

## 7. DUTY CYCLE

### 7.1. TEST CONDITIONS

Test performed by : Mathieu CERISIER  
Date of test : November 17, 2016  
Ambient temperature : 22 °C  
Relative humidity : 42 %

### 7.2. TEST SETUP

- The Equipment Under Test is installed:

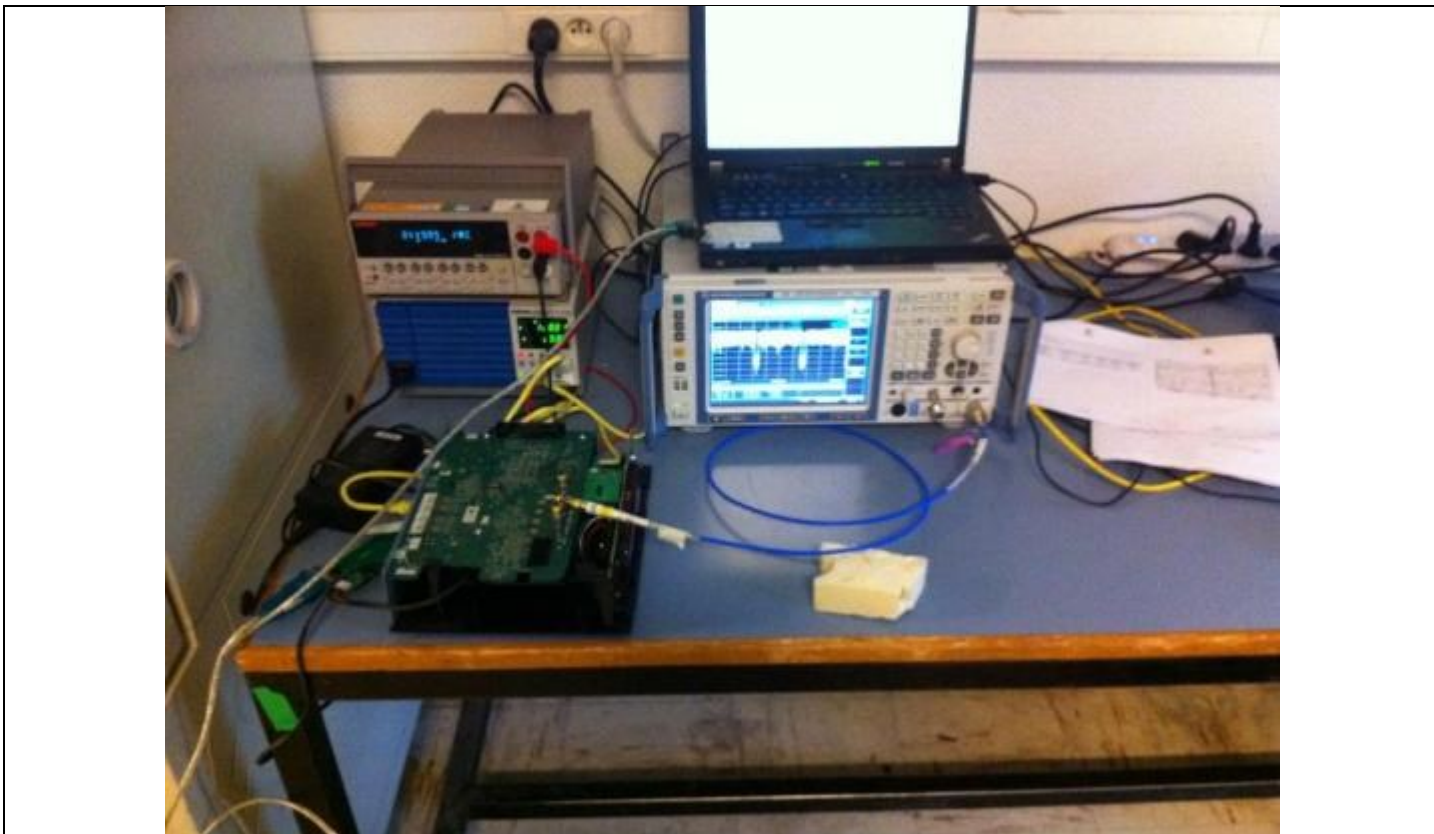
- On a table
- In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:

- Conducted Method
- Radiated Method

- Test Procedure:

- KDB 789033 D02 General UNII Test Procedures New Rules v01r02 § B2 b)



Photograph for Duty Cycle



### 7.3. LIMIT

None

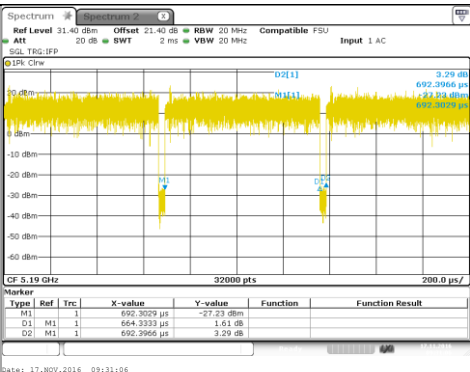
### 7.4. TEST EQUIPMENT LIST

DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
Multi-meter	KEITHLEY	2000	A1241084	2016/05	2018/05
Programmable AC/DC power supply	-; KIKUSUI	PCR500M	A7040079	Verified with calibrated multimeter	Verified with calibrated multimeter
EMI receiver	ROHDE & SCHWARZ	ESR 7	A2642023	2016/03	2017/03
RF cable & 20 dB attenuator	Télédyne	920-0202-048	A5329674	2016/10	2017/10

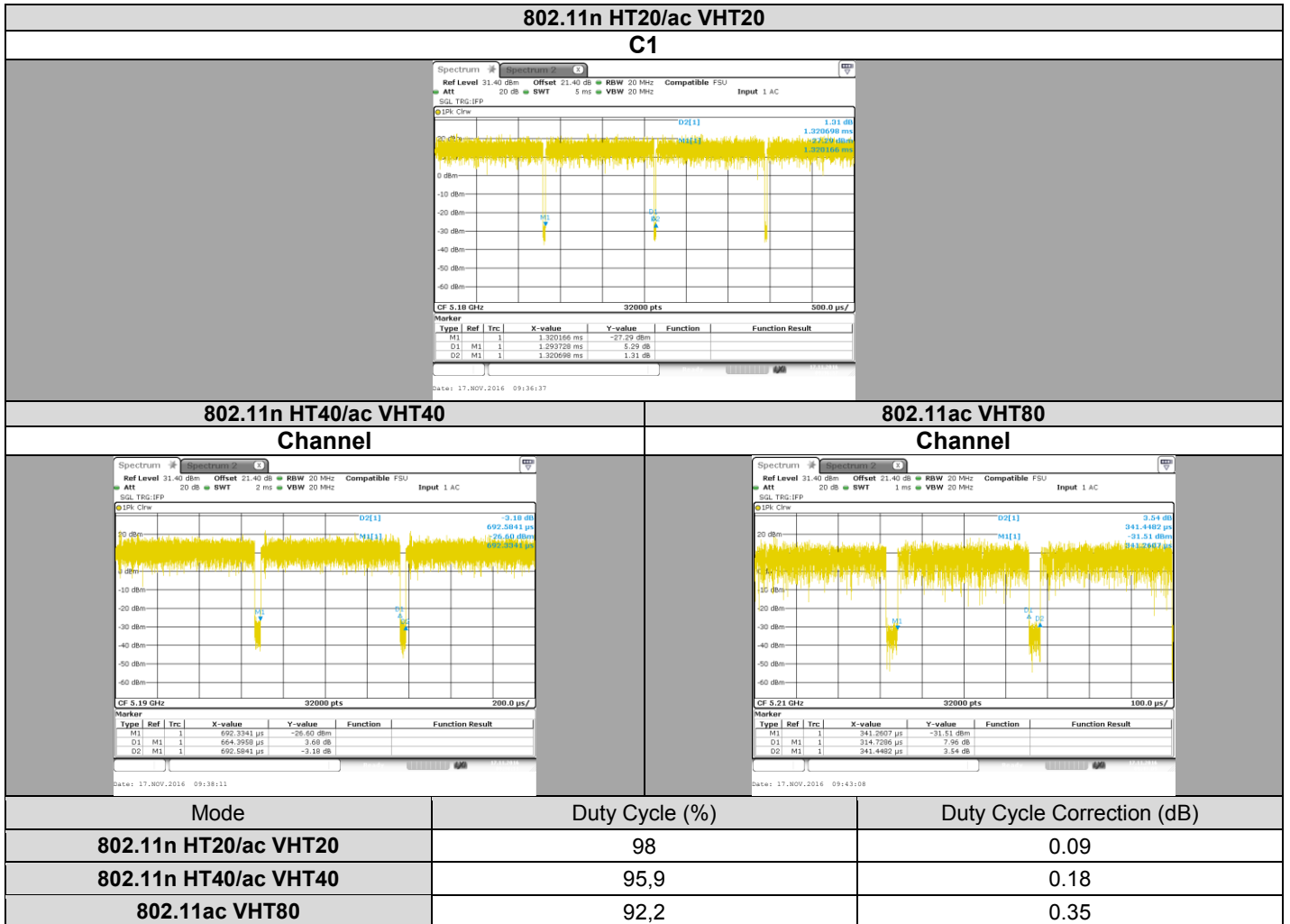
Note: In our quality system, the test equipment calibration due is more & less 2 months

## 7.5. RESULTS

### 7.5.1. Without Beamforming

802.11a C1		802.11n HT20/ac VHT20 C1	
			
802.11n HT40/ac VHT40 C14		802.11ac VHT80 C24	
			
Mode	Duty Cycle (%)	Duty Cycle Correction (dB)	
802.11a	98,1	0.08	
802.11n HT20/ac VHT20	98	0.09	
802.11n HT40/ac VHT40	95,9	0.18	
802.11ac VHT80	92,2	0.35	

7.5.2. With Beamforming



7.6. CONCLUSION

Duty Cycle measurement performed on the sample of the product **SAGEMCOM TheBox (253697282)**, SN: **616400107098**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407** limits.

## 8. MAXIMUM CONDUCTED OUTPUT POWER, MAXIMUM POWER SPECTRAL DENSITY, MAXIMUM EIRP, MAXIMUM EIRP SPECTRAL DENSITY

### 8.1. TEST CONDITIONS

Test performed by : Mathieu CERISIER  
Date of test : November 17, 2016 to December 7, 2016  
Ambient temperature : 22 °C  
Relative humidity : 42 %

### 8.2. TEST SETUP

- The Equipment Under Test is installed:

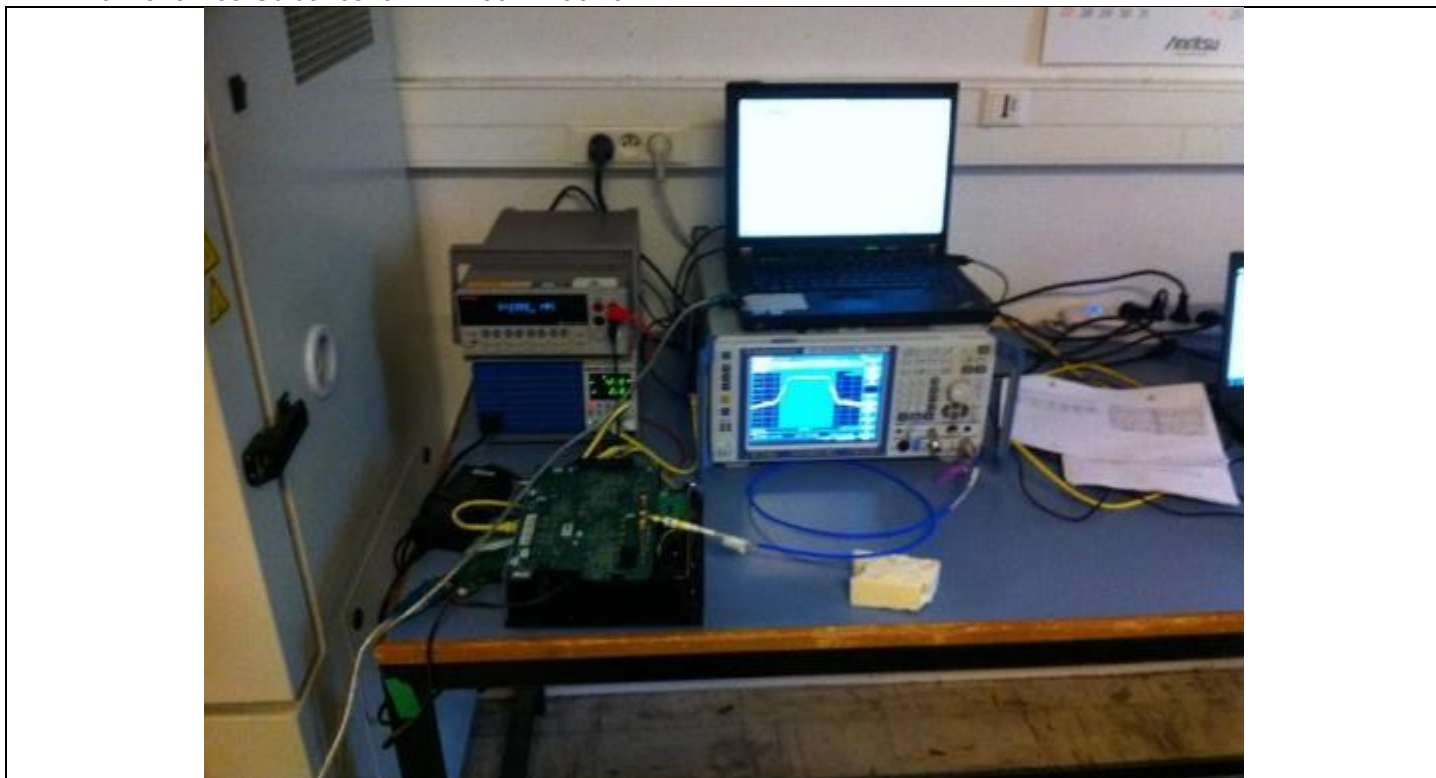
- On a table
- In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:

- Conducted Method
- Radiated Method

- Test Procedure:

- KDB 789033 D02 General UNII Test Procedures New Rules v01r02 § E2 b) (Method SA-1) & F
- KDB 789033 D02 General UNII Test Procedures New Rules v01r02 § E2 c) (Method SA-2) & F
- KDB 662911 D01 Multiple Transmitter Output v02r01
- KDB 644545 D03 Guidance for IEEE 802.11ac v01



Photograph for Maximum Conducted Output Power



### 8.3. LIMIT

FCC Part 15.407

Maximum Conducted Output power:

5150MHz-5250MHz: Shall not exceed 30dBm for Indoor Access Point devices & 24dBm for Client devices

5250MHz-5350MHz: Shall not exceed 24dBm or  $11\text{dBm} + 10 \cdot \log(-26\text{dB Bandwidth (MHz)})$

5470MHz-5725MHz: Shall not exceed 24dBm or  $11\text{dBm} + 10 \cdot \log(-26\text{dB Bandwidth (MHz)})$

5725MHz-5850MHz: Shall not exceed 30dBm

Limits are reduced by G-6dBi if Overall Antenna Gain above 6dBi

Maximum Power Spectral Density:

5150MHz-5250MHz: Shall not exceed 17dBm/MHz for Indoor Access Point & 11dBm/MHz for Client devices

5250MHz-5350MHz: Shall not exceed 11dBm/MHz

5470MHz-5725MHz: Shall not exceed 11dBm/MHz

5725MHz-5850MHz: Shall not exceed 30dBm/500kHz

Limits are reduced by G-6dBi if Overall Antenna Gain above 6dBi



**L C I E**

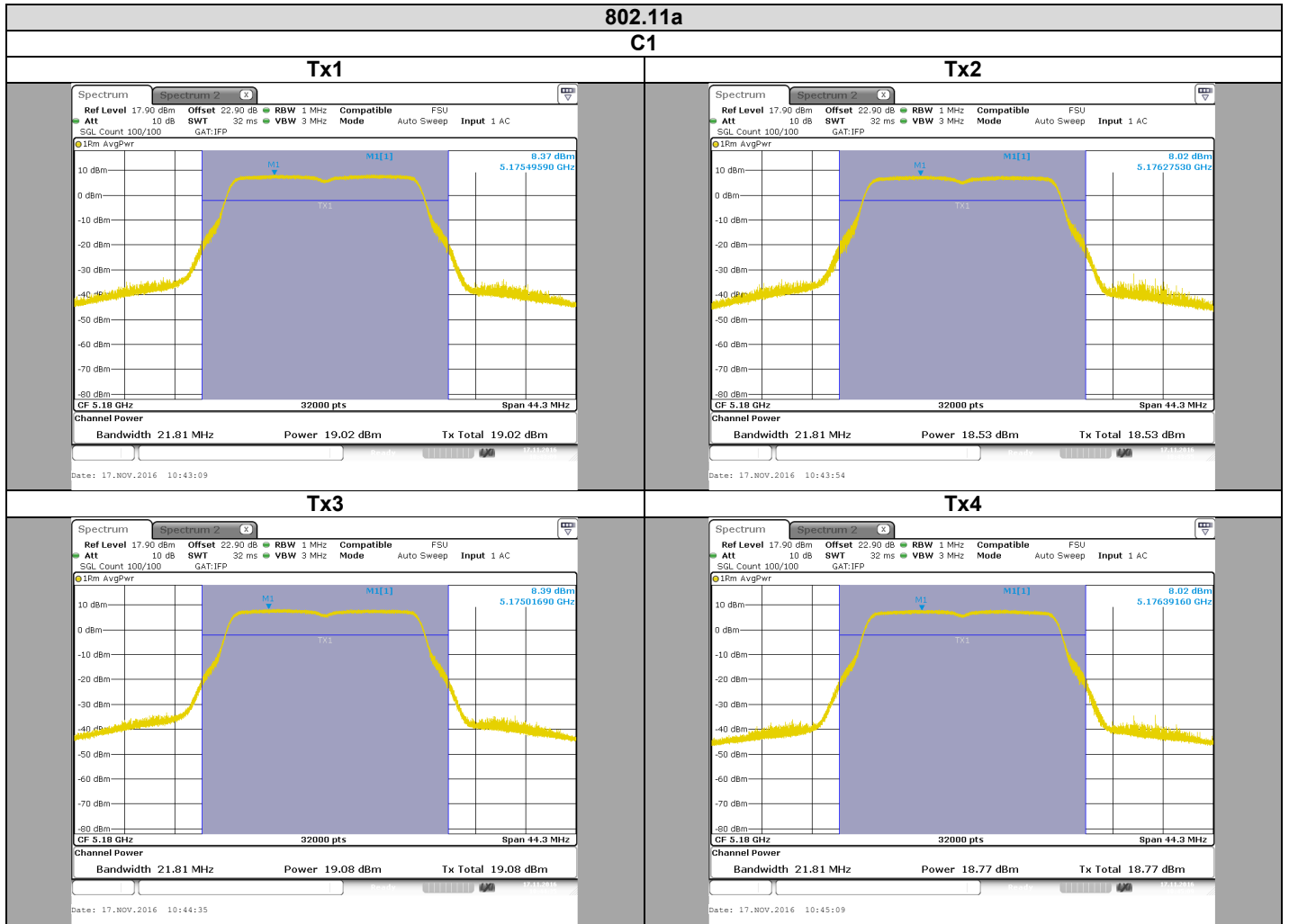
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DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
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Note: In our quality system, the test equipment calibration due is more & less 2 months

## 8.5. RESULTS

### 8.5.1. Without Beamforming





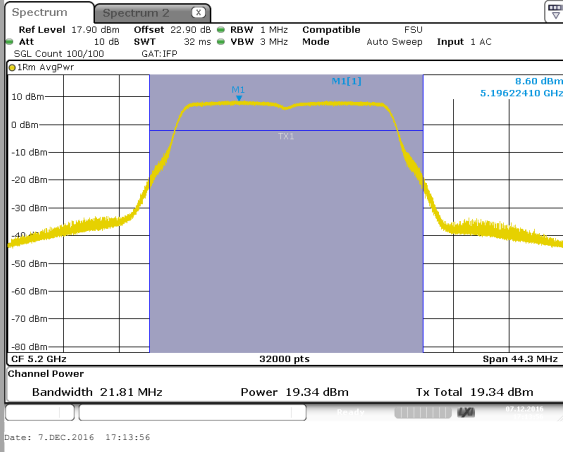


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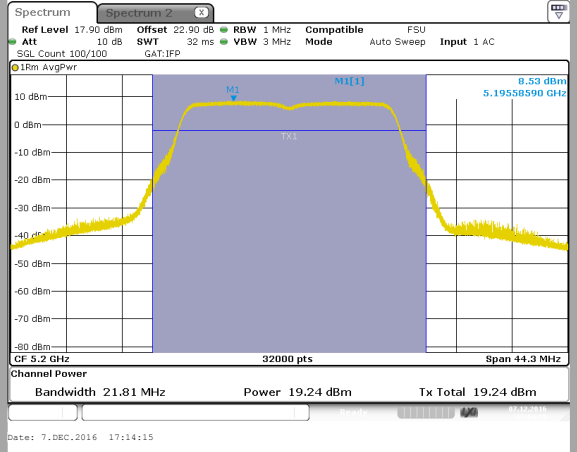
### 802.11a

### C2

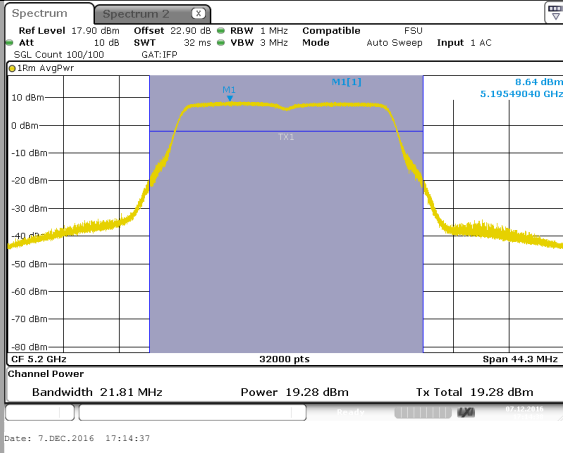
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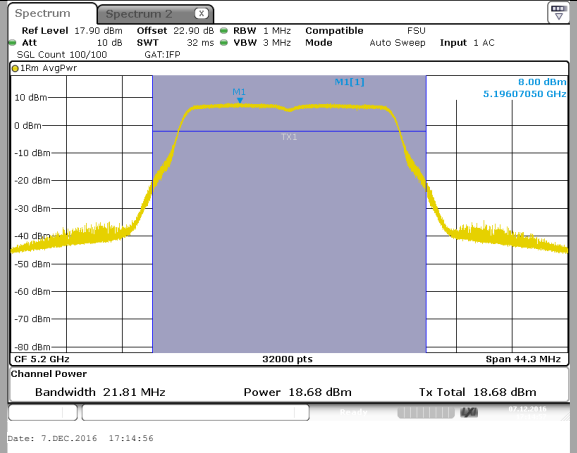
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#### Tx3



#### Tx4



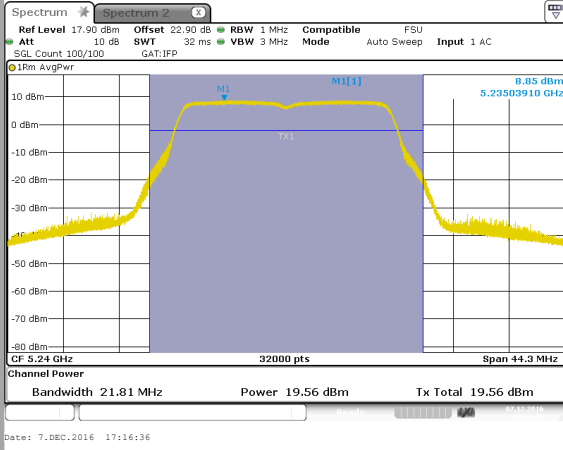


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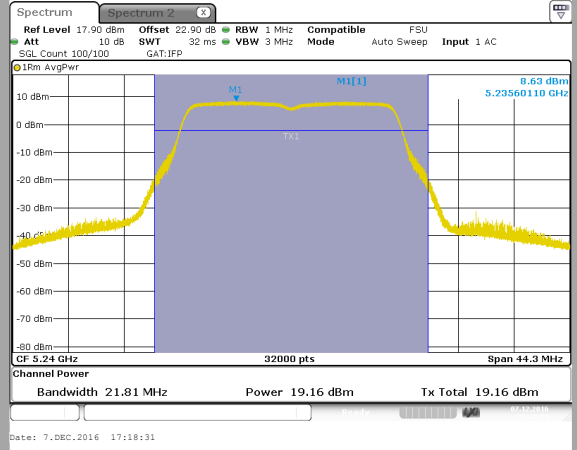
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C3

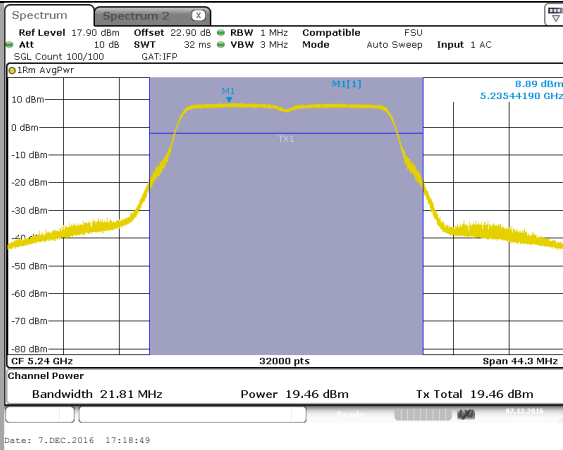
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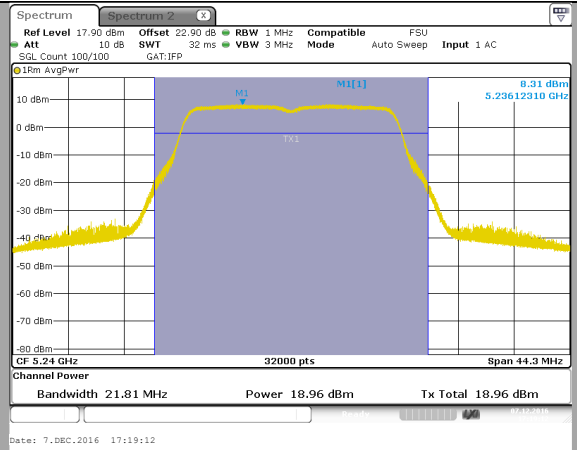
Tx2



Tx3



Tx4



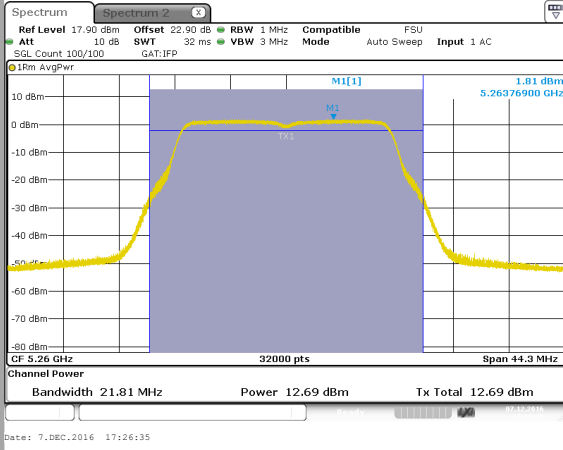


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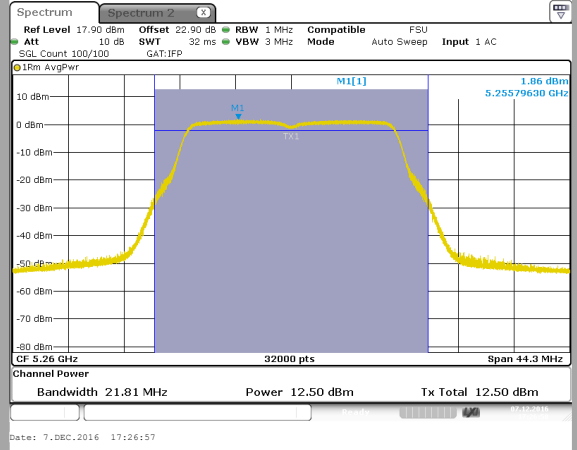
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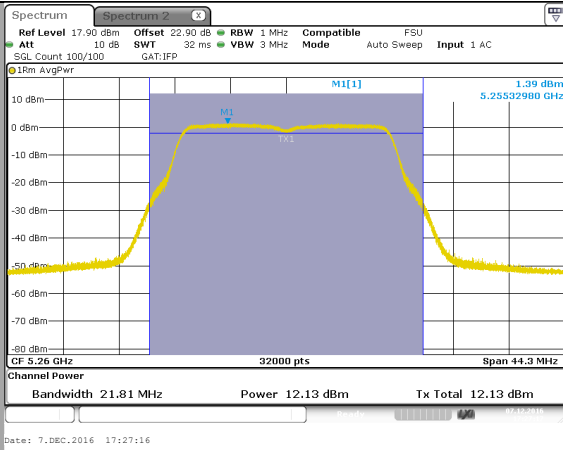
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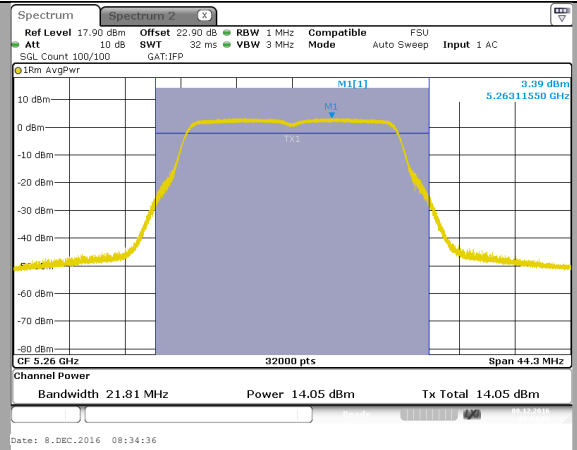
Tx2



Tx3



Tx4



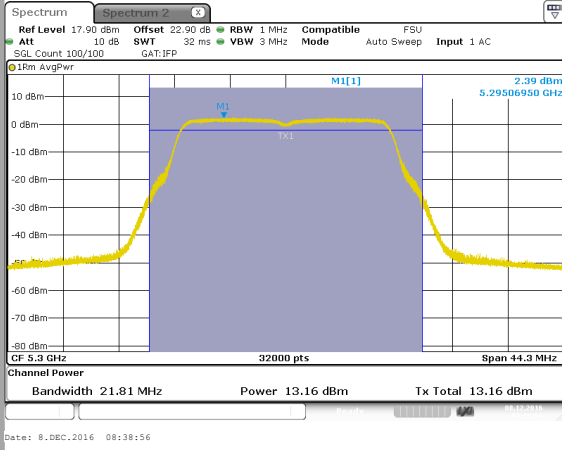


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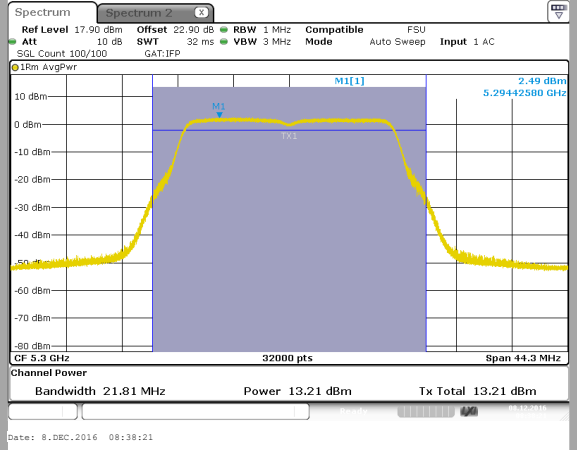
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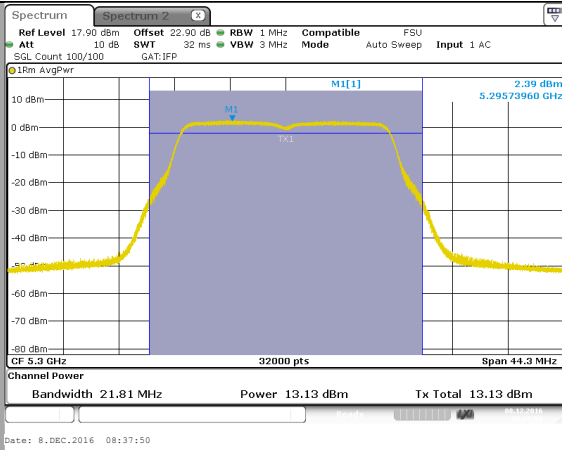
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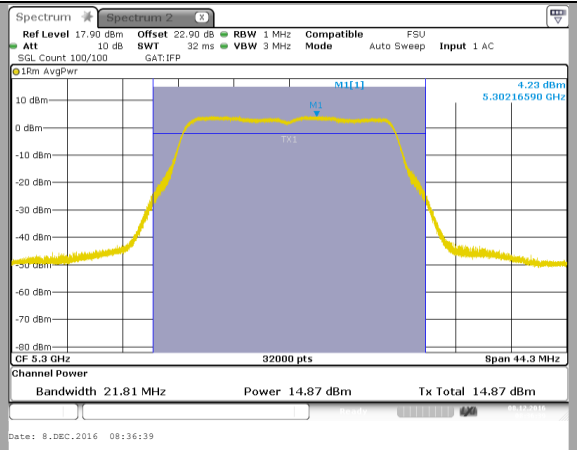
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Tx3



Tx4



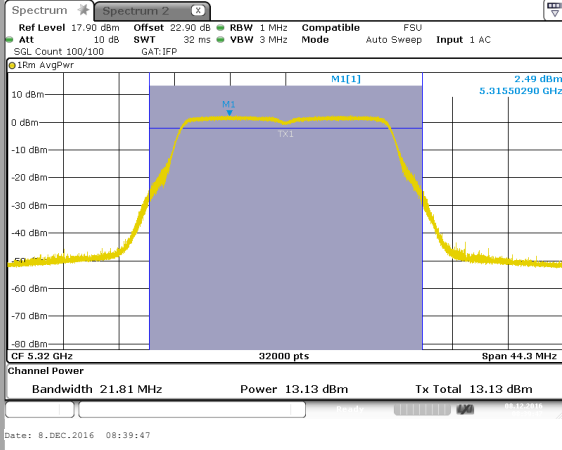


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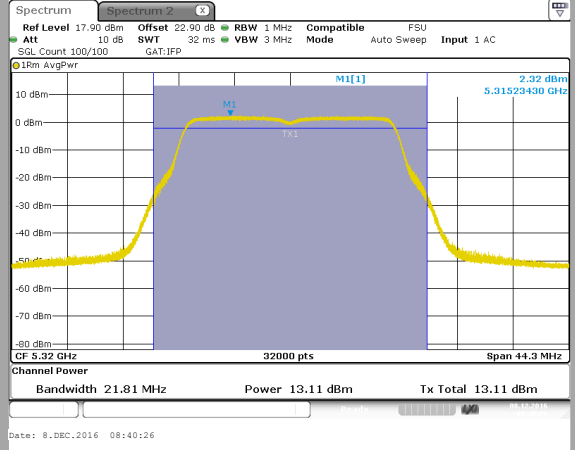
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C6

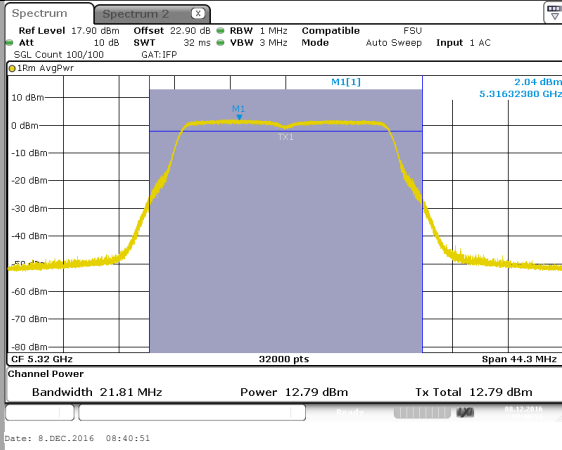
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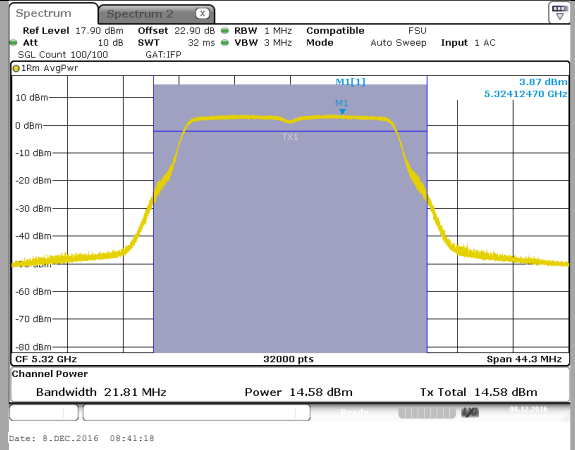
Tx2



Tx3



Tx4



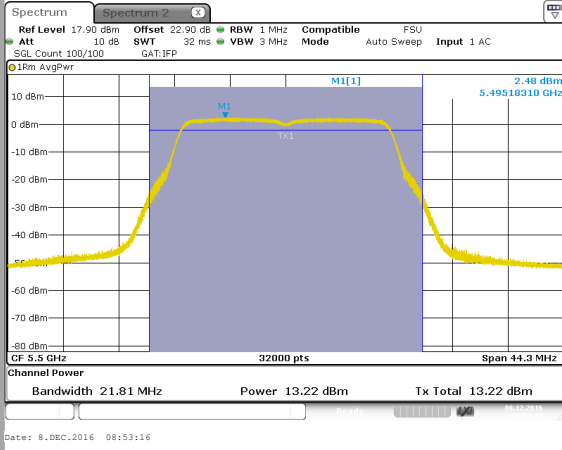


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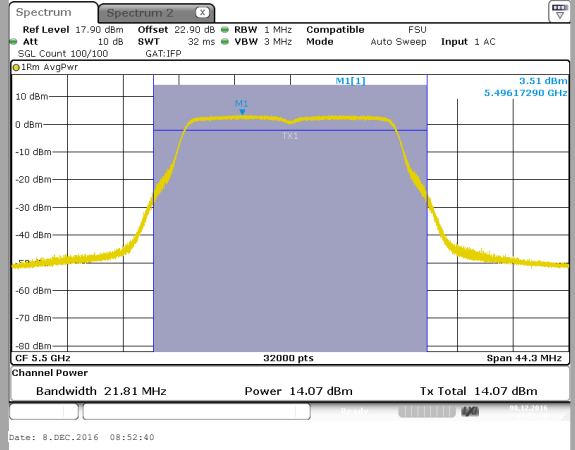
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C7

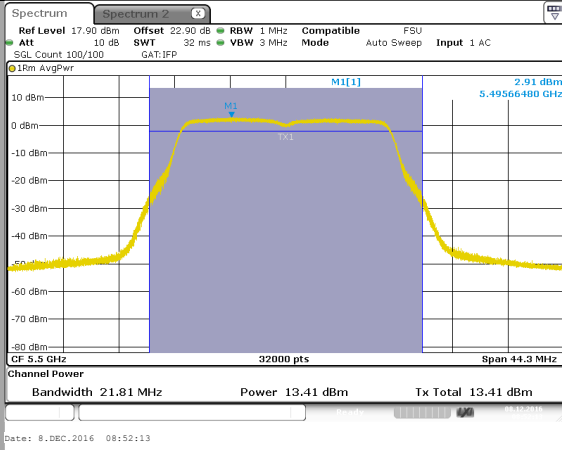
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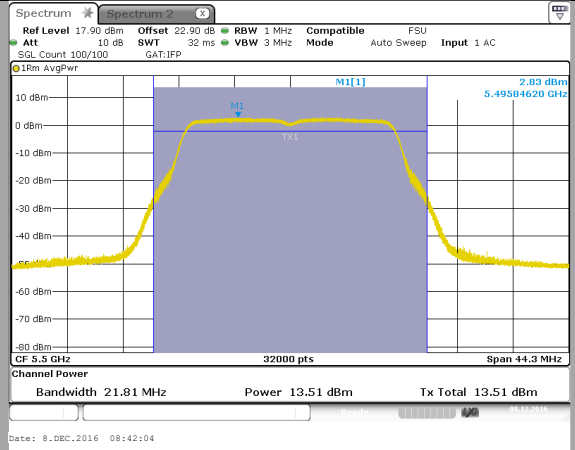
Tx2



Tx3



Tx4



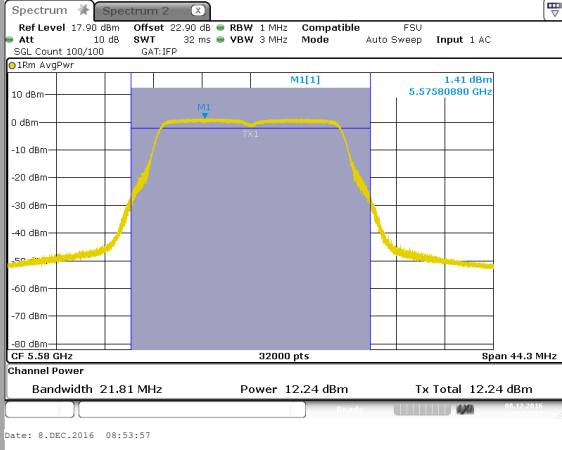


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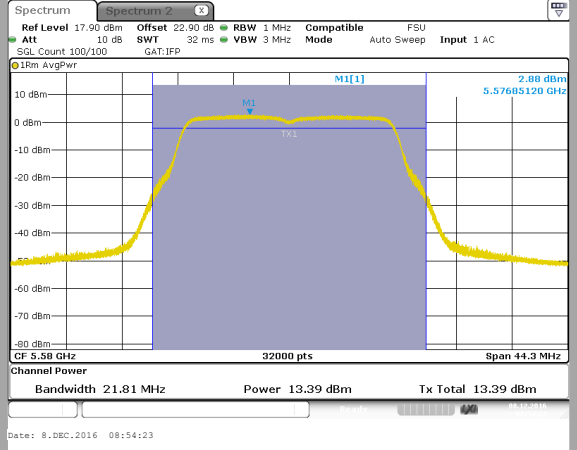
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C8

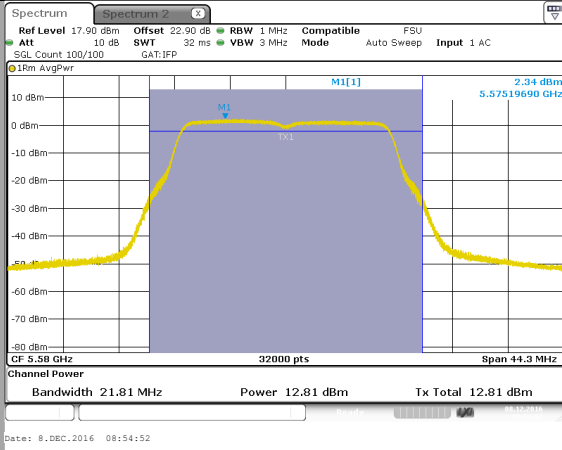
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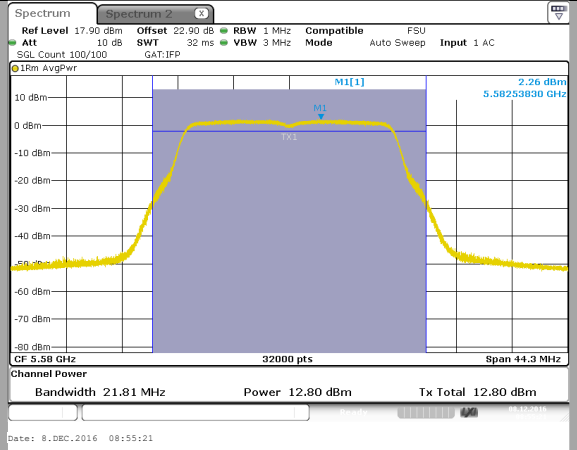
Tx2



Tx3



Tx4



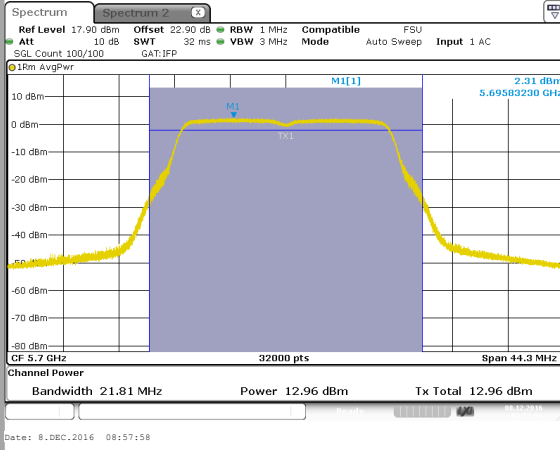


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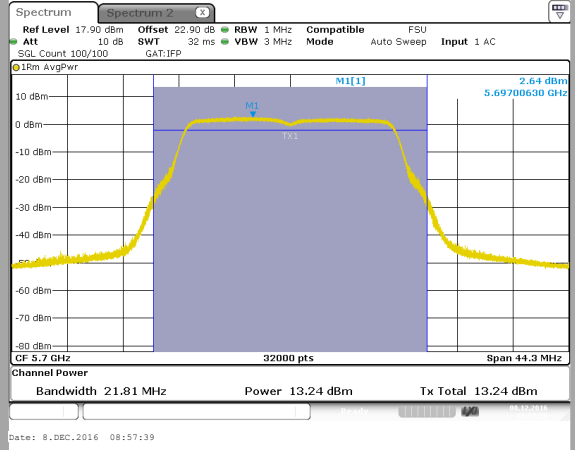
### 802.11a

### C9

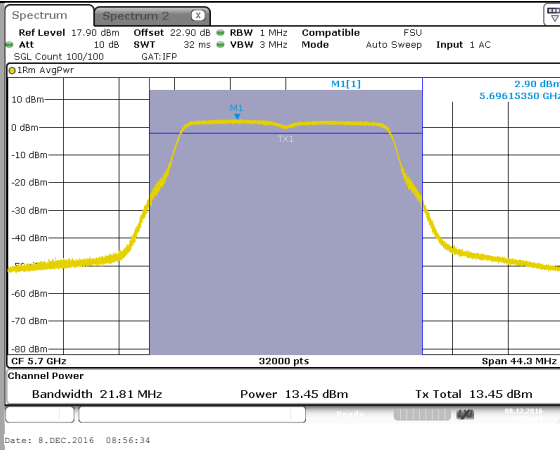
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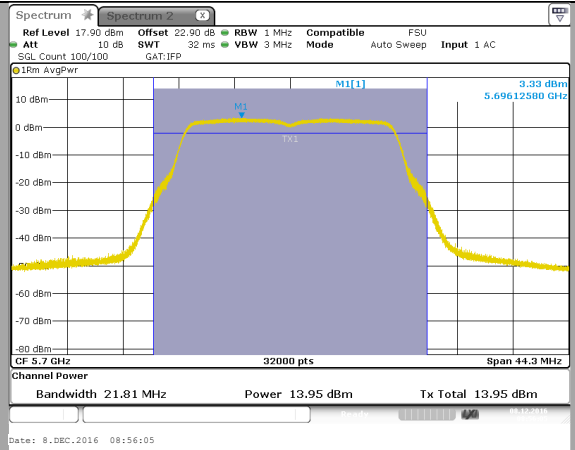
#### Tx2



#### Tx3



#### Tx4





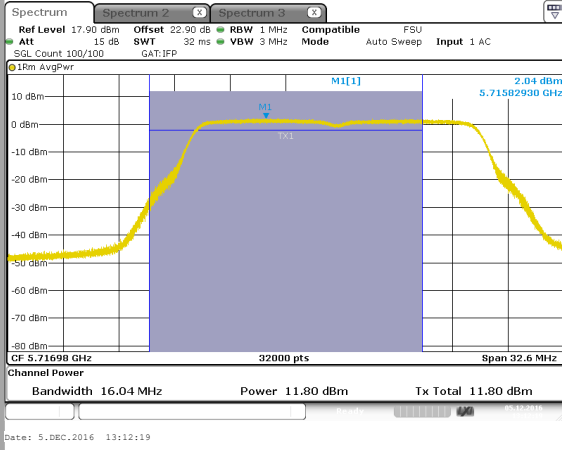


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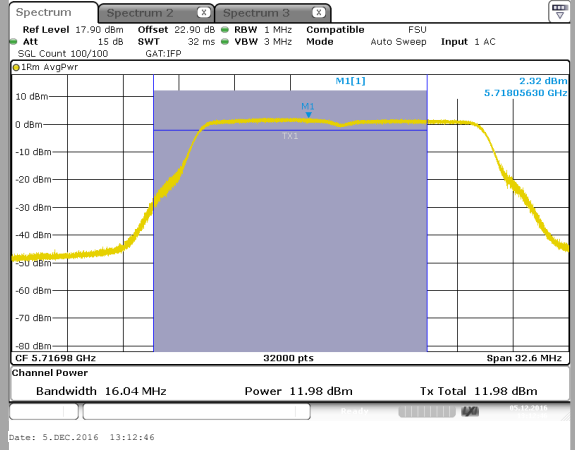
802.11a

C10 Straddle 5470MHz-5725MHz

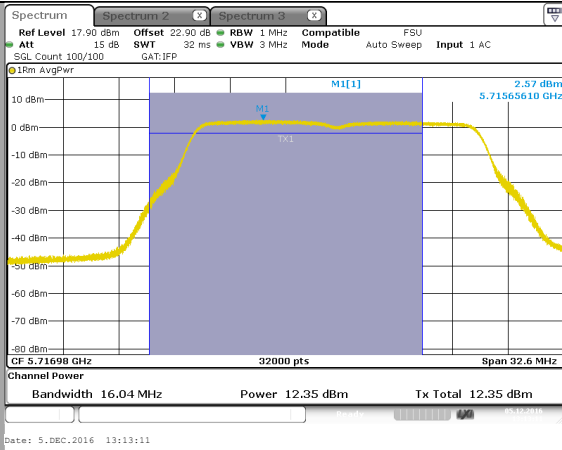
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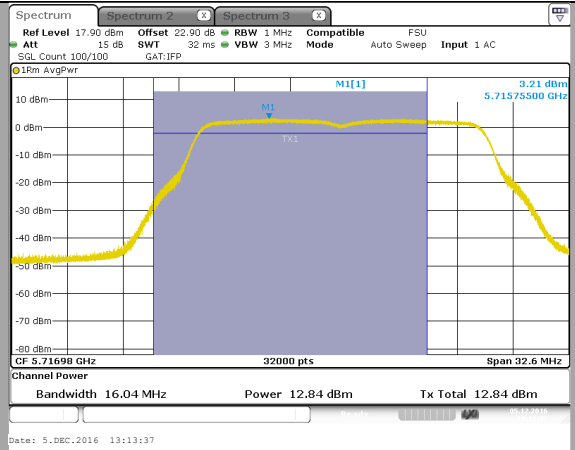
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Tx3



Tx4



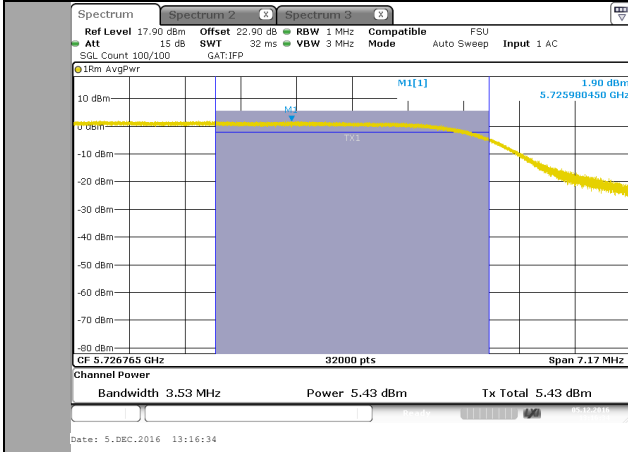


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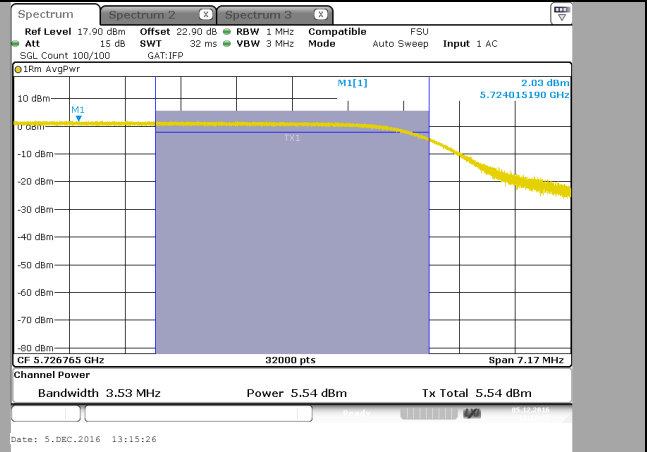
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C10 Straddle 5725MHz-5850MHz

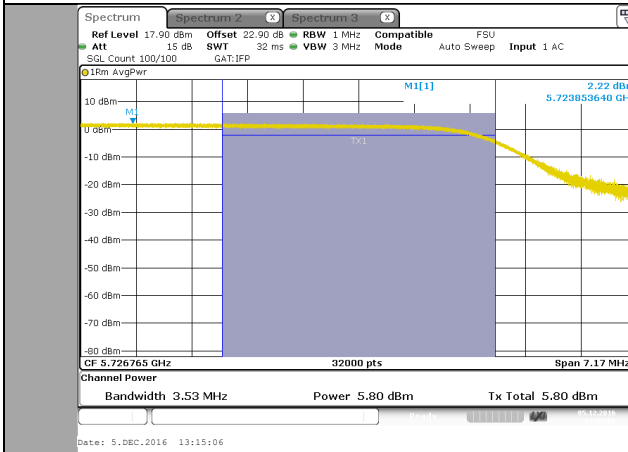
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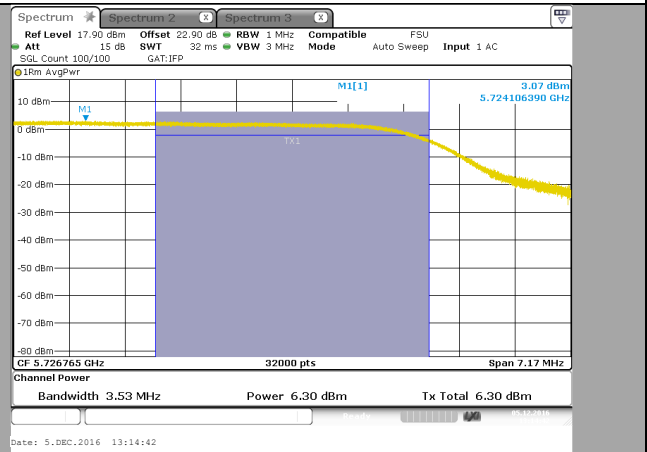
Tx2



Tx3



Tx4



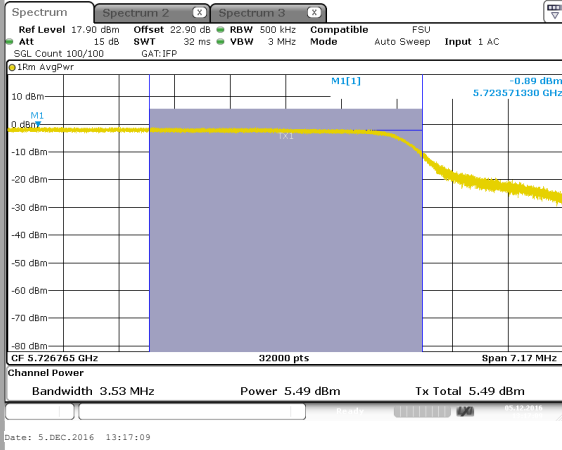


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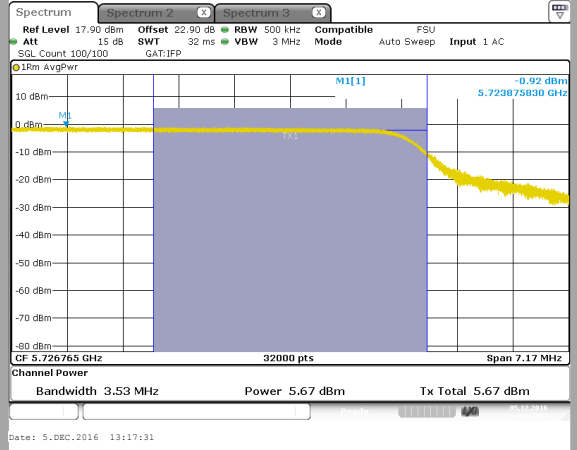
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C10 Straddle 5725MHz-5850MHz

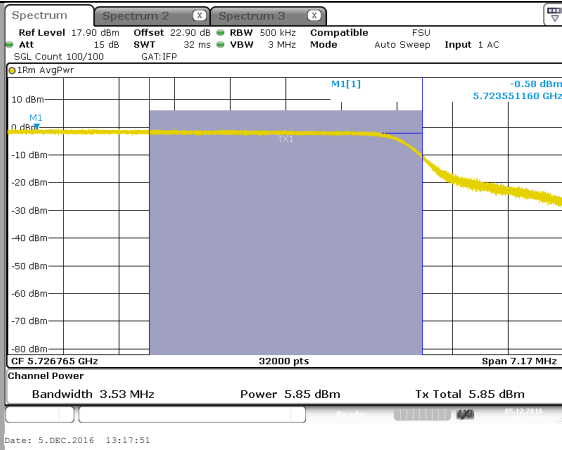
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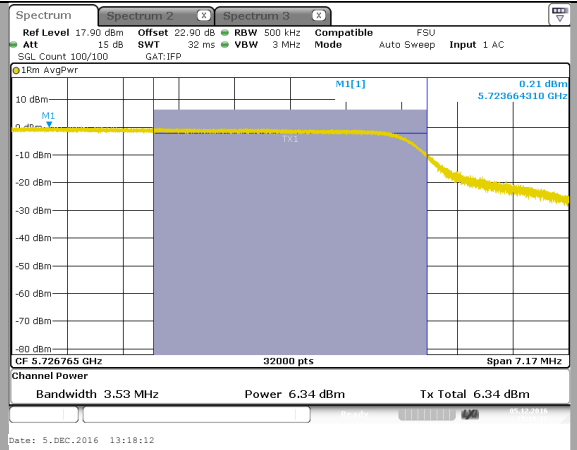
Tx2



Tx3



Tx4



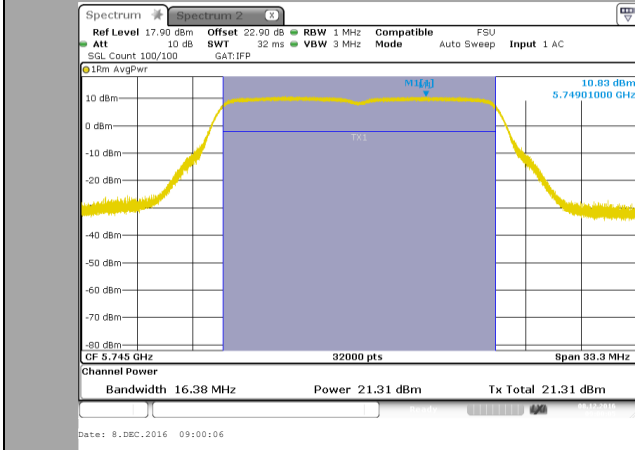


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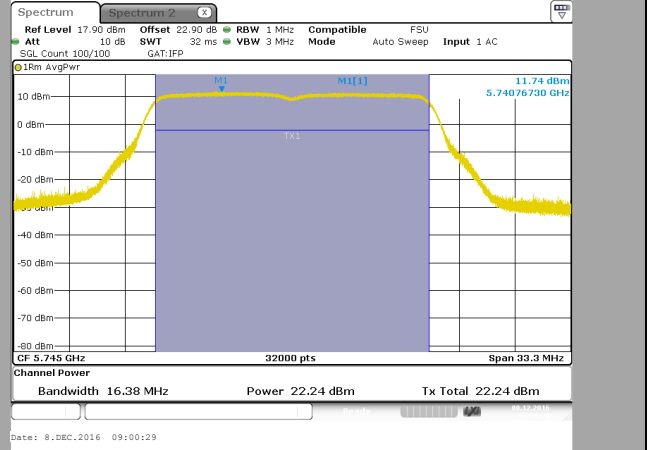
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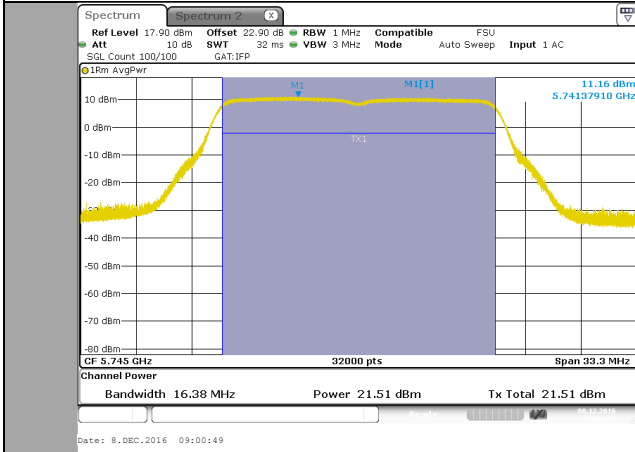
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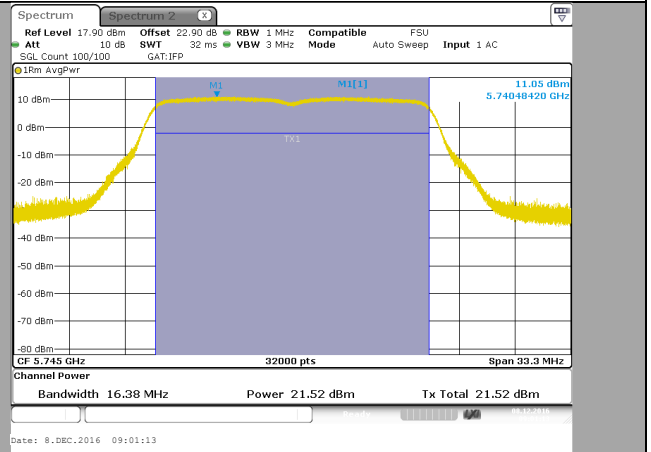
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Tx3



Tx4



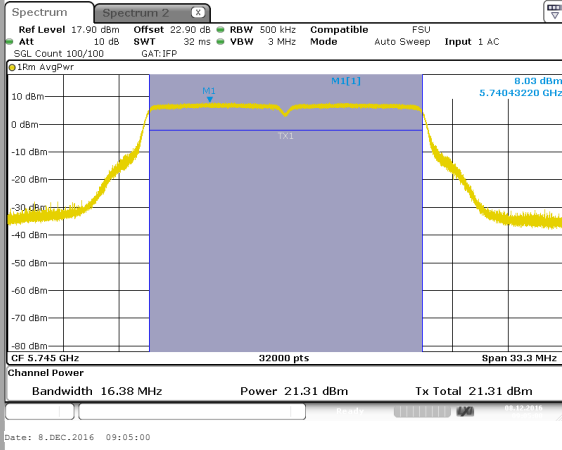


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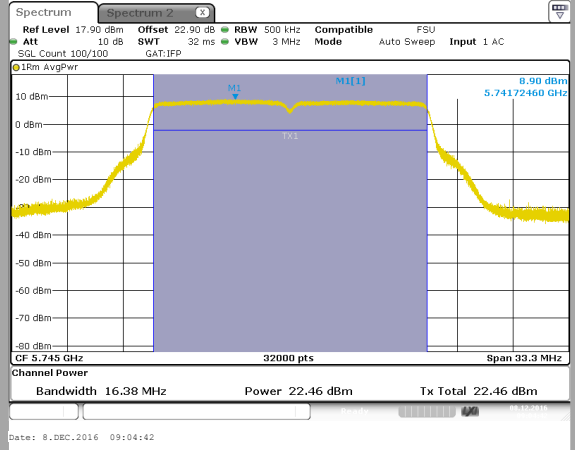
802.11a

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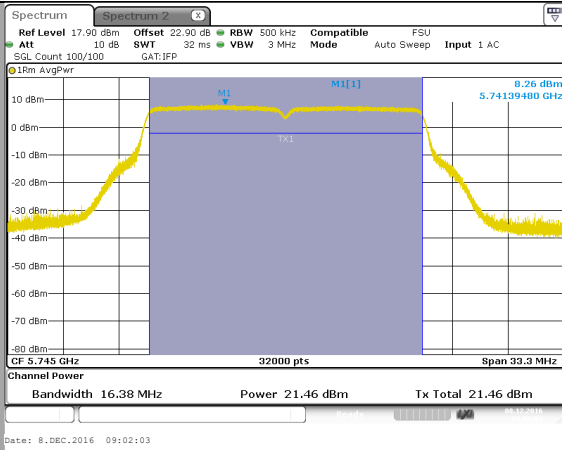
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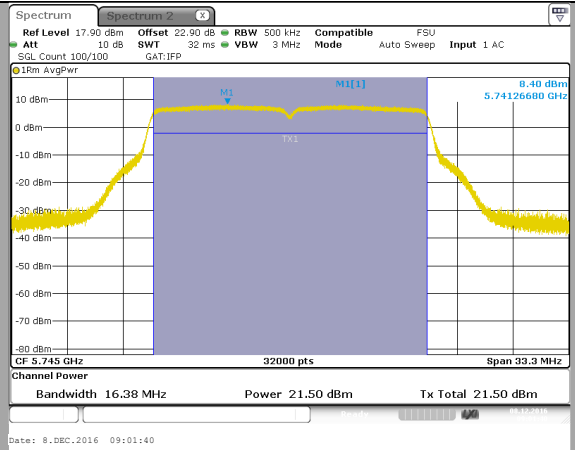
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Tx3



Tx4



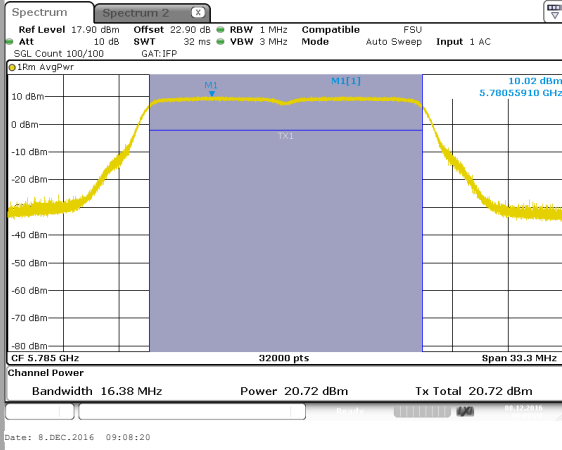


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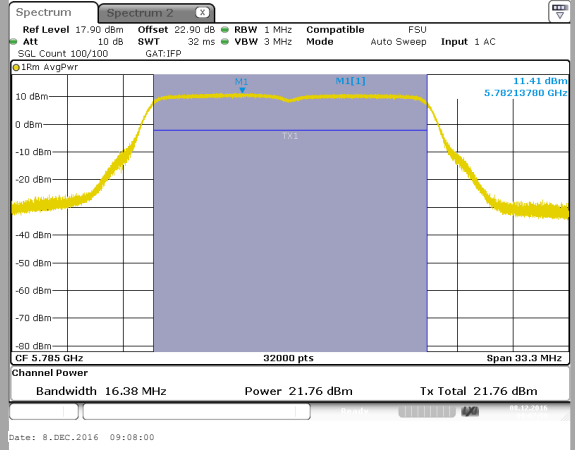
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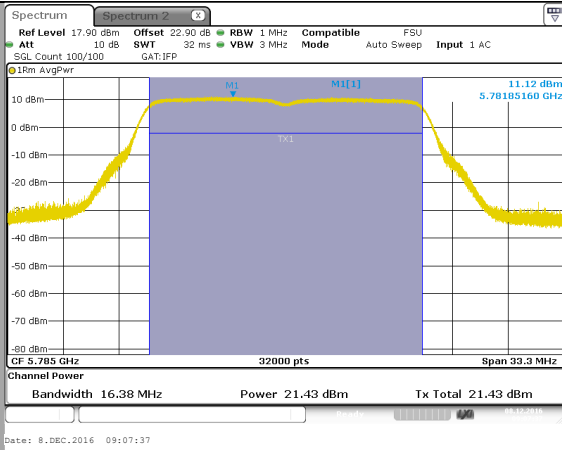
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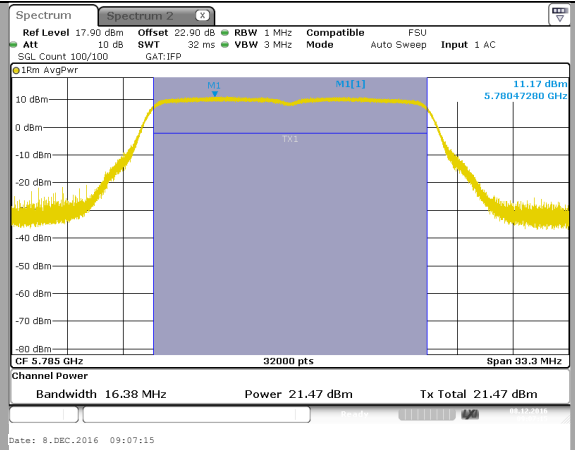
Tx2



Tx3



Tx4



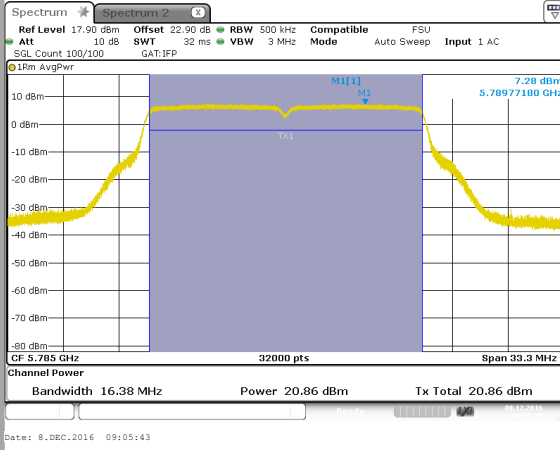


L C I E

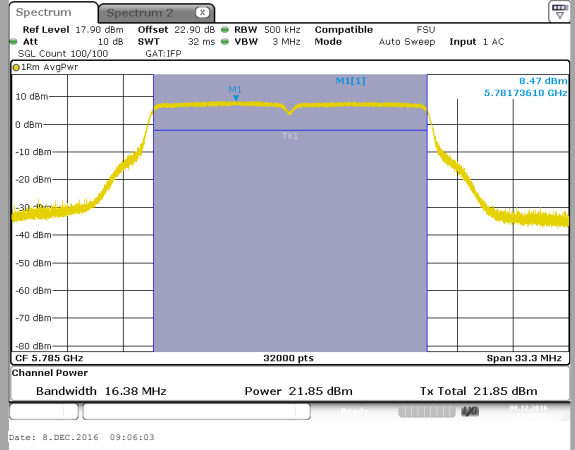
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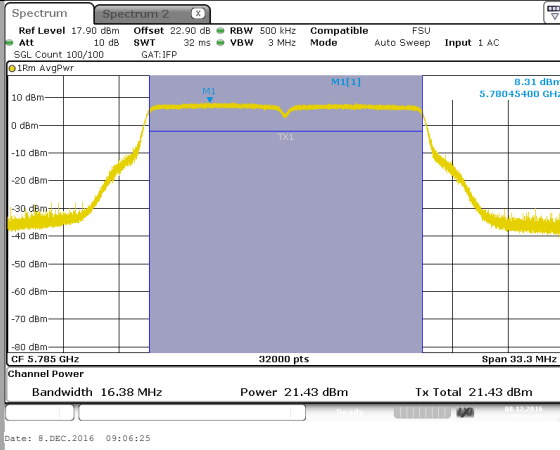
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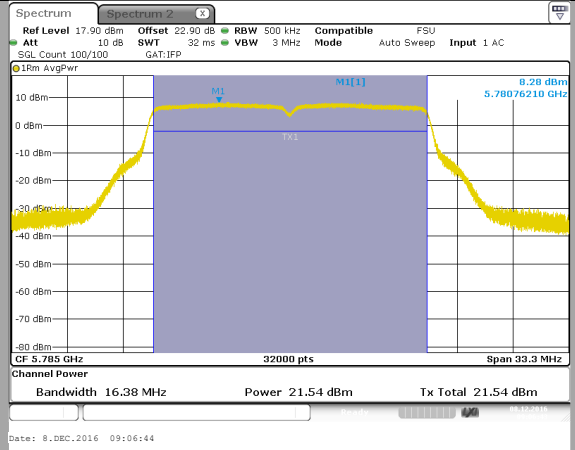
Tx2



Tx3



Tx4



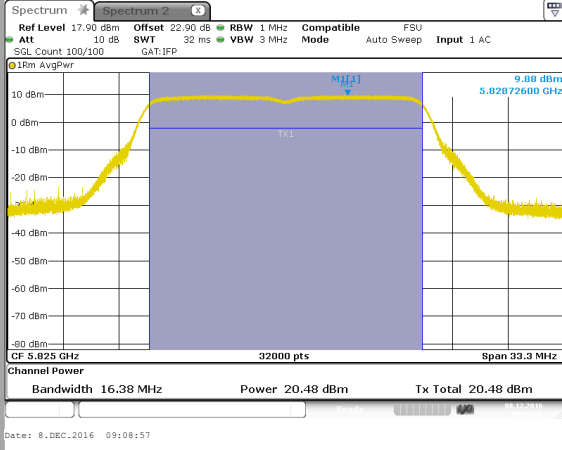


L C I E

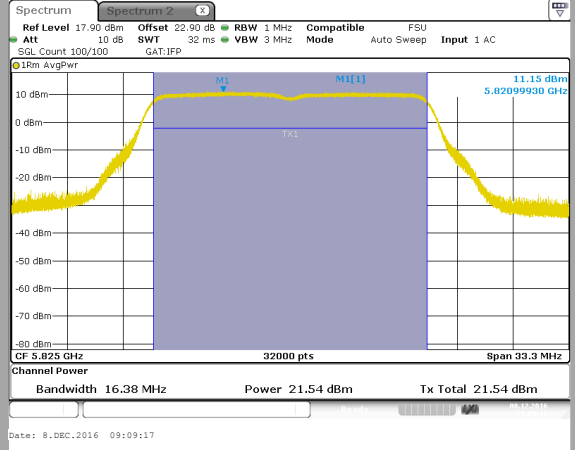
802.11a

C13

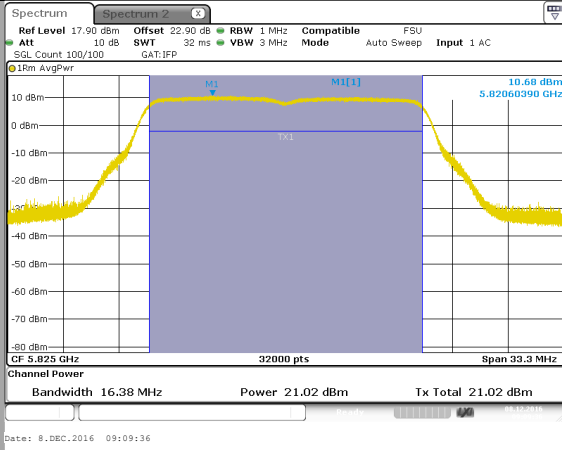
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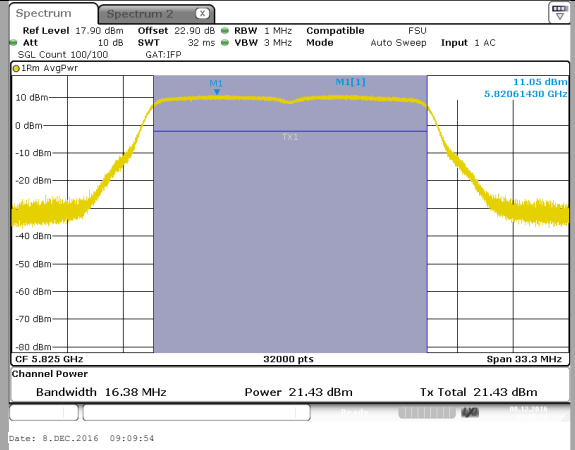
Tx2



Tx3



Tx4





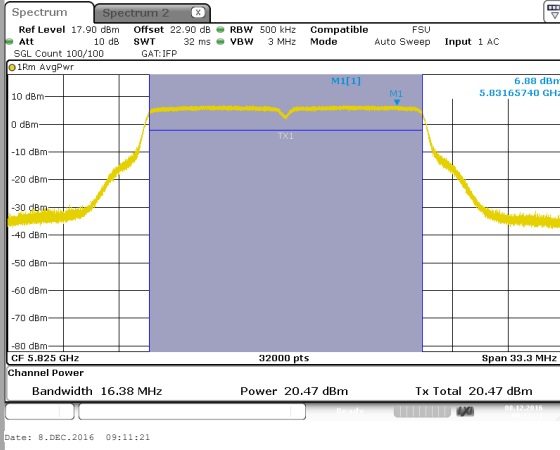


L C I E

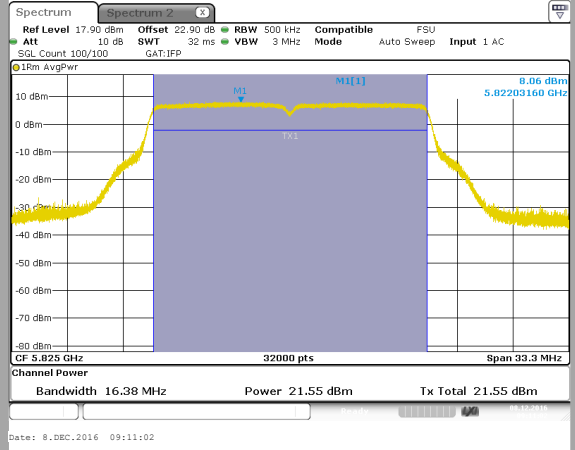
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C13

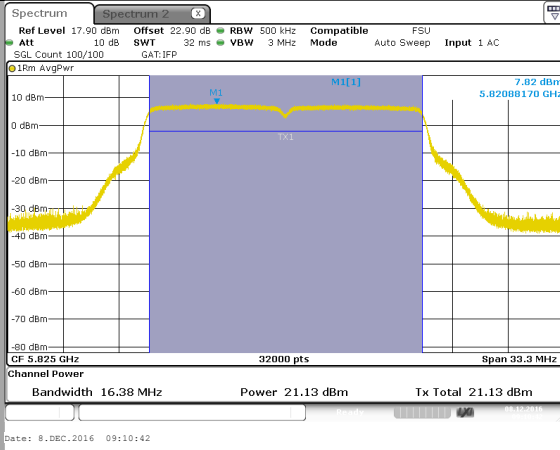
Tx1



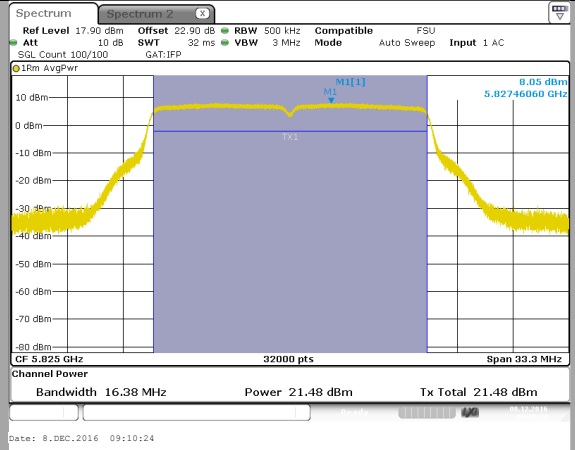
Tx2



Tx3



Tx4



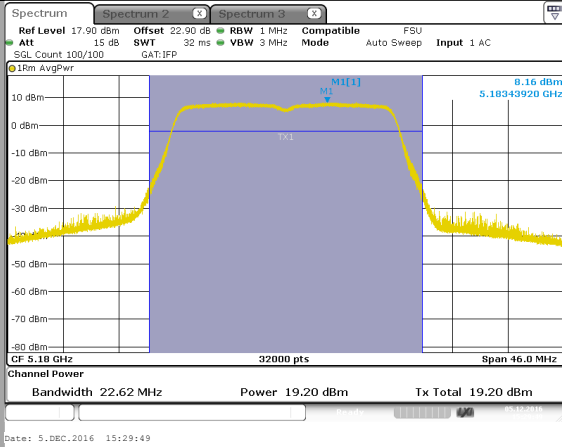


L C I E

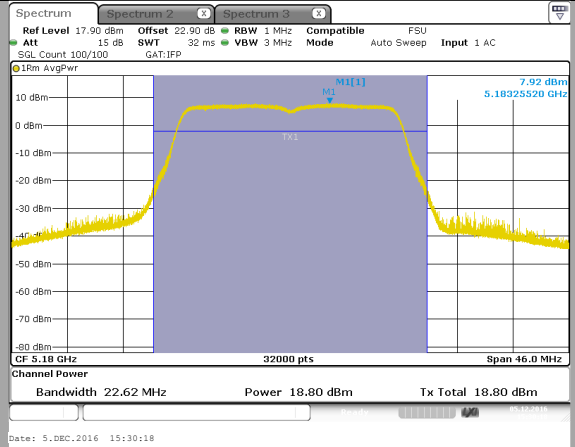
### 802.1111n HT20/ac VHT20

C1

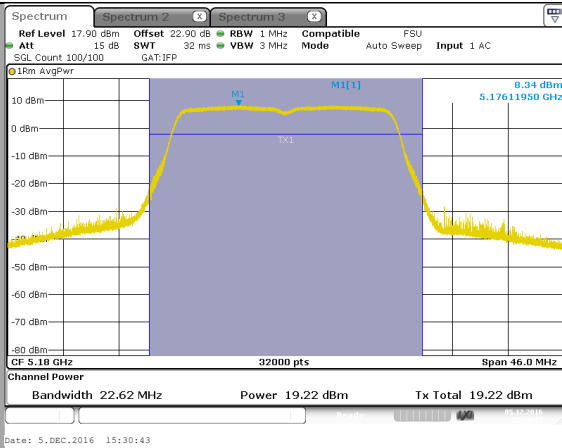
#### Tx1



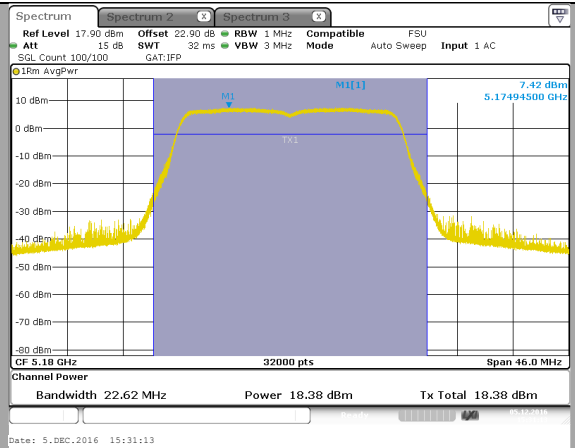
#### Tx2



#### Tx3



#### Tx4



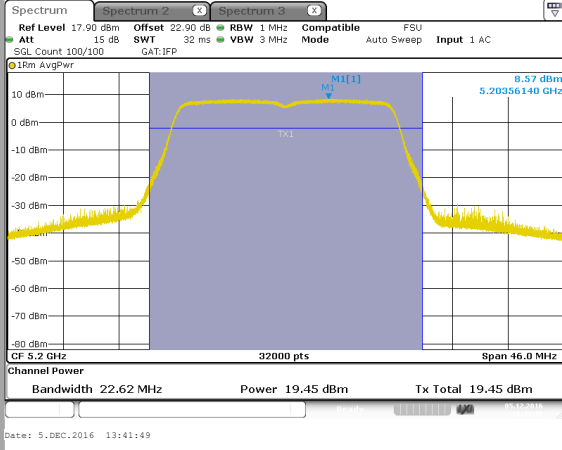


L C I E

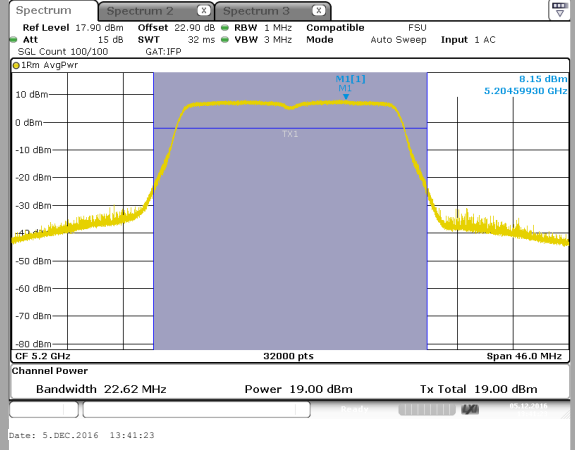
### 802.1111n HT20/ac VHT20

#### C2

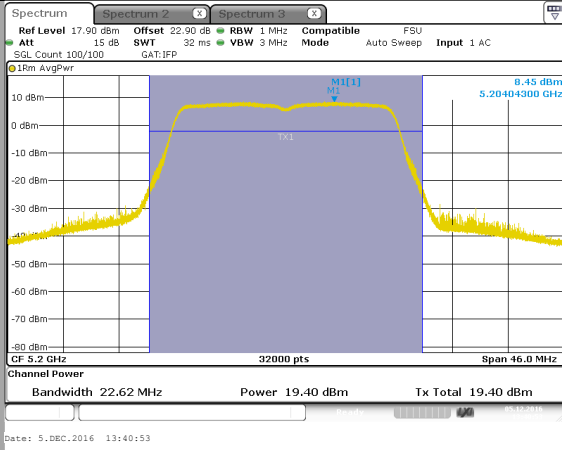
##### Tx1



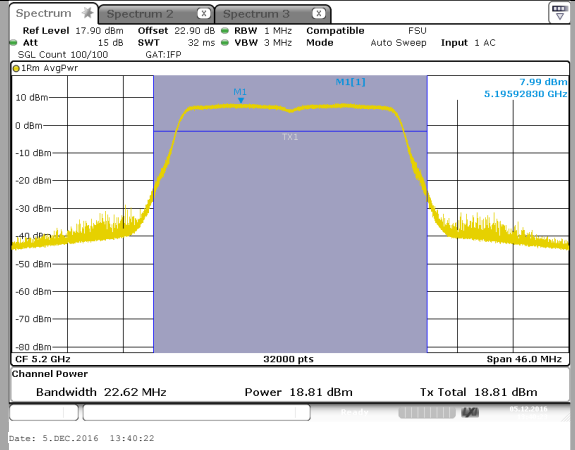
##### Tx2



##### Tx3



##### Tx4



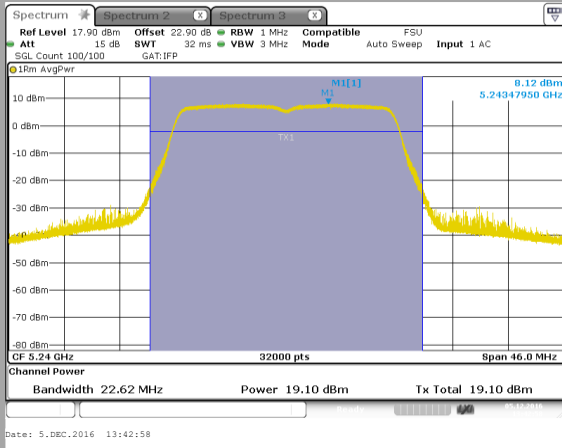


L C I E

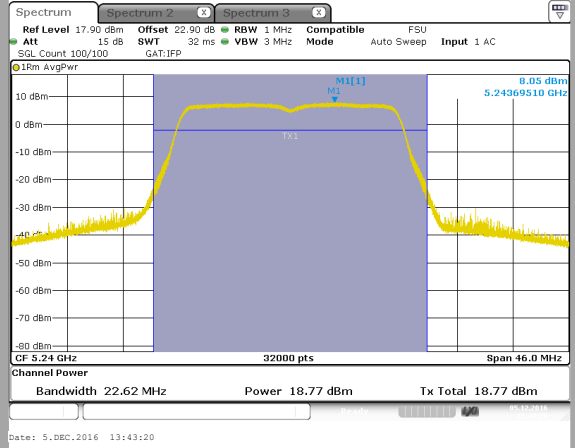
### 802.1111n HT20/ac VHT20

C3

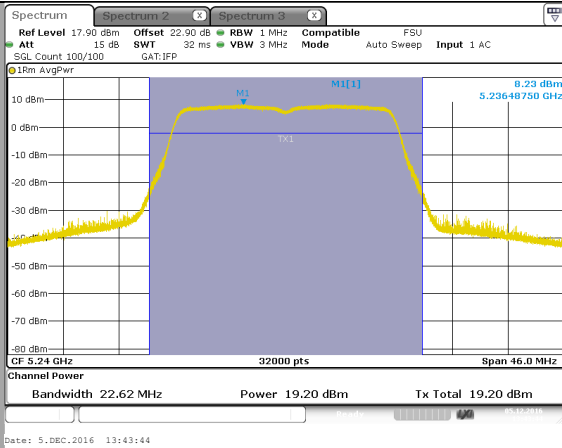
#### Tx1



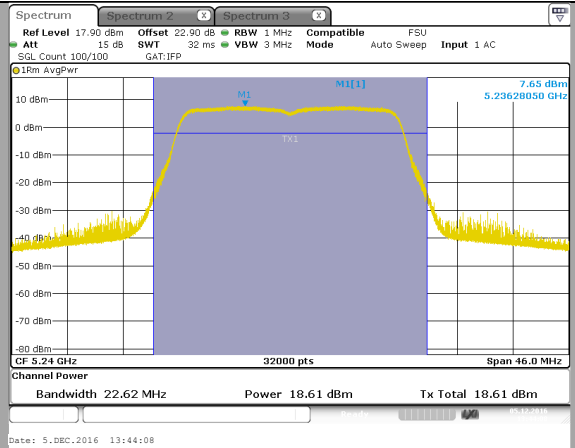
#### Tx2



#### Tx3



#### Tx4



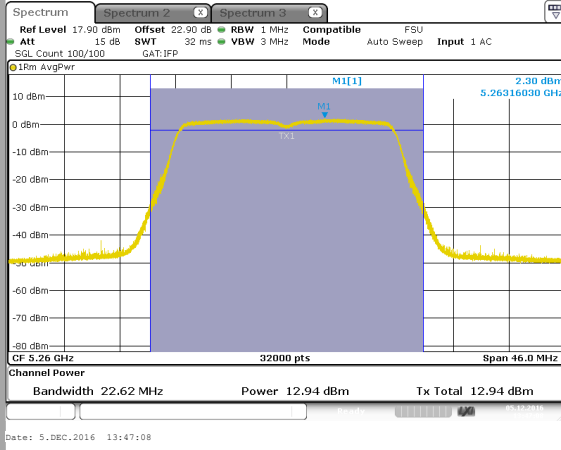


L C I E

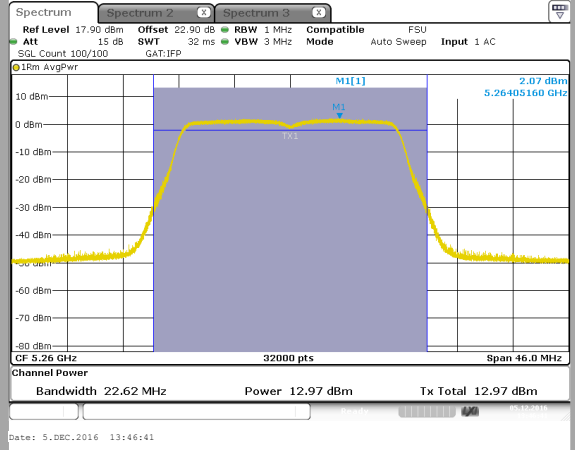
### 802.1111n HT20/ac VHT20

#### C4

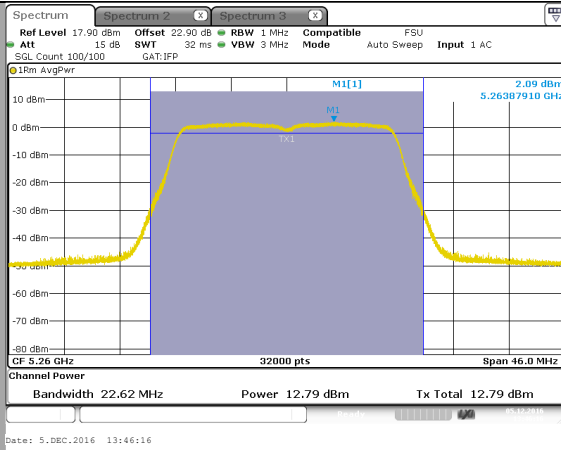
##### Tx1



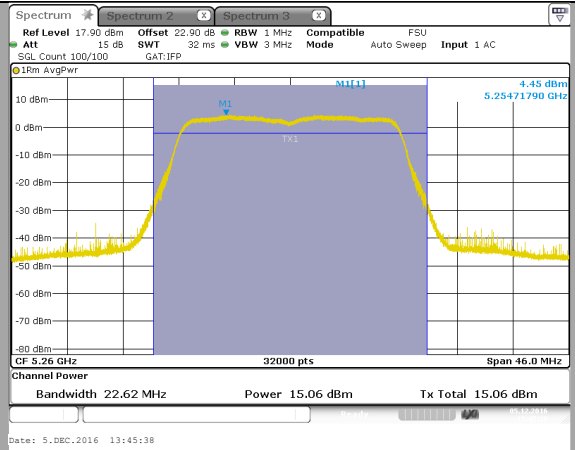
##### Tx2



##### Tx3



##### Tx4



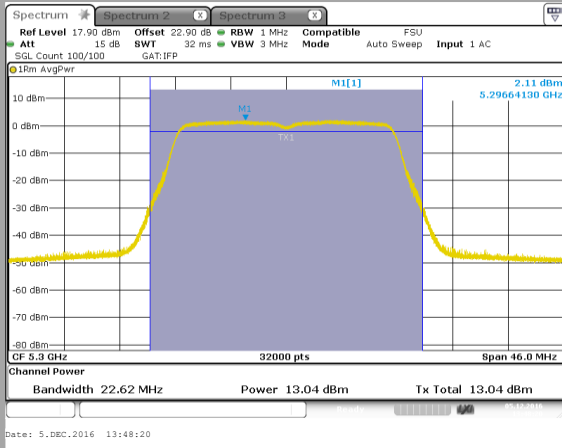


L C I E

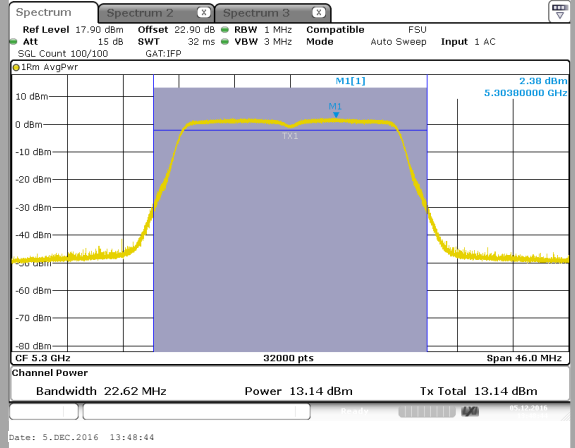
### 802.1111n HT20/ac VHT20

C5

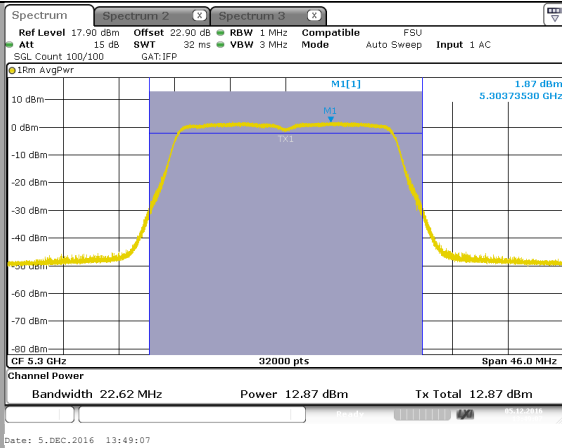
#### Tx1



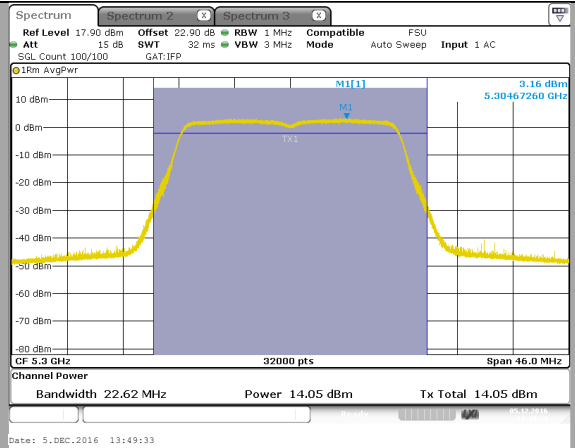
#### Tx2



#### Tx3



#### Tx4



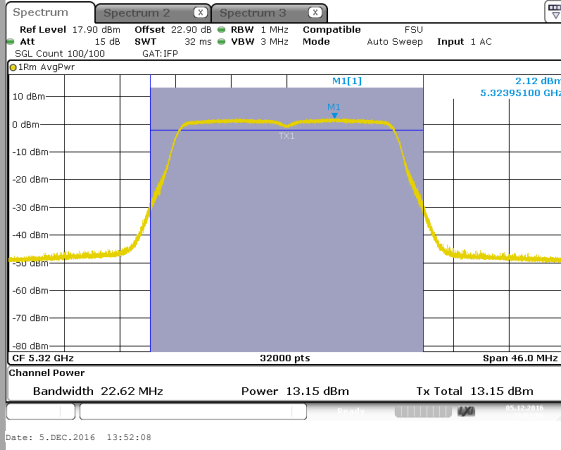


L C I E

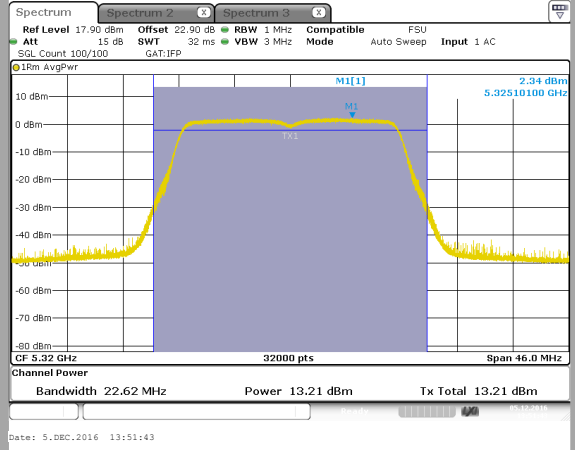
### 802.1111n HT20/ac VHT20

C6

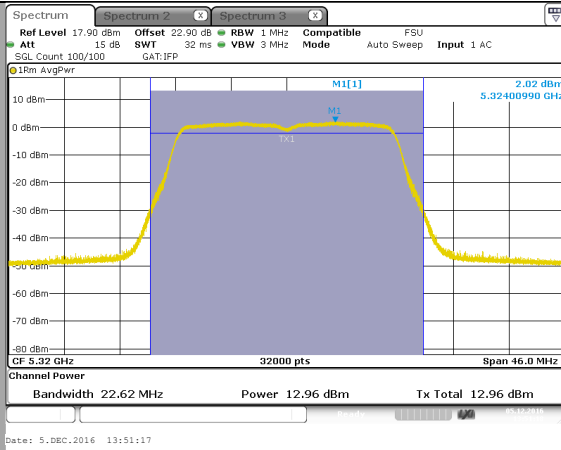
#### Tx1



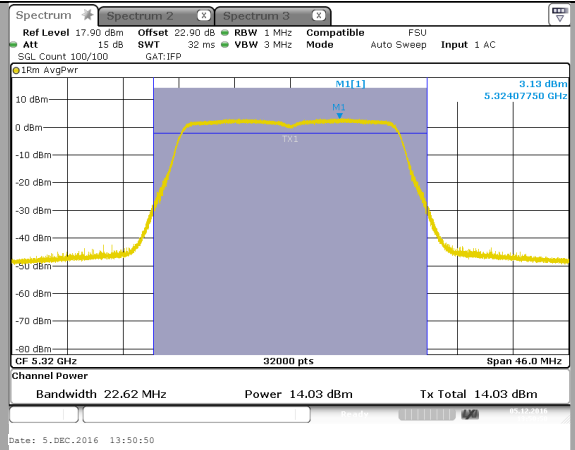
#### Tx2



#### Tx3



#### Tx4



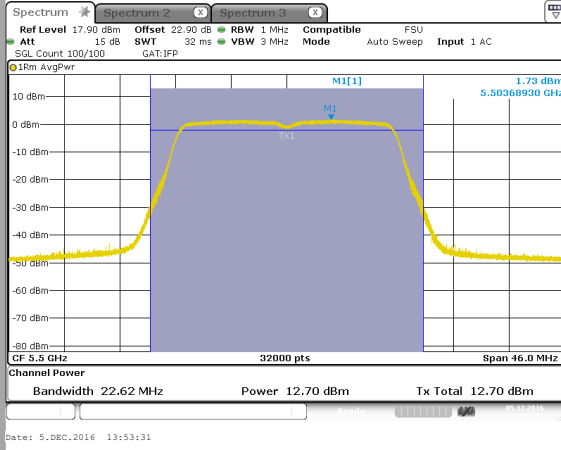


L C I E

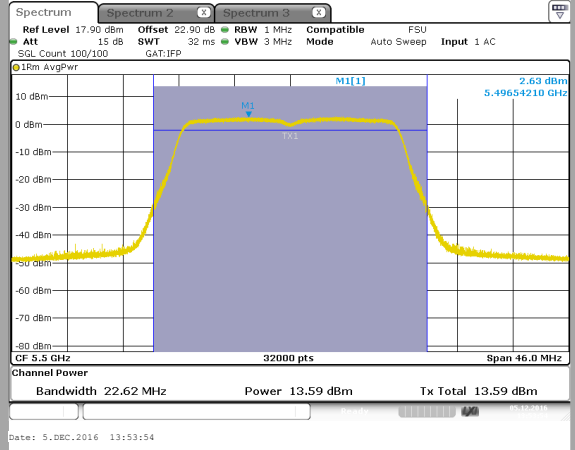
### 802.1111n HT20/ac VHT20

C7

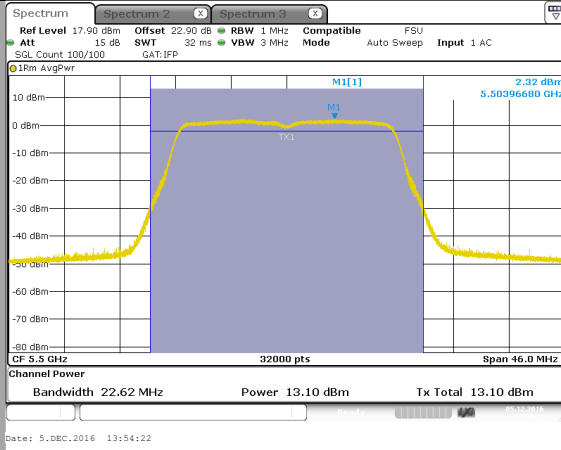
#### Tx1



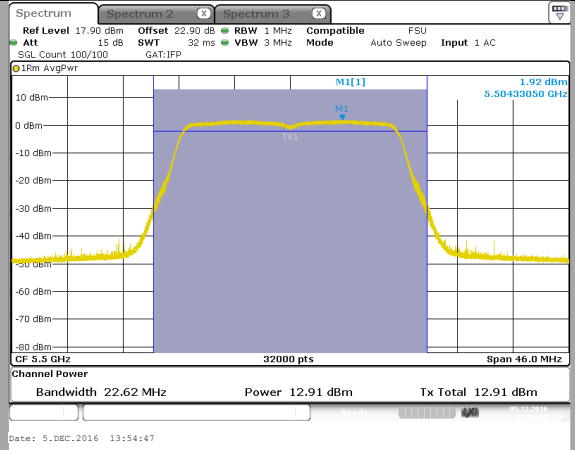
#### Tx2



#### Tx3



#### Tx4





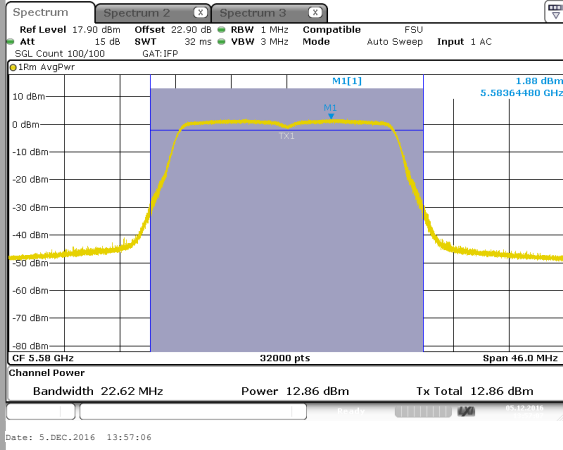


L C I E

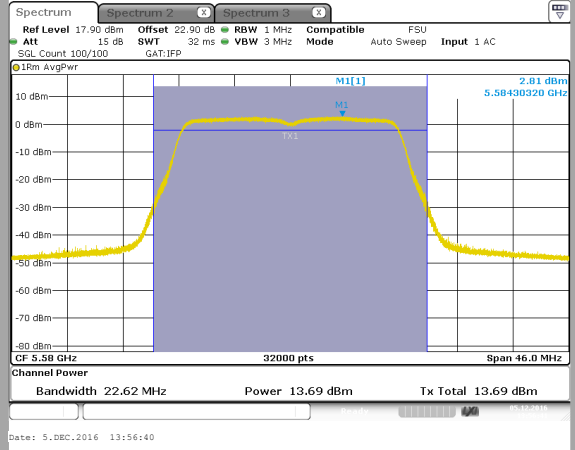
### 802.1111n HT20/ac VHT20

C8

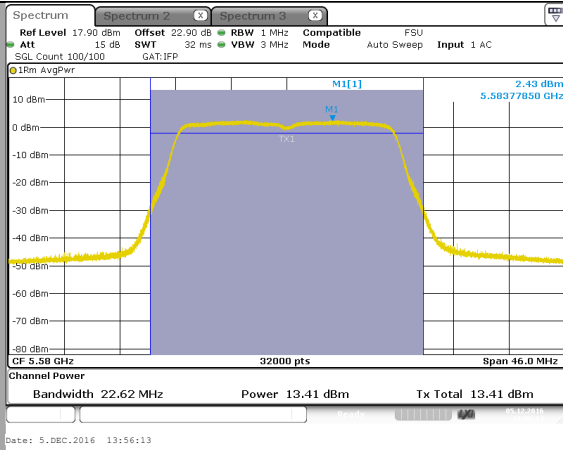
#### Tx1



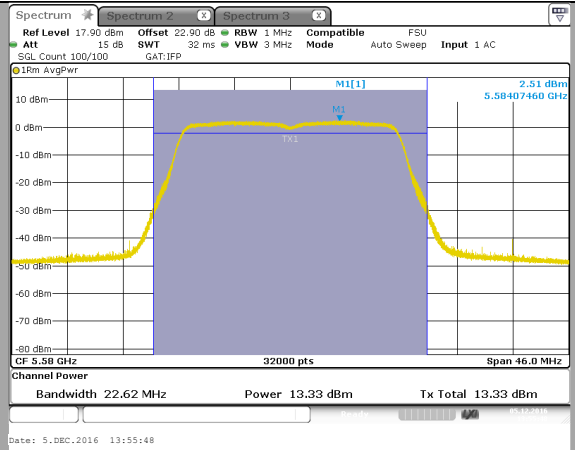
#### Tx2



#### Tx3



#### Tx4



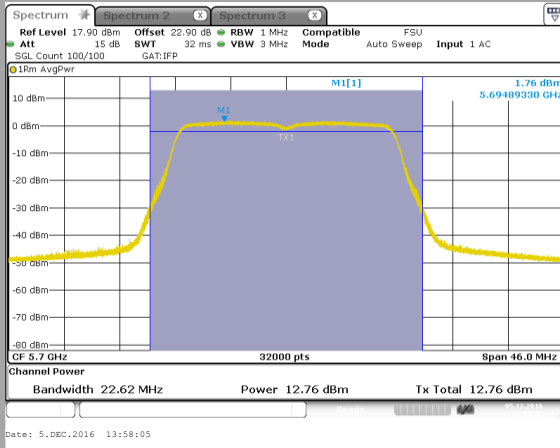


L C I E

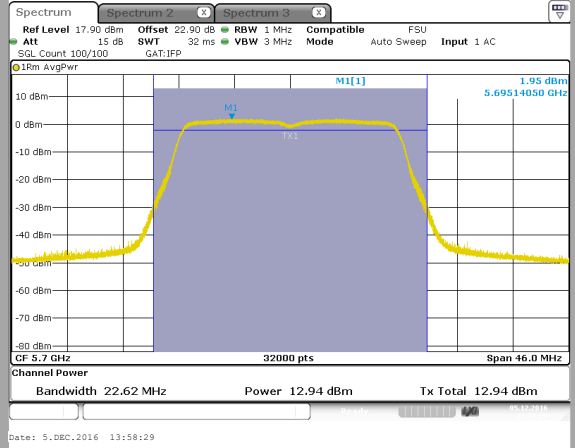
### 802.1111n HT20/ac VHT20

C9

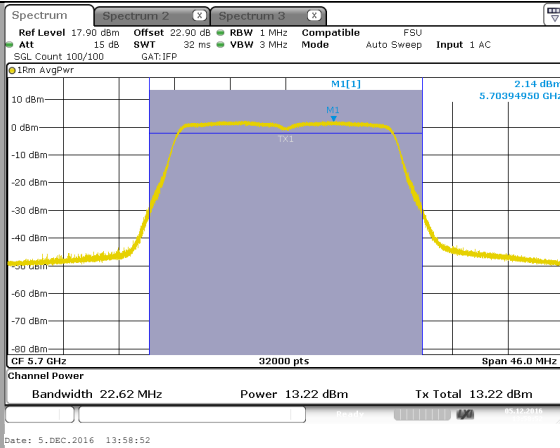
#### Tx1



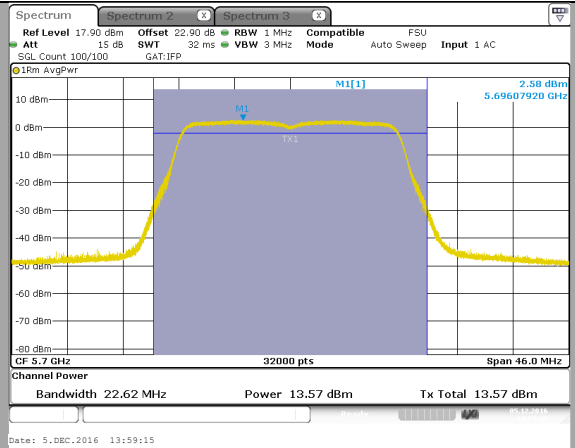
#### Tx2



#### Tx3



#### Tx4

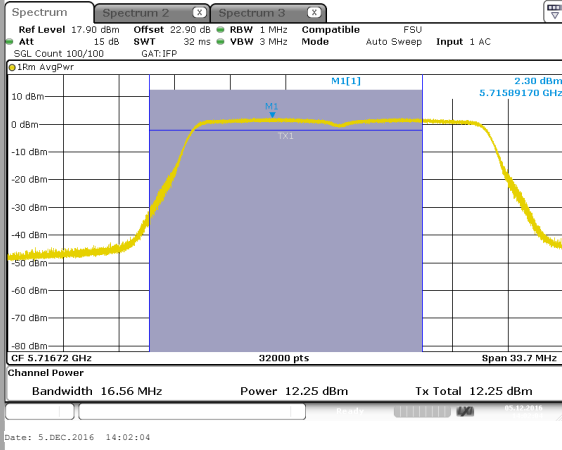




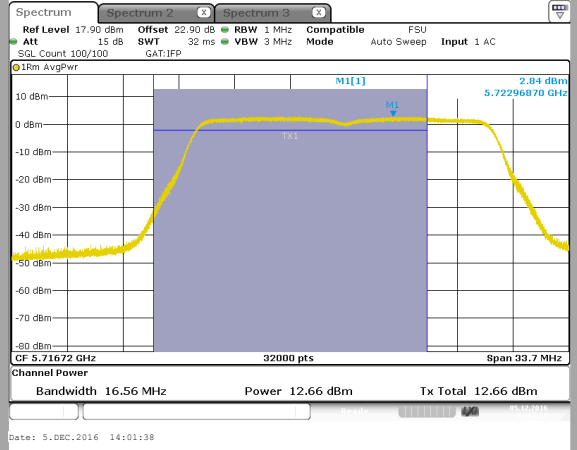
L C I E

802.1111n HT20/ac VHT20  
C10 Straddle 5470MHz-5725MHz

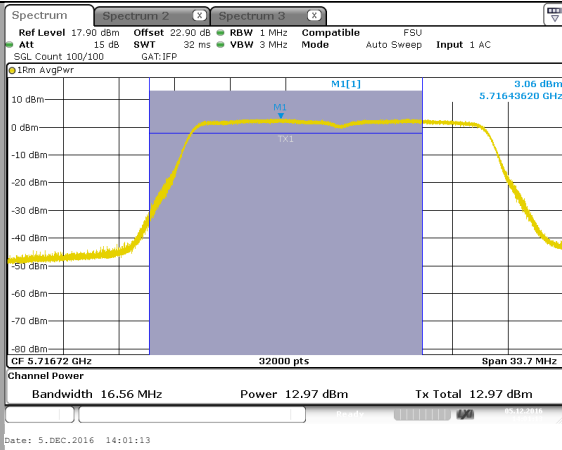
Tx1



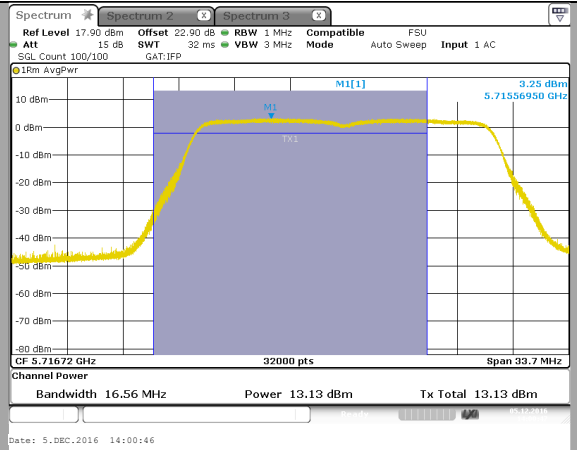
Tx2



Tx3



Tx4

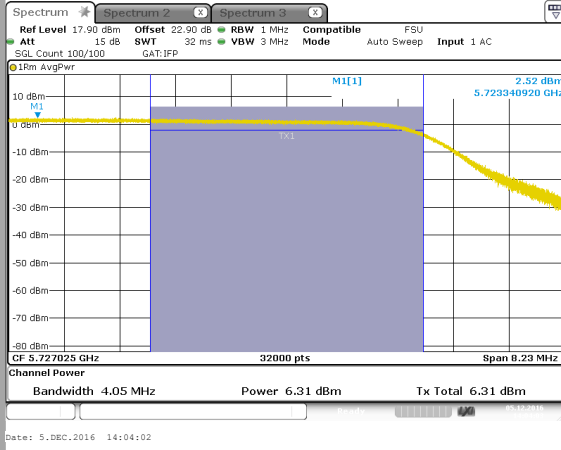




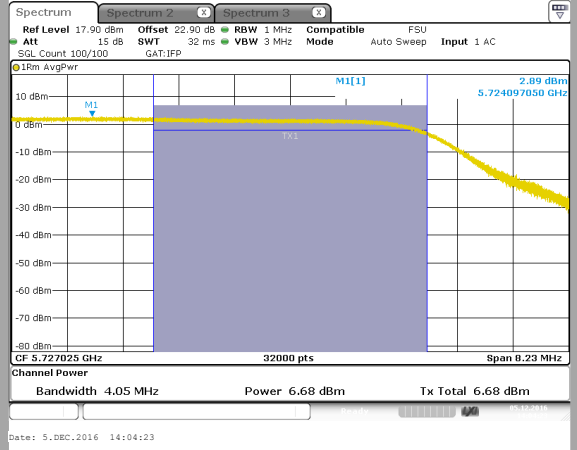
L C I E

802.1111n HT20/ac VHT20  
C10 Straddle 5725MHz-5850MHz

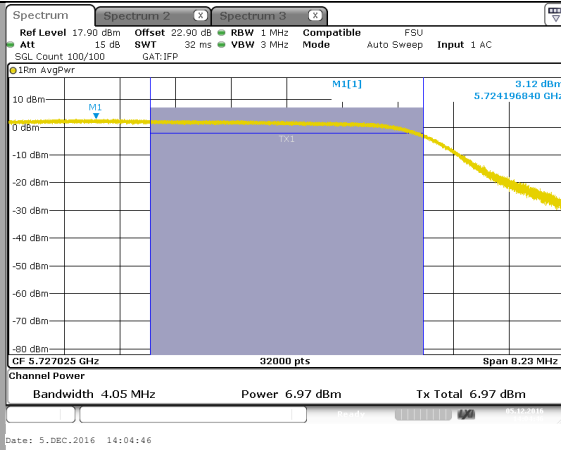
Tx1



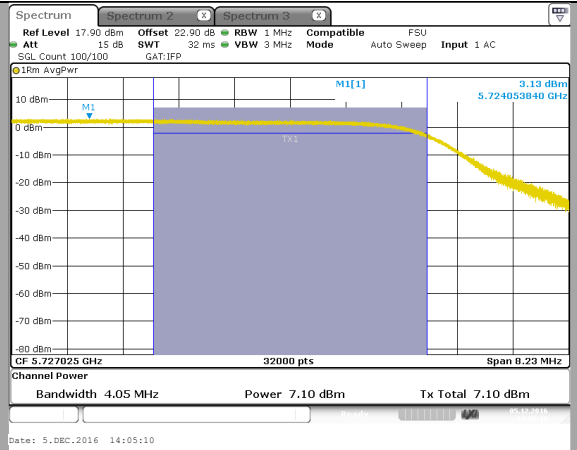
Tx2



Tx3



Tx4

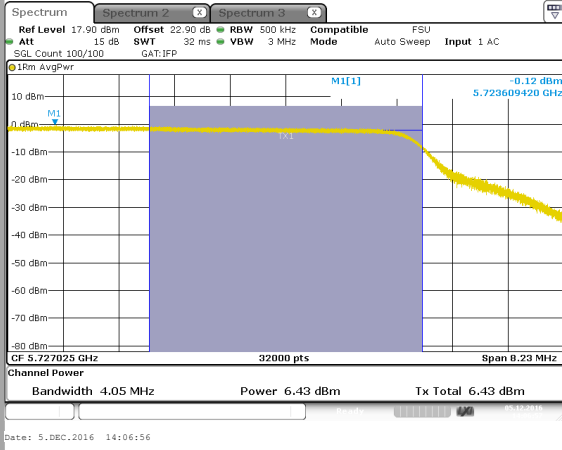




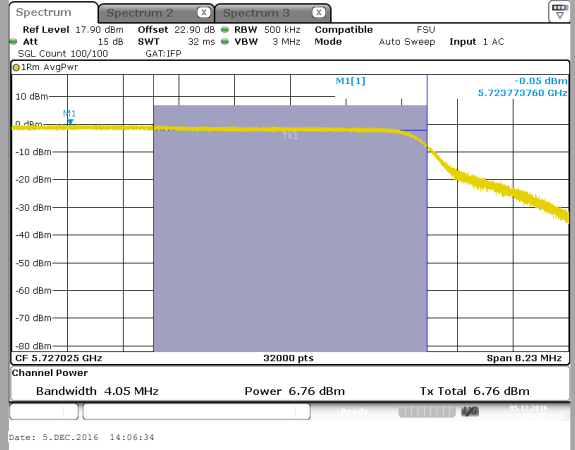
L C I E

802.1111n HT20/ac VHT20  
C10 Straddle 5725MHz-5850MHz

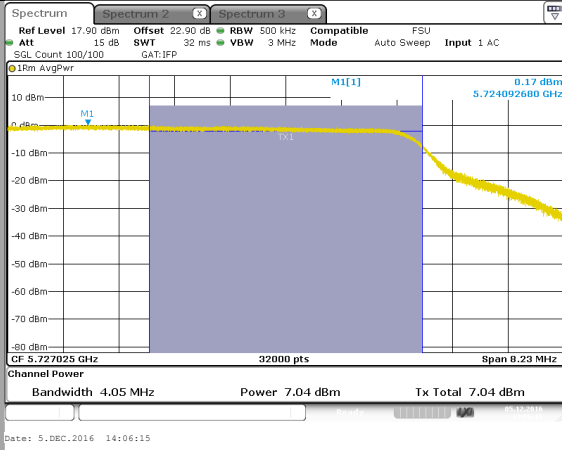
Tx1



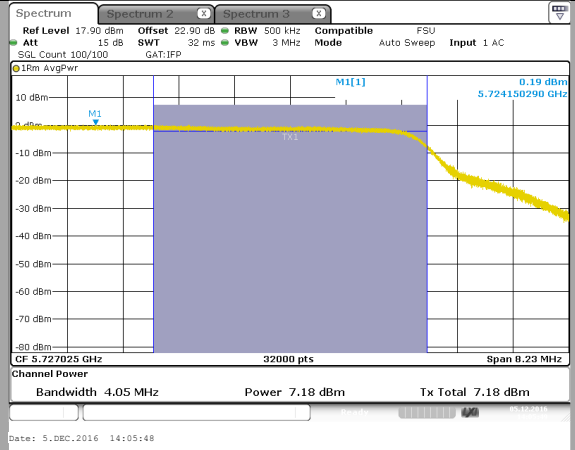
Tx2



Tx3



Tx4



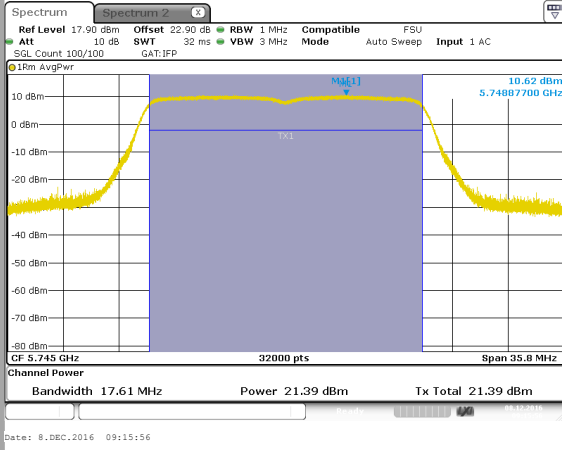


L C I E

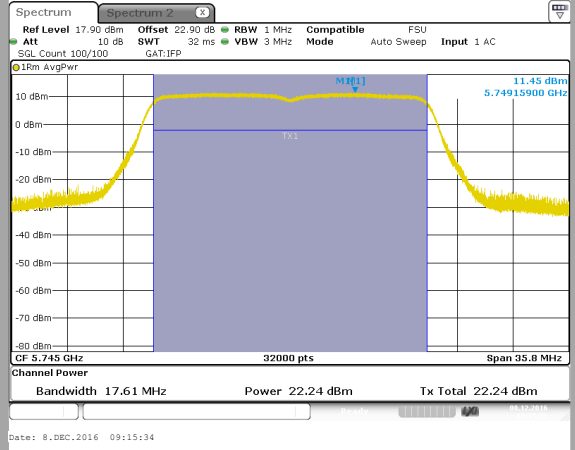
### 802.1111n HT20/ac VHT20

#### C11

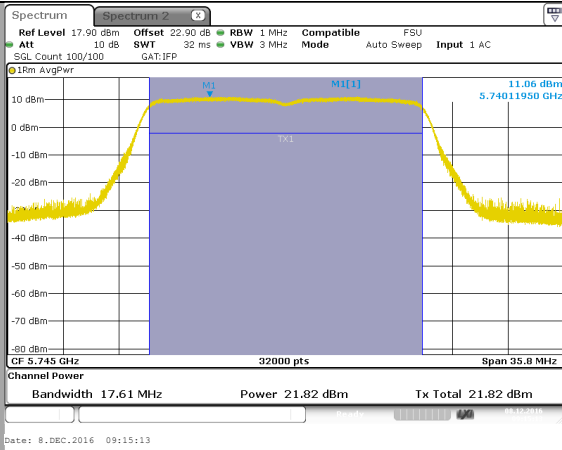
#### Tx1



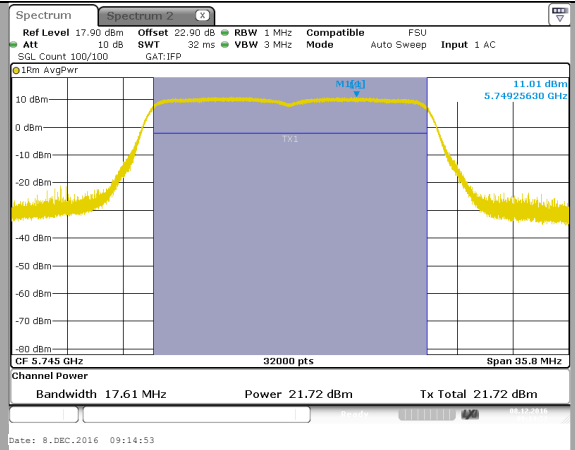
#### Tx2



#### Tx3



#### Tx4



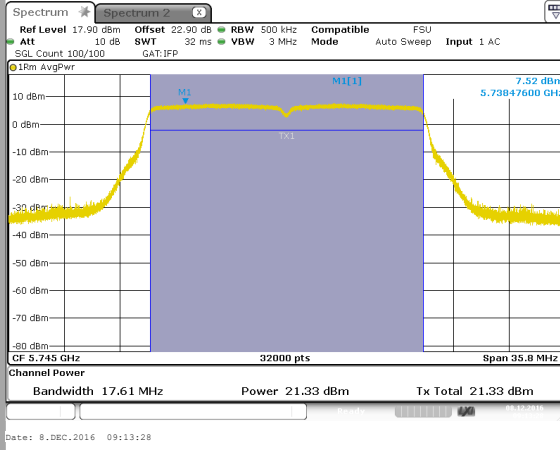


L C I E

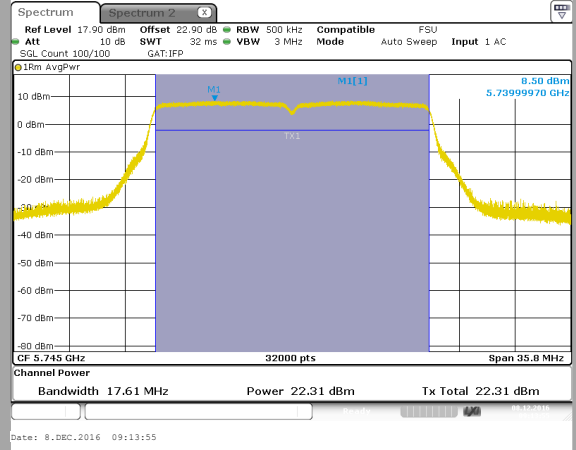
### 802.1111n HT20/ac VHT20

#### C11

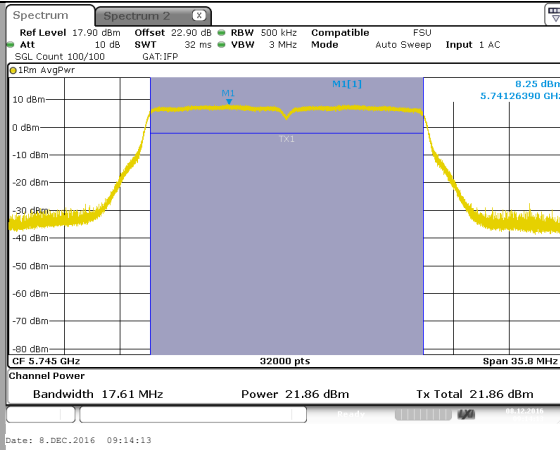
#### Tx1



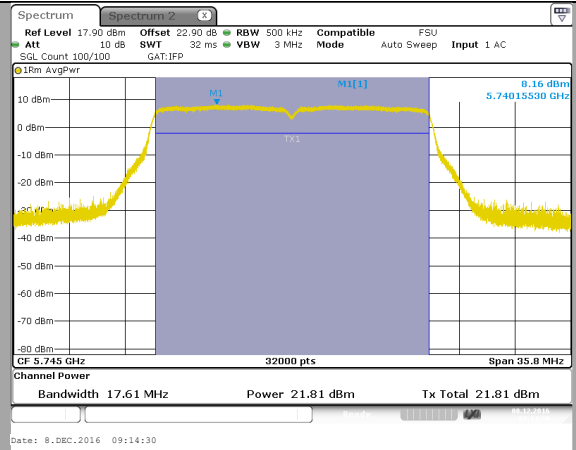
#### Tx2



#### Tx3



#### Tx4



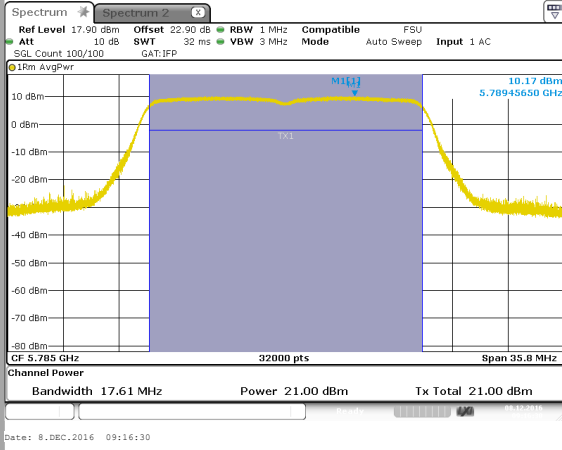


L C I E

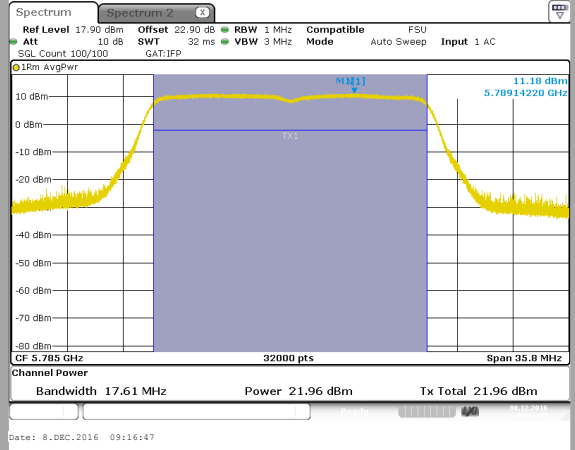
### 802.1111n HT20/ac VHT20

#### C12

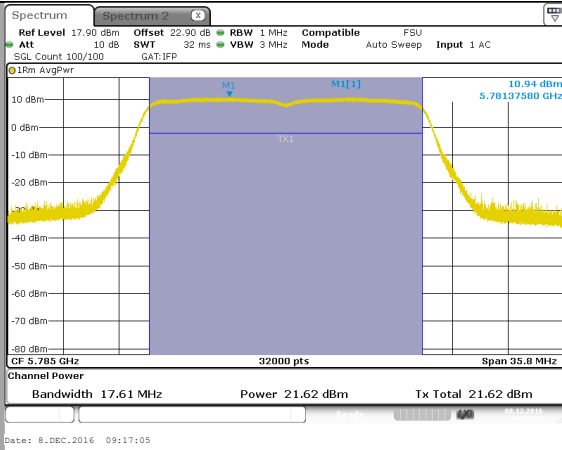
#### Tx1



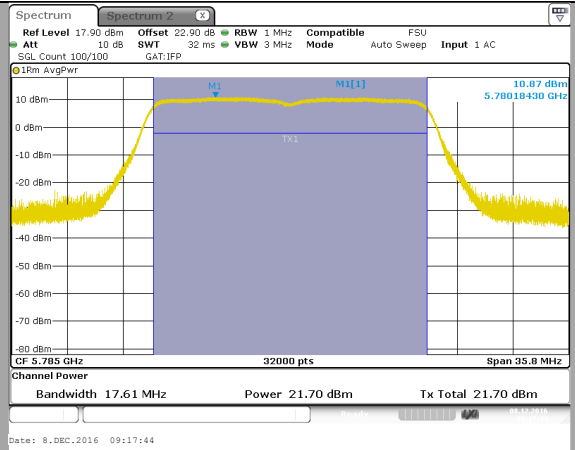
#### Tx2



#### Tx3



#### Tx4





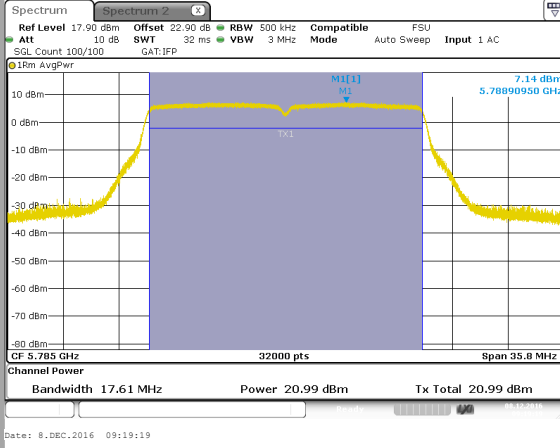


L C I E

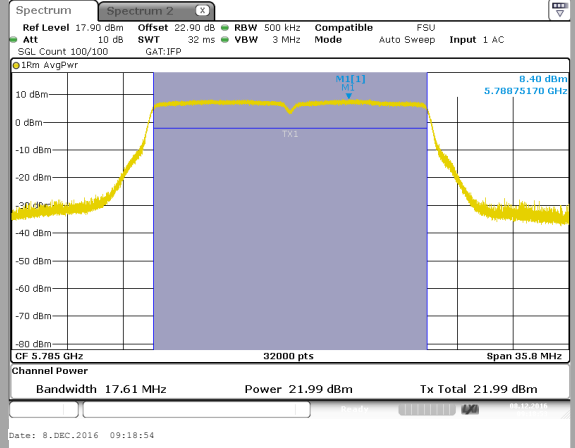
802.1111n HT20/ac VHT20

C12

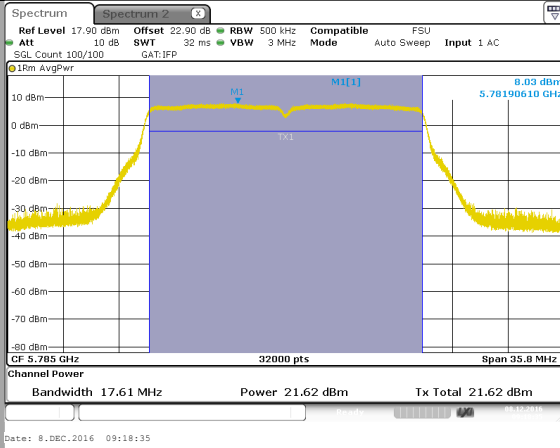
Tx1



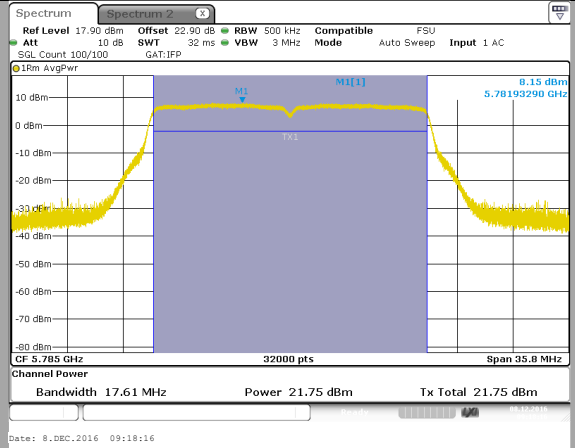
Tx2



Tx3



Tx4



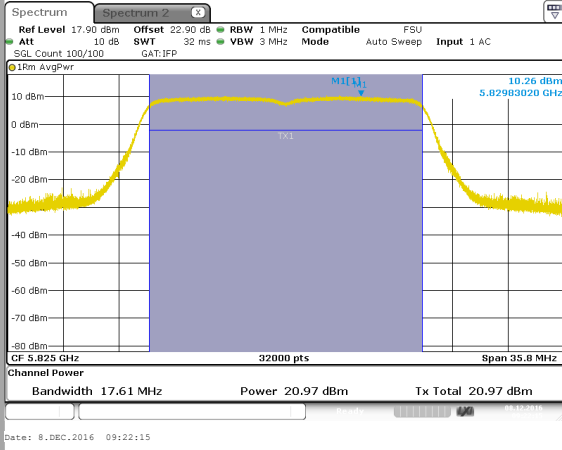


L C I E

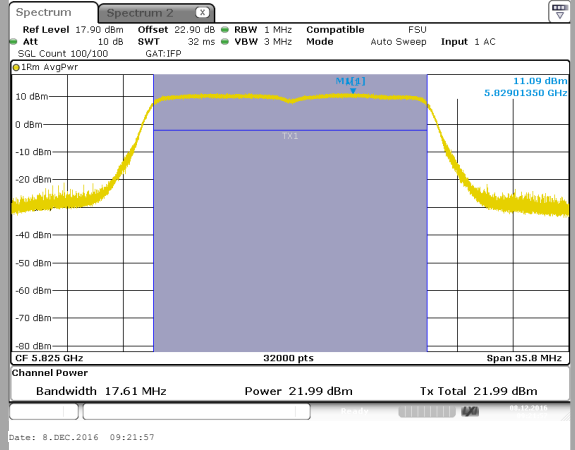
802.1111n HT20/ac VHT20

C13

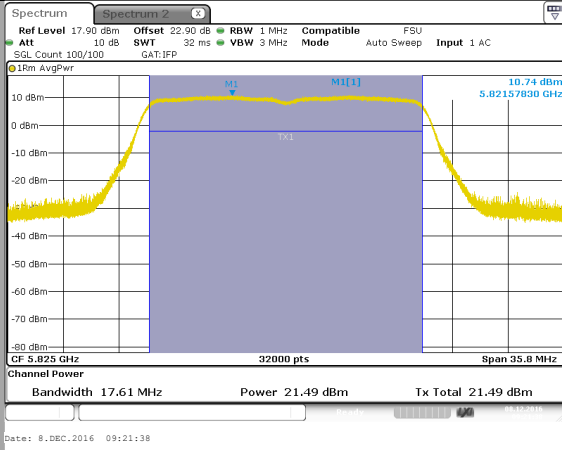
Tx1



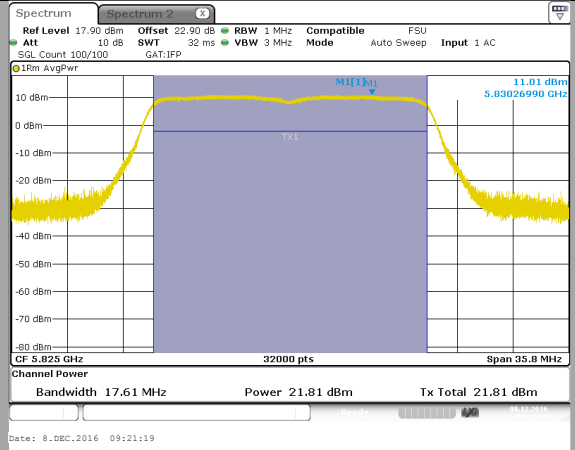
Tx2



Tx3



Tx4



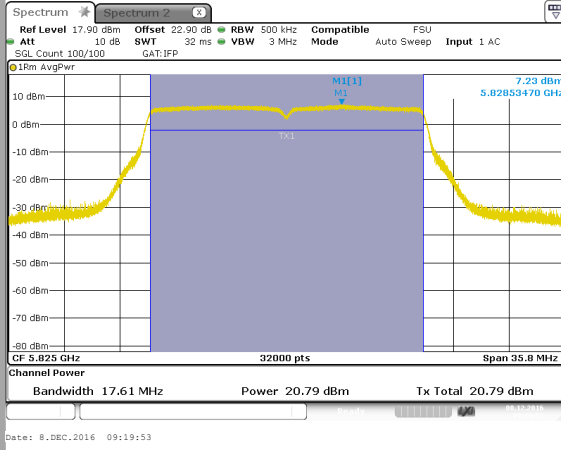


L C I E

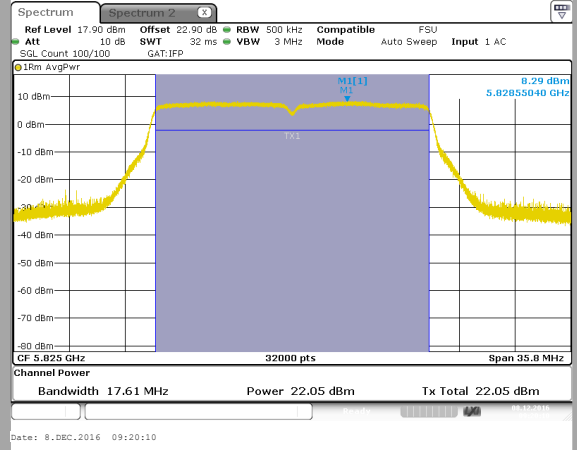
### 802.1111n HT20/ac VHT20

#### C13

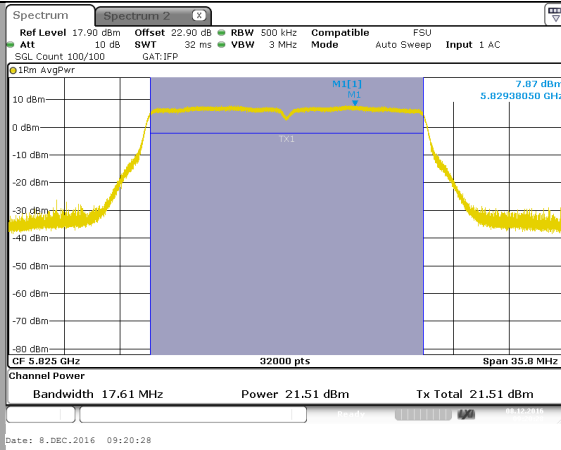
#### Tx1



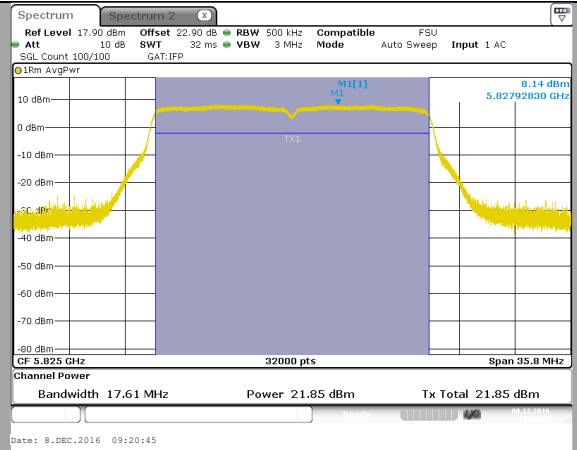
#### Tx2



#### Tx3



#### Tx4



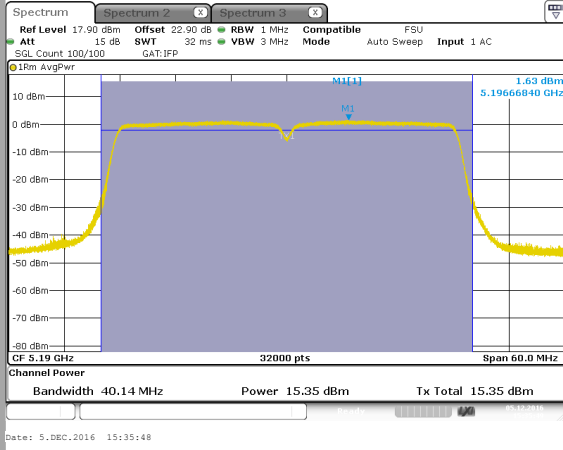


L C I E

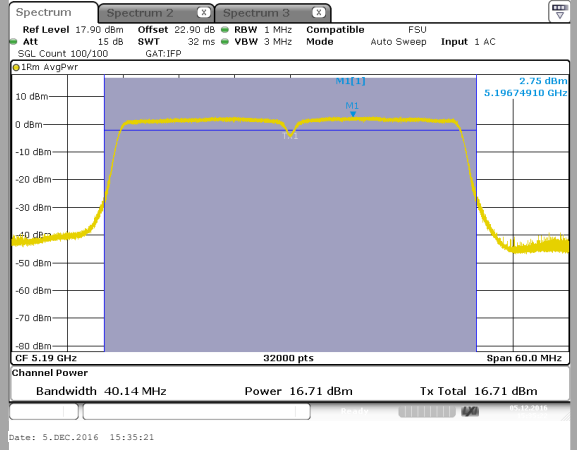
### 802.1111n HT40/ac VHT40

#### C14

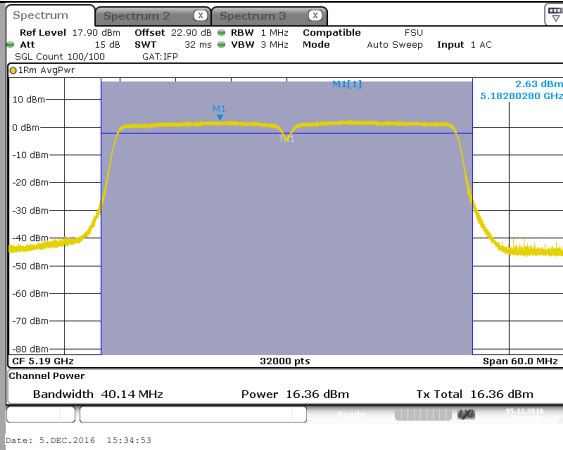
#### Tx1



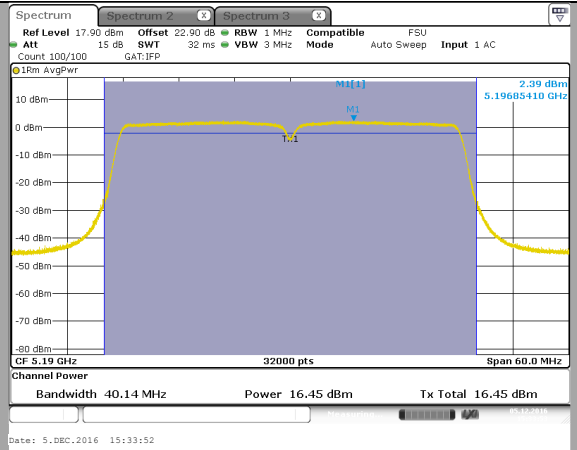
#### Tx2



#### Tx3



#### Tx4



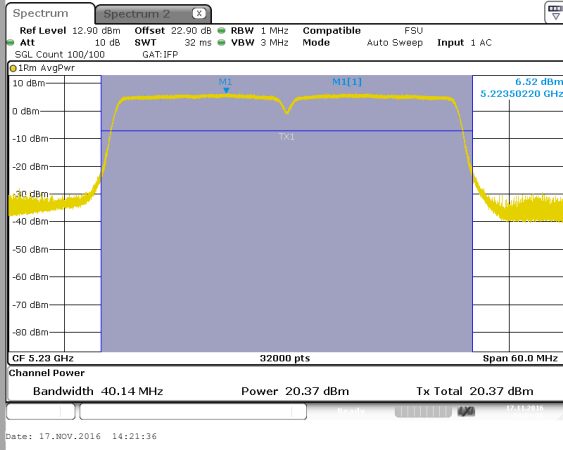


L C I E

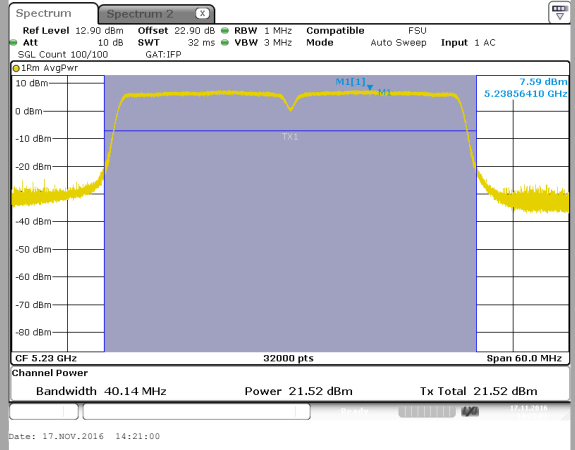
### 802.1111n HT40/ac VHT40

#### C15

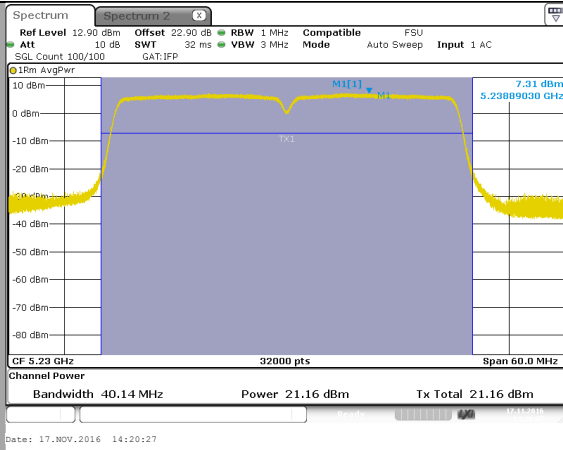
#### Tx1



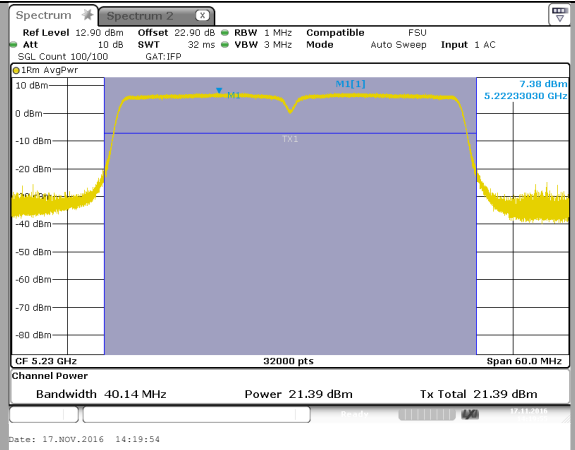
#### Tx2



#### Tx3



#### Tx4



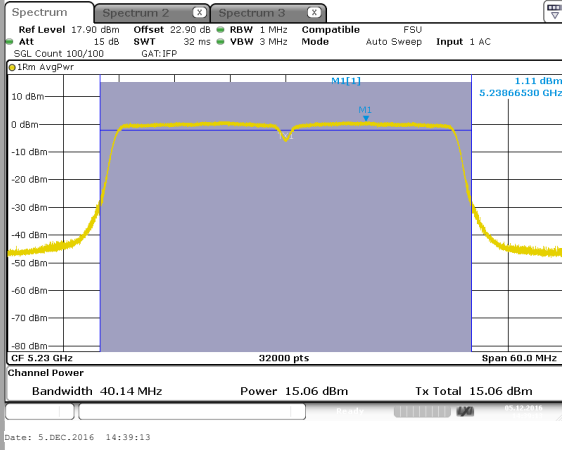


L C I E

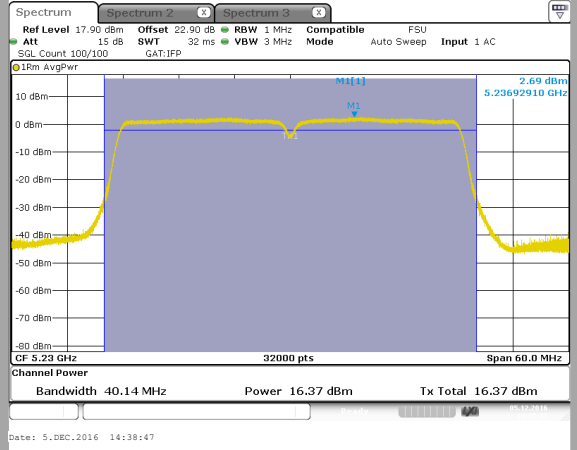
802.1111n HT40/ac VHT40

C16

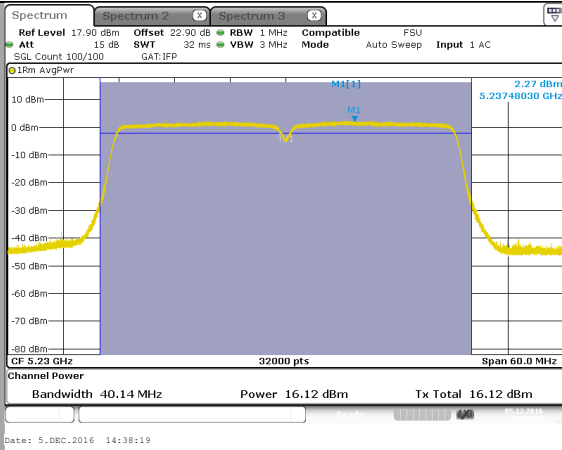
Tx1



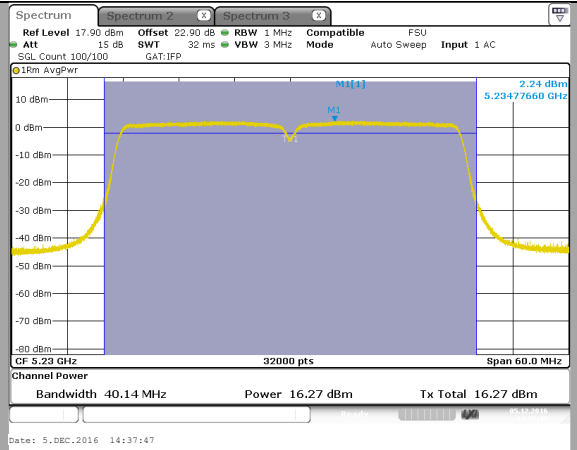
Tx2



Tx3



Tx4



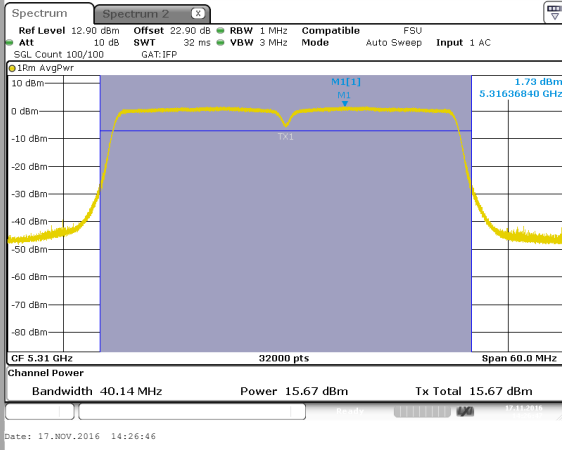


L C I E

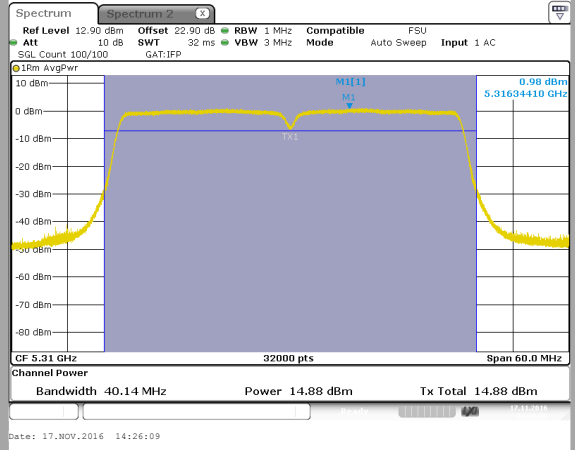
802.1111n HT40/ac VHT40

C17

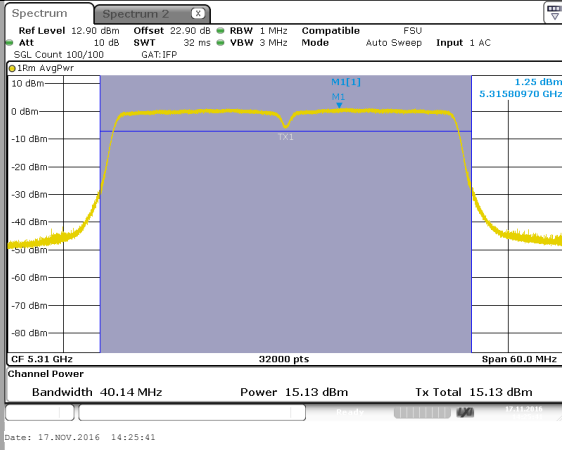
Tx1



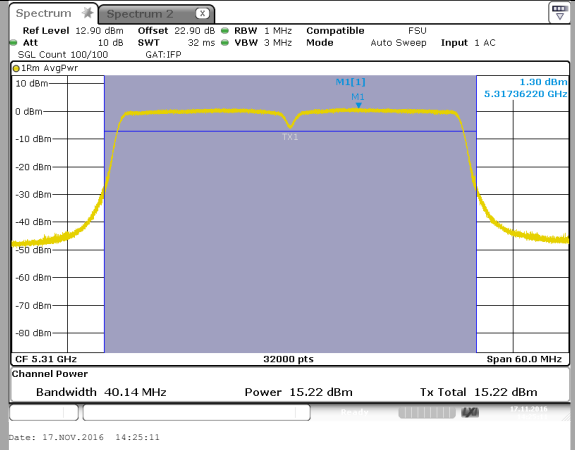
Tx2



Tx3



Tx4



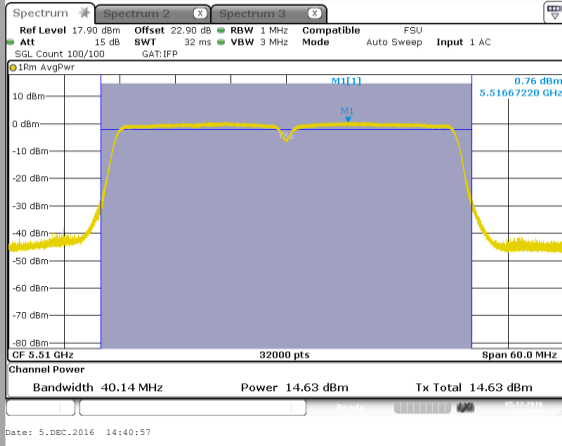


L C I E

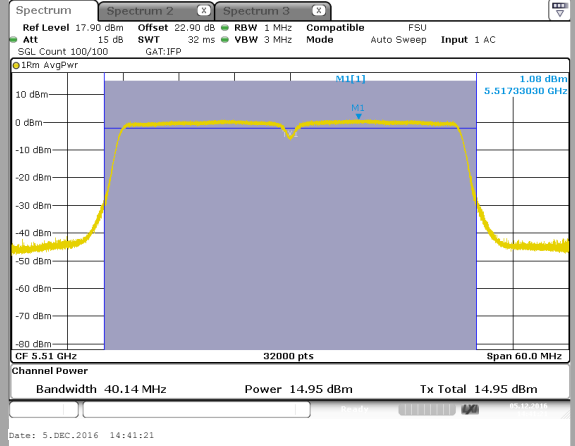
### 802.1111n HT40/ac VHT40

#### C18

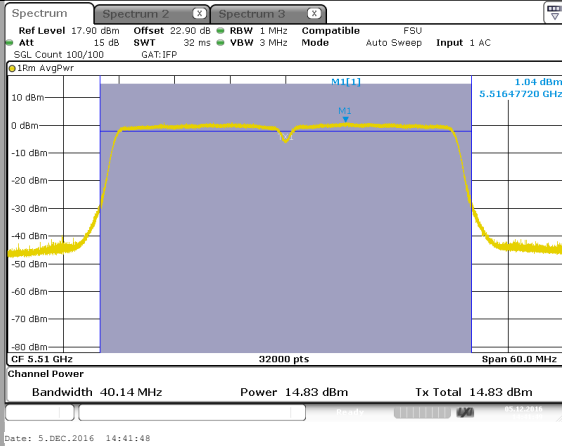
#### Tx1



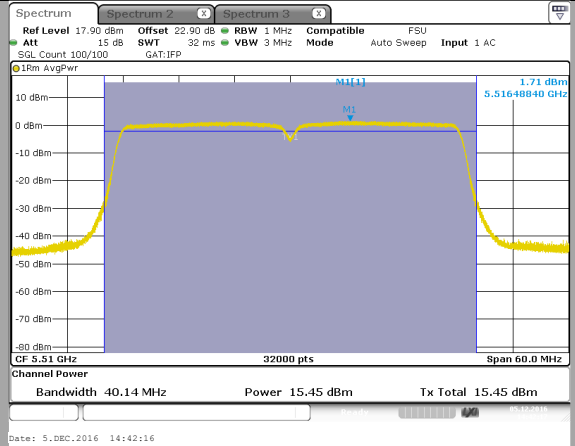
#### Tx2



#### Tx3



#### Tx4





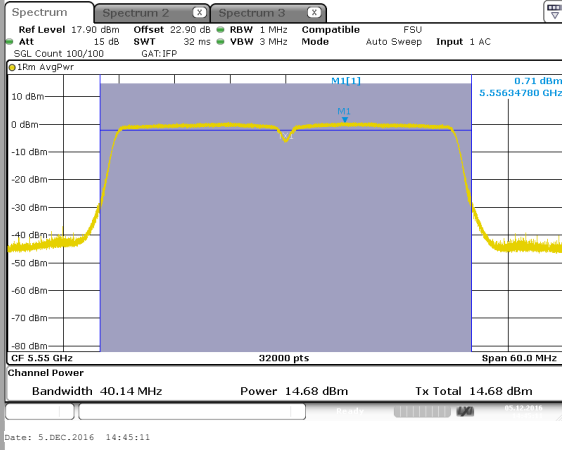


L C I E

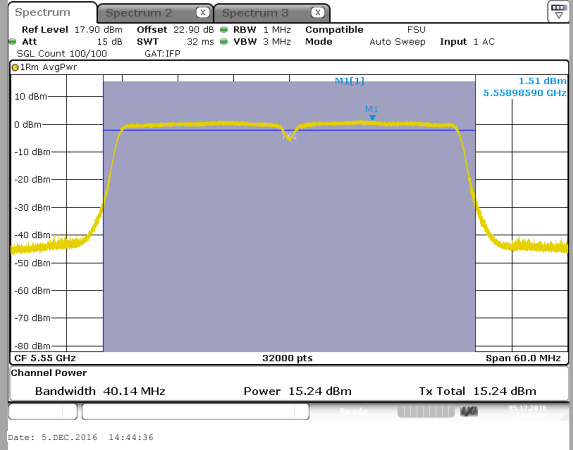
802.1111n HT40/ac VHT40

C19

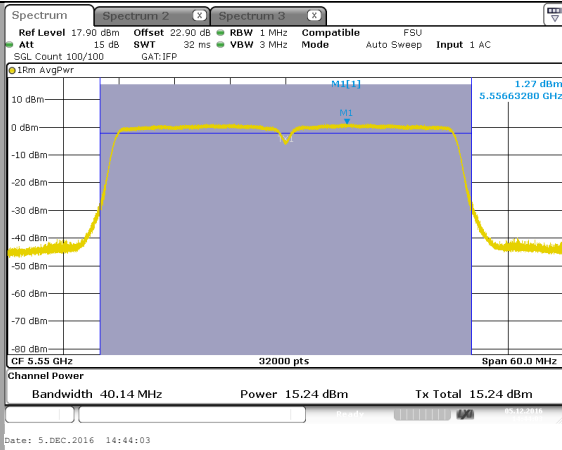
Tx1



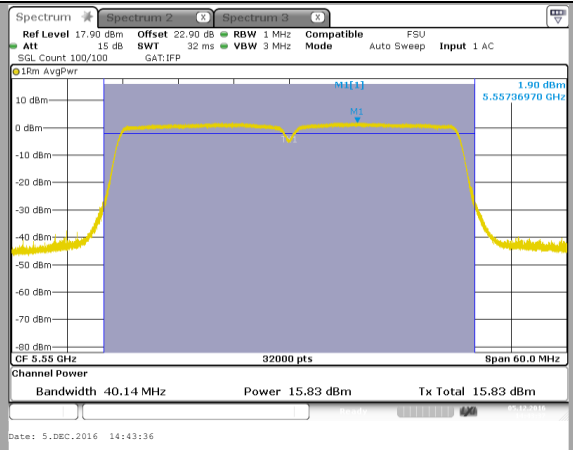
Tx2



Tx3



Tx4



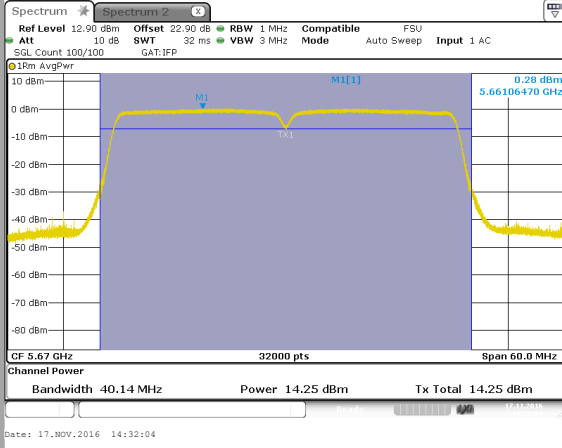


L C I E

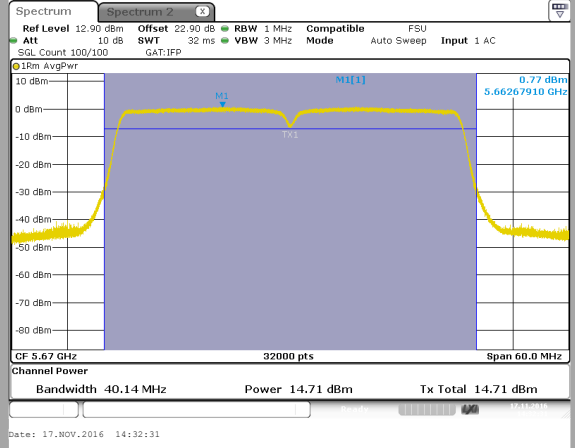
802.1111n HT40/ac VHT40

C20

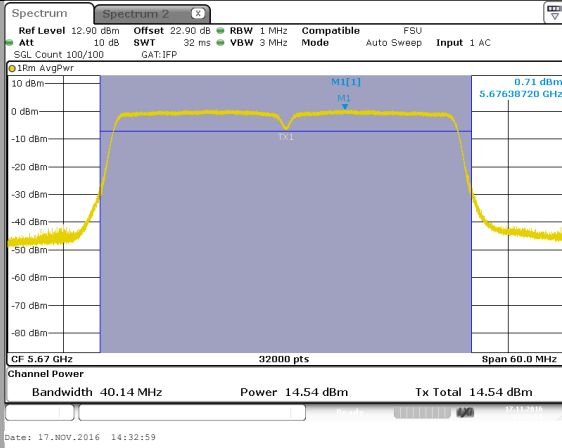
Tx1



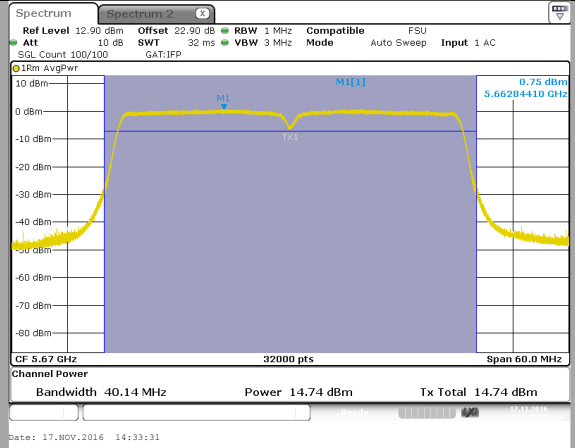
Tx2



Tx3



Tx4

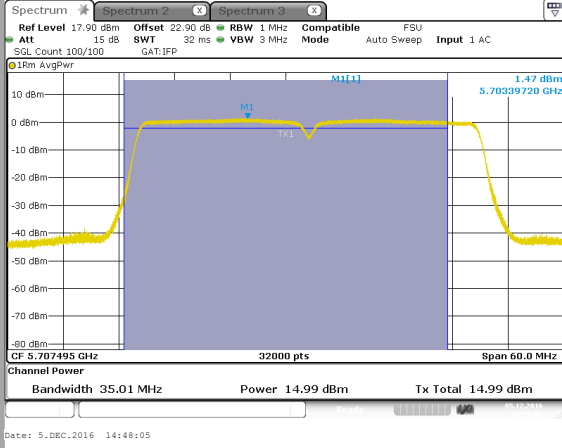




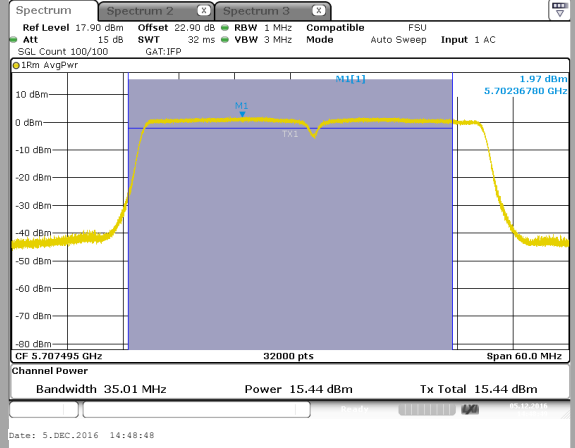
L C I E

802.1111n HT40/ac VHT40  
C21 Straddle 5470MHz-5725MHz

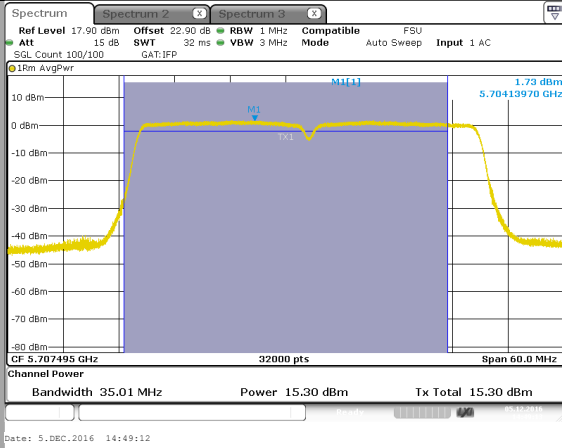
Tx1



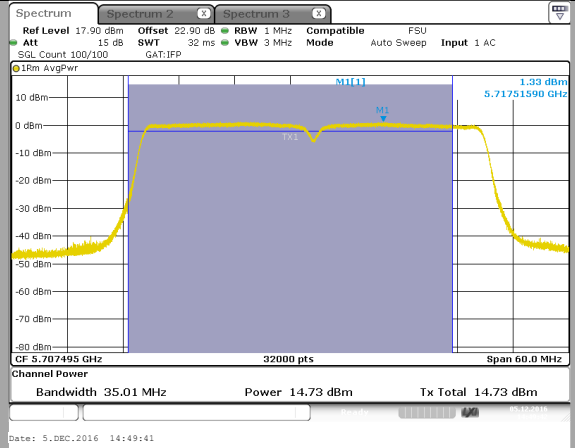
Tx2



Tx3



Tx4

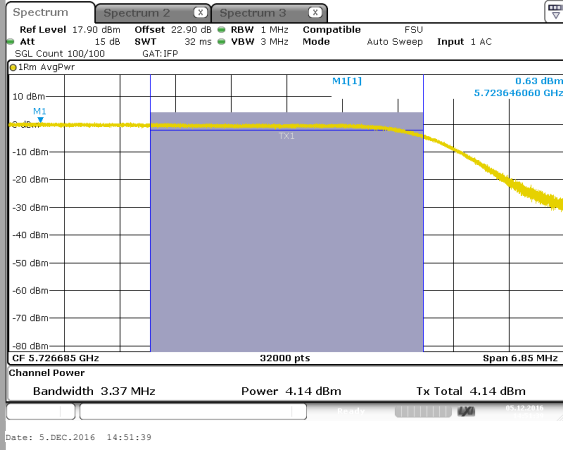




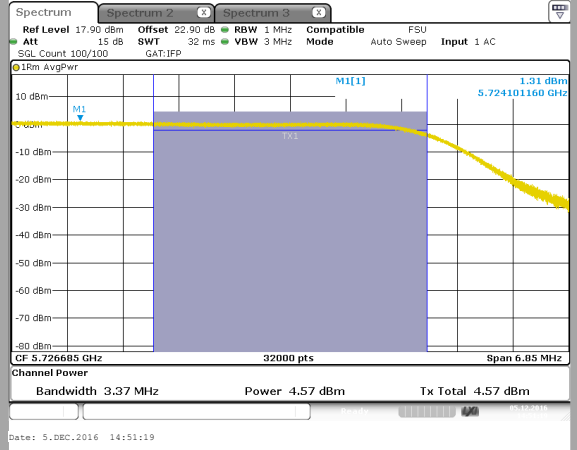
L C I E

802.1111n HT40/ac VHT40  
C21 Straddle 5725MHz-5850MHz

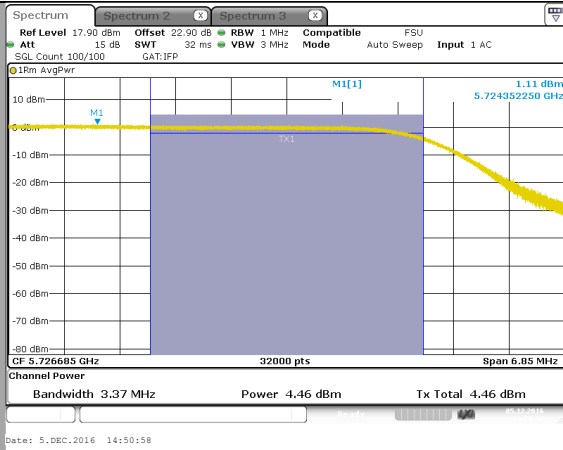
Tx1



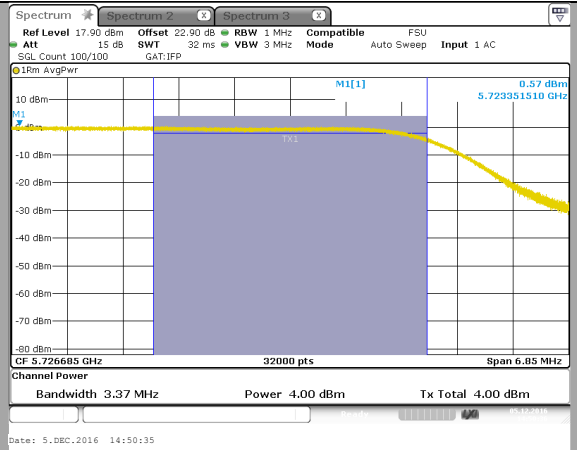
Tx2



Tx3



Tx4

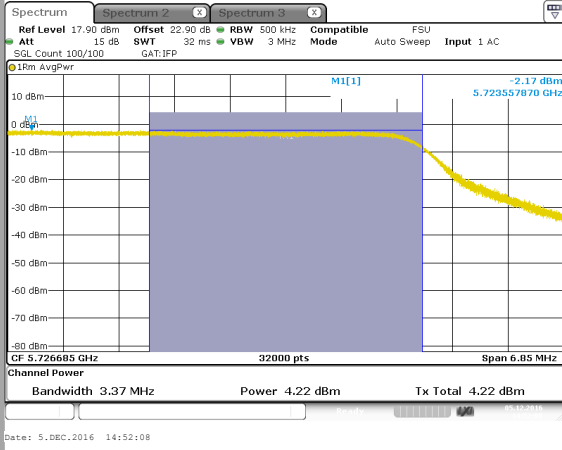




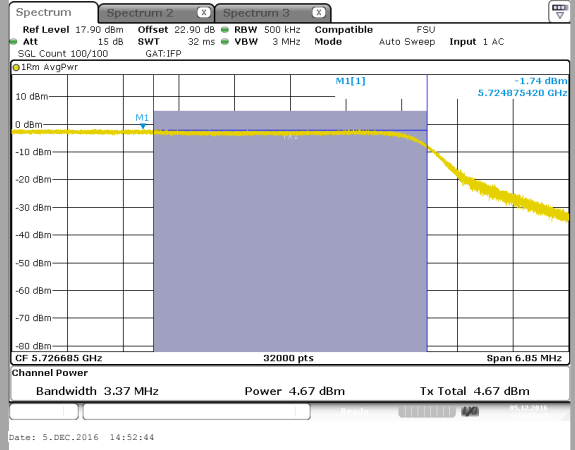
L C I E

802.111n HT40/ac VHT40  
C21 Straddle 5725MHz-5850MHz

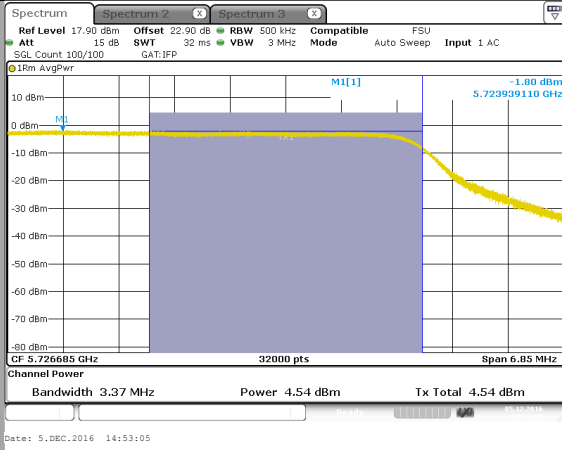
Tx1



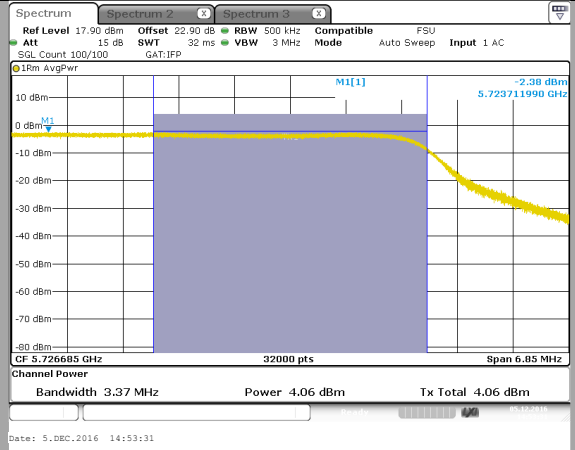
Tx2



Tx3



Tx4



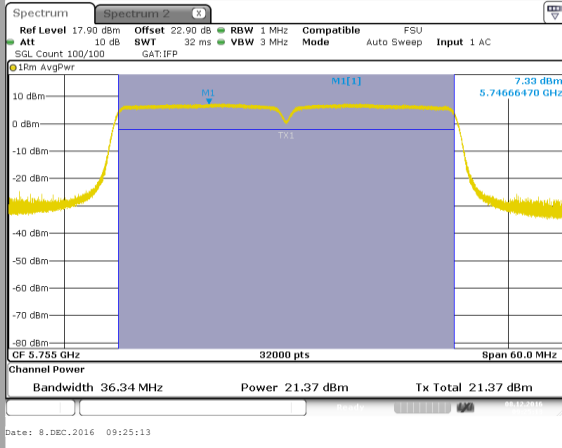


L C I E

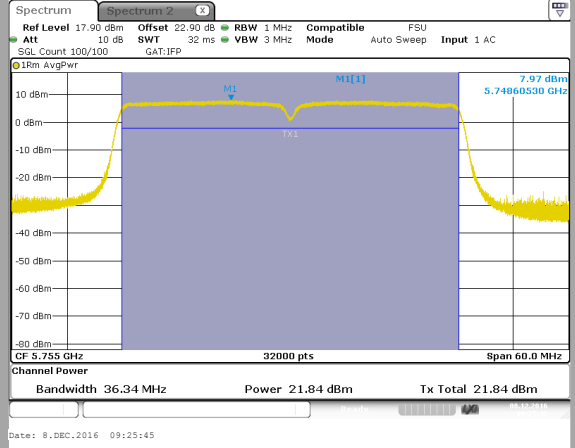
802.1111n HT40/ac VHT40

C22

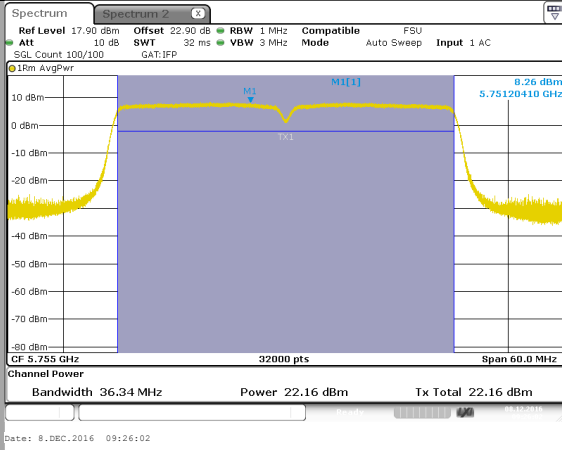
Tx1



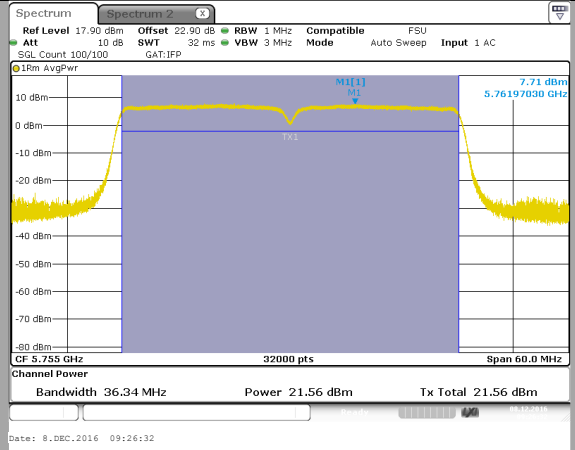
Tx2



Tx3



Tx4



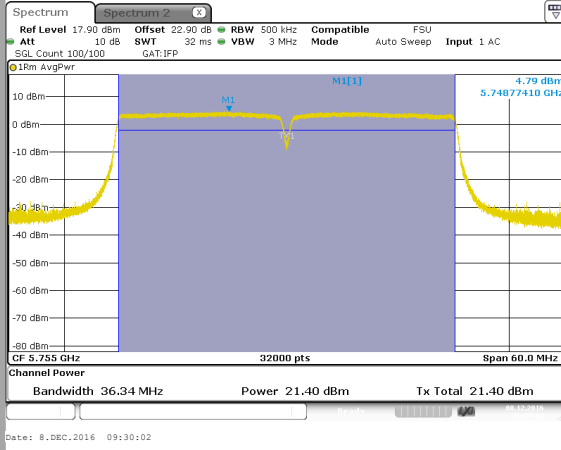


L C I E

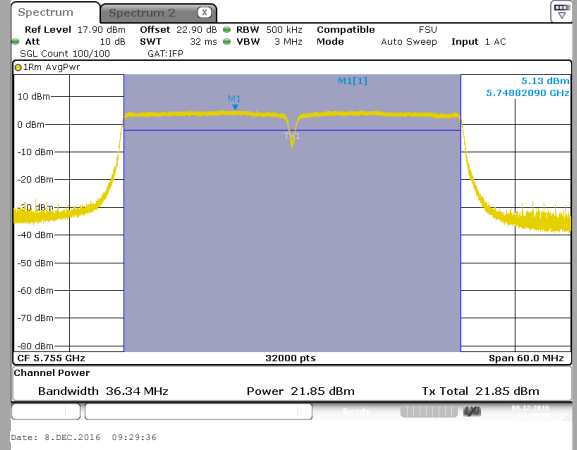
### 802.1111n HT40/ac VHT40

#### C22

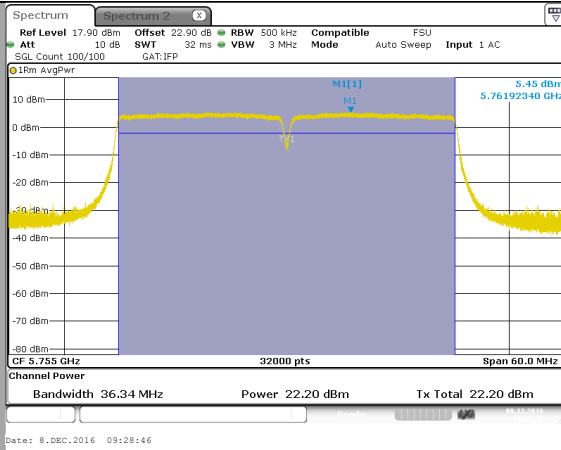
#### Tx1



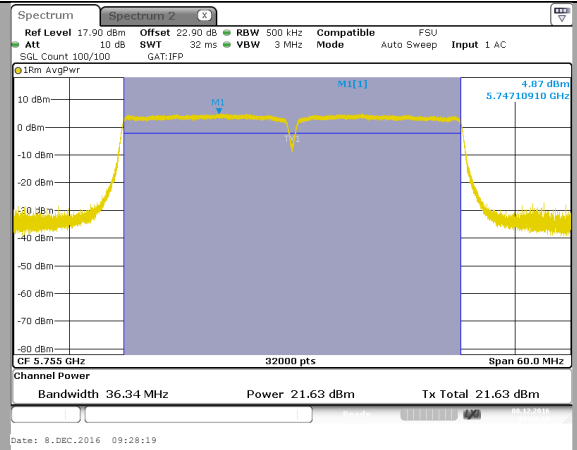
#### Tx2



#### Tx3



#### Tx4



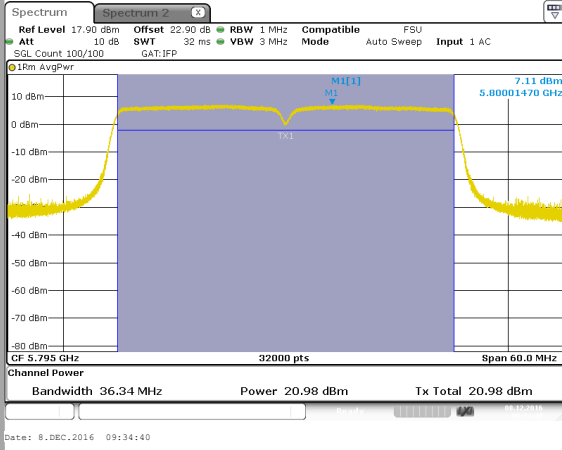


L C I E

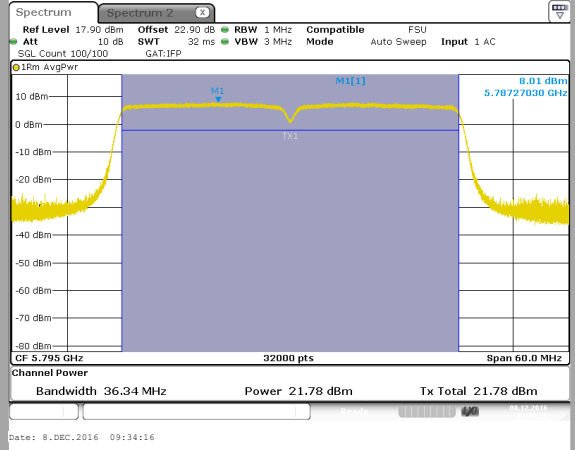
802.1111n HT40/ac VHT40

C23

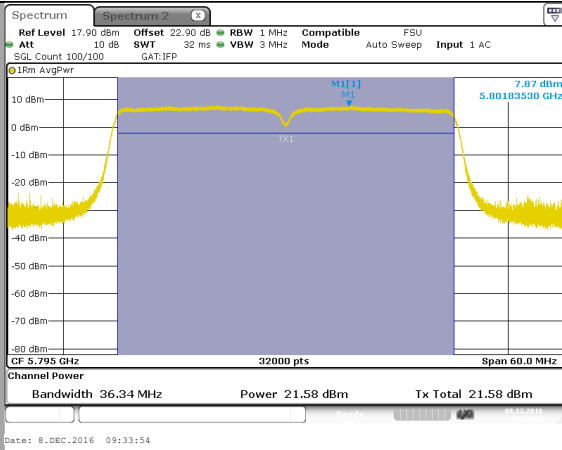
Tx1



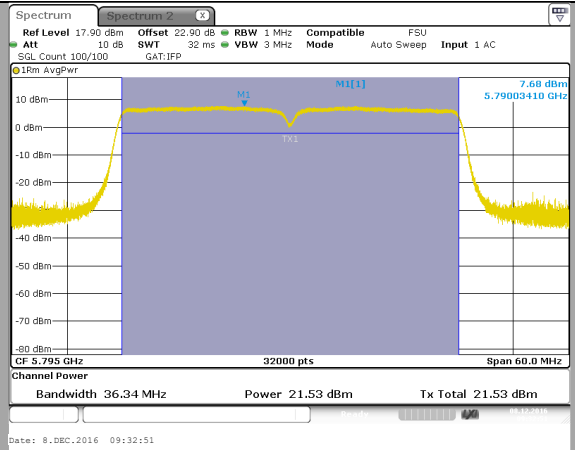
Tx2



Tx3



Tx4





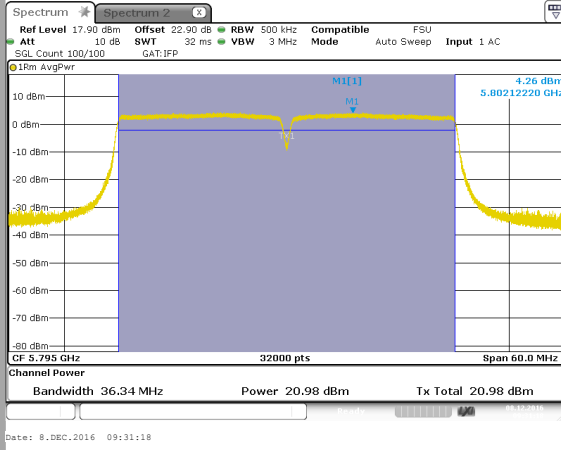


L C I E

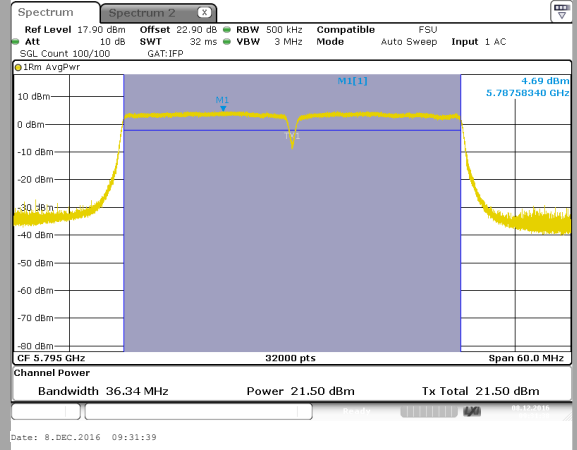
802.1111n HT40/ac VHT40

C23

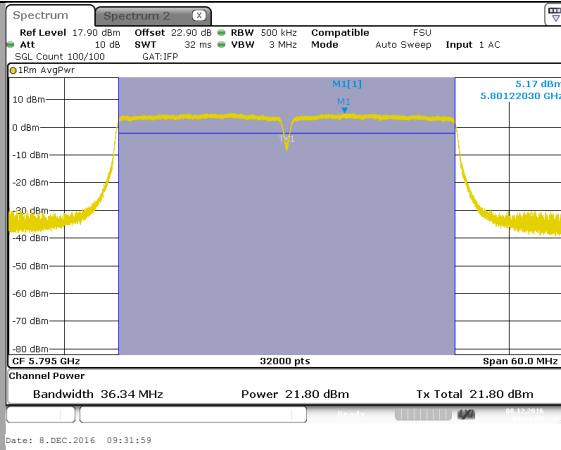
Tx1



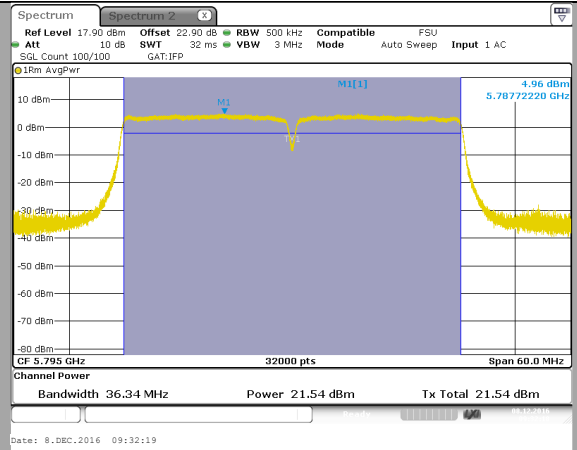
Tx2



Tx3



Tx4



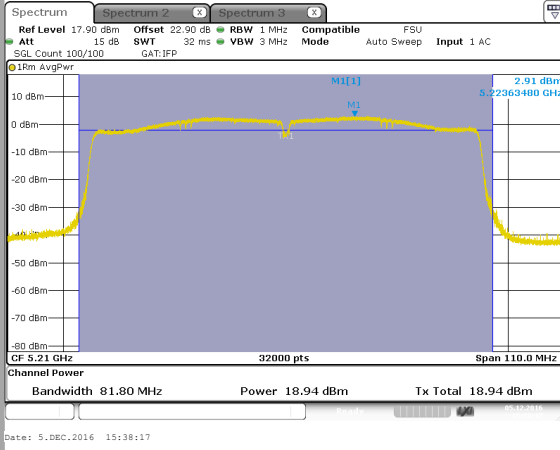


L C I E

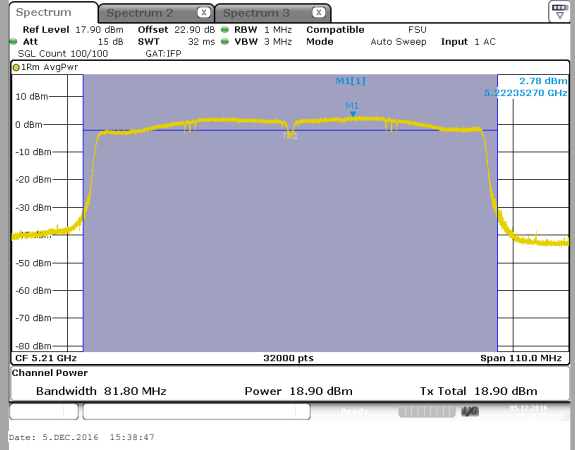
### 802.11ac VHT80

#### C24

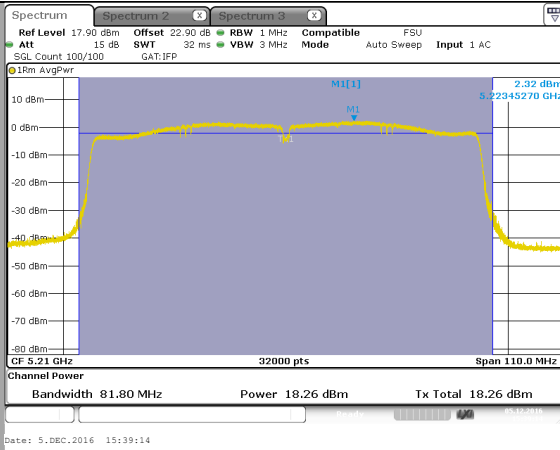
#### Tx1



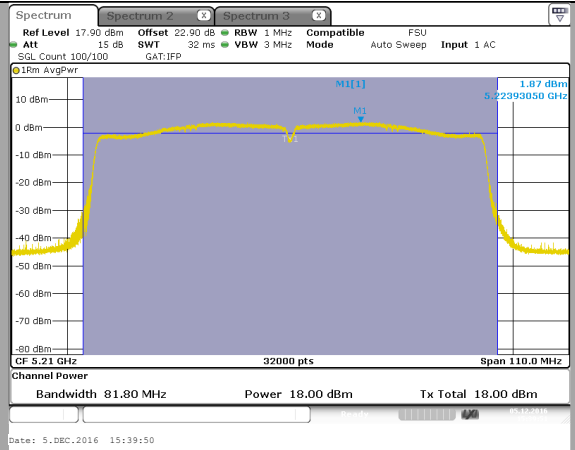
#### Tx2



#### Tx3



#### Tx4



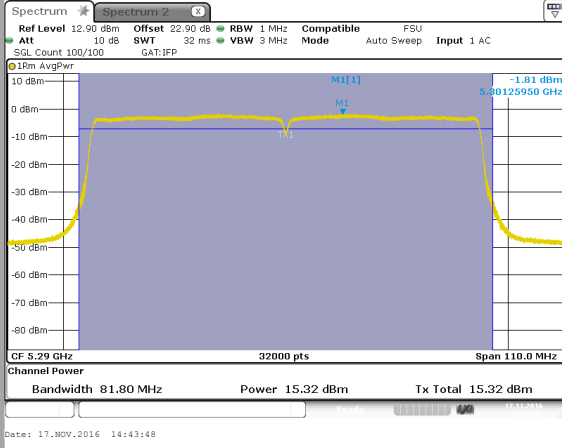


L C I E

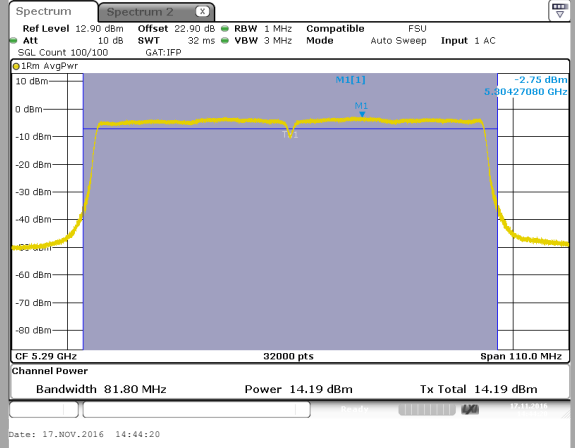
### 802.11ac VHT80

#### C25

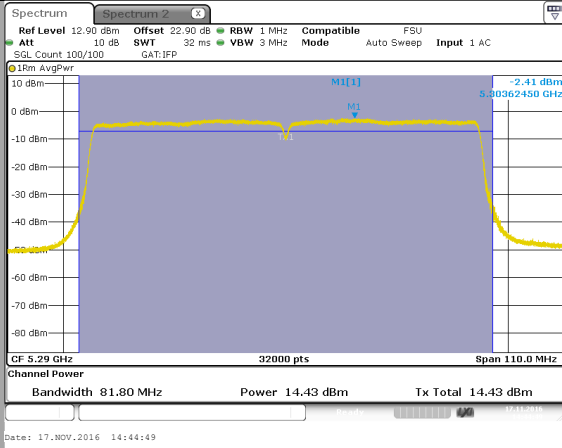
#### Tx1



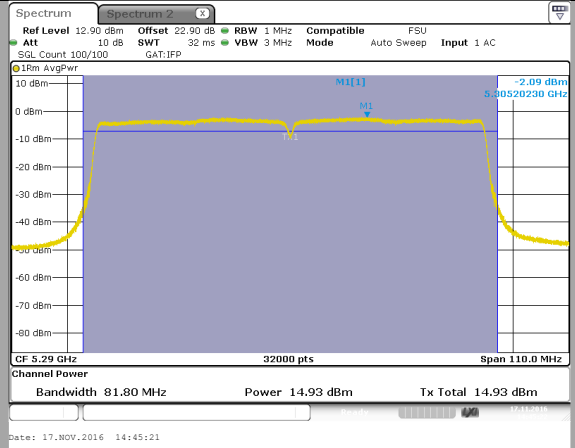
#### Tx2



#### Tx3



#### Tx4



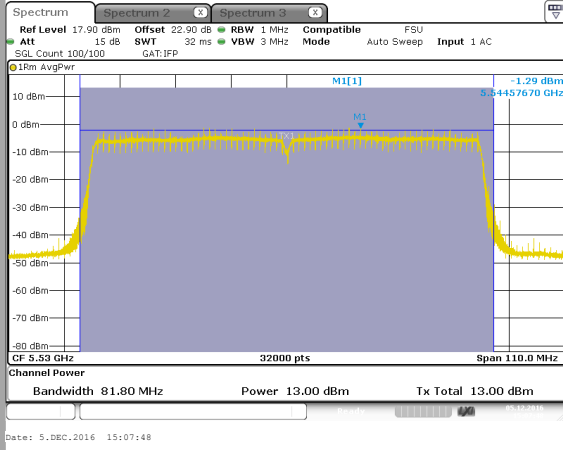


L C I E

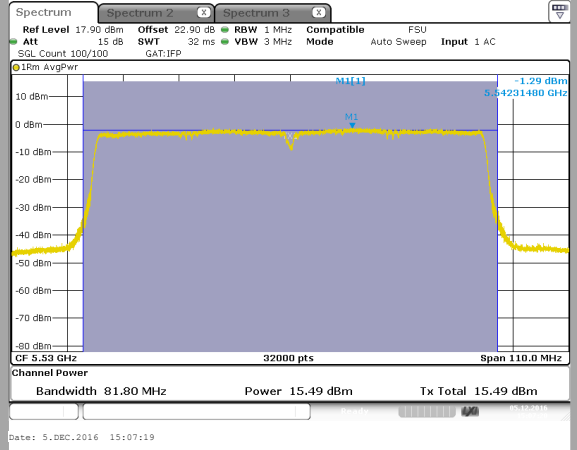
### 802.11ac VHT80

#### C26

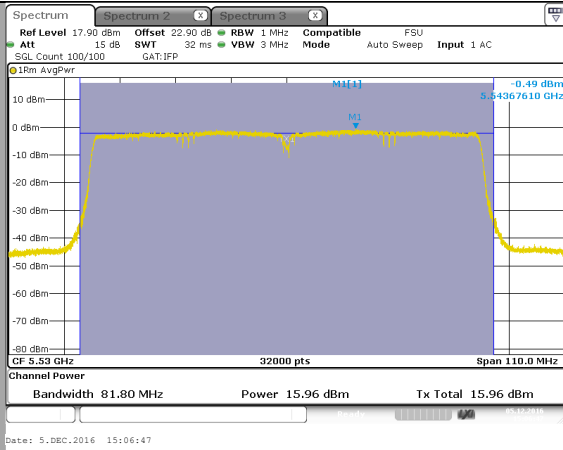
#### Tx1



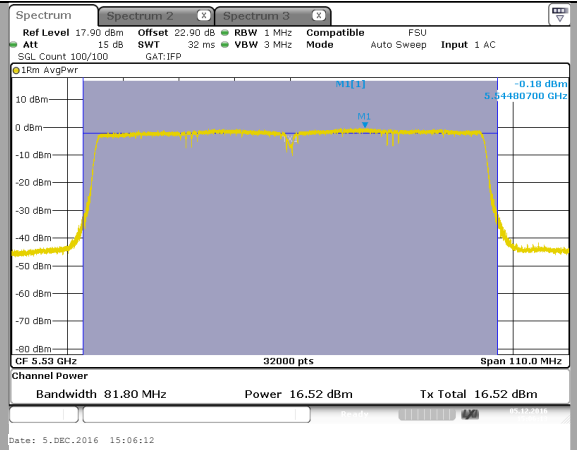
#### Tx2



#### Tx3



#### Tx4



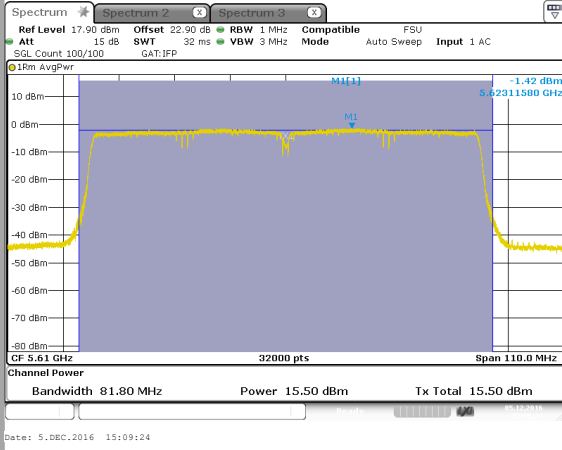


L C I E

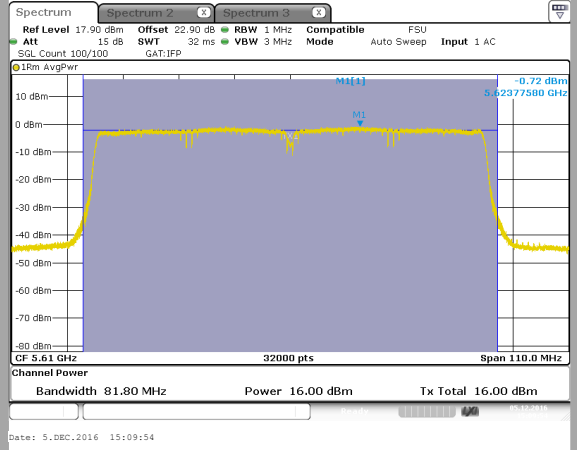
### 802.11ac VHT80

C27

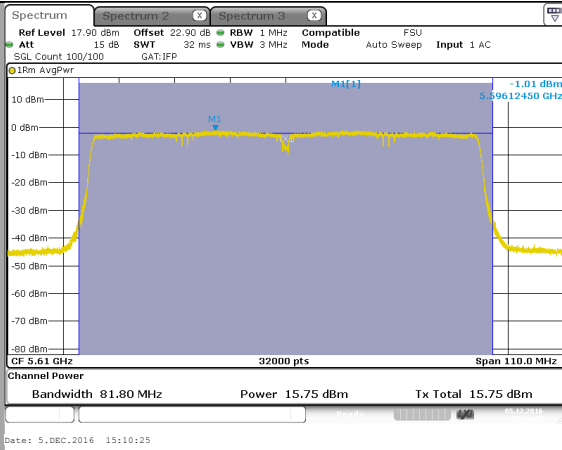
#### Tx1



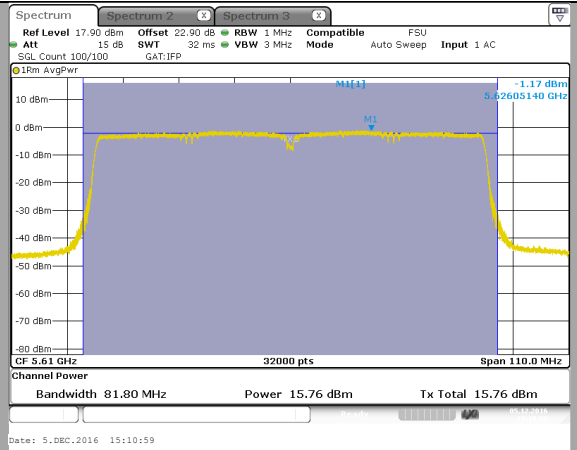
#### Tx2



#### Tx3



#### Tx4



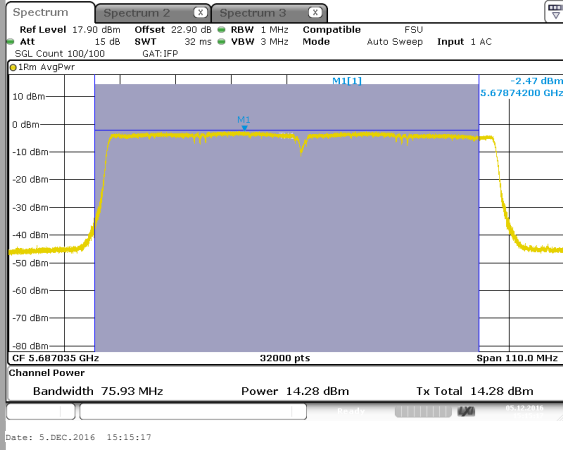


L C I E

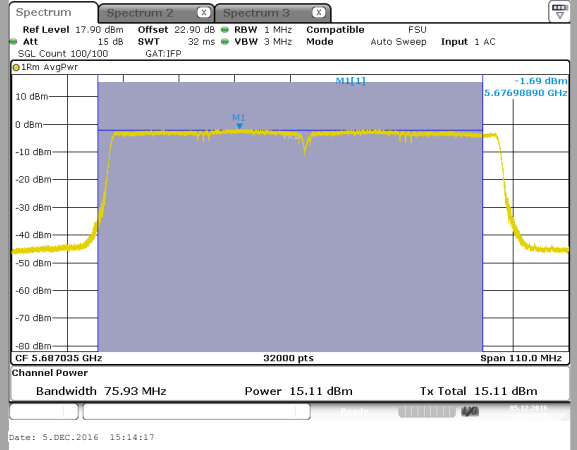
### 802.11ac VHT80

### C28 Straddle 5470MHz-5725MHz

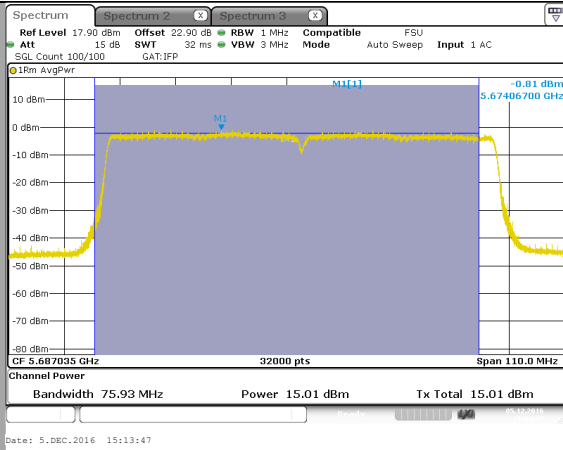
#### Tx1



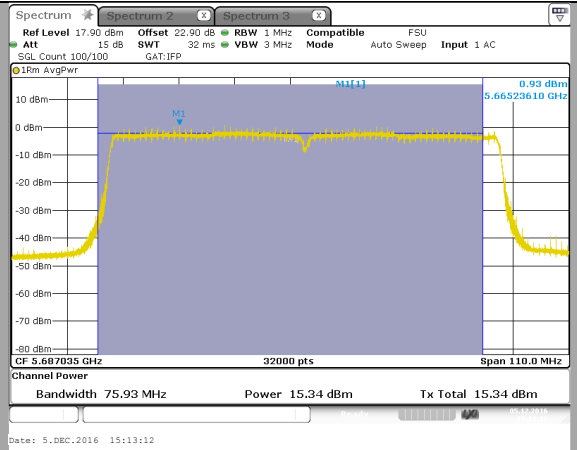
#### Tx2



#### Tx3



#### Tx4



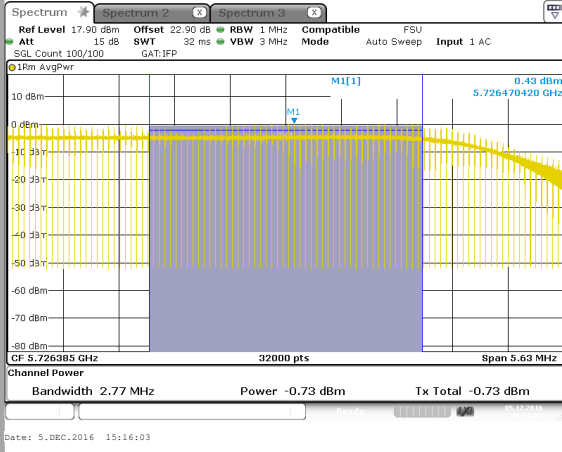


L C I E

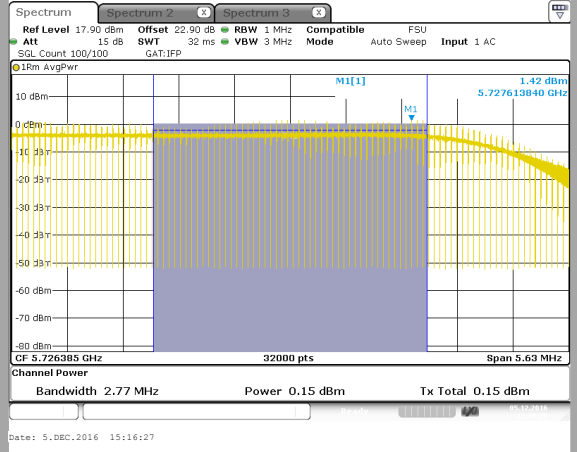
802.11ac VHT80

C28 Straddle 5725MHz-5850MHz

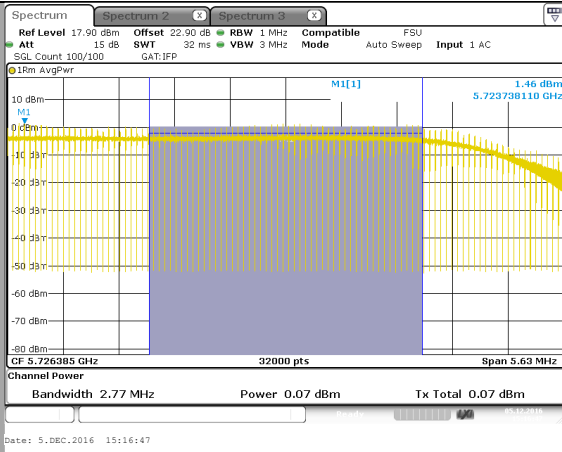
Tx1



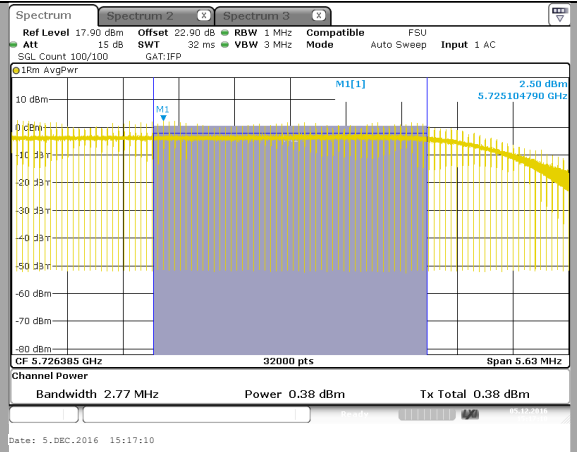
Tx2



Tx3



Tx4



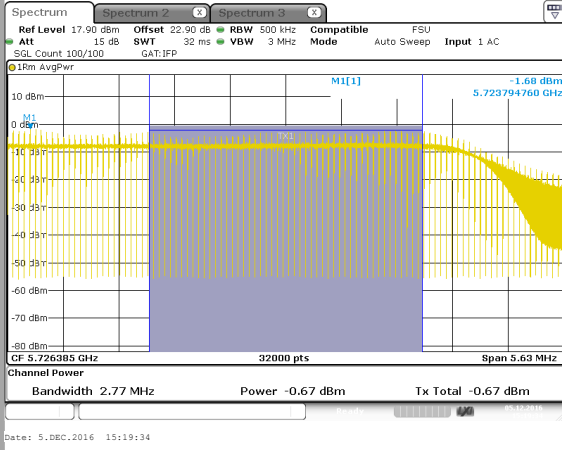


L C I E

### 802.11ac VHT80

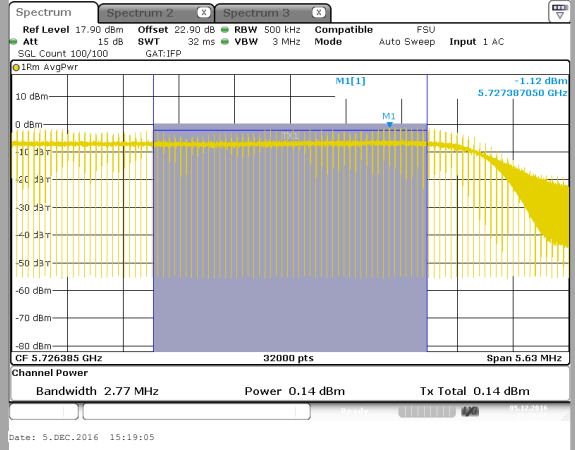
### C28 Straddle 5725MHz-5850MHz

#### Tx1



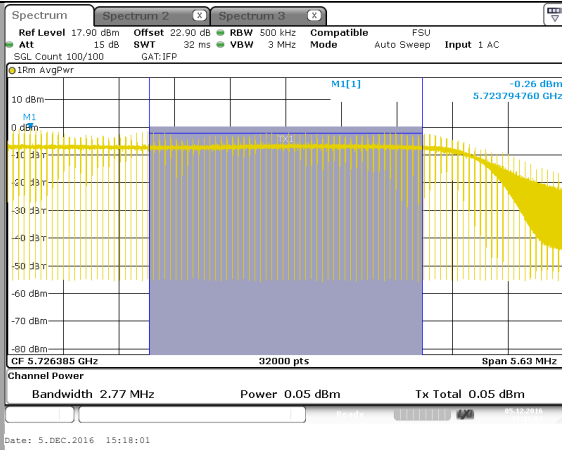
Date: 5.DEC.2016 15:19:34

#### Tx2



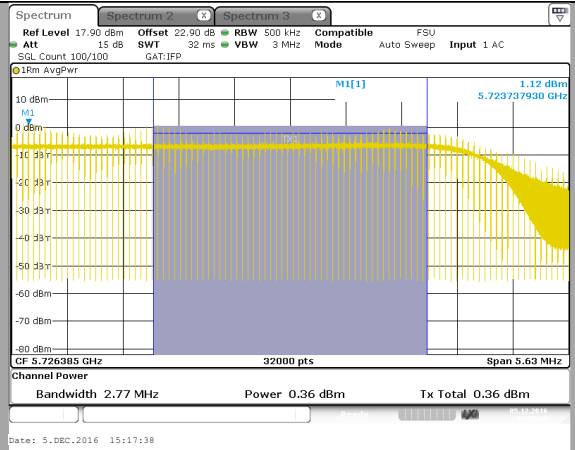
Date: 5.DEC.2016 15:19:05

#### Tx3



Date: 5.DEC.2016 15:18:01

#### Tx4



Date: 5.DEC.2016 15:17:38



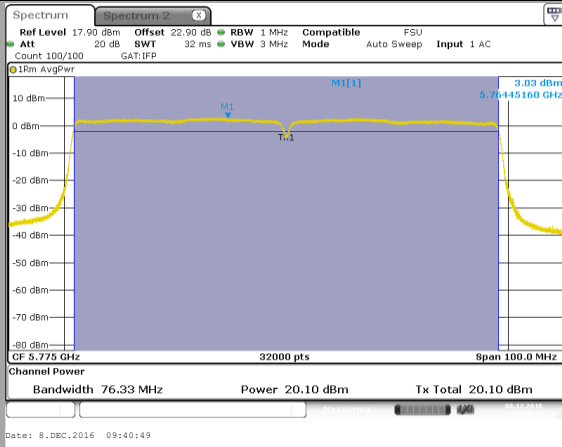


L C I E

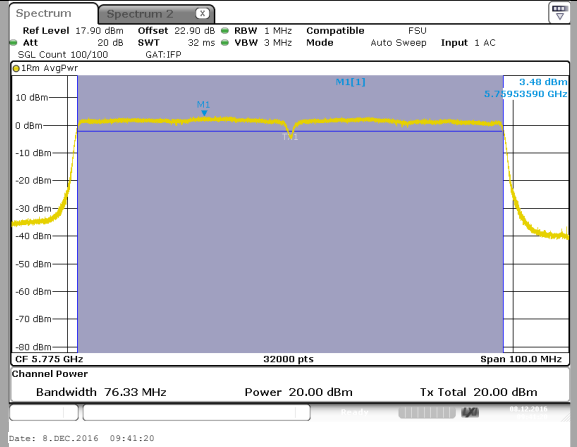
### 802.11ac VHT80

C29

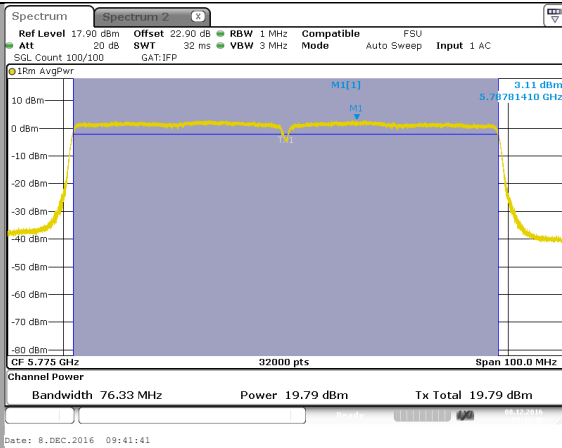
#### Tx1



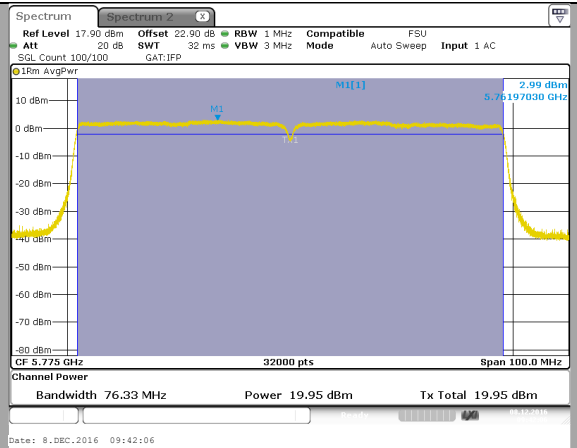
#### Tx2



#### Tx3



#### Tx4



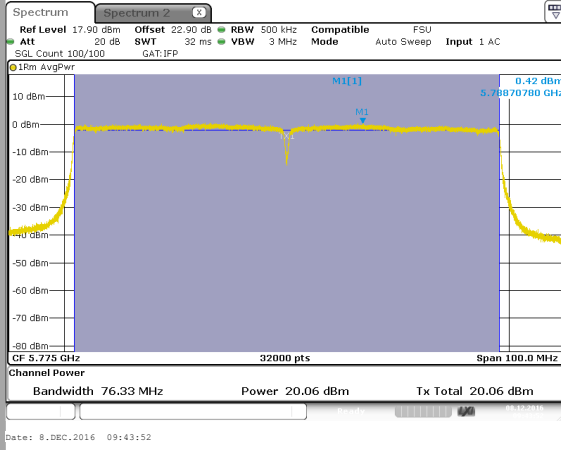


L C I E

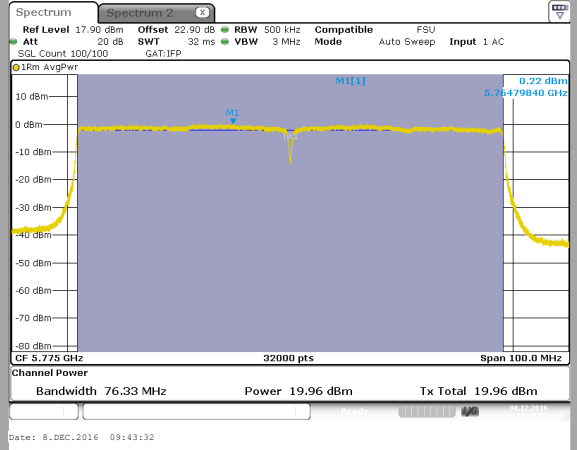
### 802.11ac VHT80

#### C29

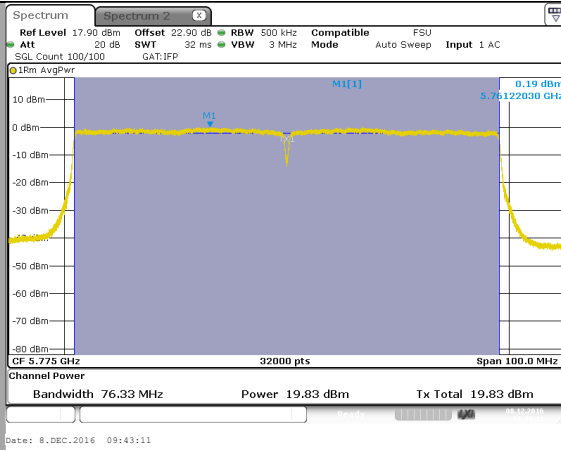
#### Tx1



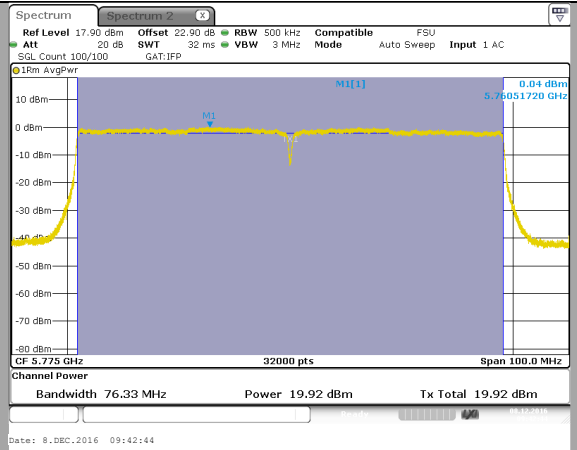
#### Tx2



#### Tx3



#### Tx4





L C I E

### 802.11a Conducted Output Power

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	Tx Limit FCC (dBm)	Tx EIRP (dBm)	TPC requirement
C1	19,02	18,53	19,08	18,77	24,9	8,0	28,0	32,9	
C2	19,34	19,24	19,28	18,68	25,2	8,0	28,0	33,2	
C3	19,56	19,16	19,46	18,96	25,3	8,0	28,0	33,3	
C4	12,69	12,5	12,13	14,05	18,9	8,0	22	26,9	TPC si EIRP>27dBm
C5	13,16	13,21	13,13	14,87	19,7	8,0	22	27,7	TPC si EIRP>27dBm
C6	13,13	13,11	12,79	14,58	19,5	8,0	22	27,5	TPC si EIRP>27dBm
C7	13,22	14,07	13,41	13,51	19,6	8,0	22	27,6	TPC si EIRP>27dBm
C8	12,24	13,39	12,81	12,8	18,8	8,0	22	26,8	TPC si EIRP>27dBm
C9	12,96	13,24	13,45	13,95	19,4	8,0	22	27,4	TPC si EIRP>27dBm
C10 Straddle 5470MHz-5725MHz	11,8	11,98	12,35	12,84	18,3	8,0	22	26,3	TPC si EIRP>27dBm
C10 Straddle 5725MHz-5850MHz	5,43	5,54	5,8	6,3	11,8	8,0	28,0	19,8	TPC si EIRP>27dBm
C11	21,31	22,24	21,51	21,52	27,7	8,0	28,0		
C12	20,72	21,76	21,43	21,47	27,4	8,0	28,0		
C13	20,48	21,54	21,02	21,43	27,2	8,0	28,0		

### 802.11a Spectral Density

Channel	Tx1 (dBm/MHz)	Tx2 (dBm/MHz)	Tx3 (dBm/MHz)	Tx4 (dBm/MHz)	TxAll (dBm/MHz)	AG (dBi)	Tx Limit FCC (dBm/MHz)
C1	8,37	8,02	8,39	8,02	14,2	8,0	15,0
C2	8,6	8,53	8,64	8	14,5	8,0	15,0
C3	8,85	8,63	8,89	8,31	14,7	8,0	15,0
C4	1,81	1,86	1,39	3,39	8,2	8,0	9
C5	2,39	2,49	2,39	4,23	8,97	8,0	9
C6	2,49	2,32	2,04	3,87	8,8	8,0	9
C7	2,48	3,51	2,91	2,83	8,97	8,0	9
C8	1,41	2,88	2,34	2,26	8,3	8,0	9
C9	2,31	2,64	2,9	3,33	8,8	8,0	9
C10 Straddle 5470MHz-5725MHz	2,04	2,32	2,57	3,21	8,6	8,0	9
C10 Straddle 5725MHz-5850MHz	-0,89	-0,92	-0,58	0,21	5,5	8,0	28 (/500kHz)
C11	8,03	8,9	8,26	8,4	14,4	8,0	28 (/500kHz)
C12	7,28	8,47	8,31	8,28	14,1	8,0	28 (/500kHz)
C13	6,88	8,06	7,82	8,05	13,7	8,0	28 (/500kHz)



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### 802.11n HT20/ac VHT20 Conducted Output Power

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	Tx Limit FCC (dBm)	Tx EIRP (dBm)	EIRP Limit FCC (dBm)
C1	19,2	18,8	19,22	18,38	24,9	8,0	28,0	32,9	
C2	19,45	19	19,4	18,81	25,2	8,0	28,0	33,2	
C3	19,1	18,77	19,2	18,61	24,9	8,0	28,0	32,9	
C4	12,94	12,97	12,79	15,06	19,6	8,0	22	27,6	TPC si EIRP>27dBm
C5	13,04	13,14	12,87	14,05	19,3	8,0	22	27,3	TPC si EIRP>27dBm
C6	13,15	13,21	12,96	14,03	19,4	8,0	22	27,4	TPC si EIRP>27dBm
C7	12,7	13,59	13,1	12,91	19,1	8,0	22	27,1	TPC si EIRP>27dBm
C8	12,86	13,69	13,41	13,33	19,4	8,0	22	27,4	TPC si EIRP>27dBm
C9	12,76	12,94	13,22	13,57	19,2	8,0	22	27,2	TPC si EIRP>27dBm
C10 Straddle 5470MHz-5725MHz	12,25	12,66	12,97	13,13	18,8	8,0	22	26,8	TPC si EIRP>27dBm
C10 Straddle 5725MHz-5850MHz	6,31	6,68	6,97	7,1	12,8	8,0	28,0	20,8	TPC si EIRP>27dBm
C11	21,39	22,24	21,82	21,72	27,8	8,0	28,0		
C12	21	21,96	21,62	21,7	27,6	8,0	28,0		
C13	20,97	21,99	21,49	21,81	27,6	8,0	28,0		

### 802.11n HT20/ac VHT20 Spectral Density

Channel	Tx1 (dBm/MHz)	Tx2 (dBm/MHz)	Tx3 (dBm/MHz)	Tx4 (dBm/MHz)	TxAll (dBm/MHz)	AG (dBi)	Tx Limit FCC (dBm/MHz)
C1	8,16	7,92	8,34	7,42	14,0	8,0	15,0
C2	8,57	8,15	8,45	7,99	14,3	8,0	15,0
C3	8,12	8,05	8,23	7,65	14,0	8,0	15,0
C4	2,3	2,07	2,09	4,45	8,9	8,0	9
C5	2,11	2,38	1,87	3,16	8,4	8,0	9
C6	2,12	2,34	2,02	3,13	8,4	8,0	9
C7	1,73	2,63	2,32	1,92	8,2	8,0	9
C8	1,88	2,81	2,43	2,51	8,4	8,0	9
C9	1,76	1,95	2,14	2,58	8,1	8,0	9
C10 Straddle 5470MHz-5725MHz	2,3	2,84	3,06	3,25	8,9	8,0	9
C10 Straddle 5725MHz-5850MHz	-0,12	-0,05	0,17	0,19	6,1	8,0	28 (/500kHz)
C11	7,52	8,5	8,25	8,16	14,1	8,0	28 (/500kHz)
C12	7,14	8,4	8,03	8,15	14,0	8,0	28 (/500kHz)
C13	7,23	8,29	7,87	8,14	13,9	8,0	28 (/500kHz)



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### 802.11n HT40/ac VHT40 Conducted Output Power

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	Tx Limit FCC (dBm)	Tx EIRP (dBm)	EIRP Limit FCC (dBm)
C14	15,35	16,71	16,36	16,45	22,3	8,0	28,0	30,3	
C15	20,37	21,52	21,16	21,39	27,2	8,0	28,0	35,2	
C16	15,06	16,37	16,12	16,27	22,0	8,0	22	30,0	TPC si EIRP>27dBm
C17	15,67	14,88	15,13	15,22	21,3	8,0	22	29,3	TPC si EIRP>27dBm
C18	14,63	14,95	14,83	15,45	21,0	8,0	22	29,0	TPC si EIRP>27dBm
C19	14,68	15,24	15,24	15,83	21,3	8,0	22	29,3	TPC si EIRP>27dBm
C20	14,25	14,71	14,54	14,74	20,6	8,0	22	28,6	TPC si EIRP>27dBm
C21 Straddle 5470MHz-5725MHz	14,99	15,44	15,3	14,73	21,1	8,0	22	29,1	TPC si EIRP>27dBm
C21 Straddle 5725MHz-5850MHz	4,14	4,57	4,46	4	10,3	8,0	28,0	18,3	TPC si EIRP>27dBm
C22	21,37	21,84	22,16	21,56	27,8	8,0	28,0		
C23	20,98	21,78	21,58	21,53	27,5	8,0	28,0		

### 802.11n HT40/ac VHT40 Spectral Density

Channel	Tx1 (dBm/MHz)	Tx2 (dBm/MHz)	Tx3 (dBm/MHz)	Tx4 (dBm/MHz)	TxAll (dBm/MHz)	AG (dBi)	Tx Limit FCC (dBm/MHz)
C14	1,63	2,75	2,63	2,39	8,4	8,0	15,0
C15	6,52	7,59	7,31	7,38	13,2	8,0	15,0
C16	1,11	2,69	2,27	2,24	8,1	8,0	9
C17	1,73	0,98	1,25	1,3	7,3	8,0	9
C18	0,76	1,08	1,04	1,71	7,2	8,0	9
C19	0,71	1,51	1,27	1,9	7,4	8,0	9
C20	0,28	0,77	0,71	0,75	6,7	8,0	9
C21 Straddle 5470MHz-5725MHz	1,47	1,97	1,73	1,33	7,7	8,0	9
C21 Straddle 5725MHz-5850MHz	-2,17	-1,74	-1,8	-2,38	4,0	8,0	28 (/500kHz)
C22	4,79	5,13	5,45	4,87	11,1	8,0	28 (/500kHz)
C23	4,26	4,69	5,17	4,96	10,8	8,0	28 (/500kHz)

### 802.11ac VHT80 Conducted Output Power

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	Tx Limit FCC (dBm)	Tx EIRP (dBm)	EIRP Limit FCC (dBm)
C24	18,94	18,9	18,26	18	24,6	8,0	28,0	32,6	
C25	15,32	14,19	14,43	14,93	20,8	8,0	22	28,8	TPC si EIRP>27dBm
C26	13	15,49	15,96	16,52	21,5	8,0	22	29,5	TPC si EIRP>27dBm
C27	15,5	16	15,75	15,76	21,8	8,0	22	29,8	TPC si EIRP>27dBm
C28 Straddle 5470MHz-5725MHz	14,28	15,11	15,01	15,34	21,0	8,0	22	29,0	TPC si EIRP>27dBm
C28 Straddle 5725MHz-5850MHz	-0,73	0,15	0,07	0,38	6,0	8,0	28,0	14,0	
C29	20,1	20	19,79	19,95	26,0	8,0	28,0	34,0	

### 802.11ac VHT80 Spectral Density

Channel	Tx1 (dBm/MHz)	Tx2 (dBm/MHz)	Tx3 (dBm/MHz)	Tx4 (dBm/MHz)	TxAll (dBm/MHz)	AG (dBi)	Tx Limit FCC (dBm/MHz)
C24	2,91	2,78	2,32	1,87	8,5	8,0	15,0
C25	-1,81	-2,75	-2,41	-2,09	3,8	8,0	9
C26	-1,29	-1,29	-0,49	-0,18	5,2	8,0	9
C27	-1,42	-0,72	-1,01	-1,17	4,9	8,0	9
C28 Straddle 5470MHz-5725MHz	-2,47	-1,69	-0,81	0,93	5,2	8,0	9
C28 Straddle 5725MHz-5850MHz	-1,68	-1,12	-0,26	1,12	5,7	8,0	28 (/500kHz)
C29	0,42	0,22	0,19	0,04	6,2	8,0	28 (/500kHz)