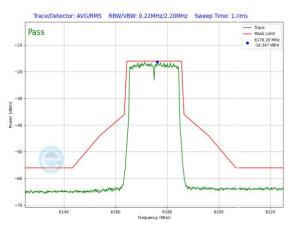
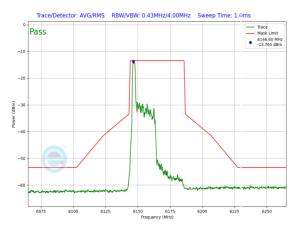


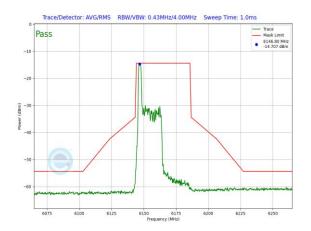
Plot 7-775. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 45)



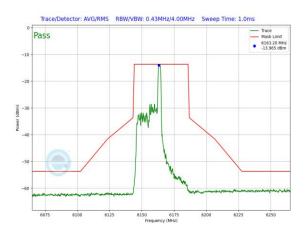
Plot 7-776. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 45)



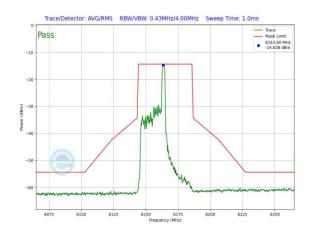
Plot 7-777. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



Plot 7-778. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



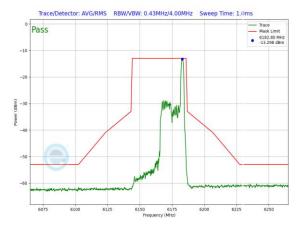
Plot 7-779. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



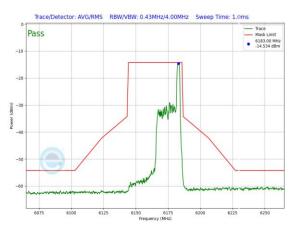
Plot 7-780. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)

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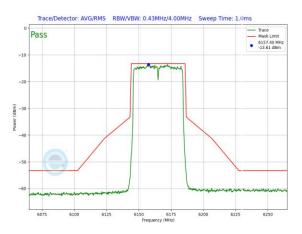




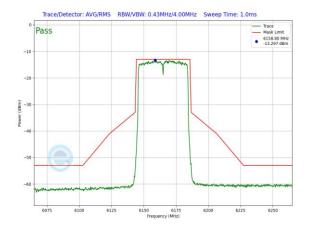




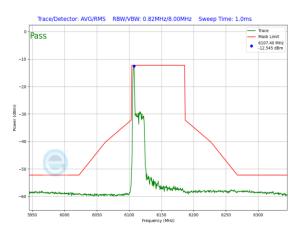
Plot 7-782. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



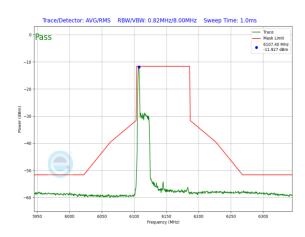
Plot 7-783. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 43)



Plot 7-784. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 43)



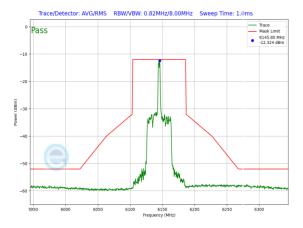
Plot 7-785. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



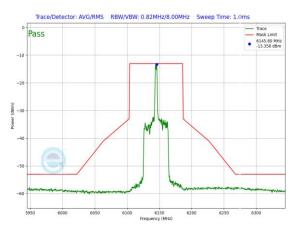
Plot 7-786. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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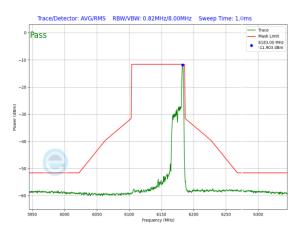




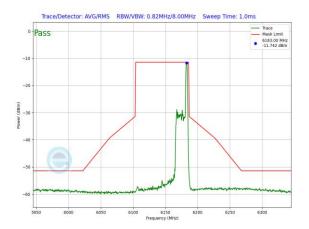




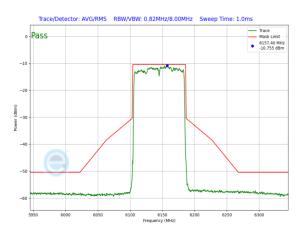
Plot 7-788. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)

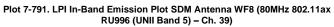


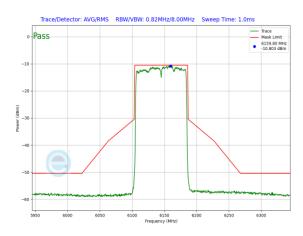
Plot 7-789. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



Plot 7-790. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



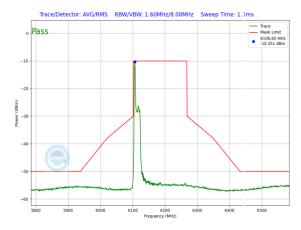




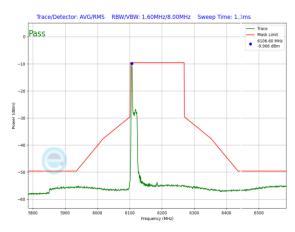
Plot 7-792. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 39)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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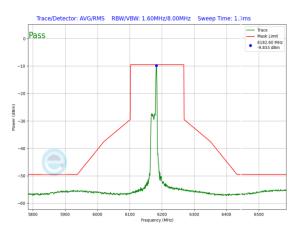




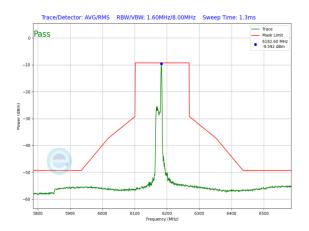
Plot 7-793. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



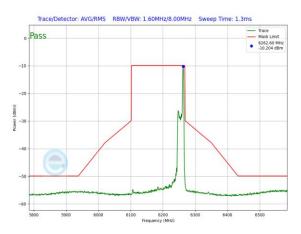
Plot 7-794. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



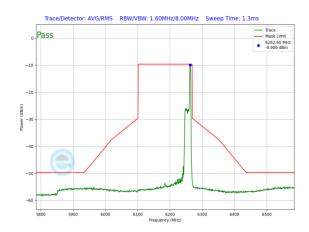
Plot 7-795. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



Plot 7-796. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



Plot 7-797. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



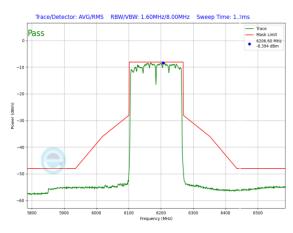
Plot 7-798. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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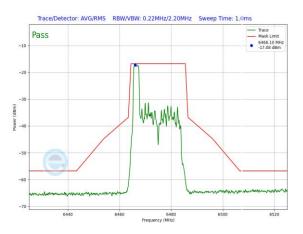




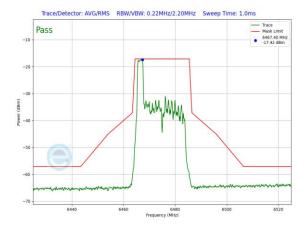
Plot 7-799. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 47)



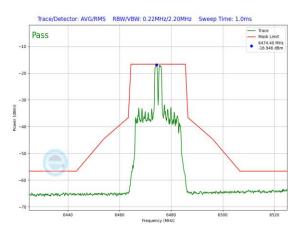
Plot 7-800. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 47)

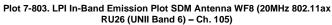


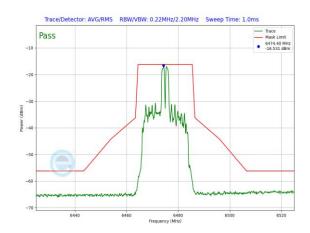
Plot 7-801. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



Plot 7-802. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



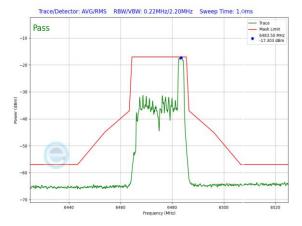




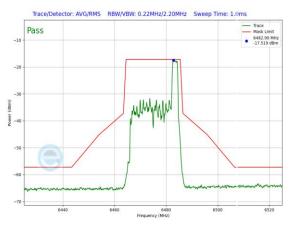
Plot 7-804. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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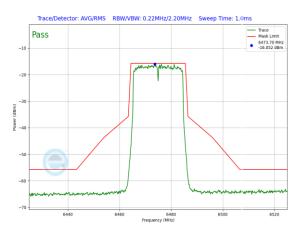




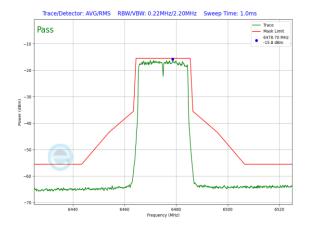
Plot 7-805. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



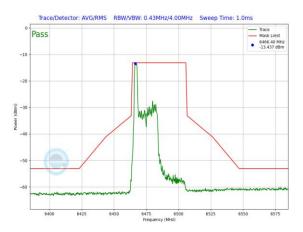
Plot 7-806. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



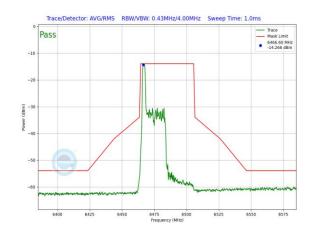
Plot 7-807. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU242 (UNII Band 6) – Ch. 105)



Plot 7-808. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU242 (UNII Band 6) – Ch. 105)



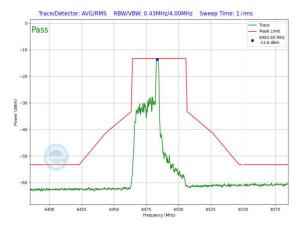
Plot 7-809. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)



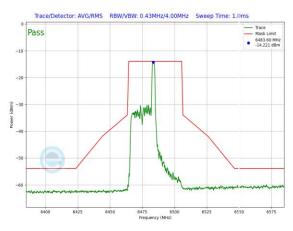
Plot 7-810. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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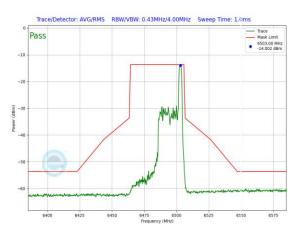




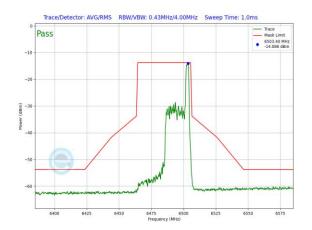
Plot 7-811. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)



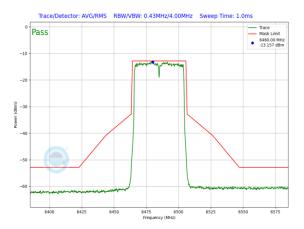
Plot 7-812. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)

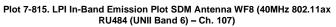


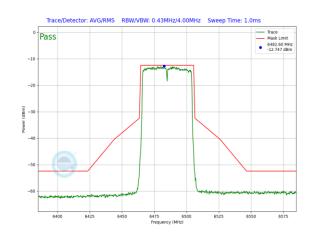
Plot 7-813. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)



Plot 7-814. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)



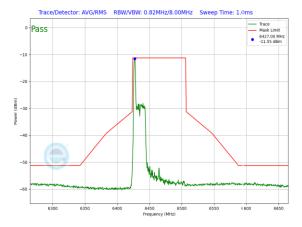


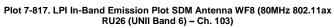


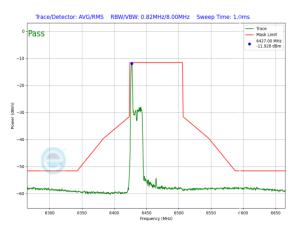
Plot 7-816. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU484 (UNII Band 6) – Ch. 107)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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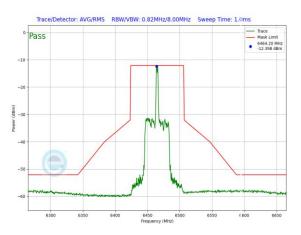




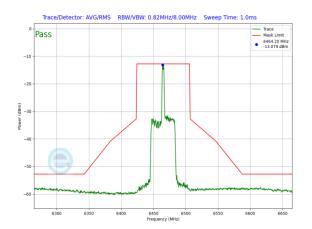




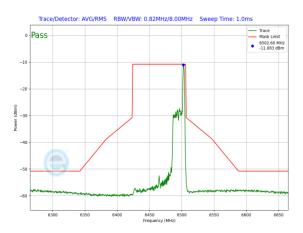
Plot 7-818. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



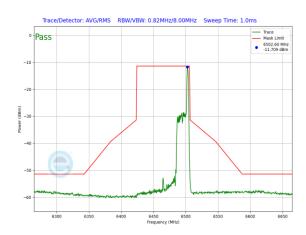
Plot 7-819. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



Plot 7-820. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



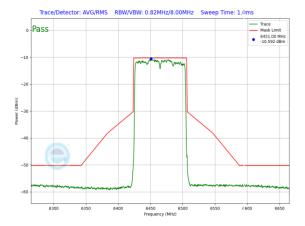
Plot 7-821. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)

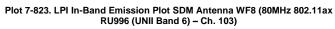


Plot 7-822. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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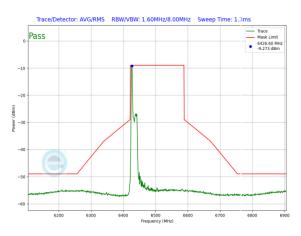




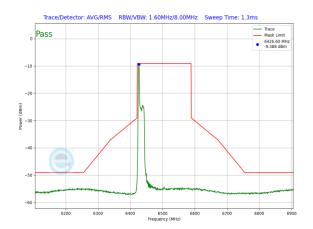




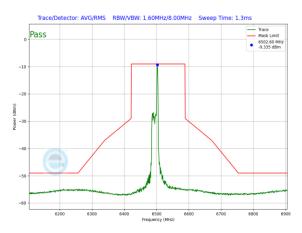
Plot 7-824. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU996 (UNII Band 6) – Ch. 103)



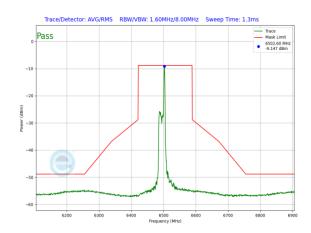
Plot 7-825. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



Plot 7-826. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



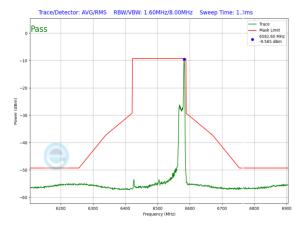
Plot 7-827. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



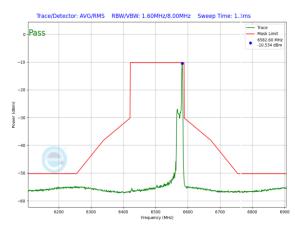
Plot 7-828. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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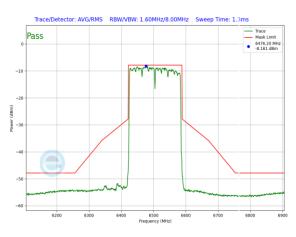




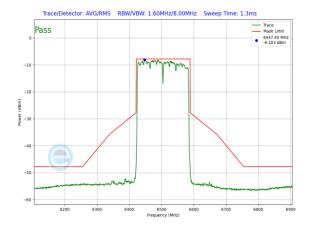
Plot 7-829. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



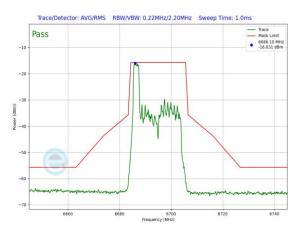
Plot 7-830. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)

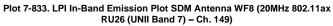


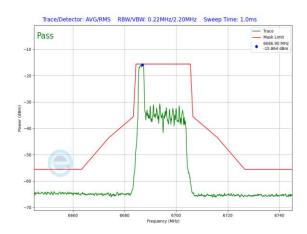
Plot 7-831. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU996x2 (UNII Band 6) – Ch. 111)



Plot 7-832. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU996x2 (UNII Band 6) – Ch. 111)



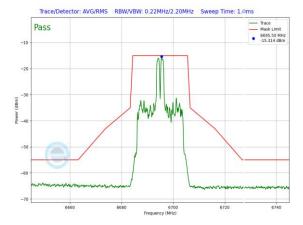




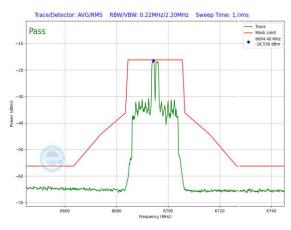
Plot 7-834. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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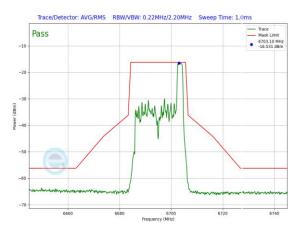




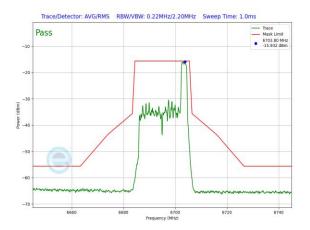
Plot 7-835. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



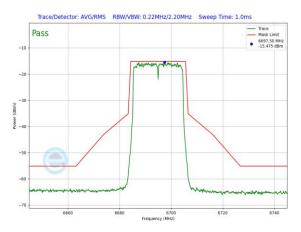
Plot 7-836. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)

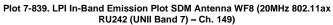


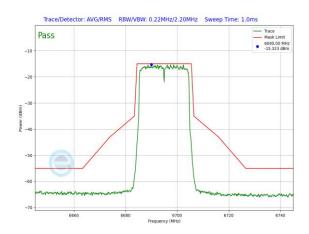
Plot 7-837. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



Plot 7-838. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



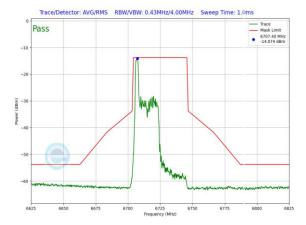




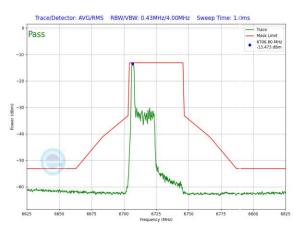
Plot 7-840. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 210 of 201
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 219 of 384
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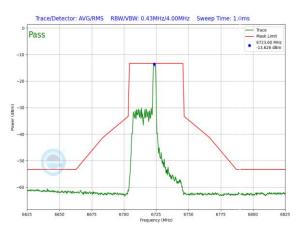




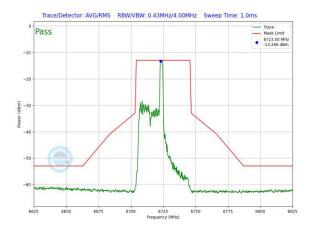
Plot 7-841. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



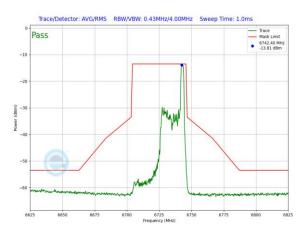
Plot 7-842. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)

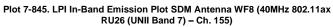


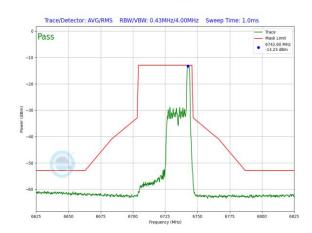
Plot 7-843. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



Plot 7-844. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)





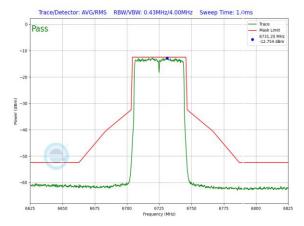


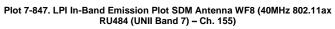
Plot 7-846. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)

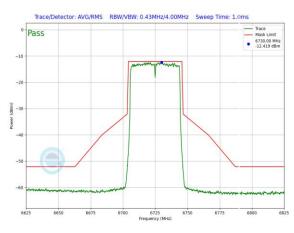
FCC ID: BCGA2902 IC: 579C-A2902	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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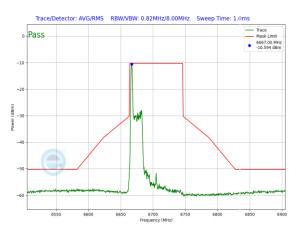




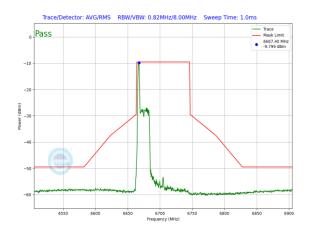




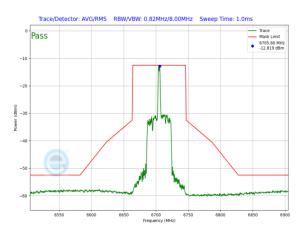
Plot 7-848. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)

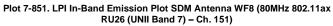


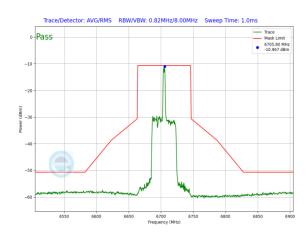
Plot 7-849. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)



Plot 7-850. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)



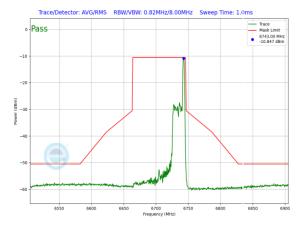




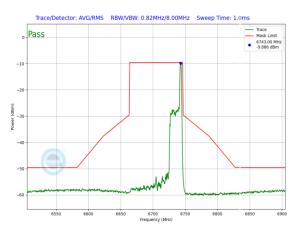
Plot 7-852. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 221 of 284	
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 221 of 384	
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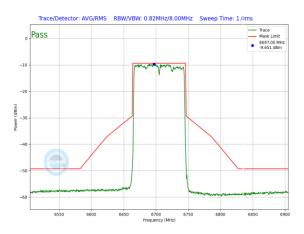




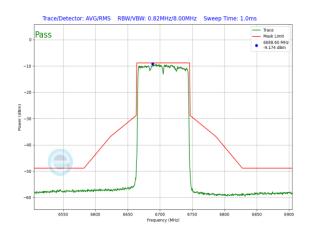
Plot 7-853. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)



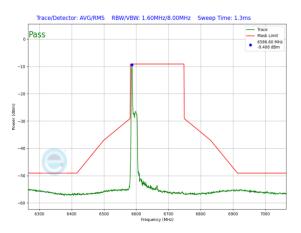
Plot 7-854. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)



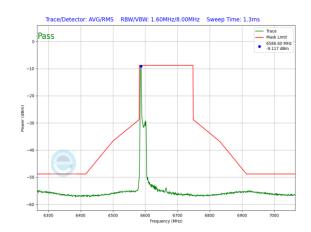
Plot 7-855. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)



Plot 7-856. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)



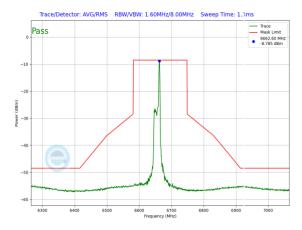
Plot 7-857. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)



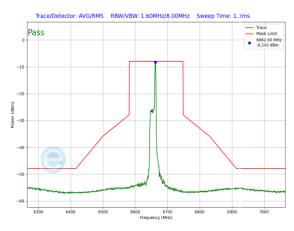
Plot 7-858. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 000 at 004
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 222 of 384
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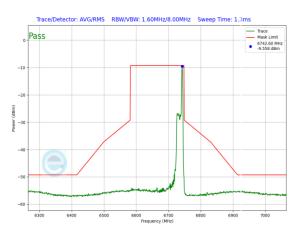




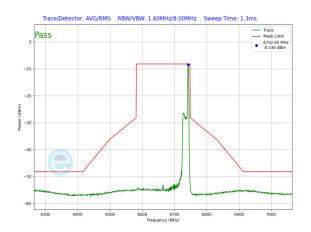
Plot 7-859. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)



Plot 7-860. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)



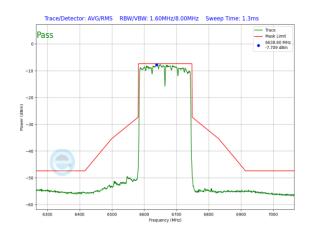
Plot 7-861. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)



Plot 7-862. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)



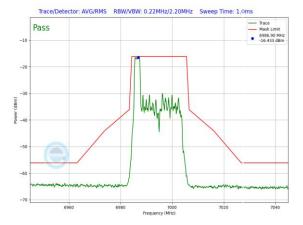
Plot 7-863. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)



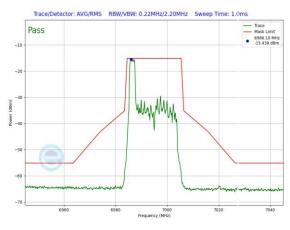
Plot 7-864. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 222 of 284	
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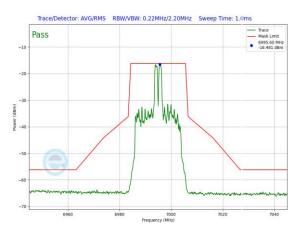




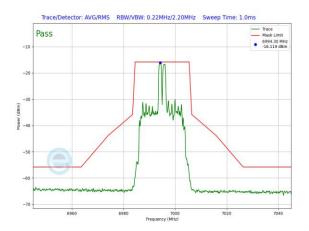
Plot 7-865. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



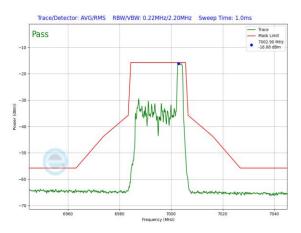
Plot 7-866. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)

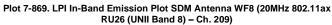


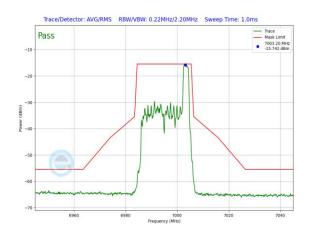
Plot 7-867. LPI In-Band Emission Plot SDM Antenna WF8 (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



Plot 7-868. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



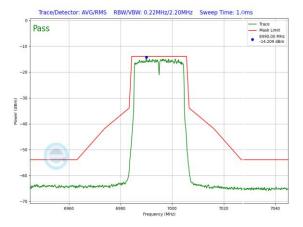




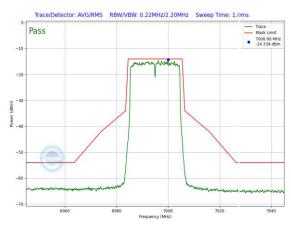
Plot 7-870. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 224 of 284	
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 224 of 384	
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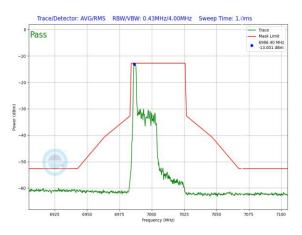




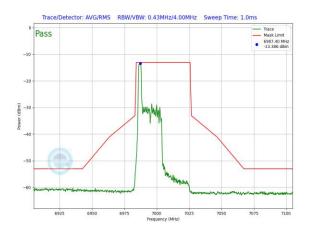




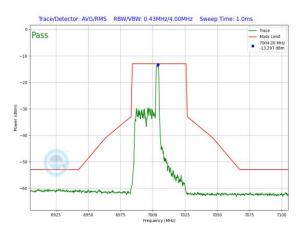
Plot 7-872. LPI In-Band Emission Plot SDM Antenna WF7a (20MHz 802.11ax RU242 (UNII Band 8) – Ch. 209)



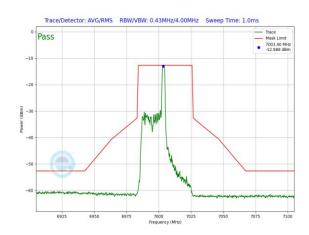
Plot 7-873. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



Plot 7-874. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



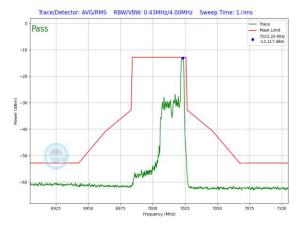
Plot 7-875. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



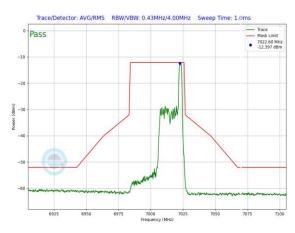
Plot 7-876. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 005 at 004
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 225 of 384
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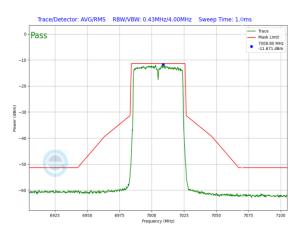




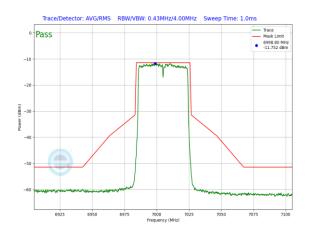
Plot 7-877. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



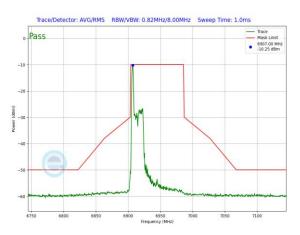
Plot 7-878. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)

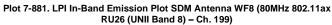


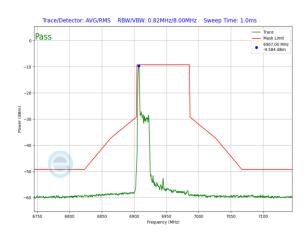
Plot 7-879. LPI In-Band Emission Plot SDM Antenna WF8 (40MHz 802.11ax RU484 (UNII Band 8) – Ch. 211)



Plot 7-880. LPI In-Band Emission Plot SDM Antenna WF7a (40MHz 802.11ax RU484 (UNII Band 8) – Ch. 211)



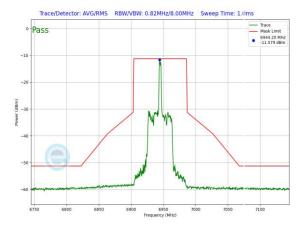




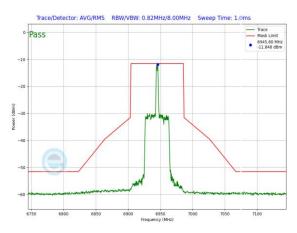
Plot 7-882. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 226 of 284	
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 226 of 384	
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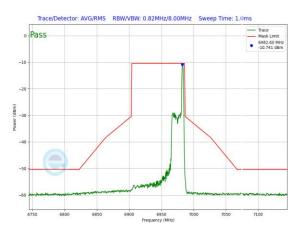




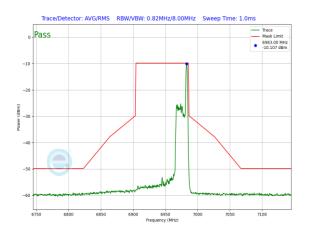
Plot 7-883. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



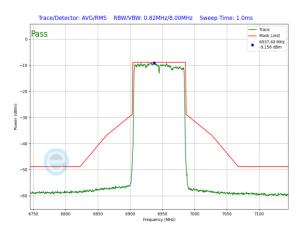
Plot 7-884. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)

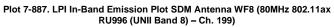


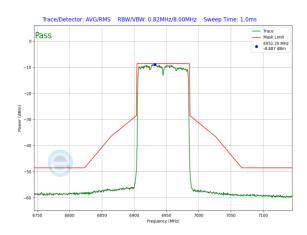
Plot 7-885. LPI In-Band Emission Plot SDM Antenna WF8 (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



Plot 7-886. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



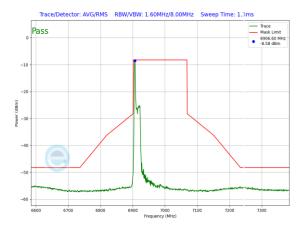




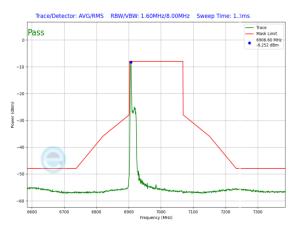
Plot 7-888. LPI In-Band Emission Plot SDM Antenna WF7a (80MHz 802.11ax RU996 (UNII Band 8) – Ch. 199)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 227 of 284	
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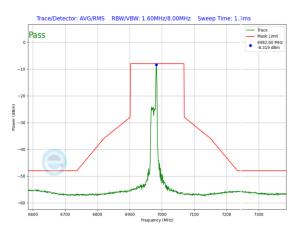




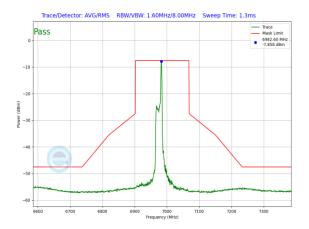
Plot 7-889. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



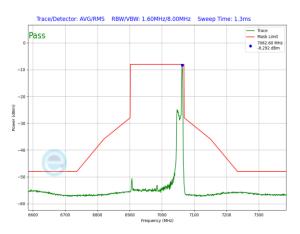
Plot 7-890. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



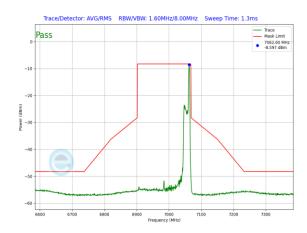
Plot 7-891. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-892. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



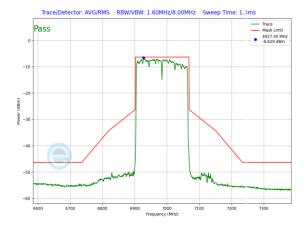
Plot 7-893. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



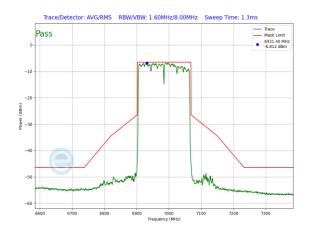
Plot 7-894. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 220 of 204
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Plot 7-895. LPI In-Band Emission Plot SDM Antenna WF8 (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)



Plot 7-896. LPI In-Band Emission Plot SDM Antenna WF7a (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)

FCC ID: BCGA2902 IC: 579C-A2902	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 220 of 284
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## 7.6 Contention Based Protocol – 802.11ax OFDMA §15.407(d)(6), RSS-248 [4.8]

## Test Overview and Limit

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel.

#### Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2 KDB 987594 D02 v02r01

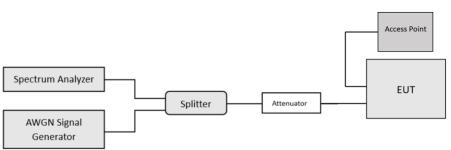
## Test Settings

- 1. Configure the EUT to transmit with a constant duty cycle.
- 2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth
- 3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
- 4. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- 5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
- 6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
- 8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- 10. Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- 11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

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# Test Setup



# Figure 7-5. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

## Test Notes

- 1. The EUT does not support channel puncturing.
- 2. Per guidance from KDB KDB 9875594 D02 v02r01, contention based protocol was tested using an AWGN signal with a bandwidth of 10MHz. The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.
- 3. 15 trials were ran in order to assure that at least 90% of certainty was met.
- 4. Per Guidance from KDB KDB 987594 D04 v02, contention based protocol was tested with receiver with the lowest antenna gain.

Detection Level = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB)

**Equation 7-1. Incumbent Detection Level Calculation** 

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Band	Channel	Channel Frquency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
	53	6215	20	6215	-69.98	0.40	-72.98	-62.0	-10.98
UNII				6110	-64.20	0.40	-67.20	-62.0	-5.20
Band 5	47	6185	160	6185	-64.43	0.40	-67.43	-62.0	-5.43
				6260	-62.17	0.40	-65.17	-62.0	-3.17
	101	6455	20	6455	-67.95	0.40	-70.95	-62.0	-8.95
UNII				6430	-64.31	0.40	-67.31	-62.0	-5.31
Band 6	111	6505	160	6505	-64.40	0.40	-67.40	-62.0	-5.40
				6580	-62.23	0.40	-65.23	-62.0	-3.23
	149	6695	20	6695	-69.09	0.40	-72.09	-62.0	-10.09
UNII				6590	-63.21	0.40	-66.21	-62.0	-4.21
Band 7	143	6665	160	6665	-64.40	0.40	-67.40	-62.0	-5.40
				6740	-62.11	0.40	-65.11	-62.0	-3.11
	197	6935	20	6935	-70.11	0.40	-73.11	-62.0	-11.11
UNII				6910	-63.23	0.40	-66.23	-62.0	-4.23
Band 8	207	6985	160	6985	-64.65	0.40	-67.65	-62.0	-5.65
				7060	-64.34	0.40	-67.34	-62.0	-5.34

Table 7-95. Contention Based Protocol – Incumbent Detection Results

Band	Channel	Channel Frquency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	EUT Transmission Status Adjusted AWGN Power (dBm)			
					Normal	Minimal	Ceased	
	53	6215	20	6215	-83.98	-74.86	-72.98	
UNII				6110	-78.20	-68.31	-67.20	
Band 5	47	6185	160	6185	-78.43	-68.25	-67.43	
				6260	-76.17	-66.60	-65.17	
	101	6455	20	6455	-81.95	-72.98	-70.95	
UNII				6430	-78.31	-68.30	-67.31	
Band 6	111	6505	160	6505	-78.40	-68.51	-67.40	
				6580	-76.23	-66.12	-65.23	
	149	6695	20	6695	-83.09	-74.15	-72.09	
UNII				6750	-77.21	-67.36	-66.21	
Band 7	175	6665	160	6825	-78.40	-68.45	-67.40	
				6900	-76.11	-66.36	-65.11	
	197	6935	20	6935	-84.11	-75.01	-73.11	
UNII				6910	-77.23	-67.21	-66.23	
Band 8	207	6985	160	6985	-78.65	-68.75	-67.65	
				7060	-78.34	-68.38	-67.34	

Table 7-96. Contention Based Protocol – Detection Results – All Tx Cases

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Daga 222 of 294	
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							-	CBPD	etection (1 = De	etection, Blank	= No Detectio	1)	-	-																					
Band	Channel	Channel Frquency [MHz]	Channel BW [MHz]	1	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate [%]	Limit [%]	Pass/Fail															
	53	6215	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
UNII				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
Band 5	47	6185	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
																			1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
	101	6455	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
UNII				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
Band 6	111	6505	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
	149	6695	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
UNII				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
Band 7	175	6665	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
	197	6935	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
UNII				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
Band 8	207	6985	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass															
			- I. I.		~																														

Table 7-97. Contention Based Protocol – Incumbent Detection Trial Results

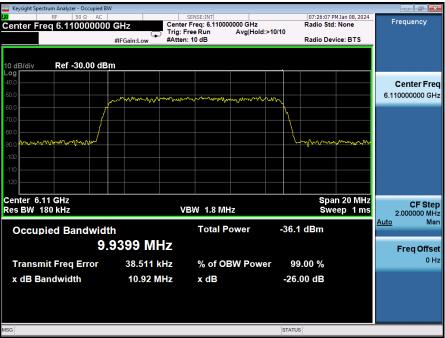
FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 222 of 284
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## **AWGN Plots**



Plot 7-897. AWGN Signal – UNII 5 – 20MHz



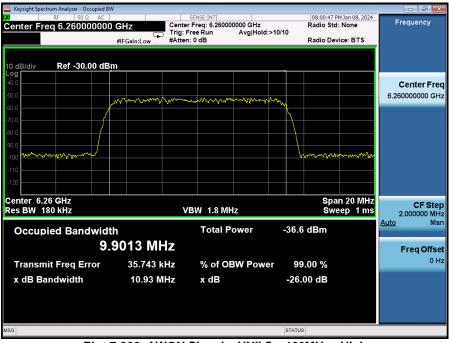
Plot 7-898. AWGN Signal - UNII 5 - 160MHz - Low

FCC ID: BCGA2902 IC: 579C-A2902	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 224 of 284
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Plot 7-899. AWGN Signal – UNII 5 – 160MHz – Mid



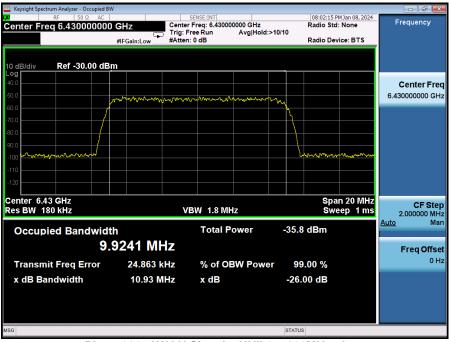
Plot 7-900. AWGN Signal – UNII 5 – 160MHz - High

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 225 of 284
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Plot 7-901. AWGN Signal – UNII 6 – 20MHz



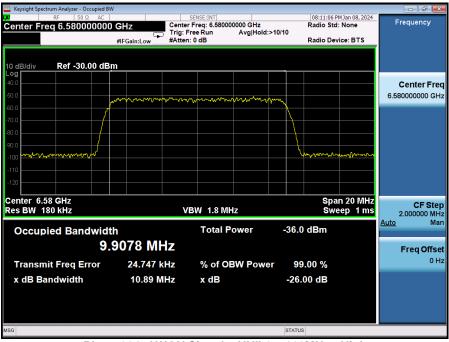
Plot 7-902. AWGN Signal - UNII 6 - 160MHz - Low

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 226 of 294
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Plot 7-903. AWGN Signal – UNII 6 – 160MHz – Mid



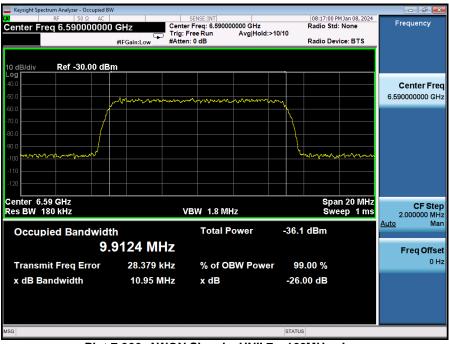
Plot 7-904. AWGN Signal - UNII 6 - 160MHz - High

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 227 of 204
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Plot 7-905. AWGN Signal – UNII 7 – 20MHz



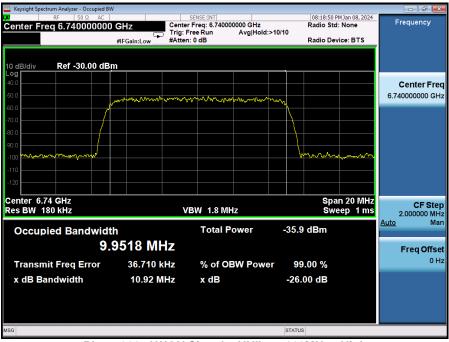
Plot 7-906. AWGN Signal - UNII 7 - 160MHz - Low

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 220 of 204
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Plot 7-907. AWGN Signal – UNII 7 – 160MHz – Mid



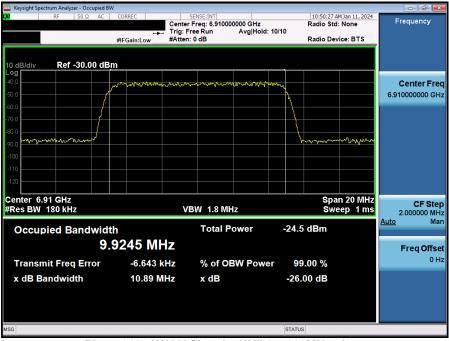
Plot 7-908. AWGN Signal – UNII 7 – 160MHz - High

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 220 of 294
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Plot 7-909. AWGN Signal – UNII 8 – 20MHz



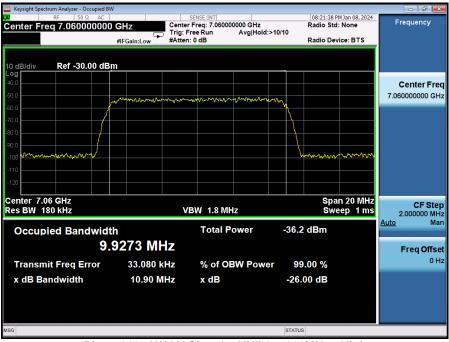
Plot 7-910. AWGN Signal - UNII 8 - 160MHz - Low

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 0.40 at 00.4
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Plot 7-911. AWGN Signal – UNII 8 – 160MHz – Mid

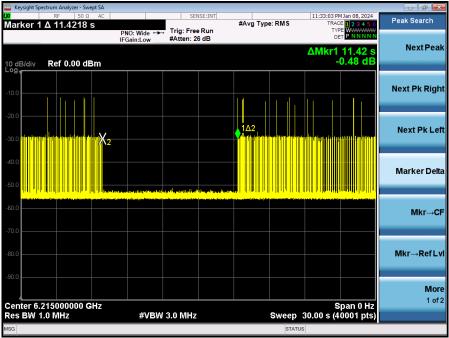


Plot 7-912. AWGN Signal - UNII 8 - 160MHz - High

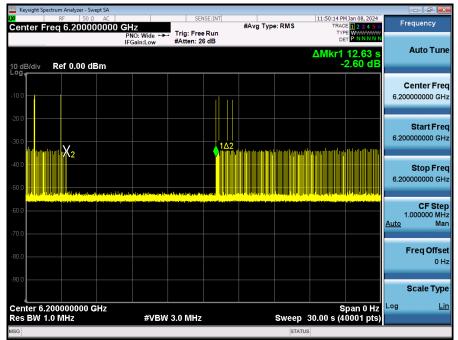
FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 044 at 004
1C2311270063-14-R1.BCG	11/29/2023 - 04/04/2024	Tablet Device	Page 241 of 384
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## **Contention-Based Protocol Timing Plots**



Plot 7-913. Contention Based Protocol Timing Plot - UNII 5 - 20MHz Channel 53



Plot 7-914. Contention Based Protocol Timing Plot - UNII 5 - 160MHz Channel 47 - Low

FCC ID: BCGA2902 IC: 579C-A2902	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 242 of 384
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