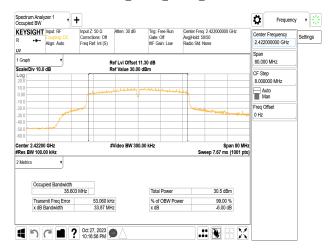
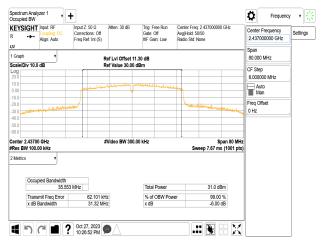


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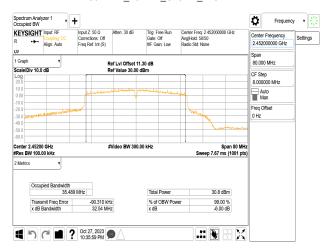
802.11n 40MHz Chain2 2422MHz



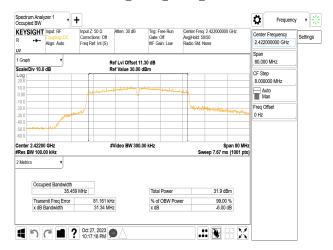
802.11n 40MHz Chain2 2437MHz



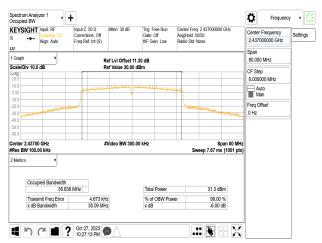
802.11n_40MHz_Chain2_2452MHz



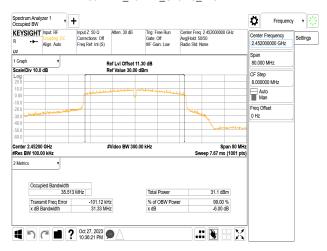
802.11n 40MHz Chain3 2422MHz



802.11n_40MHz_Chain3_2437MHz



802.11n_40MHz_Chain3_2452MHz



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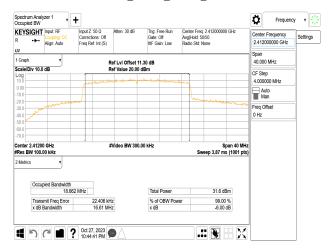
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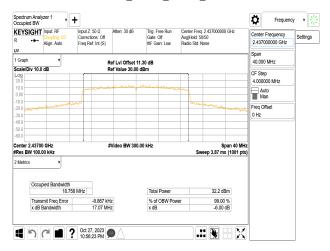


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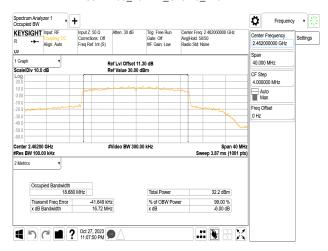
802.11be 20MHz Chain0 2412MHz



802.11be 20MHz Chain0 2437MHz



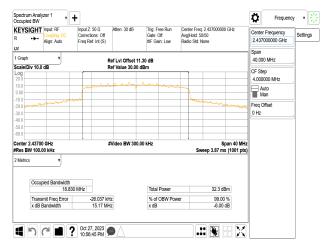
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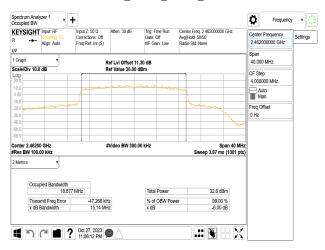
802.11be 20MHz Chain1 2412MHz



802.11be_20MHz_Chain1_2437MHz



802.11be_20MHz_Chain1_2462MHz



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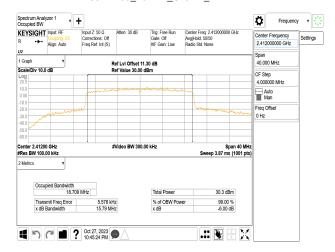
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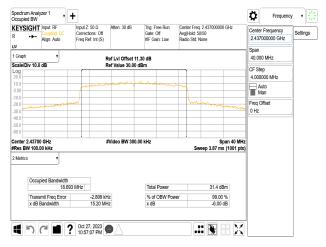


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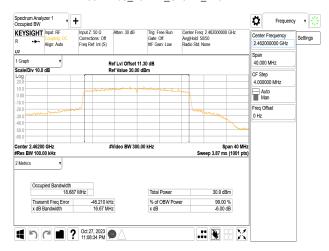
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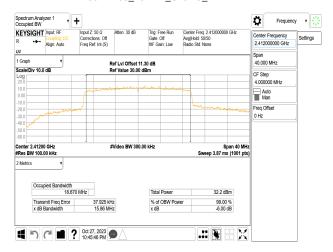
802.11be 20MHz Chain2 2437MHz



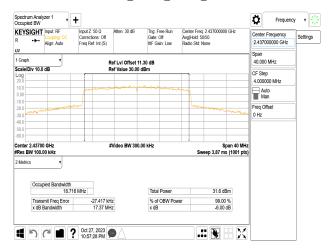
802.11be_20MHz_Chain2_2462MHz



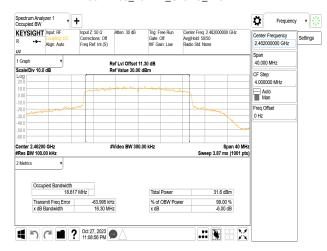
802.11be 20MHz Chain3 2412MHz



802.11be 20MHz Chain3 2437MHz



802.11be_20MHz_Chain3_2462MHz



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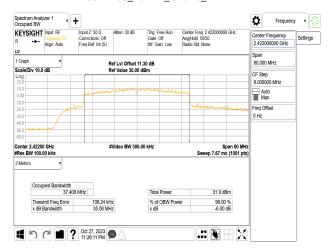
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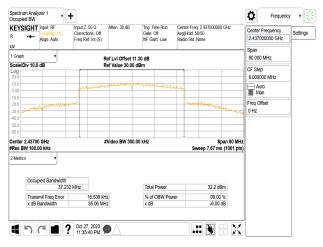


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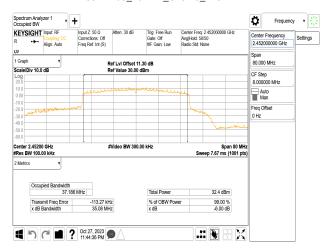
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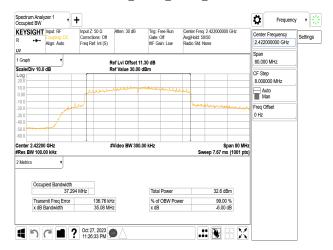
802.11be 40MHz Chain0 2437MHz



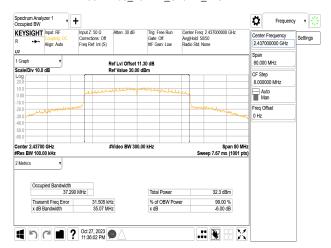
802.11be 40MHz Chain0 2452MHz



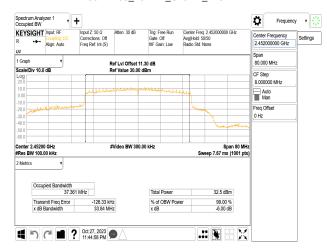
802.11be 40MHz Chain1 2422MHz



802.11be 40MHz Chain1 2437MHz



802.11be_40MHz_Chain1_2452MHz



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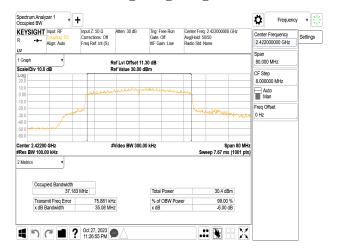
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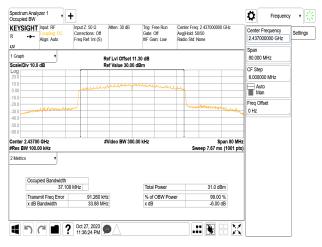


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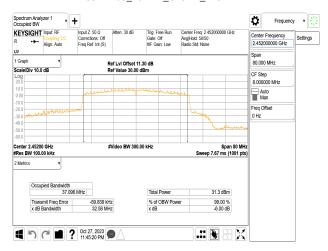
802.11be 40MHz Chain2 2422MHz



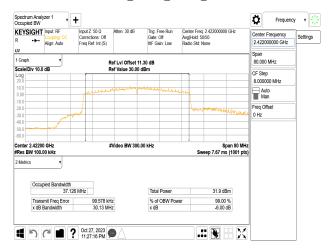
802.11be 40MHz Chain2 2437MHz



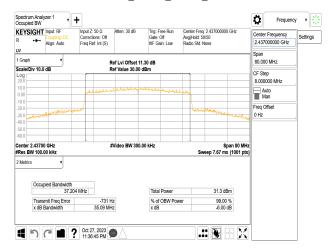
802.11be 40MHz Chain2 2452MHz



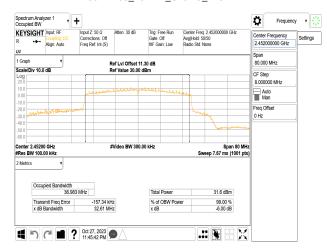
802.11be 40MHz Chain3 2422MHz



802.11be 40MHz Chain3 2437MHz



802.11be_40MHz_Chain3_2452MHz



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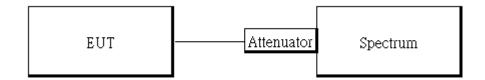
10 CONDUCTED BAND EDGES AND SPURIOUS EMISSION MEASUREMENT

10.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below for that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits or If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

10.2 Test Setup



10.3 Measurement Procedure

10.3.1 Reference Level of Emission Limit:

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
- 3. Set the span to 1.5 times the DTS channel bandwidth.
- 4. Set the RBW = 100kHz & VBW = 300 kHz.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. MIMO mode: offset is set following "measure and add 10 Log (N)" on spectrum to measure for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

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10.3.2 Conducted Band Edge:

- 1. To connect Antenna Port of EUT to Spectrum.
- The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set start to edge frequency, and stop frequency of spectrum analyzer so as to encompass the spectrum to be examined.
- 5. Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz, Detector = Peak, Sweep = auto
- 6. Mark the highest reading of the emission as the reference level measurement.
- 7. Set DL as the limit = reading on marker of reference level measurement 30dBm
- 8. Mark the highest readings of the emissions outside of 2400MHz~2483.5MHz.
- 9. Repeat above procedures until all default test channel (low, middle, and high) was complete.
- 10. MIMO mode: offset is set following "measure and add 10 Log (N)" on spectrum to measure for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

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Conducted Spurious Emission:

- 1. To connect Antenna Port of EUT to Spectrum
- 2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- Set RBW = 100 kHz & VBW= 300 kHz, Detector = Peak, Sweep = Auto.
- 4. Allow trace to fully stabilize.
- 5. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
- 6. Repeat above procedures until all default test channel measured were complete.
- 7. MIMO mode: offset is set following "measure and add 10 Log (N)" on spectrum to measure for MIMO mode. Offset = cable loss + $10 \log (N)$, where N is number of transmitting antenna.

Note:

For test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

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Measurement Result

Mode: CDD

802.11b Ch0

802.11b Ch1

Reference Level of Limit			Reference Level of Limit		
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	15.80	-14.20	2412	17.01	-12.99
2437	16.74	-13.26	2437	17.01	-12.99
2462	15.77	-14.23	2462	16.72	-13.28

802.11b Ch2

802.11b Ch3

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	14.76	-15.24	2412	16.51	-13.49
2437	15.69	-14.31	2437	15.66	-14.34
2462	15.04	-14.96	2462	15.71	-14.29

802.11g Ch0

802.11g Ch1

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	13.54	-16.46	2412	14.74	-15.26
2437	13.72	-16.28	2437	14.40	-15.60
2462	13.49	-16.51	2462	14.54	-15.46

802.11g Ch2

802.11g Ch3

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	12.10	-17.90	2412	14.47	-15.53
2437	12.30	-17.70	2437	13.09	-16.91
2462	12.24	-17.76	2462	13.32	-16.68

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802.11n HT 20M Ch0

802.11n_HT_20M Ch1

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	14.56	-15.44	2412	15.06	-14.94
2437	14.77	-15.23	2437	14.19	-15.81
2462	13.54	-16.46	2462	14.21	-15.79

802.11n HT 20M Ch2

802.11n HT 20M Ch3

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	12.91	-17.09	2412	14.61	-15.39
2437	13.34	-16.66	2437	13.45	-16.55
2462	12.84	-17.16	2462	13.91	-16.09

802.11n_HT_40M Ch0

802.11n_HT_40M Ch1

Reference Level of Limit				Reference	e Level of Limit
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2422	11.78	-18.22	2422	12.9	-17.10
2437	11.53	-18.47	2437	12.49	-17.51
2452	11.53	-18.47	2452	12.04	-17.96

802.11n_HT_40M Ch2

802.11n_HT_40M Ch3

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2422	10.32	-19.68	2422	12.05	-17.95
2437	11.34	-18.66	2437	10.80	-19.20
2452	10.53	-19.47	2452	11.14	-18.86

802.11be_EHT_20M Ch0

802.11be_EHT_20M Ch1

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	12.77	-17.23	2412	14.76	-15.24
2437	13.99	-16.01	2437	14.88	-15.12
2462	14.54	-15.46	2462	14.94	-15.06

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802.11be EHT 20M Ch2

802.11be_EHT_20M Ch3

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2412	12.30	-17.70	2412	13.70	-16.30
2437	13.78	-16.22	2437	13.42	-16.58
2462	13.05	-16.95	2462	13.70	-16.30

802.11be EHT 40M Ch0

802.11be EHT 40M Ch1

Reference Level of Limit		Reference Level of Limit			
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2422	11	-19.00	2422	12.37	-17.63
2437	11.25	-18.75	2437	11.80	-18.20
2452	11.81	-18.19	2452	11.71	-18.29

802.11be_EHT_40M Ch2

802.11be_EHT_40M Ch3

Reference Level of Limit			Reference Level of Limit		
Freq.	PSD	Reference Level of Limit	Freq.	PSD	Reference Level of Limit
(MHz)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
2422	9.56	-20.44	2422	11.83	-18.17
2437	10.30	-19.70	2437	10.96	-19.04
2452	10.92	-19.08	2452	11.37	-18.63

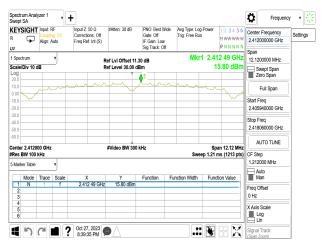
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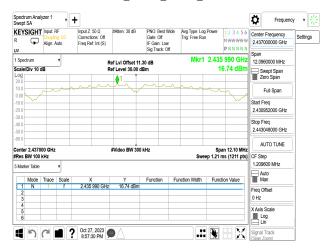


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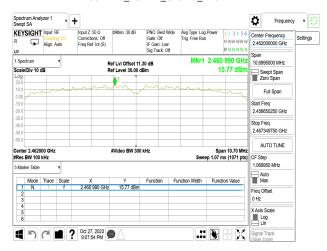
CDD_802.11b_20MHz_Chain0_2412MHz



802.11b 20MHz Chain0 2437MHz



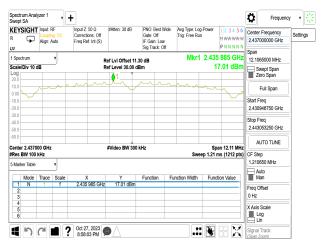
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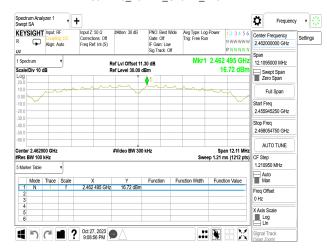
802.11b 20MHz Chain1 2412MHz



802.11b_20MHz_Chain1_2437MHz



802.11b_20MHz_Chain1_2462MHz



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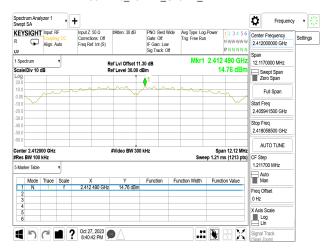
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802.11b 20MHz Chain2 2412MHz



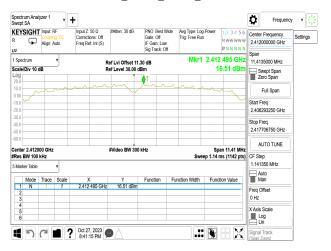
802.11b 20MHz Chain2 2437MHz



802.11b_20MHz_Chain2_2462MHz



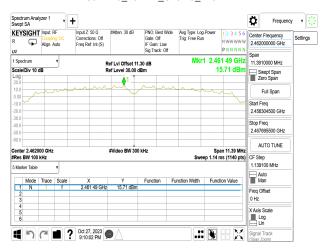
802.11b 20MHz Chain3 2412MHz



802.11b_20MHz_Chain3_2437MHz



802.11b_20MHz_Chain3_2462MHz



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802.11g_20MHz_Chain0_2412MHz



802.11g 20MHz Chain0 2437MHz



802.11g_20MHz_Chain0_2462MHz



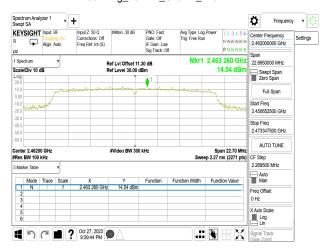
802.11g_20MHz_Chain1_2412MHz



802.11g_20MHz_Chain1_2437MHz



802.11g_20MHz_Chain1_2462MHz



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802.11g_20MHz_Chain2_2412MHz



802.11g 20MHz Chain2 2437MHz



802.11g_20MHz_Chain2_2462MHz



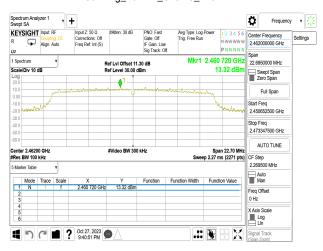
802.11g_20MHz_Chain3_2412MHz



802.11g_20MHz_Chain3_2437MHz



802.11g_20MHz_Chain3_2462MHz



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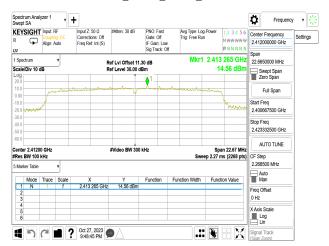
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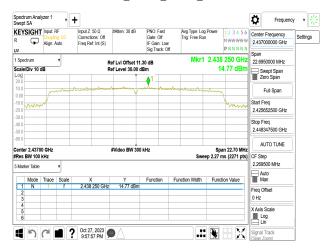


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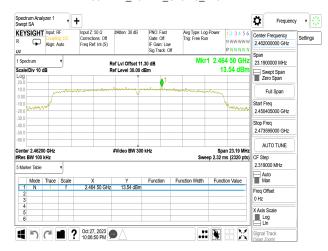
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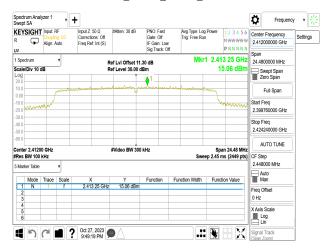
802.11n 20MHz Chain0 2437MHz



802.11n_20MHz_Chain0_2462MHz



802.11n 20MHz Chain1 2412MHz



802.11n_20MHz_Chain1_2437MHz



802.11n_20MHz_Chain1_2462MHz



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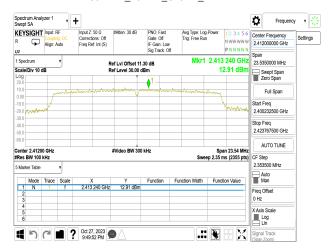
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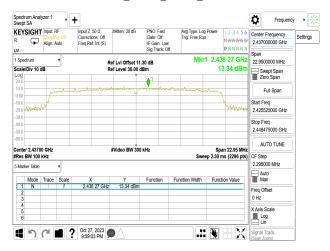


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802.11n 20MHz Chain2 2412MHz



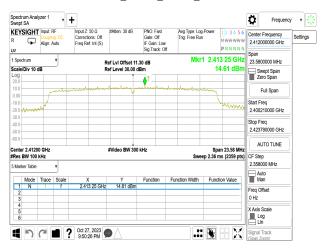
802.11n 20MHz Chain2 2437MHz



802.11n_20MHz_Chain2_2462MHz



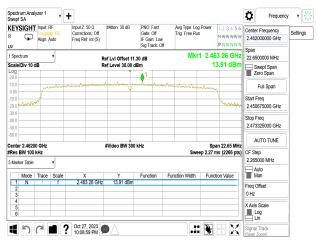
802.11n 20MHz Chain3 2412MHz



802.11n_20MHz_Chain3_2437MHz



 $802.11n_20MHz_Chain3_2462MHz$



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