

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462MHz) (Antenna No.1)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-10.867	-4.846	$\leq 8\text{dBm}$	Pass
B	-10.686	-4.665	$\leq 8\text{dBm}$	Pass
C	-10.674	-4.653	$\leq 8\text{dBm}$	Pass
D	-10.723	-4.702	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 11: (Chain A)

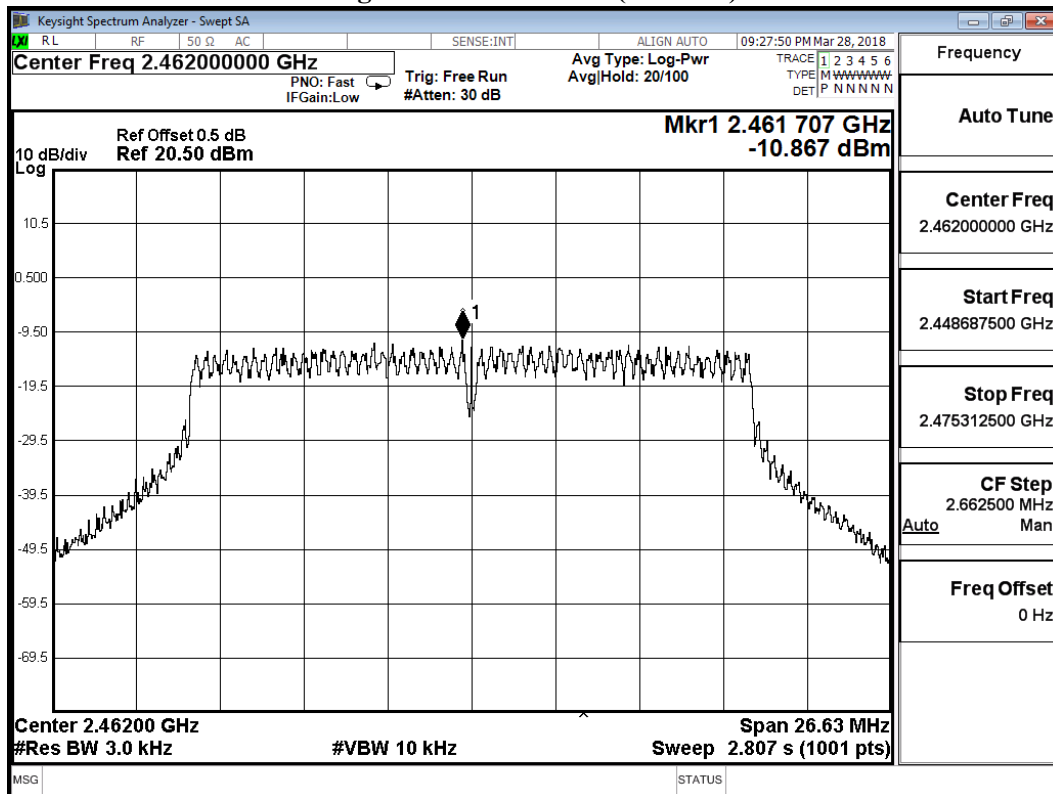


Figure Channel 11: (Chain B)

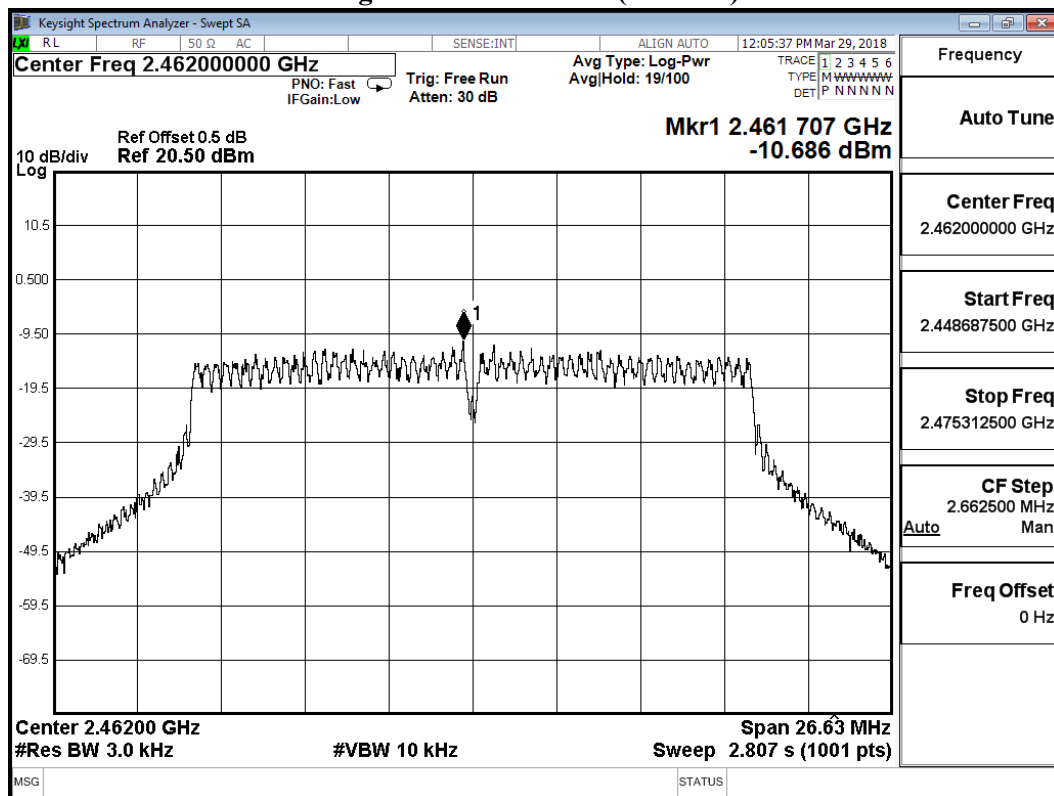
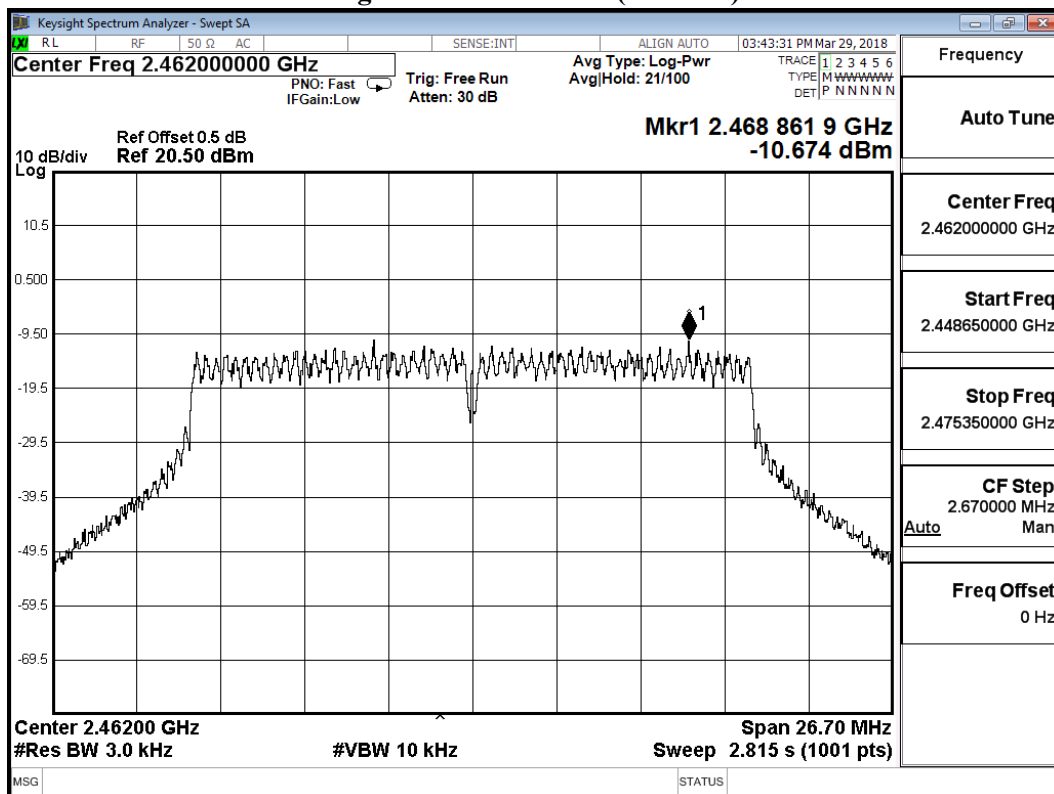


Figure Channel 11: (Chain C)



Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:14:27 PM Mar 29, 2018

Center Freq 2.46200000 GHz PNO: Fast IF Gain: Low Trig: Free Run Atten: 30 dB Avg Type: Log-Pwr Avg/Hold: 20/100

TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P N N N N N N

Ref Offset 0.5 dB Mkr1 2.464 761 GHz -10.723 dBm

10 dB/div Log

Center 2.46200 GHz Span 26.55 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 2.799 s (1001 pts)

The figure is a Keysight Spectrum Analyzer display. The main plot area shows a frequency spectrum with a grid. The horizontal axis represents frequency, with a center frequency of 2.46200 GHz and a span of 26.55 MHz. The vertical axis represents power, with a reference level of 20.50 dBm and a resolution of 10 dB/div. A signal is visible as a noisy trace. A marker labeled '1' is placed on the trace at a frequency of 2.464761 GHz, with a power reading of -10.723 dBm. The plot is labeled 'Log' and '10 dB/div'. The top of the screen shows various settings: 'Center Freq 2.46200000 GHz', 'PNO: Fast', 'IF Gain: Low', 'Trig: Free Run', 'Atten: 30 dB', 'Avg Type: Log-Pwr', and 'Avg/Hold: 20/100'. The right side of the screen has a panel with 'Frequency' and 'Auto Tune' buttons, and a table of parameters: 'Center Freq 2.46200000 GHz', 'Start Freq 2.448725000 GHz', 'Stop Freq 2.475275000 GHz', 'CF Step 2.655000 MHz', 'Auto', 'Man', 'Freq Offset 0 Hz'. The bottom of the screen shows a message: 'MSG File <PICTURE.PNG> saved' and a 'STATUS' button.

Parameter	Value
Center Freq	2.46200000 GHz
Start Freq	2.448725000 GHz
Stop Freq	2.475275000 GHz
CF Step	2.655000 MHz
Auto	Man
Freq Offset	0 Hz

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.1)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.606	-6.585	$\leq 8\text{dBm}$	Pass
B	-13.960	-7.939	$\leq 8\text{dBm}$	Pass
C	-13.486	-7.465	$\leq 8\text{dBm}$	Pass
D	-13.596	-7.575	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 3: (Chain A)

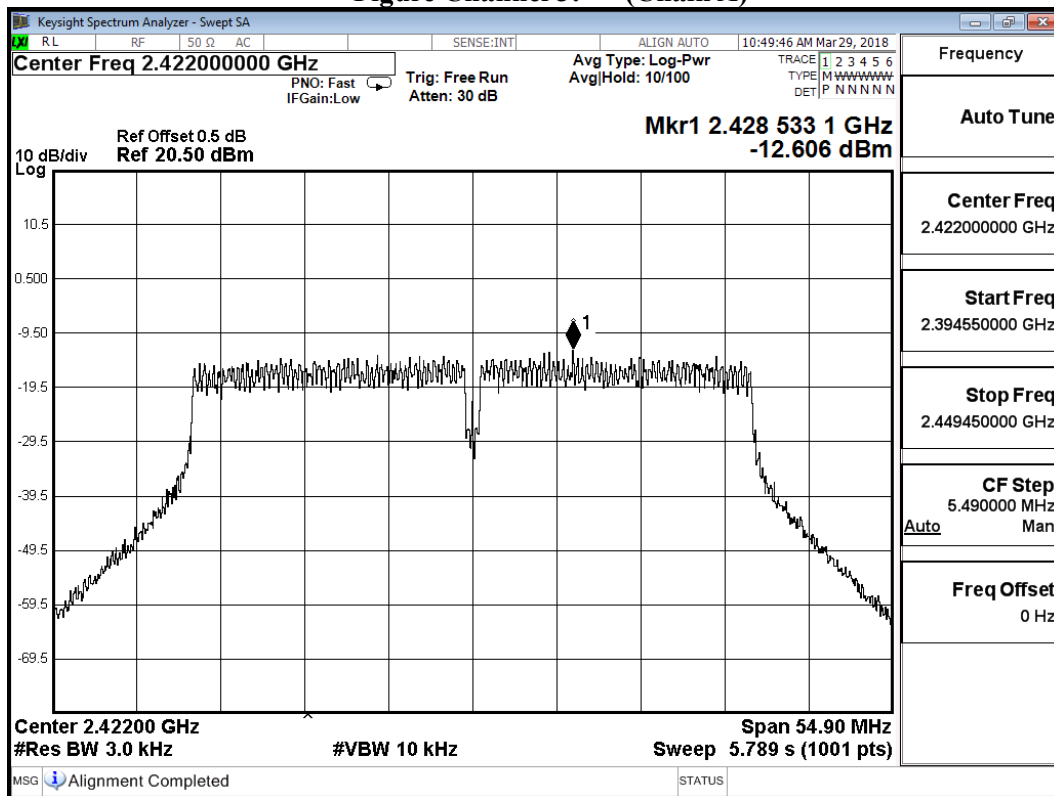


Figure Channel 3: (Chain B)

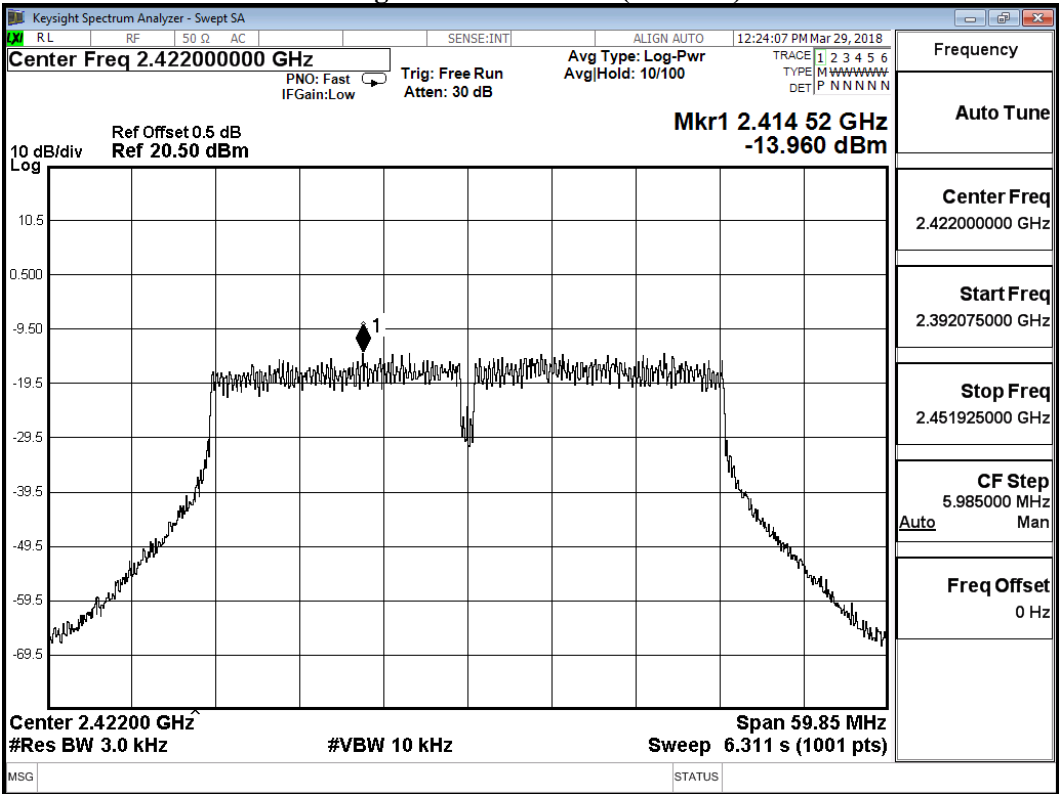


Figure Channel 3: (Chain C)

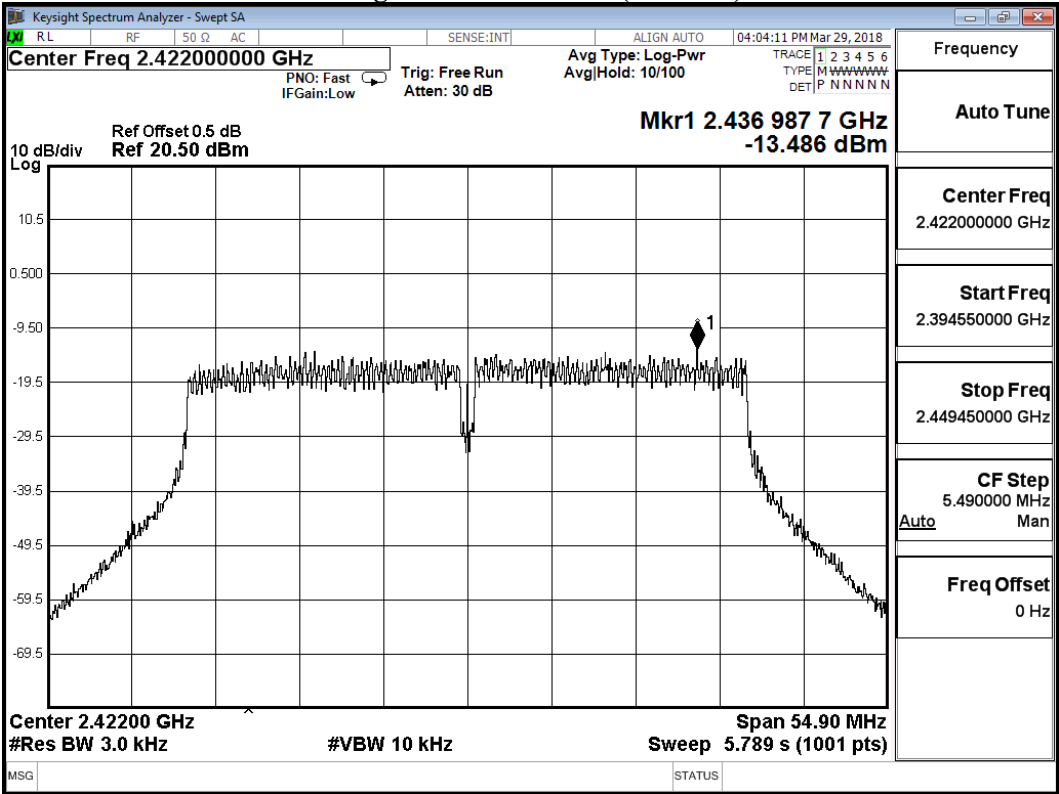
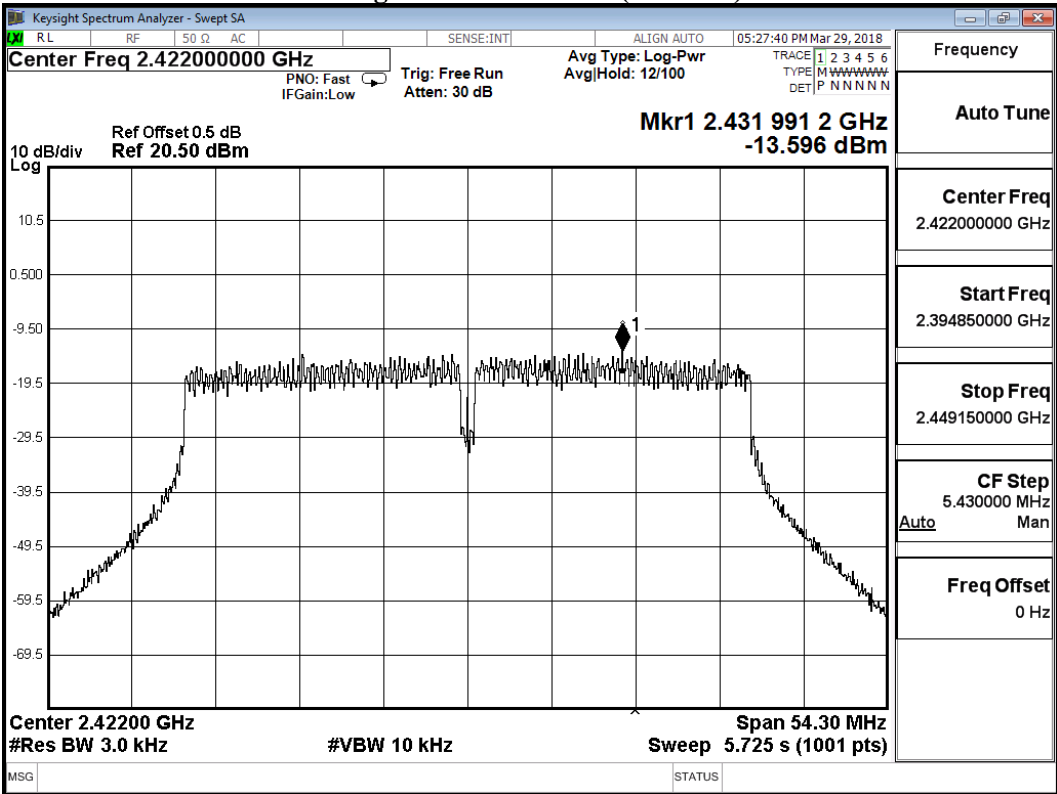


Figure Channel 3: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437MHz) (Antenna No.1)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.839	-6.818	$\leq 8\text{dBm}$	Pass
B	-12.609	-6.588	$\leq 8\text{dBm}$	Pass
C	-13.683	-7.662	$\leq 8\text{dBm}$	Pass
D	-13.763	-7.742	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 6: (Chain A)

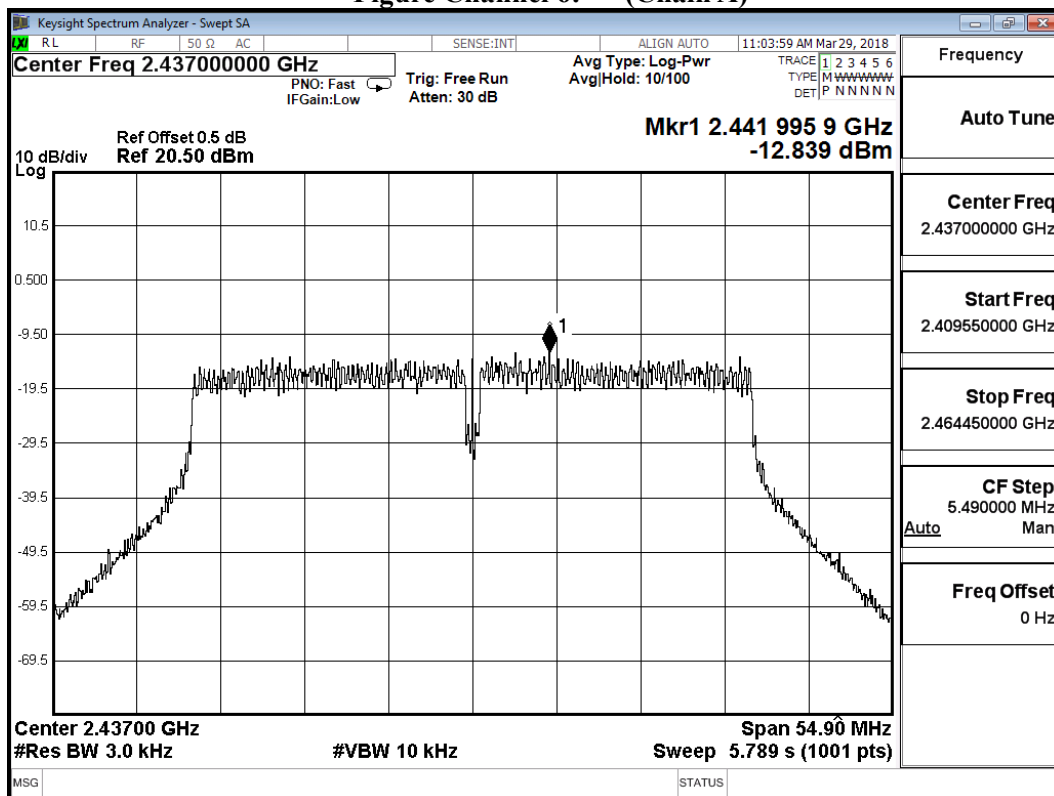


Figure Channel 6: (Chain B)

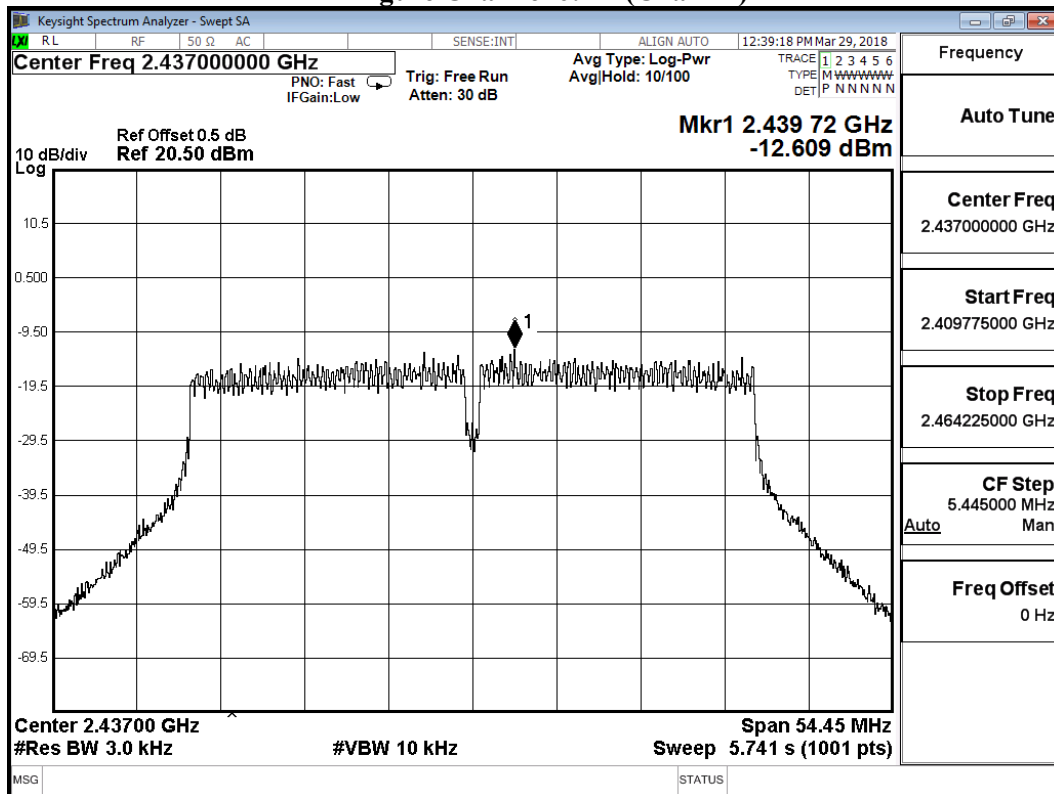


Figure Channel 6: (Chain C)

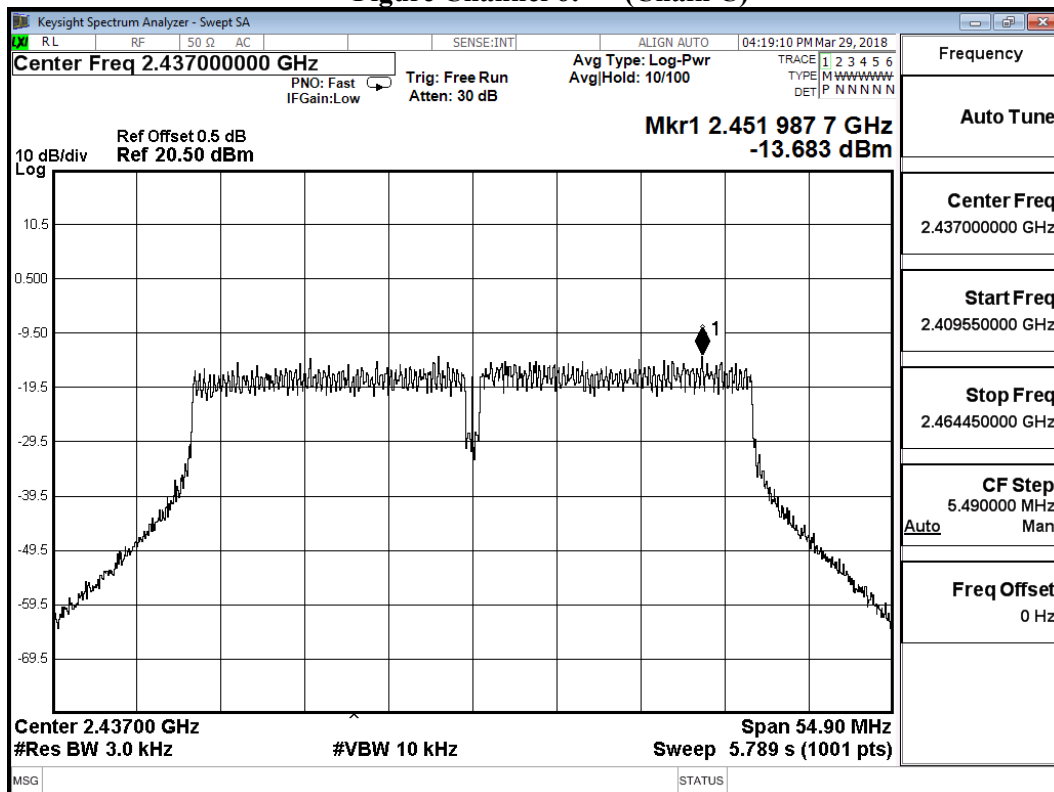
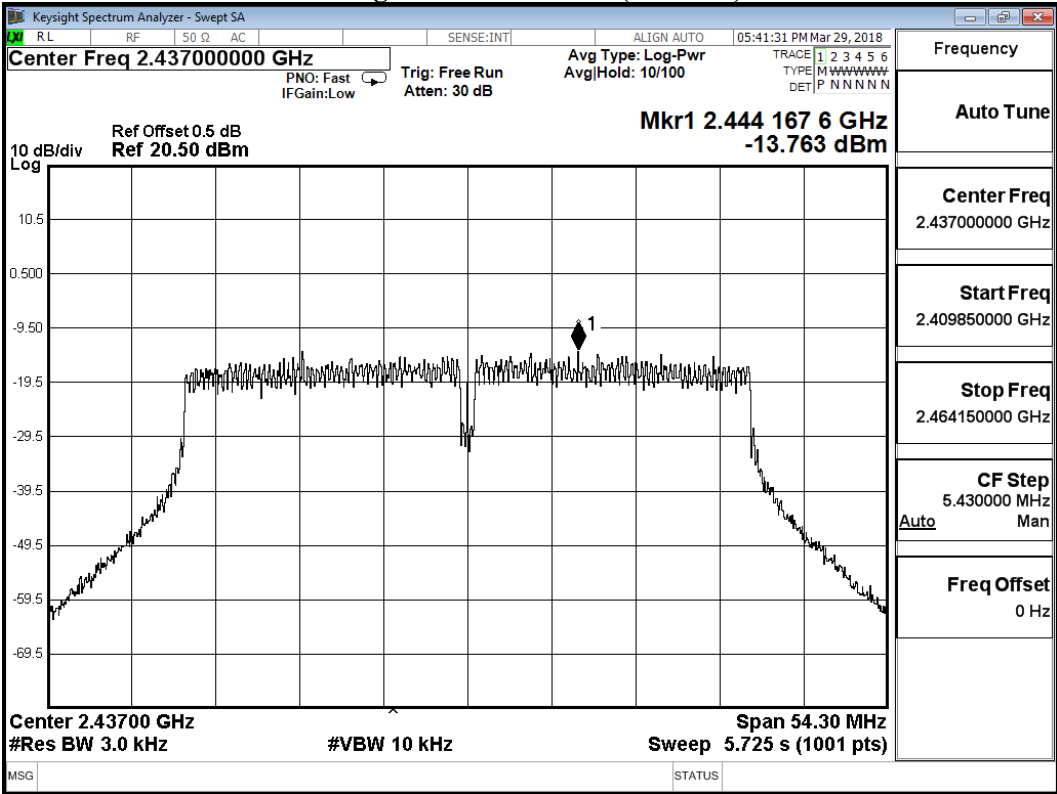


Figure Channel 6: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452MHz) (Antenna No.1)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-11.848	-5.827	$\leq 8\text{dBm}$	Pass
B	-12.831	-6.810	$\leq 8\text{dBm}$	Pass
C	-12.698	-6.677	$\leq 8\text{dBm}$	Pass
D	-14.407	-8.386	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 9: (Chain A)

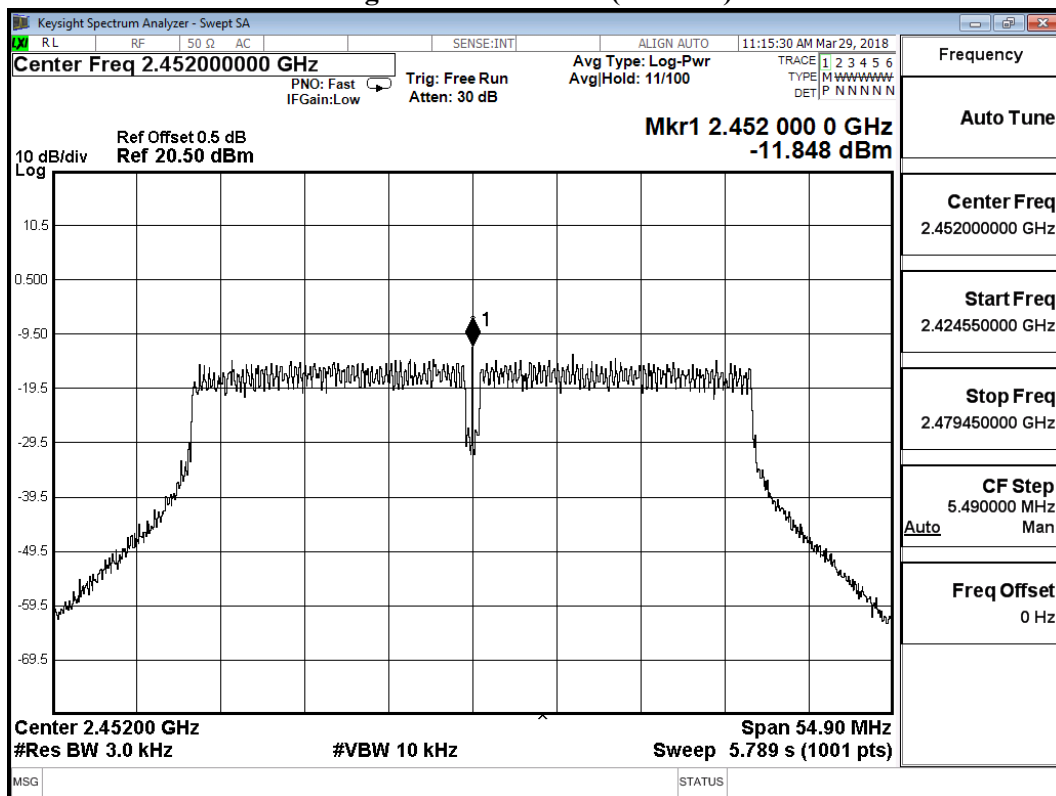


Figure Channel 9: (Chain B)

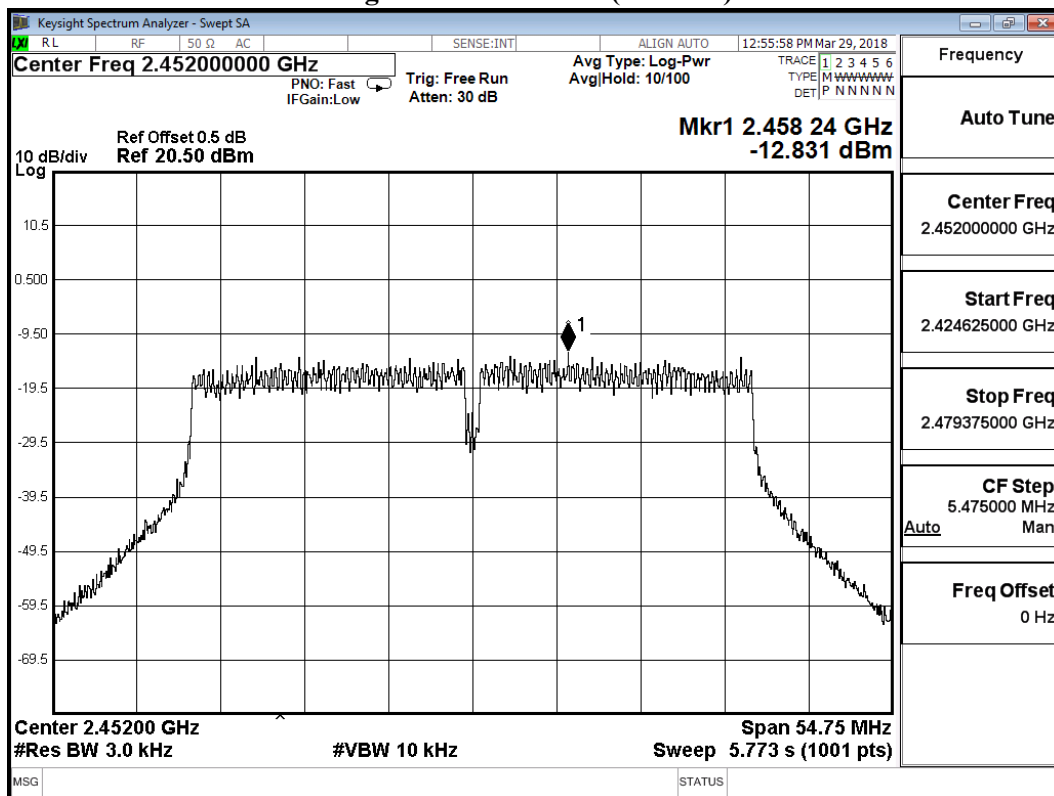


Figure Channel 9: (Chain C)

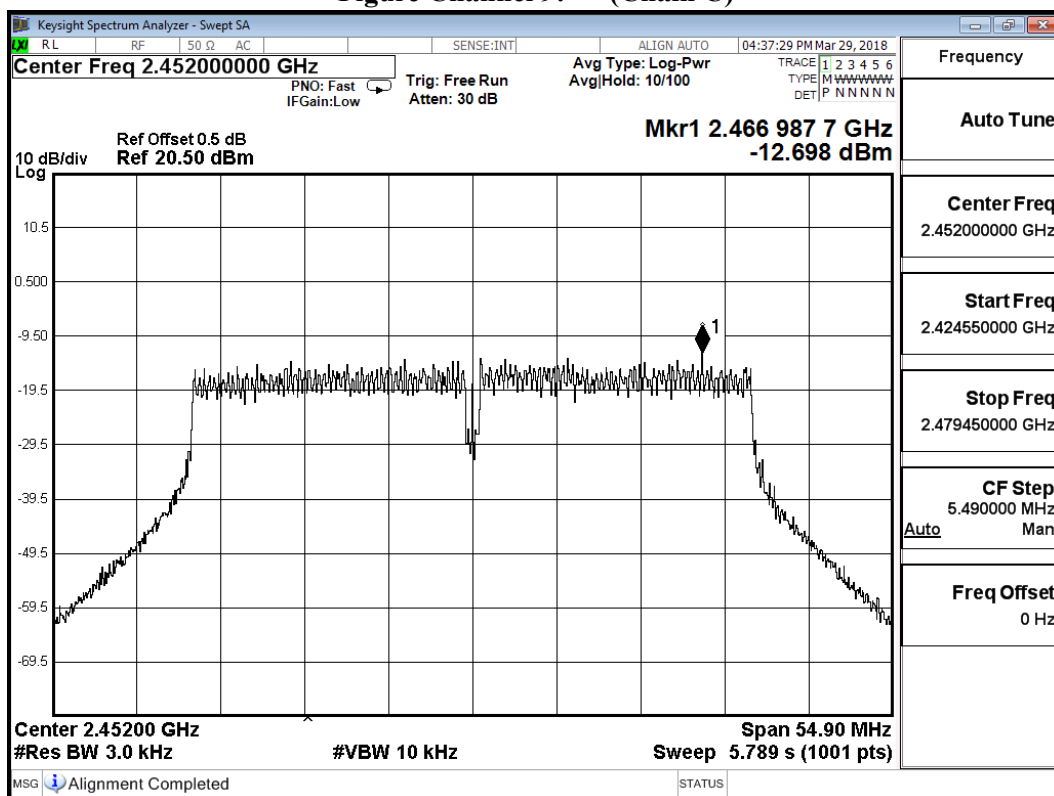
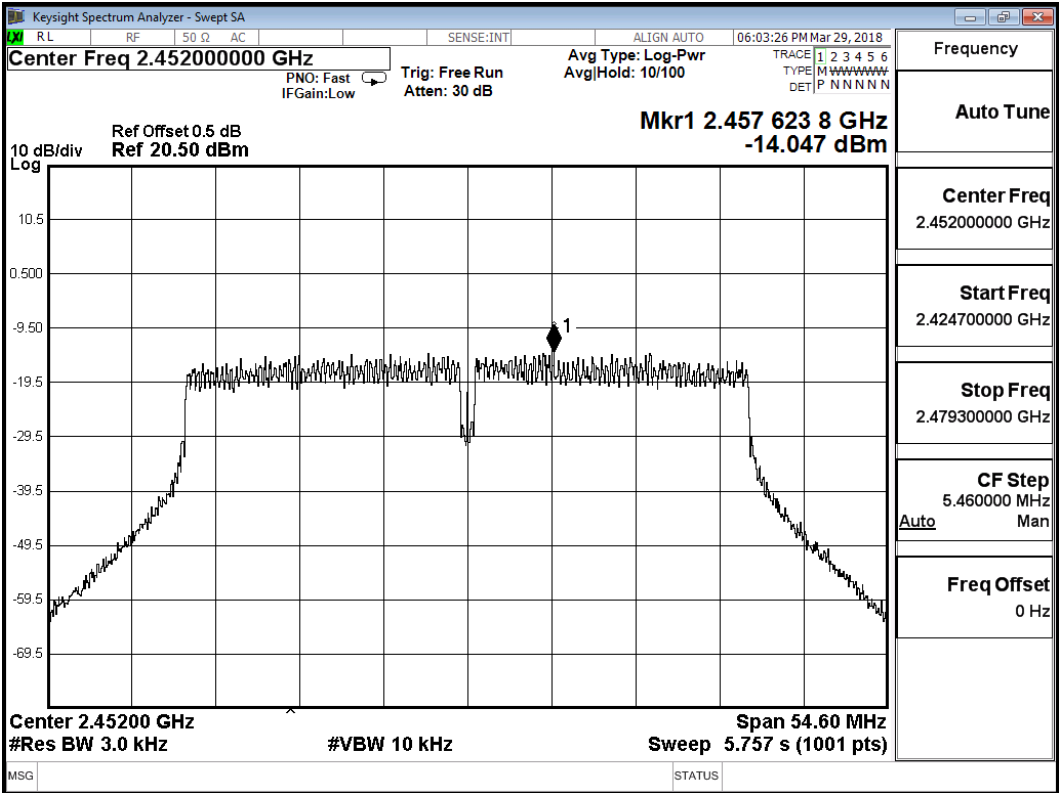


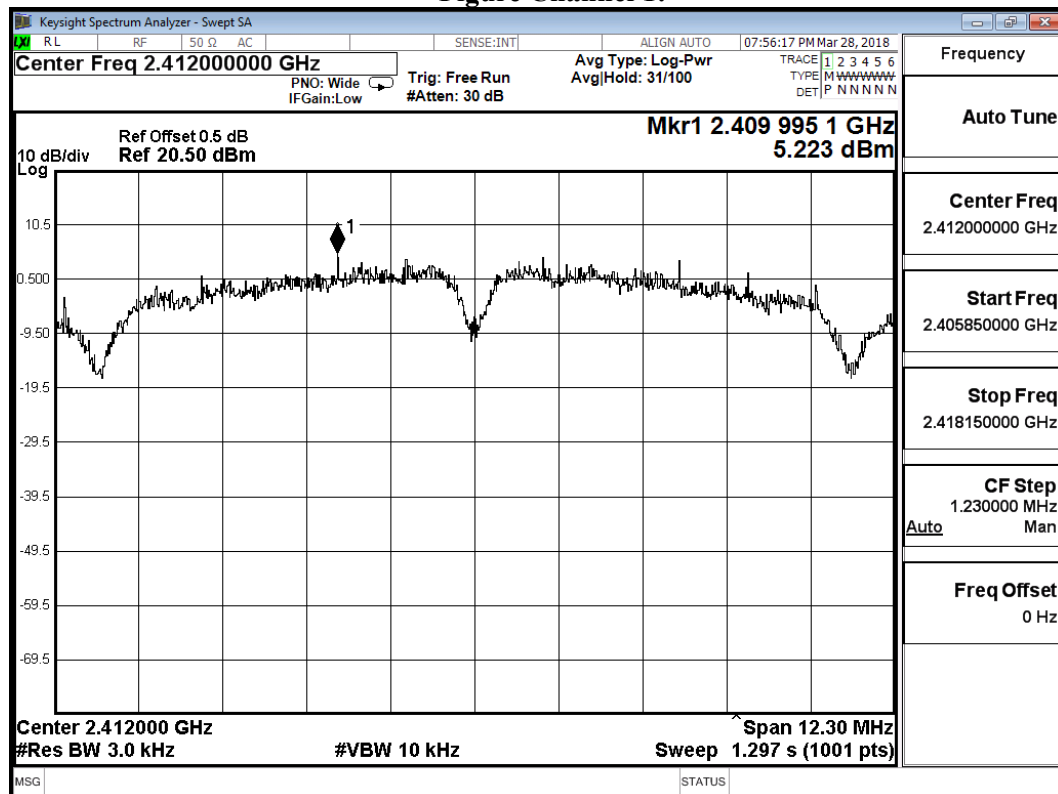
Figure Channel 9: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	5.223	$\leq 8\text{dBm}$	Pass

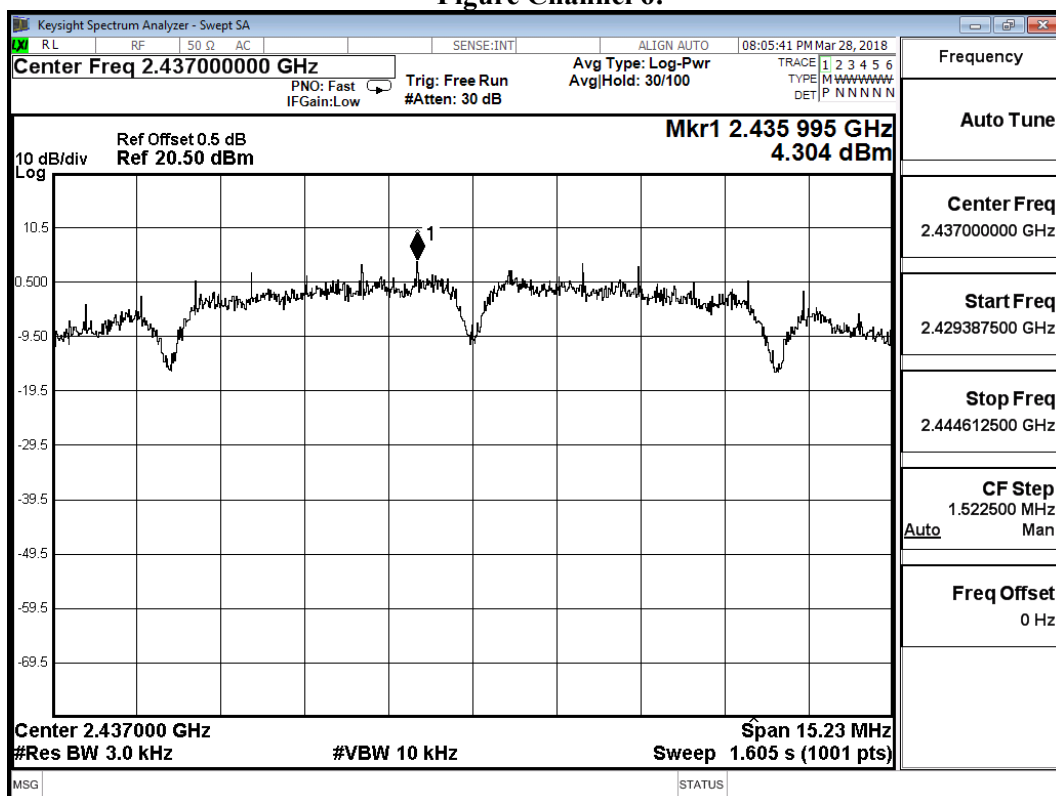
Figure Channel 1:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz) (Antenna No.6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
6	2437	4.304	$\leq 8\text{dBm}$	Pass

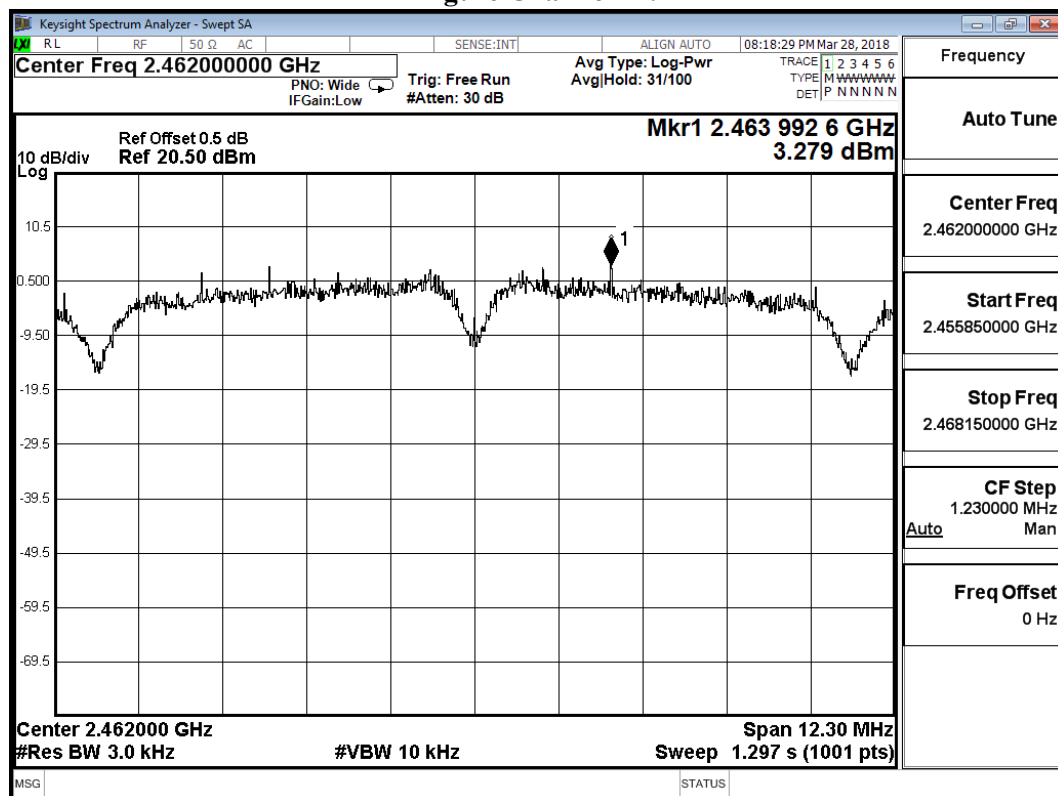
Figure Channel 6:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz) (Antenna No.6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
11	2462	3.279	$\leq 8\text{dBm}$	Pass

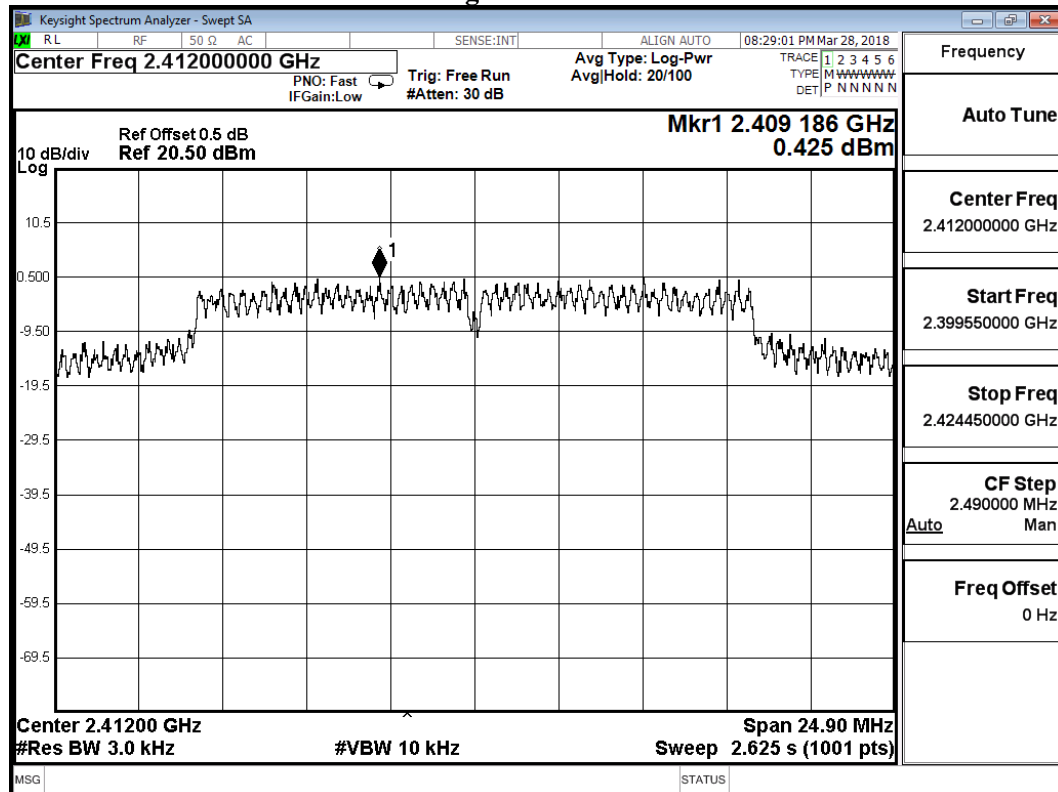
Figure Channel 11:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	0.425	$\leq 8\text{dBm}$	Pass

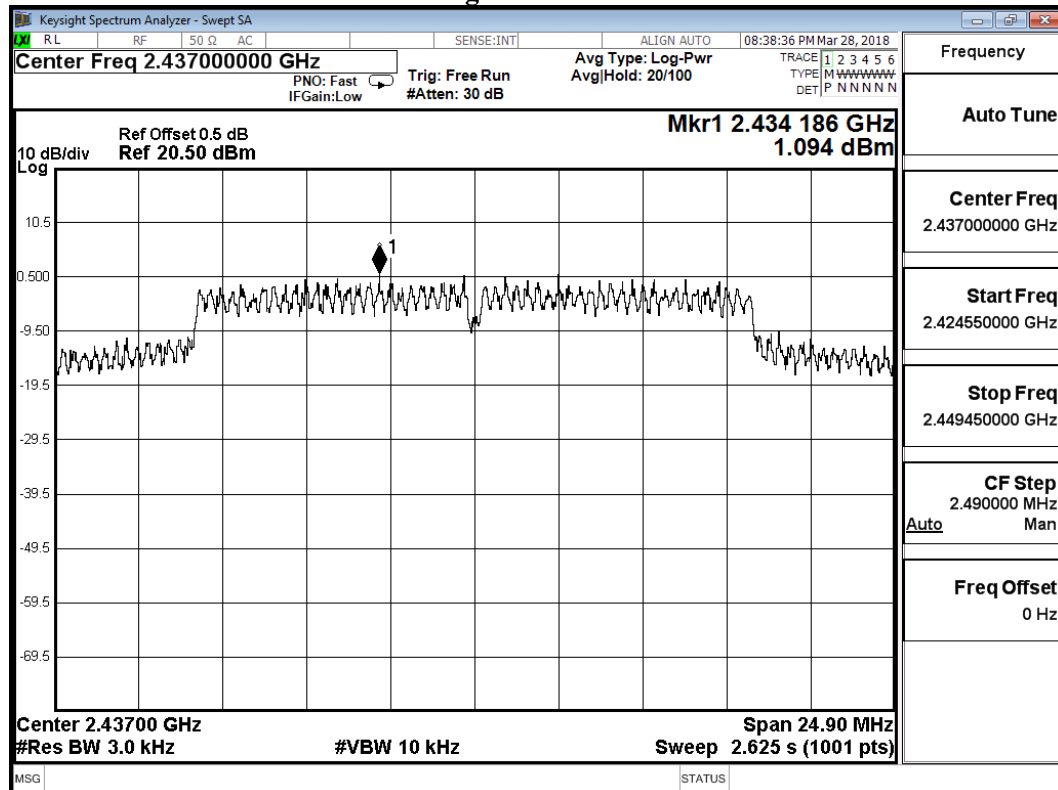
Figure Channel 1:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz) (Antenna No.6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
6	2437	1.094	$\leq 8\text{dBm}$	Pass

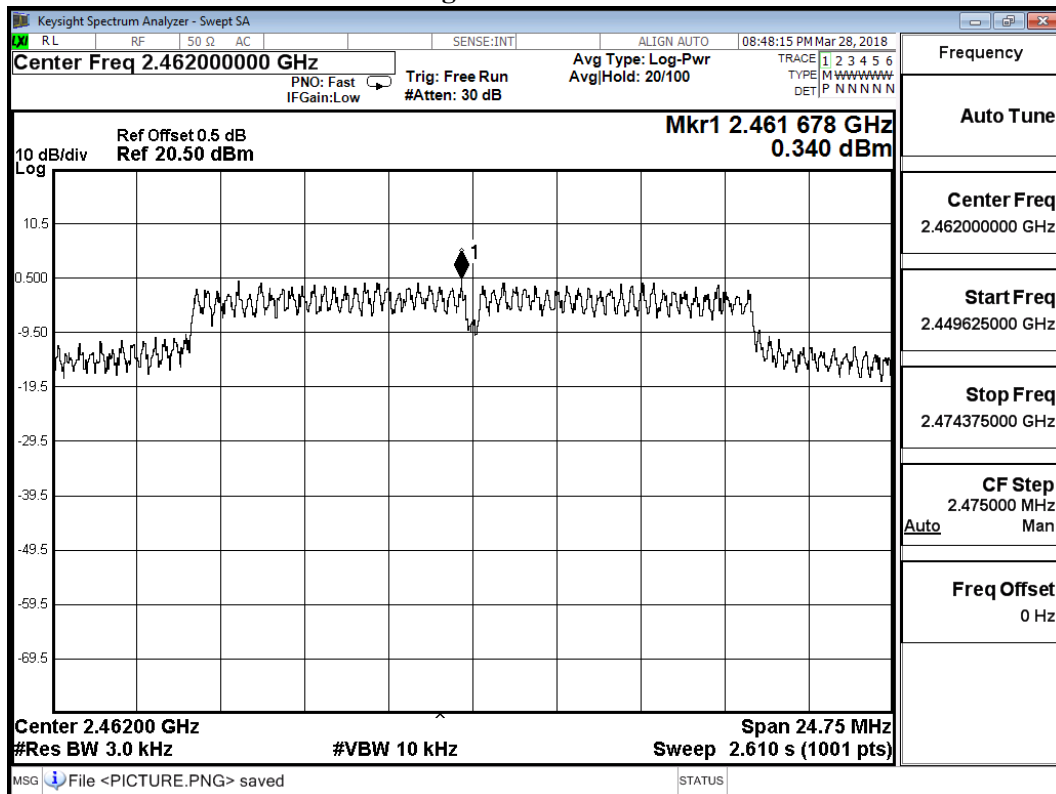
Figure Channel 6:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz) (Antenna No.6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
11	2462	0.340	$\leq 8\text{dBm}$	Pass

Figure Channel 11:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.6)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-10.339	-4.318	$\leq 8\text{dBm}$	Pass
B	-11.019	-4.998	$\leq 8\text{dBm}$	Pass
C	-11.003	-4.982	$\leq 8\text{dBm}$	Pass
D	-9.851	-3.830	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 1: (Chain A)

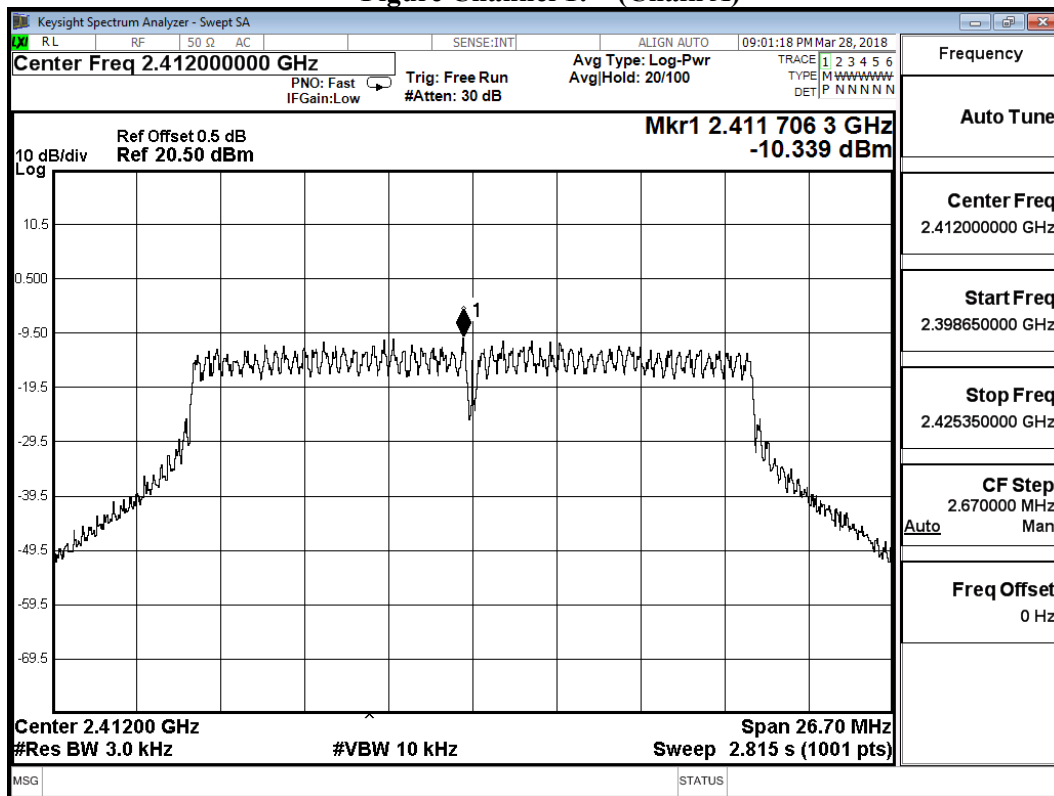


Figure Channel 1: (Chain B)

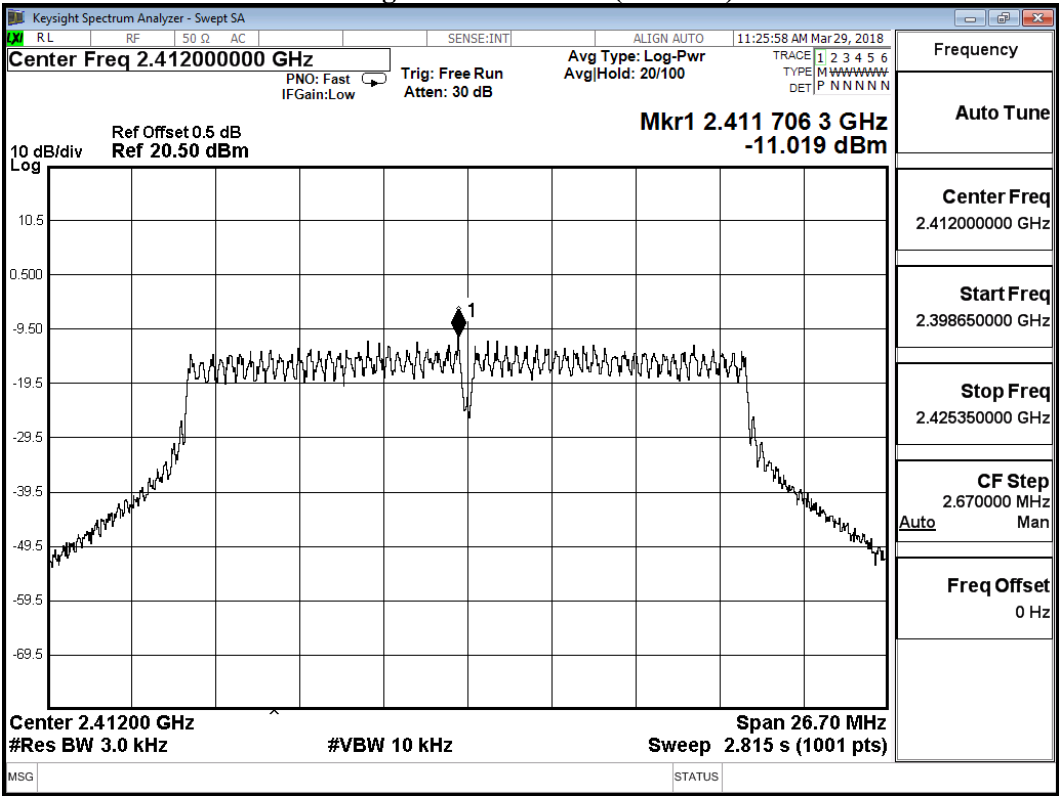
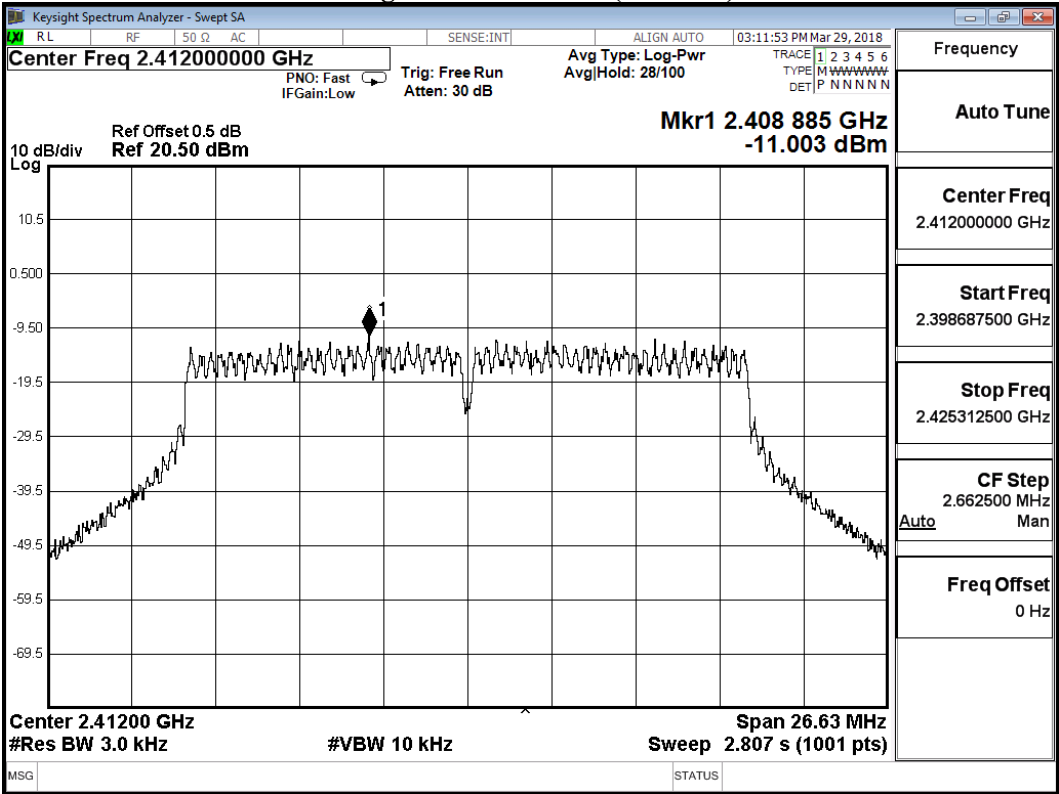


Figure Channel 1: (Chain C)



Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:47:12 PM Mar 29, 2018

Center Freq 2.41200000 GHz

PNO: Fast IF Gain: Low Trig: Free Run Atten: 30 dB Avg Type: Log-Pwr Avg/Hold: 20/100

TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P N N N N N N N

Mkr1 2.414 761 GHz -9.851 dBm

Ref Offset 0.5 dB Ref 20.50 dBm

10 dB/div Log

The plot shows a spectrum with a central peak at 2.414761 GHz. The y-axis is labeled '10 dB/div Log' and ranges from -69.5 to 10.5. The x-axis is labeled 'Center Freq 2.41200 GHz' and ranges from 2.409 to 2.417 GHz. The signal is marked with a peak at -9.851 dBm. The plot includes a grid and various measurement parameters.

Frequency

Auto Tune

Center Freq
2.41200000 GHz

Start Freq
2.398725000 GHz

Stop Freq
2.425275000 GHz

CF Step
2.655000 MHz
Auto Man

Freq Offset
0 Hz

Center 2.41200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz

Span 26.55 MHz
Sweep 2.799 s (1001 pts)

MSG STATUS

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437MHz) (Antenna No.6)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-10.686	-4.665	$\leq 8\text{dBm}$	Pass
B	-10.470	-4.449	$\leq 8\text{dBm}$	Pass
C	-10.652	-4.631	$\leq 8\text{dBm}$	Pass
D	-11.017	-4.996	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 6: (Chain A)

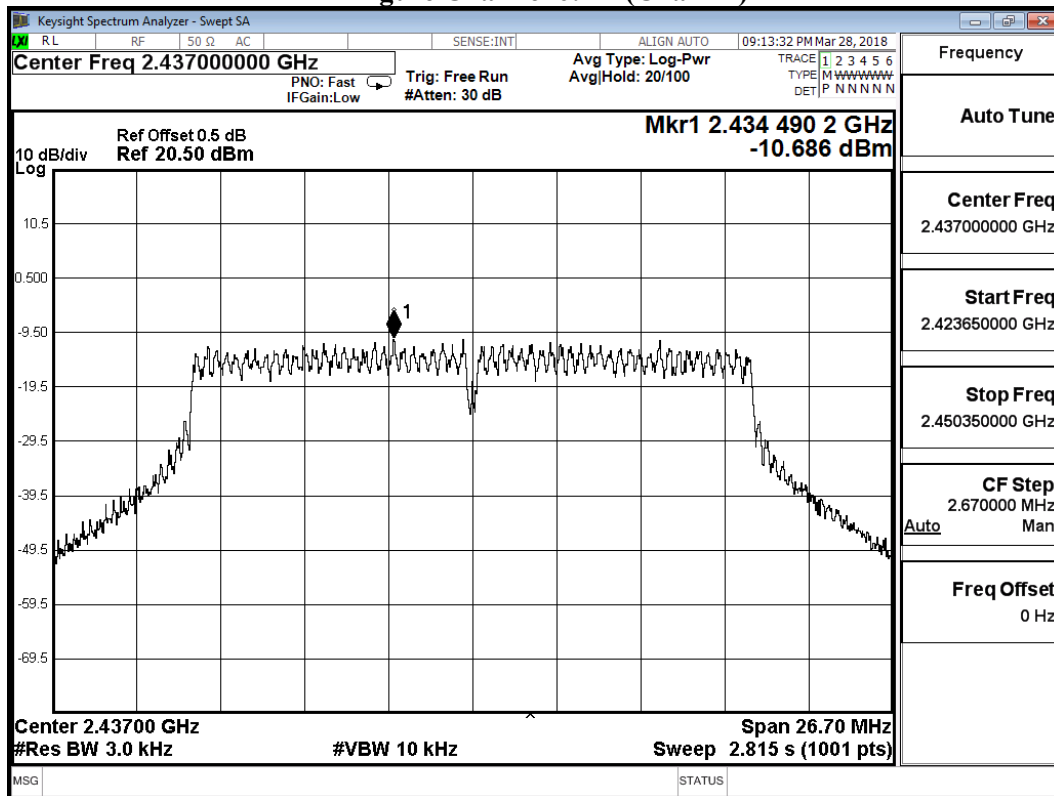


Figure Channel 6: (Chain B)

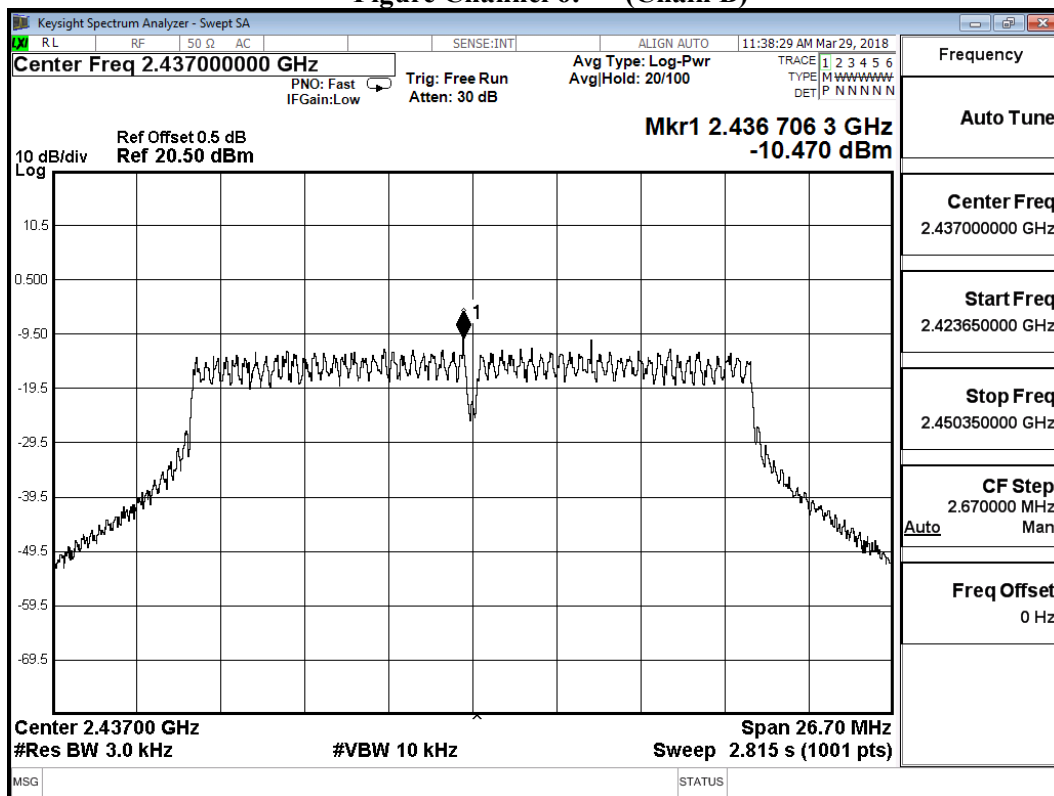


Figure Channel 6: (Chain C)

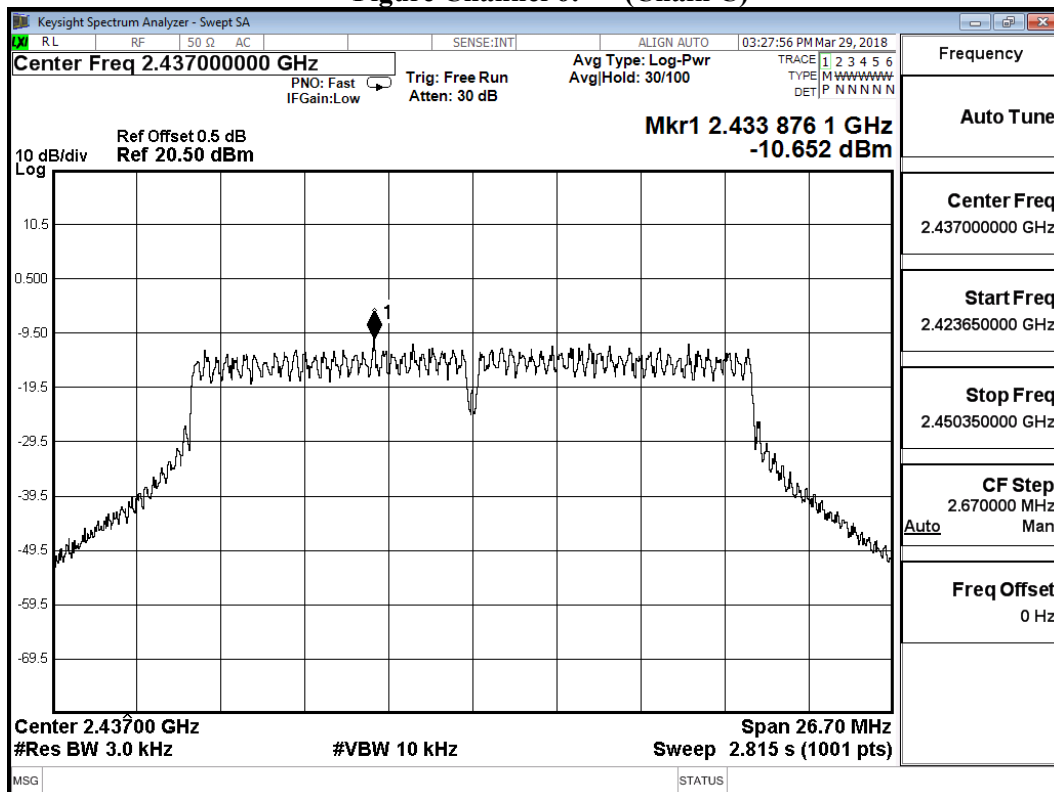
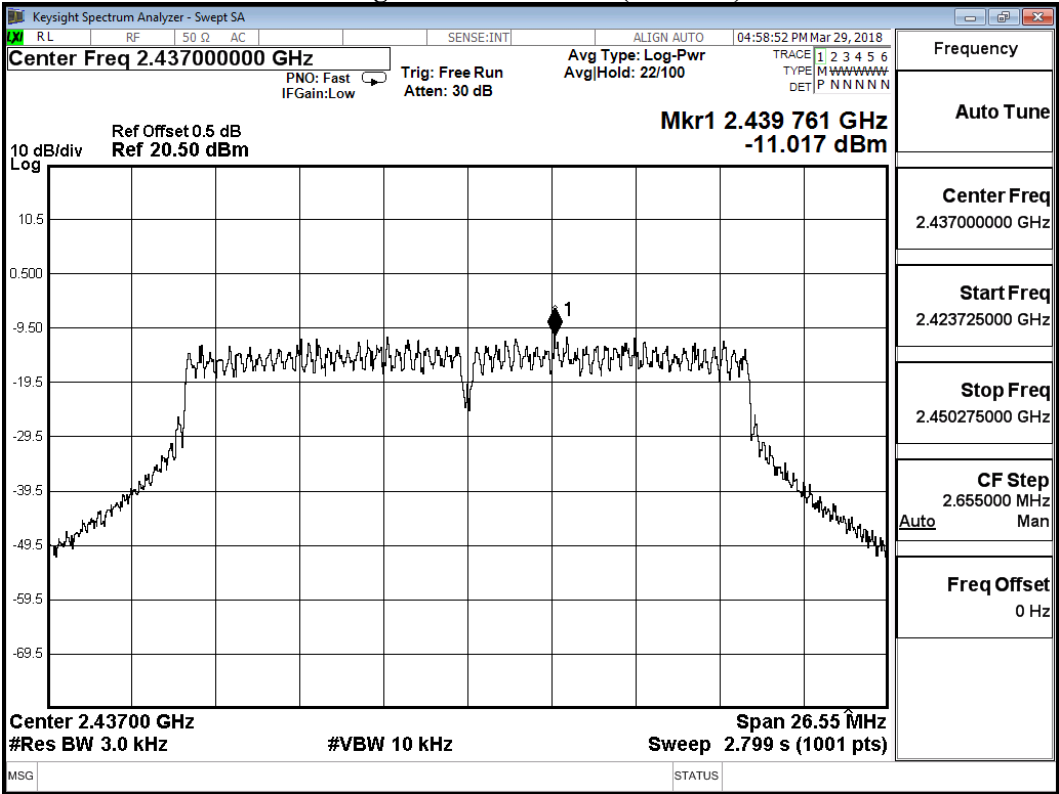


Figure Channel 6: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462MHz) (Antenna No.6)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-11.103	-5.082	$\leq 8\text{dBm}$	Pass
B	-10.536	-4.515	$\leq 8\text{dBm}$	Pass
C	-10.737	-4.716	$\leq 8\text{dBm}$	Pass
D	-11.151	-5.130	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 11: (Chain A)

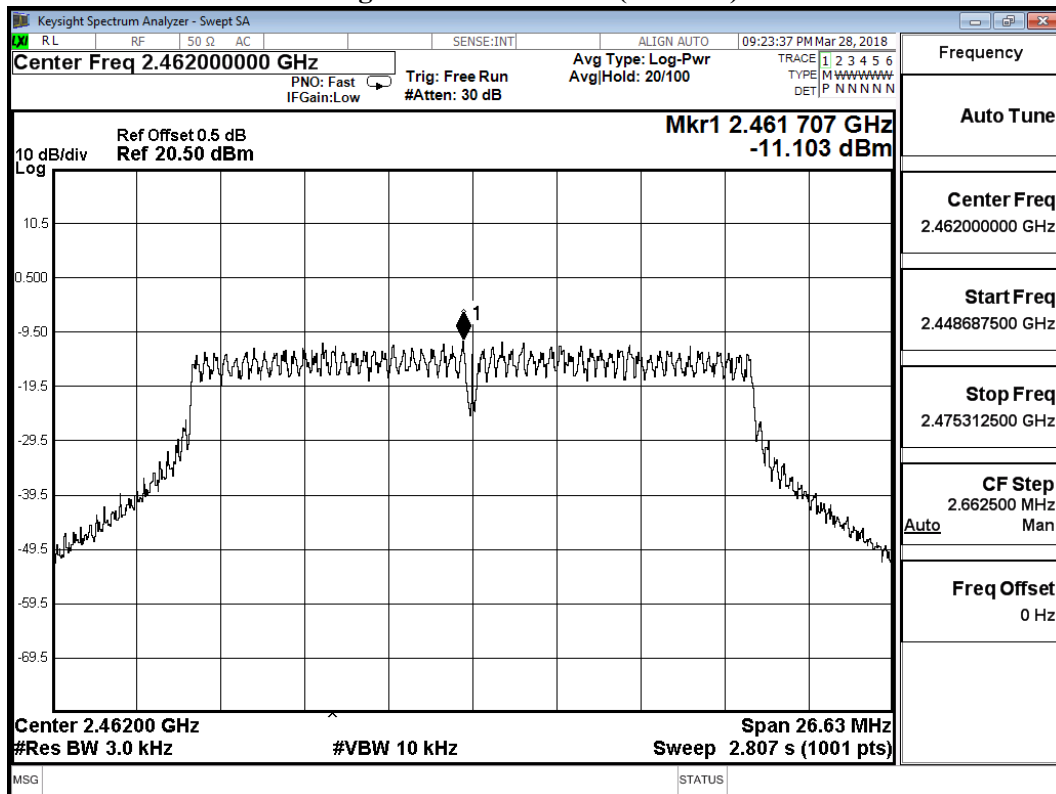


Figure Channel 11: (Chain B)

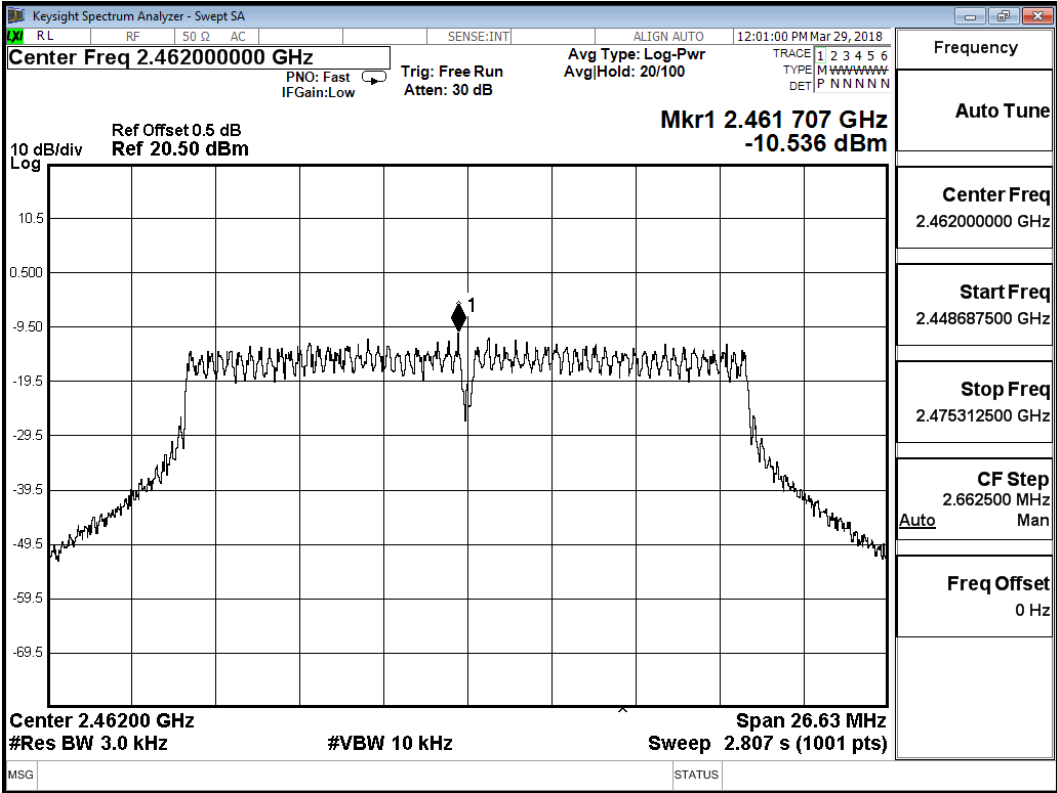


Figure Channel 11: (Chain C)

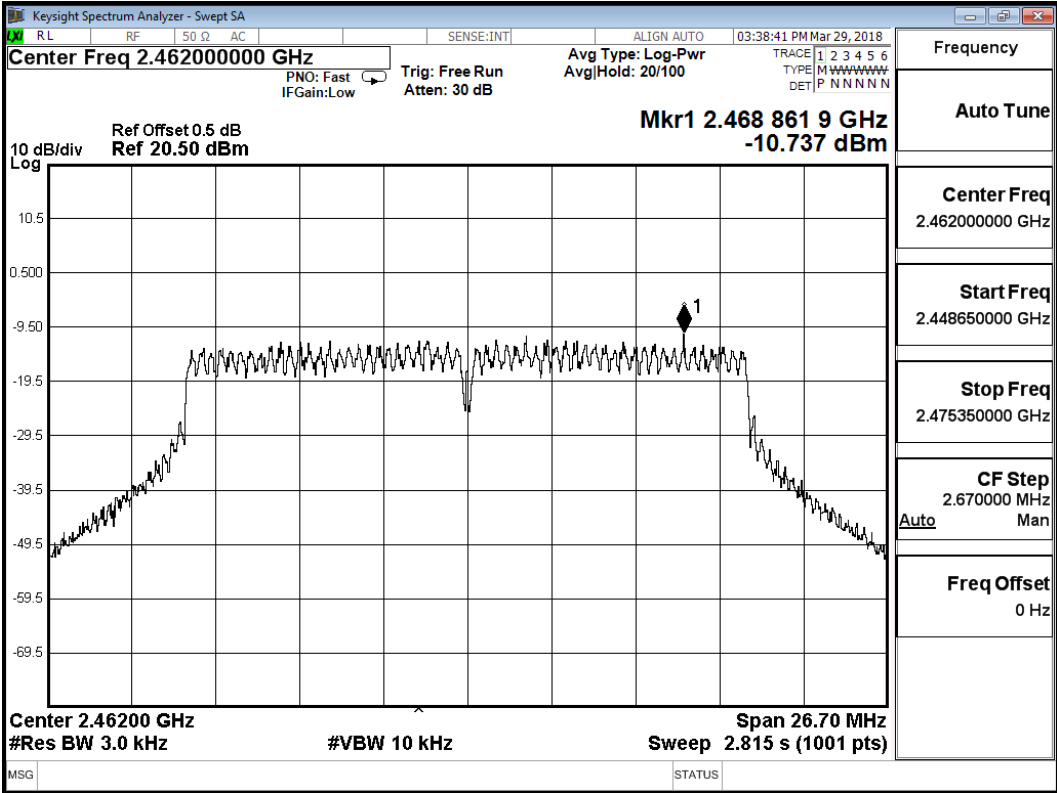
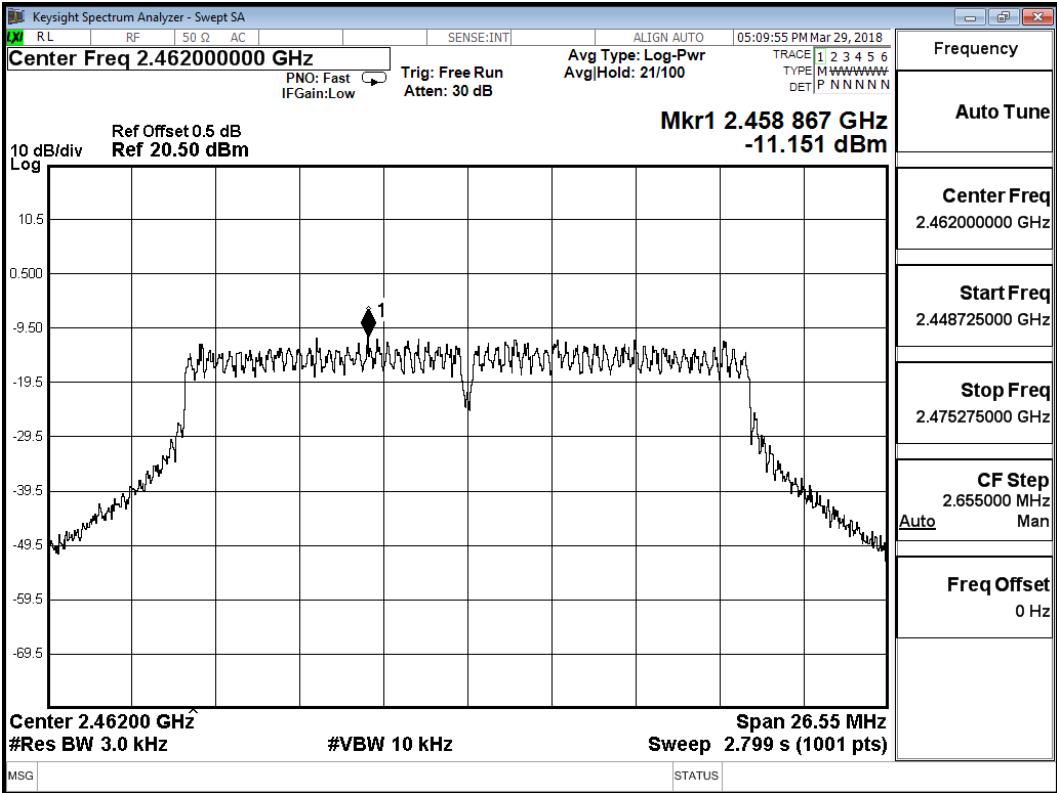


Figure Channel 11: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.6)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.387	-6.366	$\leq 8\text{dBm}$	Pass
B	-13.481	-7.460	$\leq 8\text{dBm}$	Pass
C	-14.089	-8.068	$\leq 8\text{dBm}$	Pass
D	-13.877	-7.856	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 3: (Chain A)

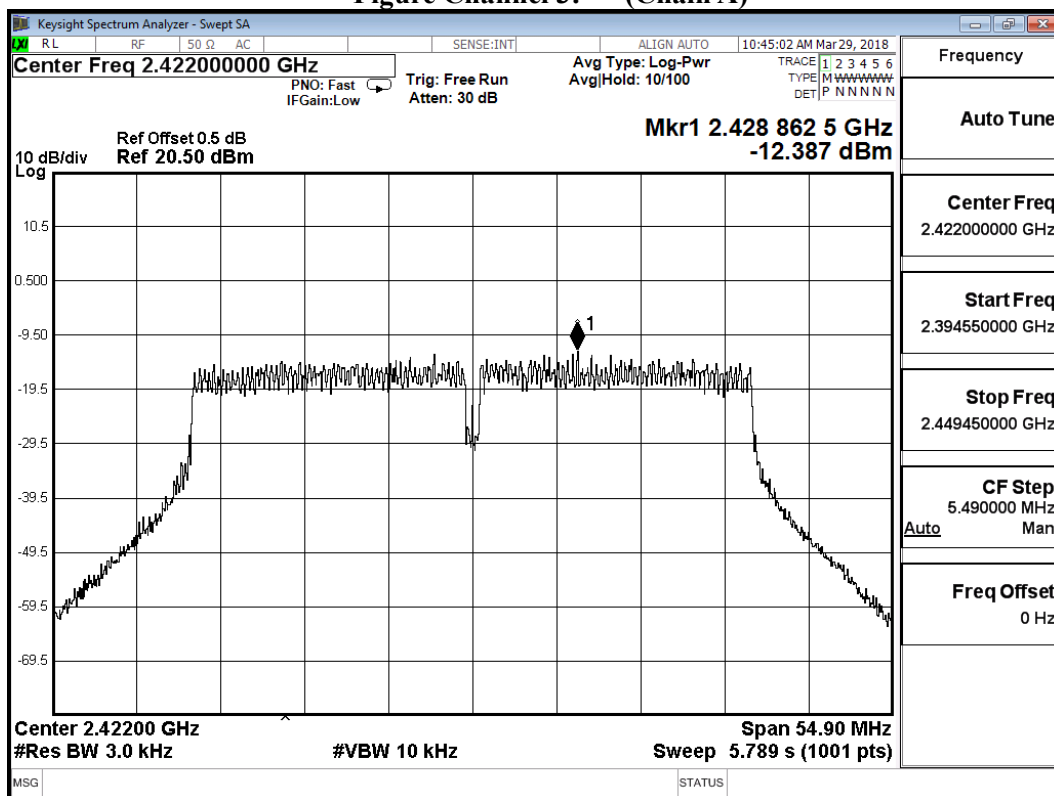


Figure Channel 3: (Chain B)

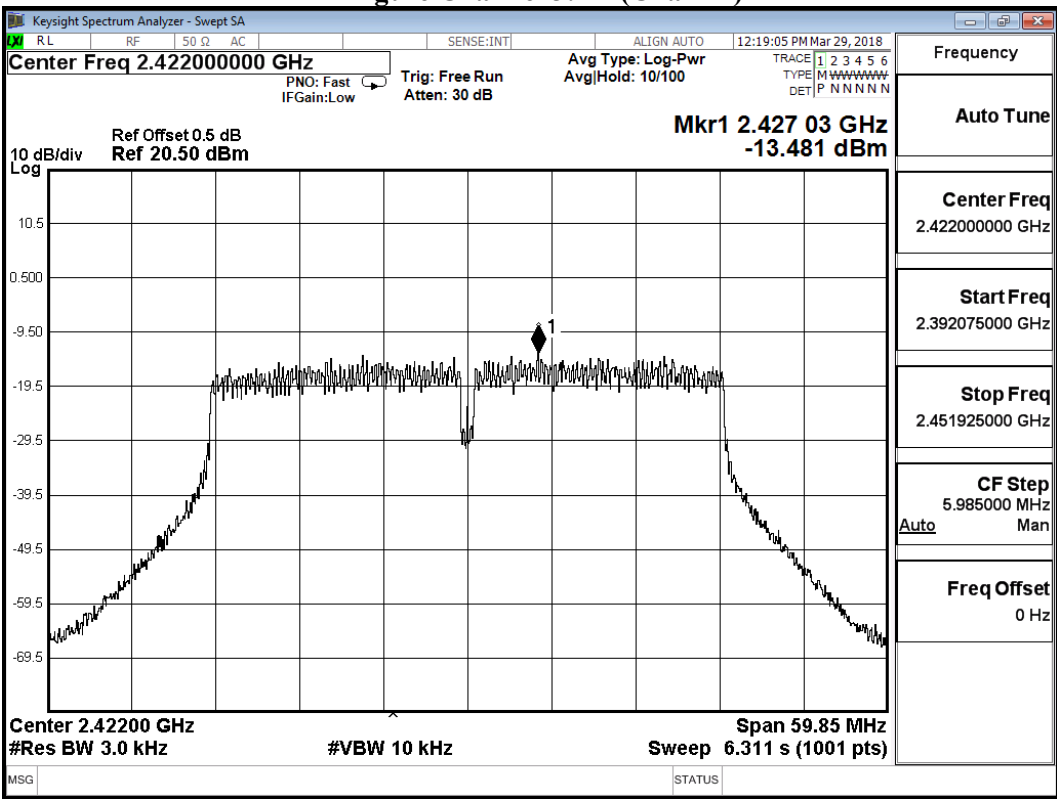


Figure Channel 3: (Chain C)

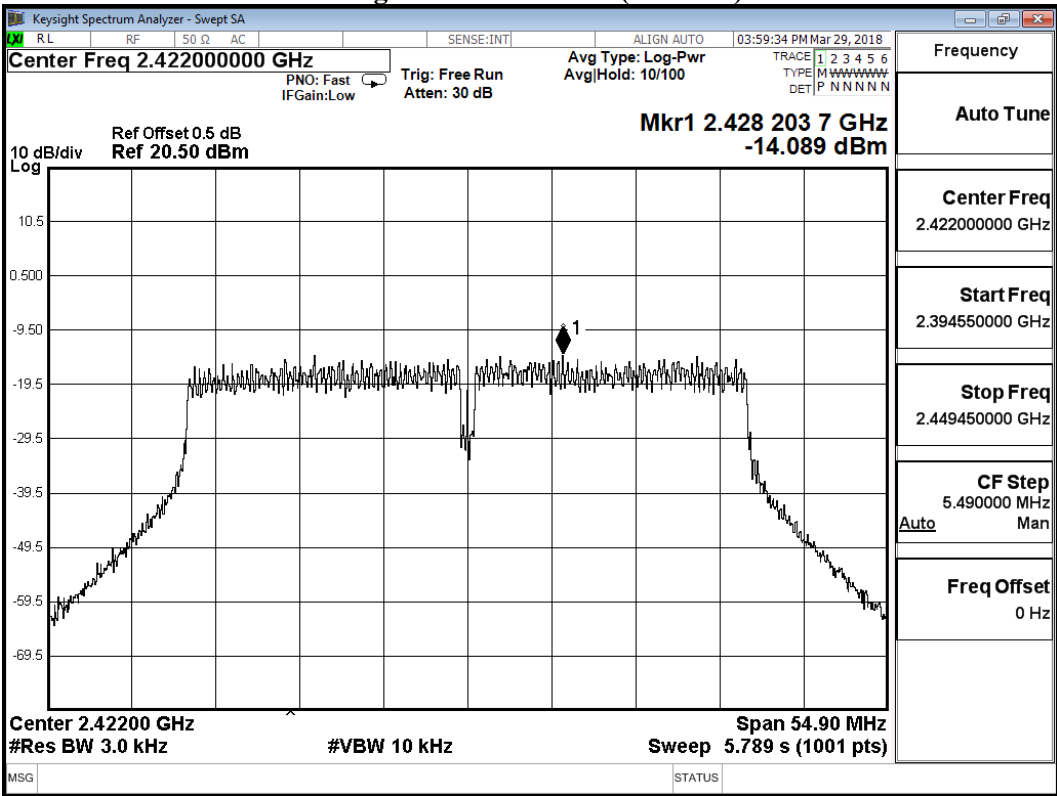
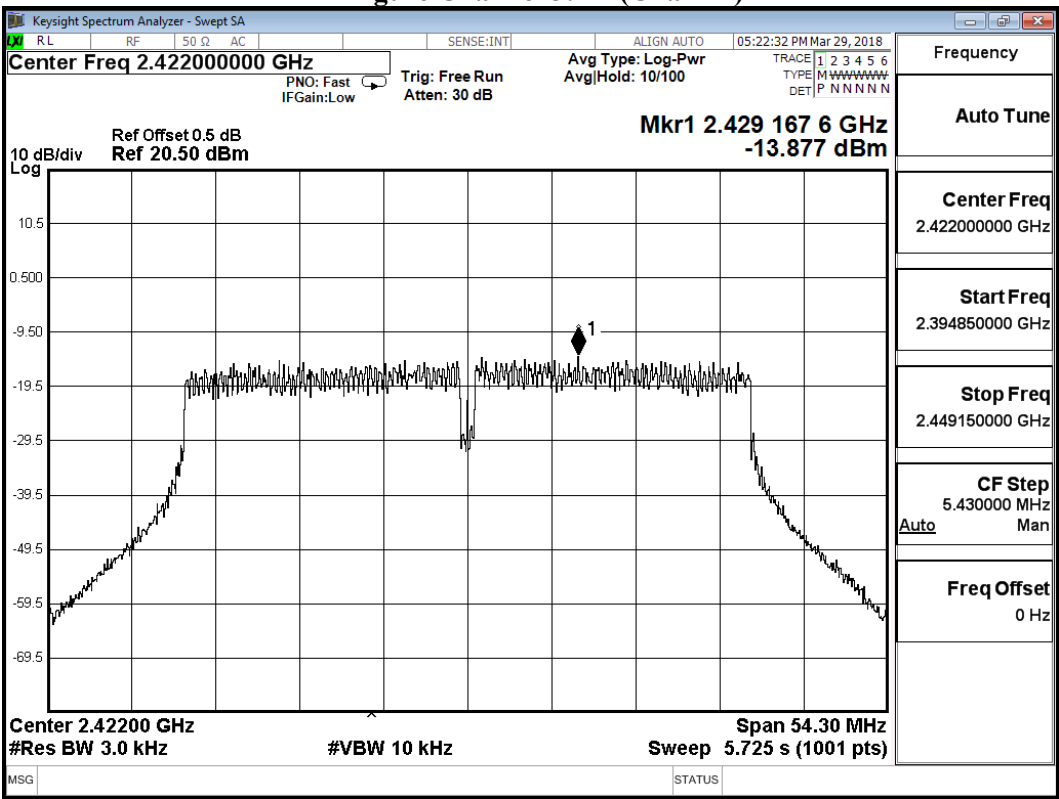


Figure Channel 3: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437MHz) (Antenna No.6)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.552	-6.531	$\leq 8\text{dBm}$	Pass
B	-13.091	-7.070	$\leq 8\text{dBm}$	Pass
C	-13.683	-7.662	$\leq 8\text{dBm}$	Pass
D	-13.378	-7.357	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 6: (Chain A)

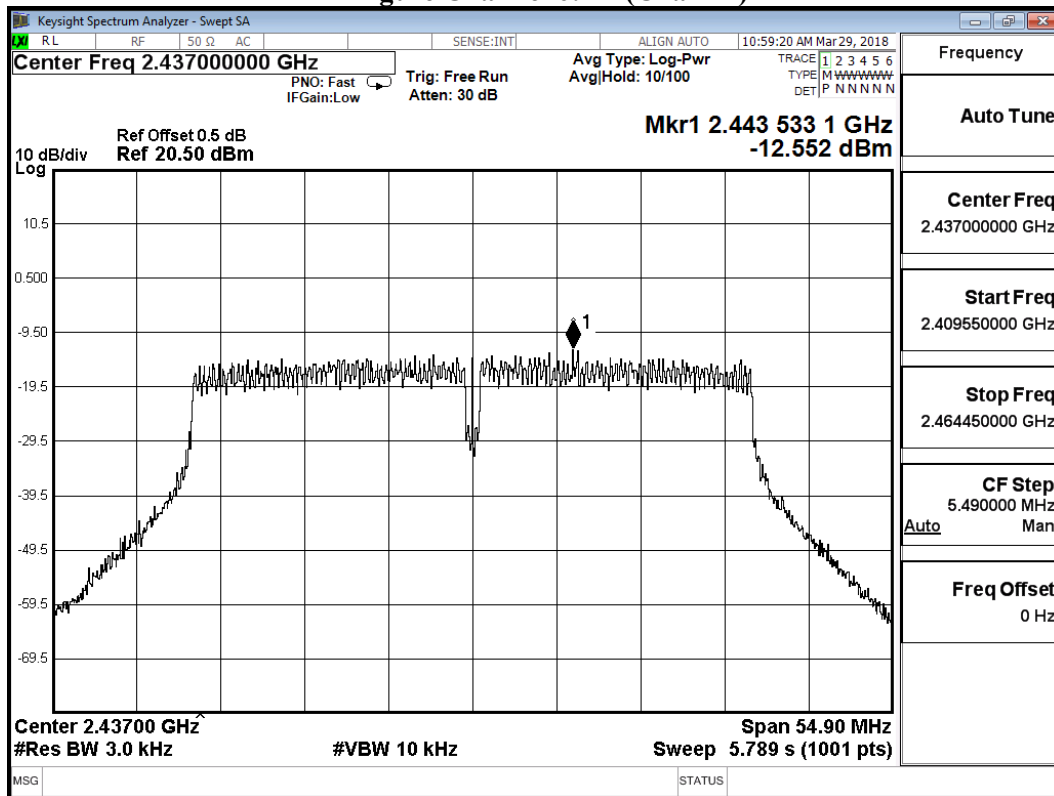


Figure Channel 6: (Chain B)

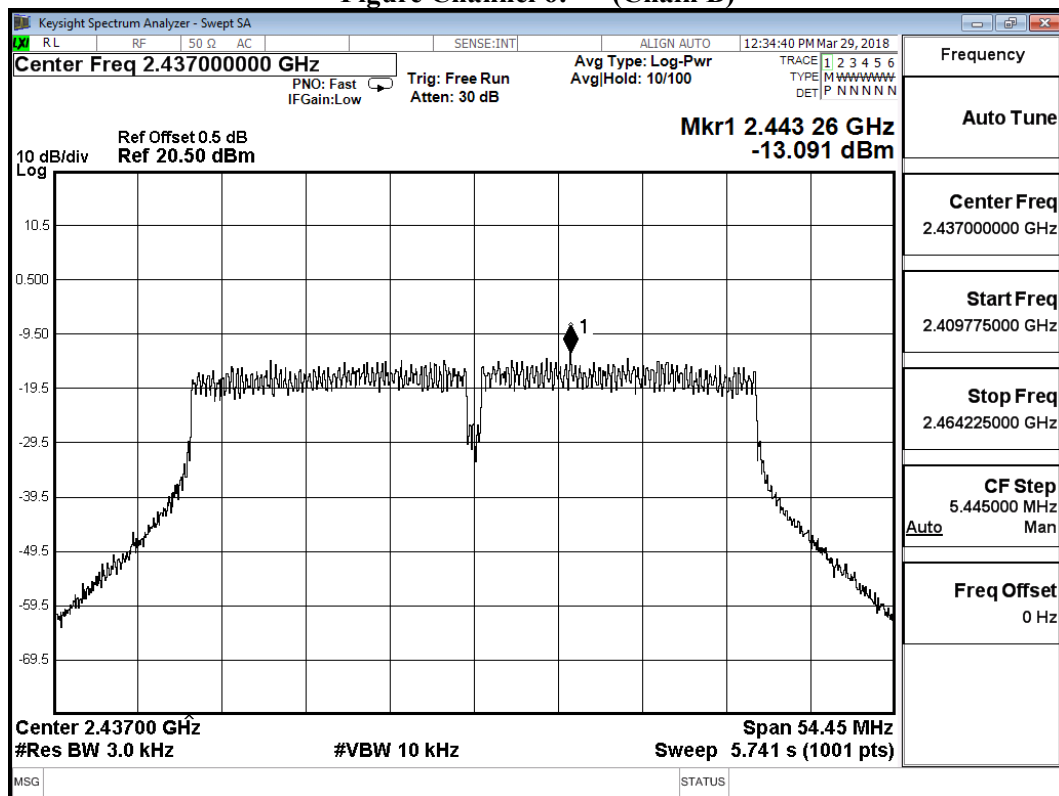


Figure Channel 6: (Chain C)

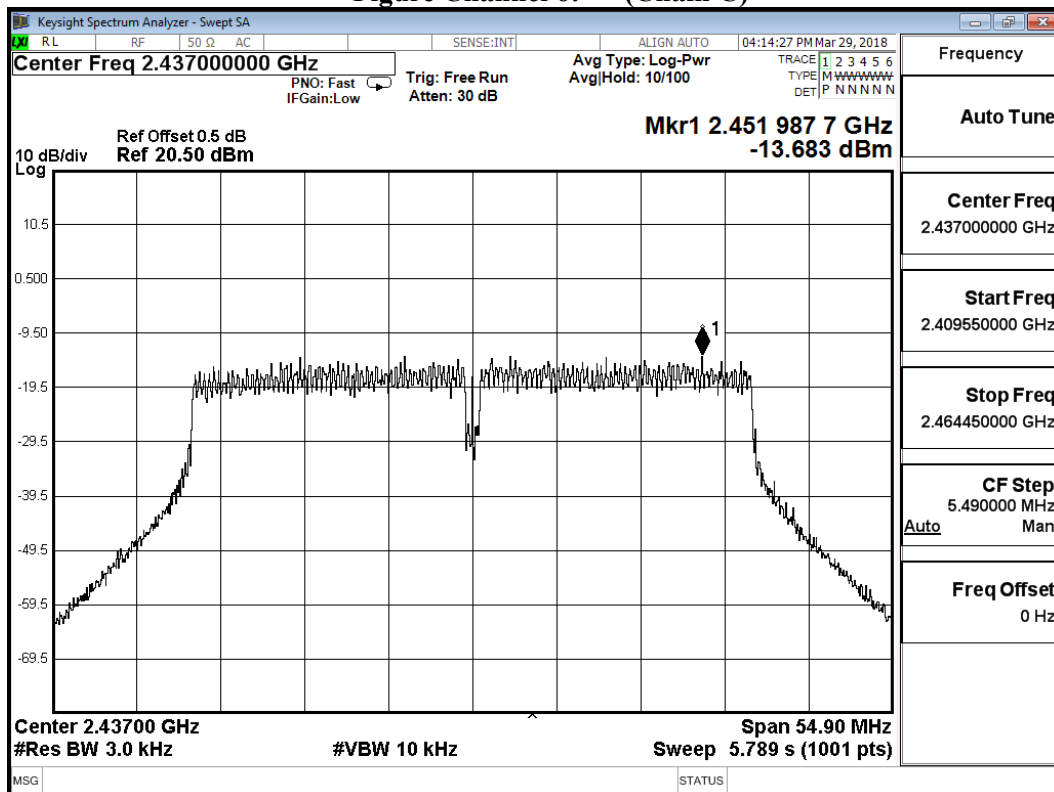
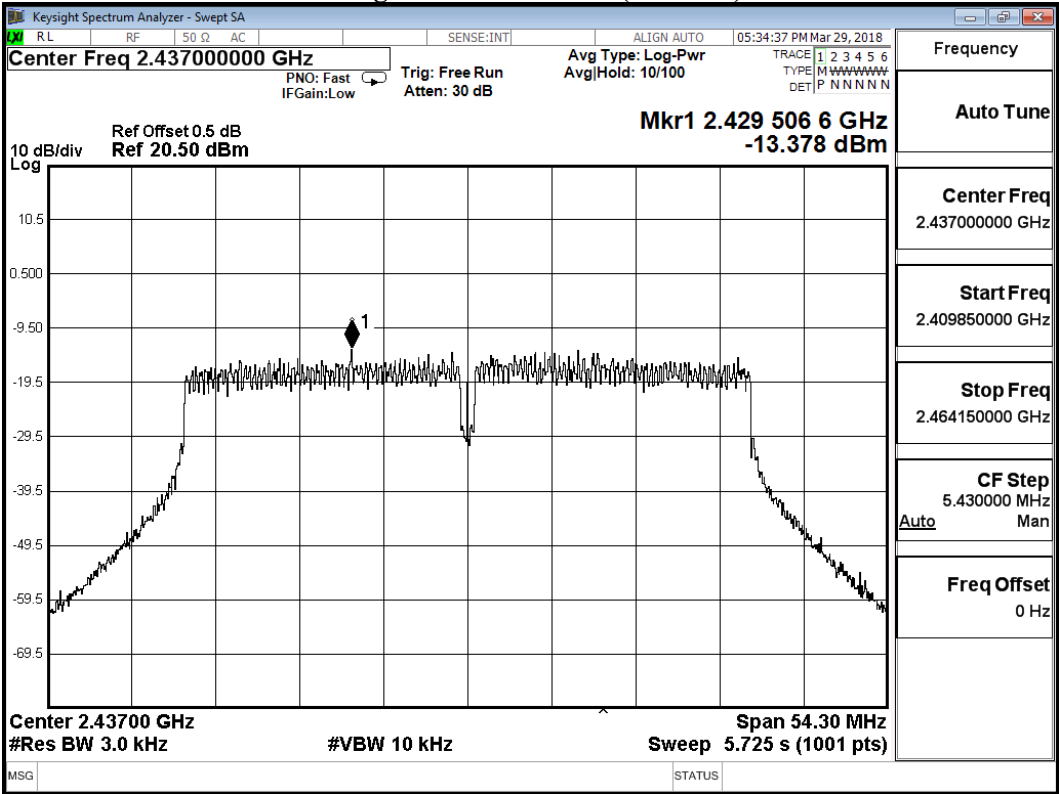


Figure Channel 6: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452MHz) (Antenna No.6)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-11.924	-5.903	$\leq 8\text{dBm}$	Pass
B	-12.415	-6.394	$\leq 8\text{dBm}$	Pass
C	-13.325	-7.304	$\leq 8\text{dBm}$	Pass
D	-13.743	-7.722	$\leq 8\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 9: (Chain A)

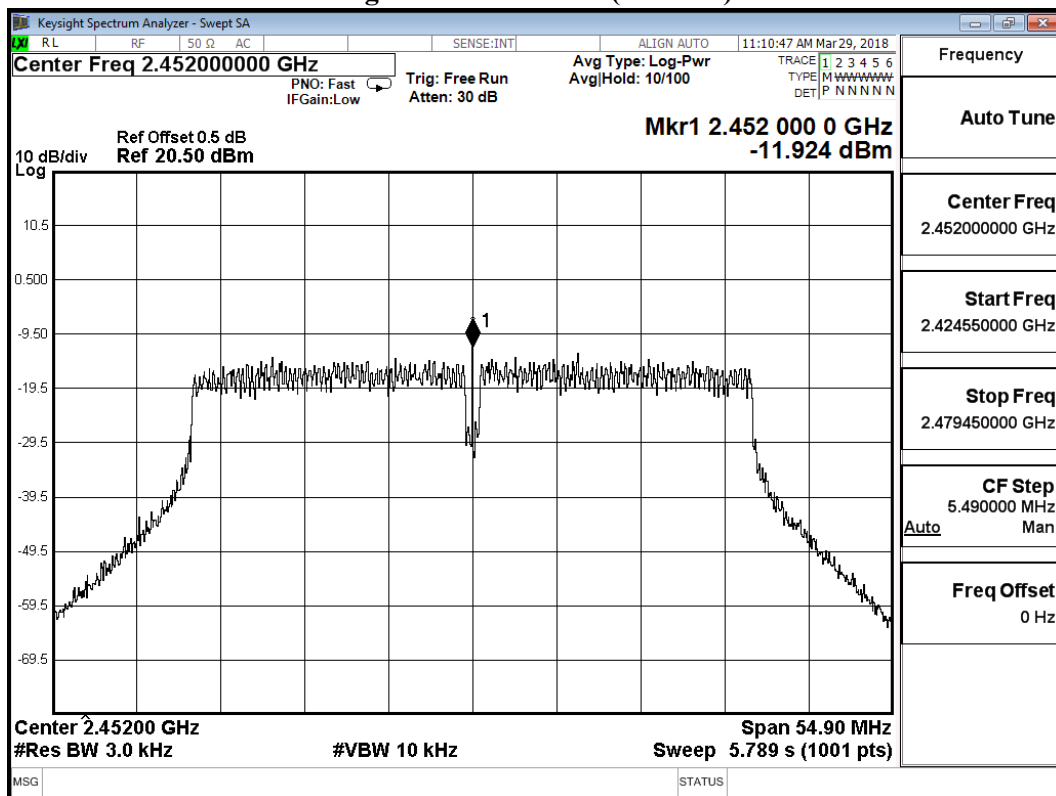


Figure Channel 9: (Chain B)

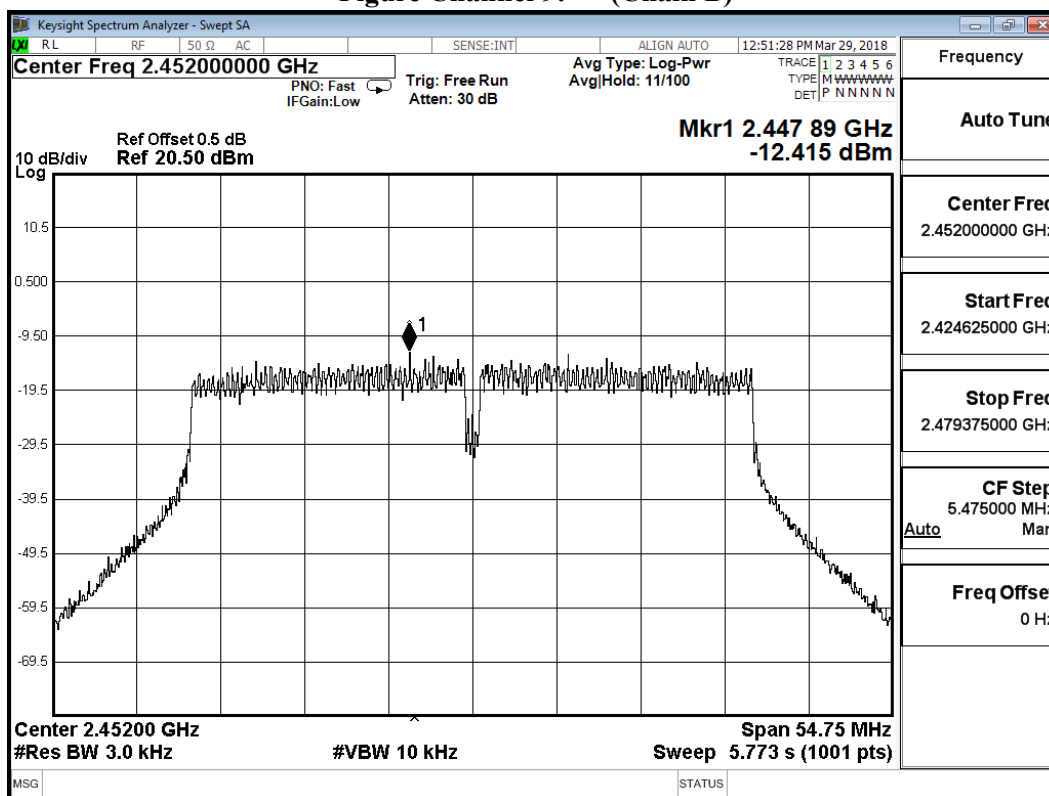


Figure Channel 9: (Chain C)

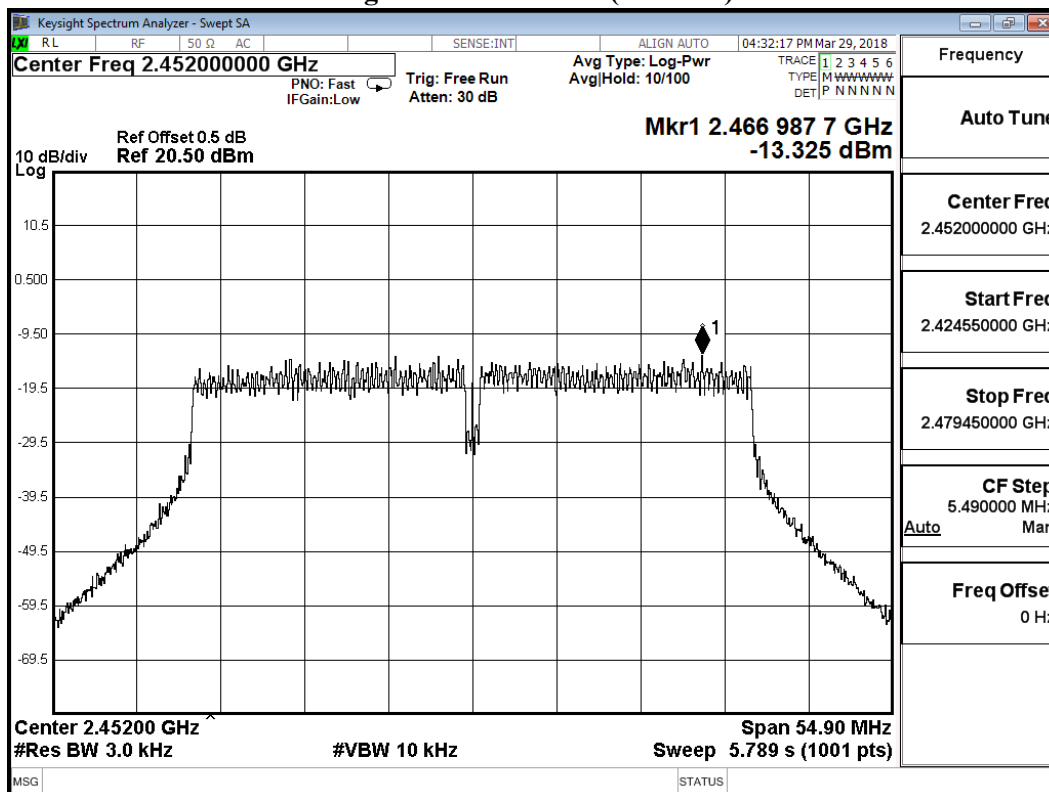
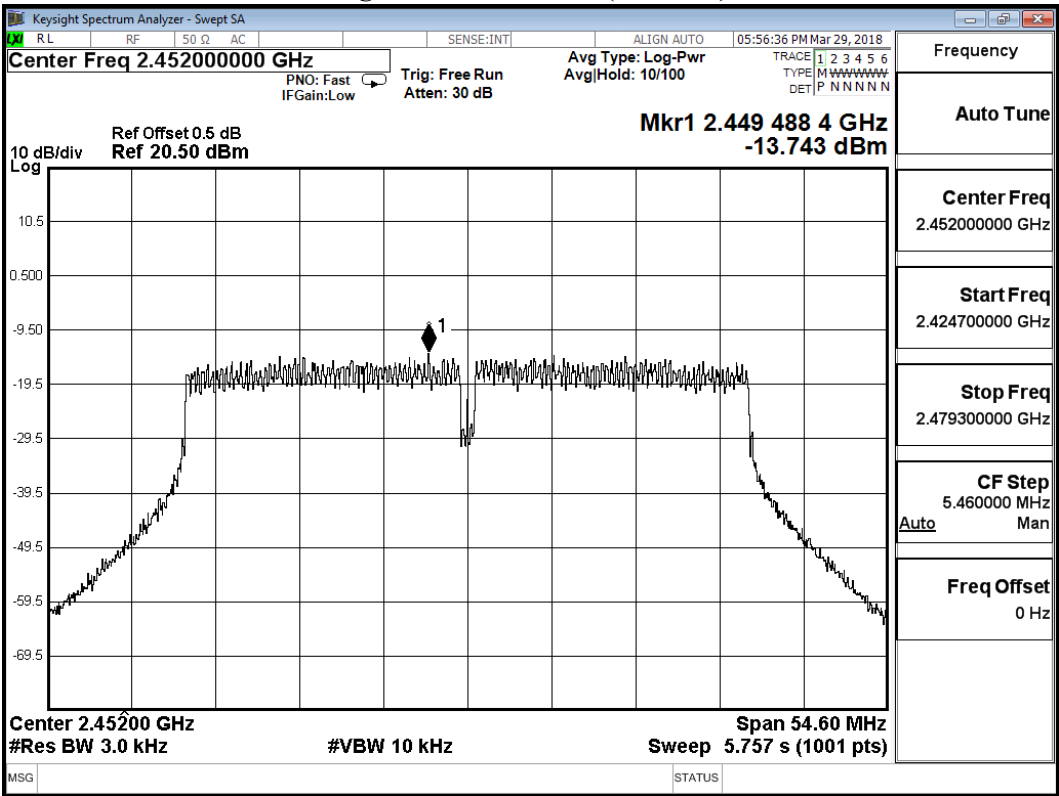


Figure Channel 9: (Chain D)

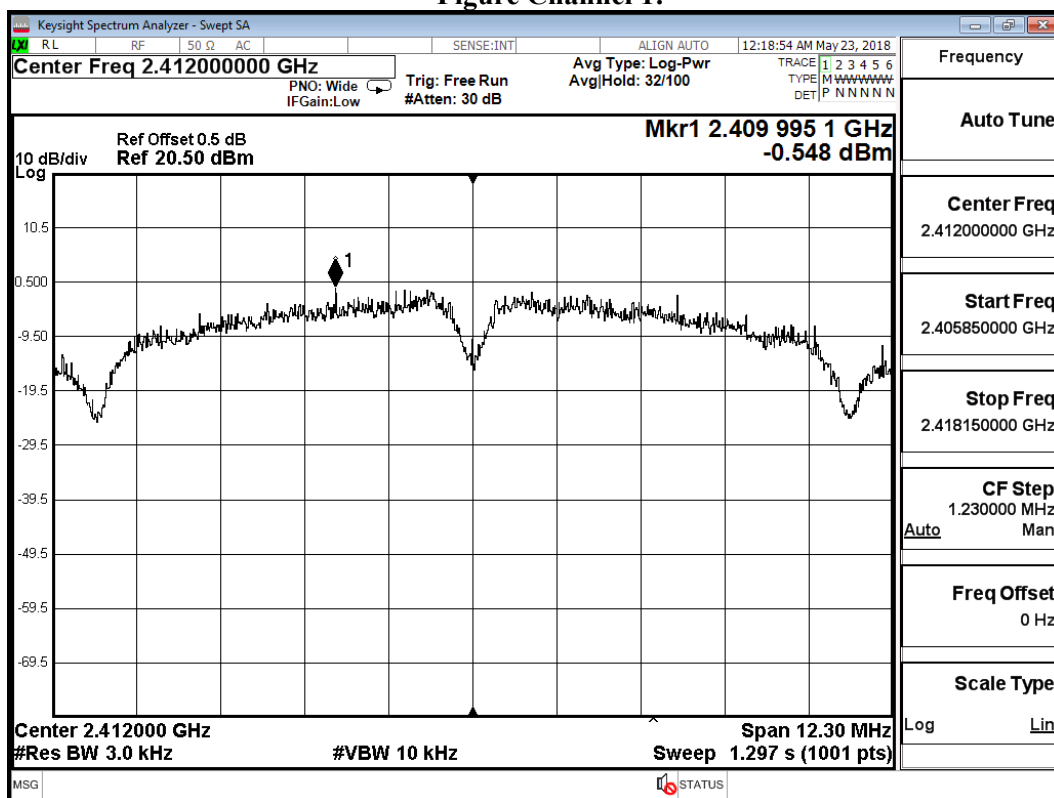


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.17)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-0.548	≤ 5 dBm	Pass

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 1:

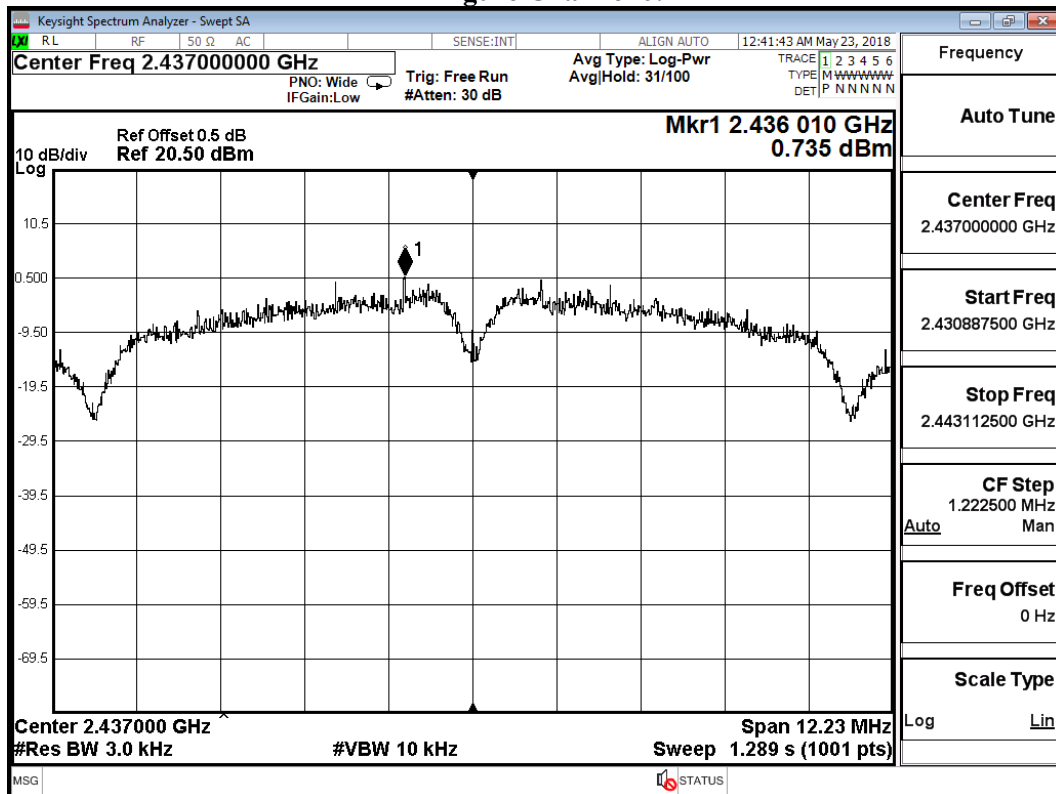


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz) (Antenna No.17)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
6	2437	0.735	$\leq 5\text{dBm}$	Pass

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 6:

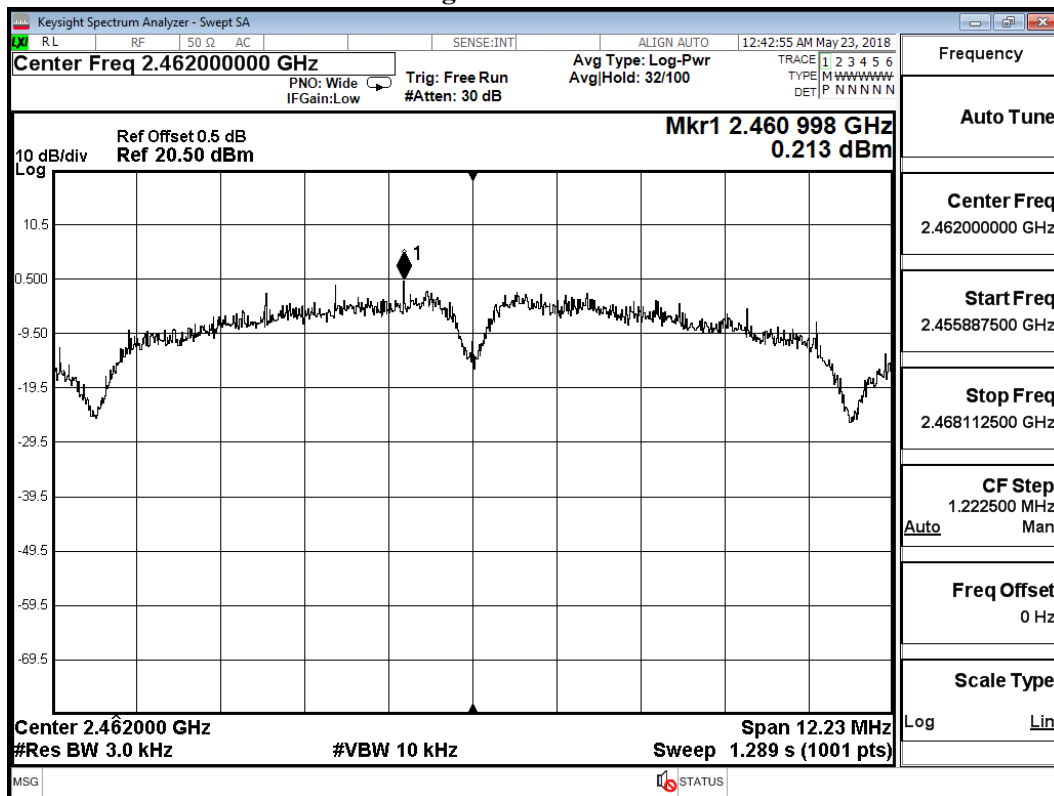


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz) (Antenna No.17)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
11	2462	0.213	$\leq 5\text{dBm}$	Pass

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 11:

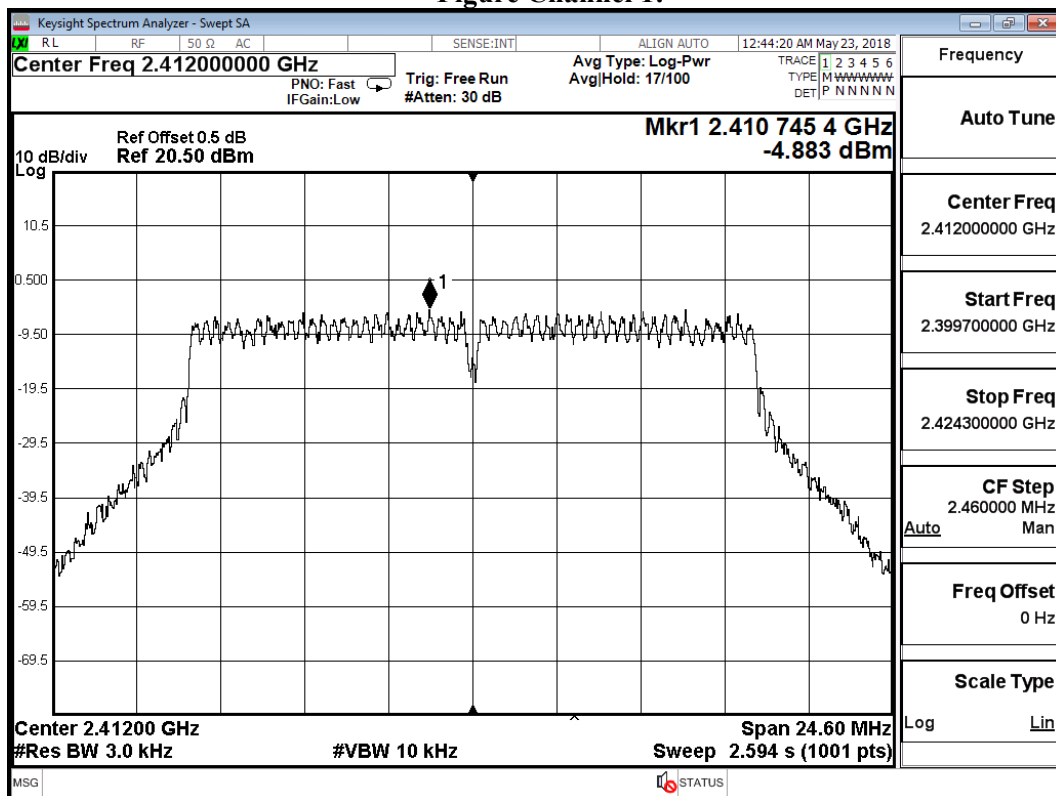


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.17)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.883	$\leq 5\text{dBm}$	Pass

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 1:

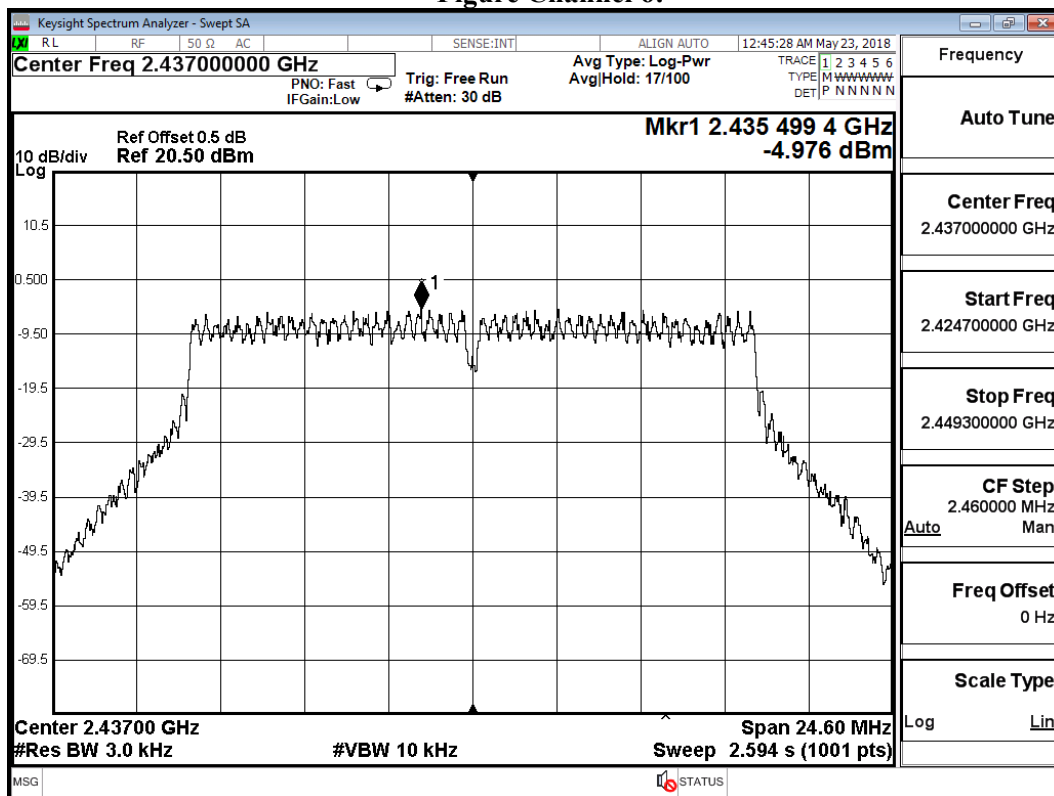


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz) (Antenna No.17)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
6	2437	-4.976	$\leq 5\text{dBm}$	Pass

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 6:

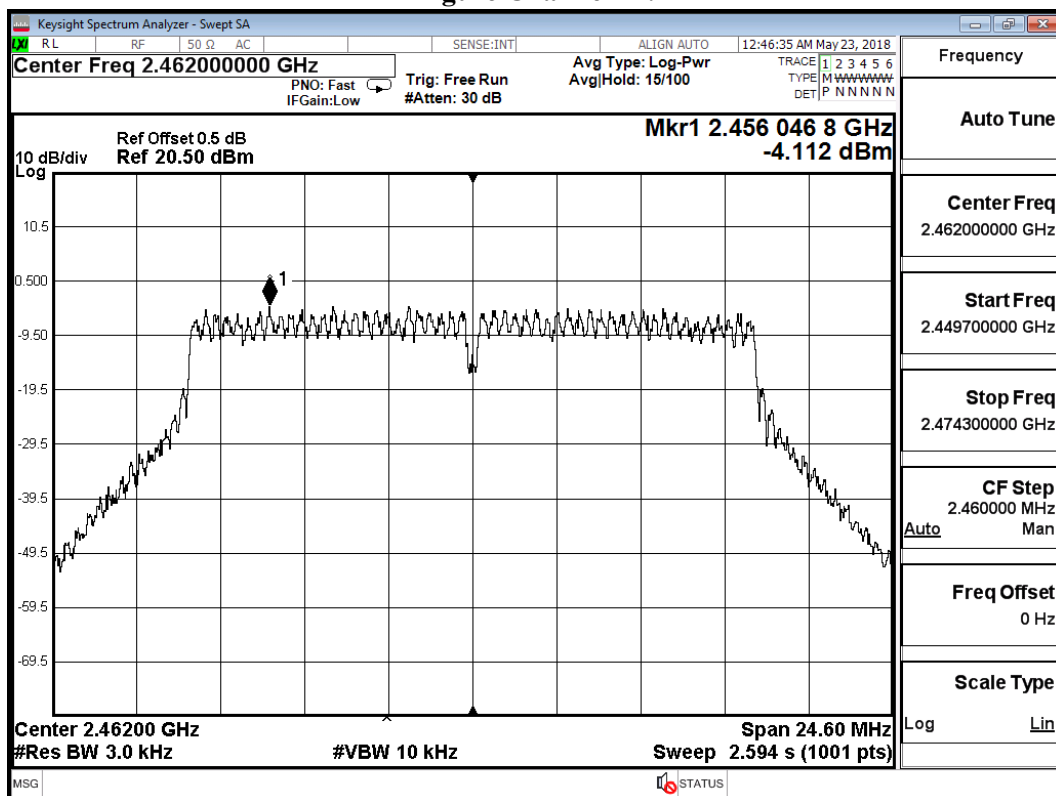


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz) (Antenna No.17)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
11	2462	-4.112	≤ 5 dBm	Pass

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 11:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.17)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.897	-6.876	$\leq 5\text{dBm}$	Pass
B	-13.437	-7.416	$\leq 5\text{dBm}$	Pass
C	-13.603	-7.582	$\leq 5\text{dBm}$	Pass
D	-13.356	-7.335	$\leq 5\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 1: (Chain A)

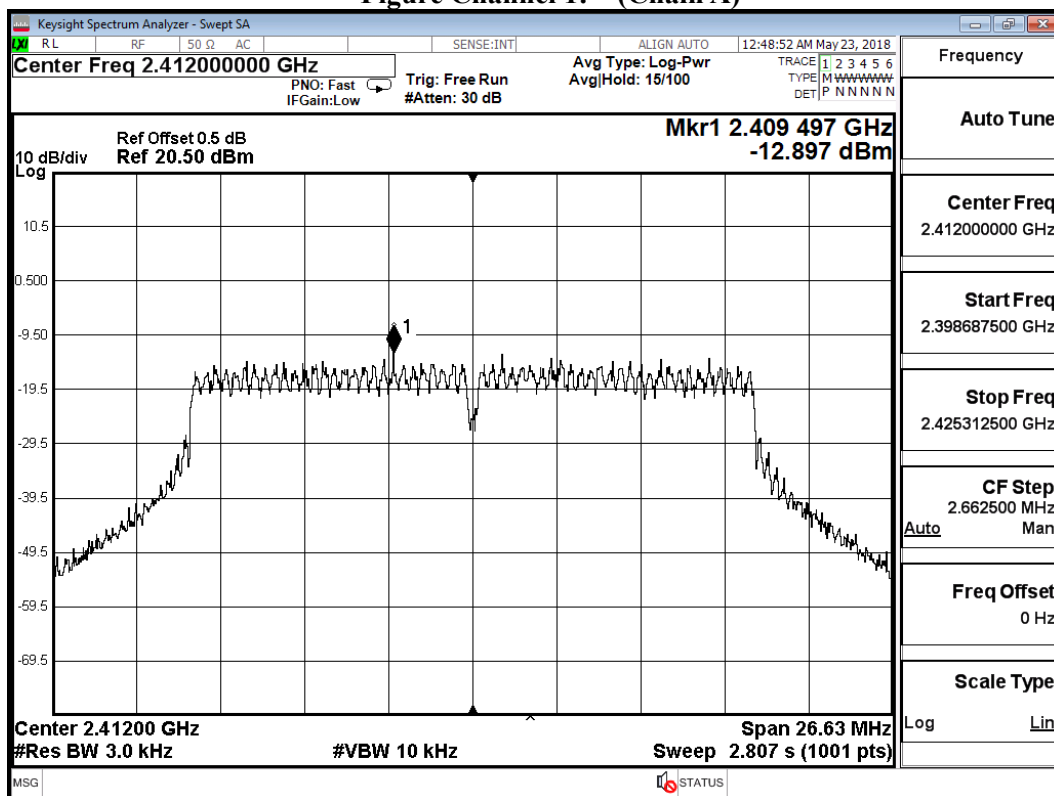


Figure Channel 1: (Chain B)

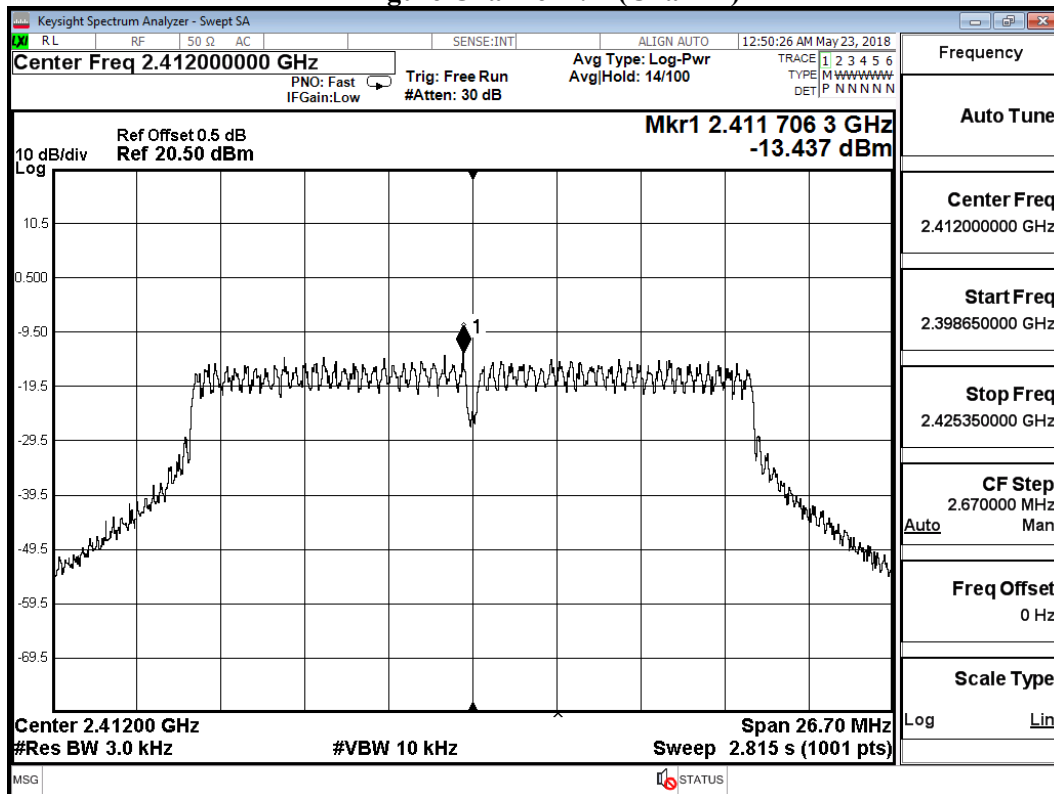


Figure Channel 1: (Chain C)

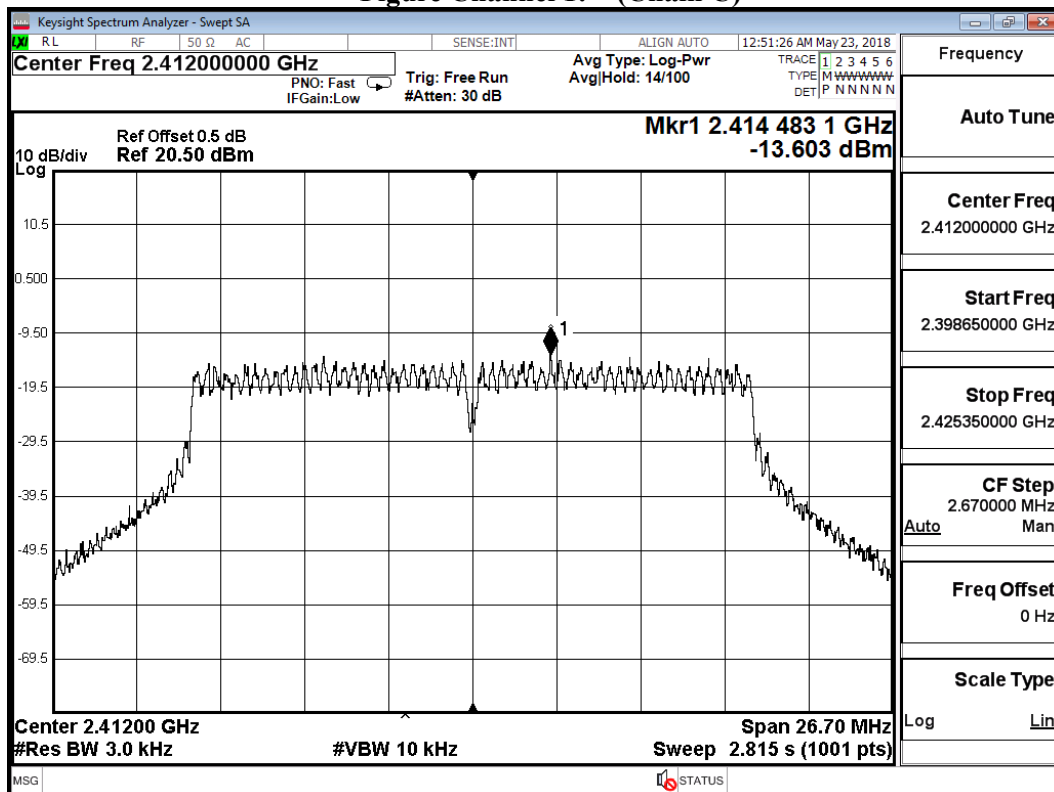
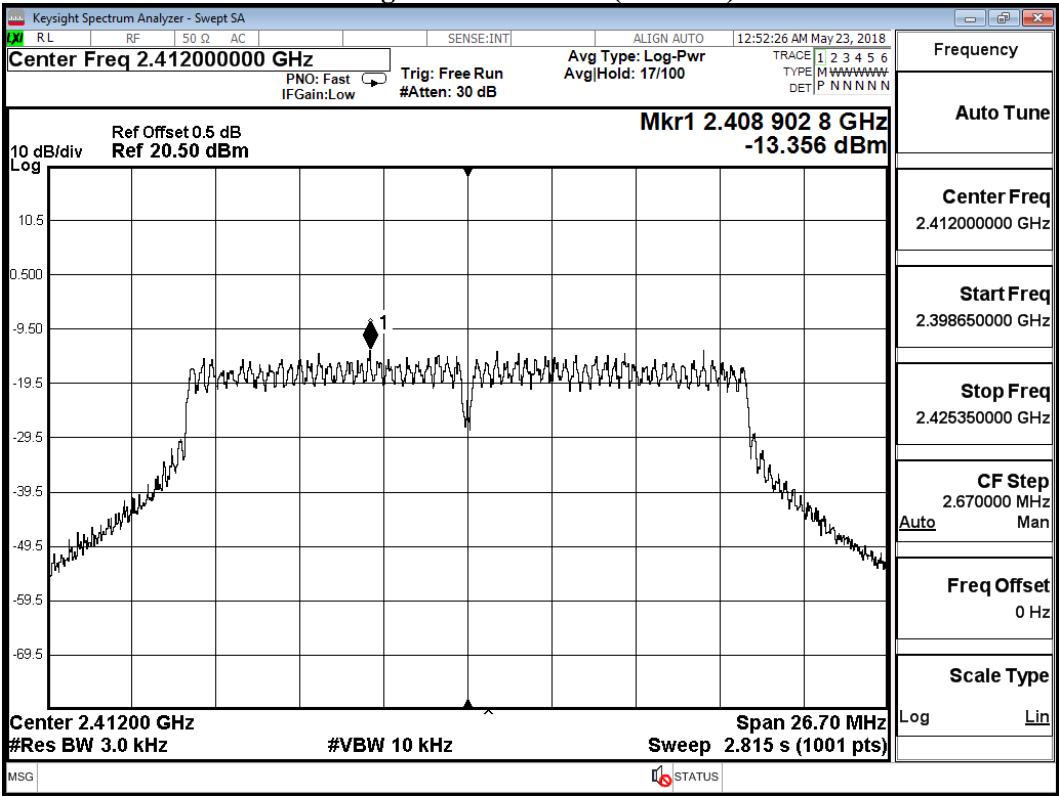


Figure Channel 1: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437MHz) (Antenna No.17)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-13.165	-7.144	≤ 5 dBm	Pass
B	-14.049	-8.028	≤ 5 dBm	Pass
C	-13.069	-7.048	≤ 5 dBm	Pass
D	-13.453	-7.432	≤ 5 dBm	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 6: (Chain A)

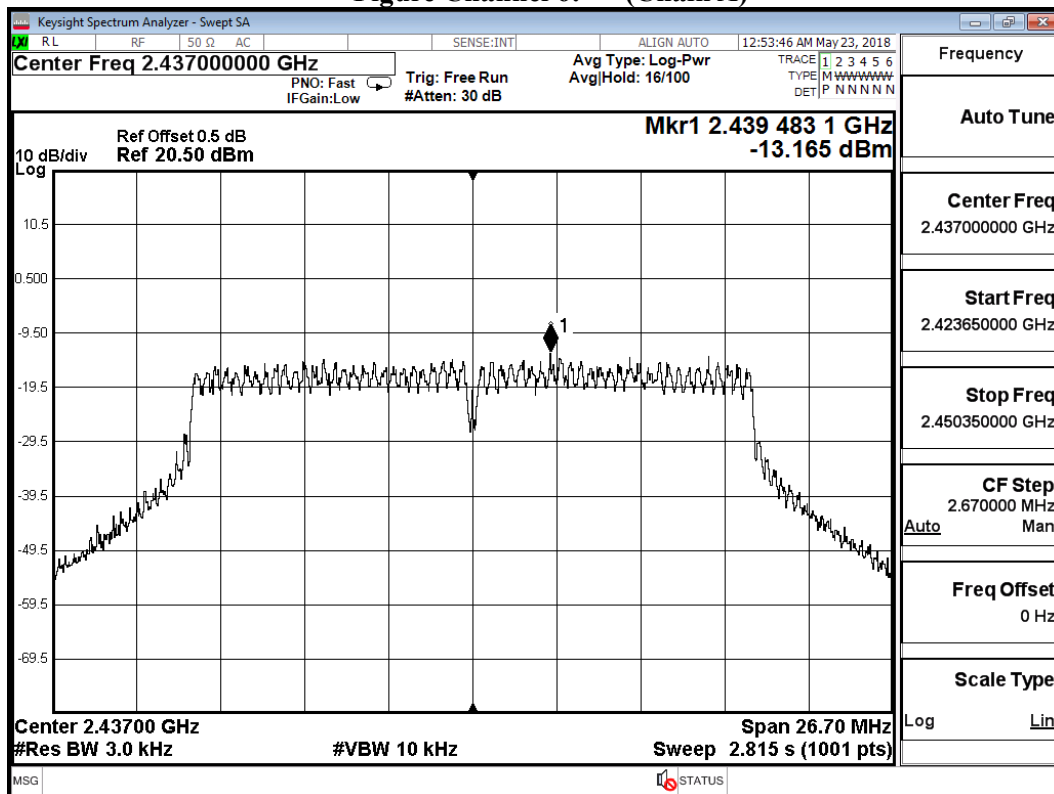


Figure Channel 6: (Chain B)

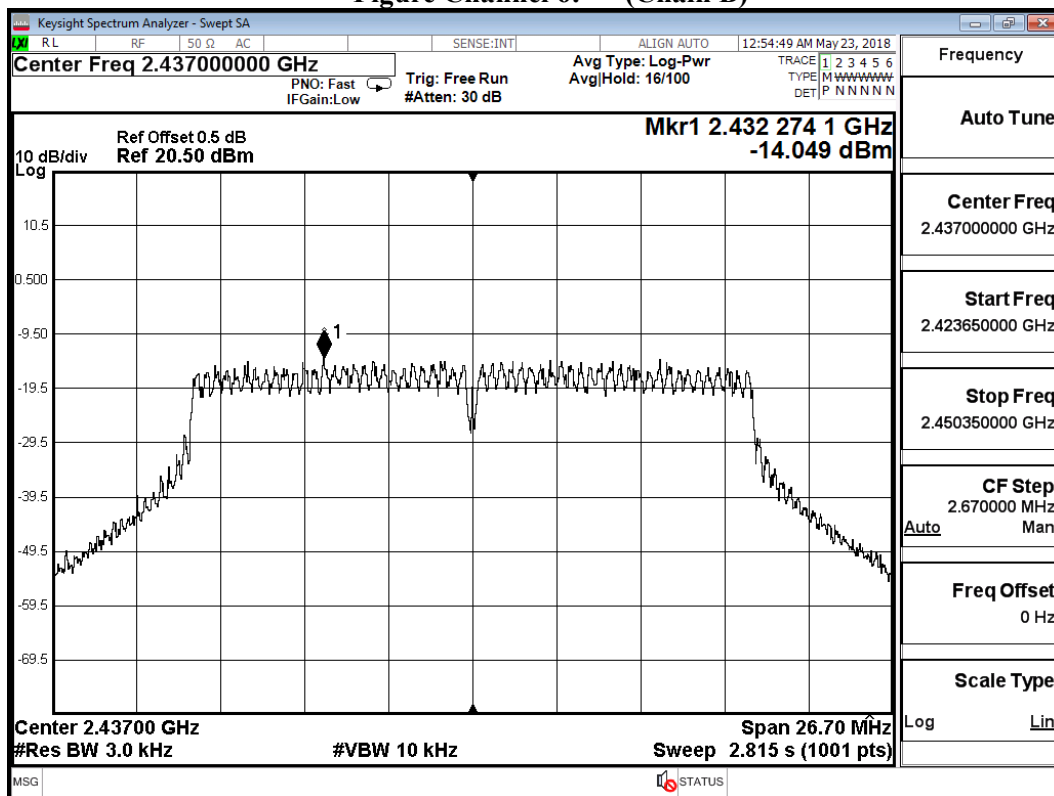


Figure Channel 6: (Chain C)

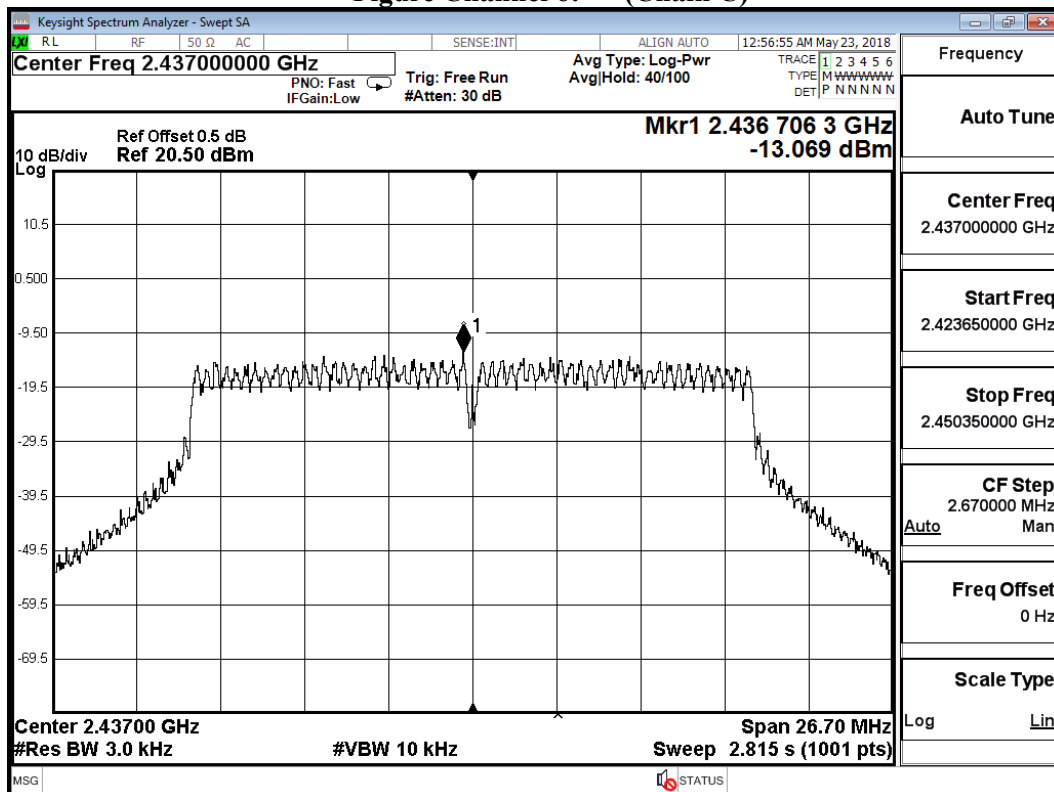
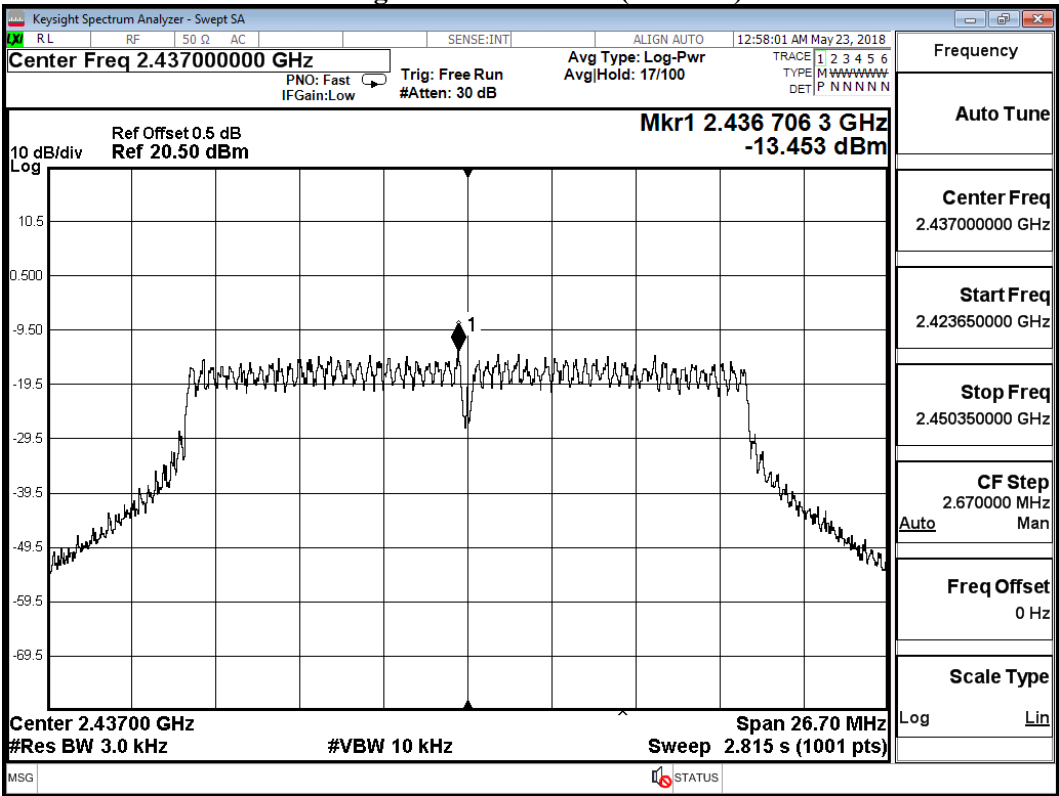


Figure Channel 6: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462MHz) (Antenna No.17)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-14.230	-8.209	≤ 5 dBm	Pass
B	-14.541	-8.520	≤ 5 dBm	Pass
C	-13.770	-7.749	≤ 5 dBm	Pass
D	-13.778	-7.757	≤ 5 dBm	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 11: (Chain A)

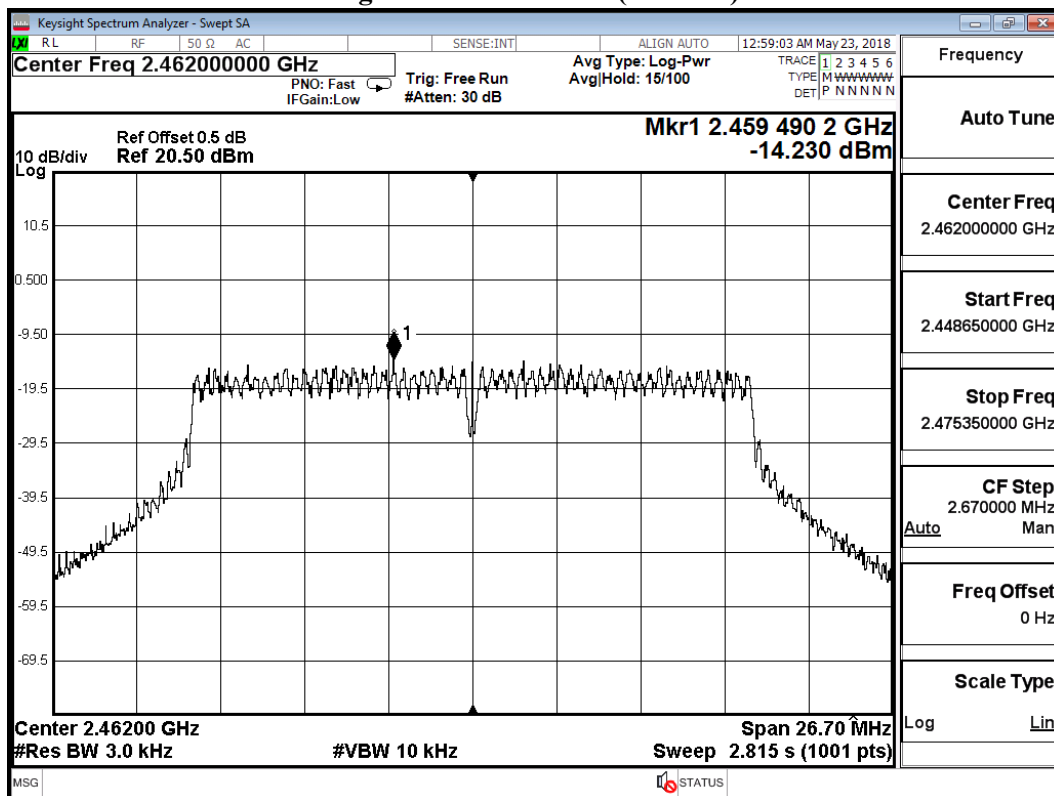


Figure Channel 11: (Chain B)

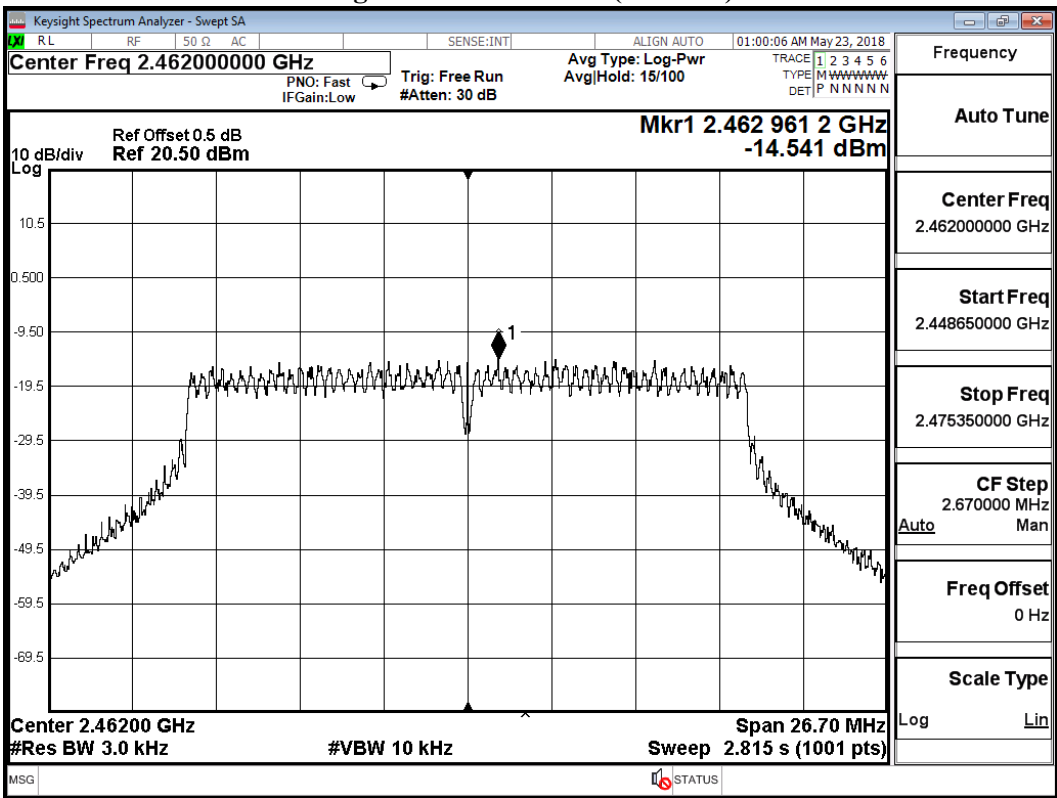


Figure Channel 11: (Chain C)

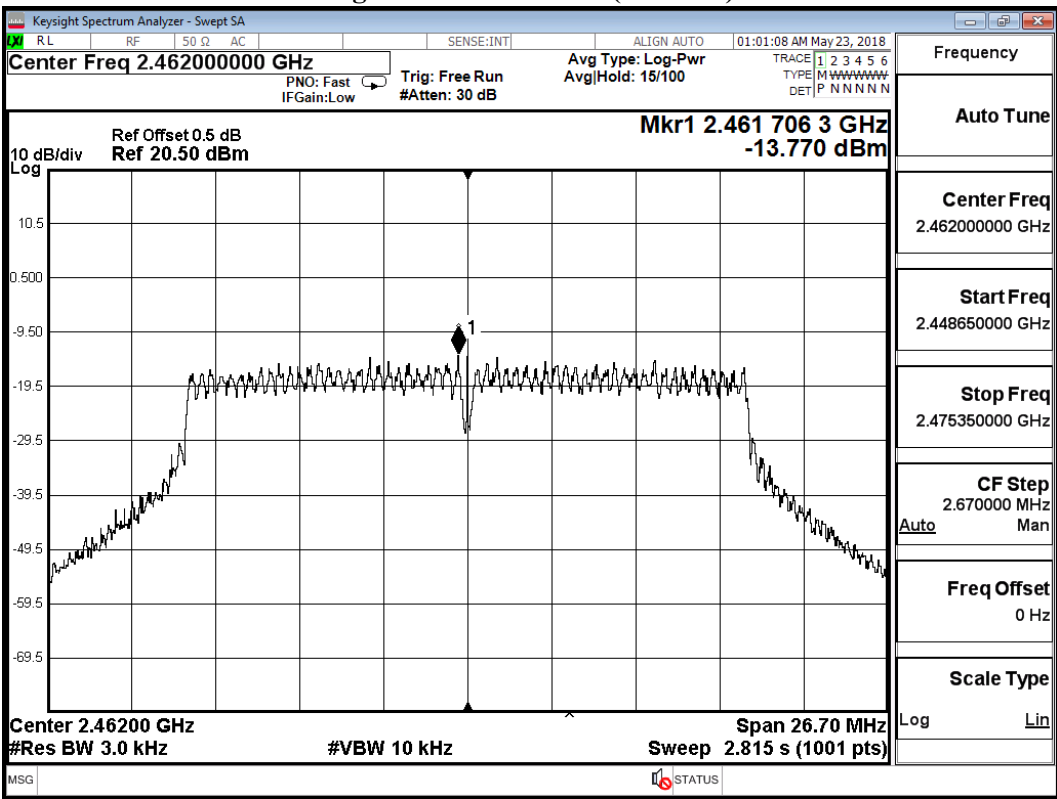
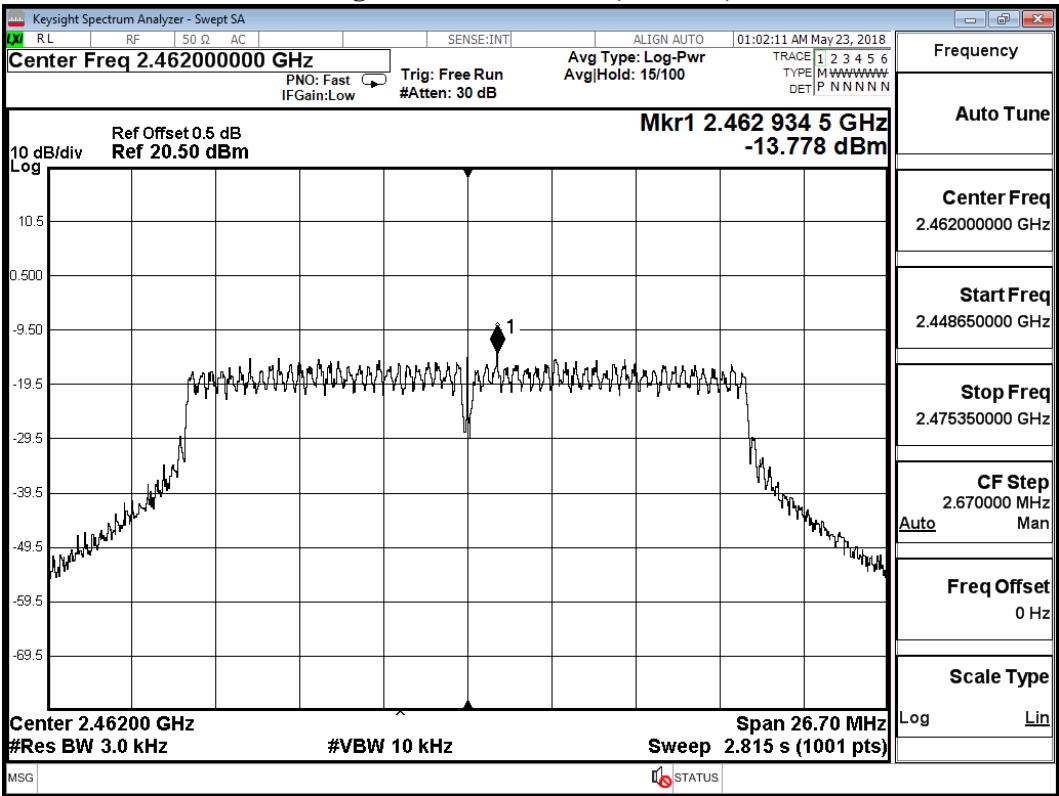


Figure Channel 11: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.17)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-14.377	-8.356	≤ 5 dBm	Pass
B	-16.430	-10.409	≤ 5 dBm	Pass
C	-17.327	-11.306	≤ 5 dBm	Pass
D	-17.416	-11.395	≤ 5 dBm	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 3: (Chain A)

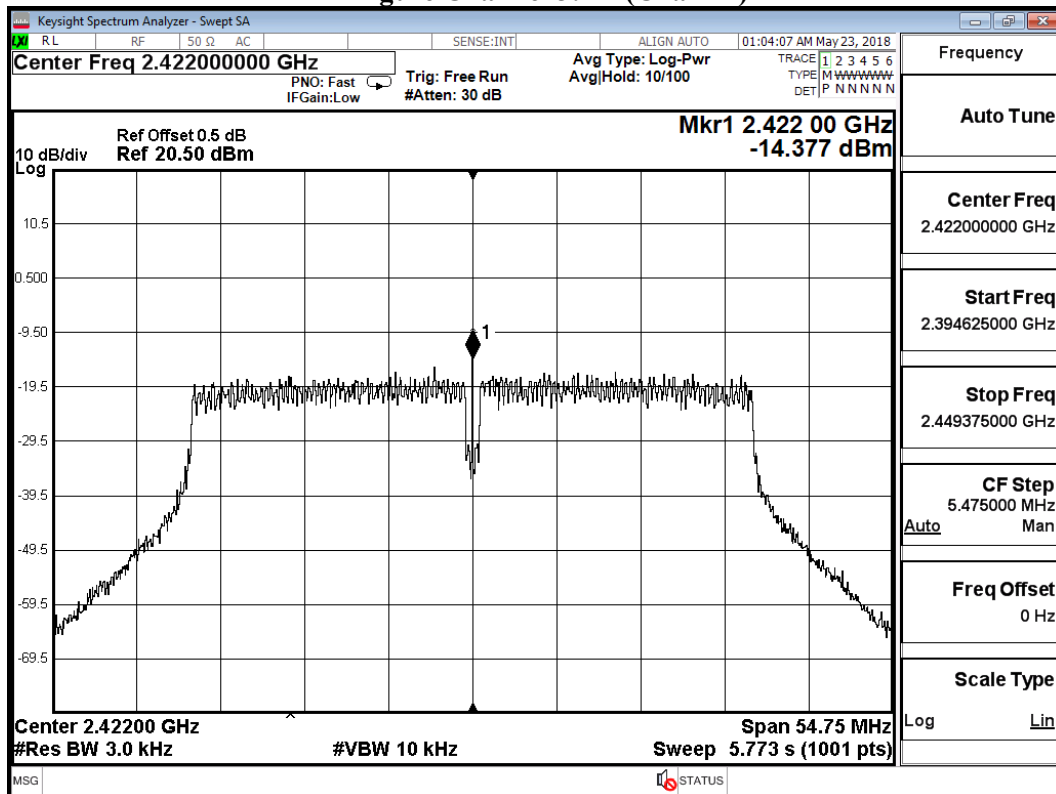


Figure Channel 3: (Chain B)

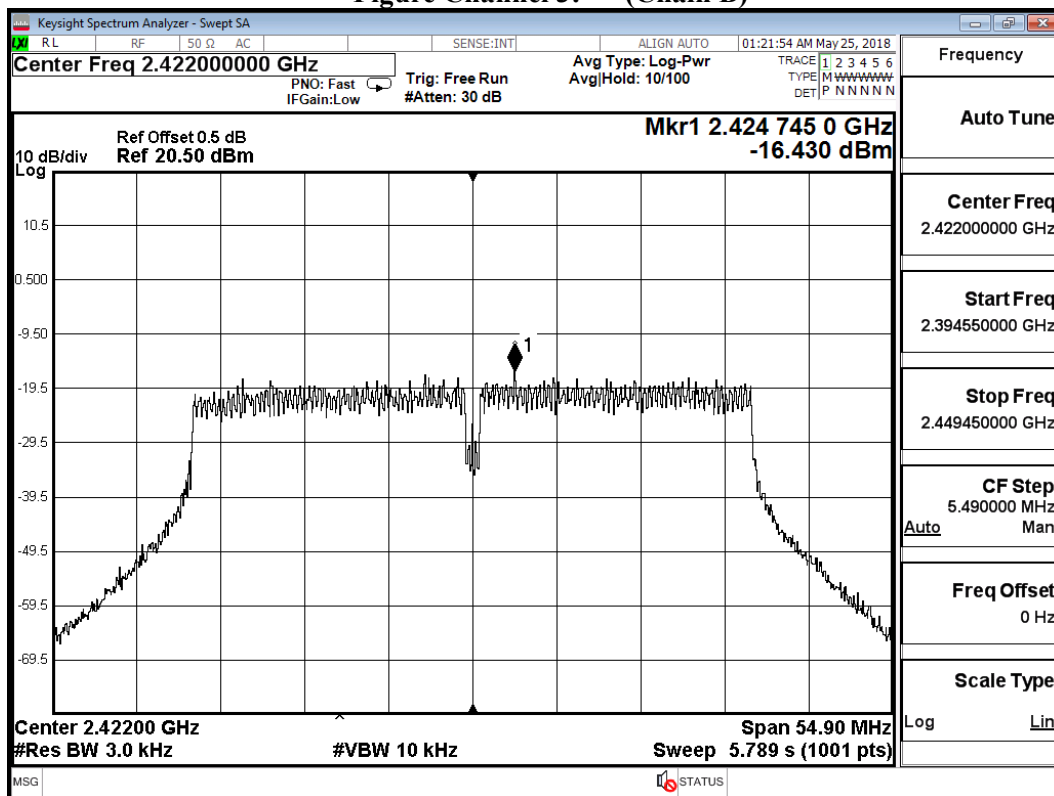


Figure Channel 3: (Chain C)

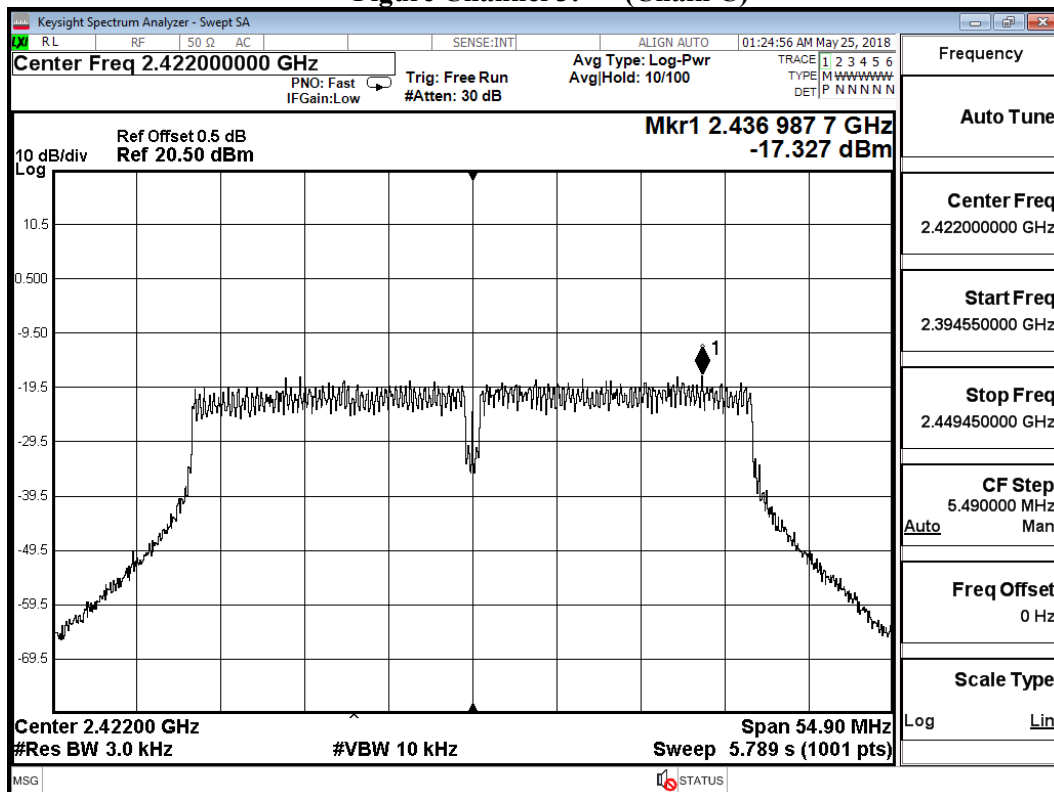
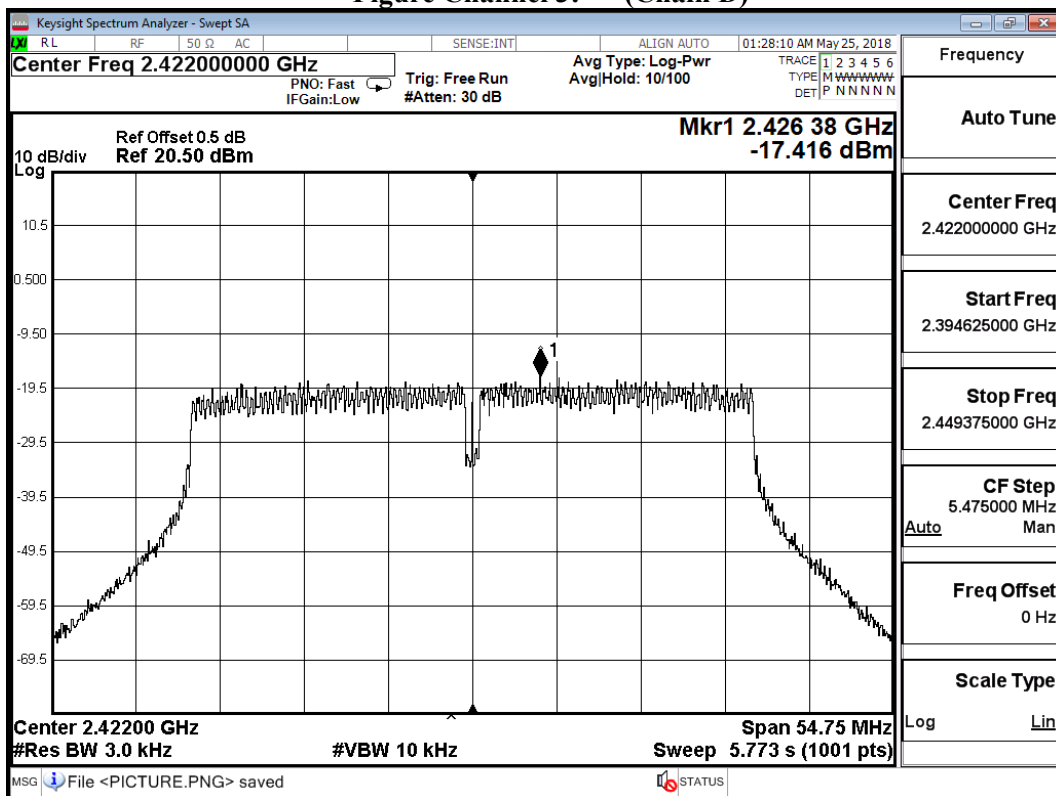


Figure Channel 3: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437MHz) (Antenna No.17)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.228	-6.207	≤ 5 dBm	Pass
B	-17.134	-11.113	≤ 5 dBm	Pass
C	-17.072	-11.051	≤ 5 dBm	Pass
D	-17.370	-11.349	≤ 5 dBm	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 6: (Chain A)

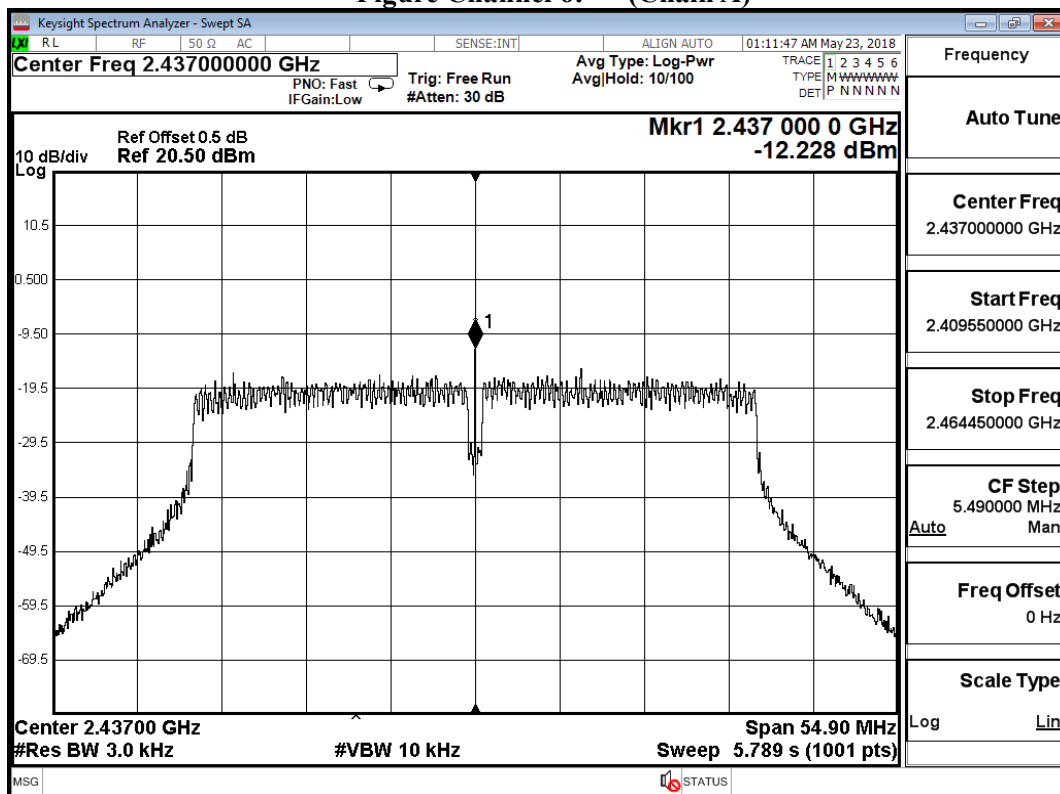


Figure Channel 6: (Chain B)

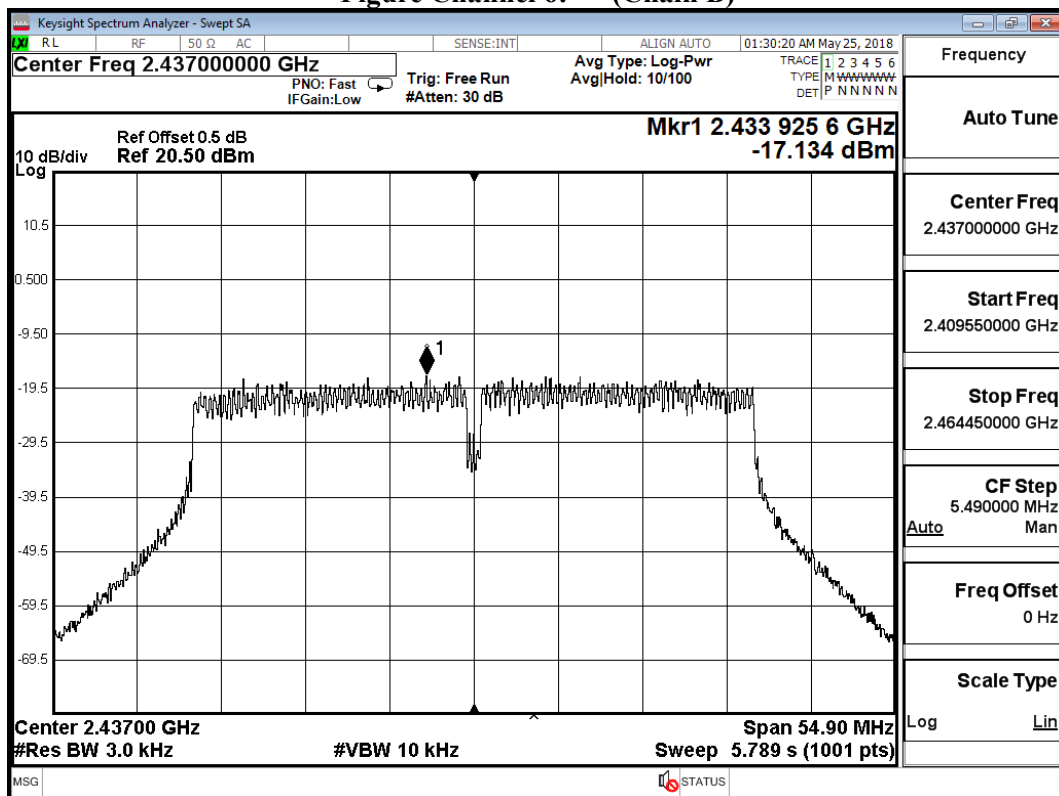


Figure Channel 6: (Chain C)

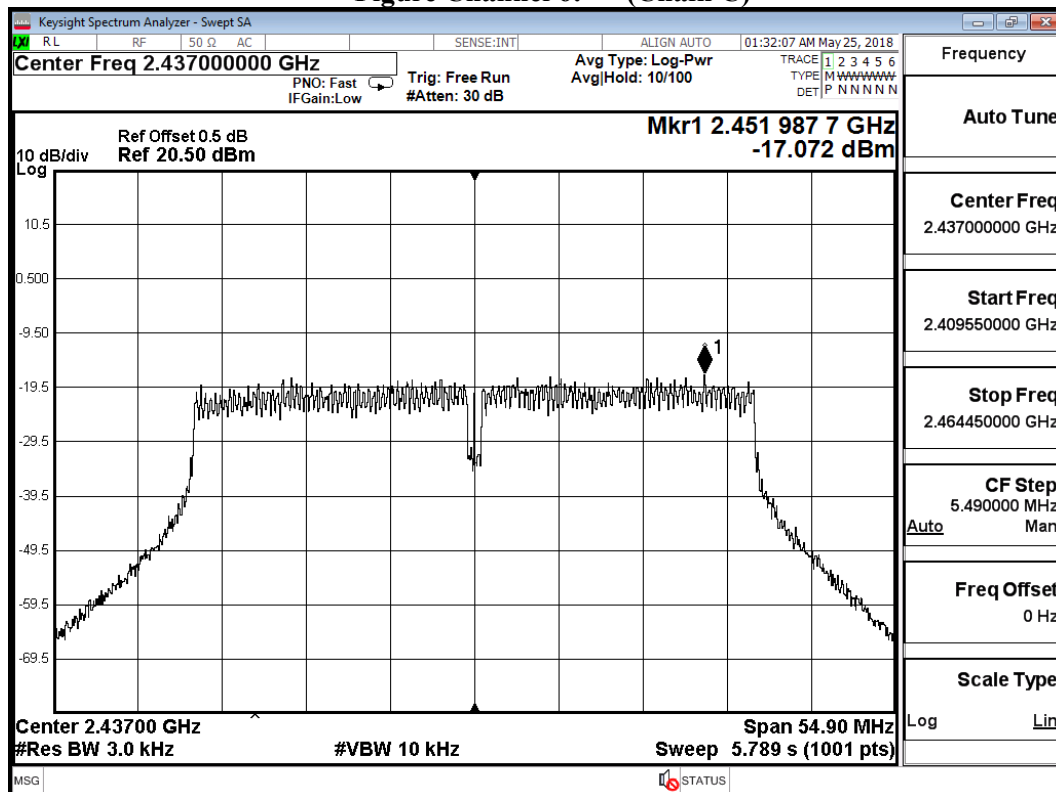
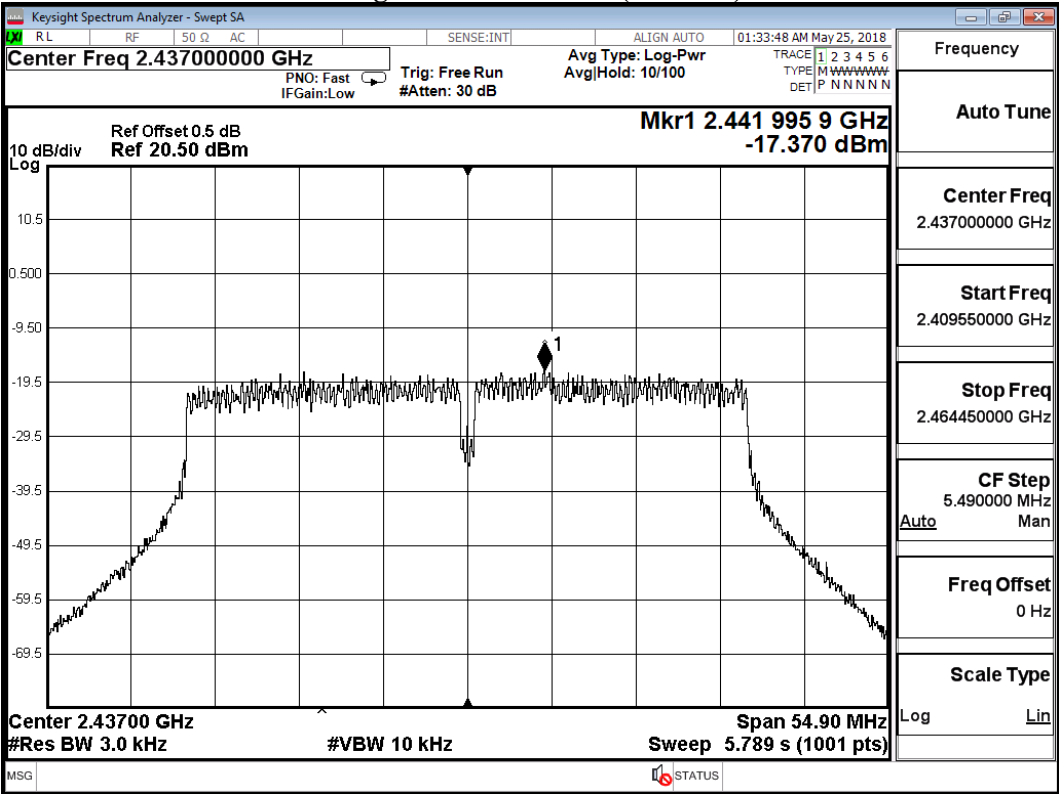


Figure Channel 6: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452MHz) (Antenna No.17)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.001	-5.980	$\leq 5\text{dBm}$	Pass
B	-16.672	-10.651	$\leq 5\text{dBm}$	Pass
C	-16.291	-10.270	$\leq 5\text{dBm}$	Pass
D	-16.601	-10.580	$\leq 5\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: The peak power spectral density shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Figure Channel 9: (Chain A)

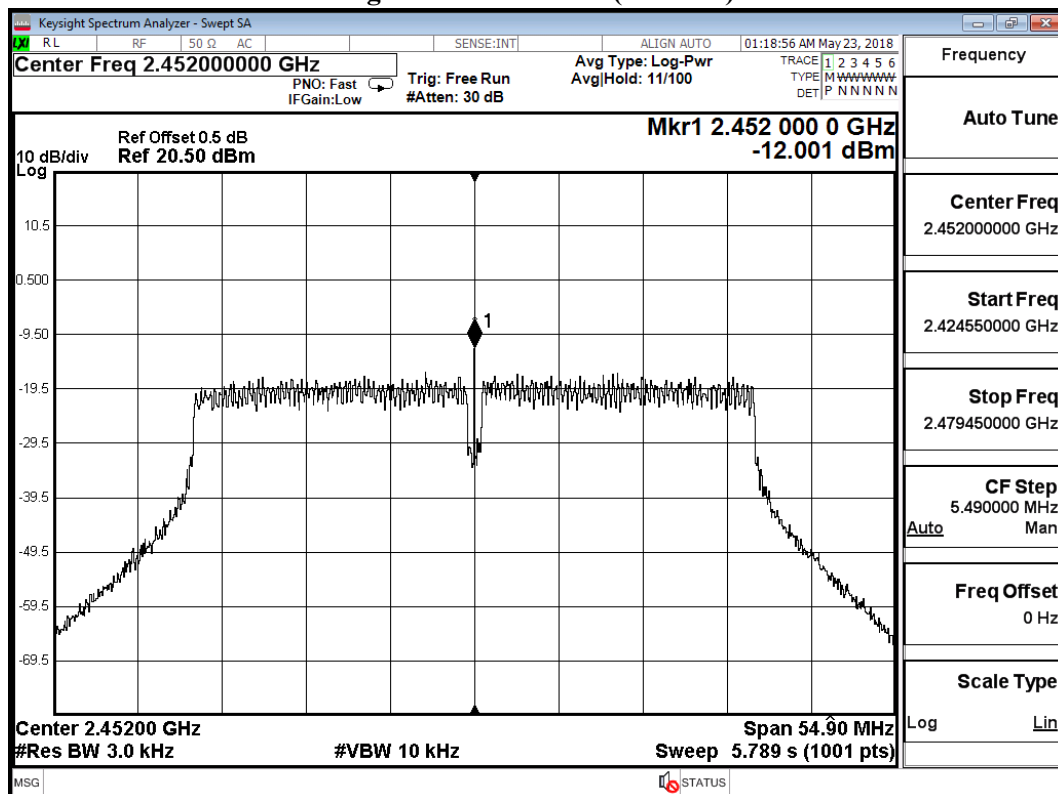


Figure Channel 9: (Chain B)

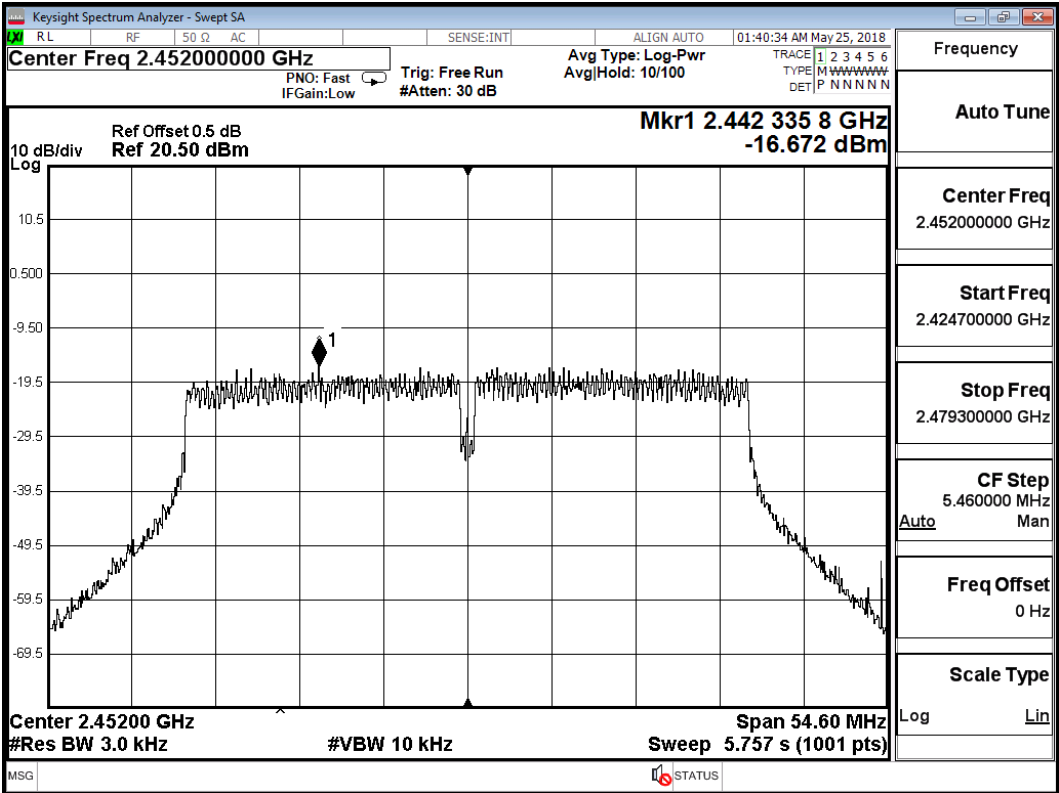


Figure Channel 9: (Chain C)

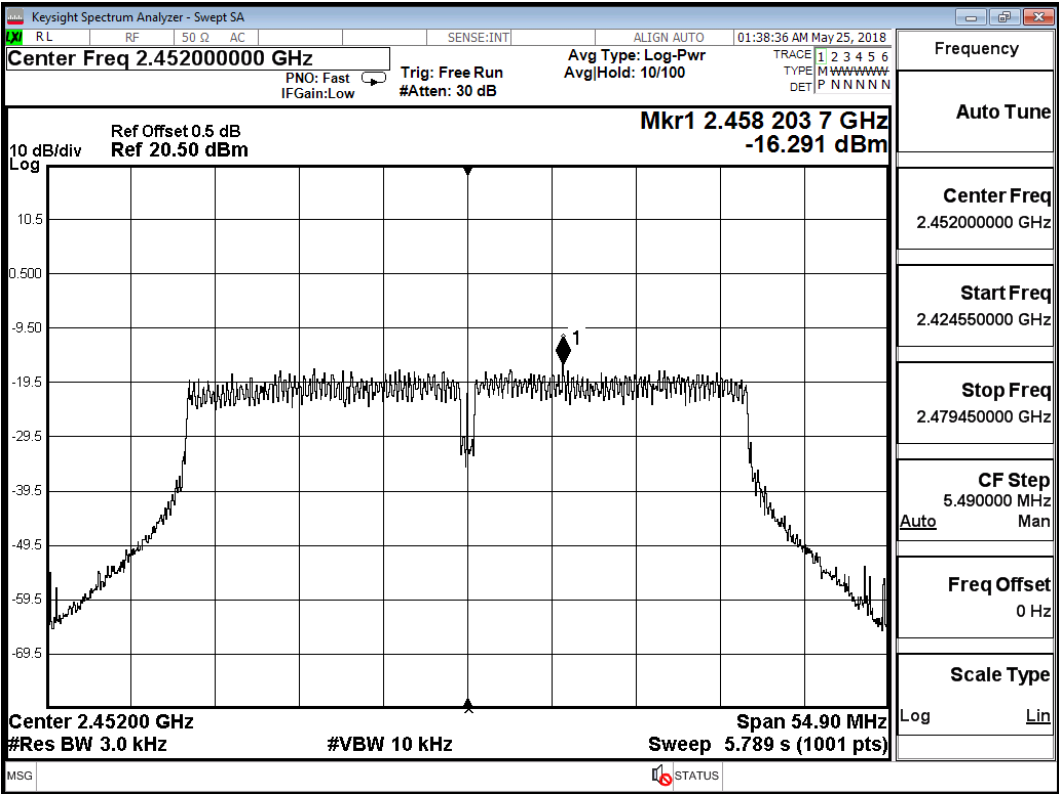
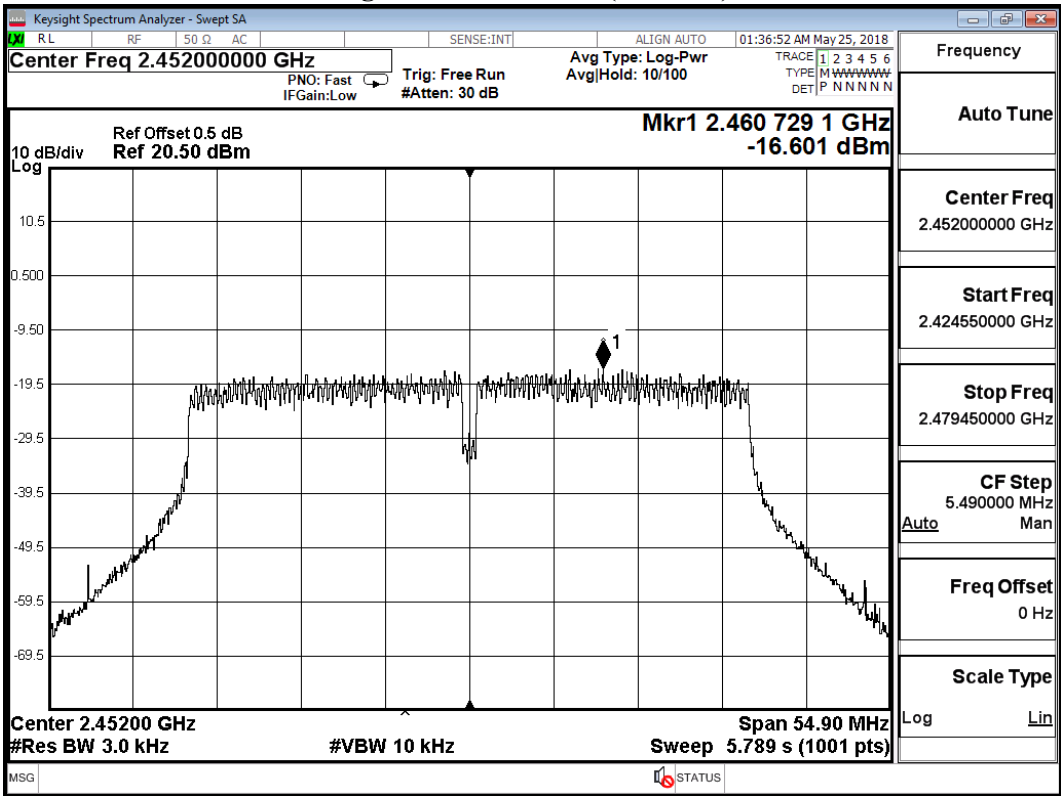


Figure Channel 9: (Chain D)

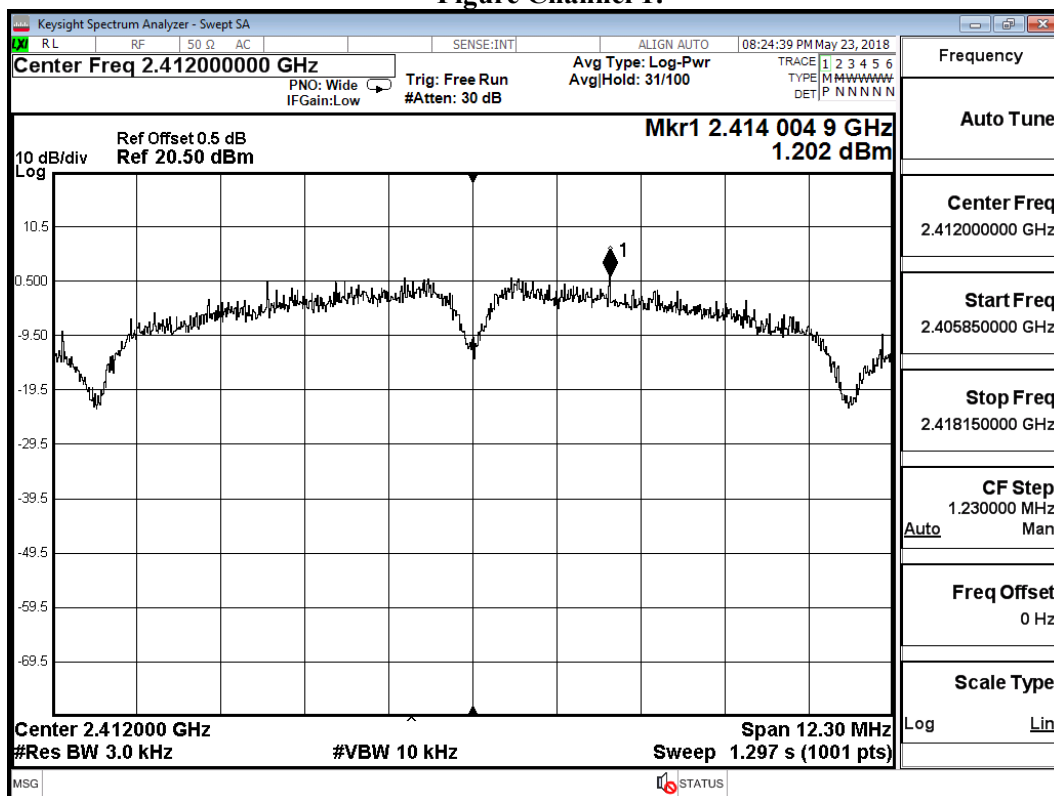


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.18)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	1.202	$\leq 6\text{dBm}$	Pass

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 1:

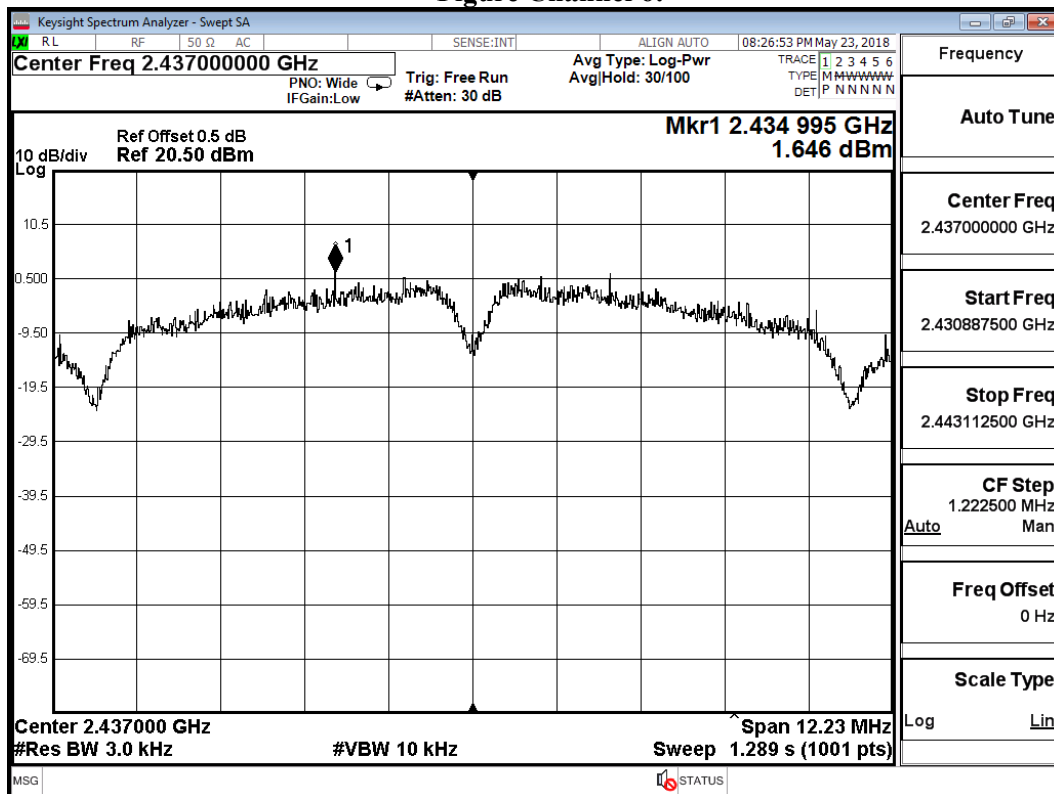


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz) (Antenna No.18)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
6	2437	1.646	$\leq 6\text{dBm}$	Pass

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 6:

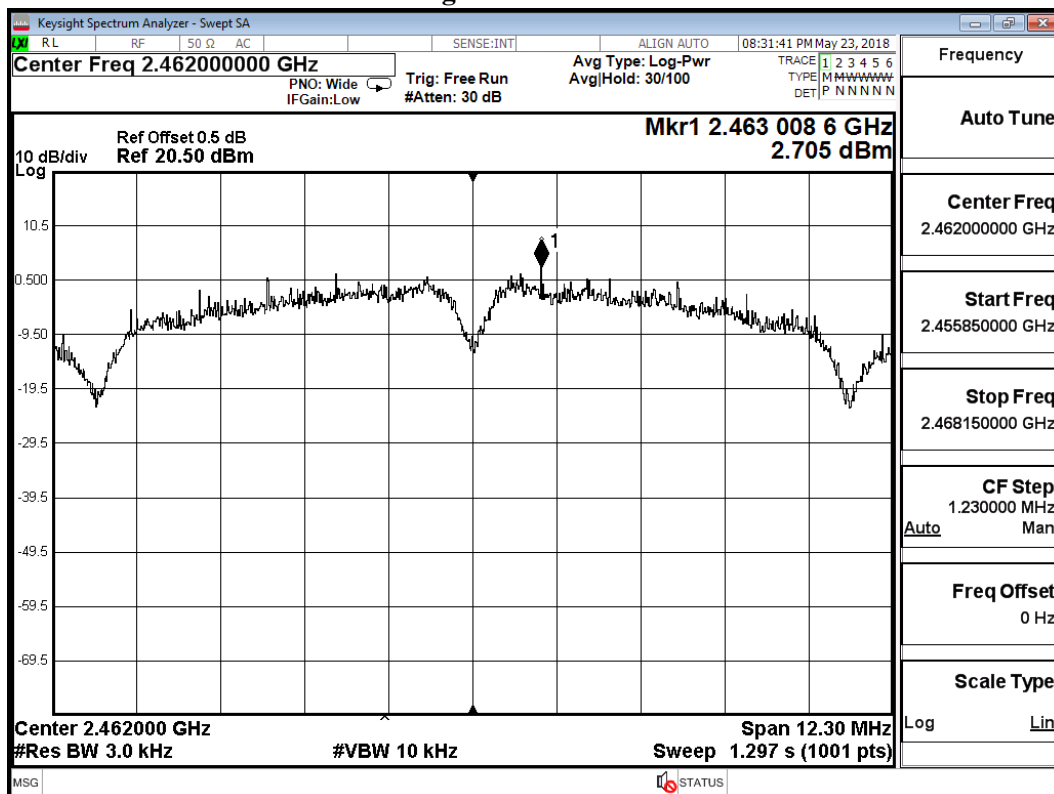


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz) (Antenna No.18)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
11	2462	2.705	$\leq 6\text{dBm}$	Pass

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 11:

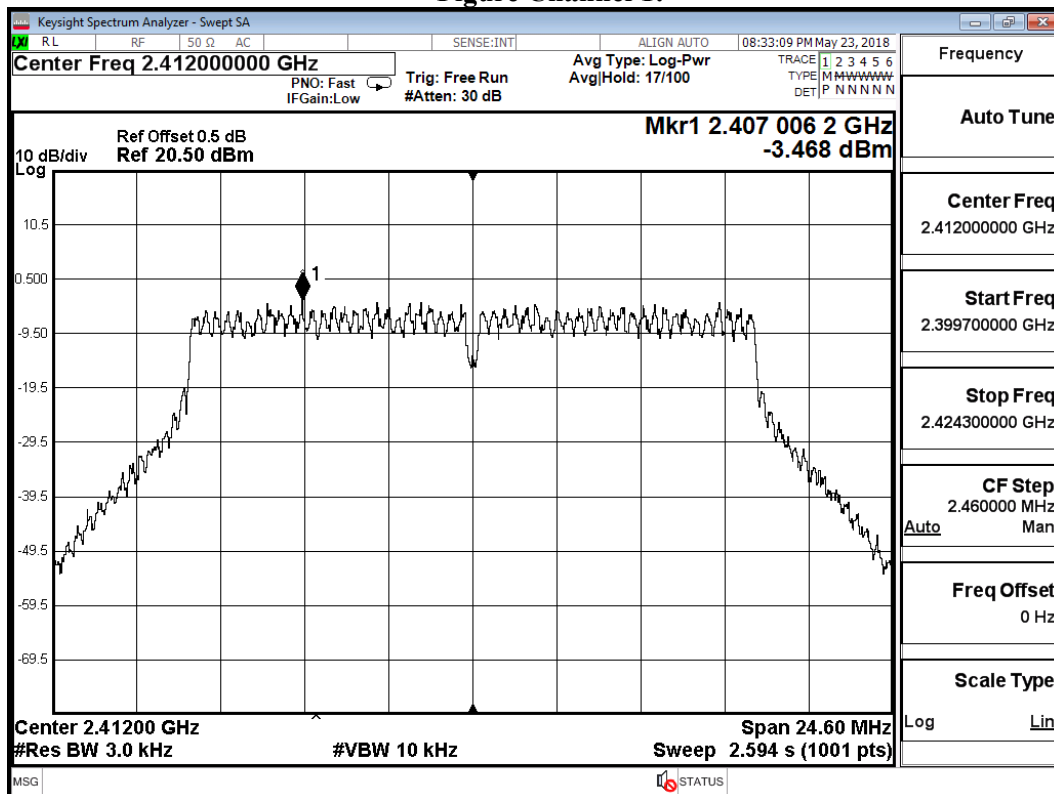


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.18)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-3.468	$\leq 6\text{dBm}$	Pass

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 1:

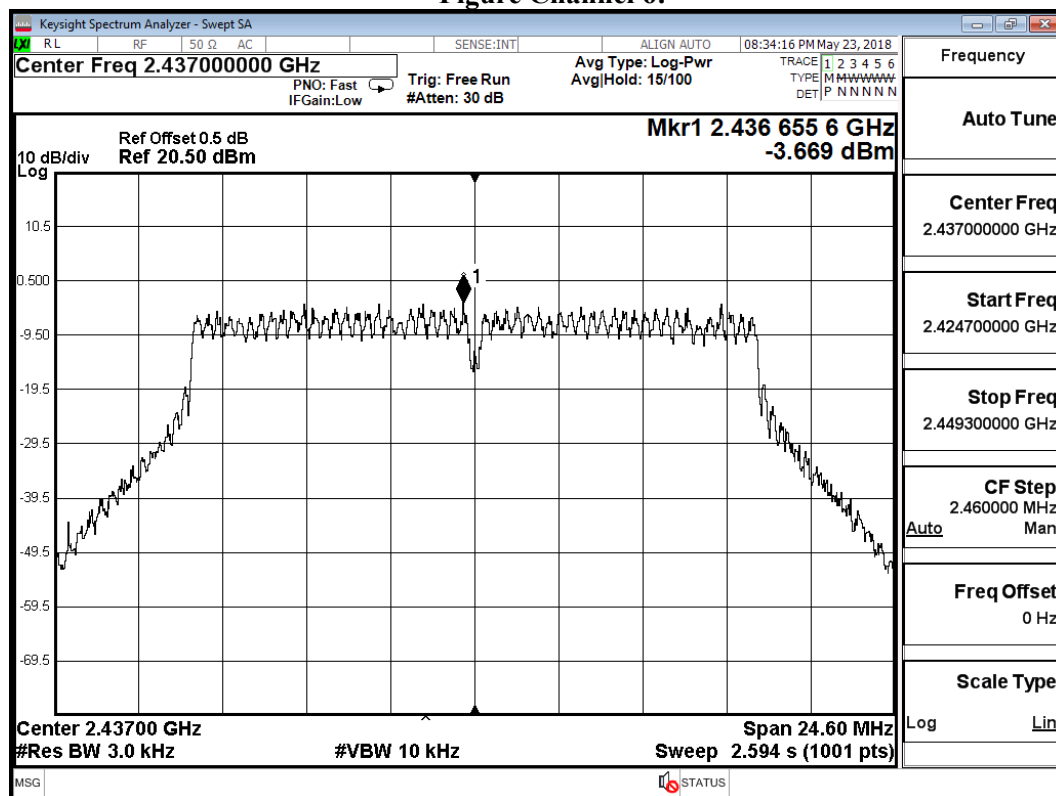


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz) (Antenna No.18)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
6	2437	-3.669	≤ 6 dBm	Pass

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 6:

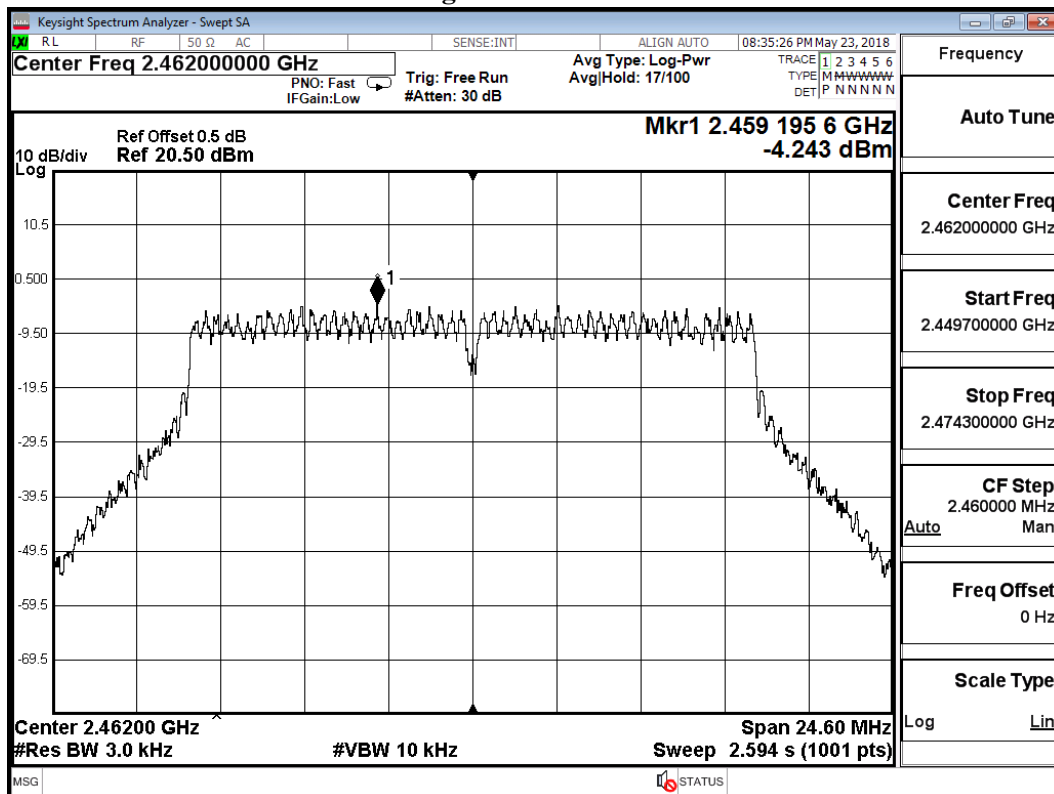


Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz) (Antenna No.18)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
11	2462	-4.243	$\leq 6\text{dBm}$	Pass

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 11:



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.18)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.168	-6.147	$\leq 6\text{dBm}$	Pass
B	-12.107	-6.086	$\leq 6\text{dBm}$	Pass
C	-12.165	-6.144	$\leq 6\text{dBm}$	Pass
D	-12.207	-6.186	$\leq 6\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 1: (Chain A)

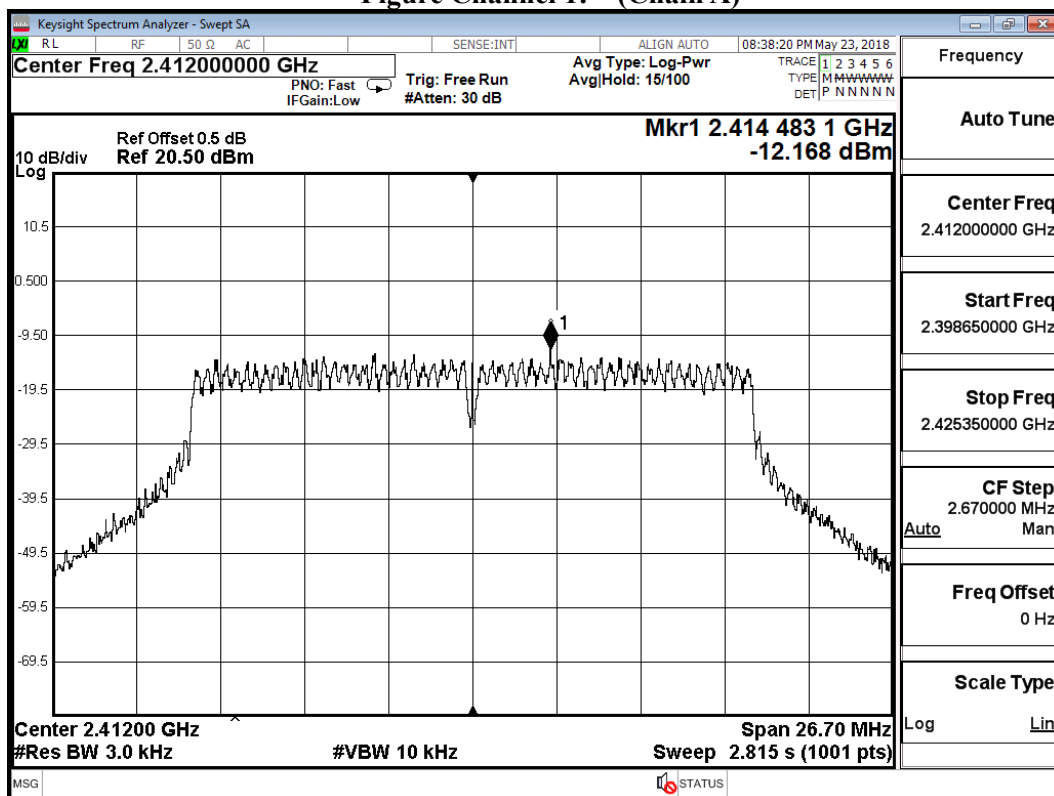


Figure Channel 1: (Chain B)

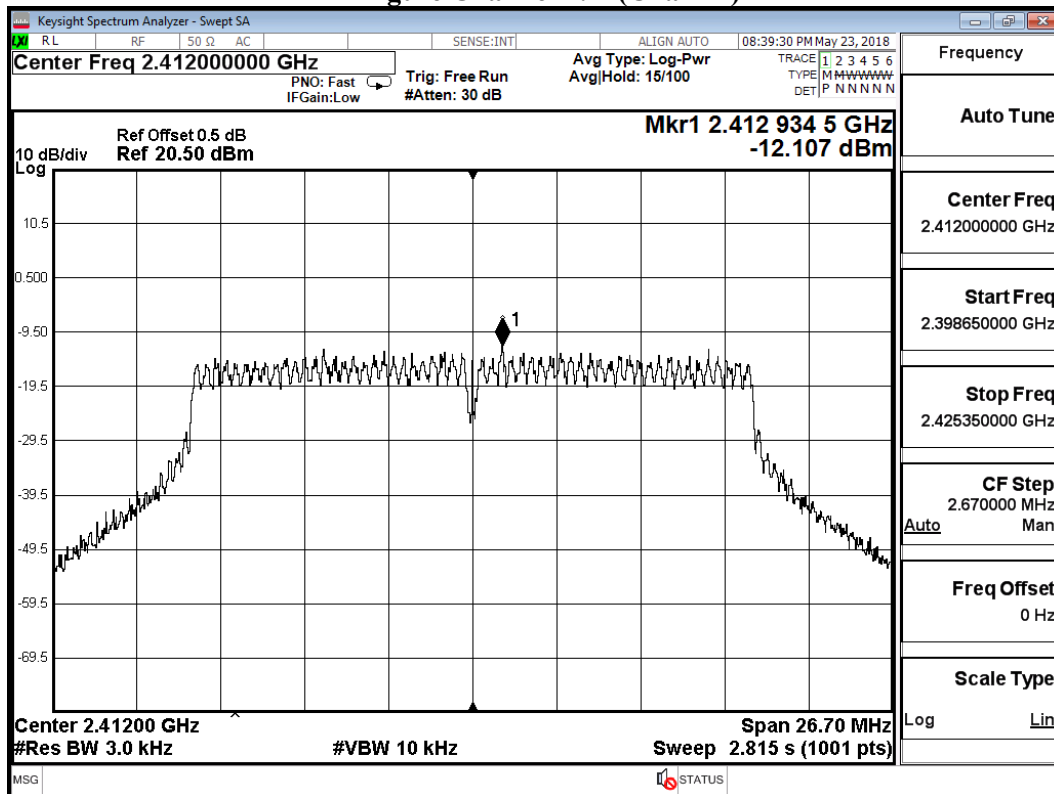


Figure Channel 1: (Chain C)

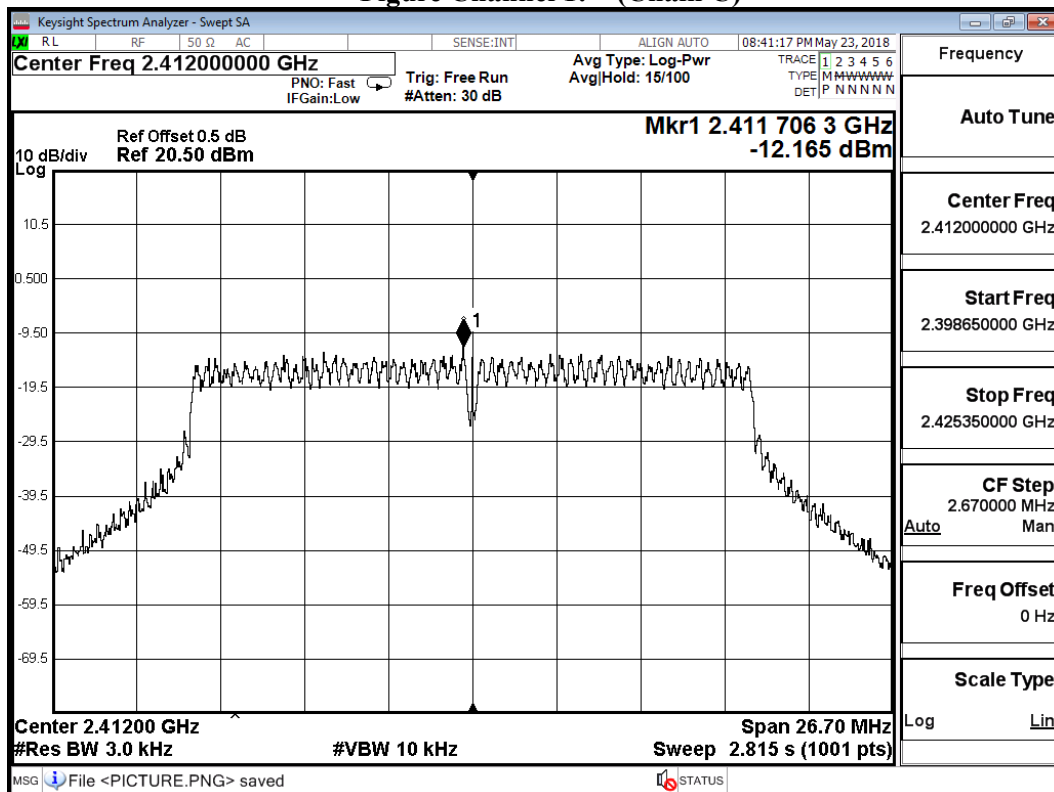
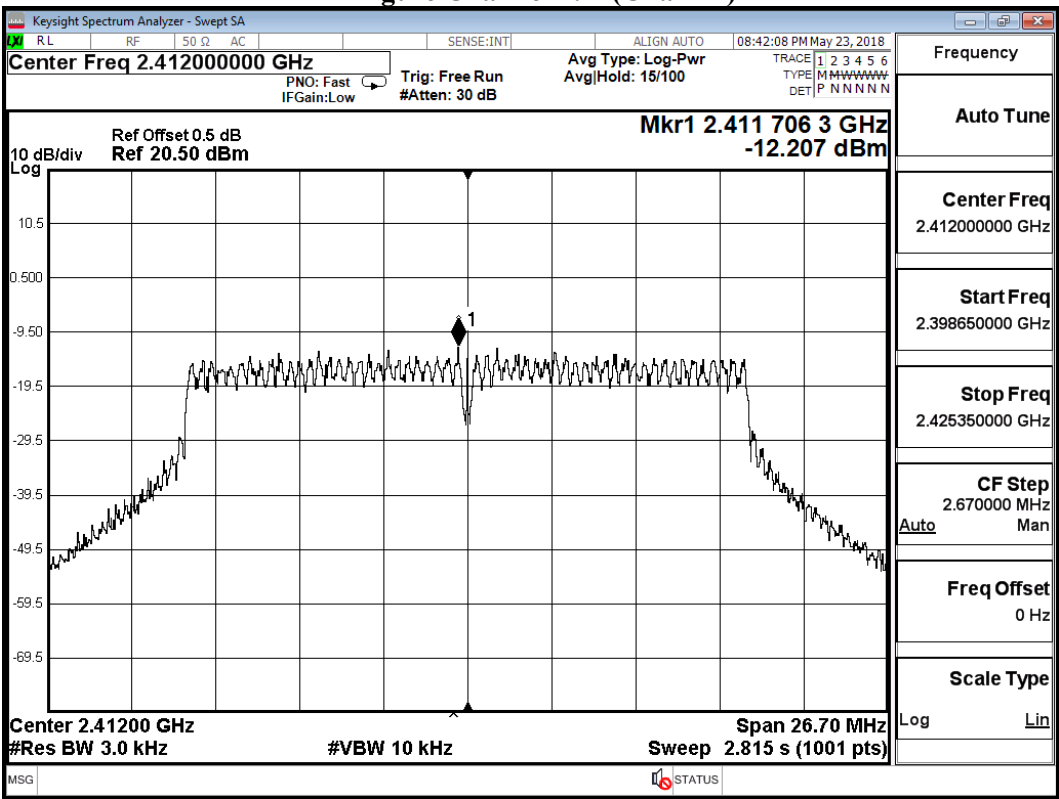


Figure Channel 1: (Chain D)



Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437MHz) (Antenna No.18)

CHAIN	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)1	Limit	Result
A	-12.592	-6.571	$\leq 6\text{dBm}$	Pass
B	-12.263	-6.242	$\leq 6\text{dBm}$	Pass
C	-11.980	-5.959	$\leq 6\text{dBm}$	Pass
D	-12.552	-6.531	$\leq 6\text{dBm}$	Pass

Note : The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

Note: Fixed, point-to-point operations, the peak power spectral density of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Figure Channel 6: (Chain A)

