

12.5 Power spectral density

Description:

Measurement of the power spectral density of a digital modulated system. The measurement is repeated at the lowest, middle and highest channel.

Measurement:

Measurement parameter	
According to: KDB789033 D02, F.	
Detector:	RMS
Sweep time:	$\geq 10 \cdot (\text{swp points}) \cdot (\text{total on/off time})$
Resolution bandwidth:	1 MHz (500 kHz for 5.8 GHz band)
Video bandwidth:	$\geq 3 \cdot \text{RBW}$
Span:	$> \text{EBW}$
Trace-Mode:	Max hold
Used test setup:	see chapter 7.4 – A
Measurement uncertainty:	see chapter 9

Limits:

Power Spectral Density
FCC power spectral density conducted ≤ 11 dBm in any 1 MHz band (band 5150 – 5250 MHz)* $\rightarrow$ 8dBm power spectral density conducted ≤ 11 dBm in any 1 MHz band (band 5250 – 5350 MHz)* $\rightarrow$ 8dBm power spectral density conducted ≤ 11 dBm in any 1 MHz band (band 5470 – 5725 MHz)* $\rightarrow$ 8dBm power spectral density conducted ≤ 30 dBm in any 500 kHz band (band 5725 – 5850 MHz)* $\rightarrow$ 27dBm IC power spectral density e.i.r.p. ≤ 10 dBm in any 1 MHz band (band 5150 – 5250 MHz) power spectral density conducted ≤ 11 dBm in any 1 MHz band (band 5250 – 5350 MHz)* $\rightarrow$ 8dBm power spectral density conducted ≤ 11 dBm in any 1 MHz band (band 5470 – 5725 MHz)* $\rightarrow$ 8dBm power spectral density conducted ≤ 30 dBm in any 500 kHz band (band 5725 – 5850 MHz)* $\rightarrow$ 27dBm

*limit shall be reduced by 3 dB because of the 9dBi antenna gain.

Results plots for 5150 MHz to 5725 MHz are shown in sub chapter 12.4

Result: antenna port 1

OFDM / a – mode	Power spectral density [dBm/MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor		-0.2	0.9	2.8	2.8
Channel		5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor		2.5	2.7	2.2	-/-
Channel		5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor		-1.9	-1.1	-2.6	-1.2

OFDM / n HT20 – mode	Power spectral density [dBm/MHz]			
Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor	-3.5	-1.4	1.4	2.3
Channel	5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor	3.1	1.4	1.9	-/-
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor	-2.5	-2.1	-1.9	-4.0

OFDM / n HT40 – mode	Power spectral density [dBm/MHz]				
	Channel	5190 MHz	5230 MHz	5270 MHz	5310 MHz
Including duty cycle correction factor		-6.3	-2.1	-2.6	-5.3
Channel		5510 MHz	5550 MHz	5630 MHz	5670 MHz
Including duty cycle correction factor		-4.8	-1.6	-0.2	-0.7
Channel		5755 MHz	5795 MHz	-/-	-/-
Including duty cycle correction factor		-5.2	-6.9	-/-	-/-

Result: antenna port 2

OFDM / a – mode	Power spectral density [dBm/MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor	-0.7	0.5	2.0	2.3	
Channel	5500 MHz	5600 MHz	5700 MHz	-/-	
Including duty cycle correction factor	1.9	3.0	2.5	-/-	
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz	
Including duty cycle correction factor	-1.3	-1.3	-2.9	-1.4	

OFDM / n HT20 – mode	Power spectral density [dBm/MHz]			
Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor	-4.0	-1.6	1.0	2.0
Channel	5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor	2.9	1.6	2.3	-/-
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor	-1.6	-1.8	-1.5	-3.8

OFDM / n HT40 – mode	Power spectral density [dBm/MHz]			
	Channel	5190 MHz	5230 MHz	5270 MHz
Including duty cycle correction factor	-6.2	-2.7	-2.0	-5.4
Channel	5510 MHz	5550 MHz	5630 MHz	5670 MHz
Including duty cycle correction factor	-5.1	-2.1	-0.4	-0.4
Channel	5755 MHz	5795 MHz	-/-	-/-
Including duty cycle correction factor	-4.8	-7.1	-/-	-/-

Result: antenna port 3

OFDM / a – mode	Power spectral density [dBm/MHz]			
	Channel	5180 MHz	5200 MHz	5300 MHz
Including duty cycle correction factor	0.6	1.5	3.6	3.6
Channel	5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor	3.1	3.8	3.0	-/-
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor	-1.3	-0.7	-1.8	-0.5

OFDM / n HT20 – mode	Power spectral density [dBm/MHz]			
	Channel	5180 MHz	5200 MHz	5300 MHz
Including duty cycle correction factor	-2.9	-0.9	1.9	2.9
Channel	5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor	3.6	2.7	2.6	-/-
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor	-1.4	-1.9	-1.0	-3.6

OFDM / n HT40 – mode	Power spectral density [dBm/MHz]			
	Channel	5190 MHz	5210 MHz	5270 MHz
Including duty cycle correction factor	-5.3	-1.3	-1.2	-4.5
Channel	5510 MHz	5550 MHz	5630 MHz	5670 MHz
Including duty cycle correction factor	-4.6	-0.9	0.2	0.2
Channel	5755 MHz	5795 MHz	-/-	-/-
Including duty cycle correction factor	-4.5	-6.2	-/-	-/-

Result: antenna port 1 + antenna port 2

OFDM / a – mode Channel	Power spectral density [dBm/MHz]			
	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor	2.6	3.7	5.5	5.6
Channel	5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor	5.3	5.8	5.4	-/-
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor	1.4	1.8	0.2	1.7

OFDM / n HT20 – mode Channel	Power spectral density [dBm/MHz]			
	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor	-0.7	1.5	4.2	5.2
Channel	5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor	6.0	4.5	5.1	-/-
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor	1.0	1.1	1.3	-0.9

OFDM / n HT40 – mode Channel	Power spectral density [dBm/MHz]			
	5190 MHz	5230 MHz	5270 MHz	5310 MHz
Including duty cycle correction factor	-3.2	0.6	0.7	-2.4
Channel	5510 MHz	5550 MHz	5630 MHz	5670 MHz
Including duty cycle correction factor	-1.9	1.2	2.7	2.5
Channel	5755 MHz	5795 MHz	-/-	-/-
Including duty cycle correction factor	-2.0	-3.9	-/-	-/-

Result: antenna port 1 + antenna port 2 + antenna port 3

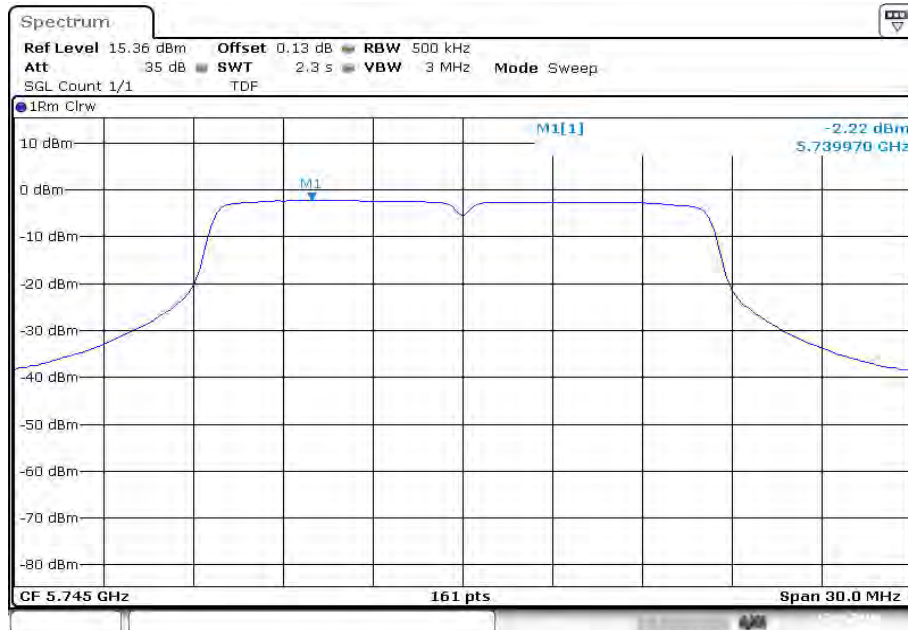
OFDM / a – mode	Power spectral density [dBm/MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor		4.7	5.8	7.6	7.7
Channel		5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor		7.3	8.0	7.3	-/-
Channel		5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor		3.3	3.7	2.4	3.8

OFDM / n HT20 – mode	Power spectral density [dBm/MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
Including duty cycle correction factor		1.3	3.5	6.2	7.2
Channel		5500 MHz	5600 MHz	5700 MHz	-/-
Including duty cycle correction factor		8.0	6.7	7.1	-/-
Channel		5745 MHz	5765 MHz	5805 MHz	5825 MHz
Including duty cycle correction factor		3.0	2.8	3.3	1.0

OFDM / n HT40 – mode	Power spectral density [dBm/MHz]				
	Channel	5190 MHz	5230 MHz	5270 MHz	5310 MHz
Including duty cycle correction factor		-1.1	2.8	2.9	-0.3
Channel		5510 MHz	5550 MHz	5630 MHz	5670 MHz
Including duty cycle correction factor		0.0	3.3	4.6	4.5
Channel		5755 MHz	5795 MHz	-/-	-/-
Including duty cycle correction factor		-0.1	-1.9	-/-	-/-

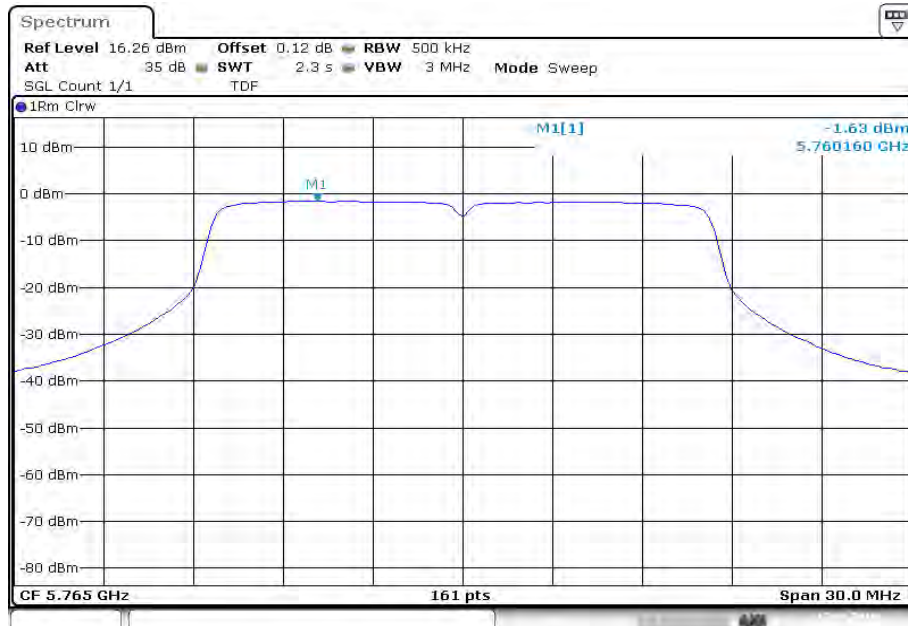
Plots: OFDM / a – mode, antenna port 1

Plot 1: 5745 MHz



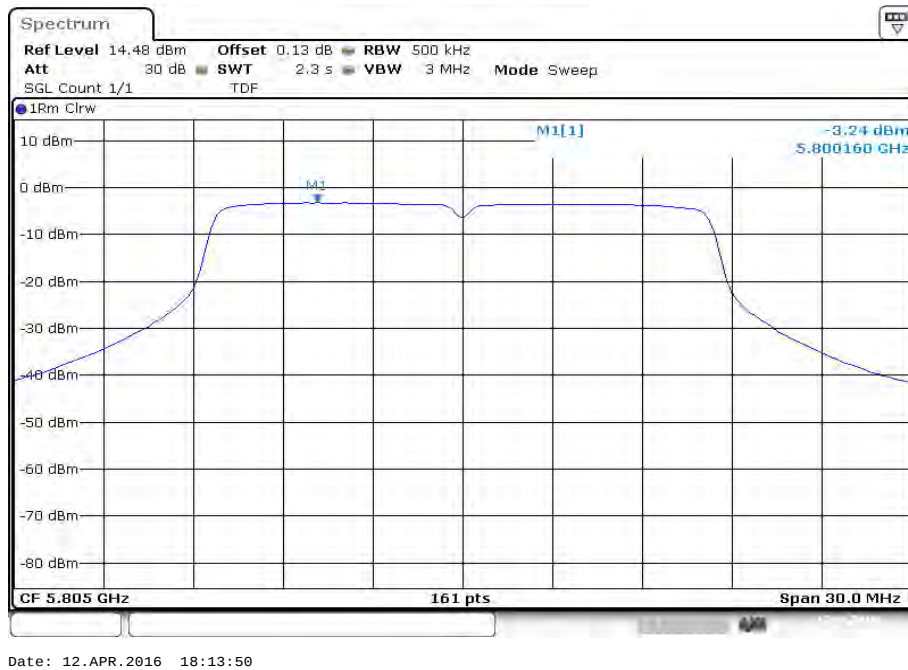
Date: 12.APR.2016 18:09:51

Plot 2: 5765 MHz

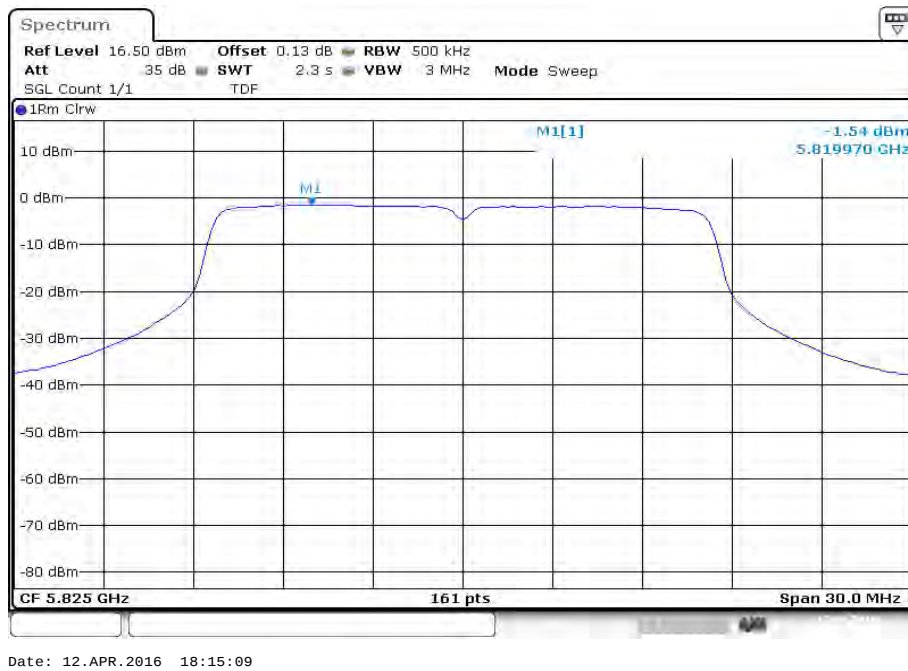


Date: 12.APR.2016 18:11:10

Plot 3: 5805 MHz



Plot 4: 5825 MHz

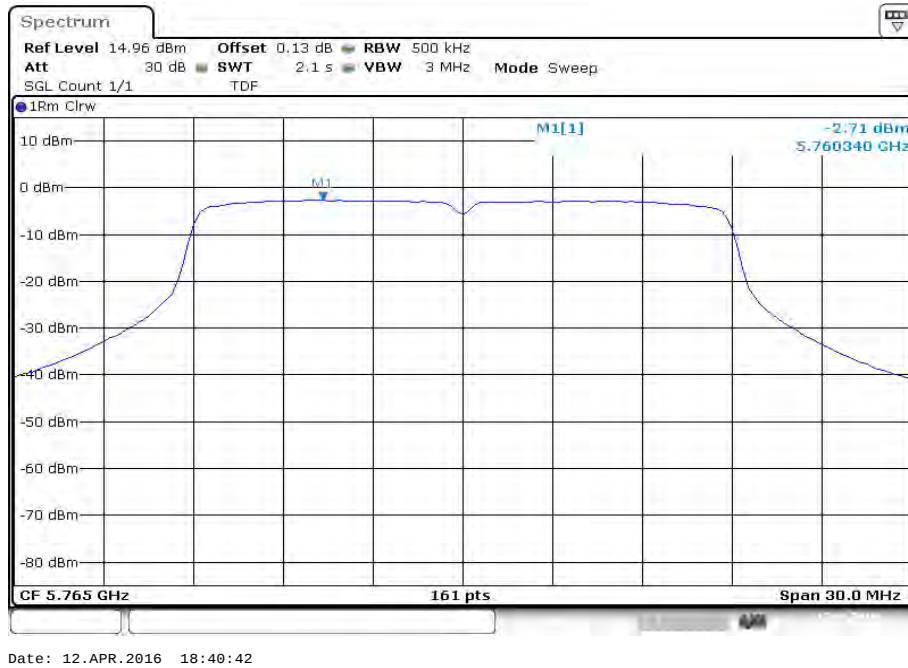


Plots: OFDM / n – mode, antenna port 1

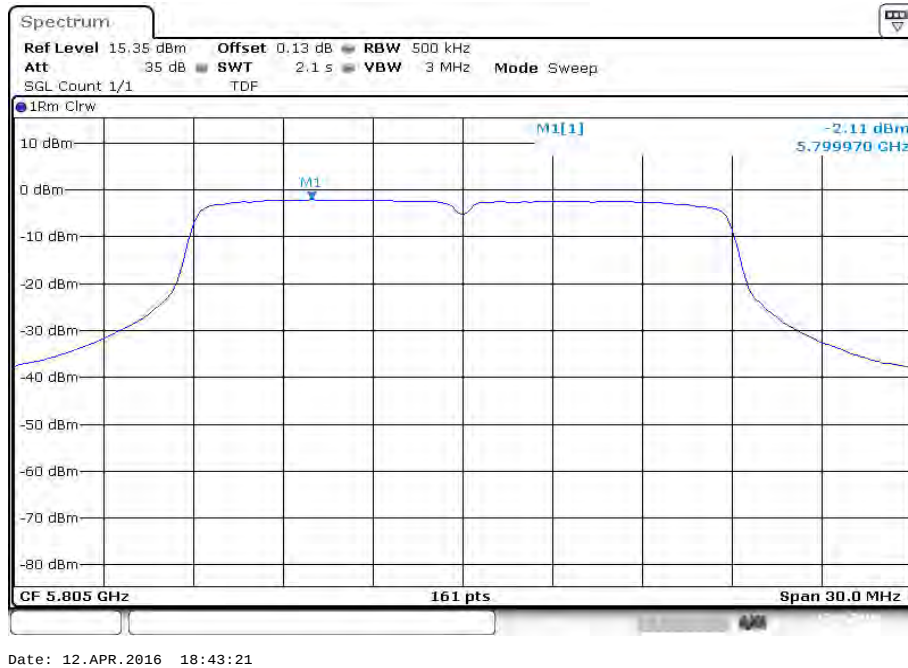
Plot 1: 5745 MHz



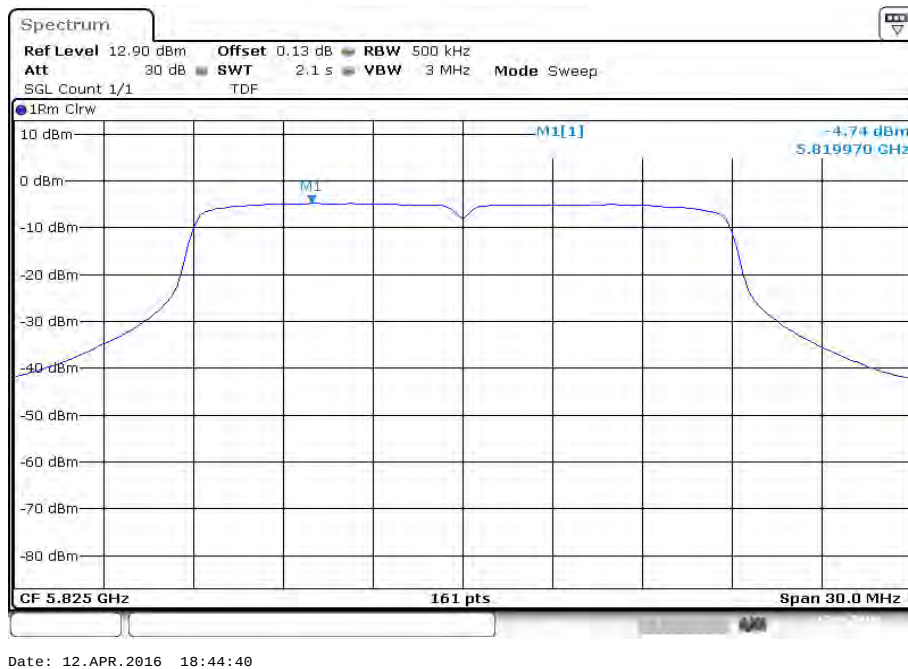
Plot 2: 5765 MHz



Plot 3: 5805 MHz



Plot 4: 5825 MHz



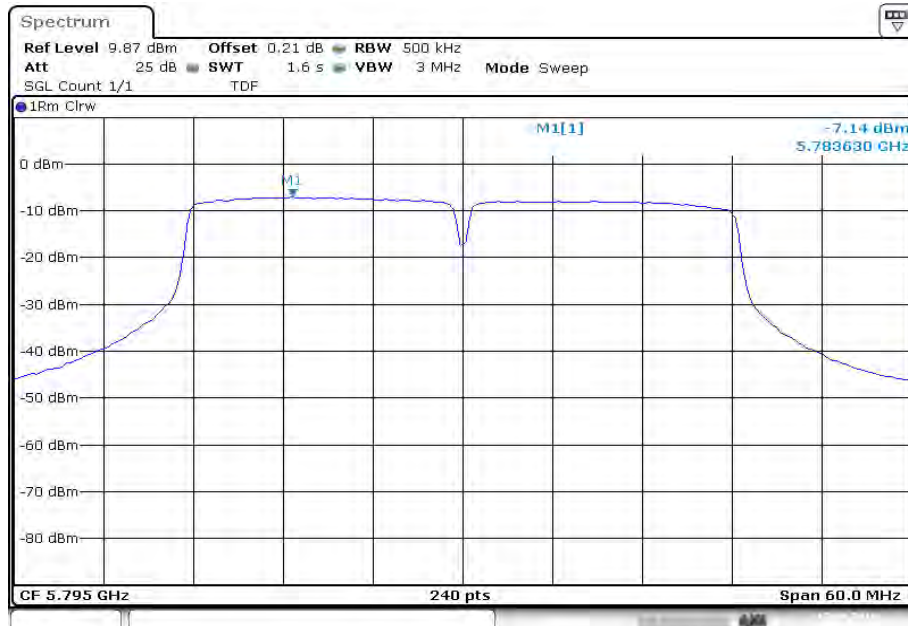
Plots: OFDM / n40 – mode, antenna port 1

Plot 1: 5755 MHz



Date: 12.APR.2016 18:56:34

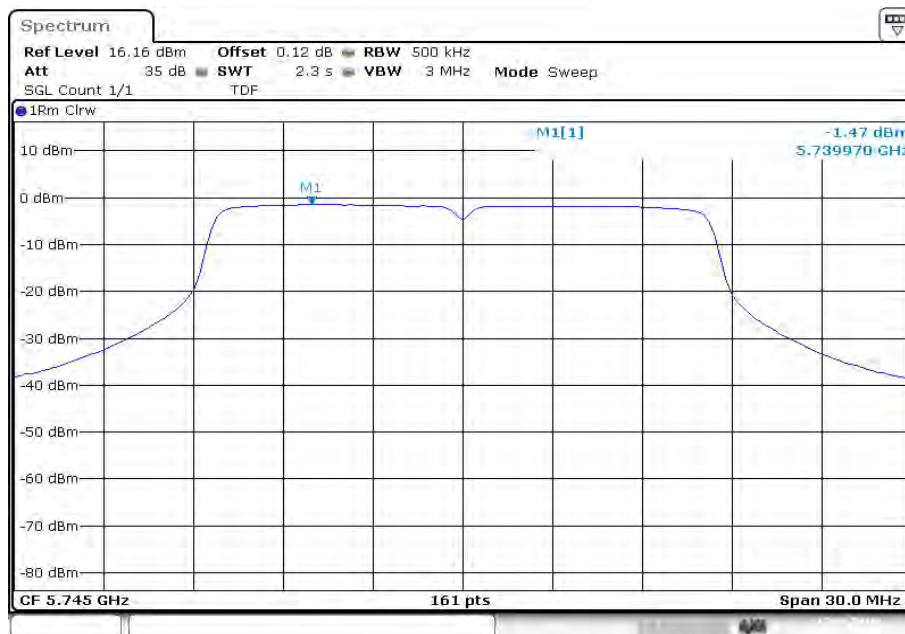
Plot 2: 5795 MHz



Date: 12.APR.2016 18:57:47

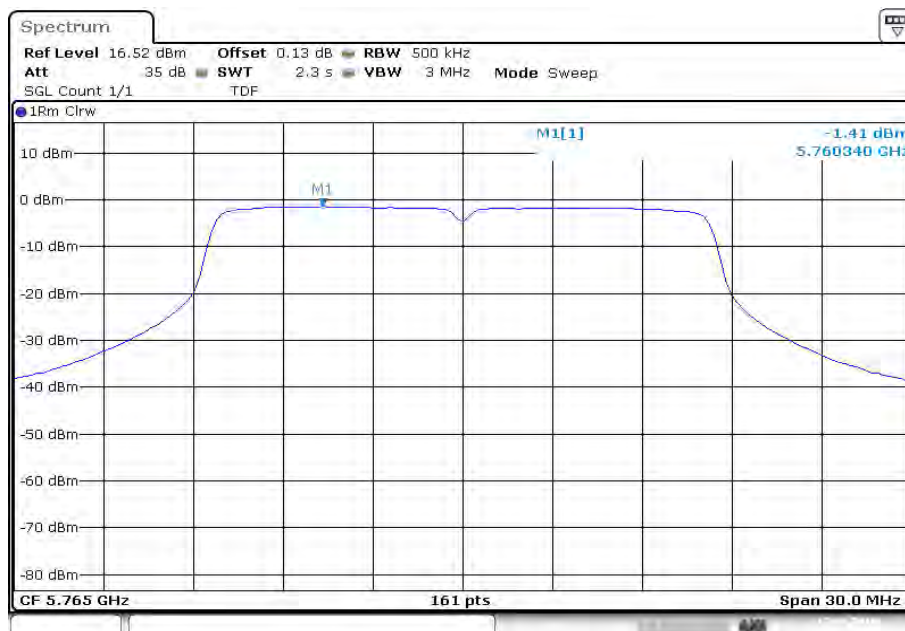
Plots: OFDM / a – mode, antenna port 2

Plot 1: 5745 MHz



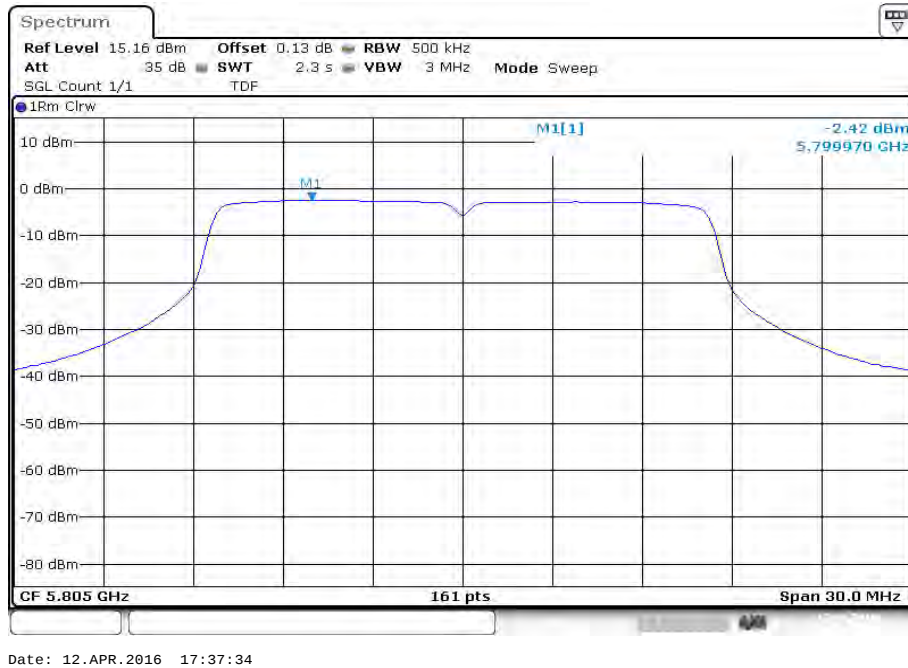
Date: 12.APR.2016 17:33:35

Plot 2: 5765 MHz



Date: 12.APR.2016 17:34:55

Plot 3: 5805 MHz

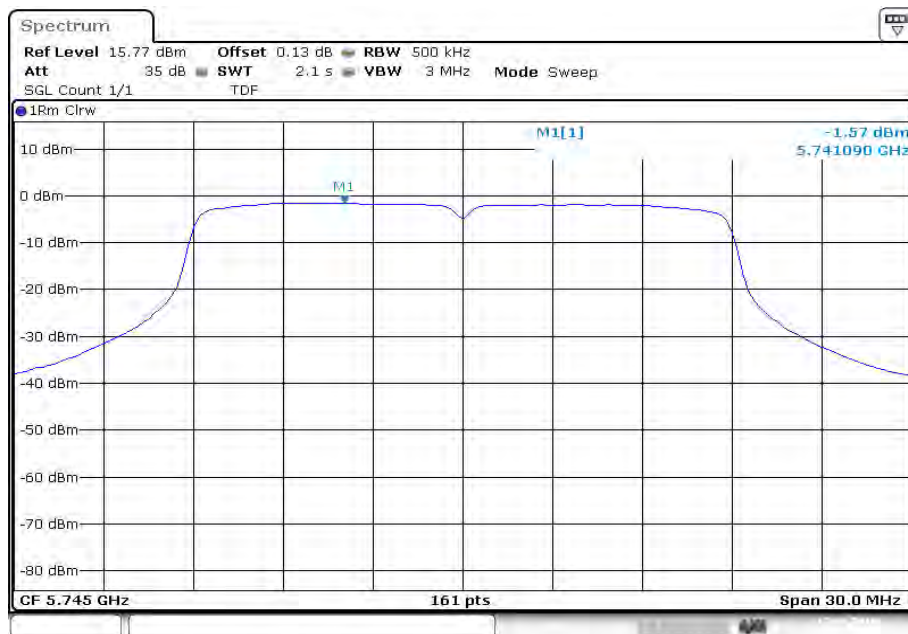


Plot 4: 5825 MHz



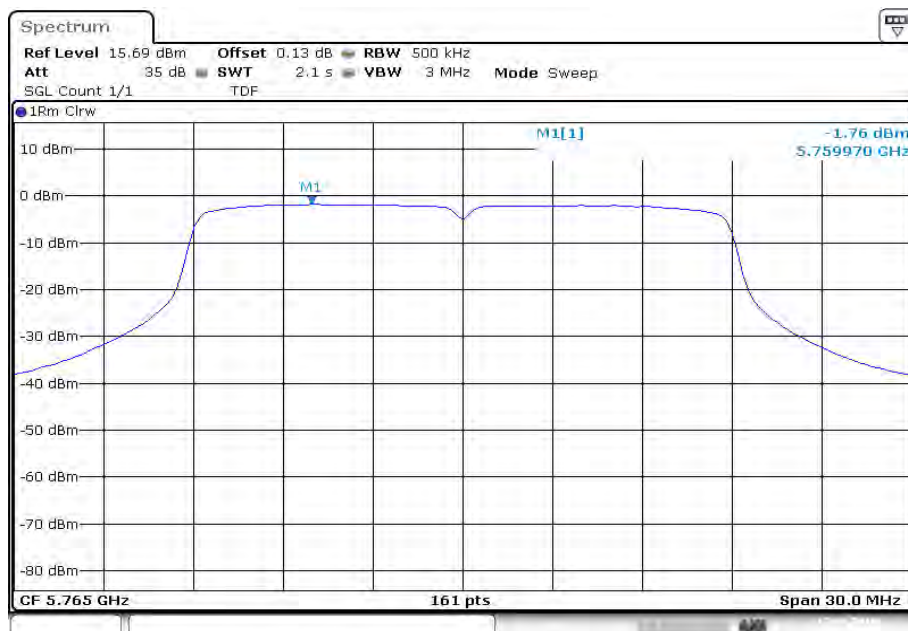
Plots: OFDM / n – mode, antenna port 2

Plot 1: 5745 MHz



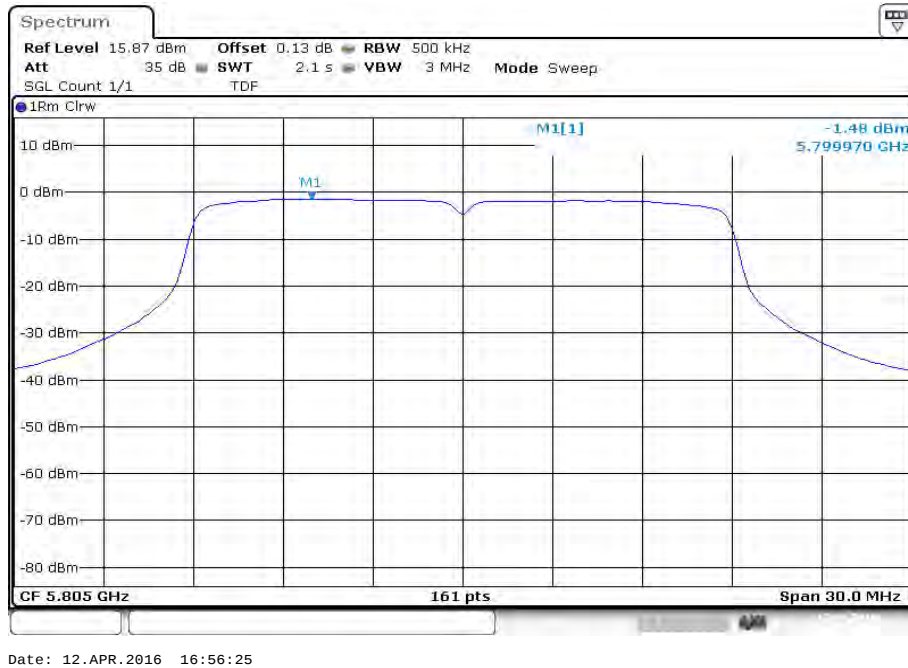
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Plot 2: 5765 MHz

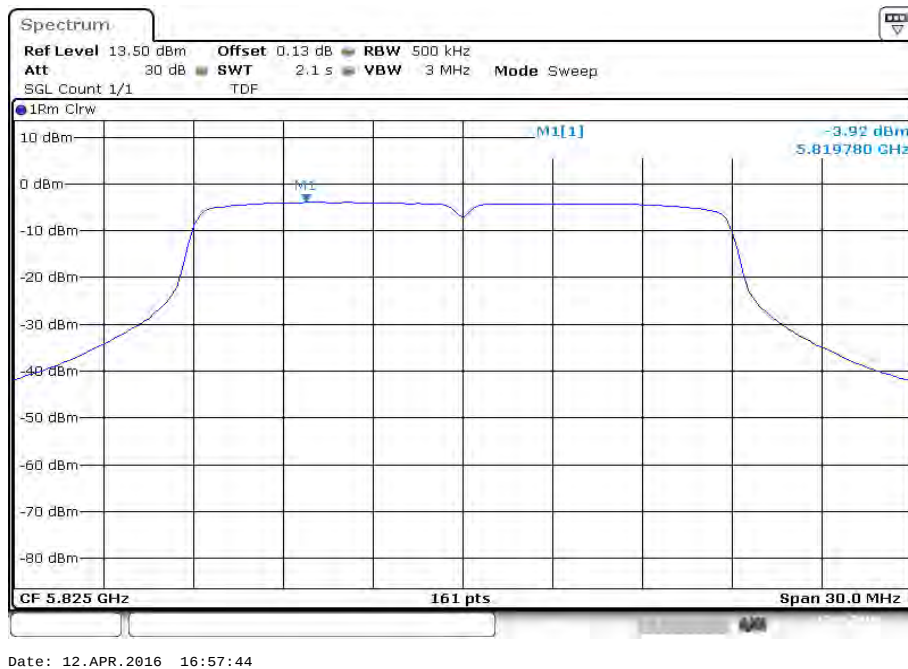


Date: 12.APR.2016 16:53:46

Plot 3: 5805 MHz

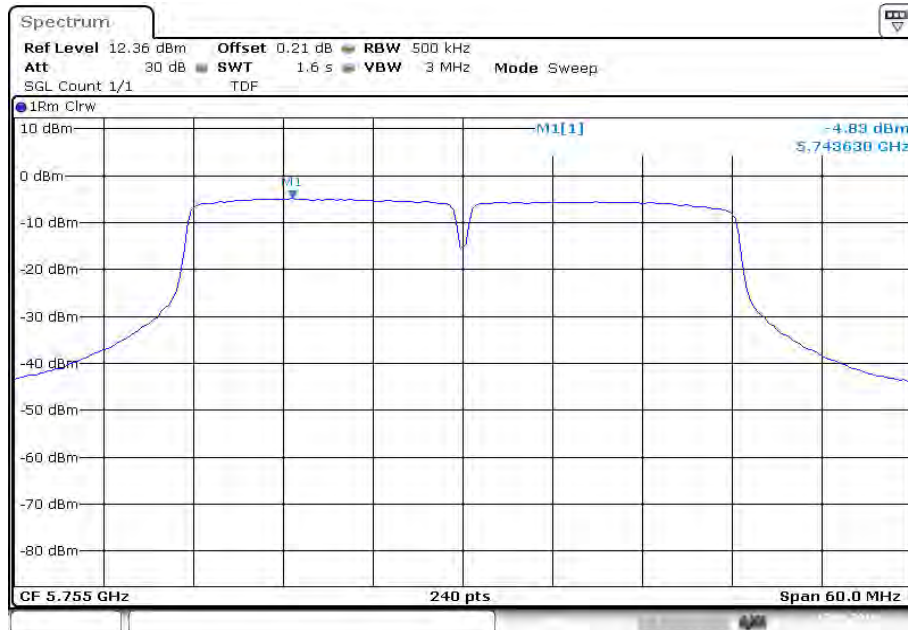


Plot 4: 5825 MHz



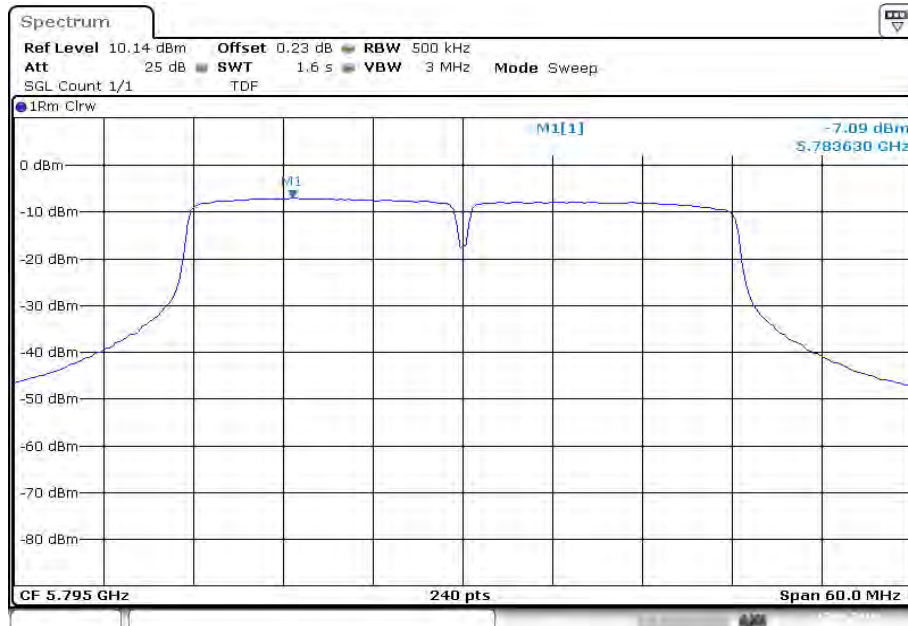
Plots: OFDM / n40 – mode, antenna port 2

Plot 1: 5755 MHz



Date: 12.APR.2016 17:09:28

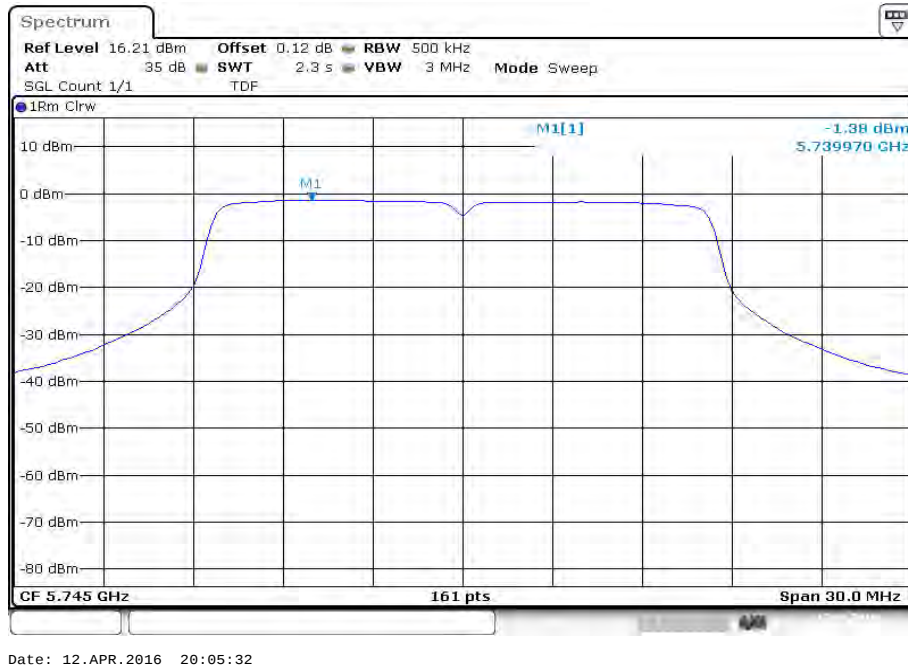
Plot 2: 5795 MHz



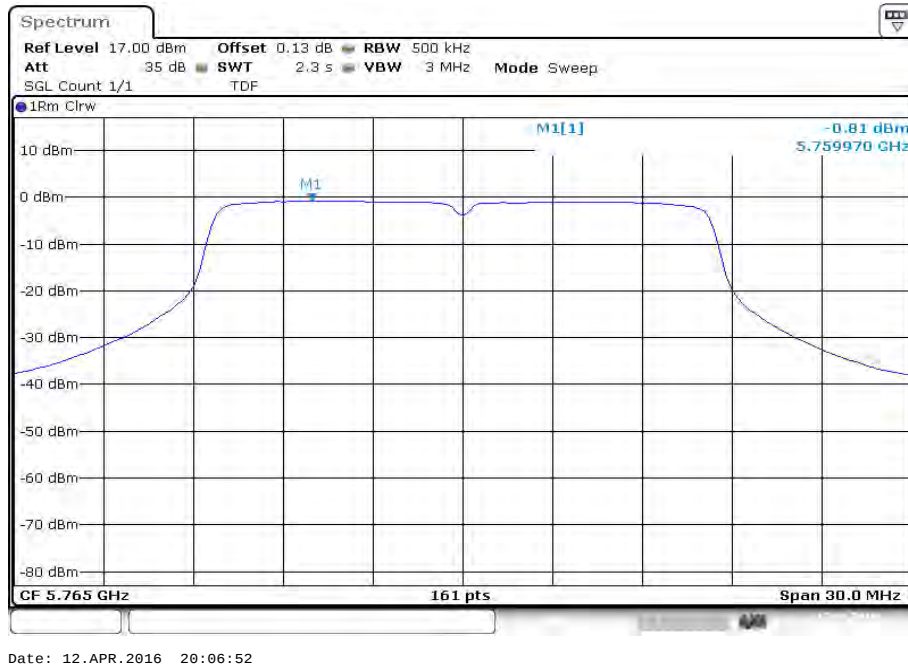
Date: 12.APR.2016 17:10:41

Plots: OFDM / a – mode, antenna port 3

Plot 1: 5745 MHz



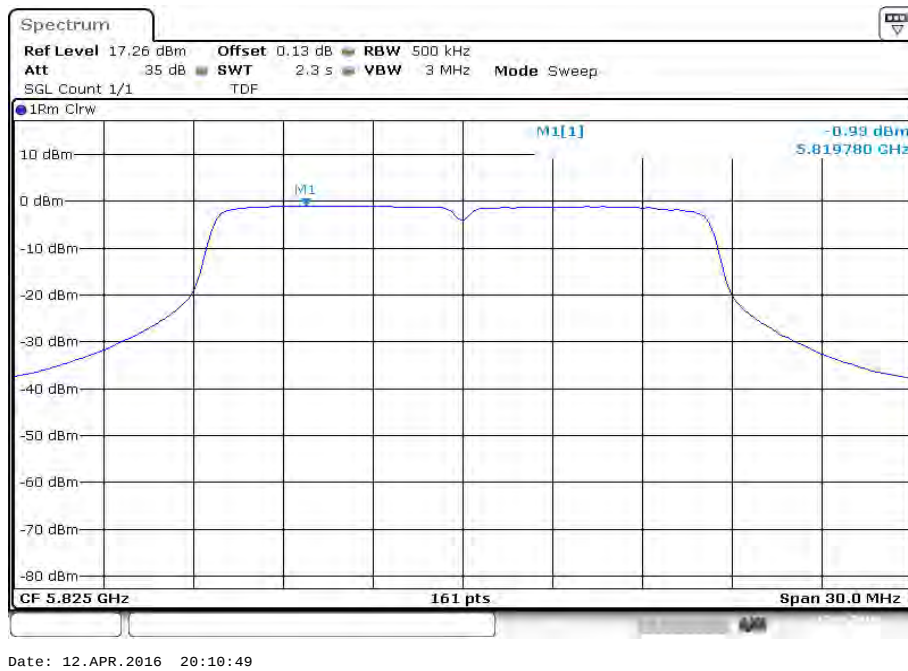
Plot 2: 5765 MHz



Plot 3: 5805 MHz

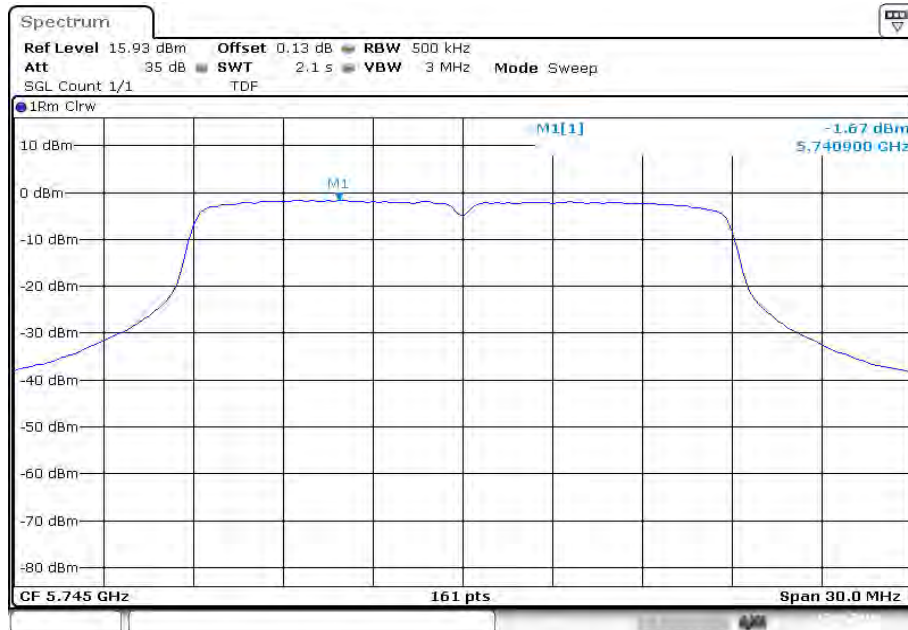


Plot 4: 5825 MHz



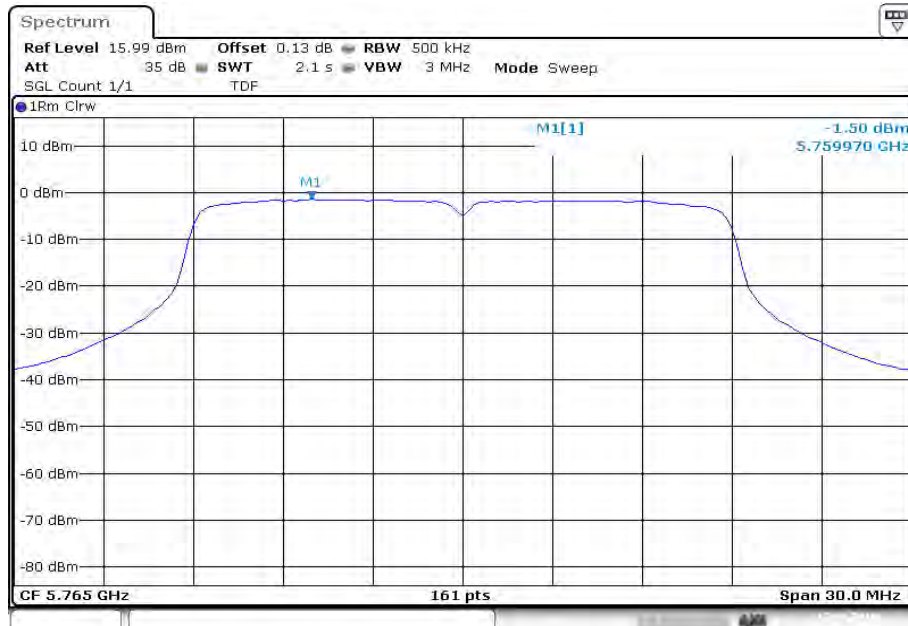
Plots: OFDM / n – mode, antenna port 3

Plot 1: 5745 MHz



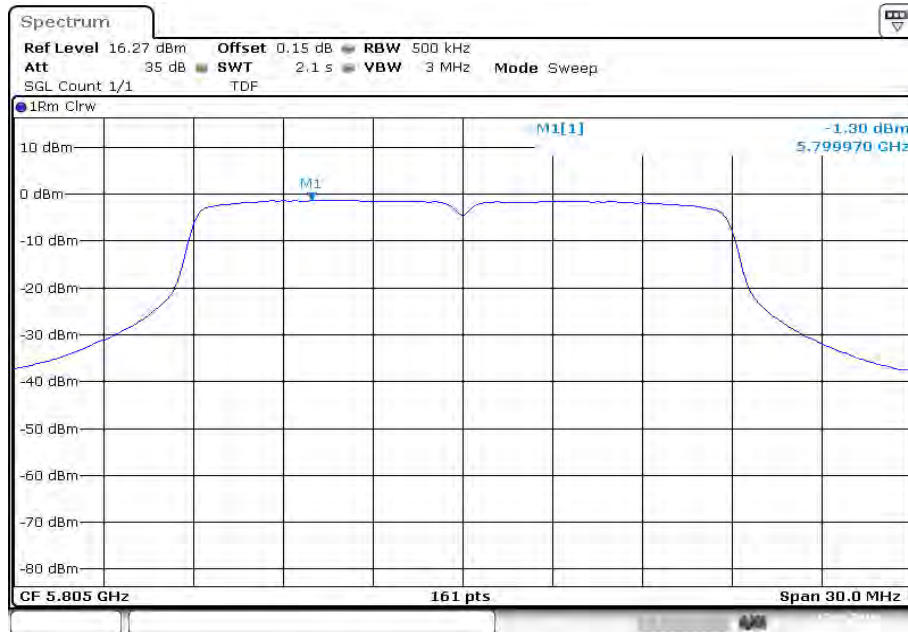
Date: 12.APR.2016 20:39:57

Plot 2: 5765 MHz



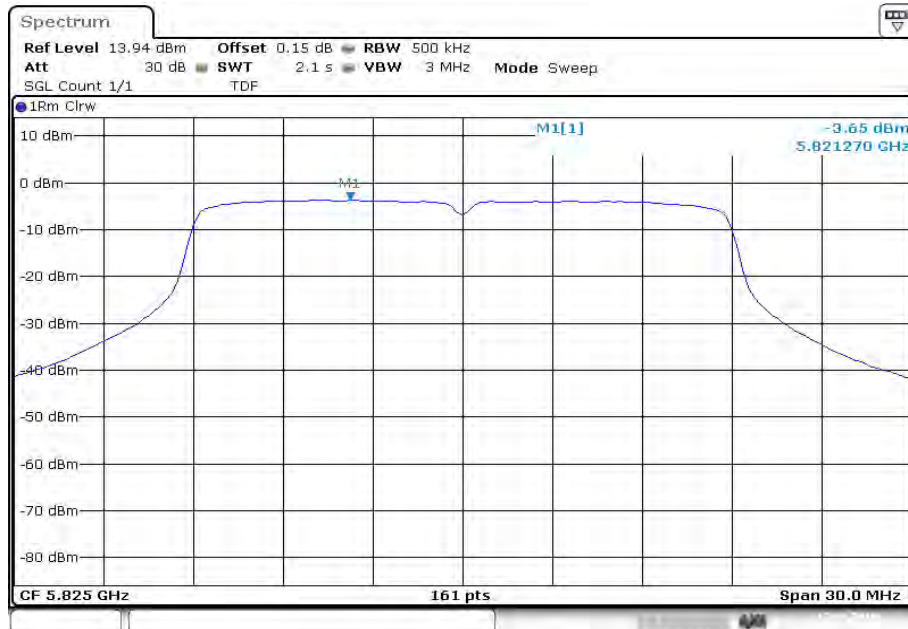
Date: 12.APR.2016 20:41:16

Plot 3: 5805 MHz



Date: 12.APR.2016 20:43:56

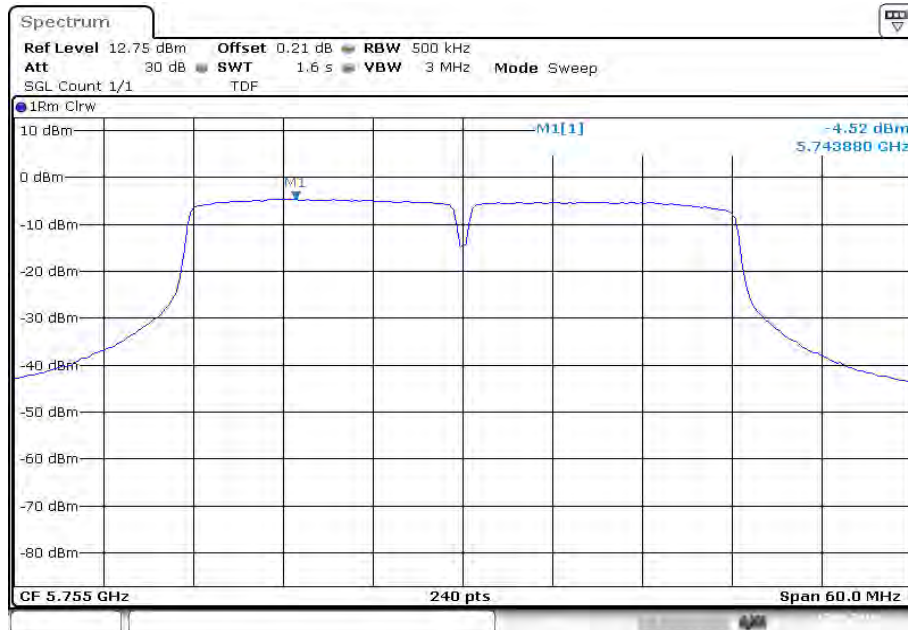
Plot 4: 5825 MHz



Date: 12.APR.2016 20:45:15

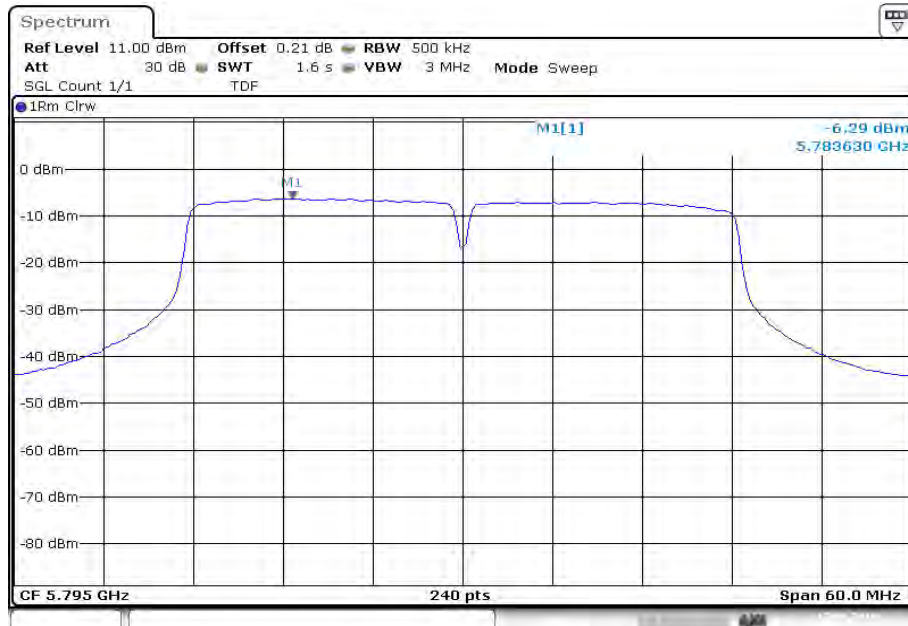
Plots: OFDM / n40 – mode, antenna port 3

Plot 1: 5755 MHz



Date: 12.APR.2016 20:57:00

Plot 2: 5795 MHz



Date: 12.APR.2016 20:58:13

12.6 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 7.5
Measurement uncertainty:	see chapter 8

Limits:

FCC	IC
Minimum Emission Bandwidth for the band 5.725-5.85 GHz	
The minimum 6 dB bandwidth shall be at least 500 kHz.	

Result: antenna port 1

OFDM / a – mode	6 dB bandwidth [MHz]			
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
	16.39	16.36	16.39	16.39

OFDM / n HT20 – mode	6 dB bandwidth [MHz]			
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
	17.38	17.59	17.62	17.59

OFDM / n HT40 – mode	6 dB bandwidth [MHz]	
Channel	5755 MHz	5795 MHz
	36.02	36.02

Result: antenna port 2

OFDM / a – mode	6 dB bandwidth [MHz]			
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
	16.36	16.36	16.39	16.39

OFDM / n HT20 – mode	6 dB bandwidth [MHz]			
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
	17.59	17.59	17.59	17.35

OFDM / n HT40 – mode	6 dB bandwidth [MHz]	
Channel	5755 MHz	5795 MHz
	36.02	36.14

Result: antenna port 3

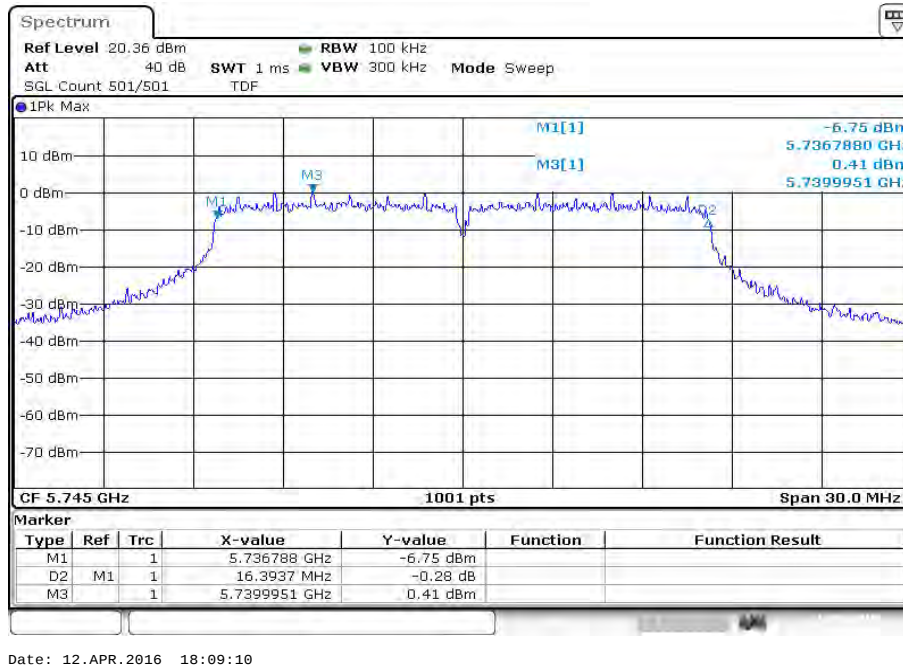
OFDM / a – mode	6 dB bandwidth [MHz]			
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
	16.36	16.36	16.39	16.39

OFDM / n HT20 – mode	6 dB bandwidth [MHz]			
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
	17.38	17.59	17.62	17.59

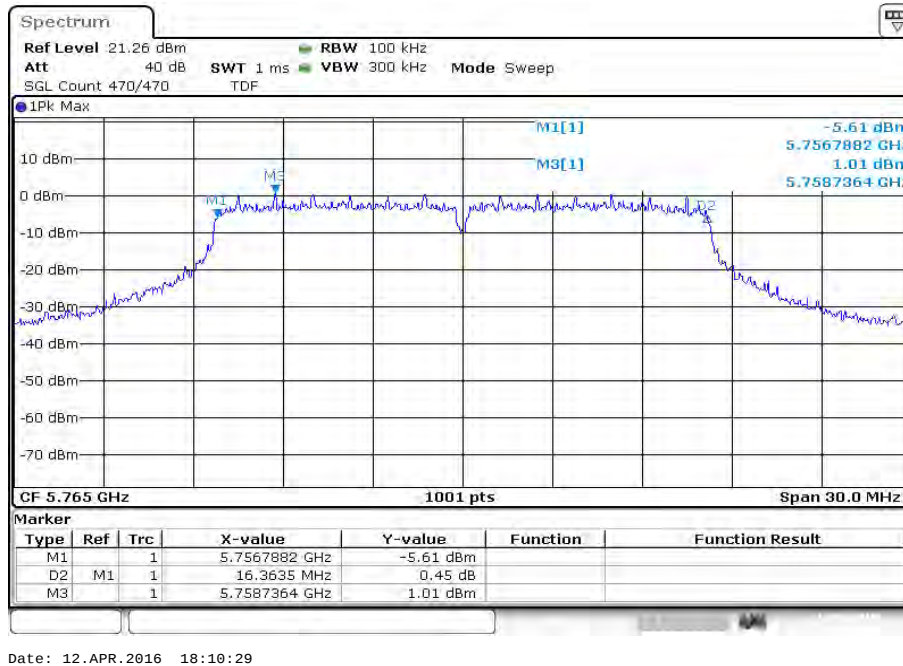
OFDM / n HT40 – mode	6 dB bandwidth [MHz]	
Channel	5755 MHz	5795 MHz
	36.03	36.14

Plots: OFDM / a – mode; antenna port 1

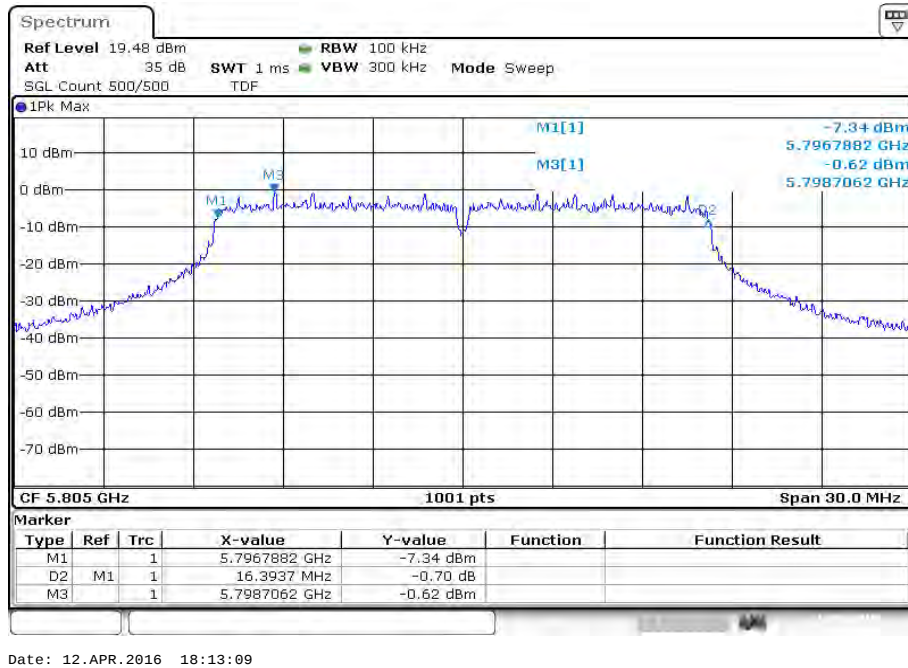
Plot 1: 5745 MHz



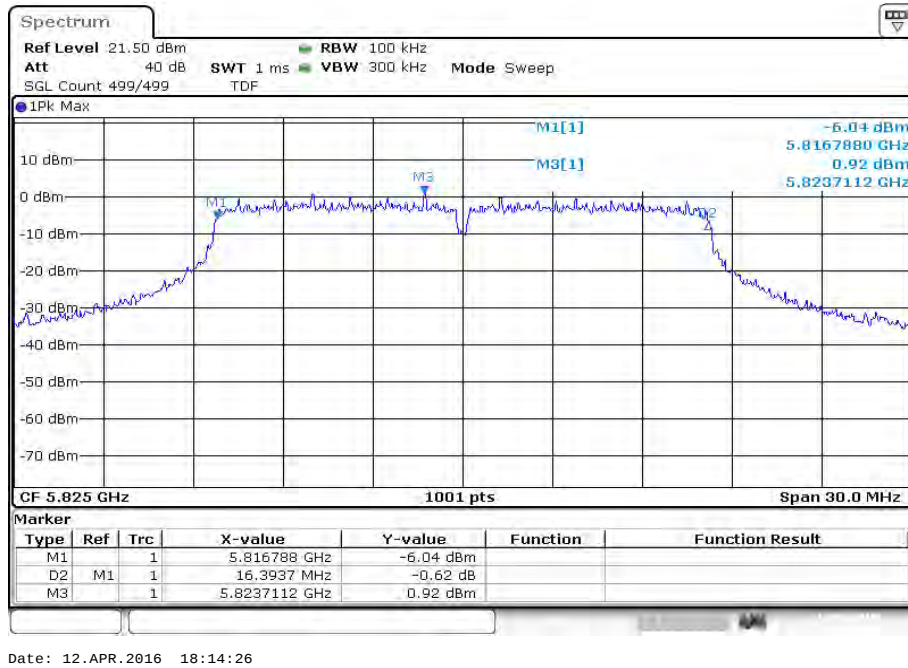
Plot 2: 5765 MHz



Plot 3: 5805 MHz

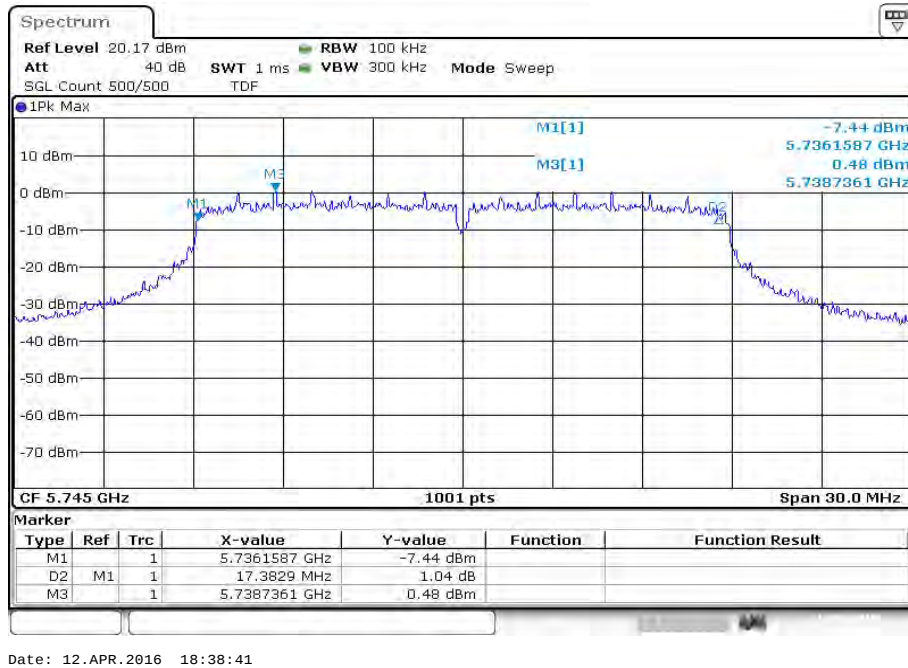


Plot 4: 5825 MHz

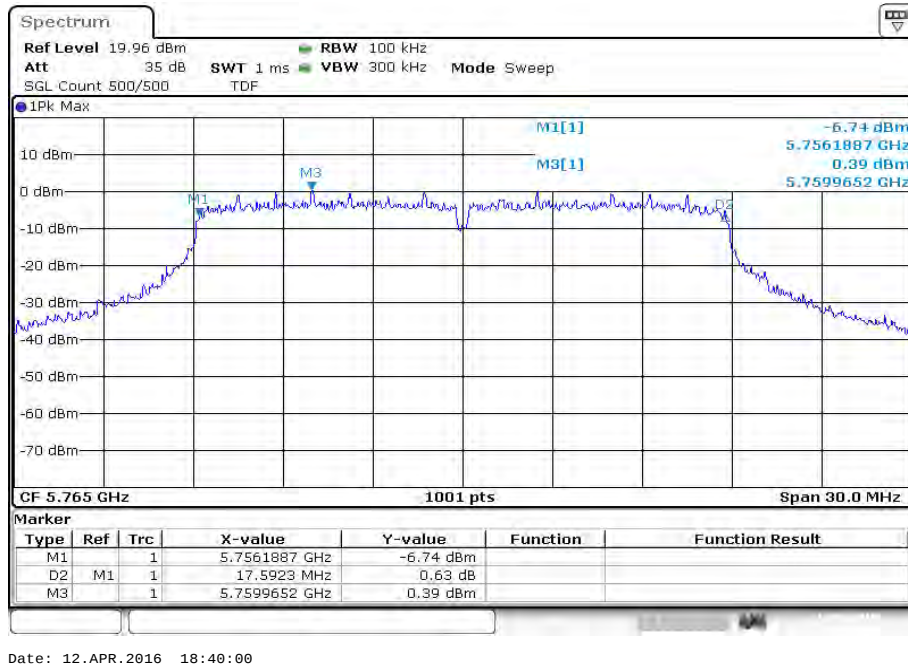


Plots: OFDM / n HT20 – mode; antenna port 1

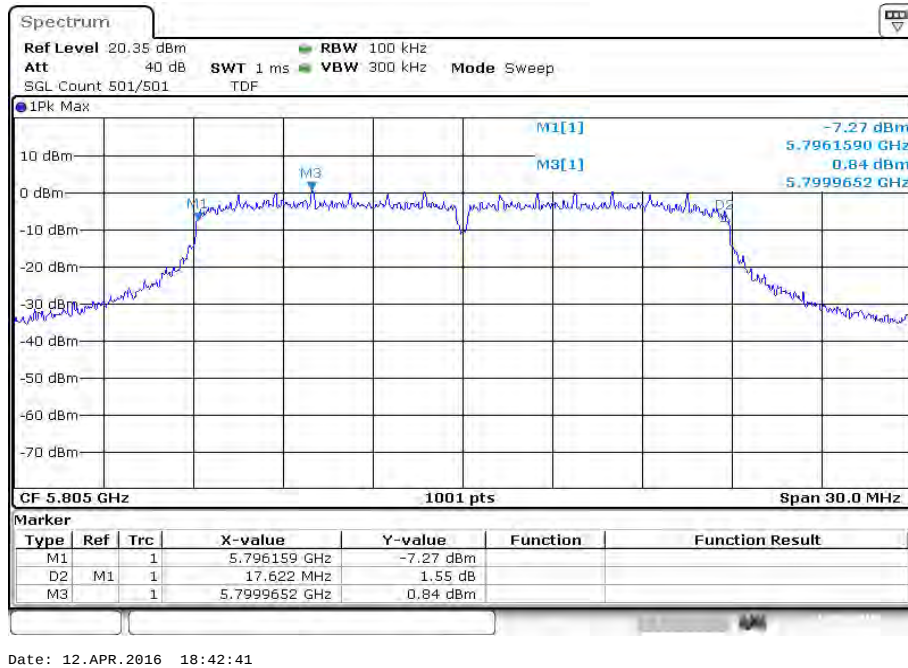
Plot 1: 5745 MHz



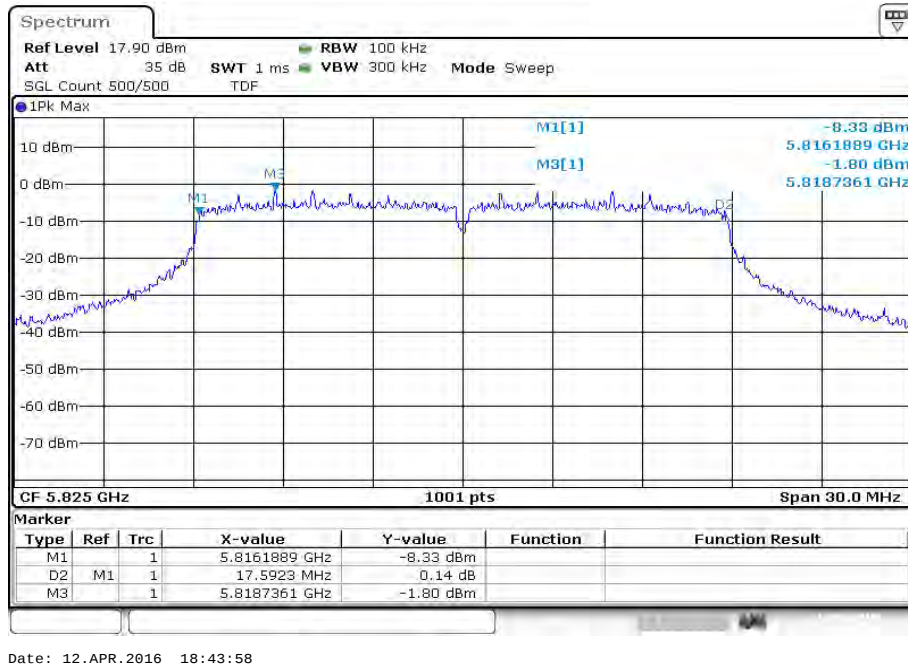
Plot 2: 5765 MHz



Plot 3: 5805 MHz

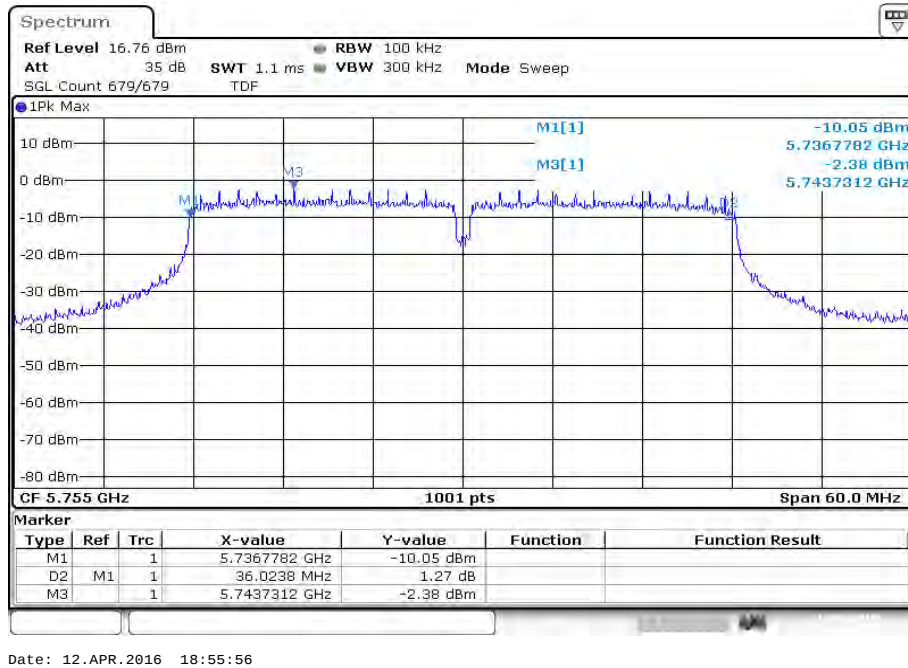


Plot 4: 5825 MHz

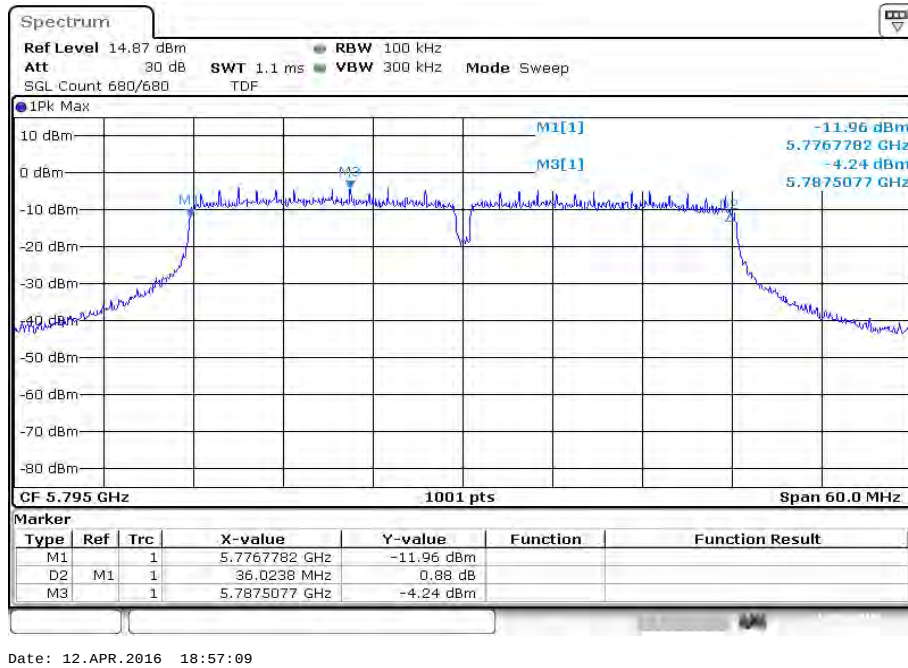


Plots: OFDM / n HT40 – mode; antenna port 1

Plot 1: 5755 MHz

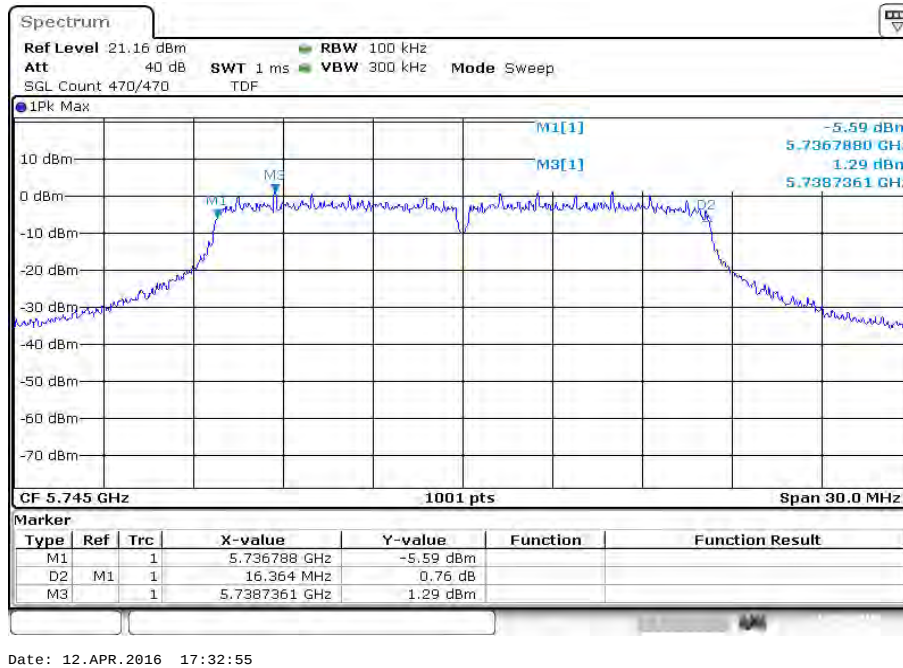


Plot 2: 5795 MHz

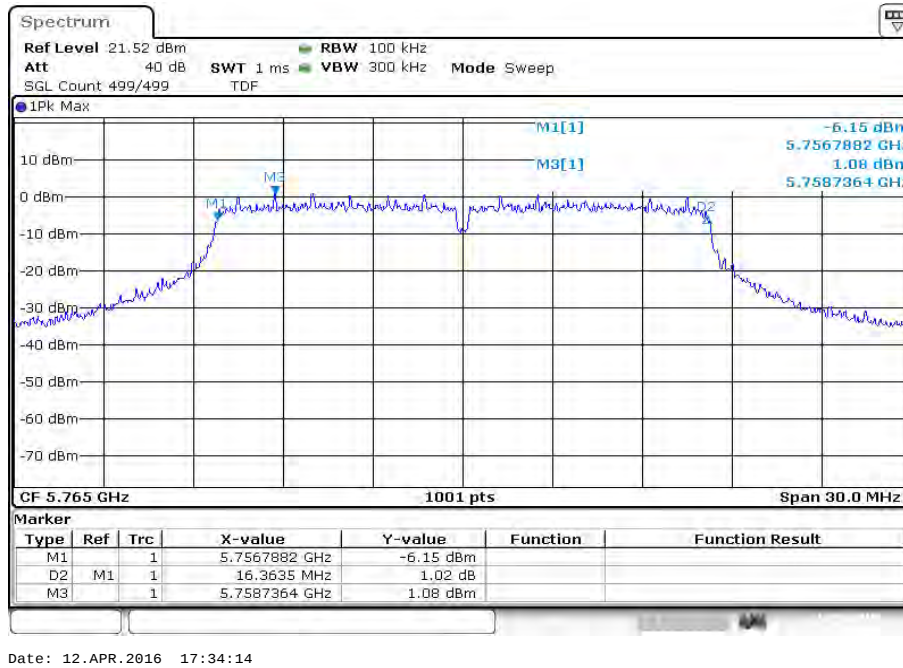


Plots: OFDM / a – mode; antenna port 2

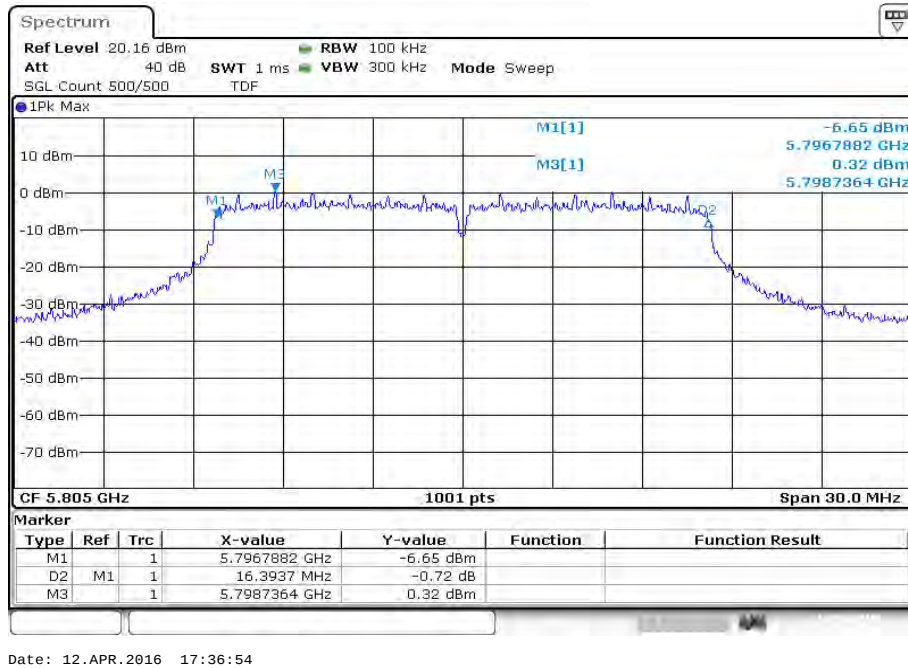
Plot 1: 5745 MHz



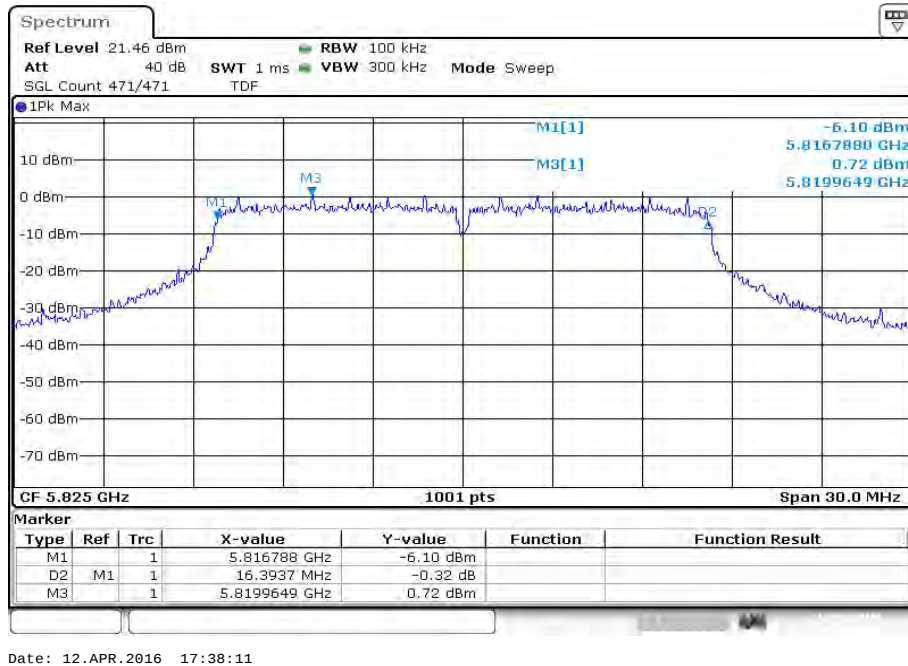
Plot 2: 5765 MHz



Plot 3: 5805 MHz

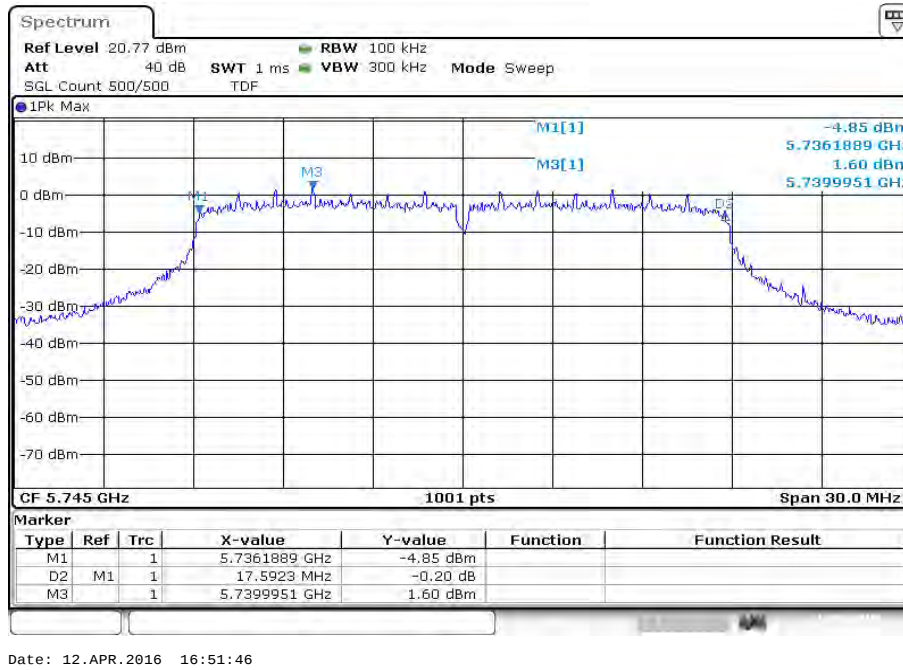


Plot 4: 5825 MHz

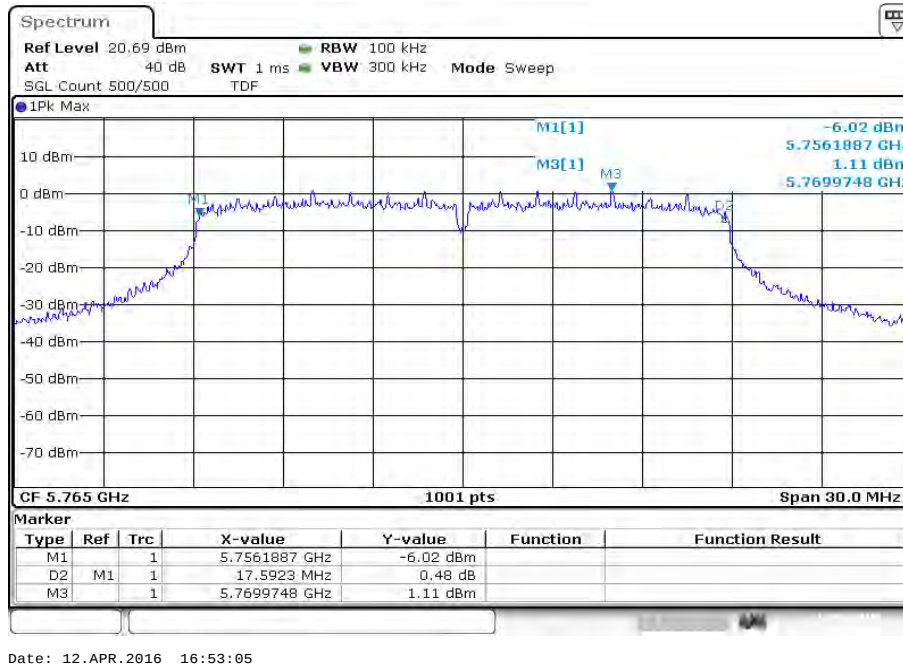


Plots: OFDM / n HT20 – mode; antenna port 2

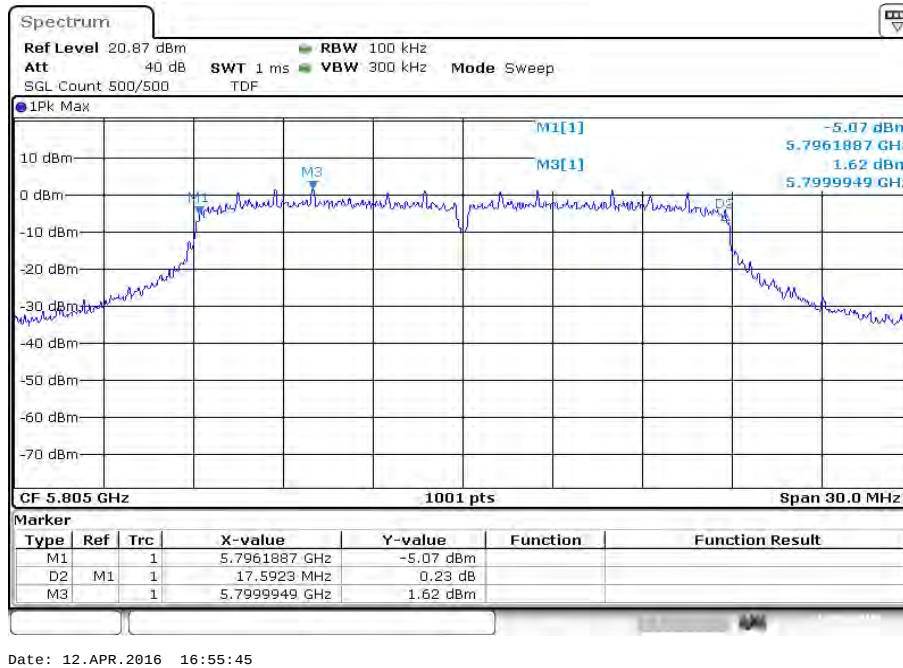
Plot 1: 5745 MHz



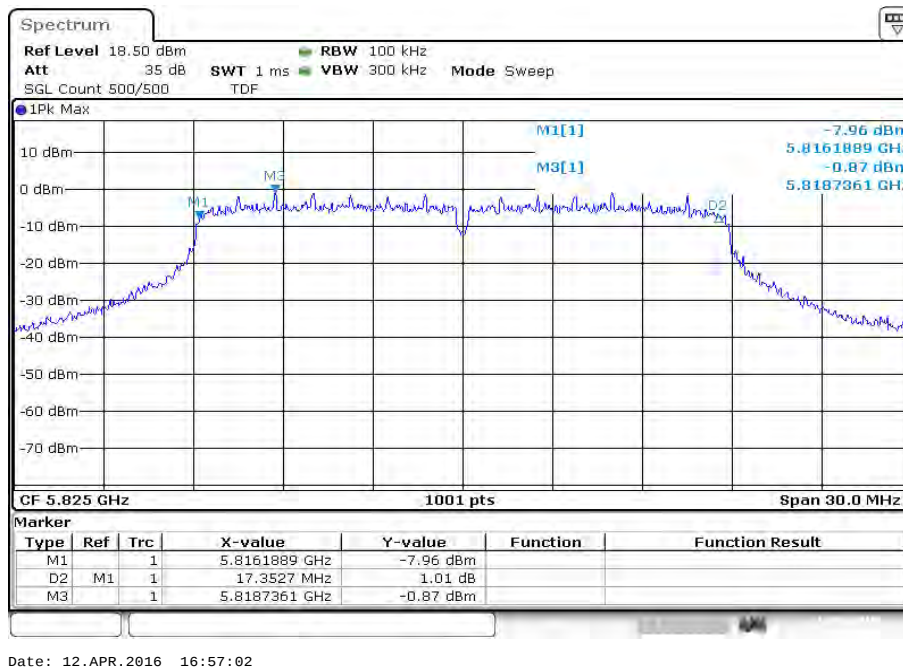
Plot 2: 5765 MHz



Plot 3: 5805 MHz

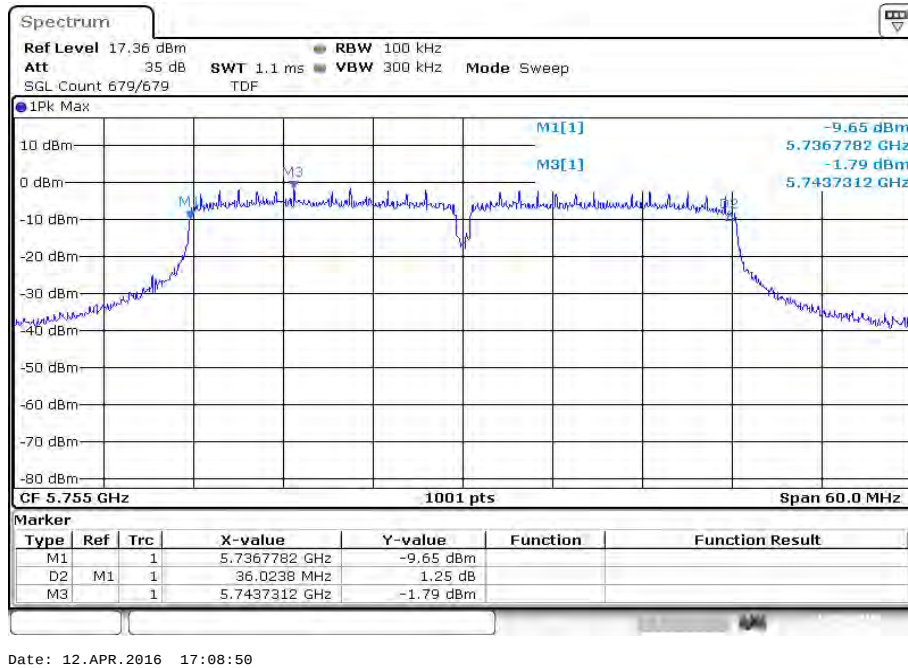


Plot 4: 5825 MHz

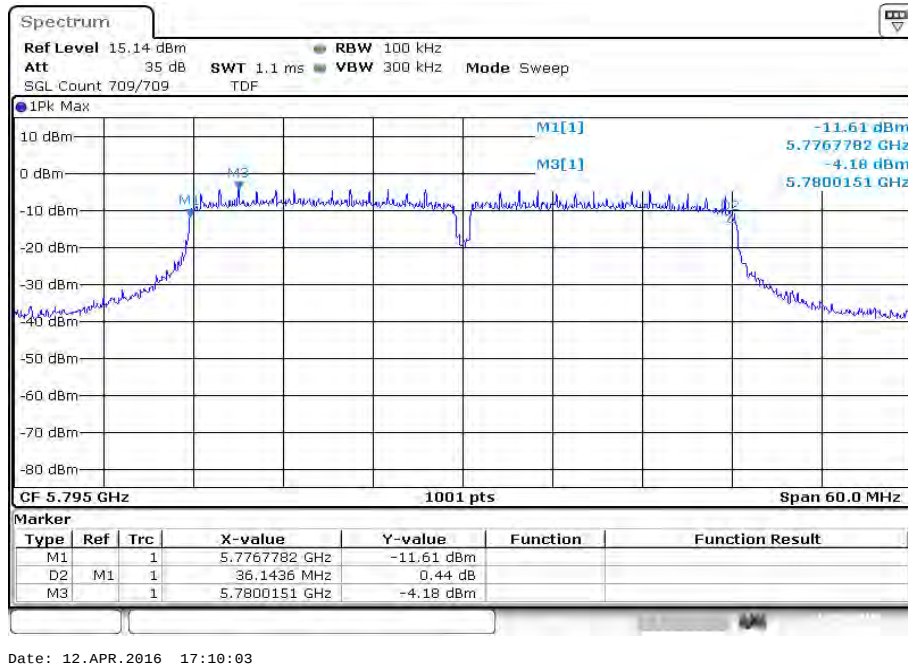


Plots: OFDM / n HT40 – mode; antenna port 2

Plot 1: 5755 MHz

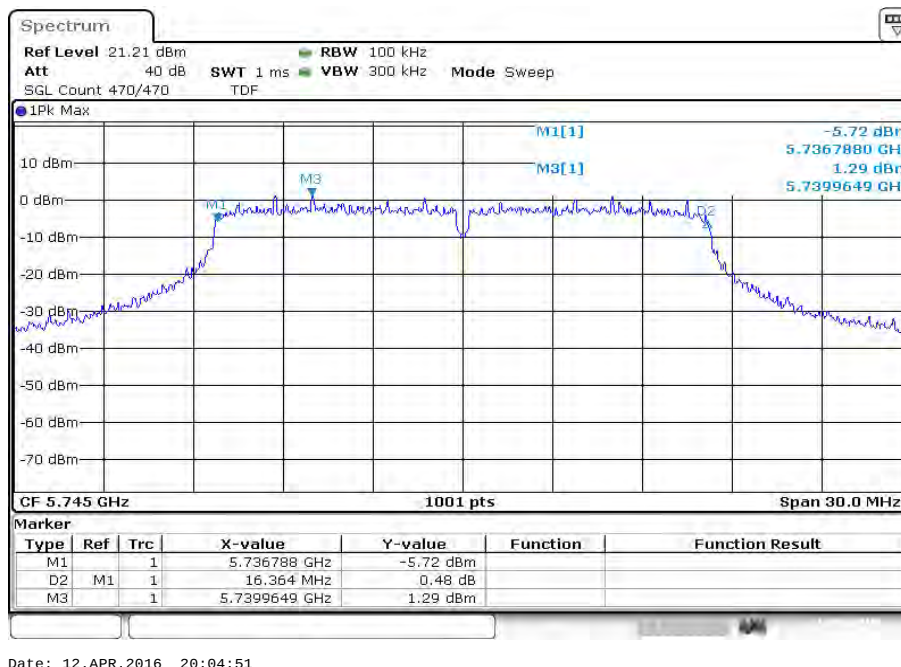


Plot 2: 5795 MHz

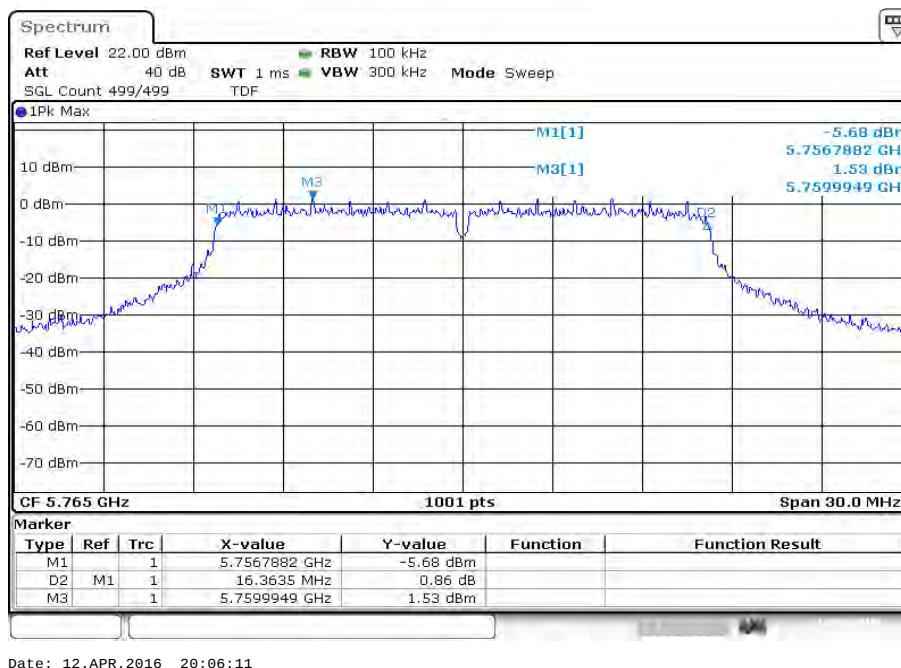


Plots: OFDM / a – mode; antenna port 3

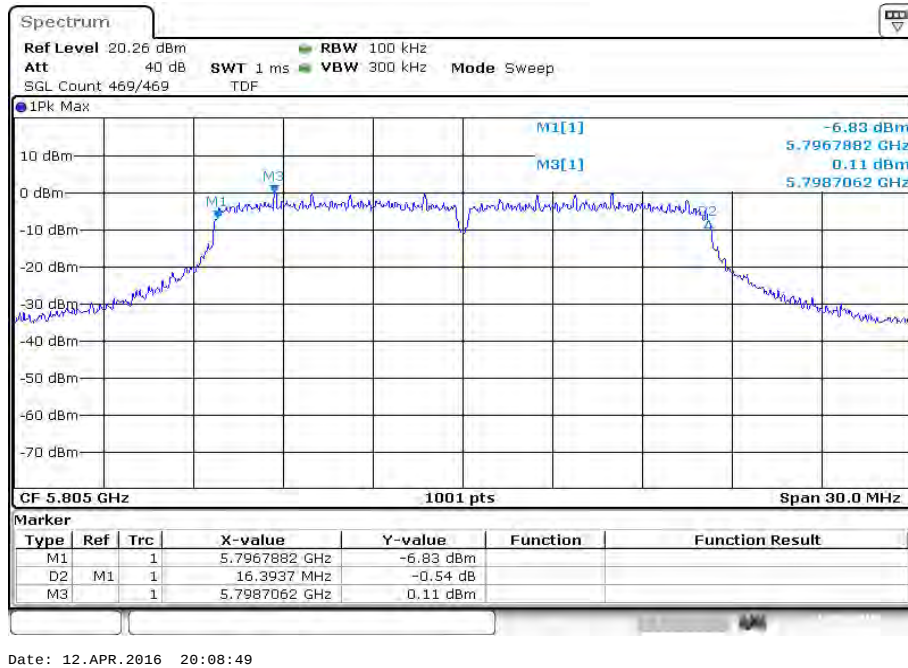
Plot 1: 5745 MHz



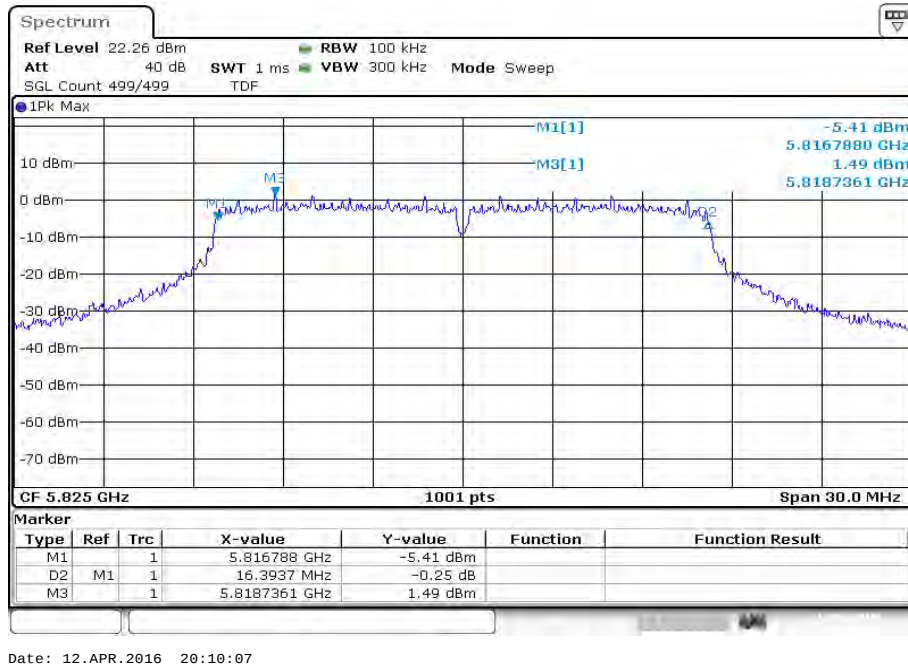
Plot 2: 5765 MHz



Plot 3: 5805 MHz

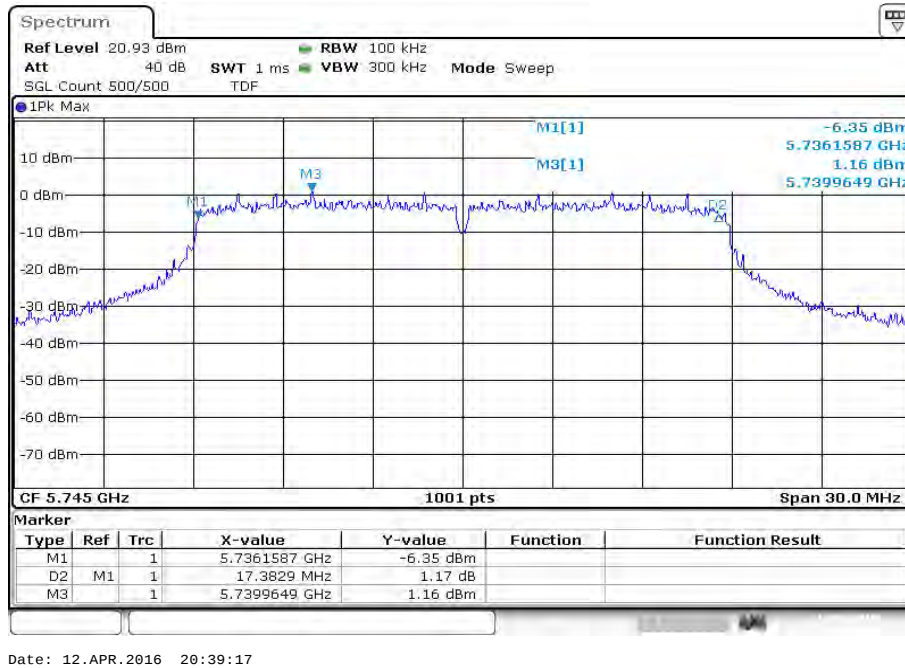


Plot 4: 5825 MHz

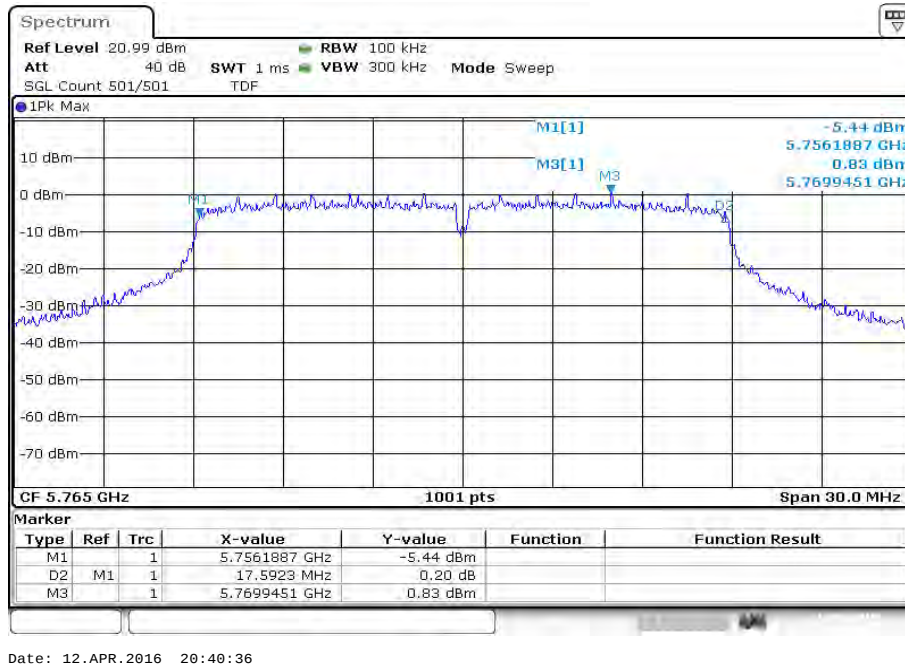


Plots: OFDM / n HT20 – mode; antenna port 3

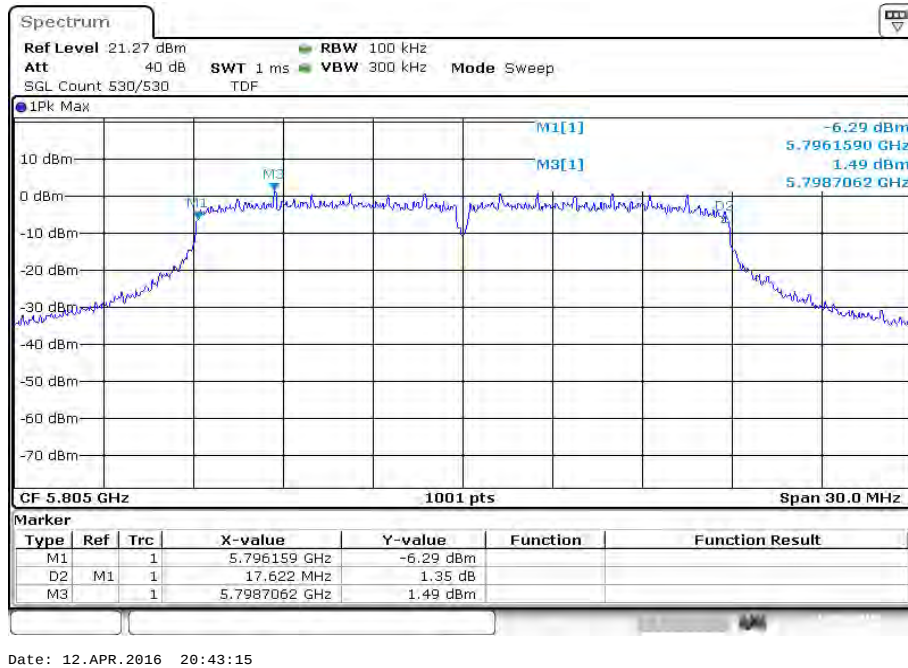
Plot 1: 5745 MHz



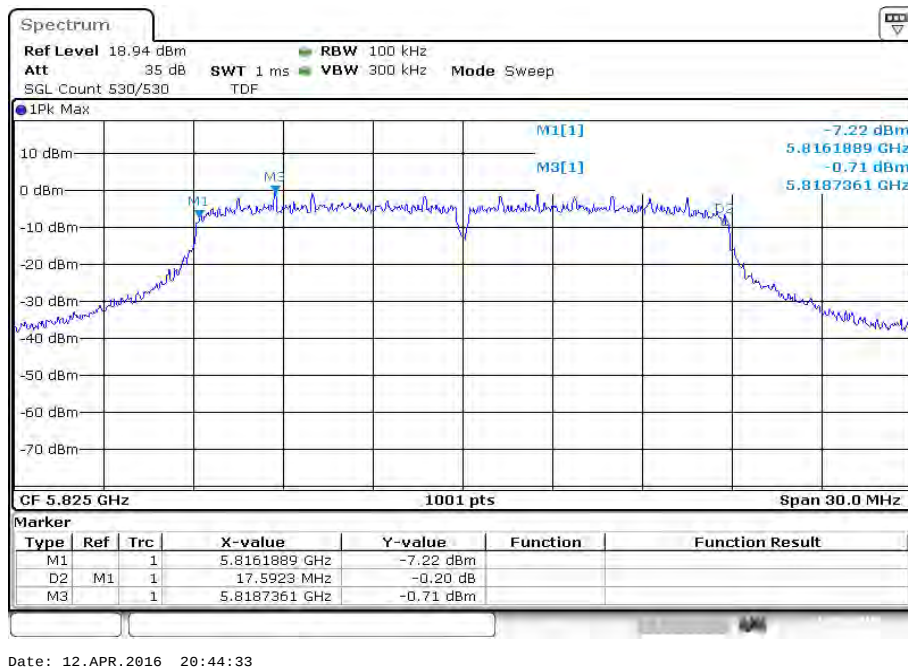
Plot 2: 5765 MHz



Plot 3: 5805 MHz

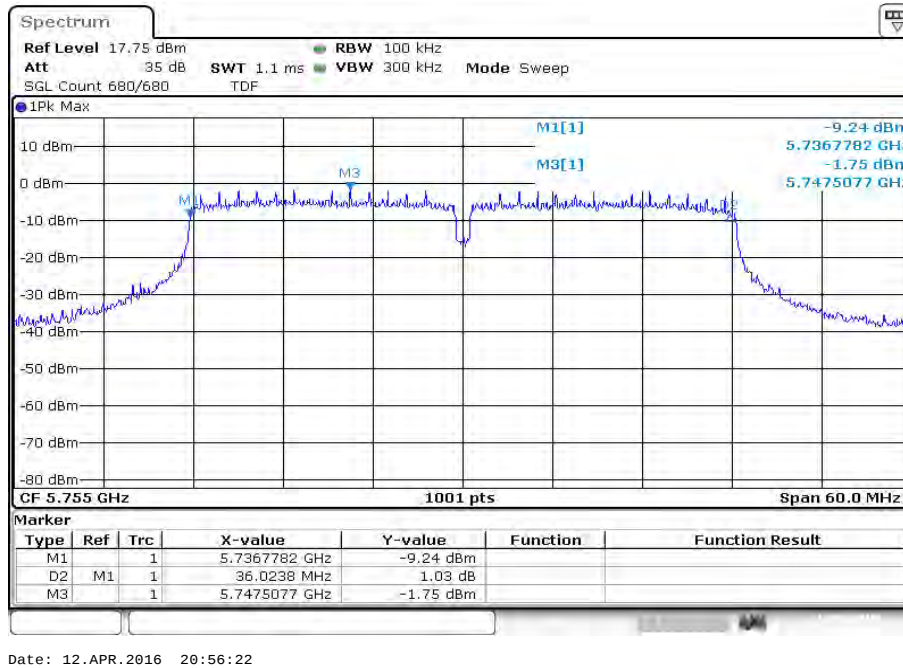


Plot 4: 5825 MHz

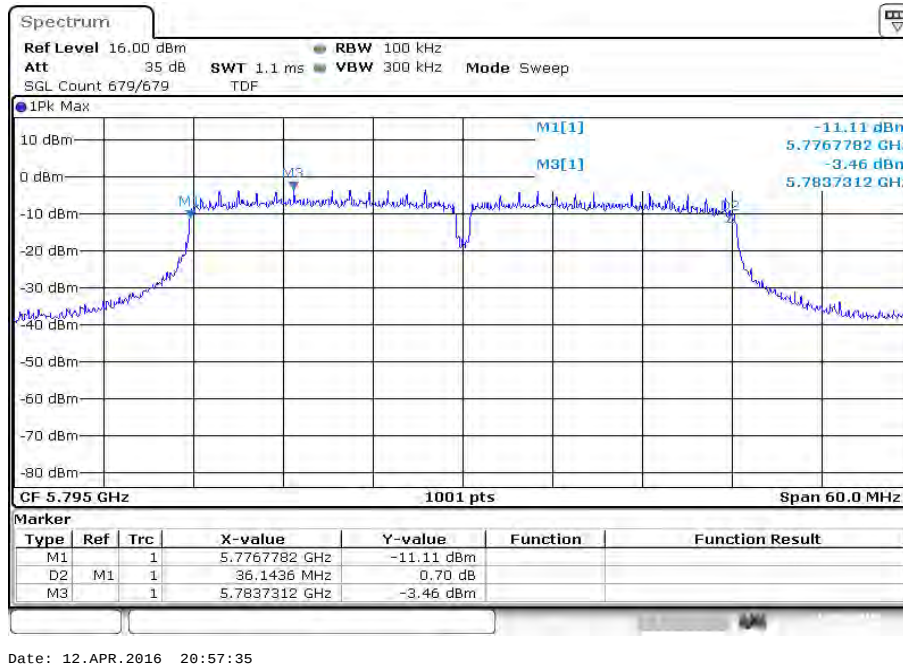


Plots: OFDM / n HT40 – mode; antenna port 3

Plot 1: 5755 MHz



Plot 2: 5795 MHz



12.7 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 7.4 – A
Measurement uncertainty:	see chapter 9

Limits:

Spectrum Bandwidth – 26 dB Bandwidth
-/-

Result: antenna port 1

OFDM / a – mode	26 dB bandwidth [MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
		22.53	23.23	23.13	22.98
	Channel	5500 MHz	5600 MHz	5700 MHz	-/-
		23.18	23.13	22.43	-/-
	Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz
		23.78	22.68	23.58	23.33

OFDM / n HT20 – mode	26 dB bandwidth [MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
		24.43	24.18	24.08	23.53
Channel		5500 MHz	5600 MHz	5700 MHz	-/-
		24.08	23.98	23.53	-/-
Channel		5745 MHz	5765 MHz	5805 MHz	5825 MHz
		24.33	23.63	24.58	23.83

OFDM / n HT40 – mode	26 dB bandwidth [MHz]				
	Channel	5190 MHz	5230 MHz	5270 MHz	5310 MHz
		47.15	47.95	47.15	48.05
Channel		5510 MHz	5550 MHz	5630 MHz	5670 MHz
		47.85	48.25	47.85	48.05
Channel		5755 MHz	5795 MHz	-/-	-/-
		47.35	48.45	-/-	-/-

Result: antenna port 2

OFDM / a – mode	26 dB bandwidth [MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
		23.38	23.58	23.53	22.83
Channel	5500 MHz	5600 MHz	5700 MHz	-/-	
	23.13	23.18	22.98	-/-	
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz	
	23.58	23.38	24.13	23.48	

OFDM / n HT20 – mode	26 dB bandwidth [MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
		23.63	23.58	23.58	23.33
Channel		5500 MHz	5600 MHz	5700 MHz	-/-
		23.63	24.28	23.38	-/-
Channel		5745 MHz	5765 MHz	5805 MHz	5825 MHz
		24.03	24.33	24.28	24.23

OFDM / n HT40 – mode	26 dB bandwidth [MHz]				
	Channel	5190 MHz	5230 MHz	5270 MHz	5310 MHz
		46.75	47.85	46.25	47.85
Channel		5510 MHz	5550 MHz	5630 MHz	5670 MHz
		47.25	47.45	47.85	47.85
Channel		5755 MHz	5795 MHz	-/-	-/-
		46.95	46.75	-/-	-/-

Result: antenna port 3

OFDM / a – mode	26 dB bandwidth [MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
		22.93	23.03	23.43	23.38
Channel	5500 MHz	5600 MHz	5700 MHz	-/-	
	22.18	23.67	23.28	-/-	
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz	
	22.83	22.98	23.28	23.88	

OFDM / n HT20 – mode	26 dB bandwidth [MHz]				
	Channel	5180 MHz	5200 MHz	5300 MHz	5320 MHz
		23.67	23.63	23.63	23.73
Channel	5500 MHz	5600 MHz	5700 MHz	-/-	
	23.98	24.23	23.33	-/-	
Channel	5745 MHz	5765 MHz	5805 MHz	5825 MHz	
	24.13	23.88	23.88	23.63	

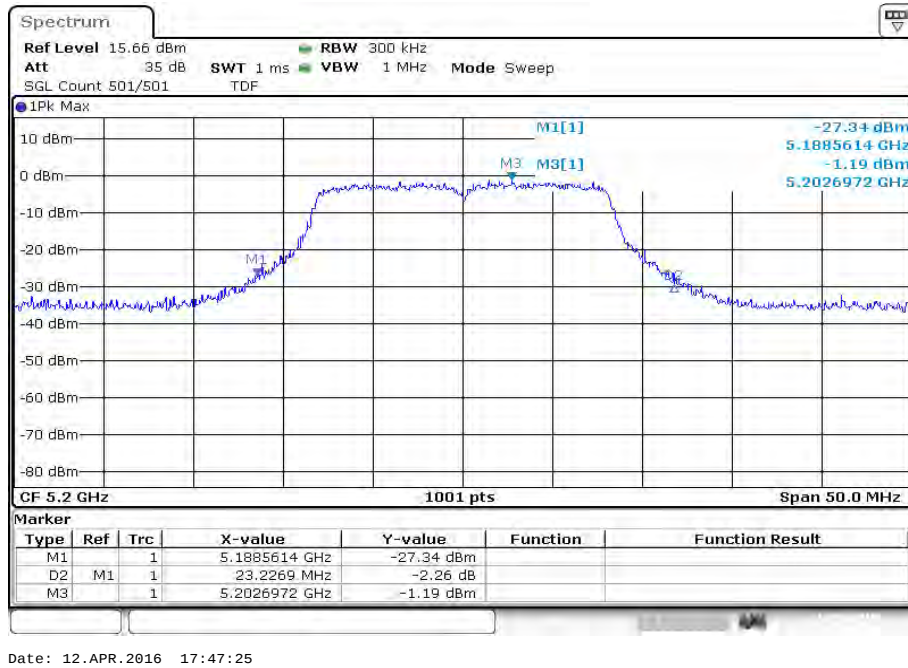
OFDM / n HT40 – mode	26 dB bandwidth [MHz]				
	Channel	5190 MHz	5230 MHz	5270 MHz	5310 MHz
		48.15	48.95	47.55	46.85
Channel		5510 MHz	5550 MHz	5630 MHz	5670 MHz
		47.55	46.95	46.95	46.45
Channel		5755 MHz	5795 MHz	-/-	-/-
		46.45	47.45	-/-	-/-

Plots: OFDM / a – mode, antenna port 1

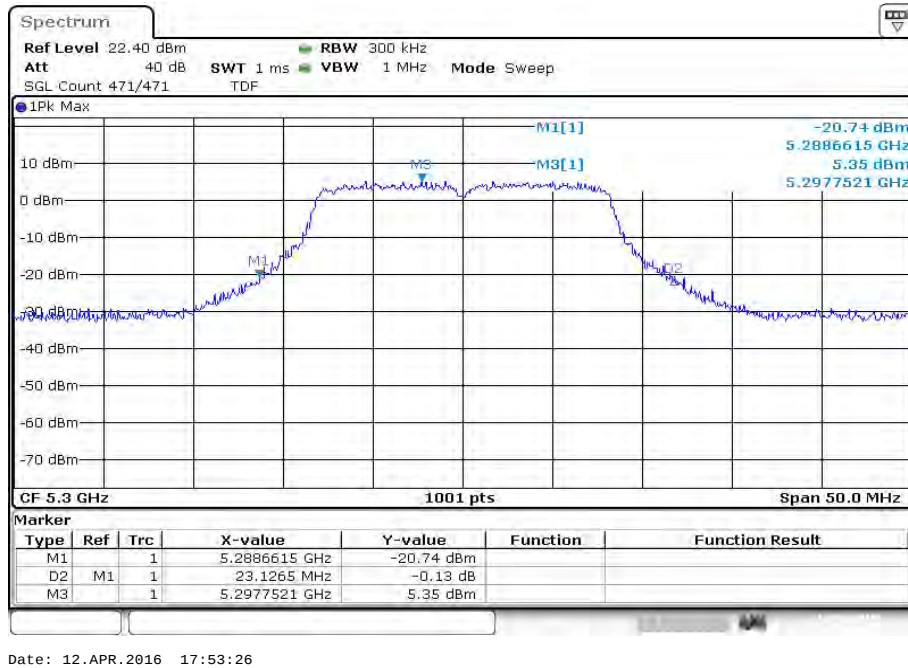
Plot 1: 5180 MHz



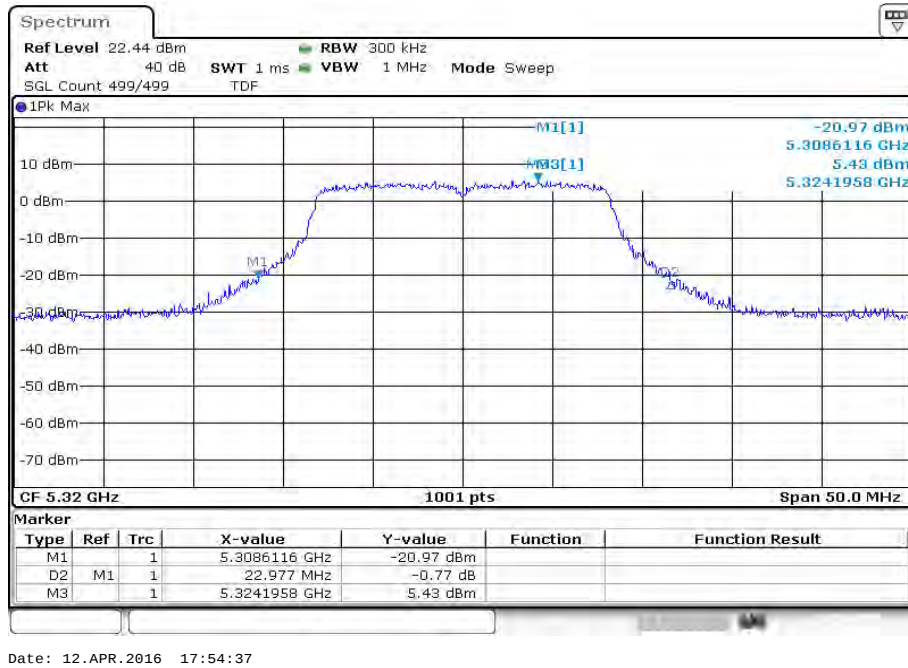
Plot 2: 5200 MHz



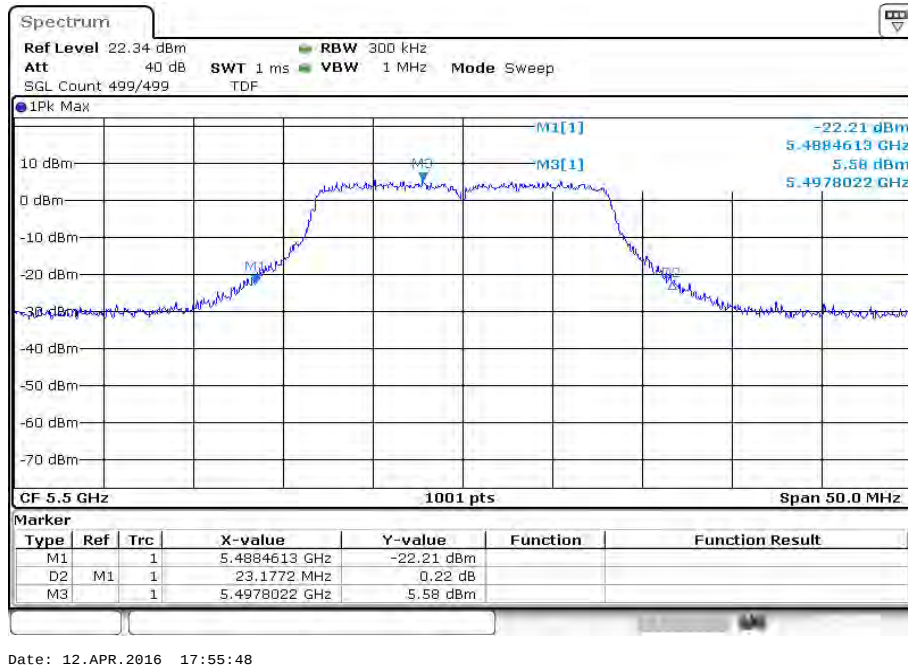
Plot 3: 5300 MHz



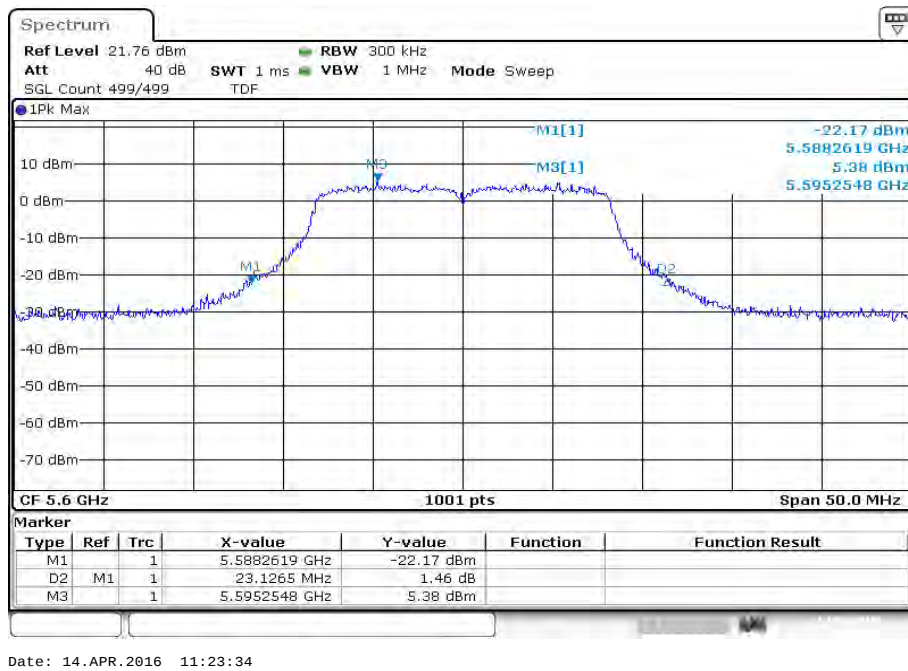
Plot 4: 5320 MHz



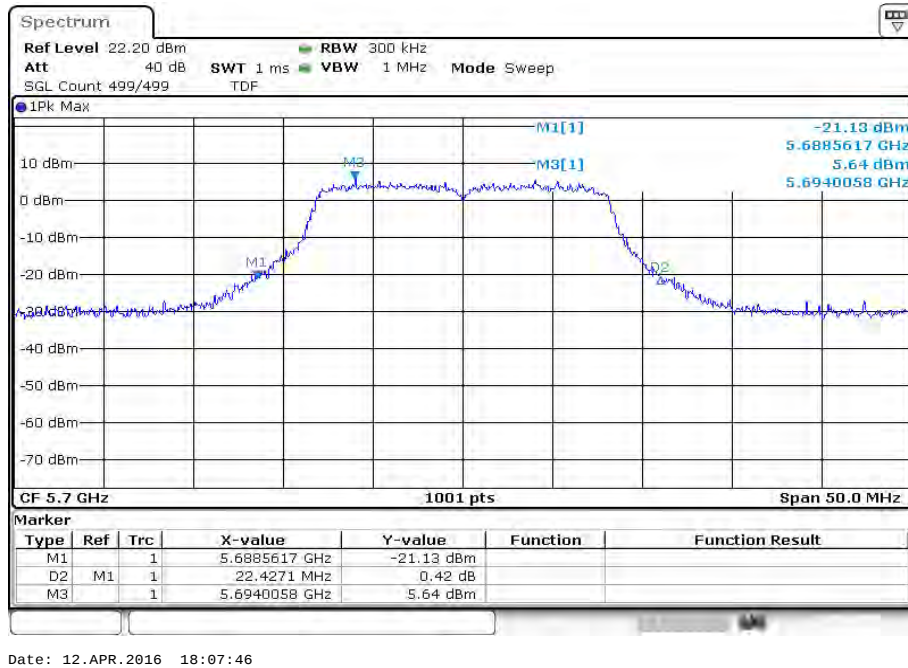
Plot 5: 5500 MHz



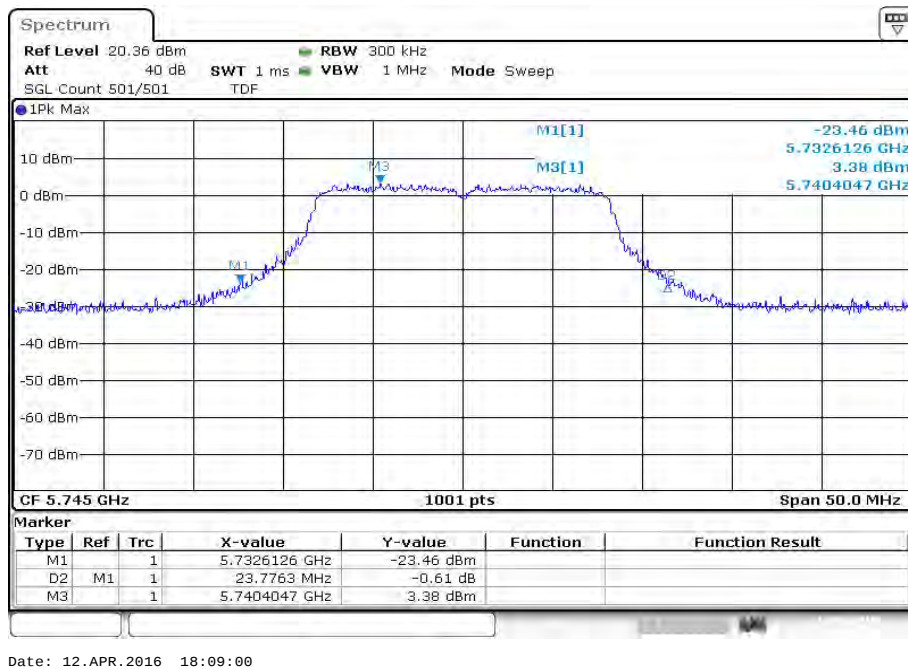
Plot 6: 5600 MHz



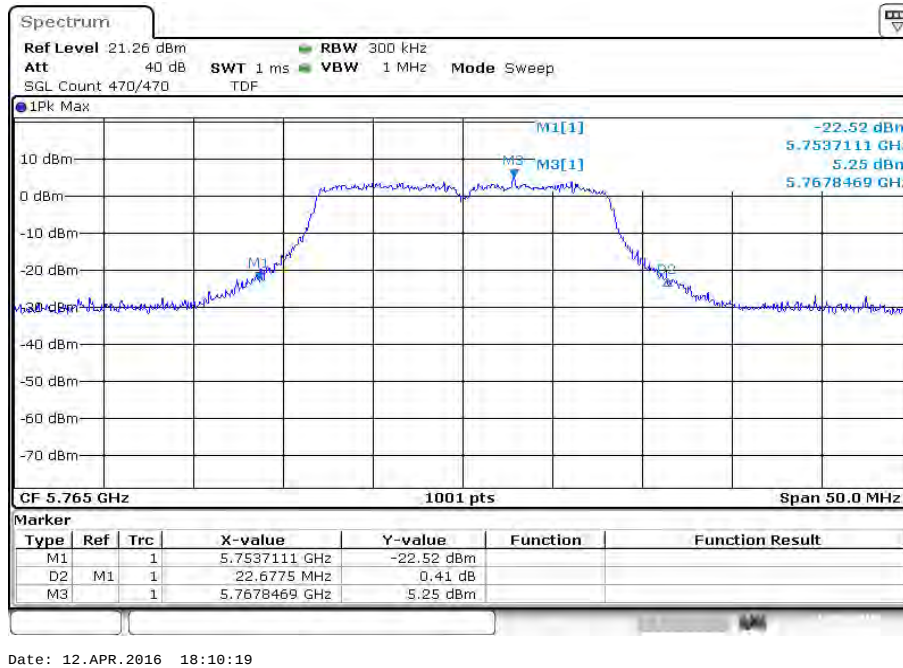
Plot 7: 5700 MHz



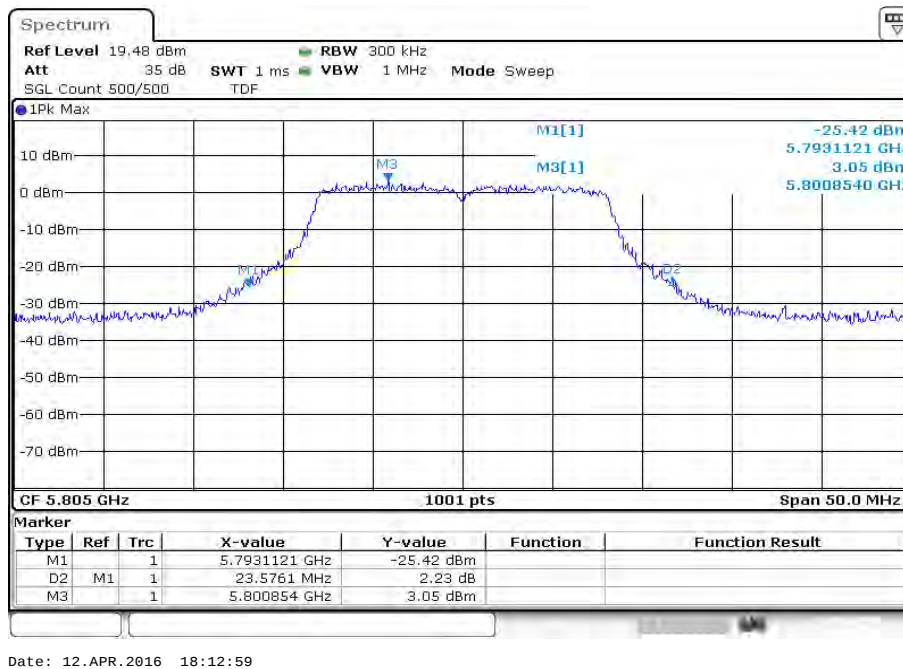
Plot 8: 5745 MHz



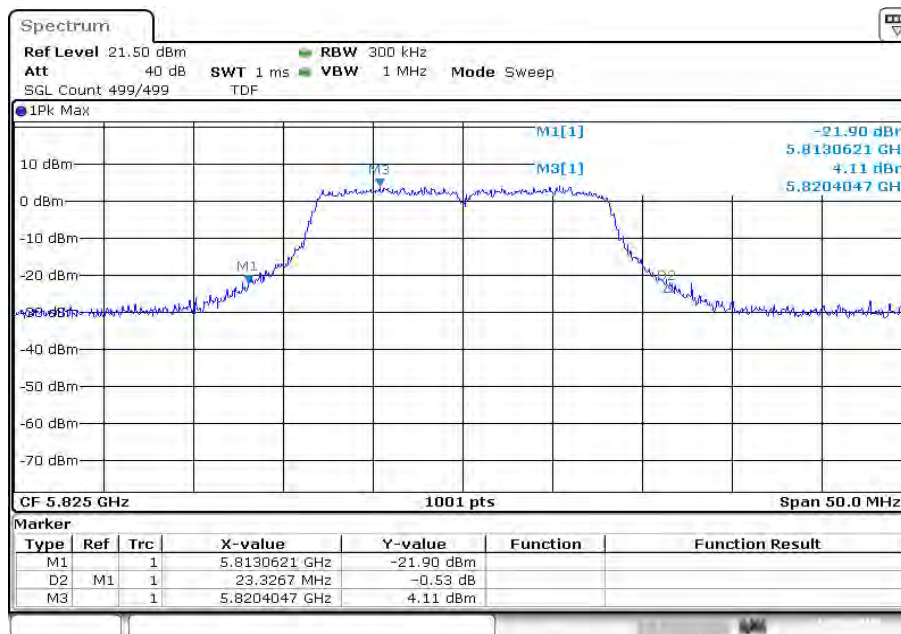
Plot 9: 5765 MHz



Plot 10: 5805 MHz



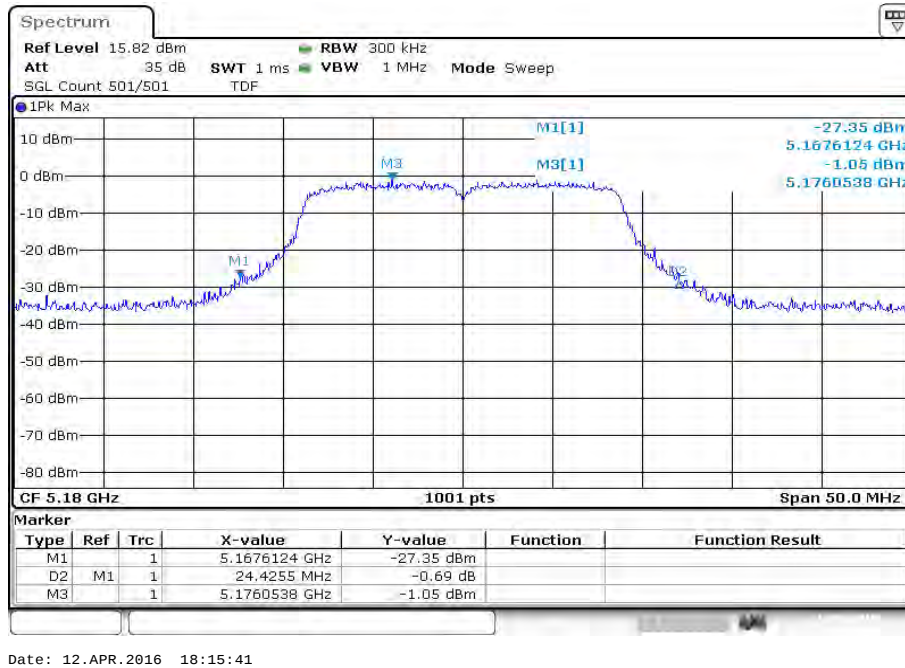
Plot 11: 5825 MHz



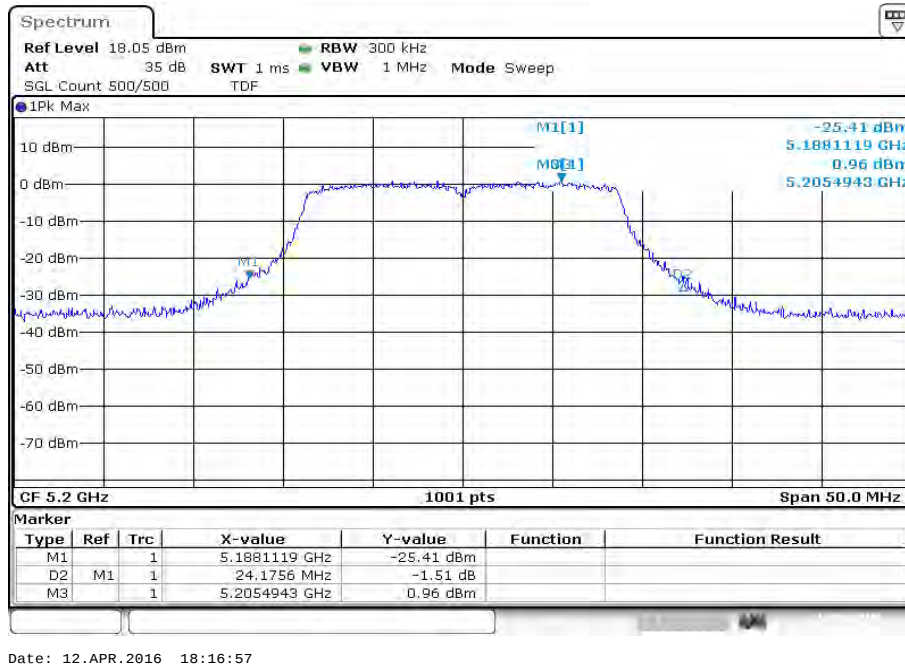
Date: 12.APR.2016 18:14:20

Plots: OFDM / n HT20 – mode, antenna port 1

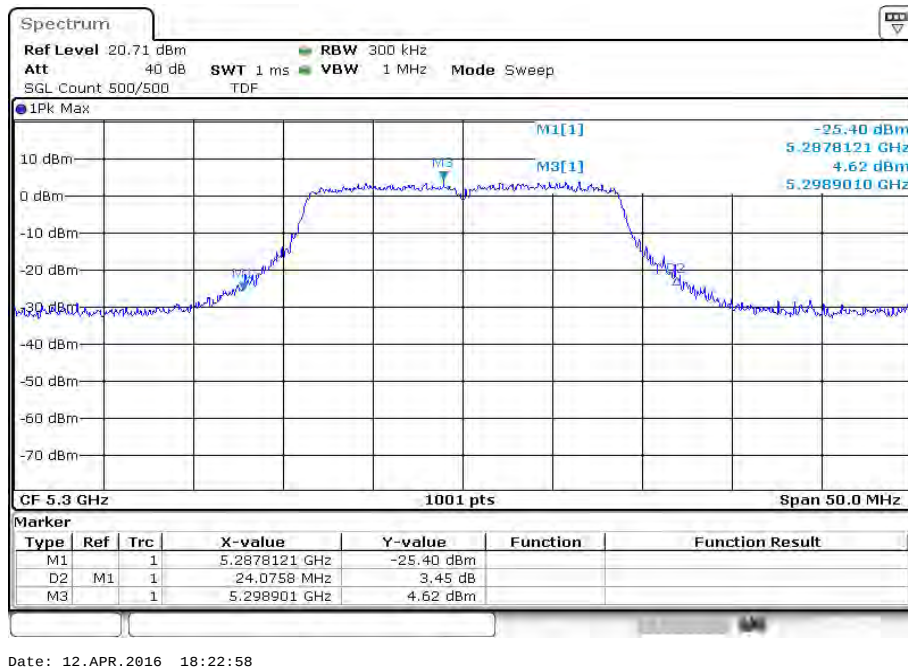
Plot 1: 5180 MHz



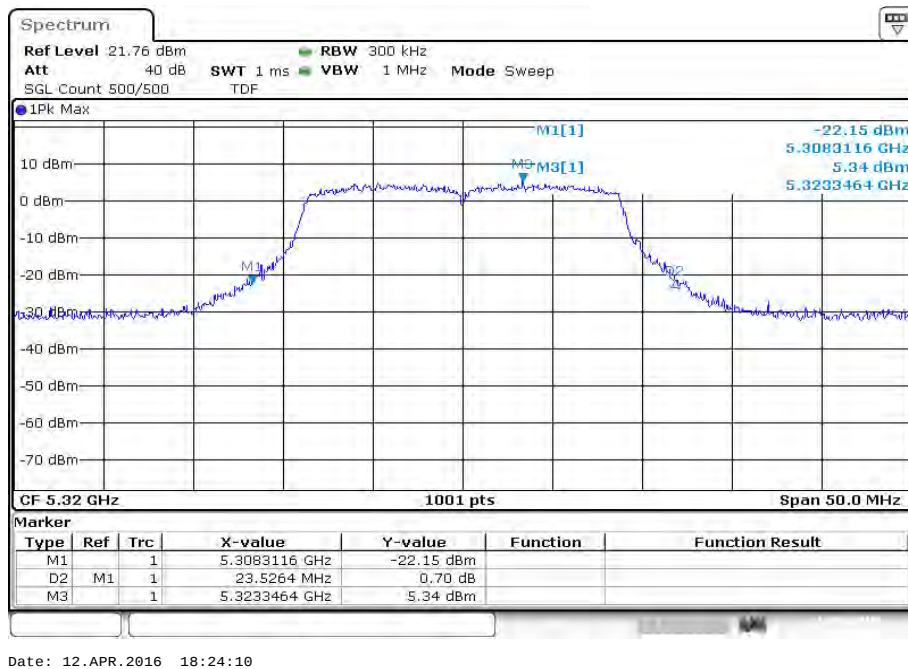
Plot 2: 5200 MHz



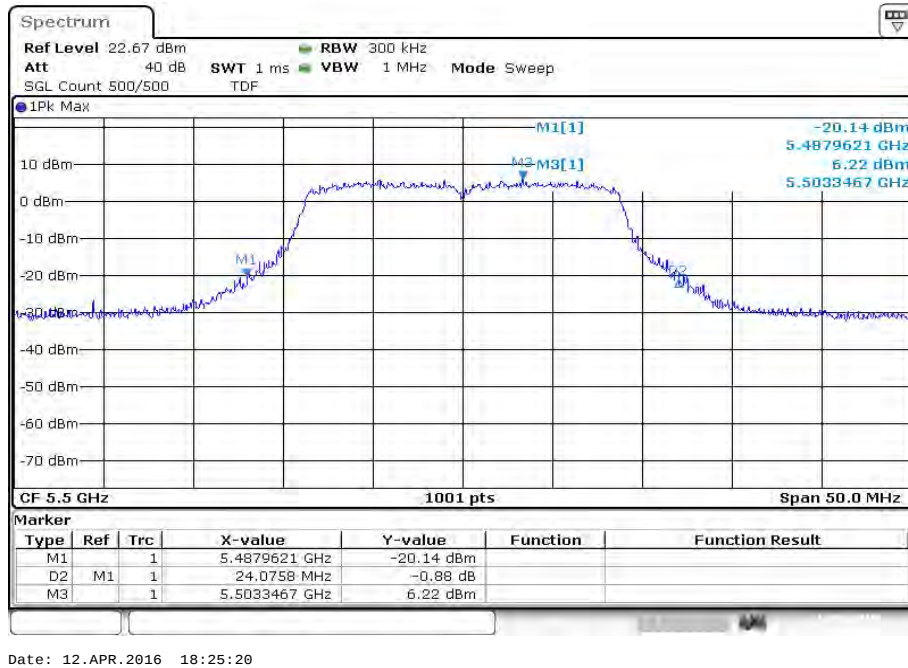
Plot 3: 5300 MHz



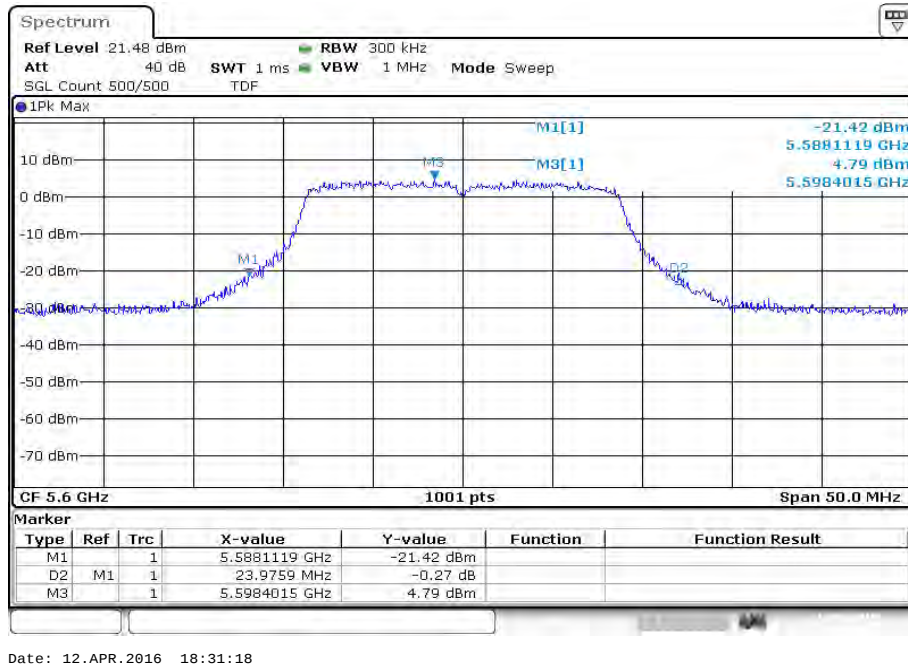
Plot 4: 5320 MHz



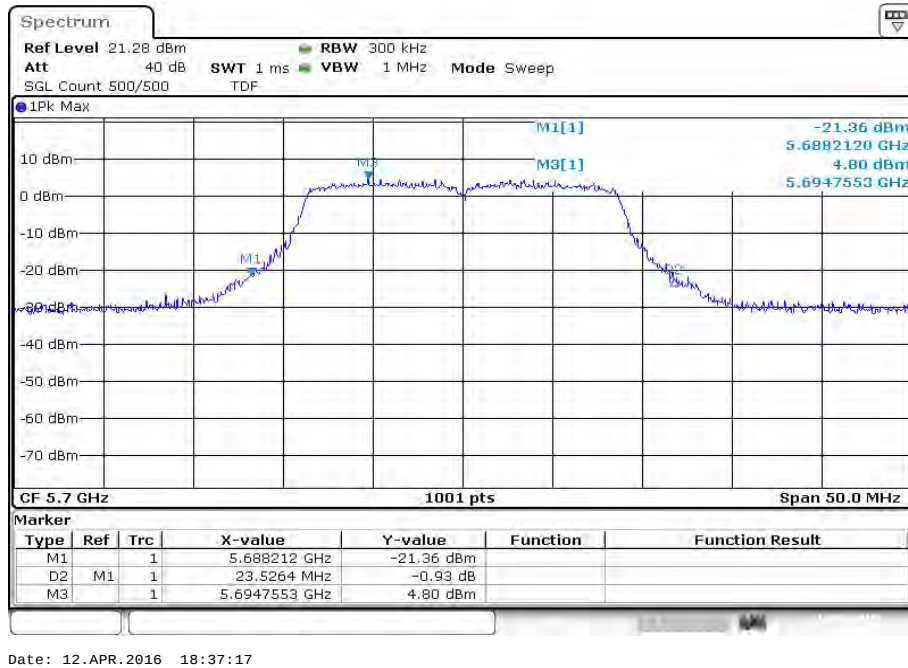
Plot 5: 5500 MHz



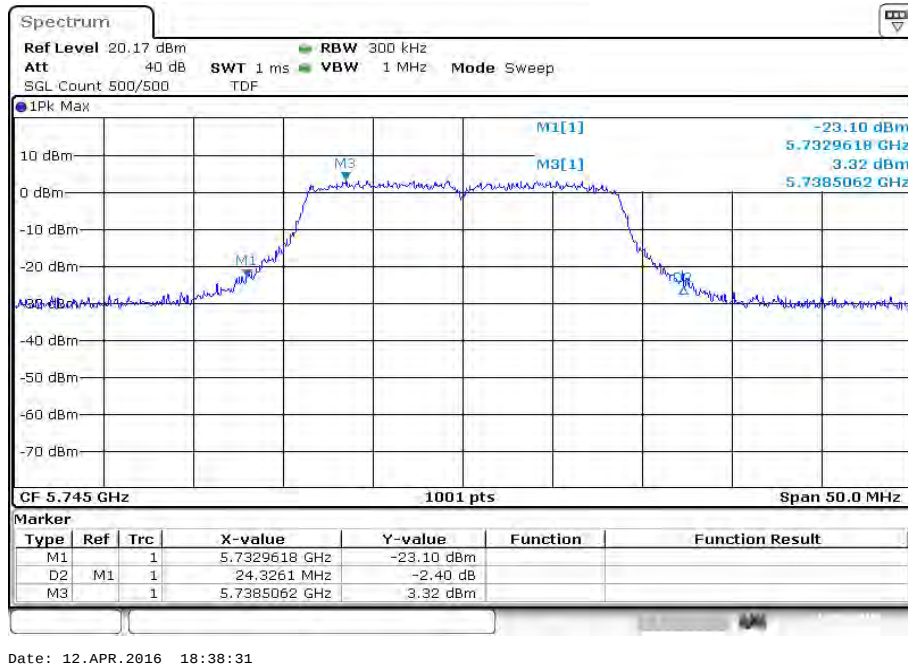
Plot 6: 5600 MHz



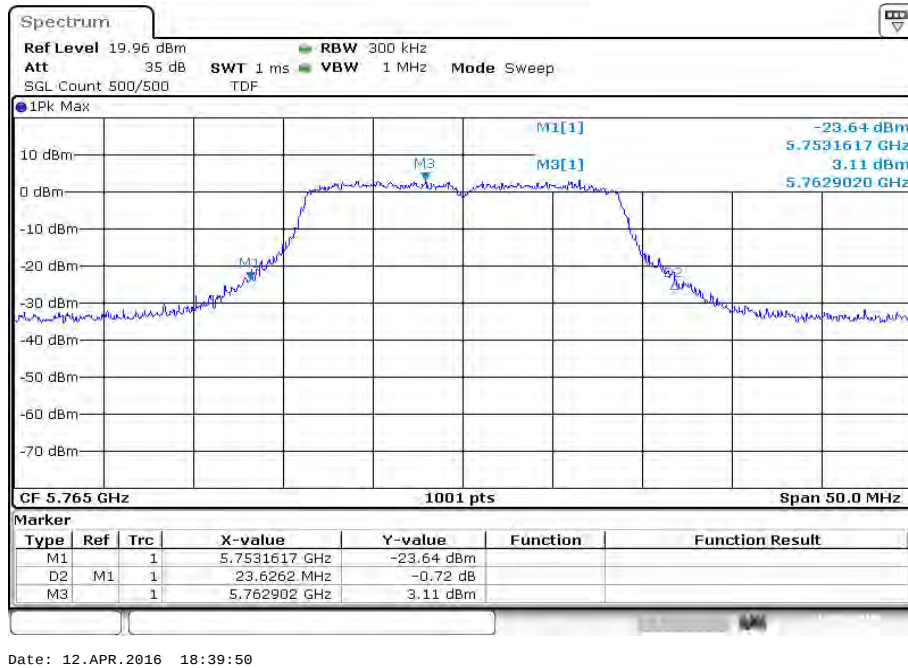
Plot 7: 5700 MHz



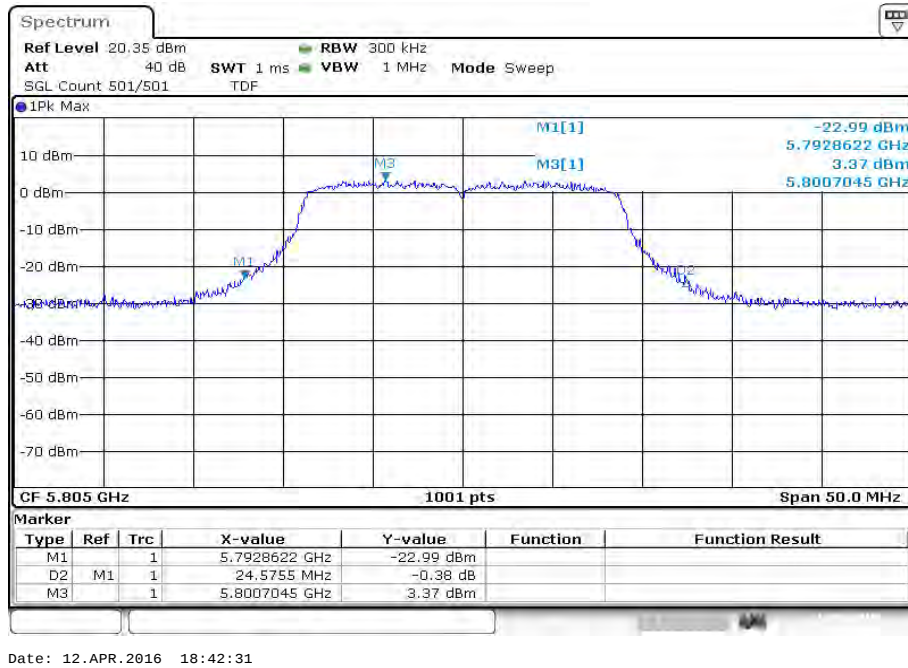
Plot 8: 5745 MHz



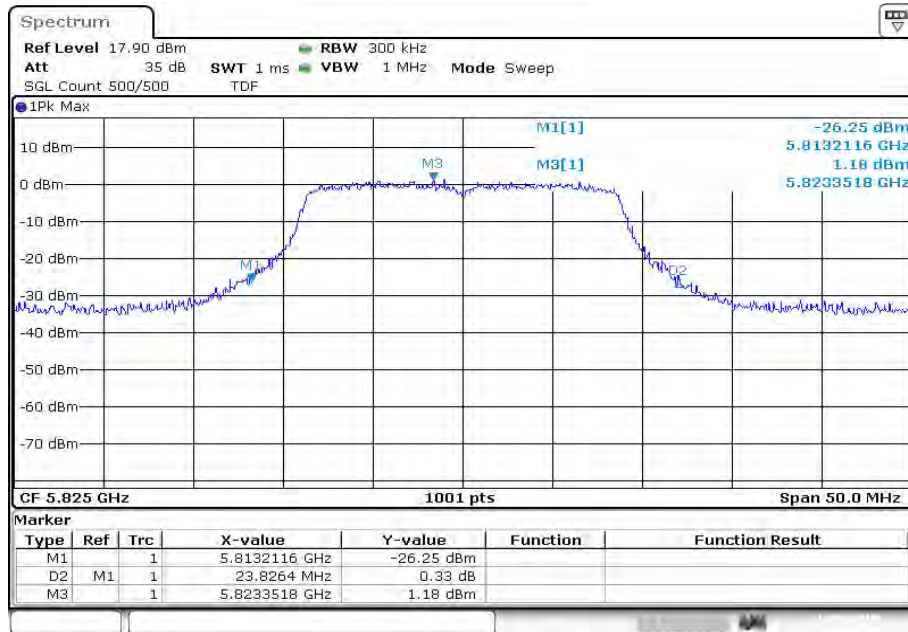
Plot 9: 5765 MHz



Plot 10: 5805 MHz



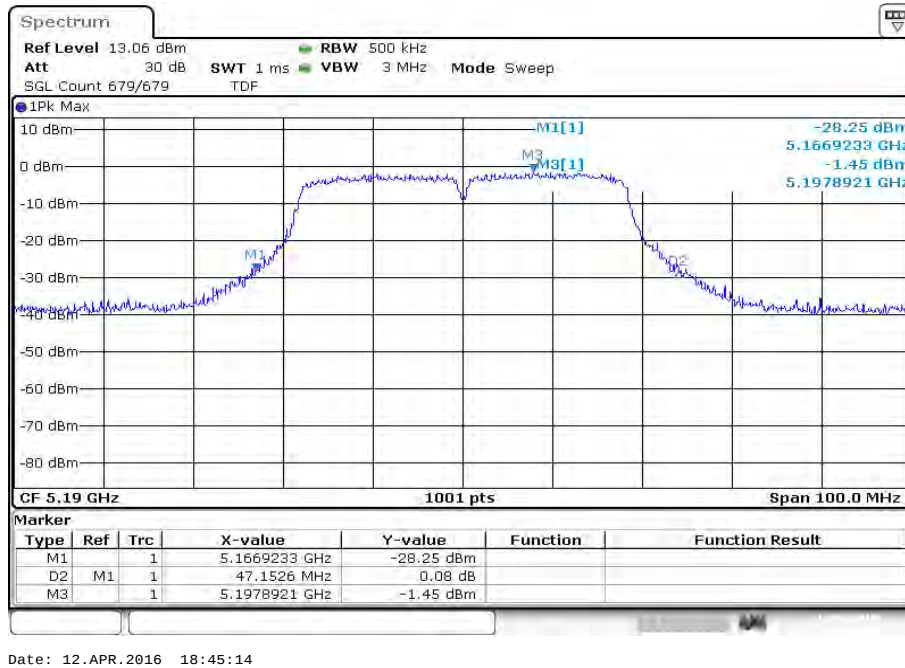
Plot 11: 5825 MHz



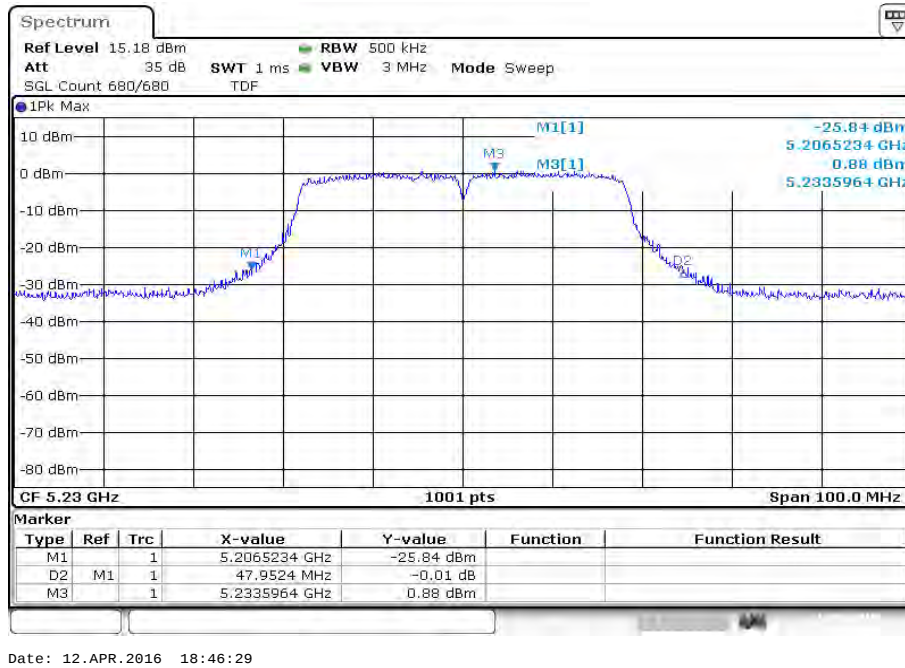
Date: 12.APR.2016 18:43:51

Plots: OFDM / n HT40 – mode, antenna port 1

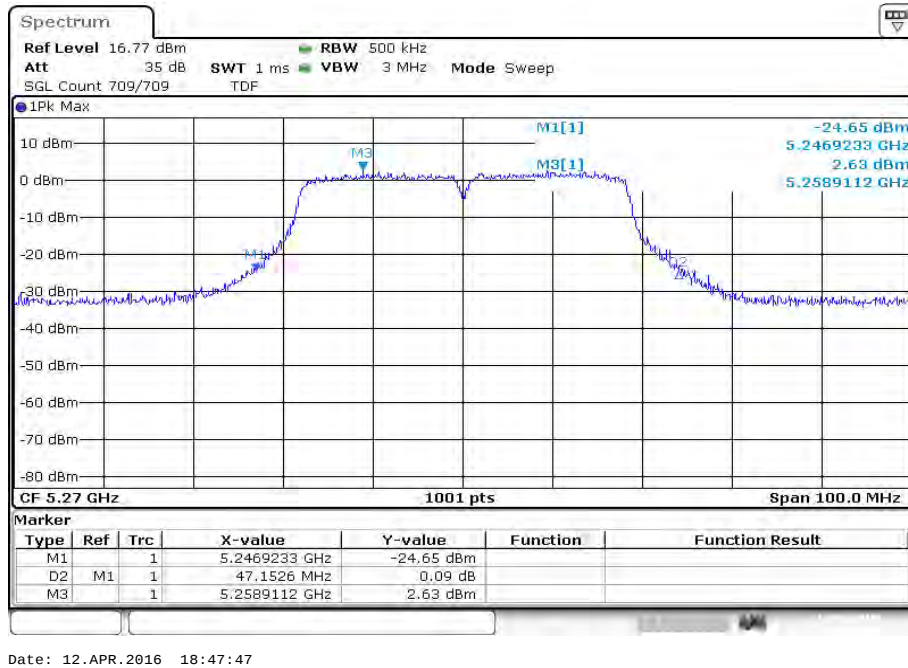
Plot 1: 5190 MHz



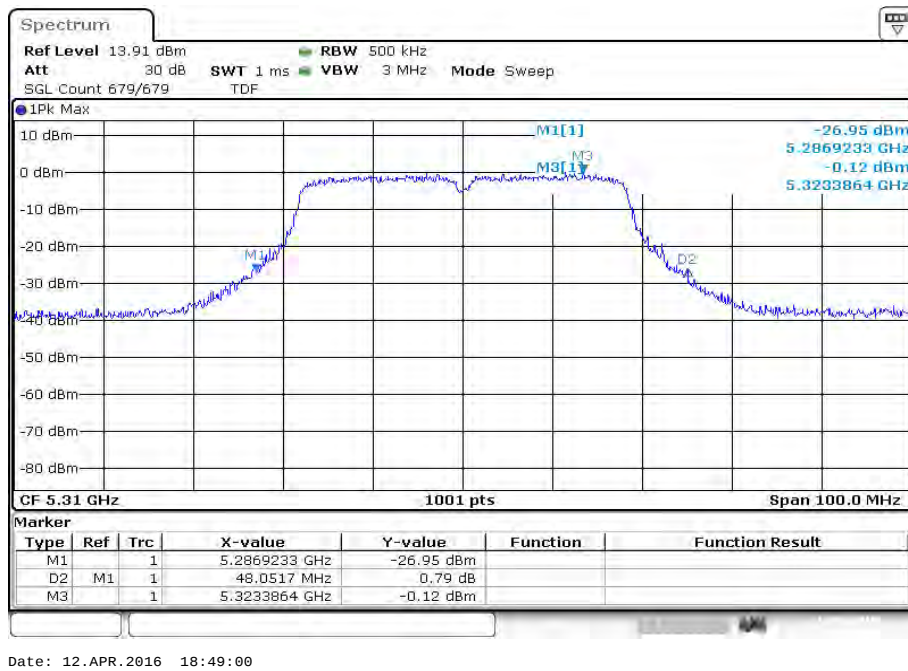
Plot 2: 5230 MHz



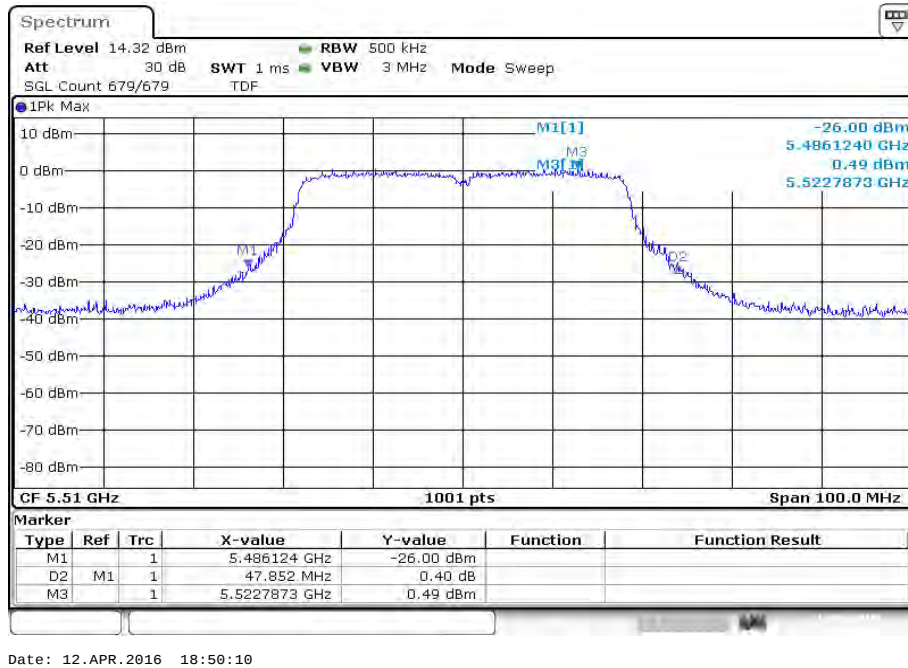
Plot 3: 5270 MHz



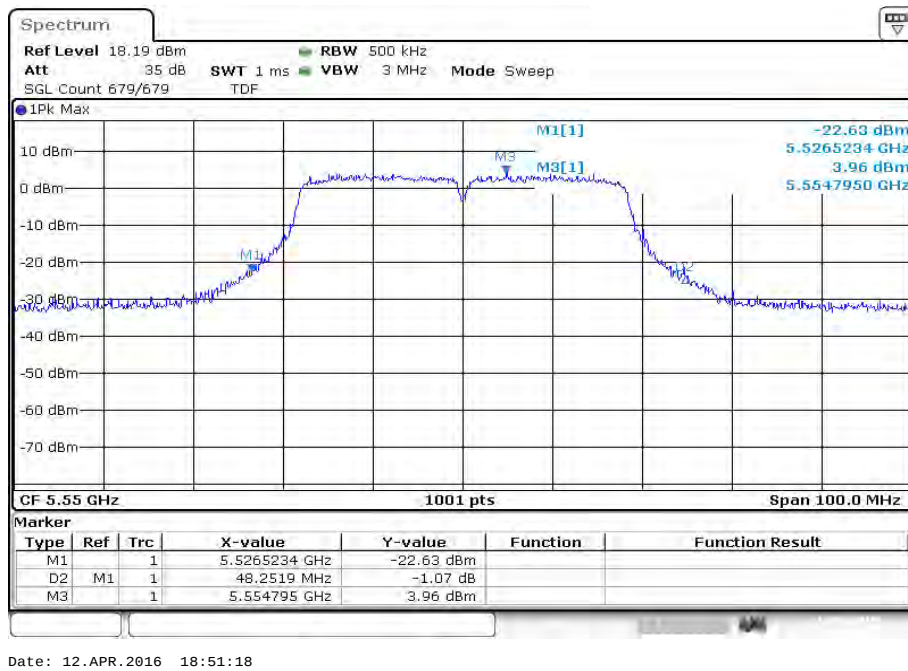
Plot 4: 5310 MHz



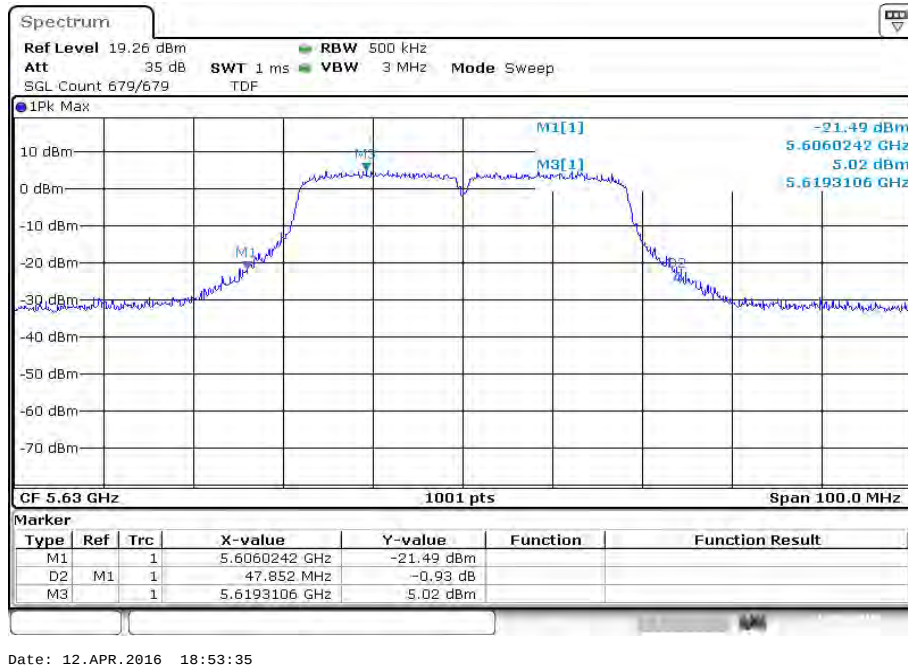
Plot 5: 5510 MHz



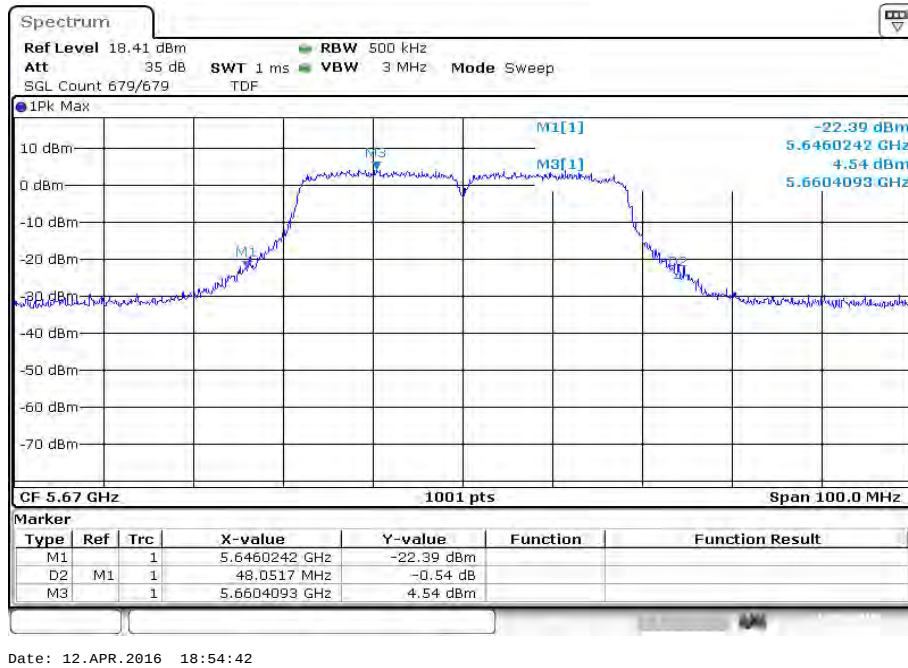
Plot 6: 5550 MHz



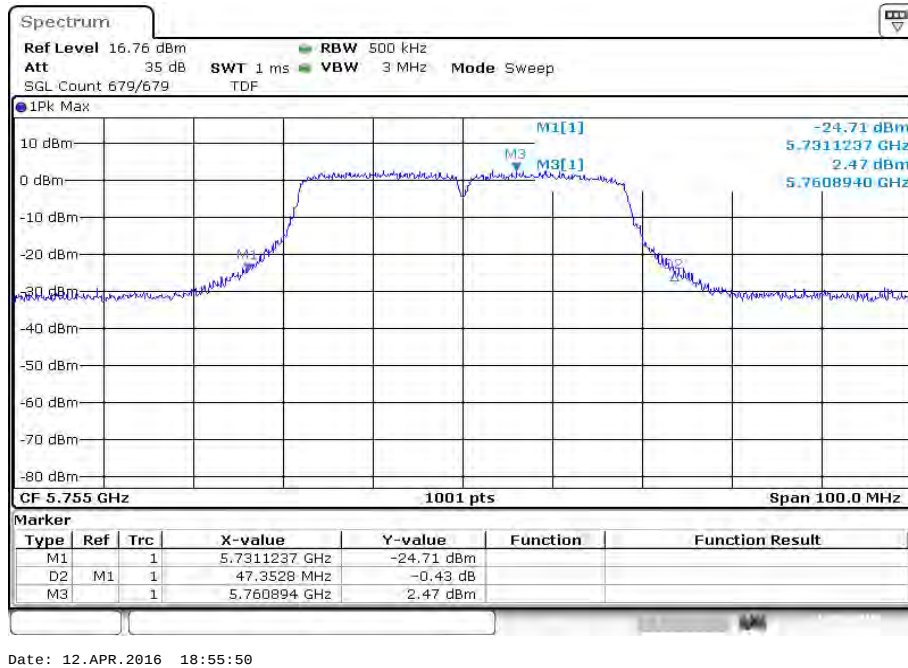
Plot 7: 5630 MHz



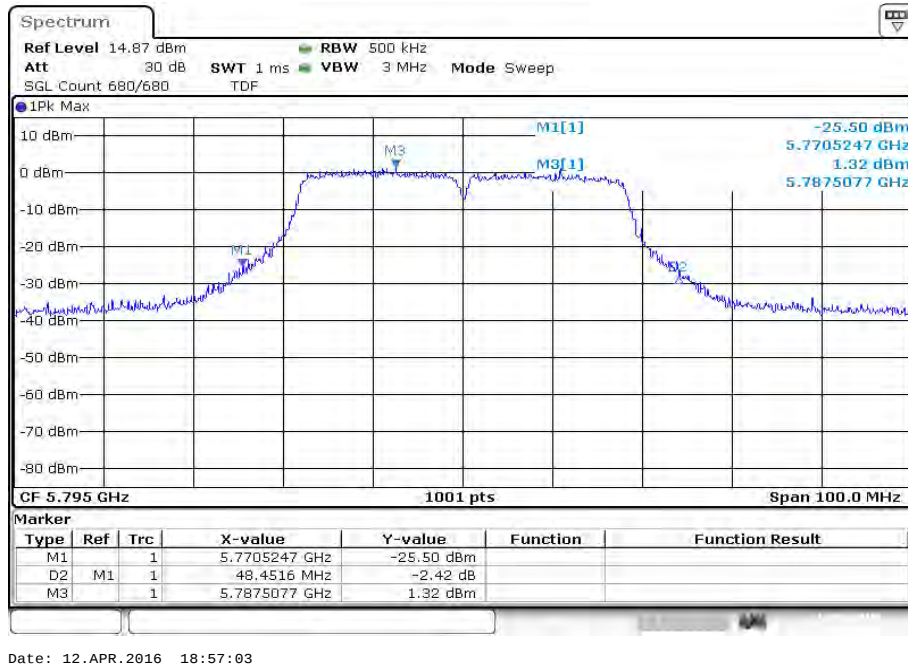
Plot 8: 5670 MHz



Plot 9: 5755 MHz

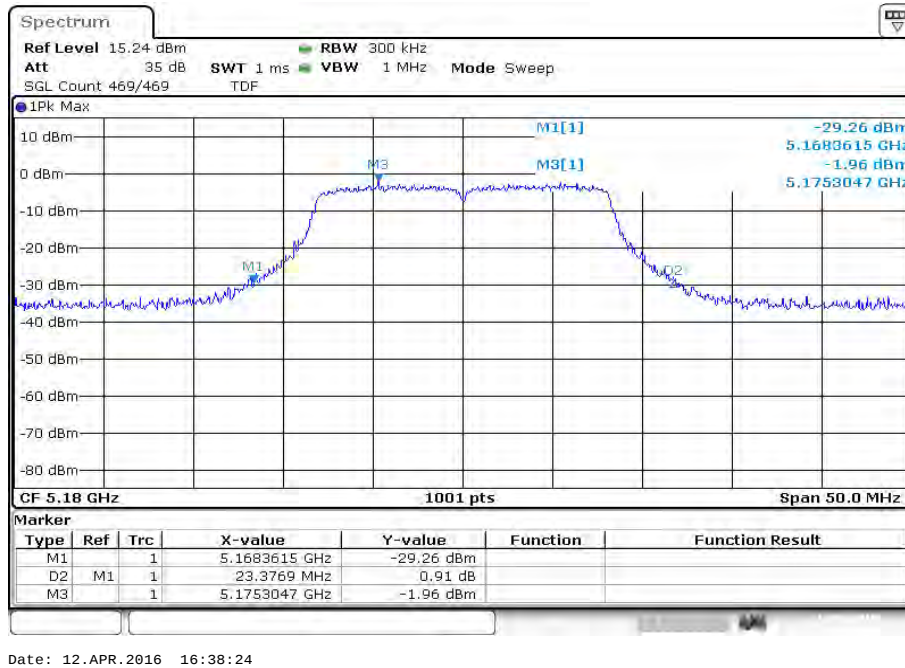


Plot 10: 5795 MHz

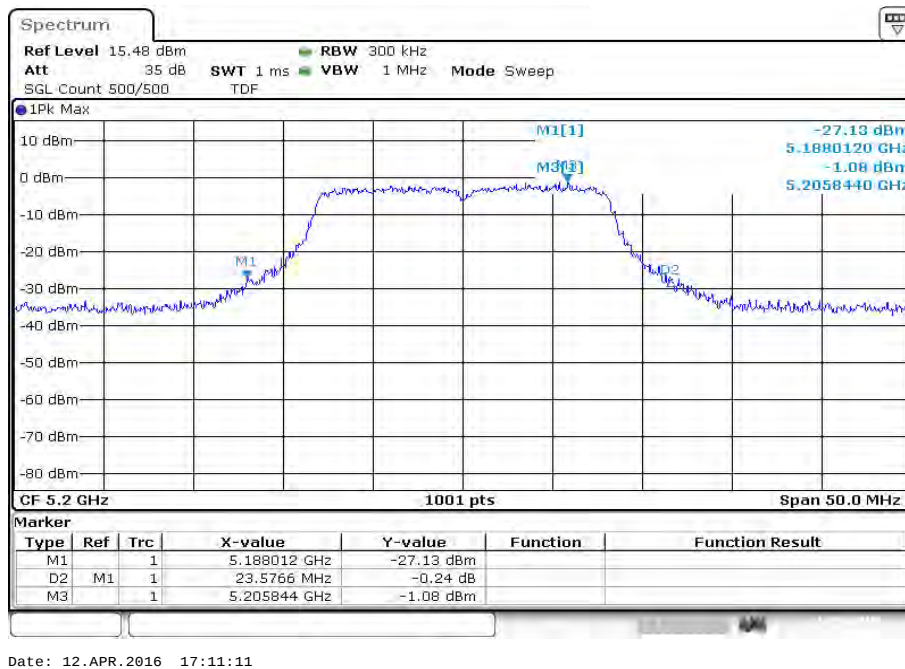


Plots: OFDM / a – mode, antenna port 2

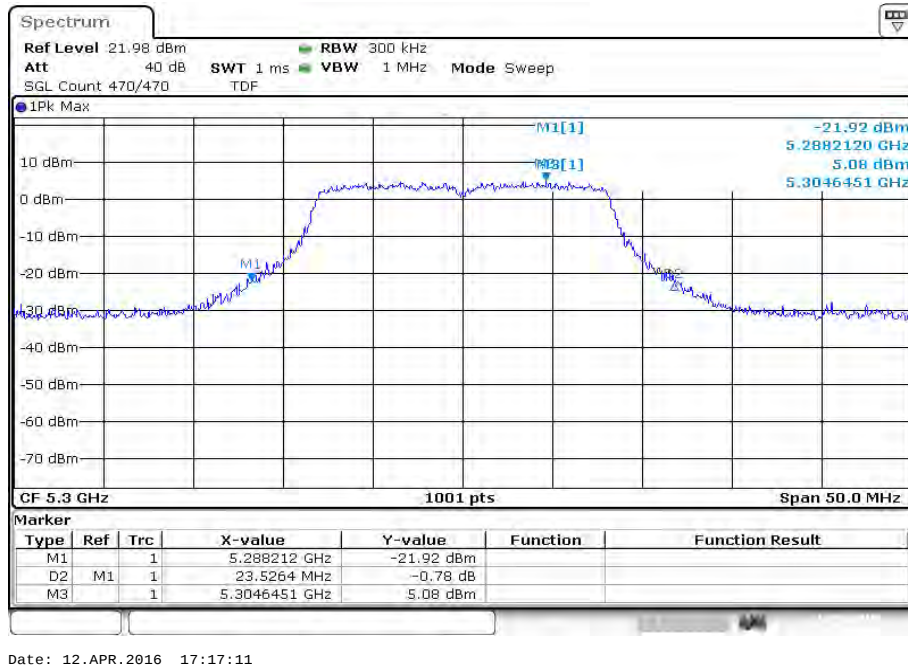
Plot 1: 5180 MHz



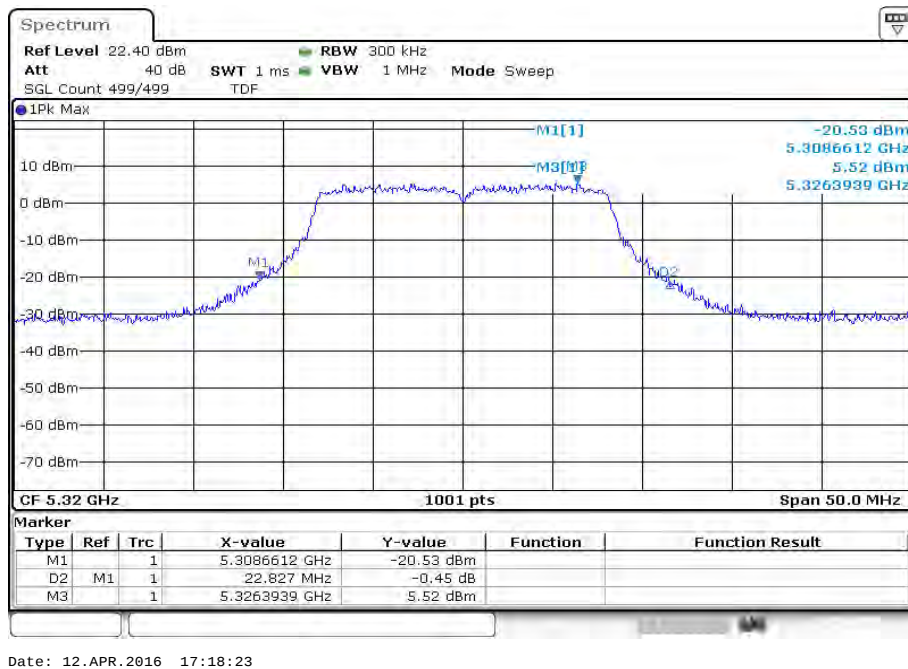
Plot 2: 5200 MHz



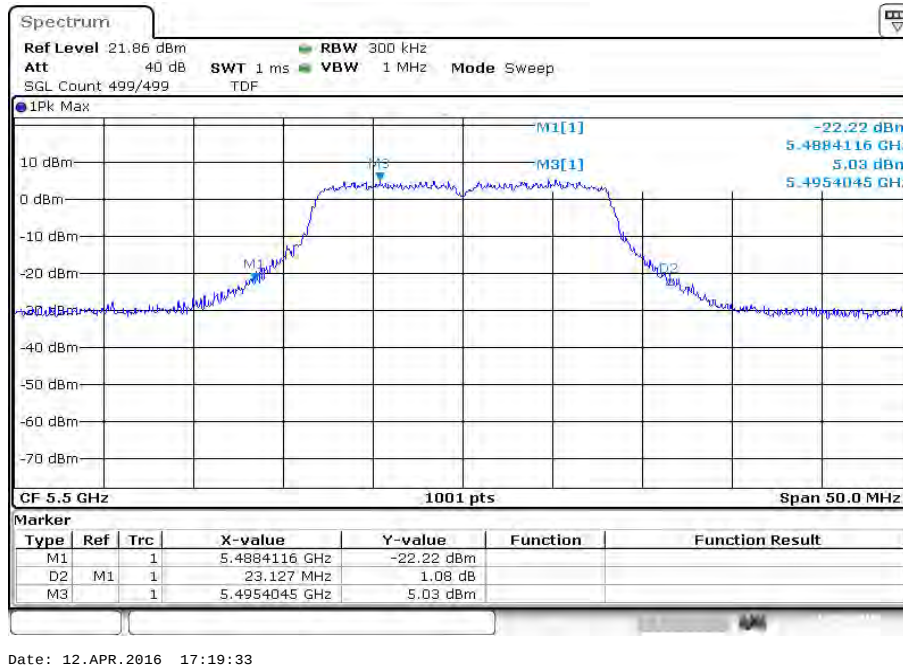
Plot 3: 5300 MHz



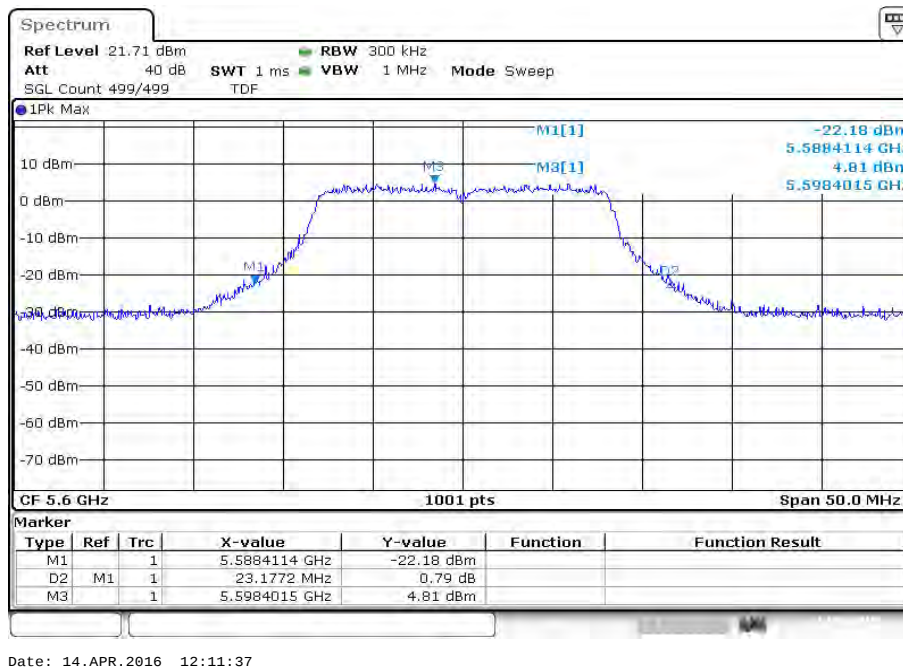
Plot 4: 5320 MHz



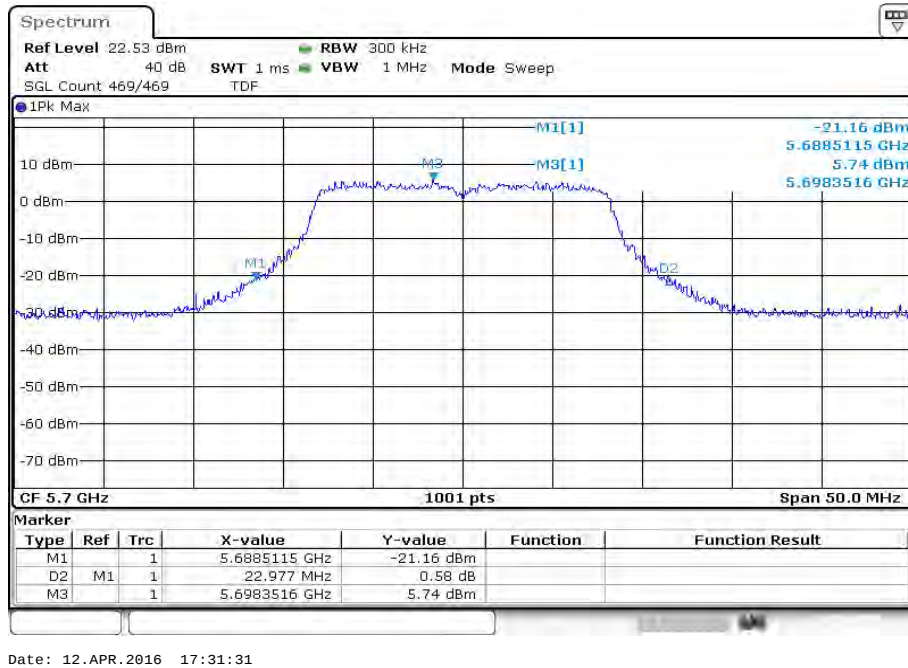
Plot 5: 5500 MHz



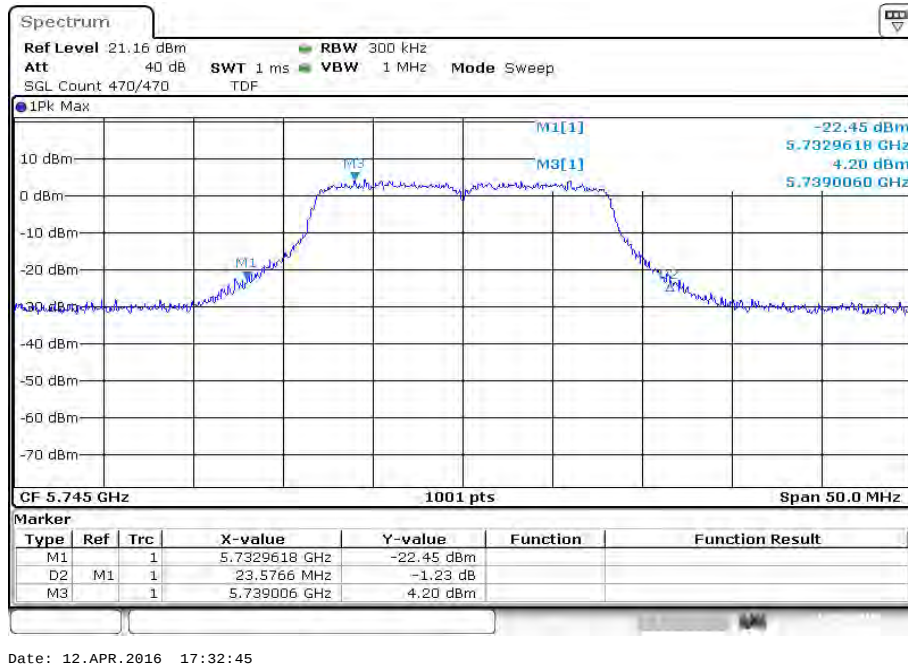
Plot 6: 5600 MHz



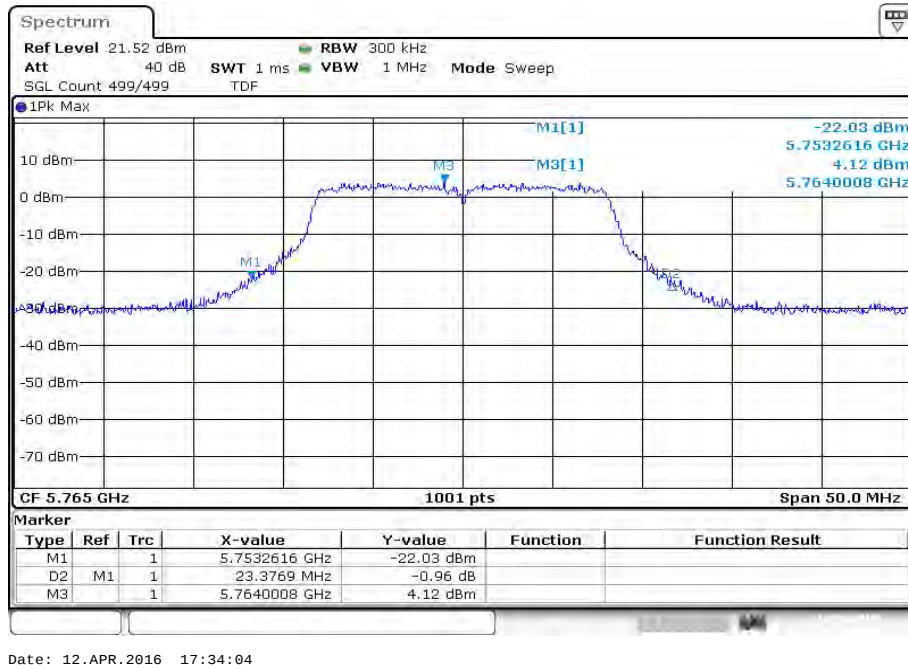
Plot 7: 5700 MHz



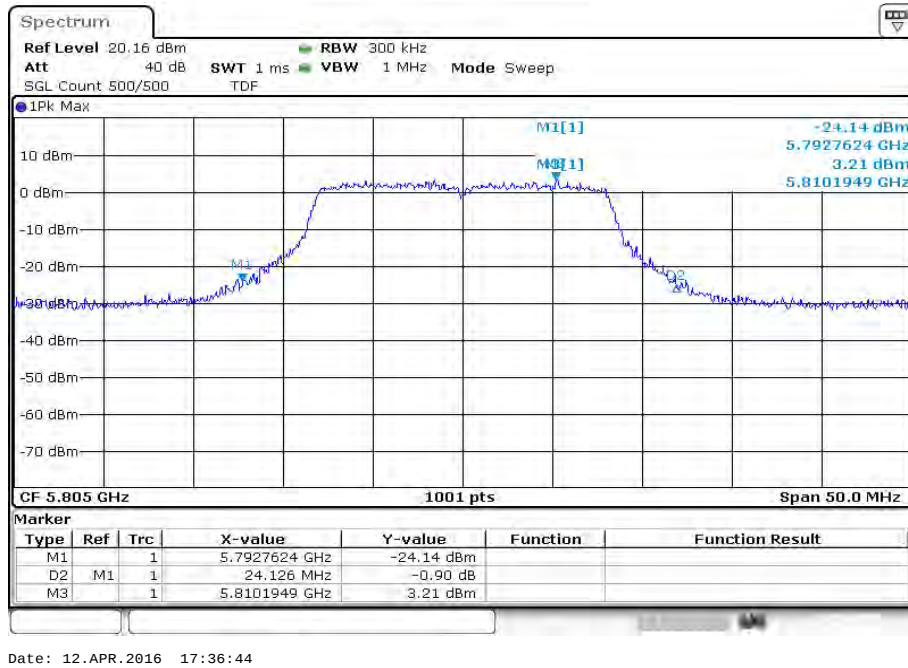
Plot 8: 5745 MHz



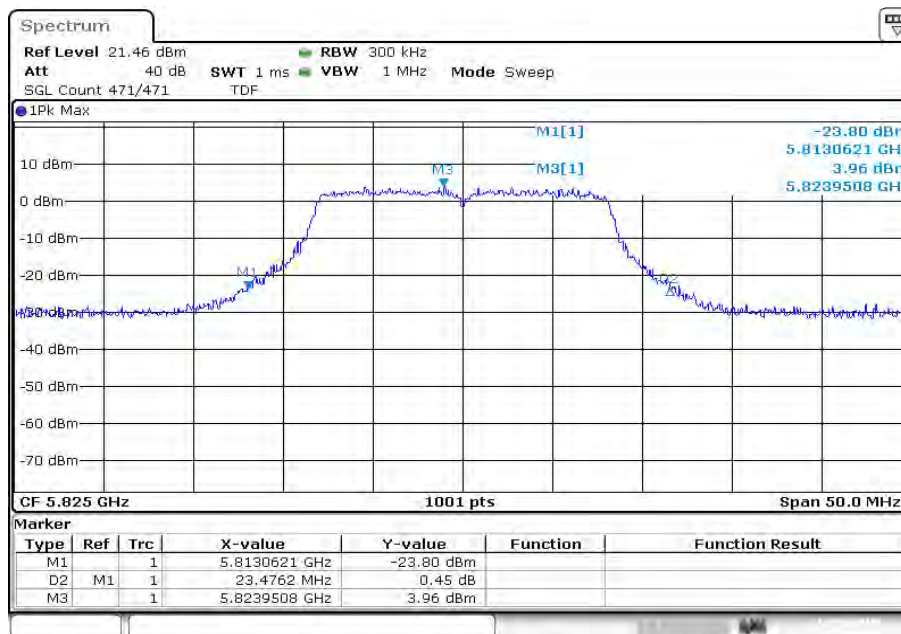
Plot 9: 5765 MHz



Plot 10: 5805 MHz

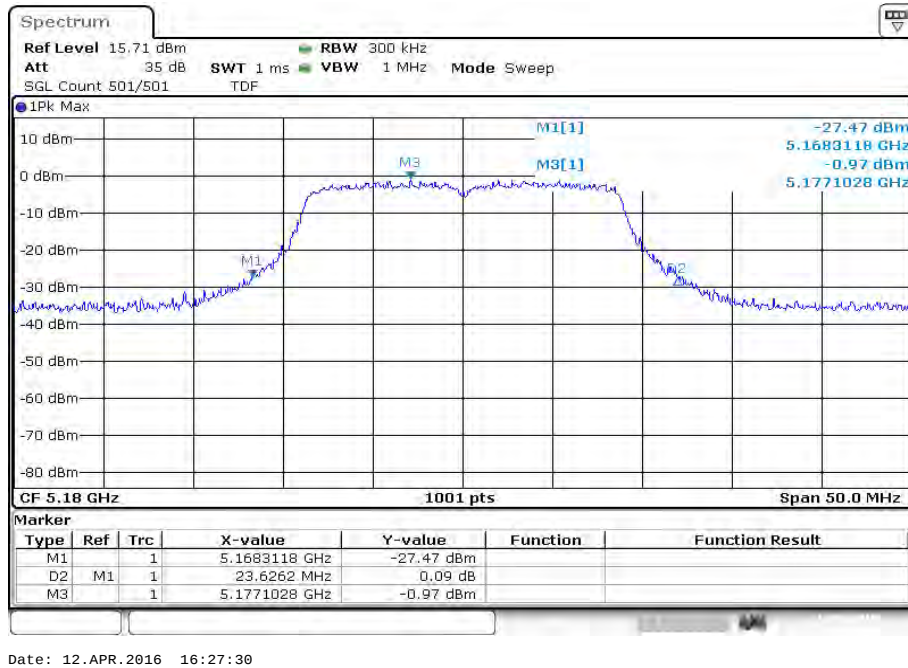


Plot 11: 5825 MHz

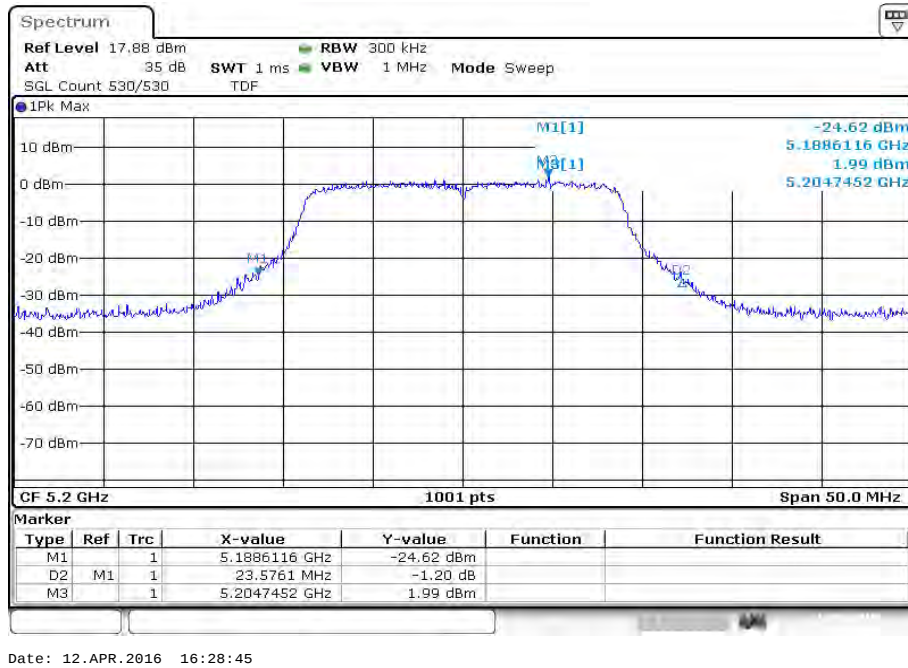


Plots: OFDM / n HT20 – mode, antenna port 2

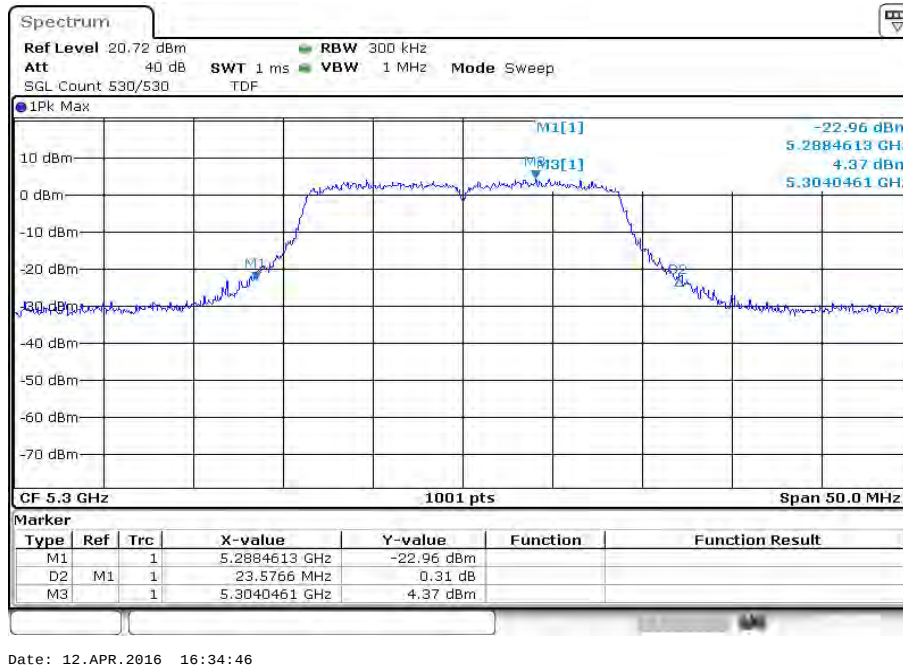
Plot 1: 5180 MHz



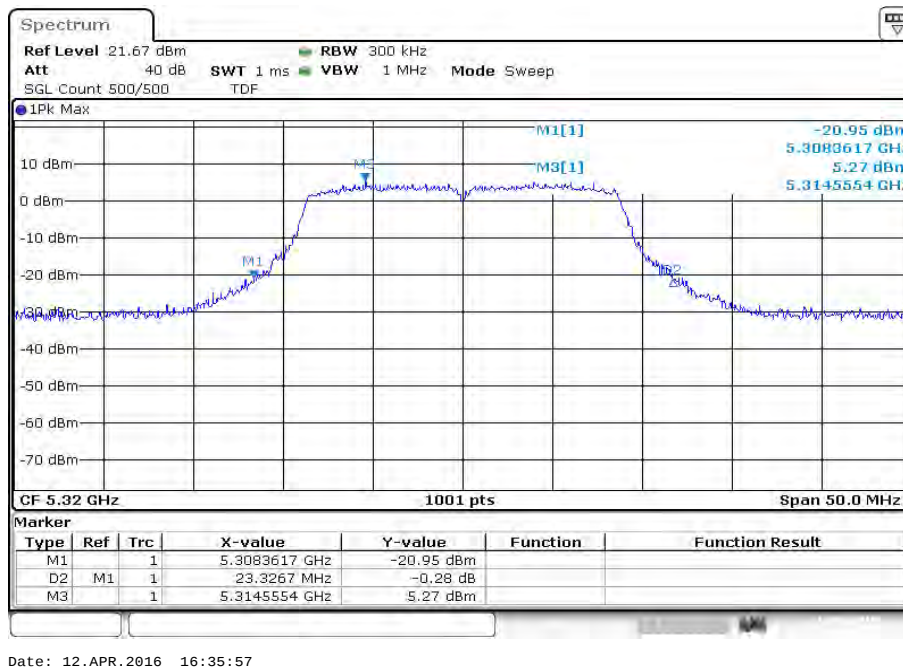
Plot 2: 5200 MHz



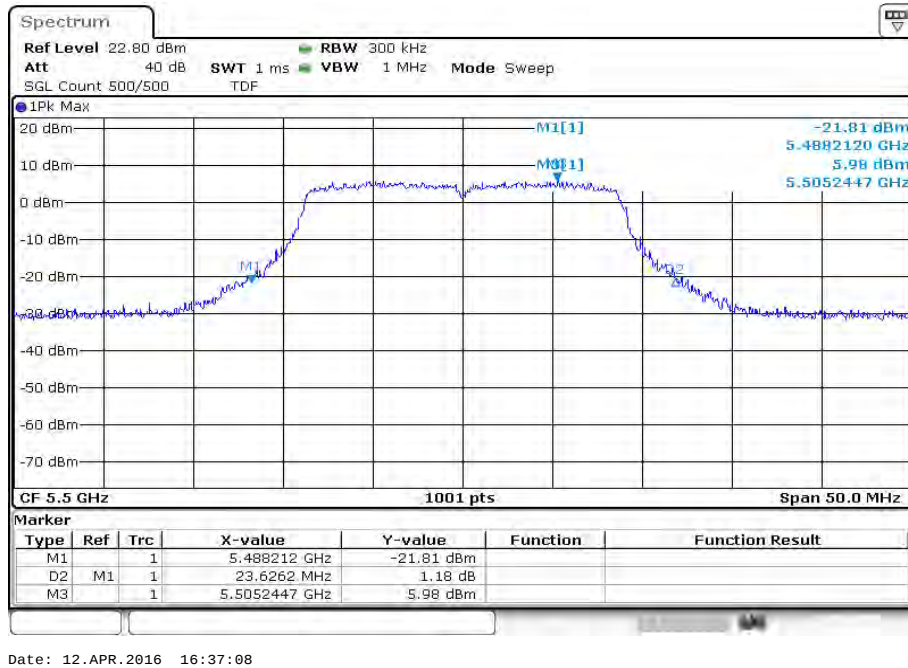
Plot 3: 5300 MHz



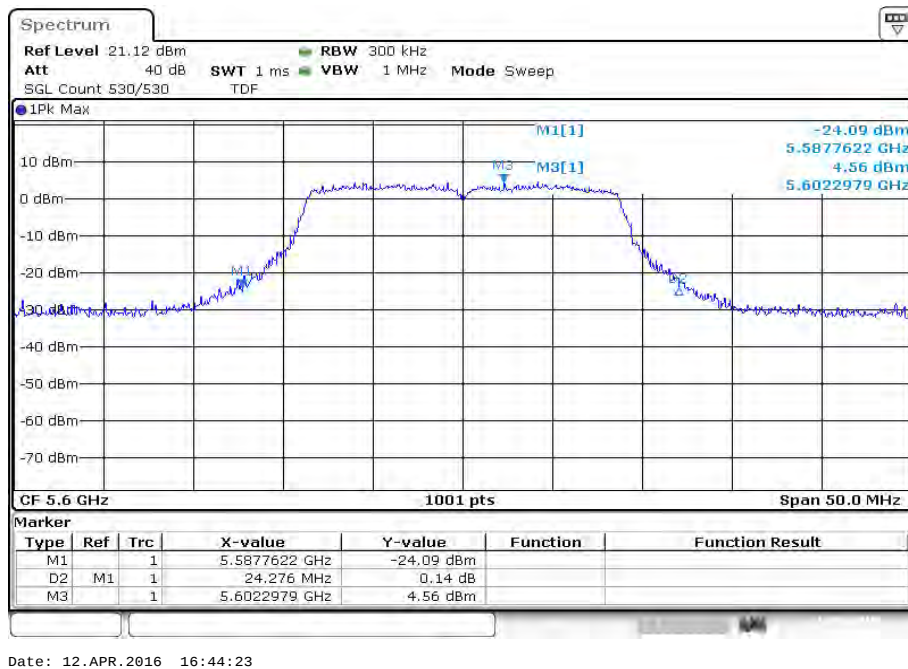
Plot 4: 5320 MHz



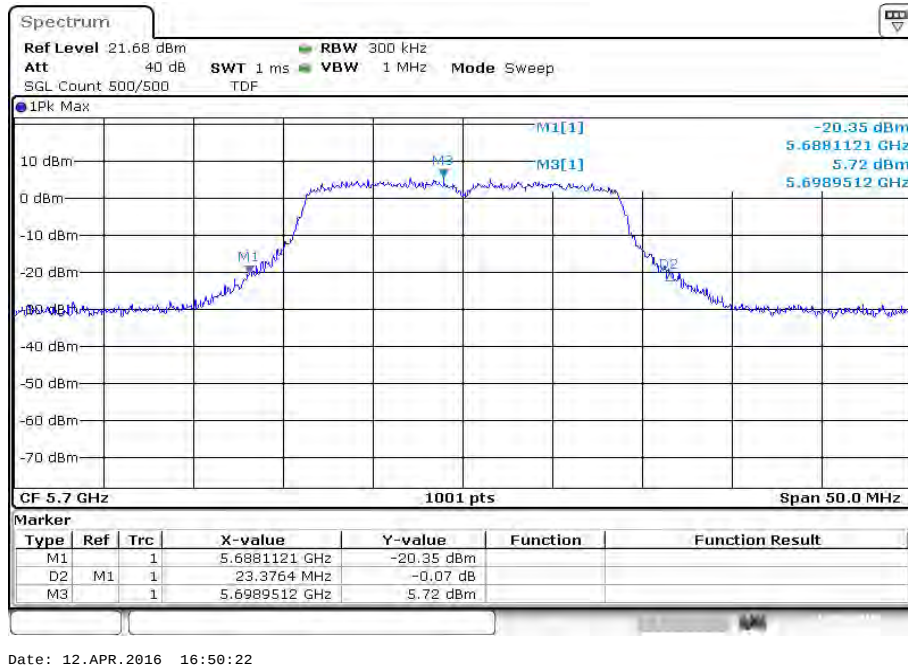
Plot 5: 5500 MHz



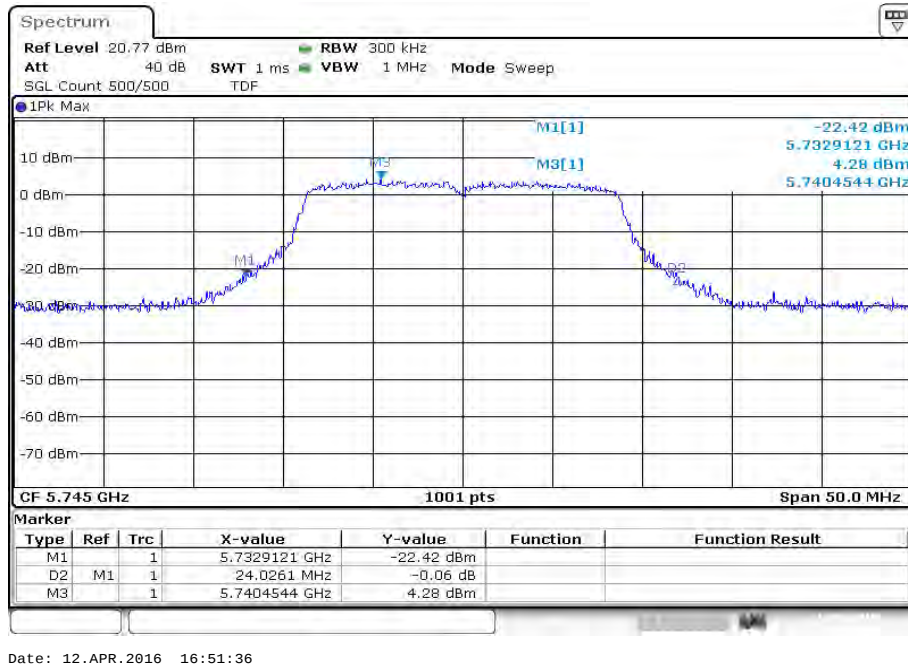
Plot 6: 5600 MHz



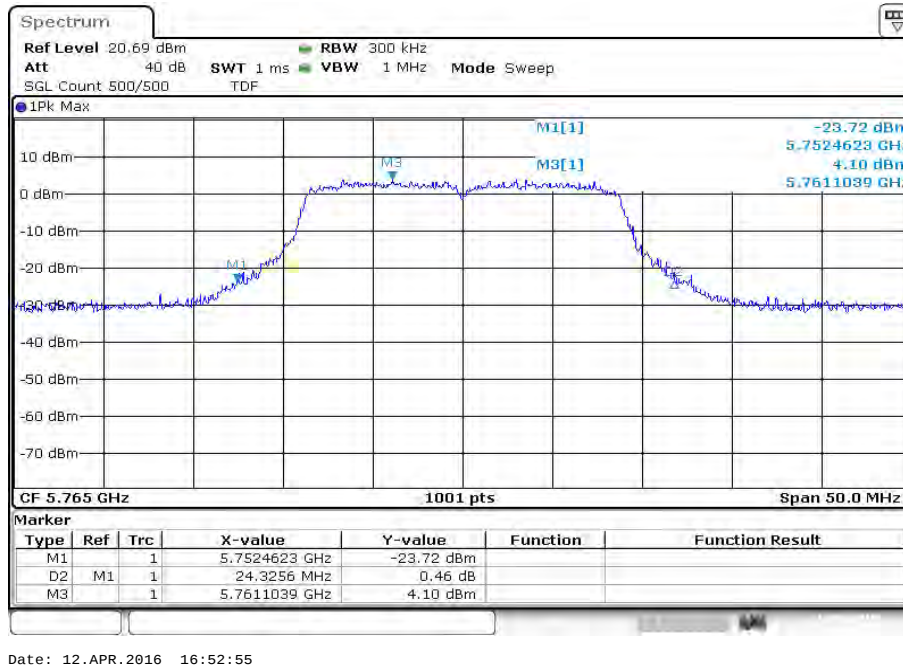
Plot 7: 5700 MHz



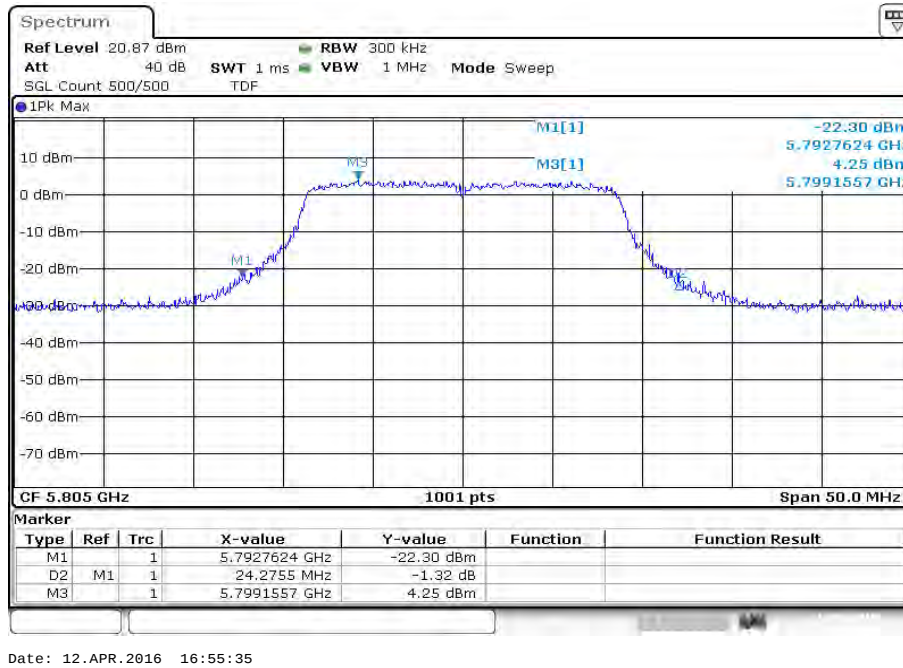
Plot 8: 5745 MHz



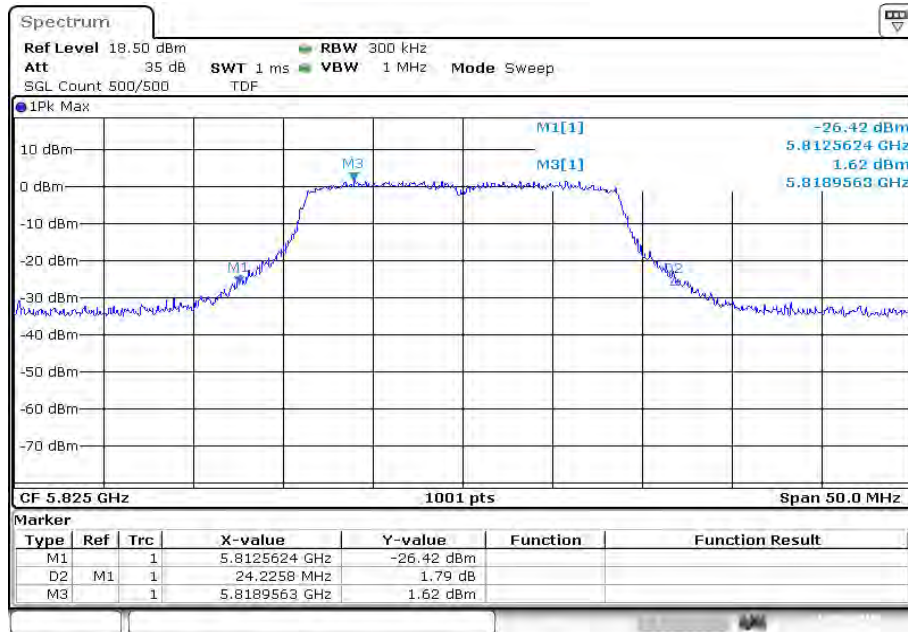
Plot 9: 5765 MHz



Plot 10: 5805 MHz



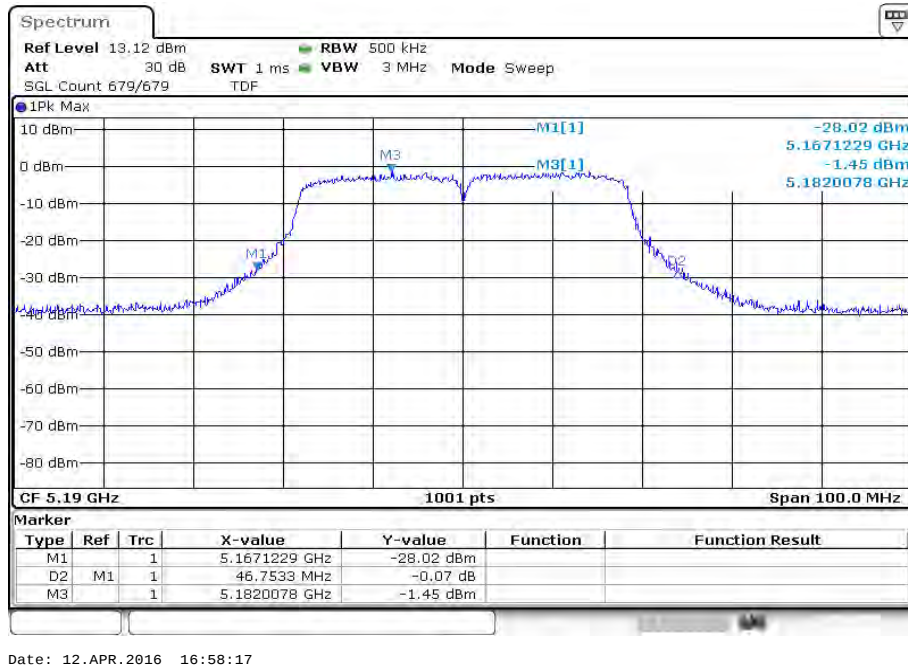
Plot 11: 5825 MHz



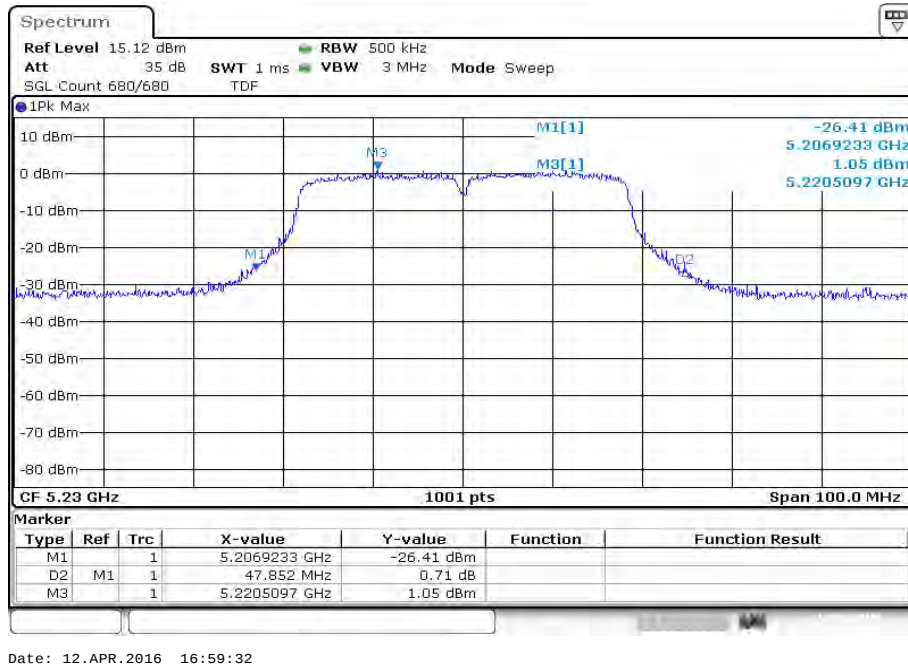
Date: 12.APR.2016 16:56:55

Plots: OFDM / n HT40 – mode, antenna port 2

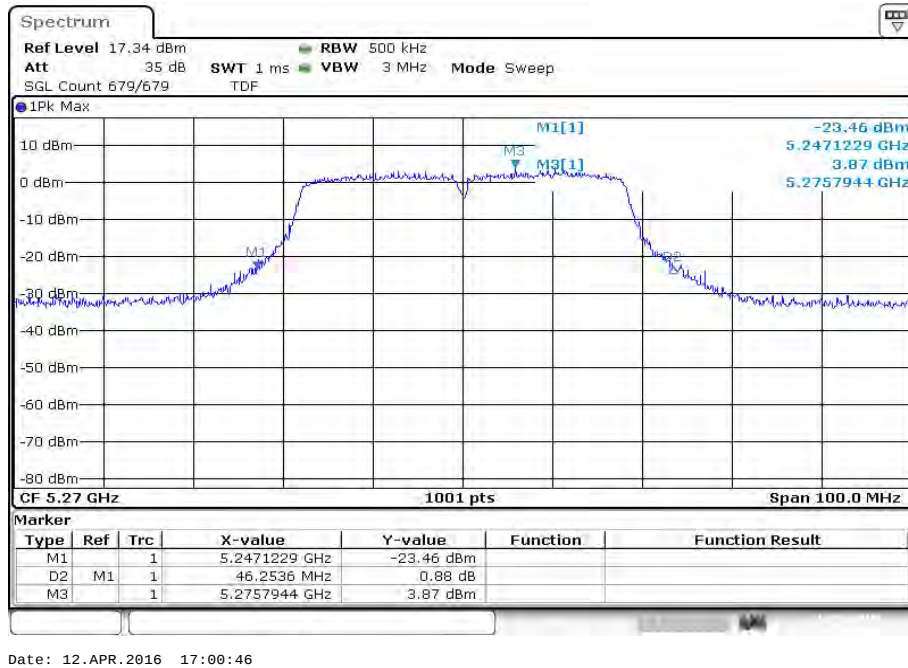
Plot 1: 5190 MHz



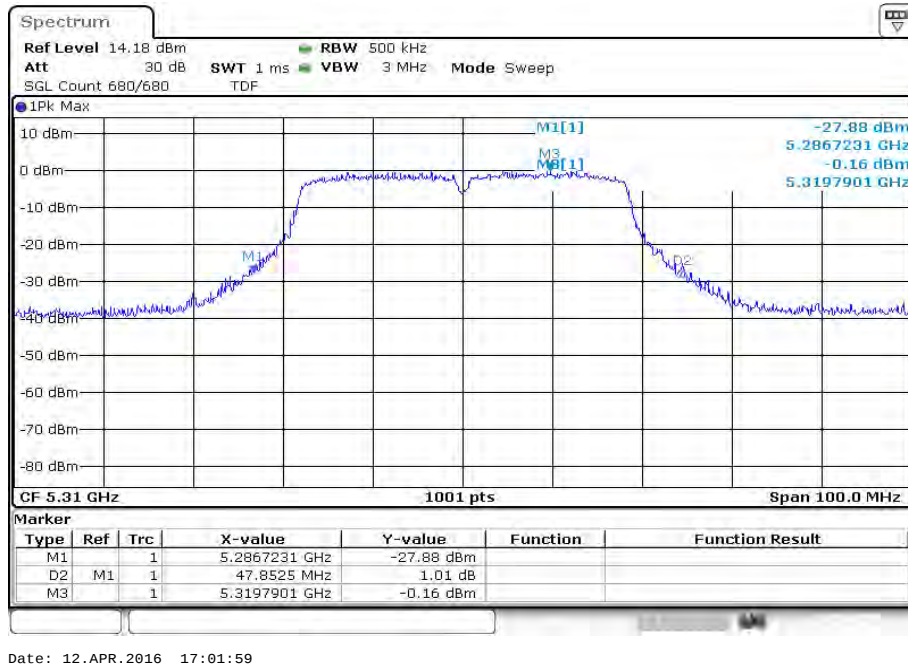
Plot 2: 5230 MHz



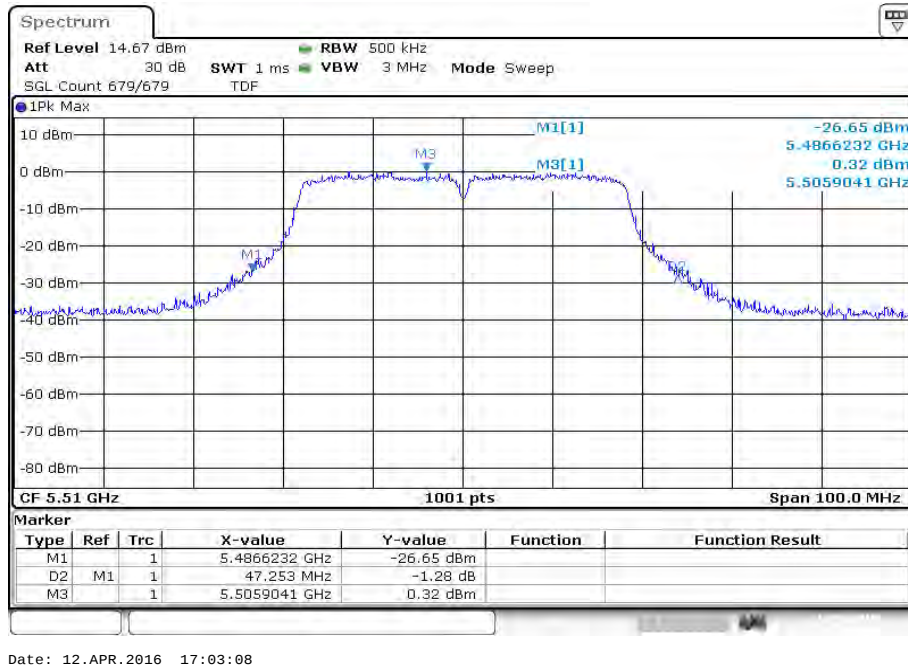
Plot 3: 5270 MHz



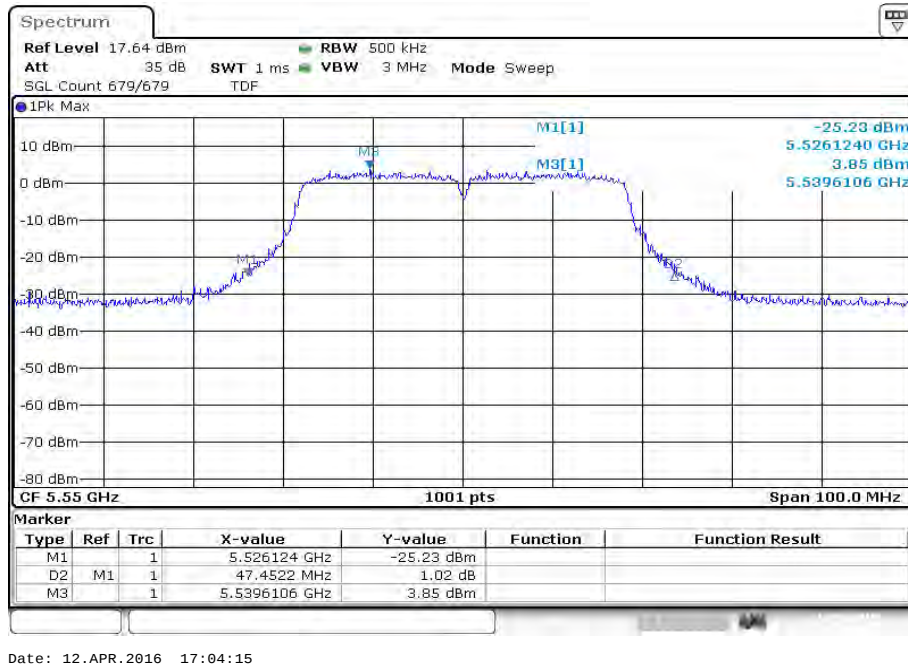
Plot 4: 5310 MHz



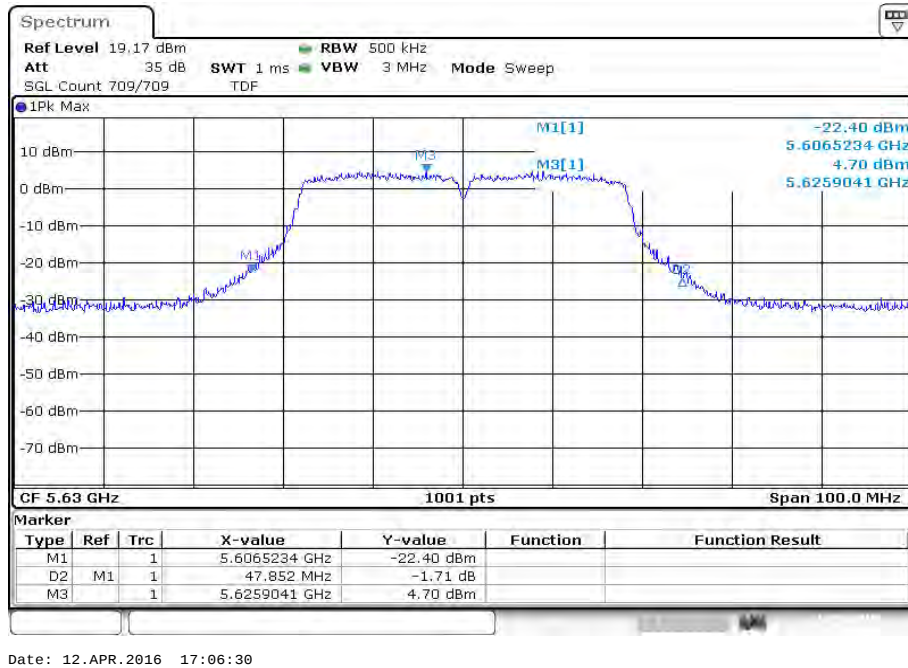
Plot 5: 5510 MHz



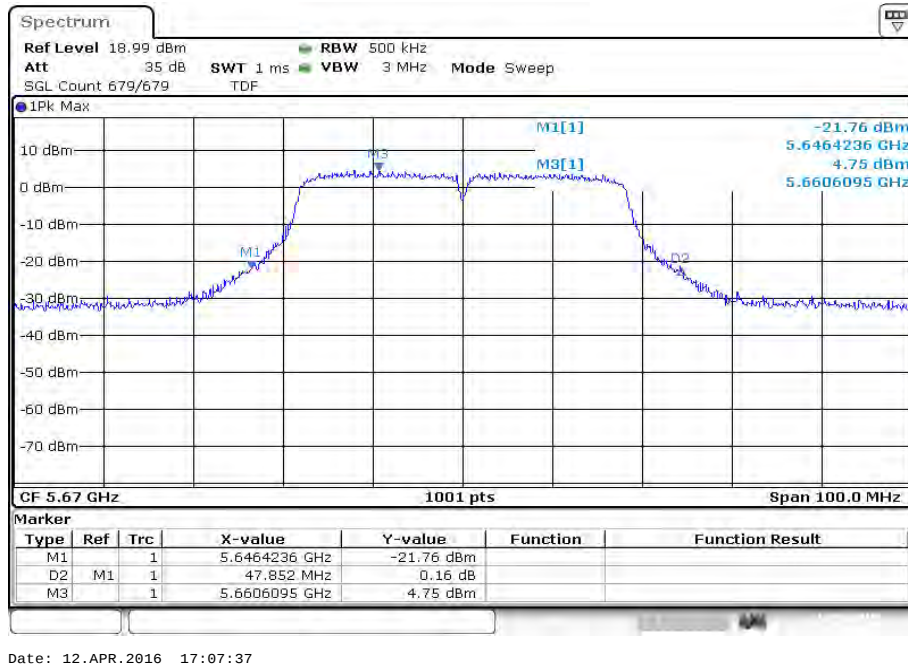
Plot 6: 5550 MHz



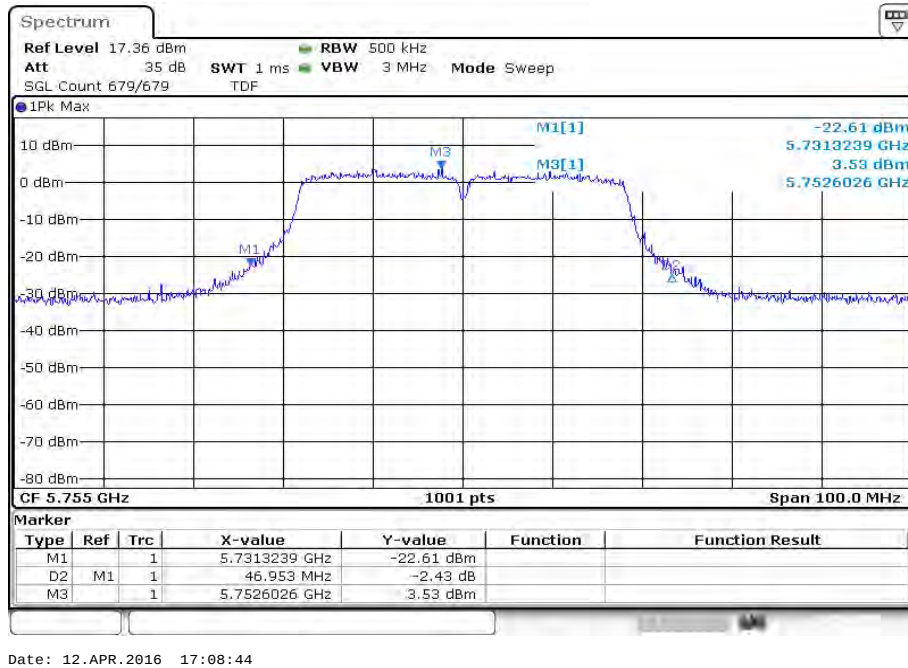
Plot 7: 5630 MHz



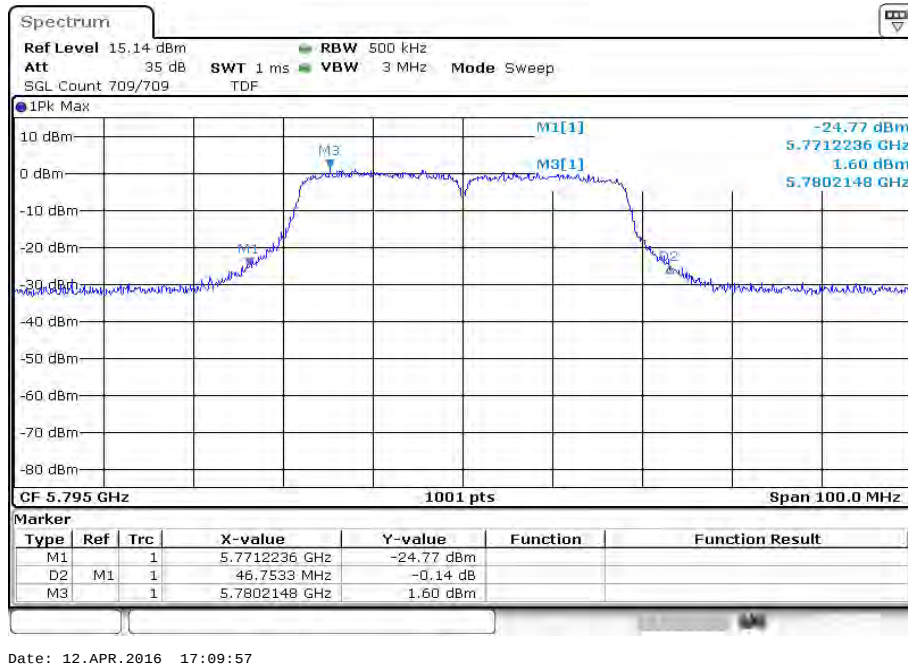
Plot 8: 5670 MHz



Plot 9: 5755 MHz

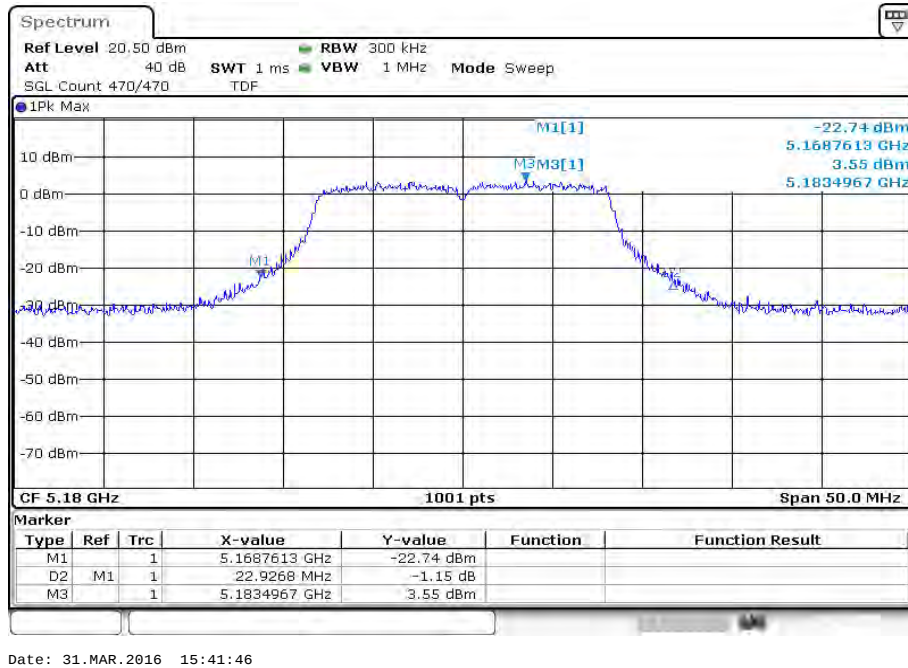


Plot 10: 5795 MHz

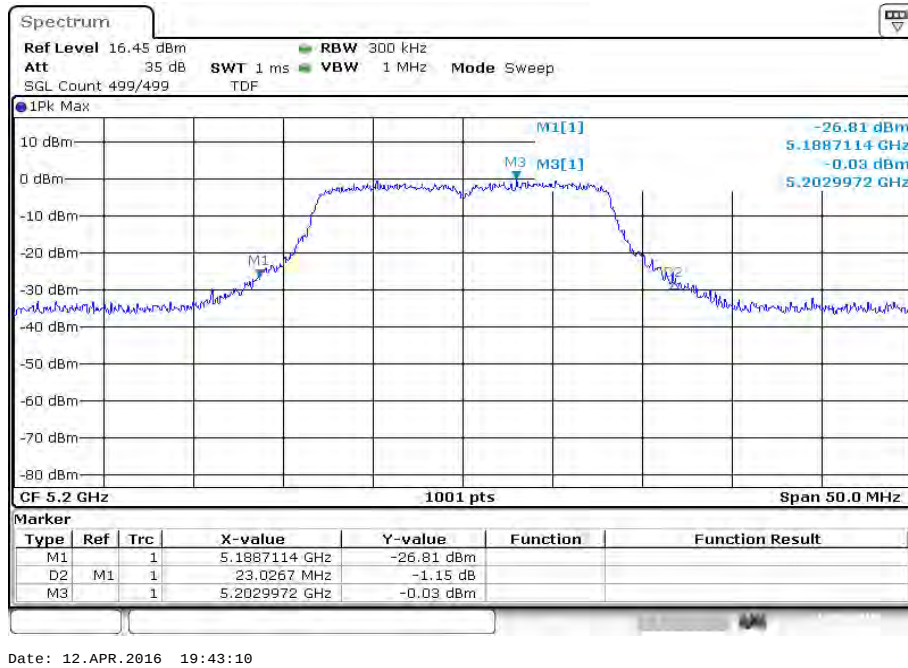


Plots: OFDM / a – mode, antenna port 3

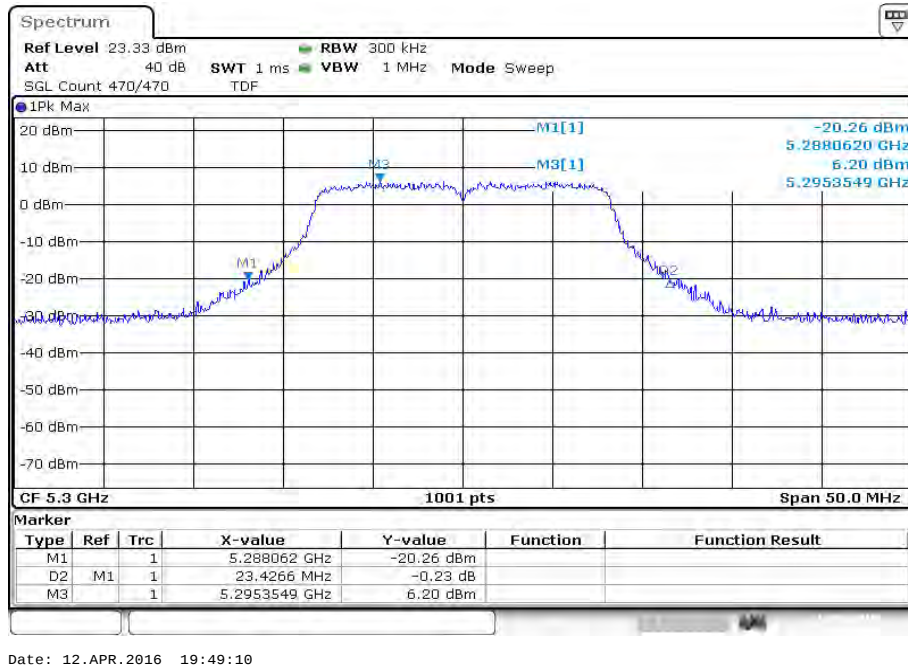
Plot 1: 5180 MHz



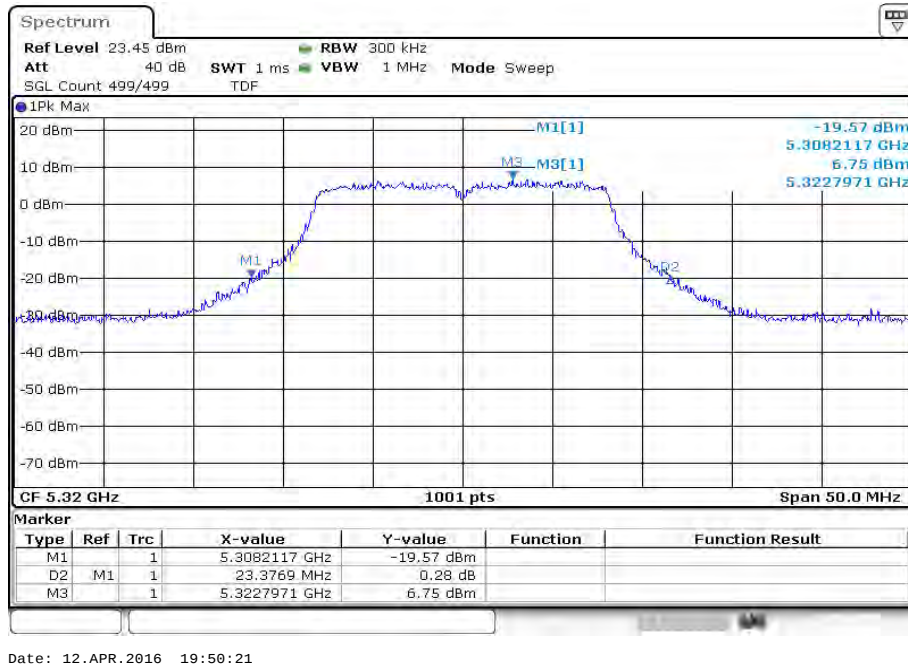
Plot 2: 5200 MHz



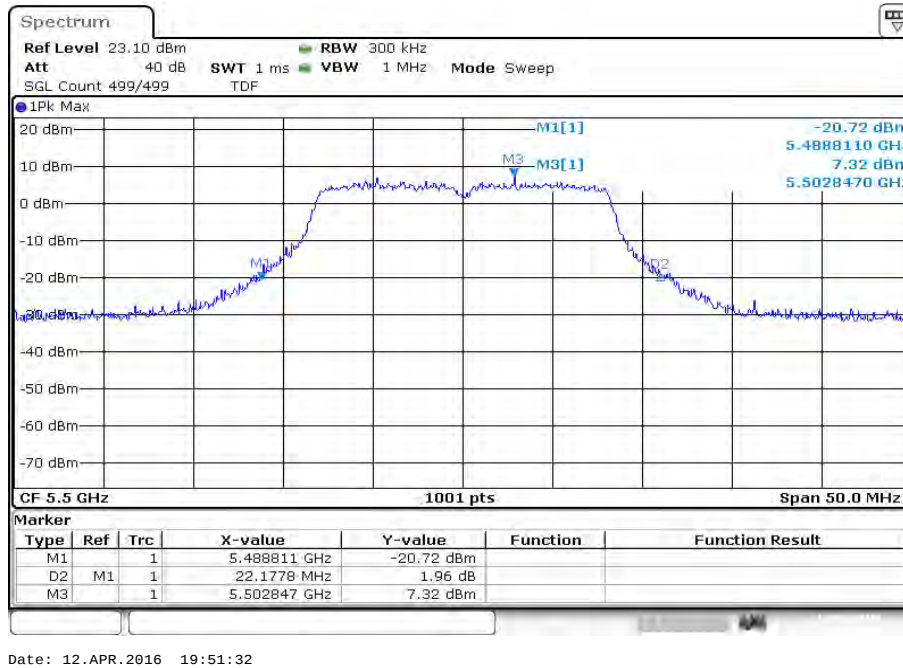
Plot 3: 5300 MHz



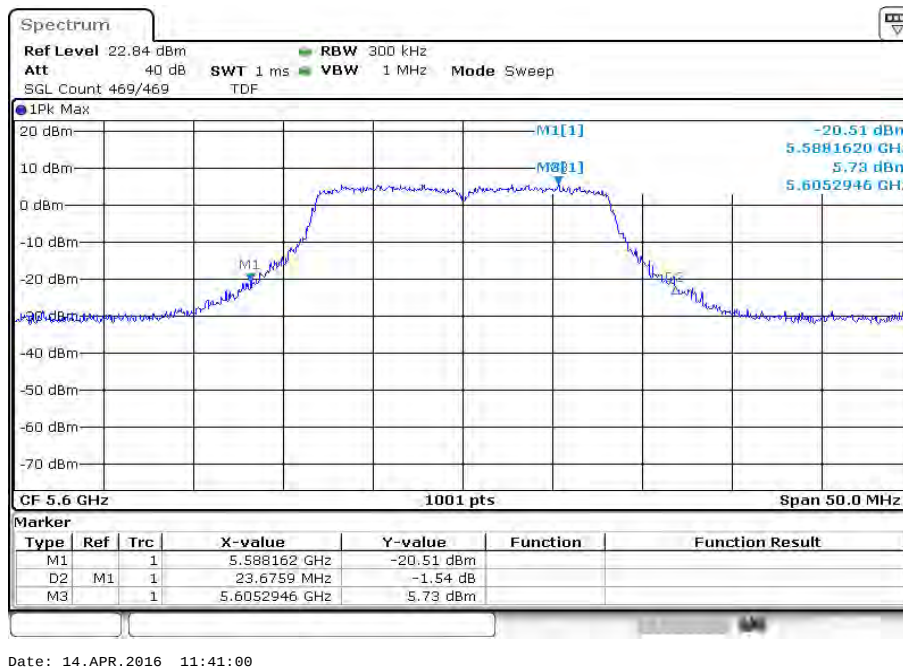
Plot 4: 5320 MHz



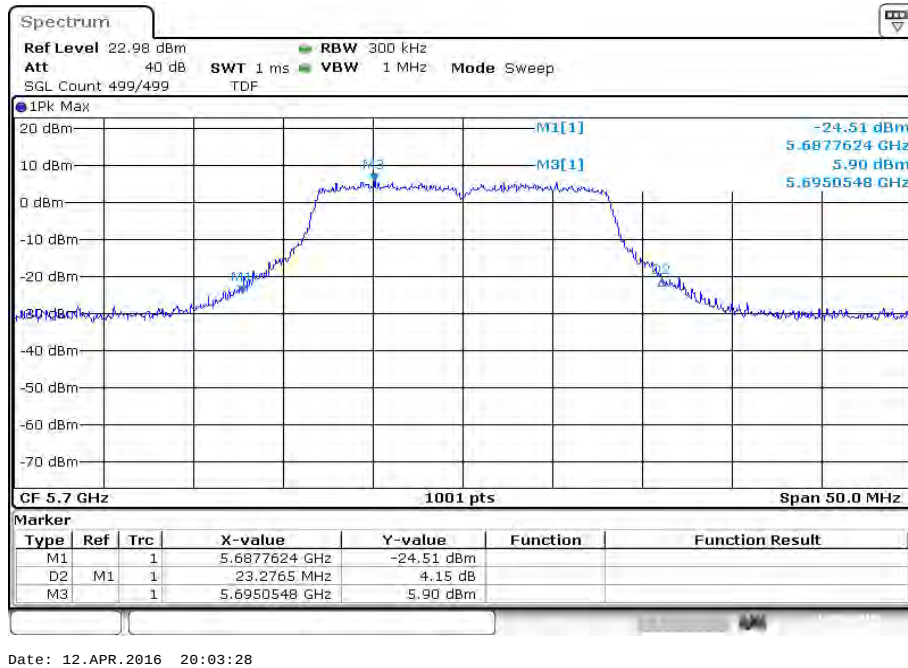
Plot 5: 5500 MHz



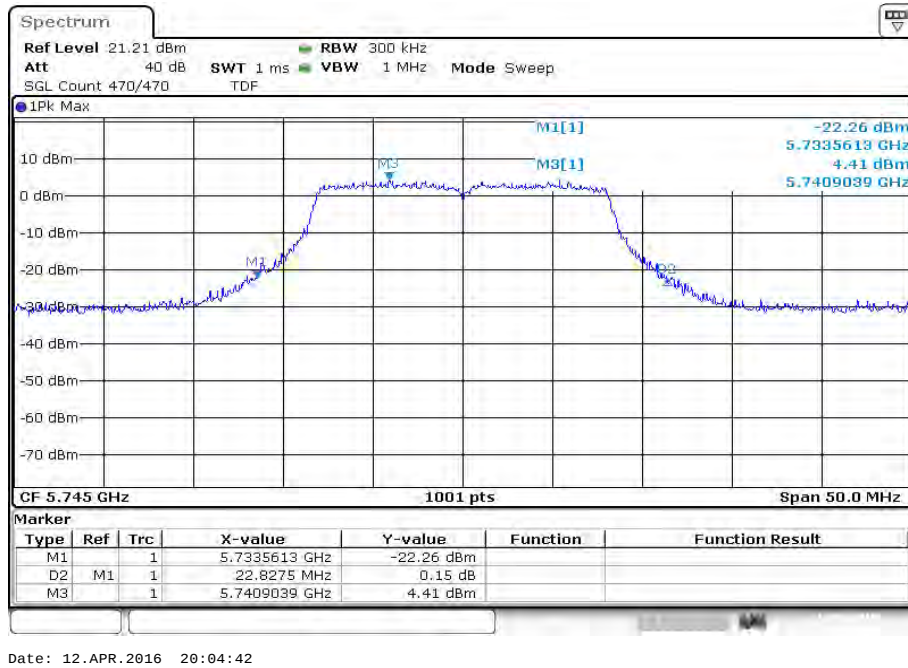
Plot 6: 5600 MHz



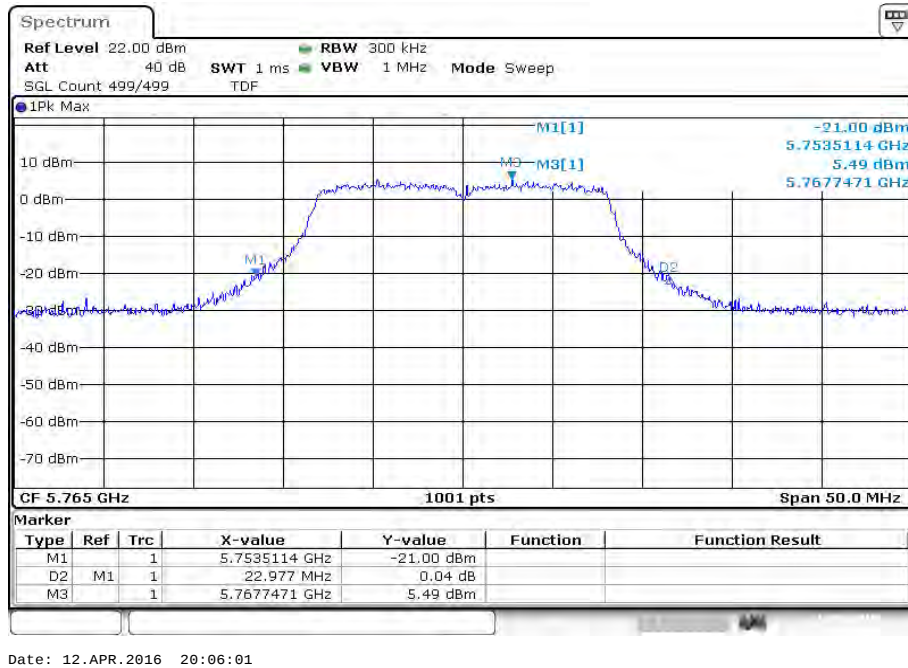
Plot 7: 5700 MHz



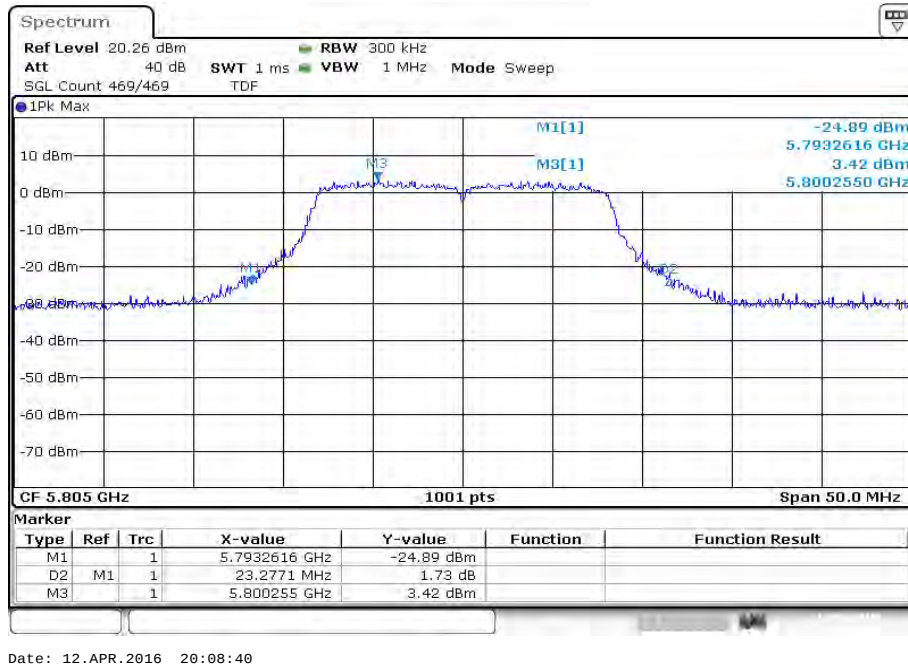
Plot 8: 5745 MHz



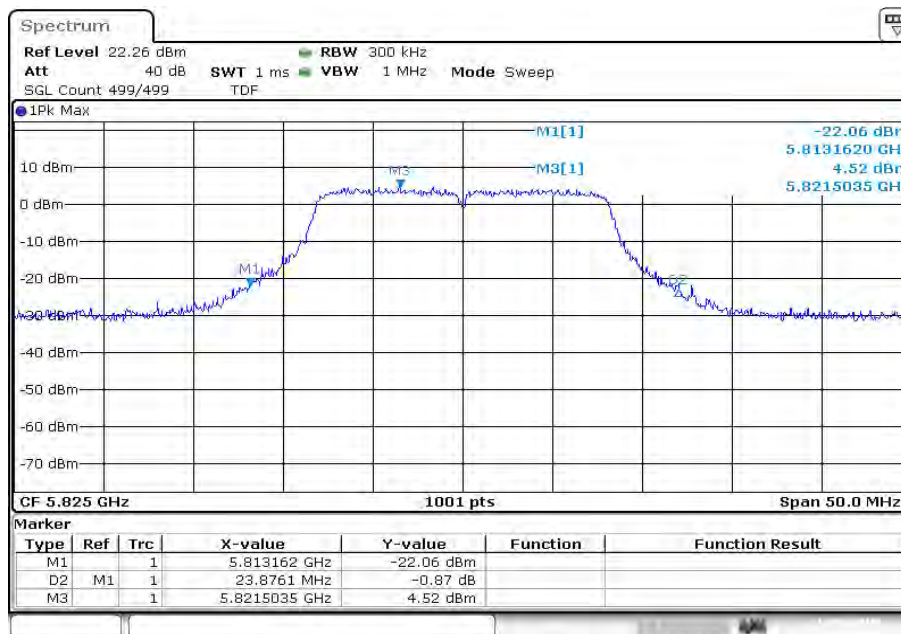
Plot 9: 5765 MHz



Plot 10: 5805 MHz



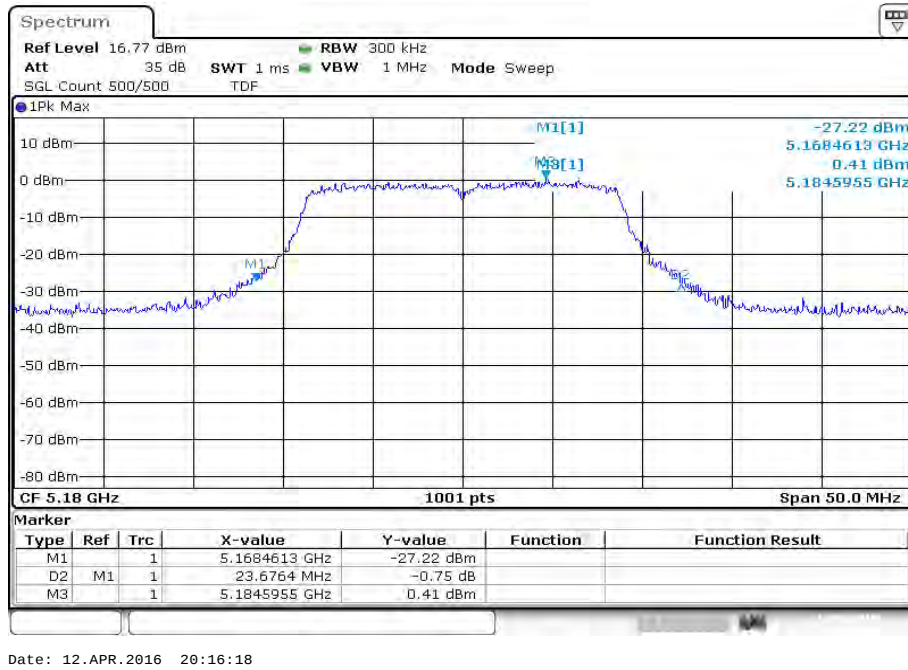
Plot 11: 5825 MHz



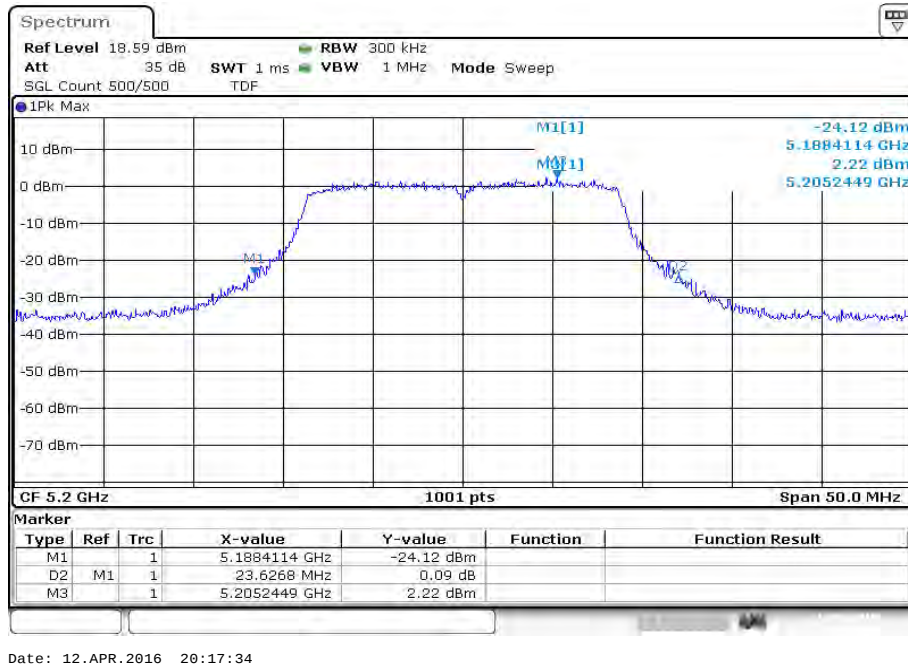
Date: 12.APR.2016 20:10:00

Plots: OFDM / n HT20 – mode, antenna port 3

Plot 1: 5180 MHz



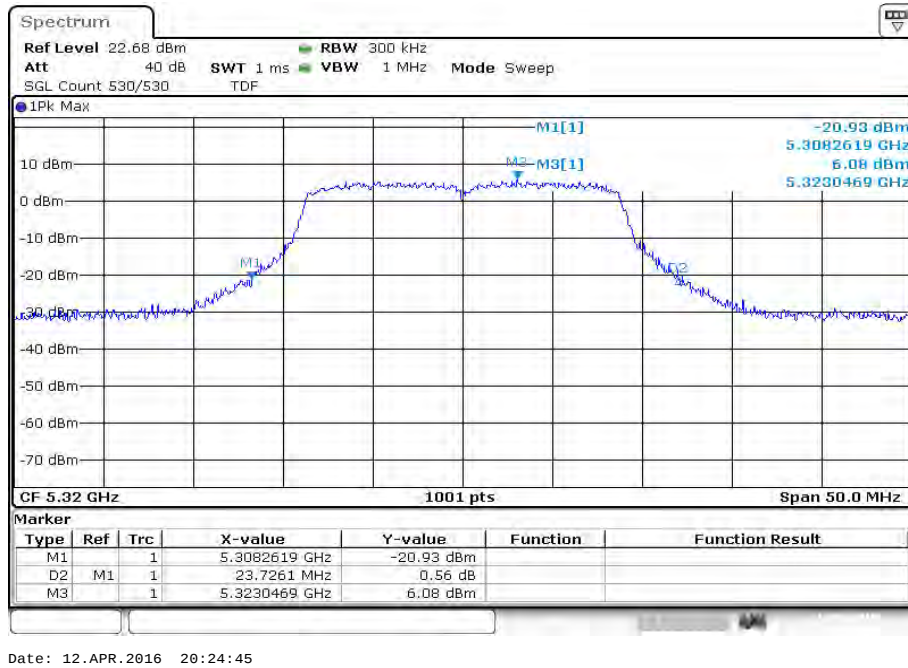
Plot 2: 5200 MHz



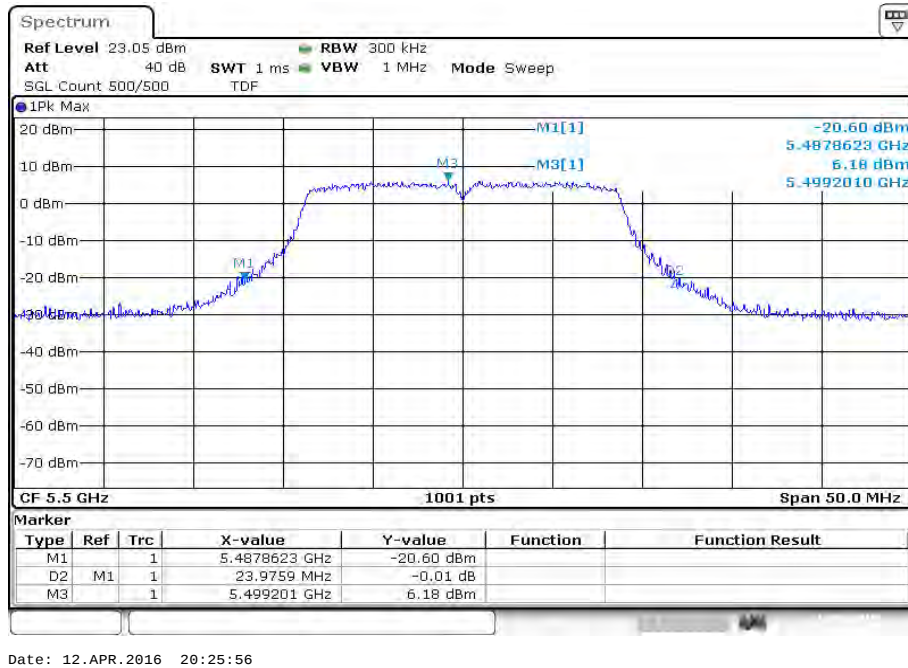
Plot 3: 5300 MHz



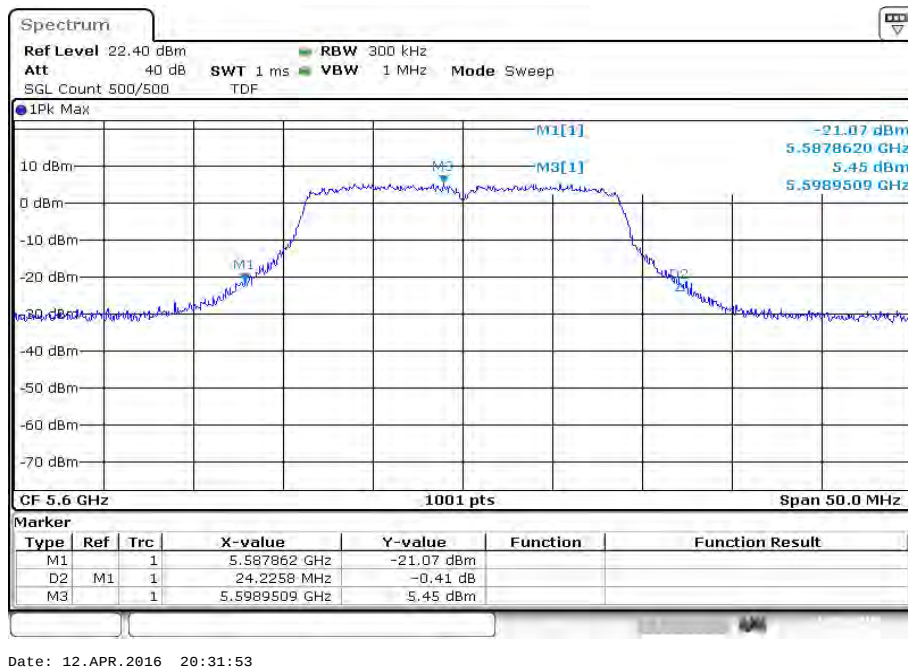
Plot 4: 5320 MHz



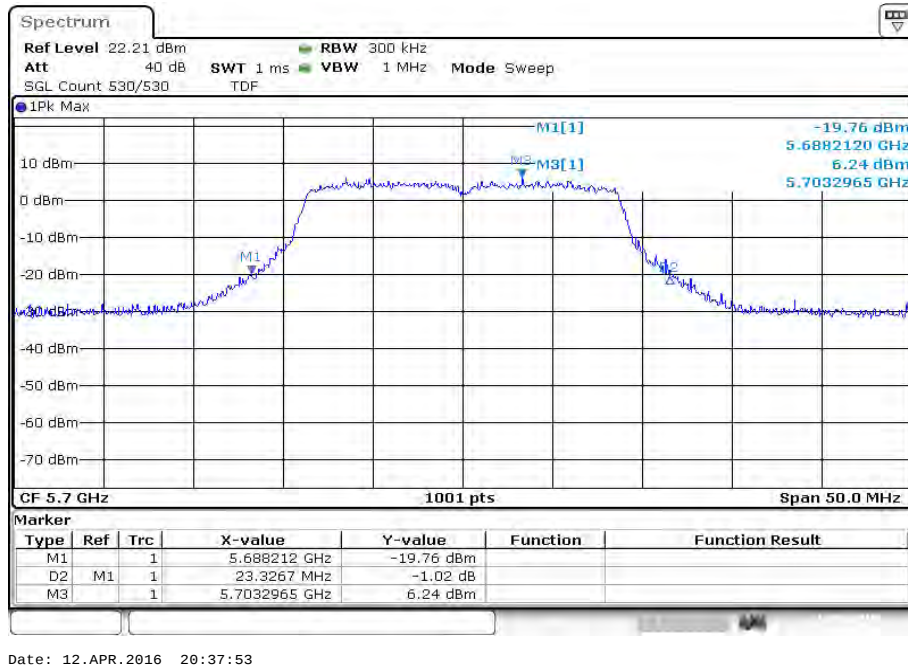
Plot 5: 5500 MHz



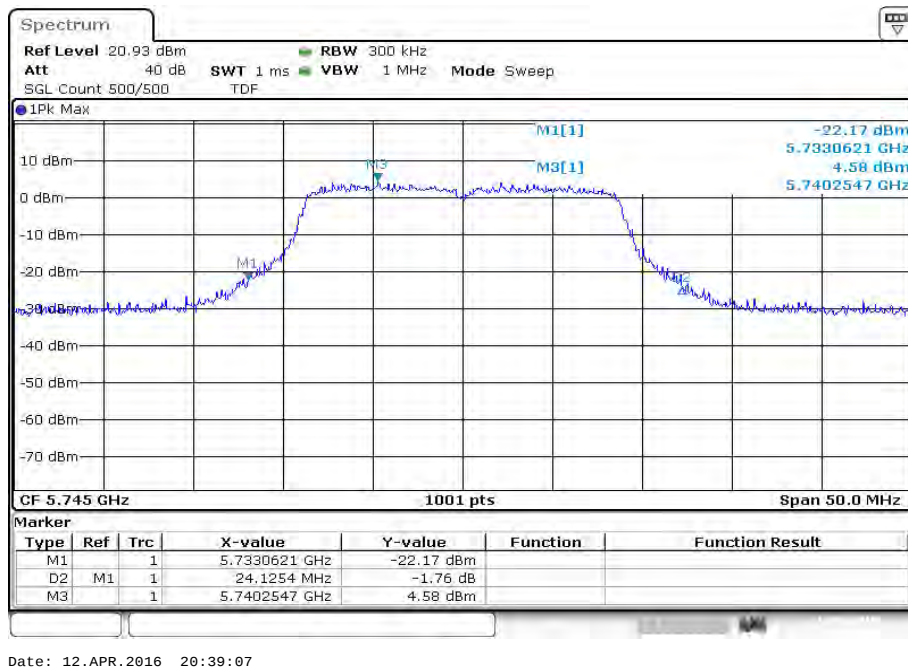
Plot 6: 5600 MHz



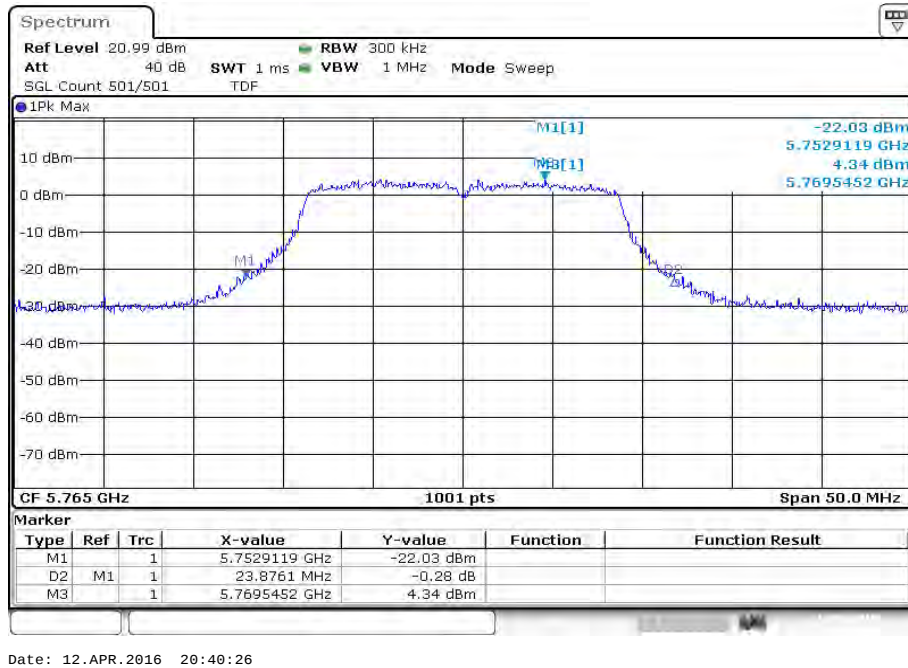
Plot 7: 5700 MHz



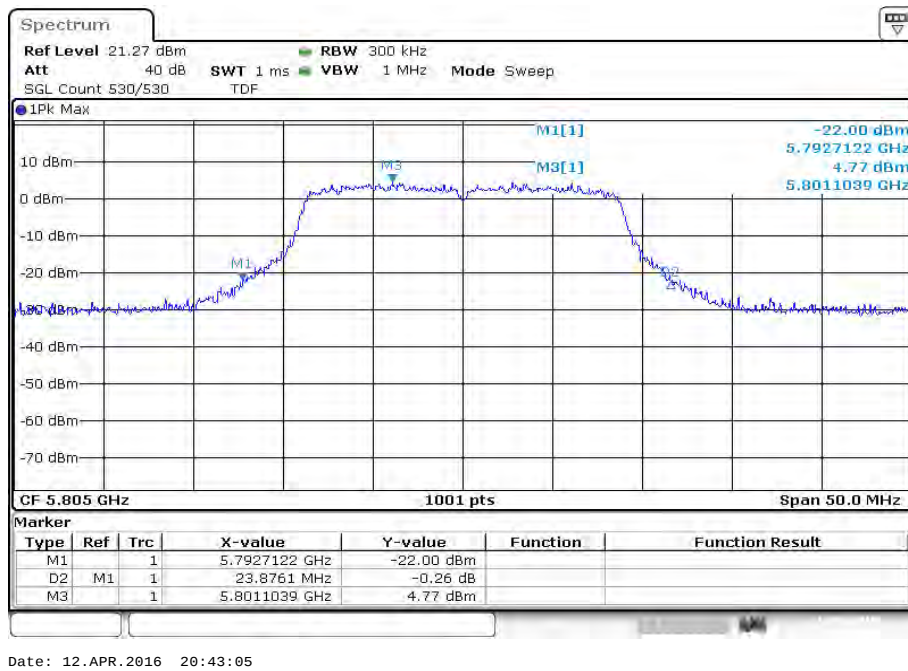
Plot 8: 5745 MHz



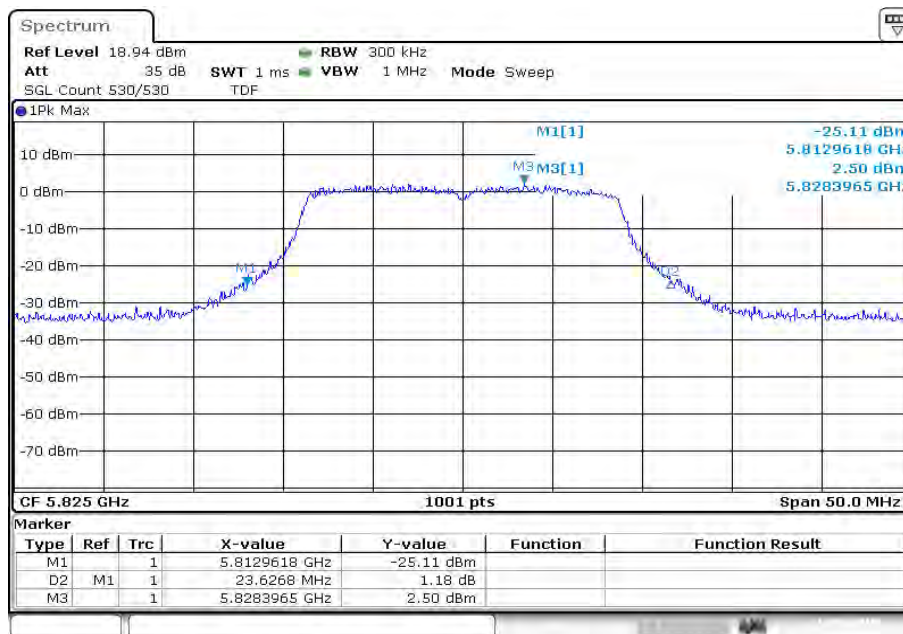
Plot 9: 5765 MHz



Plot 10: 5805 MHz



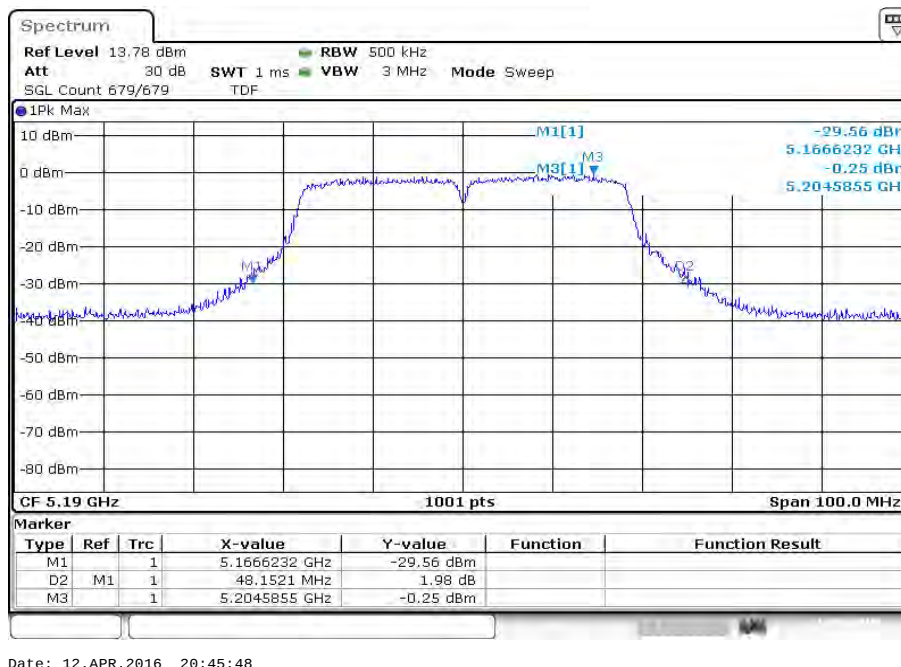
Plot 11: 5825 MHz



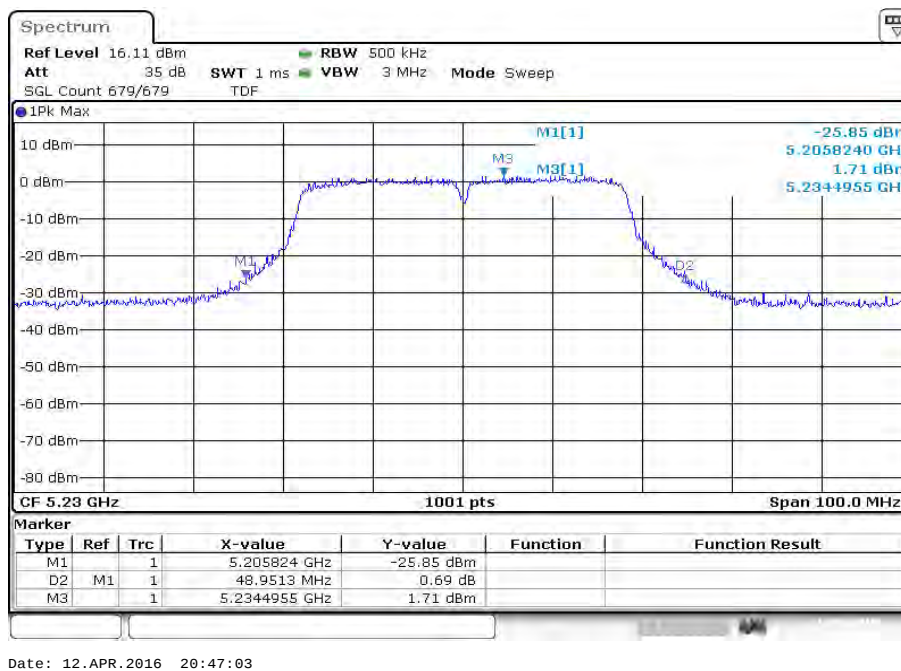
Date: 12.APR.2016 20:44:26

Plots: OFDM / n HT40 – mode, antenna port 3

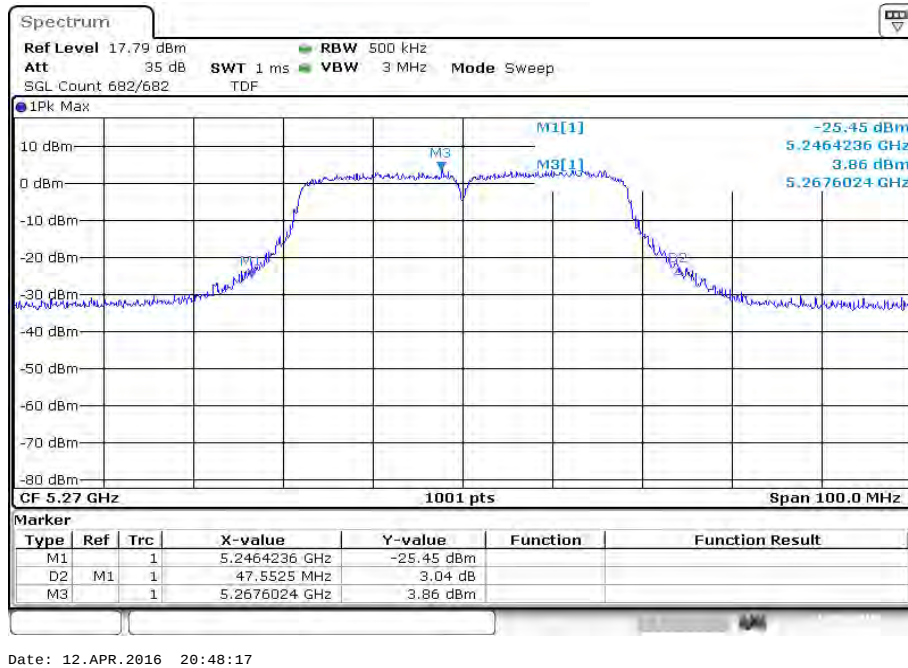
Plot 1: 5190 MHz



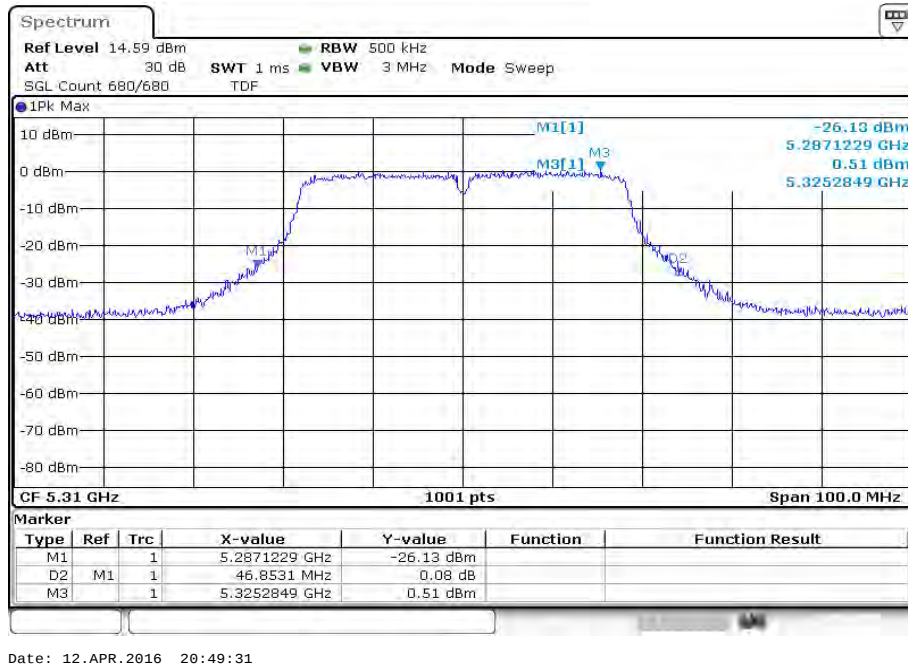
Plot 2: 5230 MHz



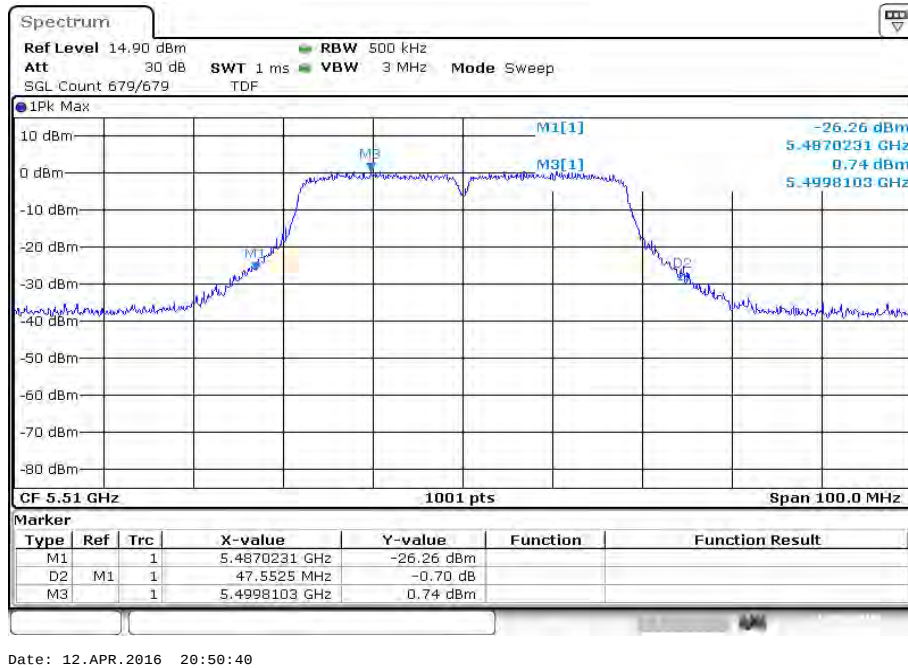
Plot 3: 5270 MHz



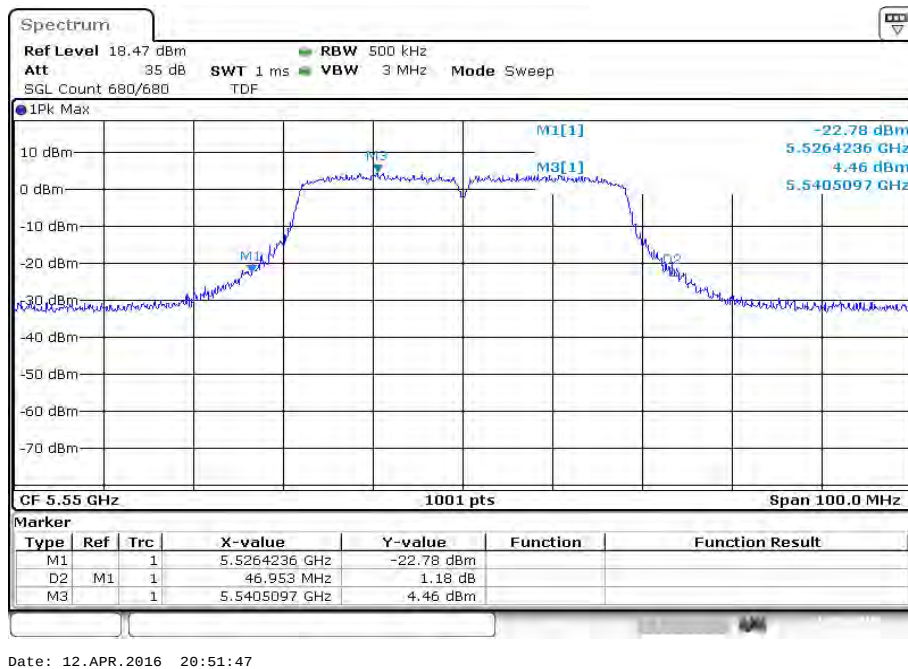
Plot 4: 5310 MHz



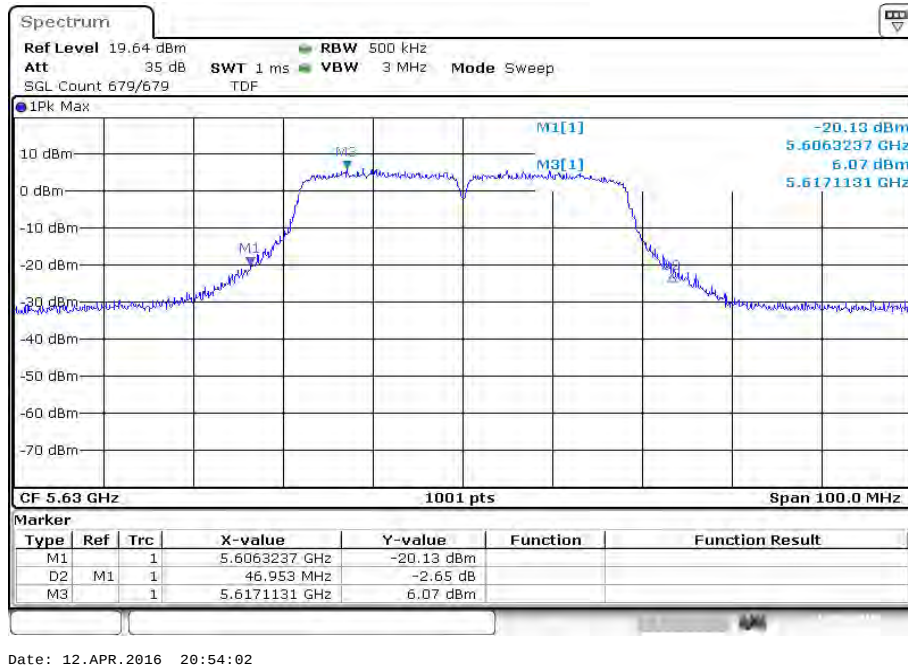
Plot 5: 5510 MHz



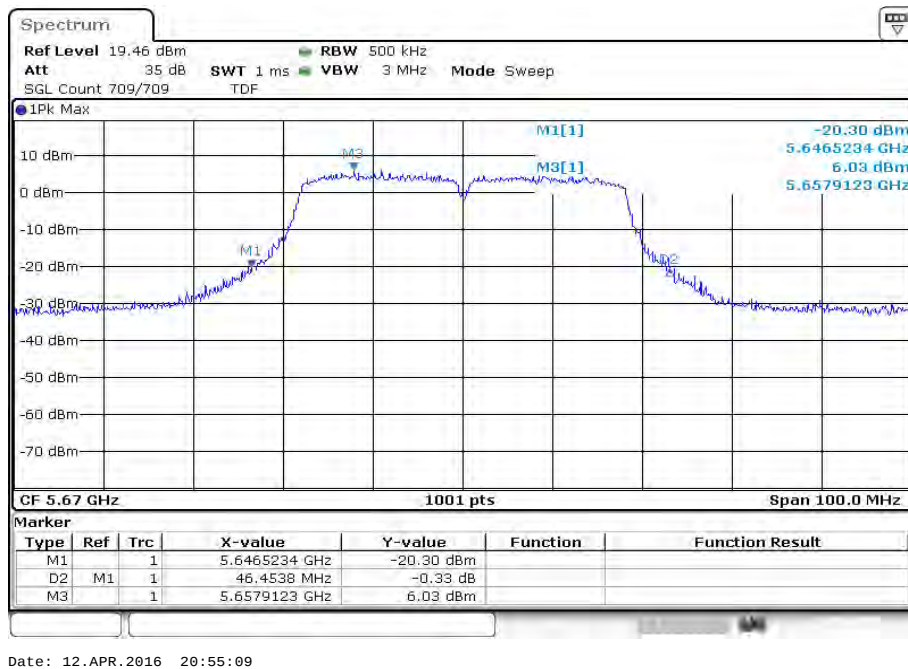
Plot 6: 5550 MHz



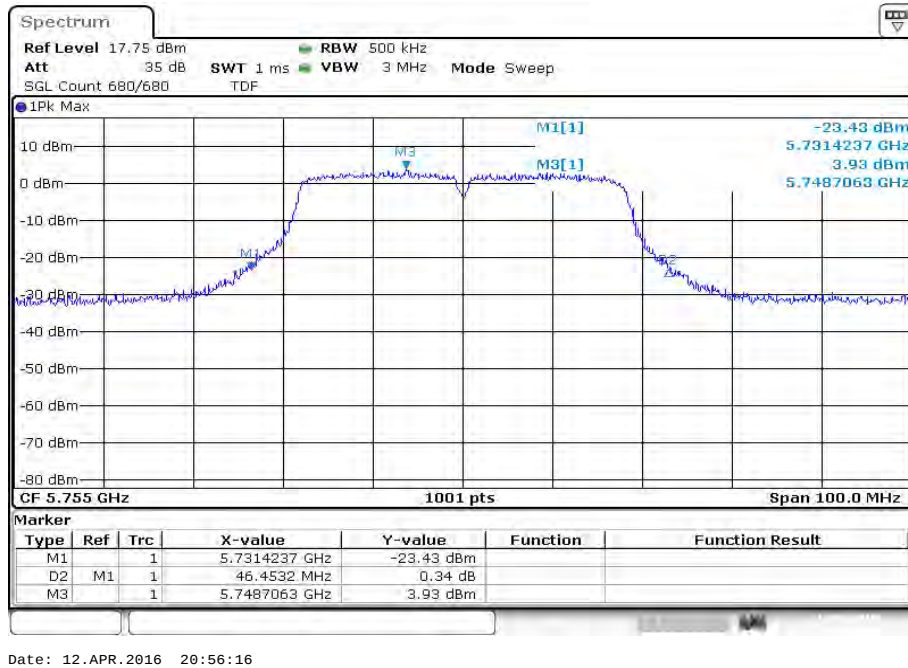
Plot 7: 5630 MHz



Plot 8: 5670 MHz



Plot 9: 5755 MHz



Plot 10: 5795 MHz

