regulations

RSS-Gen, Issue 5

RSS-247, Issue 2

for

Vorwerk Elektrowerke GmbH & Co. KG

Thermomix TM6-5
Household equipment with WLAN

FCC ID: 2AGELTM65

ISED: 20889-TM65


Laboratory Accreditation
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Table of contents

1. CONDUCTED EMISSIONS ON AC-POWER LINES	3
2. CONDUCTED MEASUREMENTS	5
2.1. Conducted Peak output power	5
2.2. 6dB Bandwidth	7
2.3. 99% Occupied Bandwidth	18
2.4. Frequency Stability	29
2.5. 20dBc Tx Spurious Emissions	31
3. RADIATED MEASUREMENTS	41
3.1. Radiated magnetic field measurements below 30 MHz	41
3.2. Radiated electric field measurement 30 MHz to 1 GHz	47
3.3. Radiated electric field measurement 1 GHz to 18 GHz	54
3.4. Radiated electric field measurement 18 GHz to 26.5 GHz	66
3.5. Low Band edge compliance	69
3.6. High Band edge compliance	73

1. Conducted emissions on AC-Power lines

1.01_WLAN_24

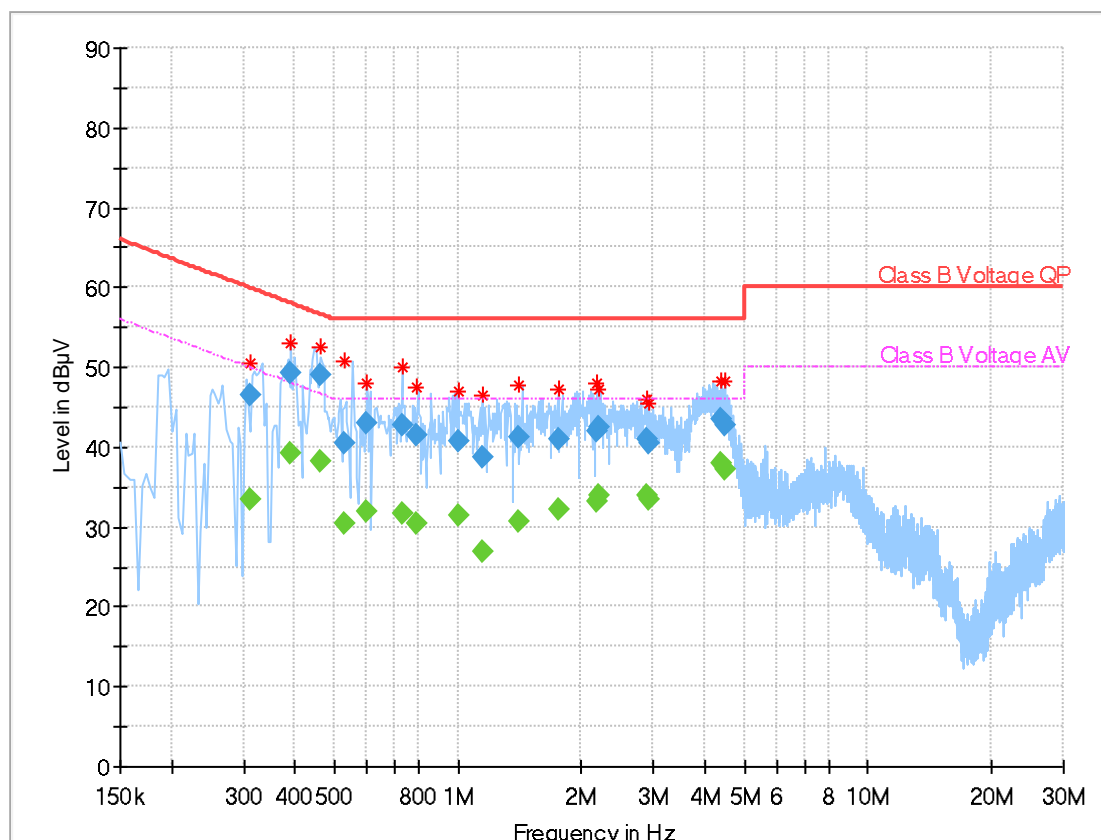
Common Information

Test Description:	Conducted Voltage Measurement Class B
Test Site & Location:	Conducted Emission, CETECOM GmbH Essen
Test Software:	R&S EMC32 v9.15
Test Specification:	FCC 15.107, FCC 15.207
Operating Mode:	Mixer & Temperature & WLAN 24 CH1
Measured on line:	N/L1
Diagram details:	Shows the peak values as a sum of measured ports in maxhold mode
Environmental Conditions:	Humidity: 40.5%rH; Temperature: 21°C
Operator:	JVo
Comments:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Correction (dB)
0.311094	---	33.43	49.94	16.51	9.000	0.2
0.311094	46.61	---	59.94	13.33	9.000	0.2
0.389688	---	39.27	48.07	8.80	9.000	0.1
0.389688	49.31	---	58.07	8.76	9.000	0.1
0.464375	49.14	---	56.61	7.47	9.000	0.1
0.464375	---	38.11	46.61	8.50	9.000	0.1
0.529844	40.51	---	56.00	15.49	9.000	0.1
0.529844	---	30.54	46.00	15.46	9.000	0.1
0.601719	---	31.88	46.00	14.12	9.000	0.2
0.601719	42.98	---	56.00	13.02	9.000	0.2
0.729531	---	31.70	46.00	14.30	9.000	0.2
0.729531	42.84	---	56.00	13.16	9.000	0.2
0.795938	---	30.43	46.00	15.57	9.000	0.2
0.795938	41.37	---	56.00	14.63	9.000	0.2
1.005156	40.79	---	56.00	15.21	9.000	0.3
1.005156	---	31.46	46.00	14.54	9.000	0.3
1.148594	---	26.89	46.00	19.11	9.000	0.3
1.148594	38.84	---	56.00	17.16	9.000	0.3
1.408750	41.24	---	56.00	14.76	9.000	0.3
1.408750	---	30.70	46.00	15.30	9.000	0.3
1.752969	41.04	---	56.00	14.96	9.000	0.3
1.752969	---	32.11	46.00	13.89	9.000	0.3
2.172656	42.01	---	56.00	13.99	9.000	0.3
2.172656	---	33.28	46.00	12.72	9.000	0.3
2.217813	42.39	---	56.00	13.61	9.000	0.3
2.217813	---	33.85	46.00	12.15	9.000	0.3
2.894063	---	34.04	46.00	11.96	9.000	0.3
2.894063	41.09	---	56.00	14.91	9.000	0.3
2.932031	40.52	---	56.00	15.48	9.000	0.3
2.932031	---	33.50	46.00	12.50	9.000	0.3
4.376250	---	37.92	46.00	8.08	9.000	0.3
4.376250	43.60	---	56.00	12.40	9.000	0.3
4.489063	---	37.22	46.00	8.78	9.000	0.3
4.489063	42.82	---	56.00	13.18	9.000	0.3

2. Conducted Measurements

2.1. Conducted Peak output power

EUT Information

EUT Name:	Thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Product:	Household equipment with WLAN
Serial Number:	18434212024100521
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC 60Hz

b-Mode	Channel No. (Frequency MHz)			Max Rated Power	
Data rate	1 (2412)	6 (2437)	11 (2462)	WLAN 2.4GHz b-Mode	
1MBit	19,67	19,45	18,53	19,67	dBm
2Mbit	19,67	19,46	18,53		
5.5Mbit	19,60	19,34	18,44		
11MBit	19,59	19,33	18,44		

g-Mode	Channel No. (Frequency MHz)			Max Rated Power	
Data rate	1 (2412)	6 (2437)	11 (2462)	WLAN 2.4GHz g-mode	
6Mbit	17,35	17,34	16,30	17,94	dBm
9Mbit	17,62	17,36	16,52		
12Mbit	17,70	17,35	16,57		
18Mbit	17,94	17,54	16,26		
24Mbit	16,87	16,68	15,77		
36Mbit	17,56	17,55	16,79		
48Mbit	17,05	16,86	15,77		
54MBit	17,60	17,45	16,47		

n-Mode HT20	Channel No. (Frequency MHz)			Max Rated Power	
Data rate	1 (2412)	6 (2437)	11 (2462)	WLAN 2.4GHz n-mode HT20	
MCS0 - 6.5Mbps	18,01	16,64	16,64	18,01	dBm
MCS1 - 13Mbps	17,99	17,80	16,87		
MCS2 - 19.5Mbps	16,90	16,59	15,90		
MCS3 - 26Mbps	16,59	16,87	15,82		
MCS4 - 39Mbps	16,79	16,48	16,02		
MCS5 - 52Mbps	16,48	16,31	15,51		
MCS6 - 58.5Mbps	16,48	16,31	15,61		
MCS7 - 65Mbps	16,63	16,33	15,37		

n-Mode HT40	Channel No. (Frequency MHz)			Max Rated Power	
Data rate	3 (2422)	6(2437)	9 (2452)	WLAN 2.4GHz n-mode HT40	
MCS8	14,43	14,29	13,05	14,72	dBm
MCS9	14,72	14,37	13,89		
MCS10	12,56	12,89	11,97		
MCS11	12,56	12,89	11,97		
MCS12	13,30	13,58	13,09		
MCS13	12,78	12,68	12,27		
MCS14	12,71	12,53	12,21		
MCS15	12,83	12,63	12,69		

2.2. 6dB Bandwidth

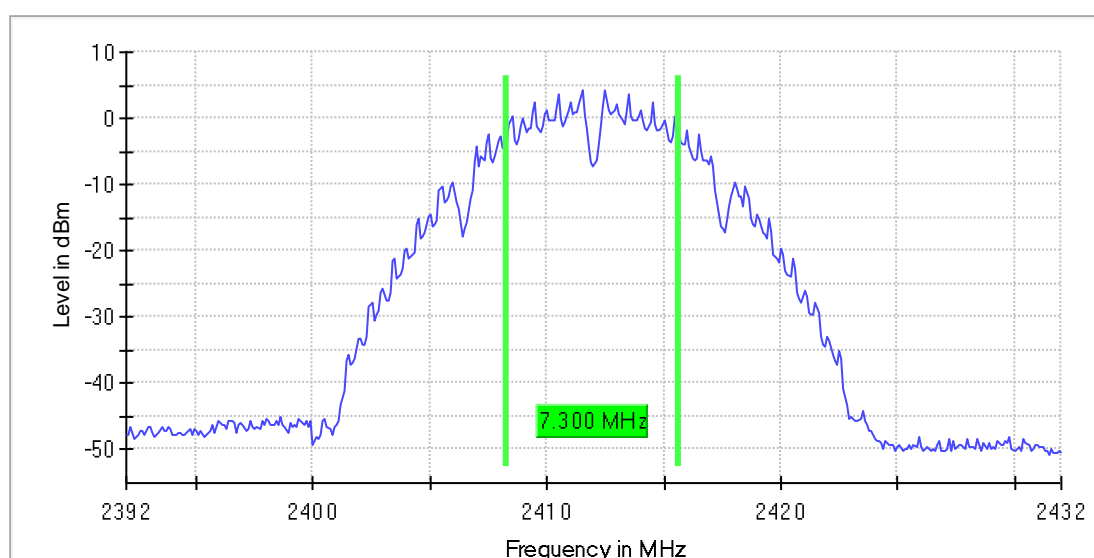
2.2.1. b-mode

6dB_BW_CH01_ bmode_1MBIT

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	7.300000	0.500000	---	2408.300000	2415.600000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	4.3	PASS

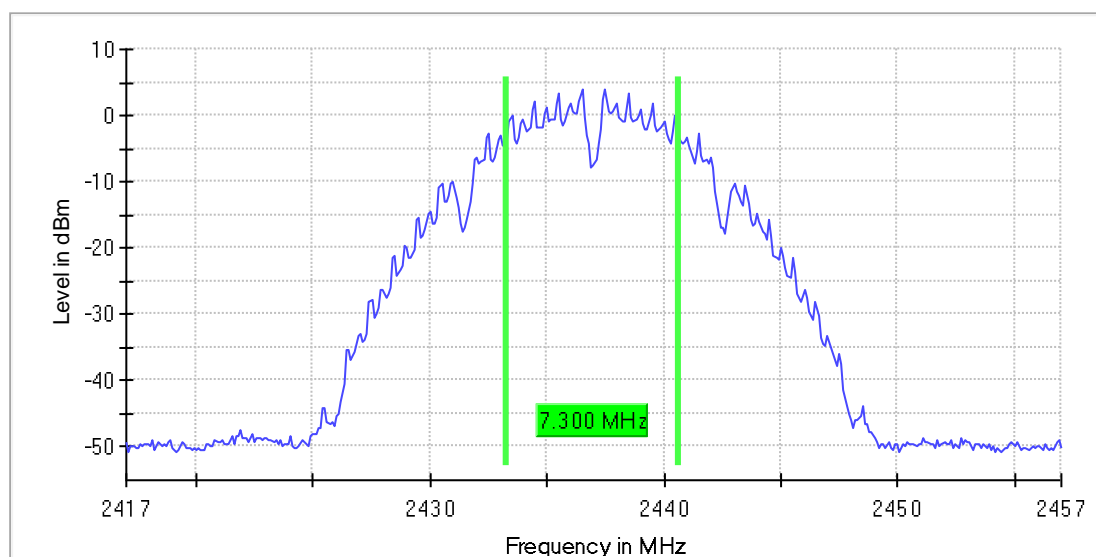


6dB_BW_CH06_bmode_1MBIT

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	7.300000	0.500000	---	2433.300000	2440.600000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	3.9	PASS

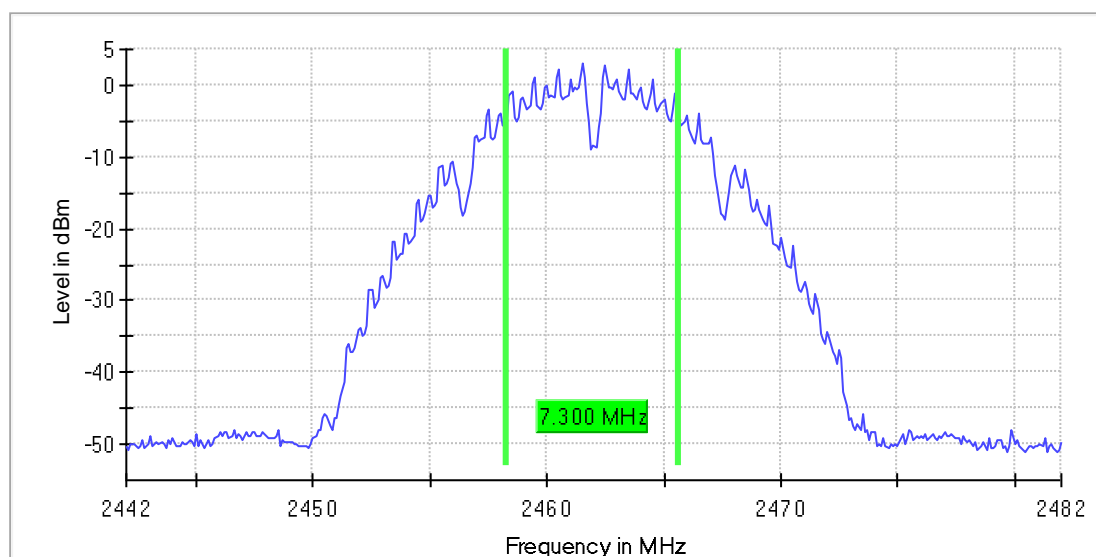


6dB_BW_CH11_bmode_1MBIT

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	7.300000	0.500000	---	2458.300000	2465.600000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	2.9	PASS



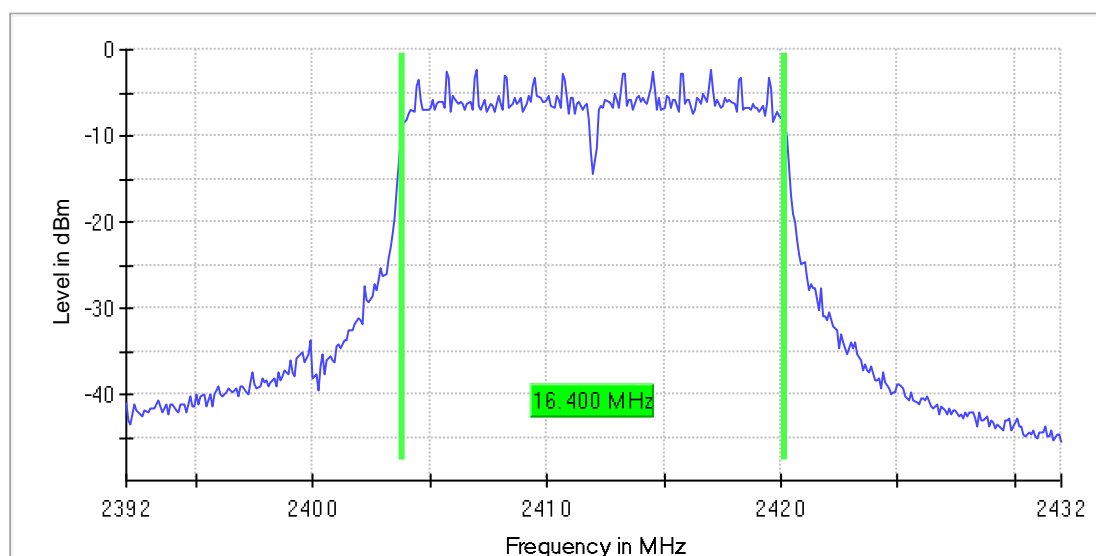
2.2.2. g-mode

6dB_BW_CH01_g-mode_18MBIT

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	16.400000	0.500000	---	2403.800000	2420.200000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-2.4	PASS

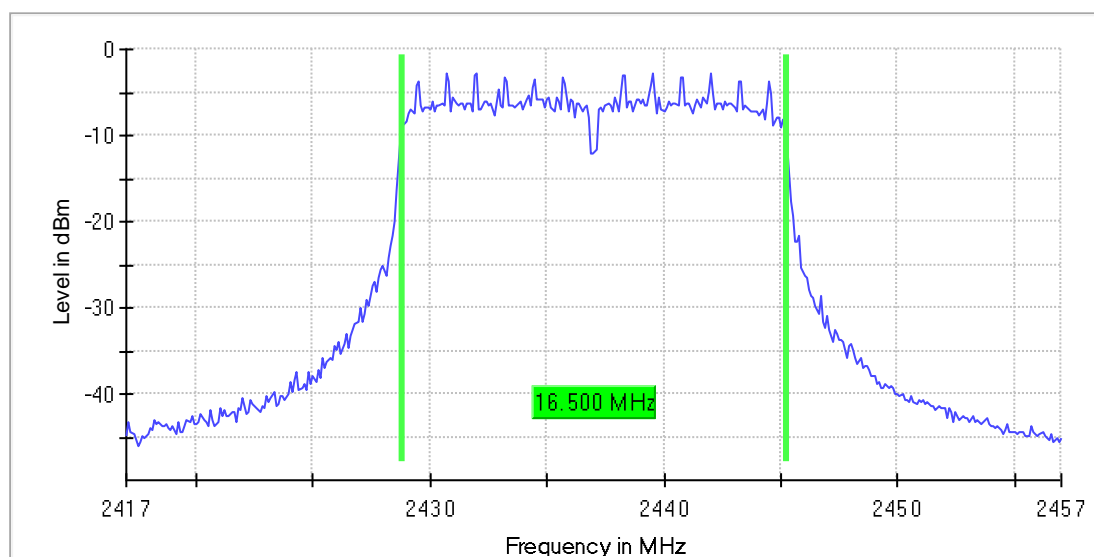


6dB_BW_CH06_g-mode_18MBIT

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	16.500000	0.500000	---	2428.800000	2445.300000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	-2.7	PASS

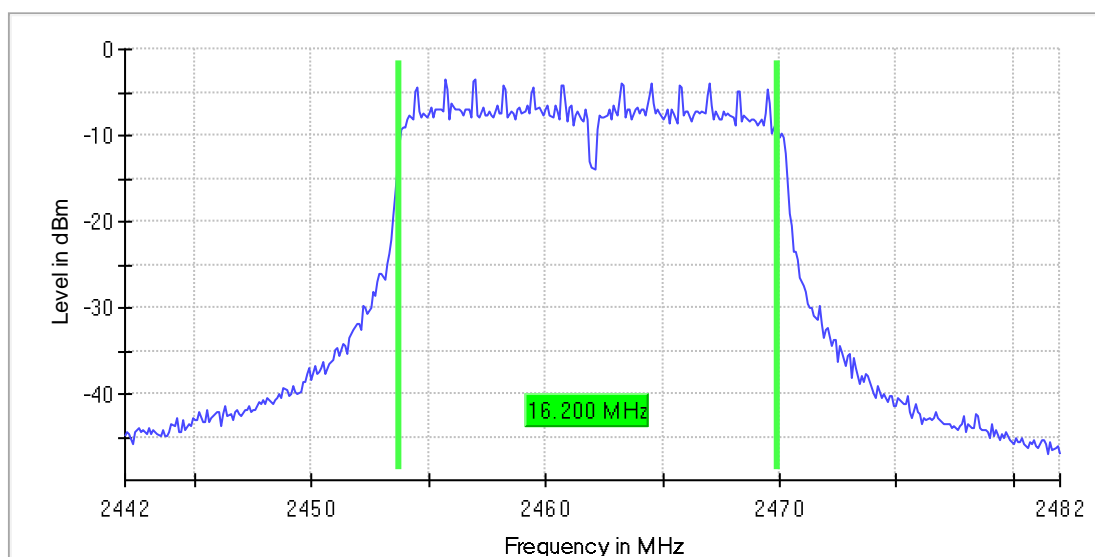


6dB_BW_CH11_g-mode_18MBIT

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.200000	0.500000	---	2453.700000	2469.900000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	-3.4	PASS



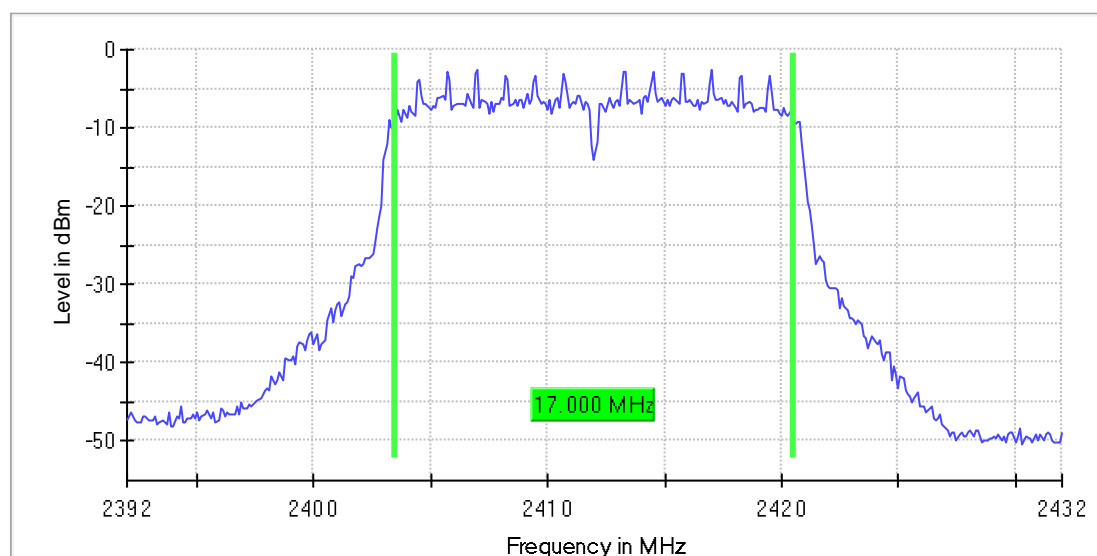
2.2.3. n-mode(HT20)

6dB_BW_CH01_n-mode_MCS0

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	17.000000	0.500000	---	2403.500000	2420.500000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-2.6	PASS

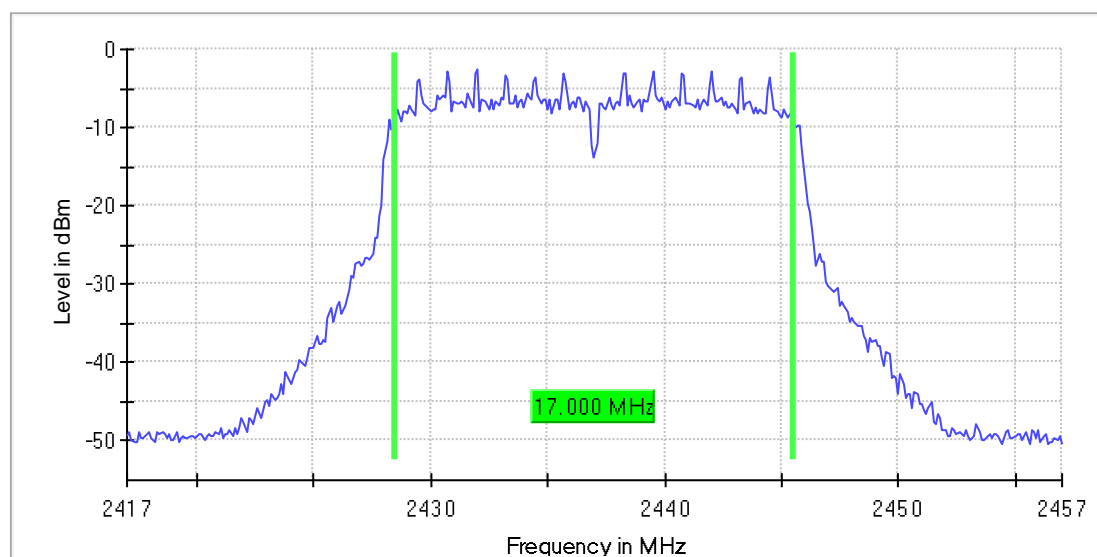


6dB_BW_CH06_n-mode_MCS0

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	17.000000	0.500000	---	2428.500000	2445.500000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	-2.6	PASS

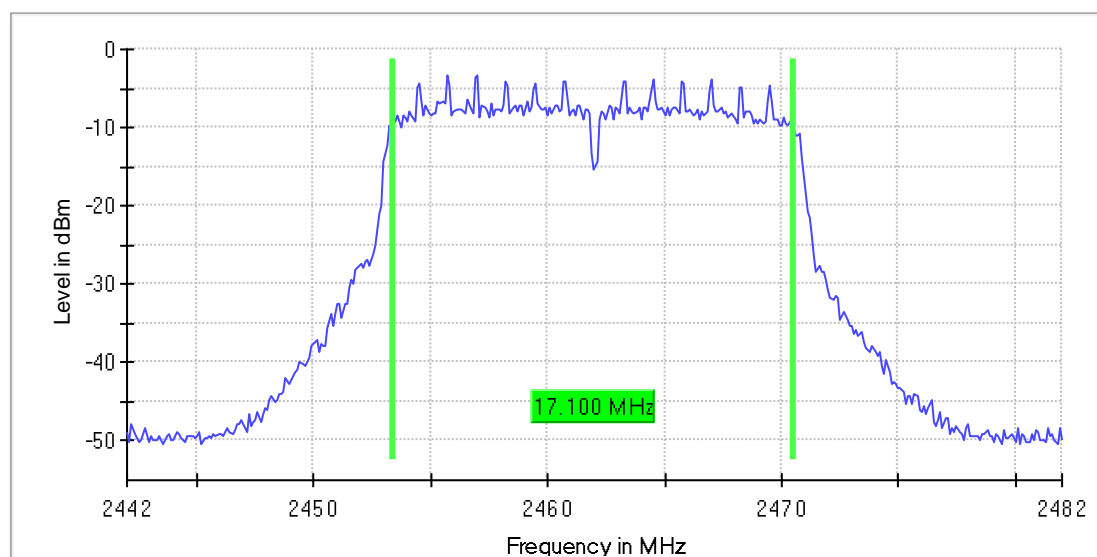


6dB_BW_CH11_n-mode_MCS0

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	17.100000	0.500000	---	2453.400000	2470.500000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	-3.4	PASS



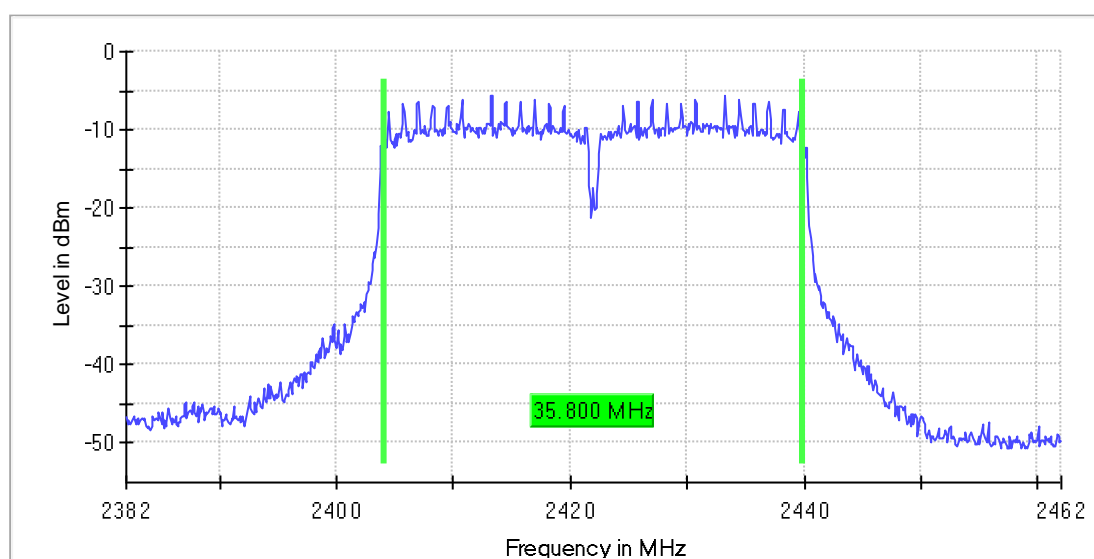
2.2.4. n-mode(HT40)

6dB_BW_CH3_n-mode_MCS1

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	35.800000	0.500000	---	2404.100000	2439.900000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2422.000000	-5.6	PASS

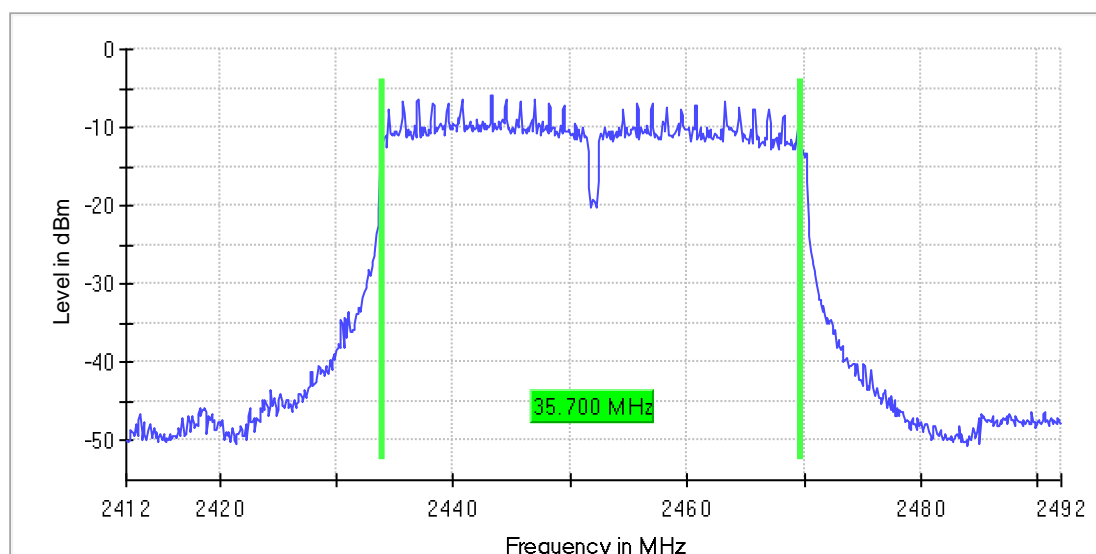


6dB_BW_CH9_n-mode_MCS1

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	35.700000	0.500000	---	2434.000000	2469.700000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2452.000000	-5.8	PASS



2.3. 99% Occupied Bandwidth

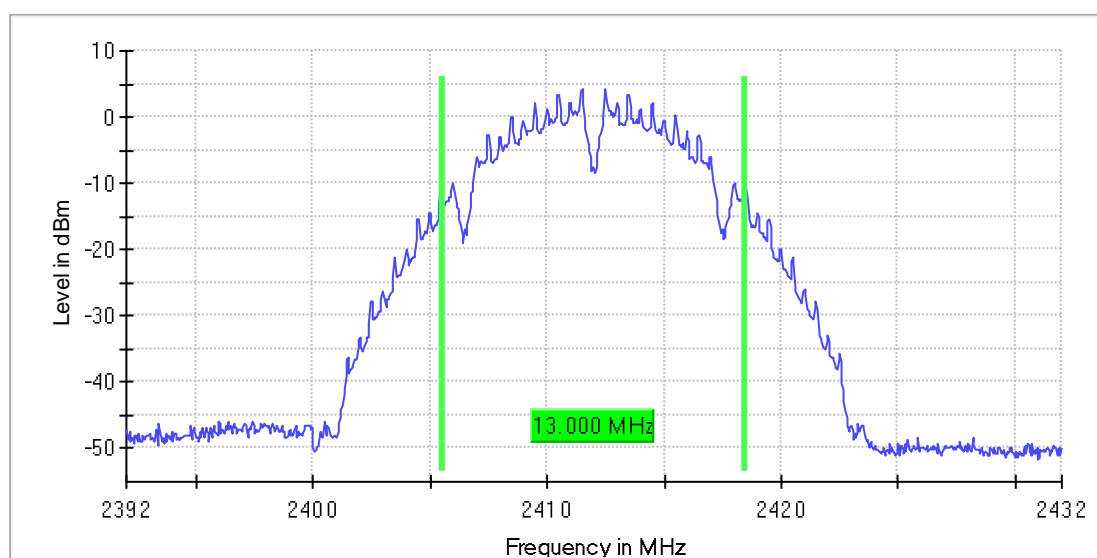
2.3.1. b-mode

99% Occupied Bandwidth CH1_b mode_1Mbit

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	13.000000	---	---	2405.500000	2418.500000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	4.1	PASS

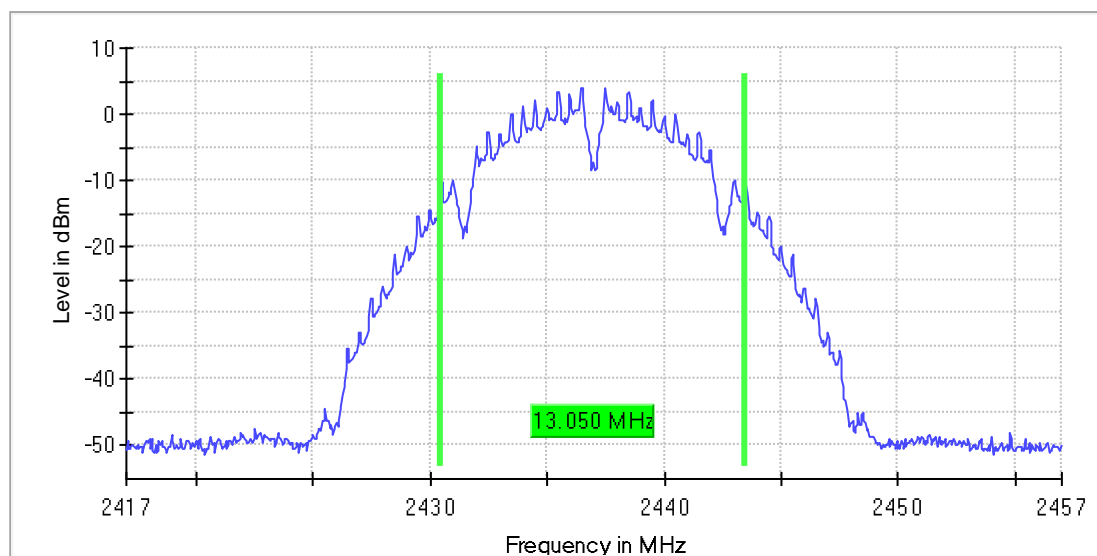


99% Occupied Bandwidth CH6_b mode_1Mbit

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	13.050000	---	---	2430.450000	2443.500000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	4.0	PASS

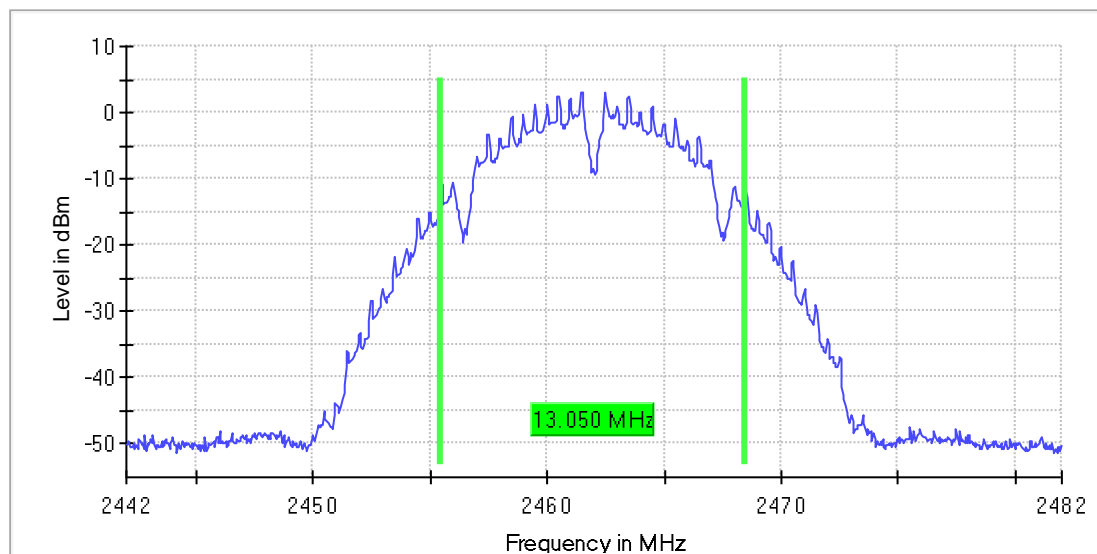


99% Occupied Bandwidth CH11_b mode_1Mbit

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	13.050000	---	---	2455.450000	2468.500000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	3.1	PASS



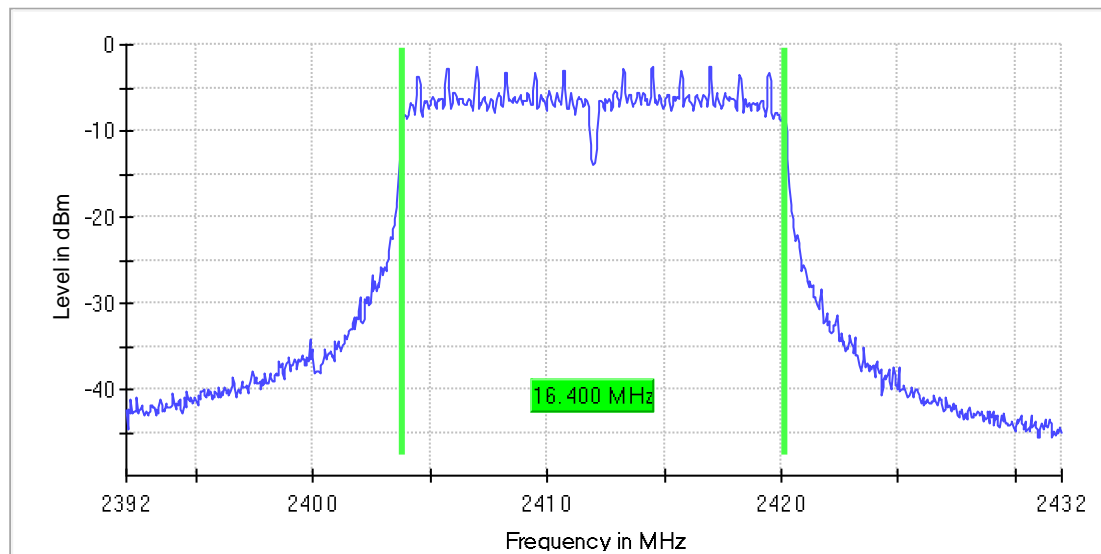
2.3.2. g-mode

99% Occupied Bandwidth CH1_g mode_18Mbit

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	16.400000	---	---	2403.800000	2420.200000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-2.5	PASS

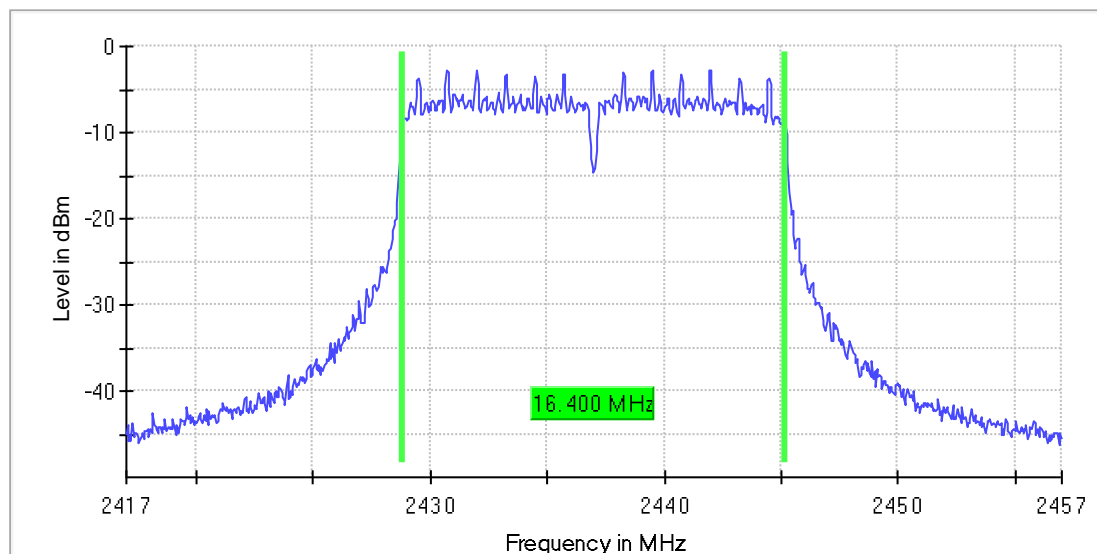


99% Occupied Bandwidth CH6_g mode_18Mbit

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	16.400000	---	---	2428.800000	2445.200000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	-2.7	PASS

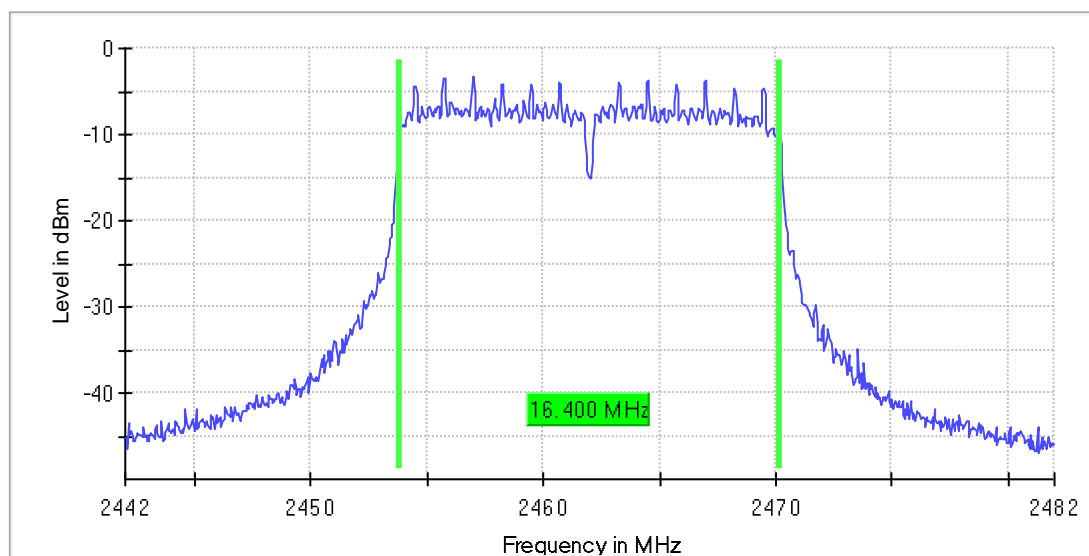


99% Occupied Bandwidth CH11_g mode_18Mbit

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.400000	---	---	2453.800000	2470.200000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	-3.3	PASS



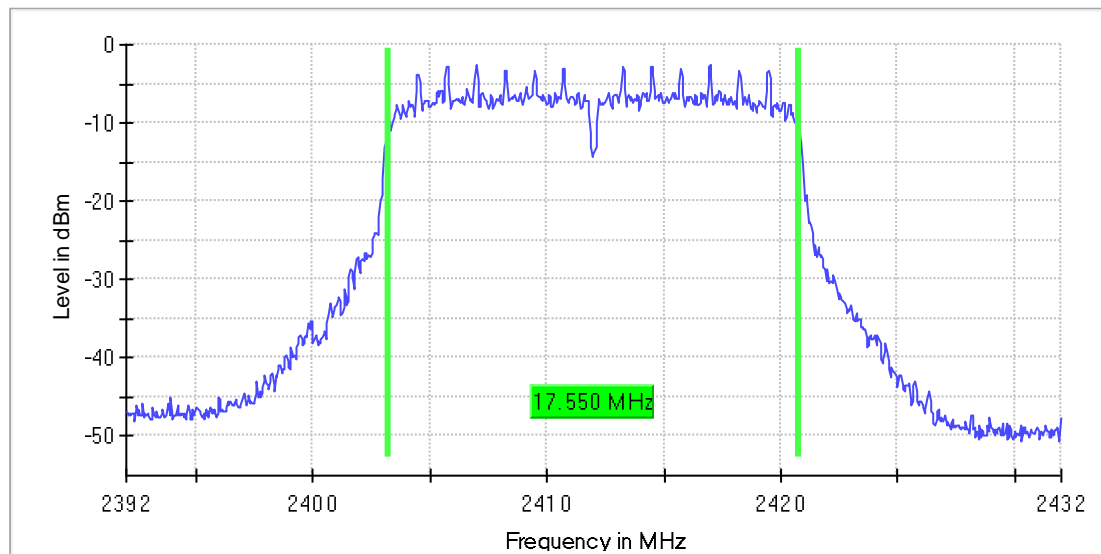
2.3.3. n-mode(HT20)

99% Occupied Bandwidth CH1_n mode_MCS0

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	17.550000	---	---	2403.200000	2420.750000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-2.5	PASS

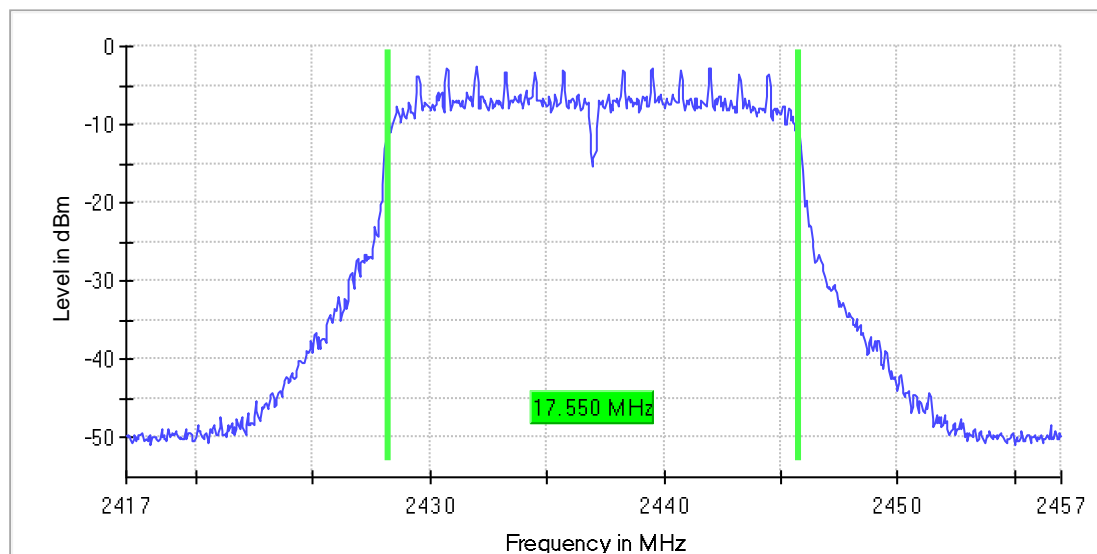


99% Occupied Bandwidth CH6 n mode_MCS0

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	17.550000	---	---	2428.200000	2445.750000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	-2.6	PASS

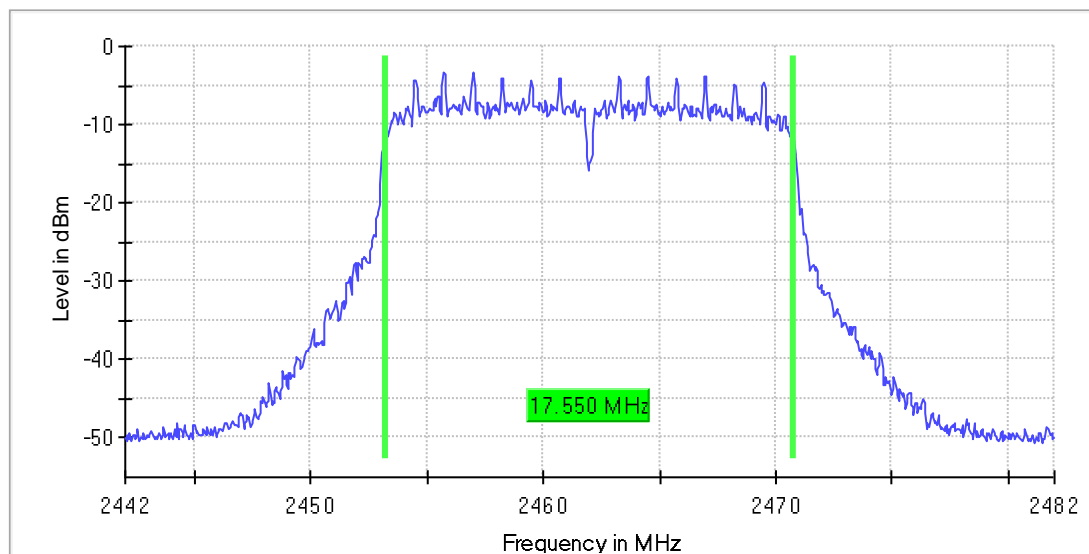


99% Occupied Bandwidth CH11 n mode_MCS0

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	17.550000	---	---	2453.200000	2470.750000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	-3.3	PASS



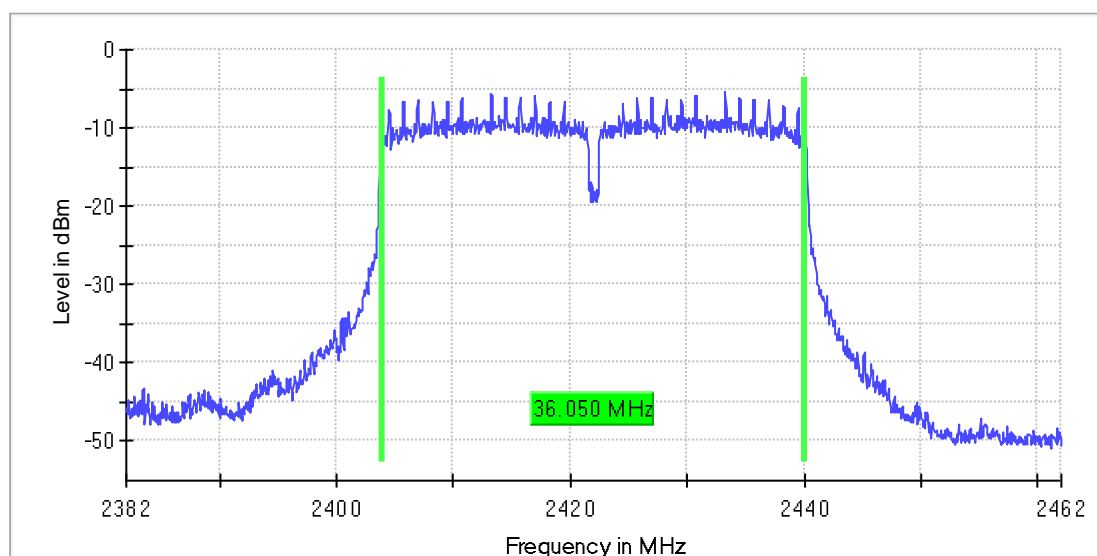
2.3.4. n-mode(HT40)

99% Occupied Bandwidth CH3_n mode_MCS1

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	36.050000	---	---	2403.950000	2440.000000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2422.000000	-5.5	PASS

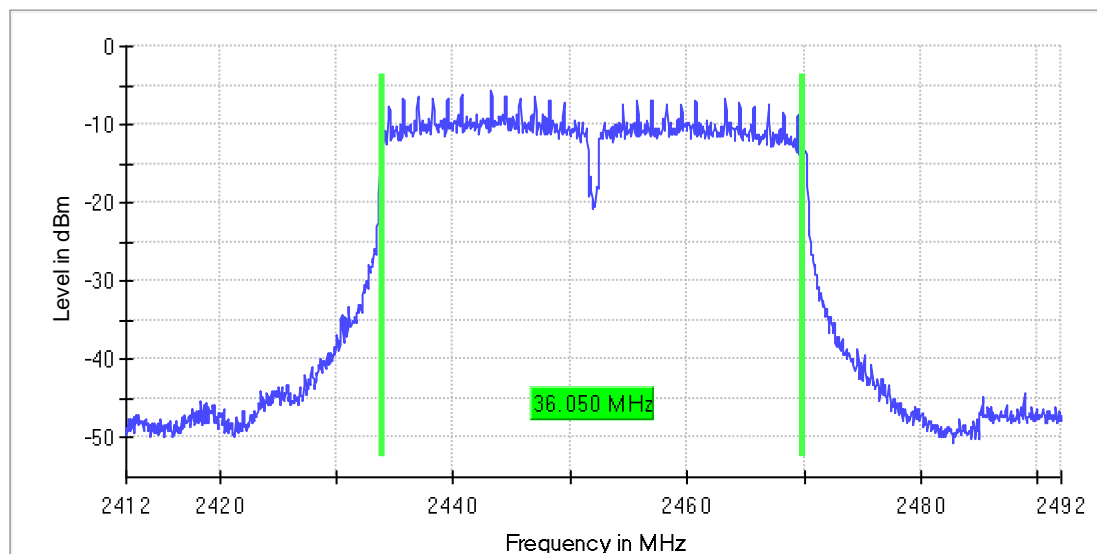


99% Occupied Bandwidth CH9_n mode_MCS1

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	36.050000	---	---	2433.900000	2469.950000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2452.000000	-5.7	PASS



2.4. Frequency Stability

2.4.1. T_{min} – V_{nom}

Modulation	Channel	99% OBW	T _{nom} - V _{nom}		V _{nom} - T _{nom}	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHZ	in MHZ	in HZ	in HZ	in HZ	in HZ
b-mode 1MBit	2412	13,00000	2405500000	2418500000	2405500000	2418550000
	2437	13,05000	2430450000	2443500000	2430500000	2443500000
	2462	13,05000	2455450000	2468500000	2455500000	2468500000
g-mode 18MBit	2412	16,40000	2403800000	2420200000	2403800000	2420250000
	2437	16,40000	2428800000	2445200000	2428800000	2445200000
	2462	16,40000	2453800000	2470200000	2453800000	2470200000
n-mode HT20 MCS0	2412	17,55000	2403200000	2420750000	2403250000	2420800000
	2437	17,55000	2428200000	2445750000	2428250000	2445800000
	2462	17,55000	2453200000	2470750000	2453250000	2470800000
n-mode HT40 MCS1	2422	36,05000	2403950000	2440000000	2404000000	2440500000
	2452	36,05000	2433900000	2469950000	2433950000	2470000000

2.4.2. T_{max} – V_{nom}

Modulation	Channel	99% OBW	T _{nom} - V _{nom}		V _{nom} - T _{nom}	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHZ	in MHZ	in HZ	in HZ	in HZ	in HZ
b-mode 1MBit	2412	13,00000	2405500000	2418500000	2405500000	2418500000
	2437	13,05000	2430450000	2443500000	2430450000	2443500000
	2462	13,05000	2455450000	2468500000	2455450000	2468500000
g-mode 18MBit	2412	16,40000	2403800000	2420200000	2403800000	2420200000
	2437	16,40000	2428800000	2445200000	2428800000	2445200000
	2462	16,40000	2453800000	2470200000	2453750000	2470200000
n-mode HT20 MCS0	2412	17,55000	2403200000	2420750000	2403200000	2420800000
	2437	17,55000	2428200000	2445750000	2428200000	2445750000
	2462	17,55000	2453200000	2470750000	2453200000	2470750000
n-mode HT40 MCS1	2422	36,05000	2403950000	2440000000	2403950000	2440500000
	2452	36,05000	2433900000	2469950000	2433900000	2469950000

2.4.3. Tnom – Vmin

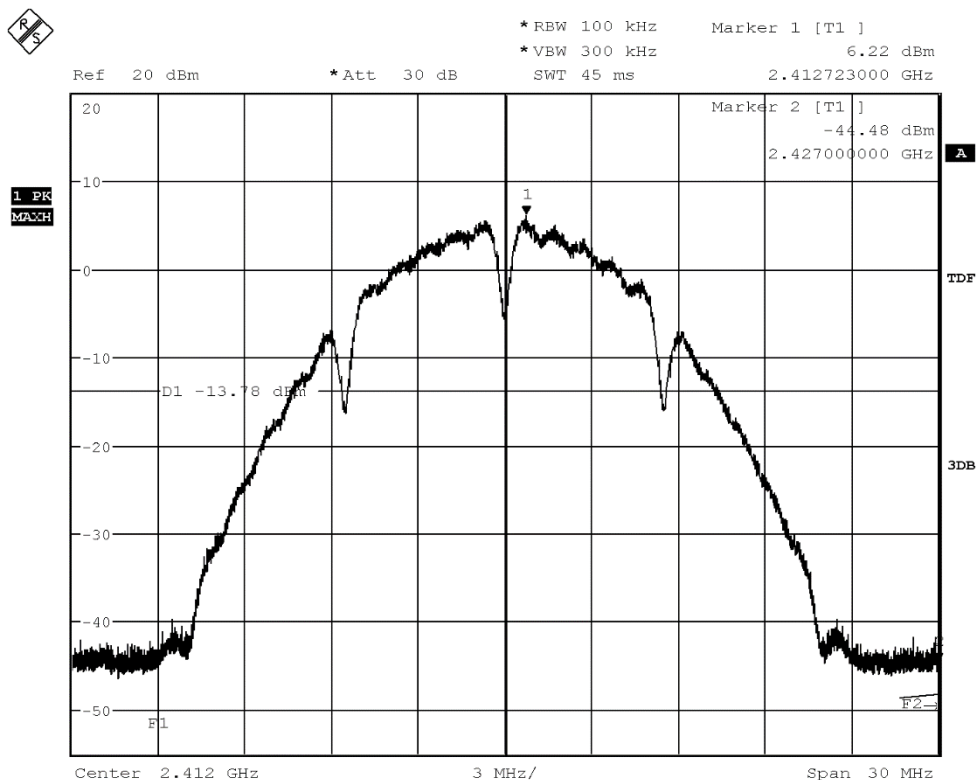
Modulation	Channel	99% OBW	Tnom - Vnom		Vnom -Tnom	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHZ	in MHZ	in HZ	in HZ	in HZ	in HZ
b-mode 1MBit	2412	13,00000	2405500000	2418500000	2405500000	2418500000
	2437	13,05000	2430450000	2443500000	2430500000	2443500000
	2462	13,05000	2455450000	2468500000	2455400000	2468500000
g-mode 18MBit	2412	16,40000	2403800000	2420200000	2403800000	2420250000
	2437	16,40000	2428800000	2445200000	2428800000	2445200000
	2462	16,40000	2453800000	2470200000	2453800000	2470200000
n-mode HT20 MCS0	2412	17,55000	2403200000	2420750000	2403200000	2422750000
	2437	17,55000	2428200000	2445750000	2428200000	2445750000
	2462	17,55000	2453200000	2470750000	2453200000	2470750000
n-mode HT40 MCS1	2422	36,05000	2403950000	2440000000	2403950000	2440000000
	2452	36,05000	2433900000	2469500000	2433950000	2469950000

2.4.4. Tnom – Vmax

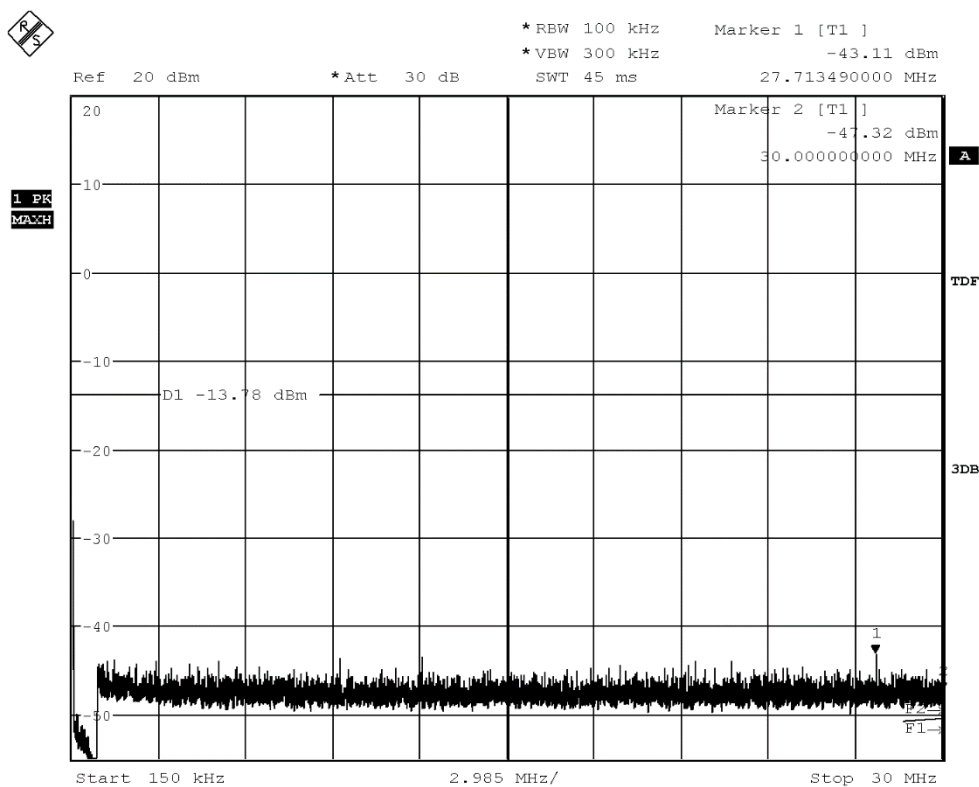
Modulation	Channel	99% OBW	Tnom - Vnom		Vnom -Tnom	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHZ	in MHZ	in HZ	in HZ	in HZ	in HZ
b-mode 1MBit	2412	13,00000	2405500000	2418500000	2405500000	2418500000
	2437	13,05000	2430450000	2443500000	2430500000	2443500000
	2462	13,05000	2455450000	2468500000	2455450000	2468500000
g-mode 18MBit	2412	16,40000	2403800000	2420200000	2403800000	2420200000
	2437	16,40000	2428800000	2445200000	2428800000	2445200000
	2462	16,40000	2453800000	2470200000	2453800000	2470200000
n-mode HT20 MCS0	2412	17,55000	2403200000	2420750000	2403200000	2420750000
	2437	17,55000	2428200000	2445750000	2428200000	2445750000
	2462	17,55000	2453200000	2470750000	2453200000	2470750000
n-mode HT40 MCS1	2422	36,05000	2403950000	2440000000	2403950000	2440000000
	2452	36,05000	2433900000	2469500000	2433900000	2469950000

2.5. 20dBc Tx Spurious Emissions

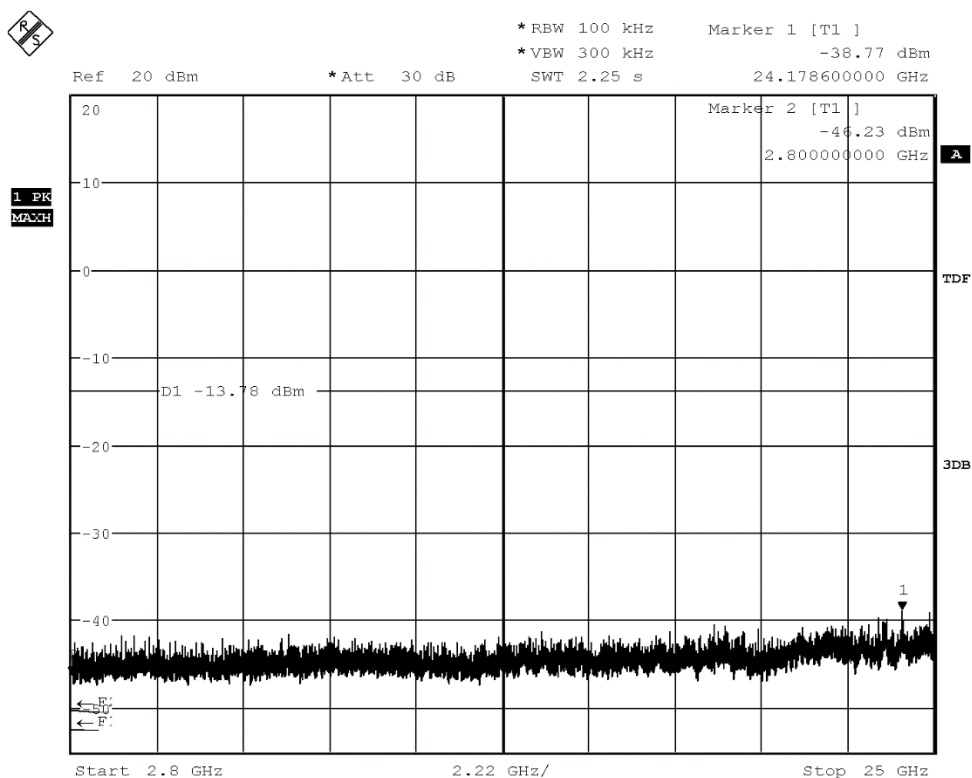
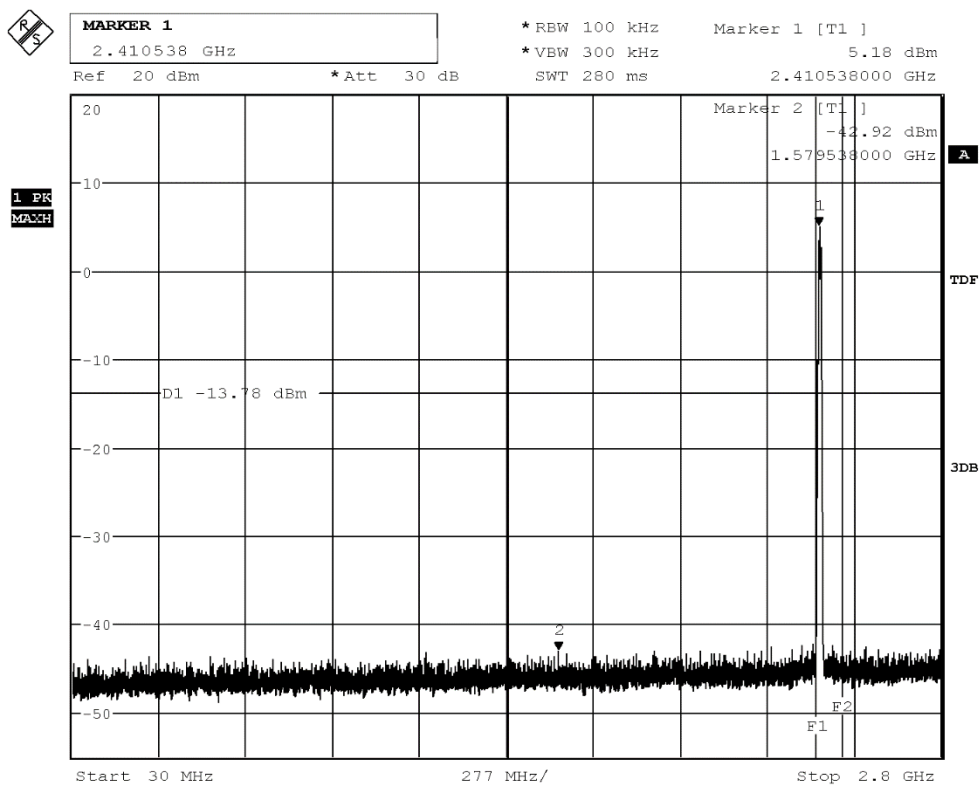
2.5.1. b-mode



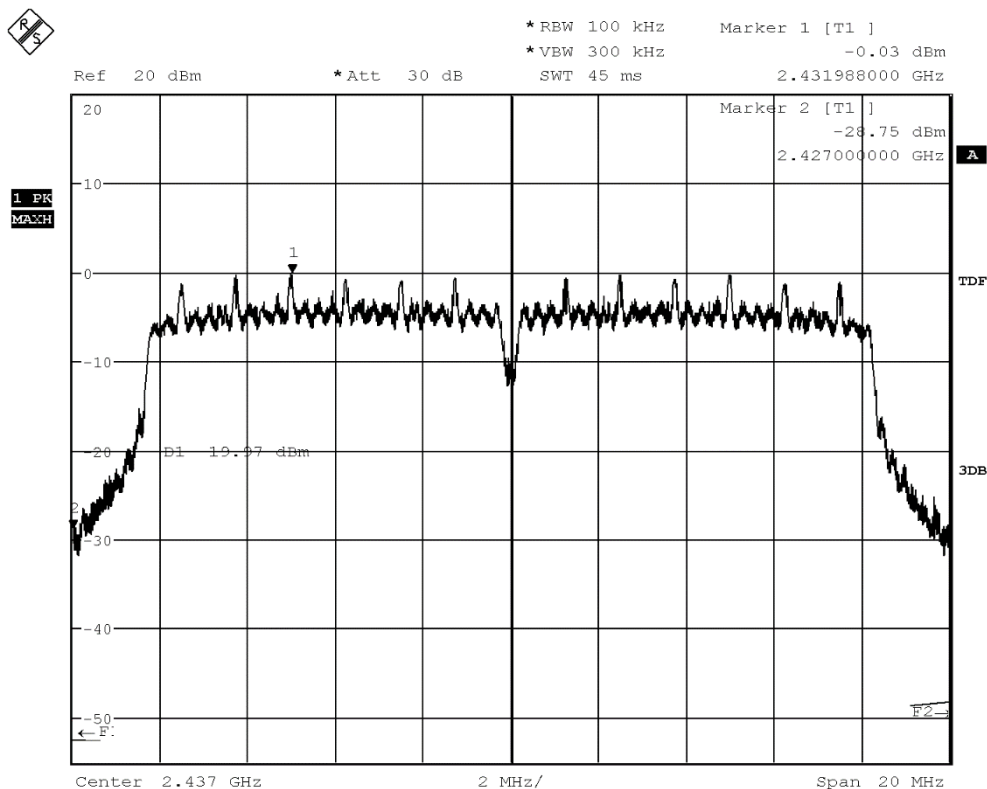
20dBc_REF_2412_bmode_1Mbit



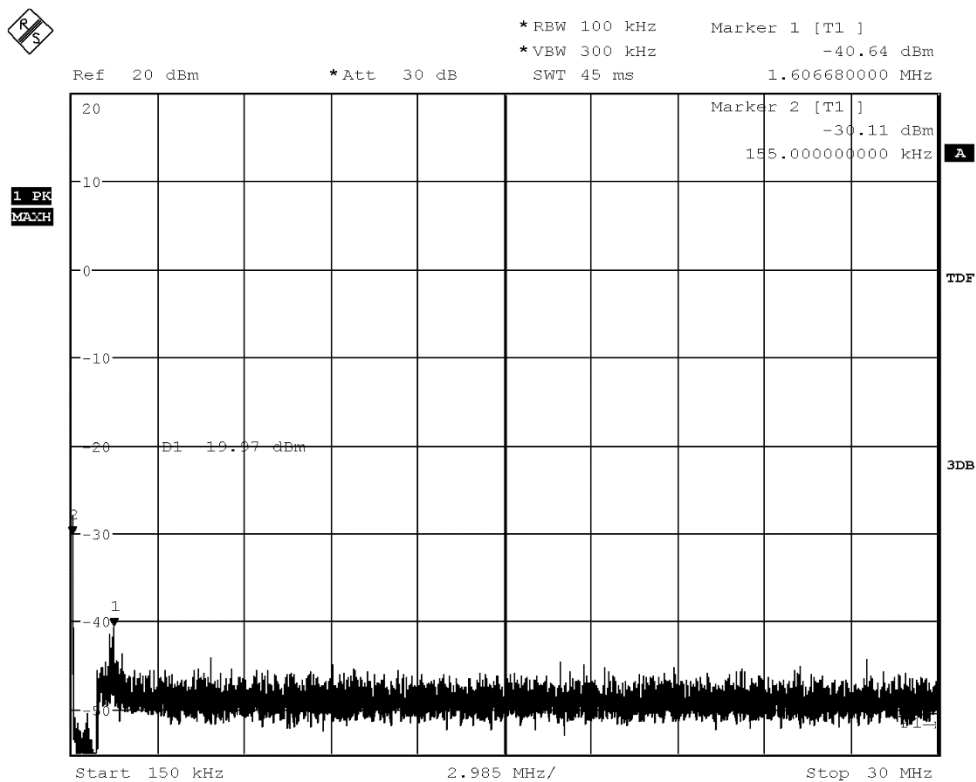
20dBc_0.15MHz-30MHz_bmode_2412_1Mbit



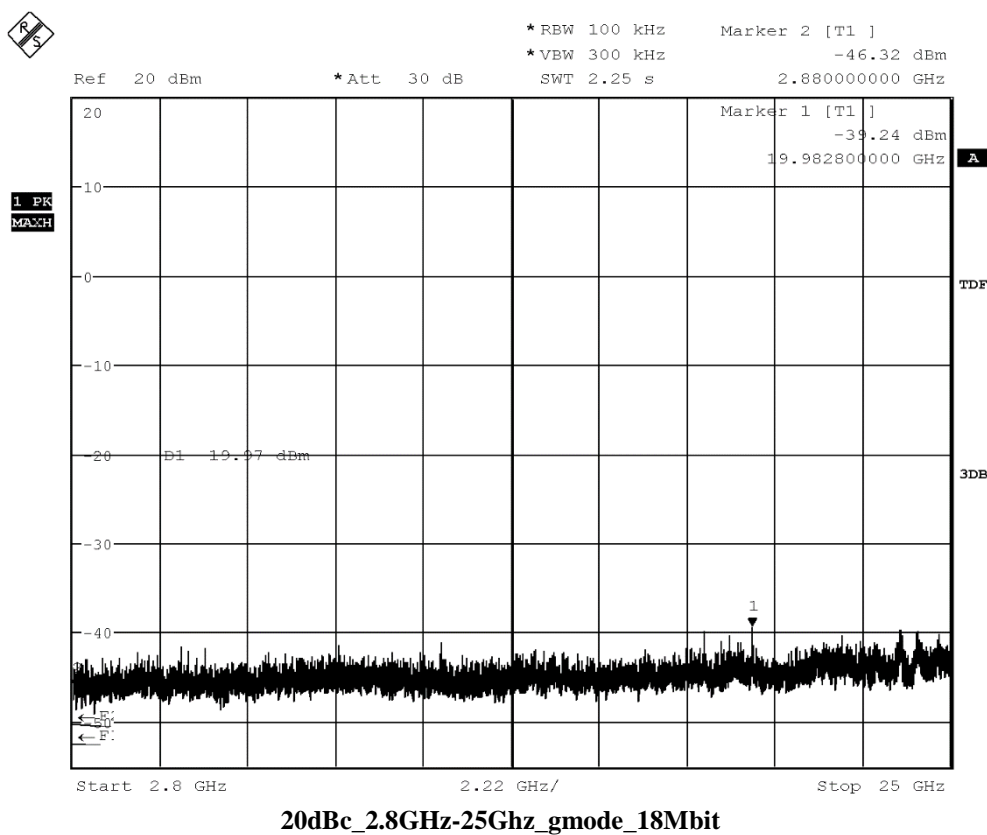
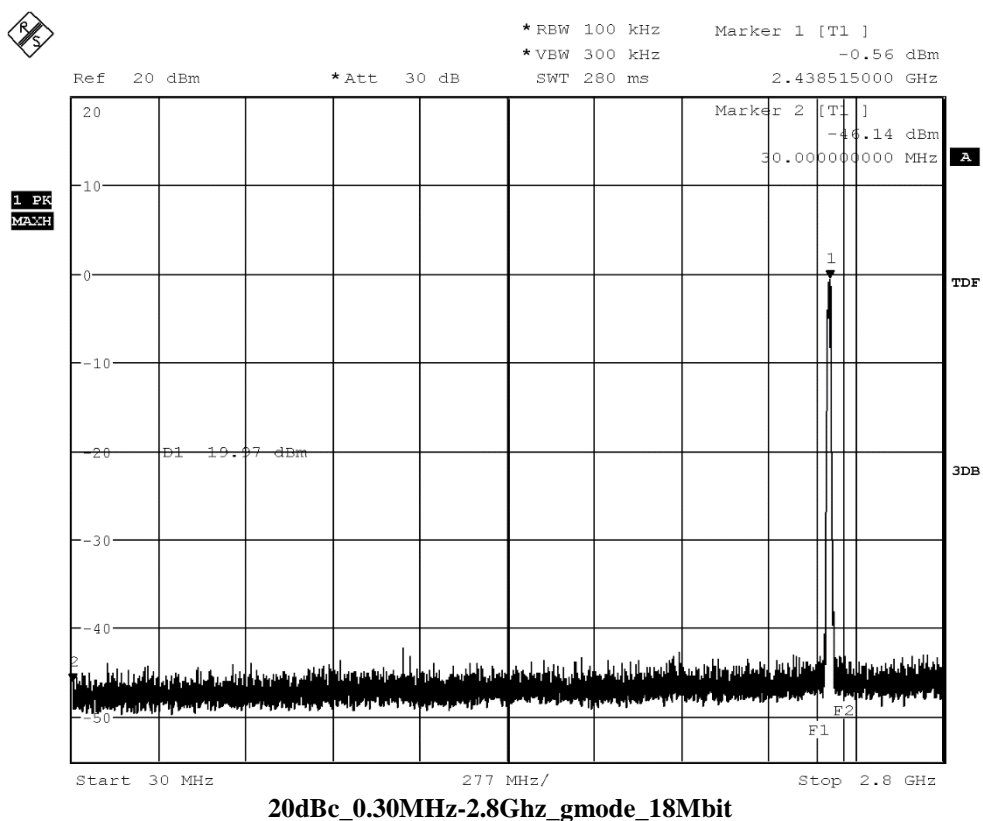
2.5.2. g-mode



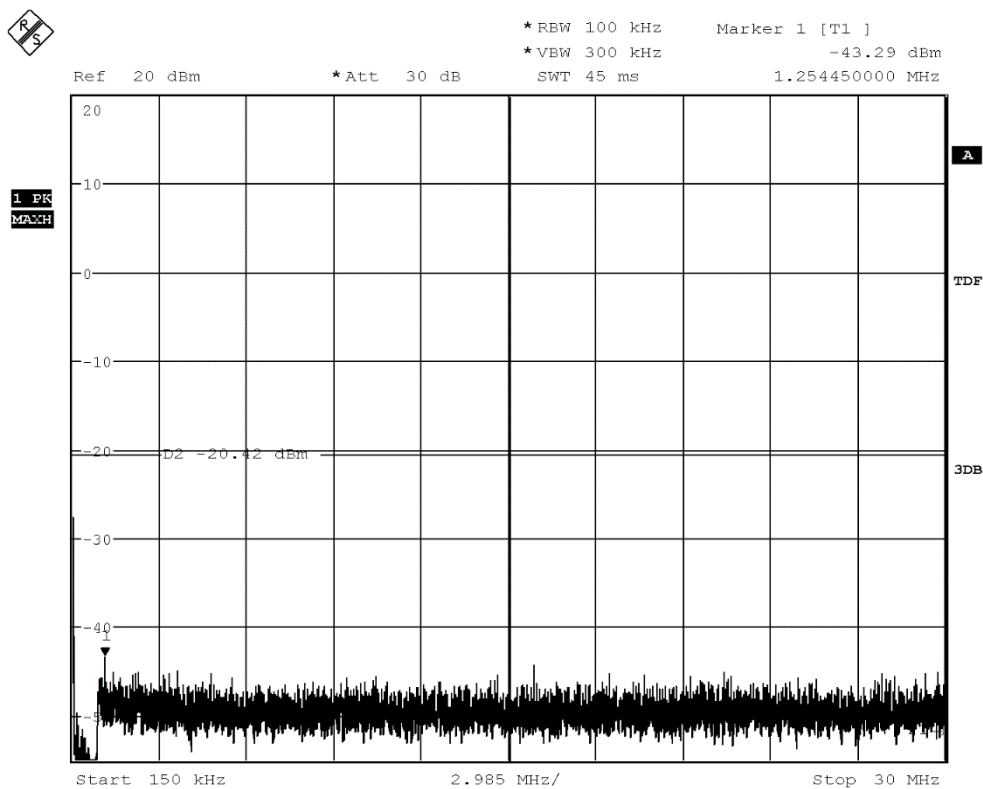
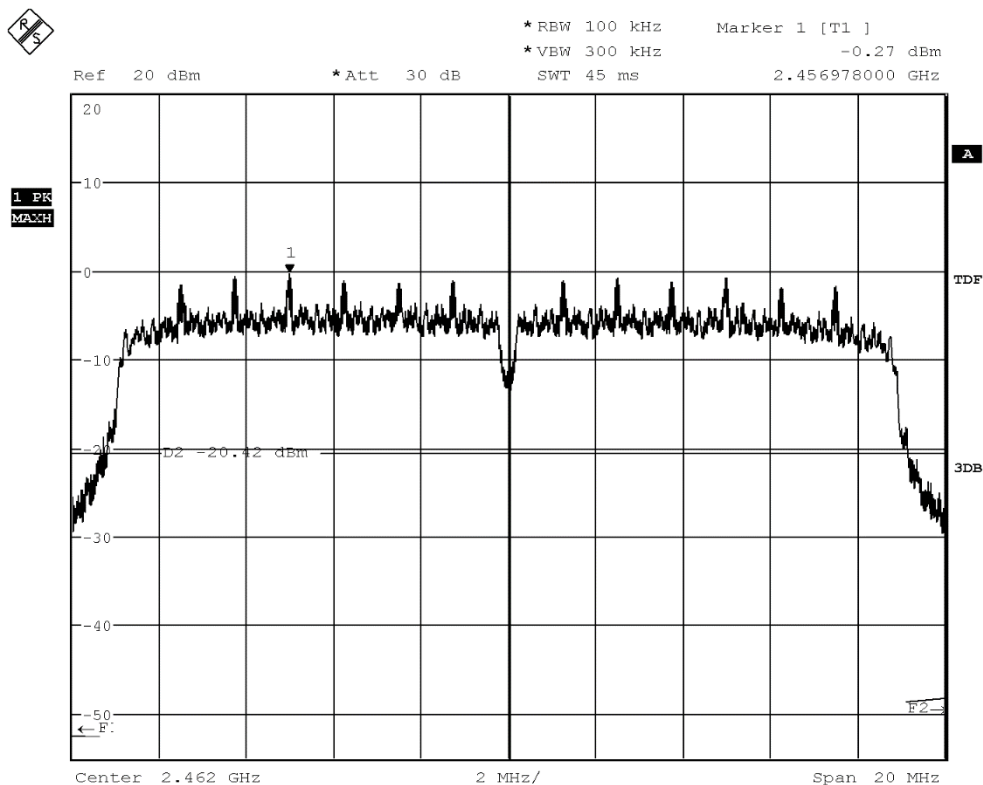
20dBc_REF_2437_gmode_18Mbit

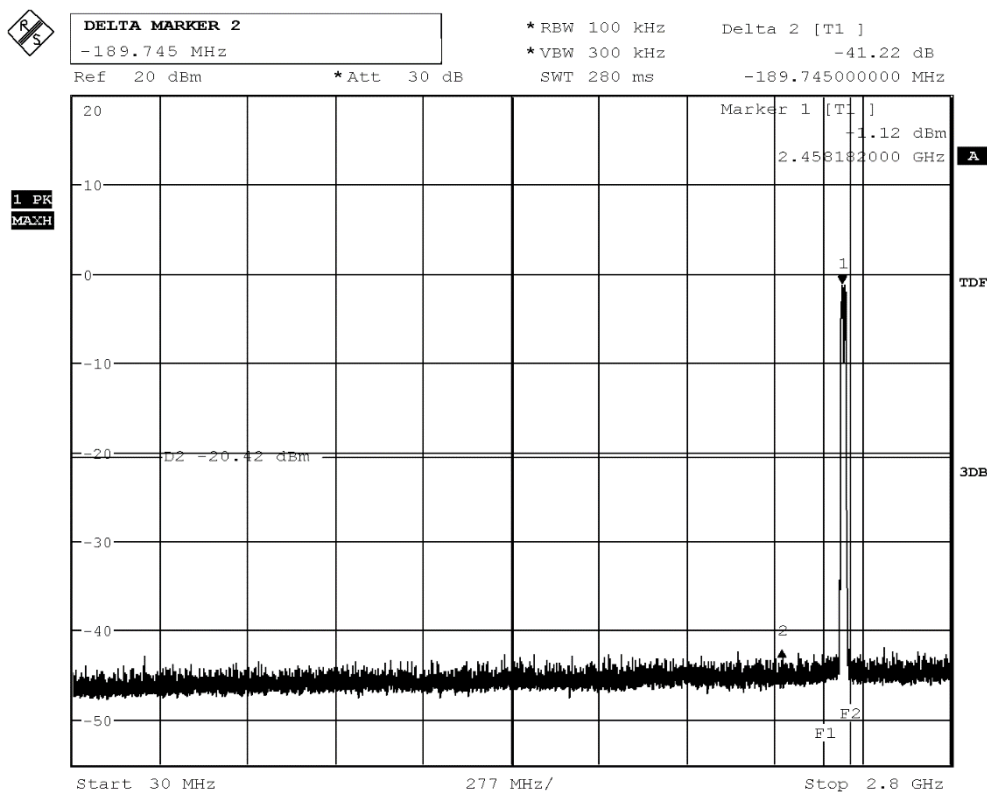


20dBc_2.8GHz-26Ghz_gmode_18Mbit

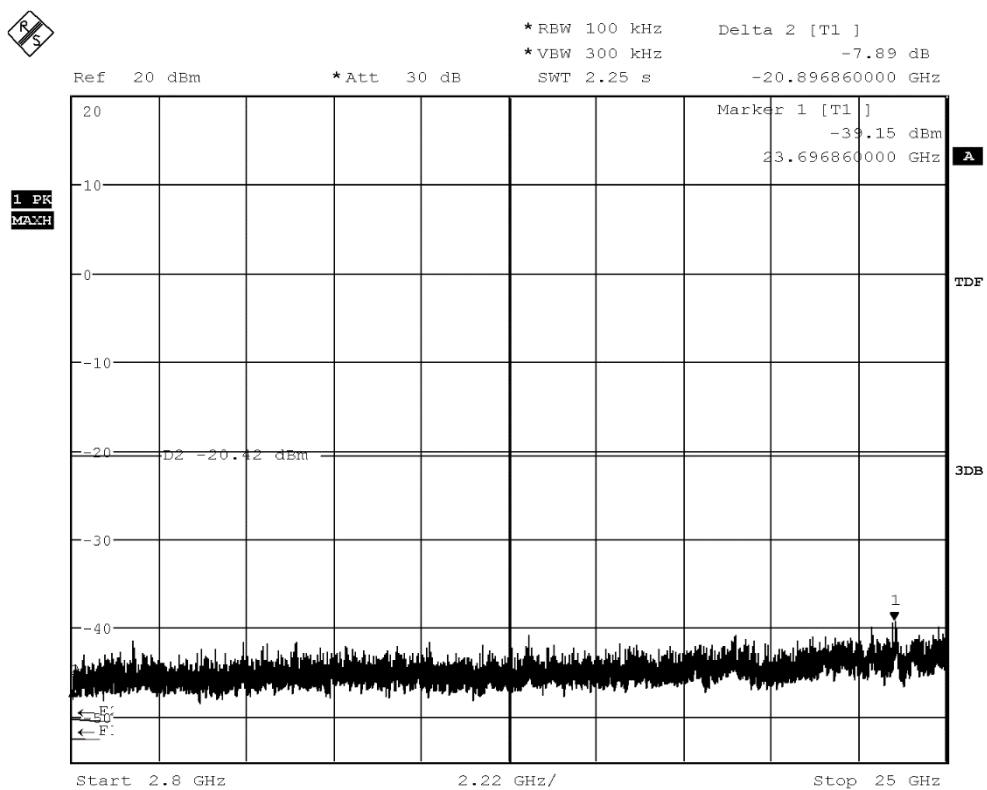


2.5.3. n-mode(HT20)



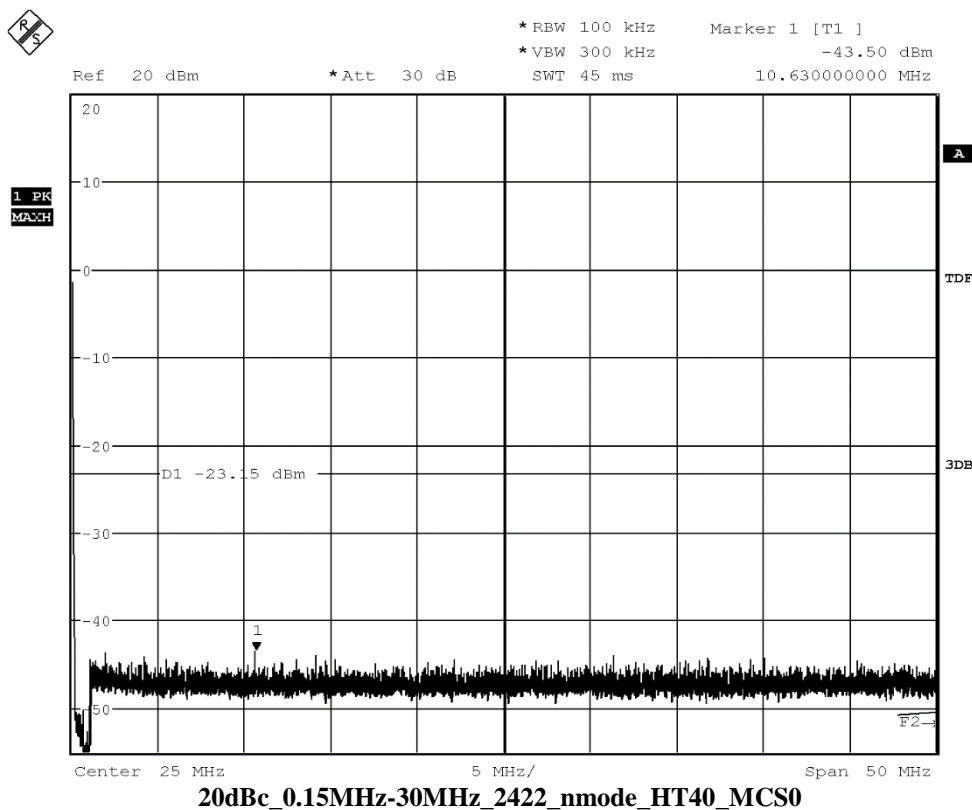
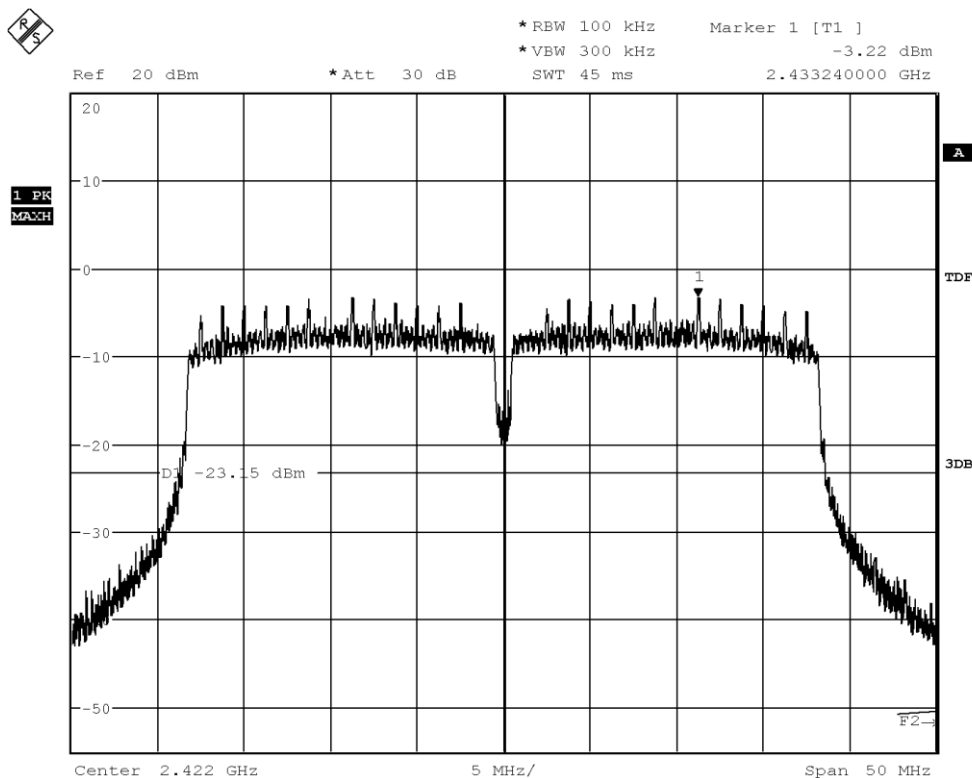


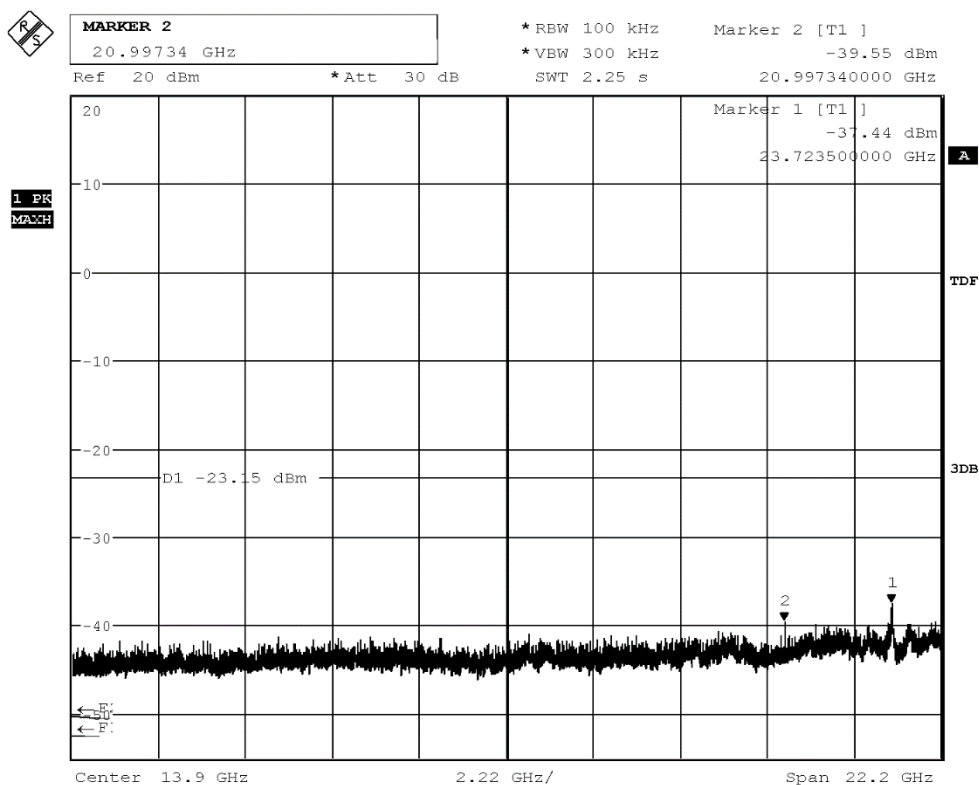
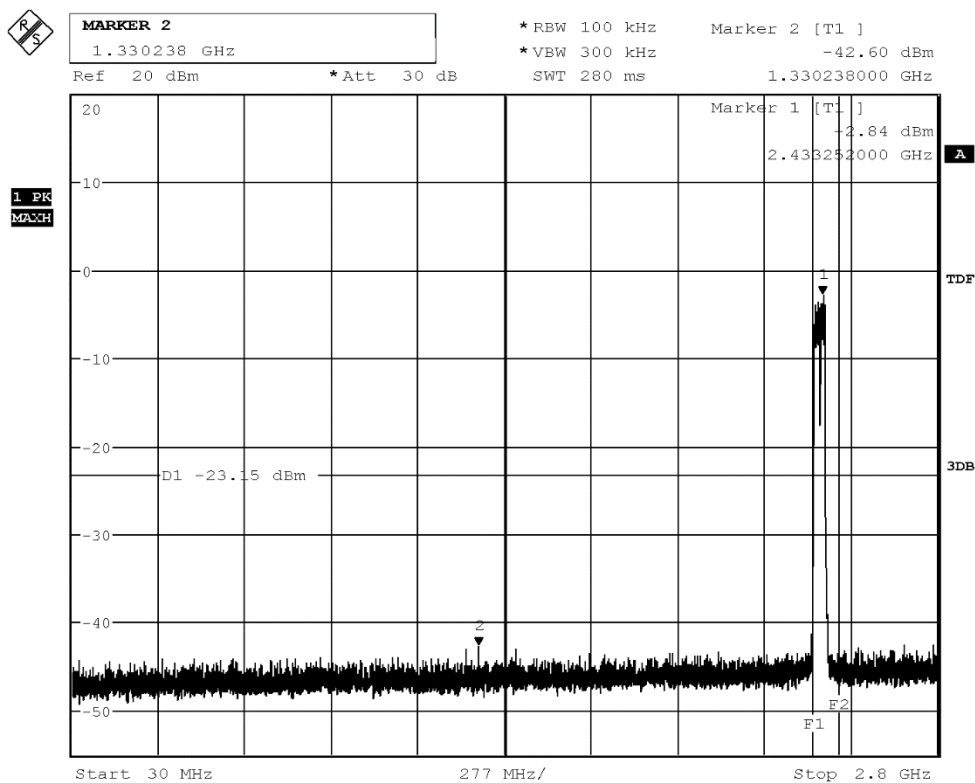
20dBc_0.30MHz-2.8GHz_2462_nmode_MCS1

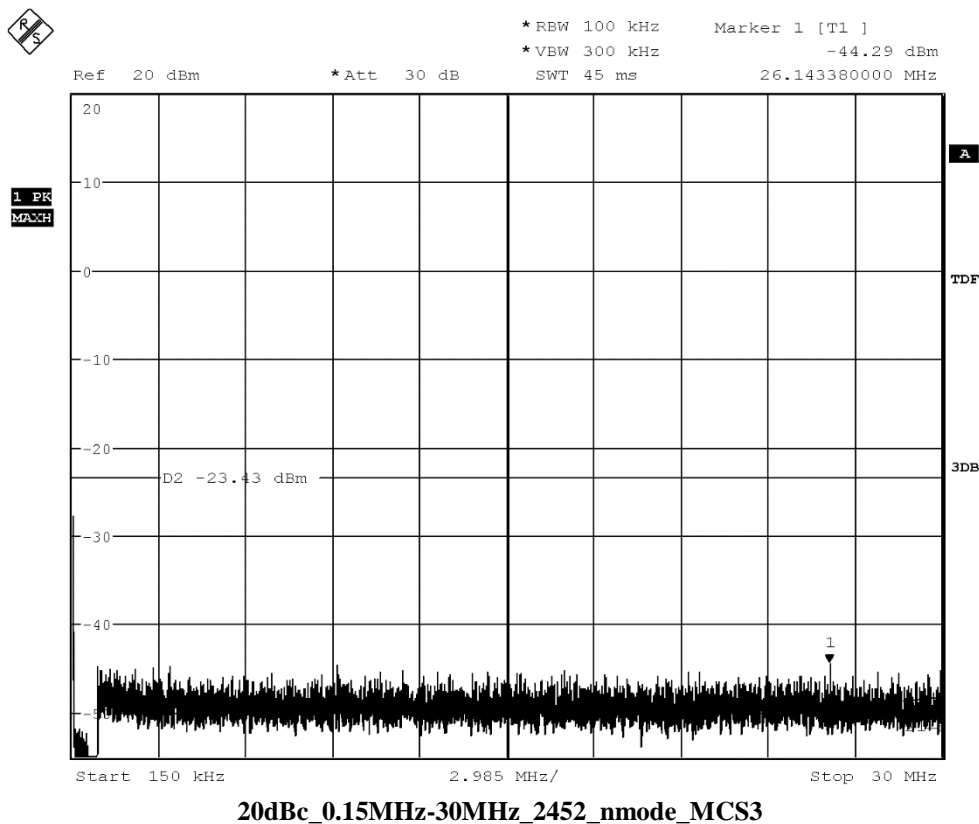
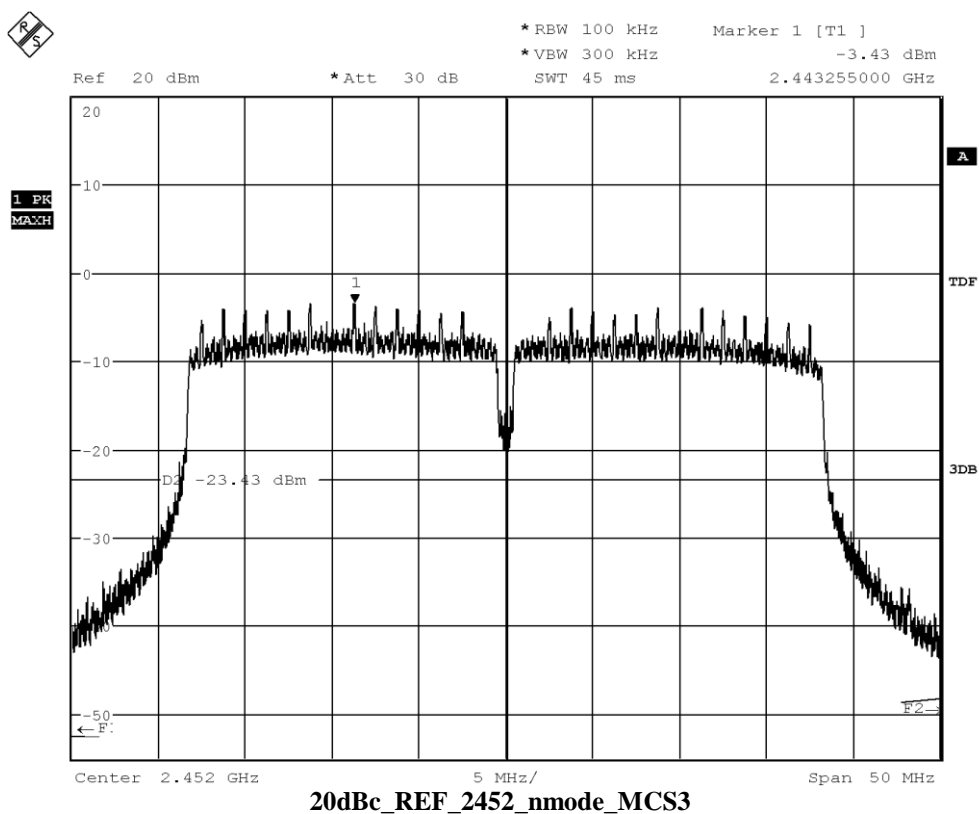


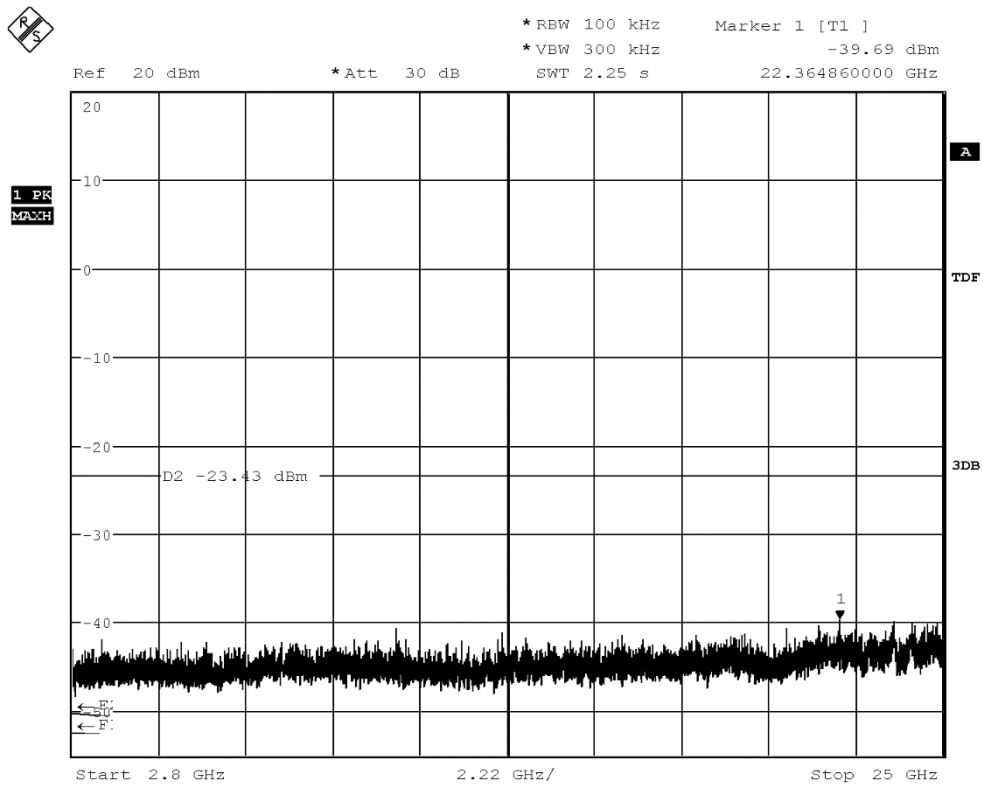
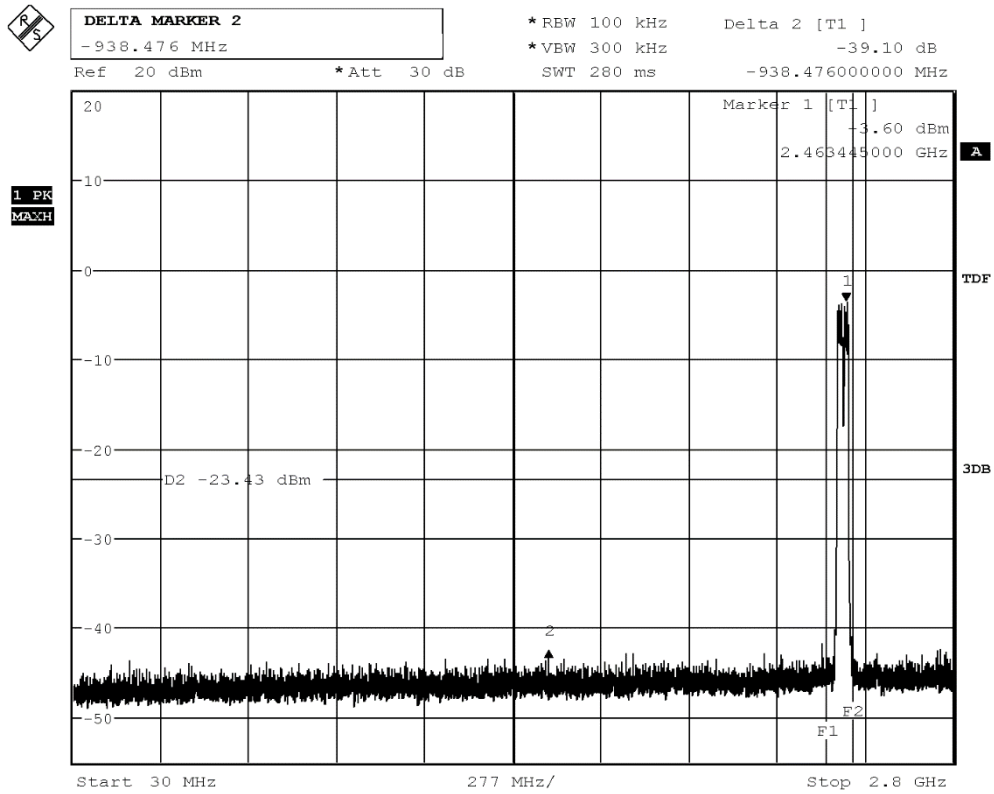
20dBc_2.8GHz-25GHz_2462_nmode_MCS1

2.5.4. n-mode(HT40)









3. Radiated Measurements

3.1. Radiated magnetic field measurements below 30 MHz

2.01a_b-mode_ch01

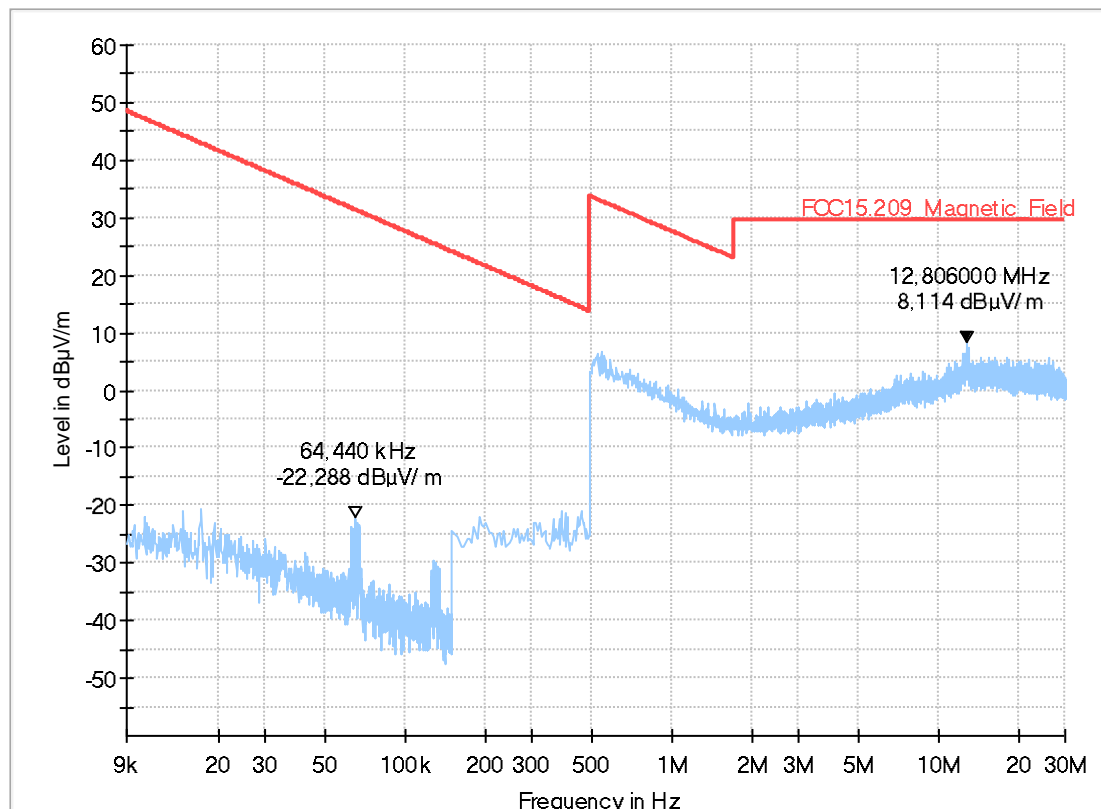
Common Information

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 5
Operator:	RLs
Operating conditions:	b-mode 1Mbit ch01
Power during tests:	120V AC
Comment 1:	

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



2.02a_g-mode_ch06

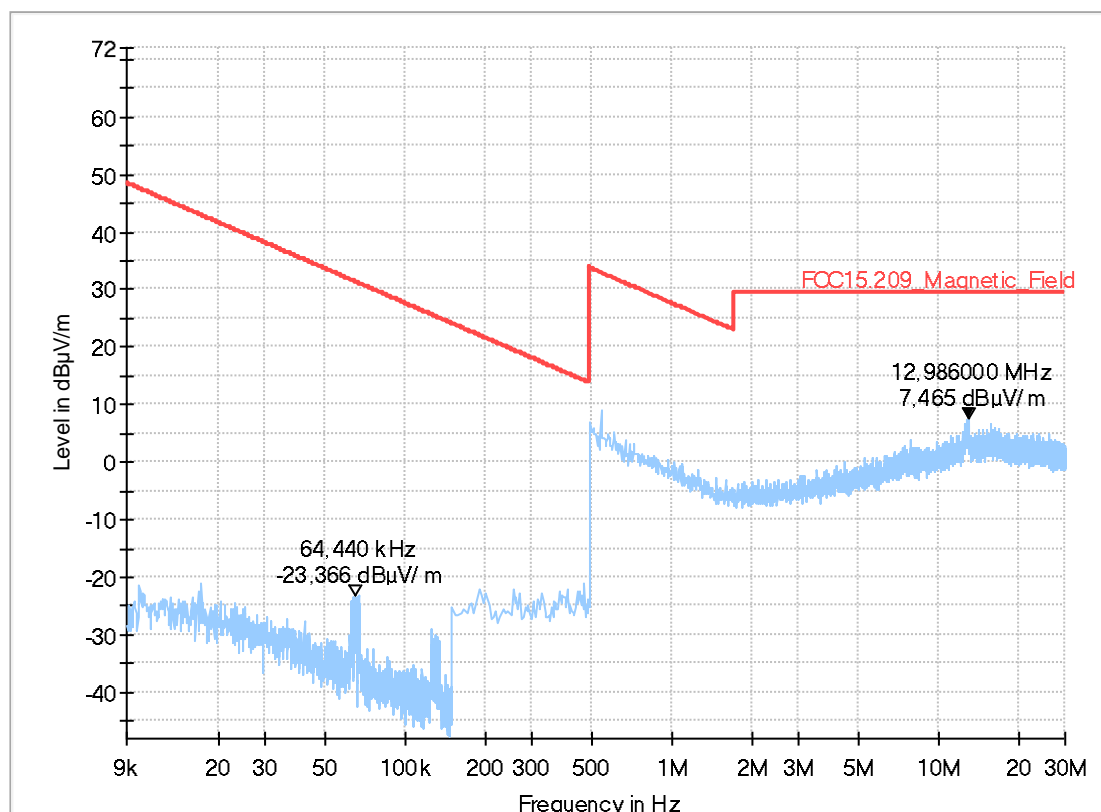
Common Information

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 5
Operator:	RI
Operating conditions:	g-mode 18MBit ch06
Power during tests:	120V AC
Comment 1:	

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



2.03a_n-mode_ch11

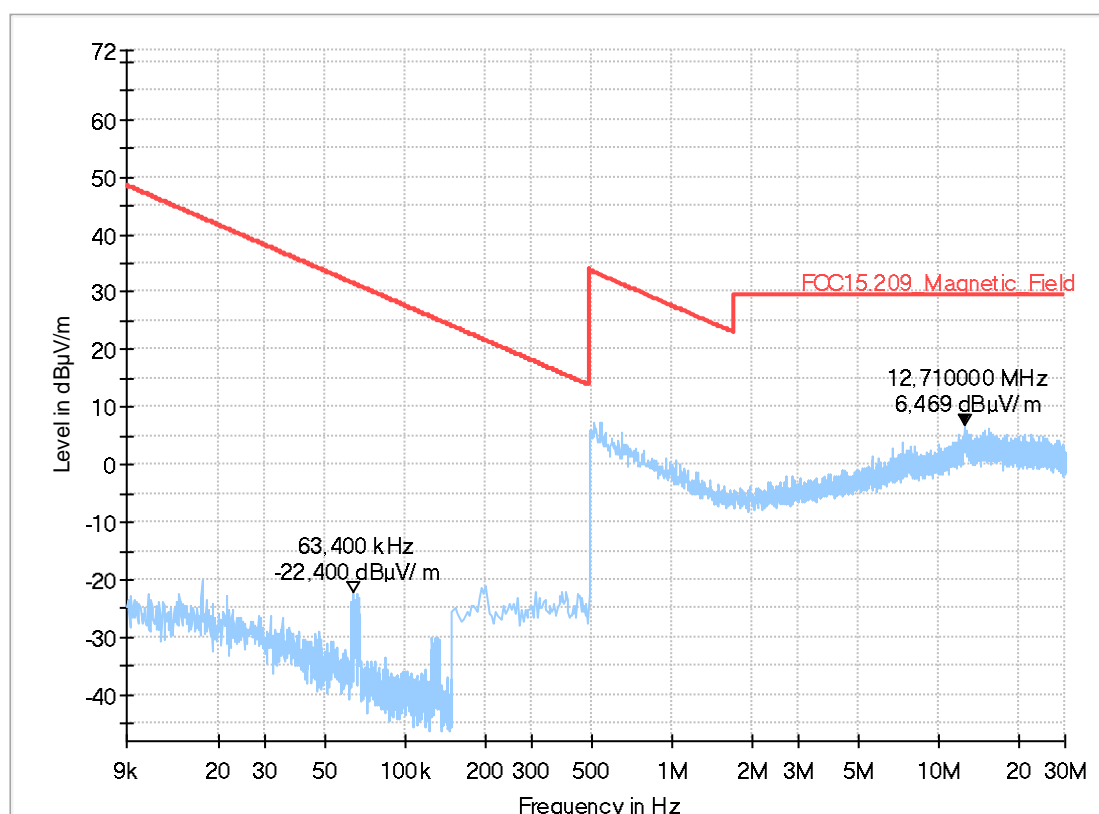
Common Information

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 5
Operator:	RI
Operating conditions:	n-mode MCS0 ch11
Power during tests:	120V AC
Comment 1:	

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



2.04a_n40-mode_ch06

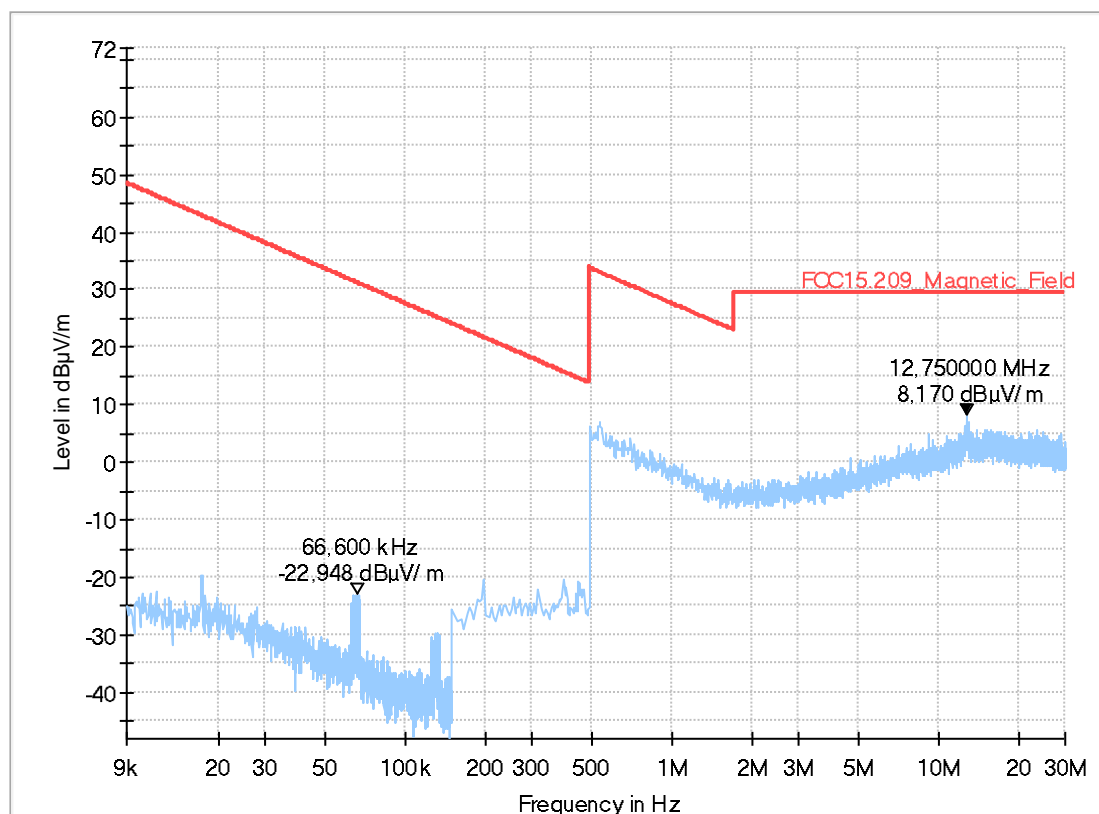
Common Information

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 5
Operator:	RI
Operating conditions:	n40-mode MCS1 ch06
Power during tests:	120V AC
Comment 1:	

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



WLAN & Bluetooth simultaneous transmissions

2.05a_WLAN2,4+BT

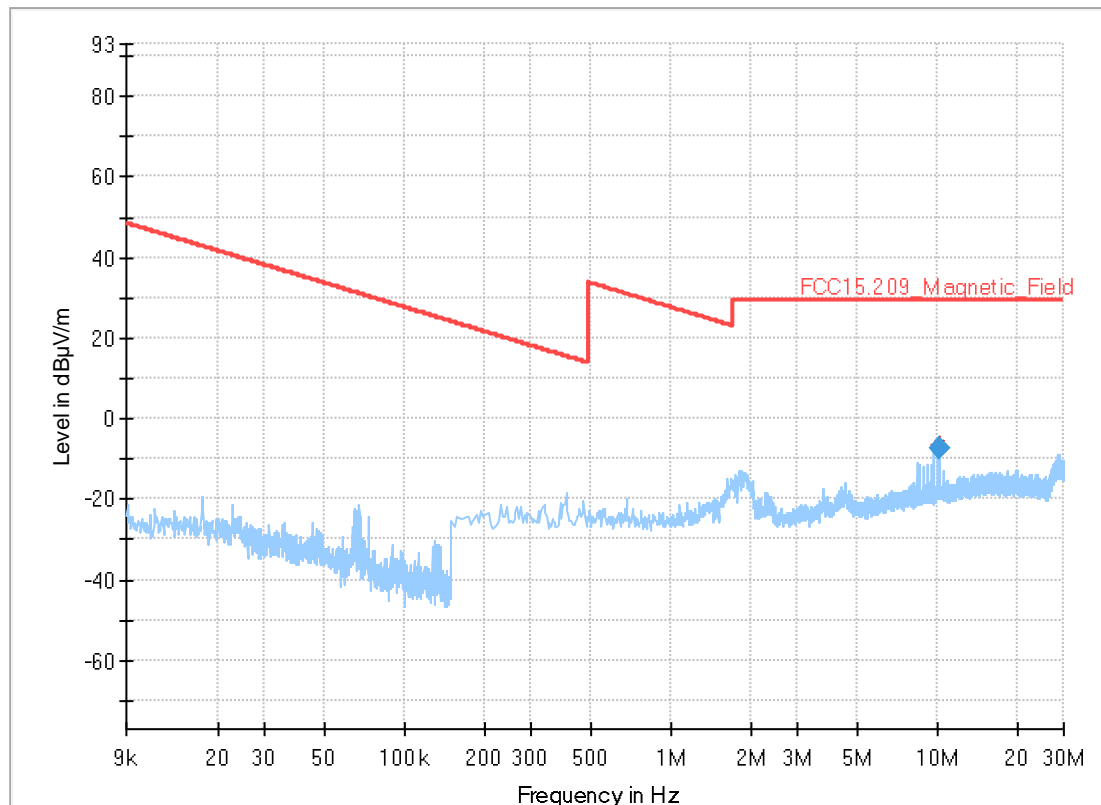
Common Information

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 5
Operator:	MAh
Operating Mode:	Wlan 2.4GHz lperf connection + BT Connection to Speaker
Comment 1:	nominal channel
Environmental Conditions::	Humidity : 43,1%rH; Temperature: 21,2°C
EUT Setup:	laying
Verdict:	Passed

EUT Information

EUT Name:	Thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Comment
10.296200	-7.60	29.54	37.14	1000.0	9.000	H	175.0	-33.5	23:56:04 - 04.07.2019

3.2. Radiated electric field measurement 30 MHz to 1 GHz

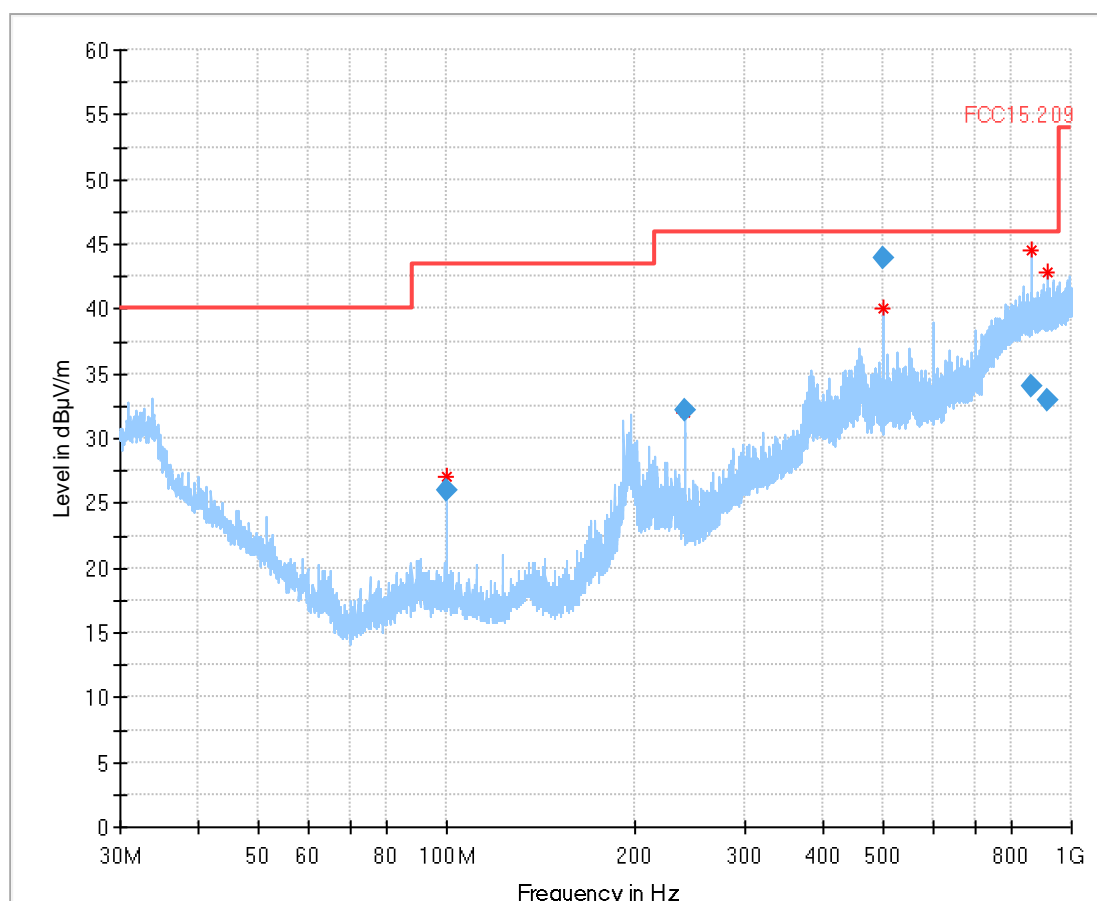
3.01a_b-mode_ch01

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
Test specification.:	FCC 15.209; RSS-Gen: Issue 5
Operator:	SLo
Operating conditions:	b-mode 1Mbit ch01
Power during tests:	120V
Comment 1:	EUT standing (defined normal position)

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
99.988000	25.98	43.50	17.52	1000.0	120.000	109.0	V	36.0	0.0	8.1
239.920000	32.22	46.00	13.78	1000.0	120.000	105.0	H	340.0	0.0	13.1
499.936000	43.85	46.00	2.15	1000.0	120.000	135.0	H	0.0	0.0	19.5
859.896000	34.01	46.00	11.99	1000.0	120.000	162.0	H	305.0	0.0	25.7
914.620000	32.98	46.00	13.02	1000.0	120.000	135.0	H	338.0	0.0	27.0

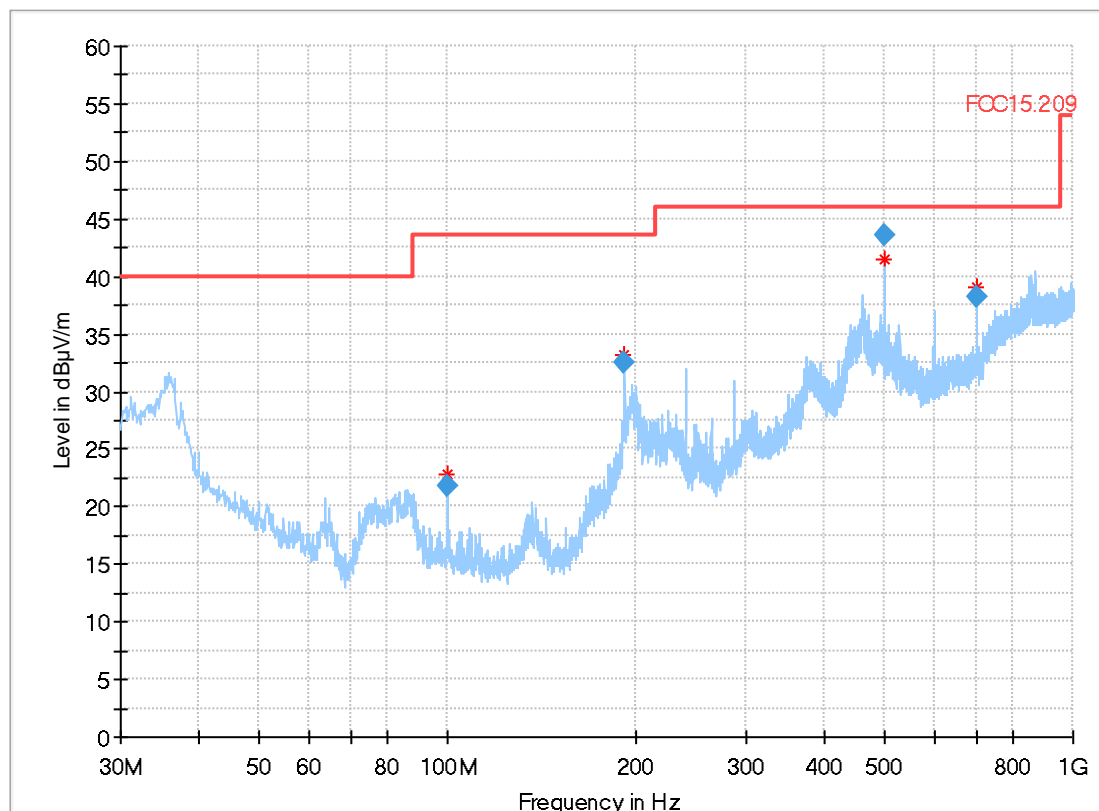
3.02a_g-mode_ch06

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
Test specification.:	FCC 15.209/15.205; RSS-Gen., Issue 5
Operator:	HEI
Operating conditions:	g-mode 18MBit ch06
Power during tests:	120V
Comment 1:	EUT standing (defined normal position)

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction (dB)
100.000000	21.82	43.50	21.68	1000.0	120.000	144.0	V	47.0	8.1
191.870000	32.46	43.50	11.04	1000.0	120.000	158.0	H	159.0	11.5
499.930000	43.51	46.00	2.49	1000.0	120.000	154.0	H	336.0	19.5
699.930000	38.26	46.00	7.74	1000.0	120.000	109.0	H	326.0	23.7

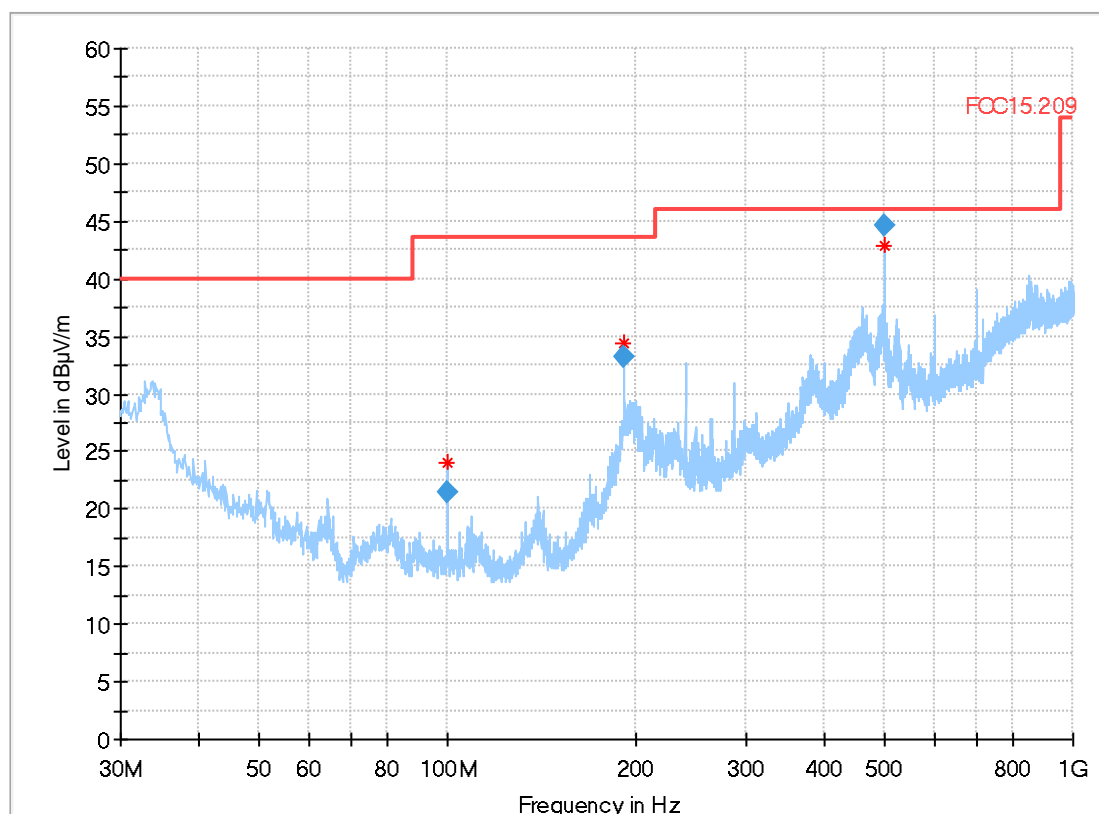
3.03a_n-mode_ch11

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
Test specification.:	FCC 15.209/15.205; RSS-Gen., Issue 5
Operator:	HEI
Operating conditions:	3.03a_n-mode_ch11
Power during tests:	120V
Comment 1:	EUT standing (defined normal position)

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
100.010000	21.52	43.50	21.98	1000.0	120.000	167.0	V	61.0	8.1
191.930000	33.26	43.50	10.24	1000.0	120.000	173.0	H	189.0	11.5
499.940000	44.68	46.00	1.32	1000.0	120.000	155.0	H	2.0	19.5

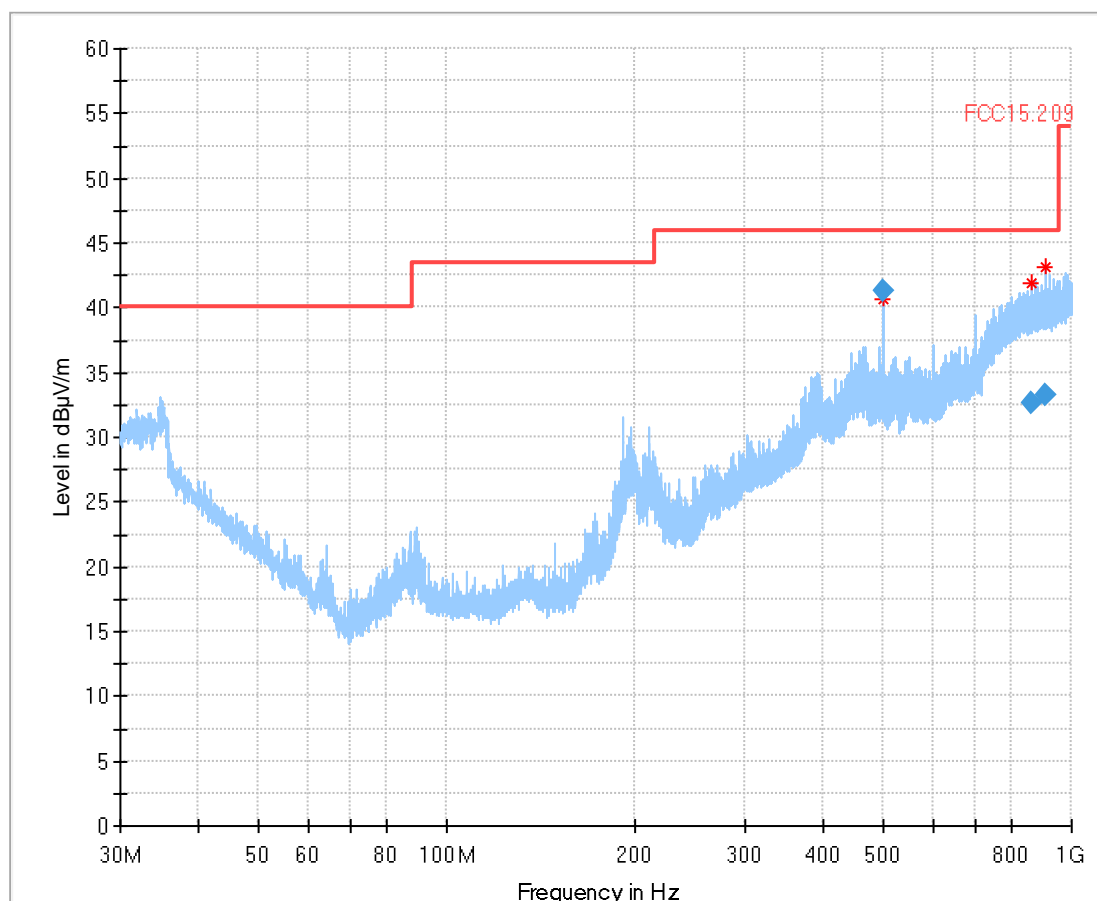
3.04a_n40-mode_ch09

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
Test specification.:	FCC 15.209; RSS-Gen: Issue 5
Operator:	SLo
Operating conditions:	n40-mode MCS1 ch09
Power during tests:	120V
Comment 1:	EUT standing (defined normal position)

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Correction (dB)
499.936000	41.27	46.00	4.73	1000.0	120.000	176.0	H	183.0	0.0	19.5
863.144000	32.61	46.00	13.39	1000.0	120.000	276.0	H	328.0	0.0	25.9
911.708000	33.18	46.00	12.82	1000.0	120.000	360.0	H	83.0	0.0	27.3

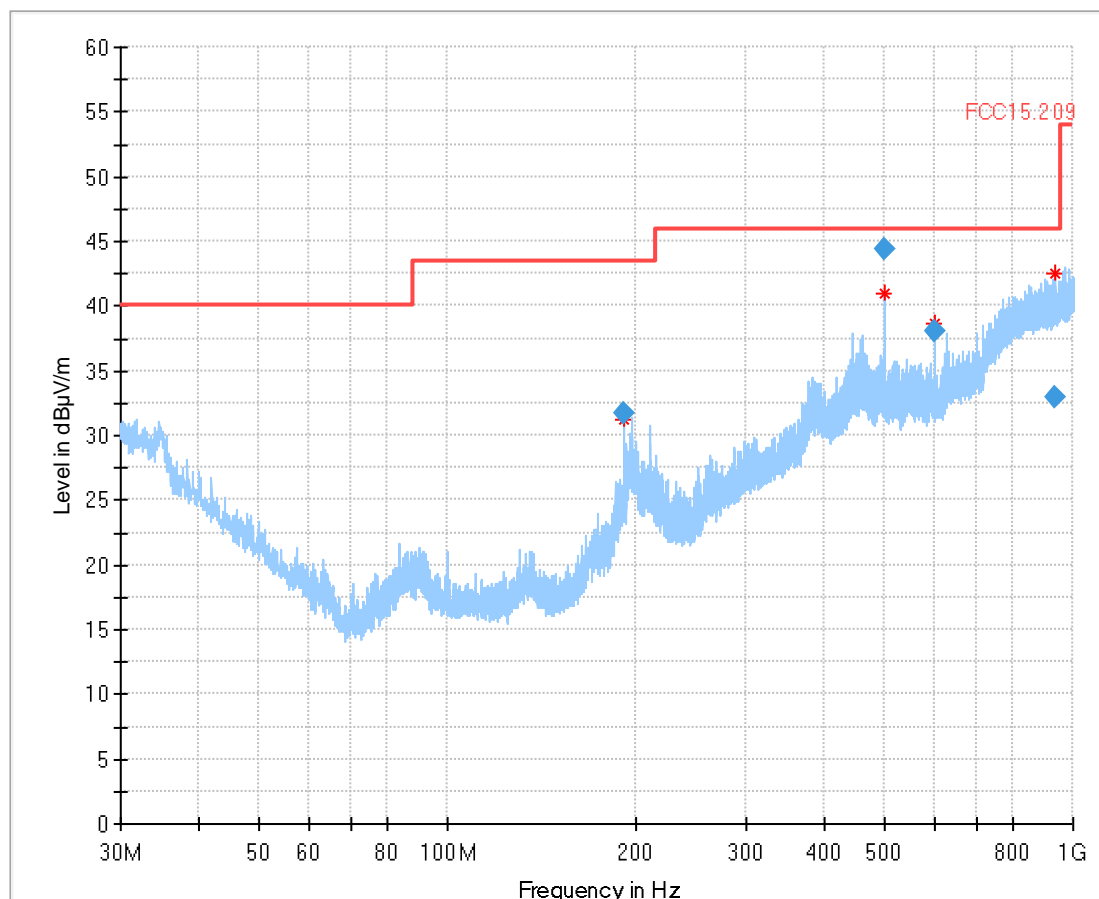
3.05a_n40-mode_ch03

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
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	SLo
Operating conditions:	n40-mode MCS1 ch03
Power during tests:	120V
Comment 1:	EUT standing (defined normal position)

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Correction (dB)
191.904000	31.77	43.50	11.73	1000.0	120.000	151.0	H	161.0	0.0	11.5
499.936000	44.35	46.00	1.65	1000.0	120.000	142.0	H	-4.0	0.0	19.5
599.924000	37.98	46.00	8.02	1000.0	120.000	121.0	H	-6.0	0.0	22.0
938.368000	32.97	46.00	13.03	1000.0	120.000	317.0	V	110.0	0.0	27.0

WLAN & Bluetooth simultaneous transmissions

3.06a_ WLAN2,4+BT

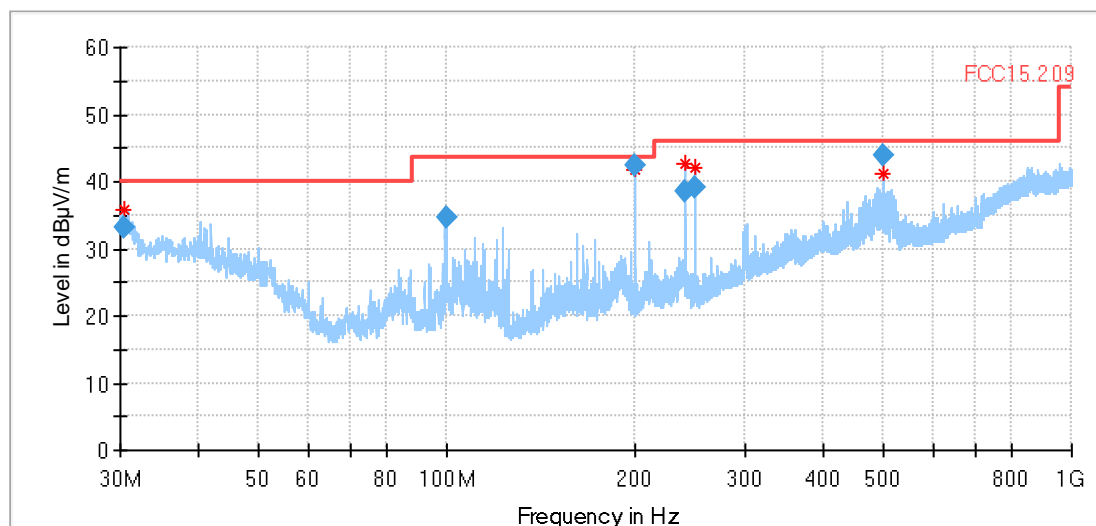
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	MAh
Operating Mode:	Wlan 2.4GHz Iperf connection + BT Connection to Speaker
Power during tests:	13.5VDC
Comment 1:	
Environmental Conditions.:	Humidity : 41,7%rH; Temperature: 21,4°C
EUT Setup:	1
Verdict:	Passed

EUT Information

EUT Name:	Thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.340000	33.03	40.00	6.97	120.000	336.0	H	259.0	21.4
99.988000	34.72	43.50	8.78	120.000	209.0	V	0.0	8.1
200.024000	42.37	43.50	1.13	120.000	105.0	V	272.0	11.3
240.016000	38.65	46.00	7.35	120.000	112.0	H	120.0	13.1

250.000000	39.20	46.00	6.80	120.000	145.0	H	126.0	13.0
499.936000	43.99	46.00	2.01	120.000	208.0	H	184.0	19.5

3.3. Radiated electric field measurement 1 GHz to 18 GHz

4.01a_b-mode_ch01

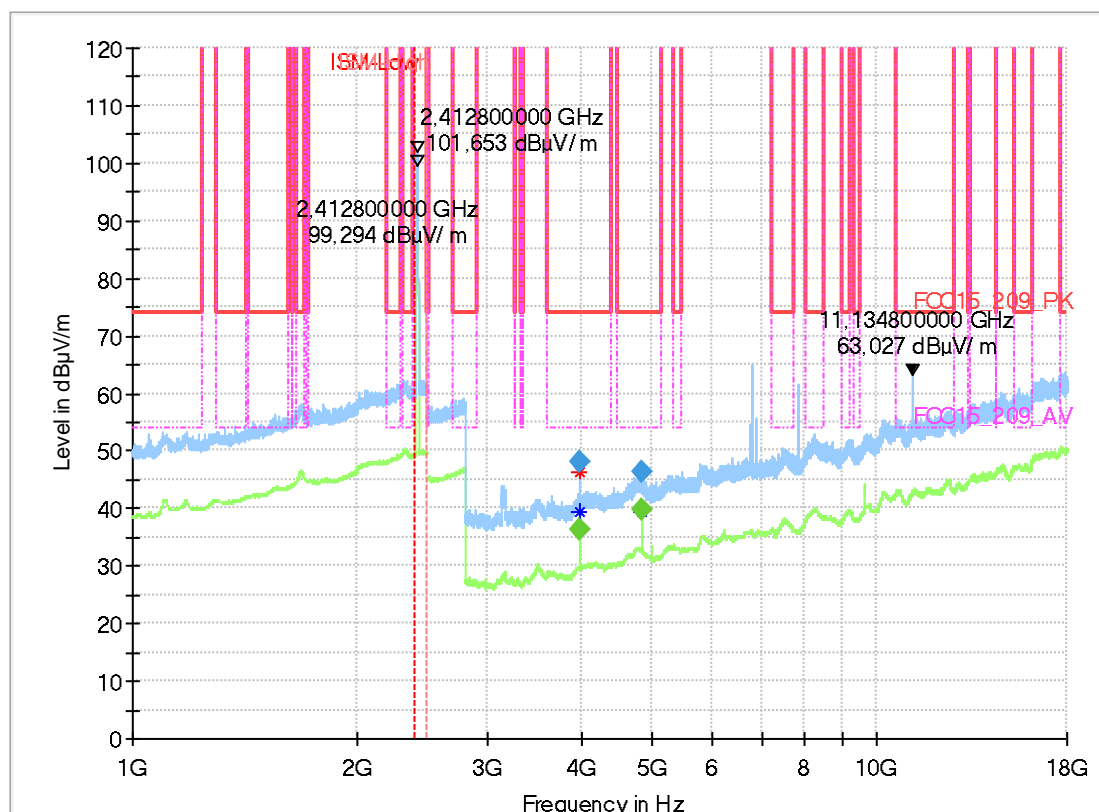
Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	b-mode 1Mbit ch01
Operator Name:	Rls
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction (dB)
3983.480000	---	36.38	54.00	17.62	100.0	1000.000	155.0	H	261.0	1.6
3983.520000	48.21	---	74.00	25.79	100.0	1000.000	155.0	H	91.0	1.6
4823.960000	---	39.62	54.00	14.38	100.0	1000.000	155.0	H	94.0	4.9
4823.960000	46.23	---	74.00	27.77	100.0	1000.000	155.0	H	109.0	4.9

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

Frequency (MHz)	Comment
3983.480000	11:33:08 - 12.01.2019
3983.520000	11:27:37 - 12.01.2019
4823.960000	11:31:04 - 12.01.2019
4823.960000	11:29:18 - 12.01.2019

4.02a_g-mode_ch06

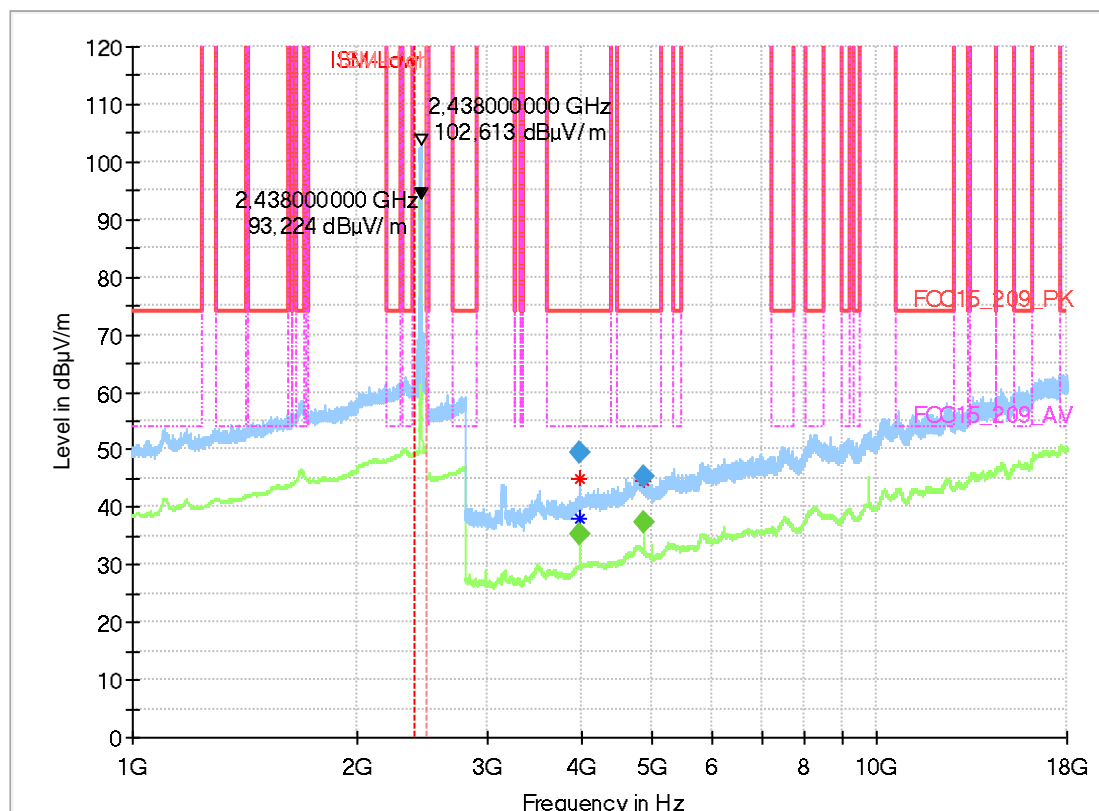
Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	g-mode 18MBit ch06
Operator Name:	RI's
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction (dB)
3983.480000	---	35.37	54.00	18.63	100.0	1000.000	155.0	V	324.0	1.6
3983.480000	49.55	---	74.00	24.45	100.0	1000.000	155.0	V	327.0	1.6
4873.960000	45.23	---	74.00	28.77	100.0	1000.000	155.0	V	175.0	4.3
4873.960000	---	37.26	54.00	16.74	100.0	1000.000	155.0	H	91.0	4.3

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

Frequency (MHz)	Comment
3983.480000	12:32:46 - 12.01.2019
3983.480000	12:28:00 - 12.01.2019
4873.960000	12:25:58 - 12.01.2019
4873.960000	12:30:23 - 12.01.2019

4.03a_n-mode_ch11

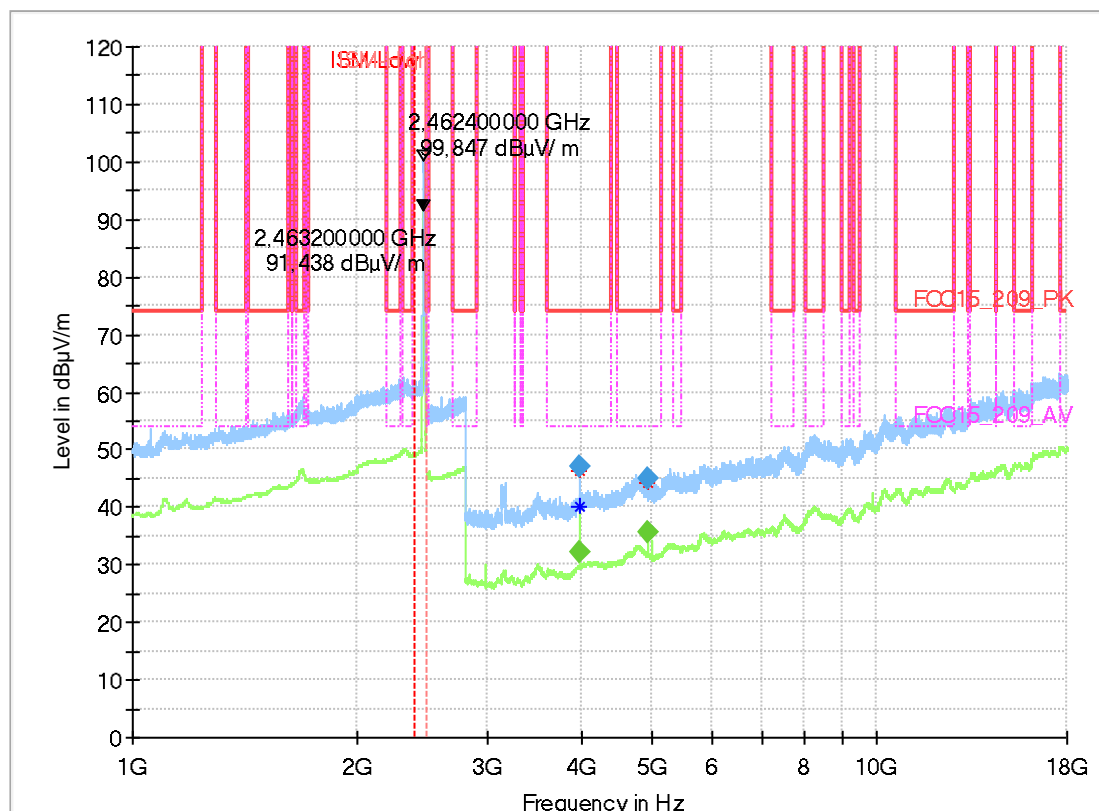
Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	n-mode MCS0 ch11
Operator Name:	RLs
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction (dB)
3983.480000	---	32.26	54.00	21.74	100.0	1000.000	155.0	H	272.0	1.6
3983.480000	46.94	---	74.00	27.06	100.0	1000.000	155.0	H	267.0	1.6
4923.960000	44.89	---	74.00	29.11	100.0	1000.000	155.0	H	101.0	4.0
4923.960000	---	35.65	54.00	18.35	100.0	1000.000	155.0	H	88.0	4.0

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

Frequency (MHz)	Comment
3983.480000	13:46:55 - 12.01.2019
3983.480000	13:42:46 - 12.01.2019
4923.960000	13:40:41 - 12.01.2019
4923.960000	13:44:51 - 12.01.2019

4.04a_n40-mode_ch03

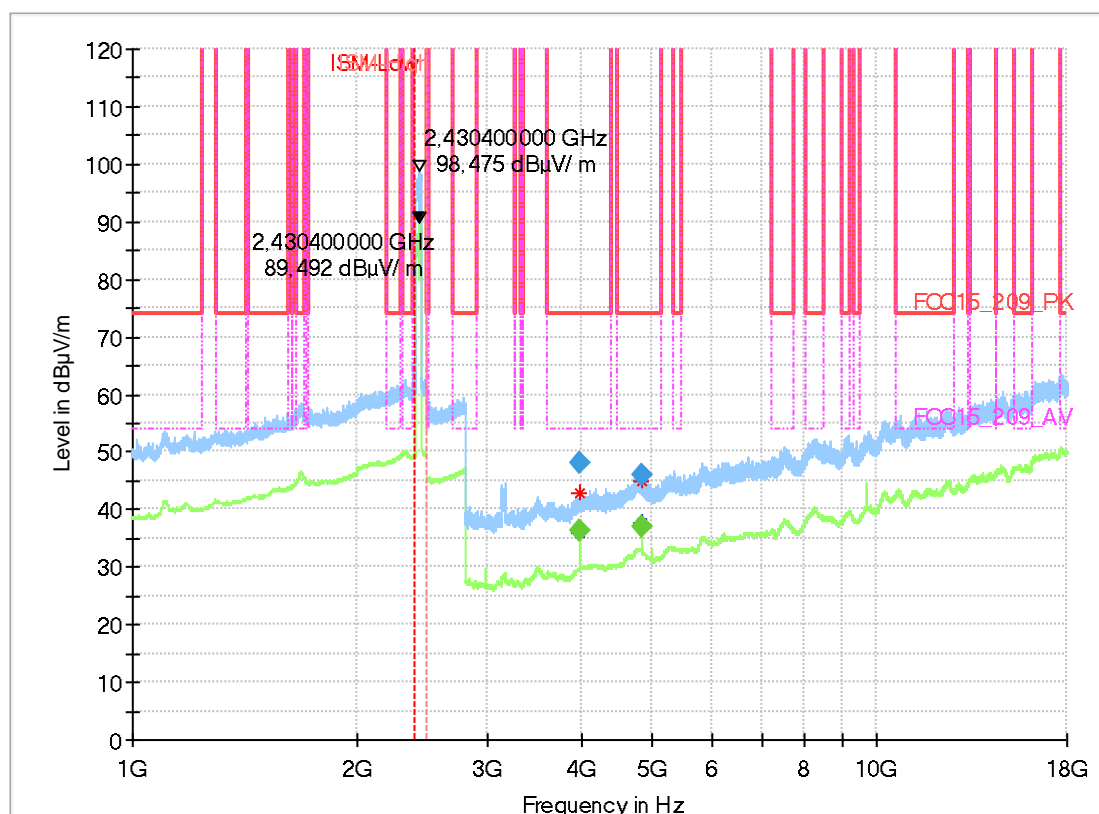
Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	n40-mode MCS1 ch03
Operator Name:	RIs
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction (dB)
3983.480000	---	36.29	54.00	17.71	100.0	1000.000	155.0	H	90.0	1.6
3983.520000	47.92	---	74.00	26.08	100.0	1000.000	155.0	V	325.0	1.6
4843.960000	---	37.12	54.00	16.88	100.0	1000.000	155.0	H	94.0	4.6
4843.960000	45.96	---	74.00	28.04	100.0	1000.000	155.0	H	71.0	4.6

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

Frequency (MHz)	Comment
3983.480000	14:39:58 - 12.01.2019
3983.520000	14:37:32 - 12.01.2019
4843.960000	14:41:43 - 12.01.2019
4843.960000	14:35:05 - 12.01.2019

4.05a_n40-mode_ch09

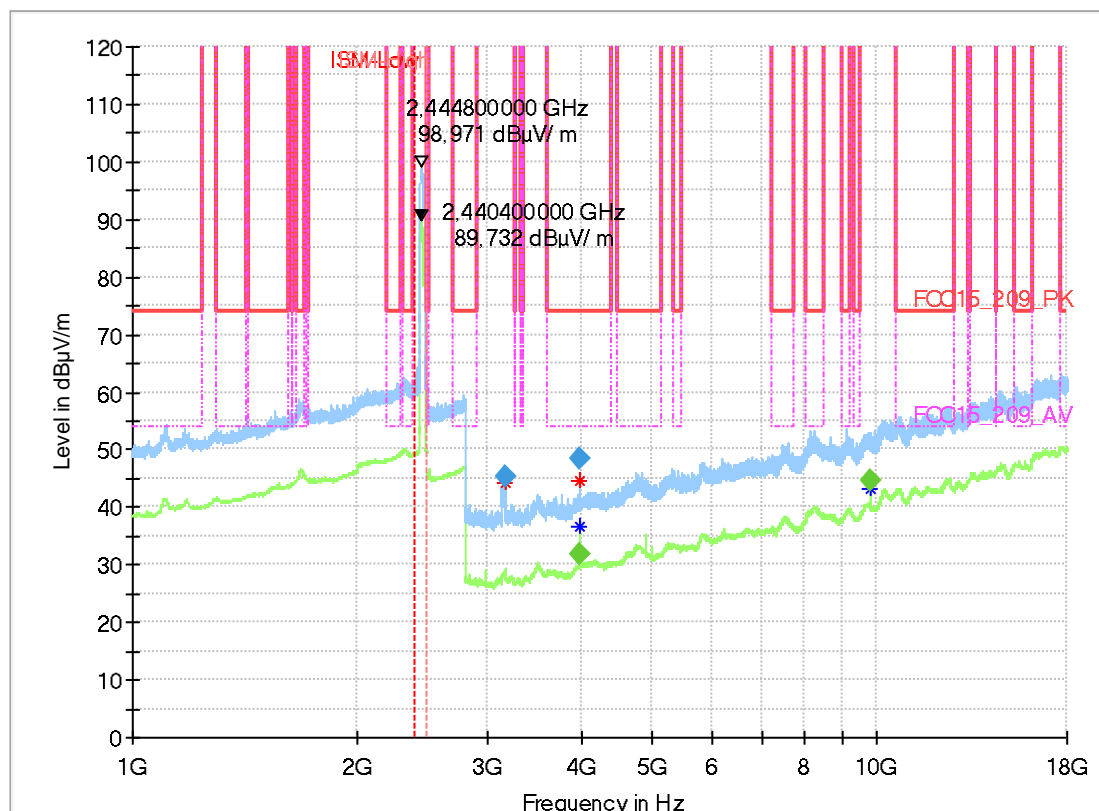
Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	n40-mode MCS1 ch09
Operator Name:	RIs/HEI
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction (dB)
3168.400000	45.15	---	150.00	104.8	100.0	1000.000	155.0	V	187.0	-0.3
3983.520000	---	31.73	54.00	22.27	100.0	1000.000	155.0	V	281.0	1.6
3983.520000	48.39	---	74.00	25.61	100.0	1000.000	155.0	V	327.0	1.6
9807.920000	---	44.61	150.00	105.3	100.0	1000.000	155.0	H	93.0	14.7

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

Frequency (MHz)	Comment
3168.400000	16:07:29 - 12.01.2019
3983.520000	16:14:23 - 12.01.2019
3983.520000	16:09:30 - 12.01.2019
9807.920000	16:11:56 - 12.01.2019

WLAN & Bluetooth simultaneous transmissions

4.06a_WLAN2,4+BT

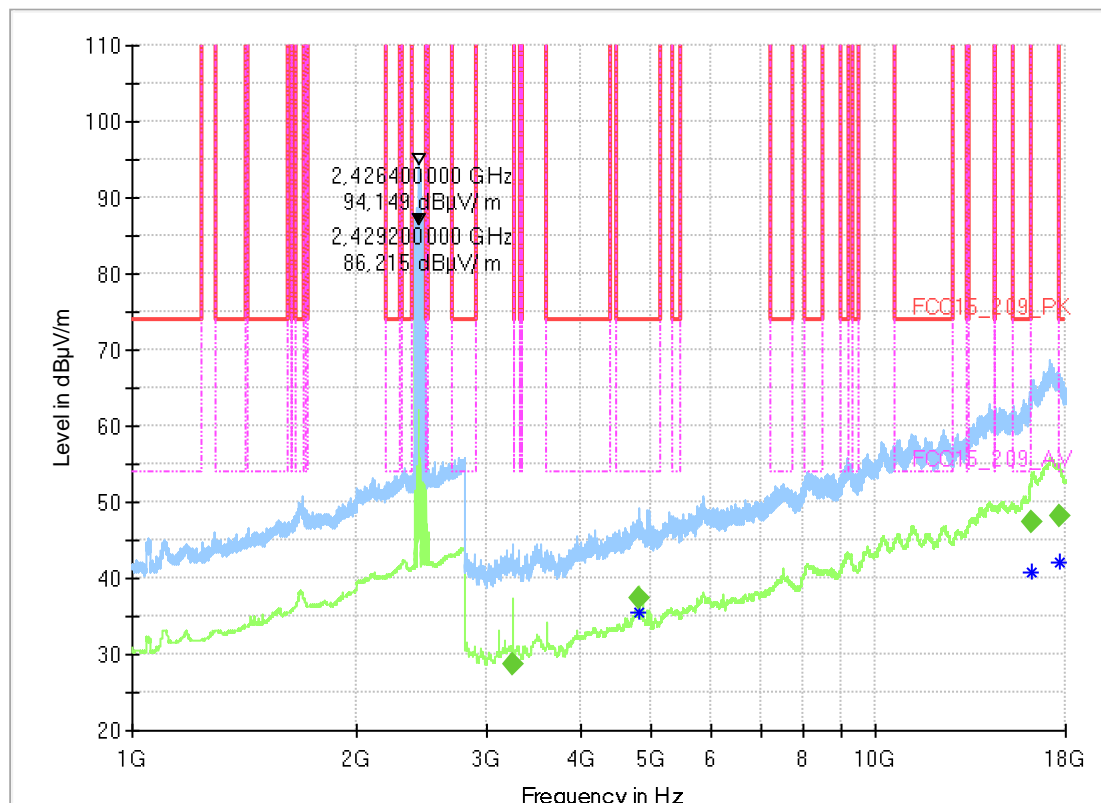
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operating Mode:	2.4GHz Wifi Iperf Connection with router + BT connection with Speaker
Operator:	Mah
Comment:	Channel no. low/high
Comment2:	Modulation Type: xxx Data Rate: yyyEnvironmental Conditions::
EUT Setup:	1
Verdict:	Passed

EUT Information

EUT Name:	Thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Product:	Household equipment with WLAN
EUT Model:	NWOT
Serial Number:	18434212024100521
Hardware Rev:	
Software Rev:	
Comment:	120V AC

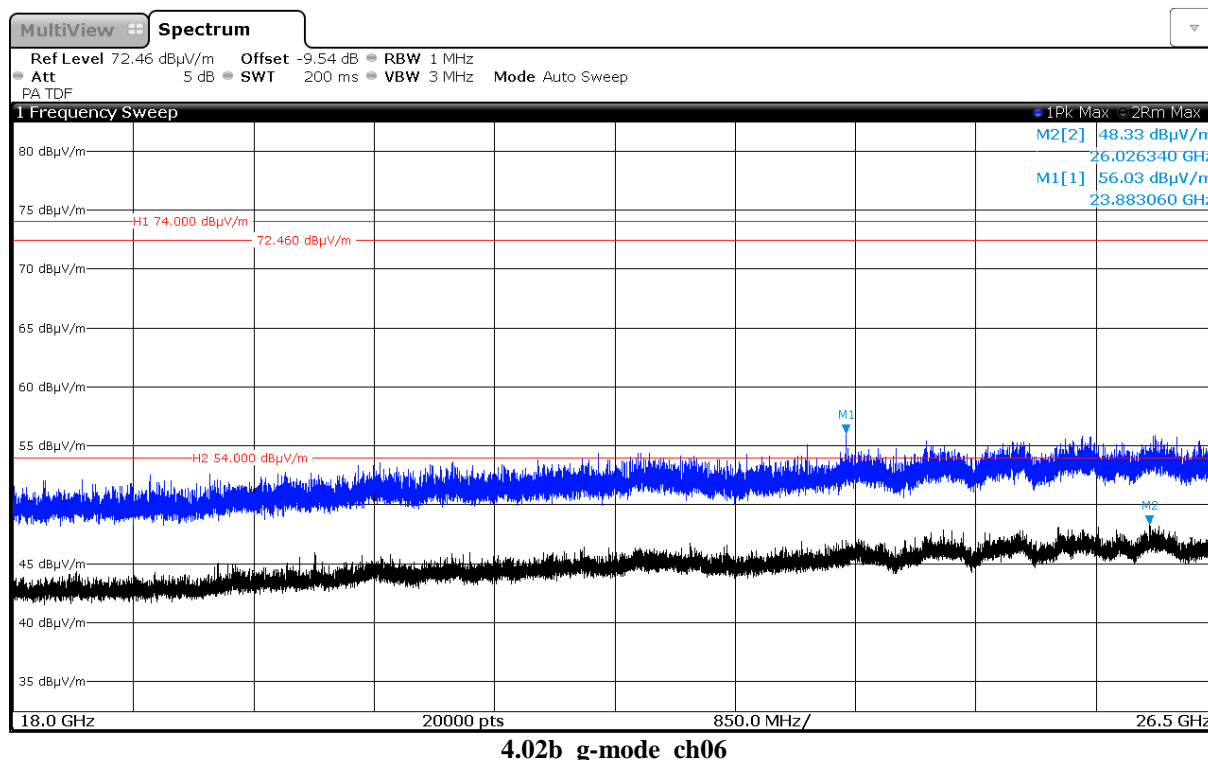
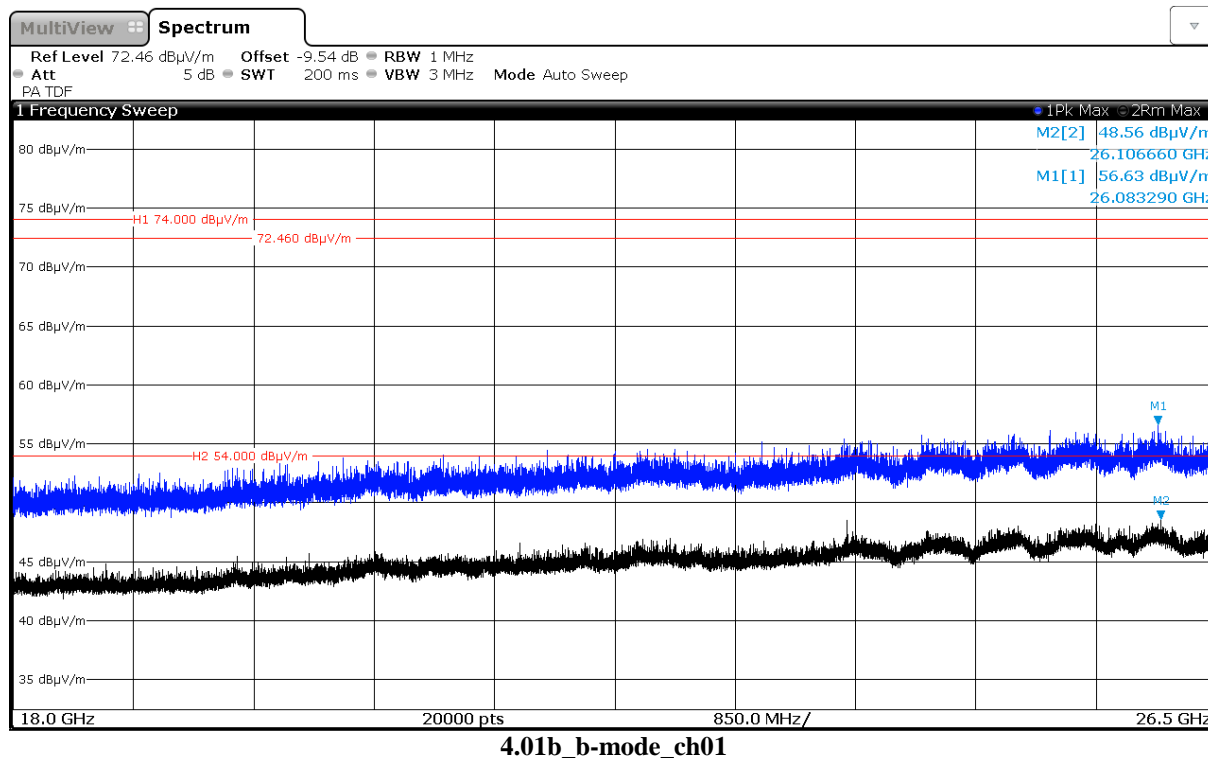
Full Spectrum

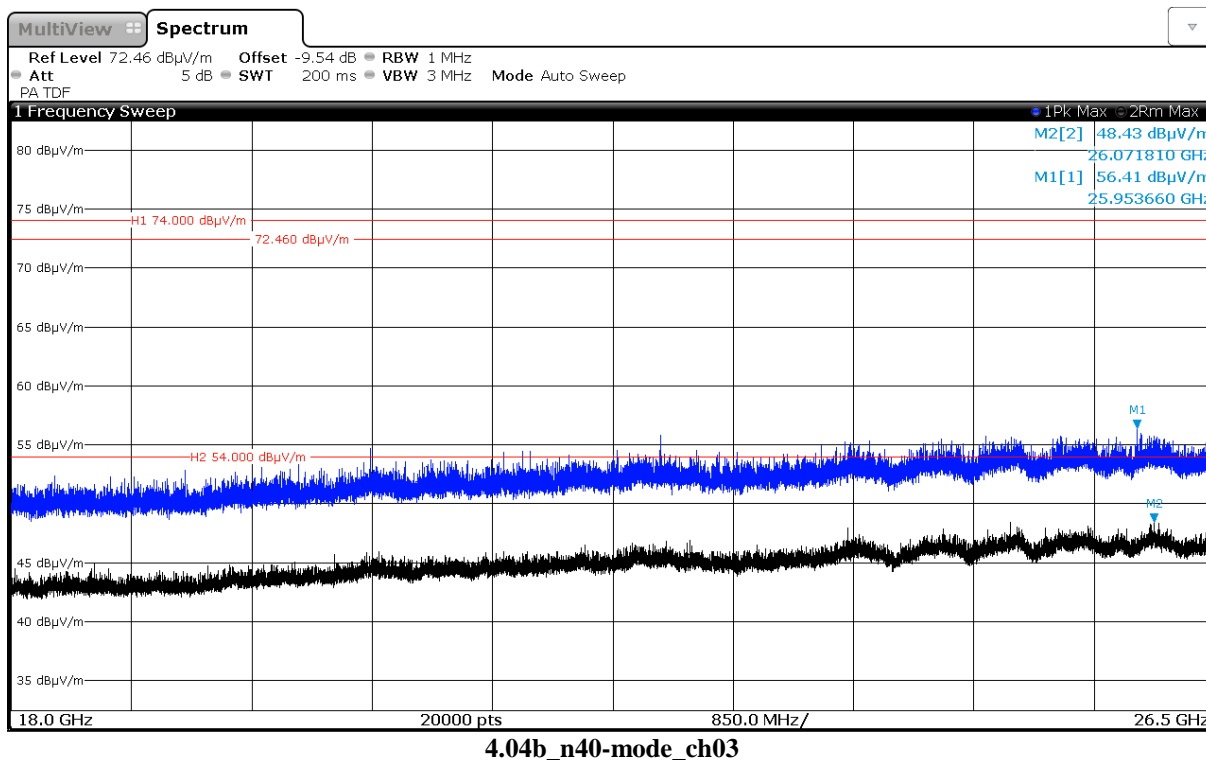
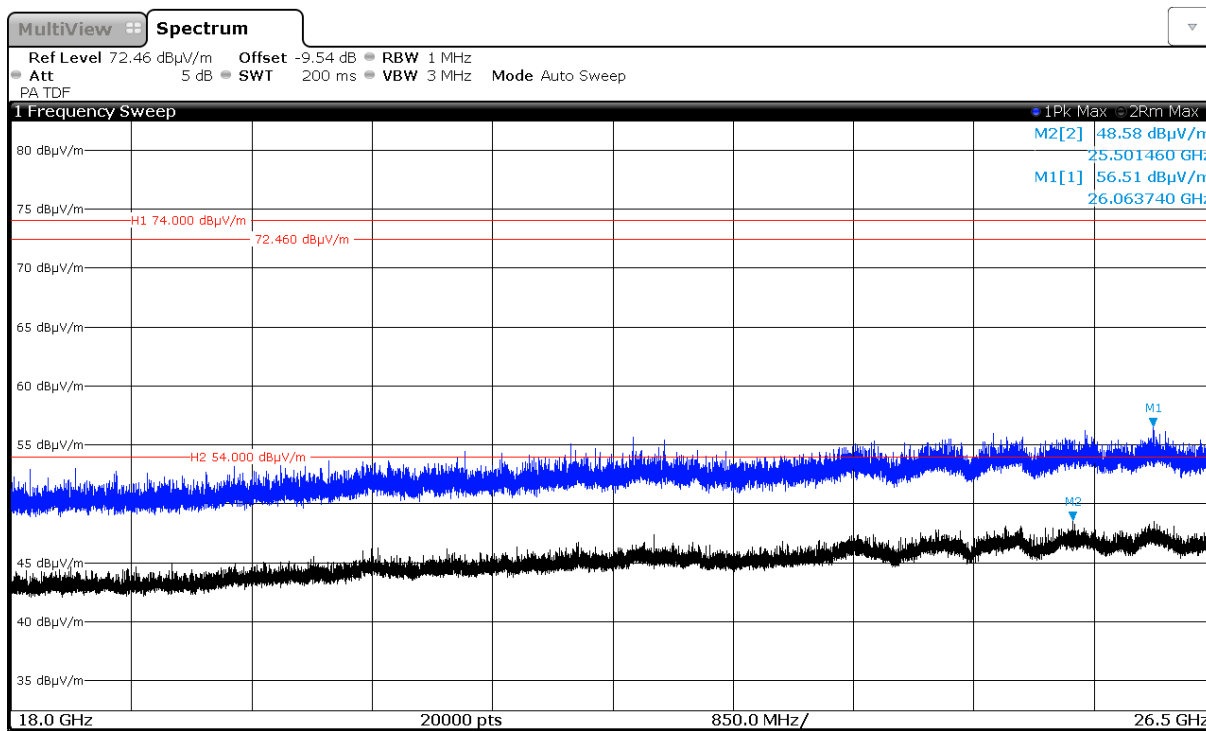


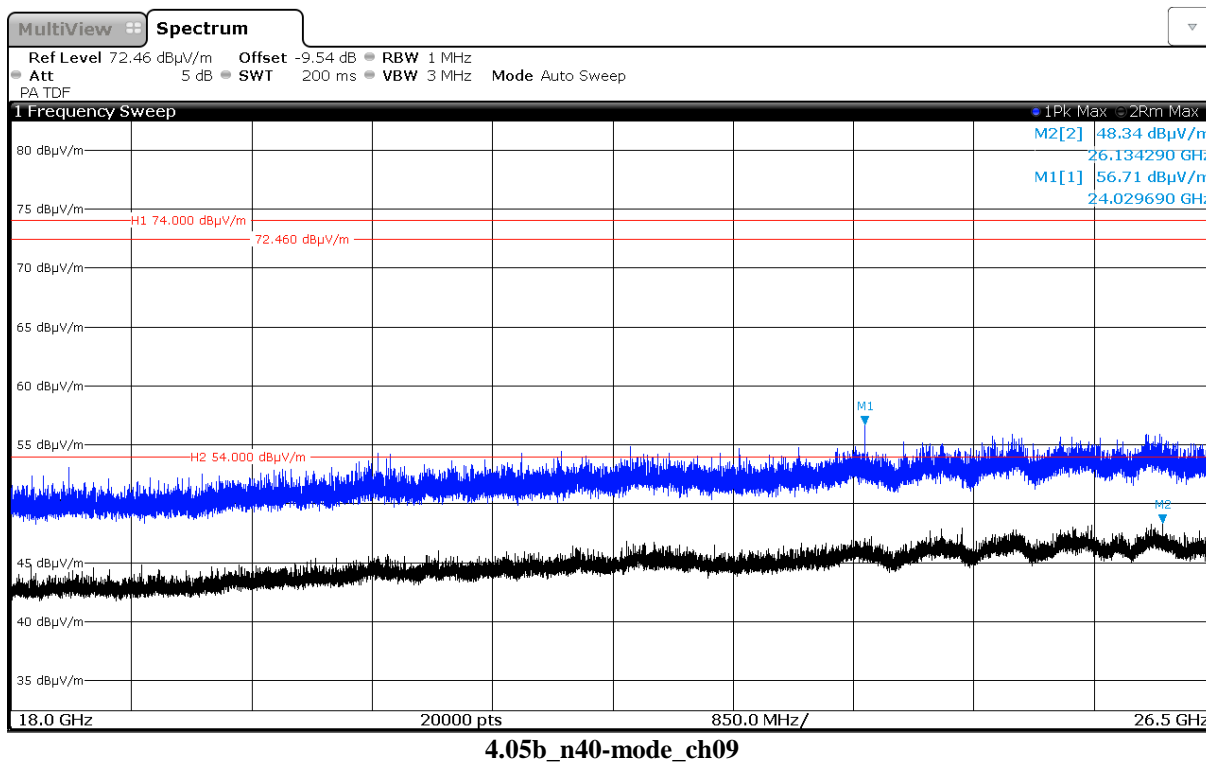
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/ m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Cor r. (dB/	Comment
3256.450000	---	150.00	121.35	100.0	1000.000	V	75.0	2	20:19:16 - 05.07.2019
4800.330000	---	54.00	16.69	100.0	1000.000	H	33.0	6	20:15:27 - 05.07.2019
16190.850000	---	54.00	6.57	100.0	1000.000	V	87.0	28	20:17:29 - 05.07.2019
17703.490000	---	54.00	5.81	100.0	1000.000	V	285.0	29	20:21:21 - 05.07.2019

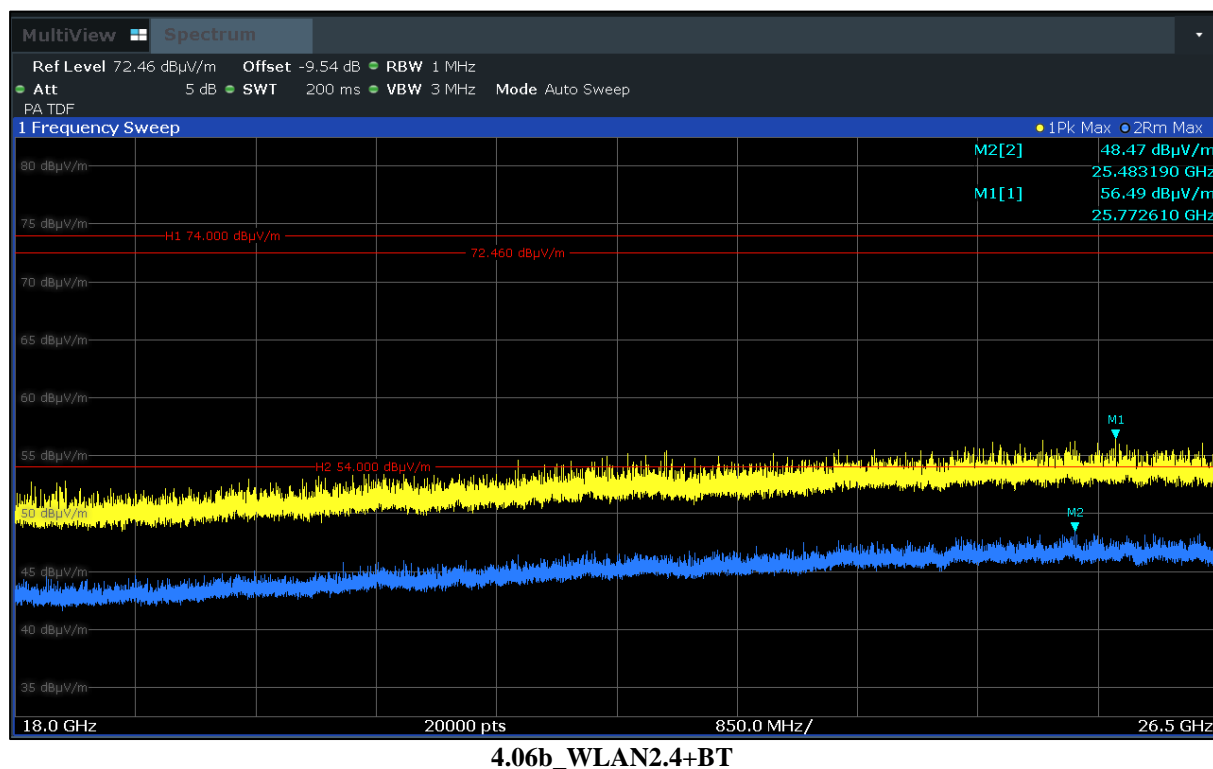
3.4. Radiated electric field measurement 18 GHz to 26.5 GHz







WLAN & Bluetooth simultaneous transmissions



3.5. Low Band edge compliance

9.01a_b-mode_ch01

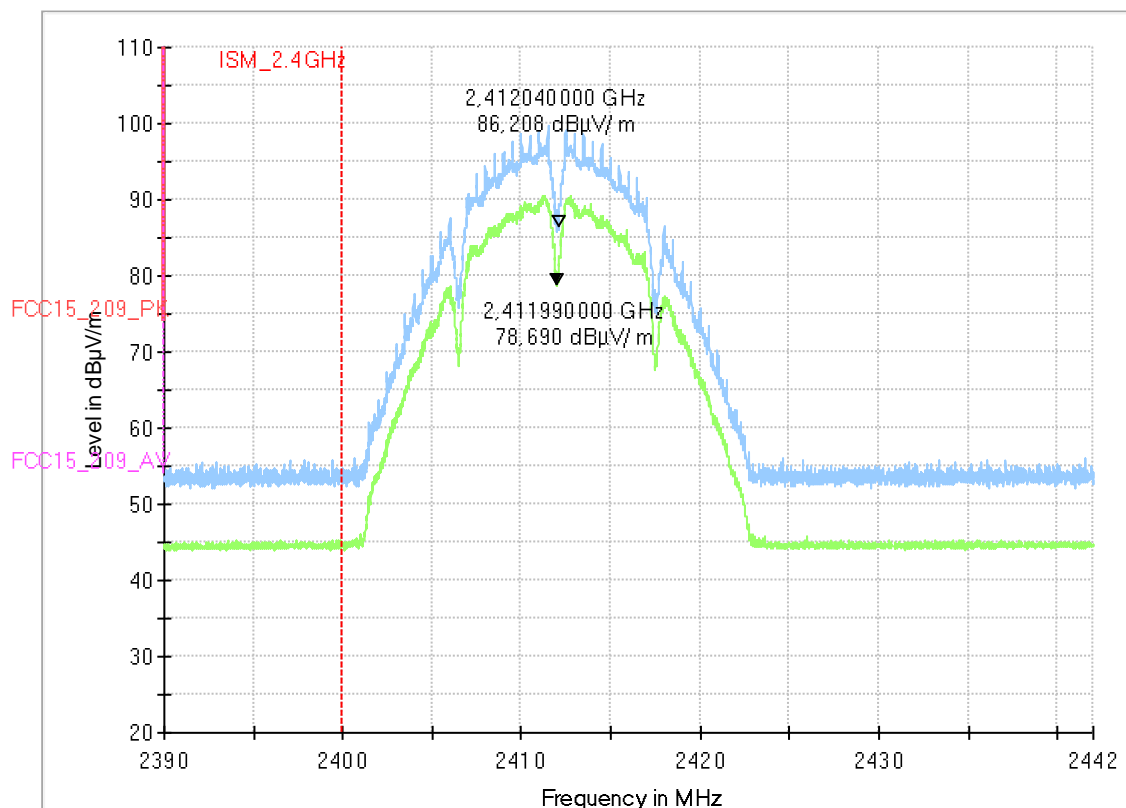
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	b-mode 1Mbit ch01
Operator Name:	HEI
Verdict:	Channel no. low

EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	Thermomix
Type:	Household equipment with WLAN
HW version:	NWOT
SW version:	0.18.109-201808300615
Serial number:	18434212024100415
Power Supply:	120 VDC 60 Hz

Full Spectrum



9.02a_g-mode_ch01

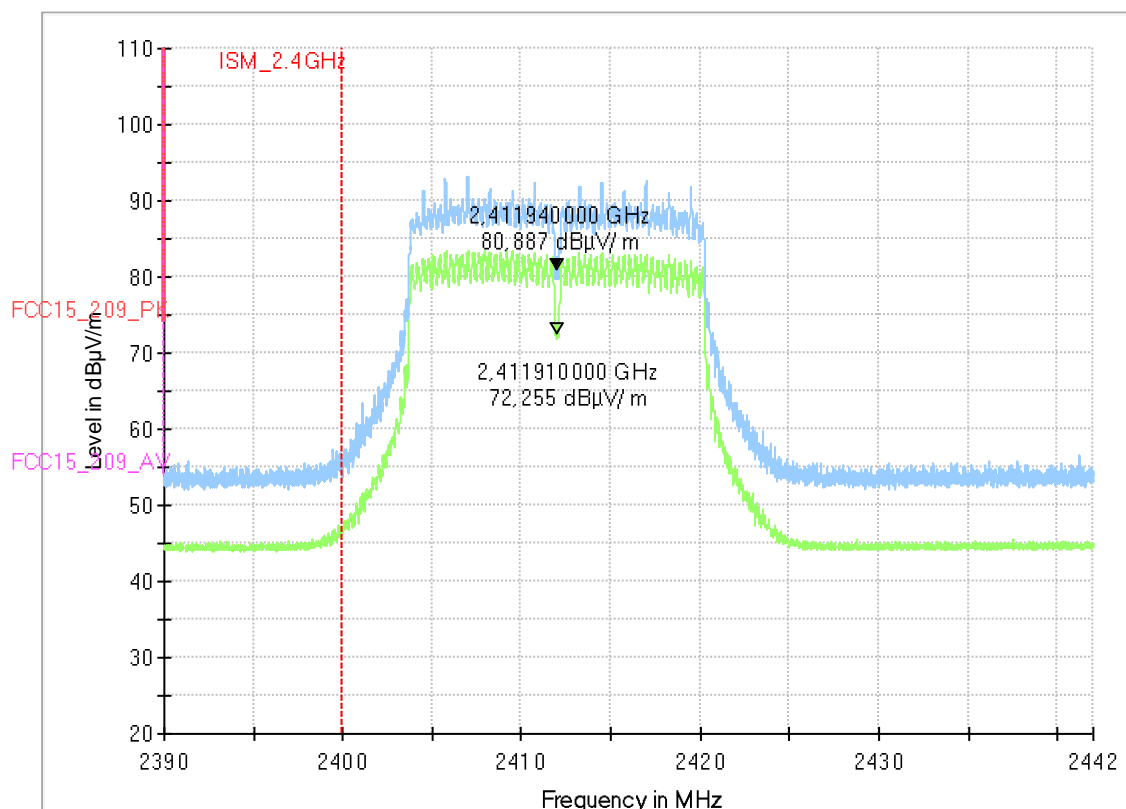
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	g-mode 18MBIt ch01
Operator Name:	HEI
Verdict:	Channel no. low

EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	Thermomix
Type:	Household equipment with WLAN
HW version:	NWOT
SW version:	0.18.109-201808300615
Serial number:	18434212024100415
Power Supply:	120 VDC 60 Hz

Full Spectrum



9.03a_n-mode_ch01

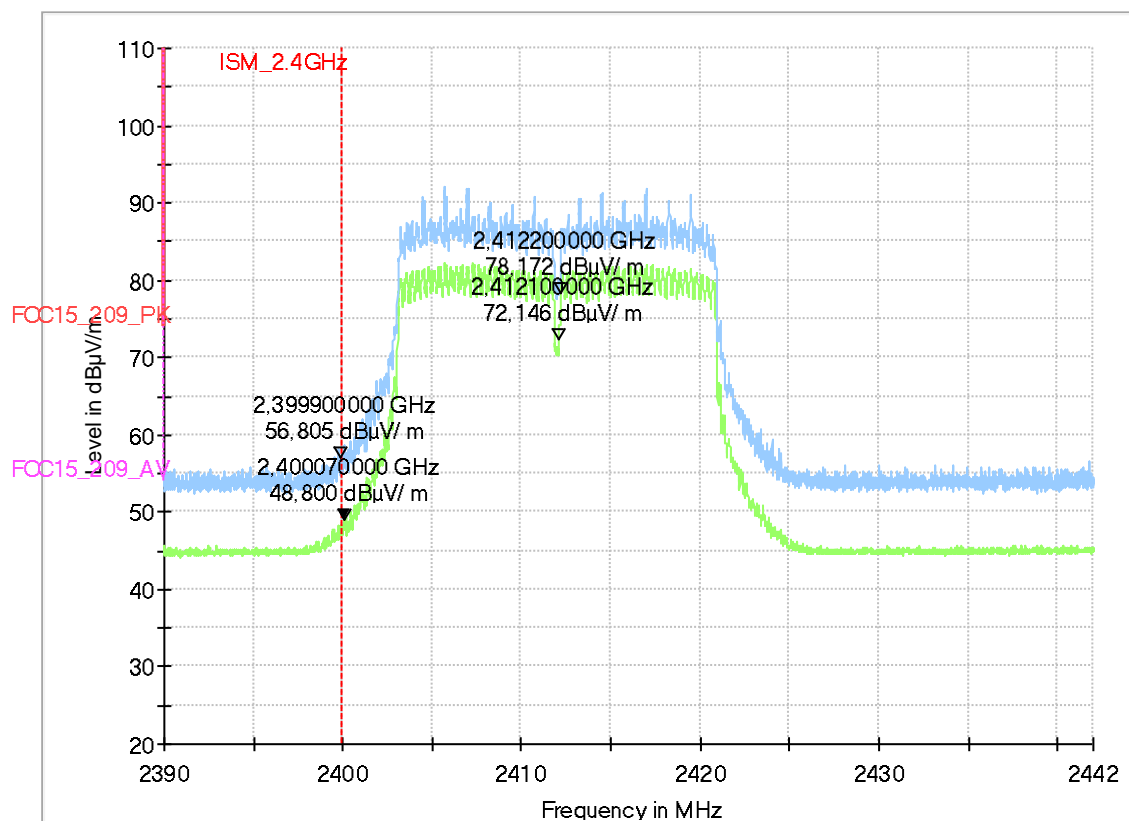
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	n-mode MCS0 ch01
Operator Name:	HEI
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



9.04a_n40-mode_ch03

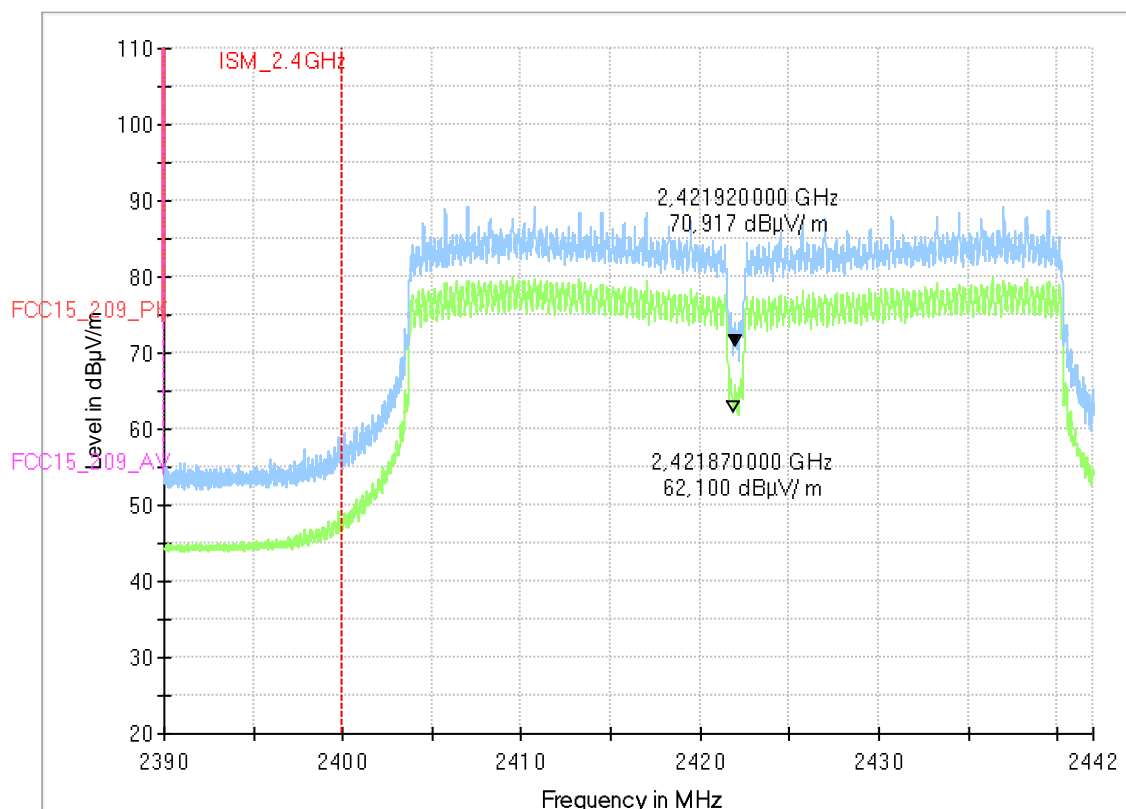
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	n40-mode MCS1 ch03
Operator Name:	HEI
Verdict:	Channel no. low

EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	Thermomix
Type:	Household equipment with WLAN
HW version:	NWOT
SW version:	0.18.109-201808300615
Serial number:	18434212024100415
Power Supply:	120 VDC 60 Hz

Full Spectrum



3.6. High Band edge compliance

9.01b_b-mode_ch11

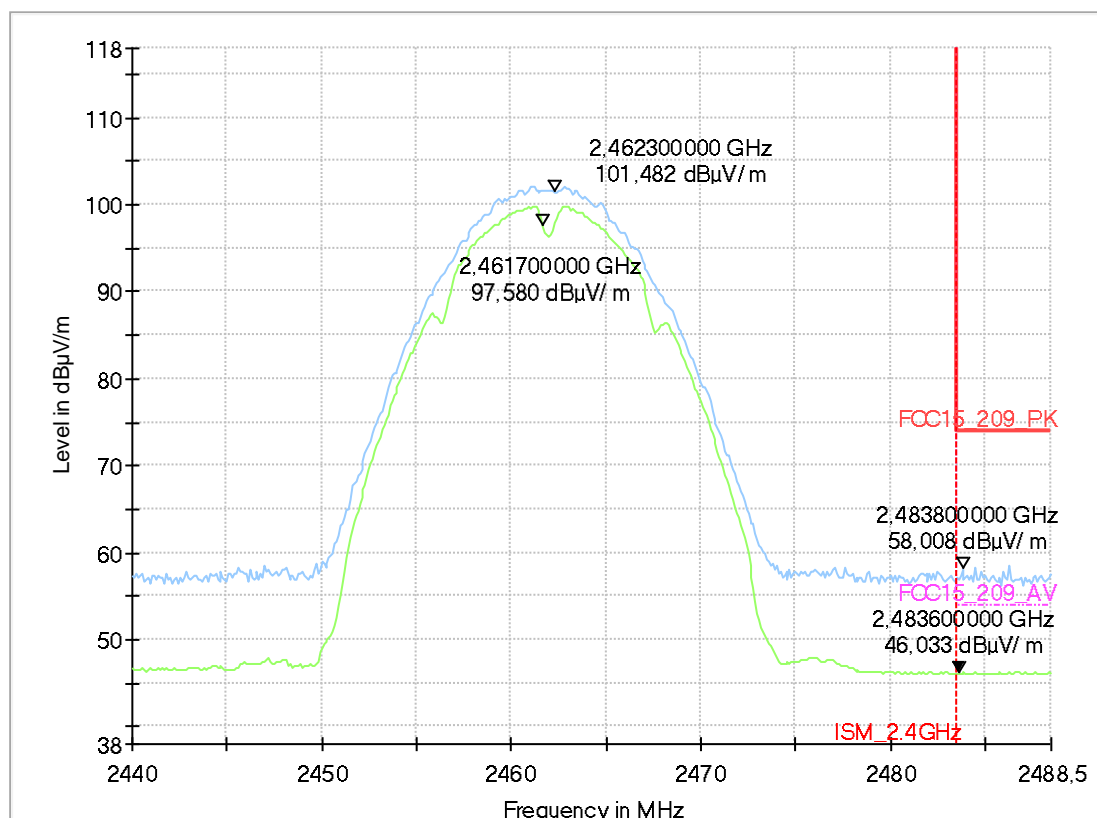
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	b-mode [1Mbit] ch11
Operator Name:	HEI
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



9.02b_g-mode_ch11

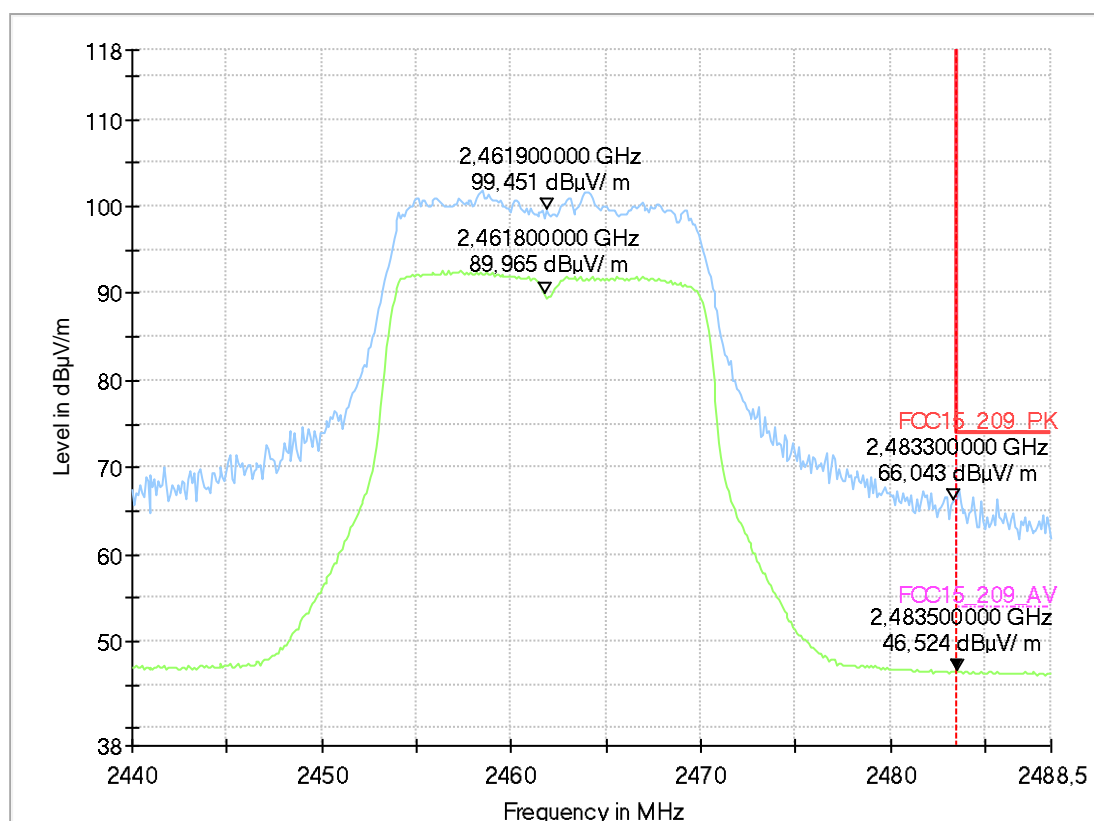
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	g-mode 18MBit ch11
Operator Name:	HEI
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



9.03b_n-mode_ch11

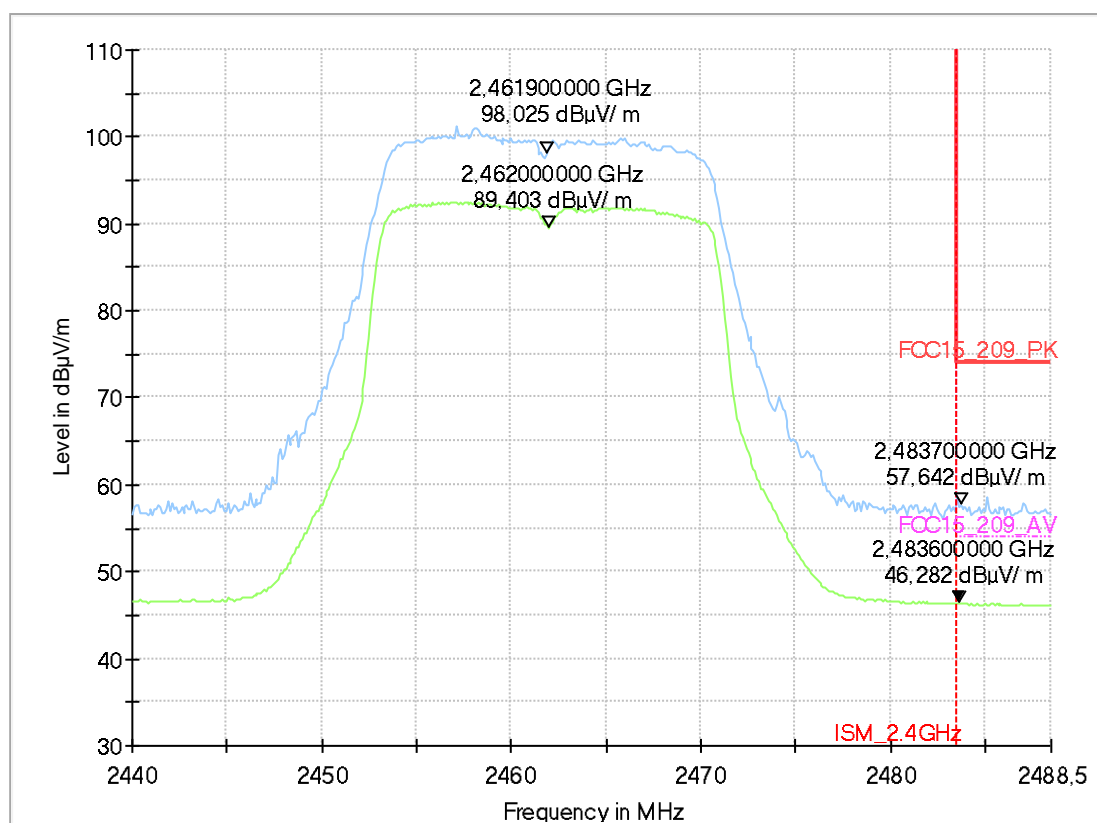
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	9.03b_n-mode_ch11
Operator Name:	HEI
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum



9.04b_n40-mode_ch09

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operation mode:	n40-mode MCS1 ch09
Operator Name:	HEI
Comment:	120V AC

EUT Information

EUT Name:	thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum

