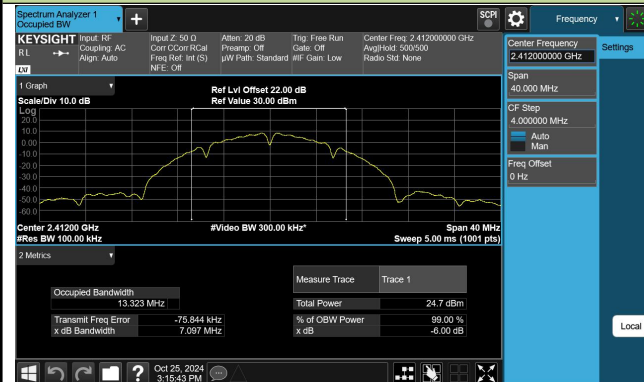
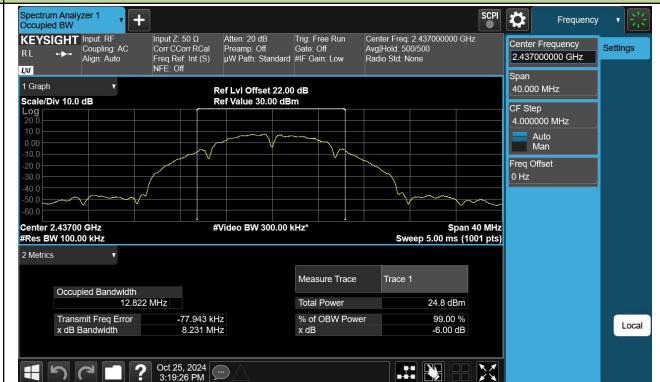


802.11b 6dB Bandwidth – Ant 1

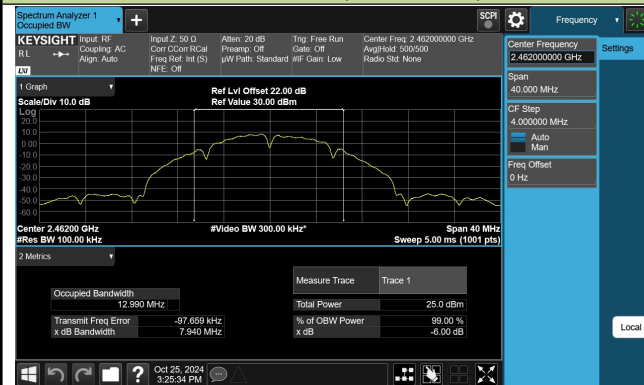
Channel 01 (2412MHz)



Channel 06 (2437MHz)

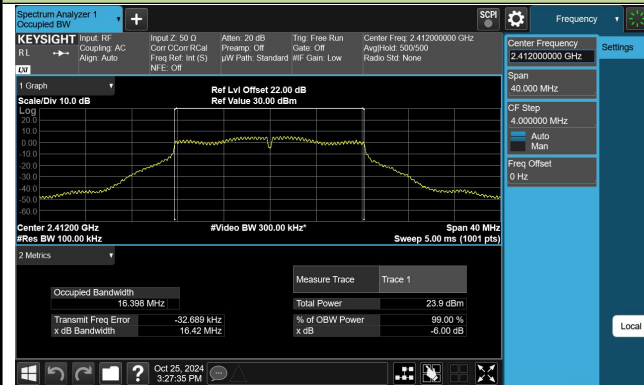


Channel 11 (2462MHz)

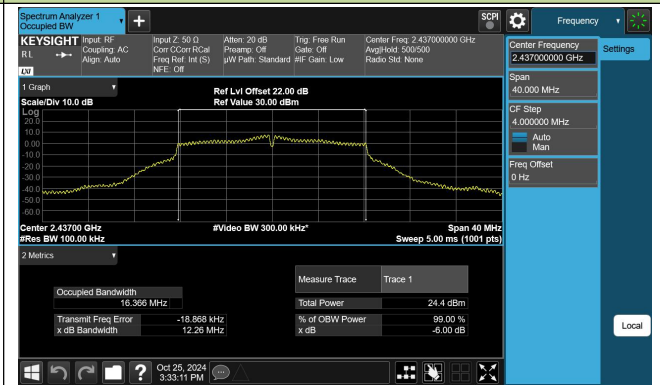


802.11g 6dB Bandwidth – Ant 1

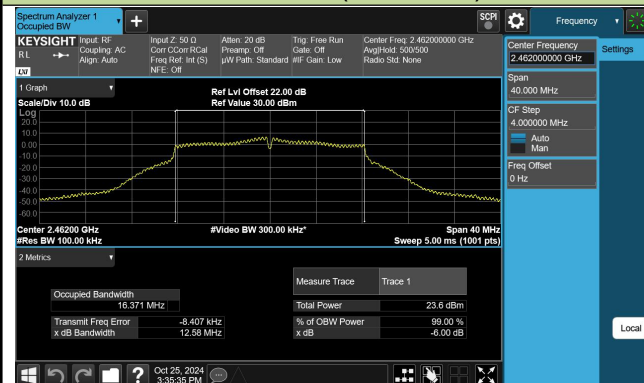
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

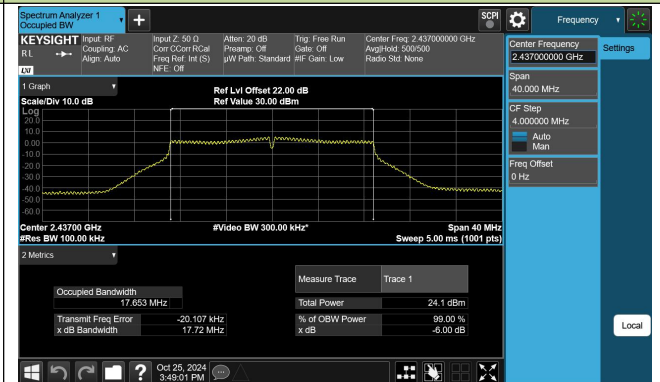


802.11n-HT20 6dB Bandwidth – Ant 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT40 6dB Bandwidth – Ant 1

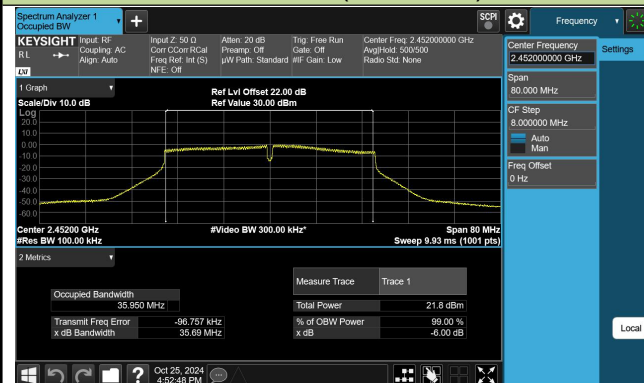
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

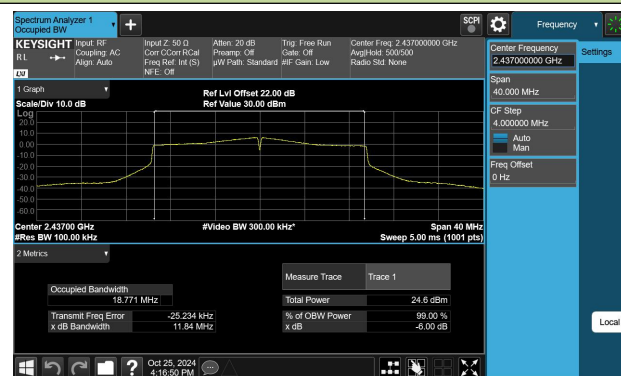


802.11ax-HE20 6dB Bandwidth – Ant 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ax-HE40 6dB Bandwidth – Ant 1

Channel 03 (2422MHz)



Channel 06 (2437MHz)

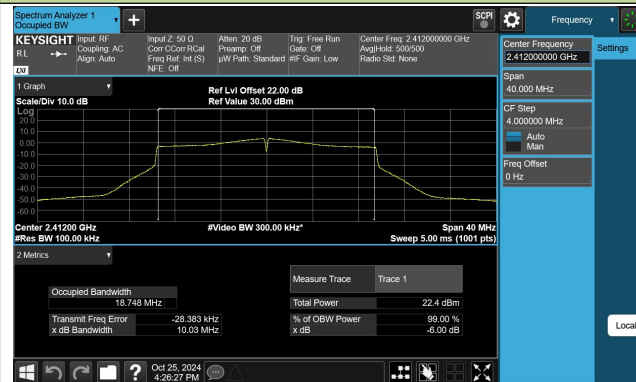


Channel 09 (2452MHz)



802.11be-EHT20 6dB Bandwidth - Ant 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

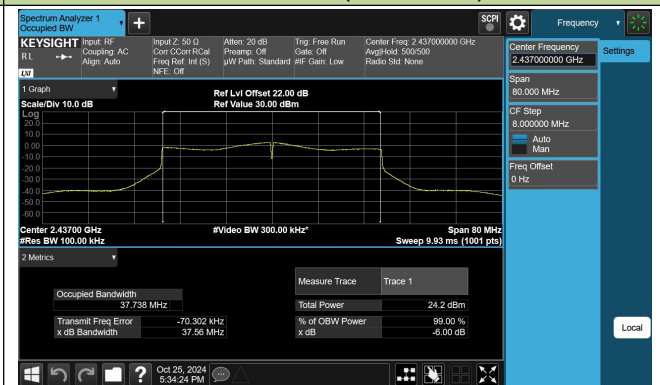


802.11be-EHT40 6dB Bandwidth - Ant 1

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



7.3. Output Power Measurement

7.3.1. Test Limit

The maximum output power shall be less 1 Watt (30dBm).

The conducted output power limit specified in paragraph FCC Part 15.247(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs FCC Part 15.247(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.3.2. Test Procedure Used

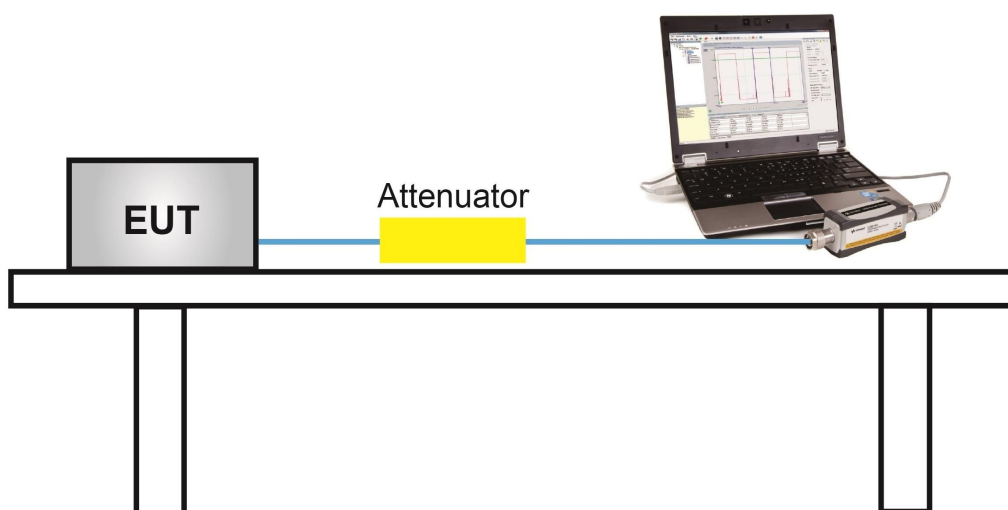
ANSI C63.10 - 2013 Section 11.9.2.3.2

7.3.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

7.3.4. Test Setup



7.3.5. Test Result

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Temperature	25°C
Test Engineer	Wen	Relative Humidity	54%
Test Site	SR6	Test Date	2024/10/25

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
Horizontal Antenna - CDD Mode								
802.11b	1Mbps	01	2412	21.81	22.82	25.35	≤ 30.00	Pass
802.11b	1Mbps	06	2437	21.78	22.43	25.13	≤ 30.00	Pass
802.11b	1Mbps	11	2462	22.11	22.88	25.52	≤ 30.00	Pass
802.11g	6Mbps	01	2412	23.62	24.60	27.15	≤ 30.00	Pass
802.11g	6Mbps	06	2437	23.88	24.69	27.31	≤ 30.00	Pass
802.11g	6Mbps	11	2462	23.73	24.64	27.22	≤ 30.00	Pass
802.11n-HT20	MCS0	01	2412	23.90	24.22	27.07	≤ 30.00	Pass
802.11n-HT20	MCS0	06	2437	23.60	24.97	27.35	≤ 30.00	Pass
802.11n-HT20	MCS0	11	2462	23.30	24.91	27.19	≤ 30.00	Pass
802.11n-HT40	MCS0	03	2422	21.06	22.41	24.80	≤ 30.00	Pass
802.11n-HT40	MCS0	06	2437	23.70	24.98	27.40	≤ 30.00	Pass
802.11n-HT40	MCS0	08	2447	23.68	24.82	27.30	≤ 30.00	Pass
802.11n-HT40	MCS0	09	2452	20.62	21.22	23.94	≤ 30.00	Pass
802.11ax-HE20	MCS0	01	2412	23.68	24.94	27.37	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	24.09	24.43	27.27	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	23.06	24.44	26.81	≤ 30.00	Pass
802.11ax-HE40	MCS0	03	2422	21.47	22.07	24.79	≤ 30.00	Pass
802.11ax-HE40	MCS0	06	2437	23.56	24.98	27.34	≤ 30.00	Pass
802.11ax-HE40	MCS0	08	2447	22.22	22.31	25.28	≤ 30.00	Pass
802.11ax-HE40	MCS0	09	2452	20.61	21.96	24.35	≤ 30.00	Pass
802.11be-EHT20	MCS0	01	2412	23.28	24.94	27.20	≤ 30.00	Pass
802.11be-EHT20	MCS0	06	2437	23.94	24.44	27.21	≤ 30.00	Pass
802.11be-EHT20	MCS0	11	2462	23.58	24.08	26.85	≤ 30.00	Pass
802.11be-EHT40	MCS0	03	2422	20.99	22.38	24.75	≤ 30.00	Pass
802.11be-EHT40	MCS0	06	2437	23.68	24.49	27.11	≤ 30.00	Pass
802.11be-EHT40	MCS0	09	2452	21.38	22.10	24.77	≤ 30.00	Pass

Note: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Temperature	25°C
Test Engineer	Wen	Relative Humidity	54%
Test Site	SR6	Test Date	2024/10/25

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
Horizontal Antenna - Beamforming Mode								
802.11ax-HE20	MCS0	01	2412	23.68	24.94	27.37	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	24.09	24.43	27.27	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	23.06	24.44	26.81	≤ 30.00	Pass
802.11ax-HE40	MCS0	03	2422	21.47	22.07	24.79	≤ 30.00	Pass
802.11ax-HE40	MCS0	06	2437	23.56	24.98	27.34	≤ 30.00	Pass
802.11ax-HE40	MCS0	08	2447	22.22	22.31	25.28	≤ 30.00	Pass
802.11ax-HE40	MCS0	09	2452	20.61	21.96	24.35	≤ 30.00	Pass
802.11be-EHT20	MCS0	01	2412	23.28	24.94	27.20	≤ 30.00	Pass
802.11be-EHT20	MCS0	06	2437	23.94	24.44	27.21	≤ 30.00	Pass
802.11be-EHT20	MCS0	11	2462	23.58	24.08	26.85	≤ 30.00	Pass
802.11be-EHT40	MCS0	03	2422	20.99	22.38	24.75	≤ 30.00	Pass
802.11be-EHT40	MCS0	06	2437	23.68	24.49	27.11	≤ 30.00	Pass
802.11be-EHT40	MCS0	09	2452	21.38	22.10	24.77	≤ 30.00	Pass

Note: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Temperature	25°C
Test Engineer	Wen	Relative Humidity	54%
Test Site	SR6	Test Date	2024/10/25

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
Vertical Antenna - CDD Mode								
802.11b	1Mbps	01	2412	23.89	24.71	27.33	≤ 30.00	Pass
802.11b	1Mbps	06	2437	24.11	24.77	27.46	≤ 30.00	Pass
802.11b	1Mbps	11	2462	24.03	24.68	27.38	≤ 30.00	Pass
802.11g	6Mbps	01	2412	23.57	24.53	27.09	≤ 30.00	Pass
802.11g	6Mbps	06	2437	23.72	24.45	27.11	≤ 30.00	Pass
802.11g	6Mbps	11	2462	23.20	23.85	26.55	≤ 30.00	Pass
802.11n-HT20	MCS0	01	2412	23.04	23.38	26.22	≤ 30.00	Pass
802.11n-HT20	MCS0	06	2437	24.24	25.21	27.76	≤ 30.00	Pass
802.11n-HT20	MCS0	11	2462	22.35	22.77	25.58	≤ 30.00	Pass
802.11n-HT40	MCS0	03	2422	22.19	23.19	25.73	≤ 30.00	Pass
802.11n-HT40	MCS0	06	2437	23.80	24.58	27.22	≤ 30.00	Pass
802.11n-HT40	MCS0	09	2452	22.00	22.45	25.24	≤ 30.00	Pass
802.11ax-HE20	MCS0	01	2412	21.30	22.76	25.10	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	23.39	24.74	27.13	≤ 30.00	Pass
802.11ax-HE20	MCS0	10	2457	24.77	25.38	28.10	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	20.73	21.70	24.25	≤ 30.00	Pass
802.11ax-HE40	MCS0	03	2422	18.45	19.62	22.08	≤ 30.00	Pass
802.11ax-HE40	MCS0	04	2427	21.06	21.56	24.33	≤ 30.00	Pass
802.11ax-HE40	MCS0	06	2437	24.10	24.12	27.12	≤ 30.00	Pass
802.11ax-HE40	MCS0	09	2452	22.29	23.04	25.69	≤ 30.00	Pass
802.11be-EHT20	MCS0	01	2412	21.95	22.12	25.05	≤ 30.00	Pass
802.11be-EHT20	MCS0	06	2437	24.28	24.60	27.45	≤ 30.00	Pass
802.11be-EHT20	MCS0	10	2457	24.98	24.99	28.00	≤ 30.00	Pass
802.11be-EHT20	MCS0	11	2462	20.05	20.37	23.22	≤ 30.00	Pass
802.11be-EHT40	MCS0	03	2422	20.19	21.07	23.66	≤ 30.00	Pass
802.11be-EHT40	MCS0	04	2427	20.89	21.88	24.42	≤ 30.00	Pass
802.11be-EHT40	MCS0	06	2437	23.94	24.10	27.03	≤ 30.00	Pass
802.11be-EHT40	MCS0	08	2447	22.70	22.52	25.62	≤ 30.00	Pass
802.11be-EHT40	MCS0	09	2452	20.42	20.80	23.62	≤ 30.00	Pass

Note: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$

Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Temperature	25°C
Test Engineer	Wen	Relative Humidity	54%
Test Site	SR6	Test Date	2024/10/25

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
Vertical Antenna - Beamforming Mode								
802.11ax-HE20	MCS0	01	2412	21.30	22.76	25.10	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	23.39	24.74	27.13	≤ 30.00	Pass
802.11ax-HE20	MCS0	10	2457	24.77	25.38	28.10	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	20.73	21.70	24.25	≤ 30.00	Pass
802.11ax-HE40	MCS0	03	2422	18.45	19.62	22.08	≤ 30.00	Pass
802.11ax-HE40	MCS0	04	2427	21.06	21.56	24.33	≤ 30.00	Pass
802.11ax-HE40	MCS0	06	2437	24.10	24.12	27.12	≤ 30.00	Pass
802.11ax-HE40	MCS0	09	2452	22.29	23.04	25.69	≤ 30.00	Pass
802.11be-EHT20	MCS0	01	2412	21.95	22.12	25.05	≤ 30.00	Pass
802.11be-EHT20	MCS0	06	2437	24.28	24.60	27.45	≤ 30.00	Pass
802.11be-EHT20	MCS0	10	2457	24.98	24.99	28.00	≤ 30.00	Pass
802.11be-EHT20	MCS0	11	2462	20.05	20.37	23.22	≤ 30.00	Pass
802.11be-EHT40	MCS0	03	2422	20.19	21.07	23.66	≤ 30.00	Pass
802.11be-EHT40	MCS0	04	2427	20.89	21.88	24.42	≤ 30.00	Pass
802.11be-EHT40	MCS0	06	2437	23.94	24.10	27.03	≤ 30.00	Pass
802.11be-EHT40	MCS0	08	2447	22.70	22.52	25.62	≤ 30.00	Pass
802.11be-EHT40	MCS0	09	2452	20.42	20.80	23.62	≤ 30.00	Pass

Note: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$

7.4. Power Spectral Density Measurement

7.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

The same method of determining the conducted output power shall be used to determine the power spectral density.

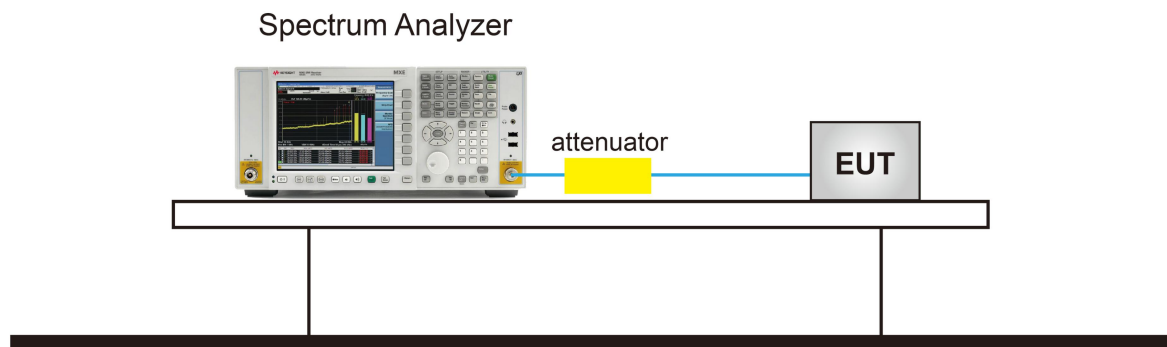
7.4.2. Test Procedure Used

ANSI C63.10 - 2013 Section 11.10.5

7.4.3. Test Setting

1. Measure the duty cycle (x) of the transmitter output signal.
2. Set instrument center frequency to DTS channel center frequency.
3. Set span to at least 1.5 times the OBW.
4. RBW = 10 kHz.
5. VBW = 30 kHz.
6. Detector = RMS.
7. Ensure that the number of measurement points in the sweep $\geq 2 \times \text{span/RBW}$.
8. Sweep time = auto couple.
9. Don't use sweep triggering. Allow sweep to "free run".
10. Employ trace averaging (RMS) mode over a minimum of 100 traces.
11. Use the peak marker function to determine the maximum amplitude level.
12. Add $10 \log (1/x)$, where x is the duty cycle measured in step (a), to the measured PSD to compute the average PSD during the actual transmission time.

7.4.4. Test Setup



7.4.5. Test Result

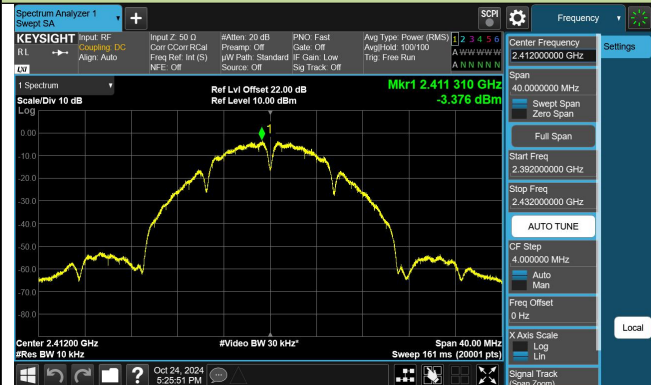
Product	BE11000 Indoor/Outdoor Wi-Fi 7 Access Point	Temperature	25°C
Test Engineer	Wen	Relative Humidity	54%
Test Site	SR6	Test Date	2024/10/24~2024/10/25

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0	Ant 1	Duty Cycle (%)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
Horizontal Antenna									
802.11b	1Mbps	01	2412	-3.376	-2.576	99.81%	0.061	≤ 8.00	Pass
802.11b	1Mbps	06	2437	-3.822	-2.512	99.81%	-0.099	≤ 8.00	Pass
802.11b	1Mbps	11	2462	-3.143	-2.163	99.81%	0.393	≤ 8.00	Pass
802.11g	6Mbps	01	2412	-2.485	-0.110	99.12%	1.912	≤ 8.00	Pass
802.11g	6Mbps	06	2437	-1.356	-1.061	99.12%	1.843	≤ 8.00	Pass
802.11g	6Mbps	11	2462	-1.225	-0.984	99.12%	1.946	≤ 8.00	Pass
802.11n-HT20	MCS0	01	2412	-4.662	-1.346	99.45%	0.339	≤ 8.00	Pass
802.11n-HT20	MCS0	06	2437	-4.158	-1.708	99.45%	0.272	≤ 8.00	Pass
802.11n-HT20	MCS0	11	2462	-3.221	-3.295	99.45%	-0.224	≤ 8.00	Pass
802.11n-HT40	MCS0	03	2422	-8.808	-9.021	99.36%	-5.875	≤ 8.00	Pass
802.11n-HT40	MCS0	06	2437	-6.604	-4.576	99.36%	-2.435	≤ 8.00	Pass
802.11n-HT40	MCS0	09	2452	-9.143	-9.902	99.36%	-6.468	≤ 8.00	Pass
802.11ax-HE20	MCS0	01	2412	-3.268	-4.852	99.36%	-0.950	≤ 8.00	Pass
802.11ax-HE20	MCS0	06	2437	-4.665	-2.385	99.36%	-0.339	≤ 8.00	Pass
802.11ax-HE20	MCS0	11	2462	-4.791	-4.754	99.36%	-1.734	≤ 8.00	Pass
802.11ax-HE40	MCS0	03	2422	-9.247	-10.187	99.45%	-6.657	≤ 8.00	Pass
802.11ax-HE40	MCS0	06	2437	-6.662	-7.101	99.45%	-3.842	≤ 8.00	Pass
802.11ax-HE40	MCS0	09	2452	-10.915	-8.950	99.45%	-6.788	≤ 8.00	Pass
802.11be-EHT20	MCS0	01	2412	-3.009	-3.900	98.76%	-0.367	≤ 8.00	Pass
802.11be-EHT20	MCS0	06	2437	-2.663	-3.876	98.76%	-0.163	≤ 8.00	Pass
802.11be-EHT20	MCS0	11	2462	-3.838	-3.551	98.76%	-0.628	≤ 8.00	Pass
802.11be-EHT40	MCS0	03	2422	-8.866	-9.519	99.63%	-6.154	≤ 8.00	Pass
802.11be-EHT40	MCS0	06	2437	-5.559	-6.462	99.63%	-2.961	≤ 8.00	Pass
802.11be-EHT40	MCS0	09	2452	-8.378	-8.843	99.63%	-5.578	≤ 8.00	Pass

Note: Total AVGPSPD = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSPD}/10)} + 10^{(\text{Ant 1 AVGPSPD}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})$.

802.11b AVGPSP – Ant 0 CDD Mode

Channel 01 (2412MHz)



Channel 06 (2437MHz)

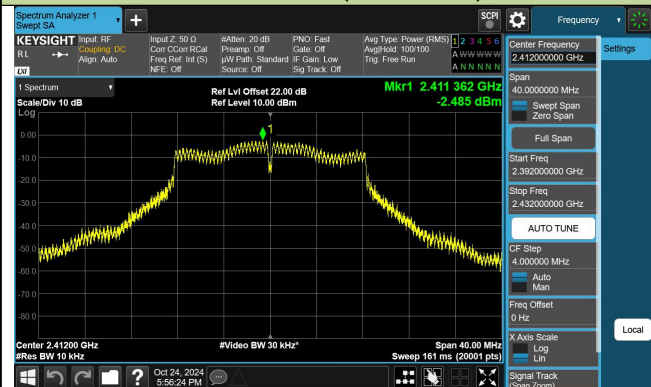


Channel 11 (2462MHz)

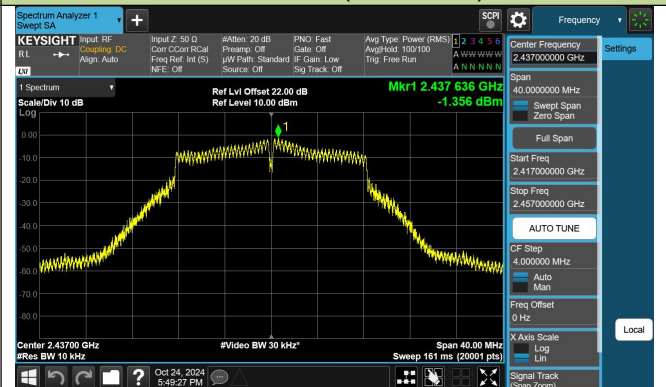


802.11g AVGPSP – Ant 0 CDD Mode

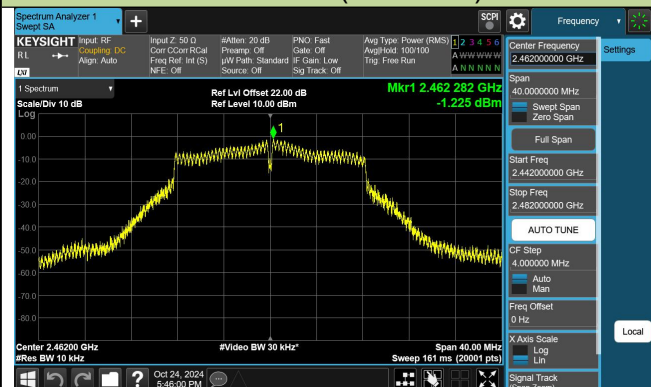
Channel 01 (2412MHz)



Channel 06 (2437MHz)

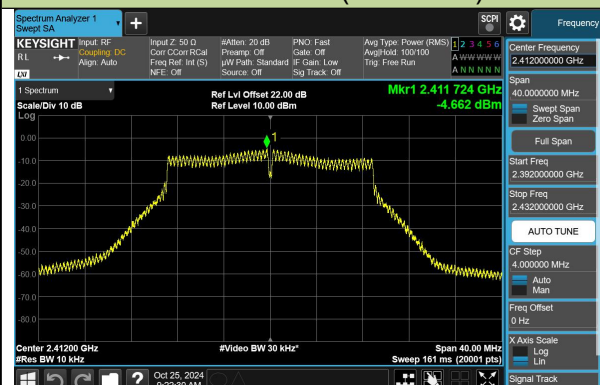


Channel 11 (2462MHz)

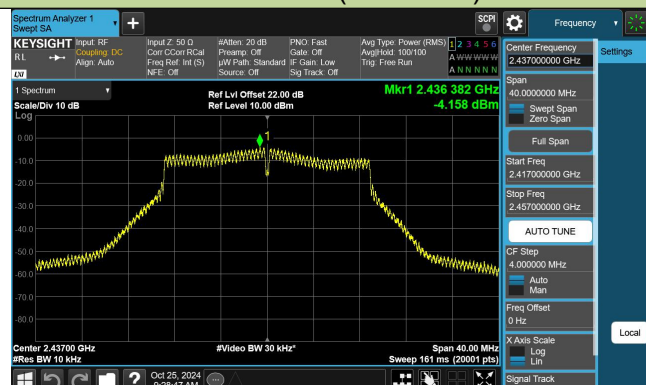


802.11n-HT20 AVGPSD – Ant 0 CDD Mode

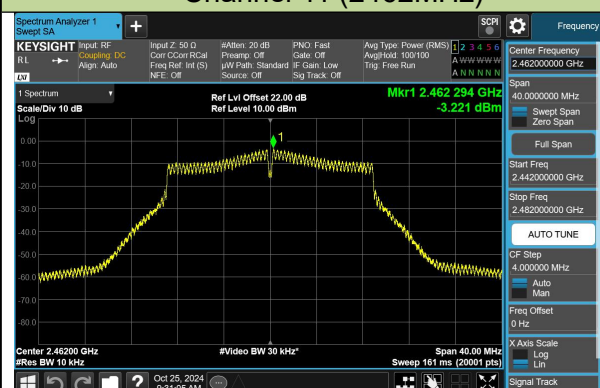
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT40 AVGPSD – Ant 0 CDD Mode

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

