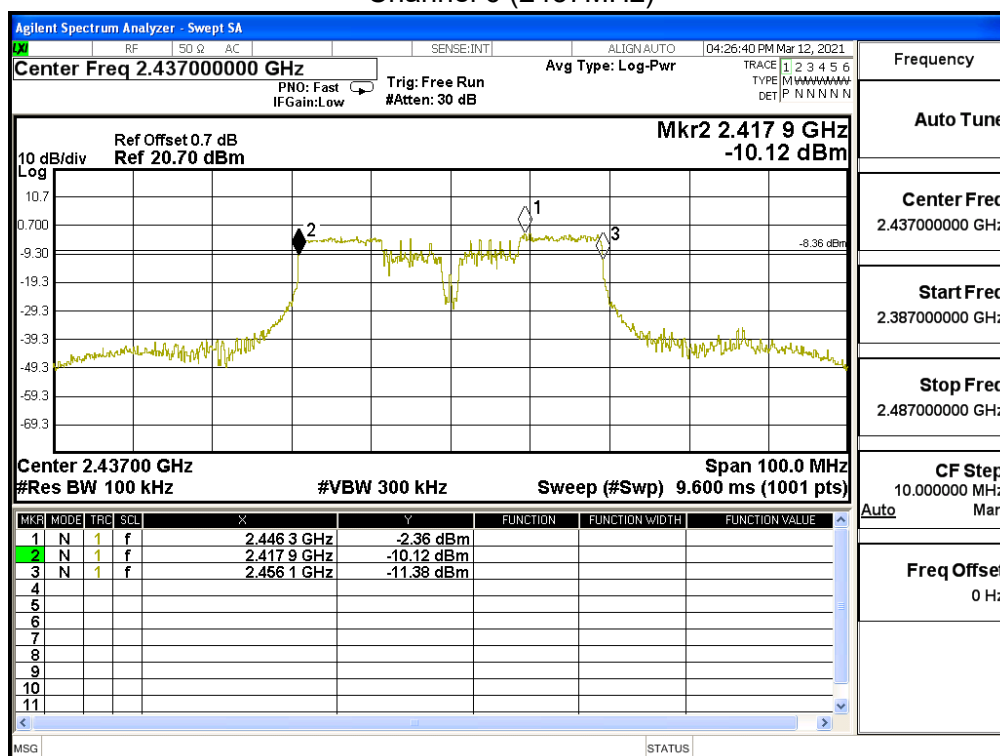
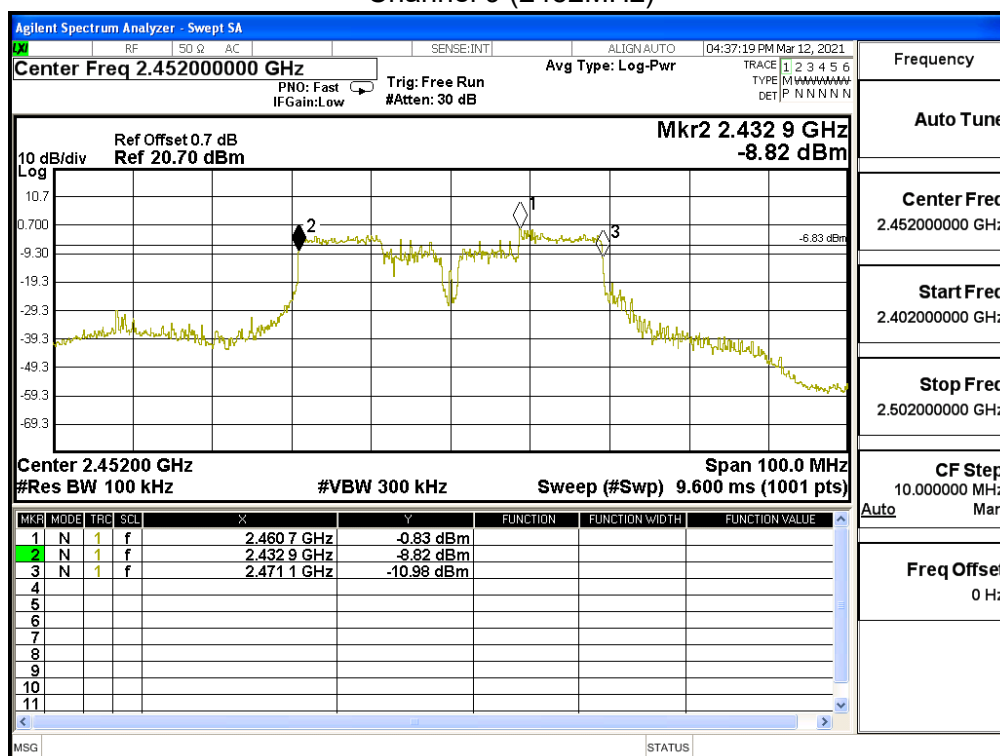


Channel 6 (2437MHz)



Channel 9 (2452MHz)

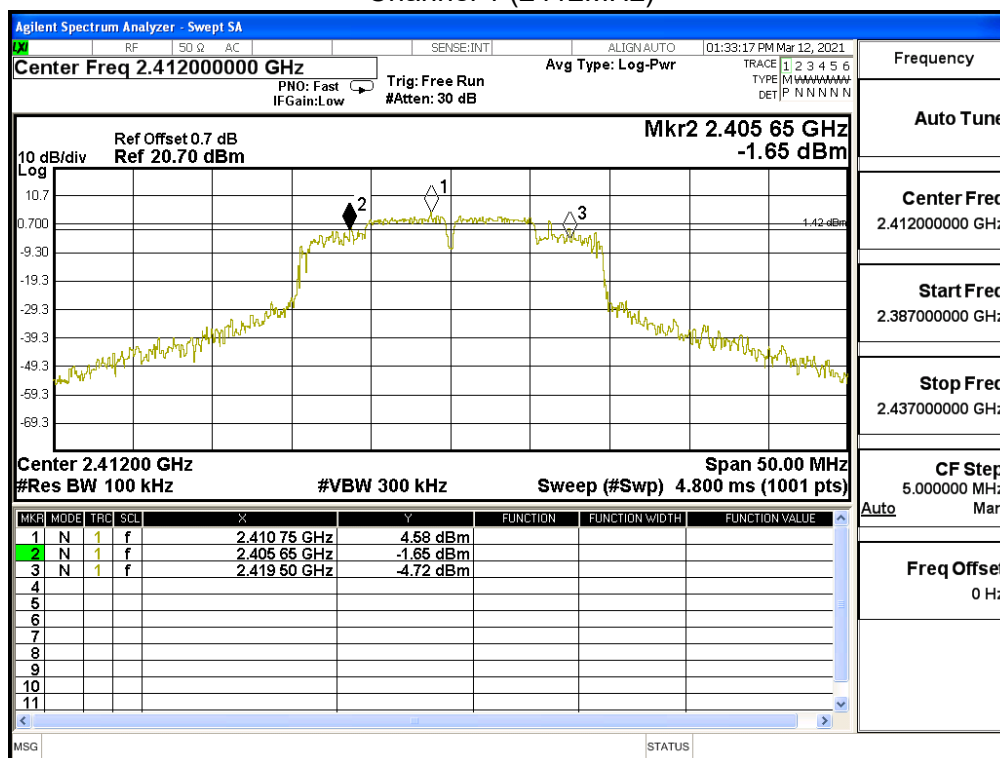


Product	2x2 11ax WIFI AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 5: Transmit RU BE UNMOD_PoE Mode		
Date of Test	2021/03/12~2021/03/18	Test Site	SR12-H
Temperature (°C)	23.0	Humidity (%RH)	65.0

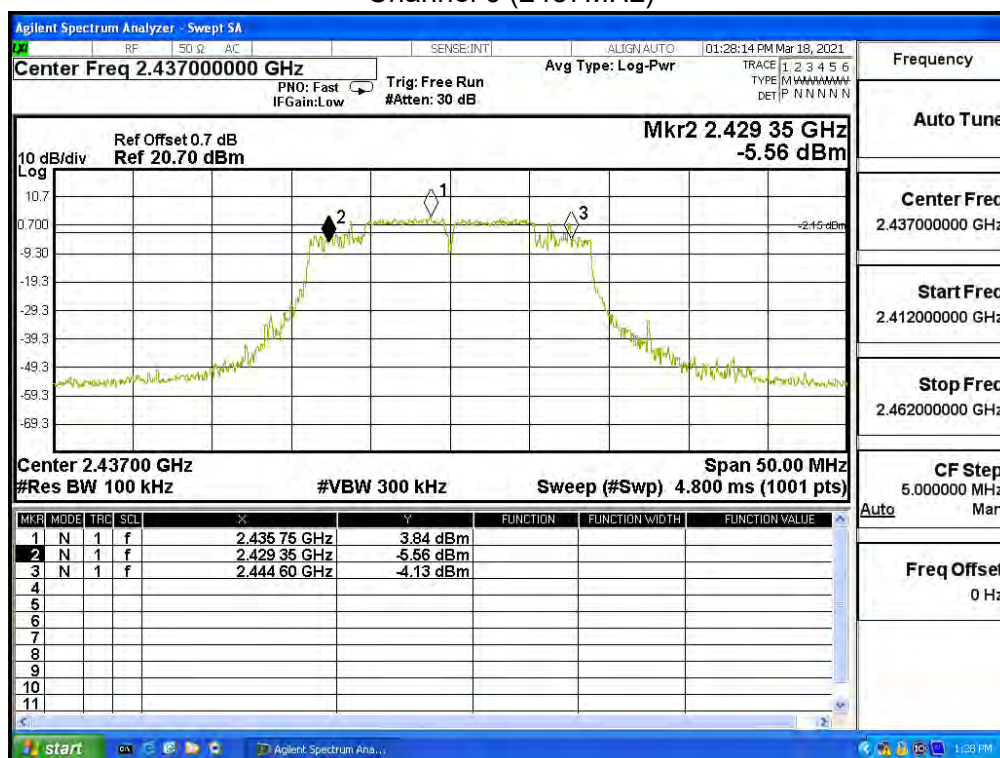
IEEE 802.11ax(20M)(ANT 0)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	13850	>500	Pass
06	2437	15250	>500	Pass
11	2462	15150	>500	Pass

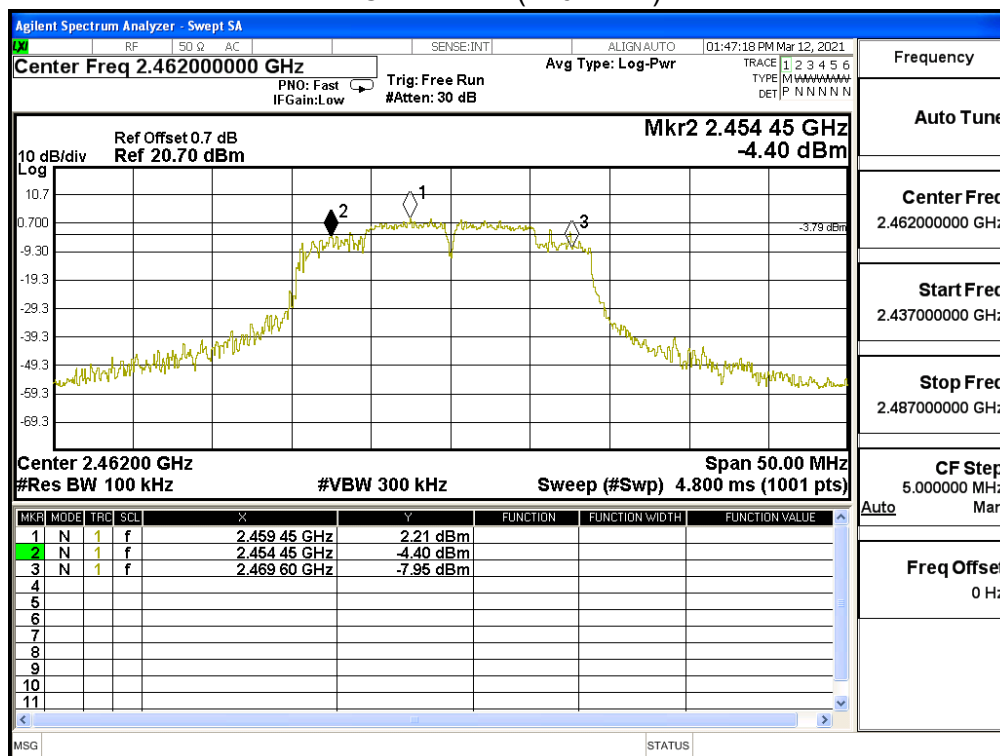
Channel 1 (2412MHz)



Channel 6 (2437MHz)



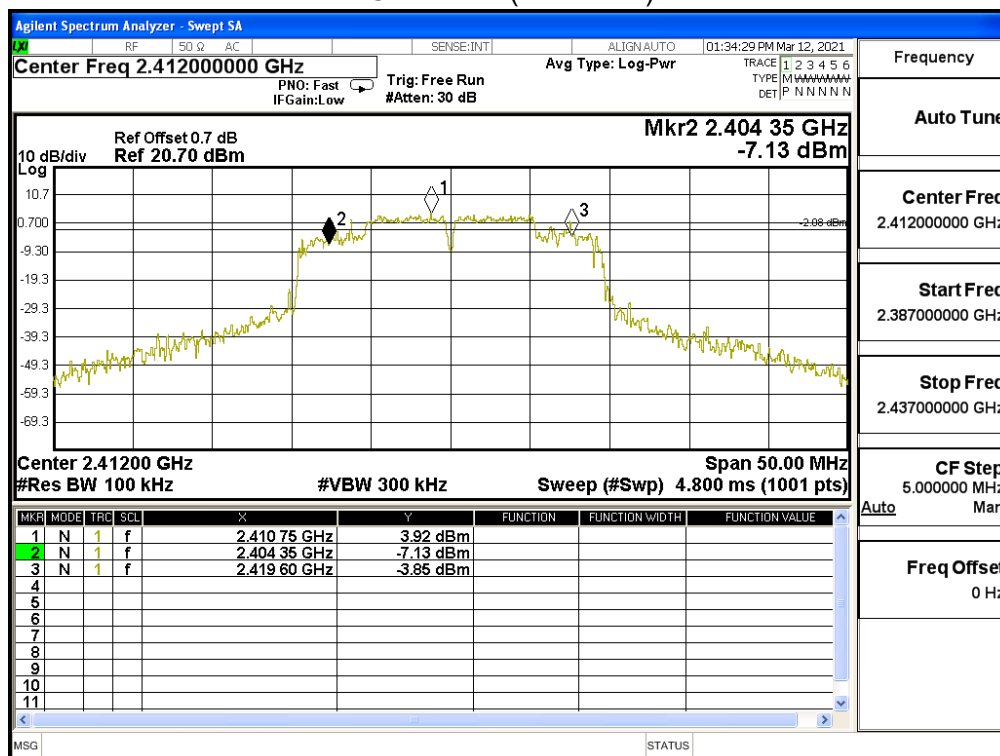
Channel 11 (2462MHz)



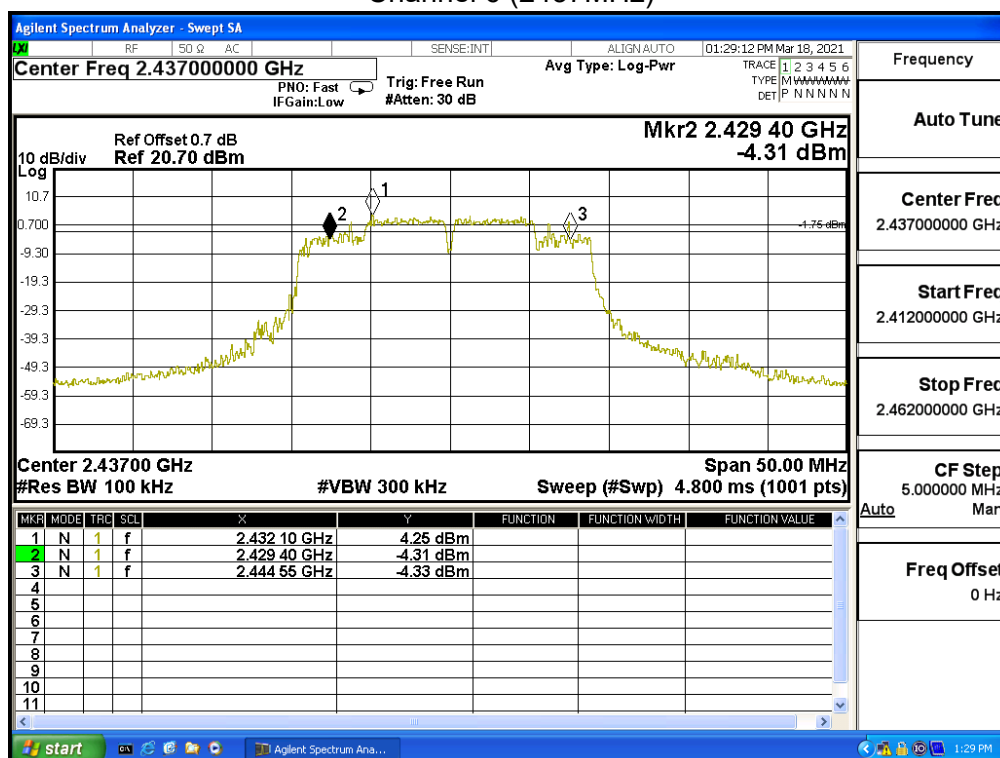
Product	2x2 11ax WIFI AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 5: Transmit RU BE UNMOD_PoE Mode		
Date of Test	2021/03/12~2021/03/18	Test Site	SR12-H
Temperature (°C)	23.0	Humidity (%RH)	65.0

IEEE 802.11ax(20M)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	15250	>500	Pass
06	2437	15150	>500	Pass
11	2462	15200	>500	Pass

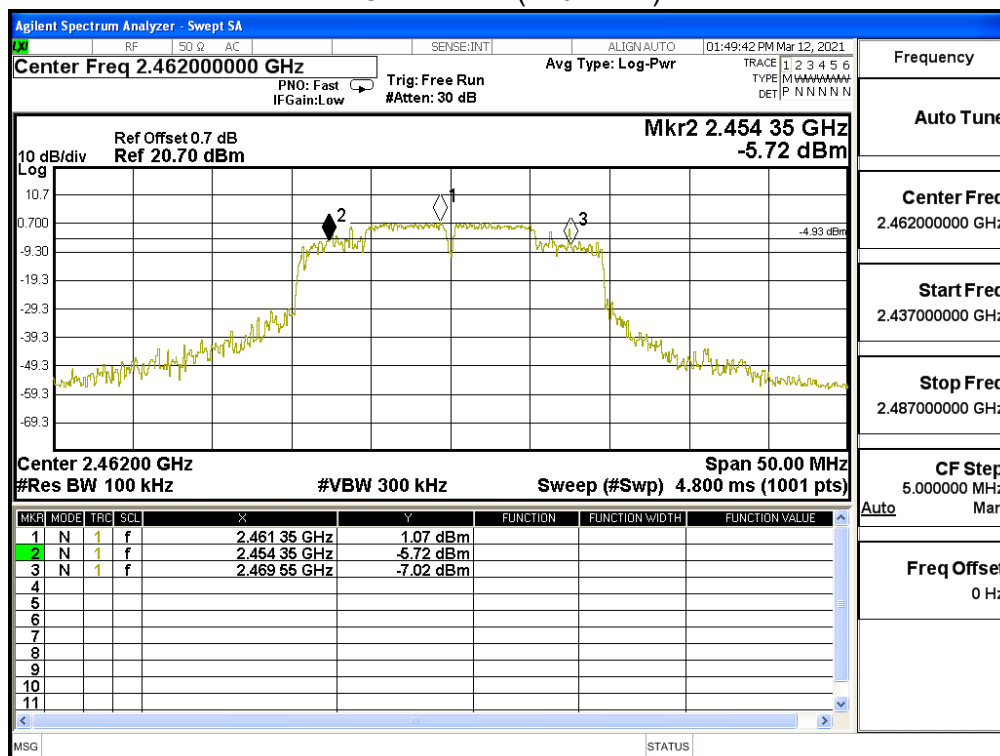
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



IEEE 802.11ax(40M)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	35300	>500	Pass
06	2437	34100	>500	Pass
09	2452	35200	>500	Pass

Agilent Spectrum Analyzer - Swept SA

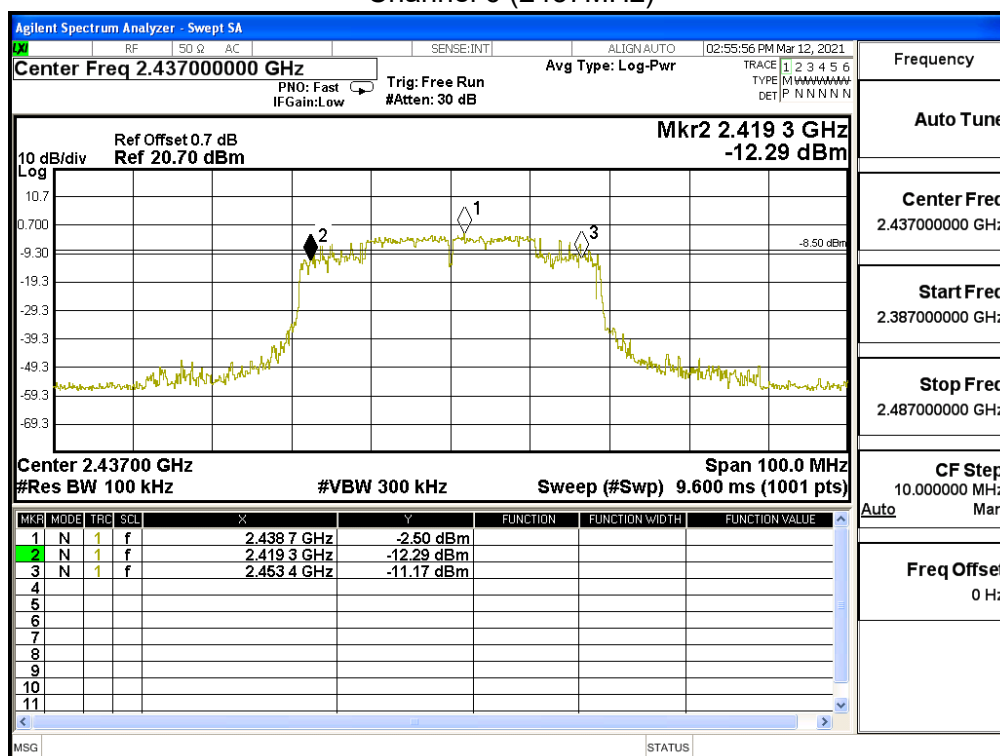
Channel 1: 2.422 MHz

Center Freq 2.42200000 GHz Avg Type: Log-Pwr PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Ref Offset 0.7 dB Ref 20.70 dBm Mkr2 2.404 3 GHz -12.21 dBm Frequency 2.42200000 GHz Auto Tune

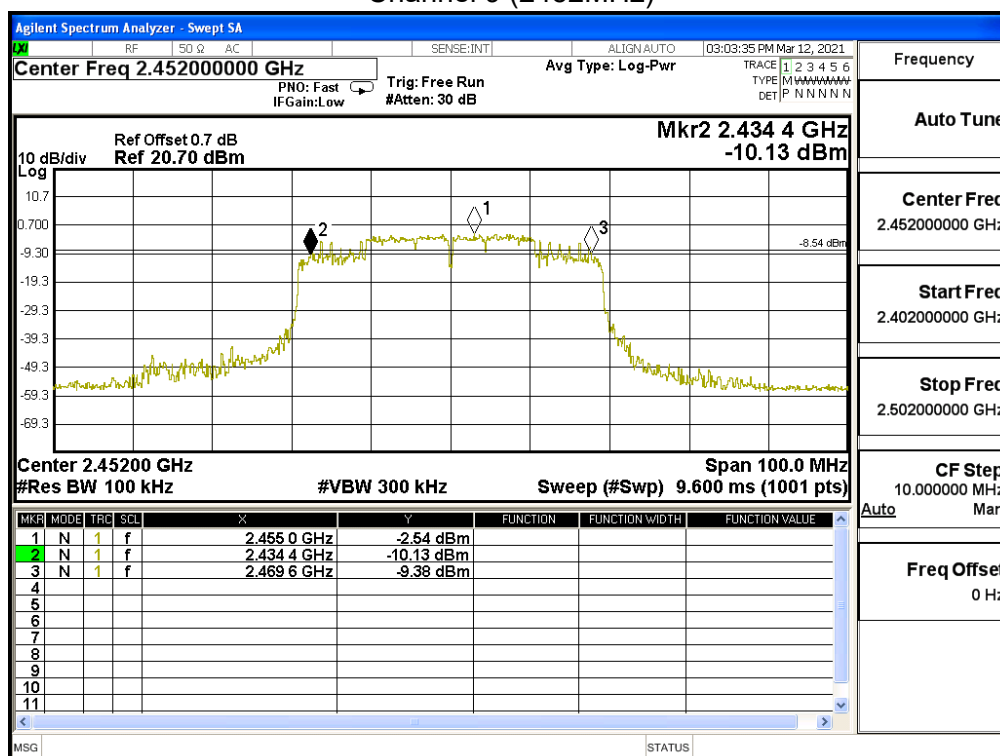
MkR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.424 9 GHz	-2.71 dBm			
2	N	1	f	2.404 3 GHz	-12.21 dBm			
3	N	1	f	2.439 6 GHz	-11.87 dBm			

Center 2.42200 GHz Span 100.0 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep (#Swp) 9.600 ms (1001 pts)

Channel 6 (2437MHz)



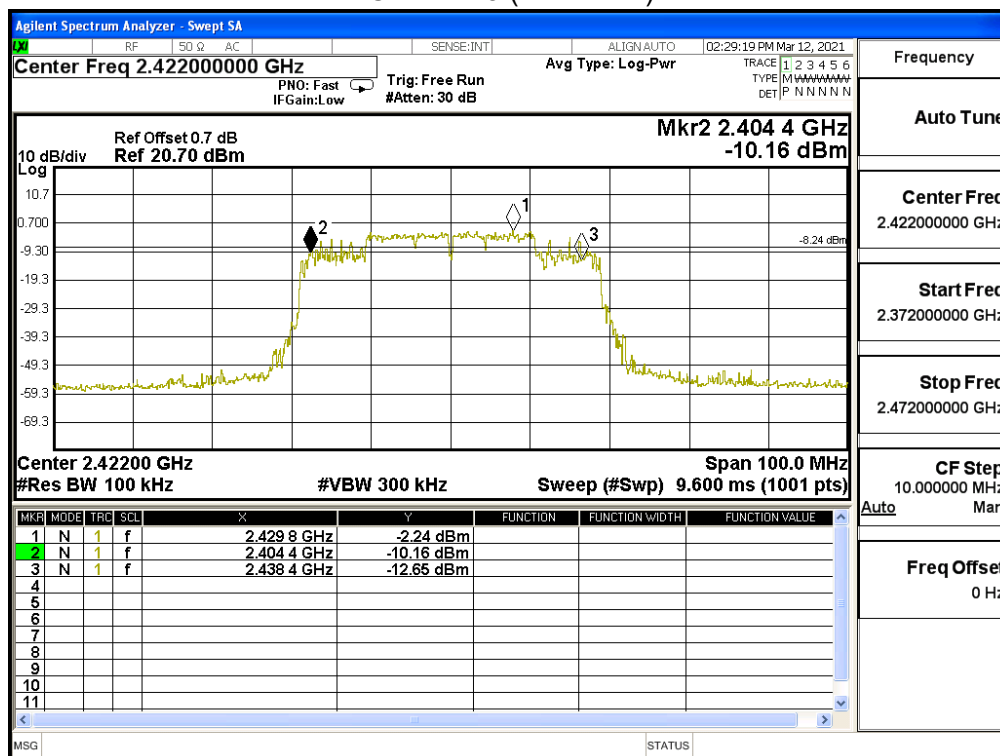
Channel 9 (2452MHz)



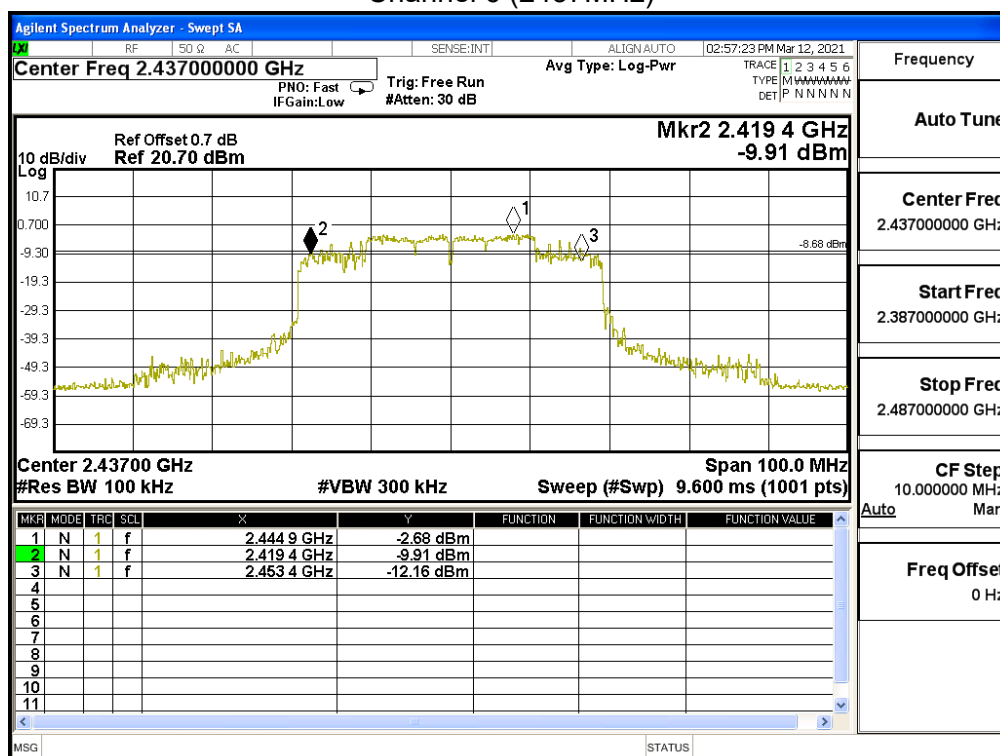
Product	2x2 11ax WIFI AP		
Test Item	DTS Bandwidth		
Test Mode	Mode 5: Transmit RU BE UNMOD_PoE Mode		
Date of Test	2021/03/12	Test Site	SR12-H
Temperature (°C)	23.0	Humidity (%RH)	65.0

IEEE 802.11ax(40M)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	34000	>500	Pass
06	2437	34000	>500	Pass
09	2452	35200	>500	Pass

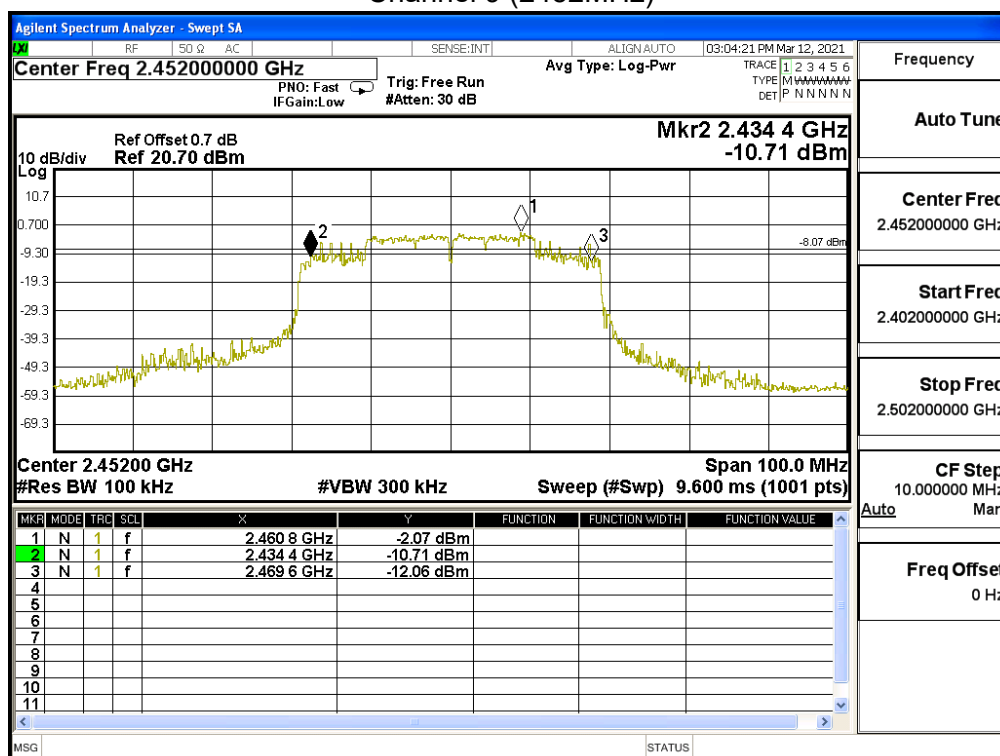
Channel 3 (2422MHz)



Channel 6 (2437MHz)

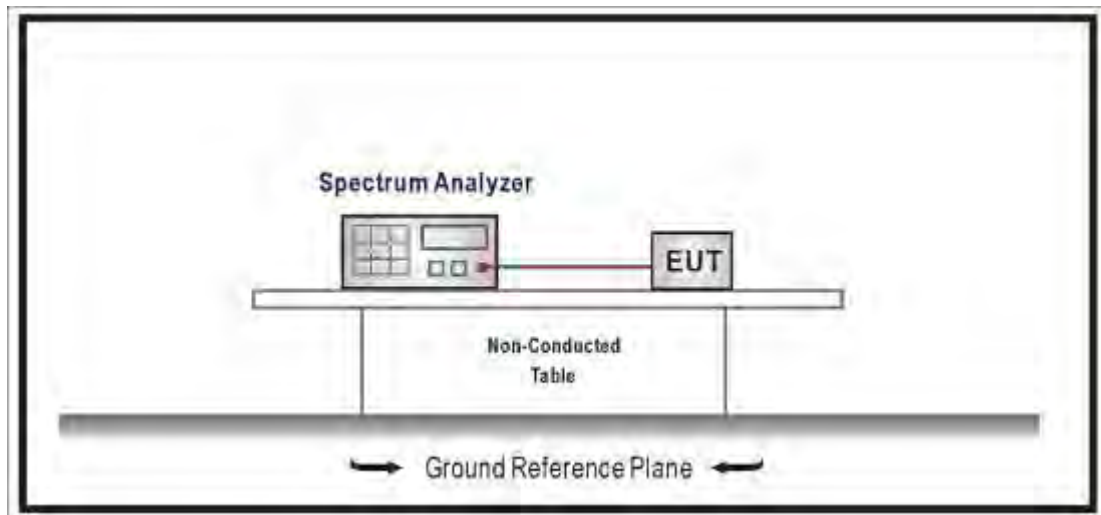


Channel 9 (2452MHz)



7. Power Density

7.1. Test Setup



7.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

Set 3KHz $\leq$ RBW $\leq$ 100 kHz, Set VBW $\geq$ 3xRBW, Sweep time=Auto, Set Peak detector.

7.4. Test Specification

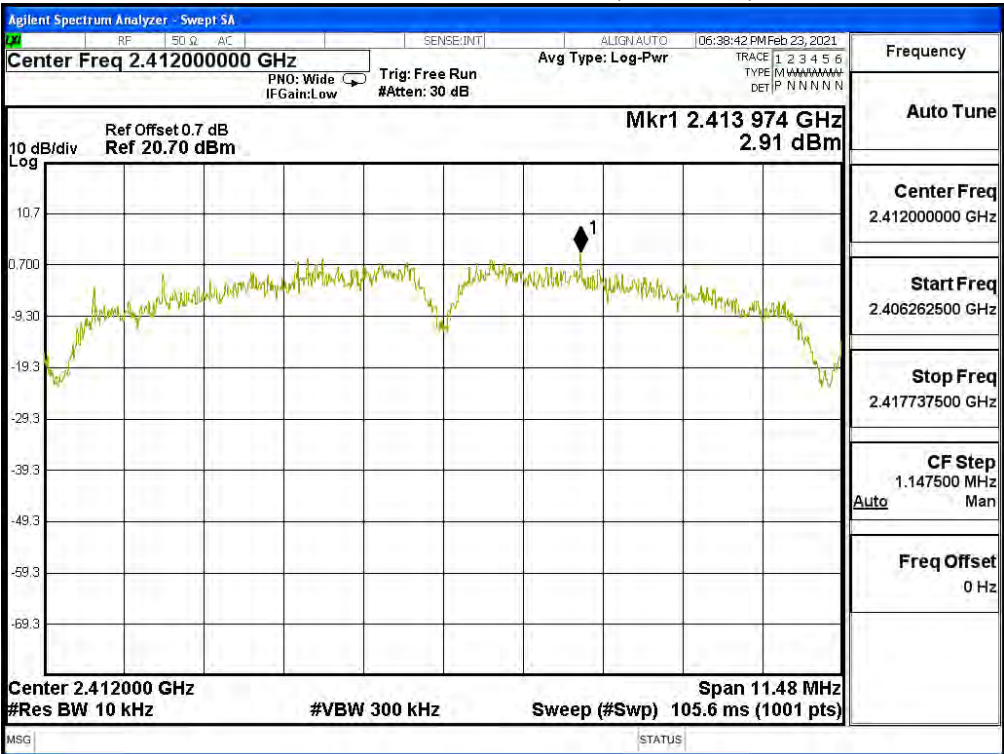
According to FCC Part 15 Subpart C Paragraph 15.247: 2019

7.4.1. Test Result

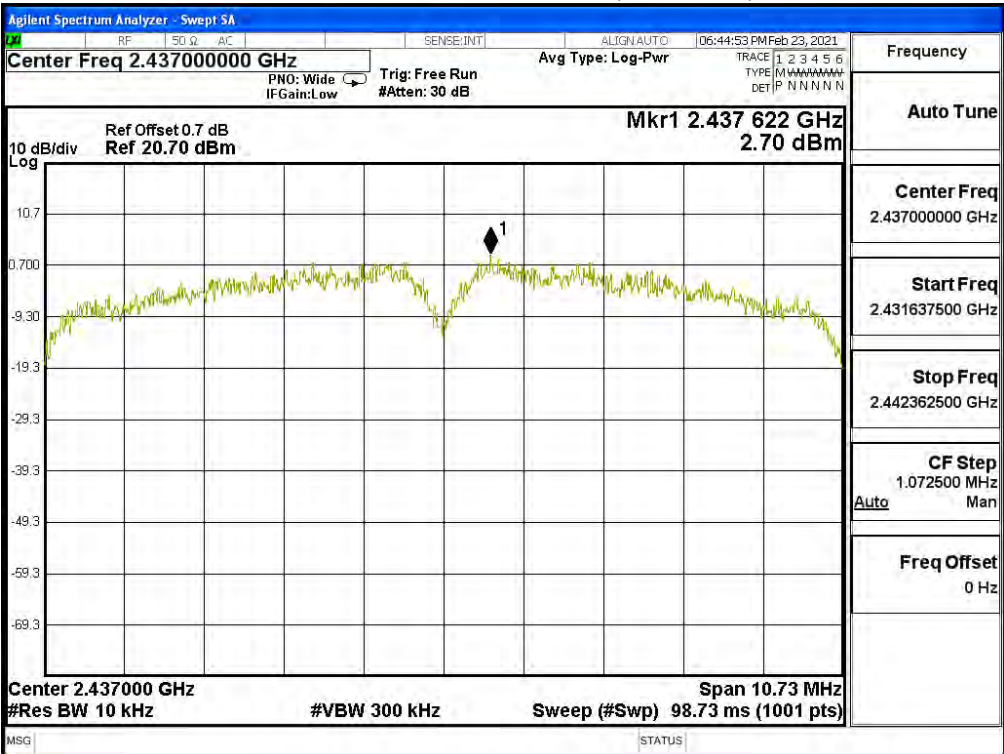
Product	2x2 11ax WIFI AP		
Test Item	Power Density		
Test Mode	Mode 2: Transmit CDD_PoE Mode		
Date of Test	2021/02/19~2021/02/24	Test Site	SR12-H
Temperature (°C)	22.0	Humidity (%RH)	67.0

Channel	Frequency	Data Rate	Ant.	PPSD/MHz	10*log(2)	Total	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dB)	PPSD/MHz	(dBm)	
802.11b								
1	2412	1	0	2.91	3.01	5.92	8	Pass
			1	4.45	3.01	7.46		Pass
6	2437	1	0	2.70	3.01	5.71	8	Pass
			1	3.19	3.01	6.20		Pass
11	2462	1	0	4.40	3.01	7.41	8	Pass
			1	4.84	3.01	7.85		Pass
802.11g								
1	2412	6	0	3.71	3.01	6.72	8	Pass
			1	3.40	3.01	6.41		Pass
6	2437	6	0	4.91	3.01	7.92	8	Pass
			1	4.51	3.01	7.52		Pass
11	2462	6	0	3.66	3.01	6.67	8	Pass
			1	3.74	3.01	6.75		Pass

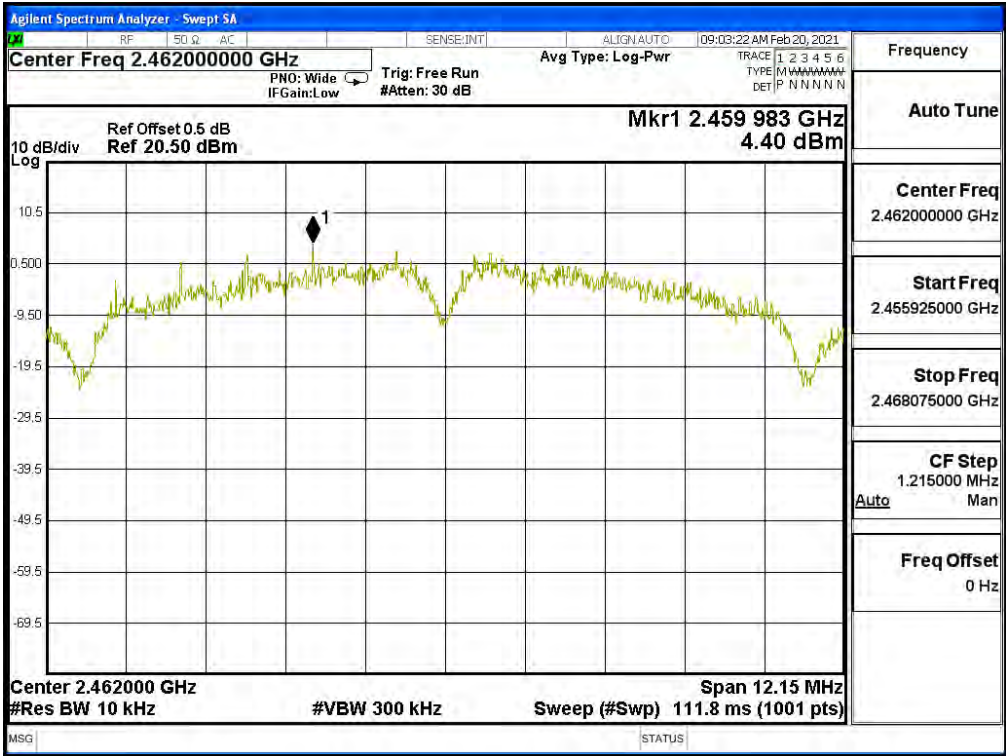
802.11b_ANT 0_Channel 1 (2412MHz)



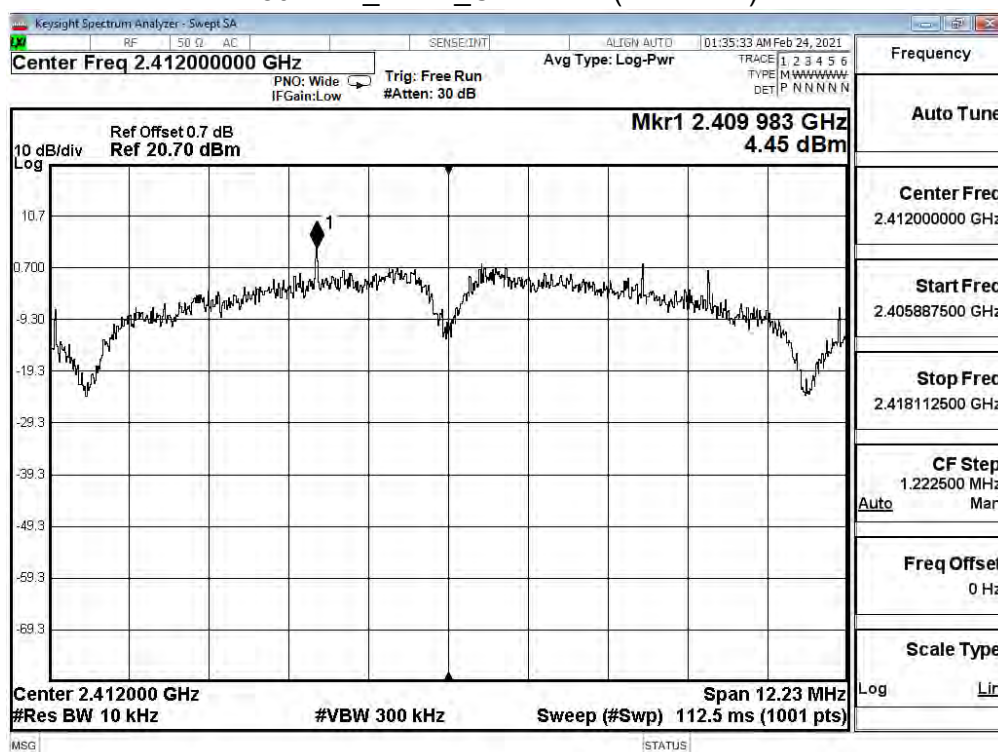
802.11b_ANT 0_Channel 6 (2437MHz)



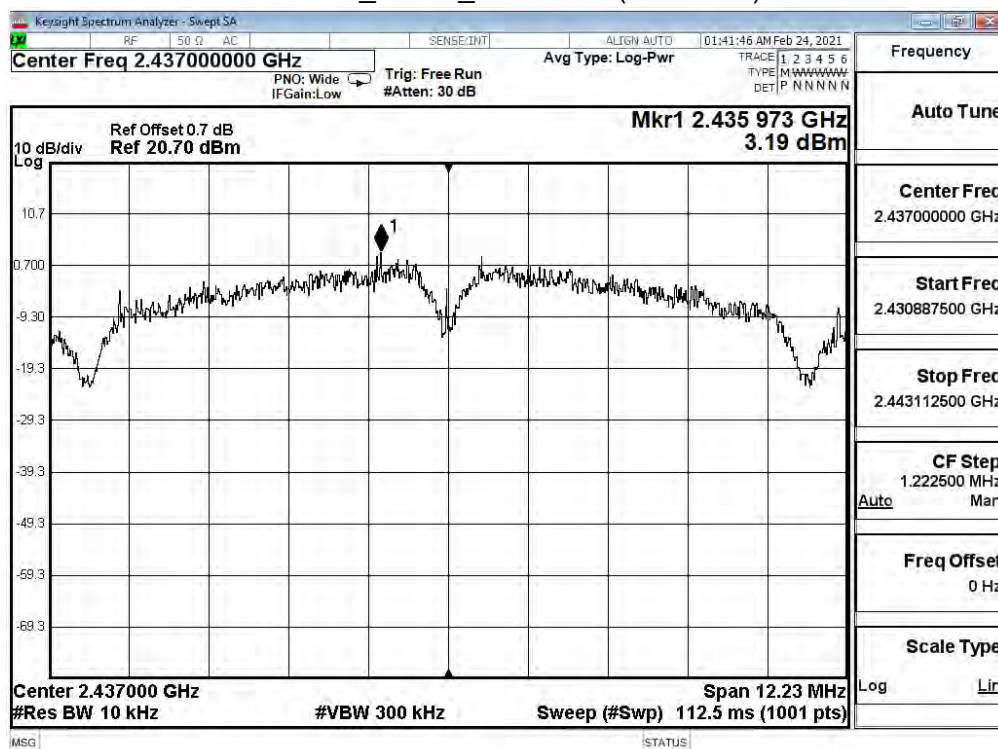
802.11b_ANT 0_Channel 11 (2462MHz)



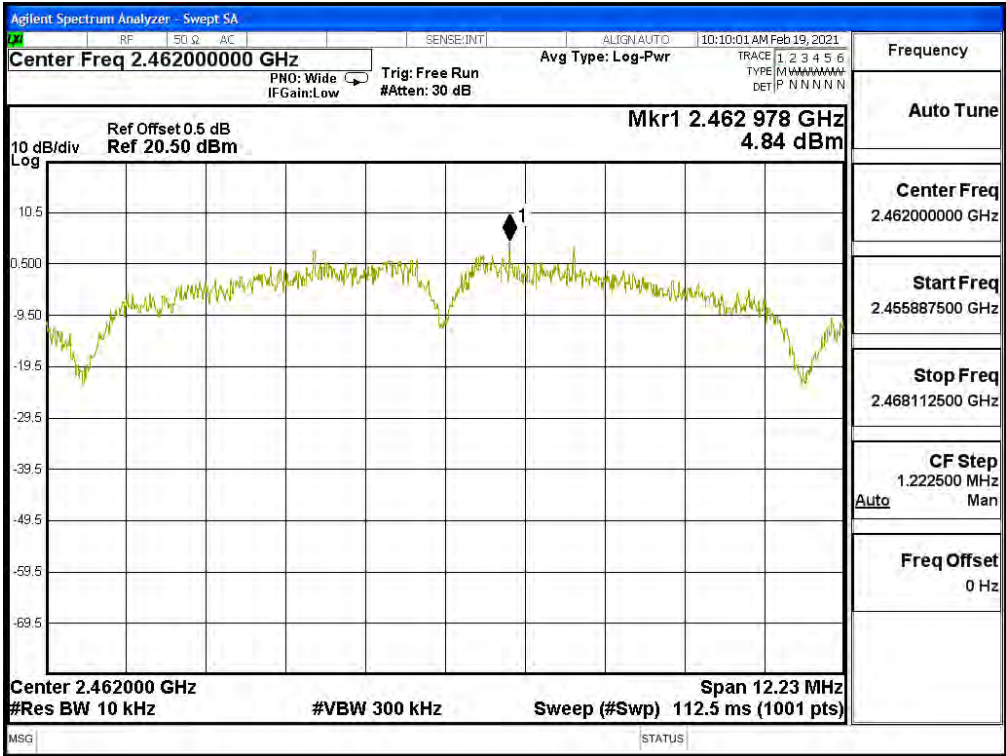
802.11b_ANT1_Channel 1 (2412MHz)



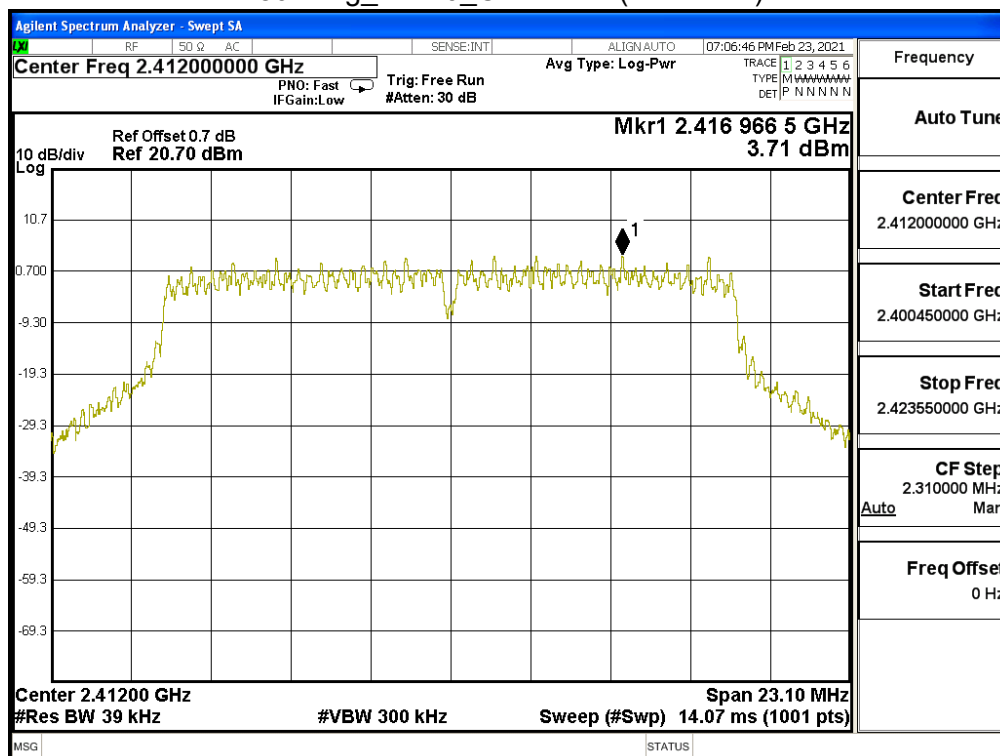
802.11b_ANT 1_Channel 6 (2437MHz)



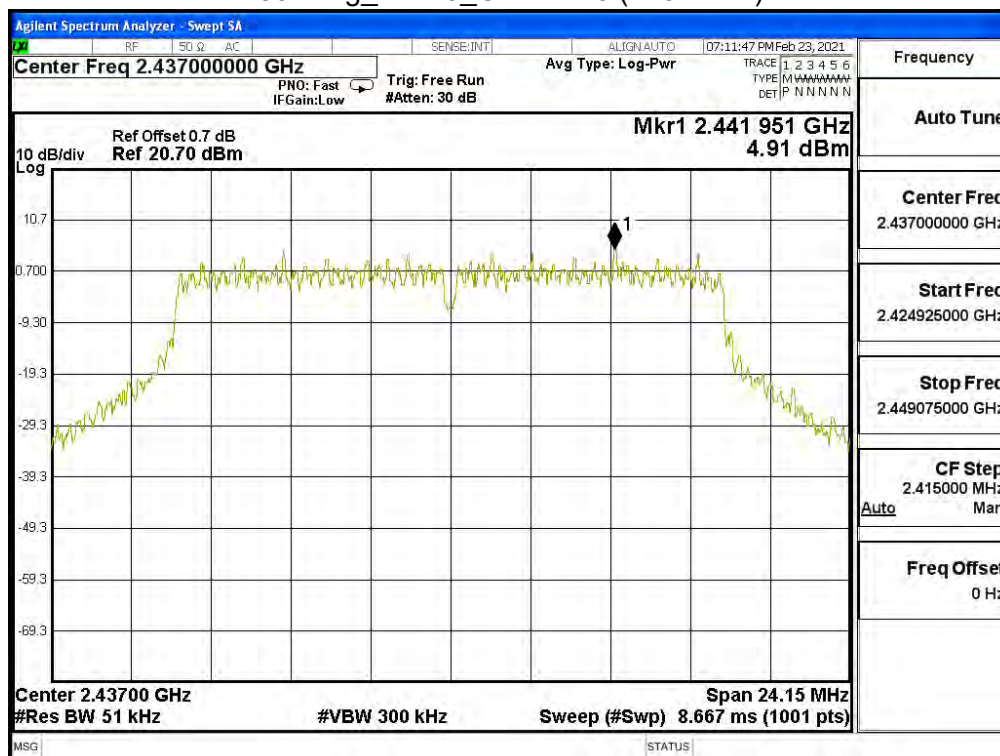
802.11b_ANT 1_Channel 11 (2462MHz)



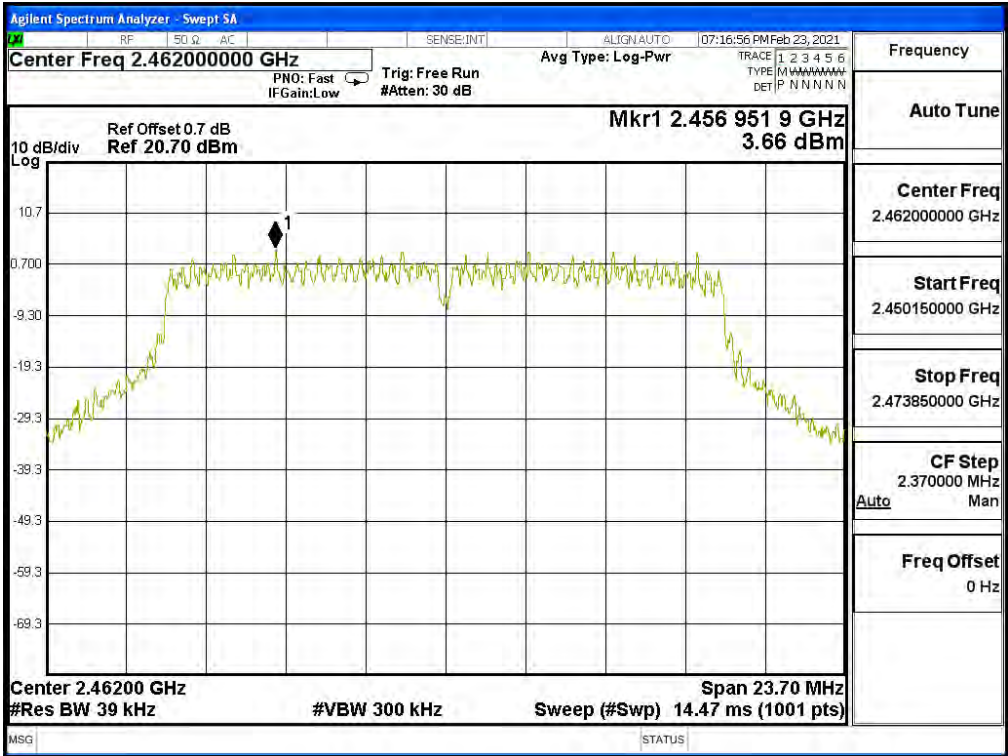
802.11g_ANT 0_Channel 1 (2412MHz)



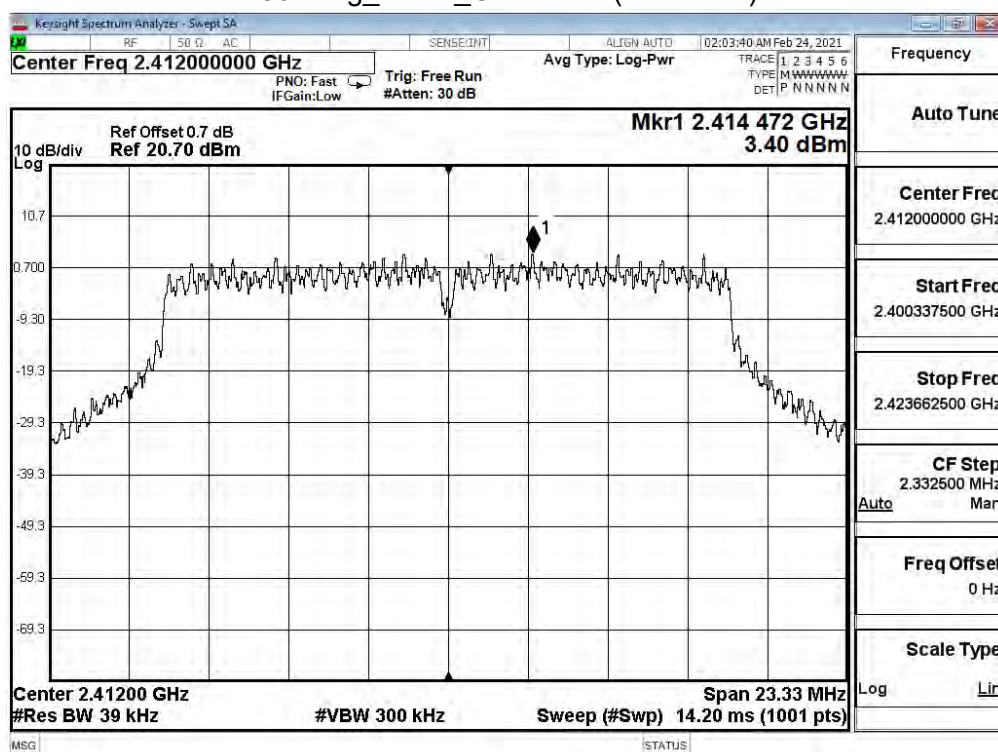
802.11g_ANT 0_Channel 6 (2437MHz)



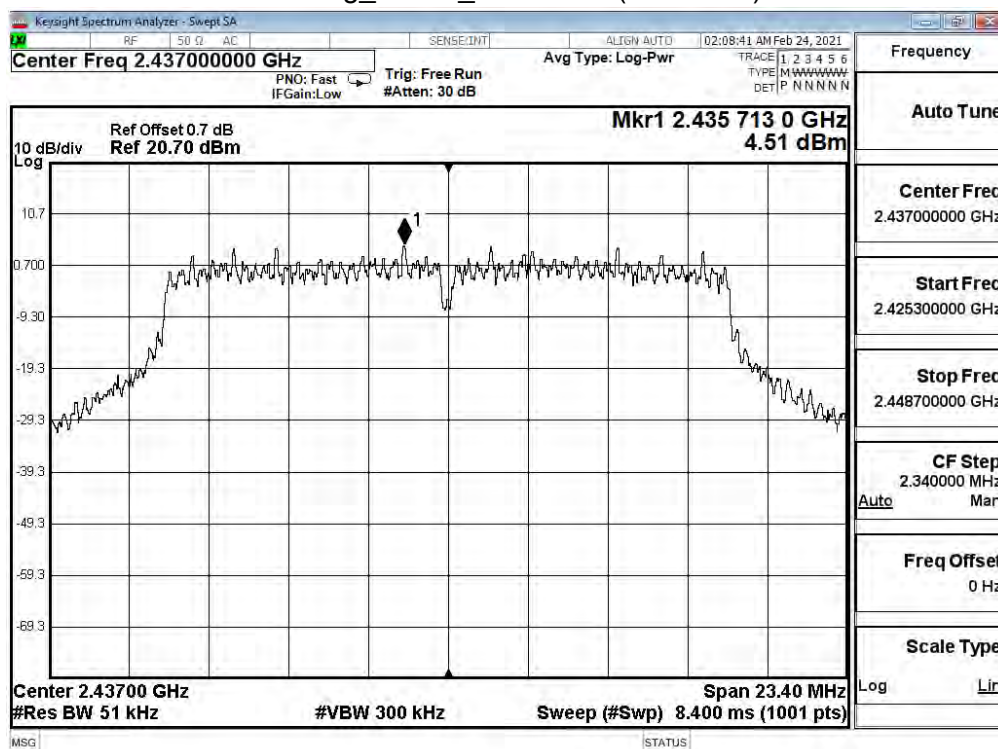
802.11g_ANT 0_Channel 11 (2462MHz)



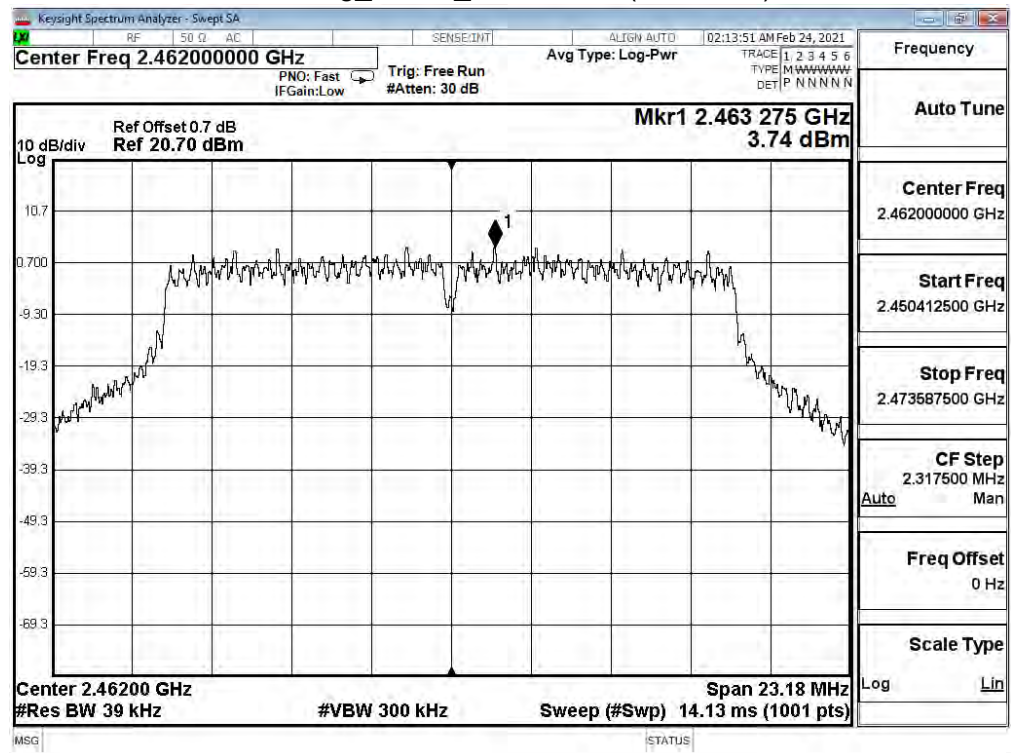
802.11g_ANT1_Channel 1 (2412MHz)



802.11g_ANT 1_Channel 6 (2437MHz)



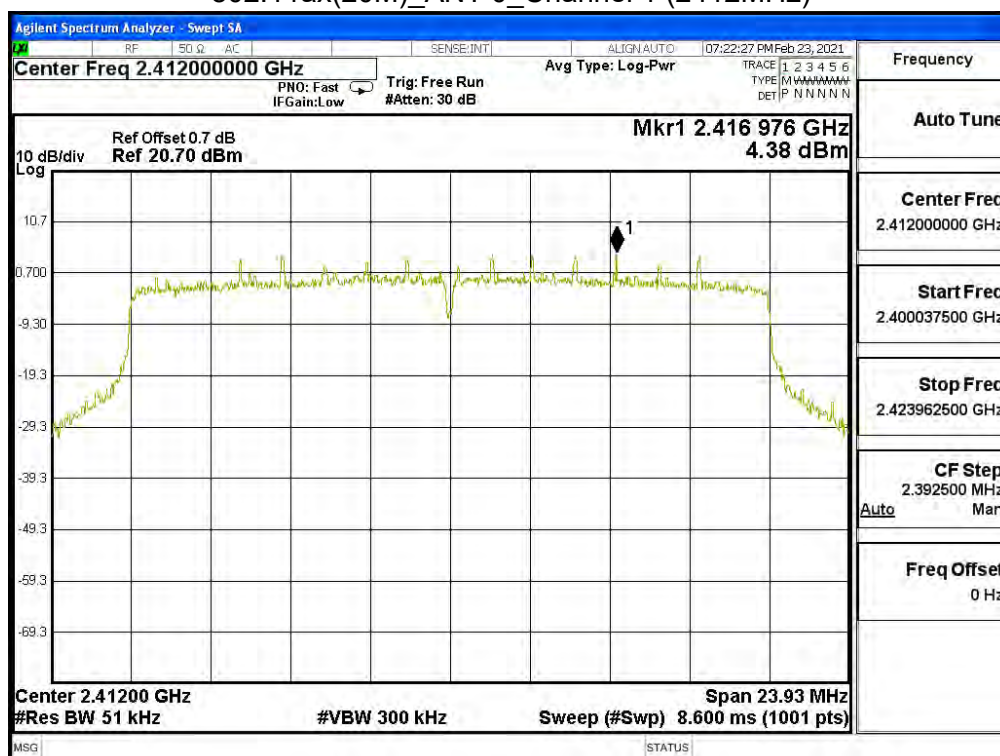
802.11g_ANT 1_Channel 11 (2462MHz)



Product	2x2 11ax WIFI AP		
Test Item	Power Density		
Test Mode	Mode 3: Transmit RU Full_PoE Mode		
Date of Test	2021/02/23~2021/02/24	Test Site	SR12-H
Temperature (°C)	22.0	Humidity (%RH)	63.0

Channel	Frequency	Data Rate	Ant.	PPSD/MHz	10*log(2)	Total PPSD/MHz	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	
802.11ax(20M)								
1	2412	MCS0	0	4.38	3.01	7.39	8	Pass
			1	4.24	3.01	7.25		Pass
6	2437	MCS0	0	4.57	3.01	7.58	8	Pass
			1	4.73	3.01	7.74		Pass
11	2462	MCS0	0	4.62	3.01	7.63	8	Pass
			1	4.22	3.01	7.23		Pass
802.11ax(40M)								
3	2422	MCS0	0	1.90	3.01	4.91	8	Pass
			1	1.67	3.01	4.68		Pass
6	2437	MCS0	0	2.13	3.01	5.14	8	Pass
			1	1.27	3.01	4.28		Pass
9	2452	MCS0	0	2.74	3.01	5.75	8	Pass
			1	1.91	3.01	4.92		Pass

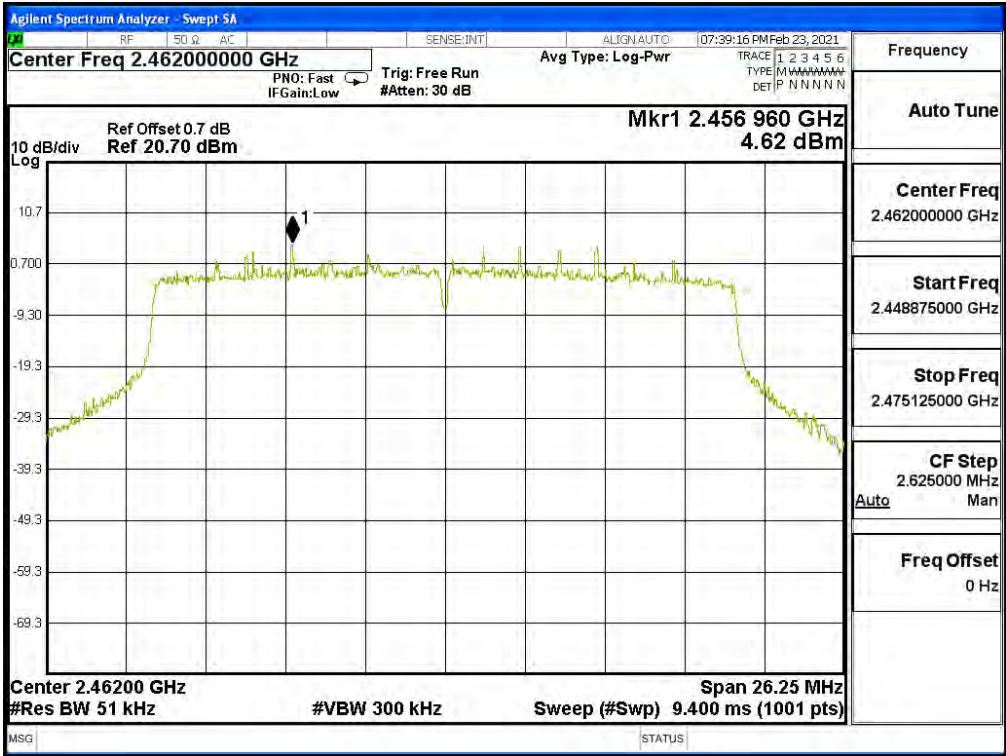
802.11ax(20M)_ANT 0_Channel 1 (2412MHz)



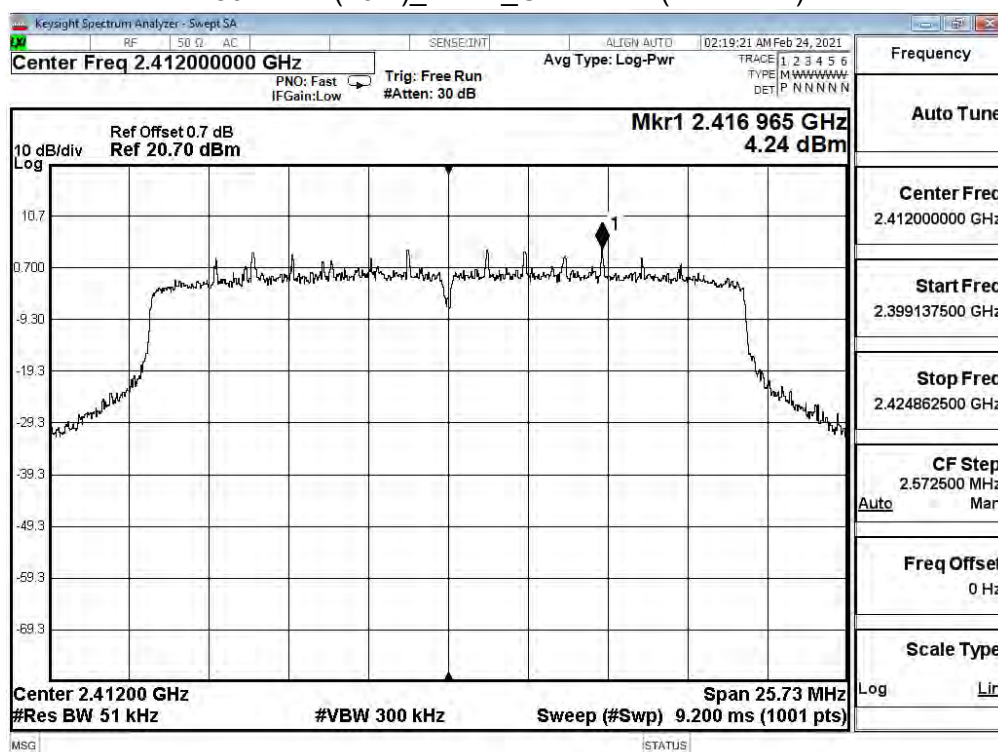
802.11ax(20M)_ANT 0_Channel 6 (2437MHz)



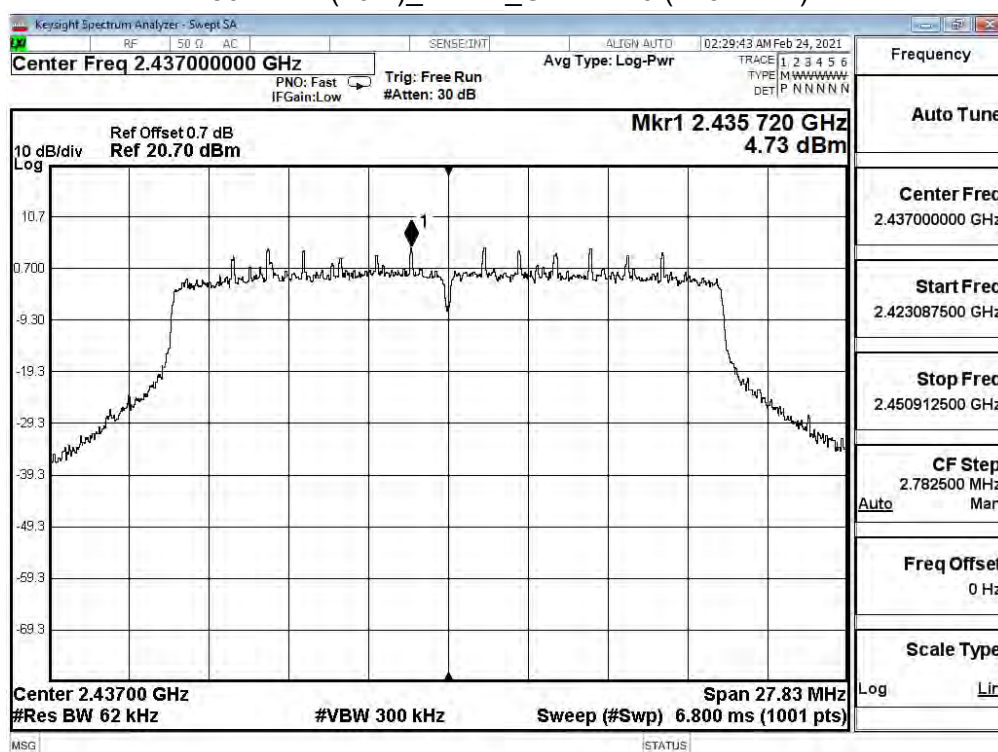
802.11ax(20M)_ANT 0_Channel 11 (2462MHz)



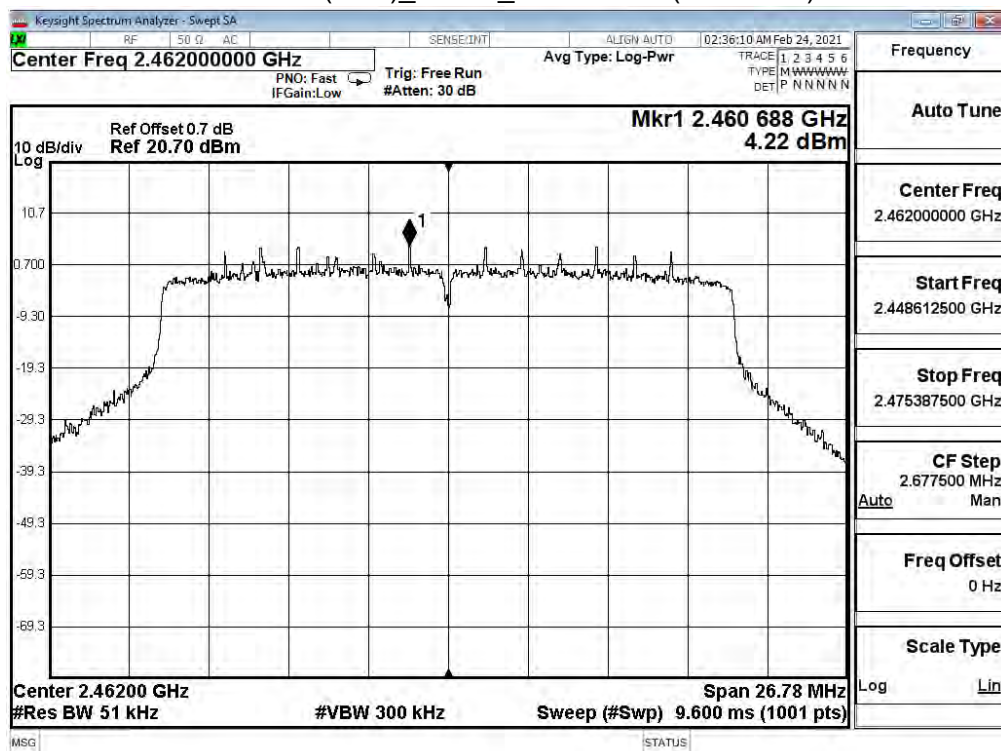
802.11ax(20M)_ANT1_Channel 1 (2412MHz)



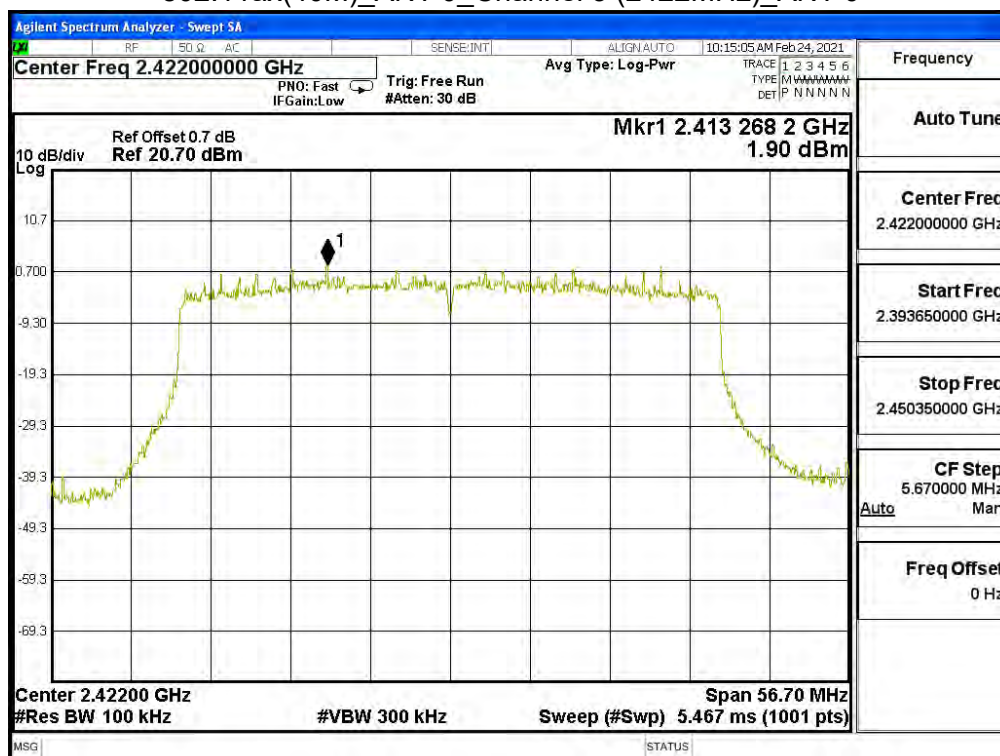
802.11ax(20M)_ANT 1_Channel 6 (2437MHz)



802.11ax(20M)_ANT 1_Channel 11 (2462MHz)



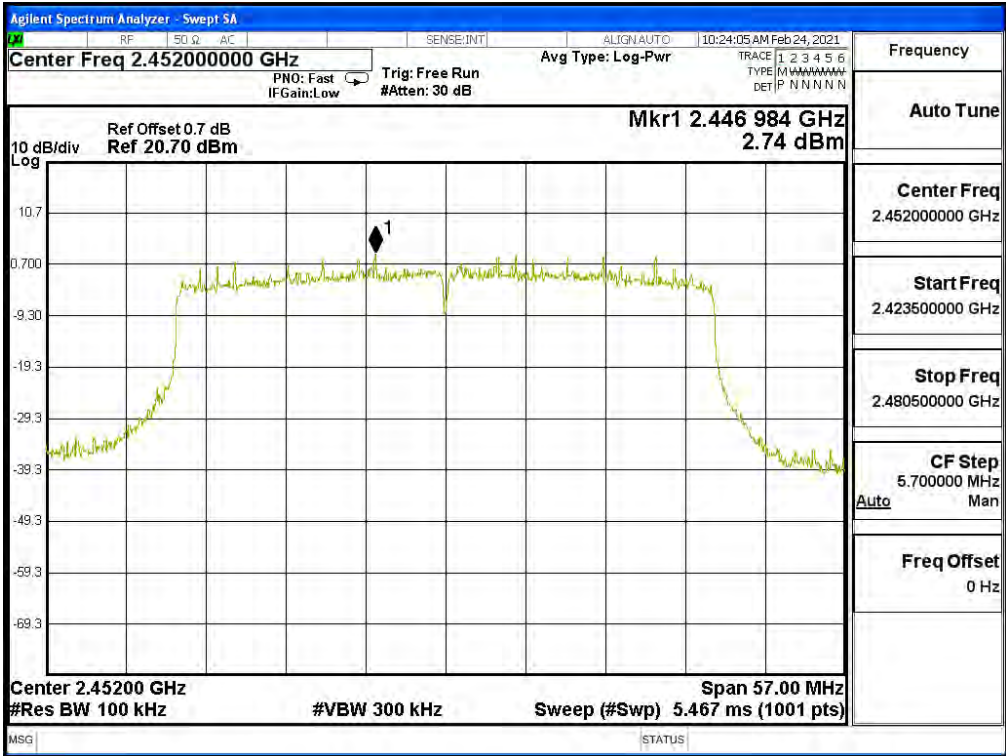
802.11ax(40M)_ANT 0_Channel 3 (2422MHz)_ANT 0



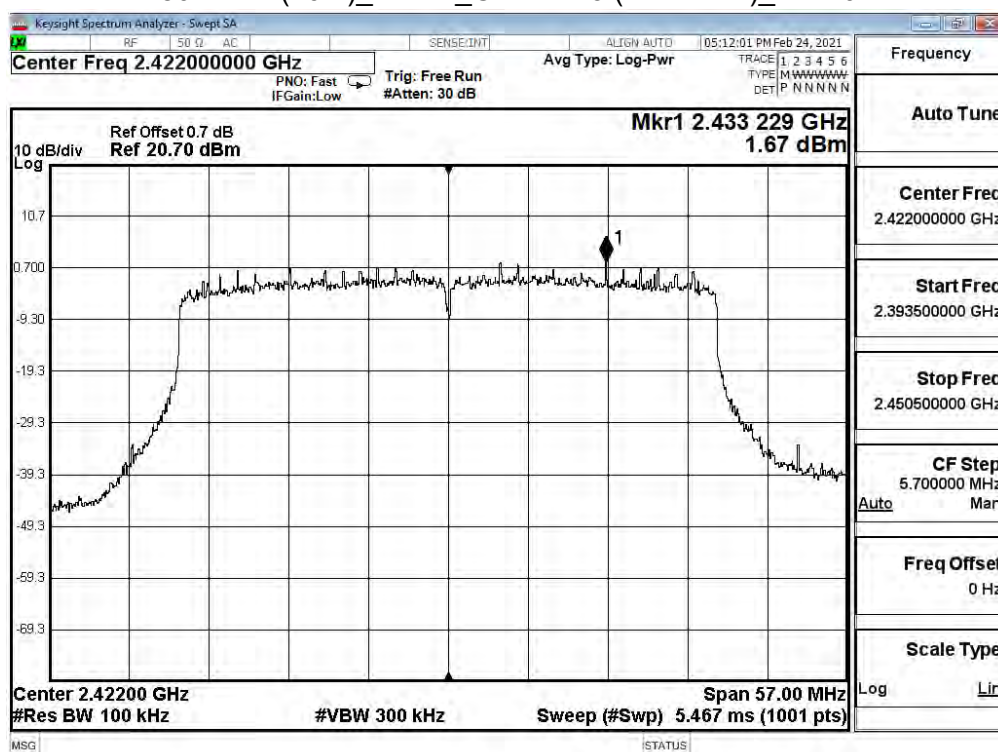
802.11ax(40M)_ANT 0_Channel 6 (2437MHz)



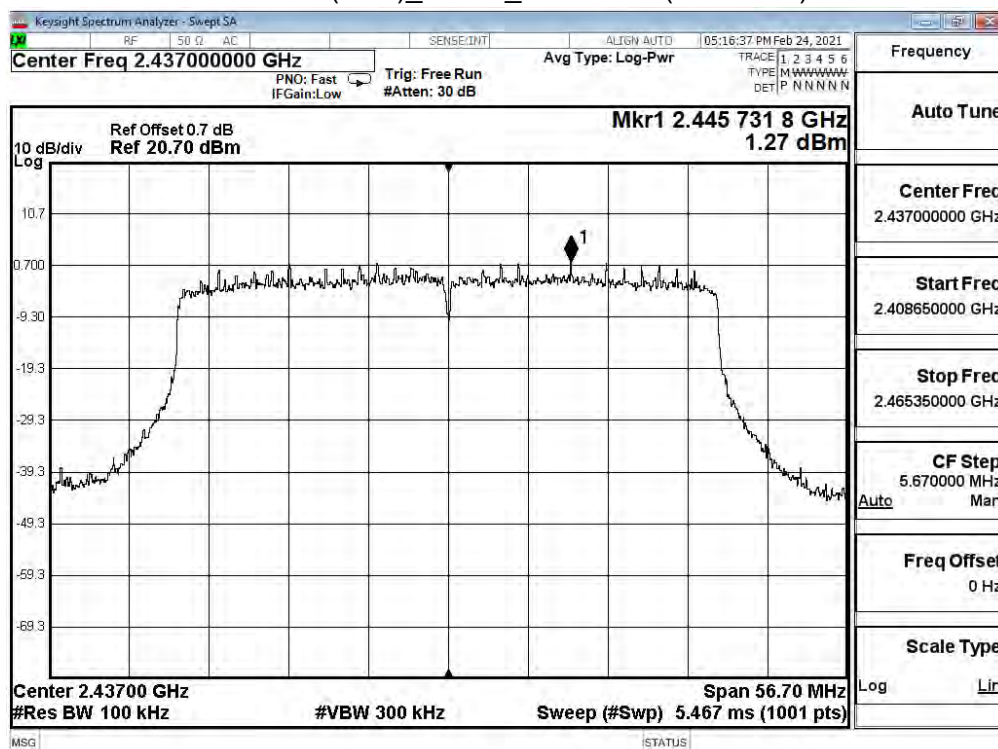
802.11ax(40M)_ANT 0_Channel 9 (2452MHz)



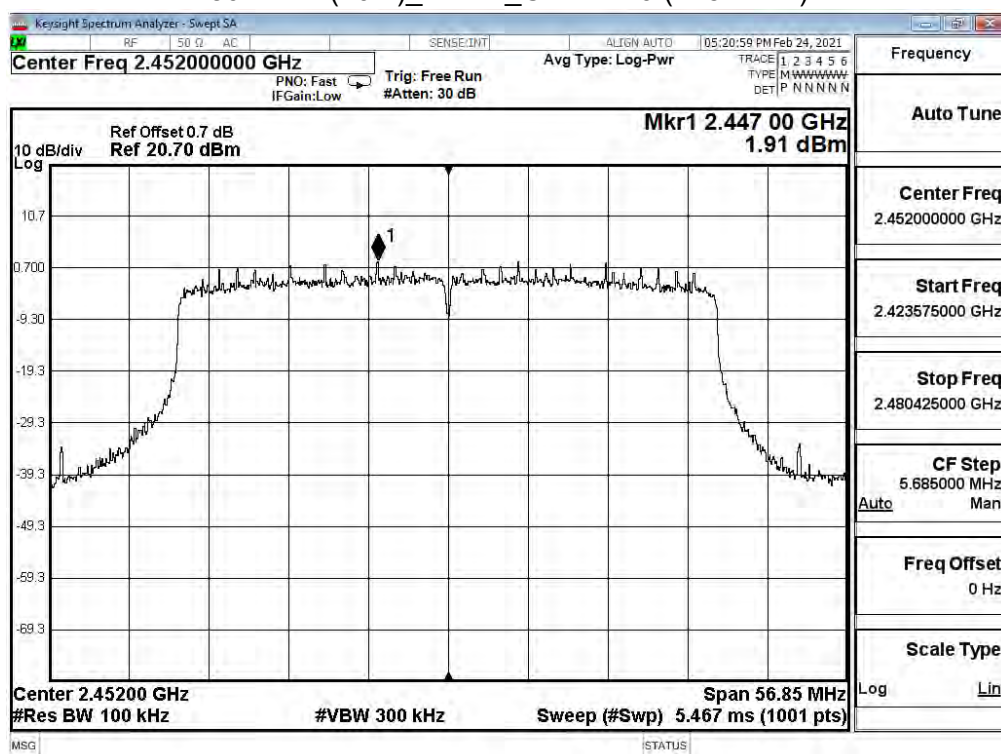
802.11ax(40M)_ANT 1_Channel 3 (2422MHz)_ANT 0



802.11ax(40M)_ANT 1_Channel 6 (2437MHz)



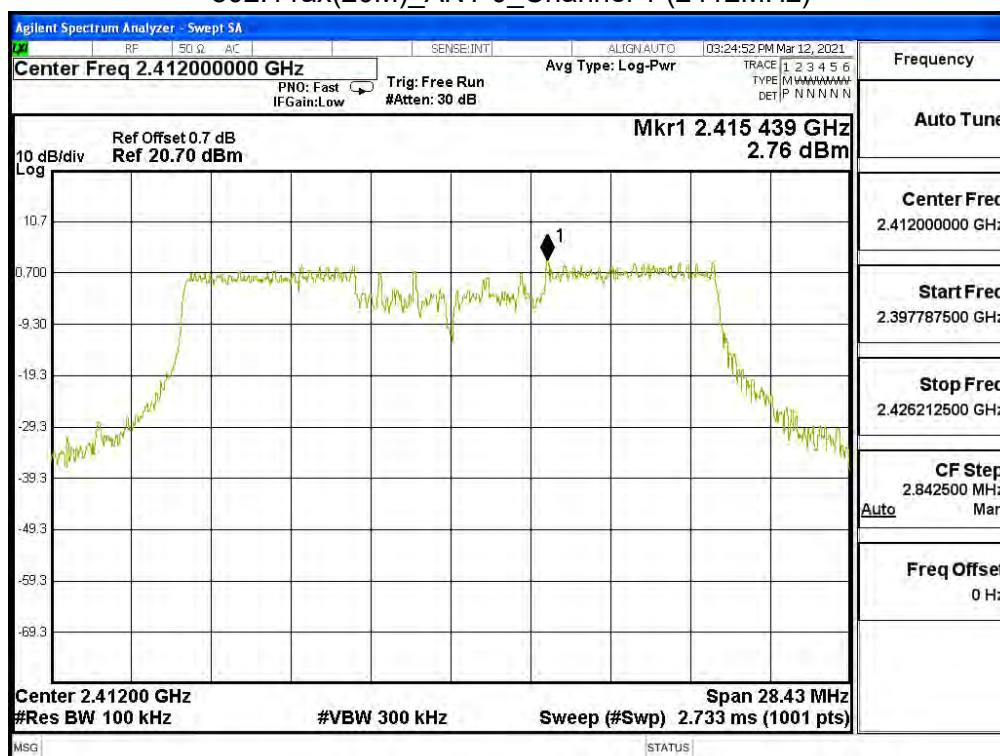
802.11ax(40M)_ANT 1_Channel 9 (2452MHz)



Product	2x2 11ax WIFI AP		
Test Item	Power Density		
Test Mode	Mode 4: Transmit RU M UNMOD_PoE Mode		
Date of Test	2021/03/12~2021/03/18	Test Site	SR12-H
Temperature (°C)	23.0	Humidity (%RH)	65.0

Channel	Frequency	Data Rate	Ant.	PPSD/MHz	10*log(2)	Total PPSD/MHz	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	
802.11ax(20M)								
1	2412	MCS0	0	2.76	3.01	5.77	8	Pass
			1	3.19	3.01	6.20		Pass
6	2437	MCS0	0	2.58	3.01	5.59	8	Pass
			1	4.04	3.01	7.05		Pass
11	2462	MCS0	0	0.38	3.01	3.39	8	Pass
			1	0.61	3.01	3.62		Pass
802.11ax(40M)								
3	2422	MCS0	0	-1.92	3.01	1.09	8	Pass
			1	-1.21	3.01	1.80		Pass
6	2437	MCS0	0	-2.64	3.01	0.37	8	Pass
			1	-1.67	3.01	1.34		Pass
9	2452	MCS0	0	-1.40	3.01	1.61	8	Pass
			1	-0.97	3.01	2.04		Pass

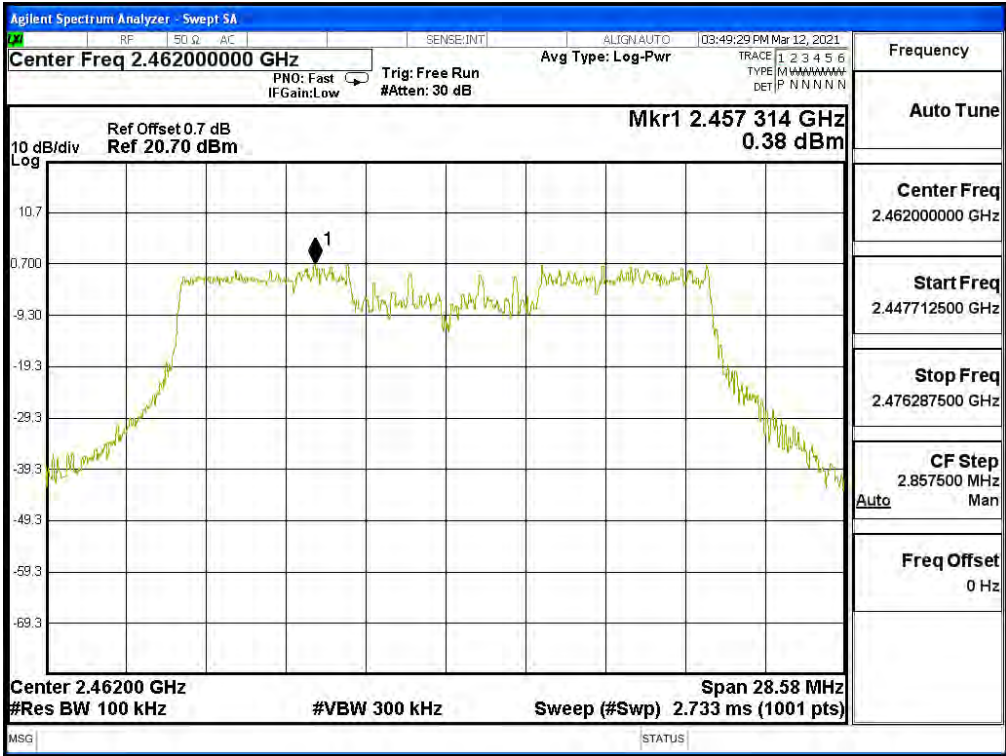
802.11ax(20M)_ANT 0_Channel 1 (2412MHz)



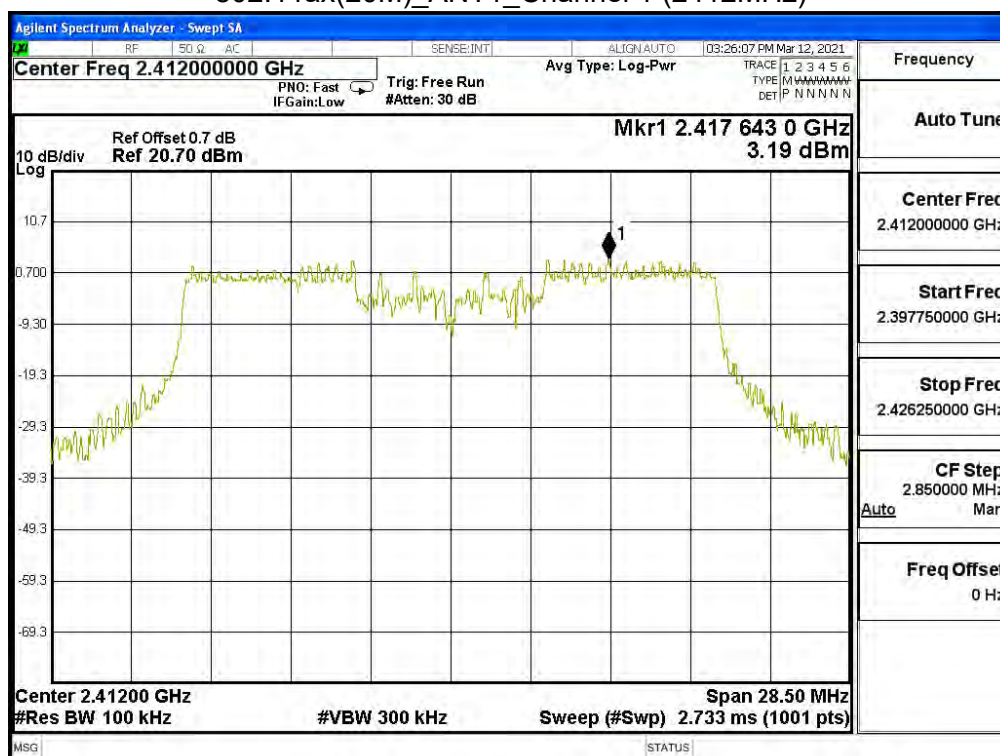
802.11ax(20M)_ANT 0_Channel 6 (2437MHz)



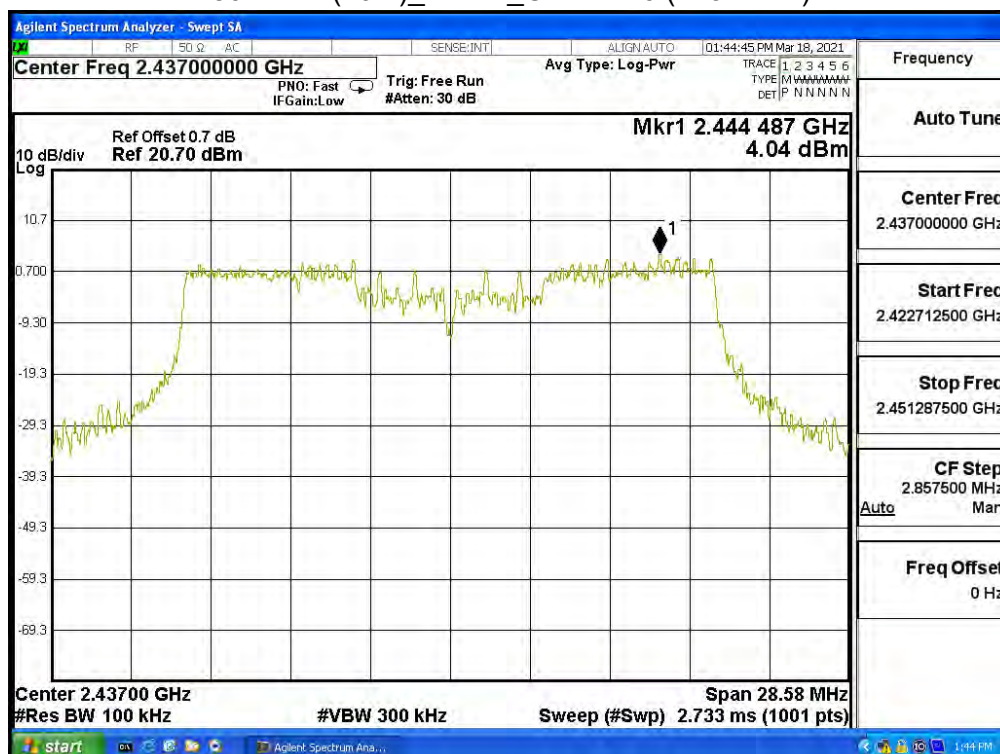
802.11ax(20M)_ANT 0_Channel 11 (2462MHz)



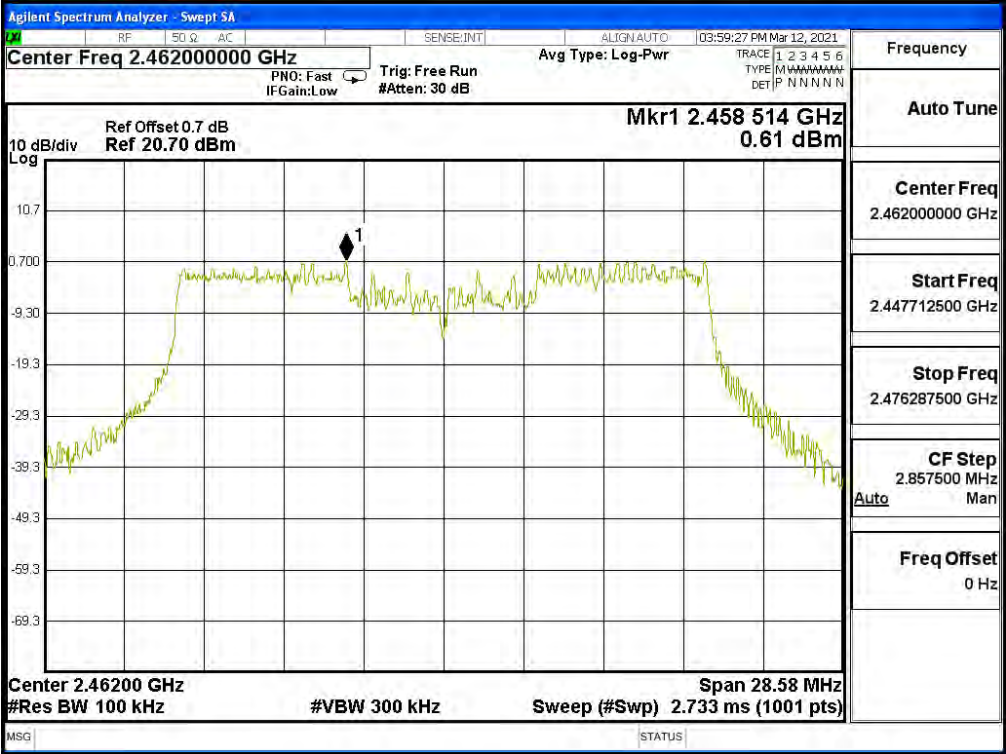
802.11ax(20M)_ANT1_Channel 1 (2412MHz)



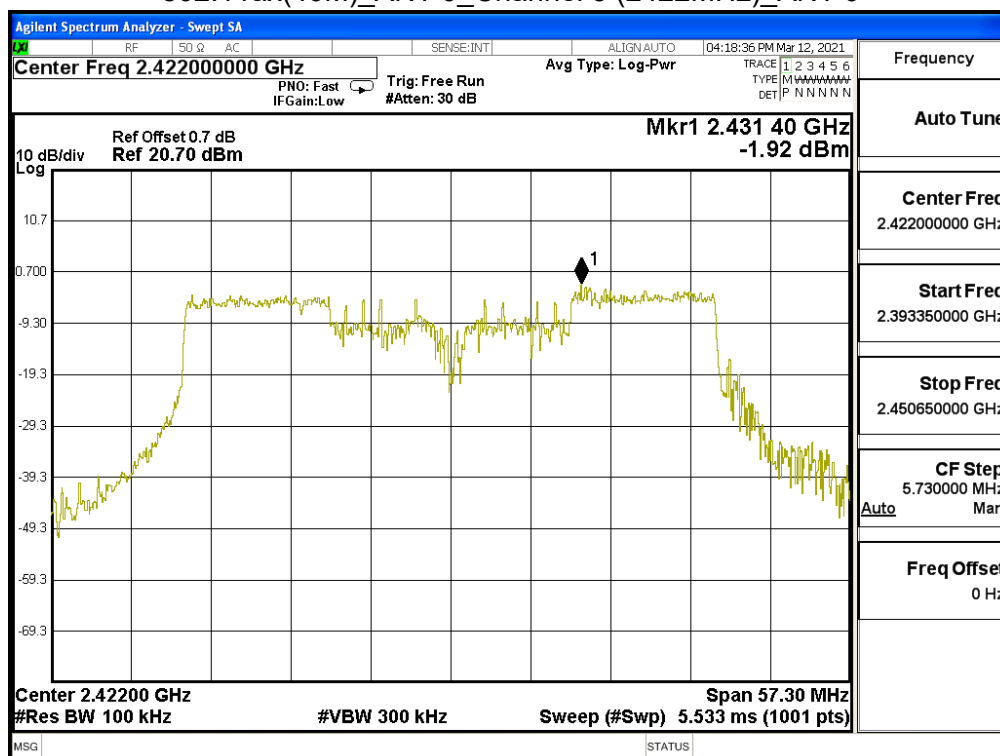
802.11ax(20M)_ANT 1_Channel 6 (2437MHz)



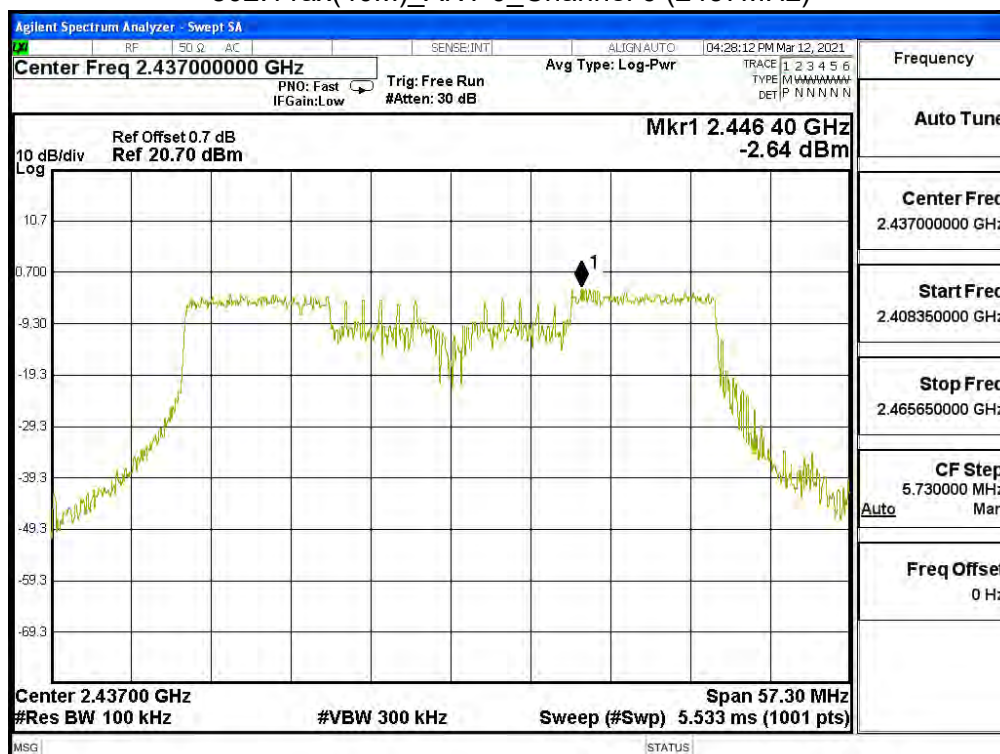
802.11ax(20M)_ANT 1_Channel 11 (2462MHz)



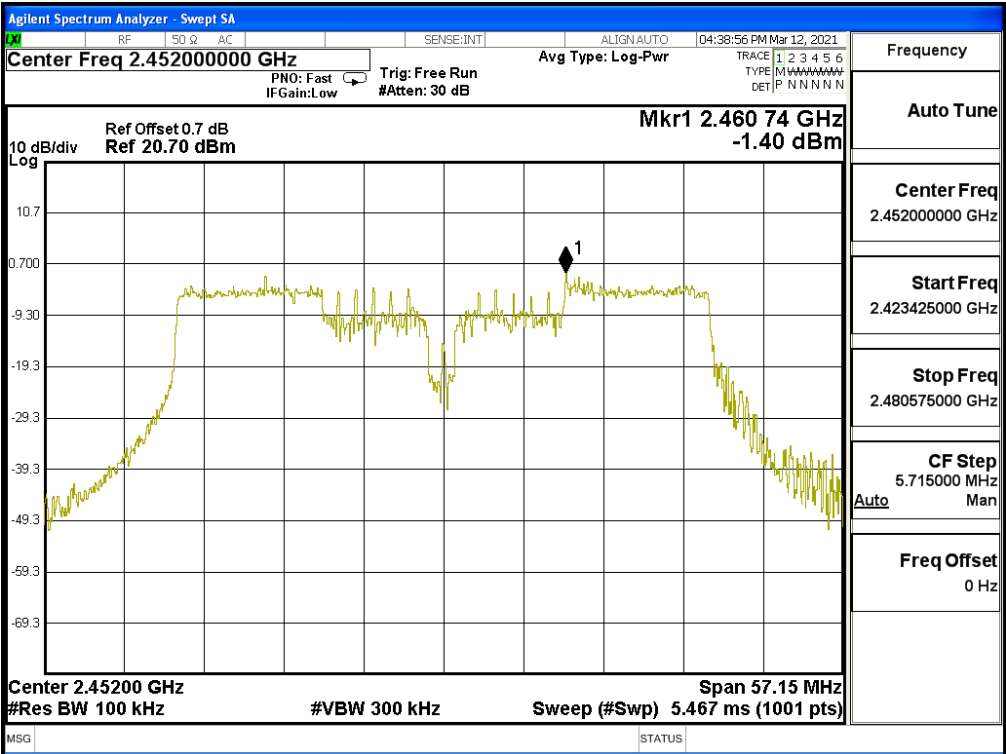
802.11ax(40M)_ANT 0_Channel 3 (2422MHz)_ANT 0



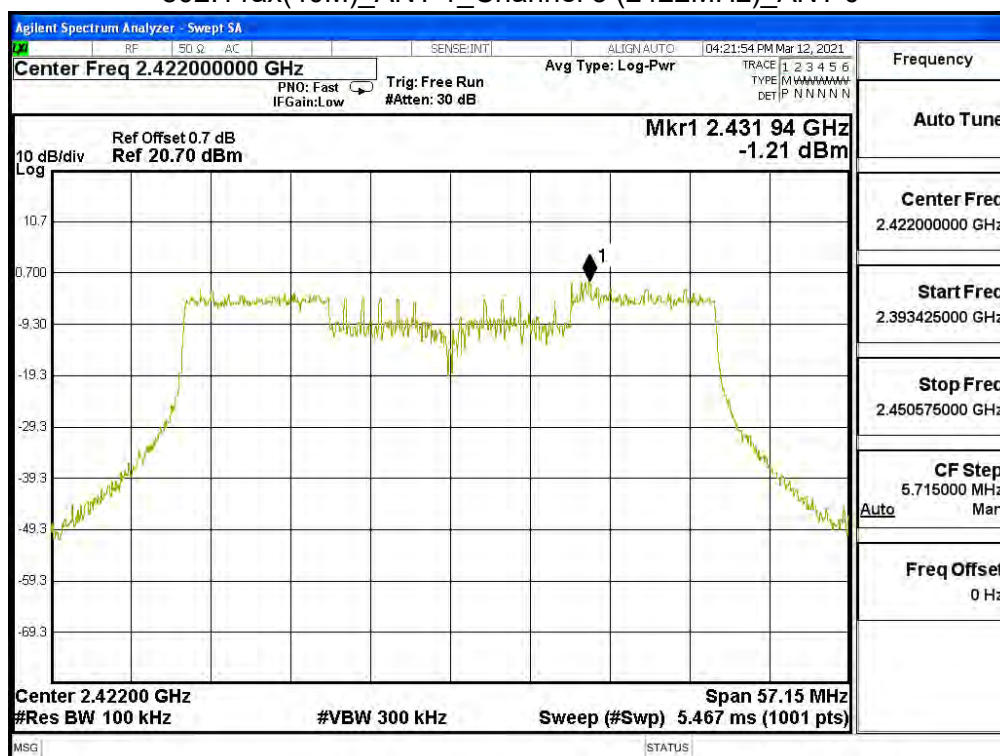
802.11ax(40M)_ANT 0_Channel 6 (2437MHz)



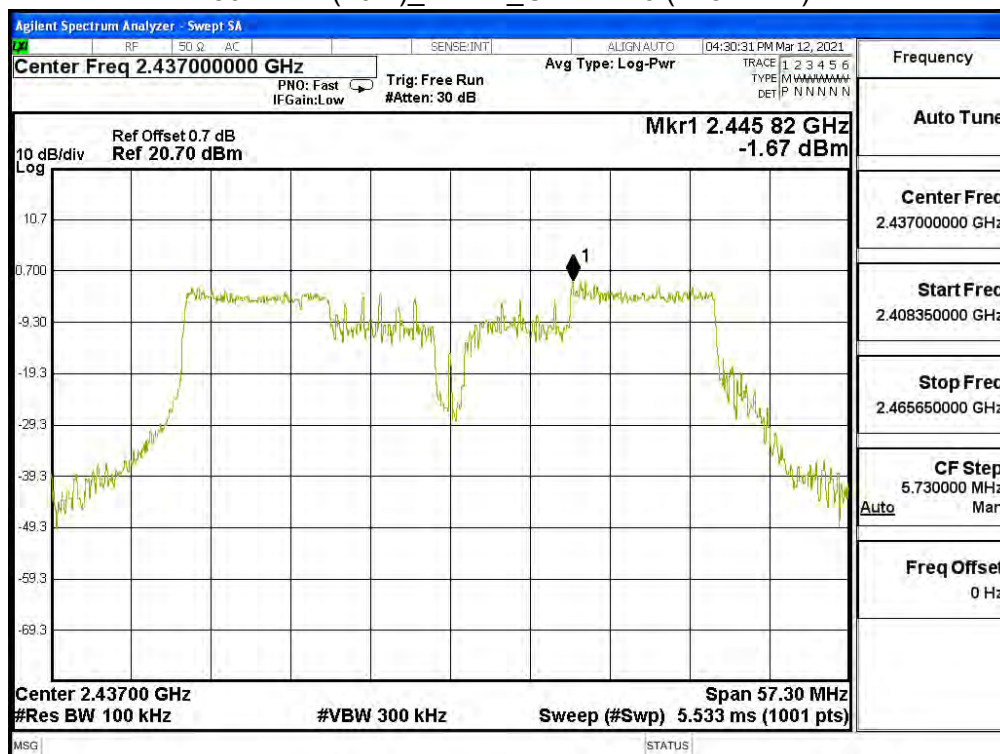
802.11ax(40M)_ANT 0_Channel 9 (2452MHz)



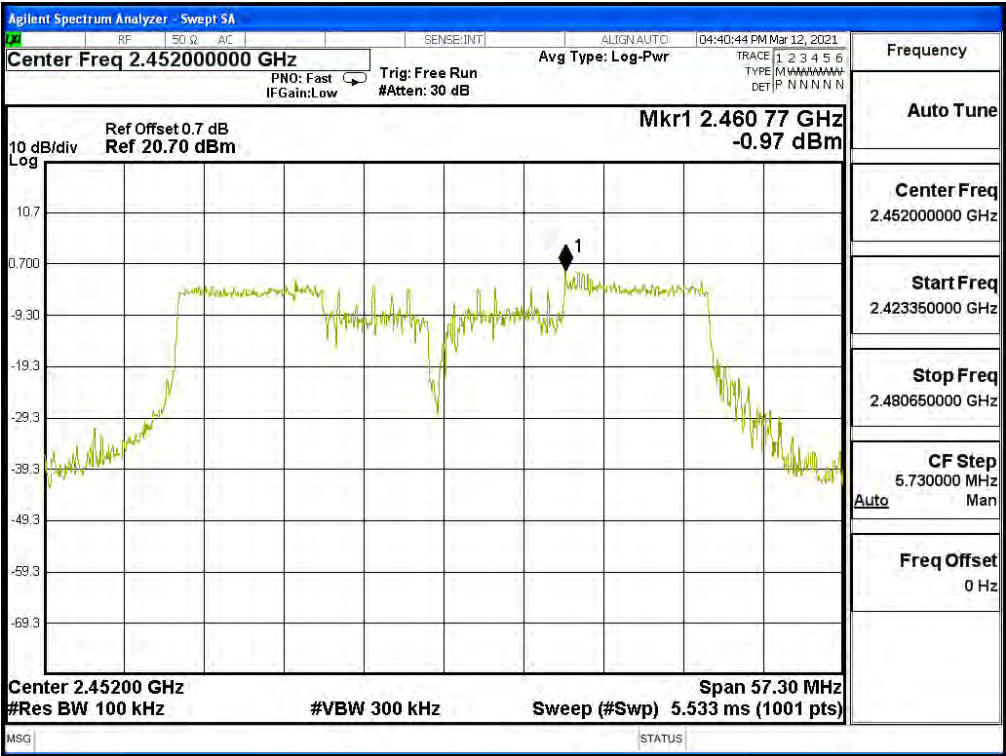
802.11ax(40M)_ANT 1_Channel 3 (2422MHz)_ANT 0



802.11ax(40M)_ANT 1_Channel 6 (2437MHz)



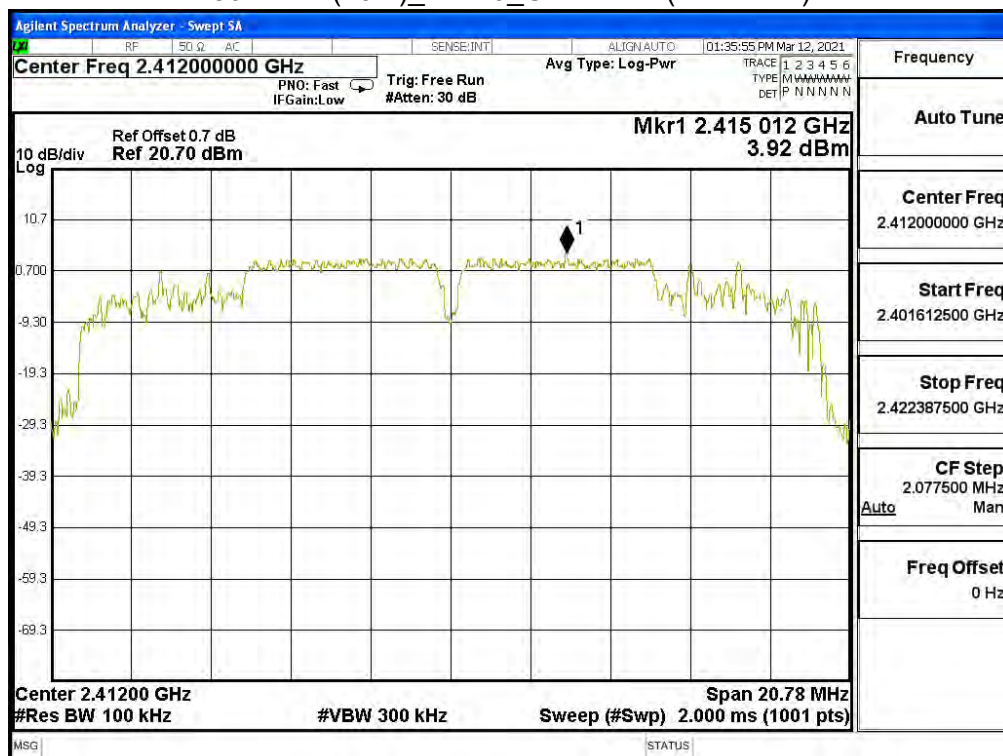
802.11ax(40M)_ANT 1_Channel 9 (2452MHz)



Product	2x2 11ax WIFI AP		
Test Item	Power Density		
Test Mode	Mode 5: Transmit RU BE UNMOD_PoE Mode		
Date of Test	2021/03/12~2021/03/18	Test Site	SR12-H
Temperature (°C)	23.0	Humidity (%RH)	65.0

Channel	Frequency	Data Rate	Ant.	PPSD/MHz	10*log(2)	Total PPSD/MHz	Limit	Result
	(MHz)	(Mbps)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	
802.11ax(20M)								
1	2412	MCS0	0	3.92	3.01	6.93	8	Pass
			1	4.12	3.01	7.13		Pass
6	2437	MCS0	0	3.40	3.01	6.41	8	Pass
			1	3.57	3.01	6.58		Pass
11	2462	MCS0	0	0.98	3.01	3.99	8	Pass
			1	1.70	3.01	4.71		Pass
802.11ax(40M)								
3	2422	MCS0	A	-2.61	3.01	0.40	8	Pass
			B	-2.08	3.01	0.93		Pass
6	2437	MCS0	A	-2.77	3.01	0.24	8	Pass
			B	-1.72	3.01	1.29		Pass
9	2452	MCS0	A	-1.91	3.01	1.10	8	Pass
			B	-1.59	3.01	1.42		Pass

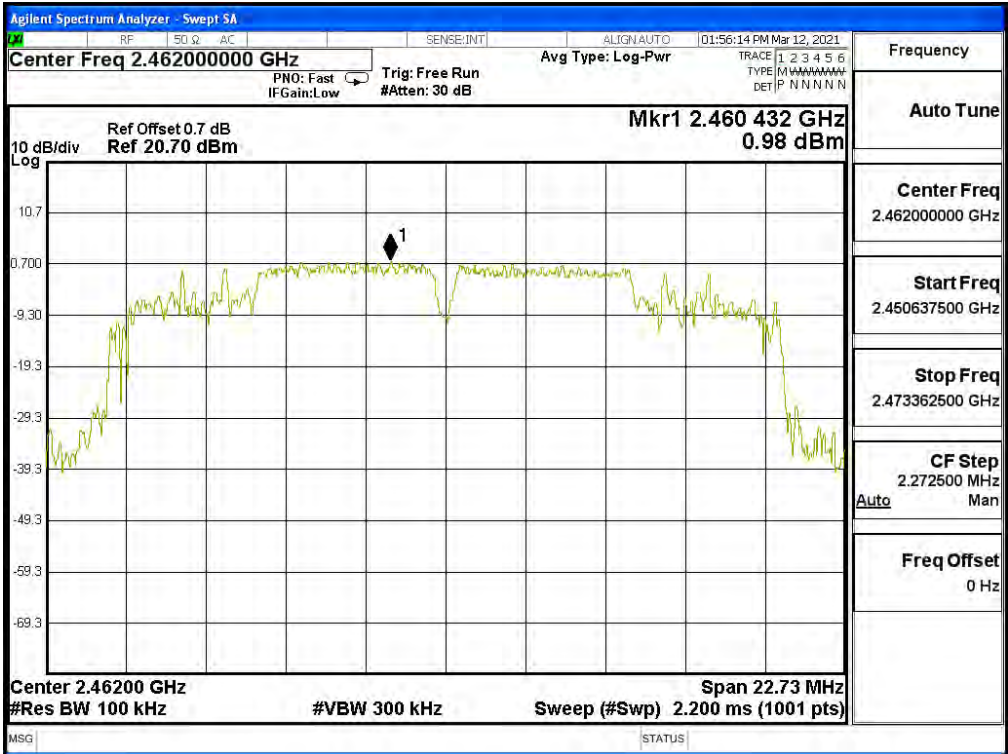
802.11ax(20M)_ANT 0_Channel 1 (2412MHz)



802.11ax(20M)_ANT 0_Channel 6 (2437MHz)



802.11ax(20M)_ANT 0_Channel 11 (2462MHz)



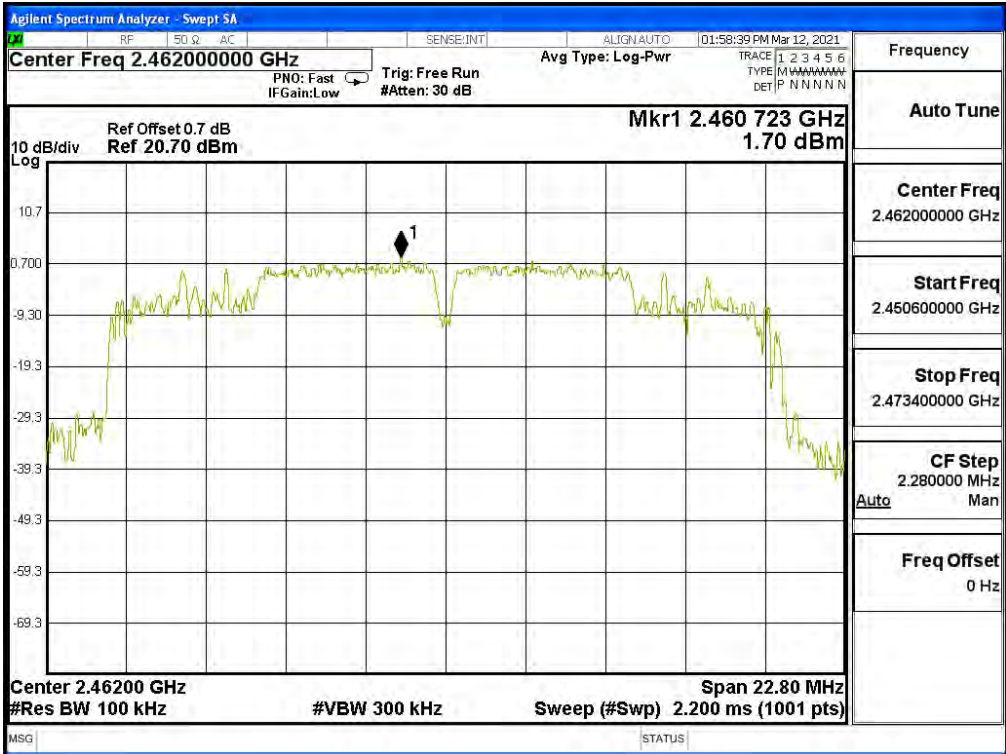
802.11ax(20M)_ANT1_Channel 1 (2412MHz)



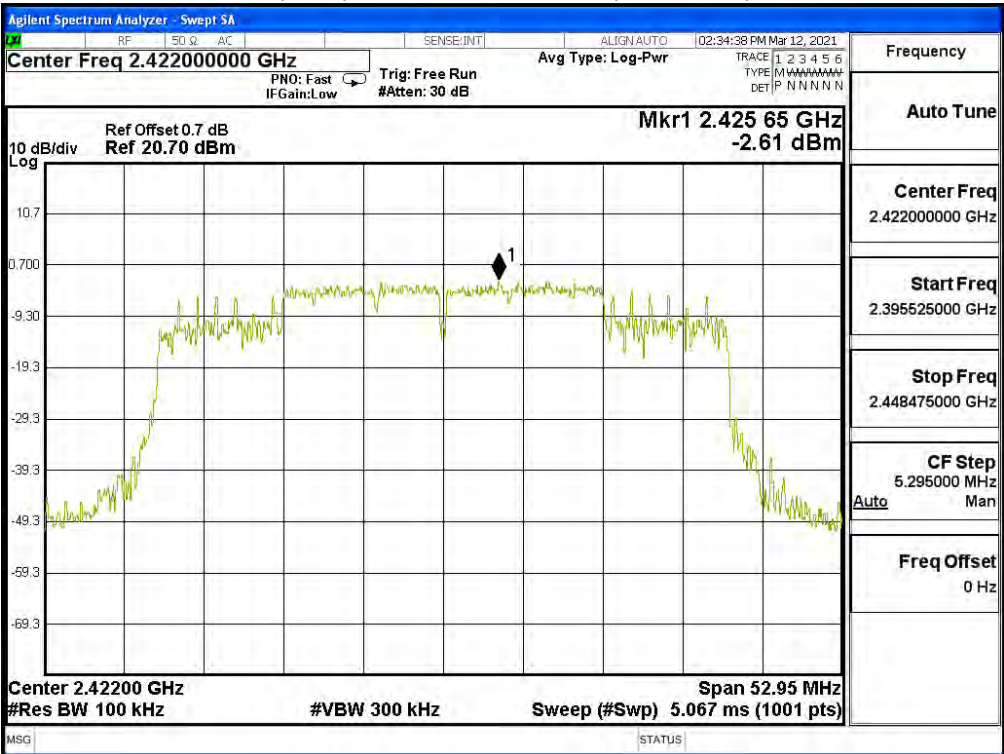
802.11ax(20M)_ANT 1_Channel 6 (2437MHz)



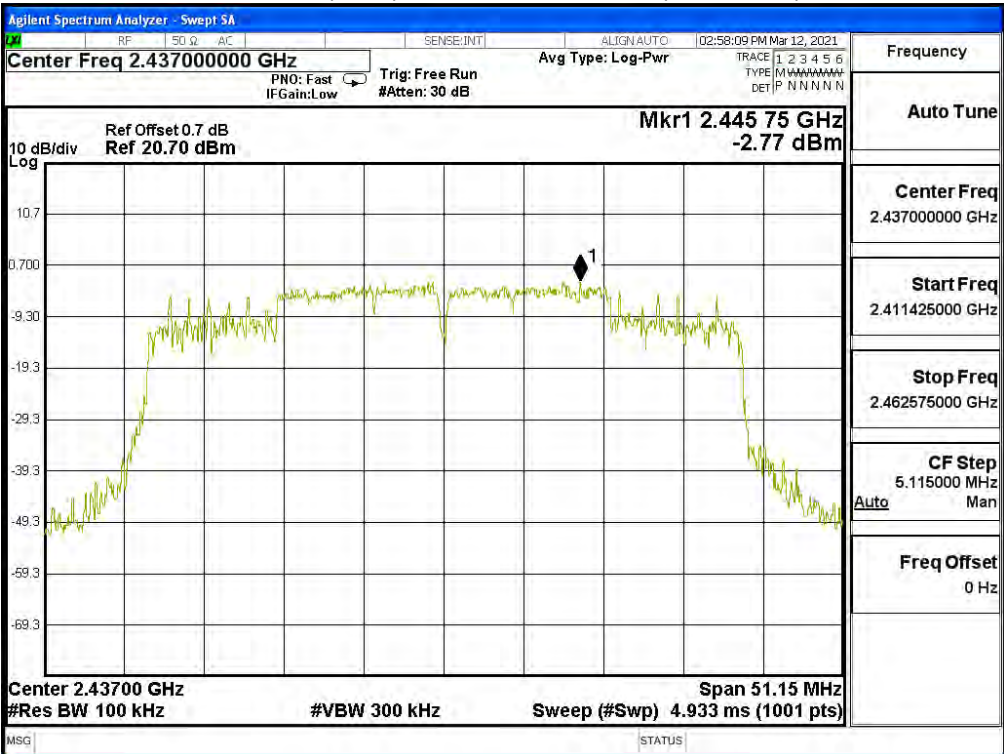
802.11ax(20M)_ANT 1_Channel 11 (2462MHz)



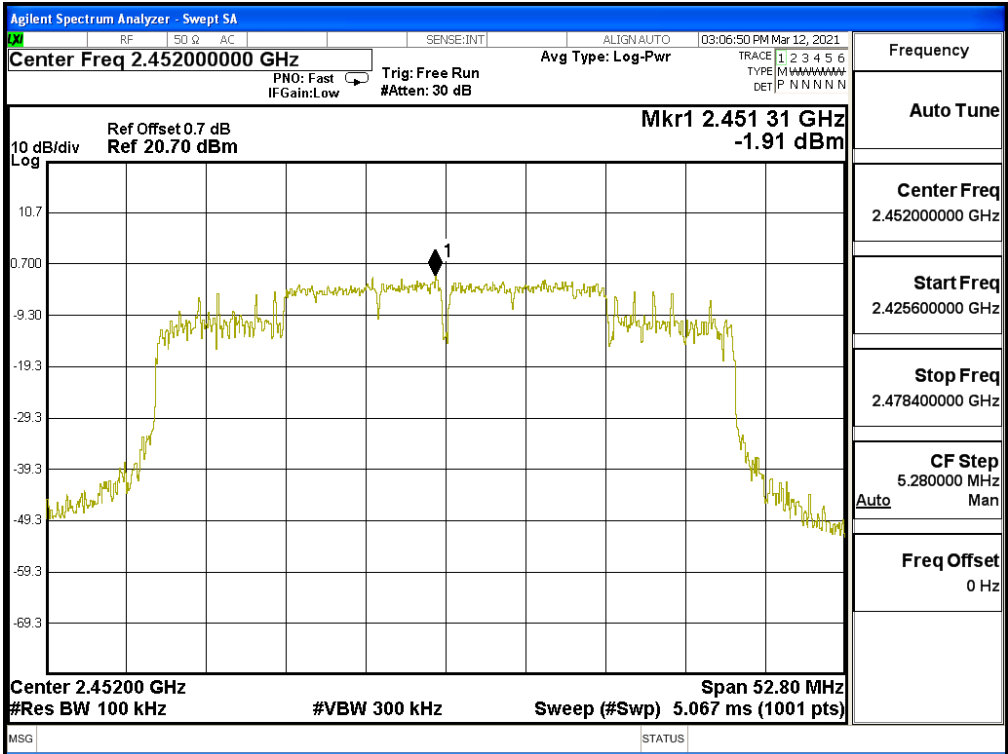
802.11ax(40M)_ANT 0_Channel 3 (2422MHz)_ANT 0



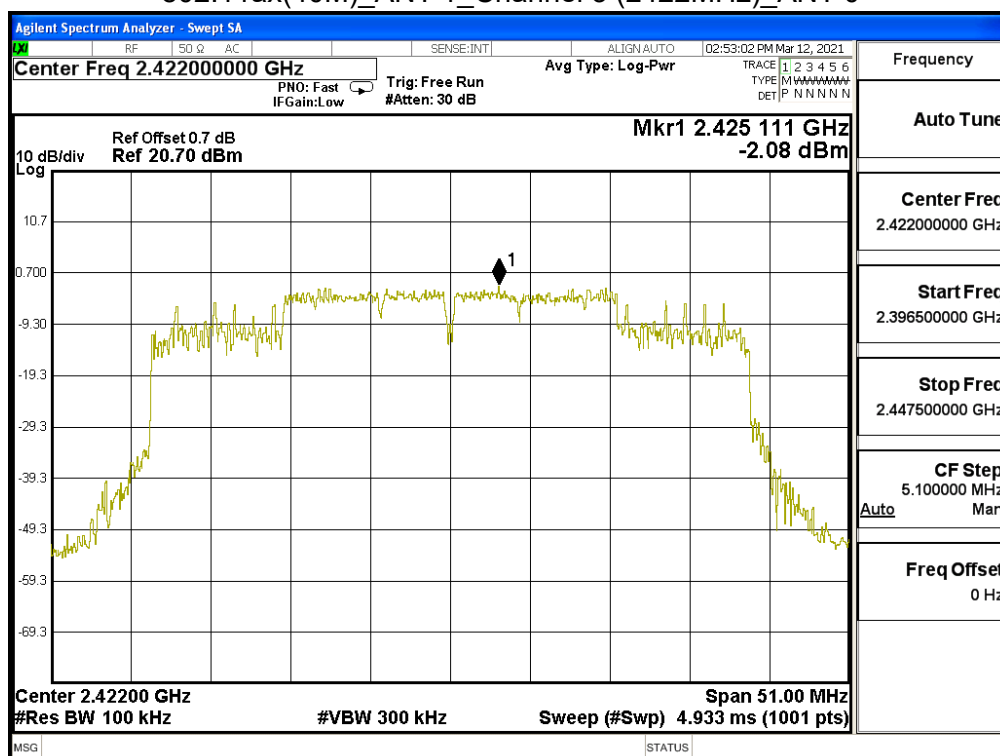
802.11ax(40M)_ANT 0_Channel 6 (2437MHz)



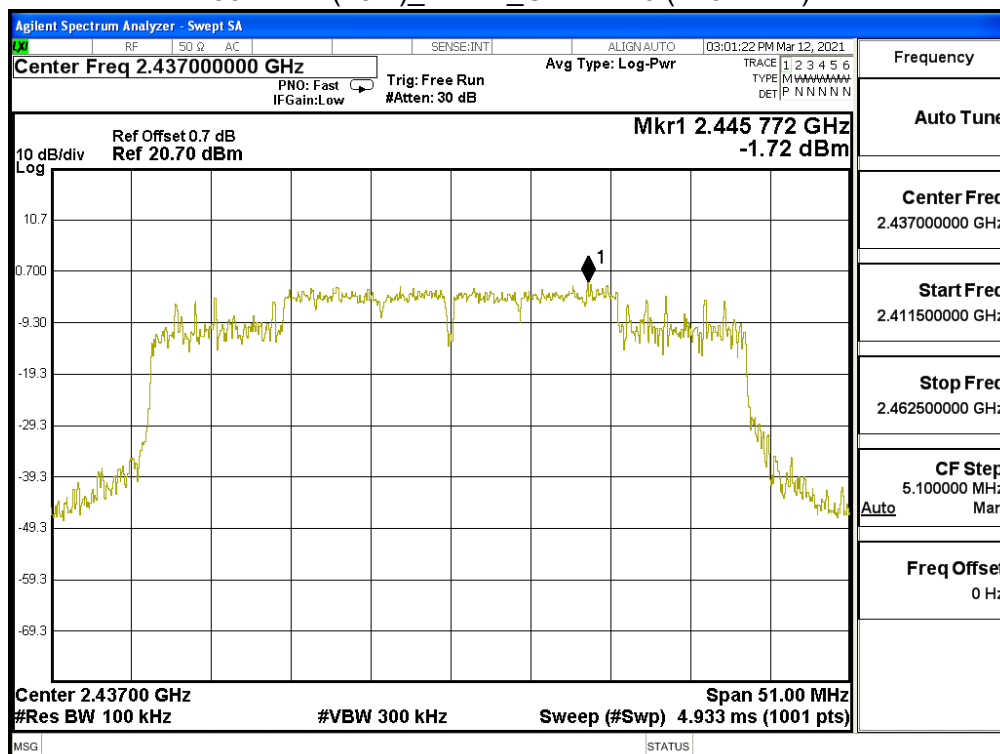
802.11ax(40M)_ANT 0_Channel 9 (2452MHz)



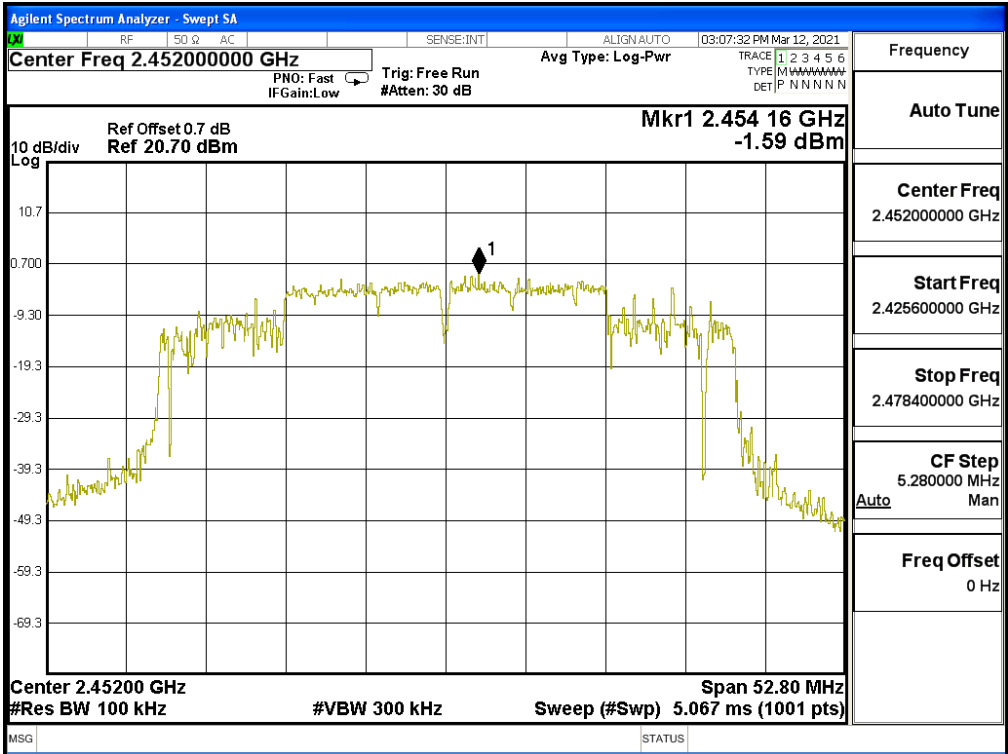
802.11ax(40M)_ANT 1_Channel 3 (2422MHz)_ANT 0



802.11ax(40M)_ANT 1_Channel 6 (2437MHz)



802.11ax(40M)_ANT 1_Channel 9 (2452MHz)



Attachment 2

➤ Test Result of co-location