Page 1 of 41



### Appendix A

#### Test Results of Wi-Fi 802.11b/g/n of Conducted Testing

APPENDIX A	1
APPENDIX A.1: MAXIMUM PEAK CONDUCTED OUTPUT POWER	2
Wi-Fi 802.11 b mode, 1 Mbps	2
Wi-Fi 802.11 g mode, 6 Mbps	4
Wi-Fi 802.11 n(HT20) mode, MCS0	6
Wi-Fi 802.11 n(HT40) mode, MCS0	8
APPENDIX A.2: CONDUCTED POWER SPECTRAL DENSITY	10
Wi-Fi 802.11 b mode, 1 Mbps	
Wi-Fi 802.11 g mode, 6 Mbps	
Wi-Fi 802.11 n(HT20) mode, MCS0	
Wi-Fi 802.11 n(HT40) mode, MCS0	16
APPENDIX A.3: 6DB BANDWIDTH	18
Wi-Fi 802.11 b mode, 1 Mbps	
Wi-Fi 802.11 g mode, 6 Mbps	20
Wi-Fi 802.11 n(HT20) mode, MCS0	22
Wi-Fi 802.11 n(HT40) mode, MCS0	24
APPENDIX A.4: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH	26
Wi-Fi 802.11 b mode, 1 Mbps	26
Wi-Fi 802.11 g mode, 6 Mbps	29
Wi-Fi 802.11 n(HT20) mode, MCS0	32
Wi-Fi 802.11 n(HT40) mode, MCS0	35
Wi-Fi 802.11 b mode, Band Edge	38
Wi-Fi 802.11 g mode, Band Edge	
Wi-Fi 802.11 n(HT20) mode, Band Edge	40
Wi-Fi 802.11 n(HT40) mode. Band Edae	41



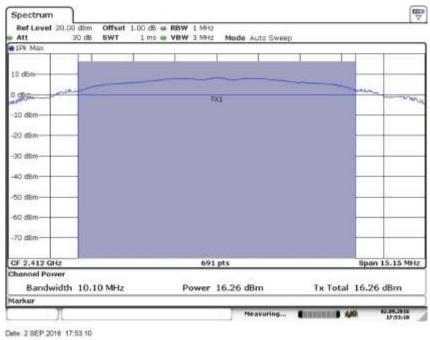


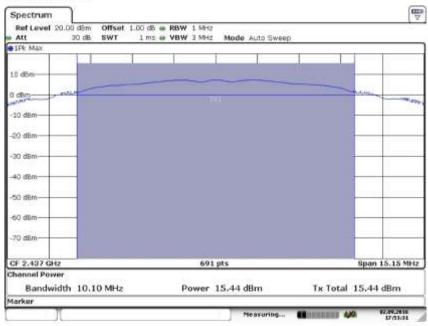
**Produkte Products** 

Page 2 of 41

#### **Appendix A.1: Maximum Peak Conducted Output Power**

Wi-Fi 802.11 b mode, 1 Mbps



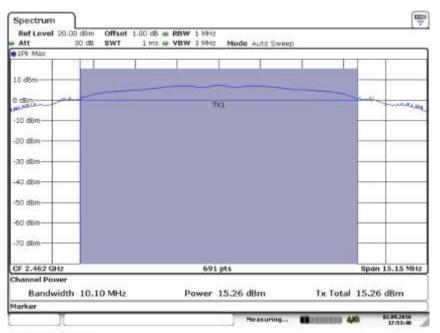


Date: 2 SEP 2018 17:53:30



Produkte Products

Page 3 of 41



Date: 2.SEP.2016 17:53:48

50057770 002 Page 4 of 41

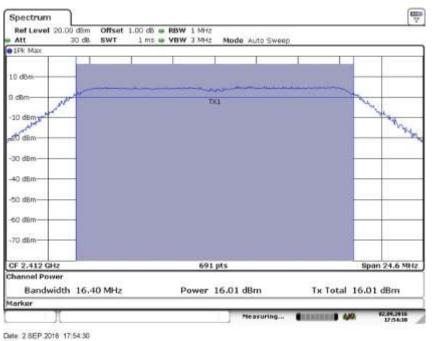




Wi-Fi 802.11 g mode, 6 Mbps

**Produkte** 

**Products** 



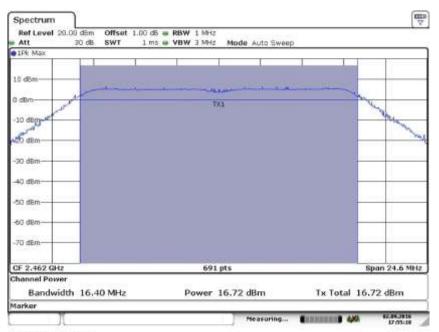
Spectrum Offset 1.00 dB = RBW 1 MHz SWT 1 ms = VBW 1 MHz Ref Level 20.00 dbm 30 dB Mode Auto Sweep Att TX1 10 dBmy dBm db -30 dBn -40 dBn -50 dBm -60 dBm--70 dBm-Span 24.6 MHz CF 2.437 GHz 691 pts Bandwidth 16.40 MHz Power 16.47 dBm Tx Total 16.47 dBm Measuring...

Date: 2.8EP.2016 17:54:57



Produkte Products

Page 5 of 41



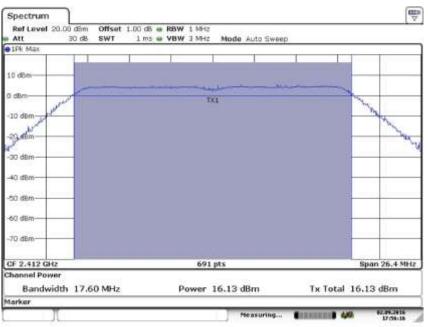
Date: 2.SEP.2016 17:55:18

Products

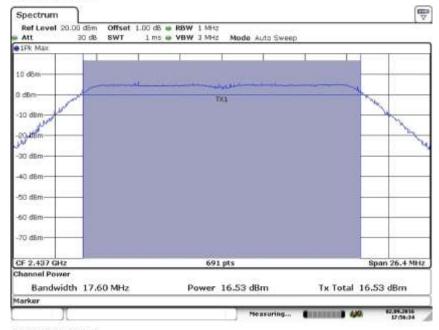
Page 6 of 41



#### Wi-Fi 802.11 n(HT20) mode, MCS0



Date: 2.SEP.2016 17:56:16

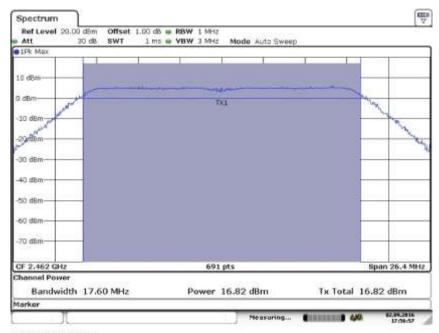


Date 2 SEP 2016 17:58:34



Produkte Products

Page 7 of 41

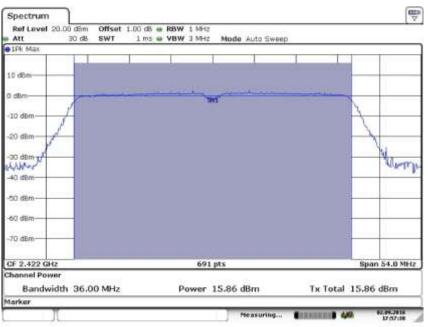


Date: 2.8EP.2016 17:56:57

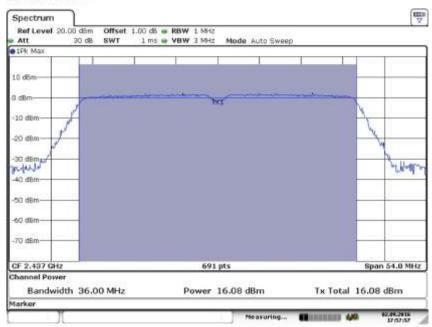




#### Wi-Fi 802.11 n(HT40) mode, MCS0



Date: 2.8EP.2016 17:57:38

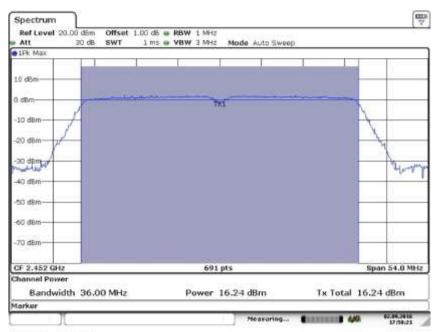


Date 2 SEP 2016 17:57:57



Produkte Products

Page 9 of 41



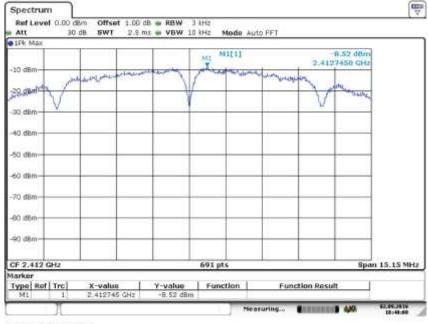
Date: 2 SEP 2016 17:58:20

**50057770 002** Page 10 of 41



#### **Appendix A.2: Conducted Power Spectral Density**

Wi-Fi 802.11 b mode, 1 Mbps



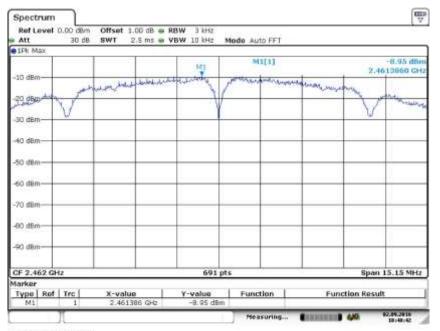
Date: 2 SEP 2016 18:48:07 ems V Spectrum . Att Mode Auto FFT • 1Pk Max MI[I] -9.50 dBm 2,4362558 GHz -10 dBm 20 dBgg+ 30 dBm 40 dBm -50 dBn -60 d8n -70 dBm mitt: 08--90 dfim Span 15.15 MHz CF 2.437 GHz 691 pts Type Ref Tro X-value 2.436255 GHz Y-value Function -9.50 dBm **Function Result** 

Date: 2 SEP 2016 18:48:24



Produkte Products

Page 11 of 41



Date: 2.SEP.2016 18:48:42

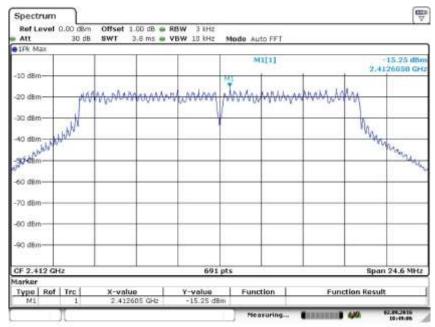
50057770 002



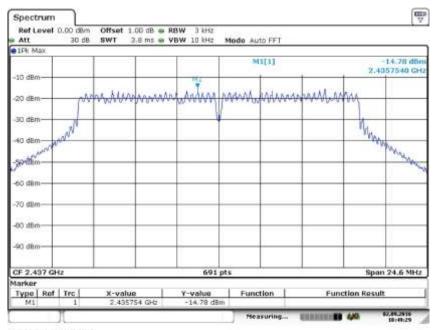
**Produkte Products** 

Page 12 of 41

#### Wi-Fi 802.11 g mode, 6 Mbps



Date: 2.SEP.2016 18:49.06

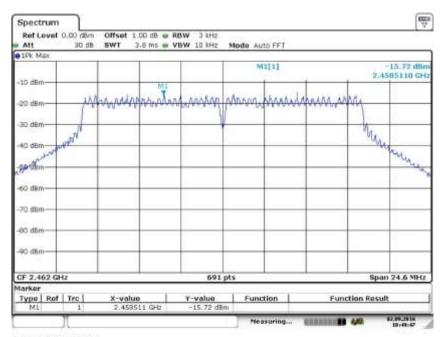


Date: 2 SEP 2016 18:49:29



Produkte Products

Page 13 of 41



Date: 2.SEP.2016 18:49:47

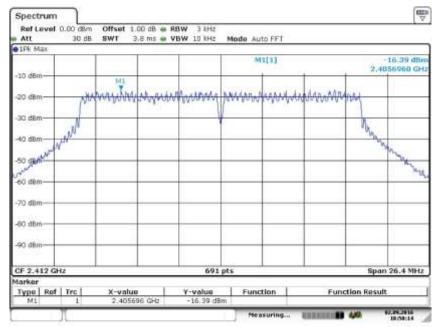
50057770 002



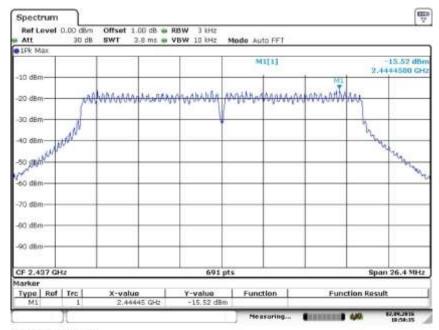
**Produkte Products** 

Page 14 of 41

#### Wi-Fi 802.11 n(HT20) mode, MCS0



Date: 2.8EP.2016 18:50:13

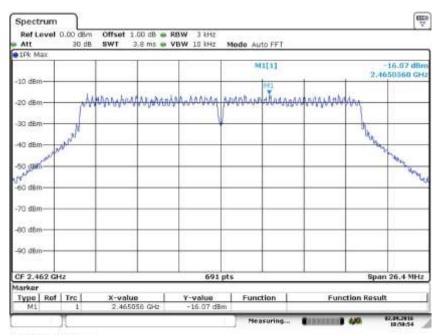


Date: 2 SEP 2016 18:50:35



Produkte Products

Page 15 of 41

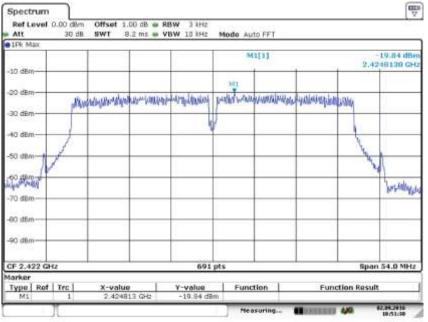


Date: 2.8EP.2016 18:50:54

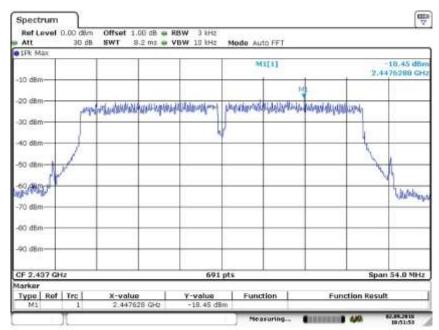
Page 16 of 41



#### Wi-Fi 802.11 n(HT40) mode, MCS0



Date: 2.8EP.2016 18:51:30

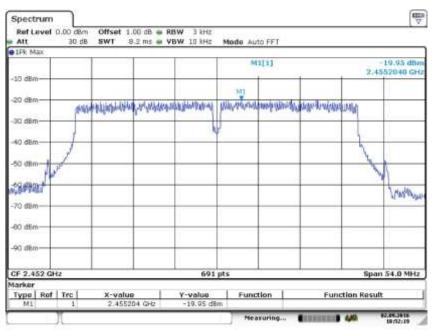


Date: 2 SEP 2016 18:51:53



Produkte Products

Page 17 of 41



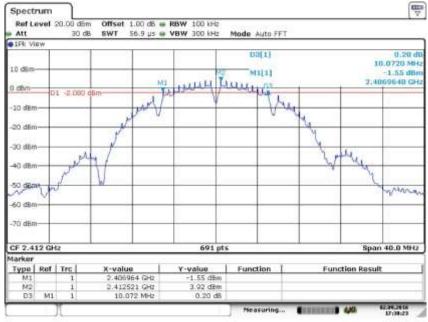
Date: 2 SEP 2016: 18:52:18

Page 18 of 41

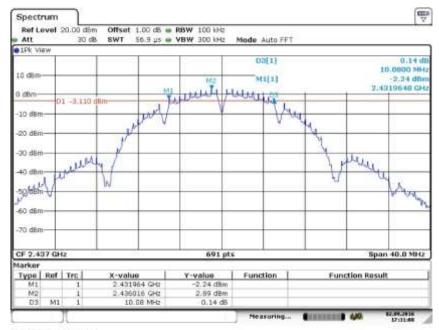


#### Appendix A.3: 6dB Bandwidth

#### Wi-Fi 802.11 b mode, 1 Mbps



Date: 2:SEP 2016 17:30:23

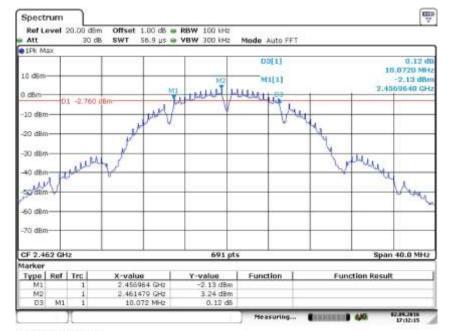


Date 2 SEP 2016 17:31:08



Produkte Products

Page 19 of 41



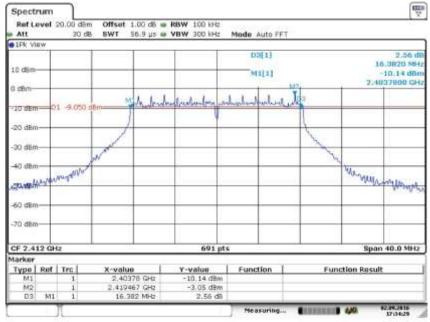
Date: 2.SEP.2016 17:32:14

Produkte Products

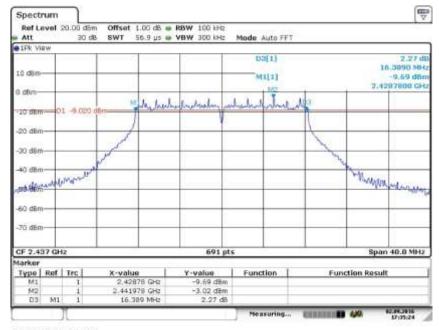
Page 20 of 41



#### Wi-Fi 802.11 g mode, 6 Mbps



Date: 2.SEP.2016 17:34:29



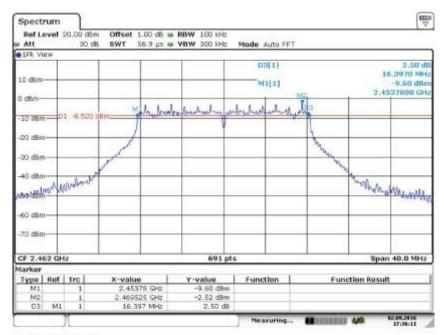
Date 2 SEP 2016 17:35:23



Products

Products

Page 21 of 41



Date: 2 SEP 2016 17:38:12

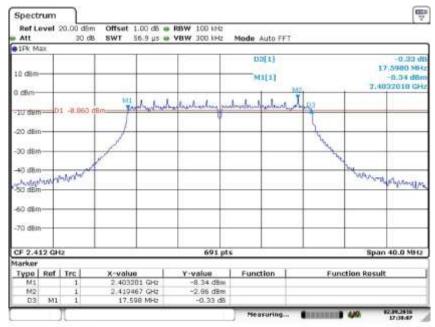
50057770 002



**Produkte Products** 

Page 22 of 41

#### Wi-Fi 802.11 n(HT20) mode, MCS0



Date: 2.SEP.2016 17:38:07



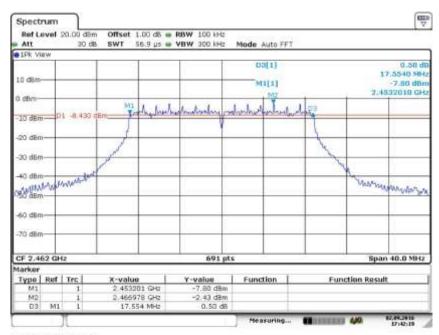
Date: 2 SEP 2016 17:41:13



Products

Products

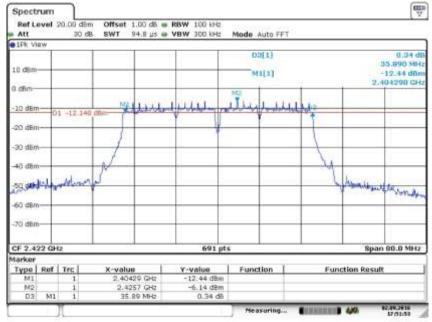
Page 23 of 41



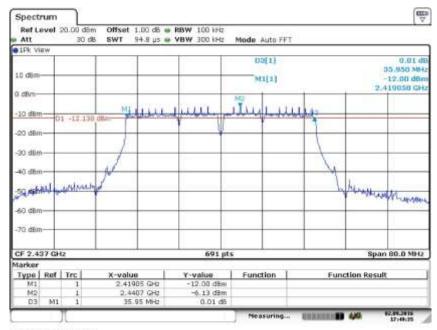
Date: 2 SEP 2016 17:42:19



#### Wi-Fi 802.11 n(HT40) mode, MCS0



Date: 2.SEP.2016 17:51:54

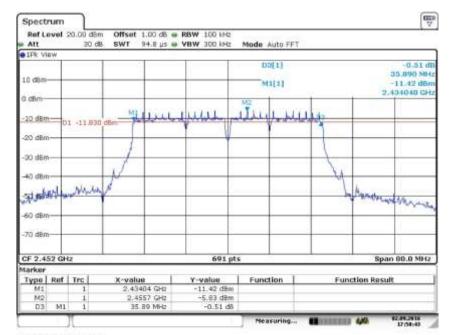


Date: 2.SEP.2016 17:49:35



Produkte Products

Page 25 of 41

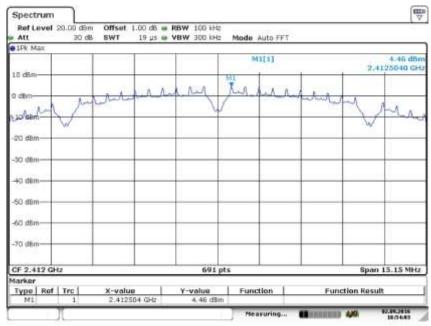


Date: 2.SEP.2016 17:50:43

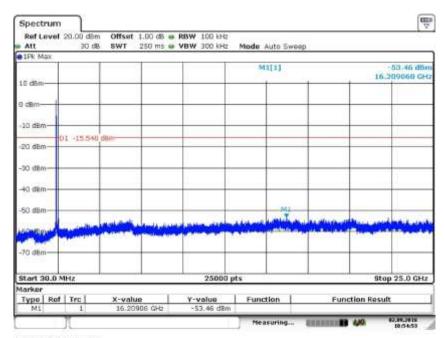
Page 26 of 41



# Appendix A.4: Conducted Spurious Emissions Measured in 100 kHz Bandwidth Wi-Fi 802.11 b mode, 1 Mbps



Date: 2 SEP 2016; 18:54:03

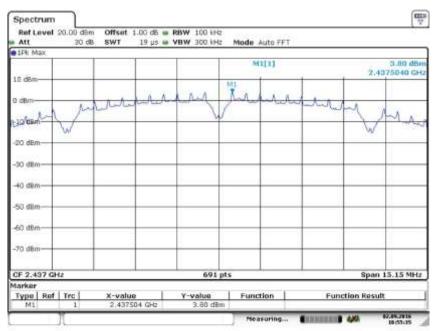


Date 2 SEP 2016 18:54:52

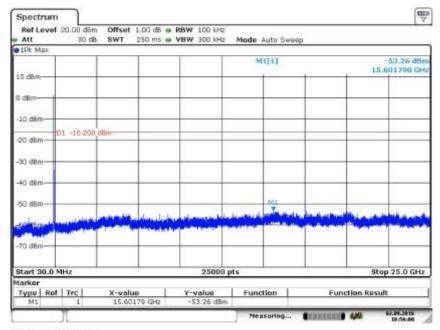
**TÜV**Rheinland®

Products

Page 27 of 41



Date: 2 SEP 2016: 18:55:35

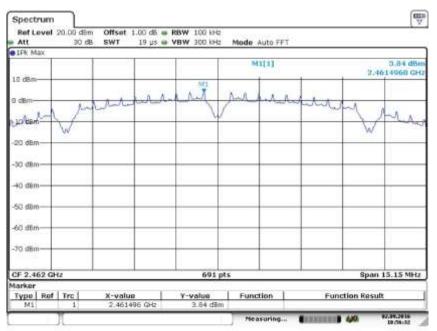


Date: 2.SEP.2016 18:56:00

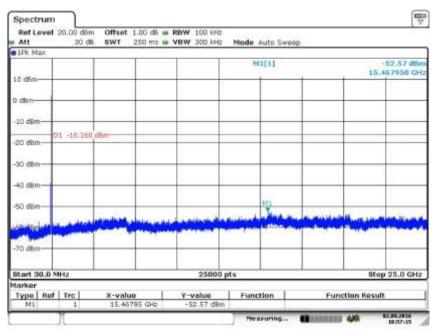


Products

Page 28 of 41



Date: 2 SEP 2016; 18:58:32



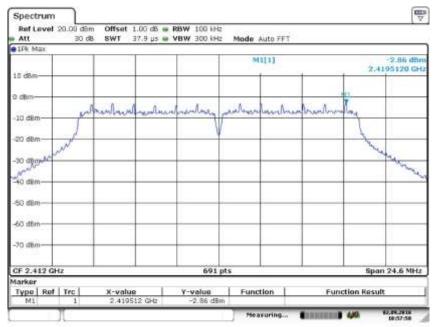
Date: 2 SEP 2016; 18:57:14



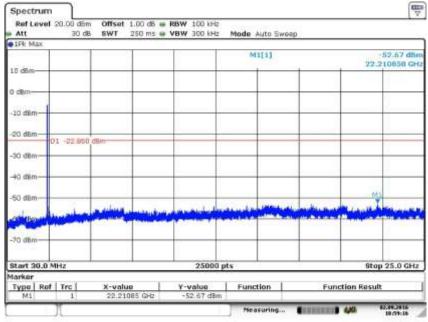
Produkte Products

Page 29 of 41

#### Wi-Fi 802.11 g mode, 6 Mbps



Date 2.8EP.2016 18:57:57

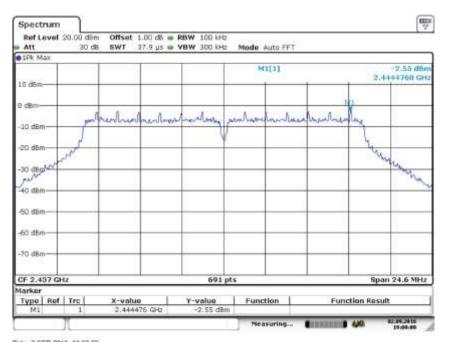


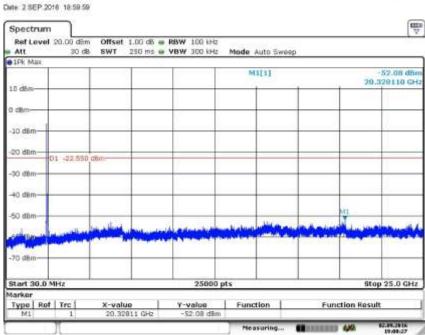
Date 2 SEP 2016 18:59:16

▲ TÜVRheinland®

Produkte Products

Page 30 of 41



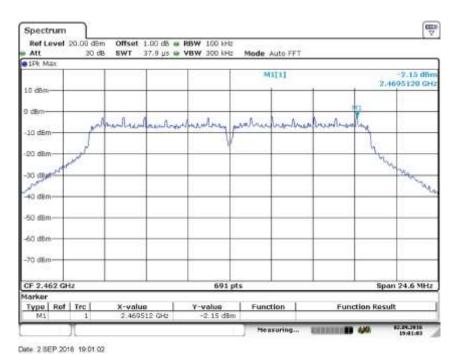


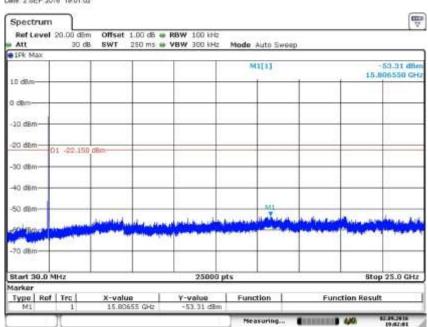
Date: 2.SEP.2016 19:00:27



Produkte Products

Page 31 of 41





Date: 2.SEP.2016 19:02:01

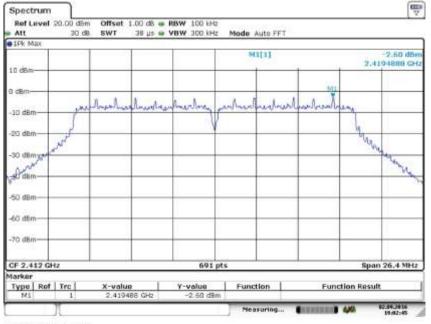
50057770 002



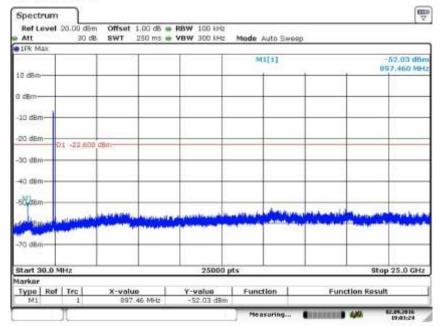
**Produkte Products** 

Page 32 of 41

#### Wi-Fi 802.11 n(HT20) mode, MCS0



Date: 2.SEP.2016 19:02:45

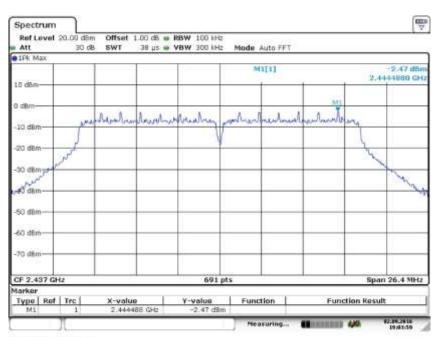


Date: 2 SEP 2016 19:03:23

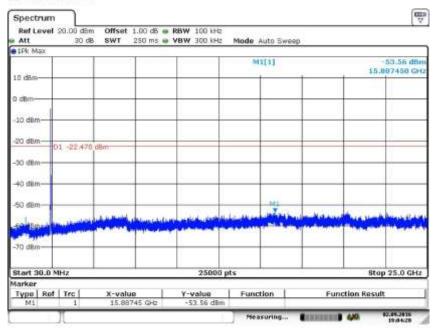


Produkte Products

Page 33 of 41



Date: 2.8EP.2016 19:03:59

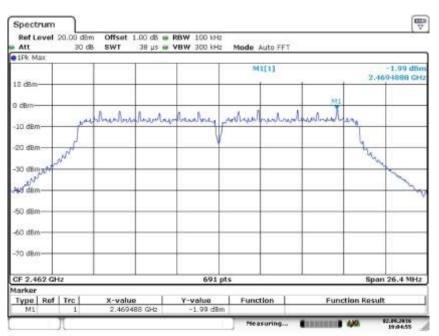


Date: 2.SEP.2016 19:04:21

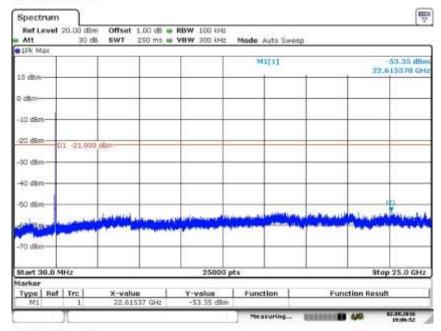


Produkte Products

Page 34 of 41



Date: 2.SEP.2016 19:04:55



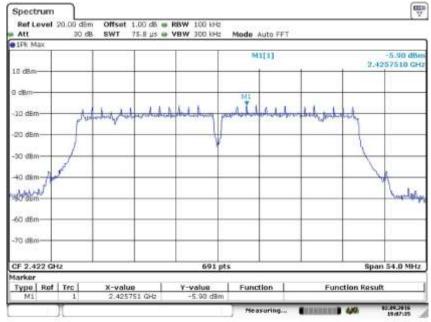
Date: 2 SEP 2016 19:06:53

Products

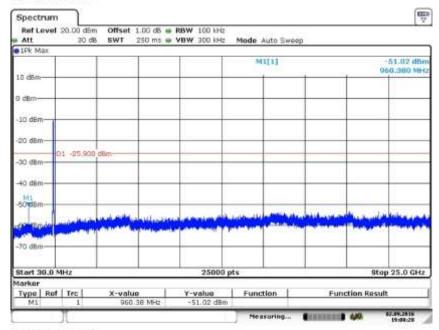
Page 35 of 41



#### Wi-Fi 802.11 n(HT40) mode, MCS0



Date 2.SEP.2016 19:07:35

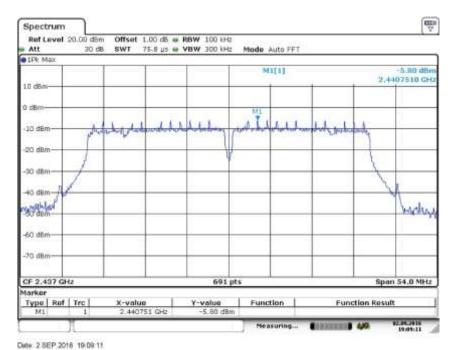


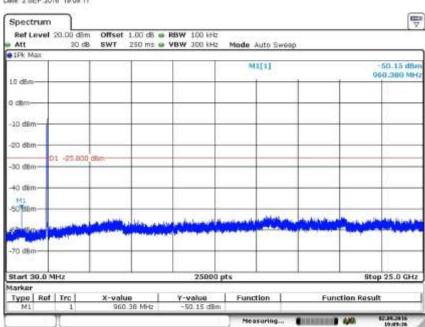
Date: 2 SEP 2016 19:06:27



Produkte Products

Page 36 of 41



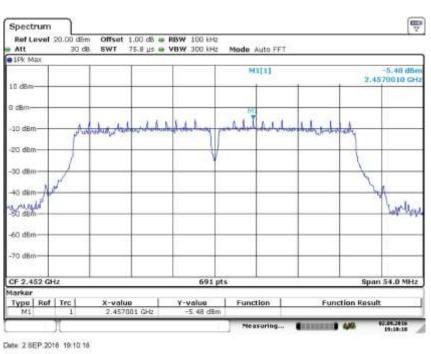


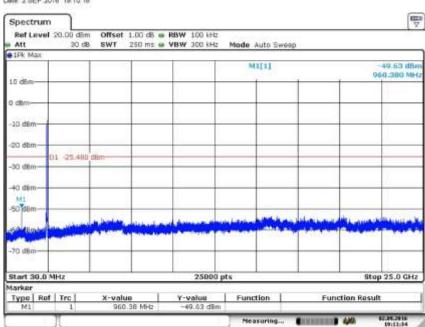
Date: 2.SEP.2016 19:09:35



Produkte Products

Page 37 of 41



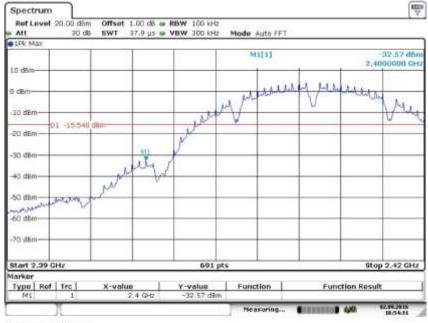


Date 2.SEP.2016 19:11:34

Page 38 of 41



#### Wi-Fi 802.11 b mode, Band Edge



Date 2.8EP.2016 18:54:31



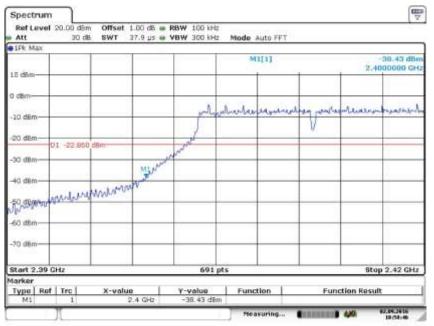
Date 2 SEP 2016 18:56:56

Page 39 of 41

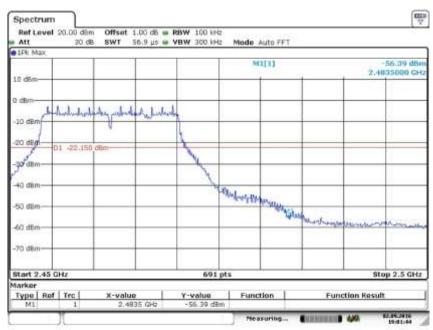


Products

#### Wi-Fi 802.11 g mode, Band Edge



Date: 2.SEP.2016 18:58:46



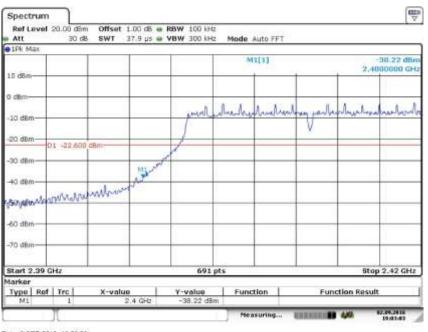
Date: 2 SEP 2018 19:01:44

50057770 002 Page 40 of 41

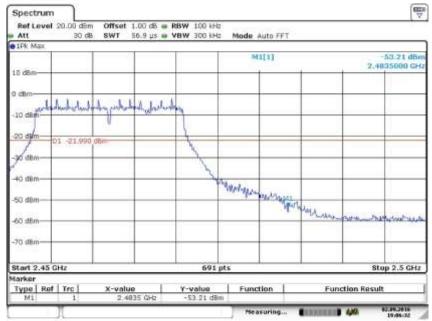


Produkte Products

#### Wi-Fi 802.11 n(HT20) mode, Band Edge



Date 2 SEP 2016 19:03:03

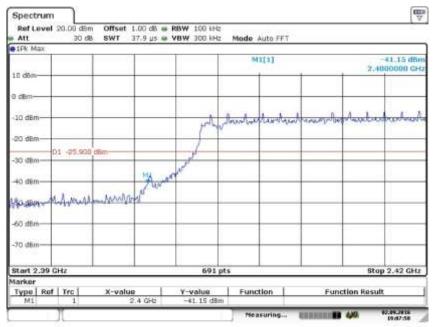


Date: 2.SEP.2016 19:06:32

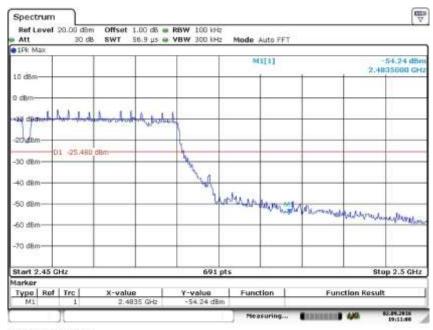
Page 41 of 41



#### Wi-Fi 802.11 n(HT40) mode, Band Edge



Date 2.SEP.2016 19:07:58



Date: 2.SEP.2016 19:11.08