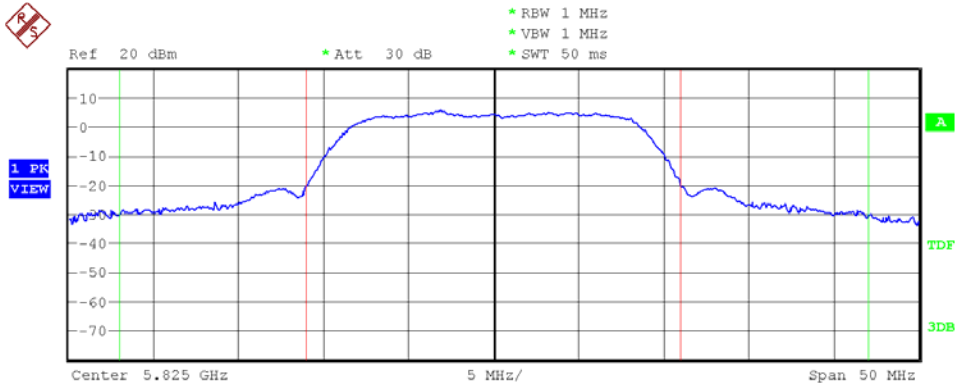


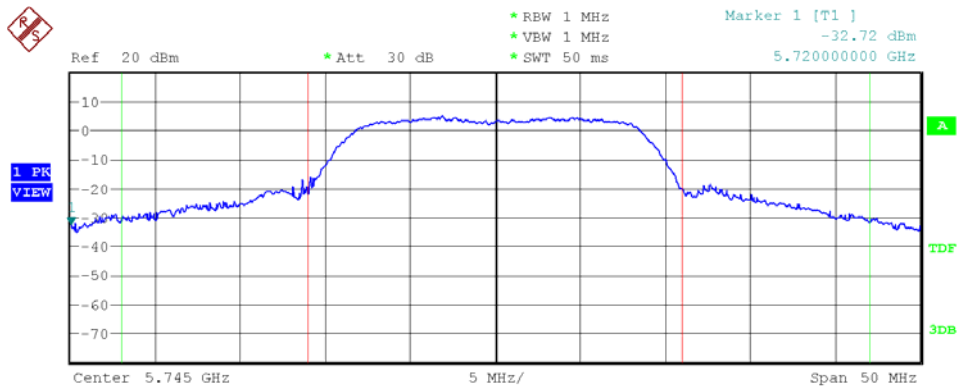


Modulation Standard: 802.11a (6Mbps), Ant R  
Channel: 165



<b>Tx Channel</b>	Bandwidth	22 MHz	Power	15.22 dBm
<b>Adjacent Channel</b>	Bandwidth	11 MHz	Lower	-31.36 dB
	Spacing	16.5 MHz	Upper	-31.28 dB
<b>Alternate Channel</b>	Bandwidth	11 MHz	Lower	-----
	Spacing	27.5 MHz	Upper	-----

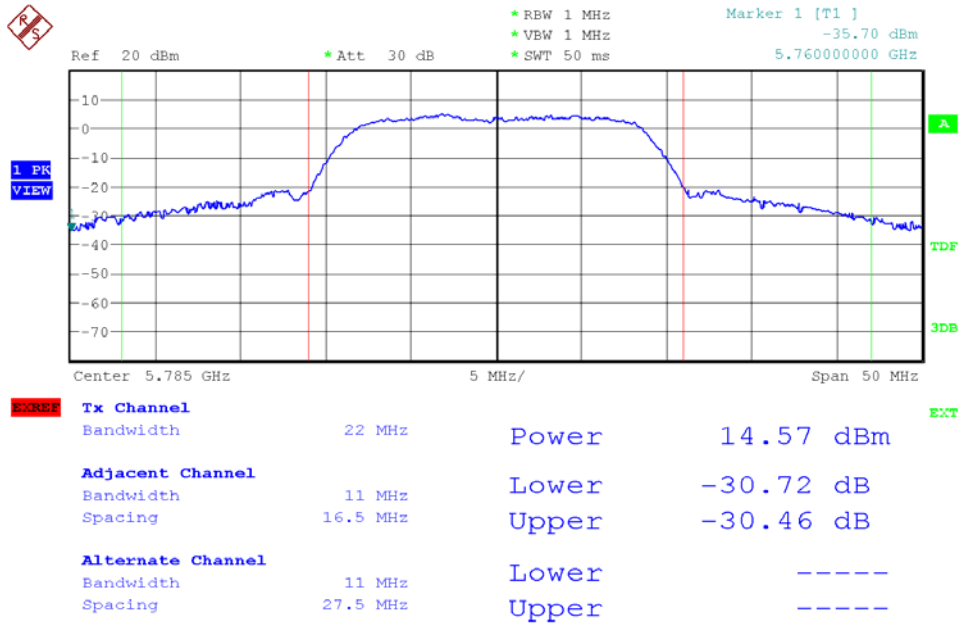
Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 149



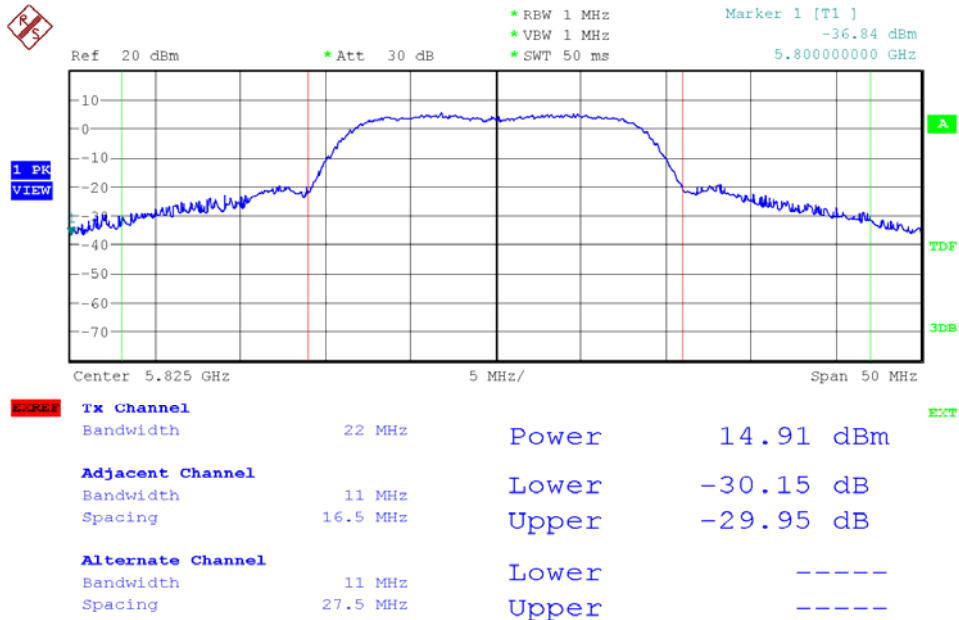
<b>Tx Channel</b>	Bandwidth	22 MHz	Power	14.60 dBm
<b>Adjacent Channel</b>	Bandwidth	11 MHz	Lower	-29.81 dB
	Spacing	16.5 MHz	Upper	-29.34 dB
<b>Alternate Channel</b>	Bandwidth	11 MHz	Lower	-----
	Spacing	27.5 MHz	Upper	-----



Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 157

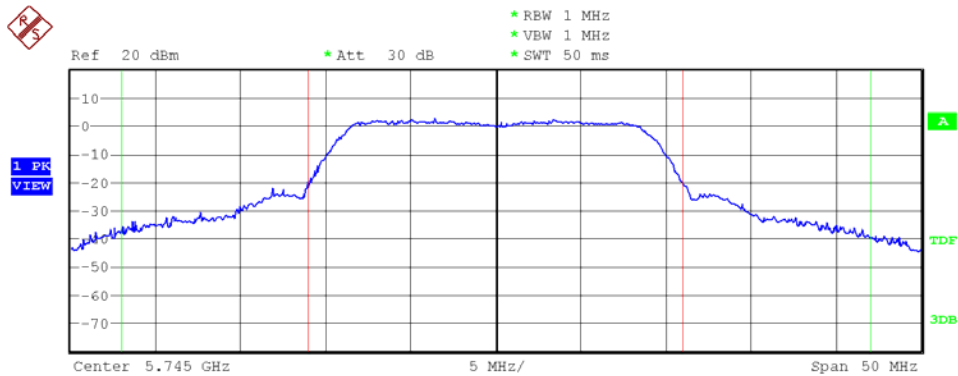


Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 165



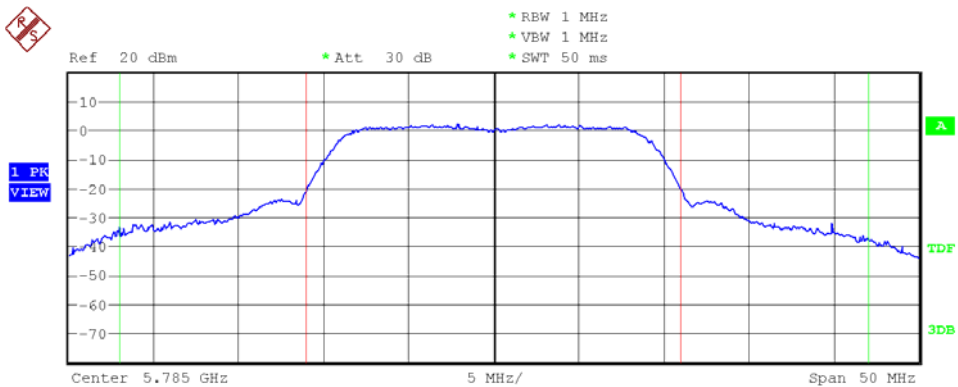


Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 149



Channel Type	Bandwidth	Power	Lower	Upper
<b>Tx Channel</b>	22 MHz	12.50 dBm		
<b>Adjacent Channel</b>	11 MHz		-31.76 dB	
	Spacing			-32.24 dB
<b>Alternate Channel</b>	11 MHz		-----	
	Spacing			-----

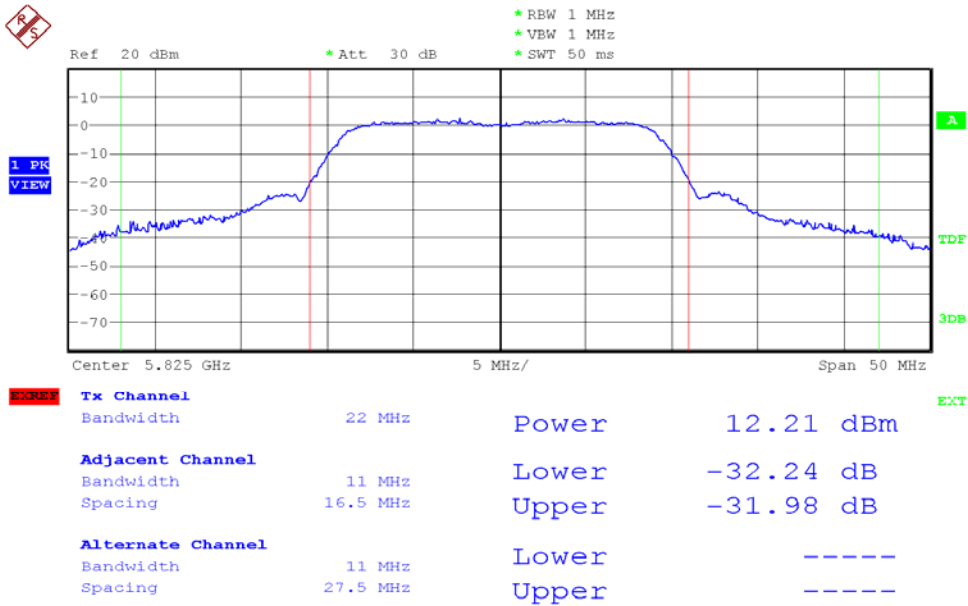
Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 157



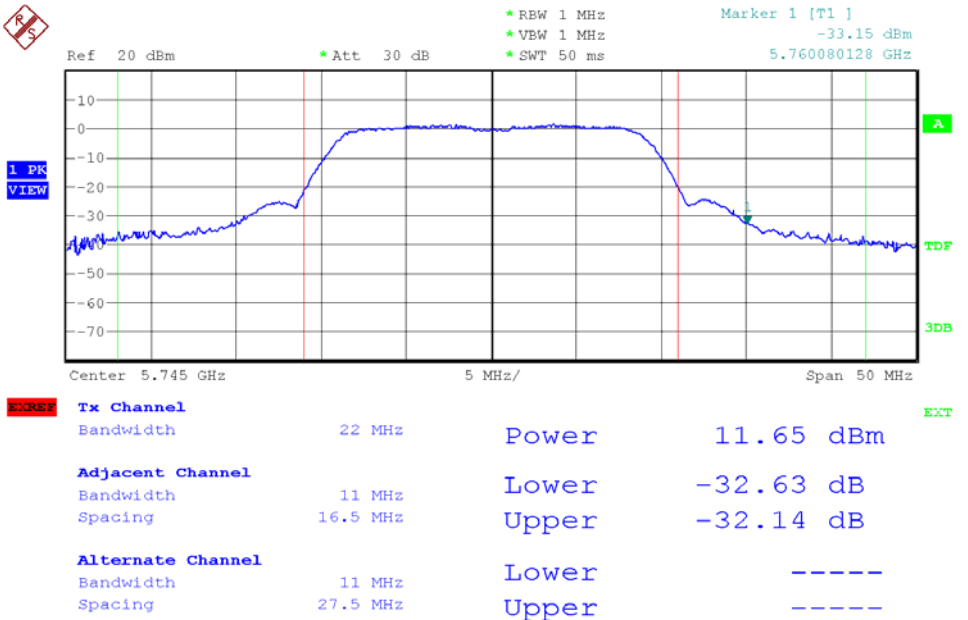
Channel Type	Bandwidth	Power	Lower	Upper
<b>Tx Channel</b>	22 MHz	12.30 dBm		
<b>Adjacent Channel</b>	11 MHz		-31.37 dB	
	Spacing			-32.02 dB
<b>Alternate Channel</b>	11 MHz		-----	
	Spacing			-----



Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 165

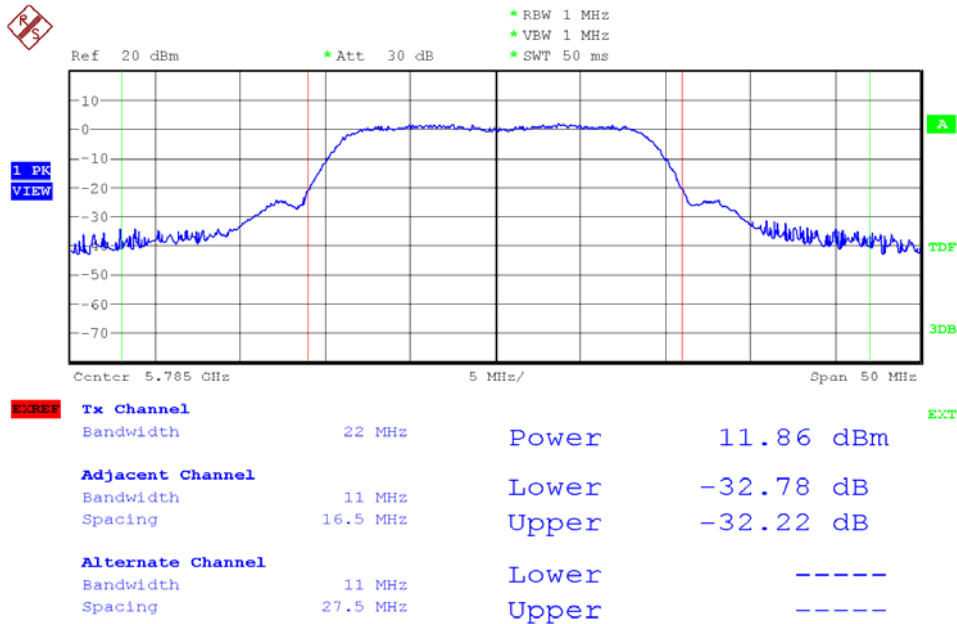


Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 149

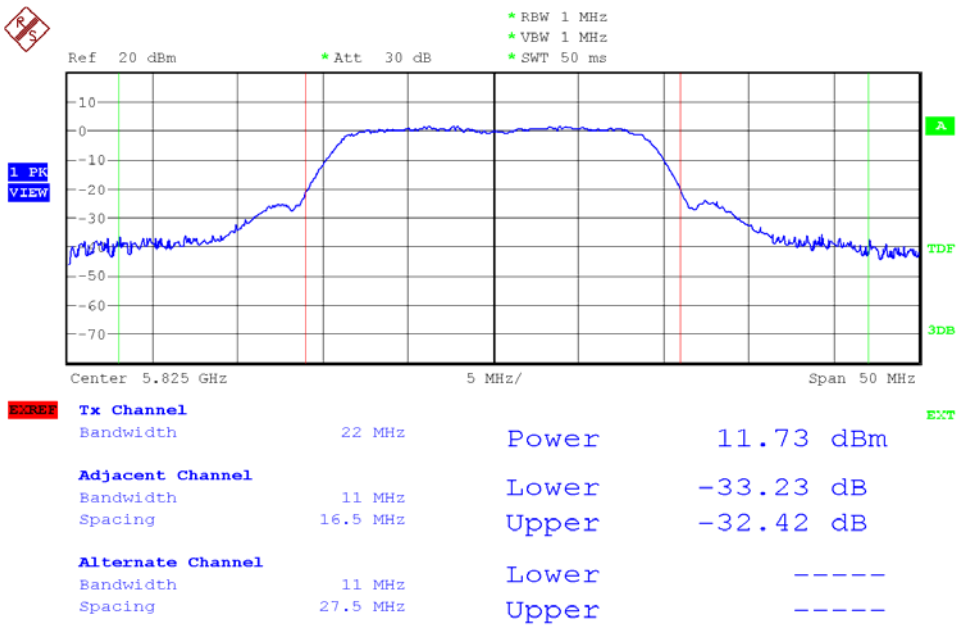




Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 157

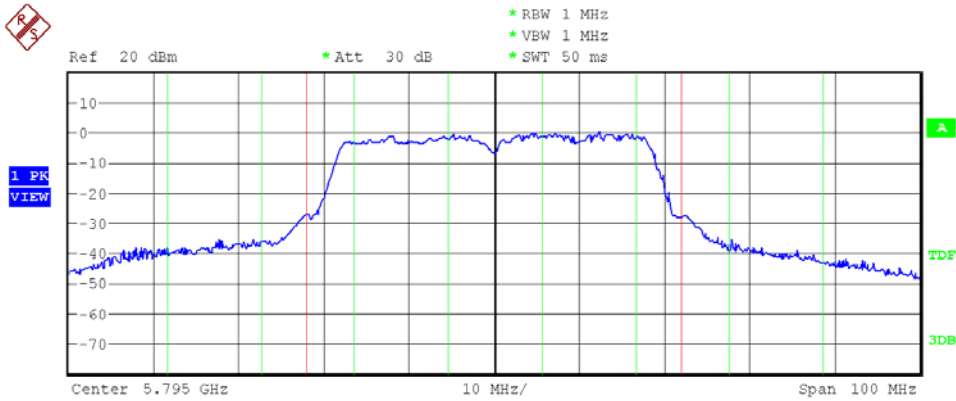


Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 165



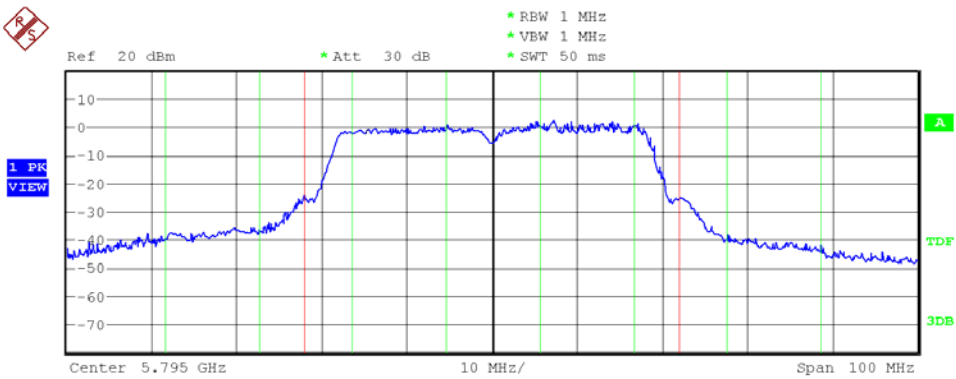


Modulation Standard: 802.11an HT40 (270Mbps), Ant R  
Channel: 159



Channel Type	Bandwidth	Power	Lower	Upper
<b>Tx Channel</b>	44 MHz	12.43 dBm		
<b>Adjacent Channel</b>	Bandwidth		-5.31 dB	
	Spacing		-3.85 dB	
<b>Alternate Channel</b>	Bandwidth		-14.40 dB	
	Spacing		-12.25 dB	

Modulation Standard: 802.11an HT40 (270Mbps), Ant L  
Channel: 159



Channel Type	Bandwidth	Power	Lower	Upper
<b>Tx Channel</b>	44 MHz	13.71 dBm		
<b>Adjacent Channel</b>	Bandwidth		-5.13 dB	
	Spacing		-3.83 dB	
<b>Alternate Channel</b>	Bandwidth		-14.22 dB	
	Spacing		-12.39 dB	



## 8. Power Spectral Density

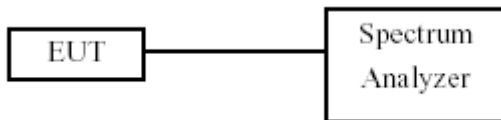
### 8.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

### 8.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=span/3KHz.
- c. The power spectral density was measured and recorded.
- d. The Sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

### 8.3 Test Setup Layout



### 8.4 Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20



## 8.5 Test Result and Data

Test Date: Mar. 06, 2009

Temperature: 25°C

Atmospheric pressure: 1025 hPa

Humidity: 49%

Modulation Standard	Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)		
			Ant R	Ant L	Ant R+L
802.11b (11Mbps)	01	2412	-4.88	-6.13	
	06	2437	-5.23	-6.89	
	11	2462	-6.80	-5.55	
802.11g (54Mbps)	01	2412	-11.23	-15.93	
	06	2437	-10.69	-16.96	
	11	2462	-15.45	-14.70	
			Ant R	Ant L	Ant R+L
802.11n HT20 (130Mbps)	01	2412	-14.81	-22.26	-14.09
	06	2437	-19.29	-21.36	-17.19
	11	2462	-17.07	-21.94	-15.85
802.11n HT40 (270Mbps)	03	2422	-24.67	-24.07	-21.35
	06	2437	-28.42	-30.14	-26.19
	09	2452	-30.22	-31.26	-27.70

Test Date: Mar. 13, 2009

Temperature: 25°C

Atmospheric pressure: 1025 hPa

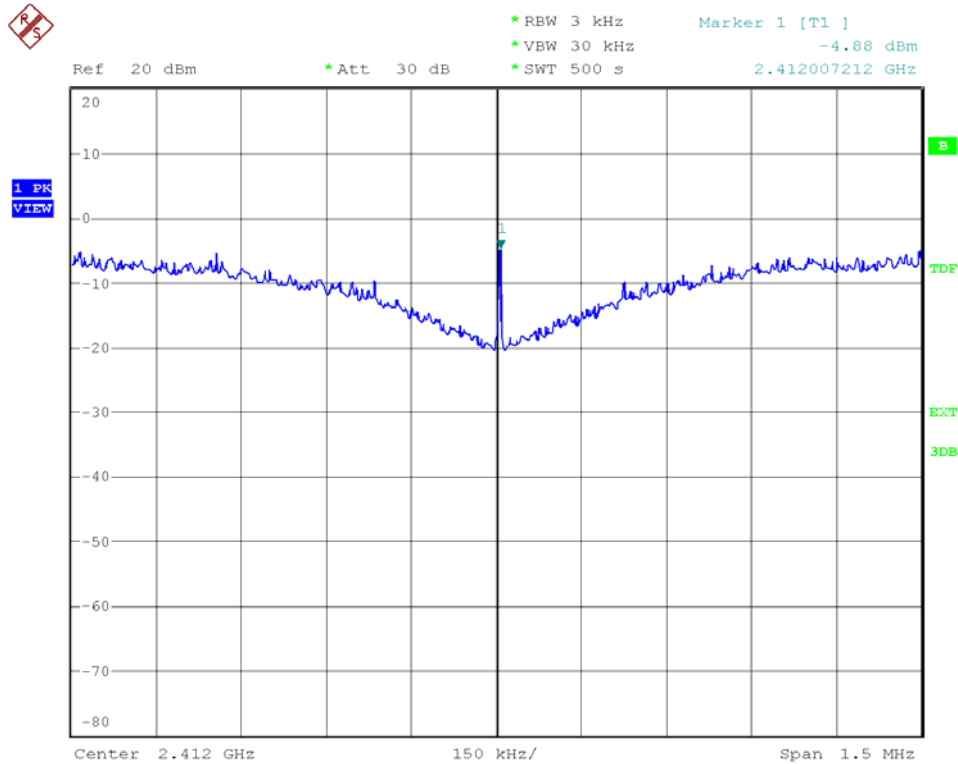
Humidity: 49%

Modulation Standard	Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)		
			Ant R	Ant L	Ant R+L
802.11a (6Mbps)	149	5745	-19.04	-17.70	
	157	5785	-18.52	-17.02	
	165	5825	-17.87	-17.36	
			Ant R	Ant L	Ant R+L
802.11an HT20 (130Mbps)	149	5745	-21.73	-21.99	-18.85
	157	5785	-22.20	-21.13	-18.62
	165	5825	-21.60	-19.63	-17.49
802.11an HT40 (270Mbps)	159	5795	-25.84	-25.50	-22.66

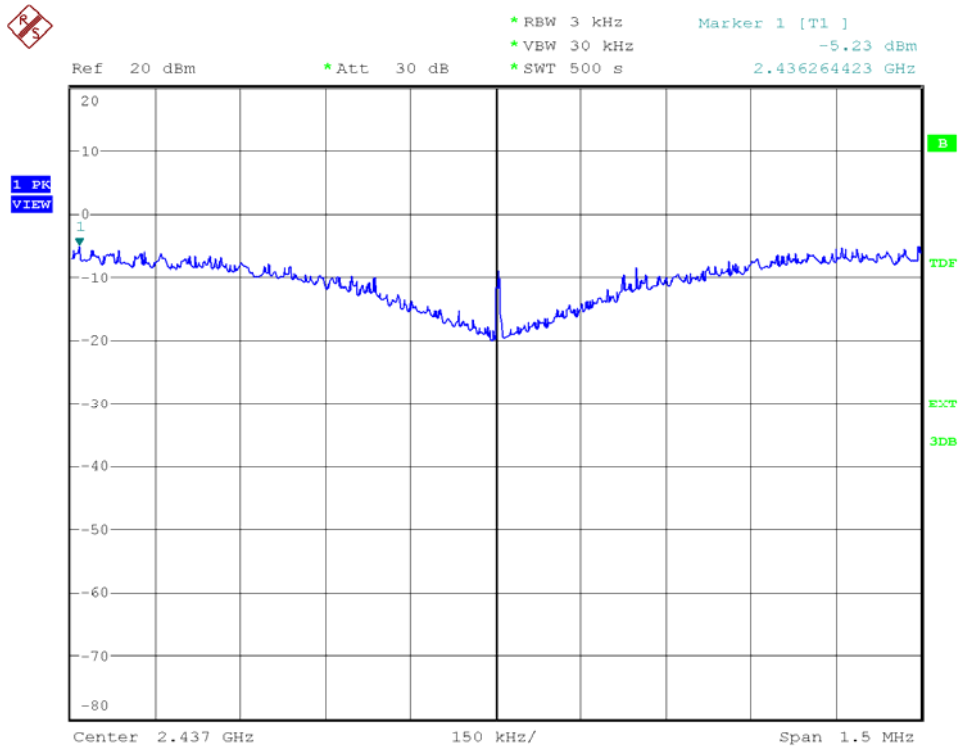




Modulation Standard: 802.11b (11Mbps), Ant R  
Channel: 01

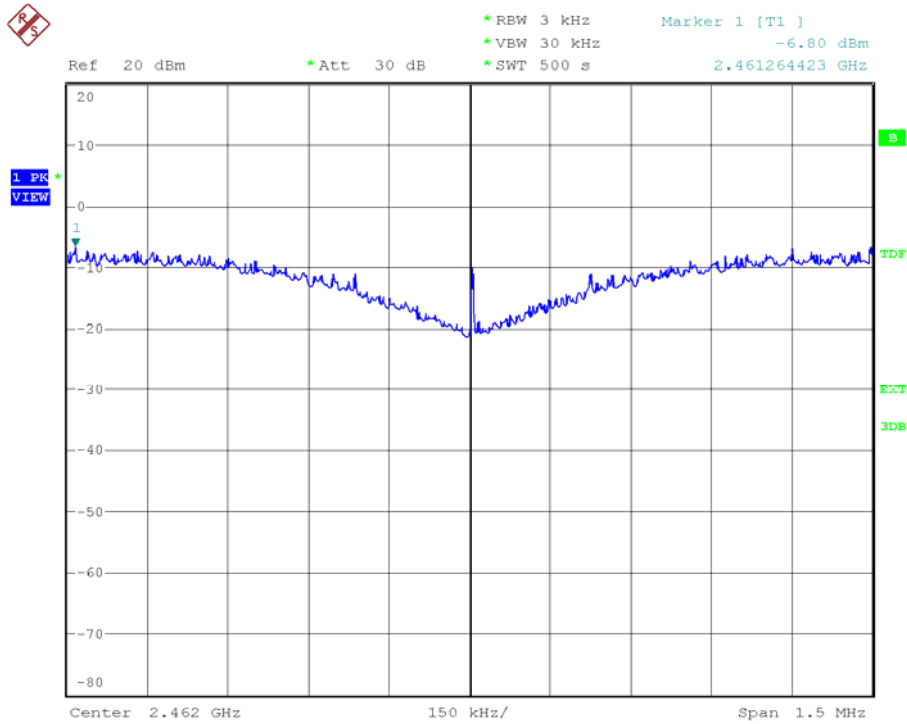


Modulation Standard: 802.11b (11Mbps), Ant R  
Channel: 06

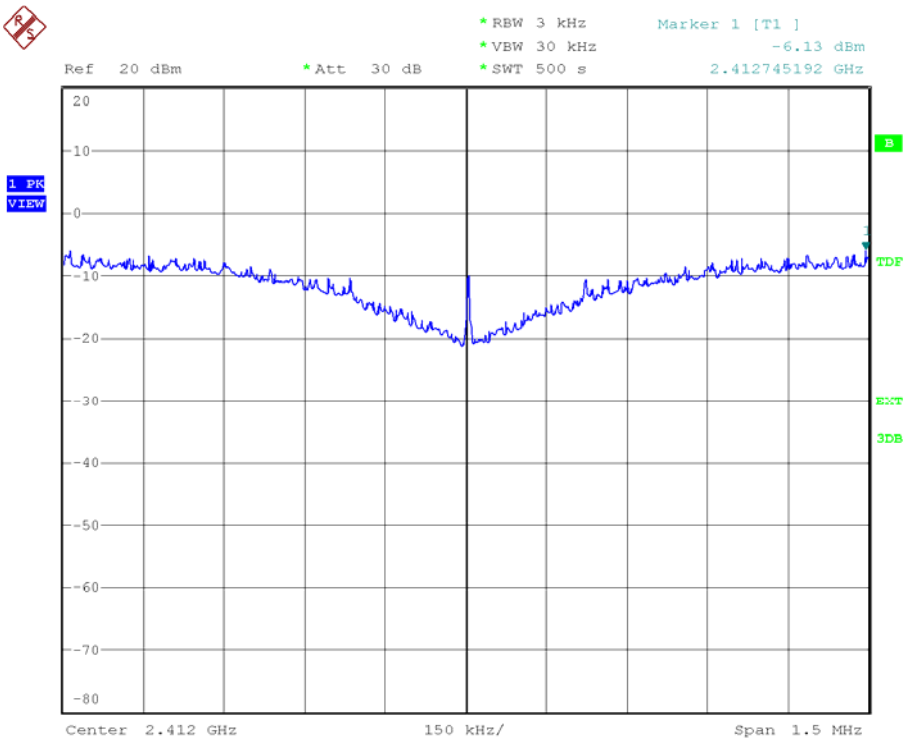




Modulation Standard: 802.11b (11Mbps), Ant R  
Channel: 11

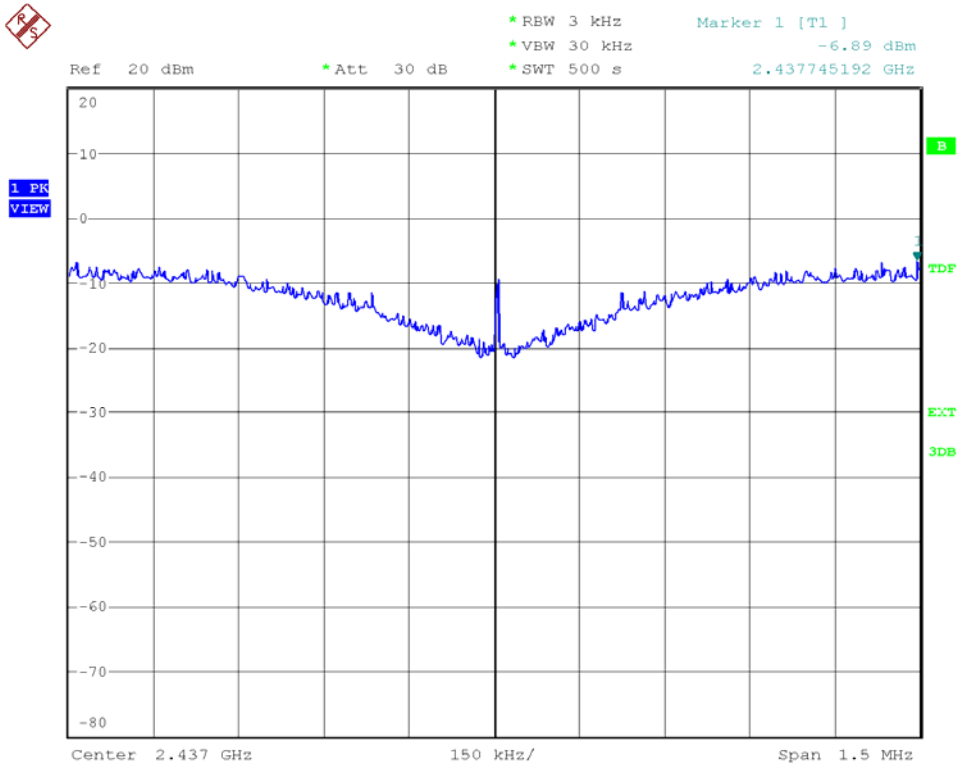


Modulation Standard: 802.11b (11Mbps), Ant L  
Channel: 01

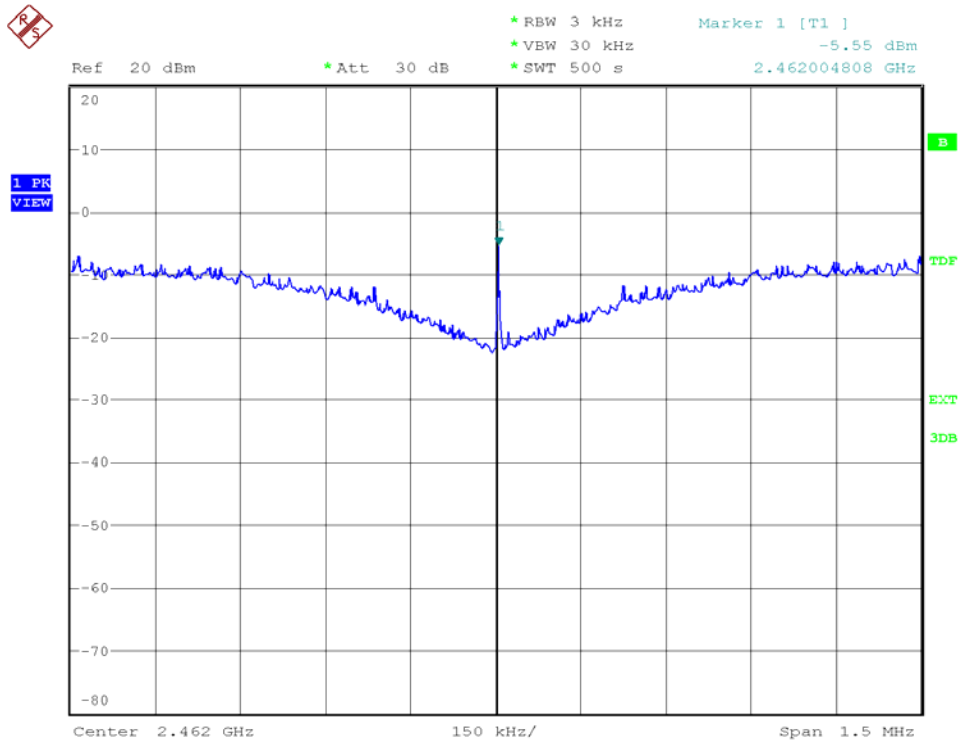




Modulation Standard: 802.11b (11Mbps), Ant L  
Channel: 06

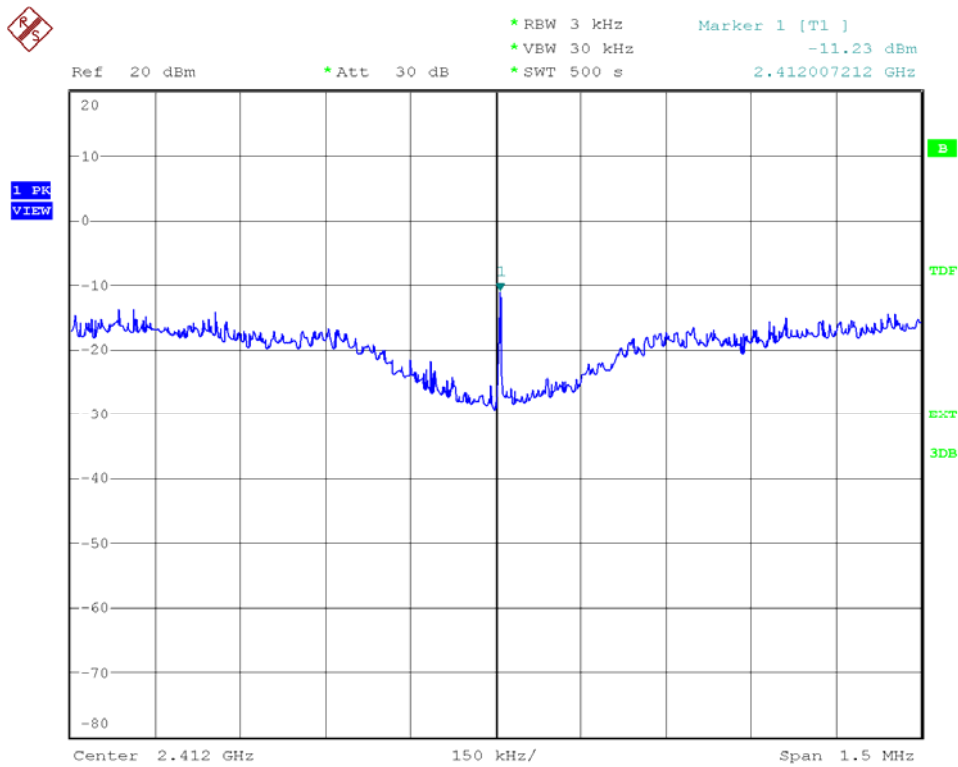


Modulation Standard: 802.11b (11Mbps), Ant L  
Channel: 11

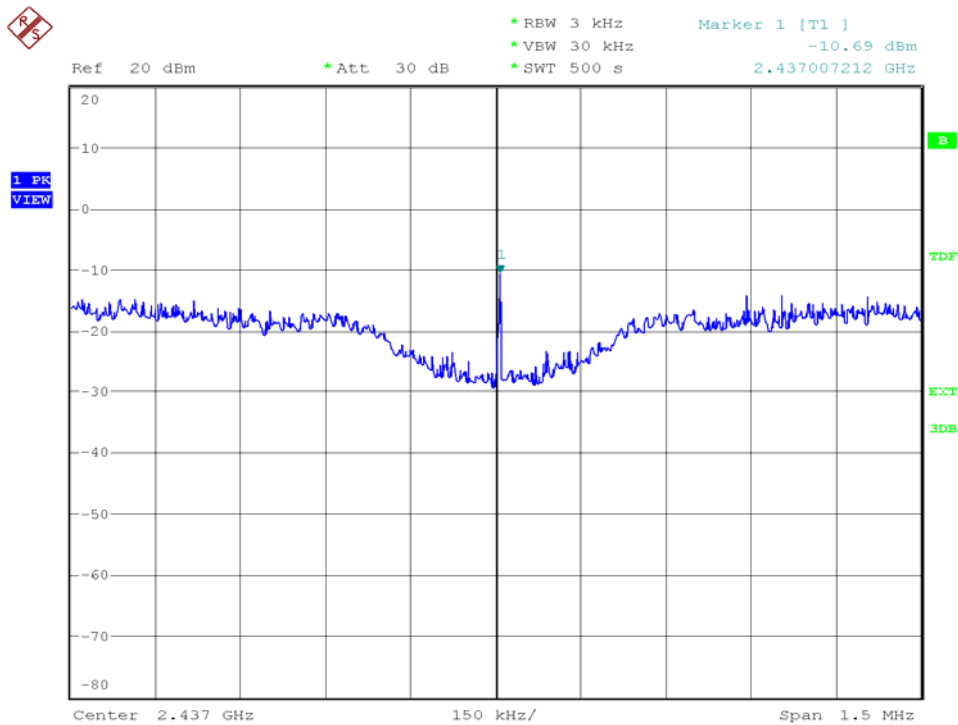




Modulation Standard: 802.11g (54Mbps), Ant R  
Channel: 01

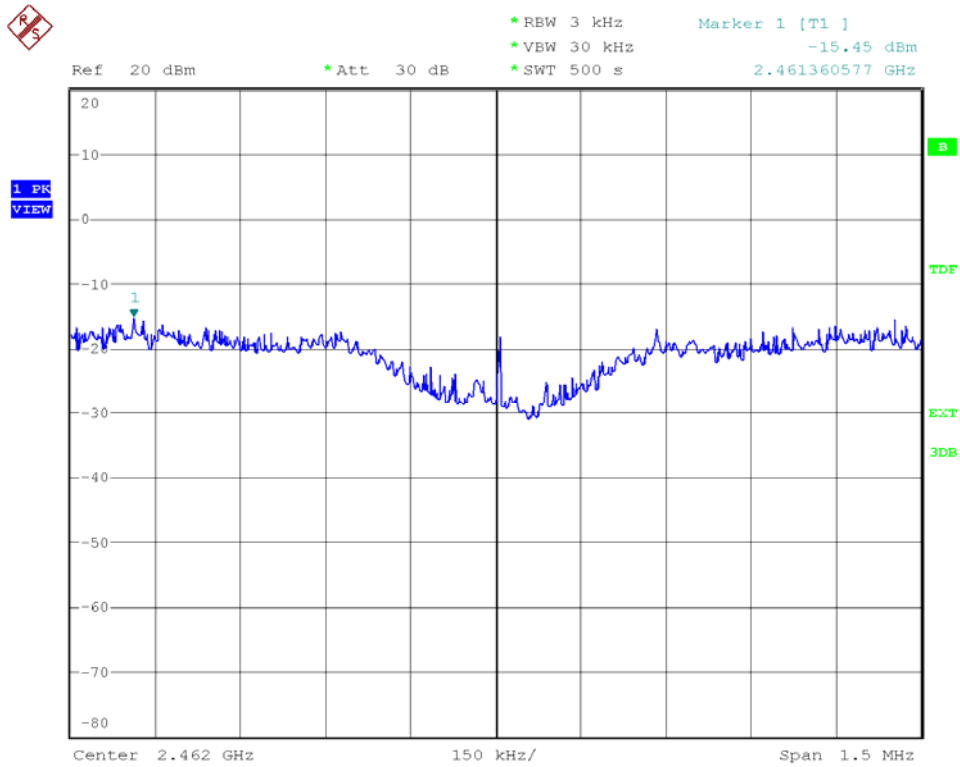


Modulation Standard: 802.11g (54Mbps), Ant R  
Channel: 06

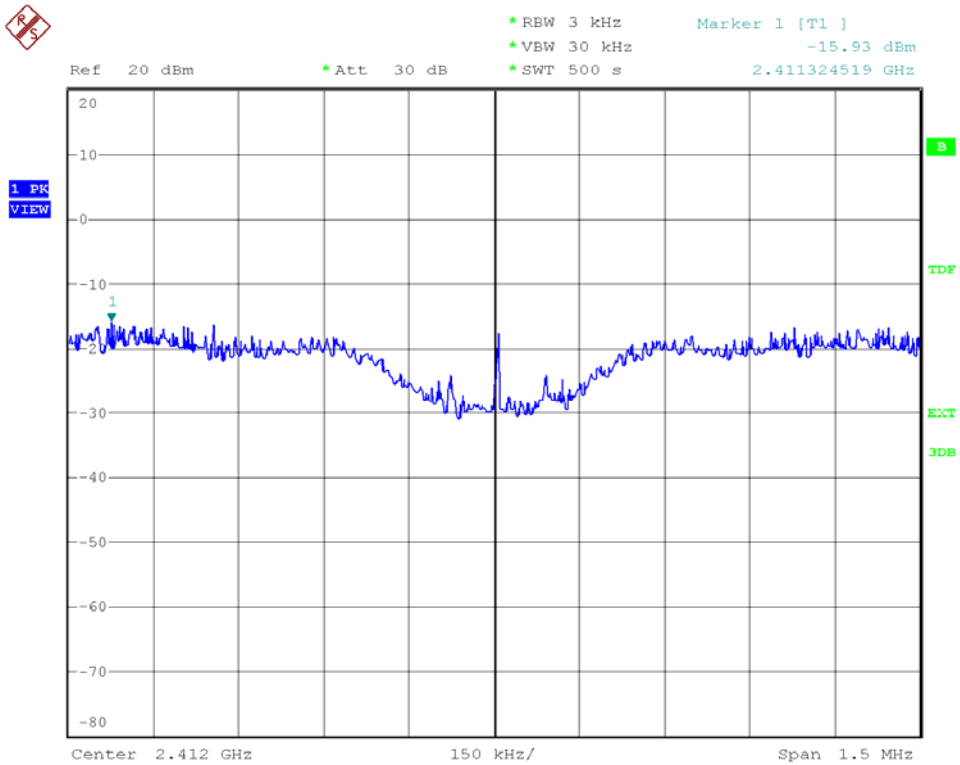




Modulation Standard: 802.11g (54Mbps), Ant R  
Channel: 11

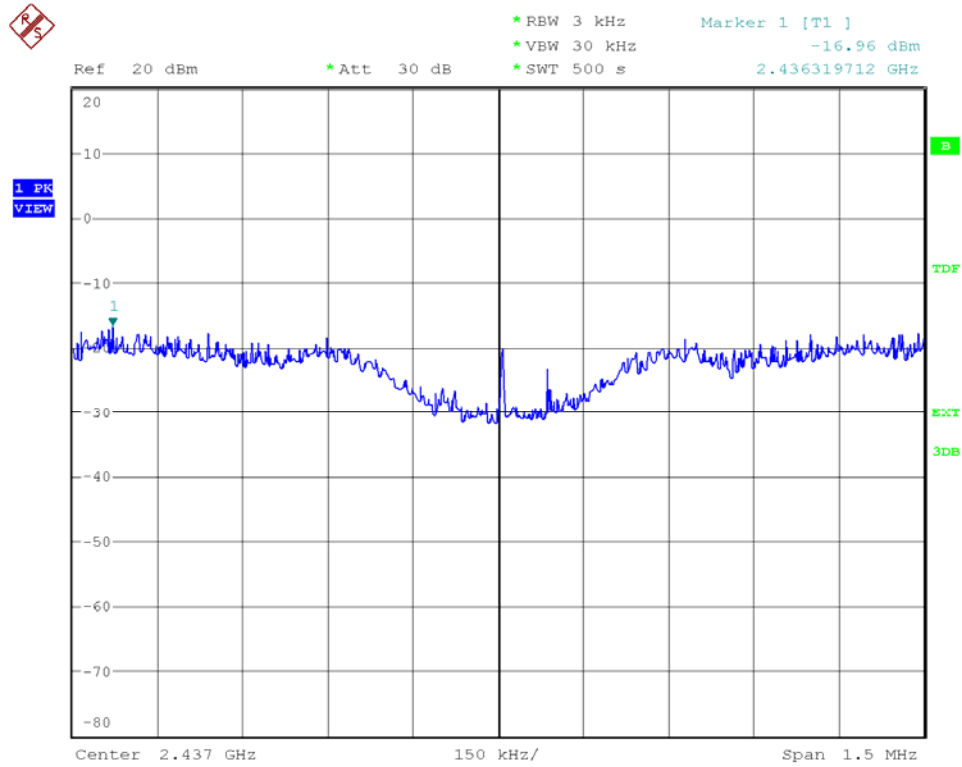


Modulation Standard: 802.11g (54Mbps), Ant L  
Channel: 01

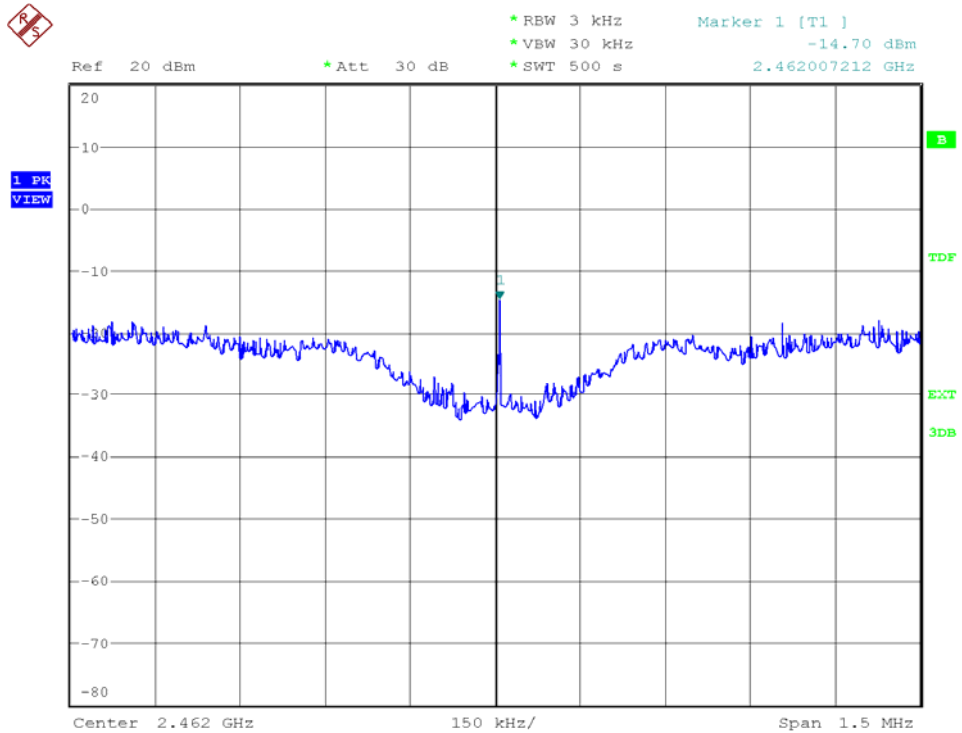




Modulation Standard: 802.11g (54Mbps), Ant L  
Channel: 06

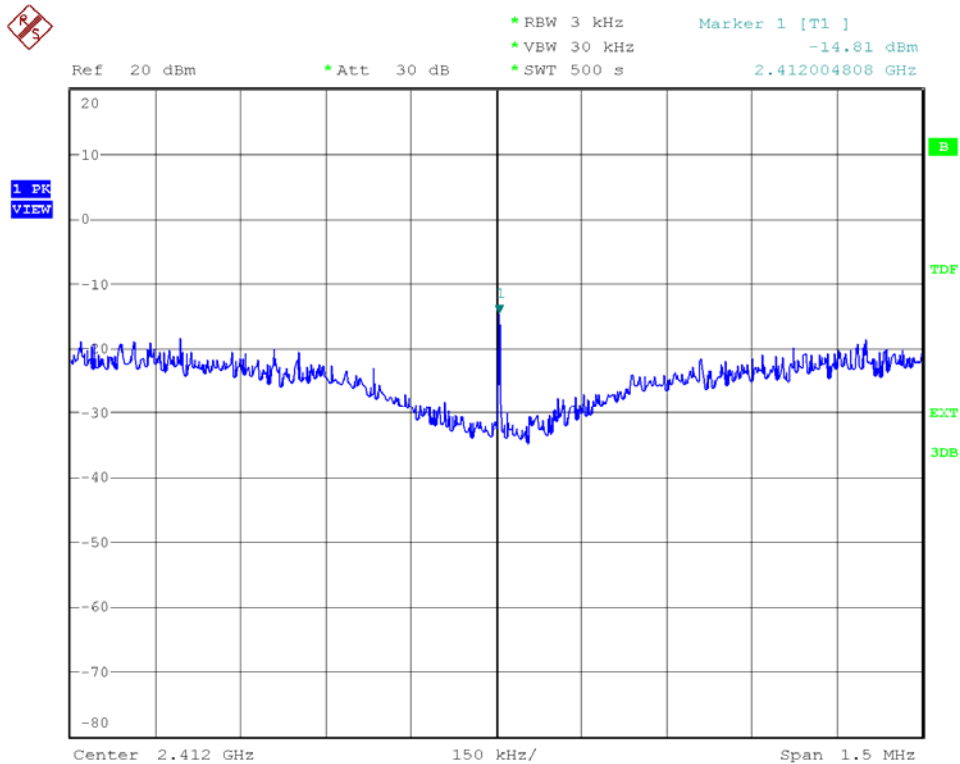


Modulation Standard: 802.11g (54Mbps), Ant L  
Channel: 11

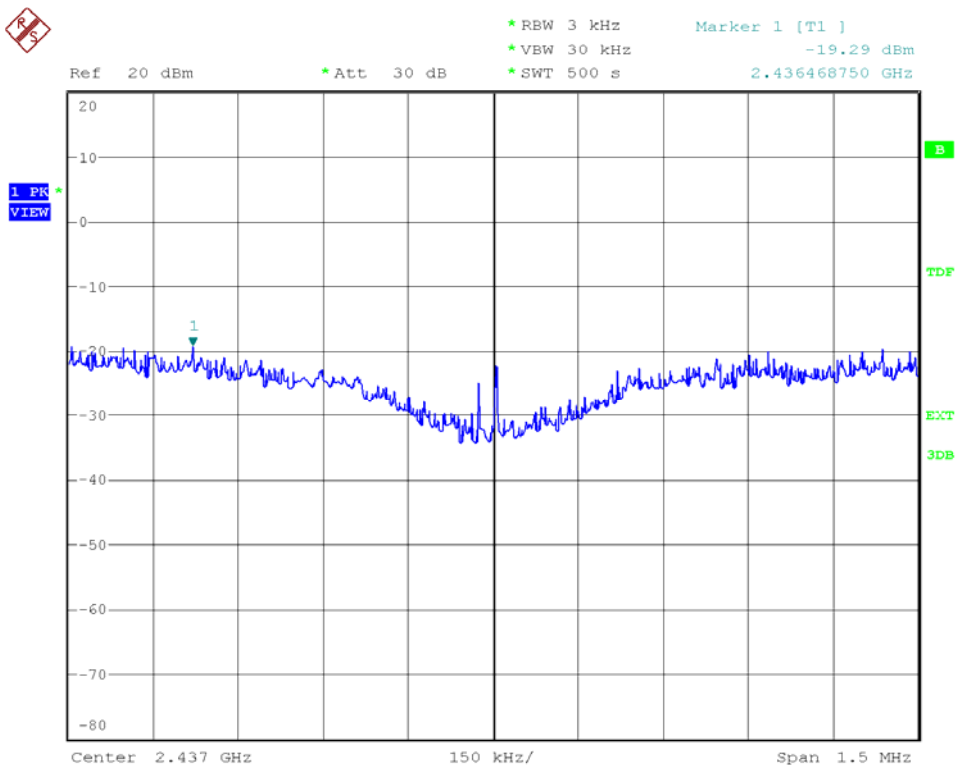




Modulation Standard: 802.11n HT20 (130Mbps), Ant R  
Channel: 01

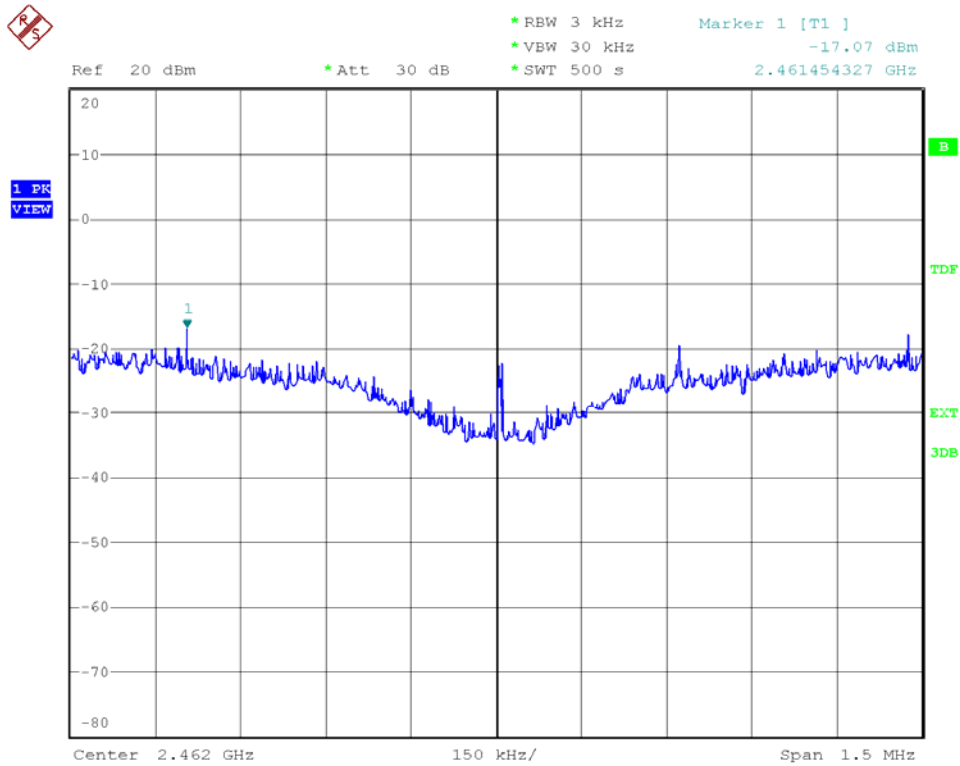


Modulation Standard: 802.11n HT20 (130Mbps), Ant R  
Channel: 06

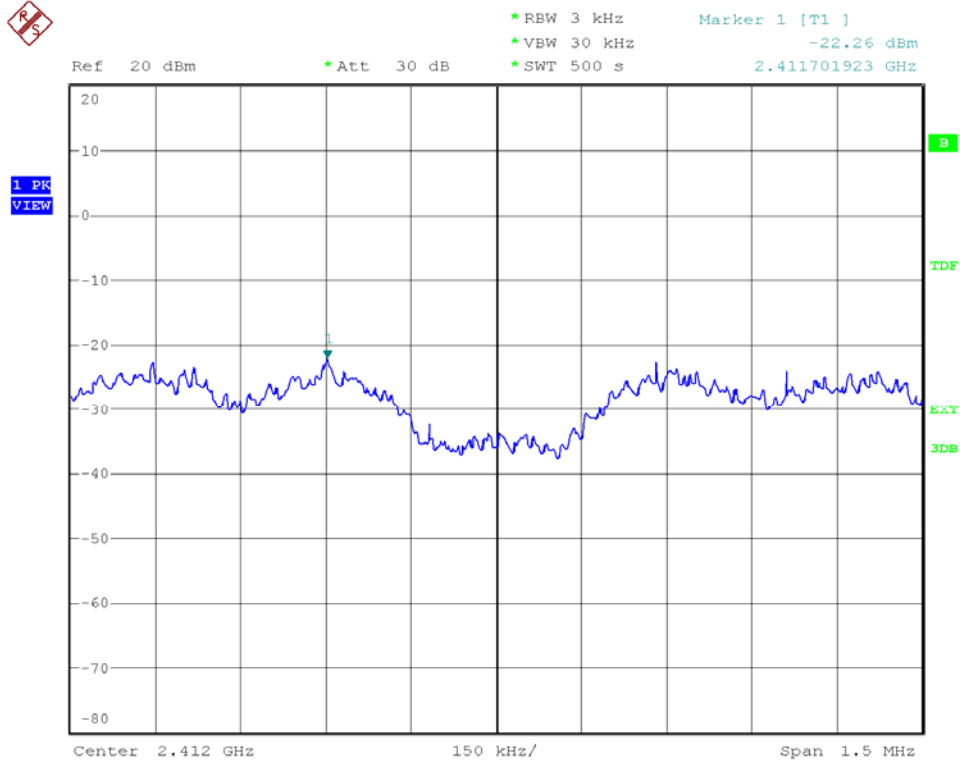




Modulation Standard: 802.11n HT20 (130Mbps), Ant R  
Channel: 11



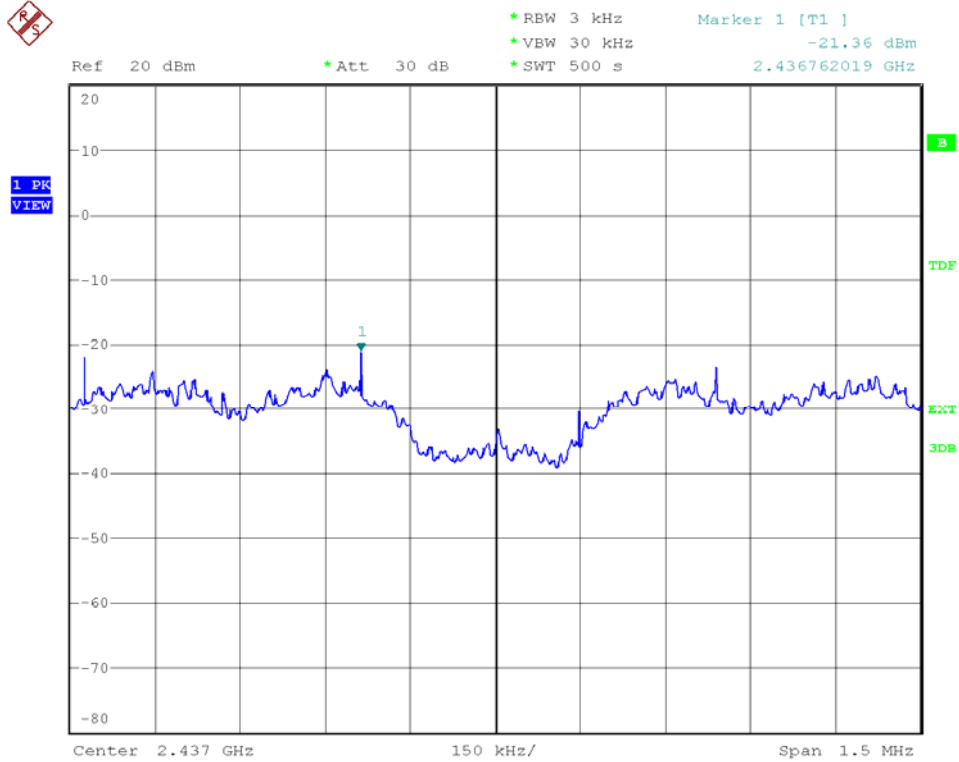
Modulation Standard: 802.11n HT20 (130Mbps), Ant L  
Channel: 01



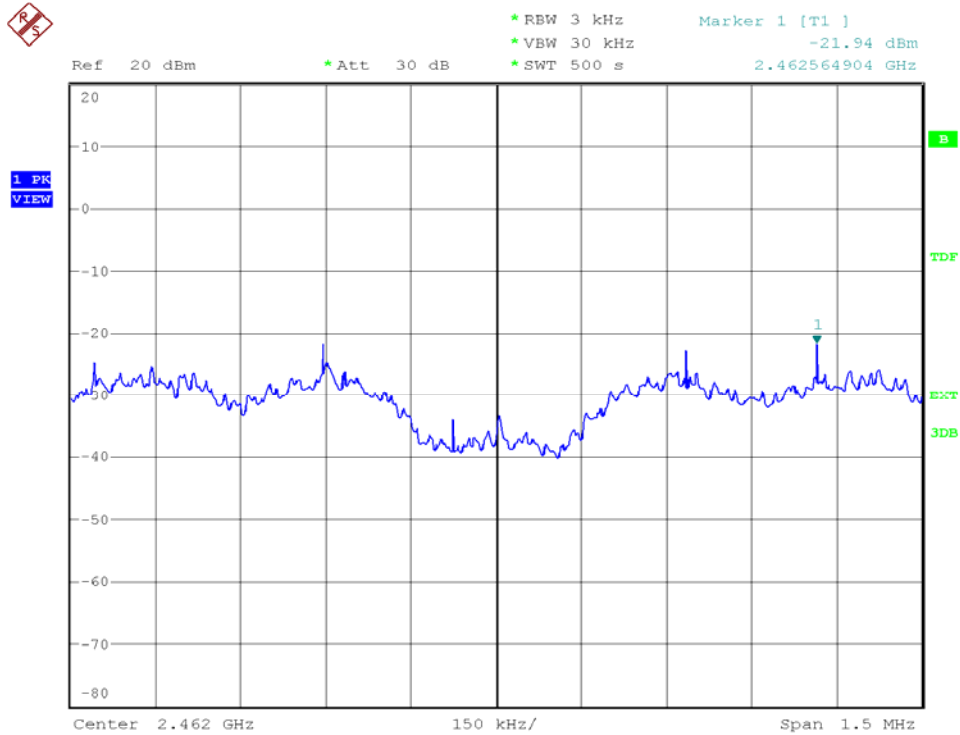




Modulation Standard: 802.11n HT20 (130Mbps), Ant L  
Channel: 06

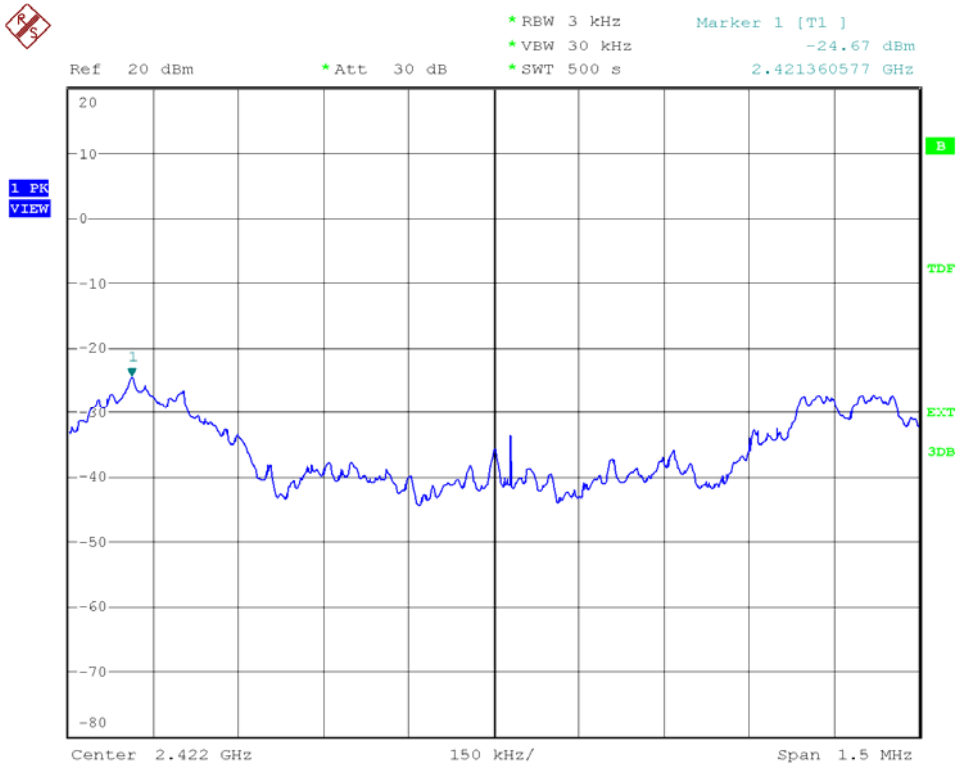


Modulation Standard: 802.11n HT20 (130Mbps), Ant L  
Channel: 11

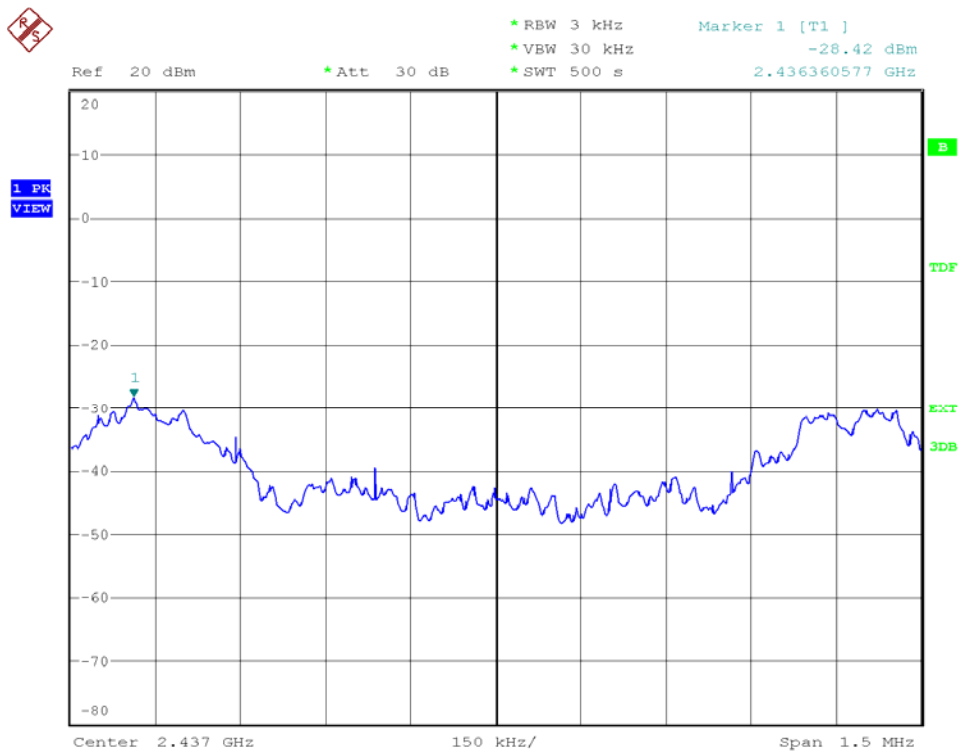




Modulation Standard: 802.11n HT40 (270Mbps), Ant R  
Channel: 03

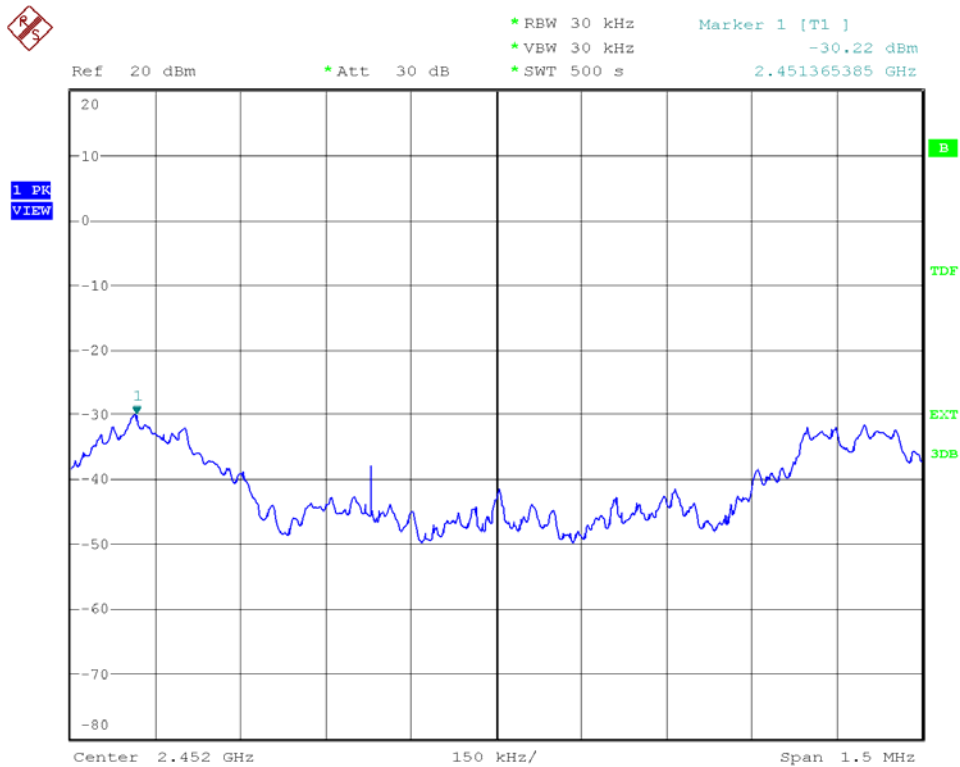


Modulation Standard: 802.11n HT40 (270Mbps), Ant R  
Channel: 06

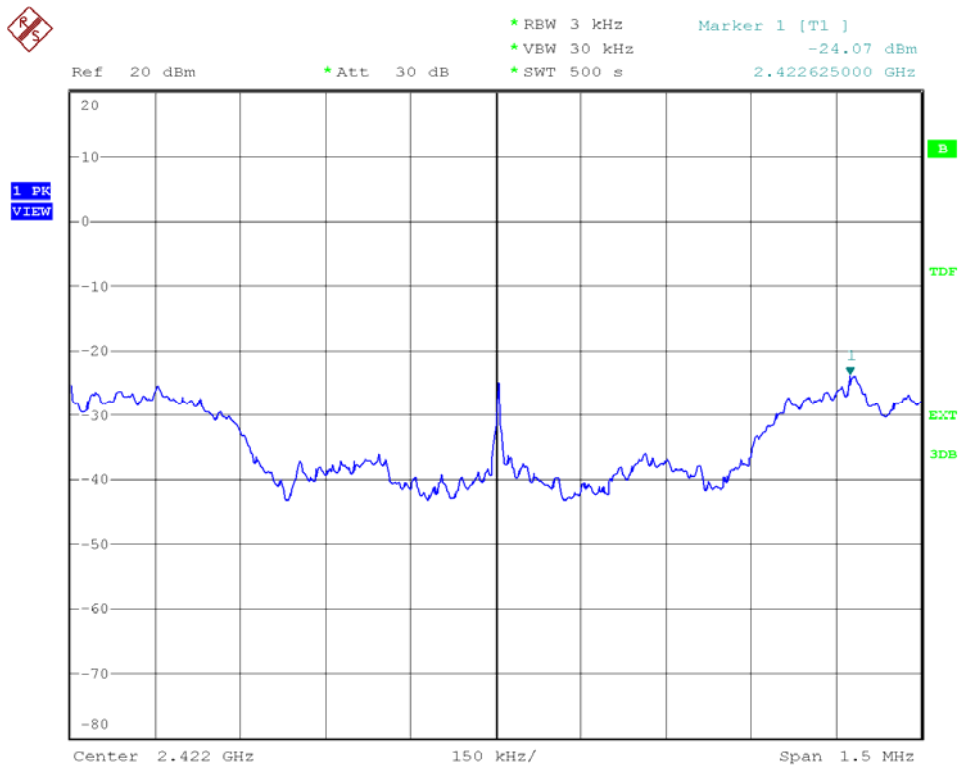




Modulation Standard: 802.11n HT40 (270Mbps), Ant R  
Channel: 09

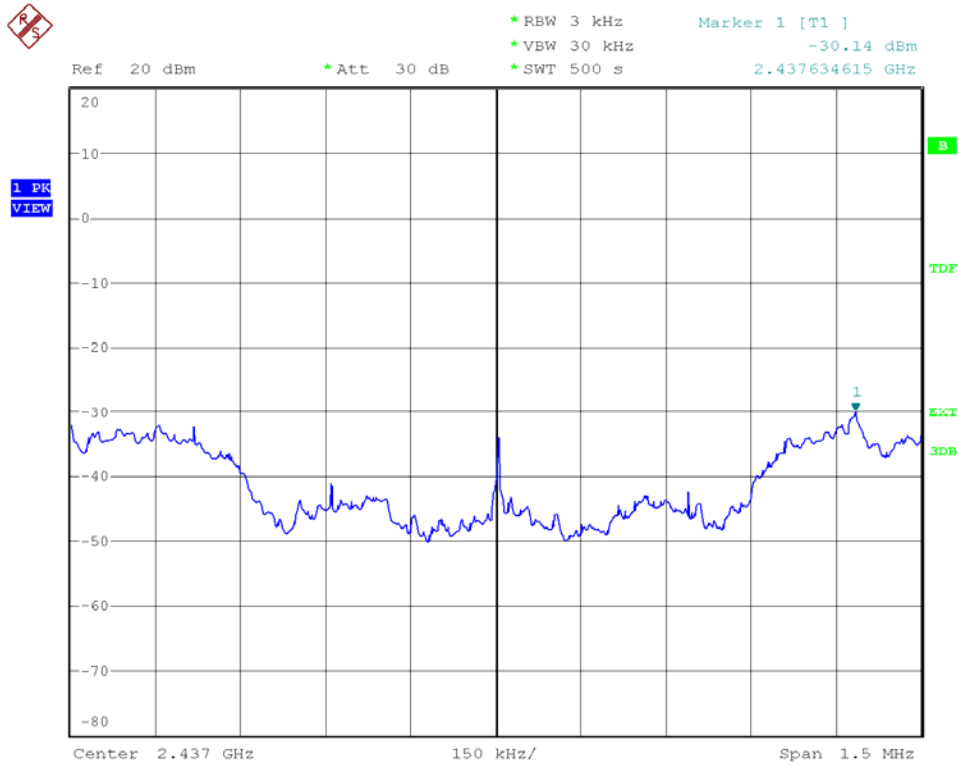


Modulation Standard: 802.11n HT40 (270Mbps), Ant L  
Channel: 03

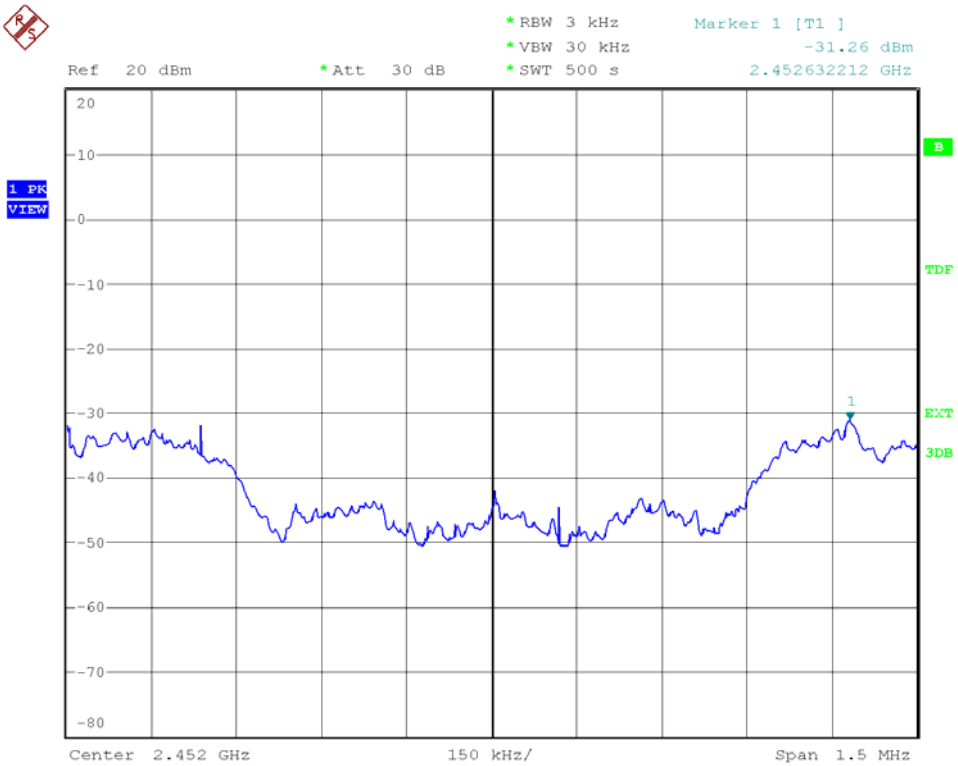




Modulation Standard: 802.11n HT40 (270Mbps), Ant L  
Channel: 06

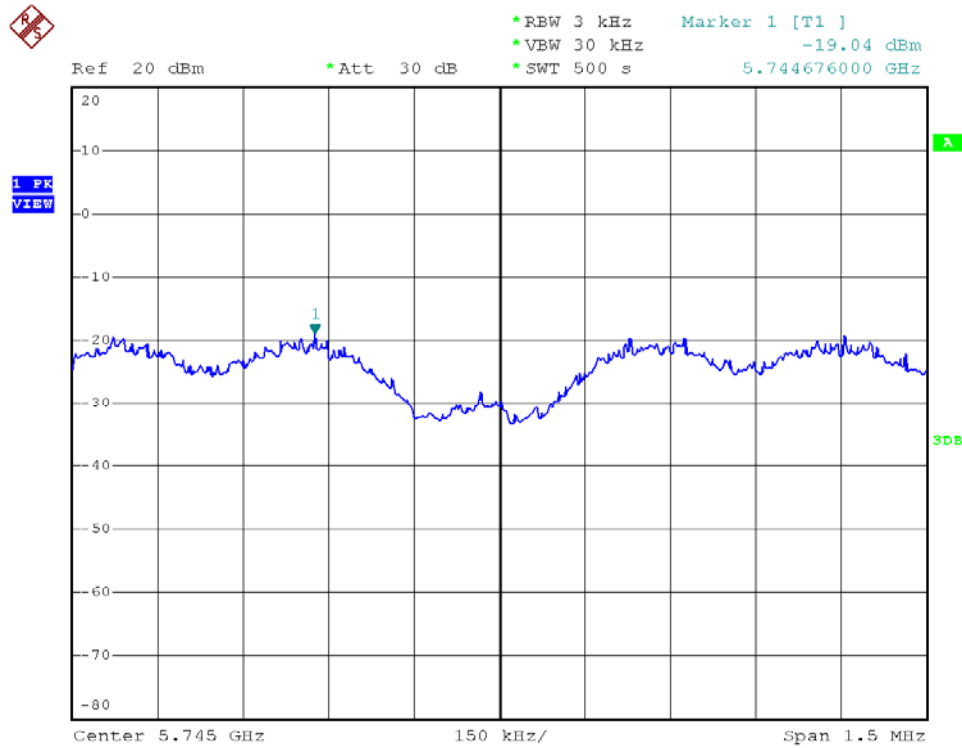


Modulation Standard: 802.11n HT40 (270Mbps), Ant L  
Channel: 09

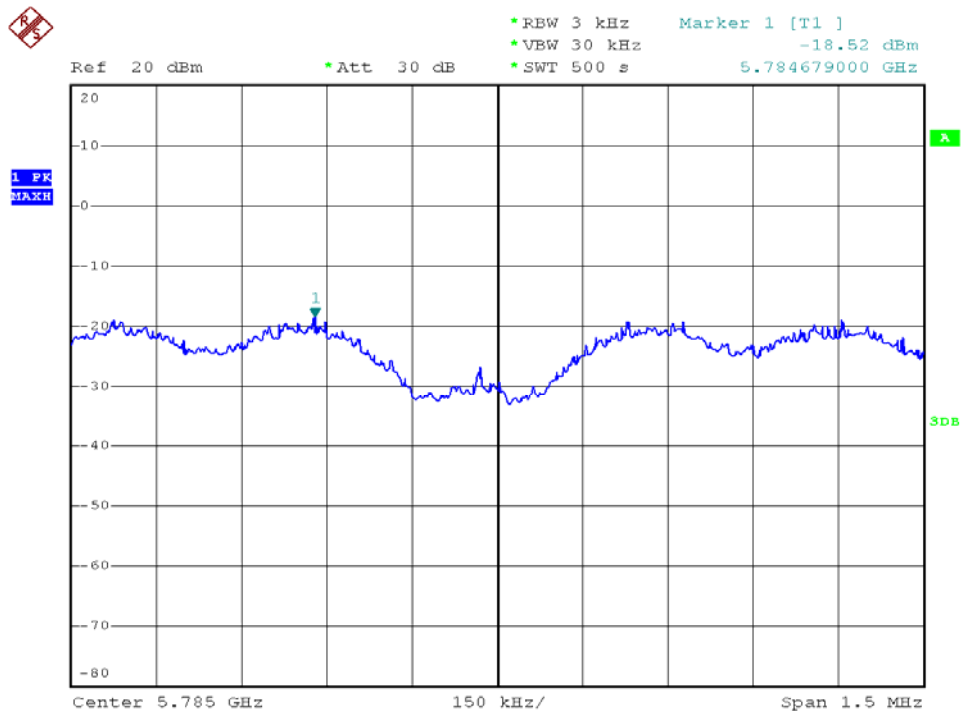




Modulation Standard: 802.11a (6Mbps), Ant R  
Channel: 149

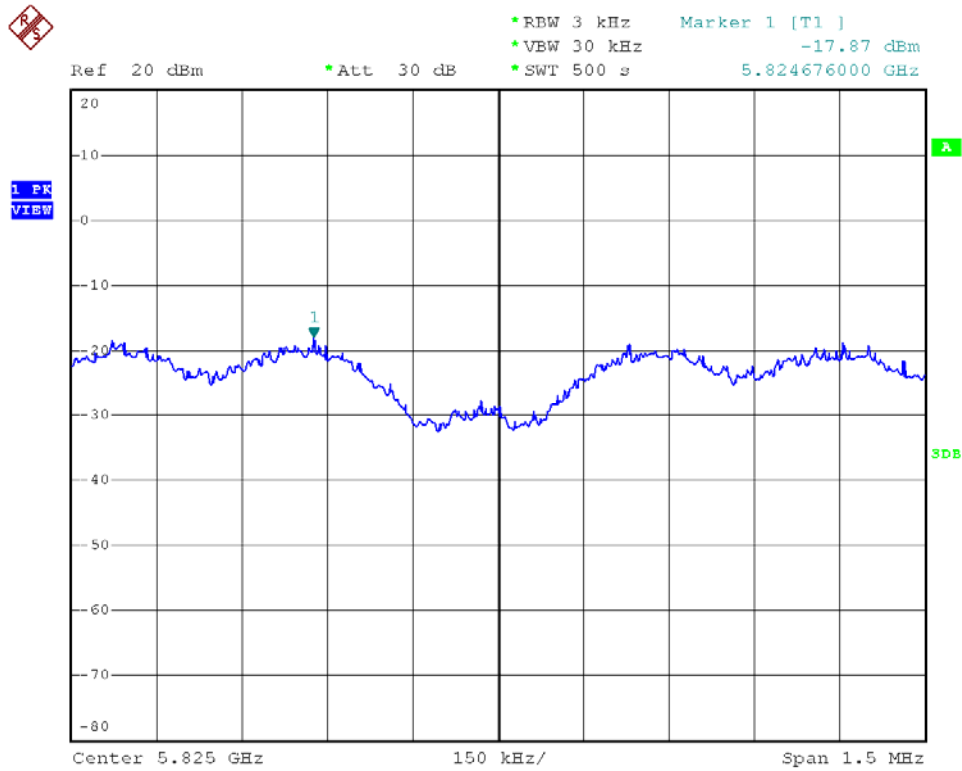


Modulation Standard: 802.11a (6Mbps), Ant R  
Channel: 157

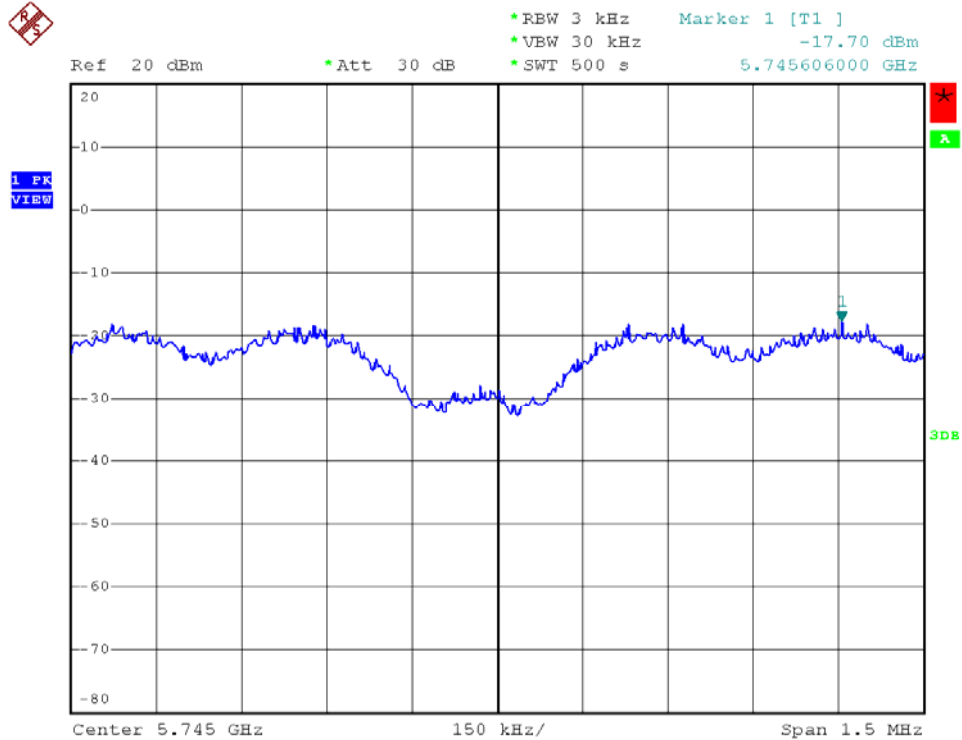




Modulation Standard: 802.11a (6Mbps), Ant R  
Channel: 165

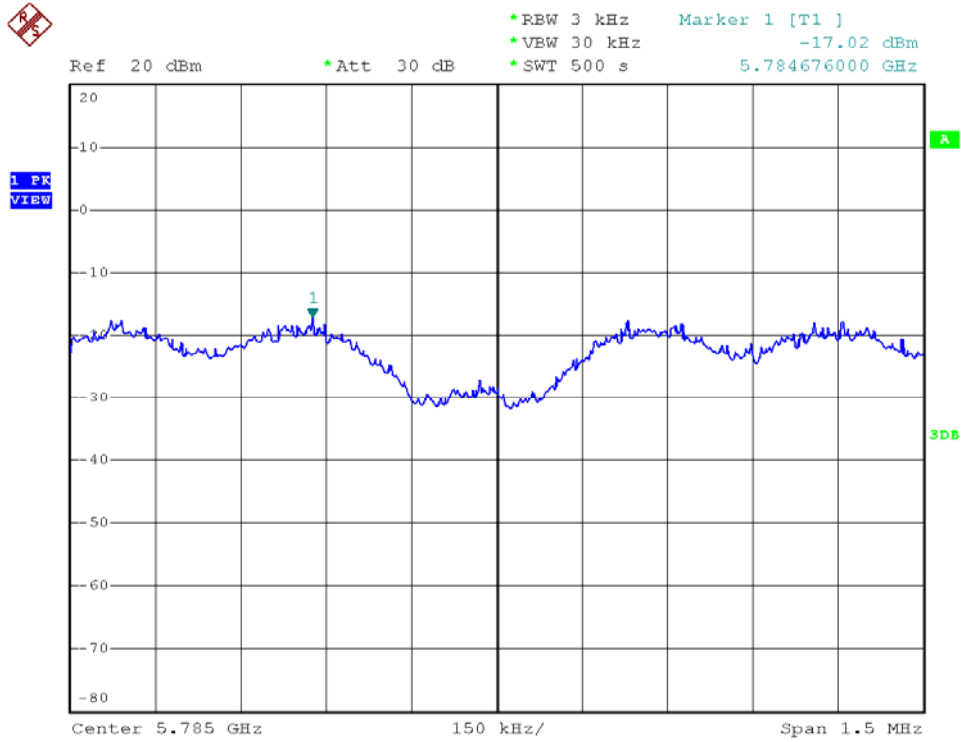


Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 149

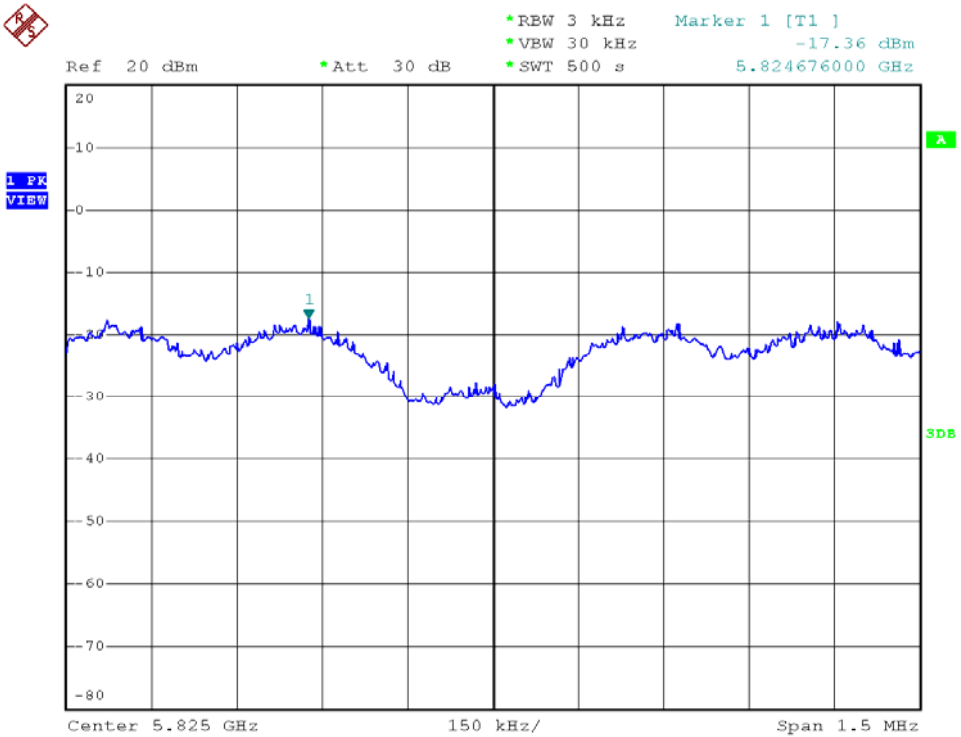




Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 157

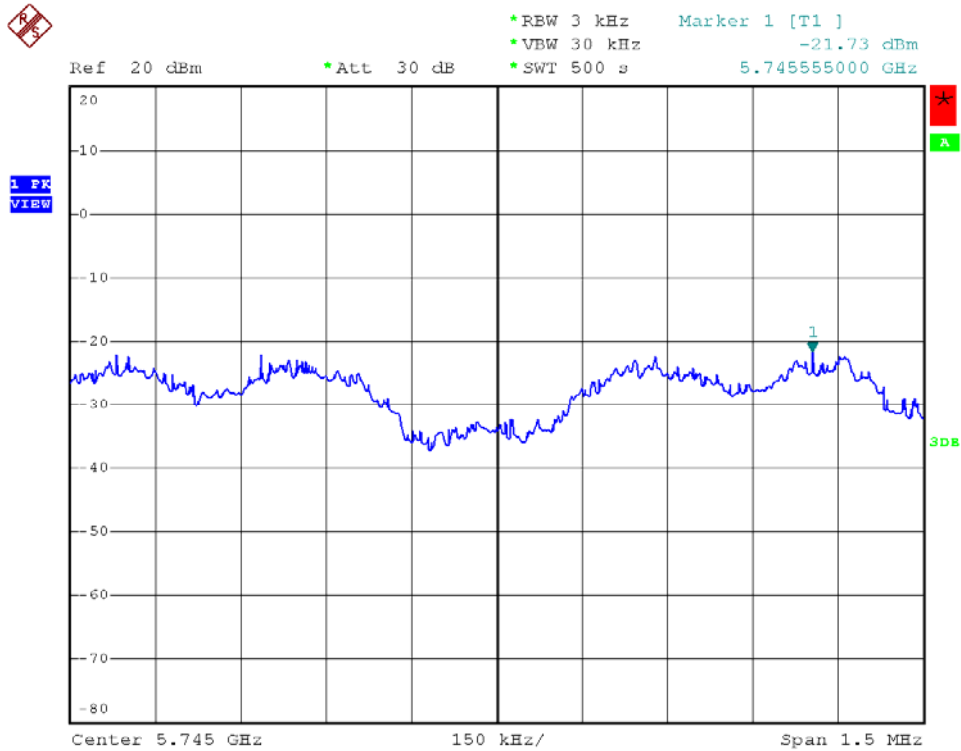


Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 165

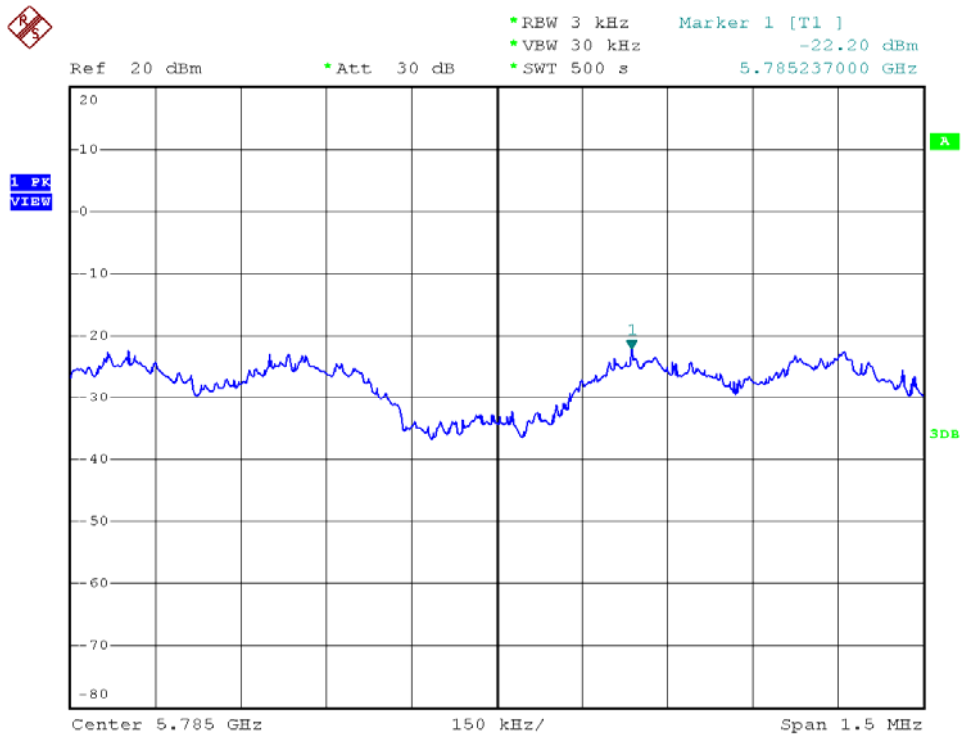




Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 149



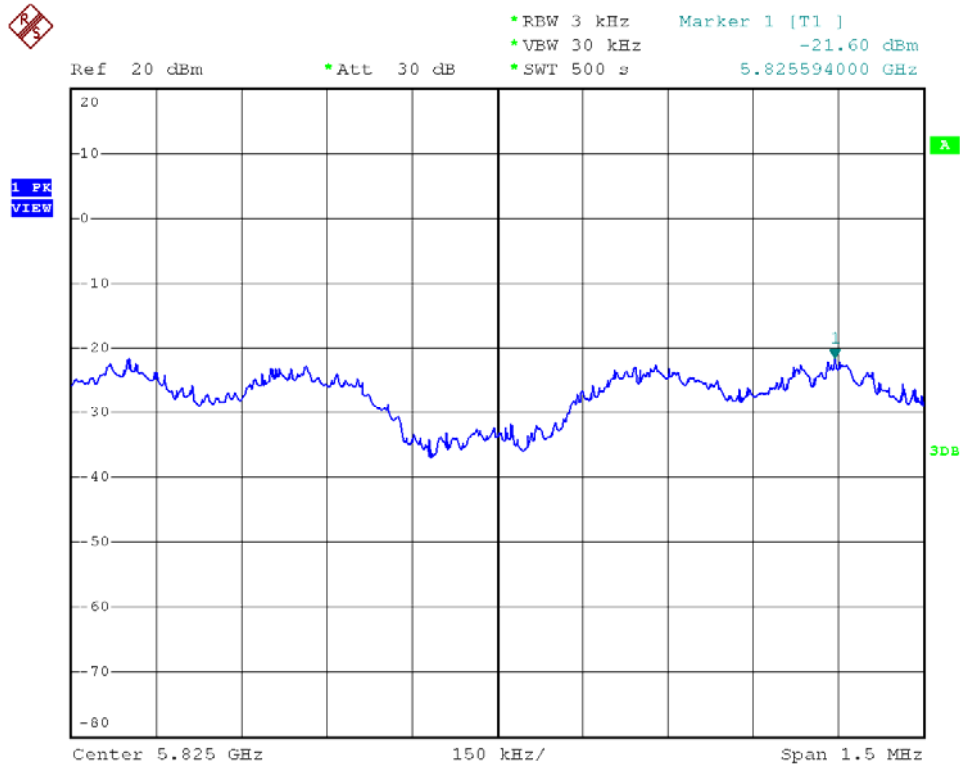
Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 157



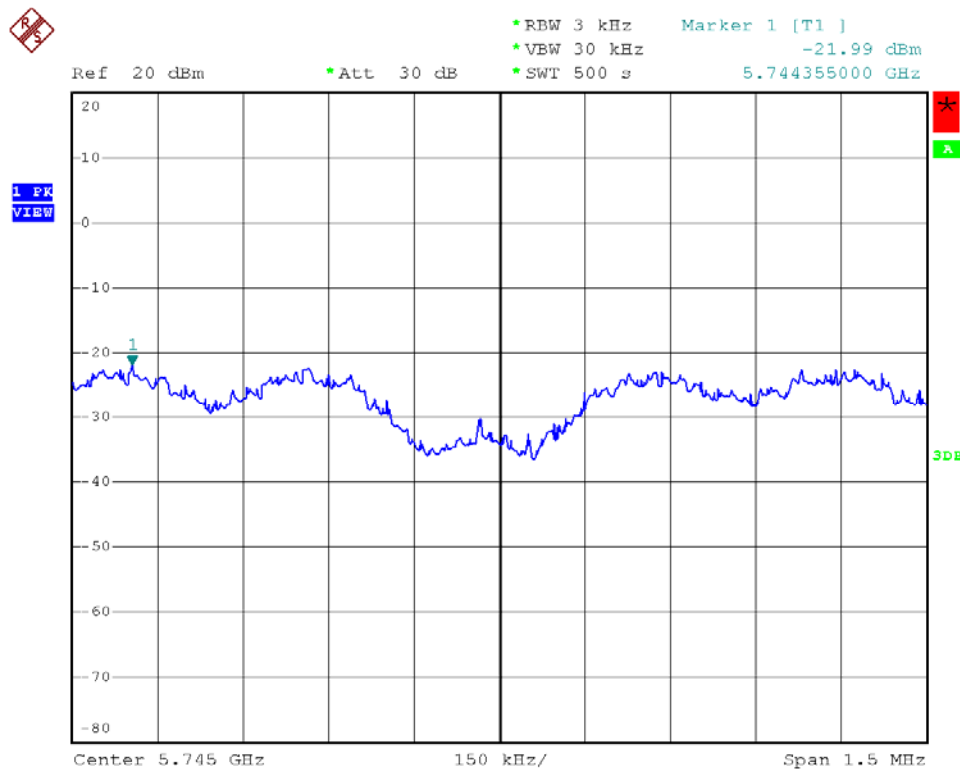




Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 165

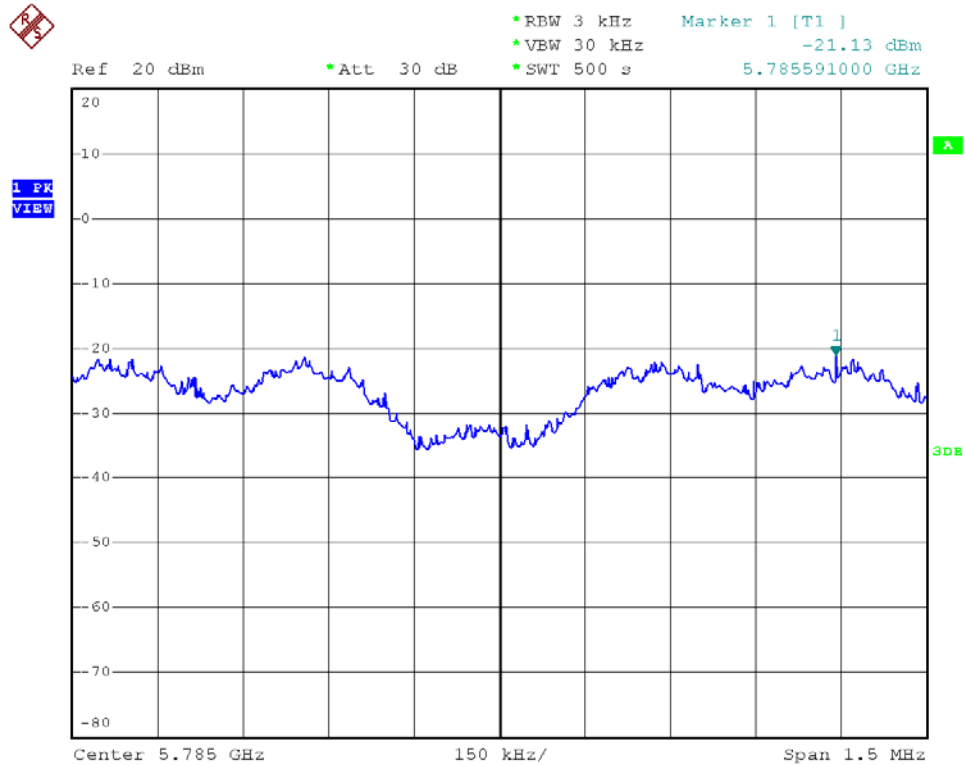


Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 149

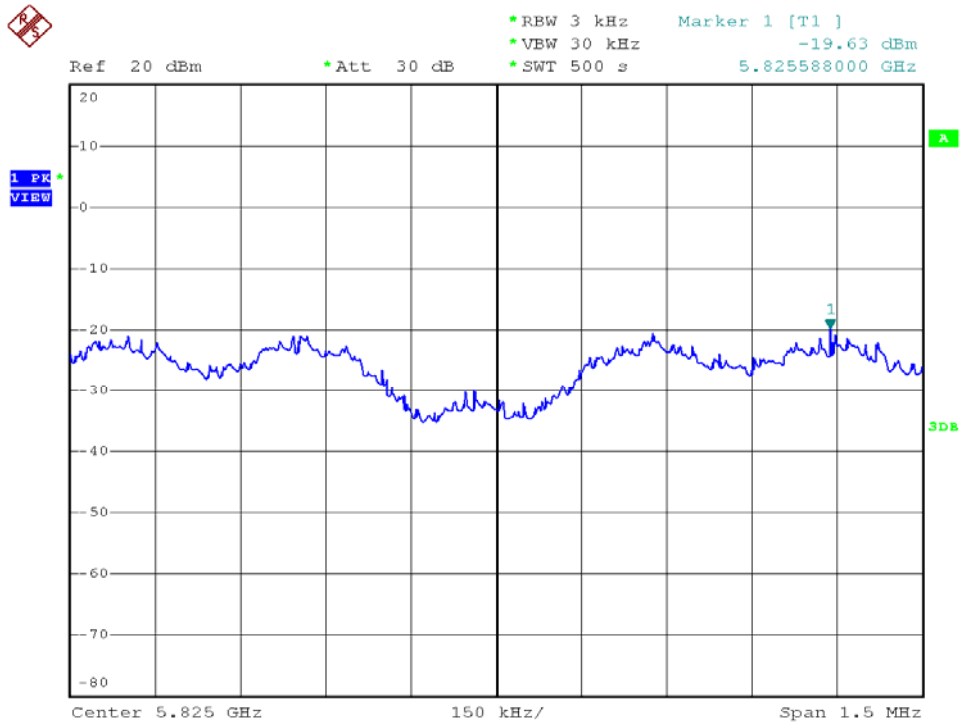




Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 157

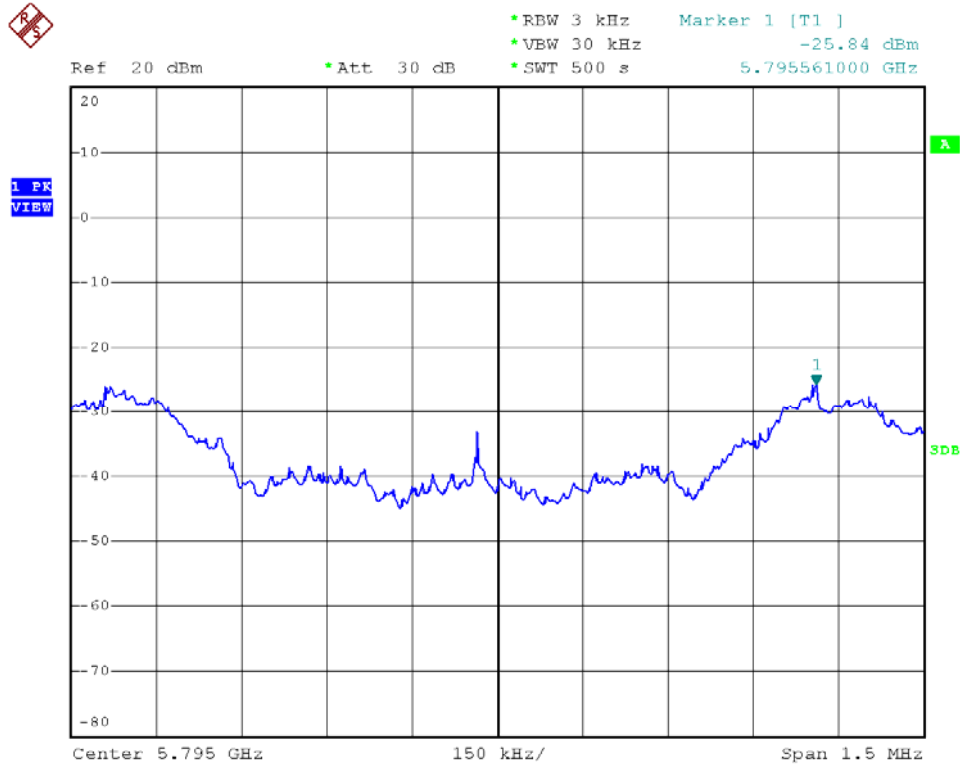


Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 165

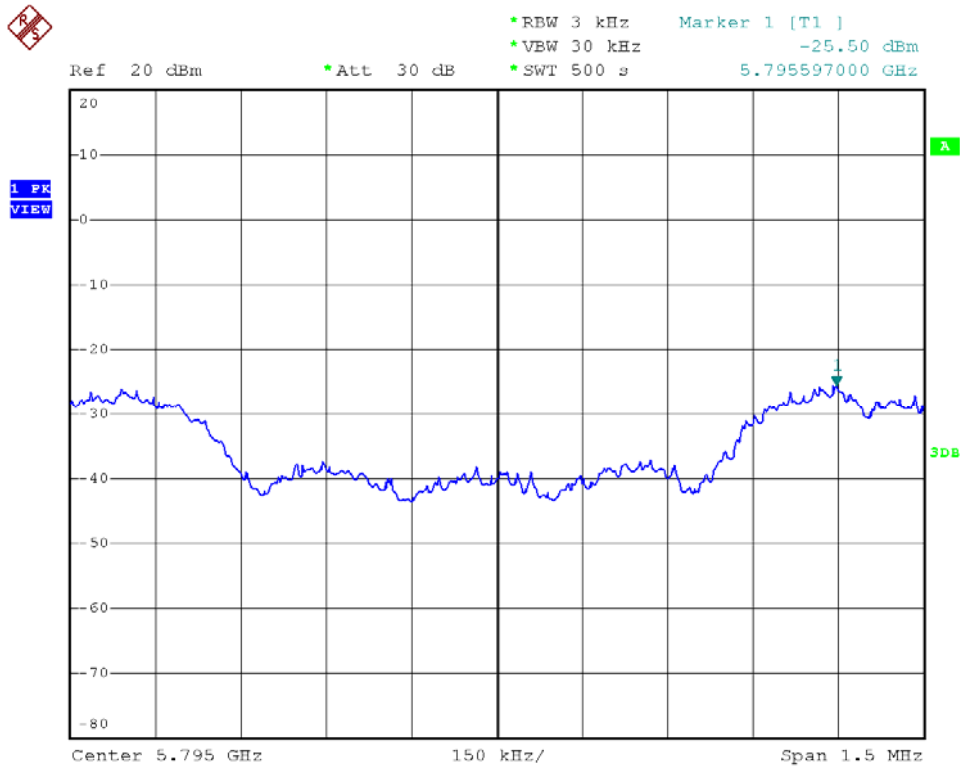




Modulation Standard: 802.11an HT40 (270Mbps), Ant R  
Channel: 159



Modulation Standard: 802.11an HT40 (270Mbps), Ant L  
Channel: 159





## 9. Band Edges Measurement

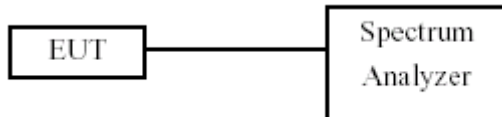
### 9.1 Test Limit

Below  $-20\text{dB}$  of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

### 9.2 Test Procedure

- a. The transmitter output was connected to the spectrum analyzer via a low lose cable.
- b. Set both RBW and VBW of spectrum analyzer to 100 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- c. The band edges was measured and recorded.

### 9.3 Test Setup Layout



### 9.4 Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20



## 9.5 Test Result and Data

Test Date: Mar. 06, 2009

Temperature: 25°C

Atmospheric pressure: 1025 hPa

Humidity: 49%

Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
			Ant R	Ant L	Ant R	Ant L
802.11b (11Mbps)	01	2412	2396.9	2396.9	-26.70	-28.70
	11	2462	2484.6	2484.7	-48.56	-48.98
802.11g (54Mbps)	01	2412	2399.5	2399.5	-28.33	-29.46
	11	2462	2483.8	2536.0	-51.49	-64.37
802.11n HT20 (130Mbps)	01	2412	2399.5	2399.5	-30.97	-23.81
	11	2462	2484.3	2536.0	-54.32	-66.38
802.11n HT40 (270Mbps)	03	2422	2399.5	2399.5	-36.56	-35.57
	09	2452	2484.4	2500.0	-50.81	-65.79

Test Date: Mar. 13, 2009

Temperature: 25°C

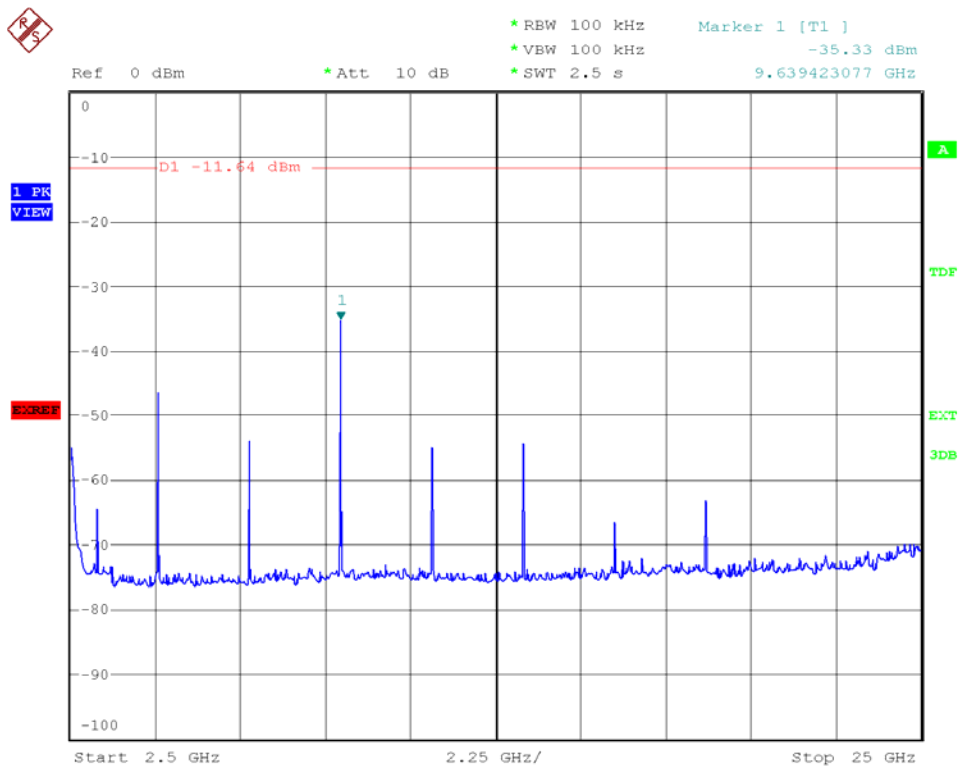
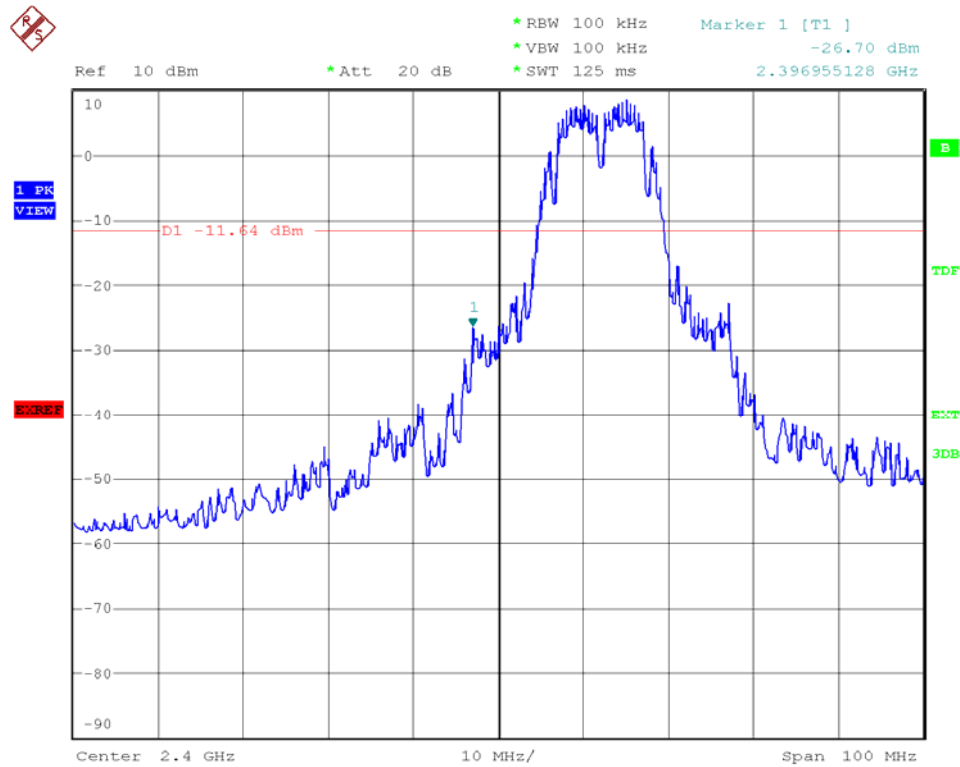
Atmospheric pressure: 1025 hPa

Humidity: 49%

Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
			Ant R	Ant L	Ant R	Ant L
802.11a (6Mbps)	149	5745	5724.8	5721.6	-46.86	-44.78
	165	5825	39592.0	39524.0	-47.54	-47.80
802.11an HT20 (130Mbps)	149	5745	5724.4	5724.6	-47.41	-47.10
	165	5825	39660.0	39524.0	-48.04	-47.60
802.11an HT40 (270Mbps)	159	5795	5827.4	5832.6	-43.09	-42.44

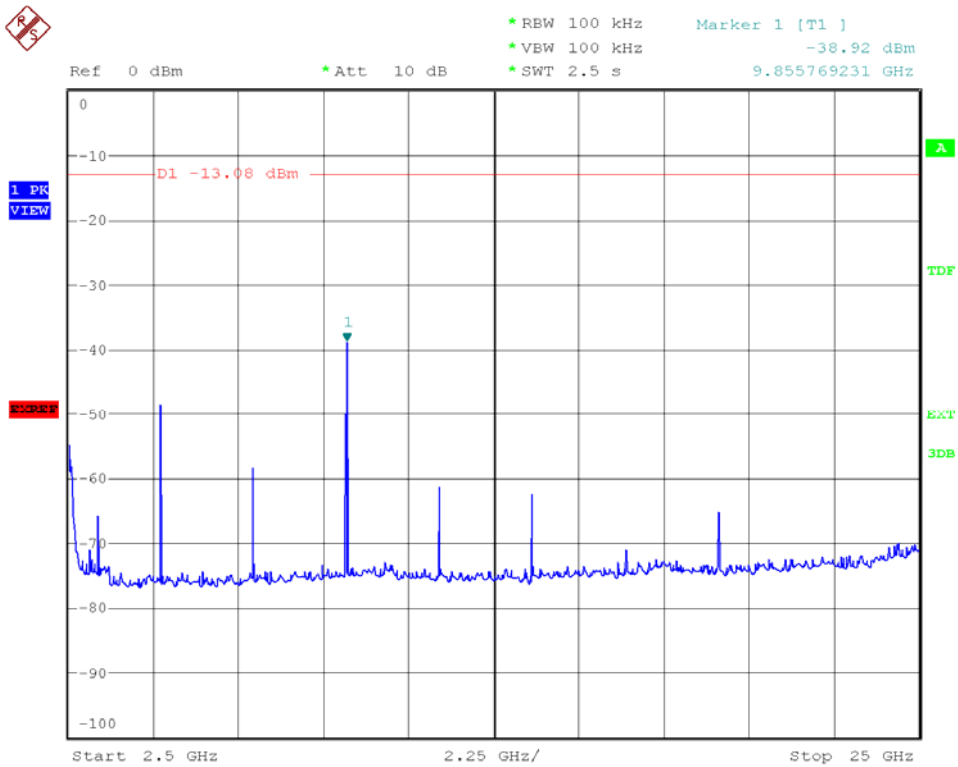
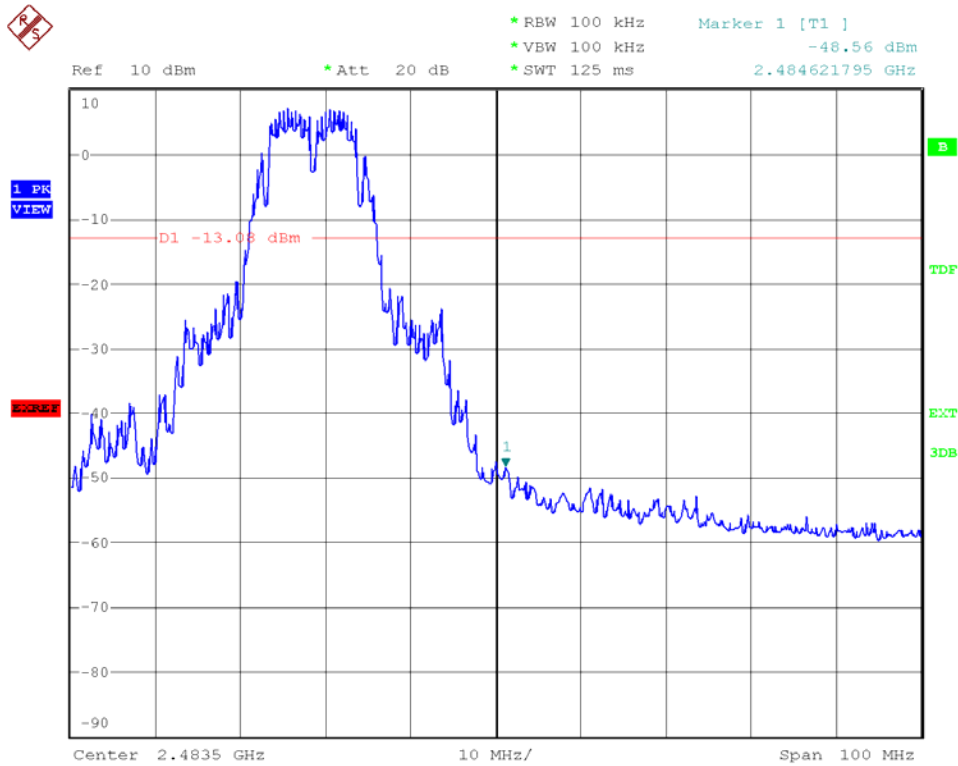


Modulation Standard: 802.11b (11Mbps), Ant R  
Channel: 01



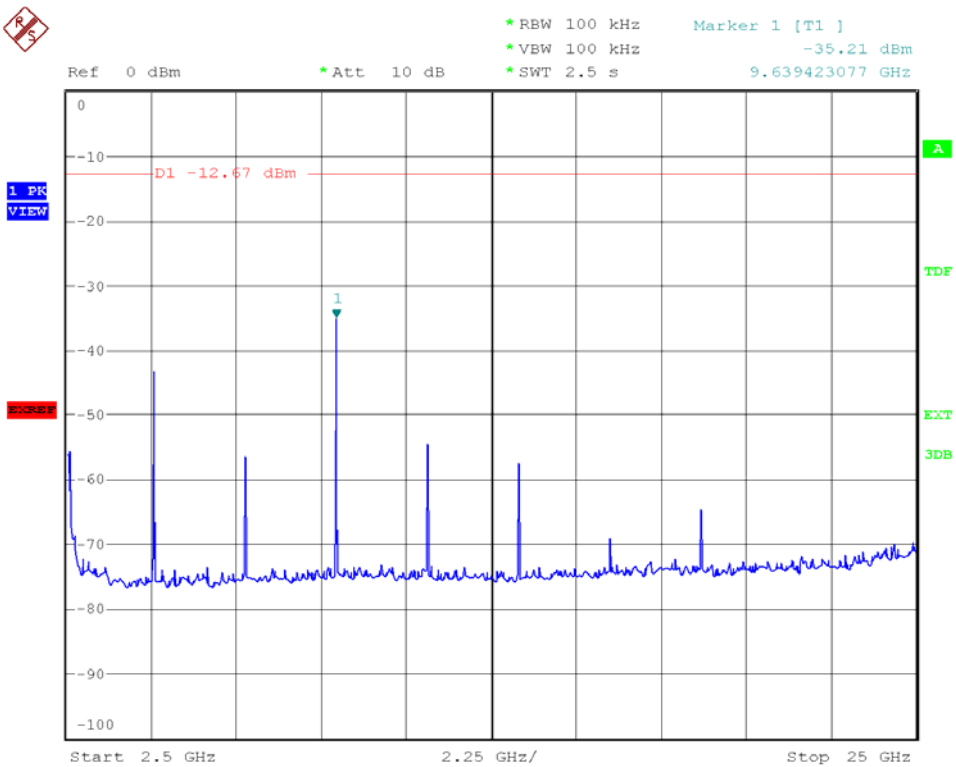
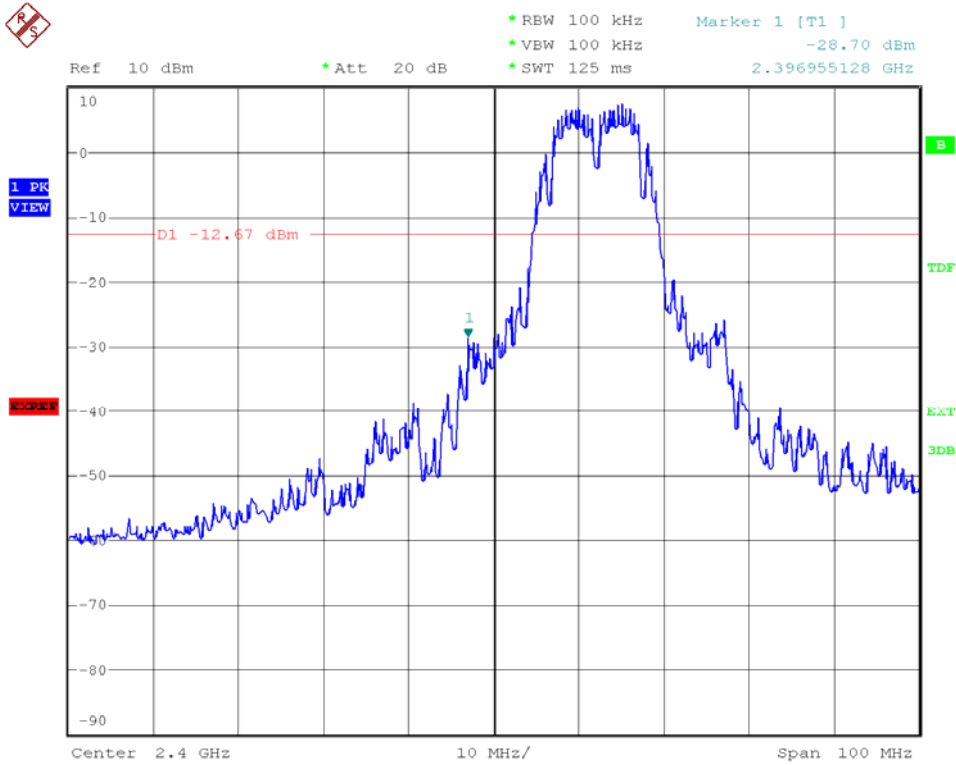


Modulation Standard: 802.11b (11Mbps), Ant R  
Channel: 11





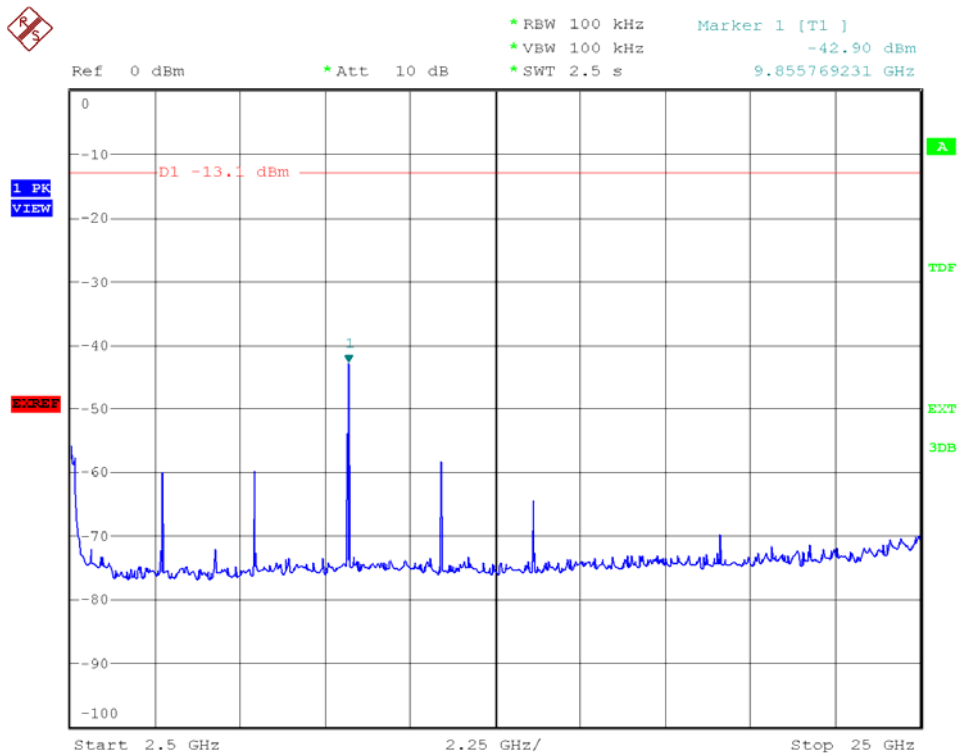
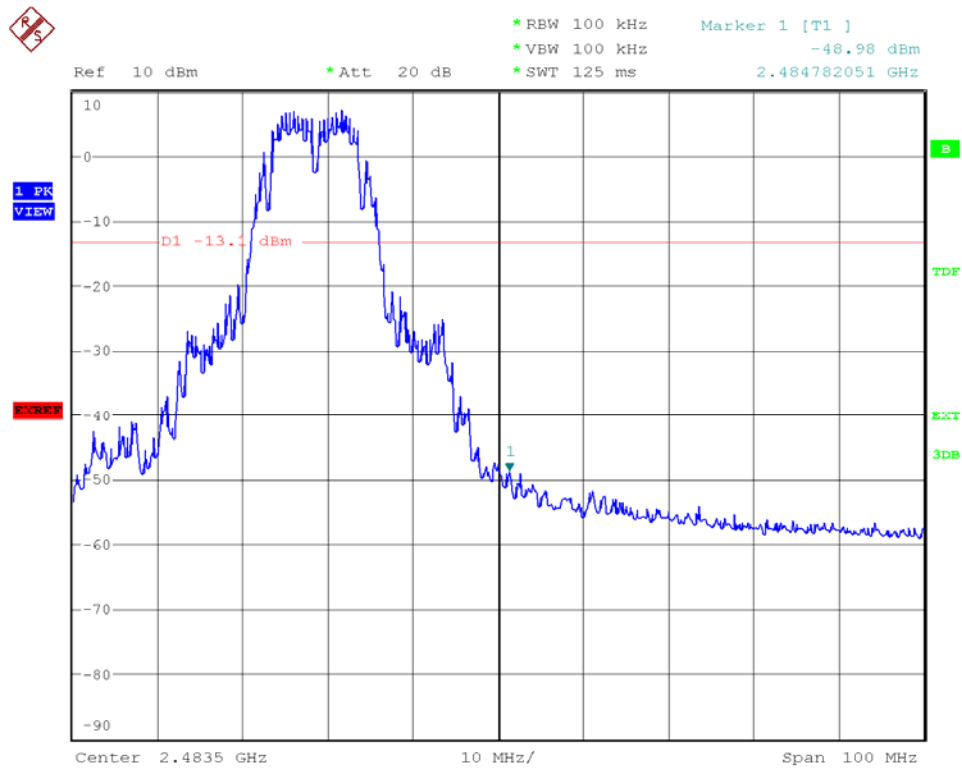
Modulation Standard: 802.11b (11Mbps), Ant L  
Channel: 01





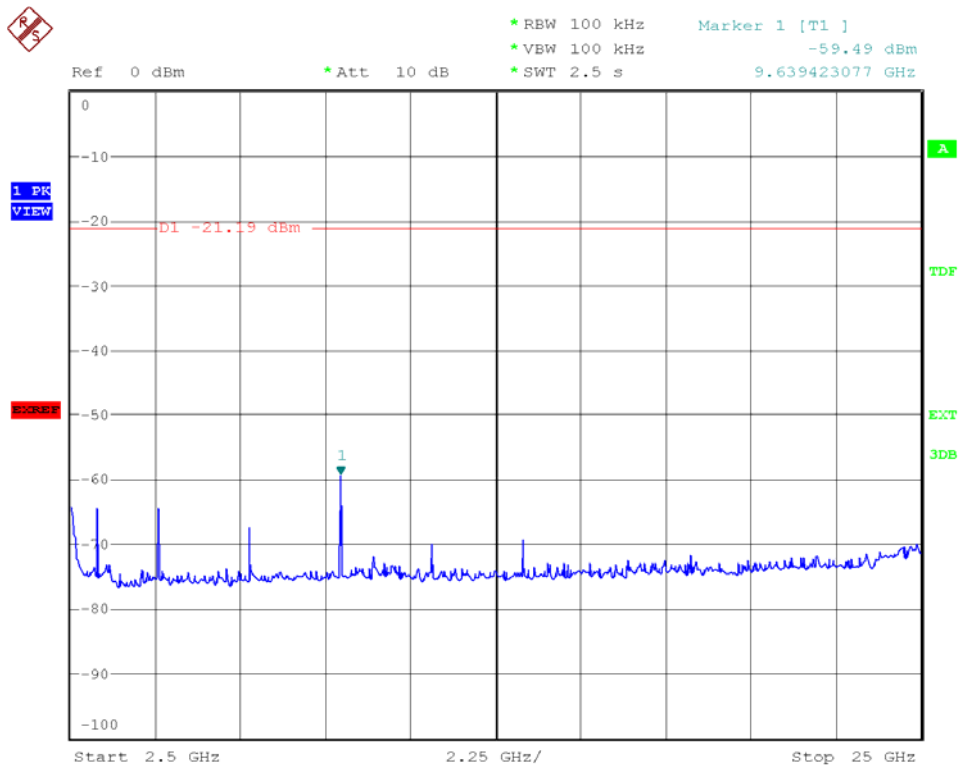
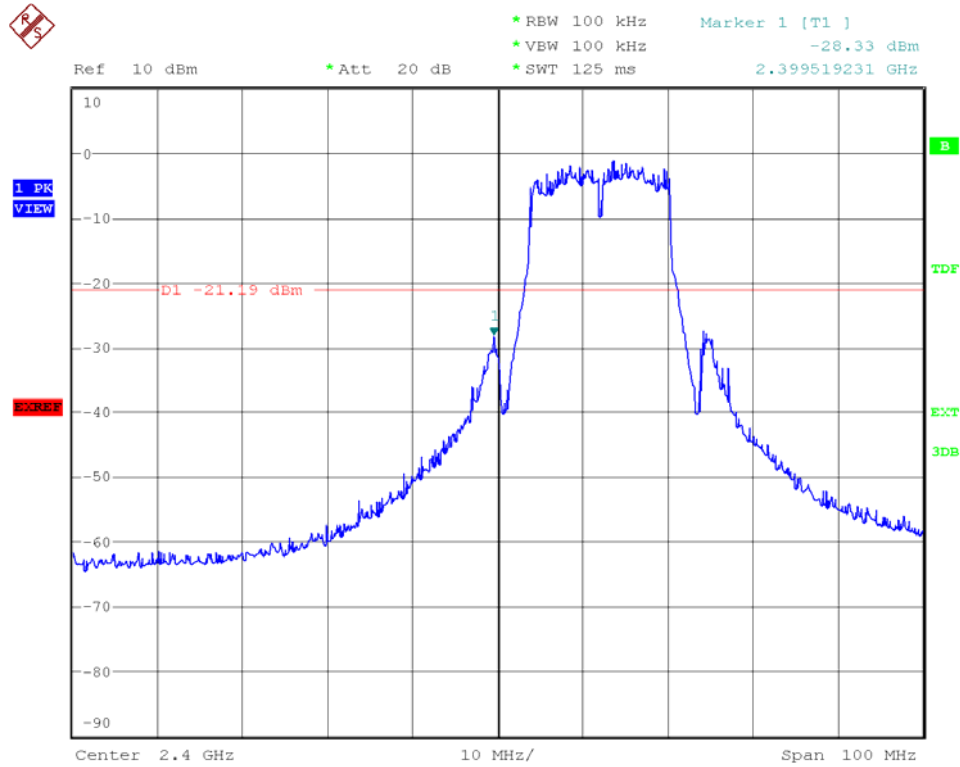


Modulation Standard: 802.11b (11Mbps), Ant L  
Channel: 11



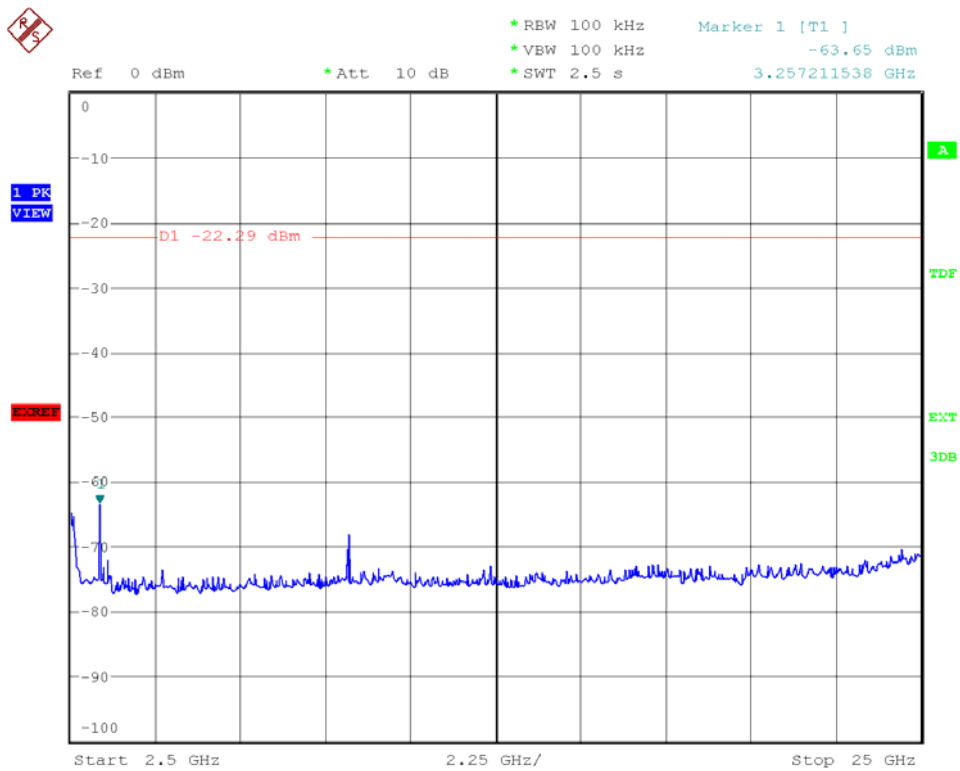
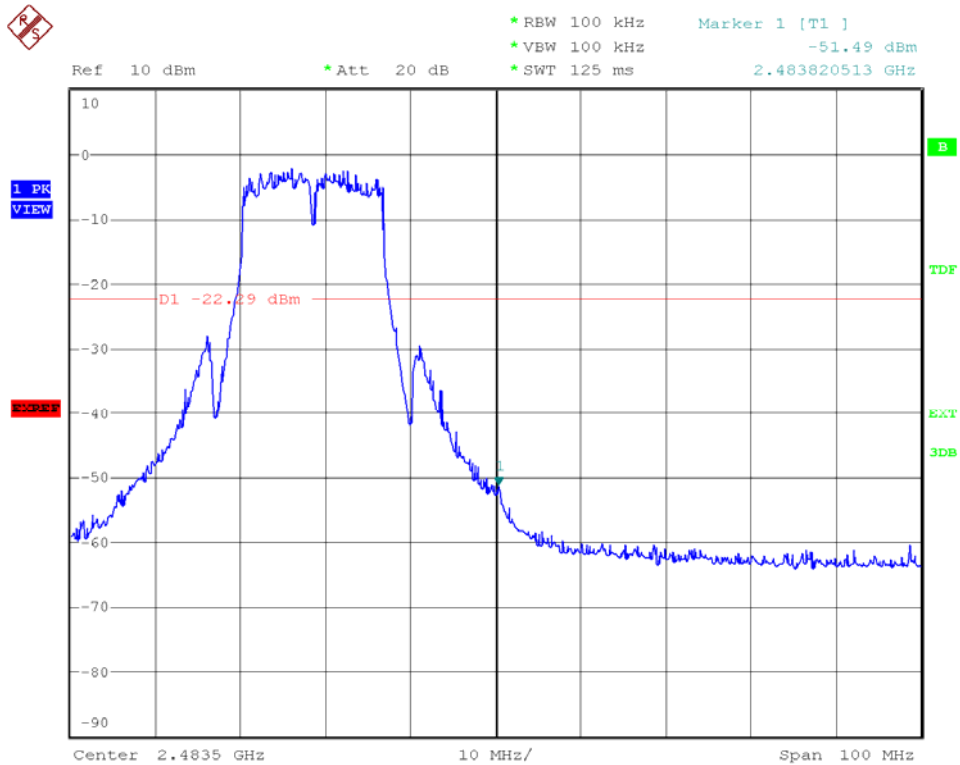


Modulation Standard: 802.11g (54Mbps), Ant R  
Channel: 01



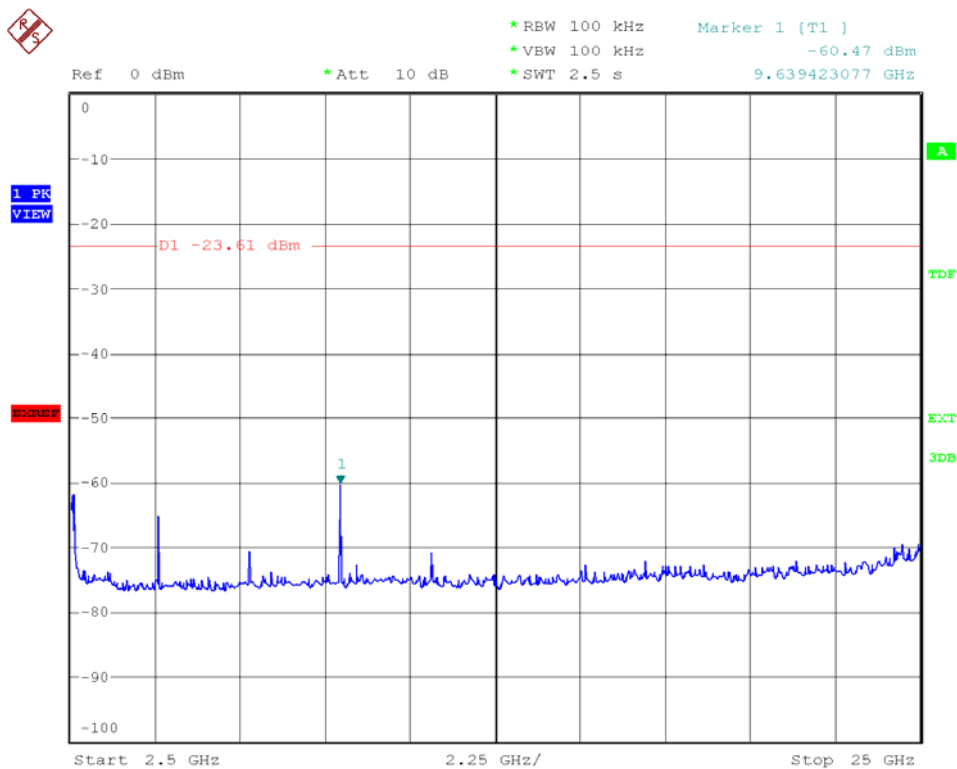
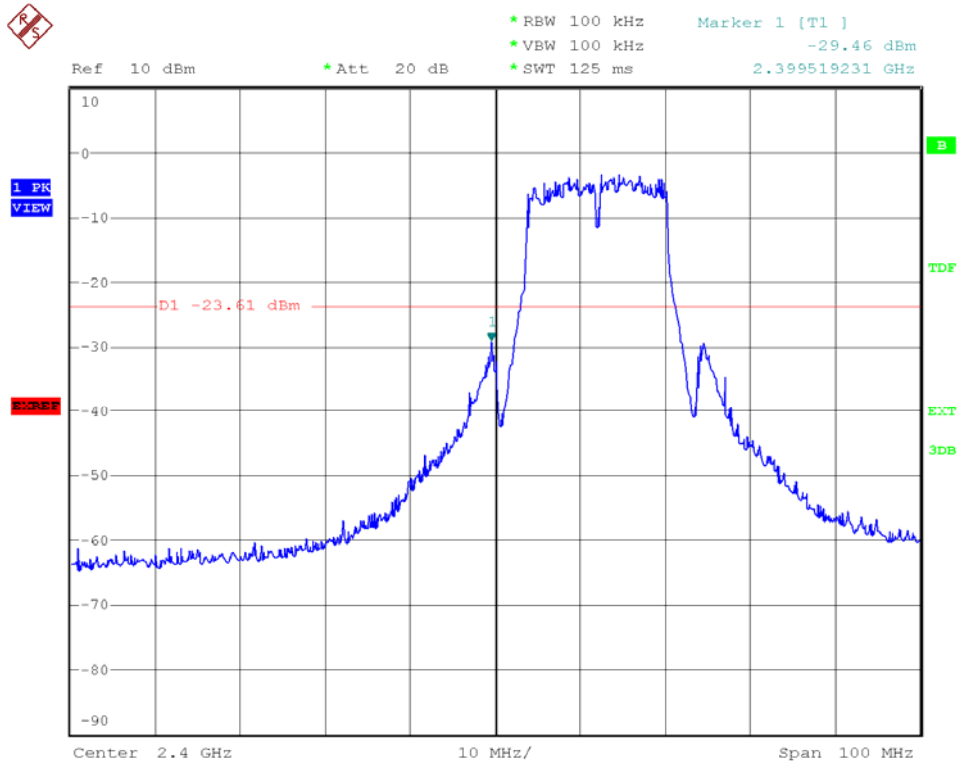


Modulation Standard: 802.11g (54Mbps), Ant R  
Channel: 11



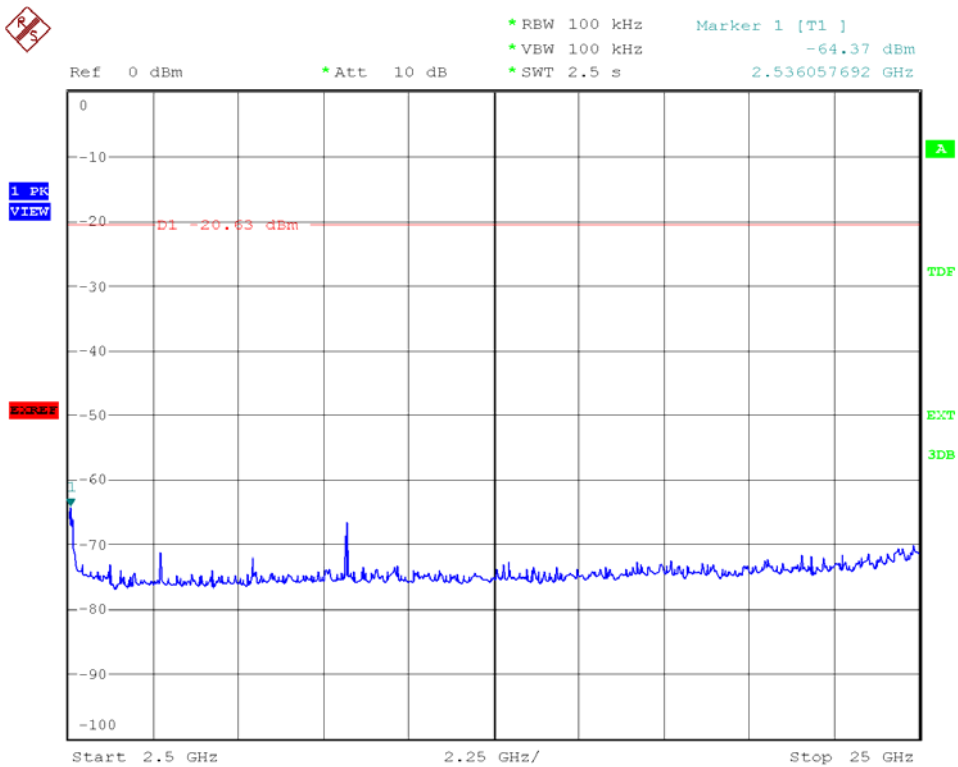
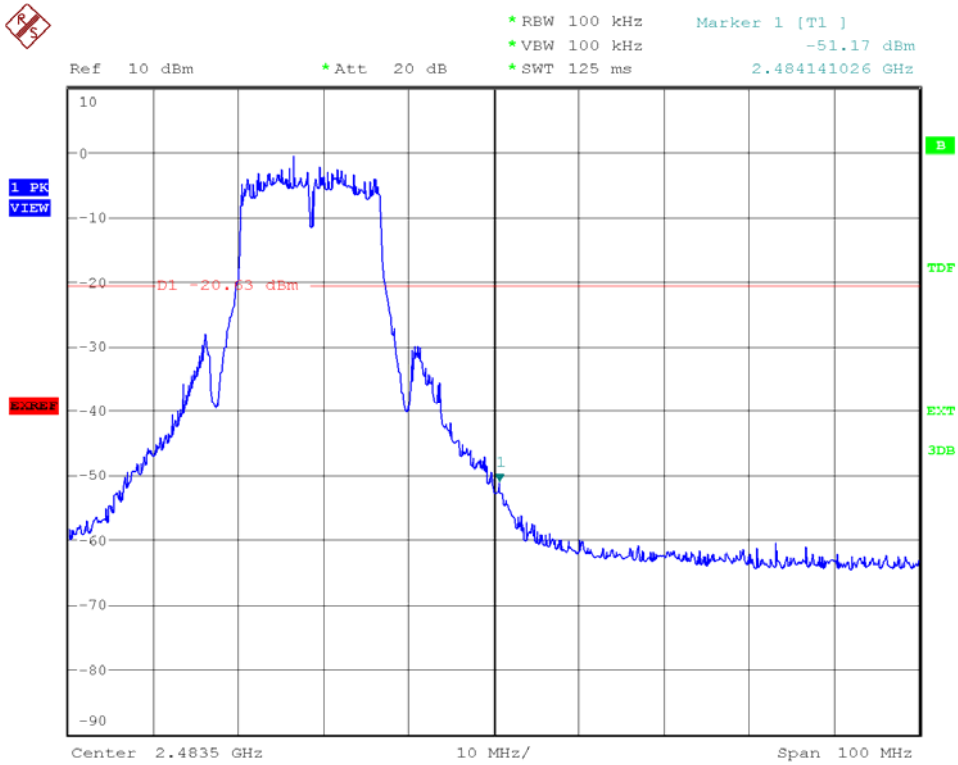


Modulation Standard: 802.11g (54Mbps), Ant L  
Channel: 01



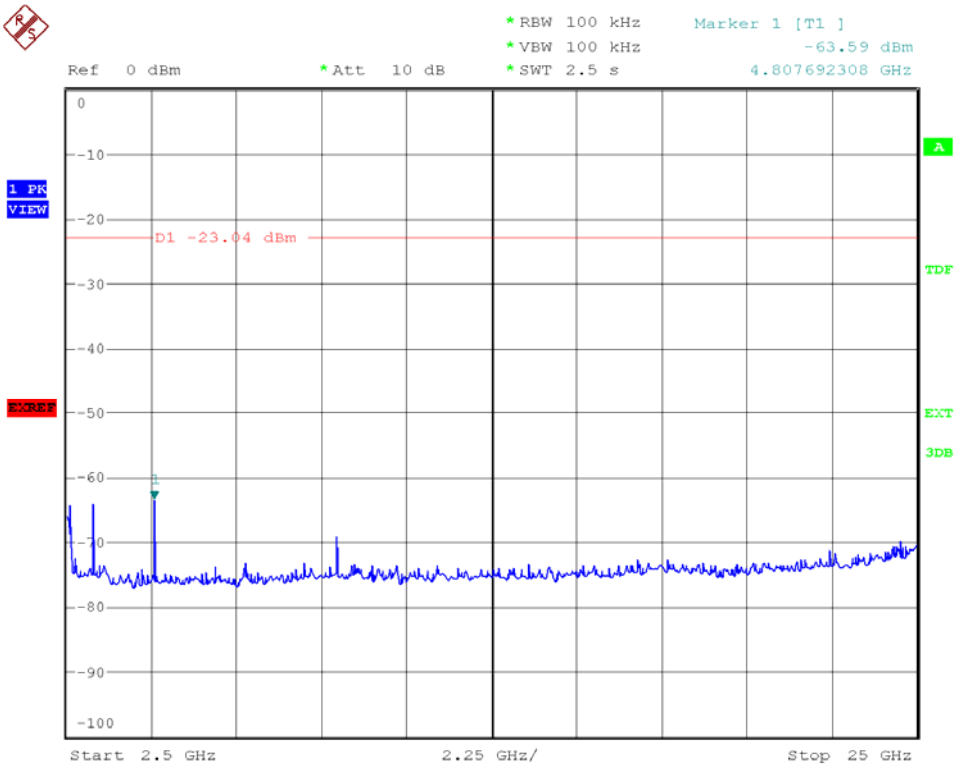
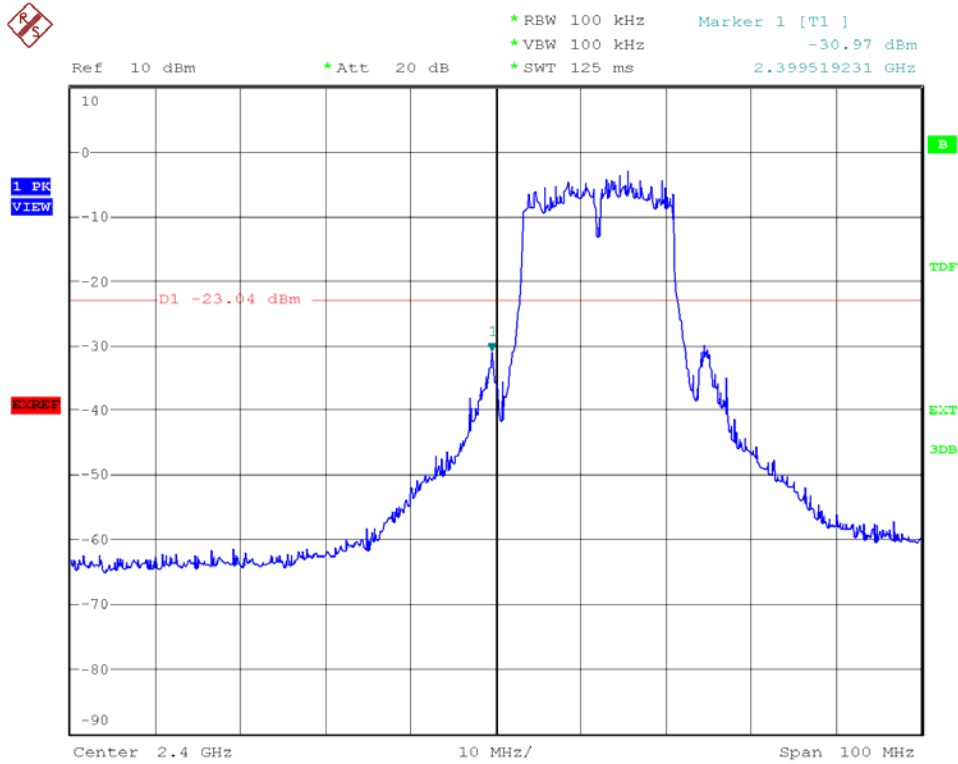


Modulation Standard: 802.11g (54Mbps), Ant L  
Channel: 11



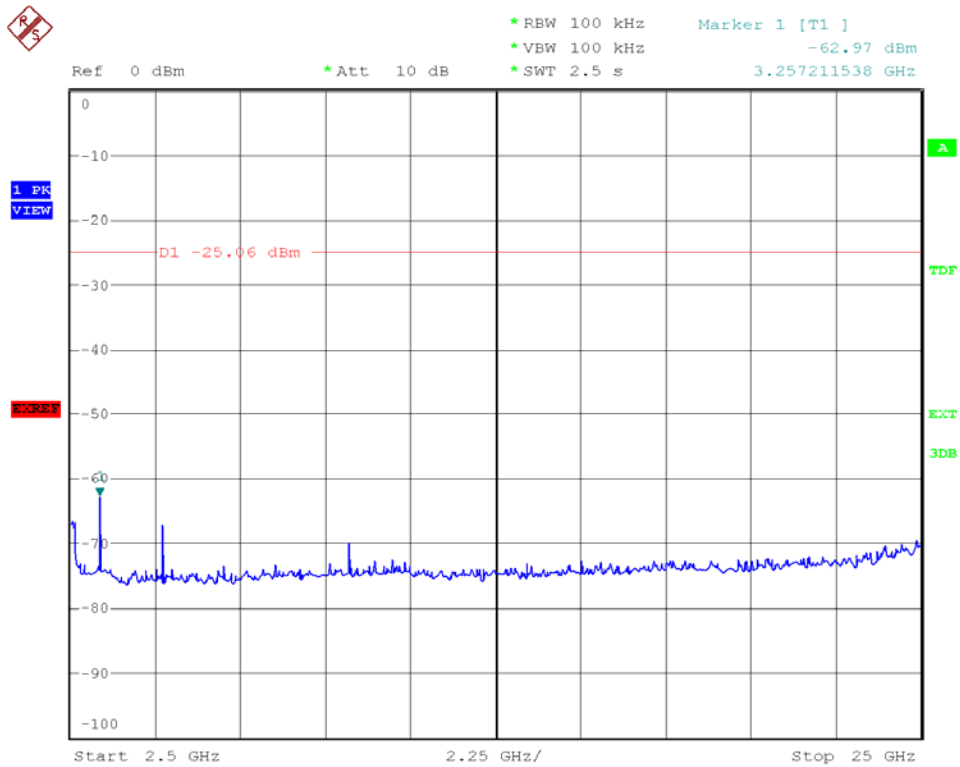
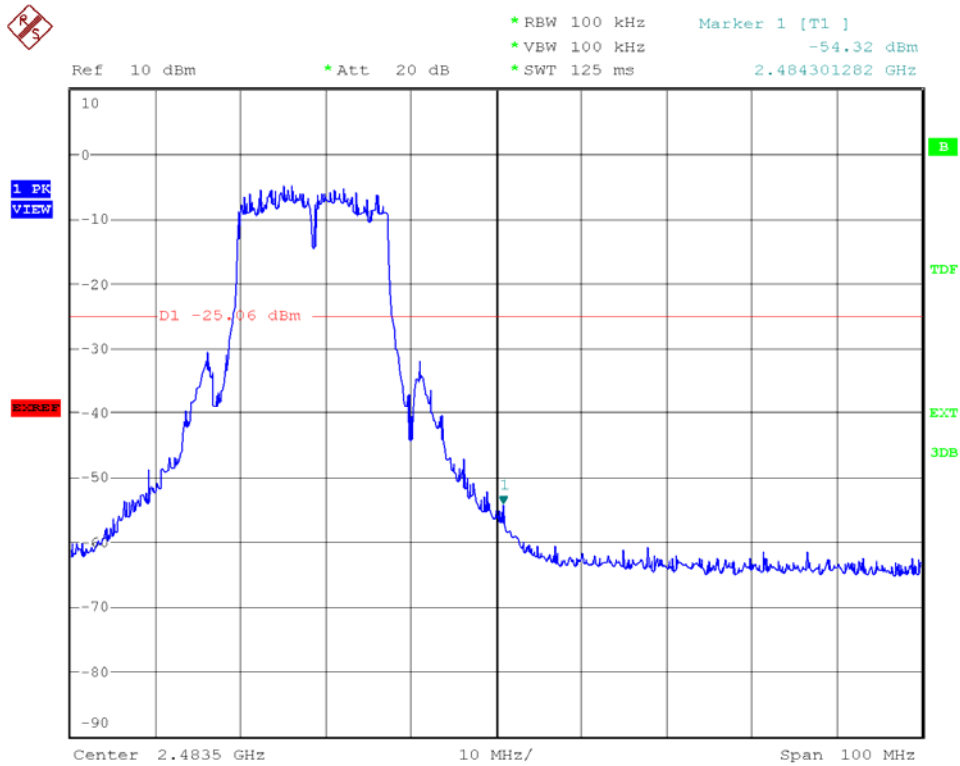


Modulation Standard: 802.11n HT20 (130Mbps), Ant R  
Channel: 01



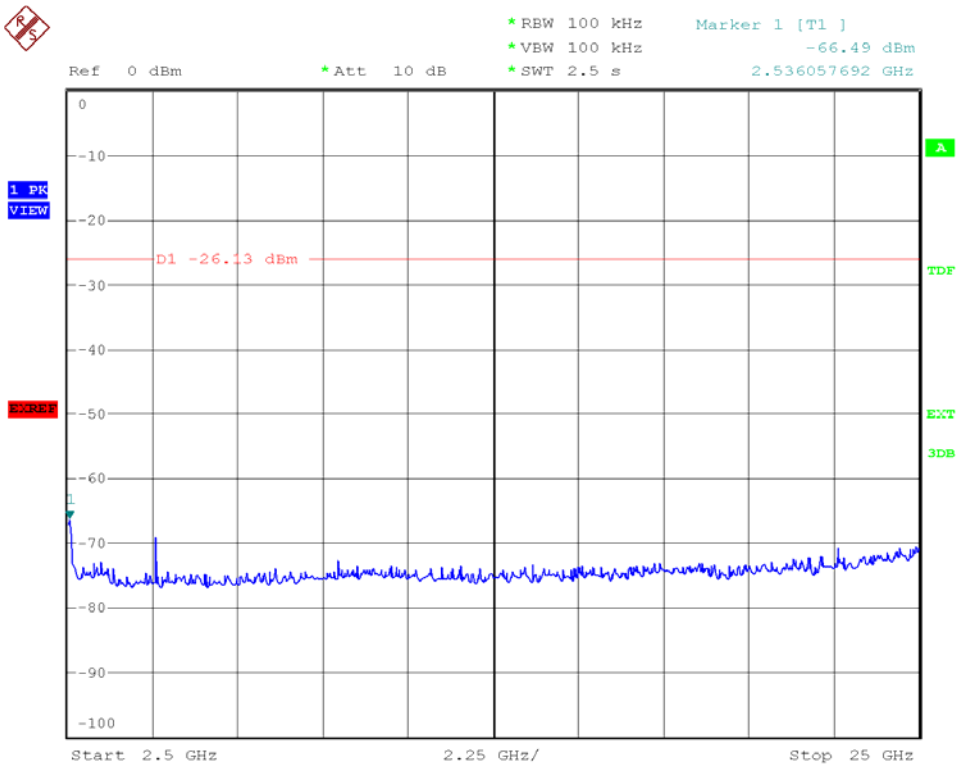
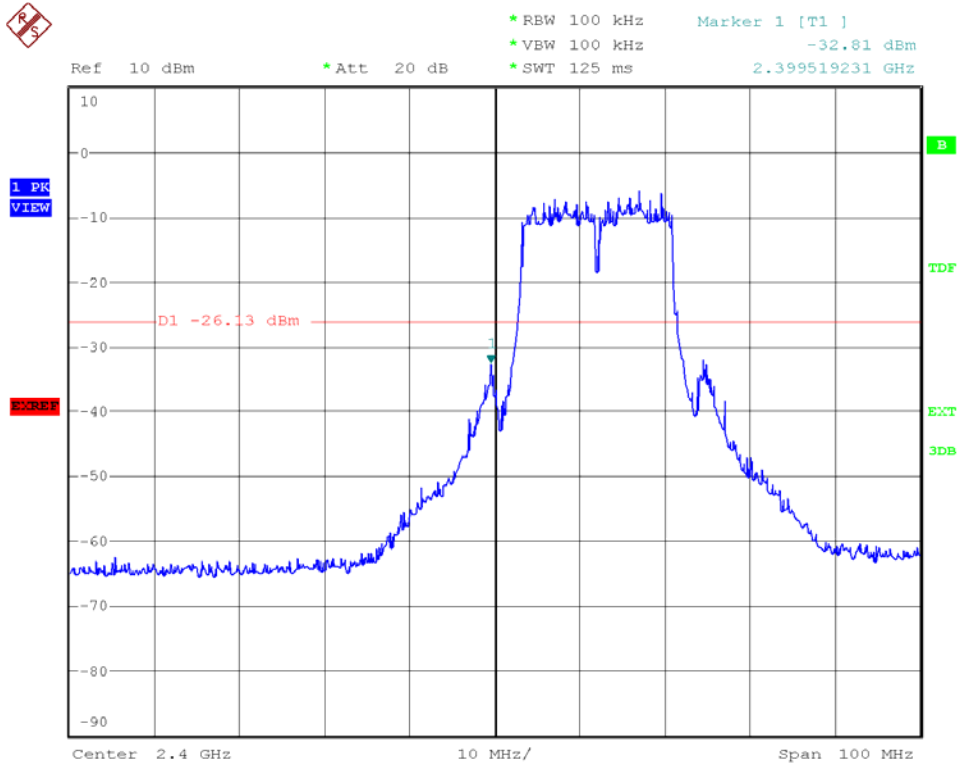


Modulation Standard: 802.11n HT20 (130Mbps), Ant R  
Channel: 11





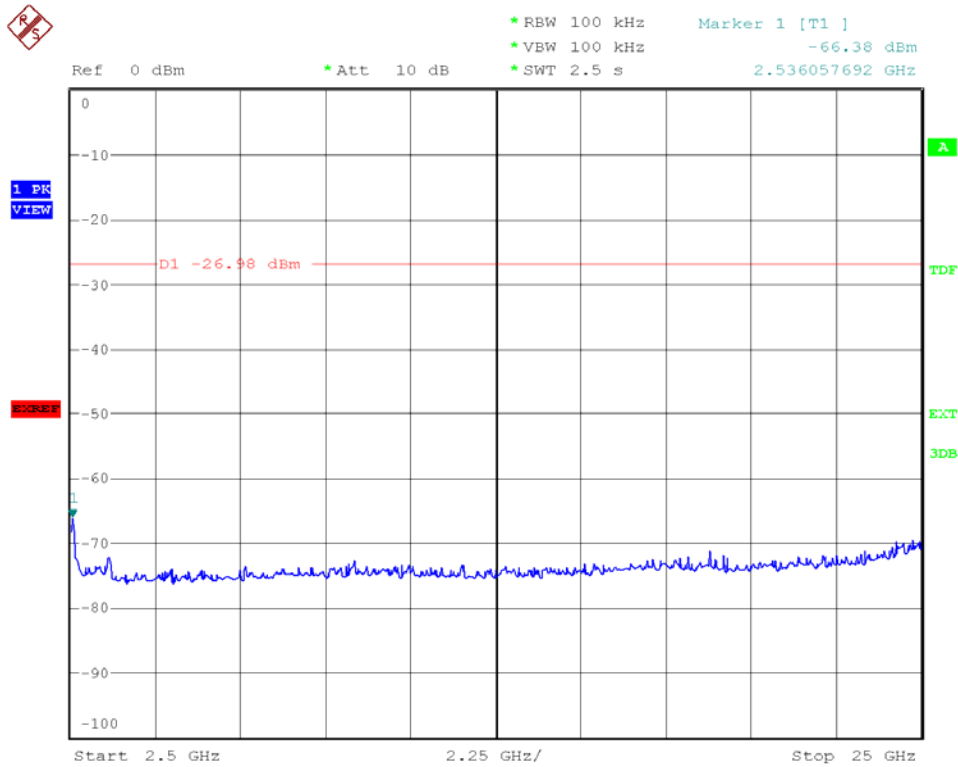
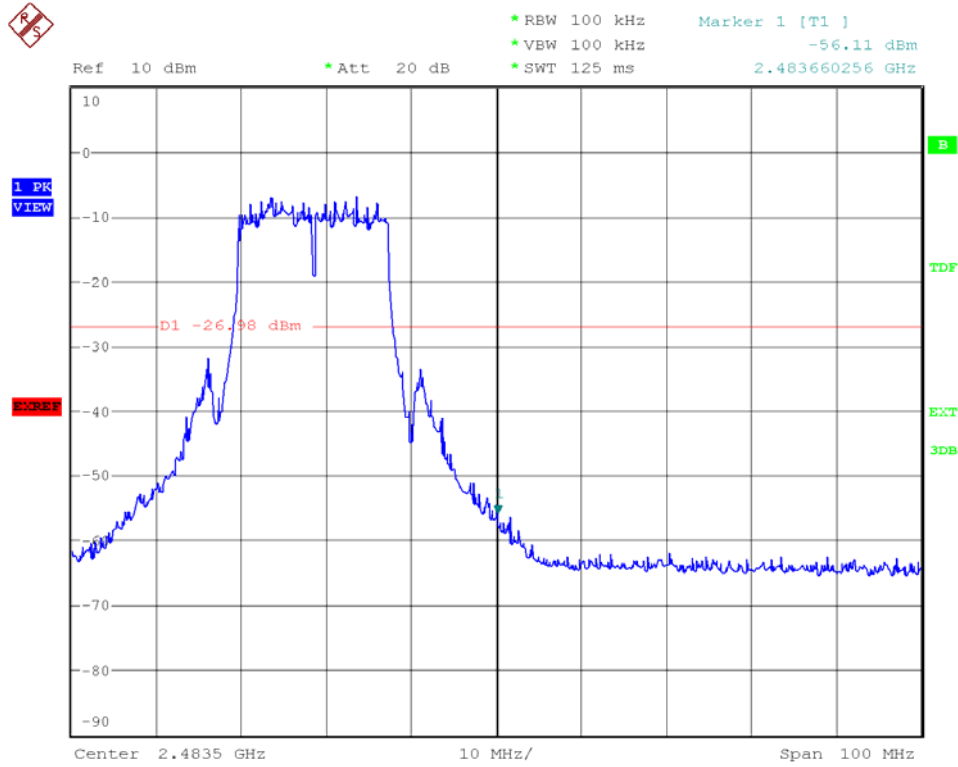
Modulation Standard: 802.11n HT20 (130Mbps), Ant L  
Channel: 01





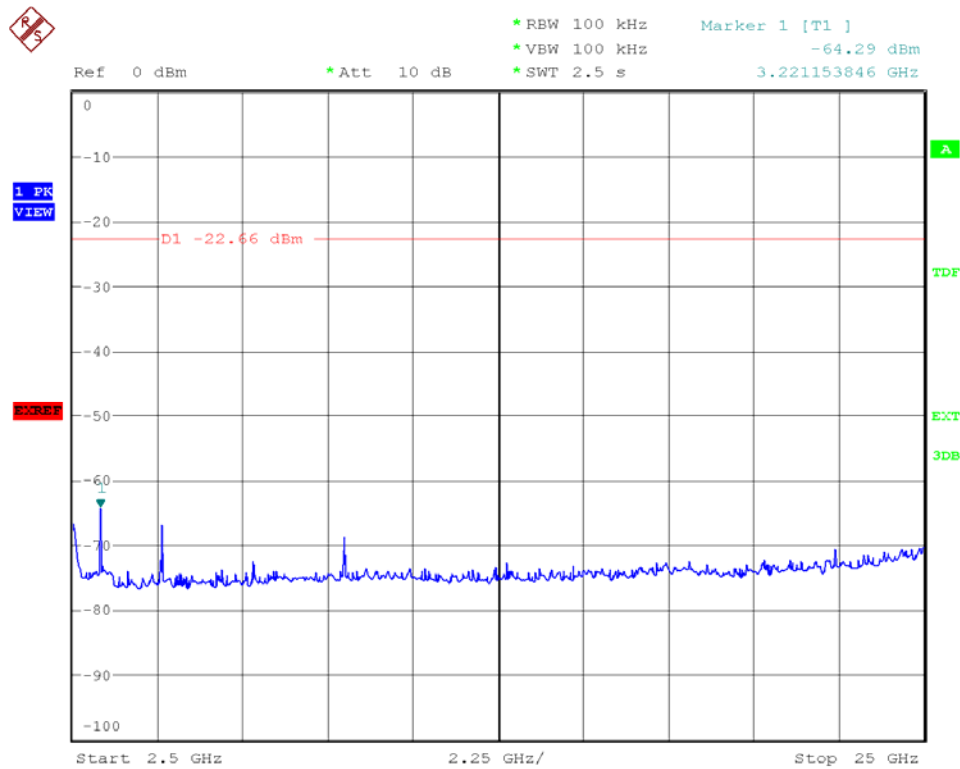
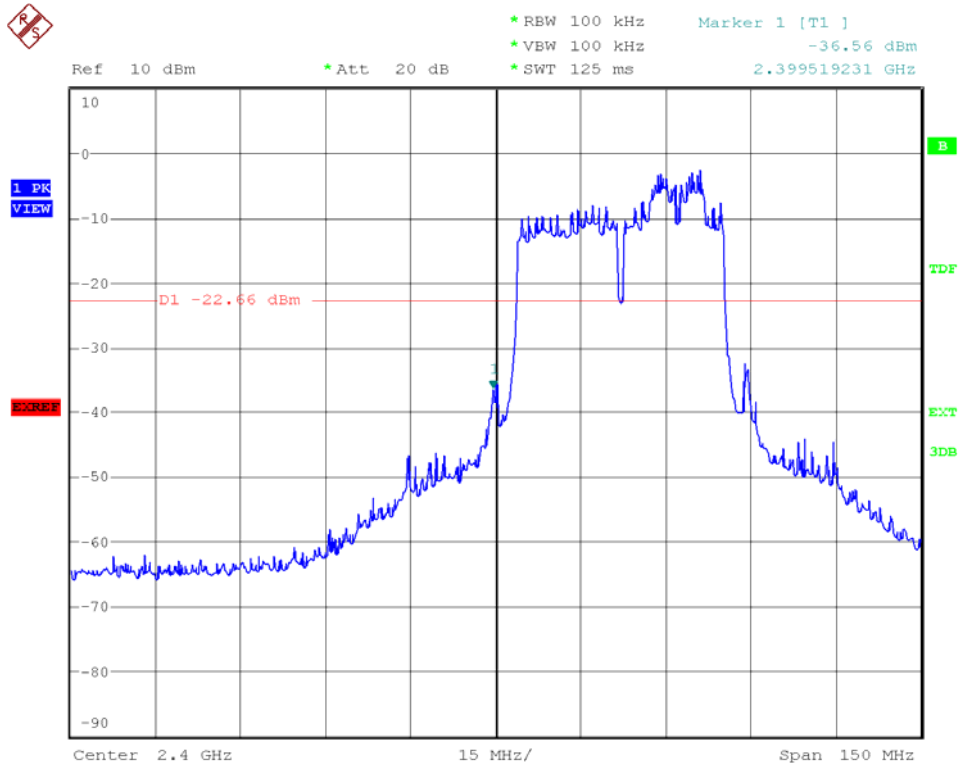


Modulation Standard: 802.11n HT20 (130Mbps), Ant L  
Channel: 11



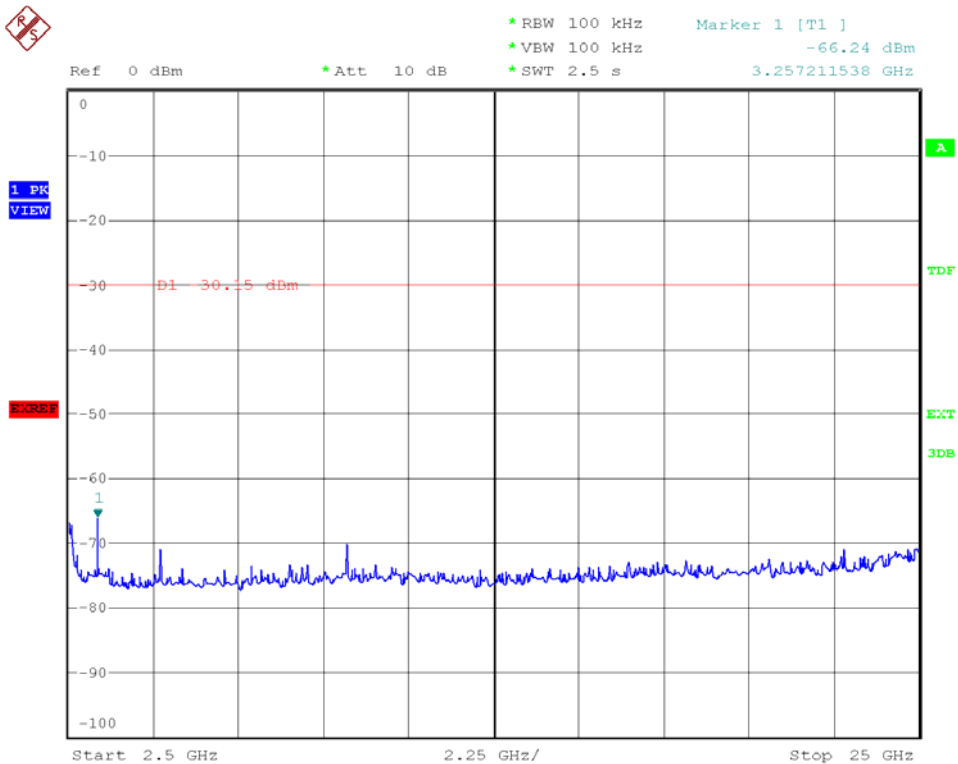
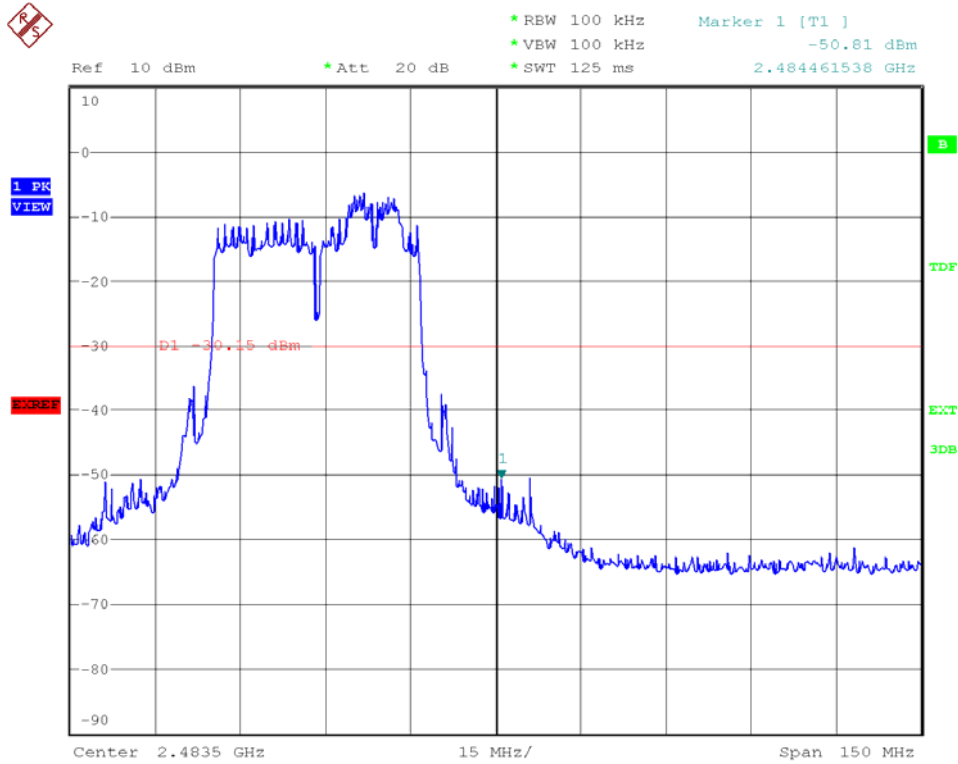


Modulation Standard: 802.11n HT40 (270Mbps), Ant R  
Channel: 03



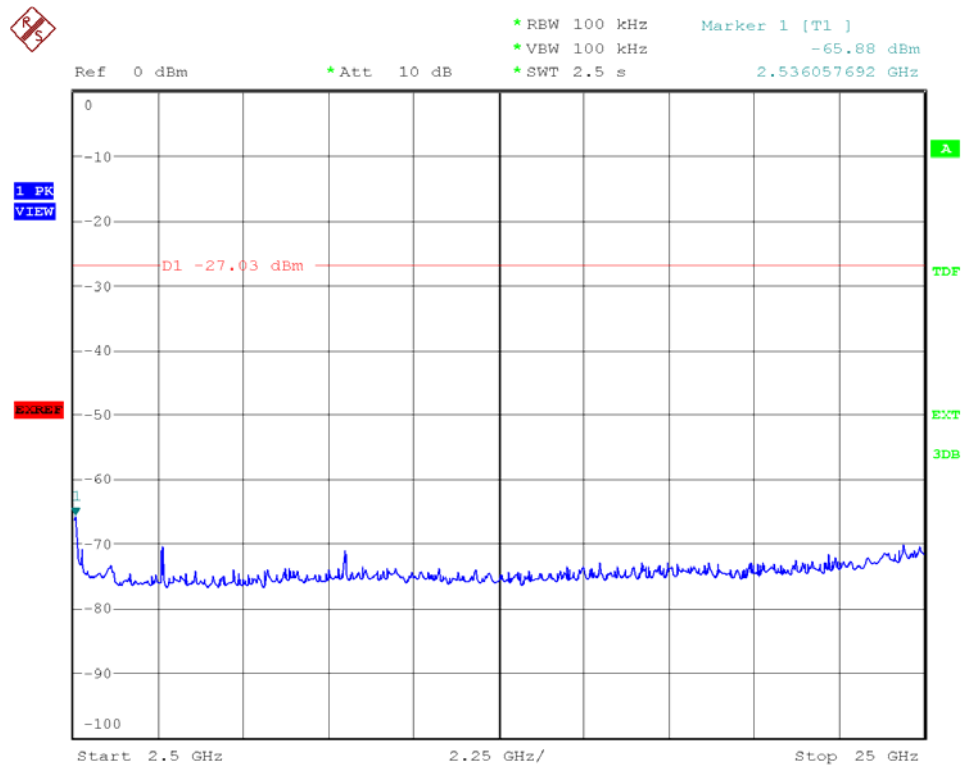
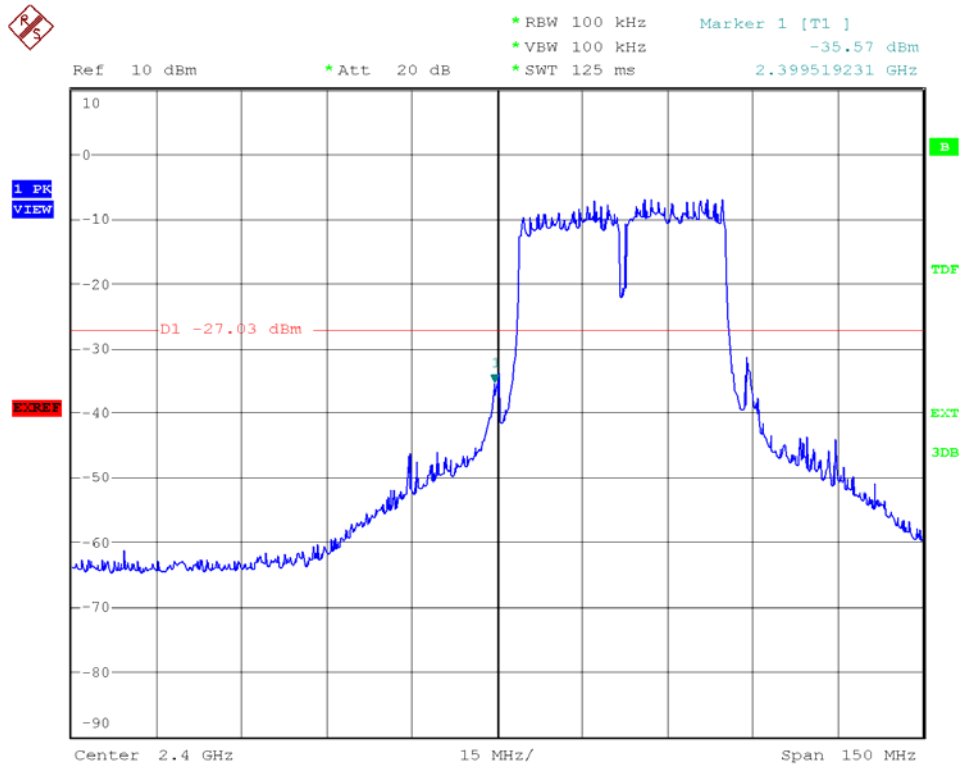


Modulation Standard: 802.11n HT40 (270Mbps), Ant R  
Channel: 09



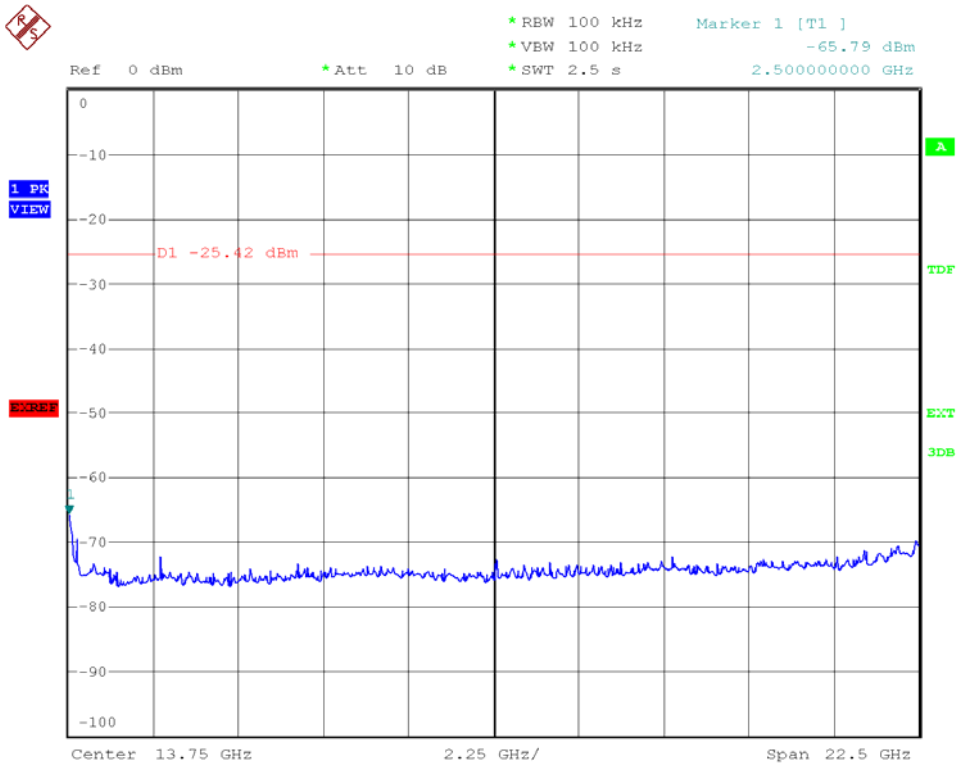
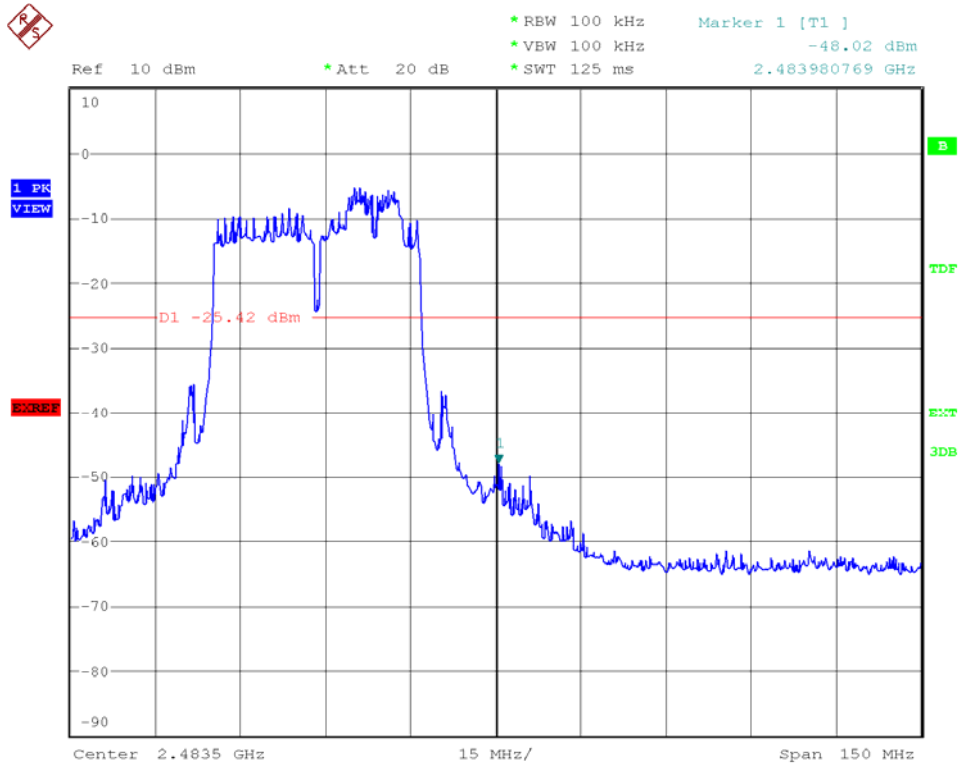


Modulation Standard: 802.11n HT40 (270Mbps), Ant L  
Channel: 03



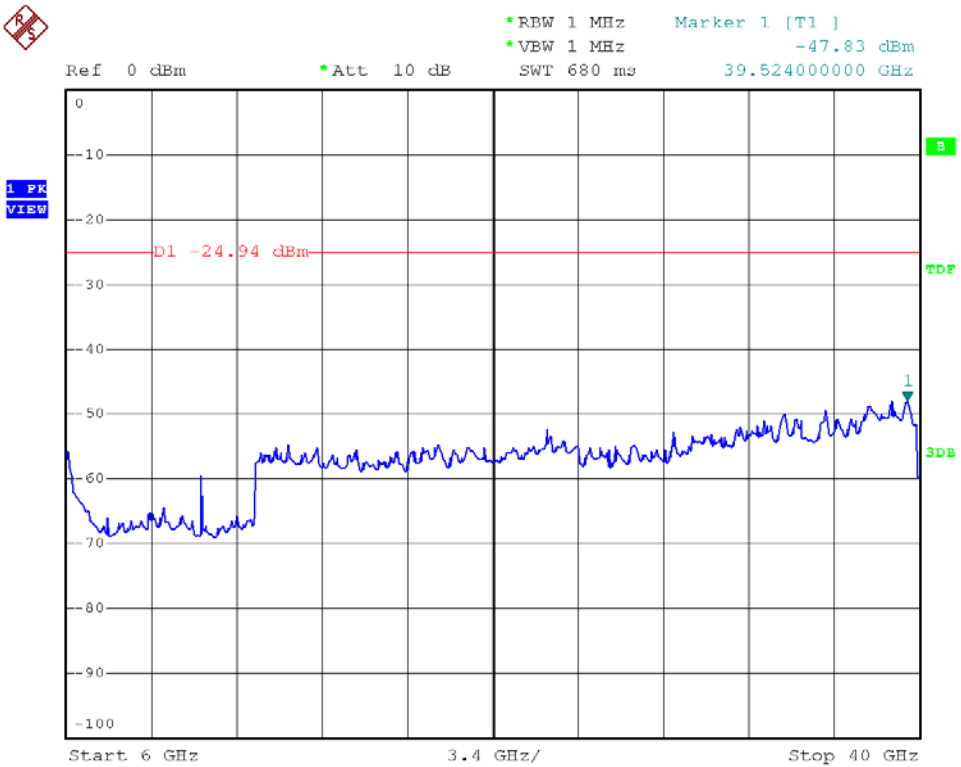
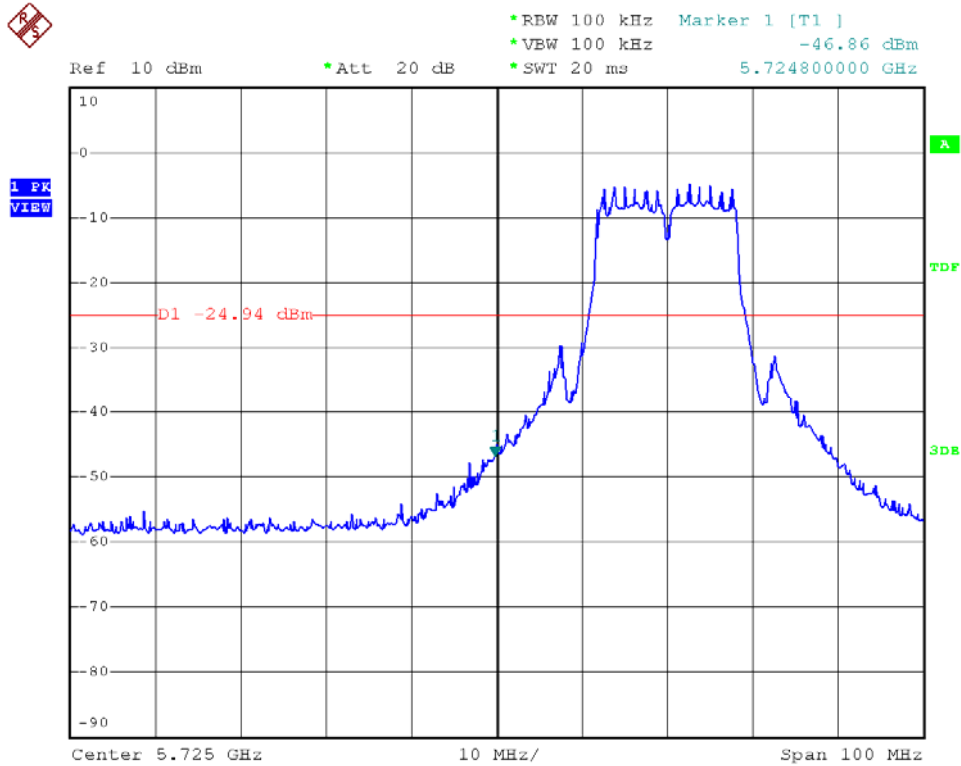


Modulation Standard: 802.11n HT40 (270Mbps), Ant L  
Channel: 09



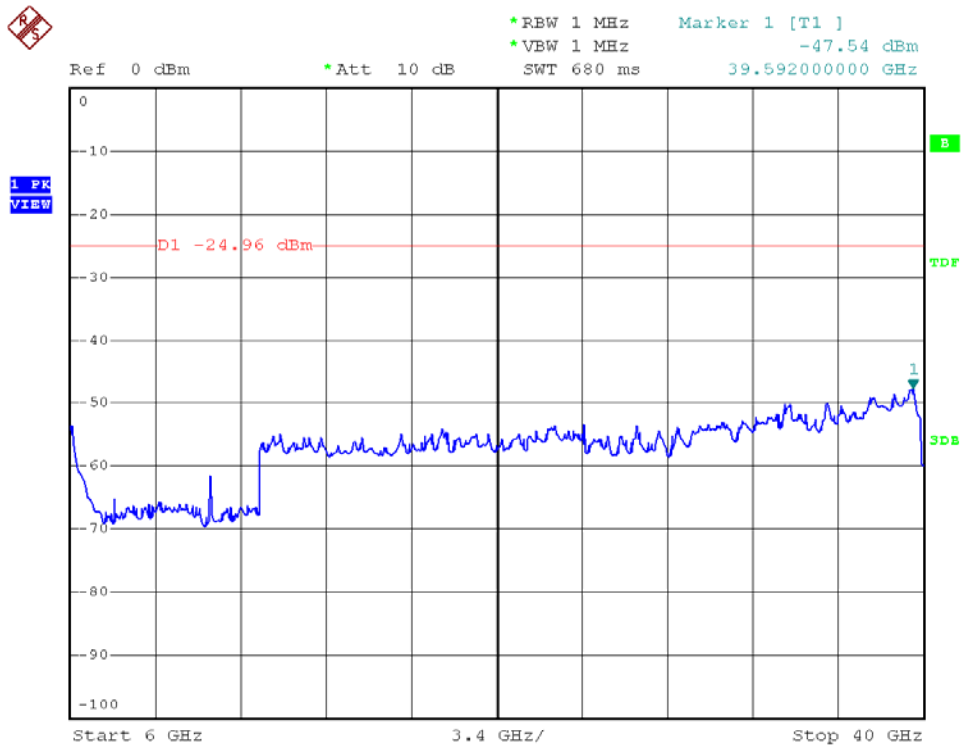
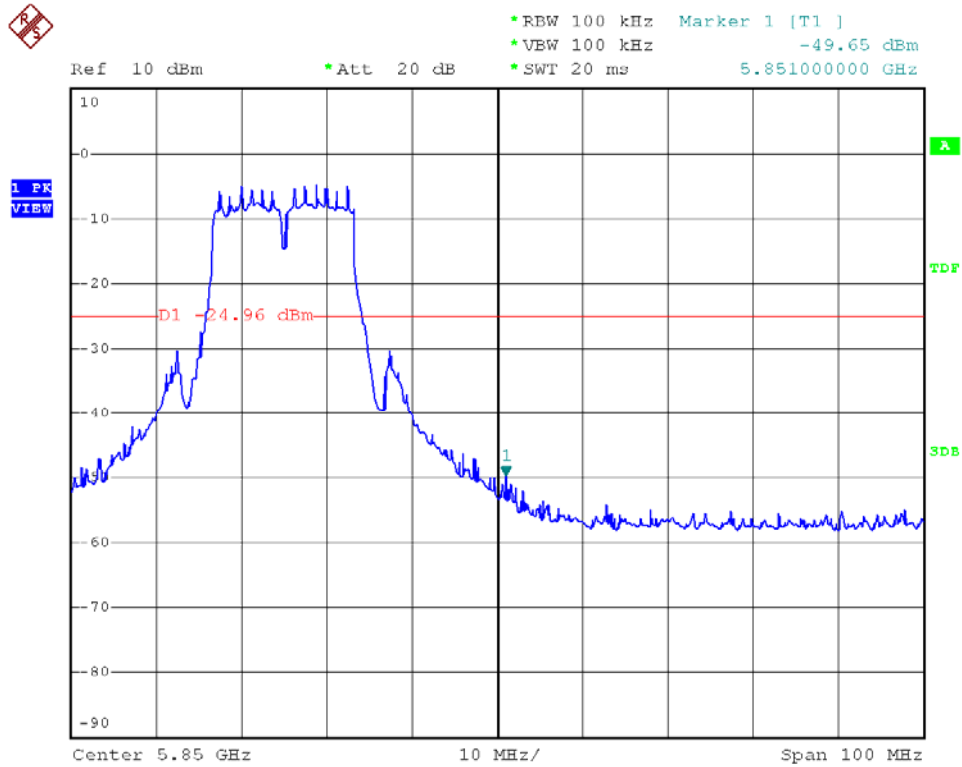


Modulation Standard: 802.11a (6Mbps), Ant R  
Channel: 149



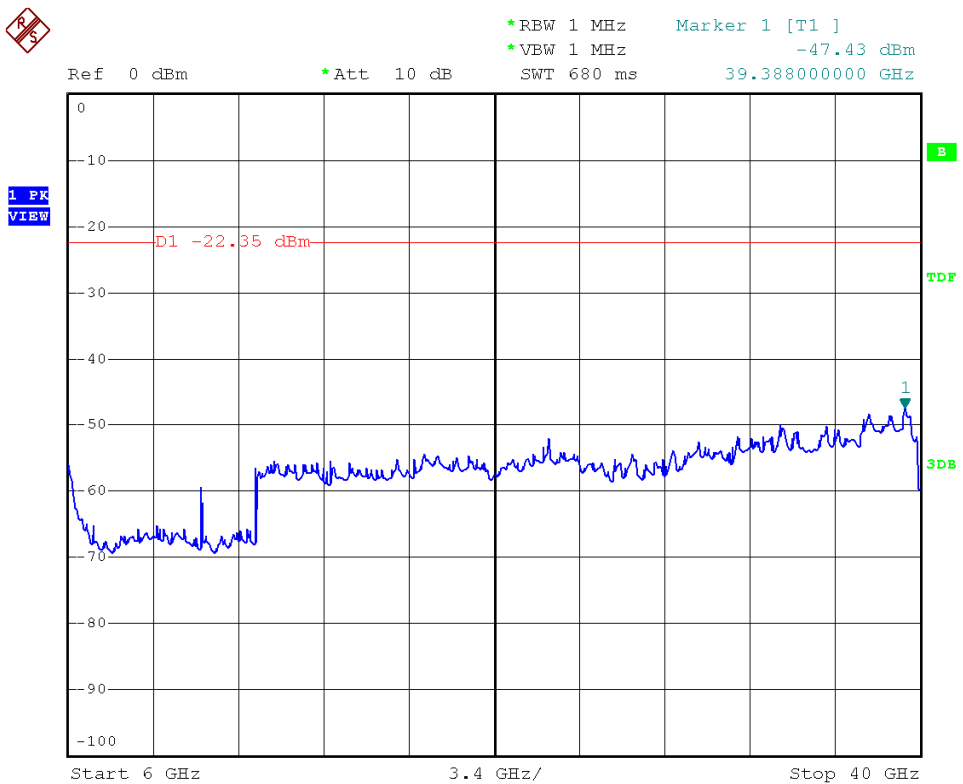
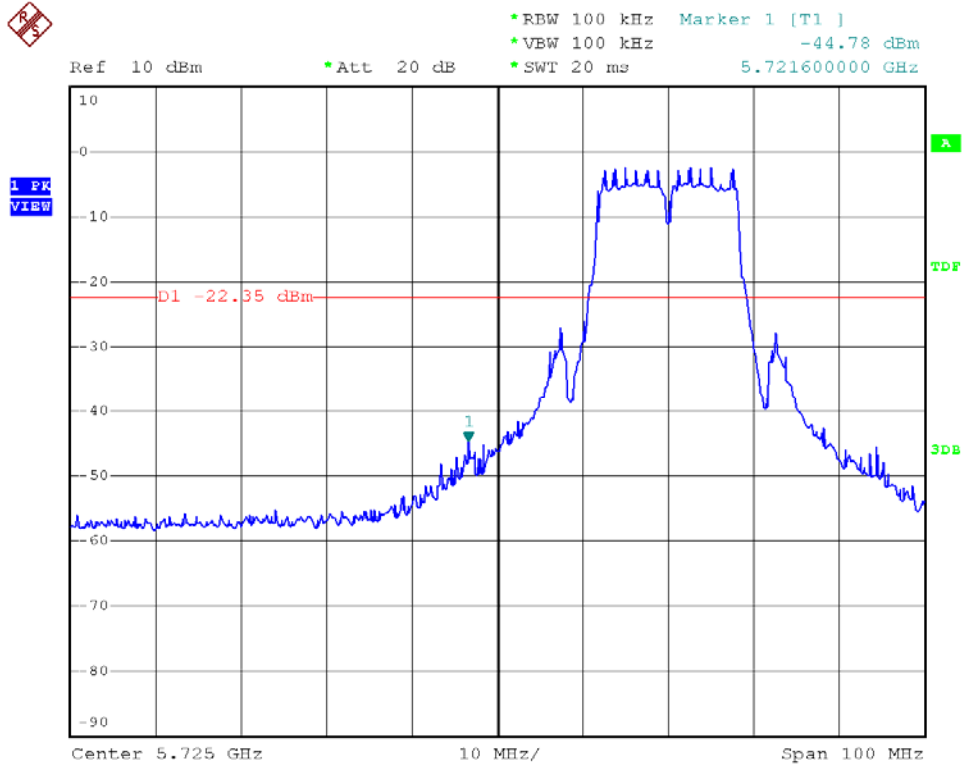


Modulation Standard: 802.11a (6Mbps), Ant R  
Channel: 165





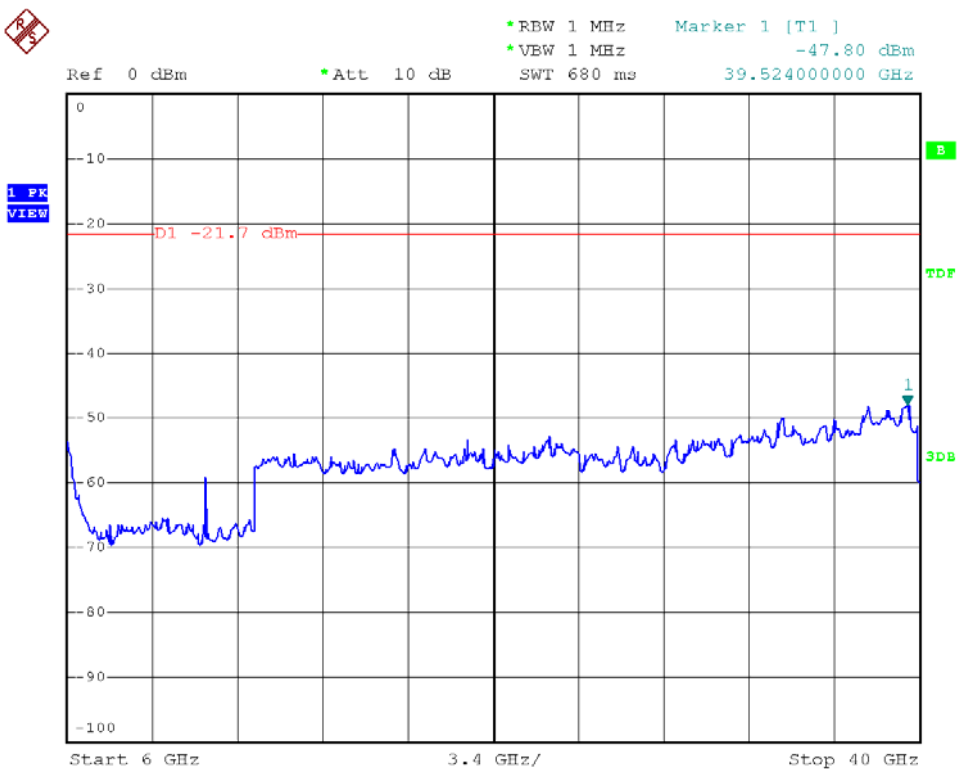
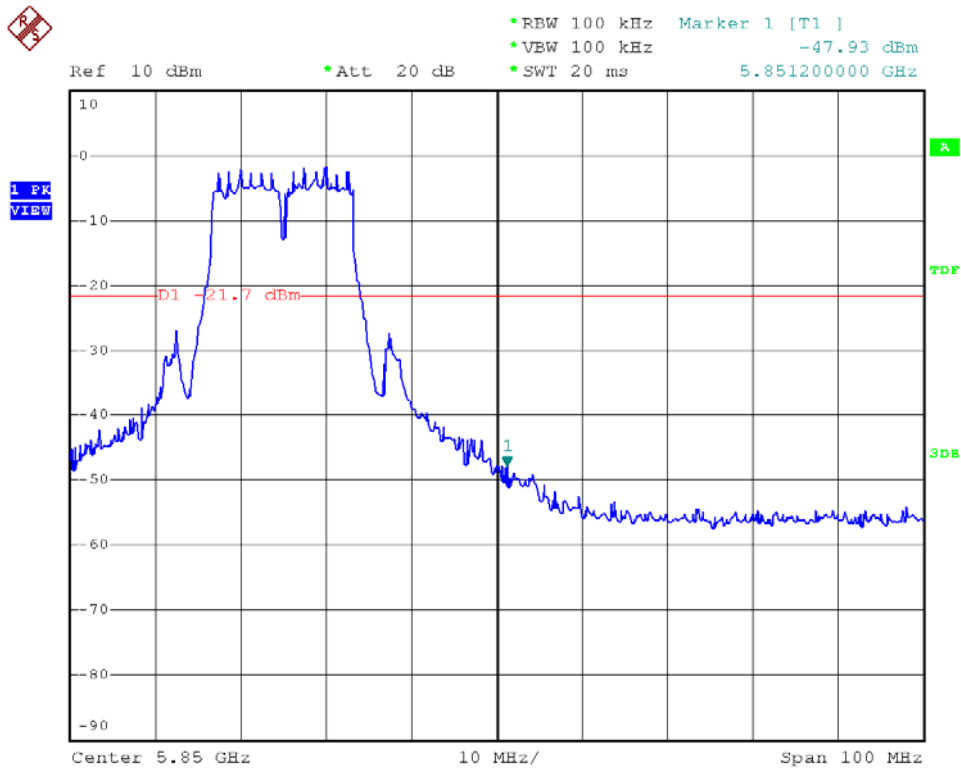
Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 149





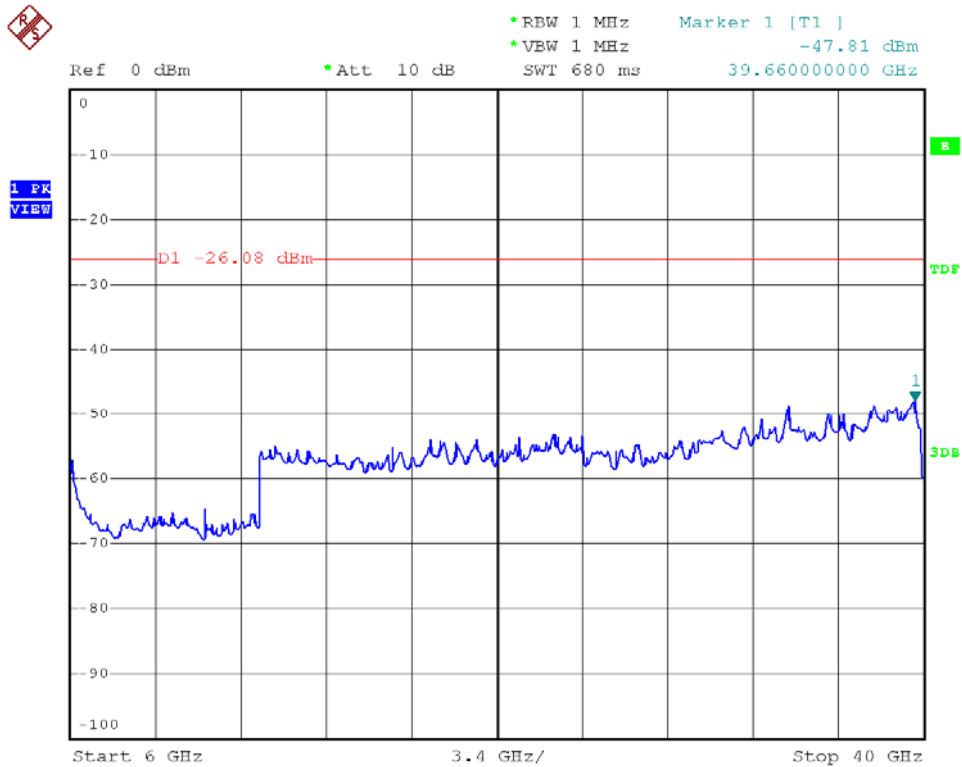
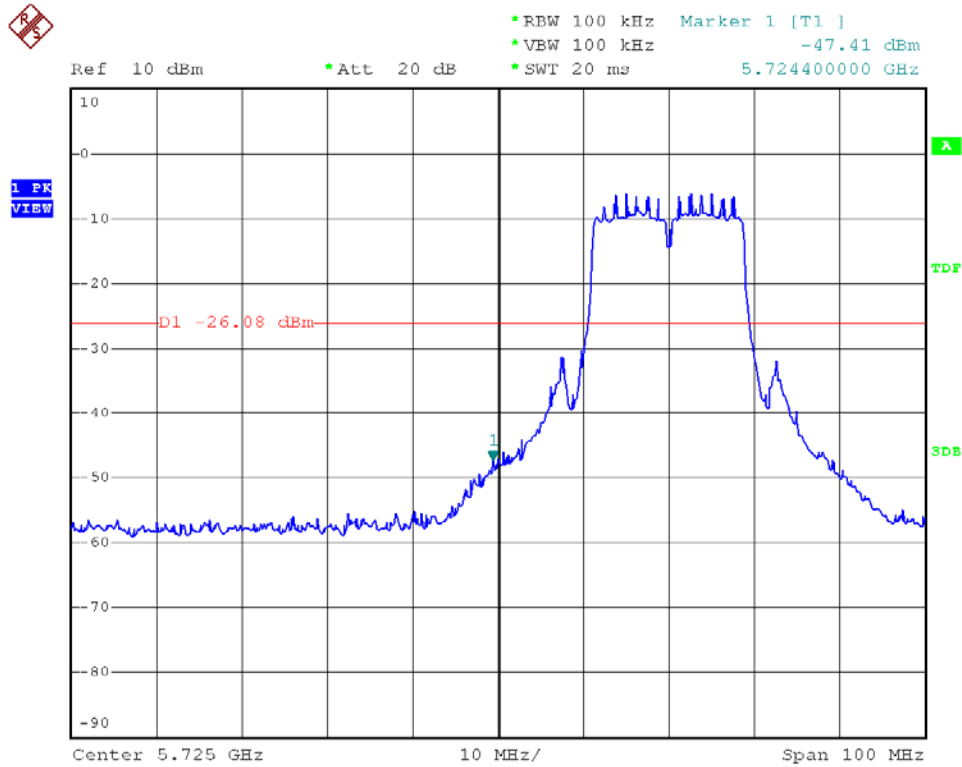


Modulation Standard: 802.11a (6Mbps), Ant L  
Channel: 165



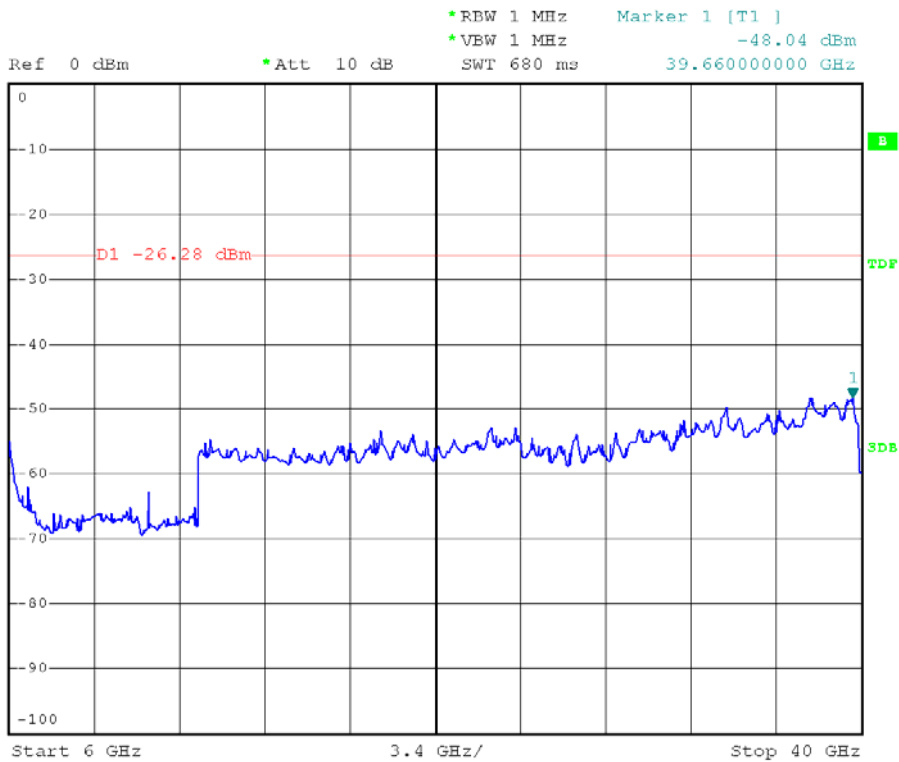
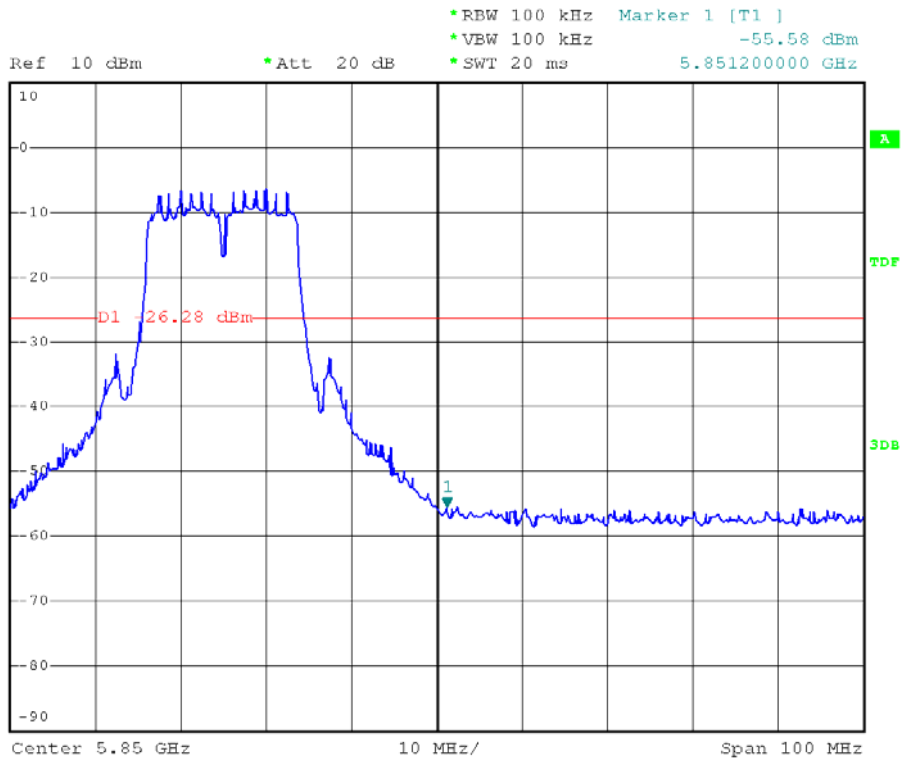


Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 149



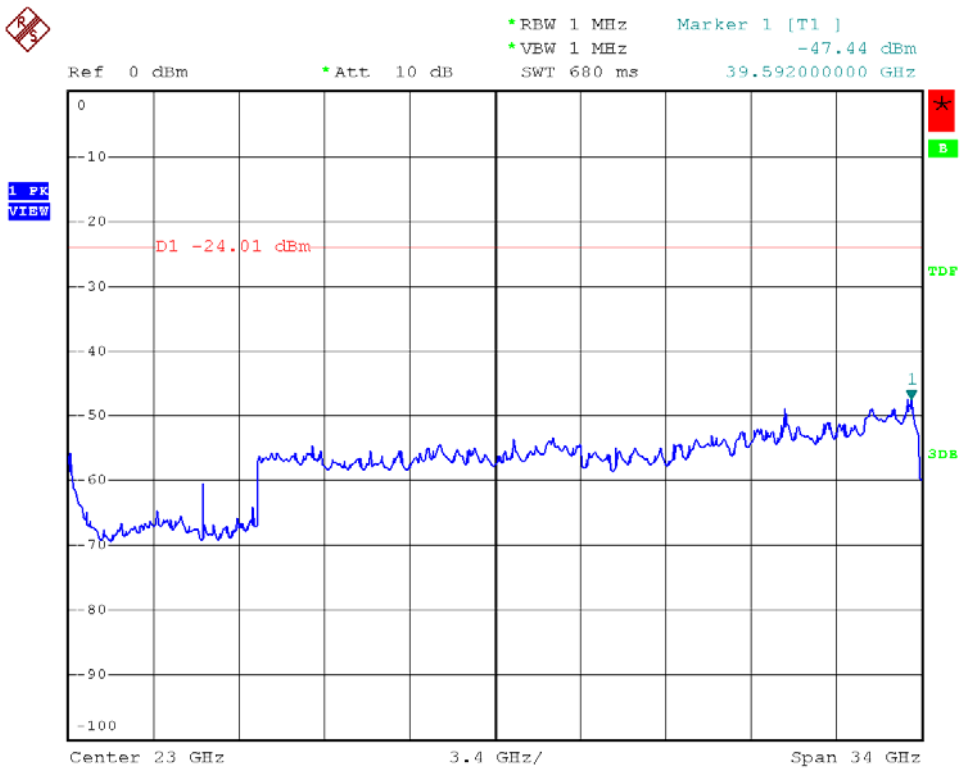
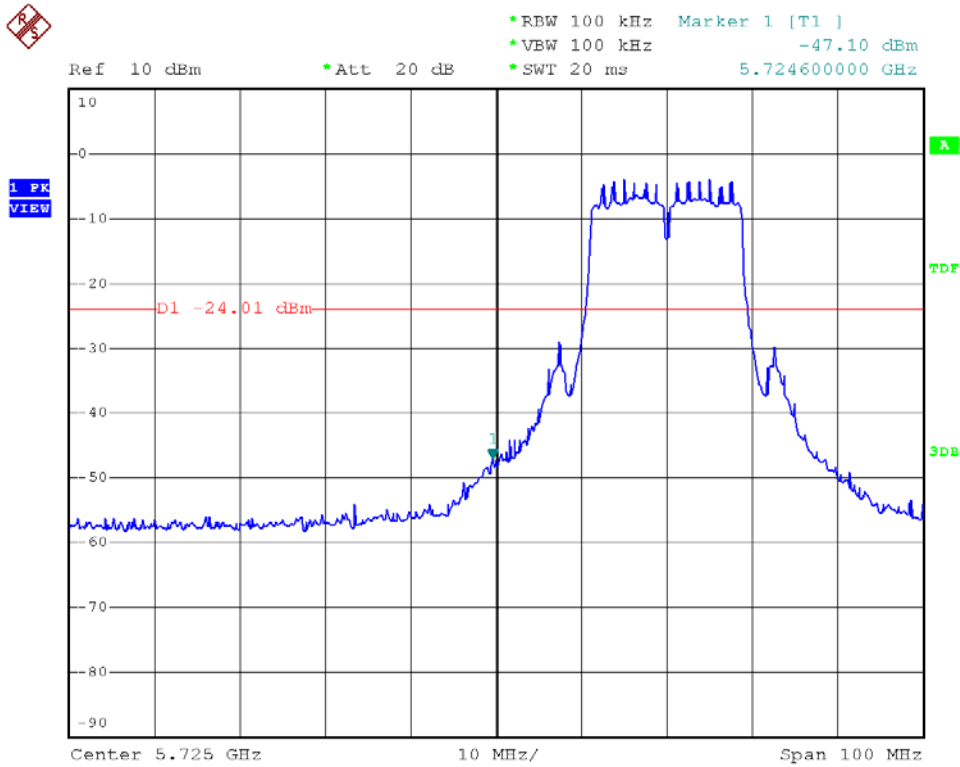


Modulation Standard: 802.11an HT20 (130Mbps), Ant R  
Channel: 165



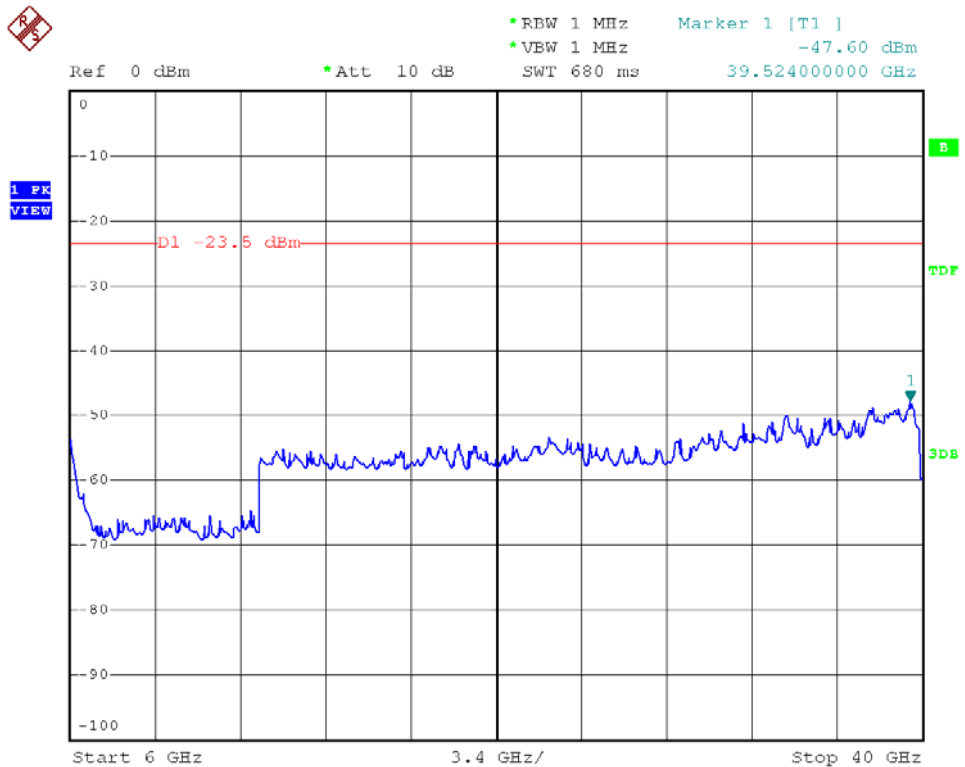
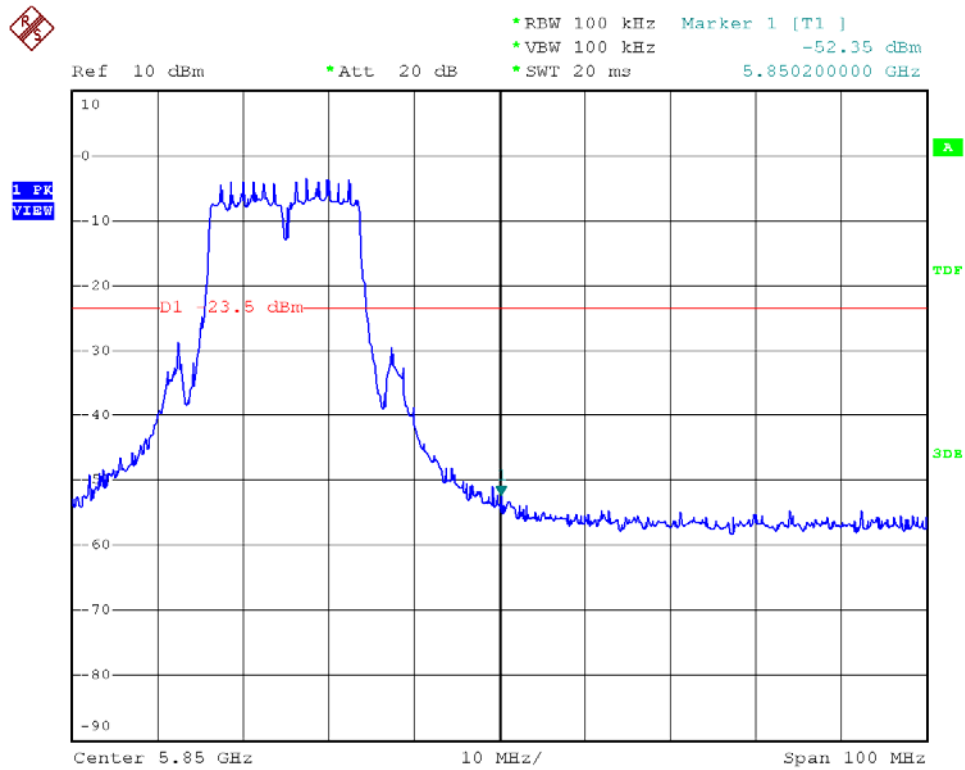


Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 149



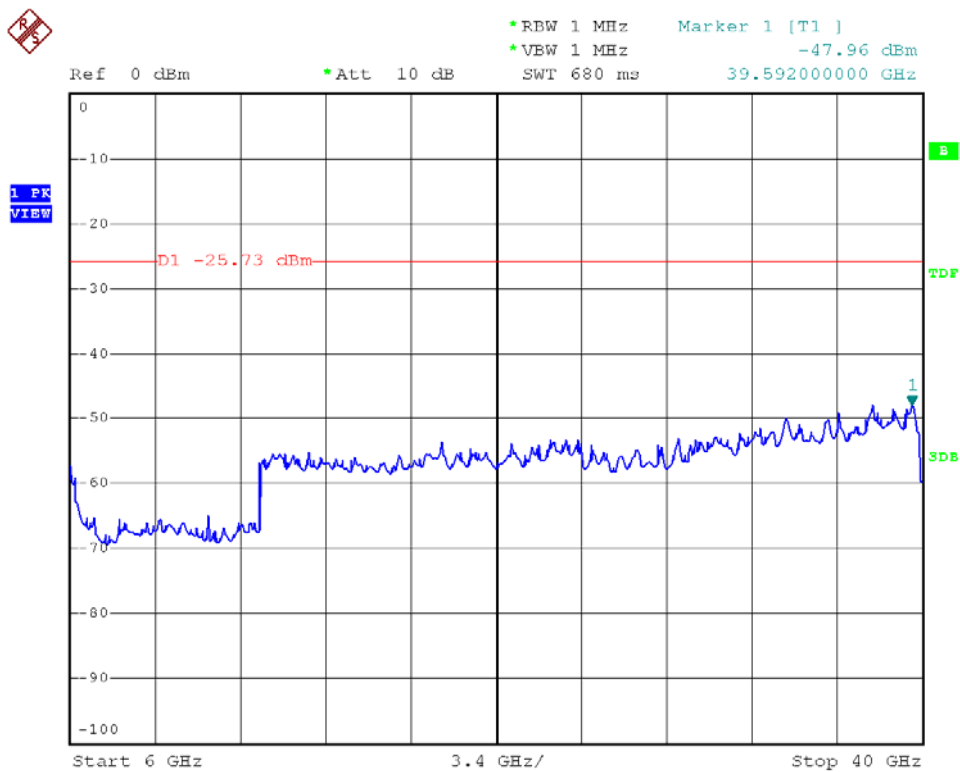
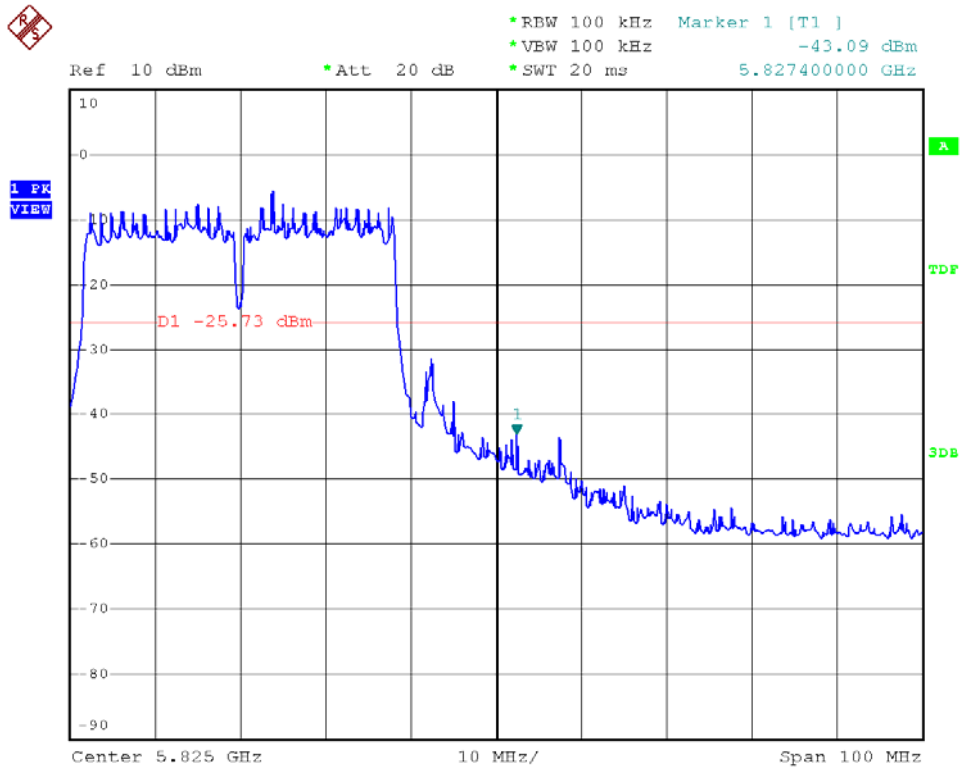


Modulation Standard: 802.11an HT20 (130Mbps), Ant L  
Channel: 165



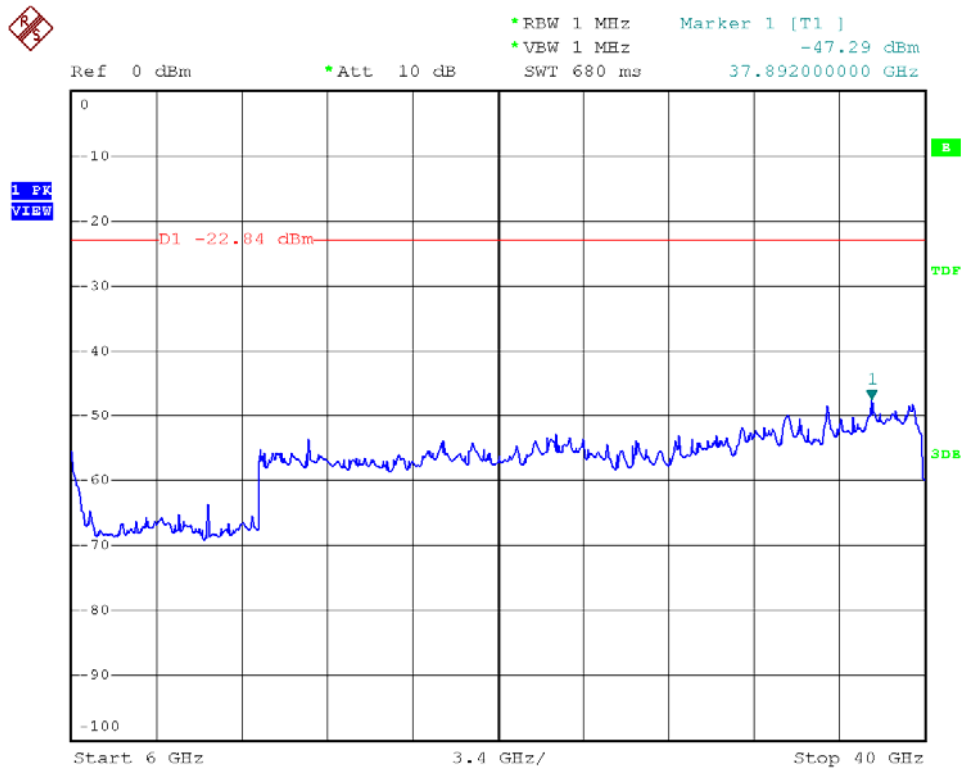
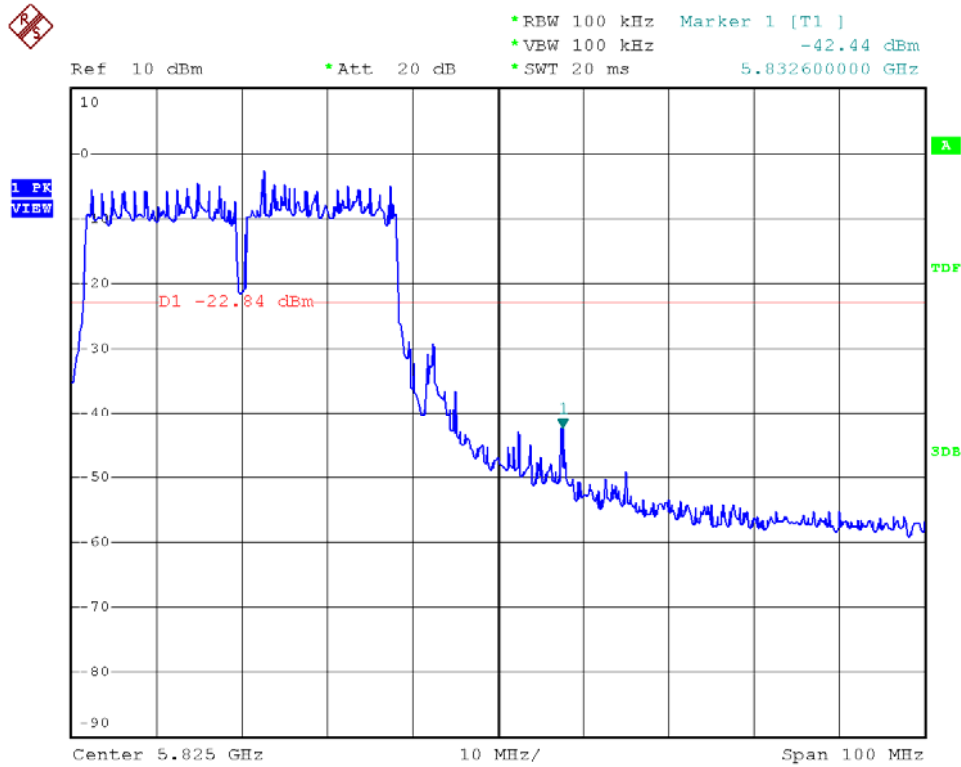


Modulation Standard: 802.11an HT40 (270Mbps), Ant R  
Channel: 159





Modulation Standard: 802.11an HT40 (270Mbps), Ant L  
Channel: 159





## 9.6 Restrict Band Emission Measurement Data

Test Date: Mar. 20, 2009

Temperature: 23°C

Atmospheric pressure: 1024 hPa

Humidity: 48%

Modulation Standard: IEEE 802.11b (11Mbps)

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2389.968	H	62.58	-1.07	61.51	Peak	74	54	-12.49	202	150
2386.806	H	50.65	-2.73	47.92	Ave	74	54	-6.08	205	150
2387.622	V	62.76	-1.07	61.69	Peak	74	54	-12.31	62	150
2386.806	V	50.81	-3.34	47.47	Ave	74	54	-6.53	65	150
Channel 11						Fundamental Frequency: 2462 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.66	H	59.11	-0.63	58.48	Peak	74	54	-12.52	202	150
2483.508	H	51.45	-3.50	47.95	Ave	74	54	-6.05	205	150
2483.774	V	65.25	-1.14	64.11	Peak	74	54	-9.89	62	150
2483.508	V	52.13	-4.39	47.74	Ave	74	54	-6.26	65	150

Modulation Standard: IEEE 802.11g (54Mbps)

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2389.866	H	62.28	-1.07	61.21	Peak	74	54	-12.79	202	150
2389.968	H	36.85	-1.07	35.78	Ave	74	54	-18.22	205	150
2389.764	V	67.52	-1.07	66.45	Peak	74	54	-7.55	62	150
2389.968	V	41.40	-1.07	40.33	Ave	74	54	-13.67	65	150
Channel 11						Fundamental Frequency: 2462 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.584	H	56.15	-0.62	55.53	Peak	74	54	-18.47	202	150
2483.888	H	37.57	-0.62	36.95	Ave	74	54	-17.05	205	150
2483.85	V	62.51	-1.13	61.38	Peak	74	54	-12.62	62	150
2483.584	V	39.34	-1.14	38.20	Ave	74	54	-15.80	65	150





Modulation Standard: IEEE 802.11n HT20 (130Mbps)

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2388.846	H	58.52	-1.07	57.45	Peak	74	54	-16.55	202	150
2389.968	H	37.80	-1.06	36.74	Ave	74	54	-17.26	205	150
2389.866	V	62.06	-1.08	60.98	Peak	74	54	-13.02	62	150
2389.968	V	38.68	-1.08	37.60	Ave	74	54	-16.40	65	150
Channel 11						Fundamental Frequency: 2462 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.660	H	55.29	-0.63	54.66	Peak	74	54	-19.34	202	150
2483.508	H	36.83	-0.63	36.20	Ave	74	54	-17.80	205	150
2483.774	V	59.71	-1.14	58.57	Peak	74	54	-15.43	62	150
2483.508	V	37.93	-1.14	36.79	Ave	74	54	-17.21	65	150

Modulation Standard: IEEE 802.11n HT40 (270Mbps)

Channel 3						Fundamental Frequency: 2422 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2388.030	H	62.22	-1.07	61.15	Peak	74	54	-12.85	202	150
2386.908	H	38.88	-1.08	37.80	Ave	74	54	-16.20	205	150
2389.866	V	69.22	-1.36	67.86	Peak	74	54	-6.14	62	150
2388.540	V	40.47	-1.07	39.40	Ave	74	54	-14.60	65	150
Channel 9						Fundamental Frequency: 2452 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.850	H	58.57	-0.63	57.94	Peak	74	54	-16.06	202	150
2483.774	H	37.84	-0.62	37.22	Ave	74	54	-16.78	205	150
2487.460	V	64.39	-1.14	63.25	Peak	74	54	-10.75	62	150
2483.508	V	39.05	-1.14	37.91	Ave	74	54	-16.09	65	150

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10 MHz for Average detection at frequency above 1GHz.



Test Mode: EUT with USB cable

Test Date: Mar. 20, 2009

Temperature: 23°C

Atmospheric pressure: 1024 hPa

Humidity: 48%

Modulation Standard: IEEE 802.11b (11Mbps)

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2389.968	H	63.26	-0.85	62.41	Peak	74	54	-11.59	202	150
2386.806	H	51.87	-4.10	47.77	Ave	74	54	-6.23	205	150
2387.622	V	62.09	-1.30	60.79	Peak	74	54	-13.21	62	150
2386.806	V	51.57	-3.63	47.94	Ave	74	54	-6.06	65	150
Channel 11						Fundamental Frequency: 2462 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.66	H	60.10	-0.67	59.43	Peak	74	54	-14.57	202	150
2483.508	H	53.18	-5.21	47.96	Ave	74	54	-6.04	205	150
2483.774	V	65.05	-1.14	63.91	Peak	74	54	-10.09	62	150
2483.508	V	51.68	-3.93	47.75	Ave	74	54	-6.25	65	150

Modulation Standard: IEEE 802.11g (54Mbps)

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2389.866	H	63.06	-1.80	61.26	Peak	74	54	-12.74	202	150
2389.968	H	37.51	-0.84	36.67	Ave	74	54	-17.33	205	150
2389.764	V	67.41	-1.55	65.85	Peak	74	54	-8.15	62	150
2389.968	V	41.18	-0.93	40.25	Ave	74	54	-13.75	65	150
Channel 11						Fundamental Frequency: 2462 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.584	H	56.62	-1.04	55.58	Peak	74	54	-18.42	202	150
2483.888	H	37.73	-0.35	37.39	Ave	74	54	-16.61	205	150
2483.85	V	62.07	-0.70	61.36	Peak	74	54	-12.64	62	150
2483.584	V	39.14	-1.88	37.26	Ave	74	54	-16.74	65	150



Modulation Standard: IEEE 802.11n HT20 (130Mbps)

Channel 1						Fundamental Frequency: 2412 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2388.846	H	58.91	-1.38	57.52	Peak	74	54	-16.48	202	150
2389.968	H	38.15	-0.77	37.38	Ave	74	54	-16.62	205	150
2389.866	V	61.25	-1.19	60.06	Peak	74	54	-13.94	62	150
2389.968	V	37.96	-1.00	36.96	Ave	74	54	-17.04	65	150
Channel 11						Fundamental Frequency: 2462 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.66	H	56.11	-0.61	55.50	Peak	74	54	-18.50	202	150
2483.508	H	37.44	-1.05	36.38	Ave	74	54	-17.62	205	150
2483.774	V	59.35	-1.52	57.83	Peak	74	54	-16.17	62	150
2483.508	V	37.23	-0.75	36.48	Ave	74	54	-17.52	65	150

Modulation Standard: IEEE 802.11n HT40 (270Mbps)

Channel 3						Fundamental Frequency: 2422 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2388.030	H	62.22	-1.07	61.15	Peak	74	54	-12.85	202	150
2386.908	H	38.88	-1.08	37.80	Ave	74	54	-16.20	205	150
2389.866	V	69.82	-1.08	68.74	Peak	74	54	-5.26	62	150
2388.540	V	40.47	-1.07	39.40	Ave	74	54	-14.60	65	150
Channel 9						Fundamental Frequency: 2452 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
2483.85	H	59.10	-0.96	58.14	Peak	74	54	-15.86	202	150
2483.774	H	38.34	-0.57	37.77	Ave	74	54	-16.23	205	150
2487.46	V	63.58	-0.88	62.71	Peak	74	54	-11.29	62	150
2483.508	V	38.76	-1.44	37.32	Ave	74	54	-16.68	65	150

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10 MHz for Average detection at frequency above 1GHz.



## 10. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

\*\* : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

### 10.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Appendix A. Photographs of EUT





