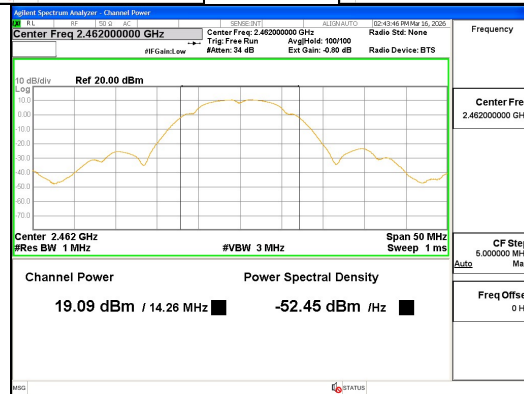
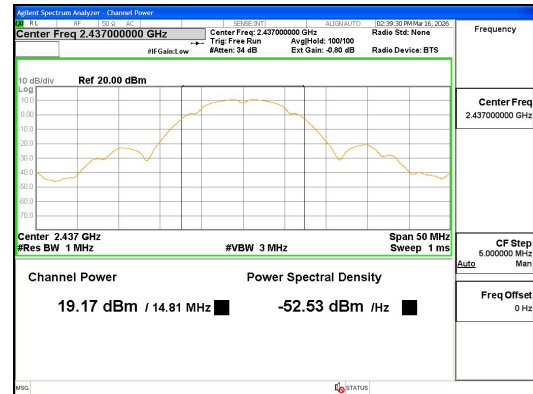
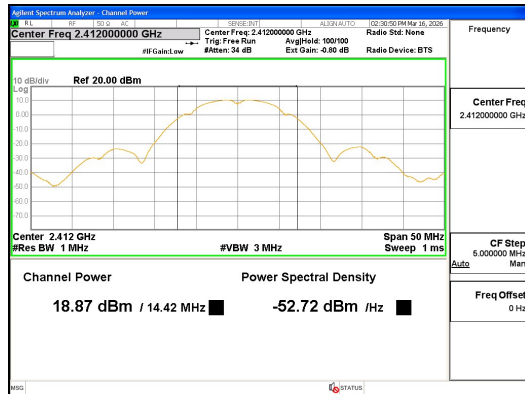


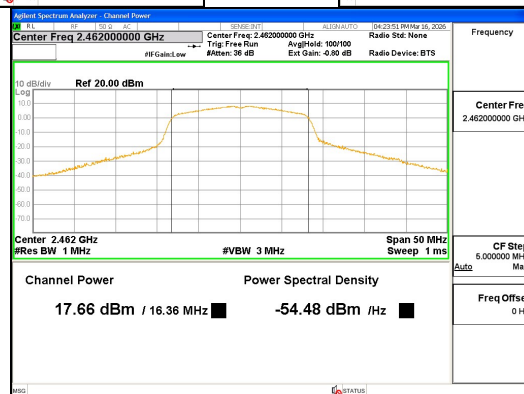
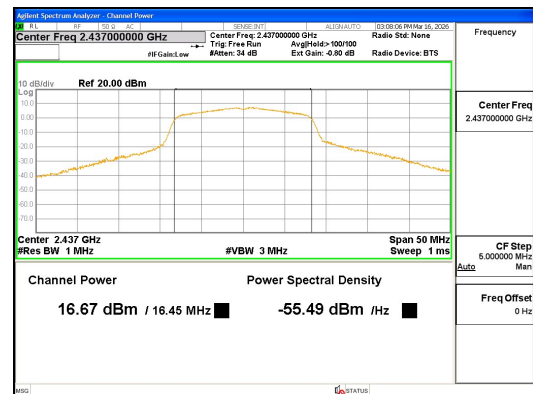
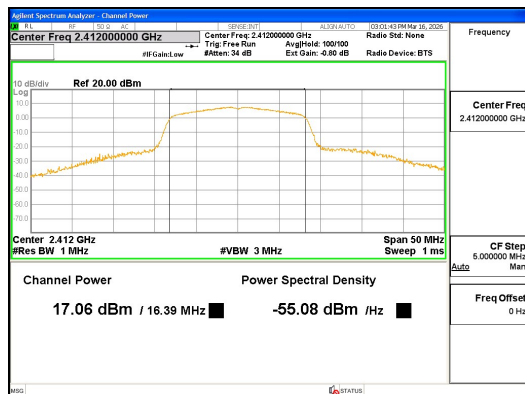


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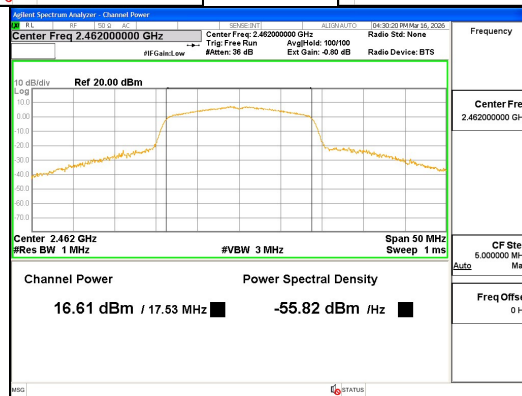
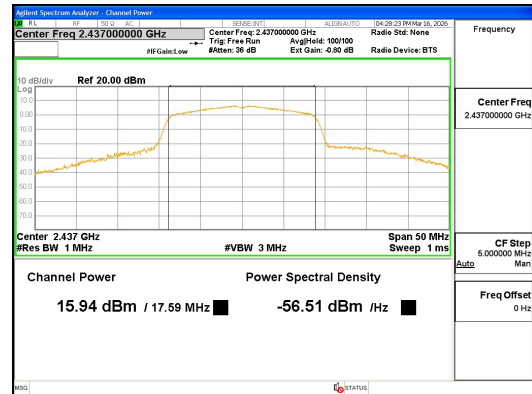
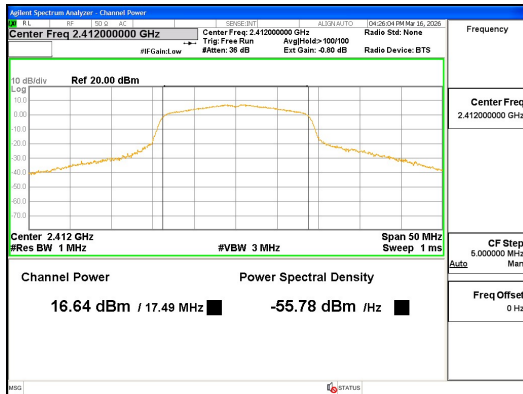
802.11g



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.3 Transmitter Power Spectral Density

Test Procedures

KDB 558074 - Section 8.4

ANSI C63.10-2020 - Section 11.10.2

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance.

Test Settings:

Center frequency = the highest, middle and the lowest channels

a) RBW : $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$

b) VBW $\geq 3 \times \text{RBW}$

c) span $\geq 1.5 \times \text{DTS bandwidth}$

d) Sweep time = auto couple

e) Detector = peak

f) Trace mode= max hold

g) Allow trace to fully stabilize

h) Use the peak marker function to determine the maximum amplitude level within the RBW.

Limit

Operating Mode	Mode	ANT Gain (dBi)	Limit (dBm)
SISO	802.11b/g/n	2.28	8.00

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Test Data

Test Mode	Frequency (MHz)	Measured Power Density (dBm)	Limit (dBm)	Margin(dB)
802.11b	2 412	0.07	8	7.93
	2 437	3.38	8	4.62
	2 462	1.70	8	6.30
802.11g	2 412	-8.40	8	16.40
	2 437	-9.76	8	17.76
	2 462	-8.11	8	16.11
802.11n _HT20	2 412	-7.81	8	15.81
	2 437	-8.76	8	16.76
	2 462	-7.88	8	15.88

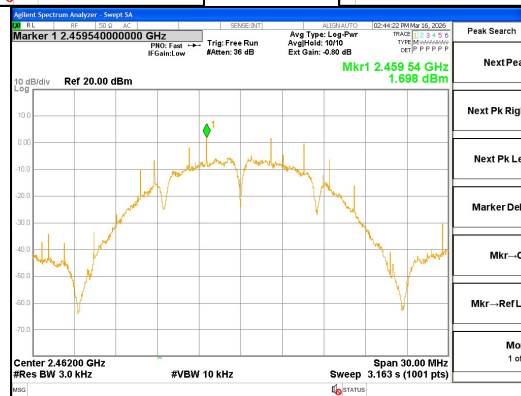
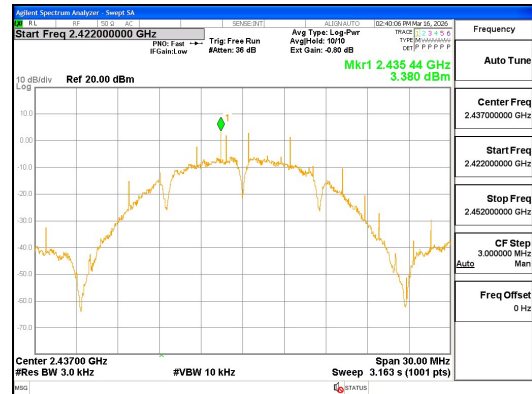
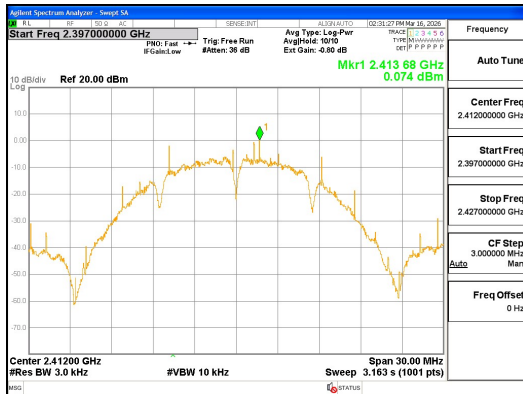
See next pages for actual measured spectrum plots.



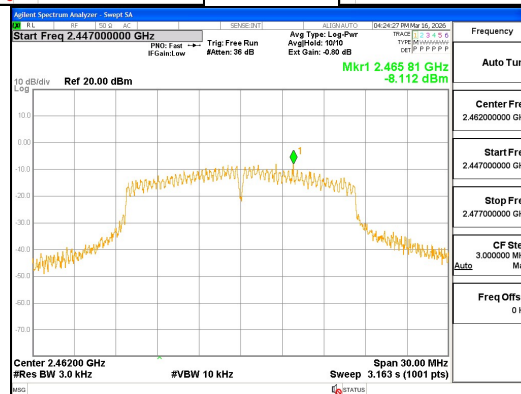
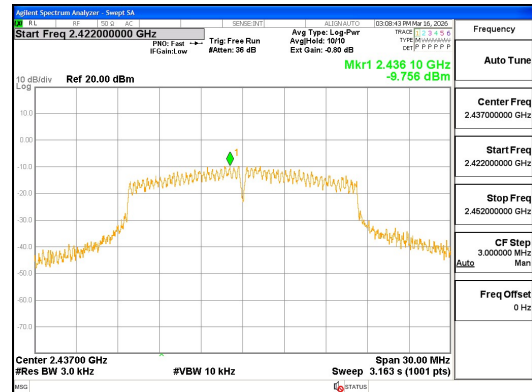
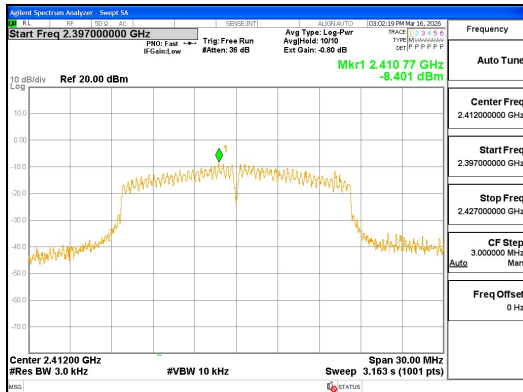
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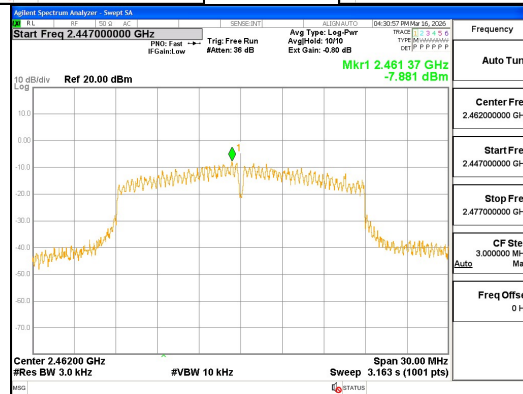
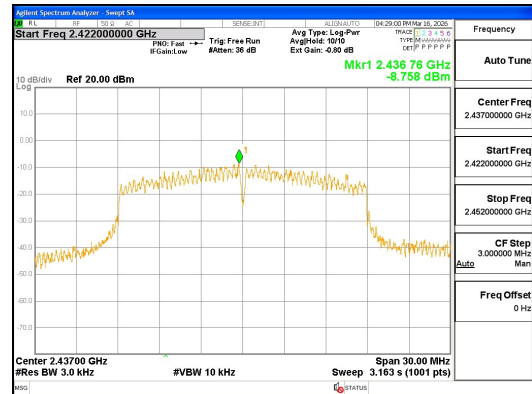
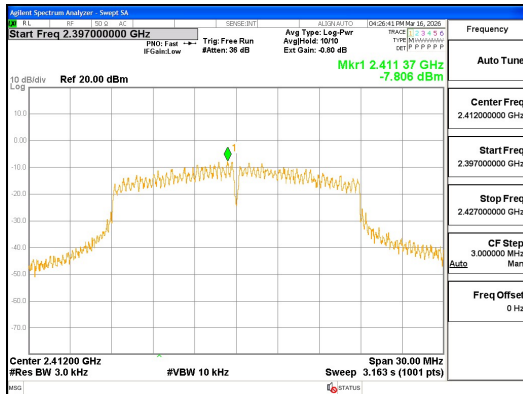
802.11g



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4.4 Conducted Spurious emission

Test Procedures

KDB 558074 - Section 8.5
ANSI C63.10-2020 - Section 11.11.3
RSS-Gen - Section 6.13

The bandwidth at 20 dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate frequencies.
After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

Test Settings:

Center frequency = the highest, middle and the lowest channels

- a) RBW = 100 kHz
- b) VBW $\geq 3 \times$ RBW
- c) Detector = peak
- d) Sweep time = auto couple
- e) Trace mode = max hold
- f) Allow trace to fully stabilize
- g) Use the peak marker function to determine the maximum amplitude level.

Limit :

Emission level < 20 dBc

Test Data: Complies

- All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.

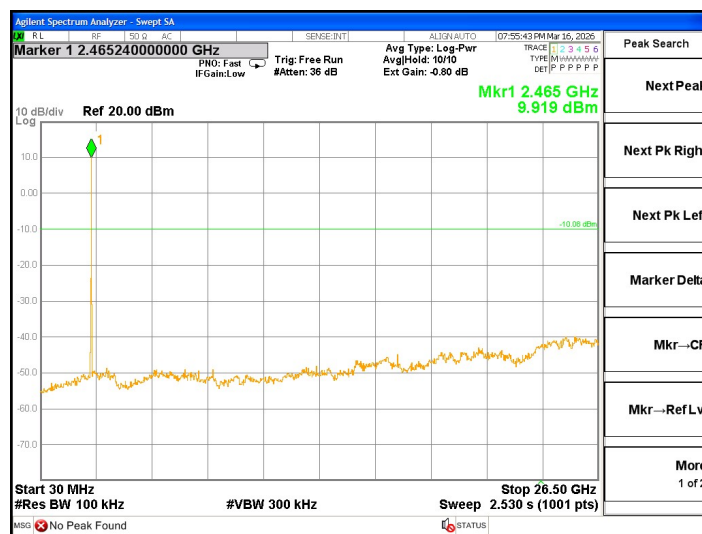
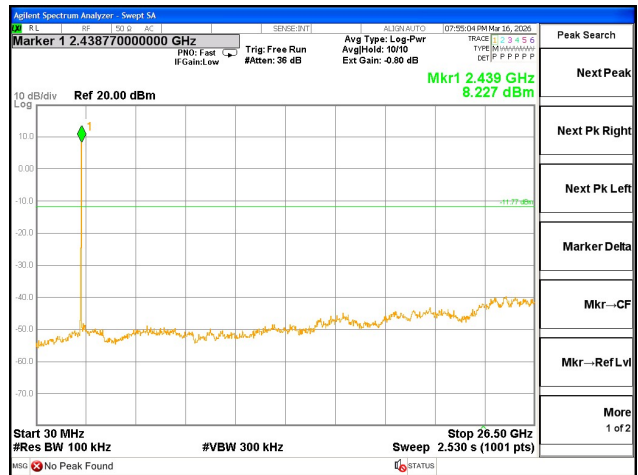
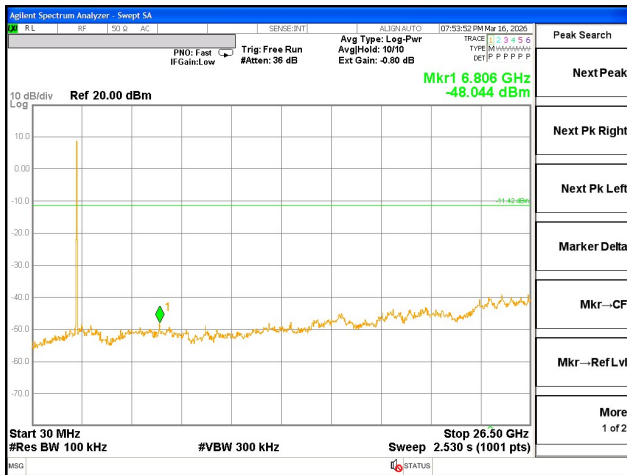
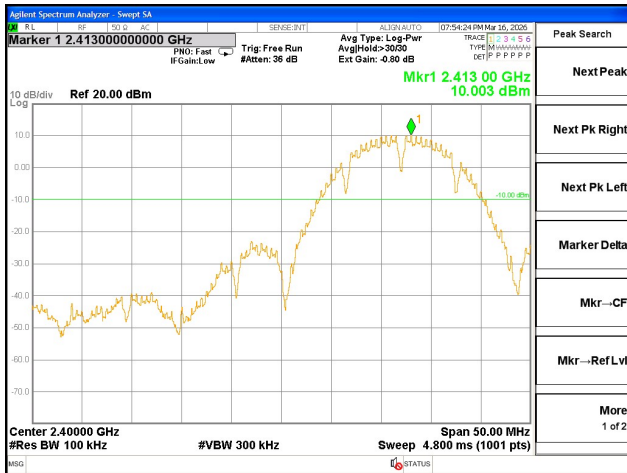
See next pages for actual measured spectrum plots.



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