



Appendix B. Duty Cycle

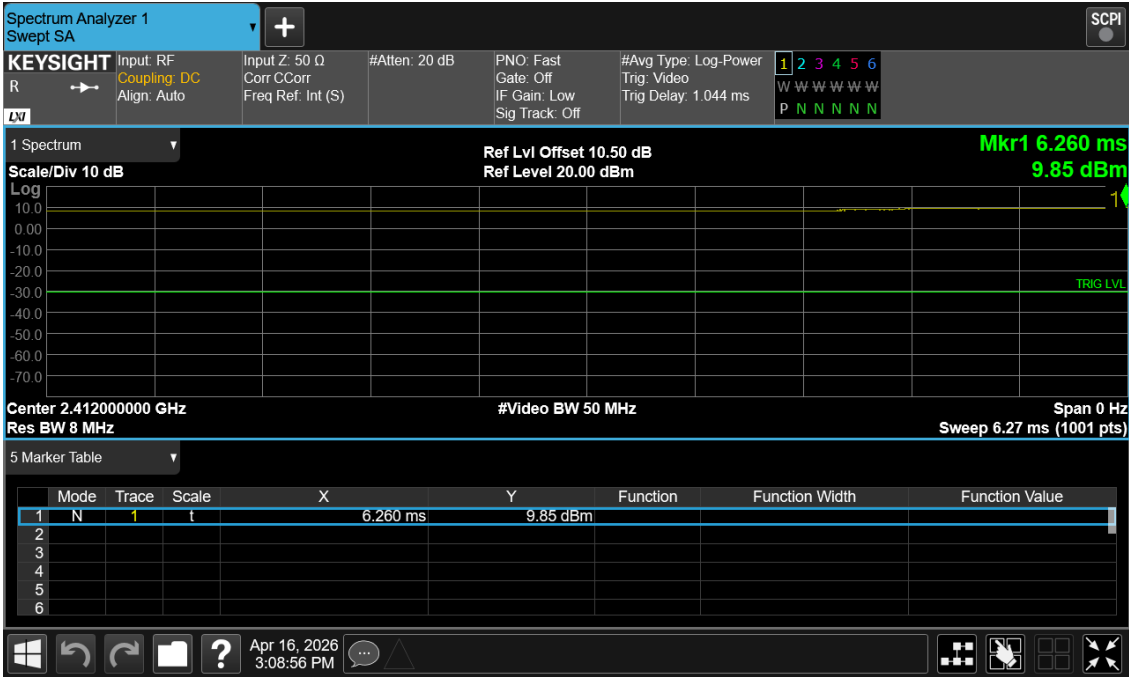
802.11b

1Mbps		
Duty On (ms):	-	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	-	
Duty Cycle (%):	100	
VBW (Hz):	10	

*Duty cycle = 1

*If duty cycle of test signal is ≥ 98%, duty factor is not required.

*If duty cycle of test signal is < 98%, duty factor shall be considered.



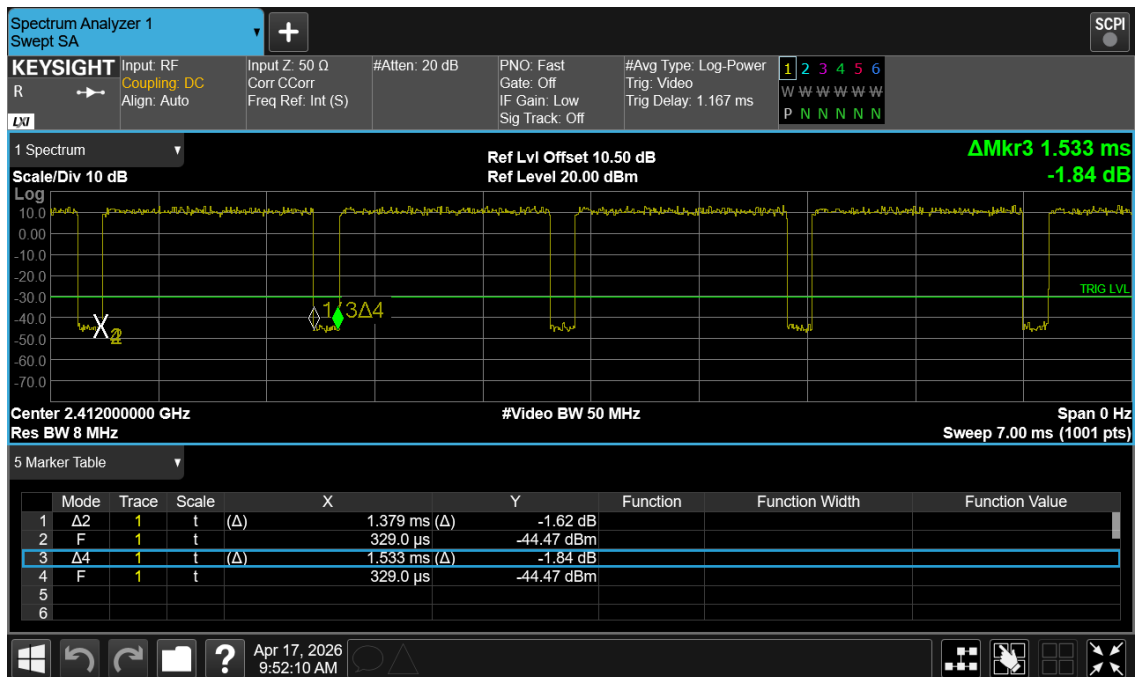
802.11g

6Mbps		
Duty On (ms):	1.379	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	1.533	
Duty Cycle (%):	89.954	
VBW (Hz):	1k	

$$\text{*Duty cycle} = 1.379\text{ms} / 1.533\text{ms} = 0.89954$$

*If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

*If duty cycle of test signal is $< 98\%$, duty factor shall be considered.



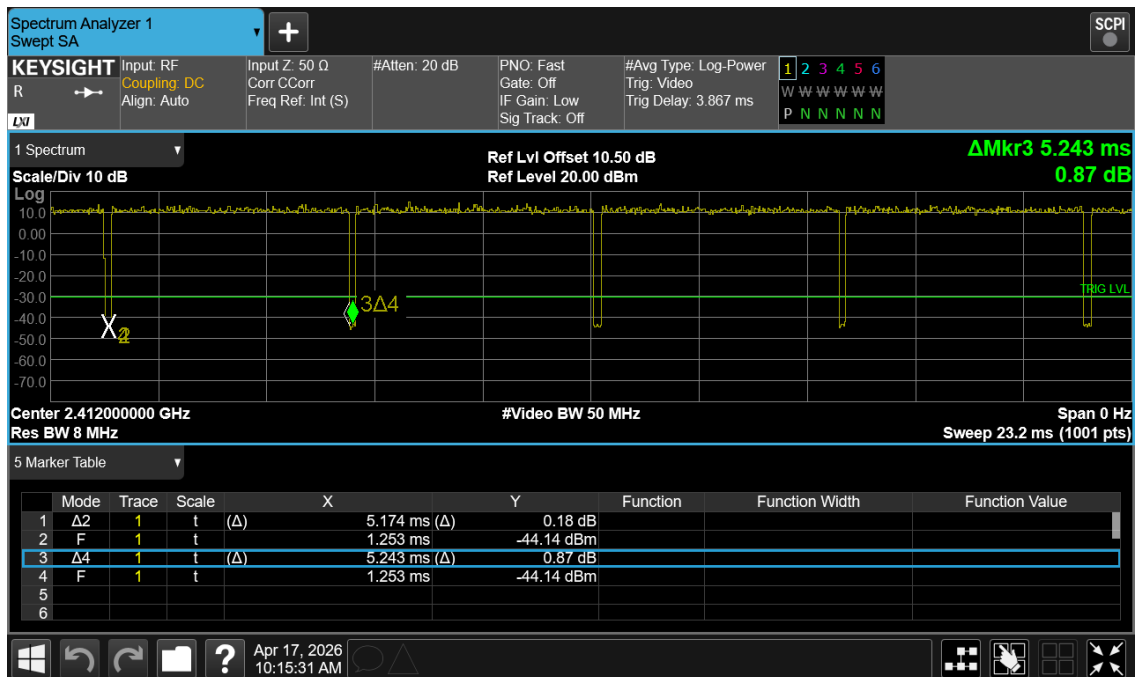
802.11n20

MCS0		
Duty On (ms):	5.174	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	5.243	
Duty Cycle (%):	98.673	
VBW (Hz):	10	

$$\text{*Duty cycle} = 5.174\text{ms}/5.243\text{ms} = 0.98673$$

*If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

*If duty cycle of test signal is $< 98\%$, duty factor shall be considered





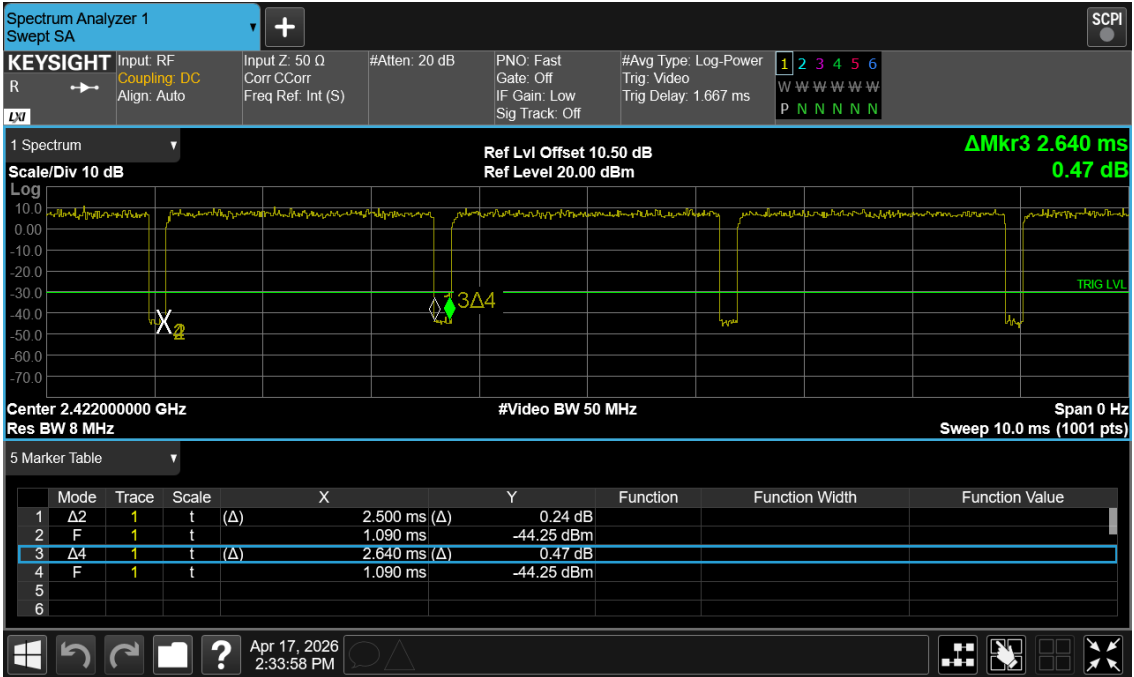
802.11n40

MCS0		
Duty On (ms):	2.500	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	2.640	
Duty Cycle (%):	94.697	
VBW (Hz):	500	

***Duty cycle = 2.500ms/2.640ms = 0.94697**

***If duty cycle of test signal is ≥ 98%, duty factor is not required.**

***If duty cycle of test signal is < 98%, duty factor shall be considered**





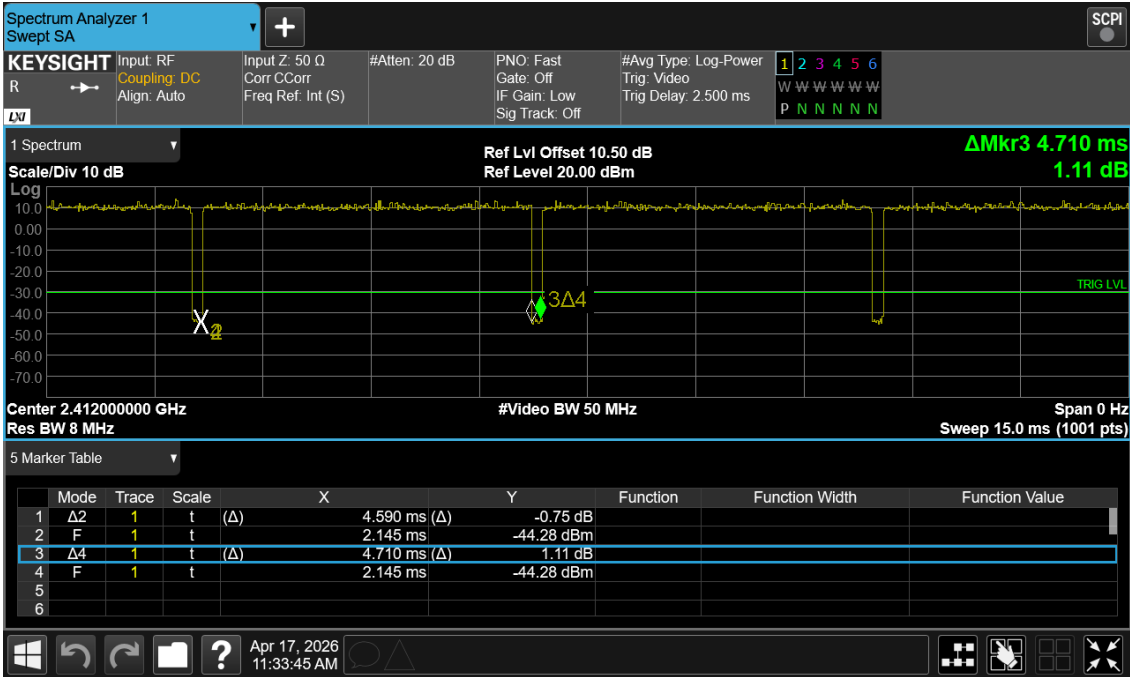
802.11ax20

MCS0		
Duty On (ms):	4.590	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	4.710	
Duty Cycle (%):	97.452	
VBW (Hz):	300	

***Duty cycle = 4.590ms/4.710ms = 0.97452**

***If duty cycle of test signal is ≥ 98%, duty factor is not required.**

***If duty cycle of test signal is < 98%, duty factor shall be considered**





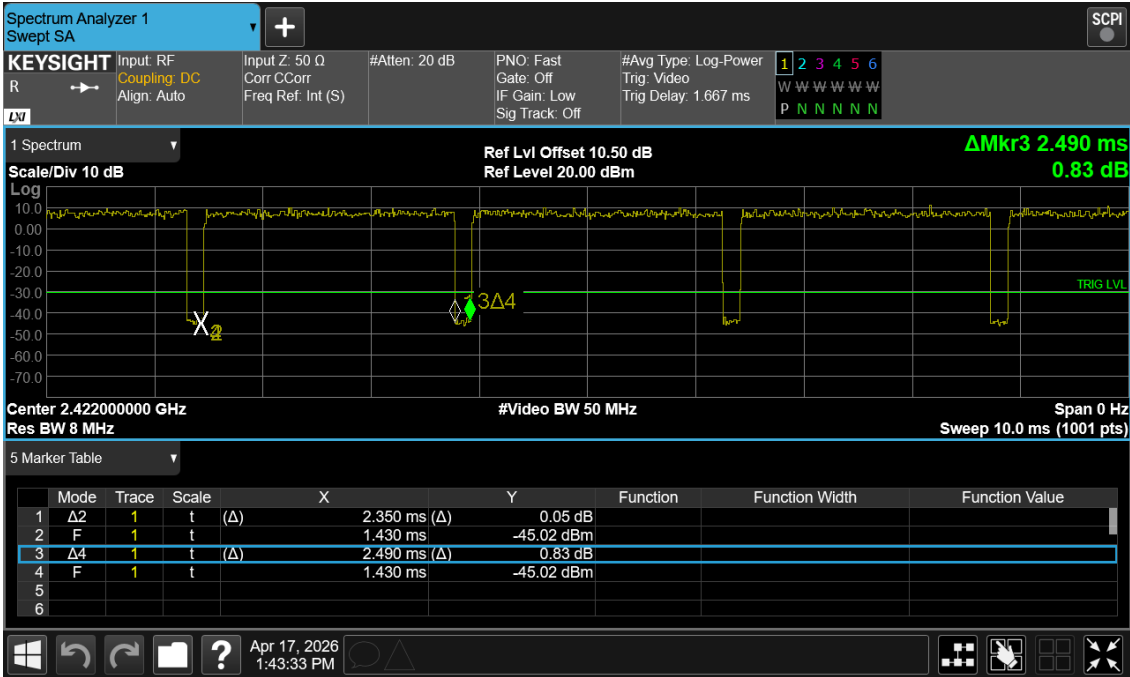
802.11ax40

MCS0		
Duty On (ms):	2.350	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	2.490	
Duty Cycle (%):	94.378	
VBW (Hz):	500	

***Duty cycle = 2.350ms/2.490ms = 0.94378**

***If duty cycle of test signal is ≥ 98%, duty factor is not required.**

***If duty cycle of test signal is < 98%, duty factor shall be considered**



Appendix C. Peak Conducted Output Power

Cable loss has been offset in the measurement result

Peak Output Power

<11b>

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2412	10.08	10.185914	8.03	6.353309	default	30
Middle Channel	2437	9.91	9.794900	7.76	5.970353	default	30
High Channel	2462	9.41	8.729714	7.35	5.432503	default	30

<11g>

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2412	18.93	78.162780	8.33	6.807694	default	30
Middle Channel	2437	18.25	66.834392	7.87	6.123504	default	30
High Channel	2462	17.87	61.235039	7.39	5.482770	default	30

Peak Output Power

<11n20 >

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2412	19.44	87.902252	8.88	7.726806	default	30
Middle Channel	2437	18.82	76.207901	8.23	6.652732	default	30
High Channel	2462	18.17	65.614527	7.22	5.272299	default	30

<11n40 >

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2422	19.64	92.044957	7.97	6.266139	default	30
Middle Channel	2437	19.33	85.703785	7.62	5.780960	default	30
High Channel	2452	19.07	80.723503	6.75	4.731513	default	30

Peak Output Power

<11ax20 >

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2412	19.97	99.311605	8.79	7.568329	default	30
Middle Channel	2437	19.49	88.920112	8.14	6.516284	default	30
High Channel	2462	18.91	77.803655	7.13	5.164164	default	30

<11ax40 >

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2422	19.22	83.560302	7.88	6.137620	default	30
Middle Channel	2437	18.94	78.342964	7.53	5.662393	default	30
High Channel	2452	18.36	68.548823	6.67	4.645153	default	30

Appendix D. Bandwidth Measurement

Only the worst-case plots are presented herein. all of which were found to be in compliance with the rule.

6dB Bandwidth

<11b>

Channel	Channel Frequency	6dB Bandwidth	Minimum limit (MHz)
	(MHz)	(MHz)	
Low Channel	2412	10.100	0.5
Middle Channel	2437	10.050	0.5
High Channel	2462	10.050	0.5





6dB Bandwidth

<11g>

Channel	Channel Frequency	6dB Bandwidth	Minimum limit (MHz)
	(MHz)	(MHz)	
Low Channel	2412	16.400	0.5
Middle Channel	2437	16.350	0.5
High Channel	2462	16.350	0.5

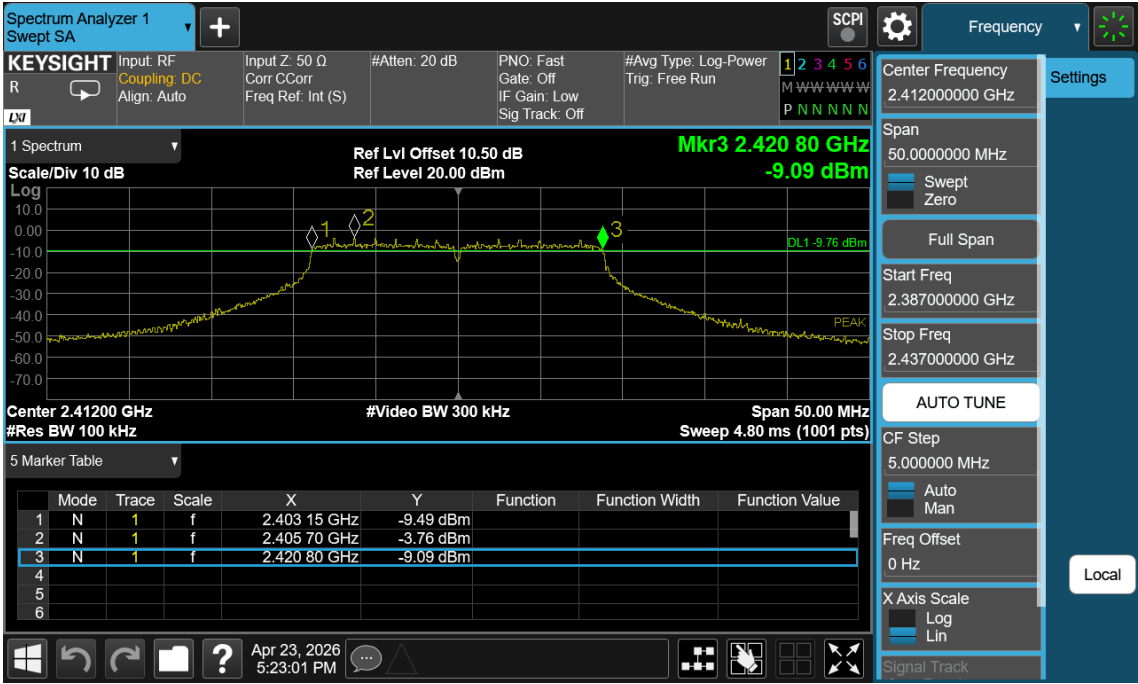




6dB Bandwidth

<11n20>

Channel	Channel Frequency	6dB Bandwidth	Minimum limit (MHz)
	(MHz)	(MHz)	
Low Channel	2412	17.650	0.5
Middle Channel	2437	17.650	0.5
High Channel	2462	17.650	0.5

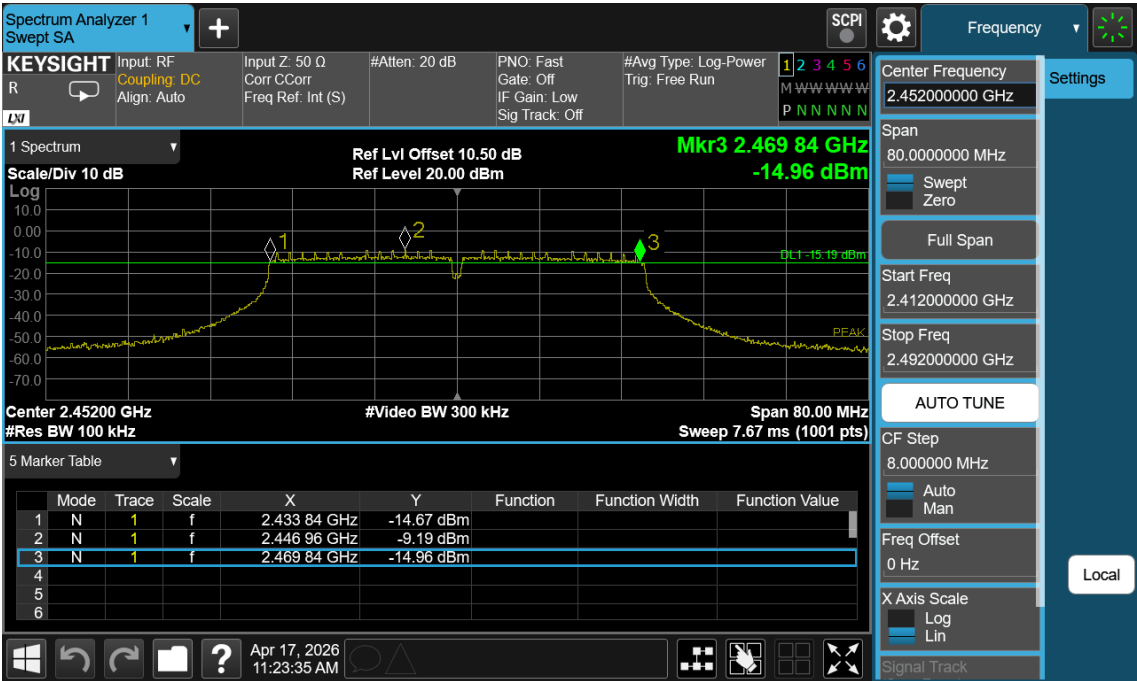




6dB Bandwidth

<11n40>

Channel	Channel Frequency	6dB Bandwidth	Minimum limit (MHz)
	(MHz)	(MHz)	
Low Channel	2422	36.080	0.5
Middle Channel	2437	36.080	0.5
High Channel	2452	36.000	0.5

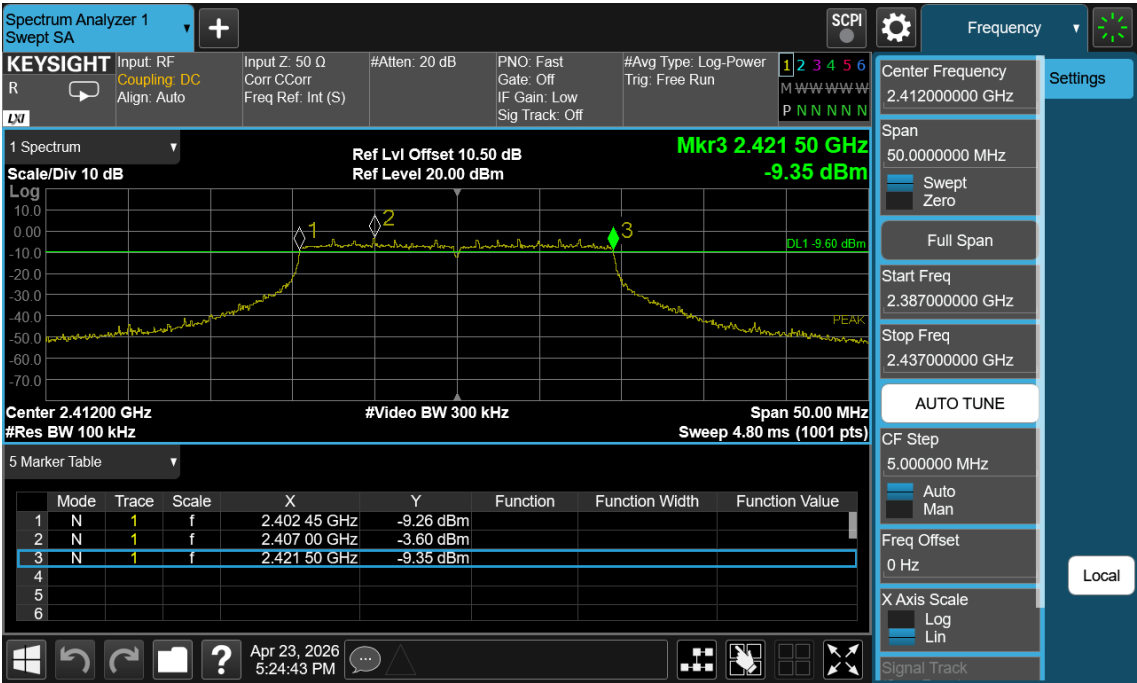




6dB Bandwidth

<11ax20>

Channel	Channel Frequency	6dB Bandwidth	Minimum limit (MHz)
	(MHz)	(MHz)	
Low Channel	2412	19.050	0.5
Middle Channel	2437	19.050	0.5
High Channel	2462	19.050	0.5

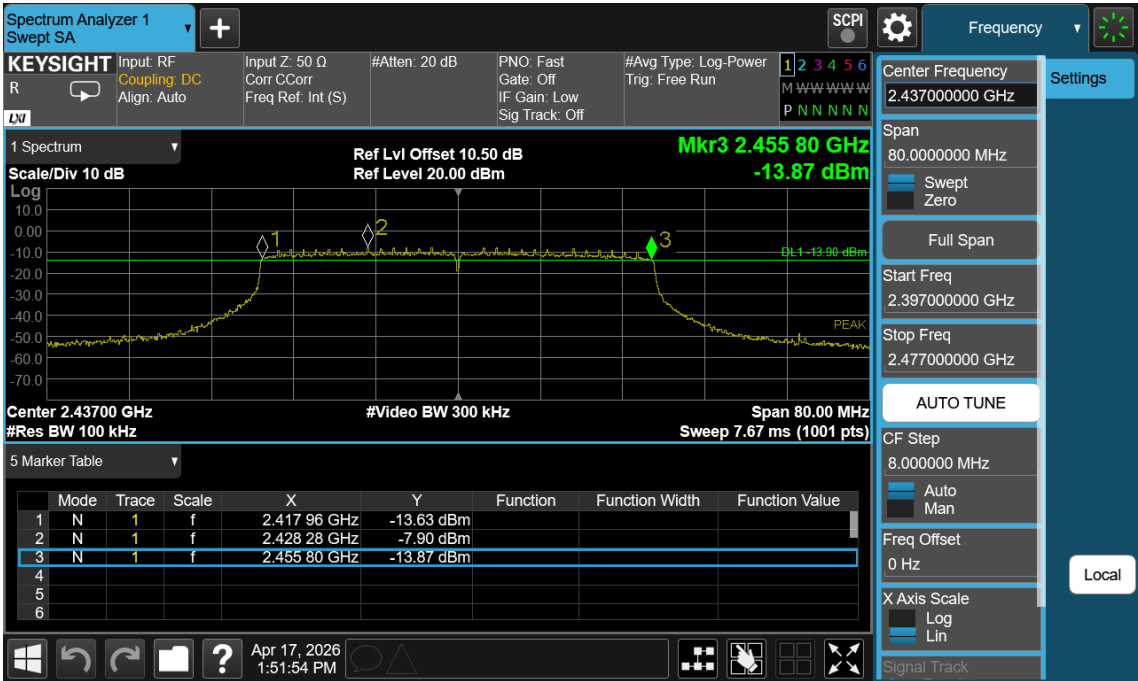




6dB Bandwidth

<11ax40>

Channel	Channel Frequency	6dB Bandwidth	Minimum limit (MHz)
	(MHz)	(MHz)	
Low Channel	2422	38.000	0.5
Middle Channel	2437	37.840	0.5
High Channel	2452	38.000	0.5

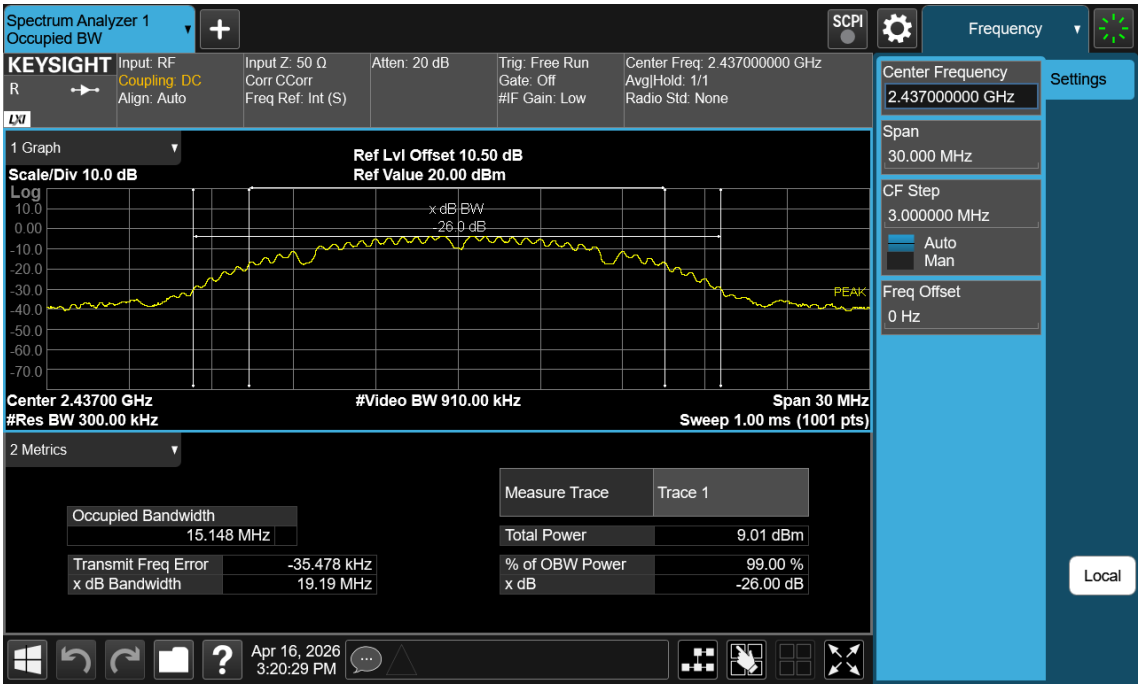




99% Bandwidth

<11b>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2412	15.119
Middle Channel	2437	15.148
High Channel	2462	15.138





99% Bandwidth

<11g>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2412	17.134
Middle Channel	2437	17.212
High Channel	2462	17.199

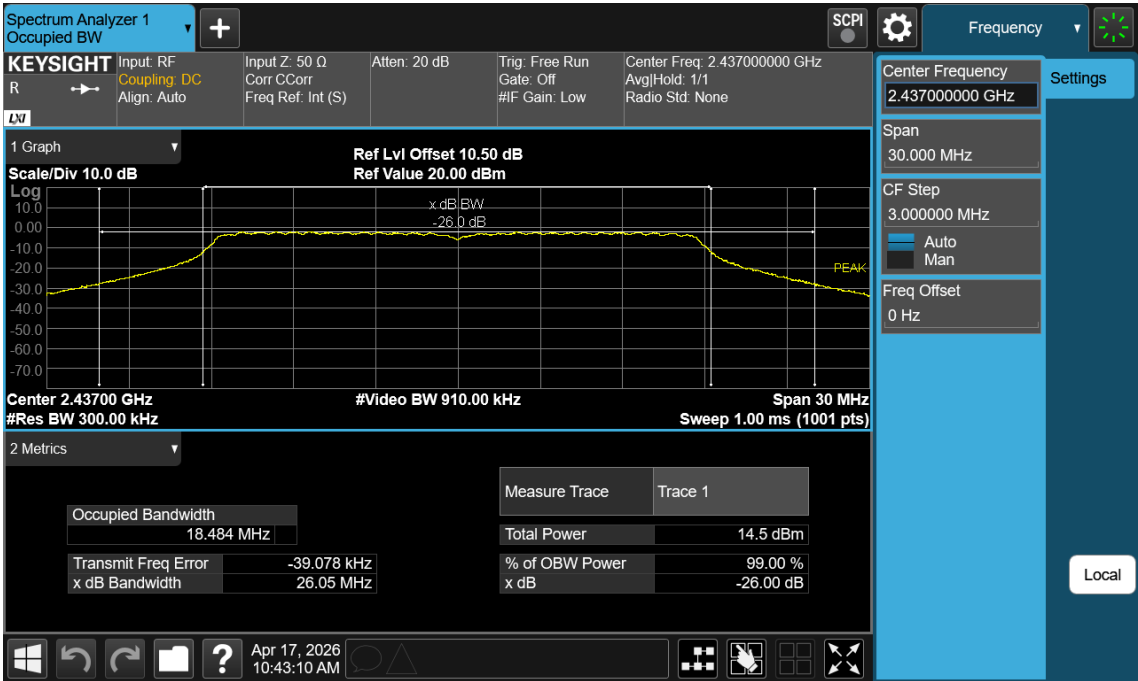




99% Bandwidth

<11n20>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2412	18.365
Middle Channel	2437	18.484
High Channel	2462	18.336





99% Bandwidth

<11n40>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2422	37.517
Middle Channel	2437	37.486
High Channel	2452	37.333

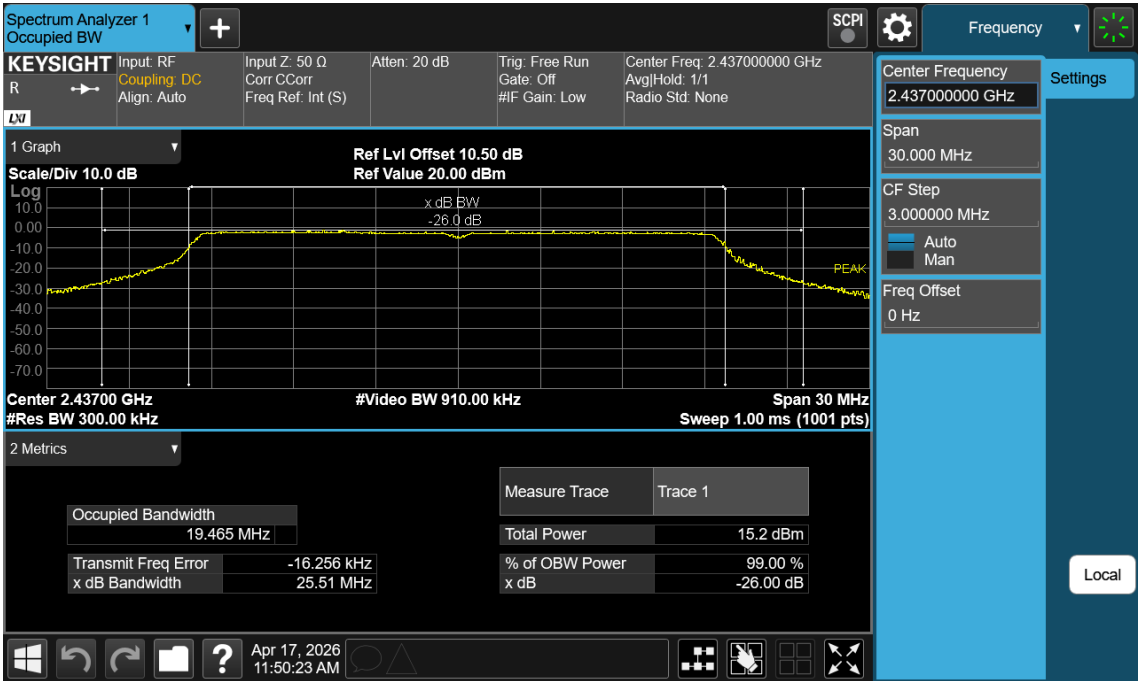




99% Bandwidth

<11ax20>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2412	19.424
Middle Channel	2437	19.465
High Channel	2462	19.446

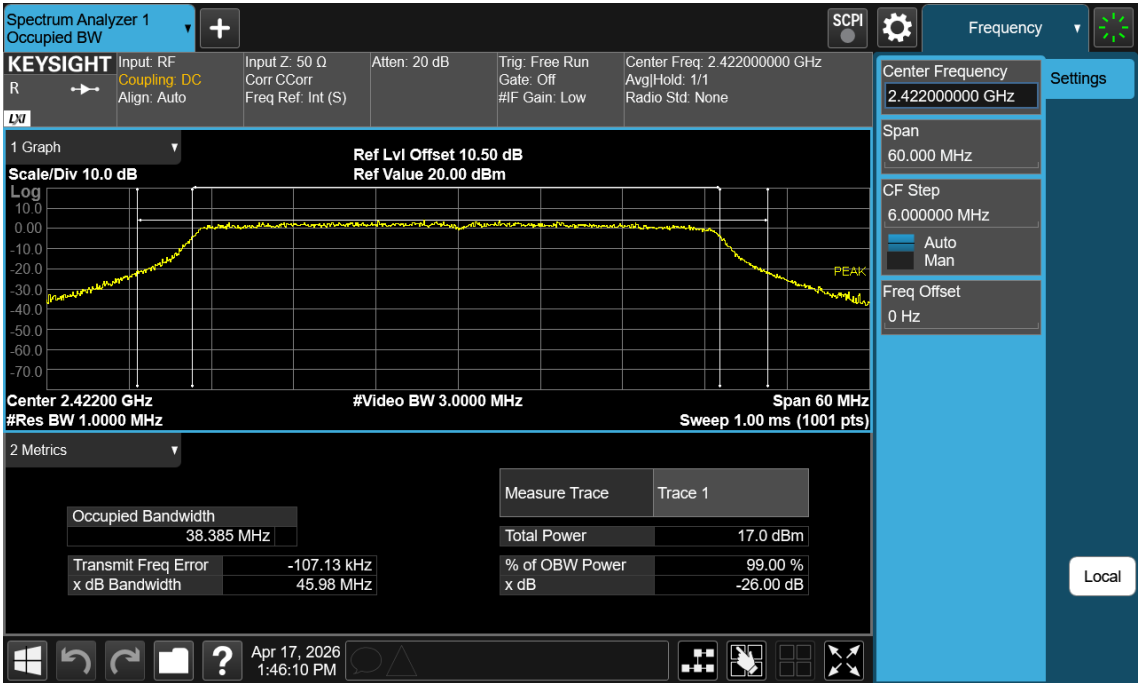




99% Bandwidth

<11ax40>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2422	38.385
Middle Channel	2437	38.354
High Channel	2452	38.361





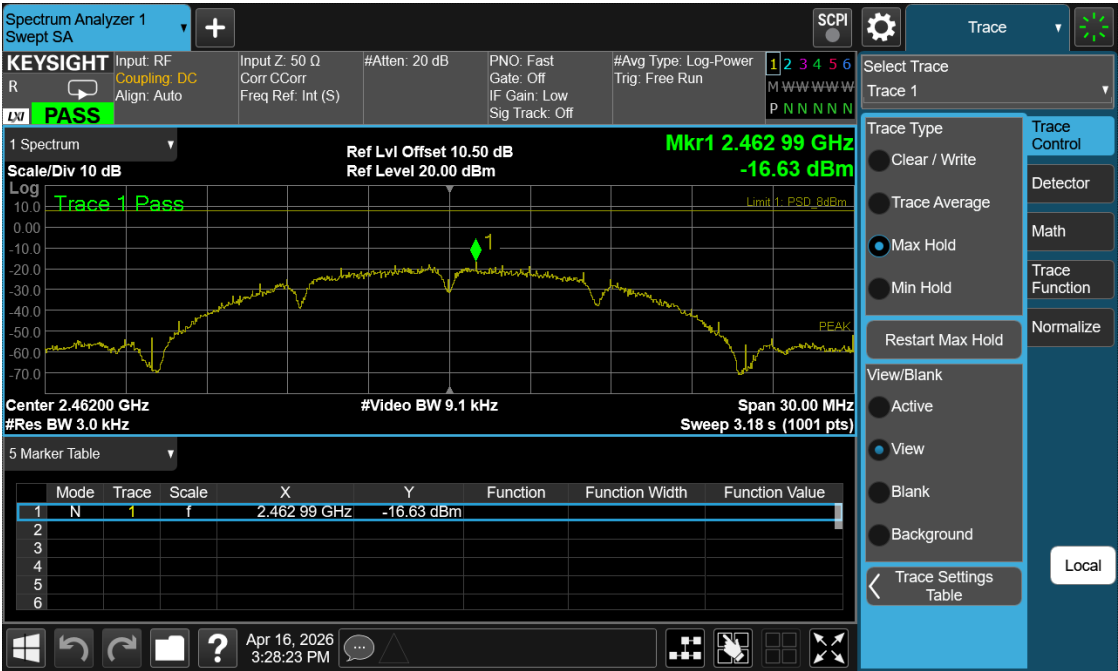
Appendix E. Peak Power Spectral Density

Only the worst-case plots are presented herein, all of which were found to be in compliance with the rule.

Power Density

<11b>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2412	-16.754	8
Middle Channel	2437	-16.745	8
High Channel	2462	-16.628	8



<11g>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2412	-17.710	8
Middle Channel	2437	-18.532	8
High Channel	2462	-18.797	8

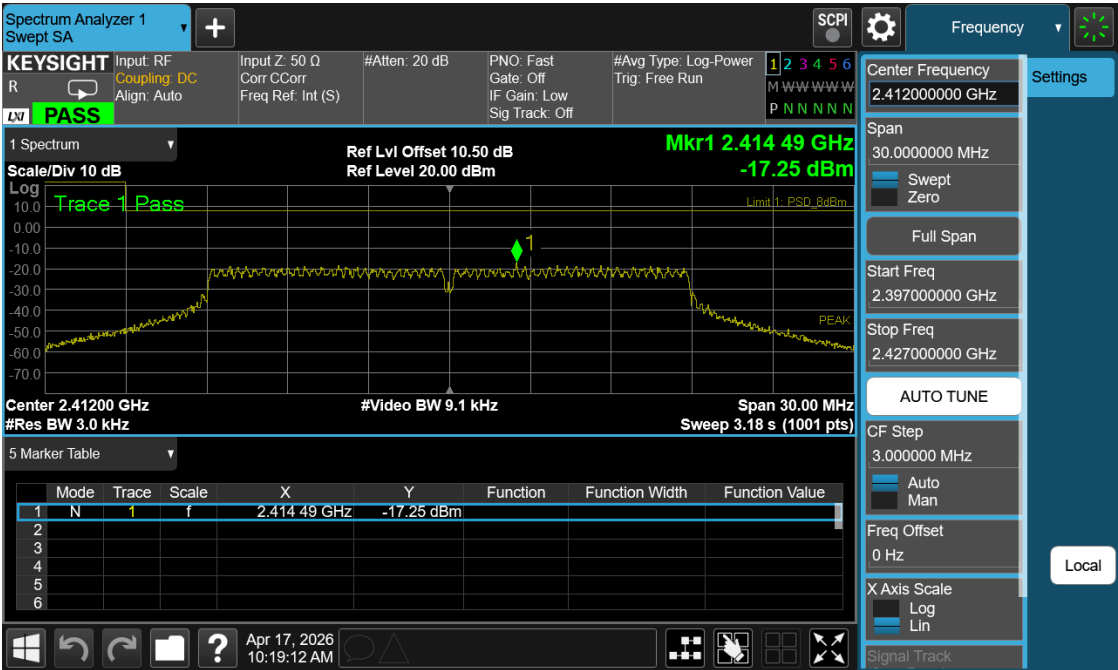




Power Density

<11n20>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2412	-17.255	8
Middle Channel	2437	-17.606	8
High Channel	2462	-19.428	8





Power Density

<11n40>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2422	-20.186	8
Middle Channel	2437	-21.119	8
High Channel	2452	-21.913	8

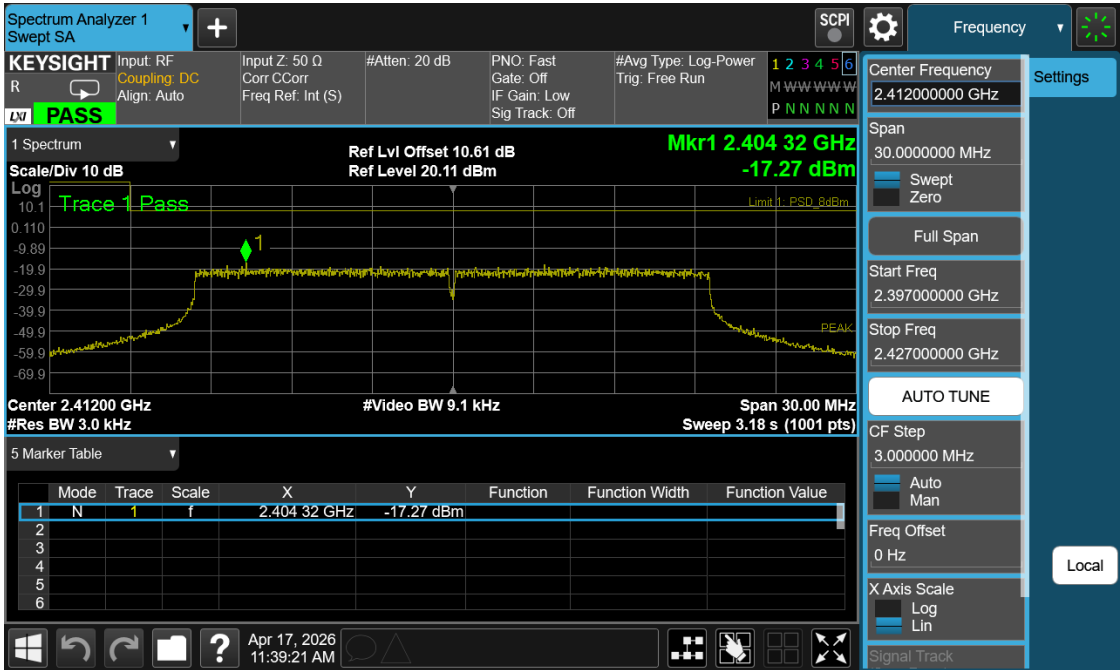




Power Density

<11ax20>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2412	-17.274	8
Middle Channel	2437	-19.601	8
High Channel	2462	-19.616	8





Power Density

<11ax40>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2422	-20.843	8
Middle Channel	2437	-21.026	8
High Channel	2452	-23.299	8

