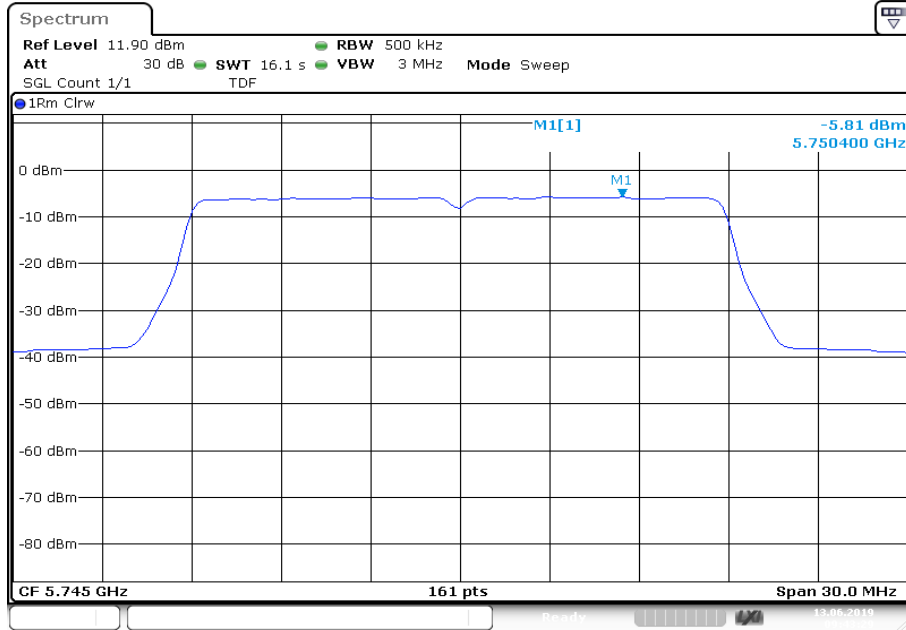
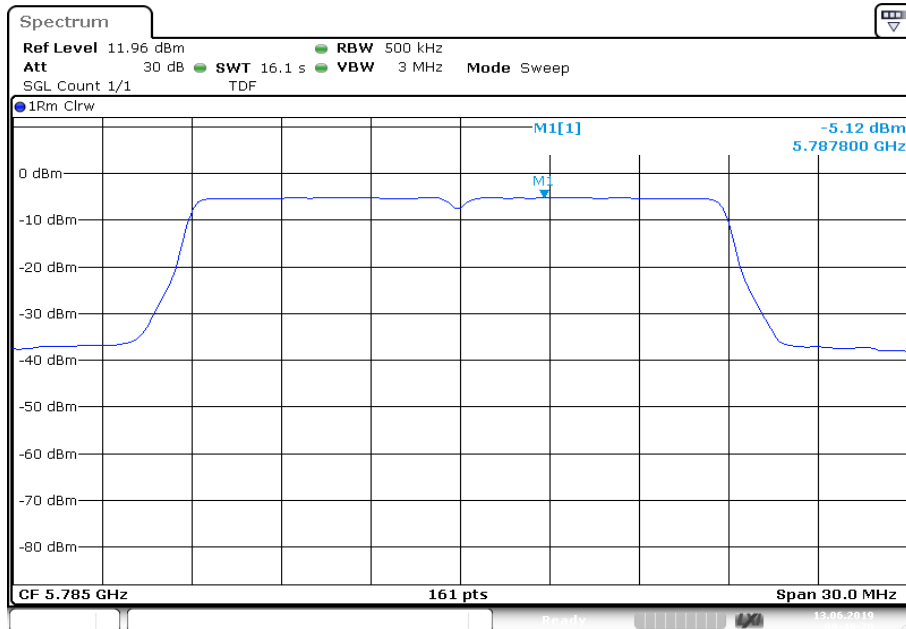


Plots: n HT20 – mode

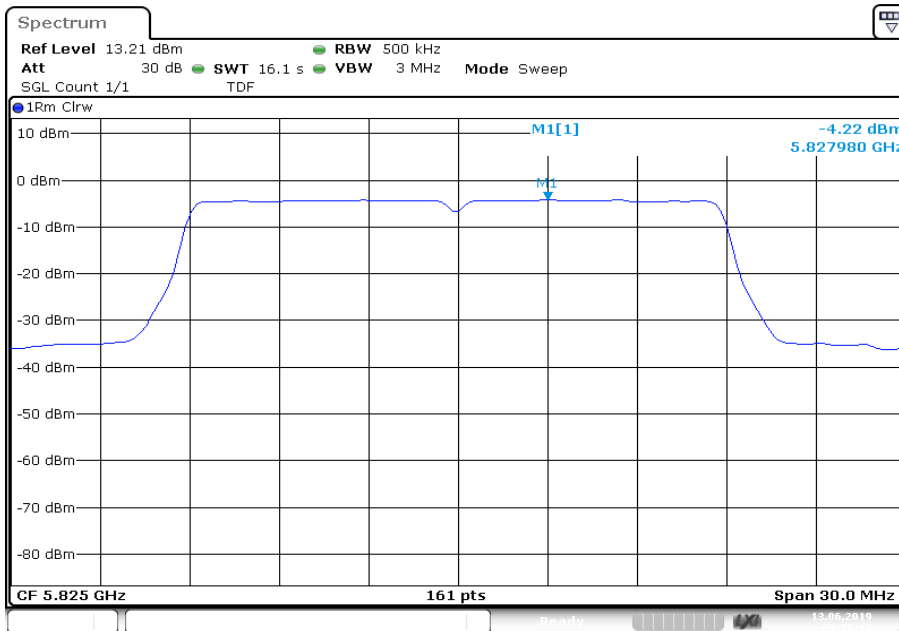
Plot 1: U-NII-3; lowest channel



Plot 2: U-NII-3; middle channel



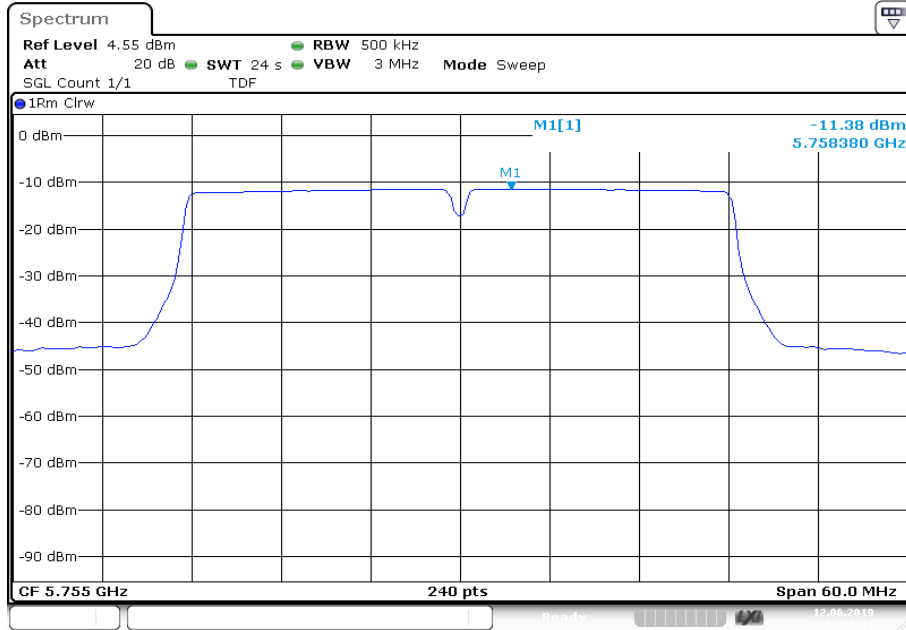
Plot 3: U-NII-3; highest channel



Date: 13.JUN.2019 09:55:13

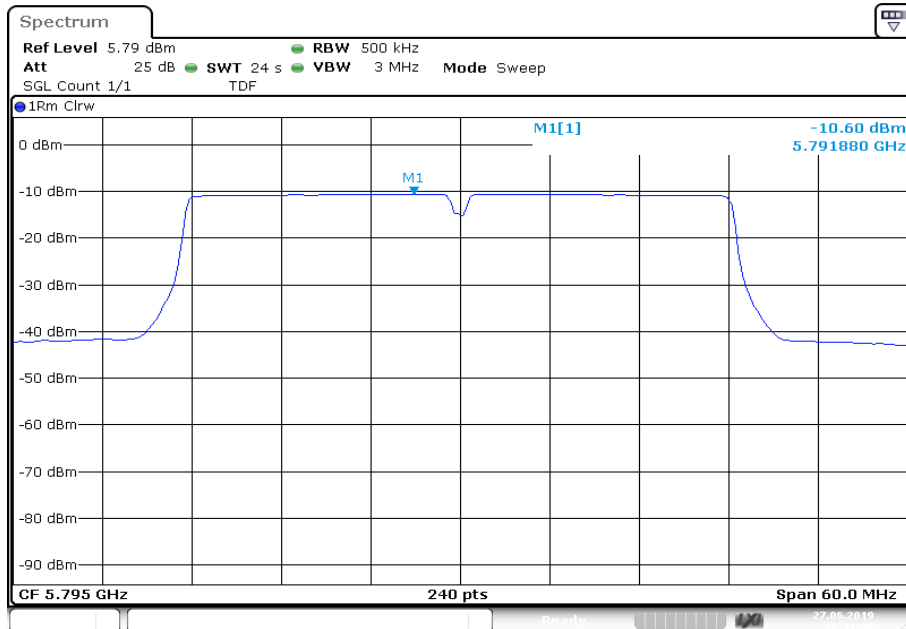
Plots: n HT40 – mode

Plot 1: U-NII-3; lowest channel



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Plot 2: U-NII-3; highest channel



Date: 27.JUN.2019 16:31:36

11.6 Minimum emission bandwidth for the band 5.725-5.85 GHz

Description:

Measurement of the 6 dB bandwidth of the modulated signal.

Measurement:

Measurement parameter	
According to: KDB789033 D02, C.2.	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	100 kHz
Video bandwidth:	300 kHz
Span:	40 MHz
Measurement procedure:	Using marker to find -6dBc frequencies
Trace mode:	Max hold (allow trace to stabilize)
Used test setup:	See chapter 6.4 – A
Measurement uncertainty:	See chapter 8

Limits:

FCC	IC
The minimum 6 dB bandwidth shall be at least 500 kHz.	

Results:

a	6 dB emission bandwidth (MHz)		
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel	Middle channel	Highest channel
	16.633	16.603	16.573

Results:

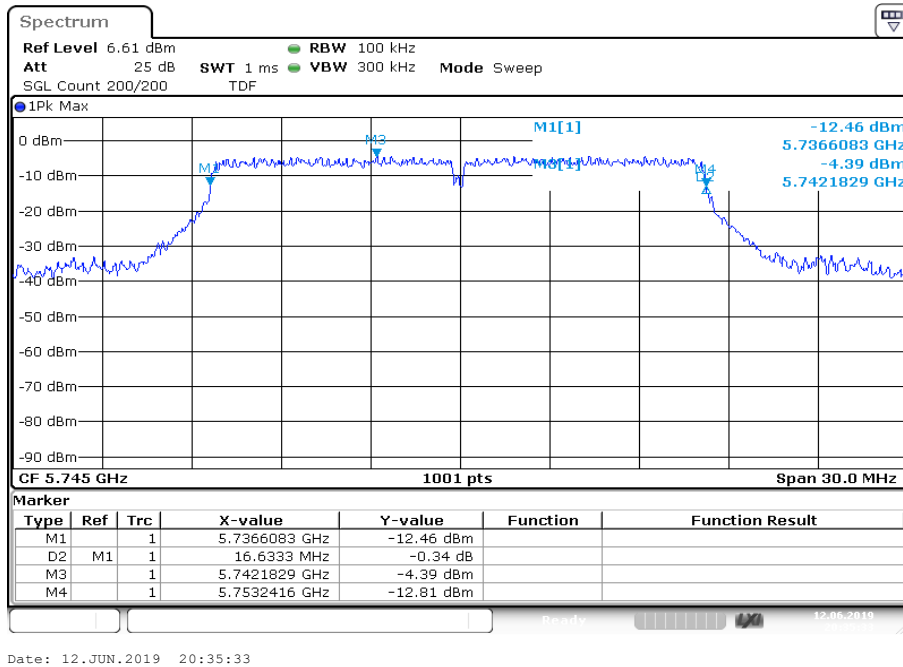
n HT20	6 dB emission bandwidth (MHz)		
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel	Middle channel	Highest channel
	17.862	17.832	17.862

Results:

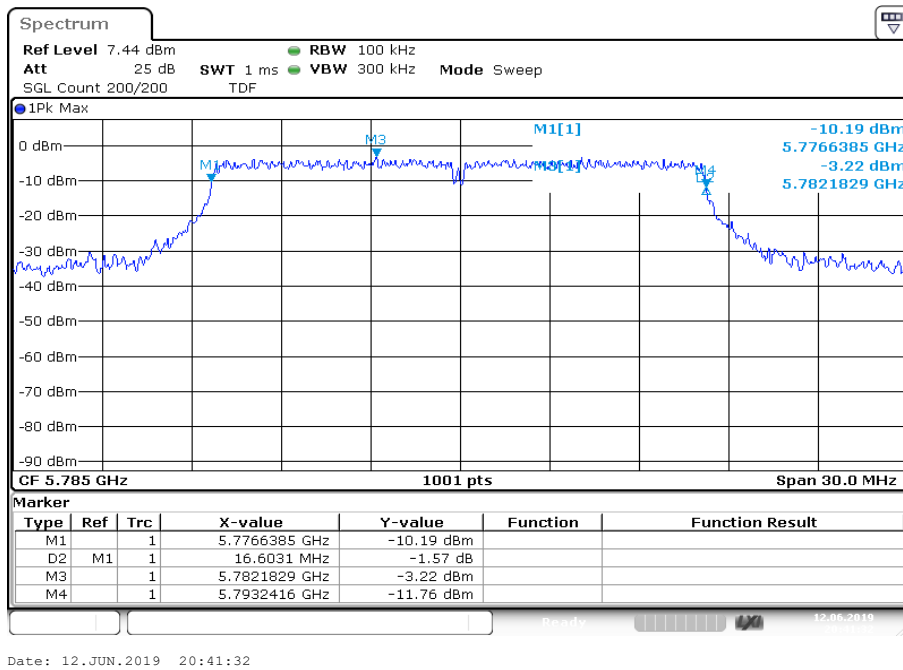
n HT40	6 dB emission bandwidth (MHz)	
	U-NII-3 (5725 MHz to 5850 MHz)	
	Lowest channel	Highest channel
	36.683	36.623

Plots: a – mode

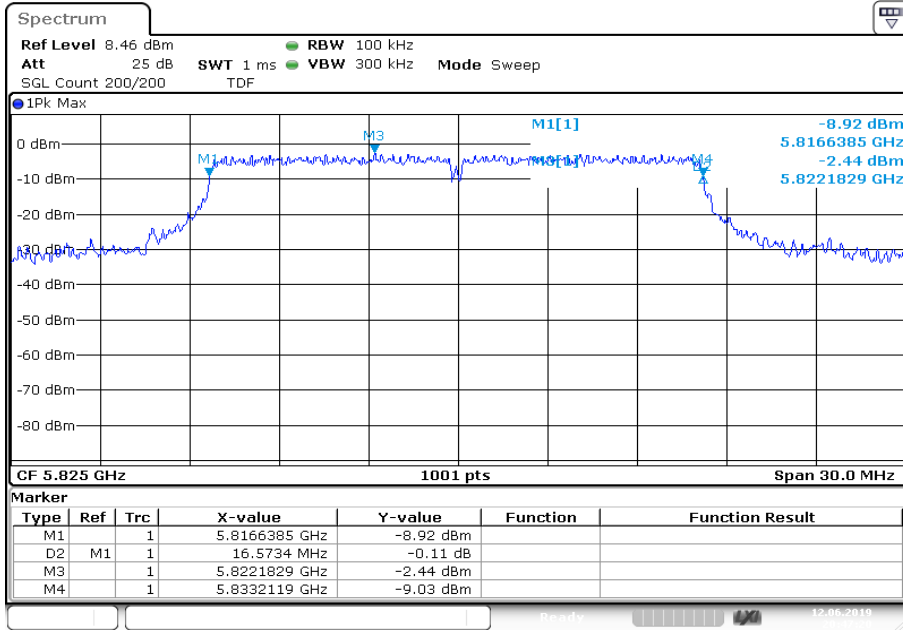
Plot 1: U-NII-3; lowest channel



Plot 2: U-NII-3; middle channel



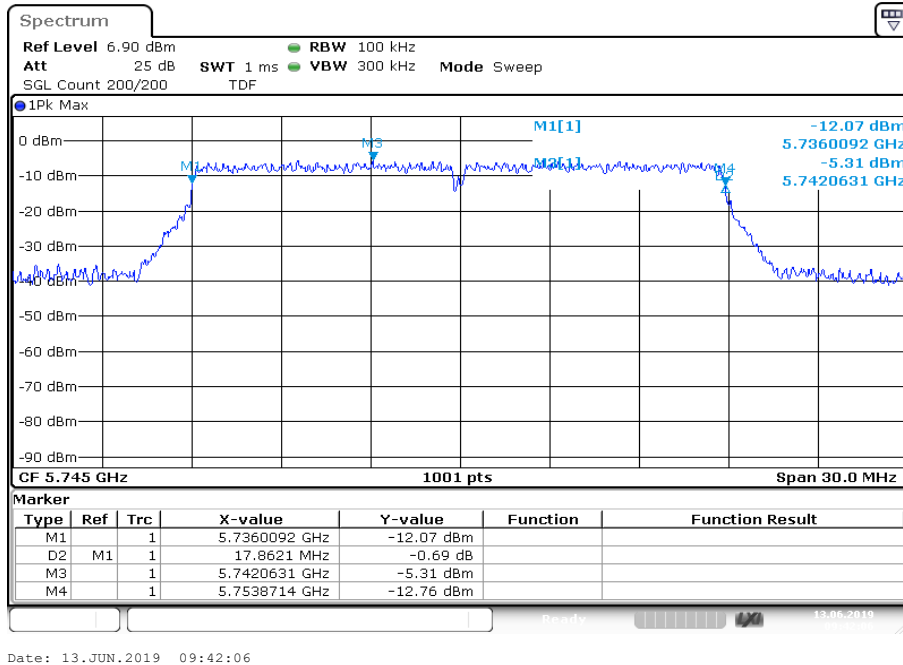
Plot 3: U-NII-3; highest channel



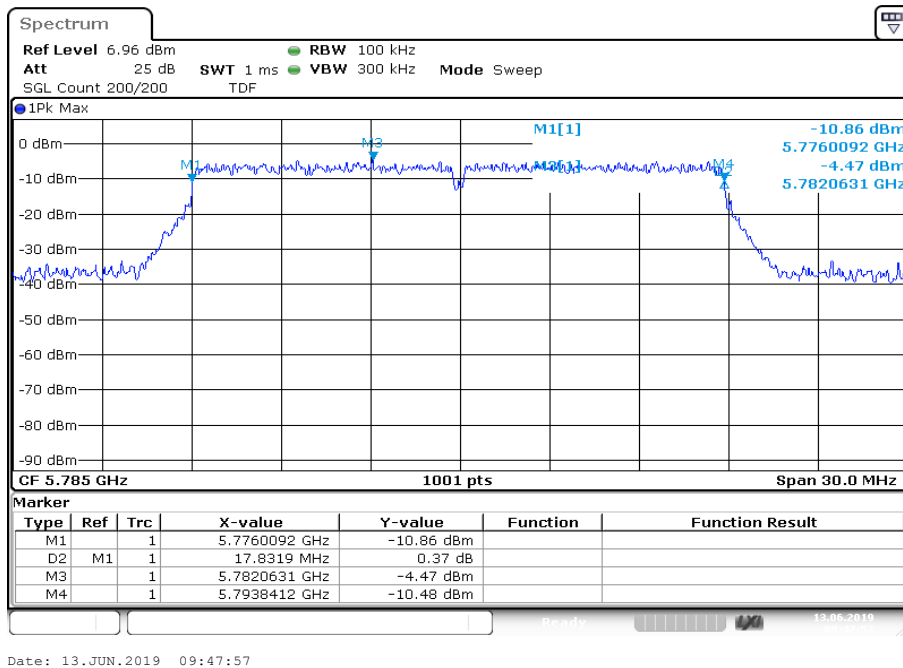
Date: 12.JUN.2019 20:47:20

Plots: n HT20 – mode

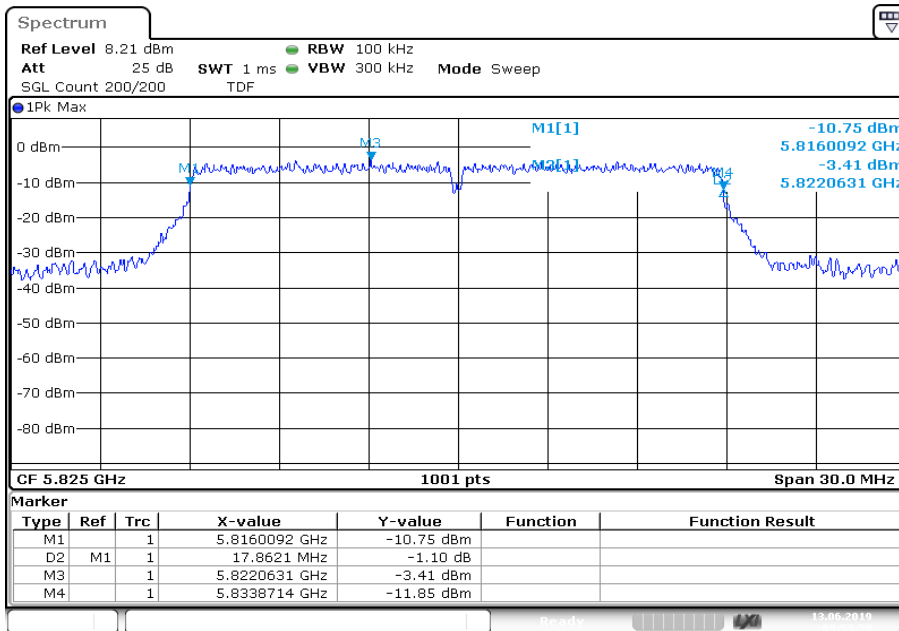
Plot 1: U-NII-3; lowest channel



Plot 2: U-NII-3; middle channel



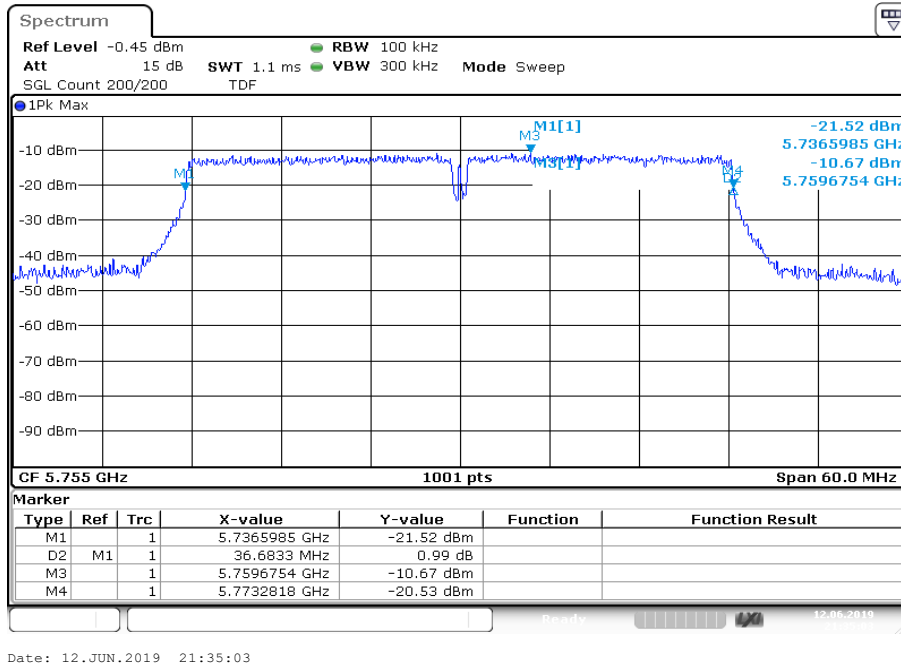
Plot 3: U-NII-3; highest channel



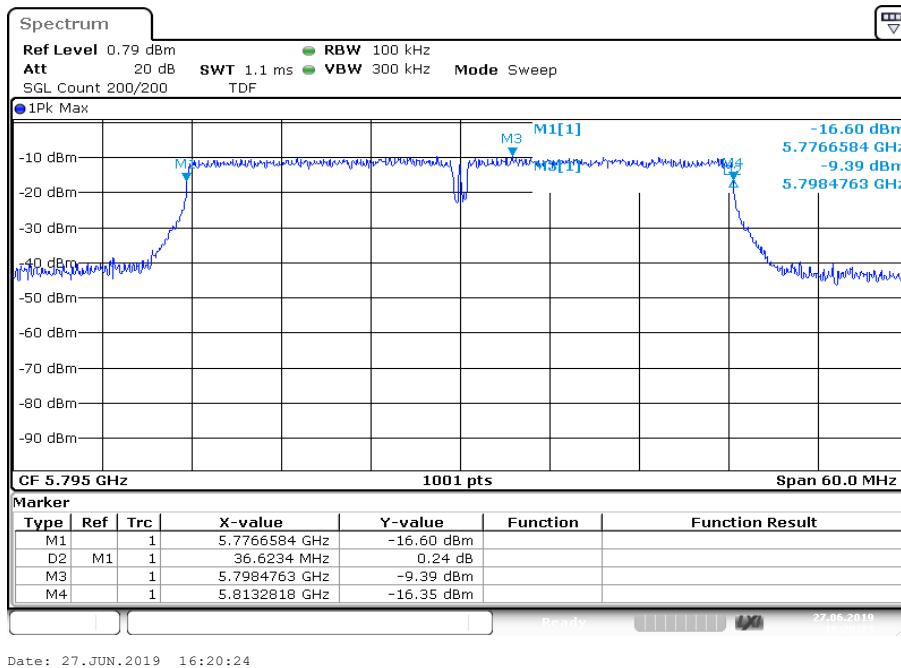
Date: 13.JUN.2019 09:53:50

Plots: n HT40 – mode

Plot 1: U-NII-3; lowest channel



Plot 2: U-NII-3; highest channel



11.7 Spectrum bandwidth / 26 dB bandwidth

Description:

Measurement of the 26 dB bandwidth of the modulated signal.

Measurement:

Measurement parameter	
According to: KDB789033 D02, C.1.	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	1% EBW
Video bandwidth:	≥ RBW
Span:	> Complete signal
Trace mode:	Max hold
Used test setup:	See chapter 6.4 – A
Measurement uncertainty:	see chapter 8

Limits:

Spectrum Bandwidth – 26 dB Bandwidth
<p>IC: Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.</p> <p>FCC: Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.</p>

Results:

a	26 dB bandwidth (MHz)		
	U-NII-1 (5150 MHz to 5250 MHz)		
	Lowest channel	Middle channel	Highest channel
	25.924	20.480	22.977
	Lowest frequency		Highest frequency
	5166.763		5252.637
	U-NII-2A (5250 MHz to 5350 MHz)		
	Lowest channel	Middle channel	Highest channel
	20.330	20.080	20.030
	U-NII-2C (5470 MHz to 5725 MHz)		
	Lowest channel	Middle channel	Highest channel
	20.180	20.080	20.130
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel	Middle channel	Highest channel
	19.980	25.275	28.721
	Lowest frequency		Highest frequency
5735.010		5838.736	

Results:

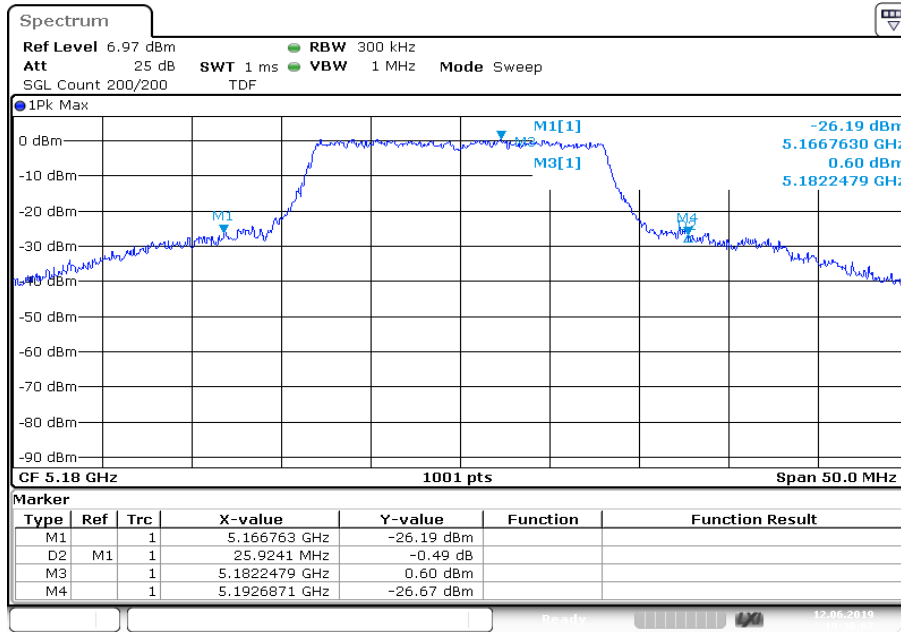
n HT20	26 dB bandwidth (MHz)		
	U-NII-1 (5150 MHz to 5250 MHz)		
	Lowest channel	Middle channel	Highest channel
	20.629	20.630	20.679
	Lowest frequency		Highest frequency
	5169.561		5250.290
	U-NII-2A (5250 MHz to 5350 MHz)		
	Lowest channel	Middle channel	Highest channel
	20.630	20.530	20.480
	U-NII-2C (5470 MHz to 5725 MHz)		
	Lowest channel	Middle channel	Highest channel
	20.629	20.480	20.629
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel	Middle channel	Highest channel
	20.729	20.729	20.780
	Lowest frequency		Highest frequency
5734.560		5835.240	

Results:

n HT40	26 dB bandwidth (MHz)		
	U-NII-1 (5150 MHz to 5250 MHz)		
	Lowest channel		Highest channel
	41.658		41.459
	Lowest frequency		Highest frequency
	5169.021		5250580
	U-NII-2A (5250 MHz to 5350 MHz)		
	Lowest channel		Highest channel
	41.259		41.559
	U-NII-2C (5470 MHz to 5725 MHz)		
	Lowest channel	Middle channel	Highest channel
	41.159	41.359	41.359
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel		Highest channel
	41.359		41.559
	Lowest frequency		Highest frequency
5734.421		5815.580	

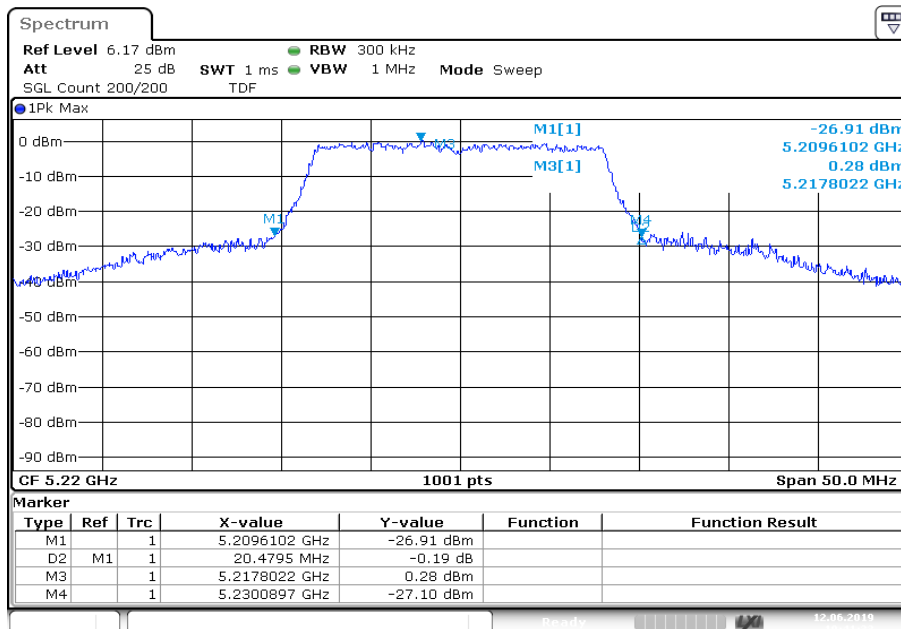
Plots: a – mode

Plot 1: U-NII-1; lowest channel



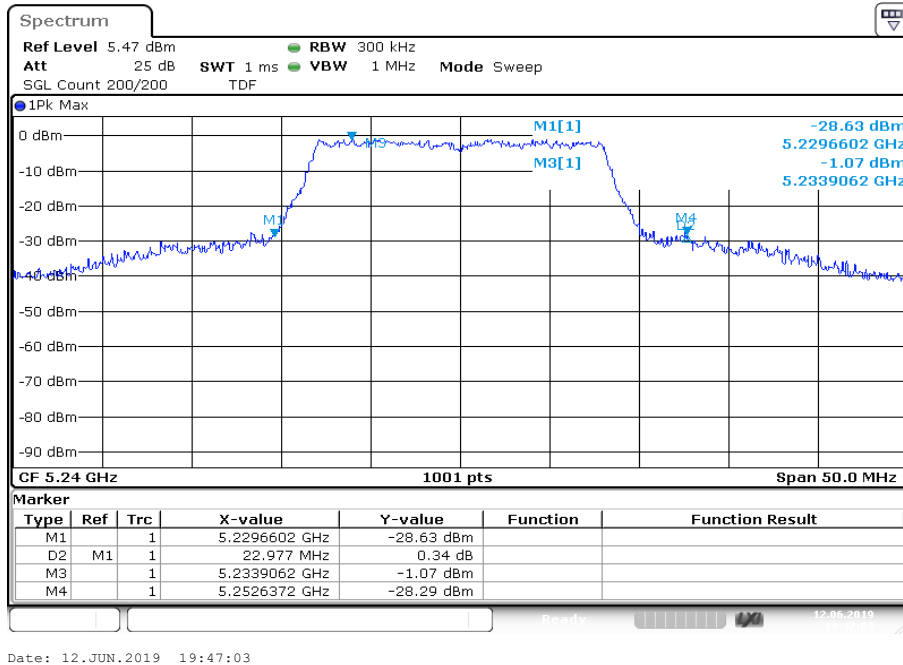
Date: 12.JUN.2019 19:36:07

Plot 2: U-NII-1; middle channel

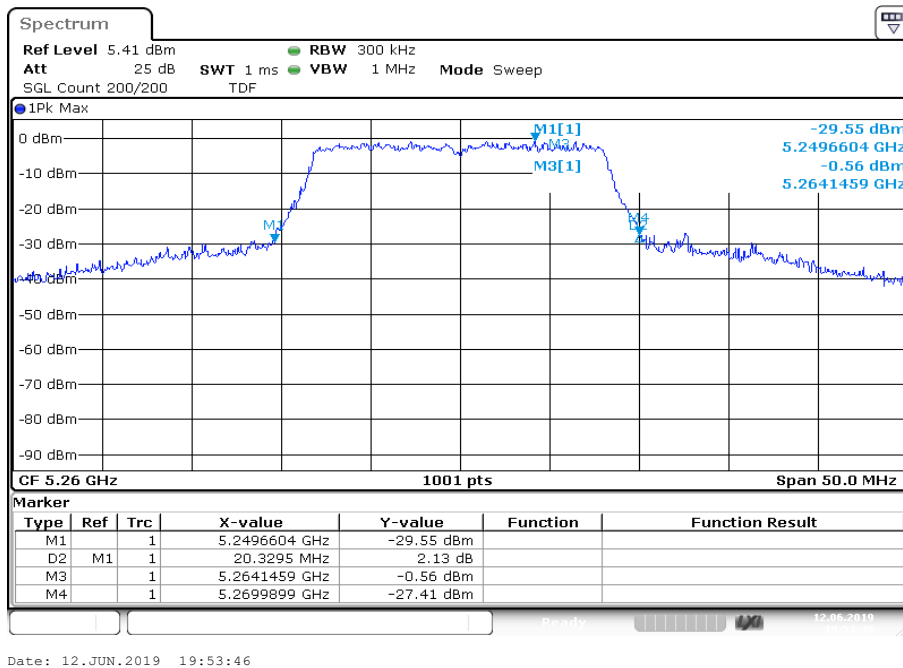


Date: 12.JUN.2019 19:41:33

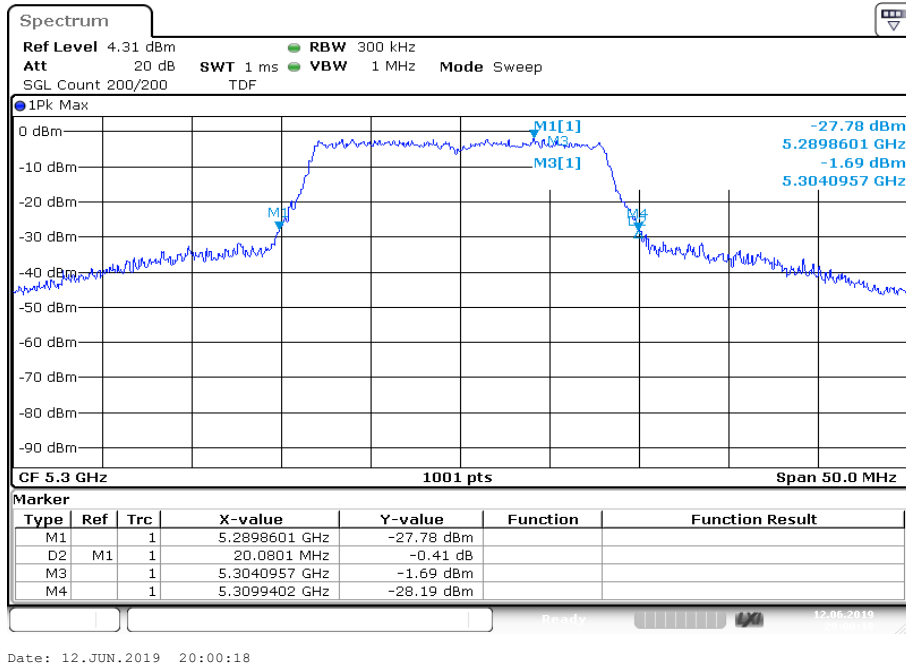
Plot 3: U-NII-1; highest channel



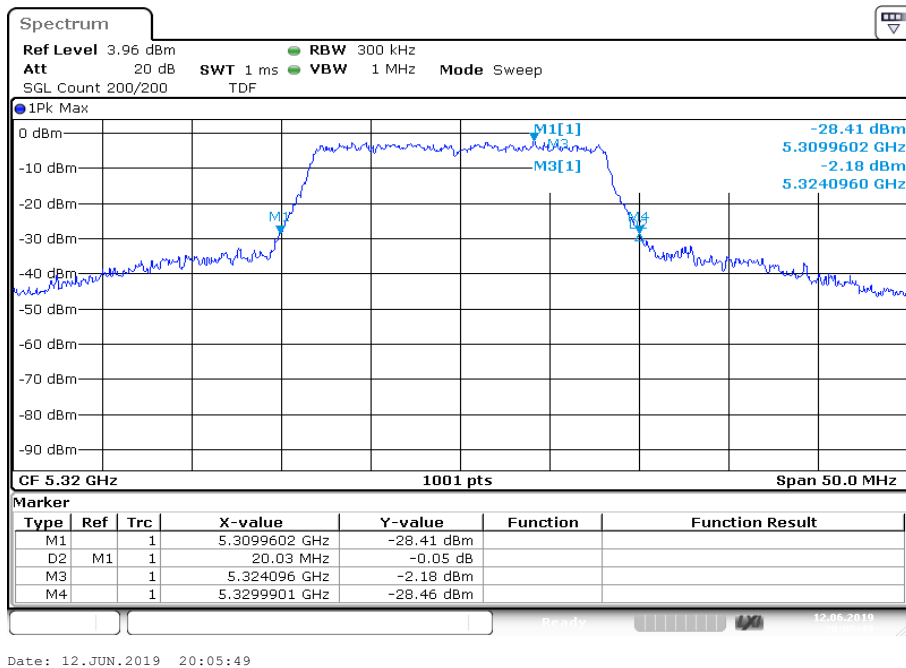
Plot 4: U-NII-2A; lowest channel



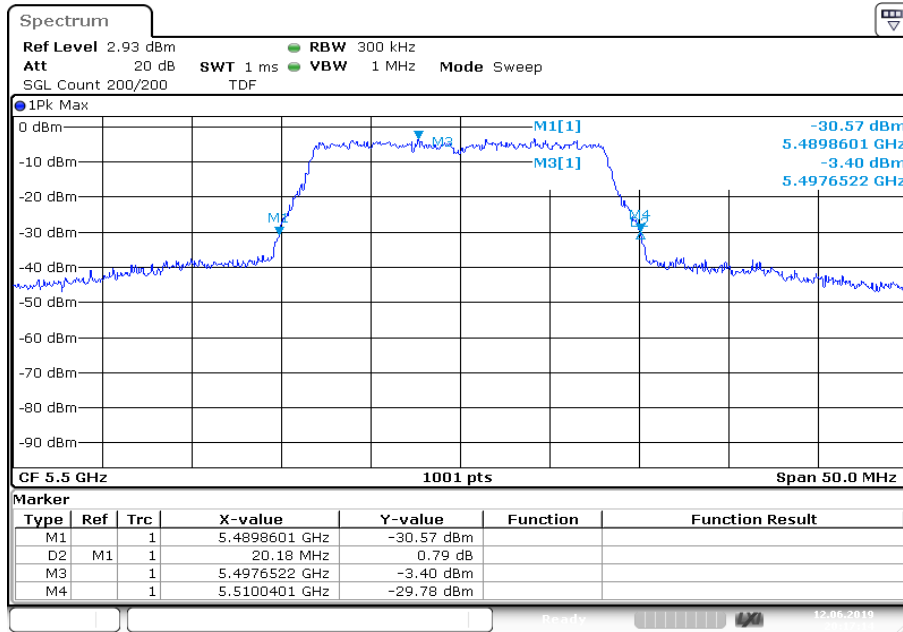
Plot 5: U-NII-2A; middle channel



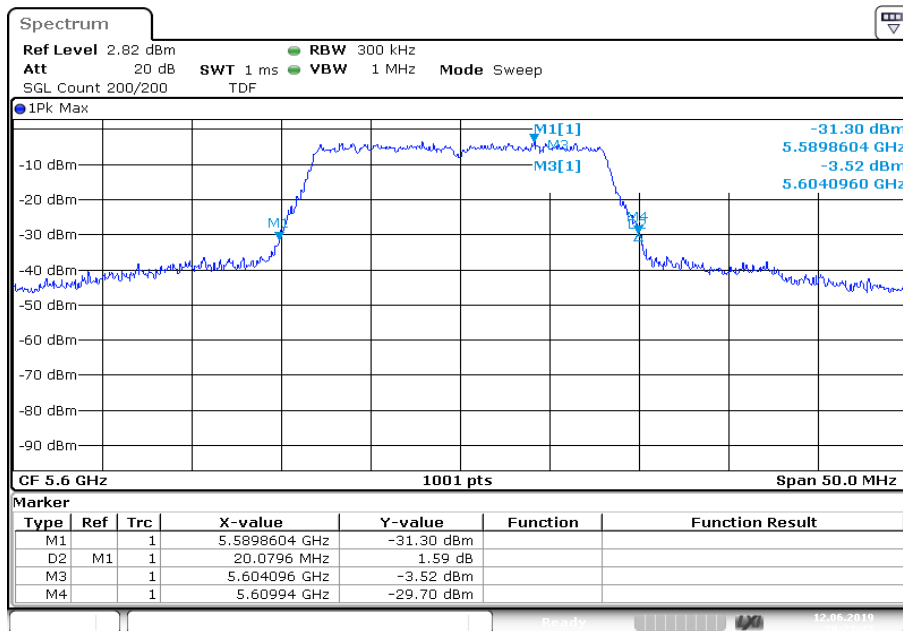
Plot 6: U-NII-2A; highest channel



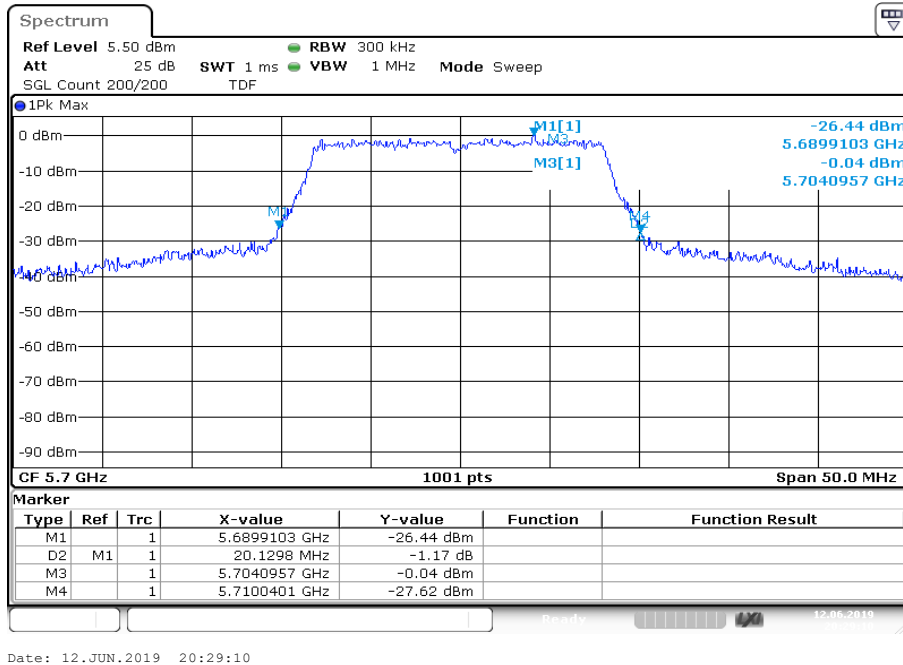
Plot 7: U-NII-2C; lowest channel



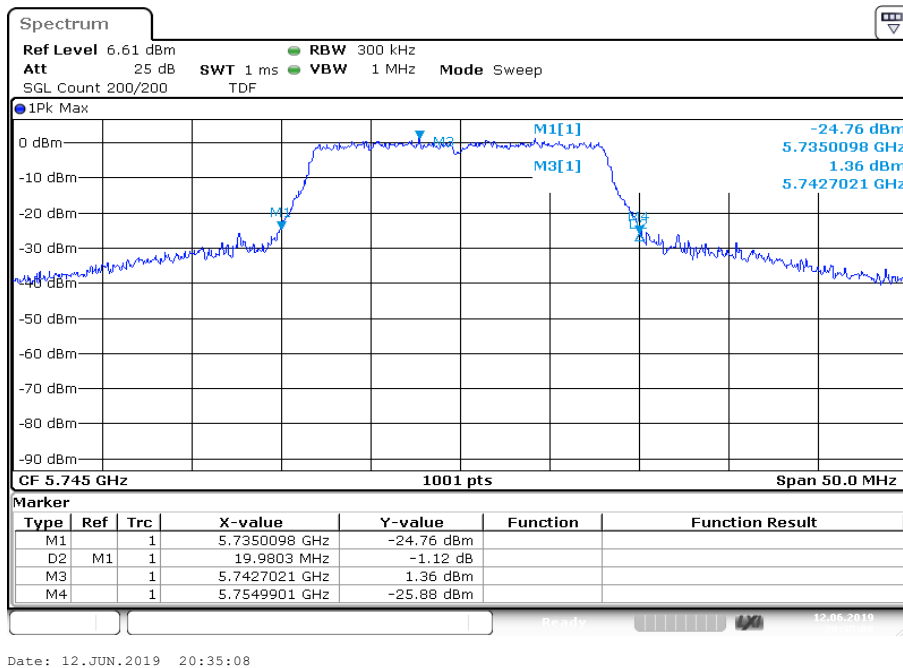
Plot 8: U-NII-2C; middle channel



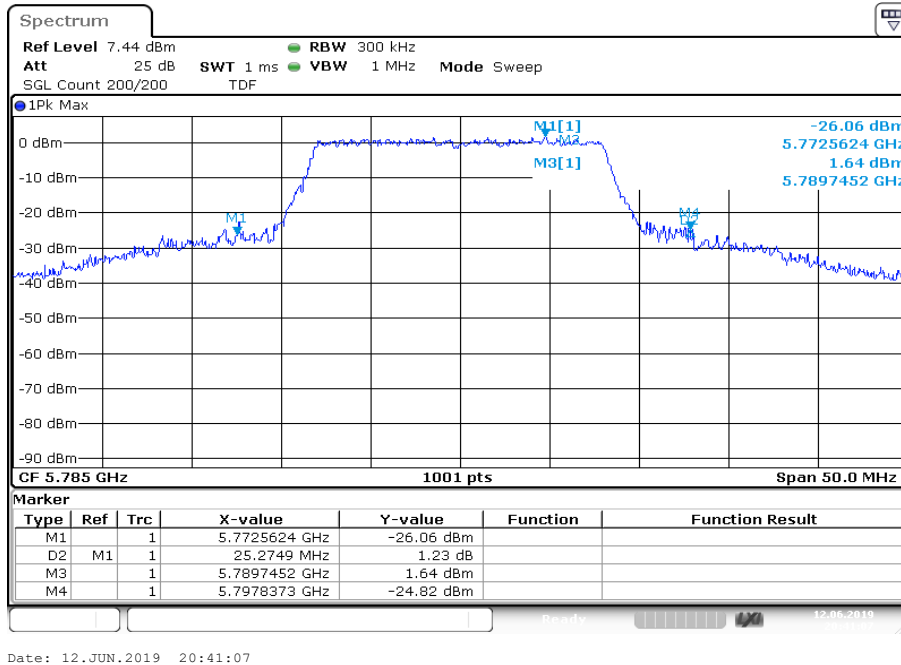
Plot 9: U-NII-2C; highest channel



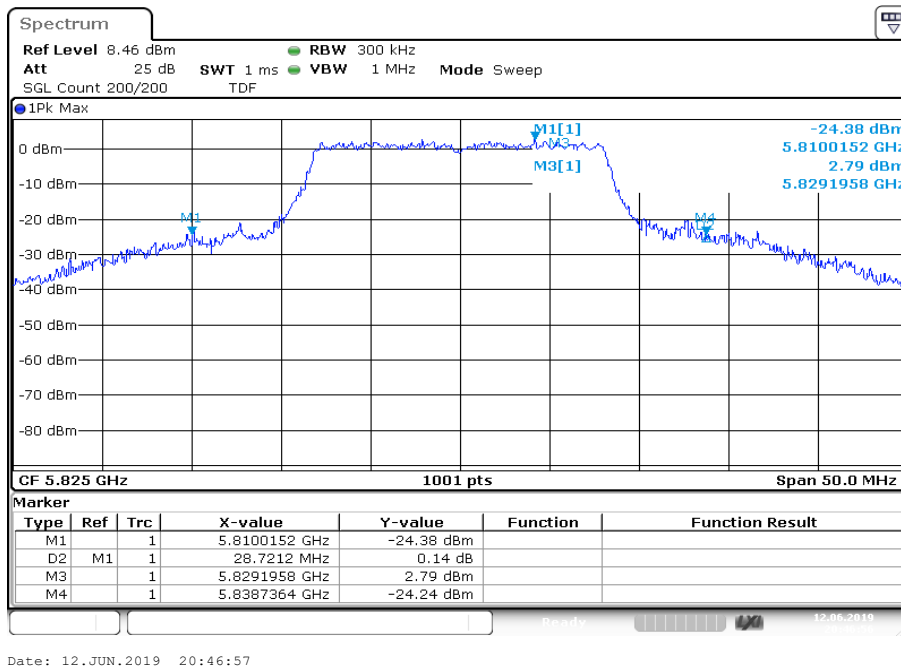
Plot 10: U-NII-3; lowest channel



Plot 11: U-NII-3; middle channel

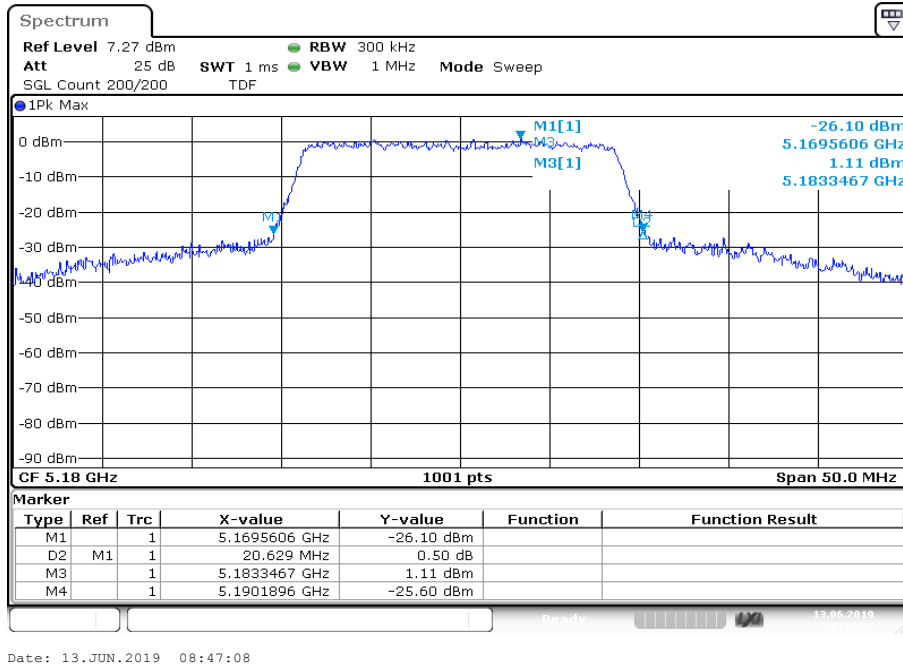


Plot 12: U-NII-3; highest channel

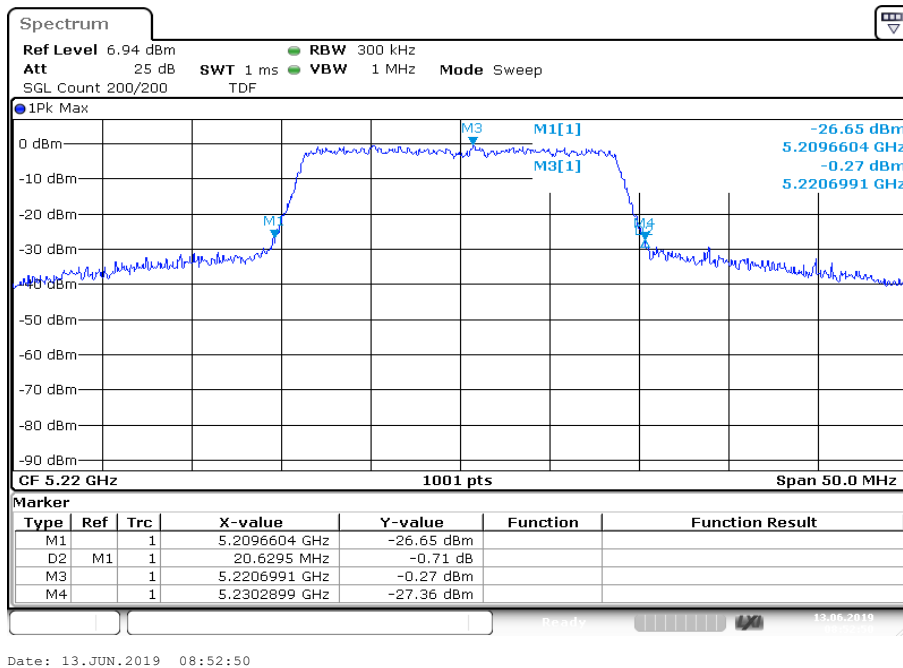


Plots: n HT20 – mode

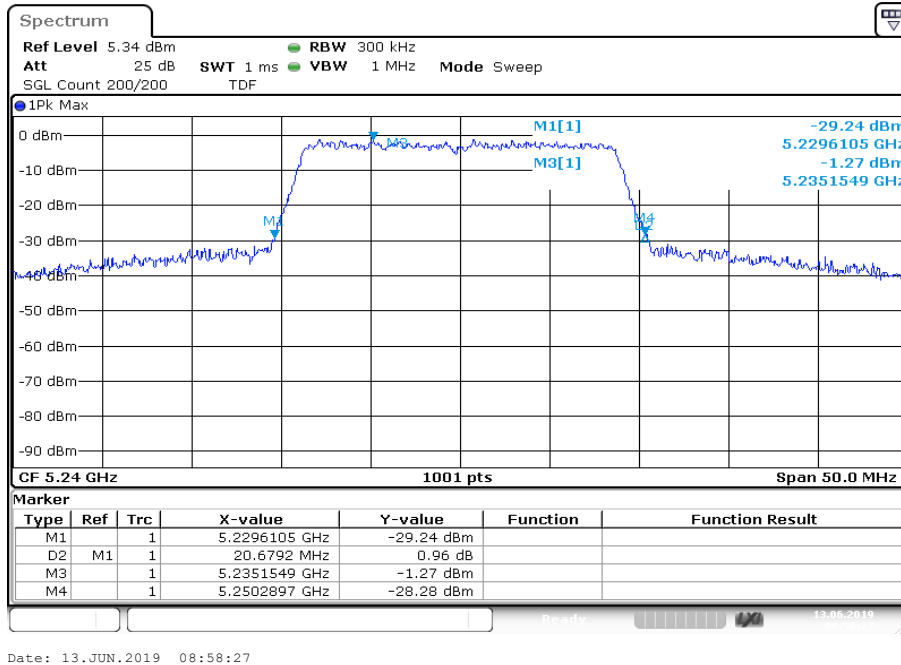
Plot 1: U-NII-1; lowest channel



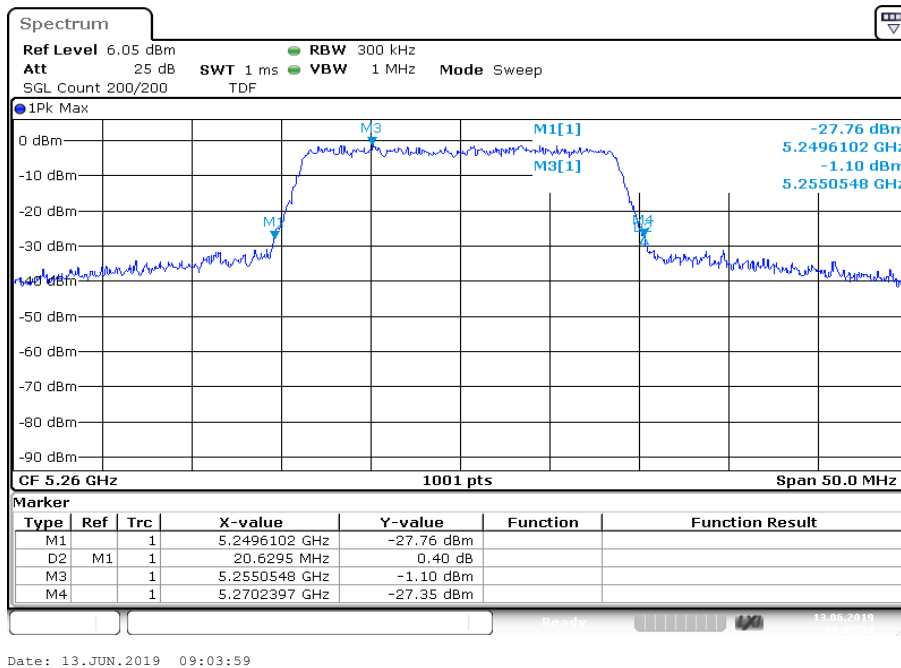
Plot 2: U-NII-1; middle channel



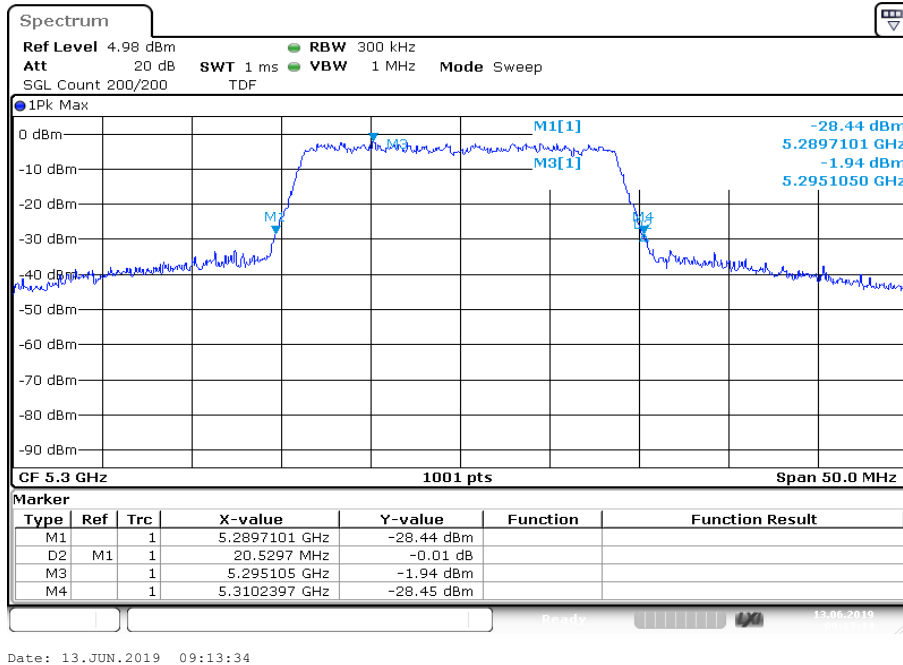
Plot 3: U-NII-1; highest channel



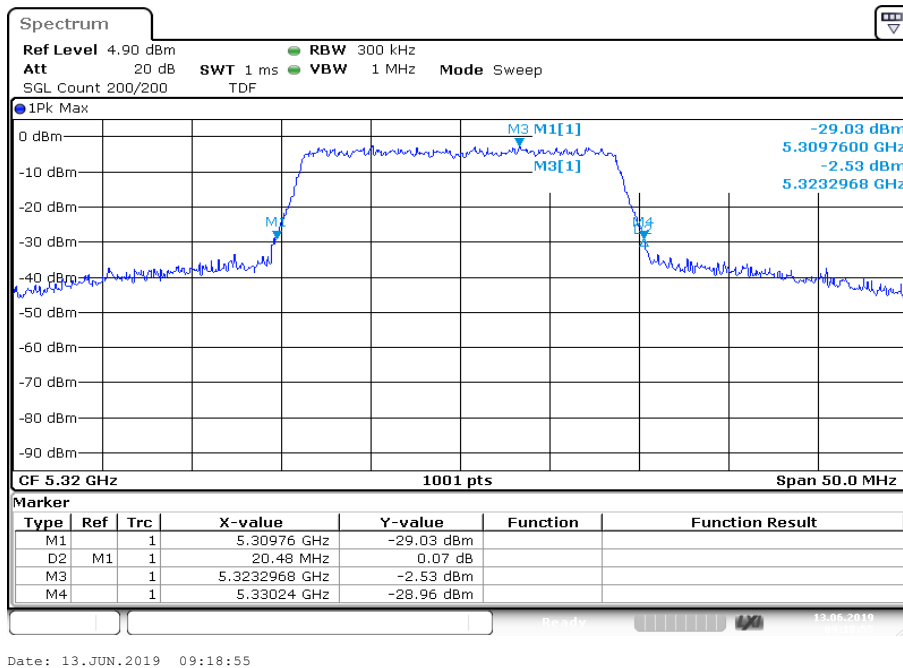
Plot 4: U-NII-2A; lowest channel



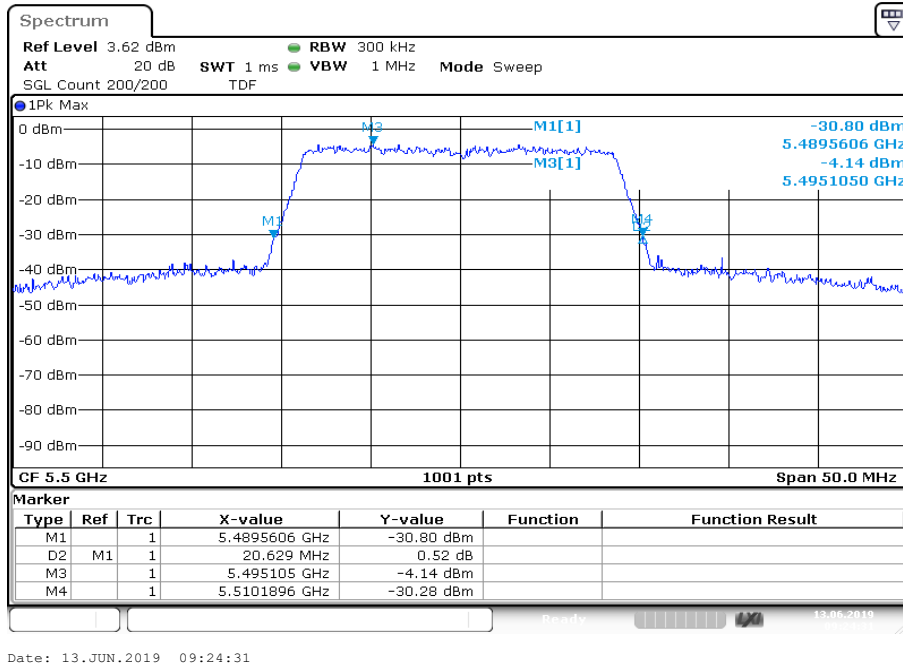
Plot 5: U-NII-2A; middle channel



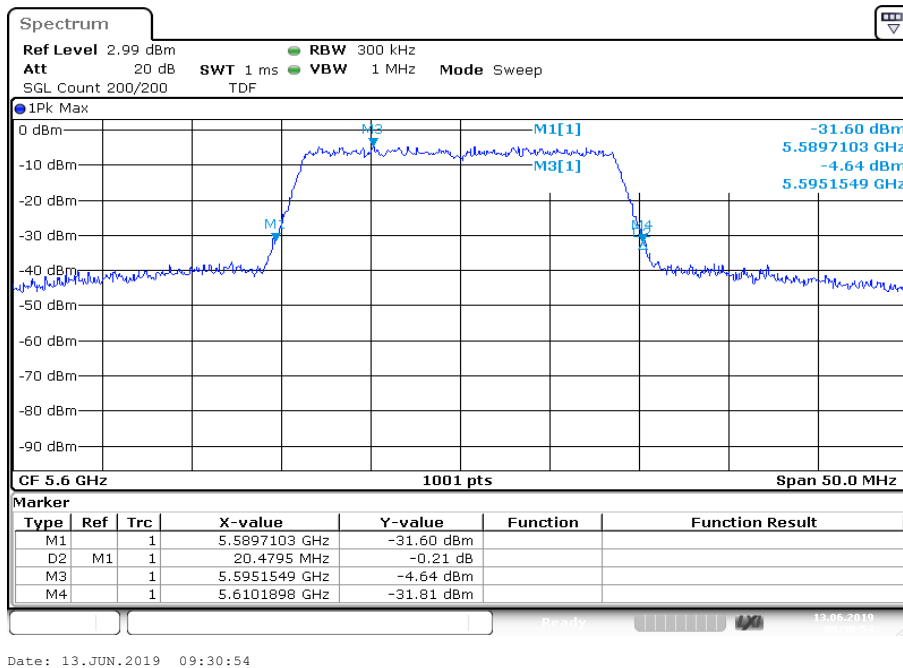
Plot 6: U-NII-2A; highest channel



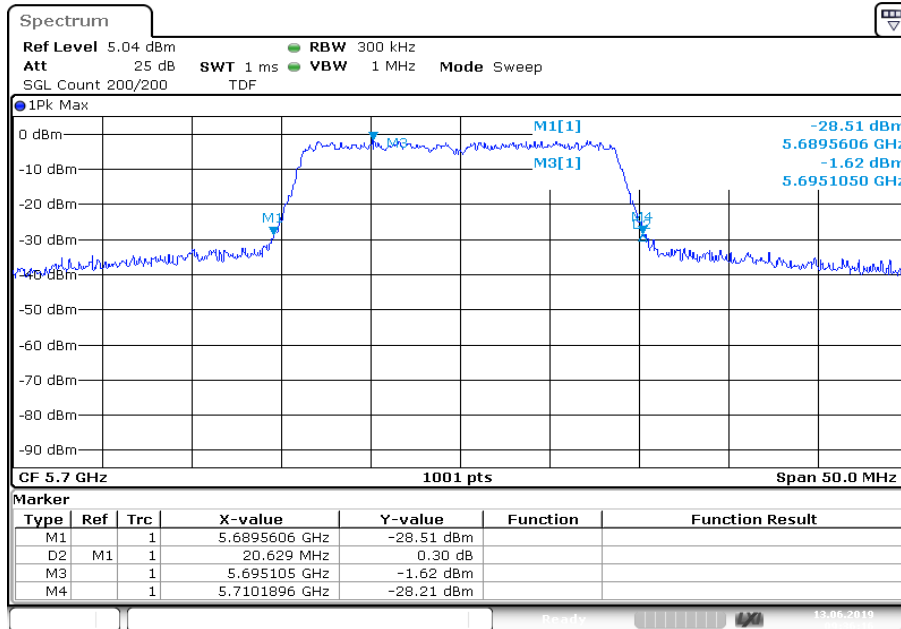
Plot 7: U-NII-2C; lowest channel



Plot 8: U-NII-2C; middle channel

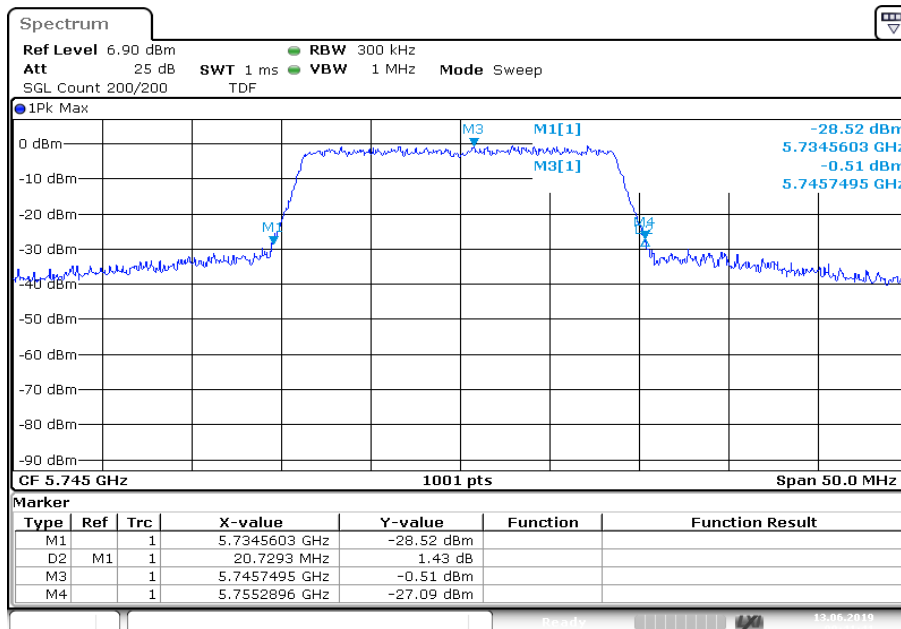


Plot 9: U-NII-2C; highest channel



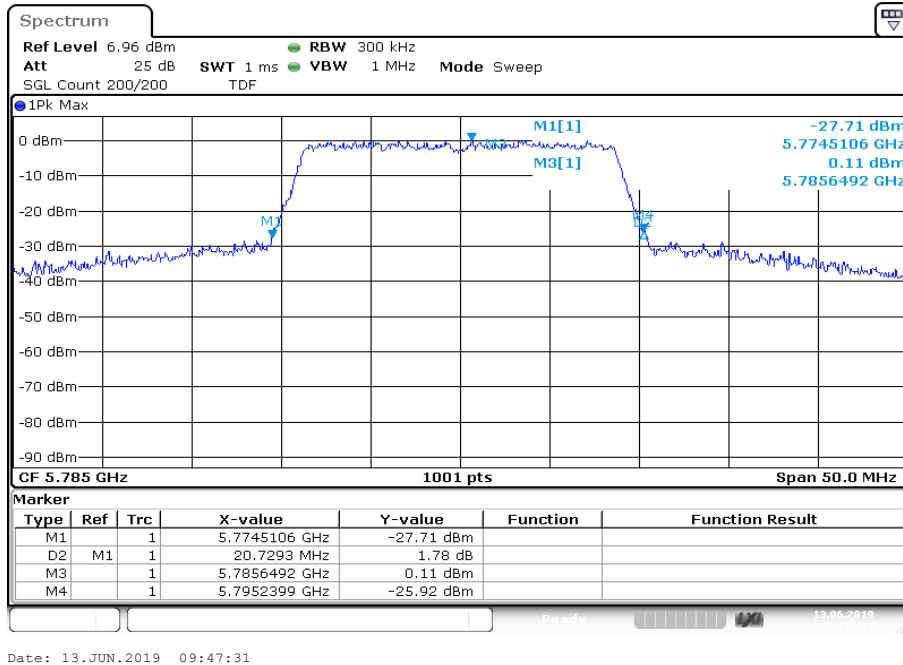
Date: 13.JUN.2019 09:36:16

Plot 10: U-NII-3; lowest channel

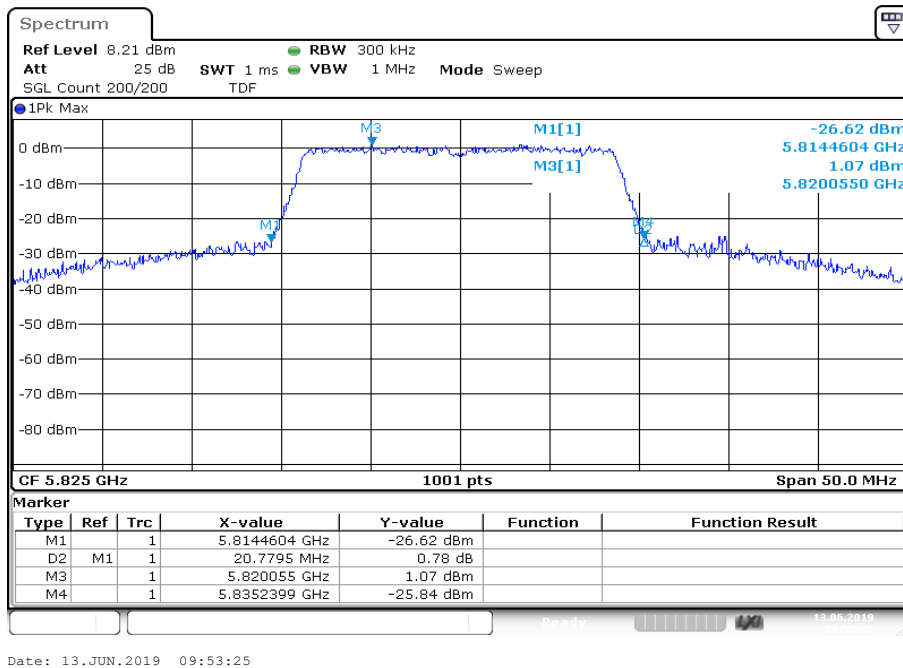


Date: 13.JUN.2019 09:41:41

Plot 11: U-NII-3; middle channel

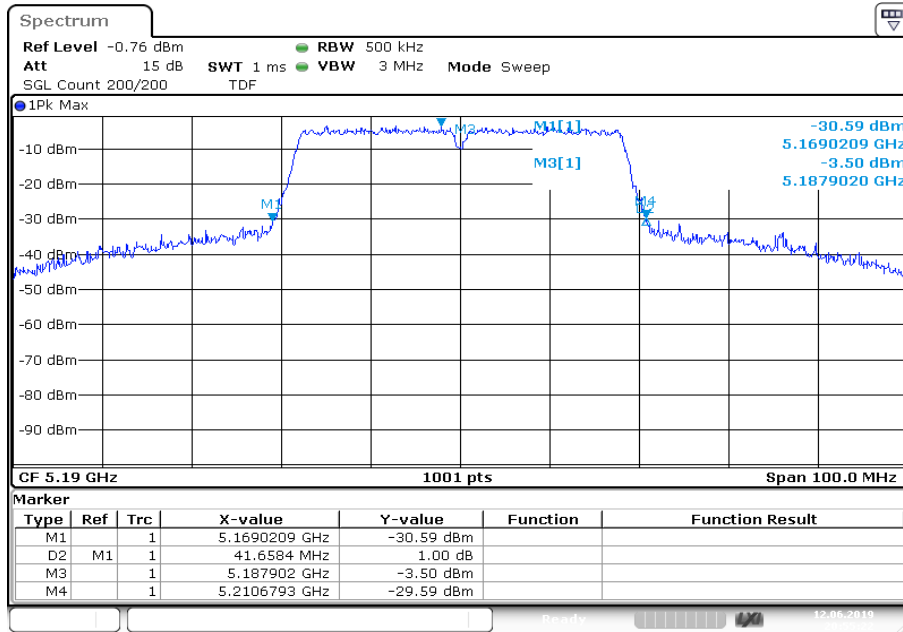


Plot 12: U-NII-3; highest channel

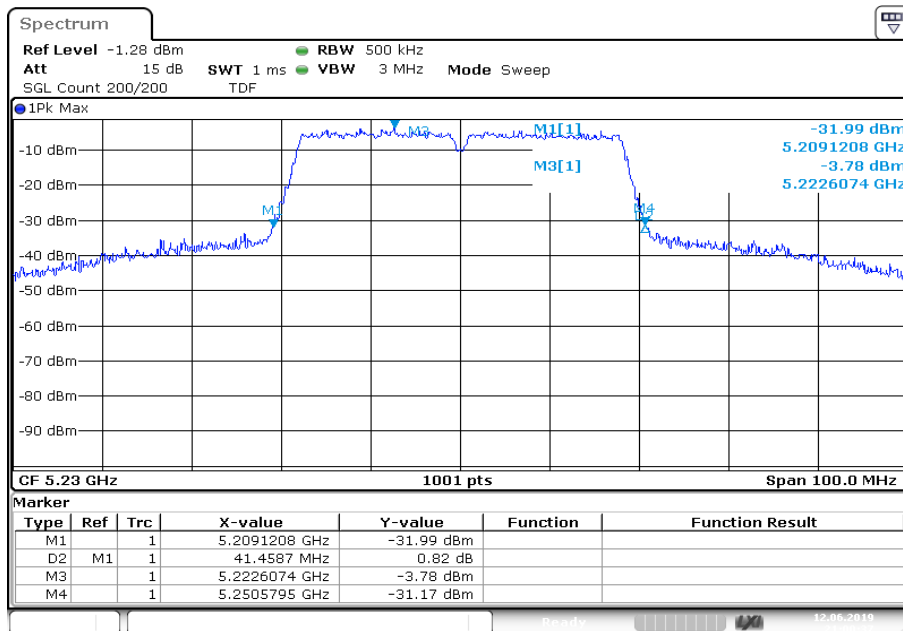


Plots: n HT40 – mode

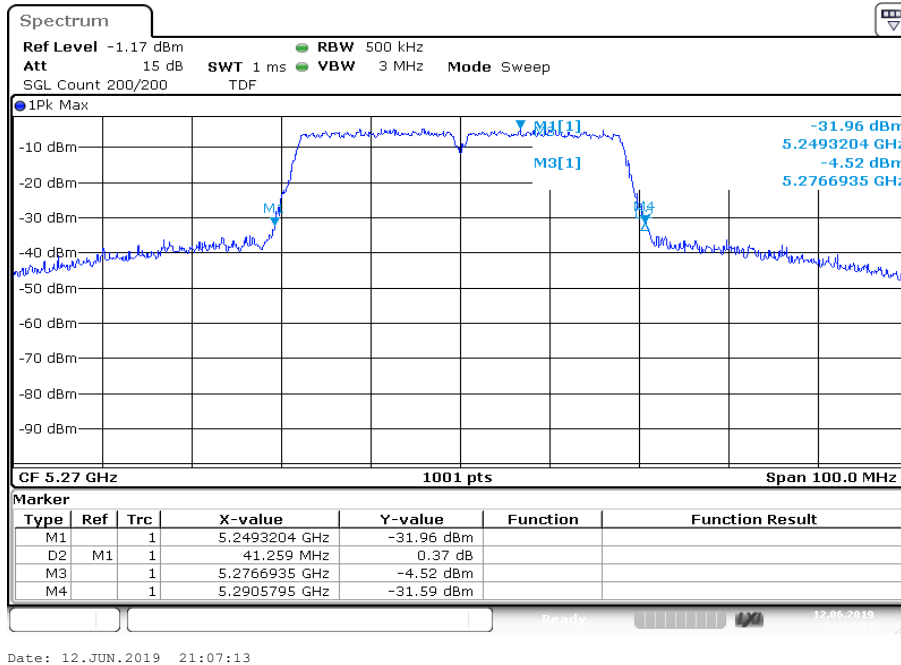
Plot 1: U-NII-1; lowest channel



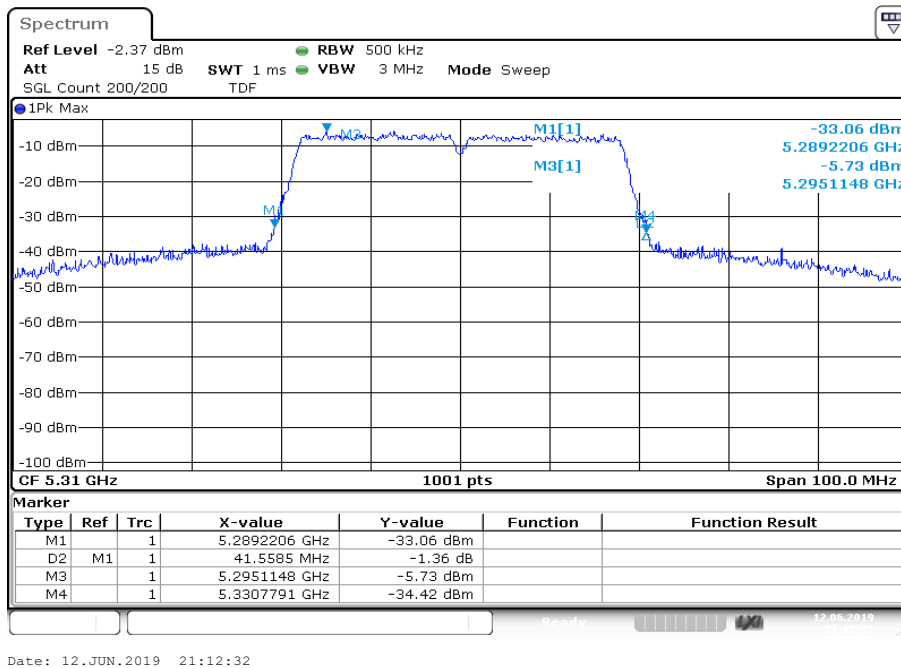
Plot 2: U-NII-1; highest channel



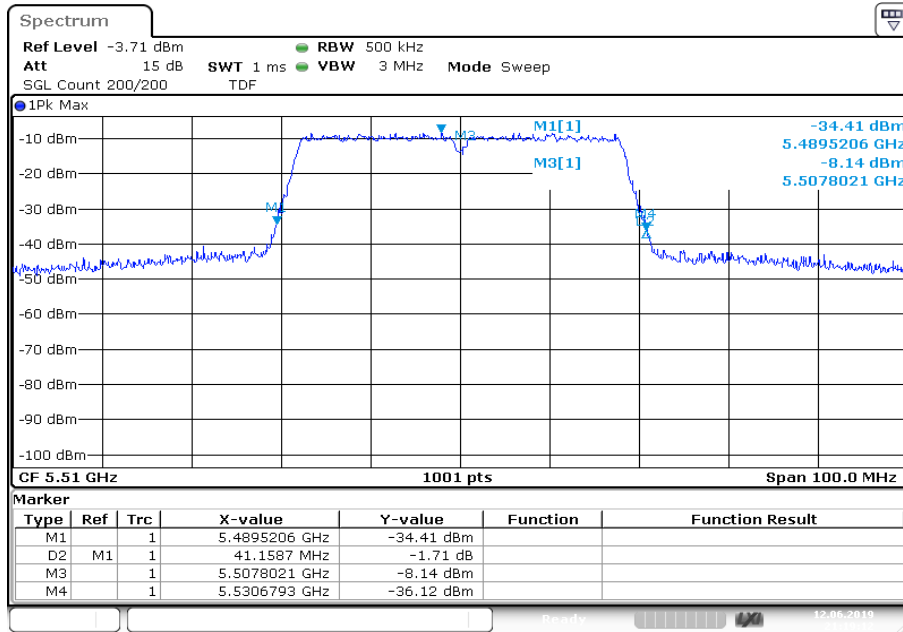
Plot 3: U-NII-2A; lowest channel



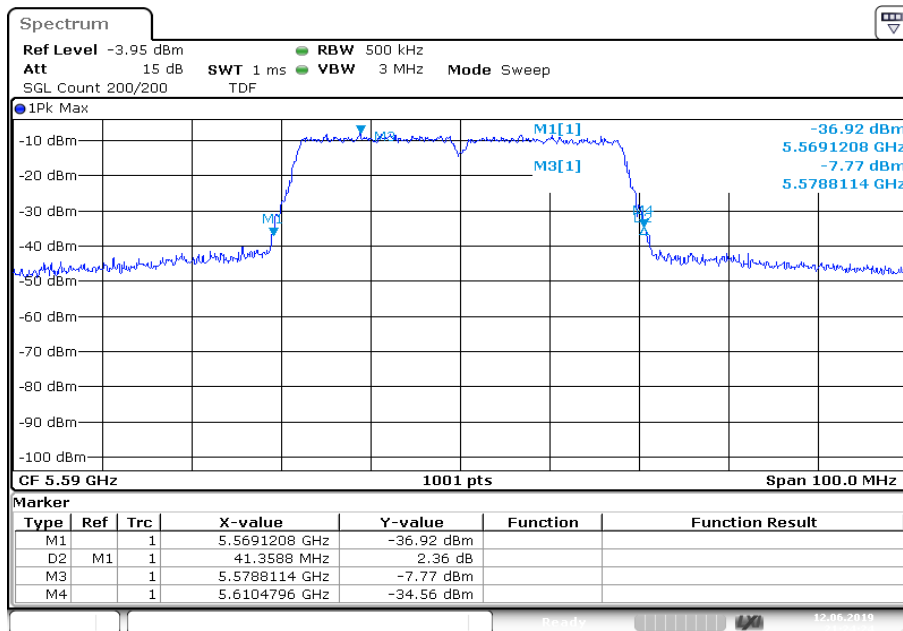
Plot 4: U-NII-2A; highest channel



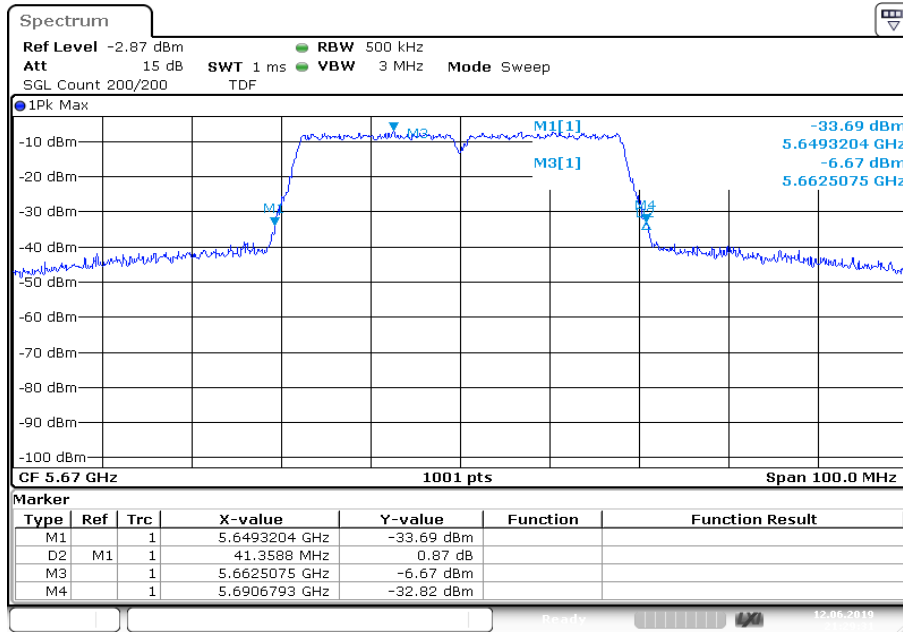
Plot 5: U-NII-2C; lowest channel



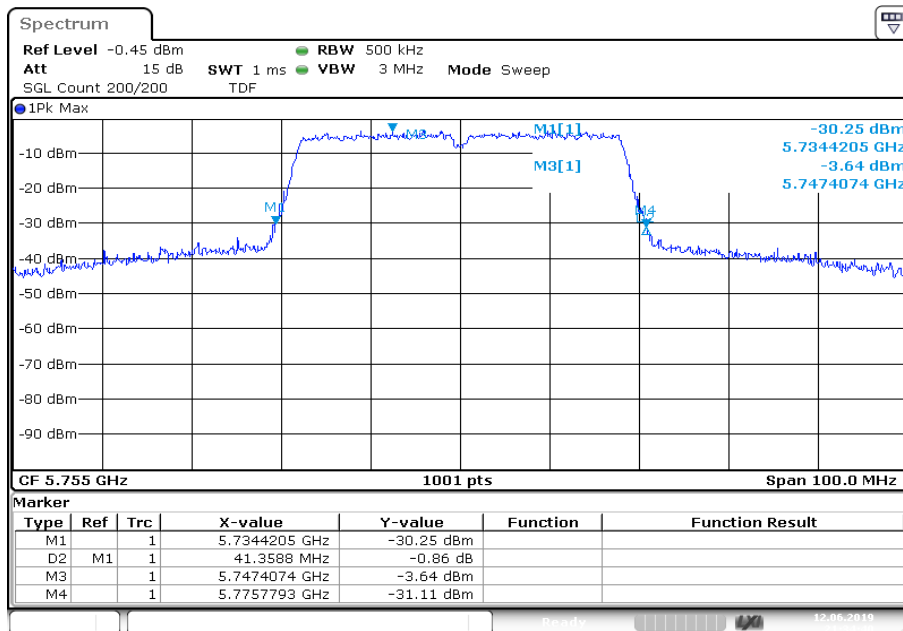
Plot 6: U-NII-2C; middle channel



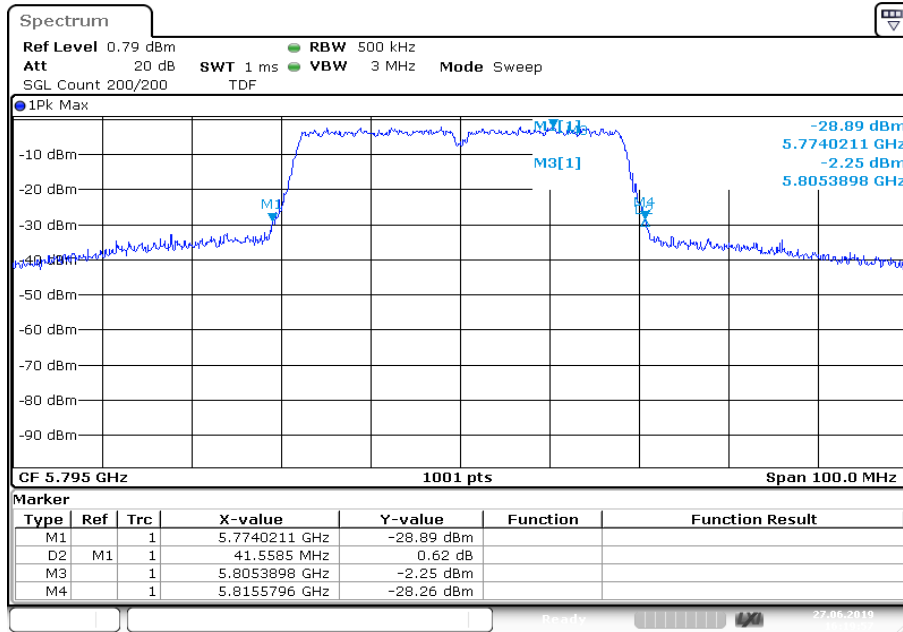
Plot 7: U-NII-2C; highest channel



Plot 8: U-NII-3; lowest channel



Plot 9: U-NII-3; highest channel



Date: 27.JUN.2019 16:19:58

11.8 Occupied bandwidth / 99% emission bandwidth

Description:

Measurement of the 99% bandwidth of the modulated signal acc. RSS-GEN.

Measurement:

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	300 kHz / 500 kHz
Video bandwidth:	1 MHz / 3 MHz
Span:	50 MHz / 100 MHz
Measurement procedure:	Measurement of the 99% bandwidth using the integration function of the analyzer
Trace mode:	Max hold (allow trace to stabilize)
Test setup:	See chapter 6.4 – A
Measurement uncertainty:	See sub clause 8

Usage:

-/-	IC
OBW is necessary for Emission Designator	

Results:

a	99% bandwidth (kHz)		
	U-NII-1 (5150 MHz to 5250 MHz)		
	Lowest channel	Middle channel	Highest channel
	16933	16833	16883
	U-NII-2A (5250 MHz to 5350 MHz)		
	Lowest channel	Middle channel	Highest channel
	16783	16783	16833
	U-NII-2C (5470 MHz to 5725 MHz)		
	Lowest channel	Middle channel	Highest channel
	16783	16783	16783
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel	Middle channel	Highest channel
16783	16833	16983	

Results:

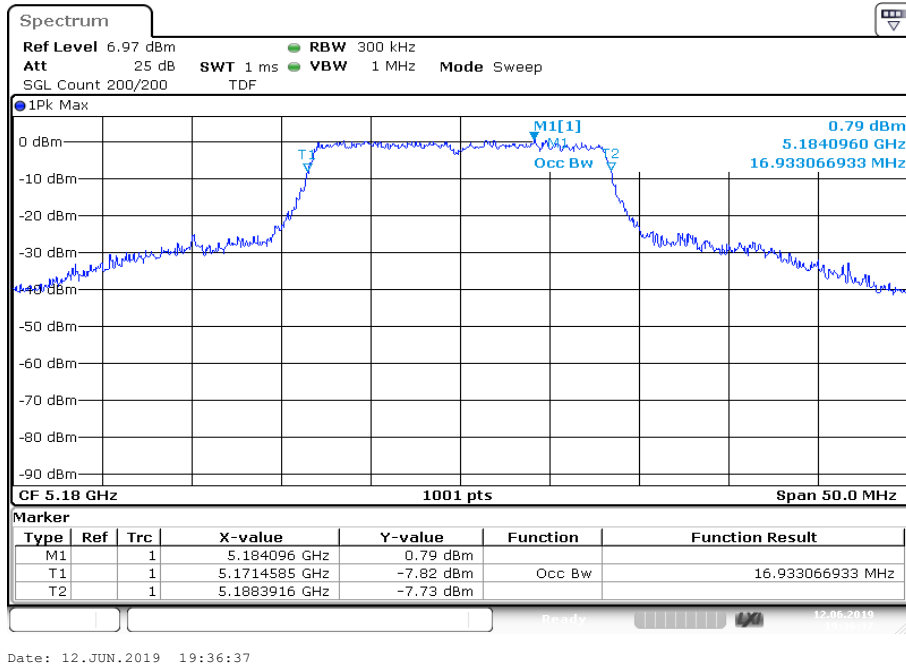
n HT20	99% bandwidth (kHz)		
	U-NII-1 (5150 MHz to 5250 MHz)		
	Lowest channel	Middle channel	Highest channel
	17982	17932	17932
	U-NII-2A (5250 MHz to 5350 MHz)		
	Lowest channel	Middle channel	Highest channel
	17932	17882	17882
	U-NII-2C (5470 MHz to 5725 MHz)		
	Lowest channel	Middle channel	Highest channel
	17882	17882	17932
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel	Middle channel	Highest channel
17932	17982	17982	

Results:

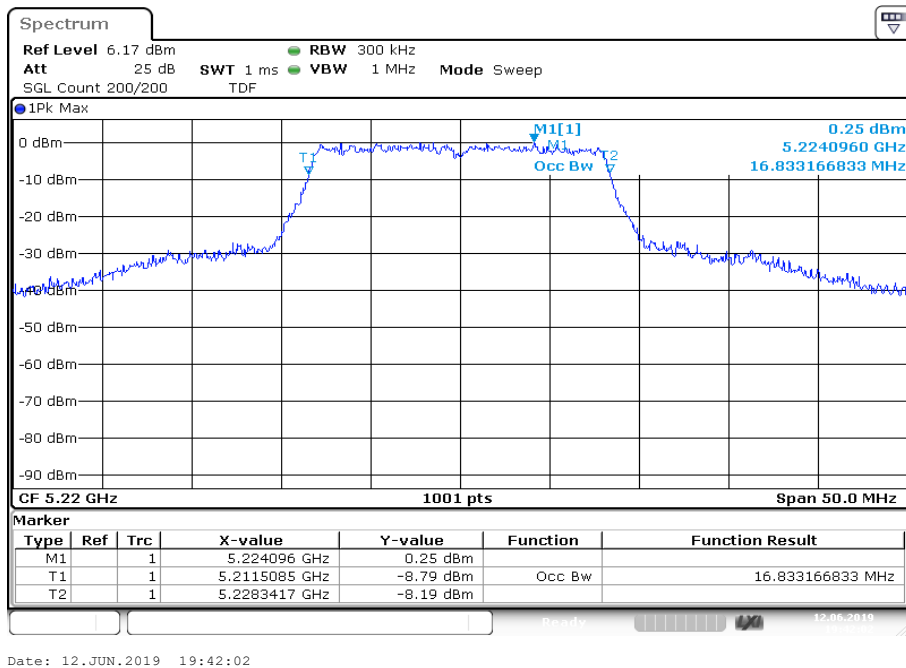
n HT40	99% bandwidth (kHz)		
	U-NII-1 (5150 MHz to 5250 MHz)		
	Lowest channel		Highest channel
	36563		36663
	U-NII-2A (5250 MHz to 5350 MHz)		
	Lowest channel		Highest channel
	36563		36464
	U-NII-2C (5470 MHz to 5725 MHz)		
	Lowest channel	Middle channel	Highest channel
	36563	36563	36663
	U-NII-3 (5725 MHz to 5850 MHz)		
	Lowest channel		Highest channel
	36563		36663

Plots: a – mode

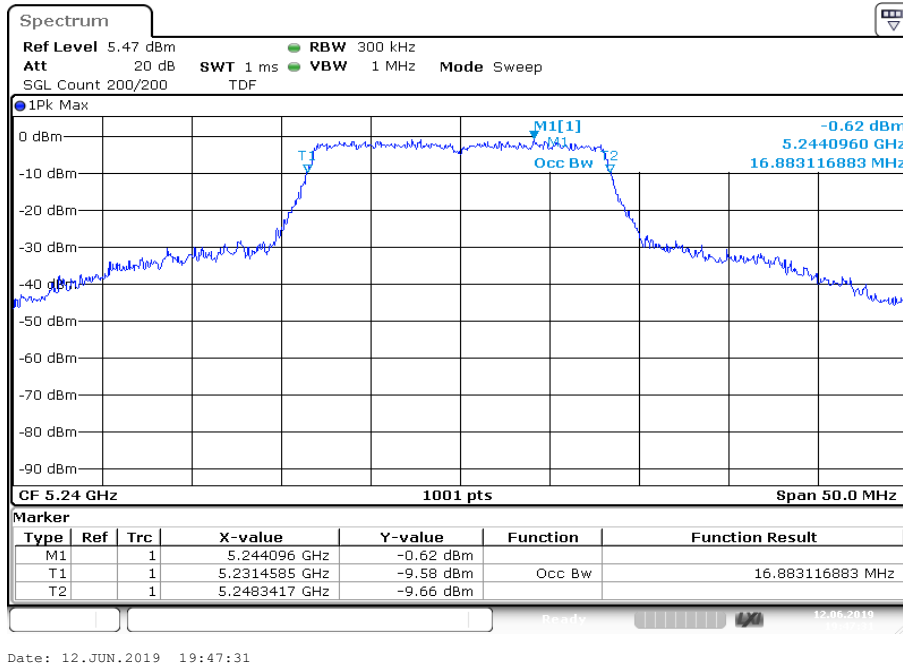
Plot 1: U-NII-1; lowest channel



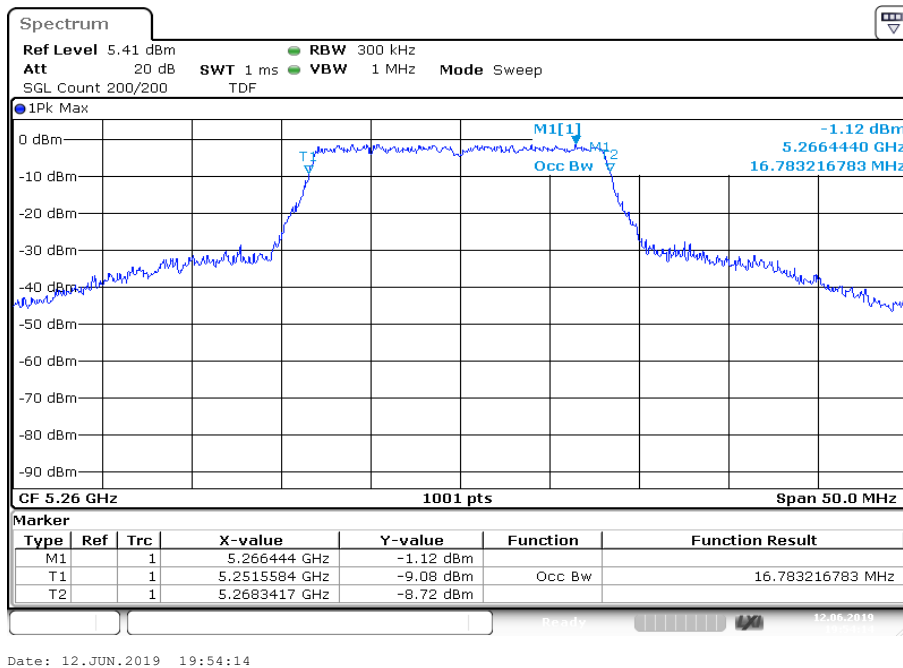
Plot 2: U-NII-1; middle channel



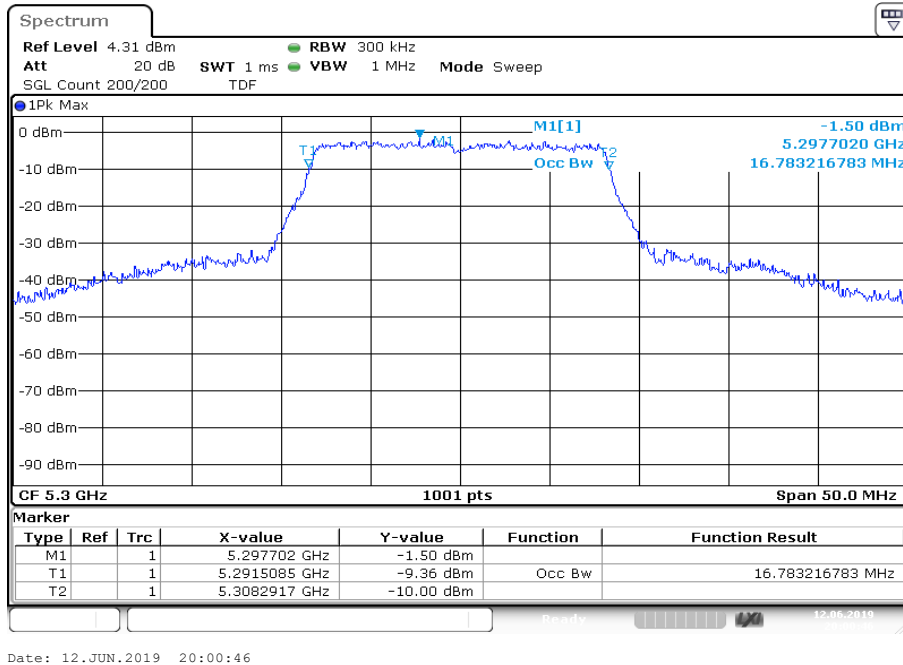
Plot 3: U-NII-1; highest channel



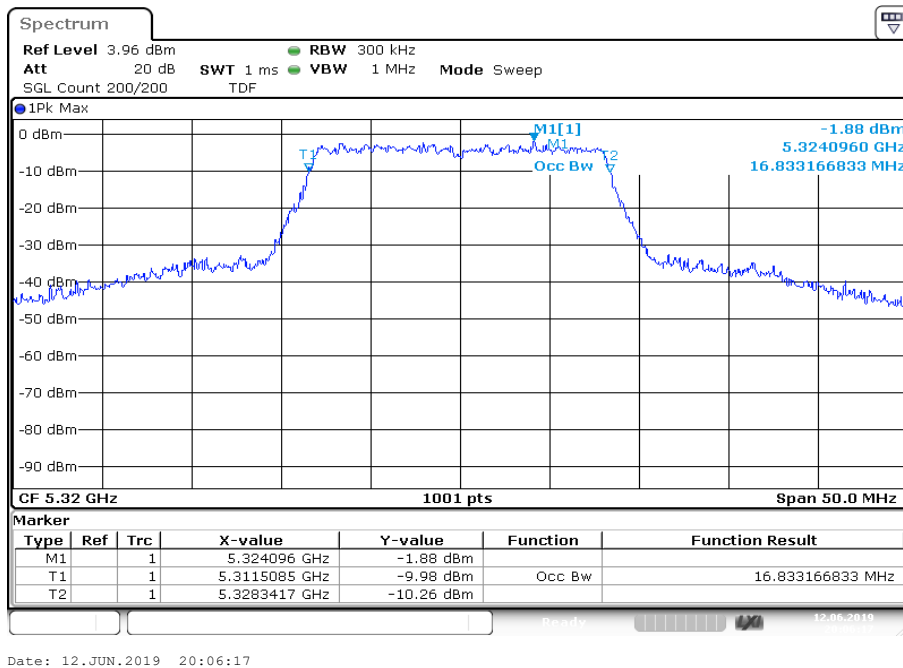
Plot 4: U-NII-2A; lowest channel



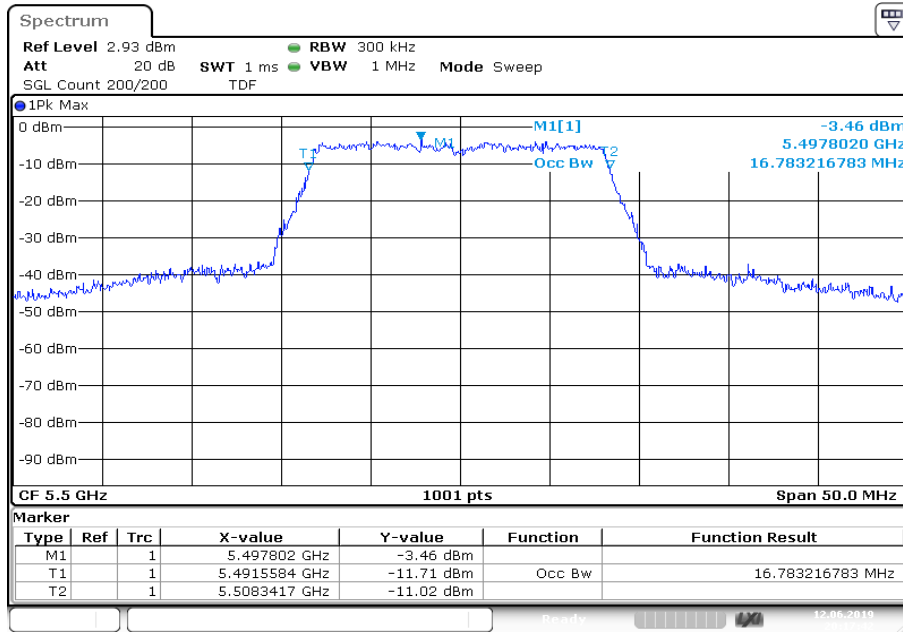
Plot 5: U-NII-2A; middle channel



Plot 6: U-NII-2A; highest channel

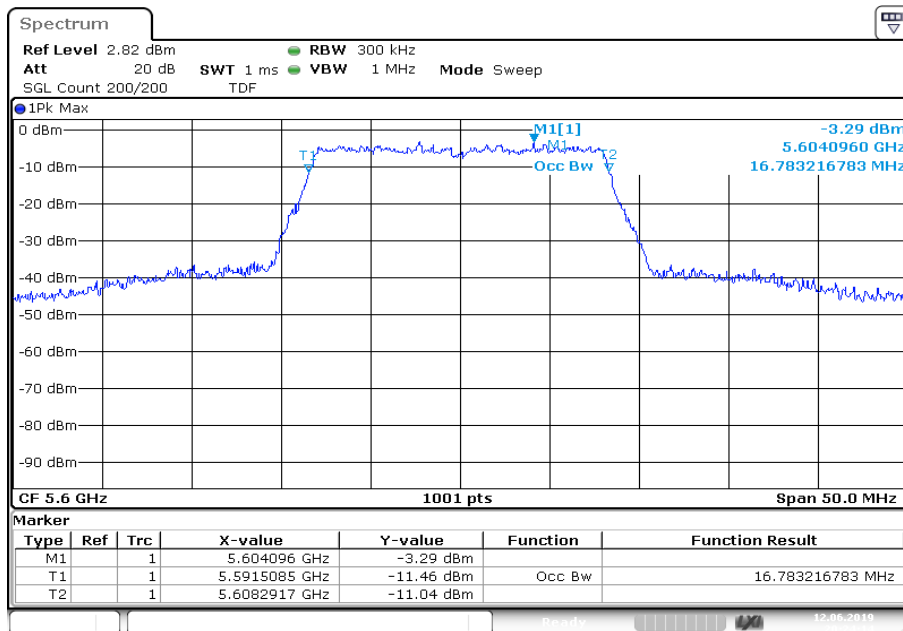


Plot 7: U-NII-2C; lowest channel



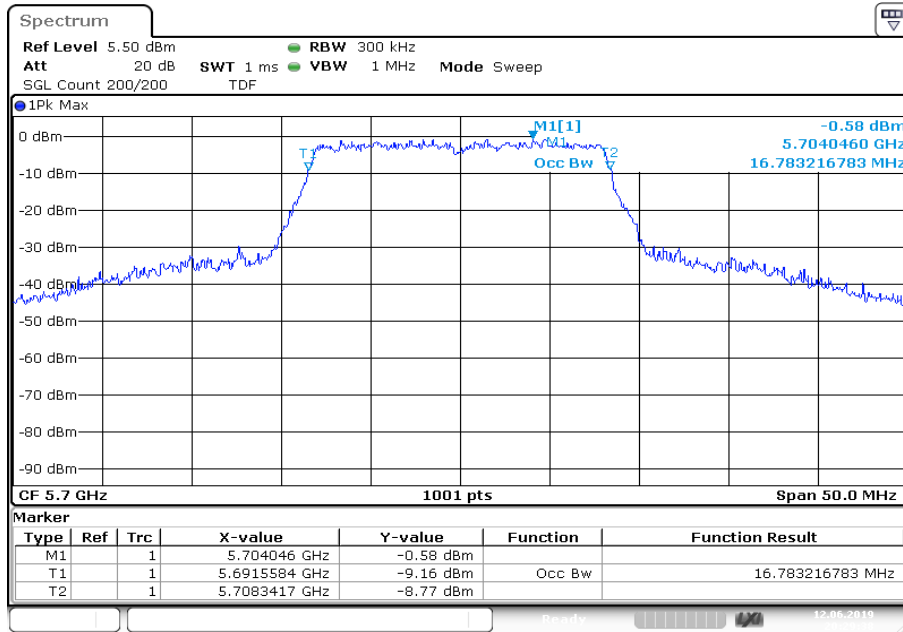
Date: 12.JUN.2019 20:17:43

Plot 8: U-NII-2C; middle channel



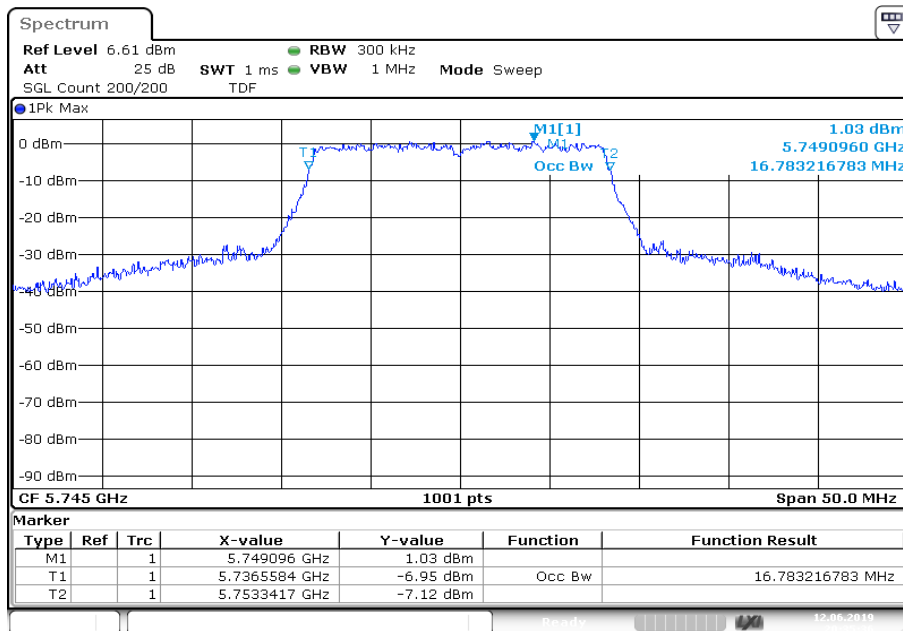
Date: 12.JUN.2019 20:24:15

Plot 9: U-NII-2C; highest channel



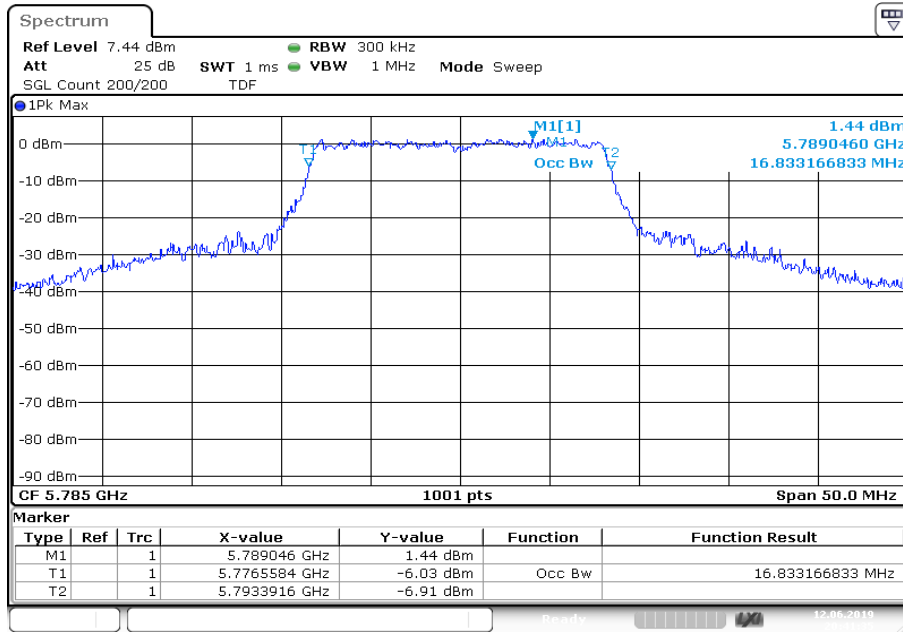
Date: 12.JUN.2019 20:29:38

Plot 10: U-NII-3; lowest channel

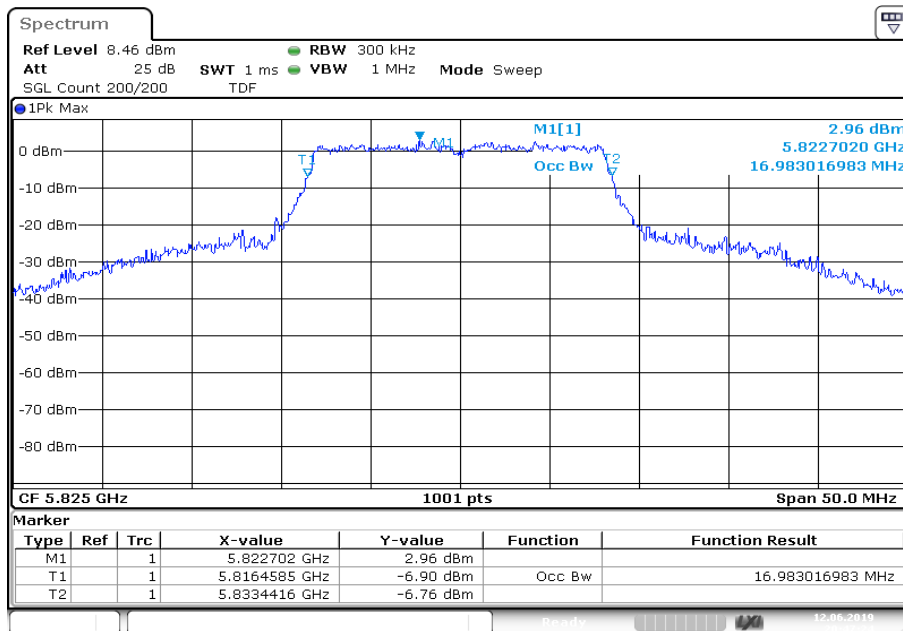


Date: 12.JUN.2019 20:35:36

Plot 11: U-NII-3; middle channel

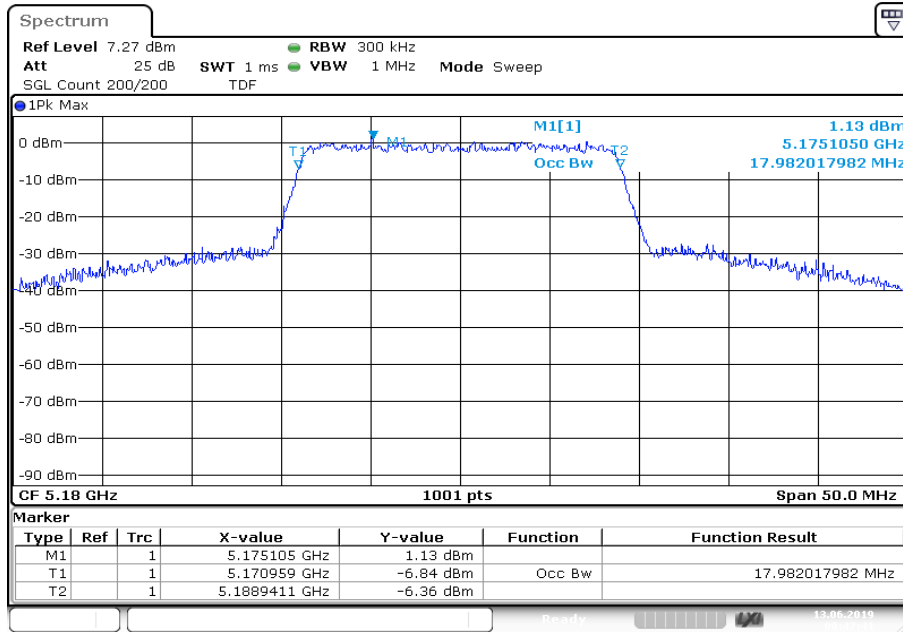


Plot 12: U-NII-3; highest channel



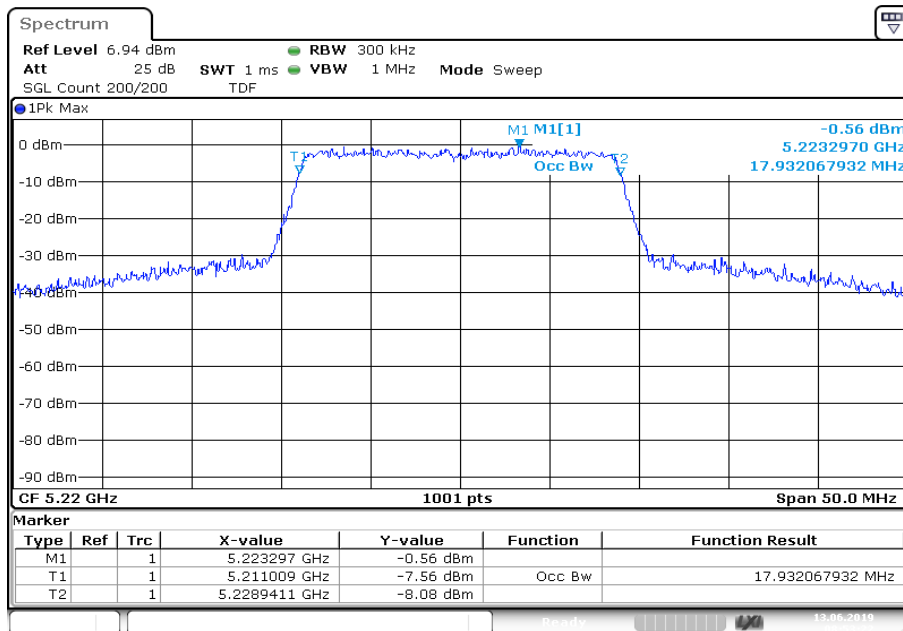
Plots: n HT20 – mode

Plot 1: U-NII-1; lowest channel



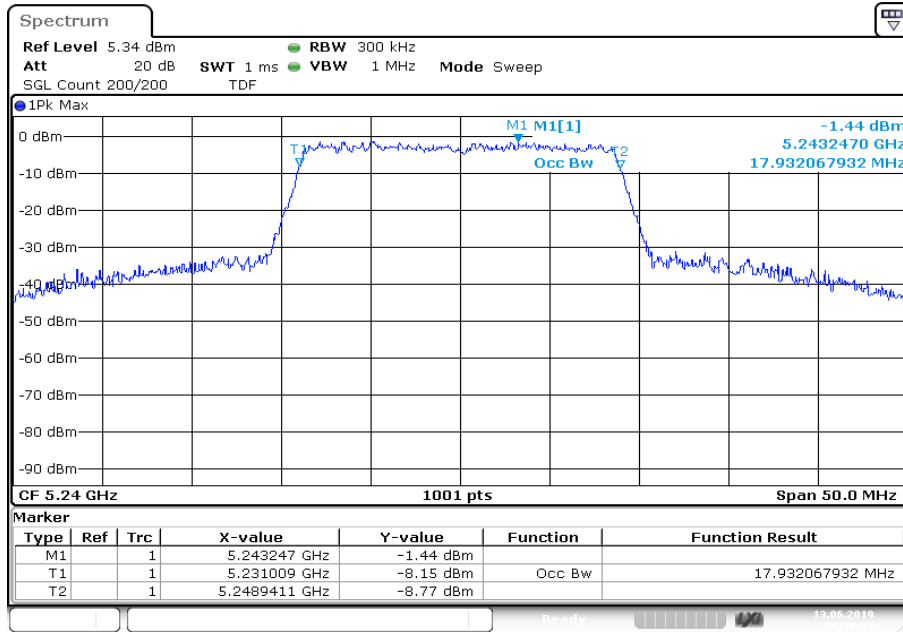
Date: 13.JUN.2019 08:47:41

Plot 2: U-NII-1; middle channel



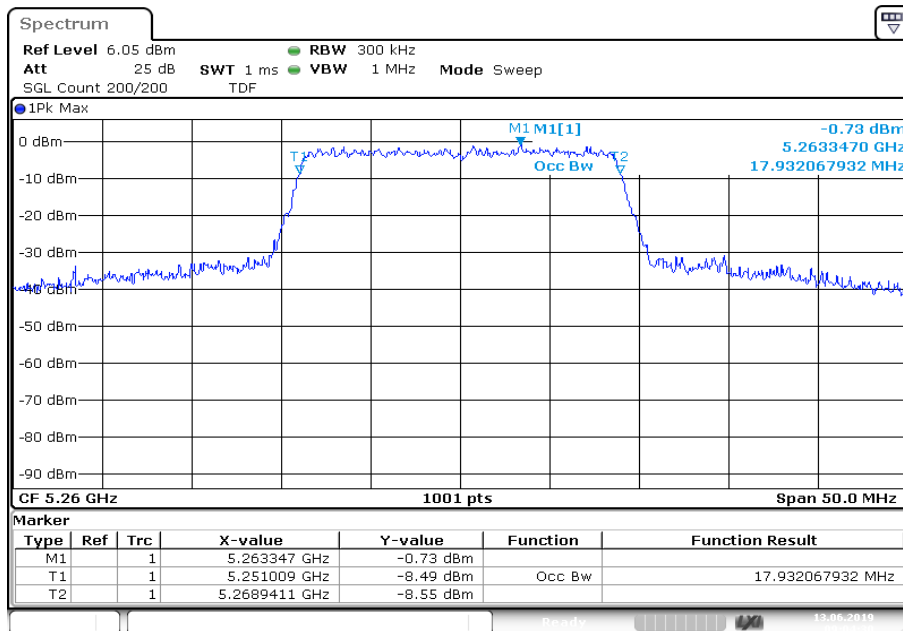
Date: 13.JUN.2019 08:53:22

Plot 3: U-NII-1; highest channel



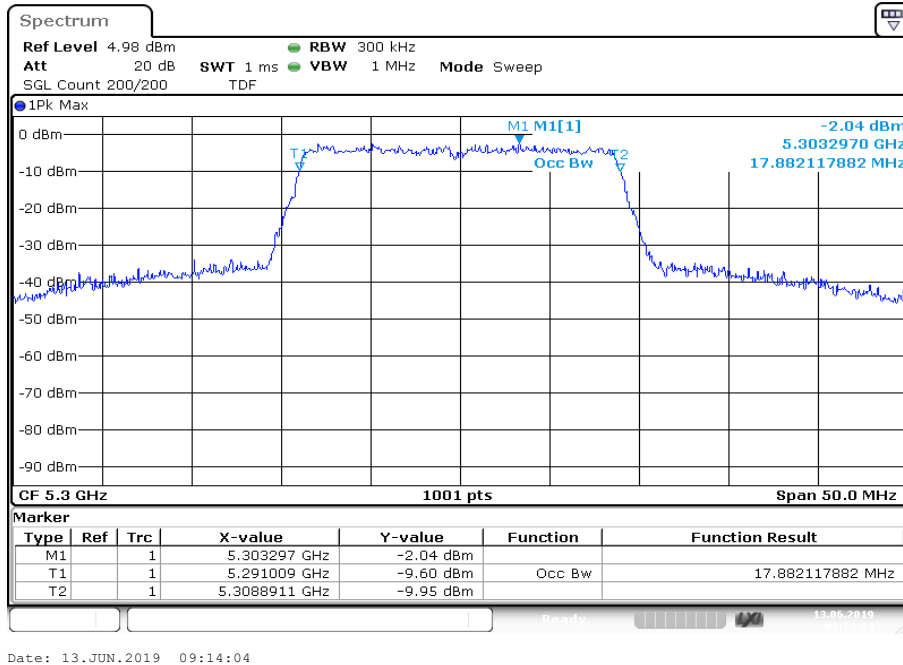
Date: 13.JUN.2019 08:58:57

Plot 4: U-NII-2A; lowest channel

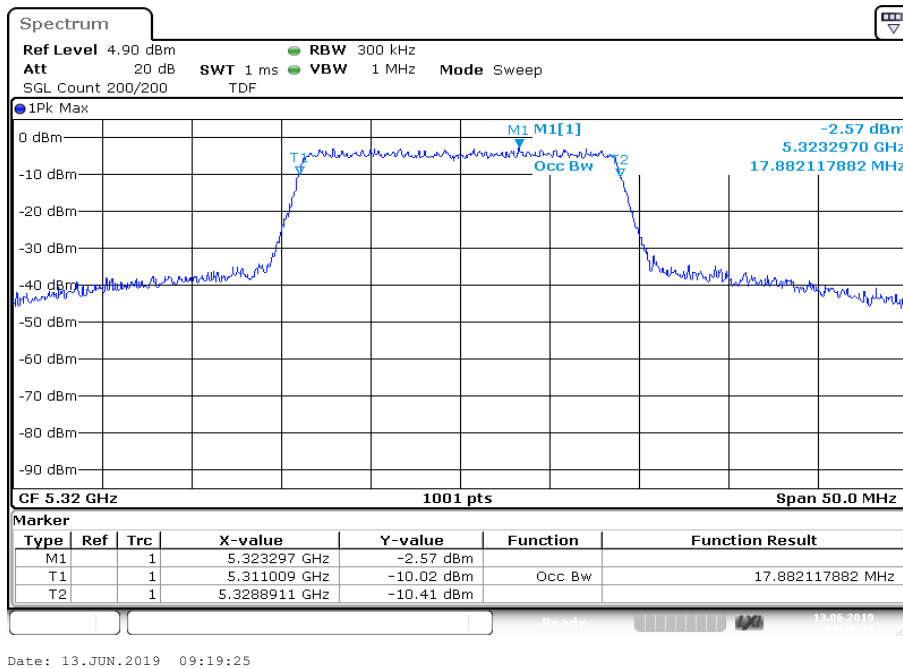


Date: 13.JUN.2019 09:04:29

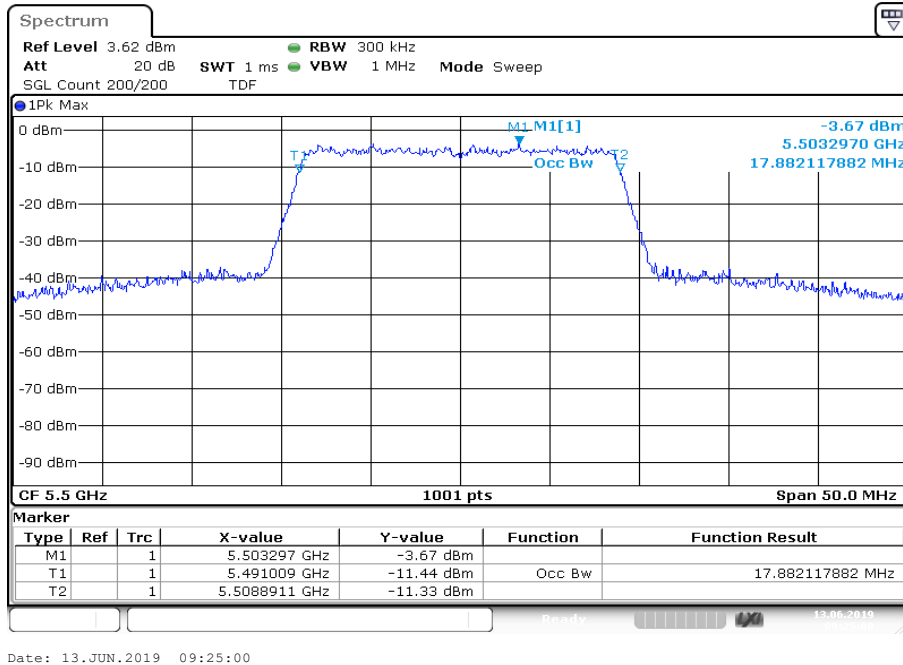
Plot 5: U-NII-2A; middle channel



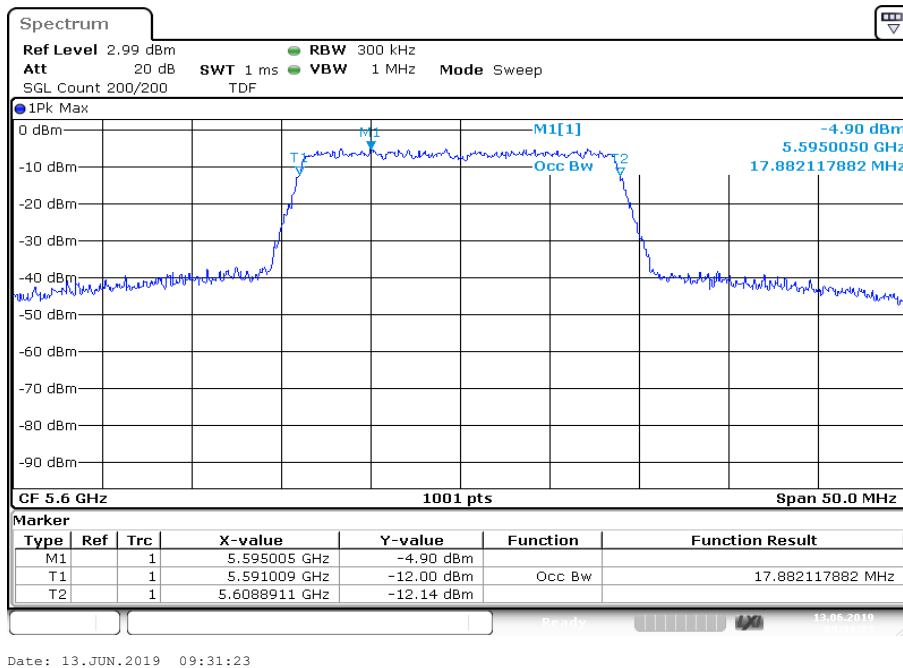
Plot 6: U-NII-2A; highest channel



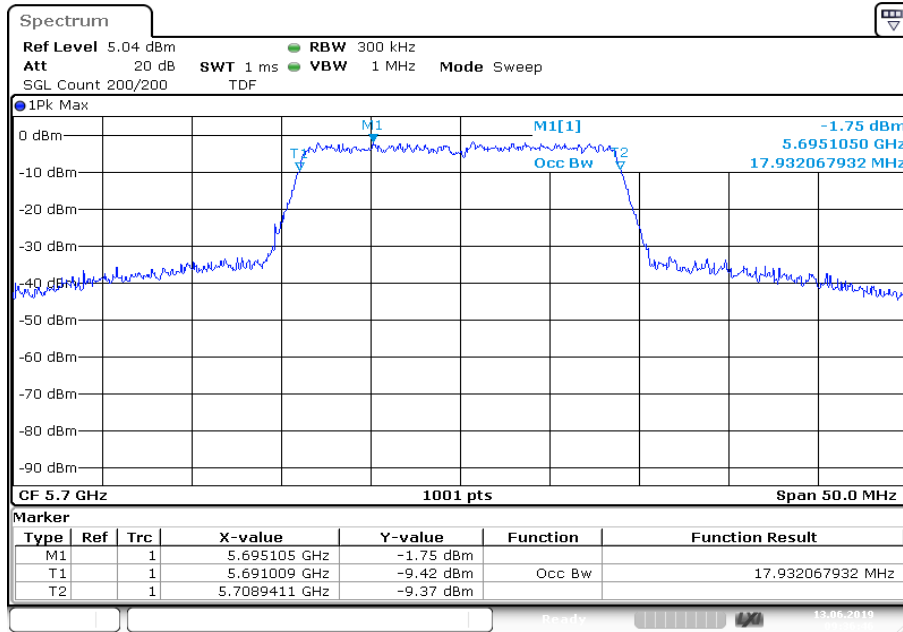
Plot 7: U-NII-2C; lowest channel



Plot 8: U-NII-2C; middle channel

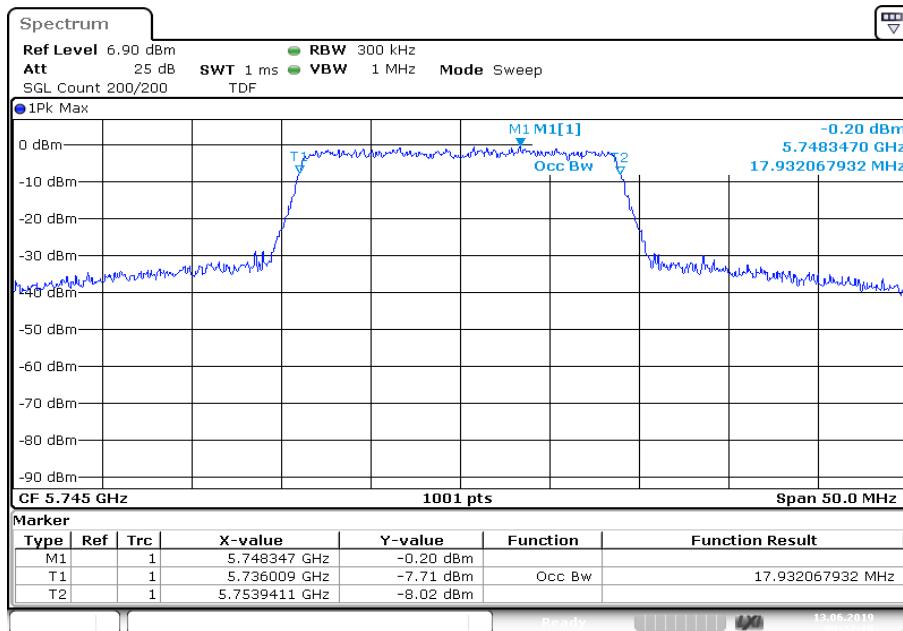


Plot 9: U-NII-2C; highest channel



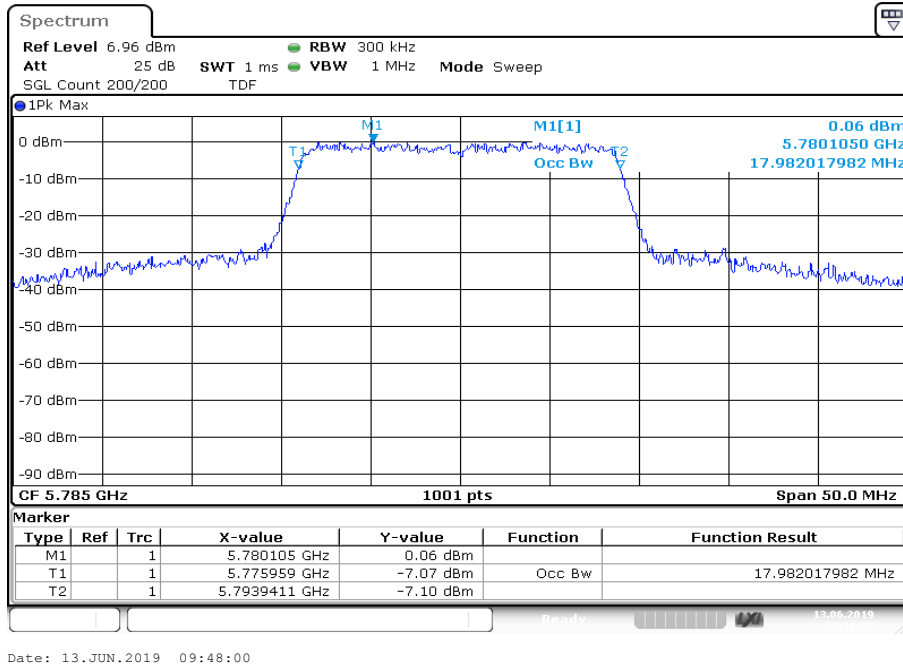
Date: 13.JUN.2019 09:36:46

Plot 10: U-NII-3; lowest channel

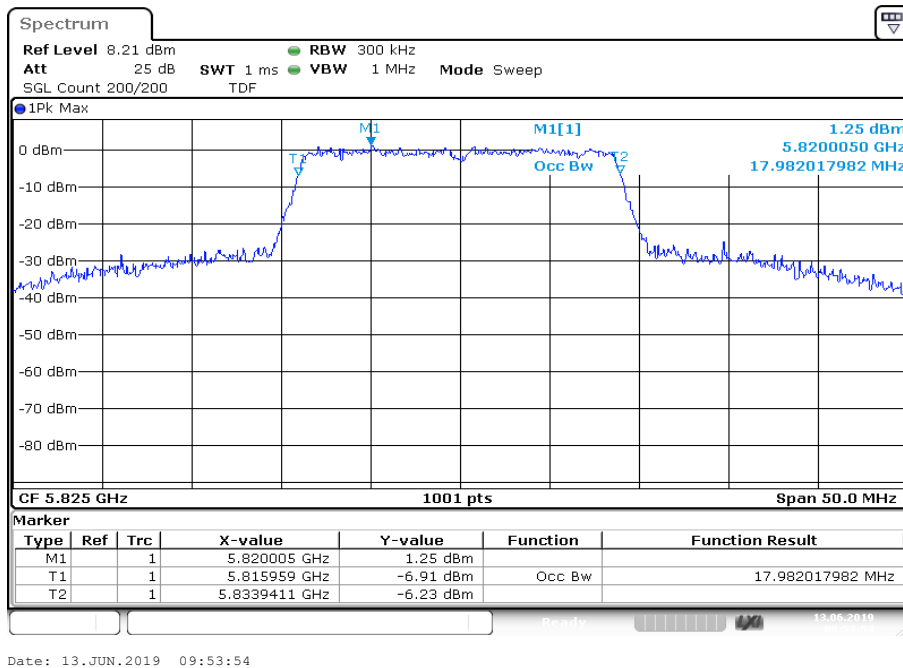


Date: 13.JUN.2019 09:42:10

Plot 11: U-NII-3; middle channel

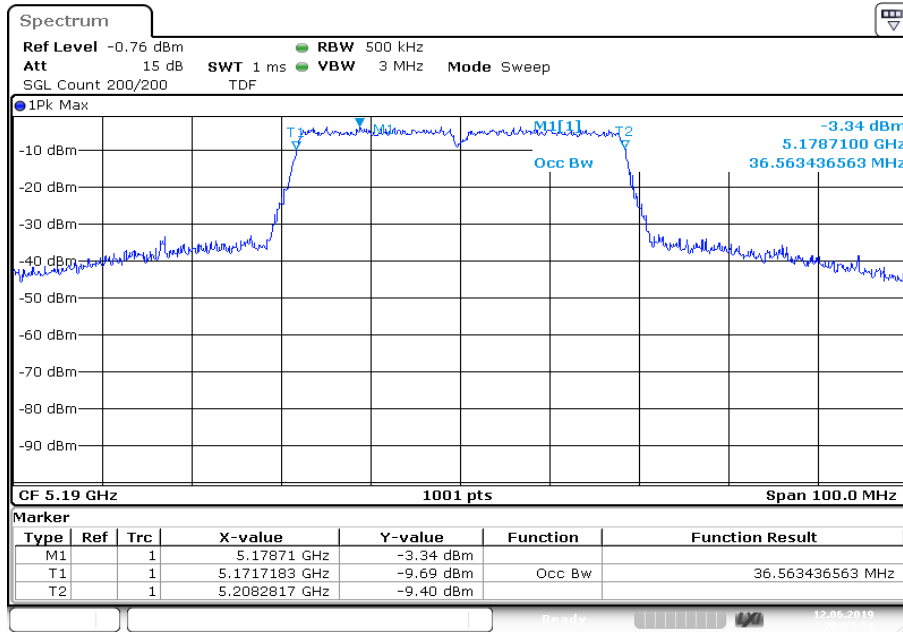


Plot 12: U-NII-3; highest channel



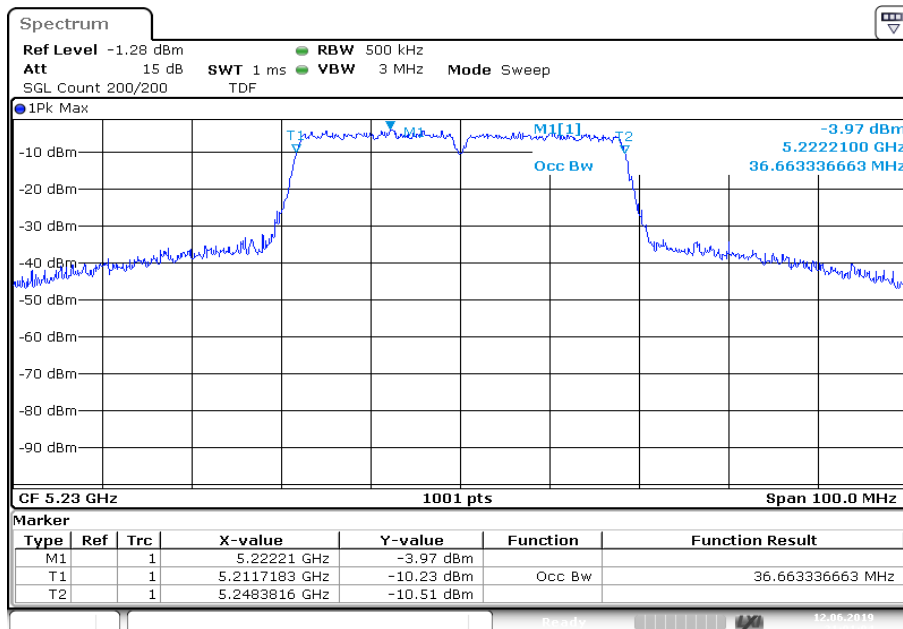
Plots: n HT40 – mode

Plot 1: U-NII-1; lowest channel



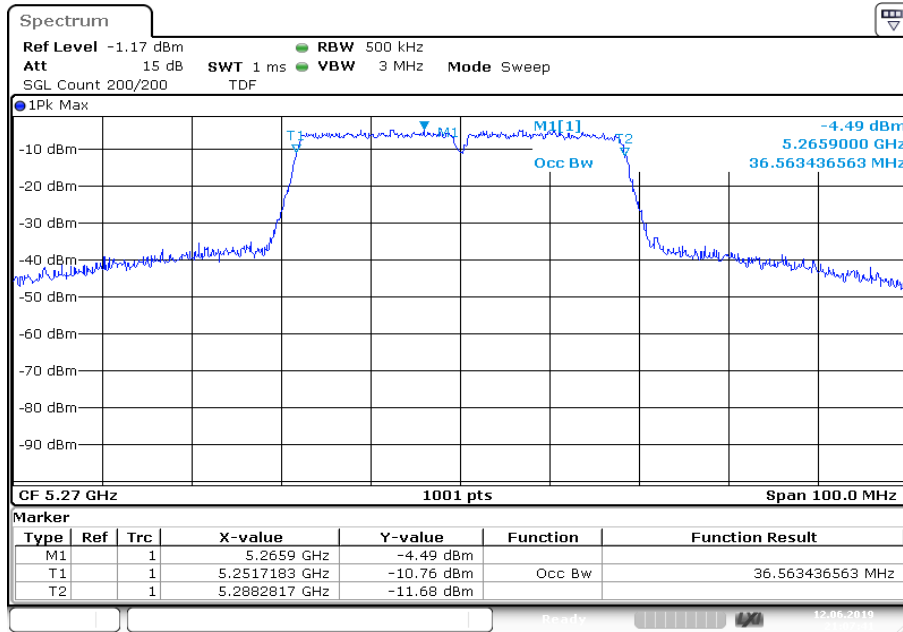
Date: 12.JUN.2019 20:55:51

Plot 2: U-NII-1; highest channel



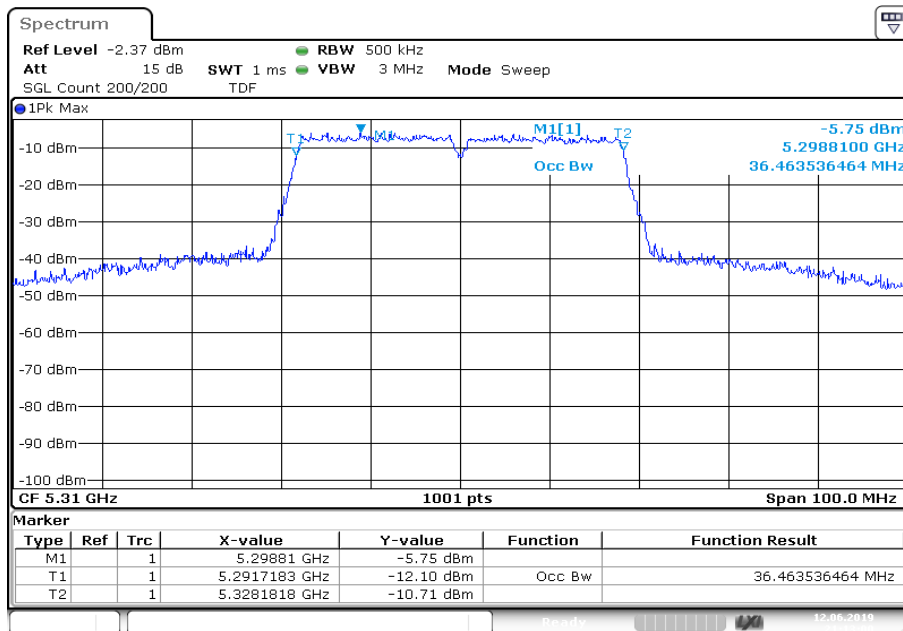
Date: 12.JUN.2019 21:01:04

Plot 3: U-NII-2A; lowest channel



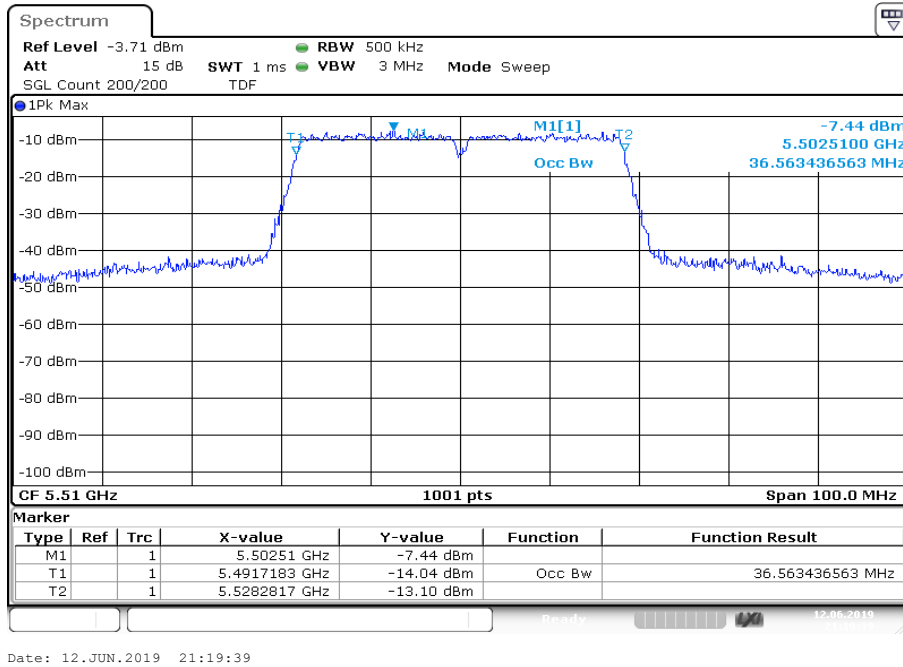
Date: 12.JUN.2019 21:07:41

Plot 4: U-NII-2A; highest channel

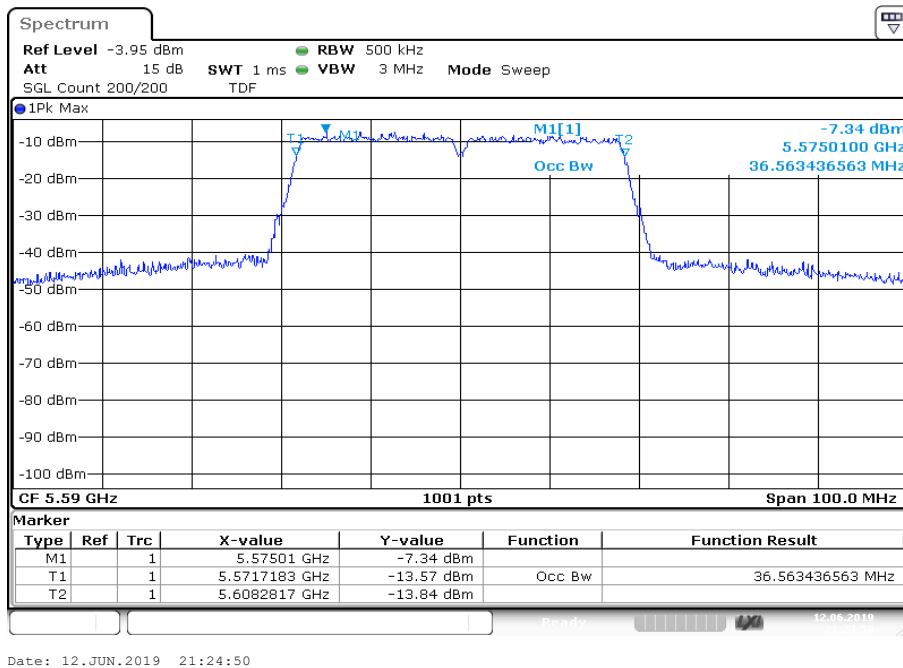


Date: 12.JUN.2019 21:13:00

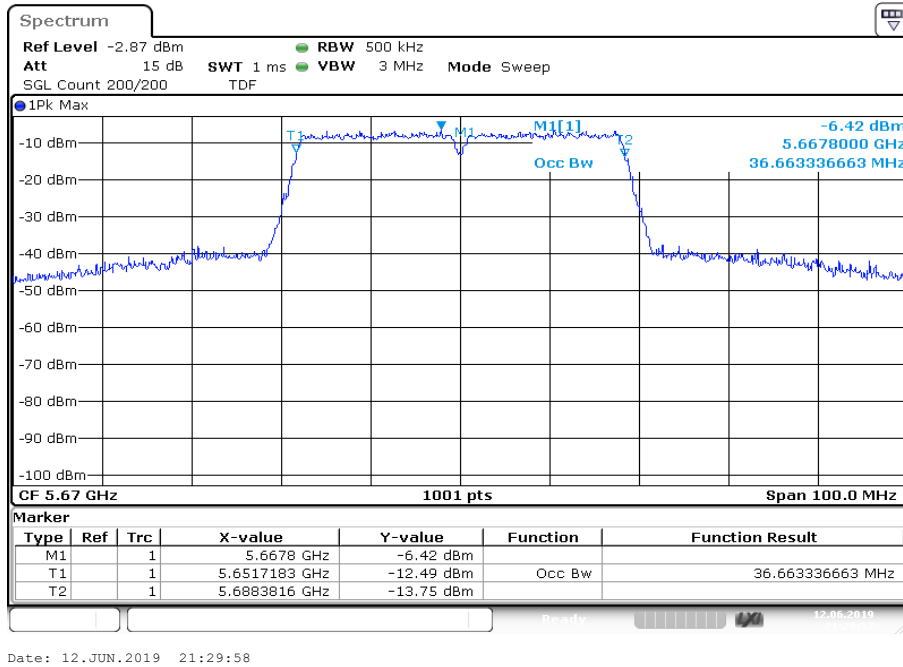
Plot 5: U-NII-2C; lowest channel



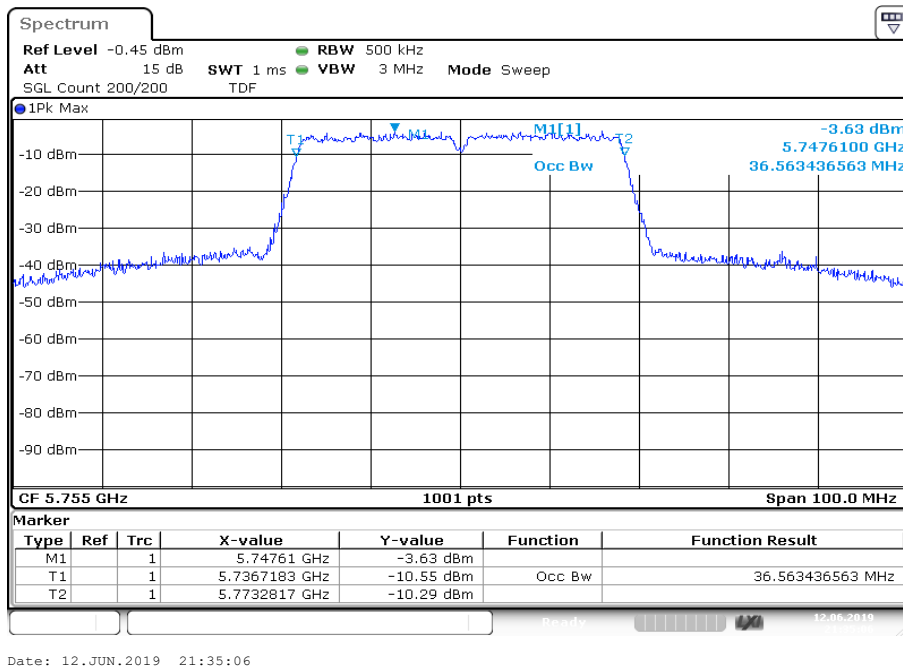
Plot 6: U-NII-2C; middle channel



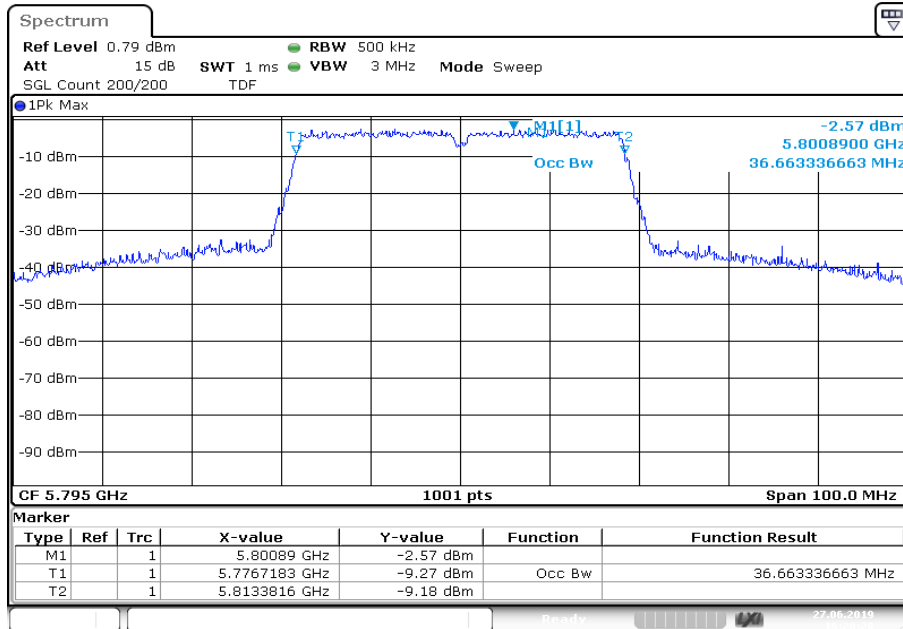
Plot 7: U-NII-2C; highest channel



Plot 8: U-NII-3; lowest channel



Plot 9: U-NII-3; highest channel



Date: 27.JUN.2019 16:20:28

11.9 Band edge compliance radiated

Description:

Measurement of the radiated band edge compliance. The EUT is turned in the position that results in the maximum level at the band edge. Then a sweep over the corresponding restricted band is performed. The EUT is set to the lowest channel for the lower restricted band and to the highest channel for the upper restricted band. Measurement distance is 3m.

Measurement:

Measurement parameter	
Detector:	Peak / RMS
Sweep time:	Auto
Resolution bandwidth:	1 MHz
Video bandwidth:	≥ 3 x RBW
Span:	See plots!
Trace mode:	Max Hold
Test setup:	See sub clause 6.2 – A
Measurement uncertainty:	See sub clause 8

Limits:

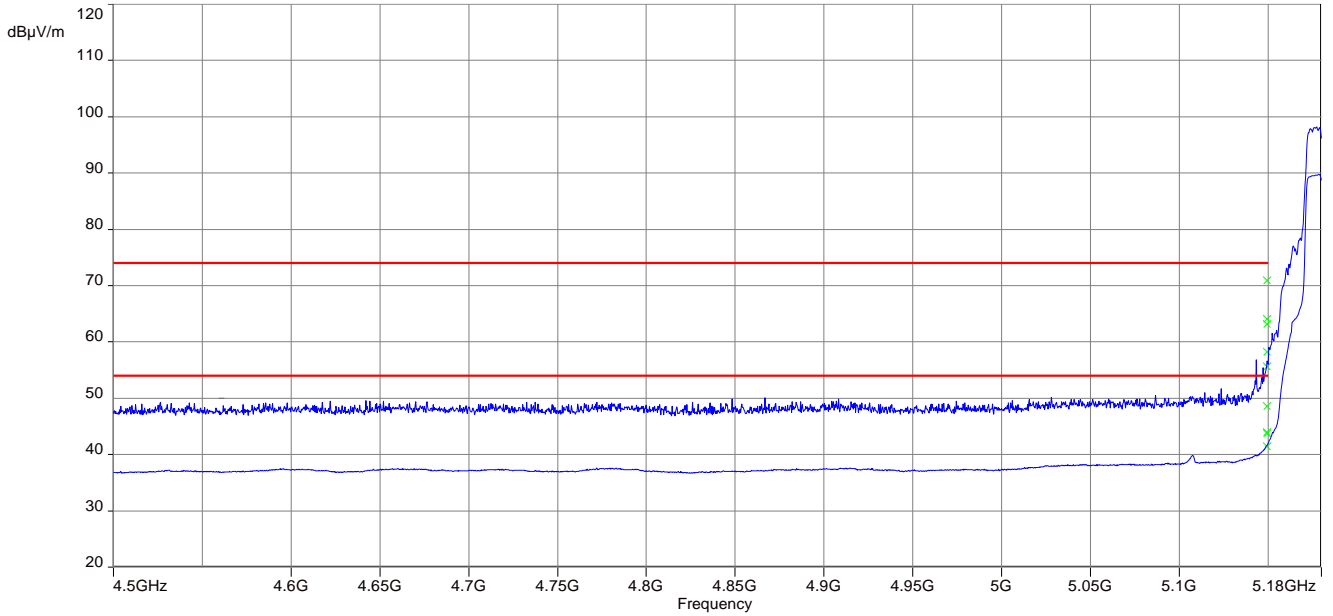
Band Edge Compliance Radiated
<p>In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 5.205(c)).</p>
<p style="text-align: center;">74 dBµV/m (peak) 54 dBµV/m (average)</p>

Result:

Scenario	Band Edge Compliance Radiated [dBµV/m]
band edge	<p style="text-align: center;">< 74 dBµV/m (peak) < 54 dBµV/m (average)</p>

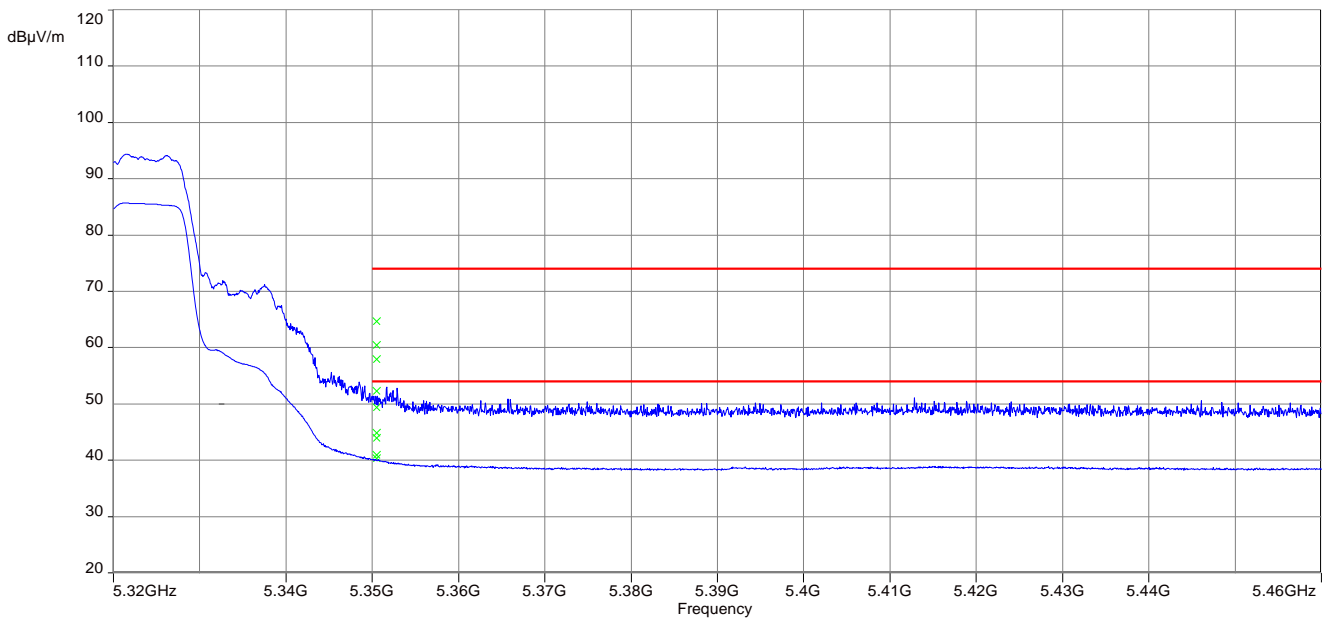
Plots:

Plot 1: lower band edge; U-NII-1; lowest channel; 20 MHz channel bandwidth, a-mode



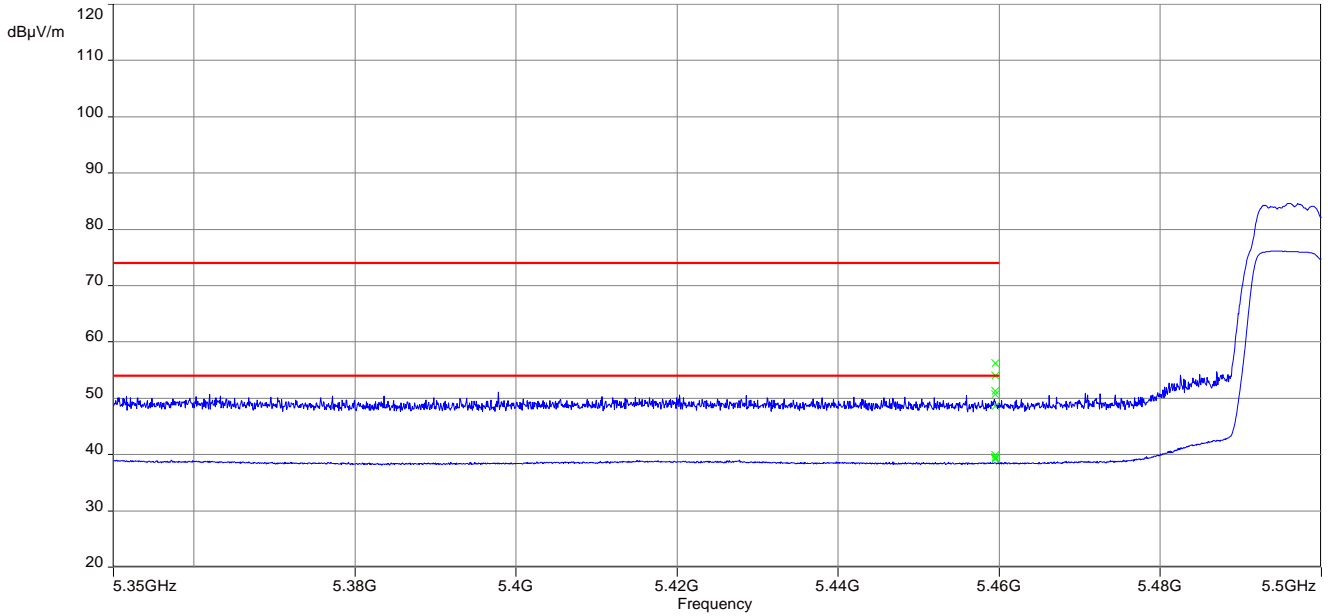
70.9 dBµV/m (peak) / 48.5 dBµV/m (average)

Plot 2: upper band edge; U-NII-2A; highest channel; 20 MHz channel bandwidth, a-mode



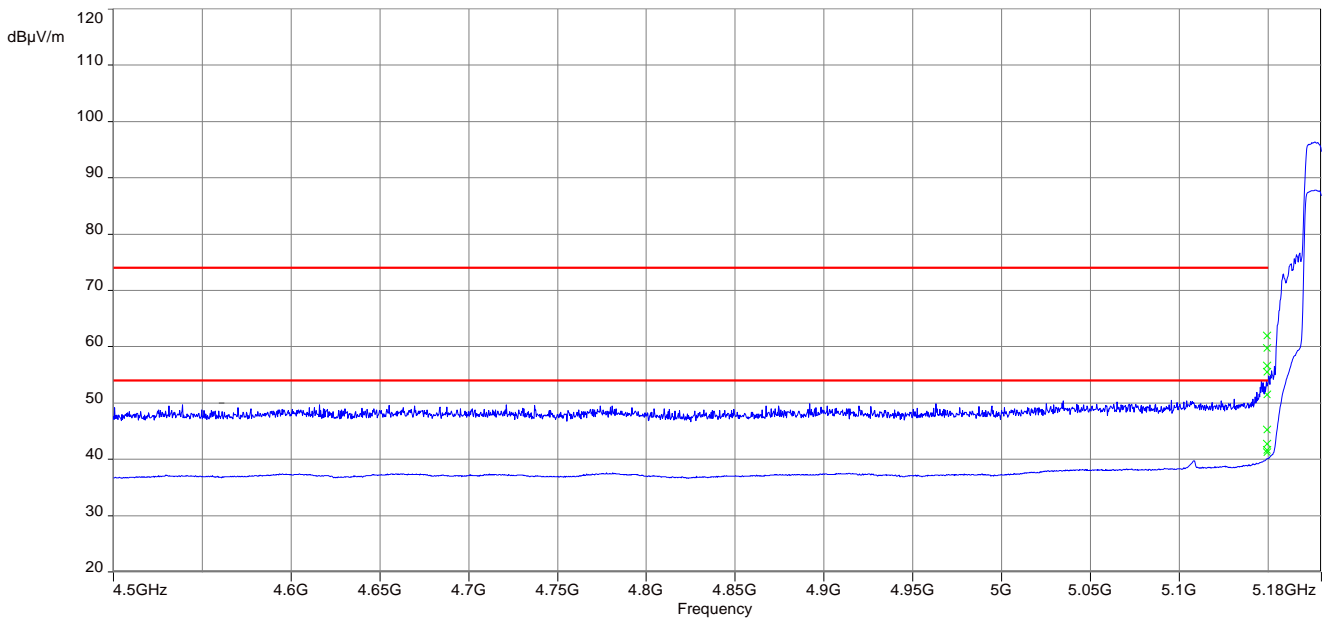
64.7 dBµV/m (peak) / 44.8 dBµV/m (average)

Plot 3: lower band edge; U-NII-2C; lowest channel; 20 MHz channel bandwidth, a-mode



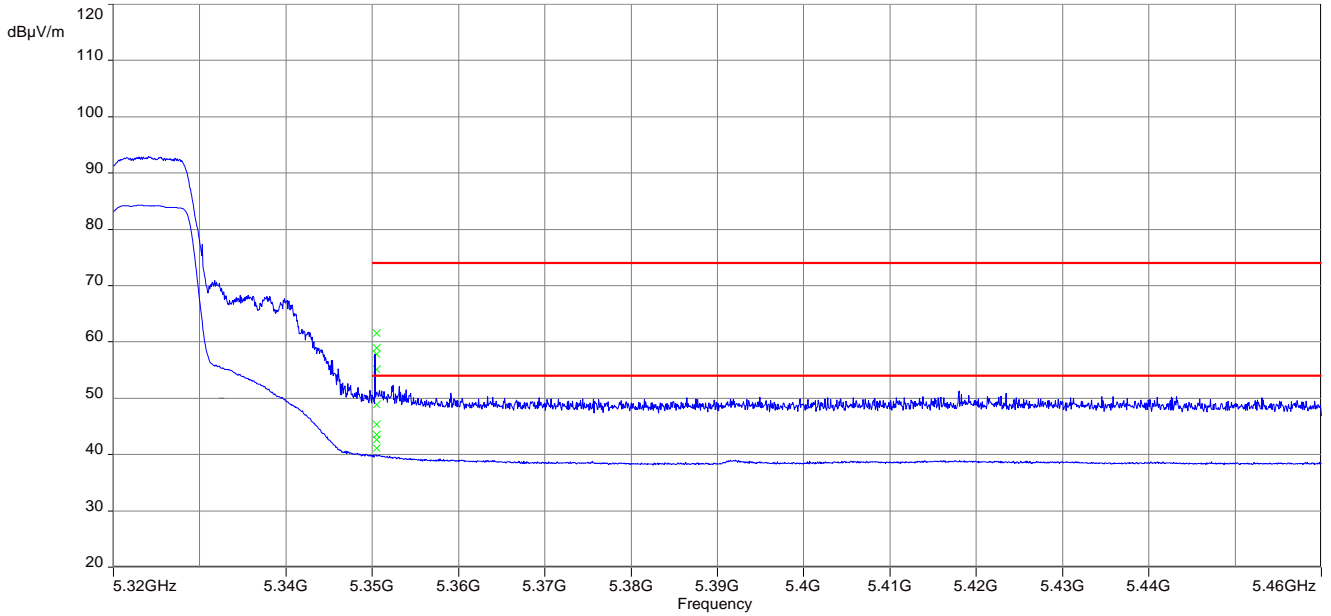
56.2 dBµV/m (peak) / 39.9 dBµV/m (average)

Plot 4: lower band edge; U-NII-1; lowest channel; 20 MHz channel bandwidth, n HT20-mode



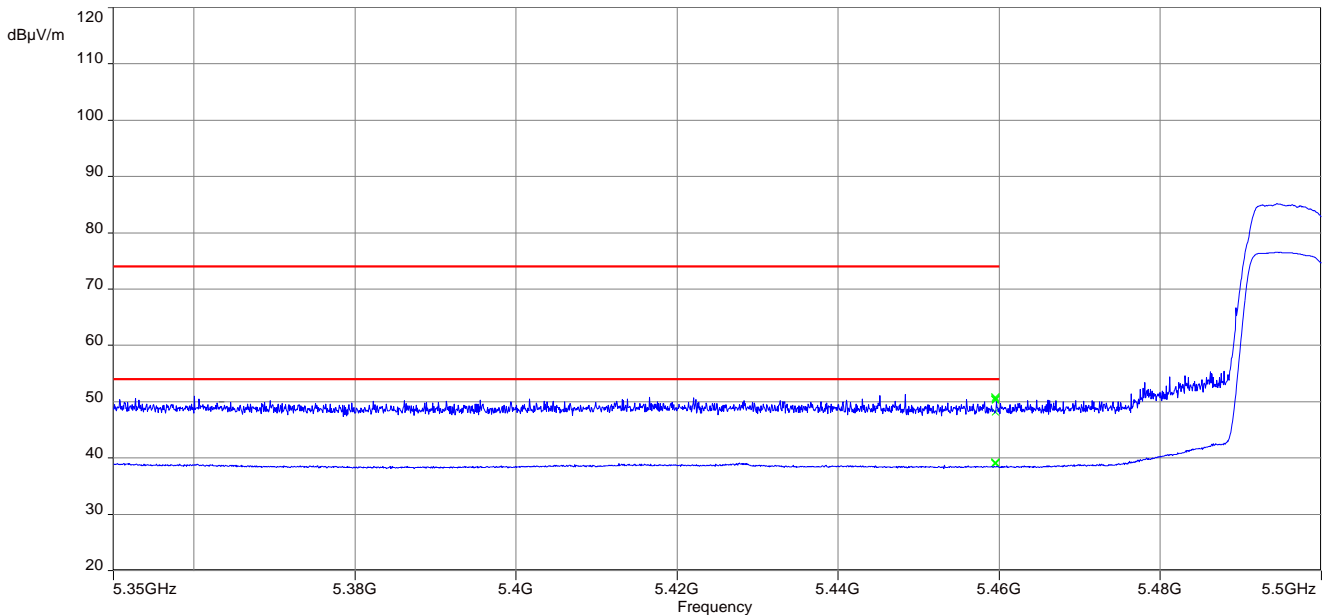
61.9 dBµV/m (peak) / 45.3 dBµV/m (average)

Plot 5: upper band edge; U-NII-2A; highest channel; 20 MHz channel bandwidth, n HT20-mode



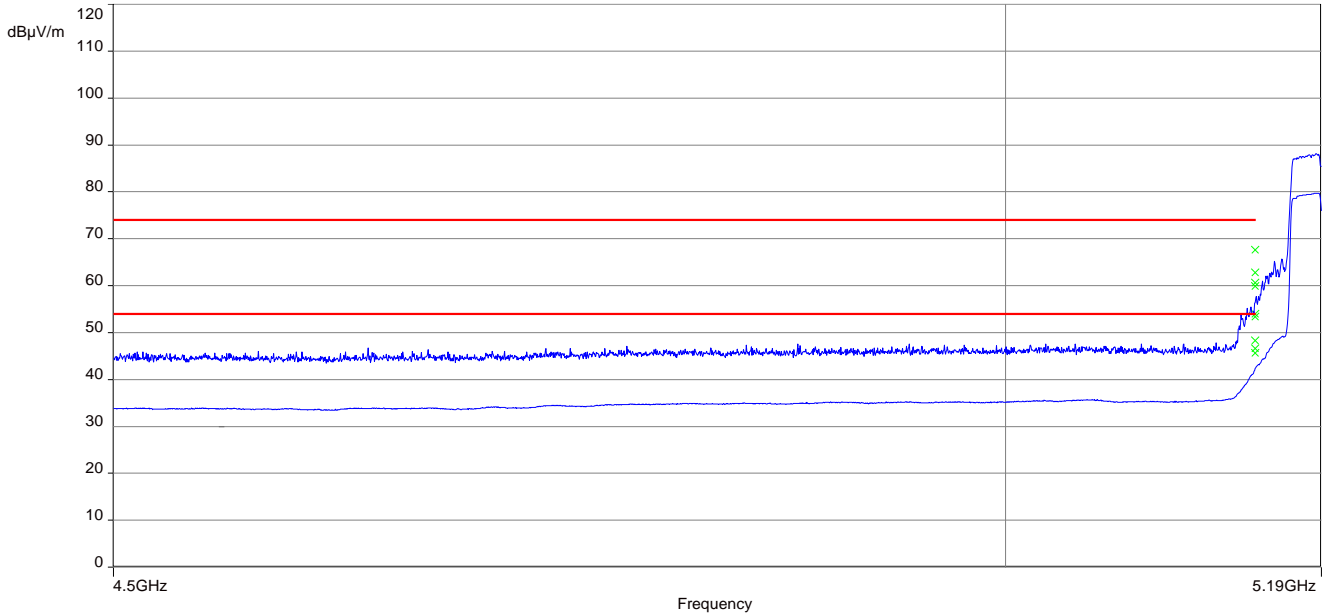
61.6 dBµV/m (peak) / 45.4 dBµV/m (average)

Plot 6: lower band edge; U-NII-2C; lowest channel; 20 MHz channel bandwidth, n HT20-mode



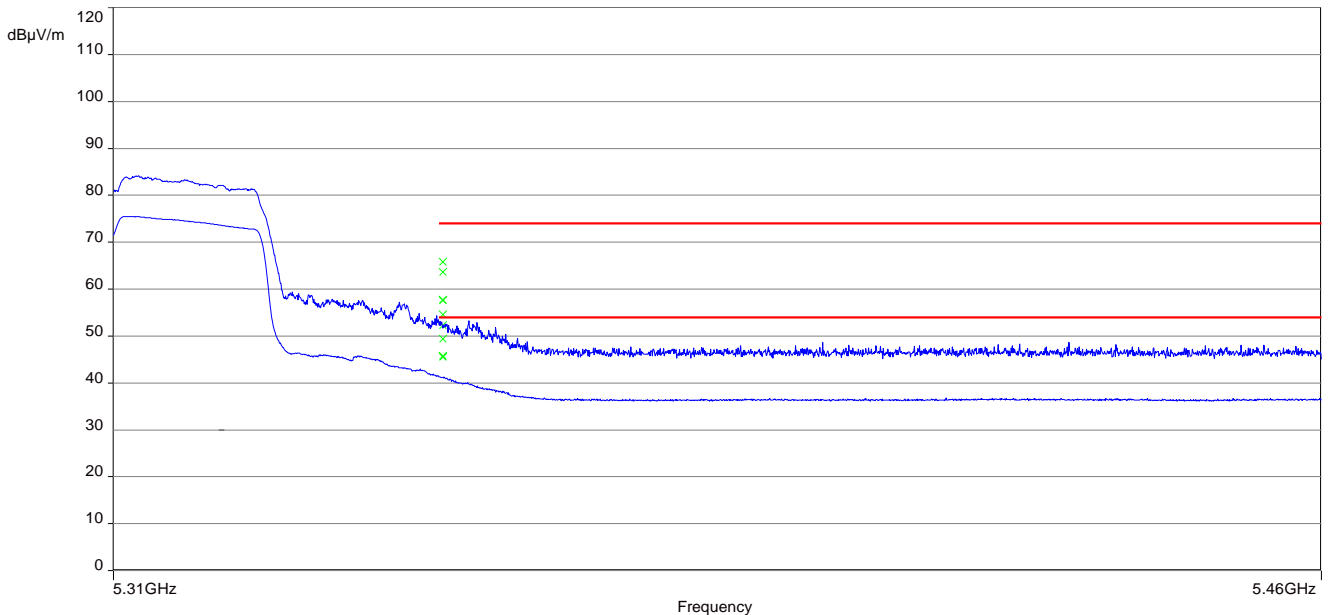
50.8 dBµV/m (peak) / 39.2 dBµV/m (average)

Plot 7: lower band edge; U-NII-1; lowest channel; 40 MHz channel bandwidth, n HT40-mode



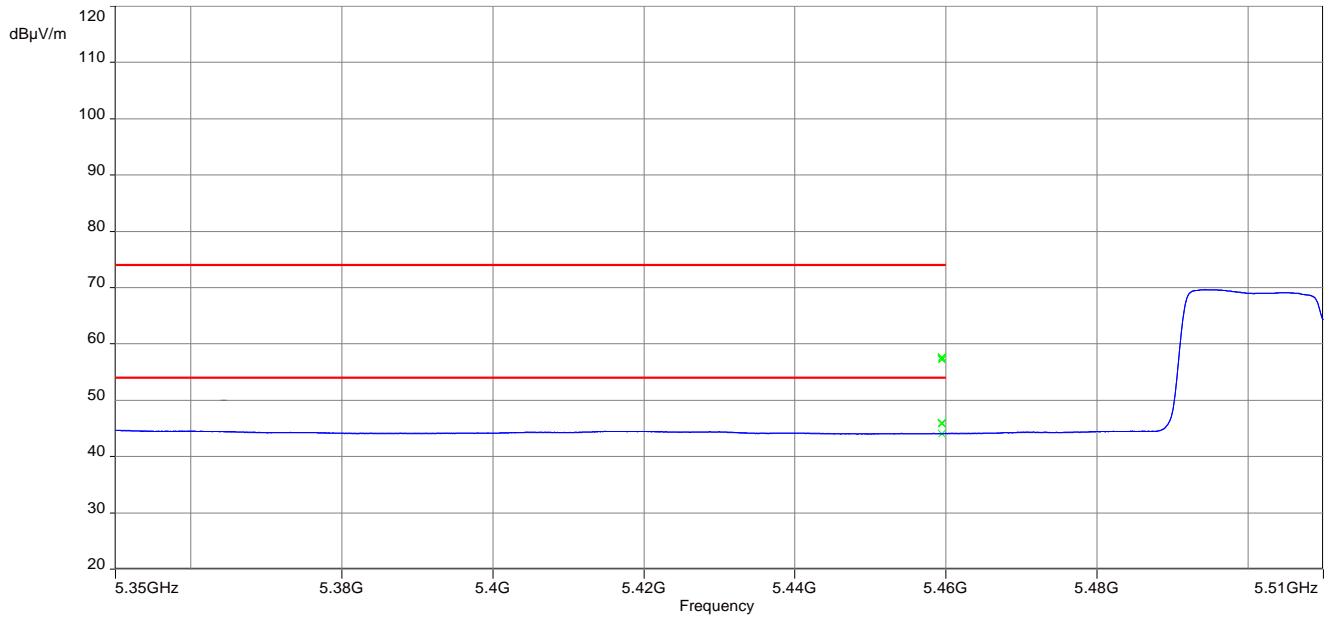
67.7 dBµV/m (peak) / 53.3 dBµV/m (average)

Plot 8: upper band edge; U-NII-2A; highest channel; 40 MHz channel bandwidth, n HT40-mode



65.8 dBµV/m (peak) / 53.6 dBµV/m (average)

Plot 9: lower band edge; U-NII-2C; lowest channel; 40 MHz channel bandwidth, n HT40-mode



11.10 Spurious emissions radiated < 30 MHz

Description:

Measurement of the radiated spurious emissions in transmit mode and receive mode below 30 MHz. The EUT is set first to middle channel. This measurement is representative for all channels and modes. If critical peaks are found the lowest channel and the highest channel will be measured too. Then the EUT is set to receive or idle mode. The limits are recalculated to a measurement distance of 3 m with 40 dB/decade according CFR Part 2.

Measurement:

Measurement parameter	
Detector:	Peak / Quasi Peak
Sweep time:	Auto
Video bandwidth:	F < 150 kHz: 200 Hz F > 150 kHz: 9 kHz
Resolution bandwidth:	F < 150 kHz: 1 kHz F > 150 kHz: 100 kHz
Span:	9 kHz to 30 MHz
Trace mode:	Max Hold
Test setup:	See sub clause 6.2 – B
Measurement uncertainty:	See sub clause 8

Limits:

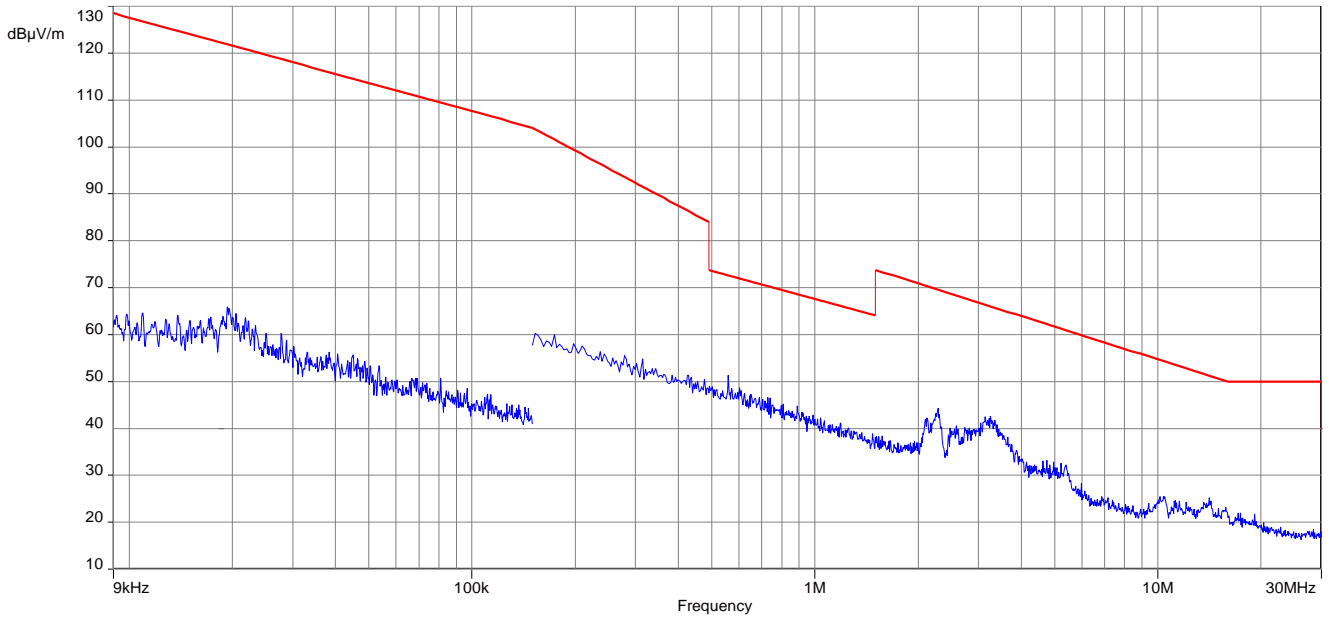
Spurious Emissions Radiated < 30 MHz		
Frequency (MHz)	Field Strength (dBµV/m)	Measurement distance
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Results:

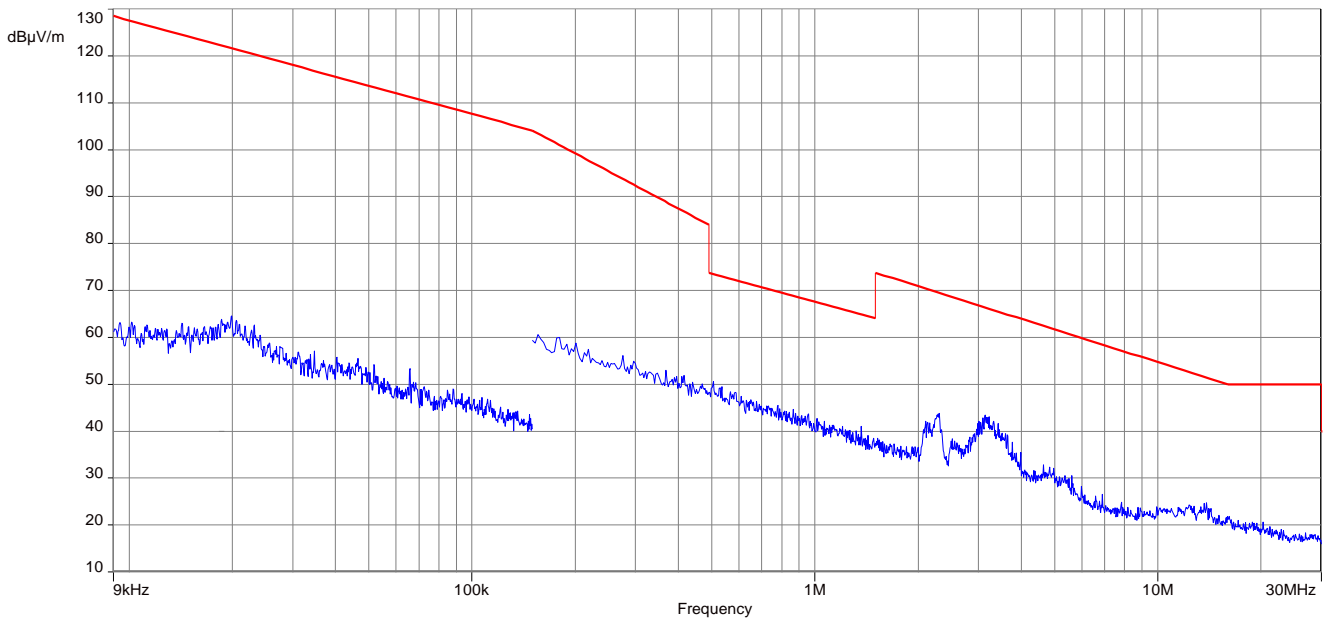
Spurious Emissions Radiated < 30 MHz [dBµV/m]		
F [MHz]	Detector	Level [dBµV/m]
All detected emissions are more than 20 dB below the limit.		

Plots: 20 MHz channel bandwidth

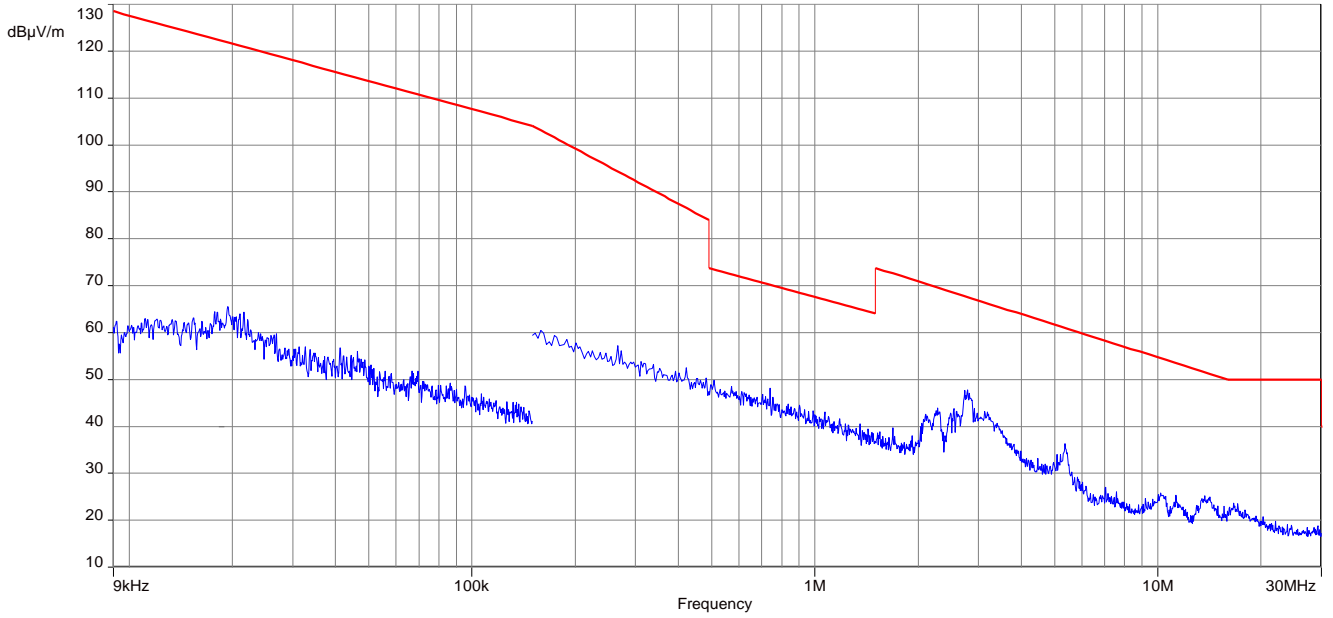
Plot 1: 9 kHz to 30 MHz, U-NII-1; lowest channel



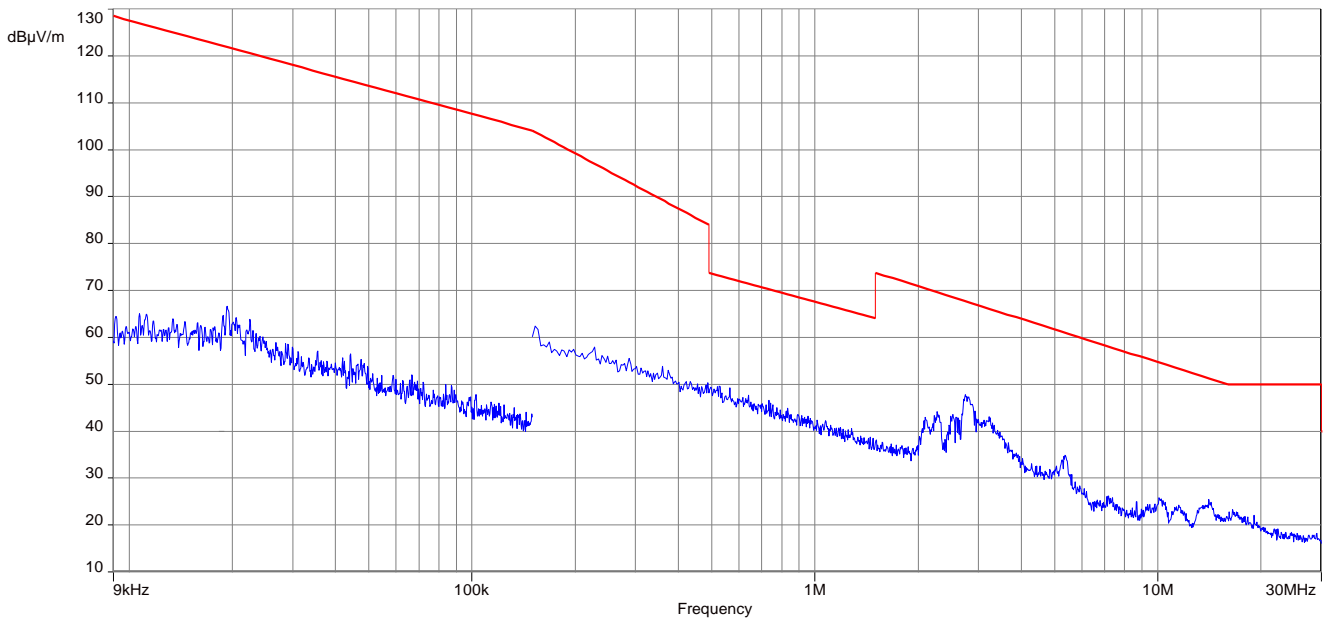
Plot 2: 9 kHz to 30 MHz, U-NII-1; highest channel



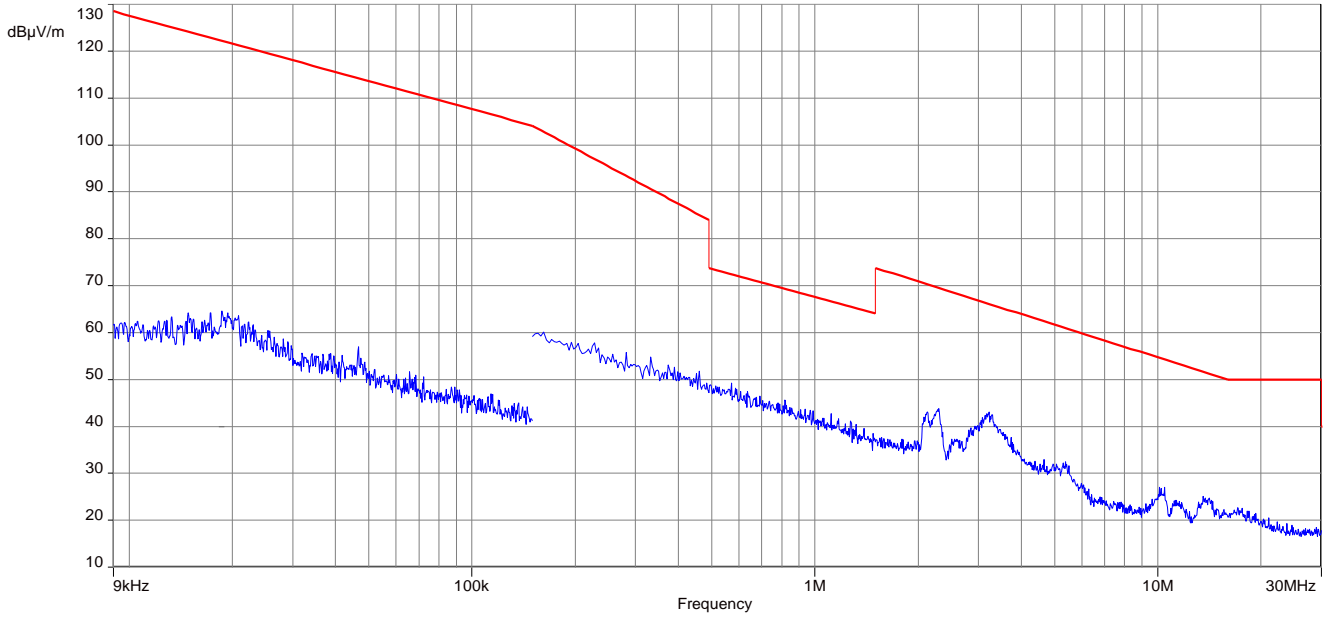
Plot 3: 9 kHz to 30 MHz, U-NII-2A; lowest channel



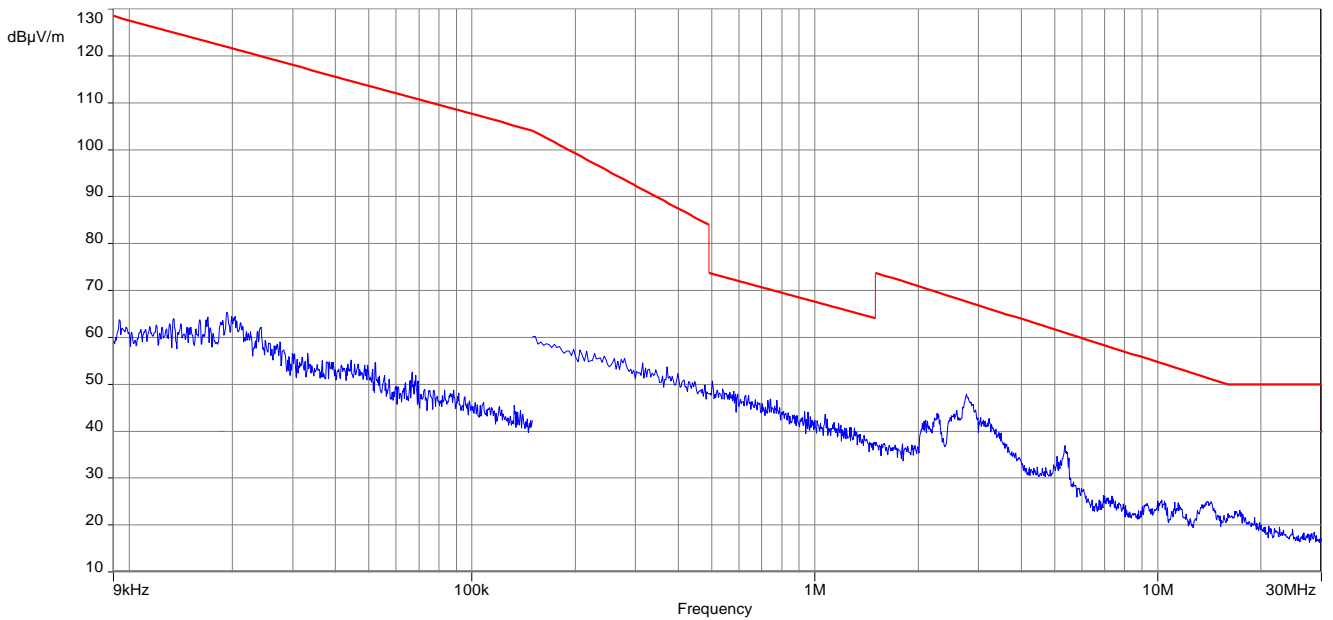
Plot 4: 9 kHz to 30 MHz, U-NII-2A; highest channel



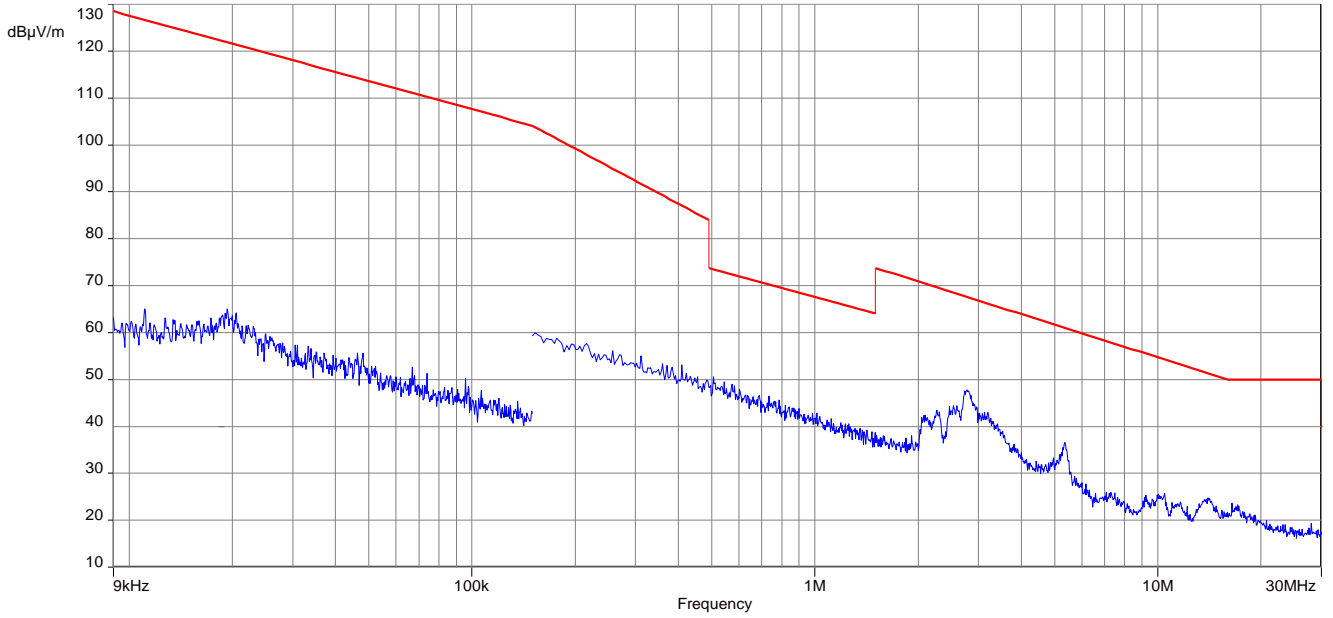
Plot 5: 9 kHz to 30 MHz, U-NII-2C; lowest channel



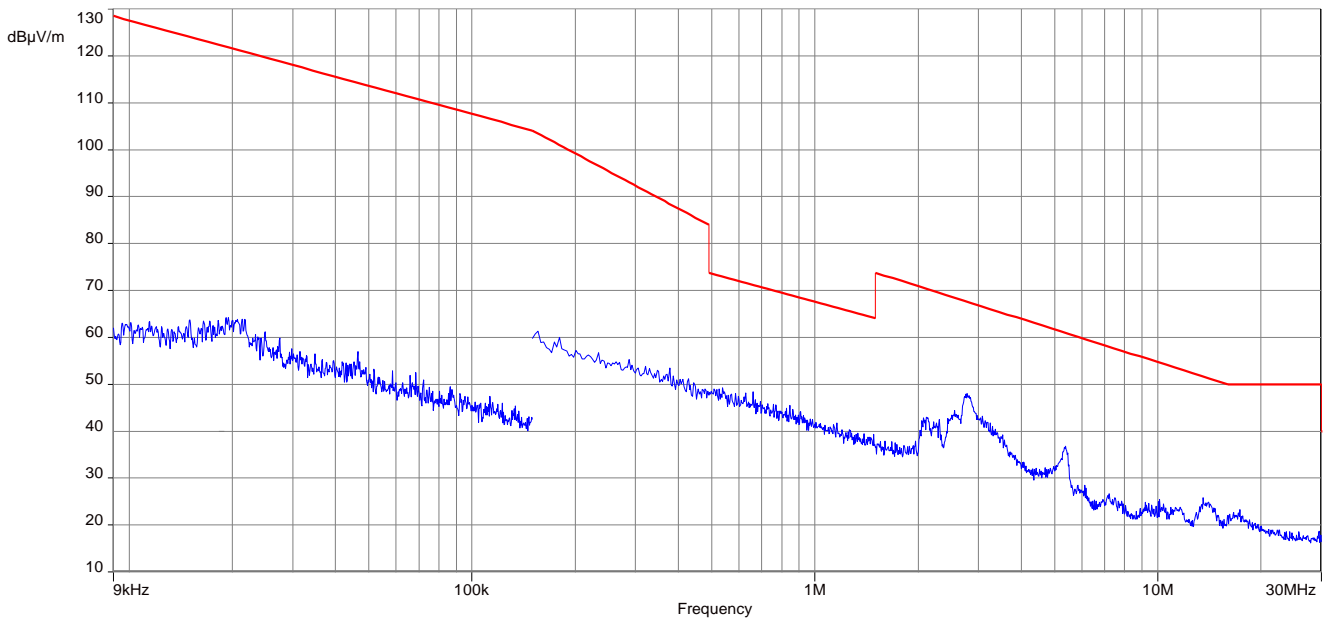
Plot 6: 9 kHz to 30 MHz, U-NII-2C; middle channel



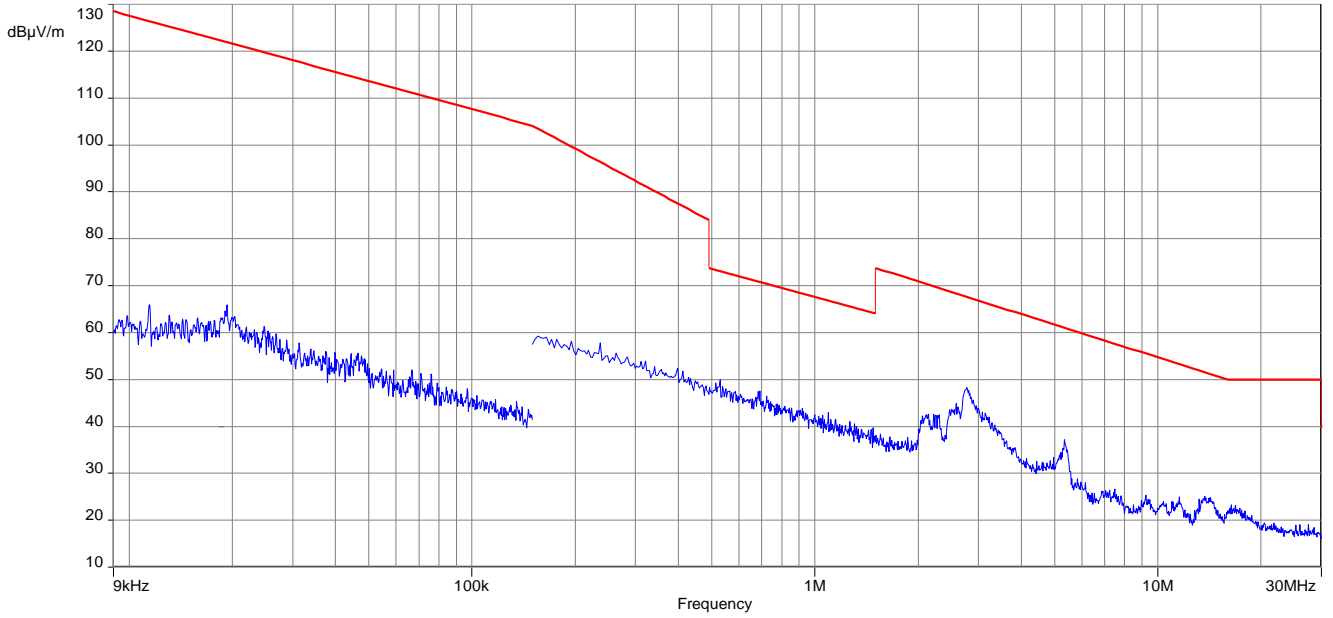
Plot 7: 9 kHz to 30 MHz, U-NII-2C; highest channel



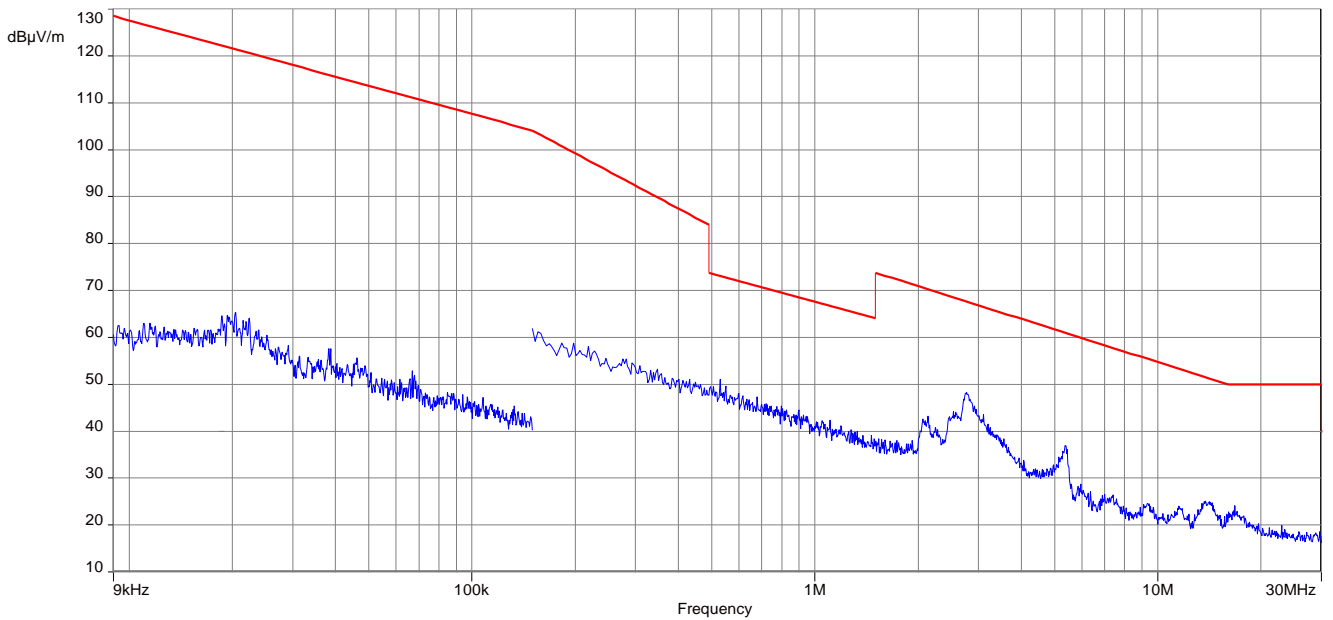
Plot 8: 9 kHz to 30 MHz, U-NII-3; lowest channel



Plot 9: 9 kHz to 30 MHz, U-NII-3; middle channel

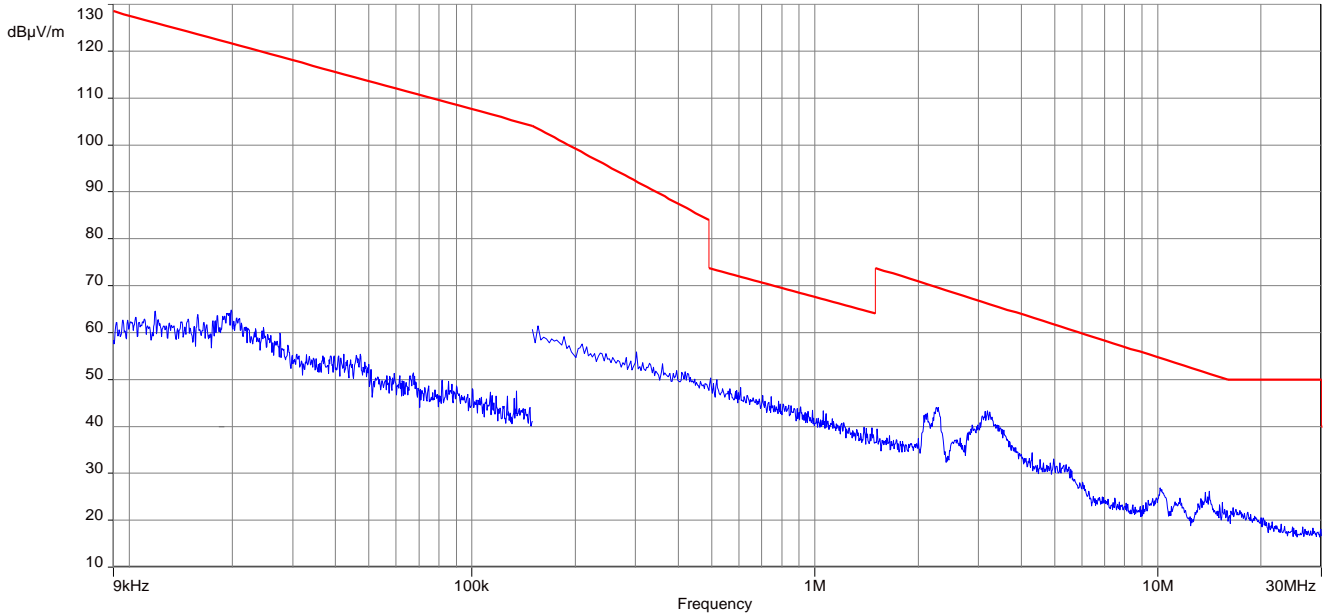


Plot 10: 9 kHz to 30 MHz, U-NII-3; highest channel

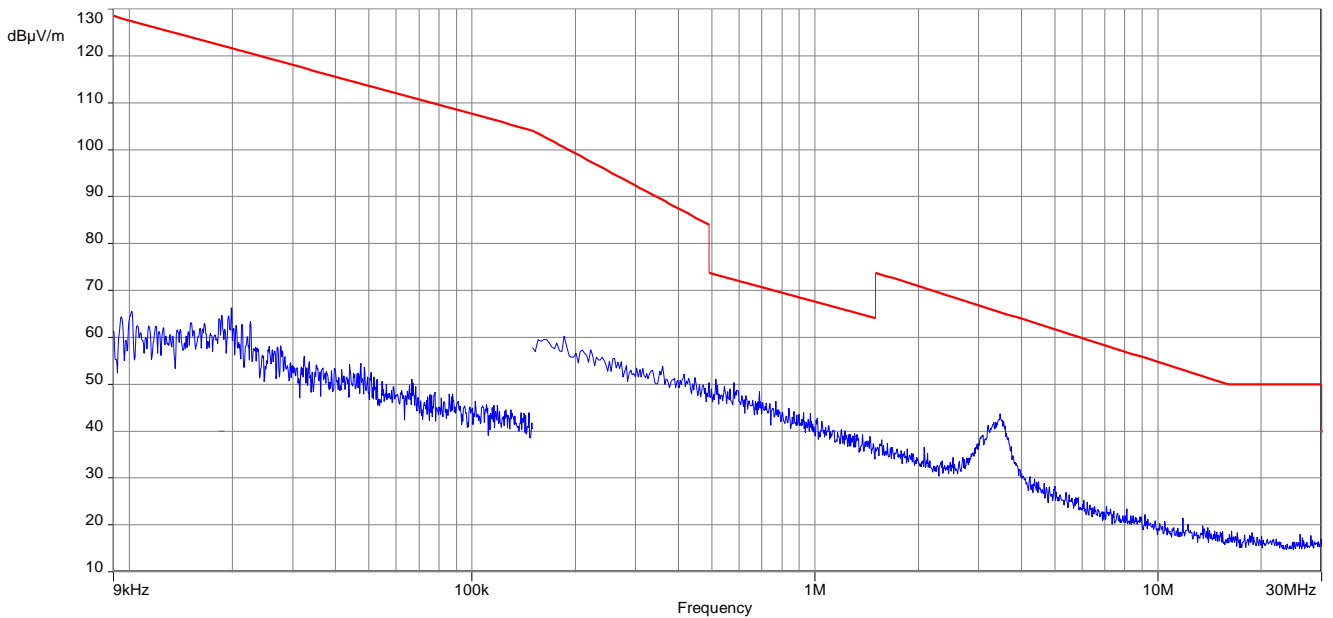


Plots: 40 MHz channel bandwidth

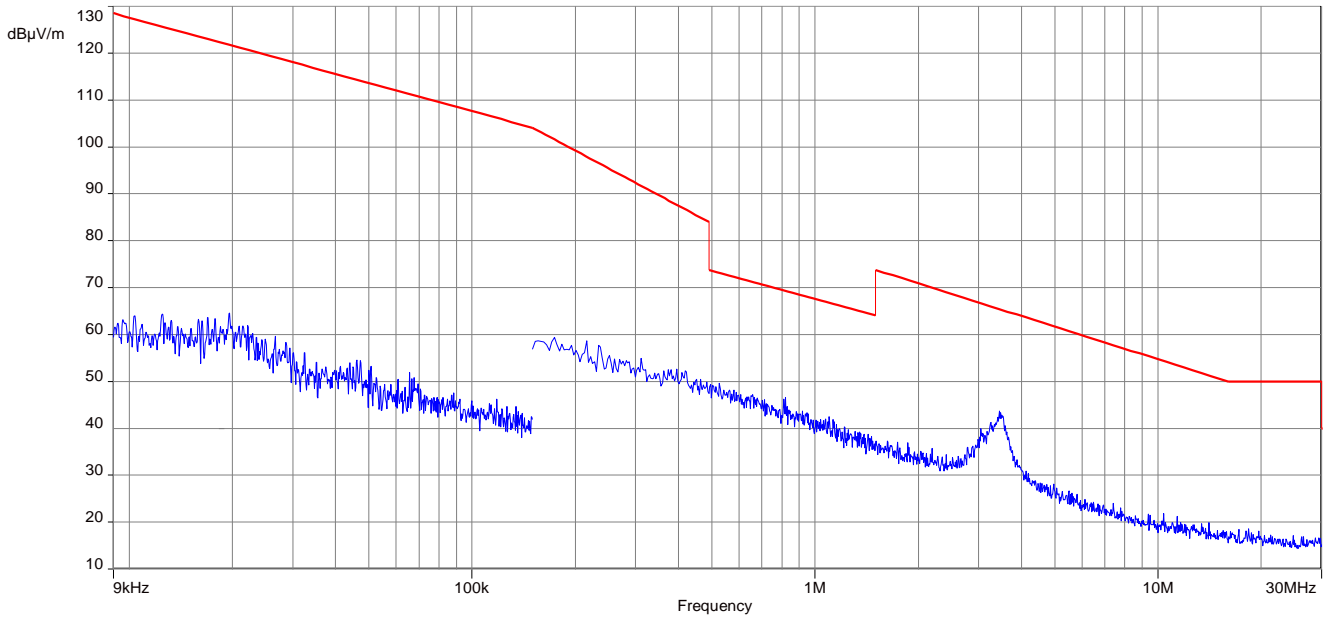
Plot 1: 9 kHz to 30 MHz, U-NII-1; lowest channel



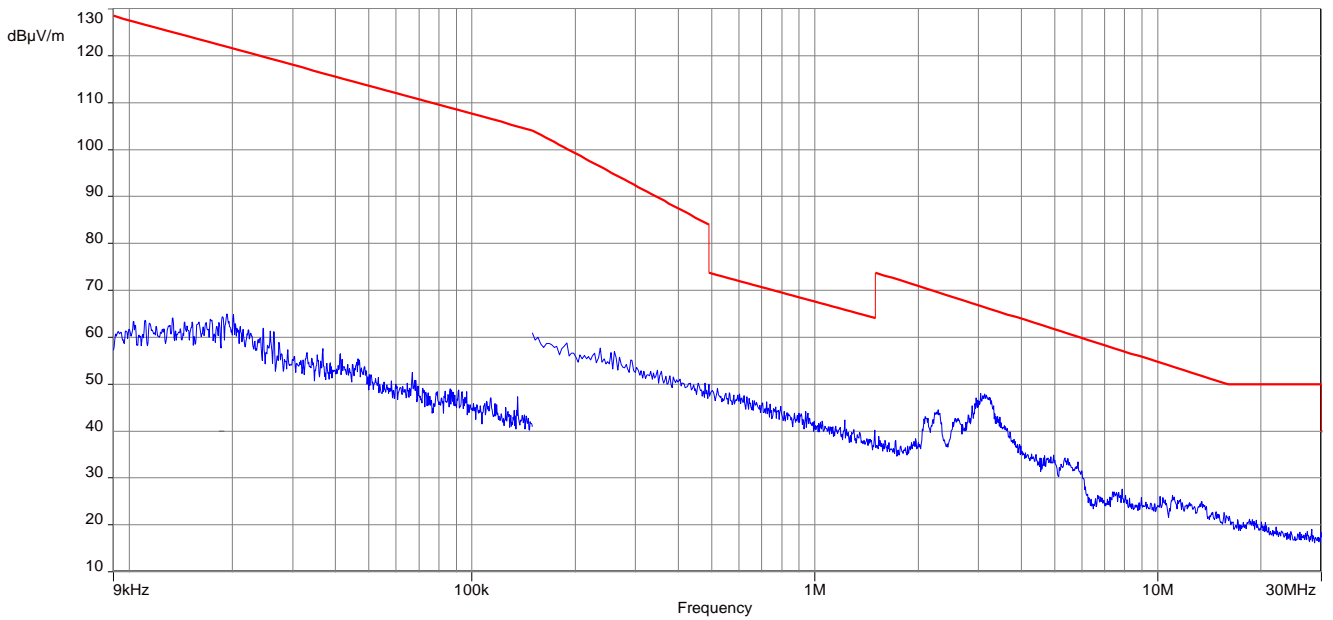
Plot 2: 9 kHz to 30 MHz, U-NII-1; highest channel



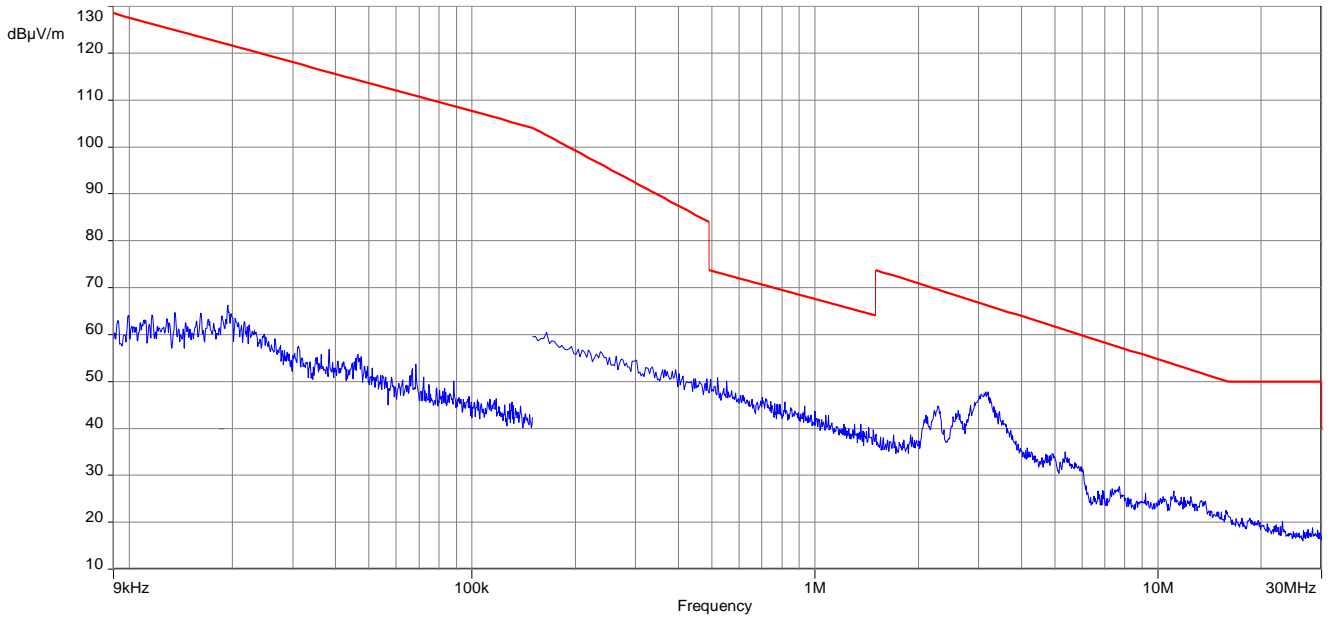
Plot 3: 9 kHz to 30 MHz, U-NII-2A; lowest channel



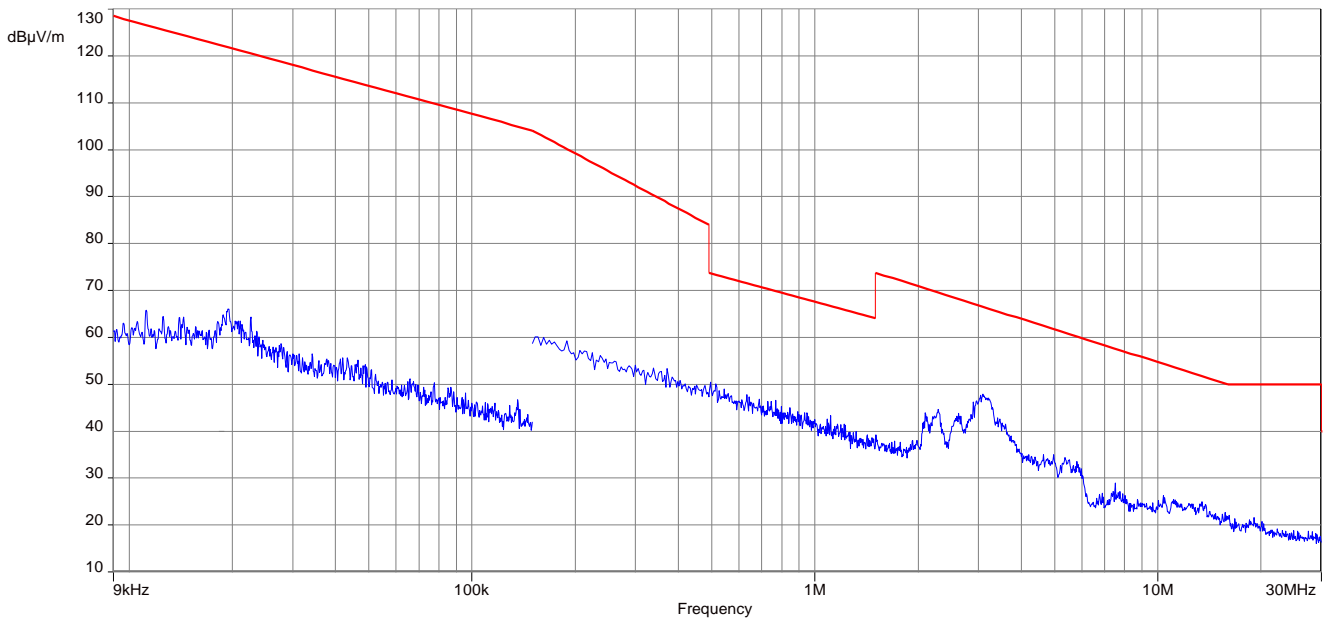
Plot 4: 9 kHz to 30 MHz, U-NII-2A; highest channel



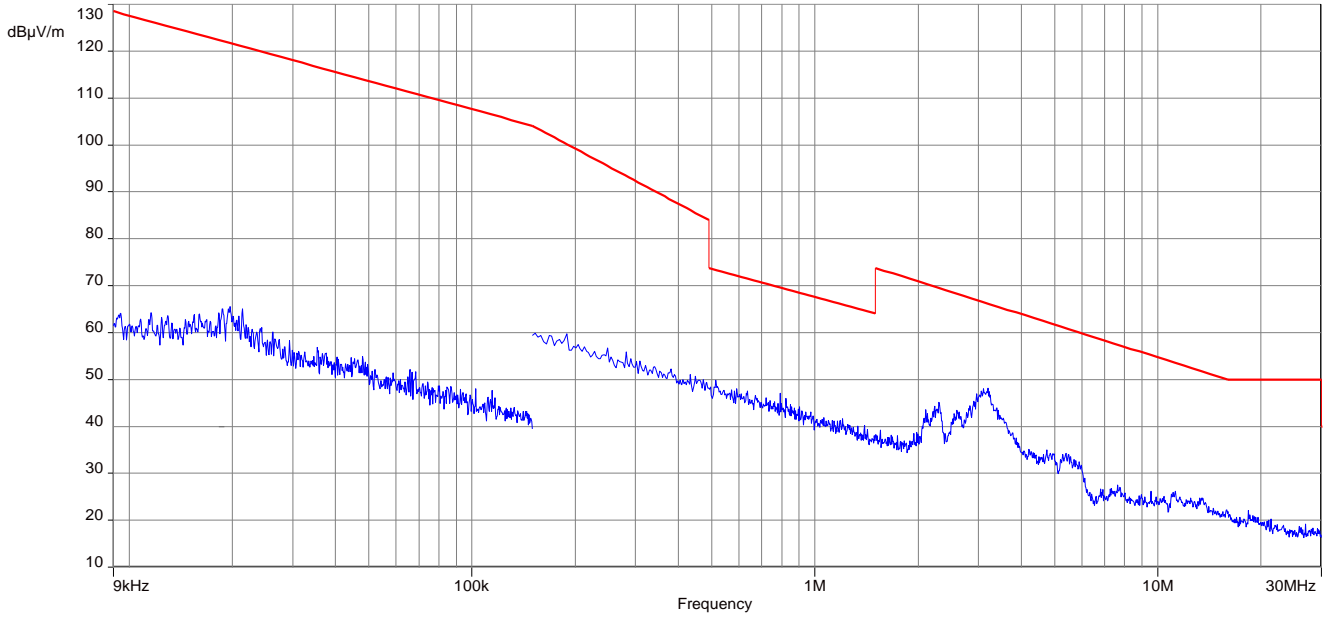
Plot 5: 9 kHz to 30 MHz, U-NII-2C; lowest channel



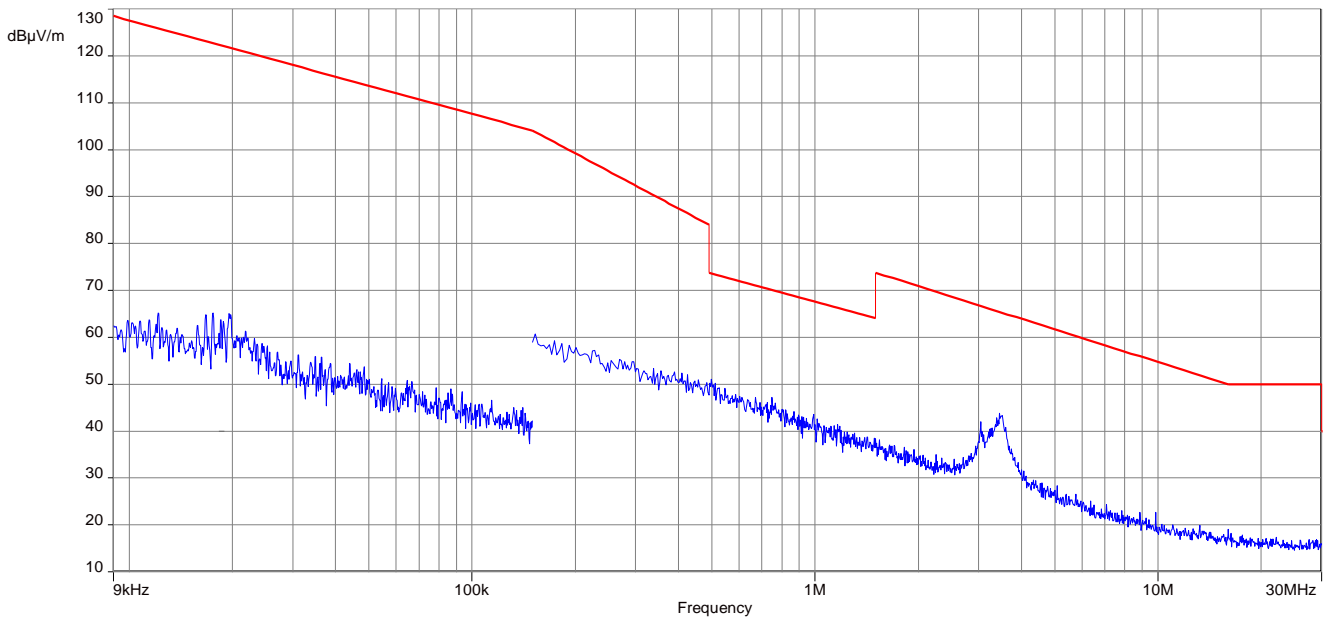
Plot 6: 9 kHz to 30 MHz, U-NII-2C; middle channel



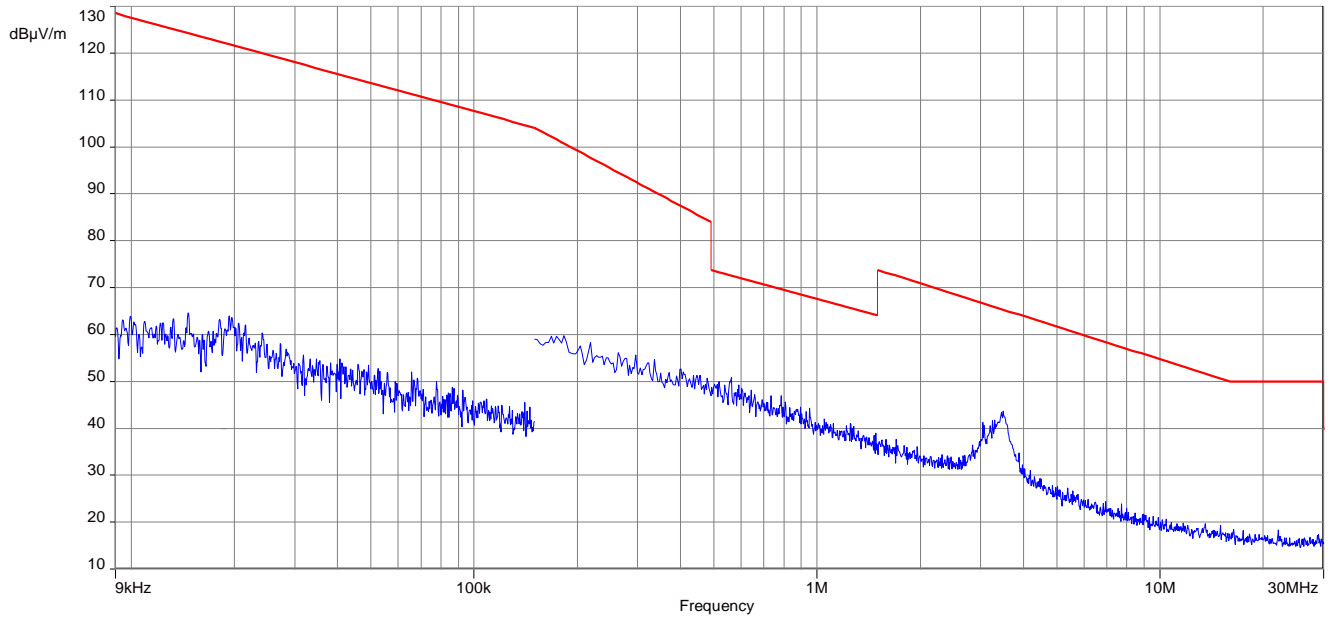
Plot 7: 9 kHz to 30 MHz, U-NII-2C; highest channel



Plot 8: 9 kHz to 30 MHz, U-NII-3; lowest channel



Plot 9: 9 kHz to 30 MHz, U-NII-3; highest channel



11.11 TX spurious emissions radiated

Description:

Measurement of the radiated spurious emissions in transmit mode. The measurement is performed at lowest, middle and highest channel.

Measurement:

Measurement parameter	
Detector:	Quasi Peak below 1 GHz (alternative Peak) Peak above 1 GHz / RMS
Sweep time:	Auto
Resolution bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 1 MHz
Video bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: ≥ 3 MHz / 1 MHz
Span:	30 MHz to 40 GHz
Trace mode:	Max Hold / Average with 100 counts + 20 log (1 / X) for duty cycle lower than 100 %
Test setup:	See sub clause 6.1 – A See sub clause 6.2 – A See sub clause 6.3 – A
Measurement uncertainty:	See sub clause 8

Limits:

TX Spurious Emissions Radiated		
§15.209		
Frequency (MHz)	Field Strength (dBµV/m)	Measurement distance
30 - 88	30.0	10
88 – 216	33.5	10
216 – 960	36.0	10
Above 960	54.0	3
§15.407		
Outside the restricted bands!	-27 dBm / MHz	

Results: 20 MHz channel bandwidth

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-1 (5150 MHz to 5250 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2		Peak		1440	Peak	41.2
	AVG	35.4		AVG			AVG	35.4
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-2A (5250 MHz to 5350 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2		Peak		1440	Peak	41.2
	AVG	35.4		AVG			AVG	35.4
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-2C (5470 MHz to 5725 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2	1440	Peak	41.2	1440	Peak	41.2
	AVG	35.4		AVG	35.4		AVG	35.4
	Peak			Peak		11400	Peak	54.1
	AVG			AVG			AVG	43.8
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-3 (5725 MHz to 5850 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2	1440	Peak	41.2	1440	Peak	41.2
	AVG	35.4		AVG	35.4		AVG	35.4
7660	Peak	50.1		Peak			Peak	
	AVG	44.2		AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

Results: 40 MHz channel bandwidth

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-1 (5150 MHz to 5250 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2		Peak		1440	Peak	41.2
	AVG	35.4		AVG			AVG	35.4
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

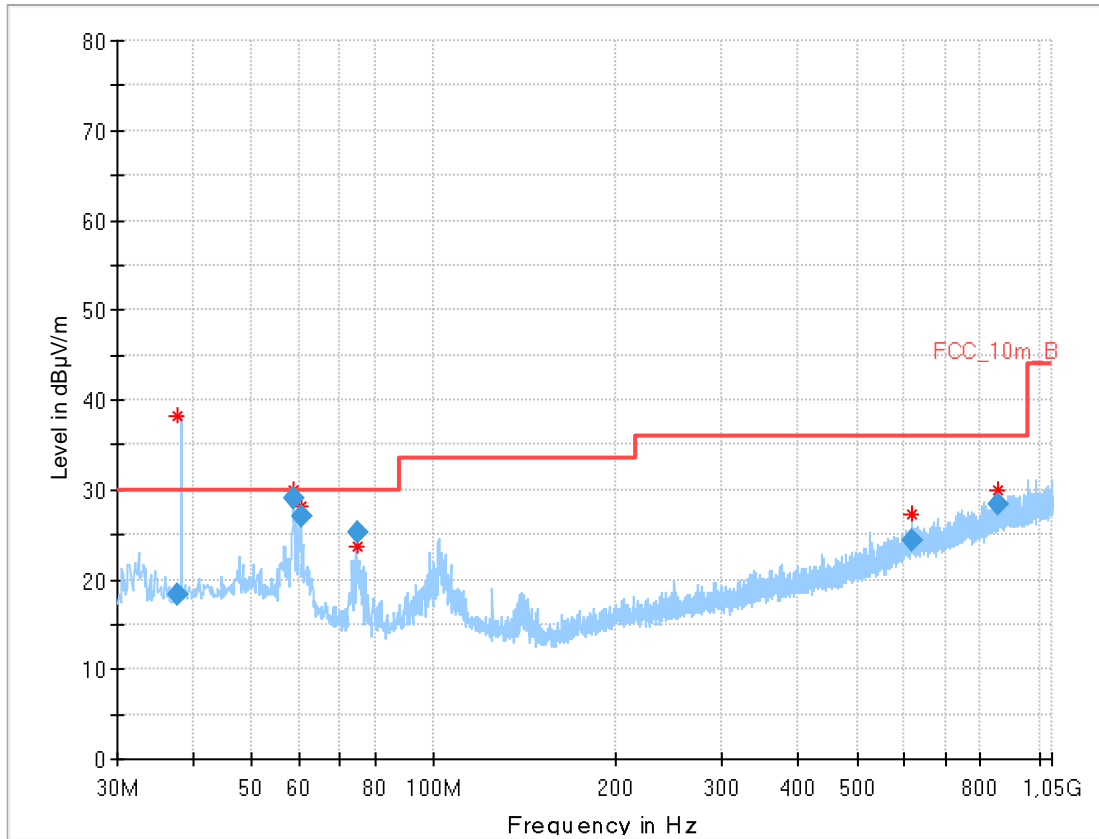
TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-2A (5250 MHz to 5350 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2		Peak		1440	Peak	41.2
	AVG	35.4		AVG			AVG	35.4
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-2C (5470 MHz to 5725 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2	1440	Peak	41.2	1440	Peak	41.2
	AVG	35.4		AVG	35.4		AVG	35.4
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
U-NII-3 (5725 MHz to 5850 MHz)								
Lowest channel			Middle channel			Highest channel		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
1440	Peak	41.2		Peak		1440	Peak	41.2
	AVG	35.4		AVG			AVG	35.4
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

Plots: 20 MHz channel bandwidth

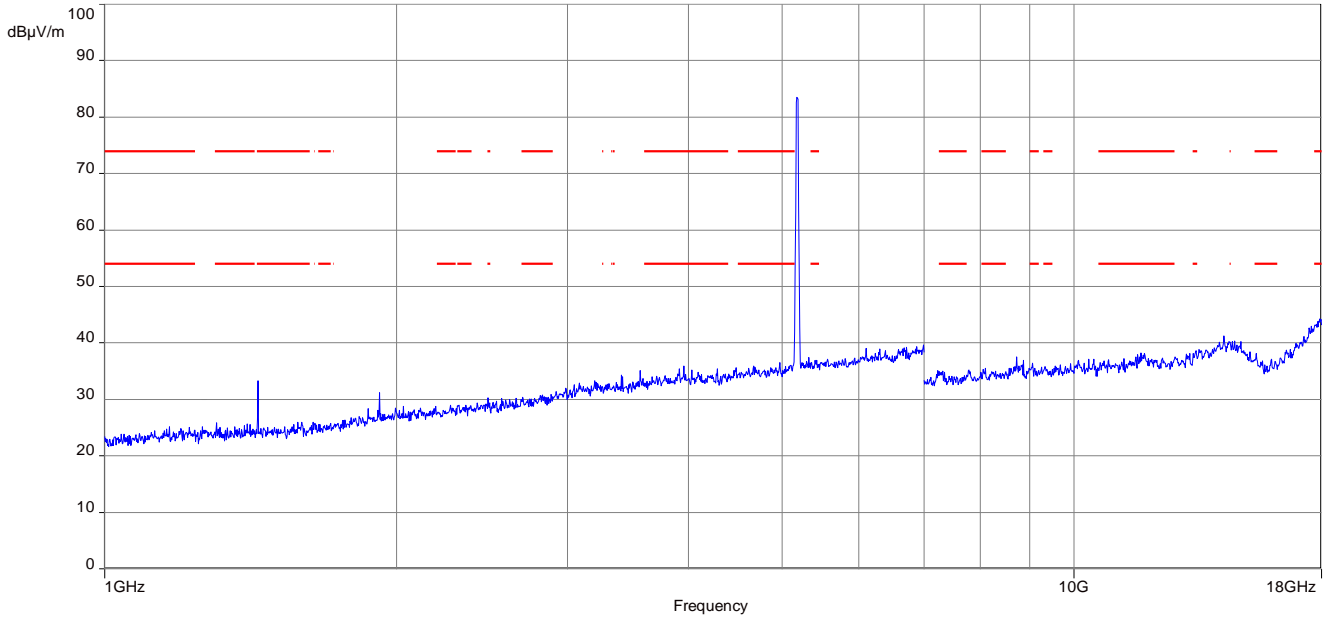
Plot 1: 30 MHz to 1 GHz; vertical & horizontal polarization; U-NII-1; lowest channel



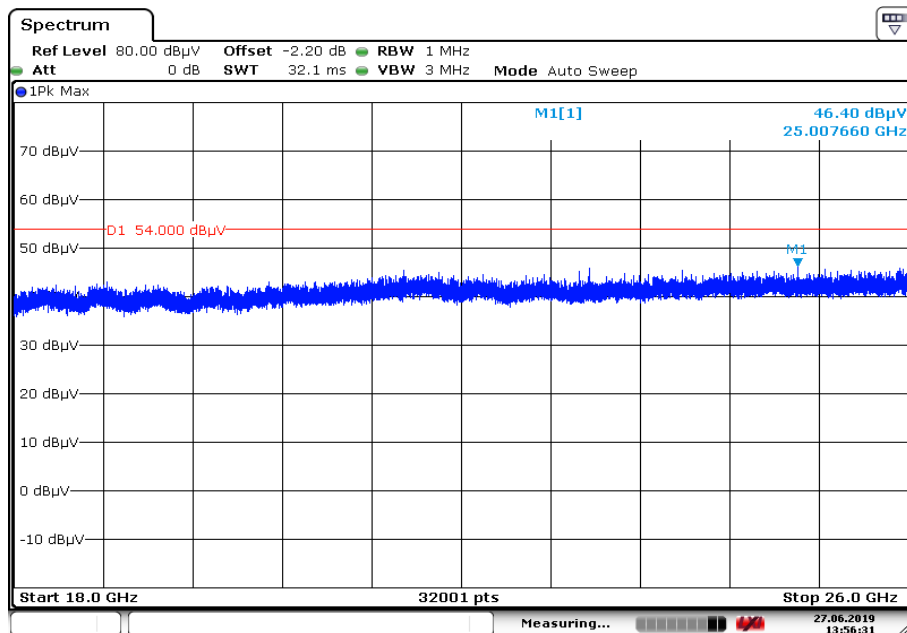
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.814	18.30	30.0	11.70	1000	120	101.0	V	165.0	14
58.712	29.12	30.0	0.88	1000	120	170.0	V	-8.0	13
60.226	27.03	30.0	2.97	1000	120	101.0	V	163.0	13
74.556	25.21	30.0	4.79	1000	120	170.0	V	340.0	11
617.278	24.28	36.0	11.72	1000	120	170.0	H	19.0	21
856.148	28.43	36.0	7.57	1000	120	170.0	H	280.0	23

Plot 2: 1 GHz to 18 GHz; vertical & horizontal polarization; U-NII-1; lowest channel

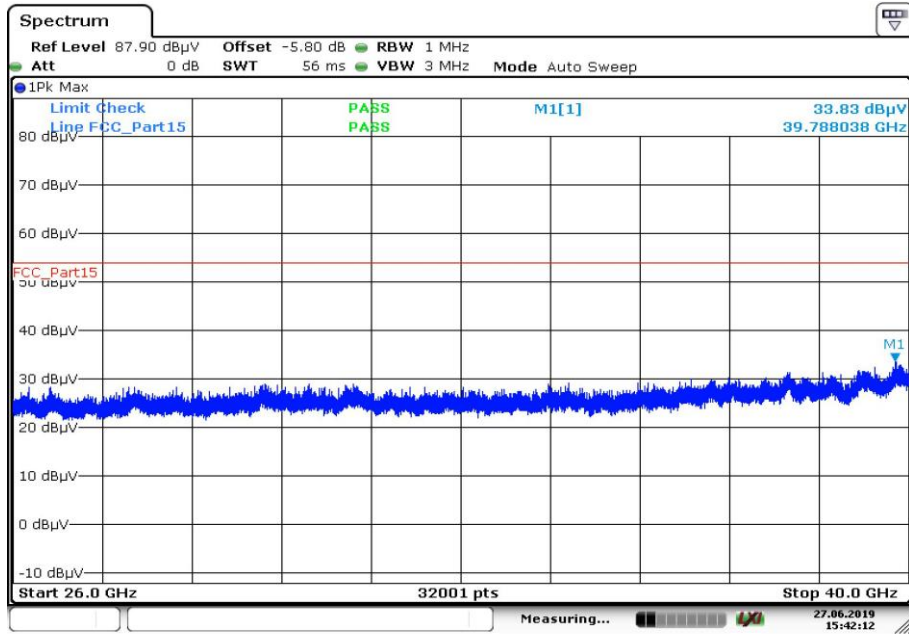


Plot 3: 18 GHz to 26 GHz; vertical & horizontal polarization; U-NII-1; lowest channel



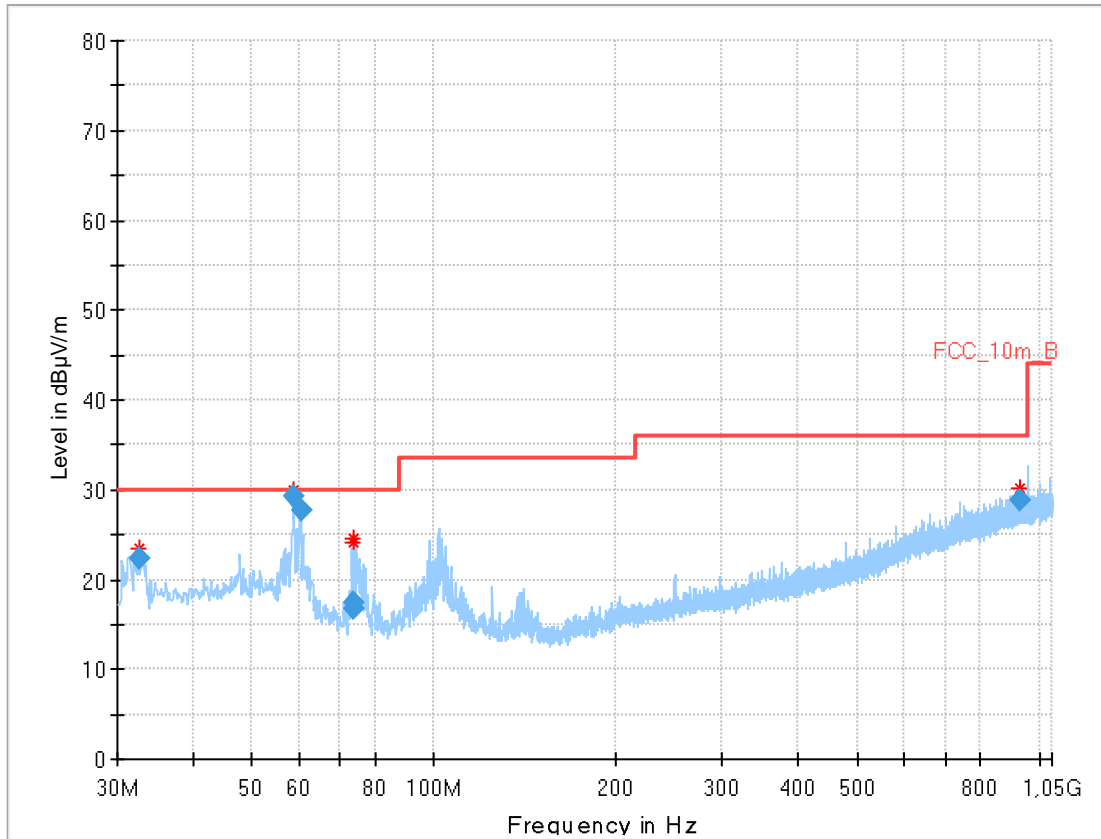
Date: 27 JUN 2019 13:56:31

Plot 4: 26 GHz to 40 GHz; vertical & horizontal polarization; U-NII-1; lowest channel



Date: 27.JUN.2019 15:42:11

Plot 5: 30 MHz to 1 GHz; vertical & horizontal polarization; U-NII-1; highest channel



Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.582	22.26	30.0	7.74	1000	120	101.0	V	338.0	13
58.714	29.28	30.0	0.72	1000	120	170.0	V	2.0	13
60.218	27.64	30.0	2.36	1000	120	101.0	V	28.0	13
73.906	16.83	30.0	13.17	1000	120	101.0	V	0.0	11
73.923	17.51	30.0	12.49	1000	120	170.0	V	0.0	11
927.068	28.90	36.0	7.10	1000	120	170.0	H	107.0	24