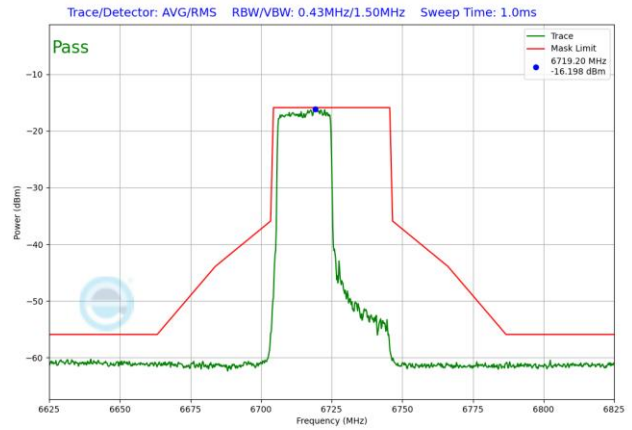
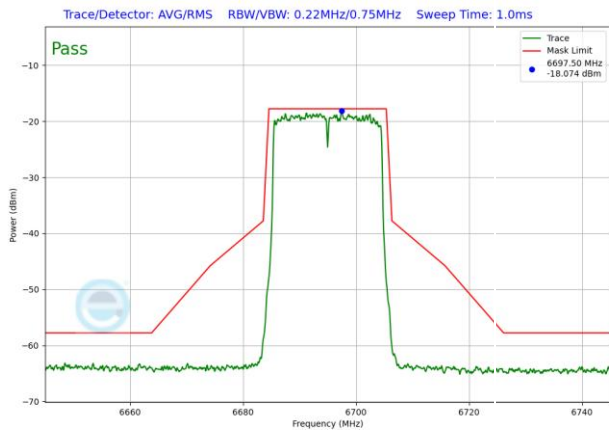


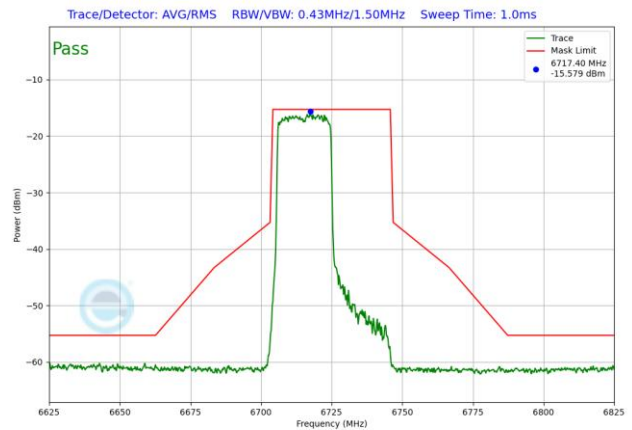
Plot 7-1808. VLP In-Band Emission Plot SDM Antenna WF5T (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)



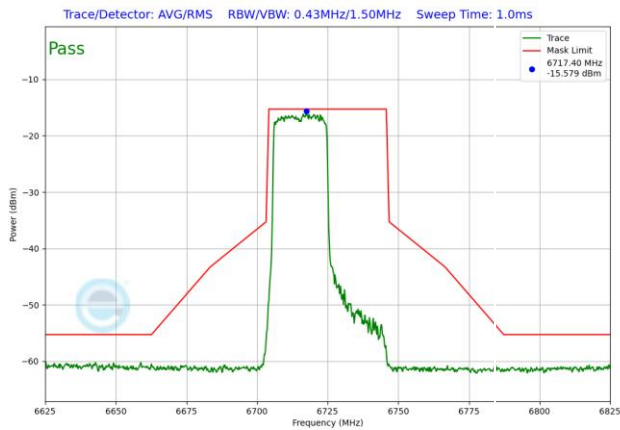
Plot 7-1811. VLP In-Band Emission Plot SDM Antenna 3b (40MHz 802.11ax RU242 (UNII Band 7) – Ch. 155)



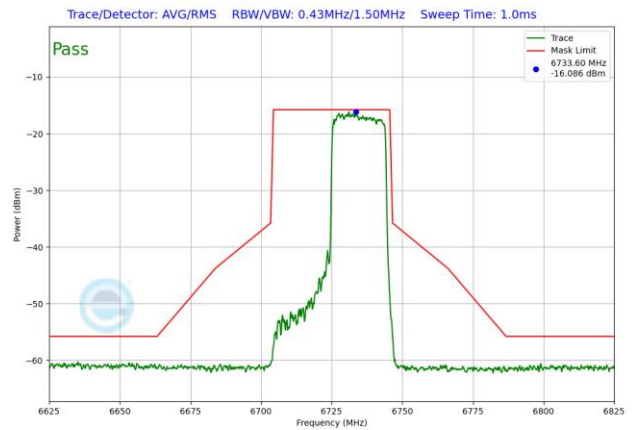
Plot 7-1809. VLP In-Band Emission Plot SDM Antenna 3b (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)



Plot 7-1812. VLP In-Band Emission Plot SDM Antenna WF5T (40MHz 802.11ax RU242 (UNII Band 7) – Ch. 155)

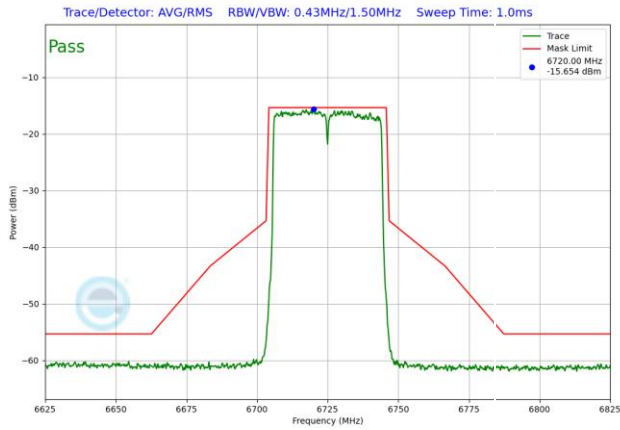


Plot 7-1810. VLP In-Band Emission Plot SDM Antenna WF5T (40MHz 802.11ax RU242 (UNII Band 7) – Ch. 155)

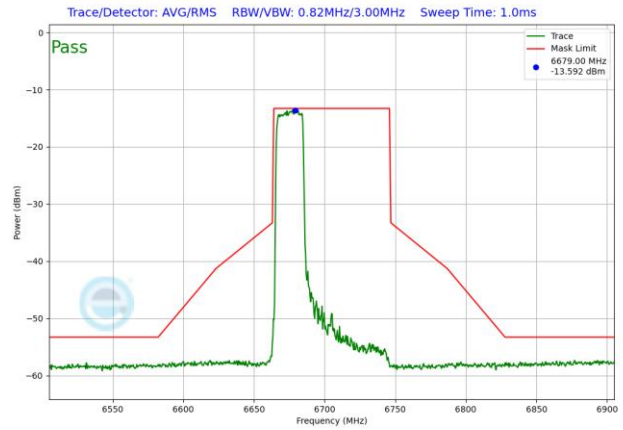


Plot 7-1813. VLP In-Band Emission Plot SDM Antenna 3b (40MHz 802.11ax RU242 (UNII Band 7) – Ch. 155)

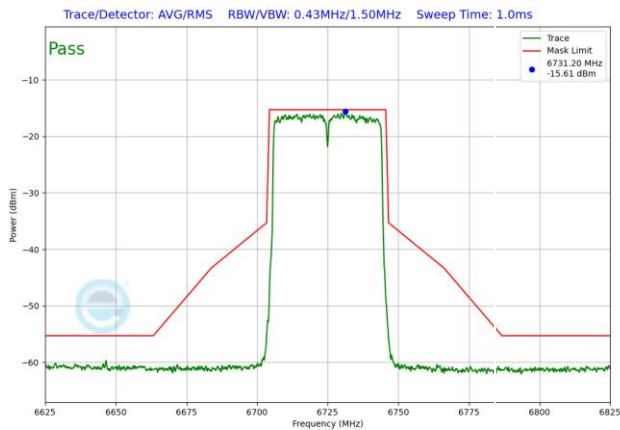
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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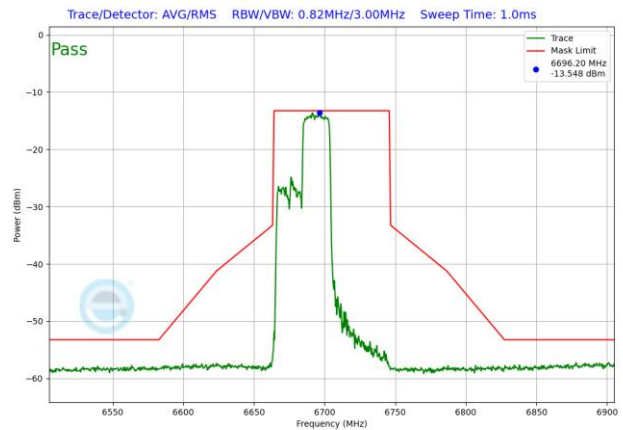
Plot 7-1814. VLP In-Band Emission Plot SDM Antenna WF5T (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



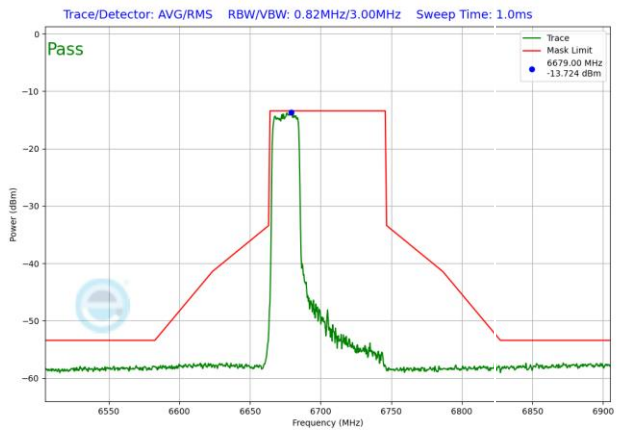
Plot 7-1817. VLP In-Band Emission Plot SDM Antenna 3b (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)



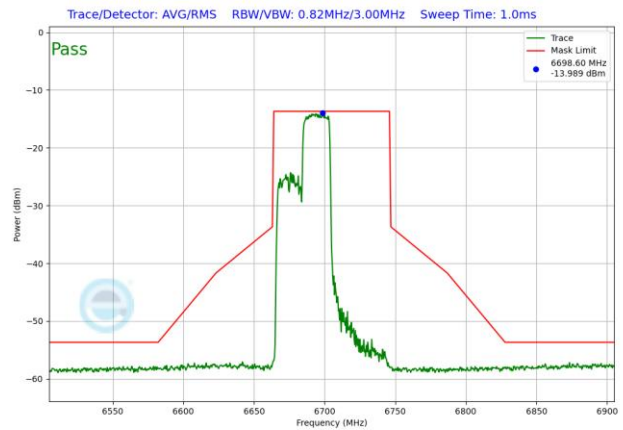
Plot 7-1815. VLP In-Band Emission Plot SDM Antenna 3b (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



Plot 7-1818. VLP In-Band Emission Plot SDM Antenna WF5T (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)

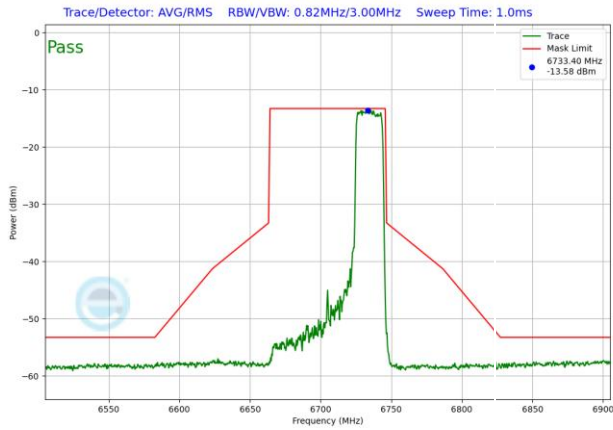


Plot 7-1816. VLP In-Band Emission Plot SDM Antenna WF5T (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)

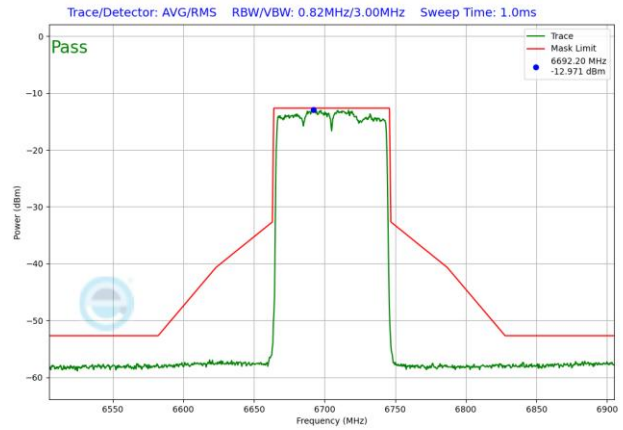


Plot 7-1819. VLP In-Band Emission Plot SDM Antenna 3b (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)

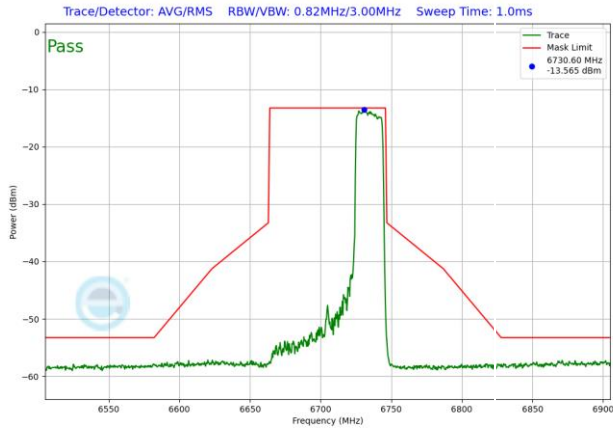
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024		EUT Type: Tablet Device



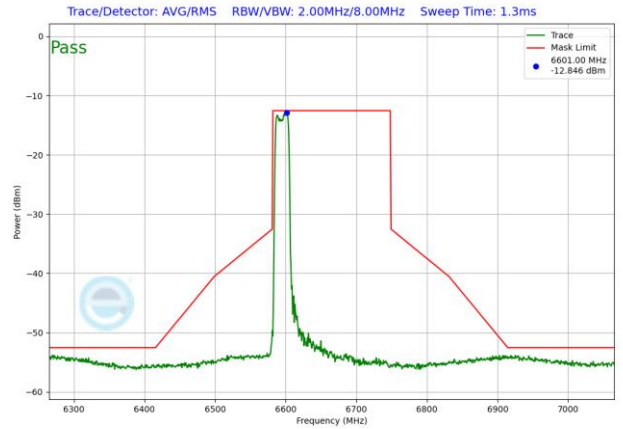
Plot 7-1820. VLP In-Band Emission Plot SDM Antenna WF5T (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)



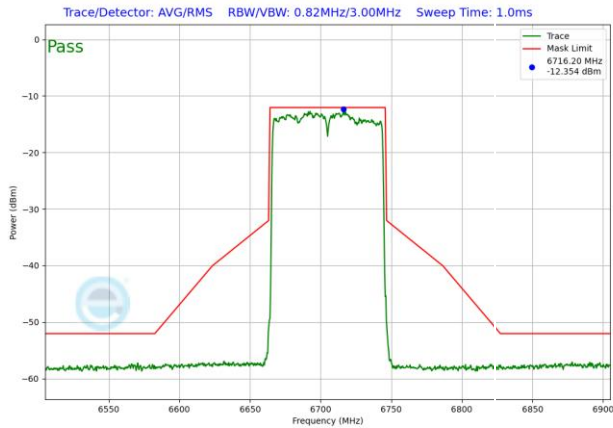
Plot 7-1823. VLP In-Band Emission Plot SDM Antenna 3b (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)



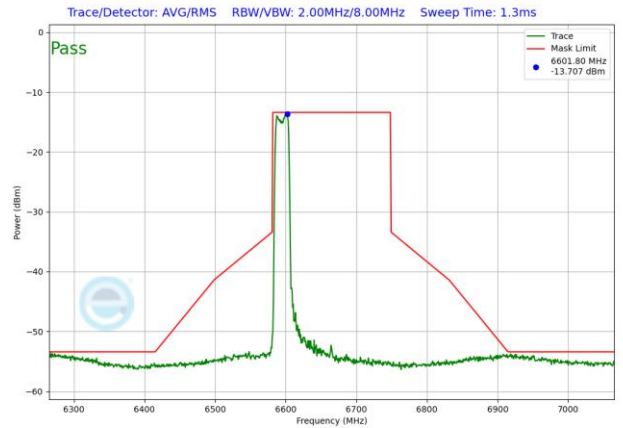
Plot 7-1821. VLP In-Band Emission Plot SDM Antenna 3b (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)



Plot 7-1824. VLP In-Band Emission Plot SDM Antenna WF5T (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)

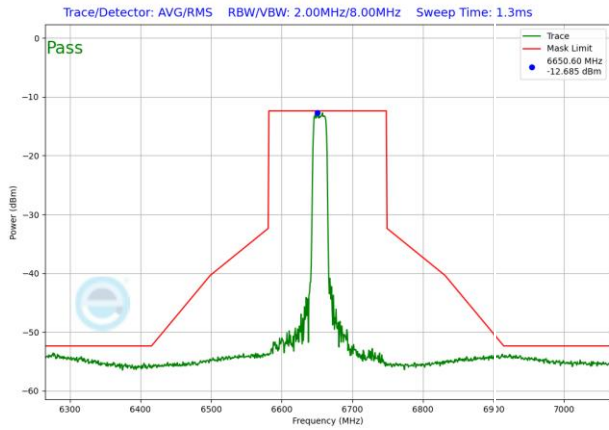


Plot 7-1822. VLP In-Band Emission Plot SDM Antenna WF5T (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)

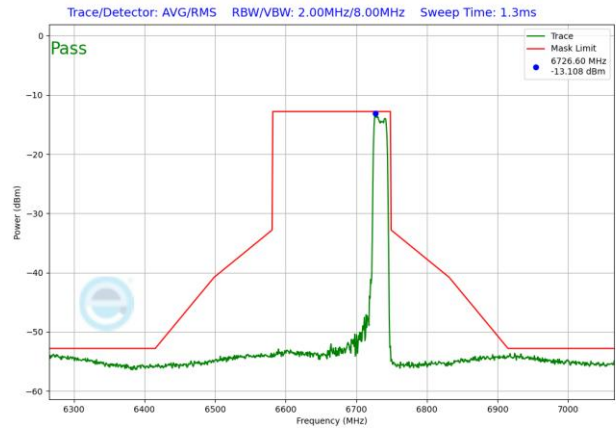


Plot 7-1825. VLP In-Band Emission Plot SDM Antenna 3b (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)

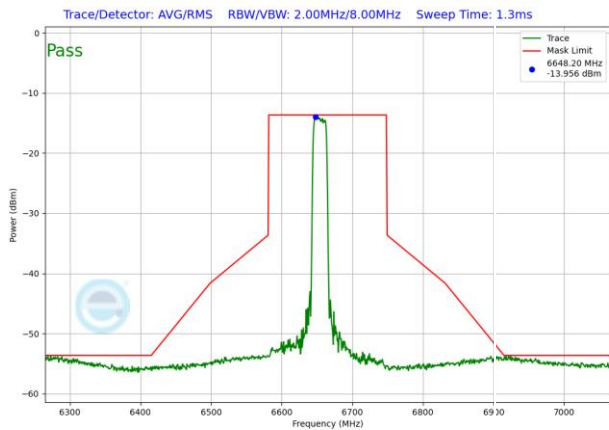
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 458 of 693



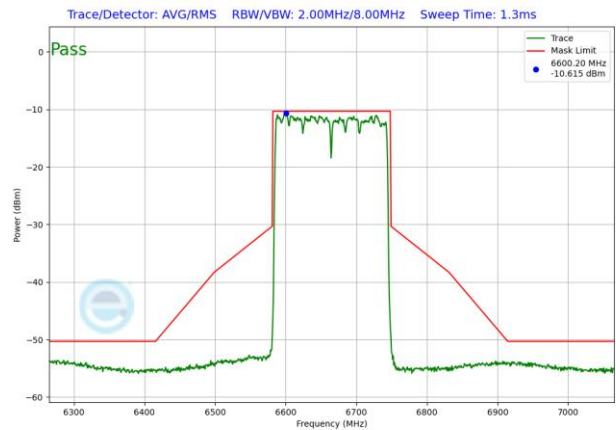
Plot 7-1826. VLP In-Band Emission Plot SDM Antenna WF5T (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)



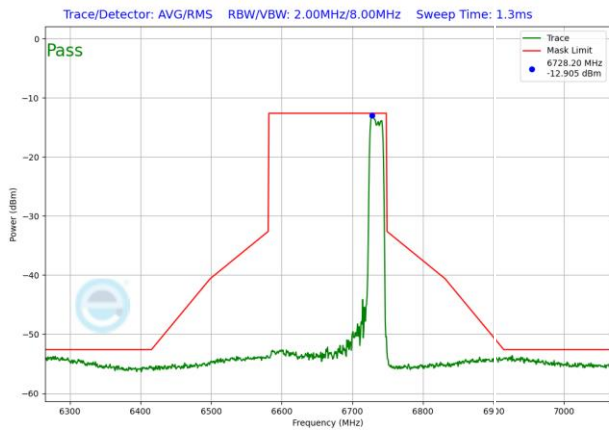
Plot 7-1829. VLP In-Band Emission Plot SDM Antenna 3b (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)



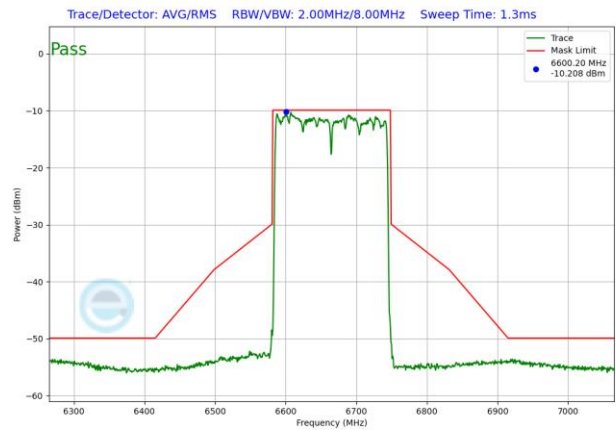
Plot 7-1827. VLP In-Band Emission Plot SDM Antenna 3b (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)




Plot 7-1830. VLP In-Band Emission Plot SDM Antenna WF5T (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)



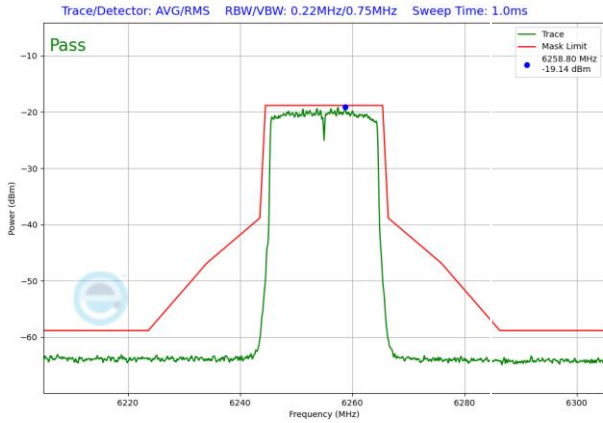
Plot 7-1828. VLP In-Band Emission Plot SDM Antenna WF5T (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)



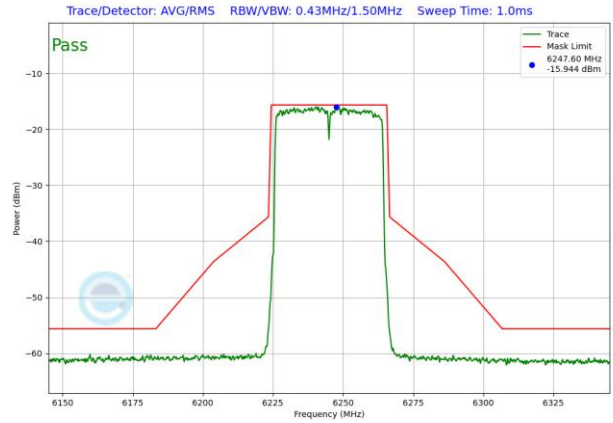
Plot 7-1831. VLP In-Band Emission Plot SDM Antenna 3b (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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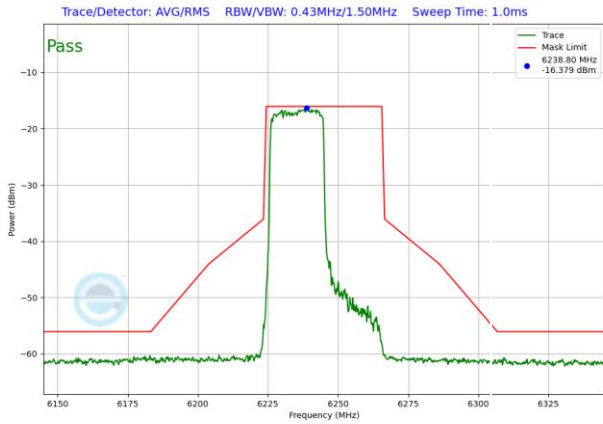
7.5.15 SDM Diversity VLP In-Band Emission Measurements



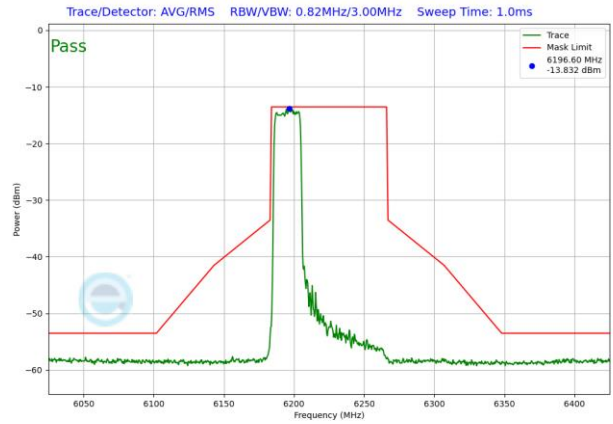
Plot 7-1832. VLP In-Band Emission Plot SDM Diversity Antenna 1b (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 61)



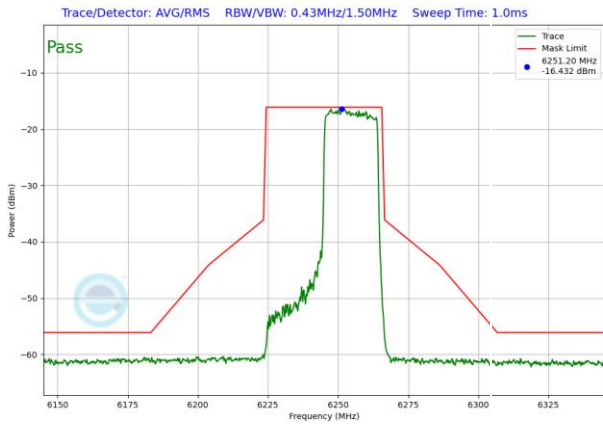
Plot 7-1835. VLP In-Band Emission Plot SDM Diversity Antenna 1b (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 59)



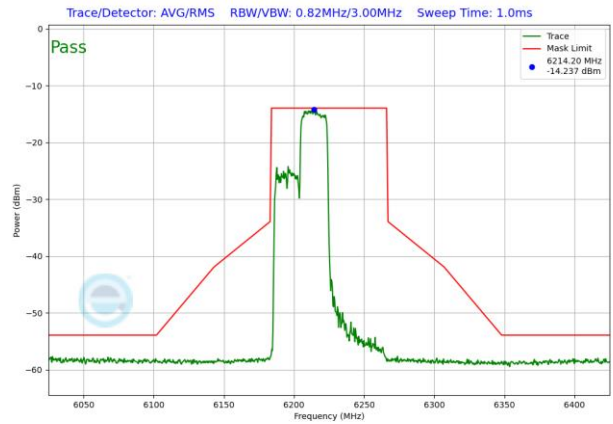
Plot 7-1833. VLP In-Band Emission Plot SDM Diversity Antenna 1b (40MHz 802.11ax RU242 (UNII Band 5) – Ch. 59)



Plot 7-1836. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU242 (UNII Band 5) – Ch. 55)

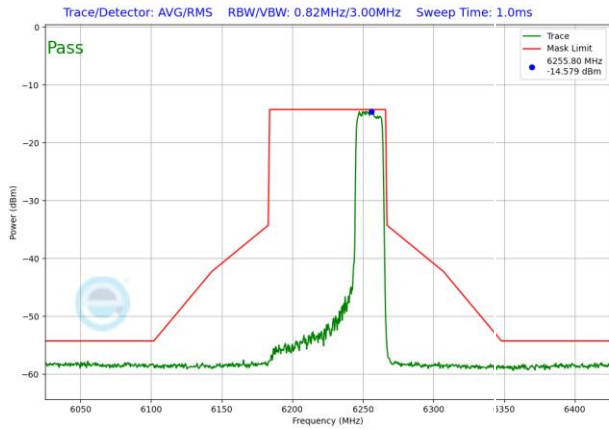


Plot 7-1834. VLP In-Band Emission Plot SDM Diversity Antenna 1b (40MHz 802.11ax RU242 (UNII Band 5) – Ch. 59)

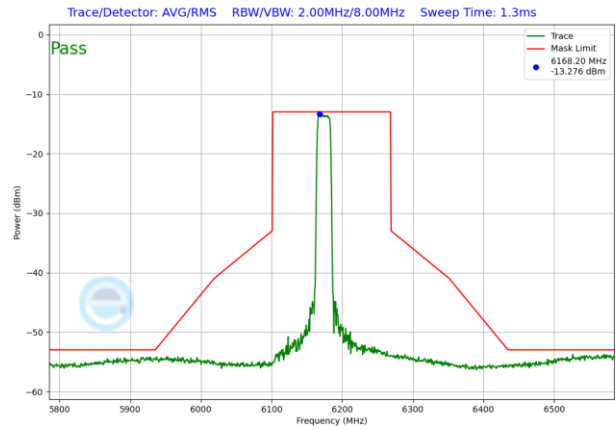


Plot 7-1837. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU242 (UNII Band 5) – Ch. 55)

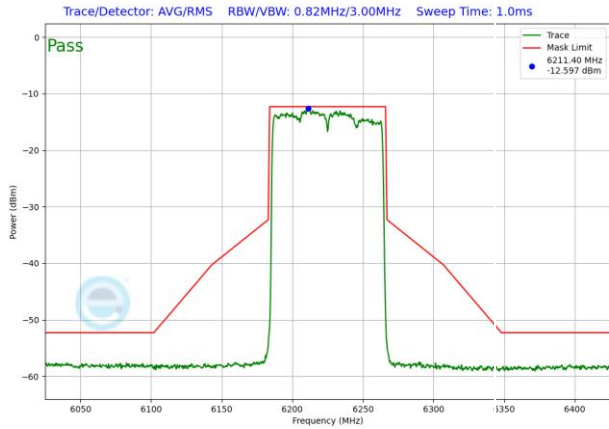
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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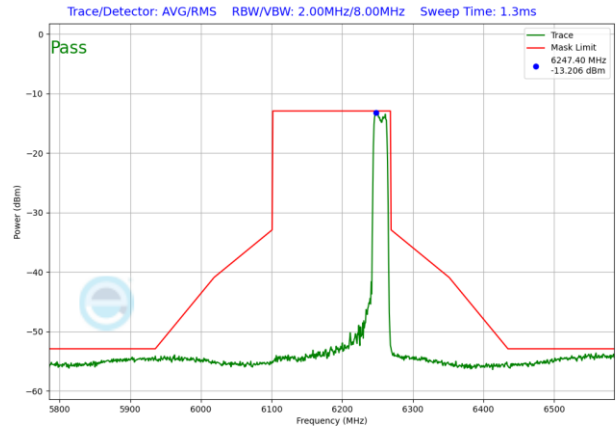
Plot 7-1838. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU242 (UNII Band 5) – Ch. 55)



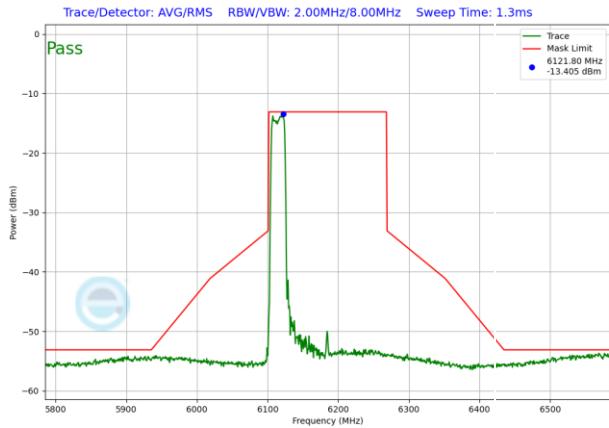
Plot 7-1841. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU242 (UNII Band 5) – Ch. 47)



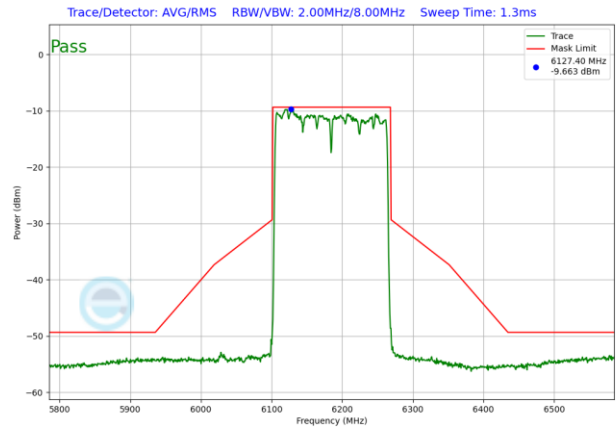
Plot 7-1839. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 55)




Plot 7-1842. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU242 (UNII Band 5) – Ch. 47)

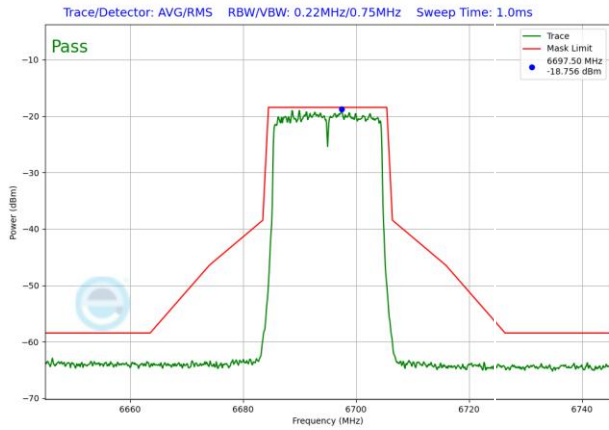


Plot 7-1840. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU242 (UNII Band 5) – Ch. 47)

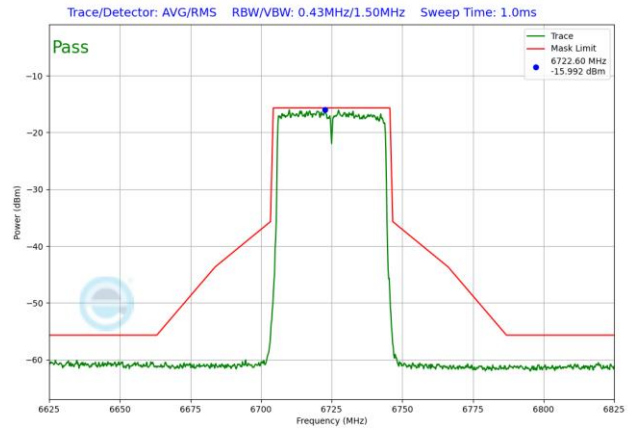


Plot 7-1843. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 47)

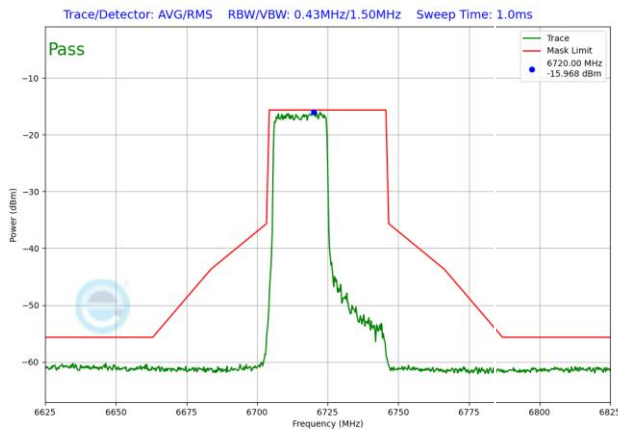
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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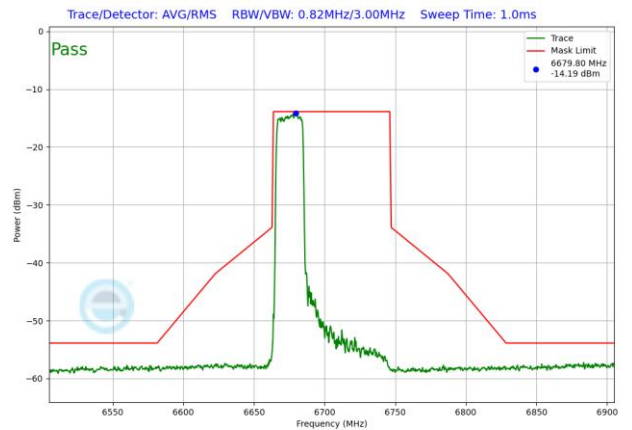
Plot 7-1844. VLP In-Band Emission Plot SDM Diversity Antenna 1b (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)



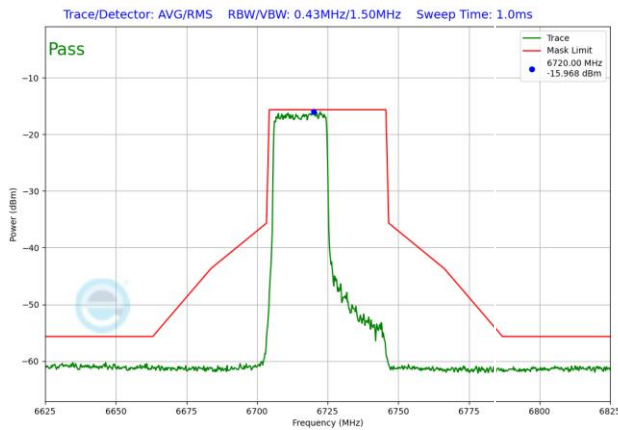
Plot 7-1847. VLP In-Band Emission Plot SDM Diversity Antenna 1b (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



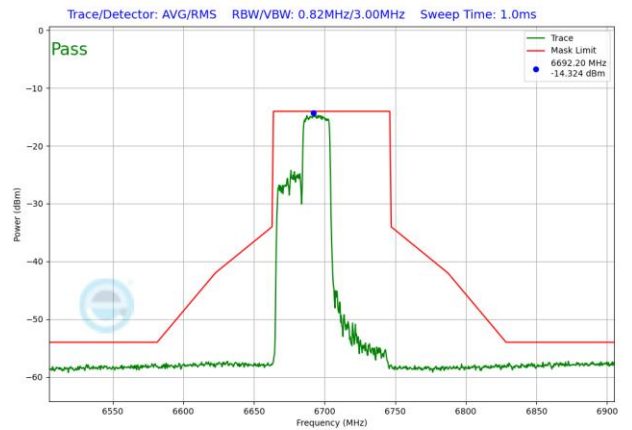
Plot 7-1845. VLP In-Band Emission Plot SDM Diversity Antenna 1b (40MHz 802.11ax RU242 (UNII Band 7) – Ch. 155)




Plot 7-1848. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)

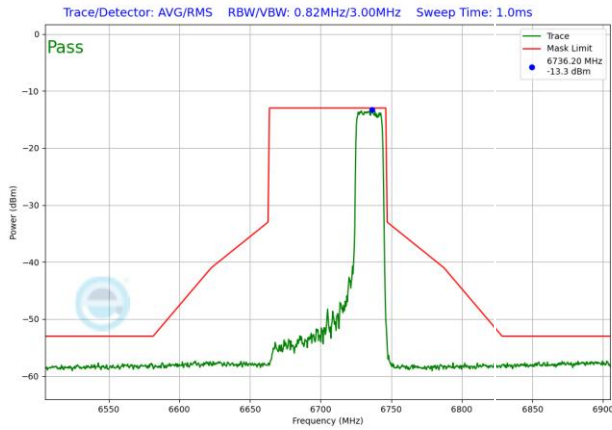


Plot 7-1846. VLP In-Band Emission Plot SDM Diversity Antenna 1b (40MHz 802.11ax RU242 (UNII Band 7) – Ch. 155)

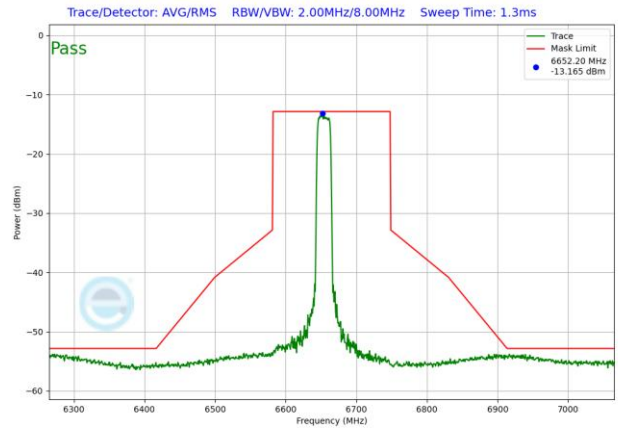


Plot 7-1849. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)

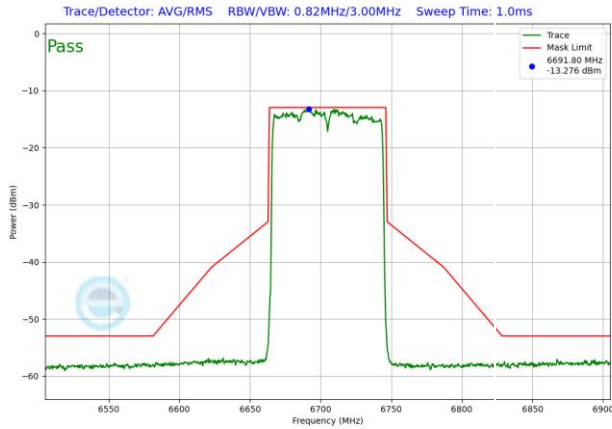
FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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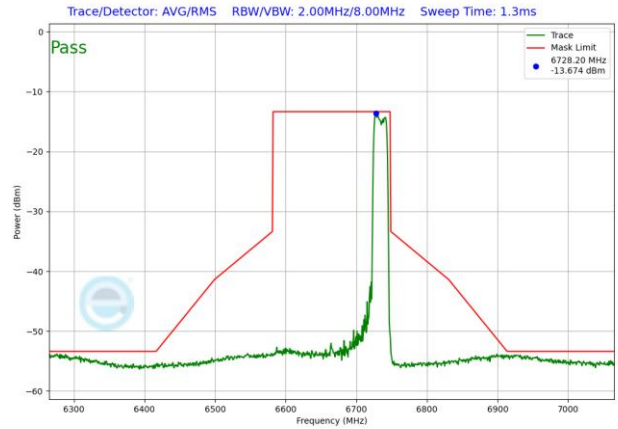
Plot 7-1850. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU242 (UNII Band 7) – Ch. 151)



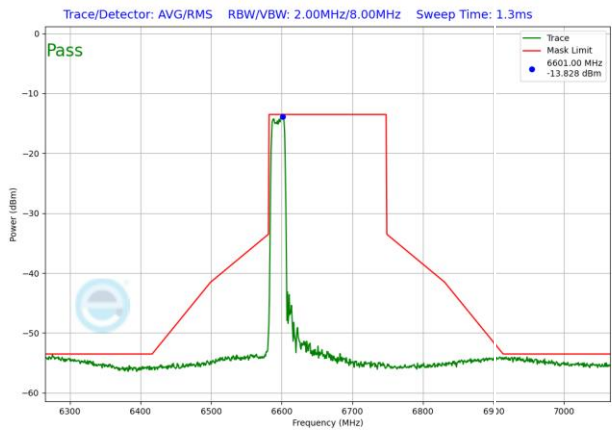
Plot 7-1853. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)



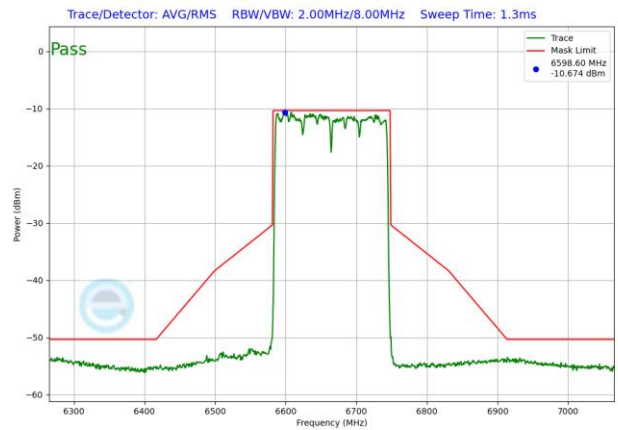
Plot 7-1851. VLP In-Band Emission Plot SDM Diversity Antenna 1b (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)



Plot 7-1854. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)



Plot 7-1852. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU242 (UNII Band 7) – Ch. 143)



Plot 7-1855. VLP In-Band Emission Plot SDM Diversity Antenna 1b (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

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7.6 Contention Based Protocol

§15.407(d)(6)

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

KDB 987594 D02 v02

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.
7. 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.
9. 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

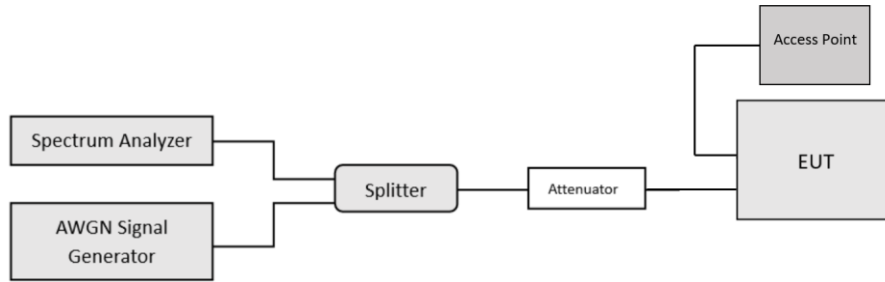



Figure 2. Contention-based protocol, Conducted Setup

Test Notes

1. Per guidance from KDB 987594 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.
2. 15 trials were ran in order to assure that at least 90% of certainty was met.
3. Per Guidance from KDB 987594 D04 v02, contention based protocol was tested with receiver with the lowest antenna gain.
4. The EUT does not support channel puncturing.

$$\text{Detection Level} = \text{Injected AWGN Power (dBm)} - \text{Antenna Gain (dBi)} + \text{Path Loss (dB)}$$

Equation 7-1. Incumbent Detection Level Calculation


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Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-71.04	-1.10	-69.94	-62.0	-7.94
				6110	-68.25	-1.10	-67.15	-62.0	-5.15
	47	6185	160	6185	-67.26	-1.10	-66.16	-62.0	-4.16
				6260	-64.80	-1.10	-63.70	-62.0	-1.70
UNII Band 6	101	6455	20	6455	-73.26	-1.10	-72.16	-62.0	-10.16
				6430	-70.31	-1.10	-69.21	-62.0	-7.21
	111	6505	160	6505	-70.45	-1.10	-69.35	-62.0	-7.35
				6580	-67.50	-1.10	-66.40	-62.0	-4.40
UNII Band 7	149	6695	20	6695	-71.36	-1.10	-70.26	-62.0	-8.26
				6590	-68.35	-1.10	-67.25	-62.0	-5.25
	143	6665	160	6665	-67.16	-1.10	-66.06	-62.0	-4.06
				6740	-70.40	-1.10	-69.30	-62.0	-7.30
UNII Band 8	197	6935	20	6935	-75.86	-1.10	-74.76	-62.0	-12.76
				6910	-71.35	-1.10	-70.25	-62.0	-8.25
	207	6985	160	6985	-70.45	-1.10	-69.35	-62.0	-7.35
				7060	-67.35	-1.10	-66.25	-62.0	-4.25

Table 7-229. Contention Based Protocol LPI – Incumbent Detection Results

Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	EUT Transmission Status		
					Adjusted AWGN Power (dBm)		
					Normal	Minimal	Ceased
UNII Band 5	53	6215	20	6215	-81.12	-71.19	-69.94
				6110	-78.33	-68.40	-67.15
	47	6185	160	6185	-77.34	-67.41	-66.16
				6260	-74.88	-64.95	-63.70
UNII Band 6	101	6455	20	6455	-83.34	-73.41	-72.16
				6430	-80.39	-70.46	-69.21
	111	6505	160	6505	-80.53	-70.60	-69.35
				6580	-77.58	-67.65	-66.40
UNII Band 7	149	6695	20	6695	-81.24	-71.48	-70.26
				6750	-78.23	-68.47	-67.25
	143	6665	160	6825	-77.04	-67.28	-66.06
				6900	-80.28	-70.52	-69.30
UNII Band 8	197	6935	20	6935	-85.74	-75.98	-74.76
				6910	-81.23	-71.47	-70.25
	207	6985	160	6985	-80.33	-70.57	-69.35
				7060	-77.23	-67.47	-66.25

Table 7-230. Contention Based Protocol LPI – Detection Results – All Tx Cases

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 466 of 693

CBP Detection (1 = Detection, Blank = No Detection)																						
Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate [%]	Limit [%]	Pass/Fail	
UNII Band 5	53	6215	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass	
	47	6185	160	1	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	1	100.0	90	Pass	
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
UNII Band 6	101	6455	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass	
	111	6505	160	1	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	1	100.0	90	Pass	
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
UNII Band 7	149	6695	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass	
	175	6665	160	1	1	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	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
UNII Band 8	197	6935	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass	
	207	6985	160	1	1	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	1	1	1	100.0	90


Table 7-231. Contention Based Protocol LPI – Incumbent Detection Trial Results

Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-67.93	-1.10	-66.83	-62.0	-4.83
	47	6185	160	6110	-67.82	-1.10	-66.72	-62.0	-4.72
				6185	-66.77	-1.10	-65.67	-62.0	-3.67
				6260	-66.91	-1.10	-65.81	-62.0	-3.81
UNII Band 7	149	6695	20	6695	-66.42	-1.10	-65.32	-62.0	-3.32
	143	6665	160	6590	-66.72	-1.10	-65.62	-62.0	-3.62
				6665	-66.41	-1.10	-65.31	-62.0	-3.31
				6740	-66.76	-1.10	-65.66	-62.0	-3.66

Table 7-232. Contention Based Protocol VLP – Incumbent Detection Results


Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	EUT Transmission Status		
					Adjusted AWGN Power (dBm)		
					Normal	Minimal	Ceased
UNII Band 5	53	6215	20	6215	-78.01	-68.08	-66.83
	47	6185	160	6110	-77.90	-67.97	-66.72
				6185	-76.85	-66.92	-65.67
				6260	-76.99	-67.06	-65.81
UNII Band 7	149	6695	20	6695	-76.30	-66.54	-65.32
	175	6665	160	6750	-76.60	-66.84	-65.62
				6825	-76.29	-66.53	-65.31
				6900	-76.64	-66.88	-65.66

Table 7-233. Contention Based Protocol VLP – Detection Results – All Tx Cases

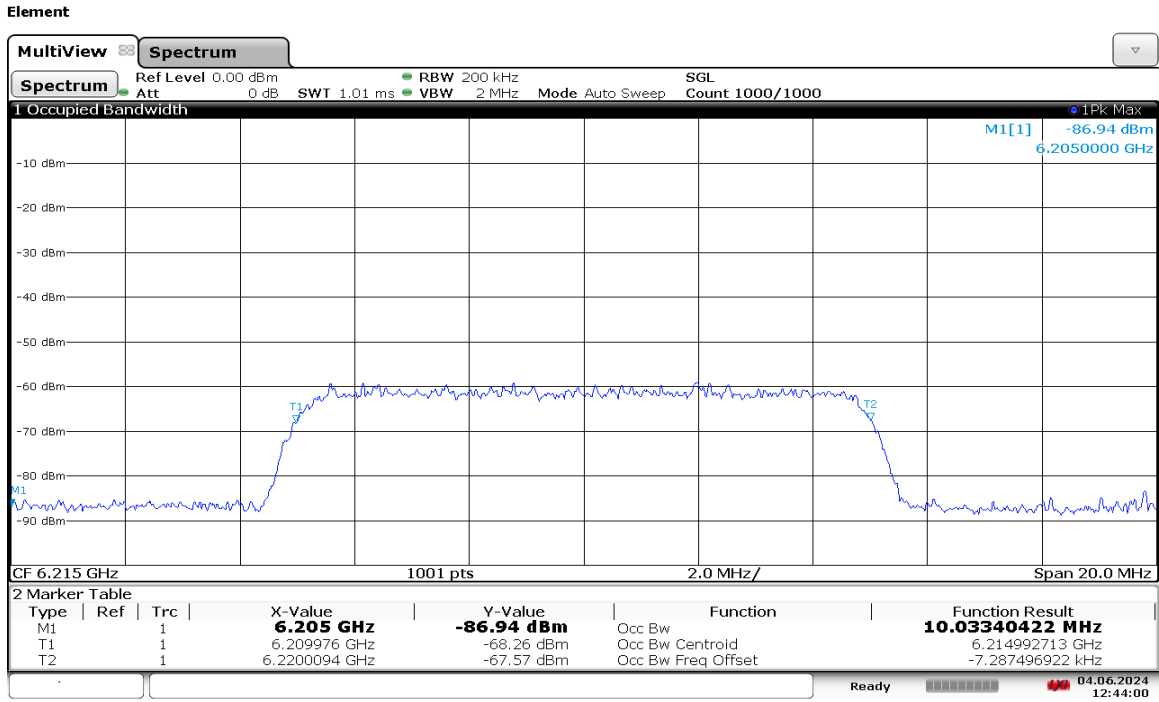
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 467 of 693

CBP Detection (1 = Detection, Blank = No Detection)																						
Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate [%]	Limit [%]	Pass/Fail	
UNII Band 5	53	6215	20	1	1	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	1	1	1	100.0	90
	47	6185	160	1	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	1	1	1	100.0	90
UNII Band 7	149	6695	20	1	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	1	1	100.0	90	Pass
	175	6665	160	1	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	1	1	100.0	90	Pass

Table 7-234. Contention Based Protocol VLP – Incumbent Detection Trial Results

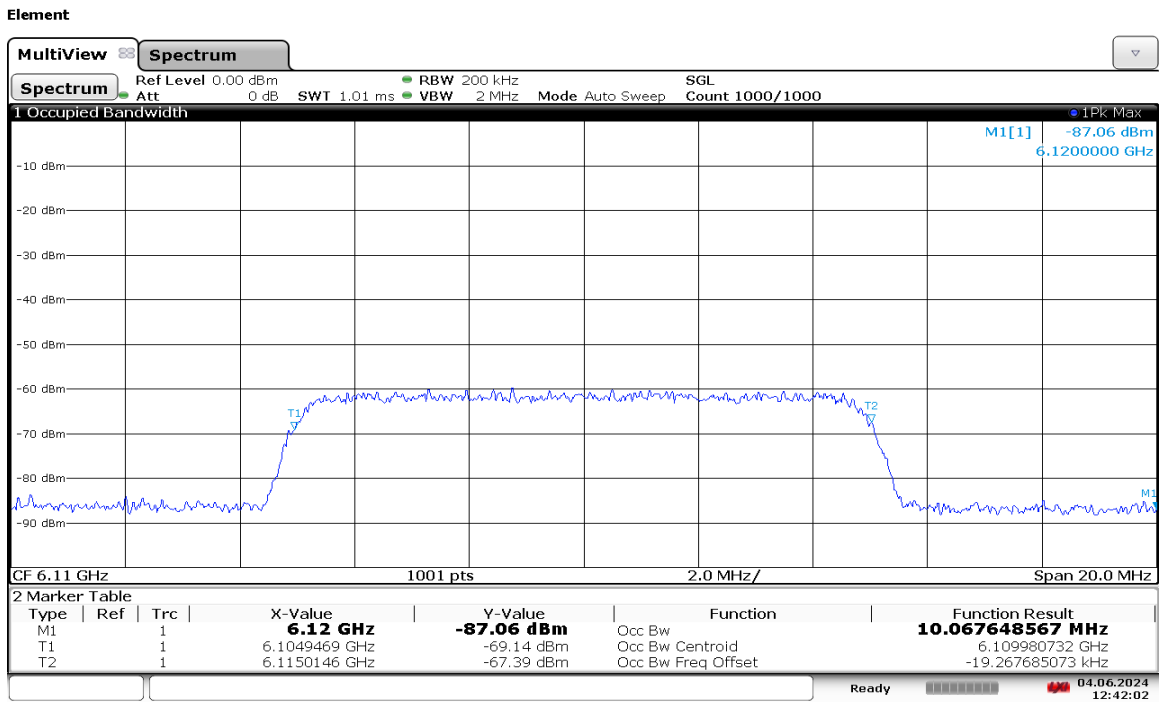
FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device
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AWGN Plots



12:44:00 04.06.2024

Plot 7-1856. AWGN Signal – UNII 5 – 20MHz



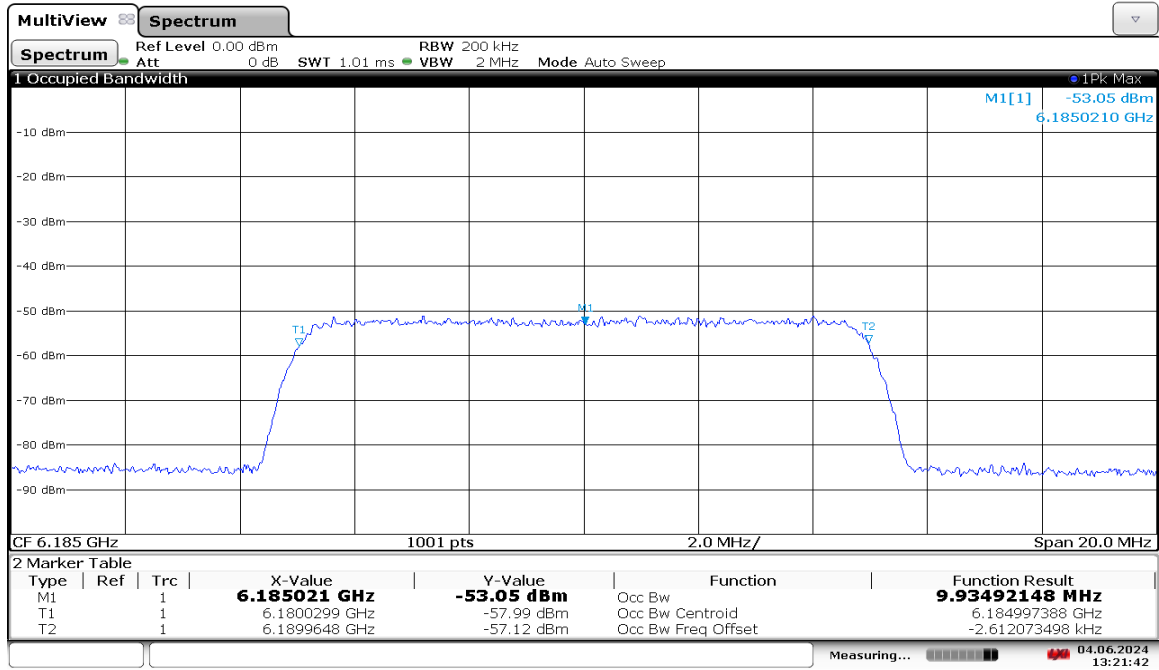
12:42:02 04.06.2024

Plot 7-1857. AWGN Signal – UNII 5 – 160MHz - Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 469 of 693

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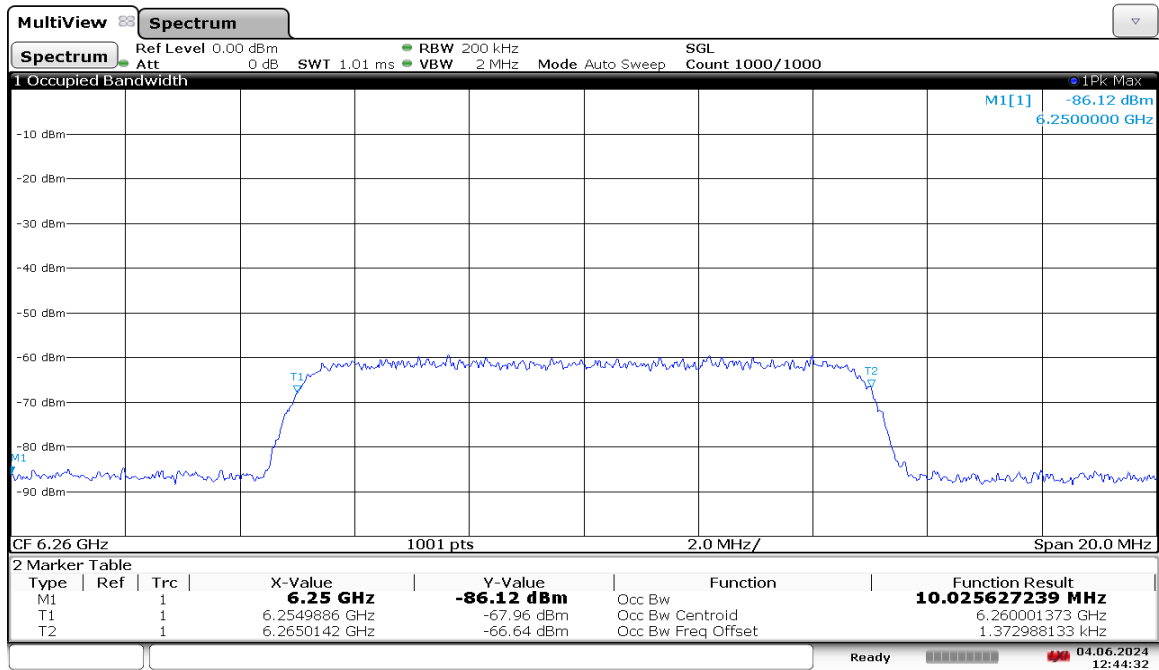
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13:21:42 04.06.2024

Plot 7-1858. AWGN Signal – UNII 5 – 160MHz – Mid

Element



12:44:32 04.06.2024

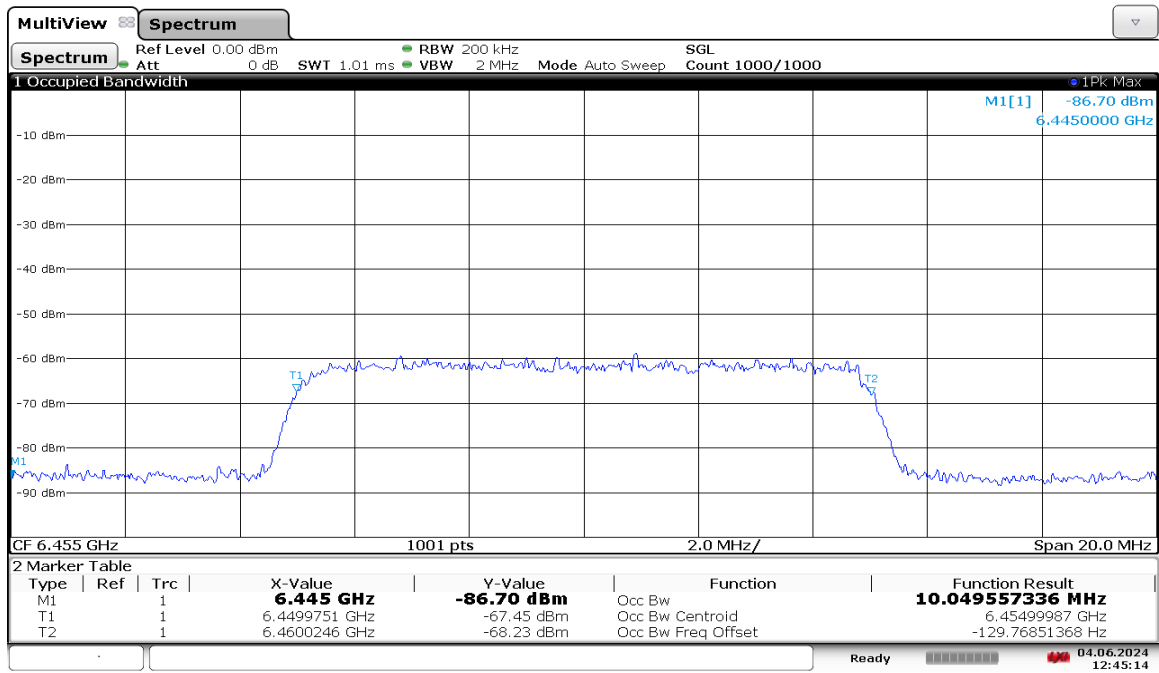
Plot 7-1859. AWGN Signal – UNII 5 – 160MHz - High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 470 of 693

V 10.6 10/27/2023

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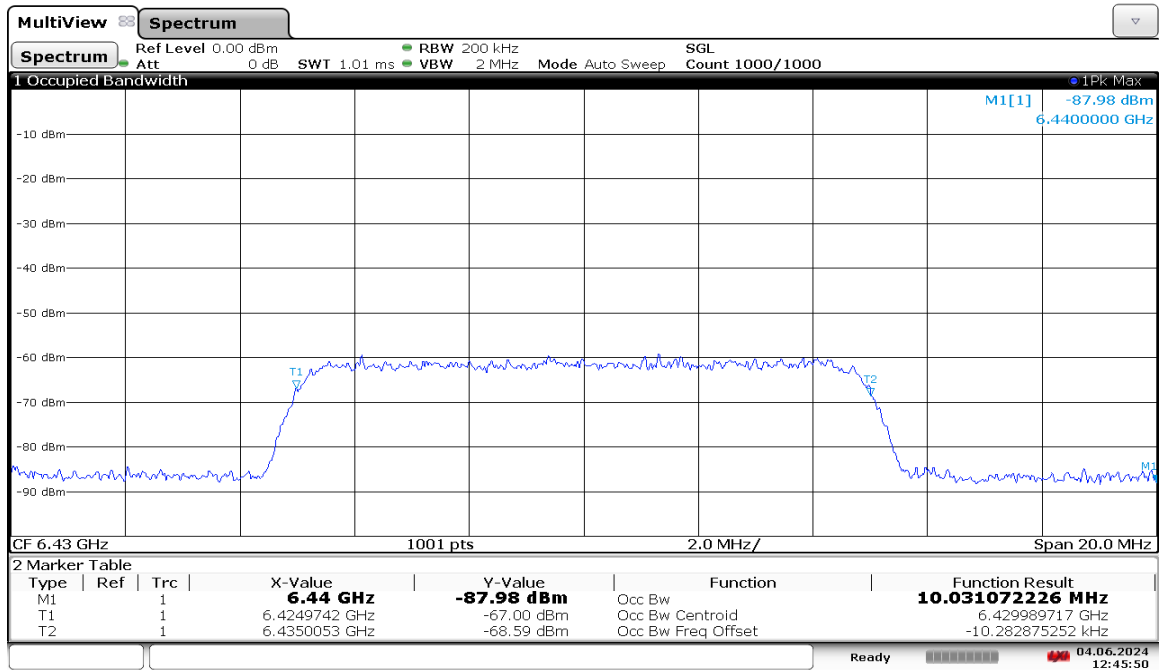
Element



12:45:14 04.06.2024

Plot 7-1860. AWGN Signal – UNII 6 – 20MHz

Element



12:45:50 04.06.2024

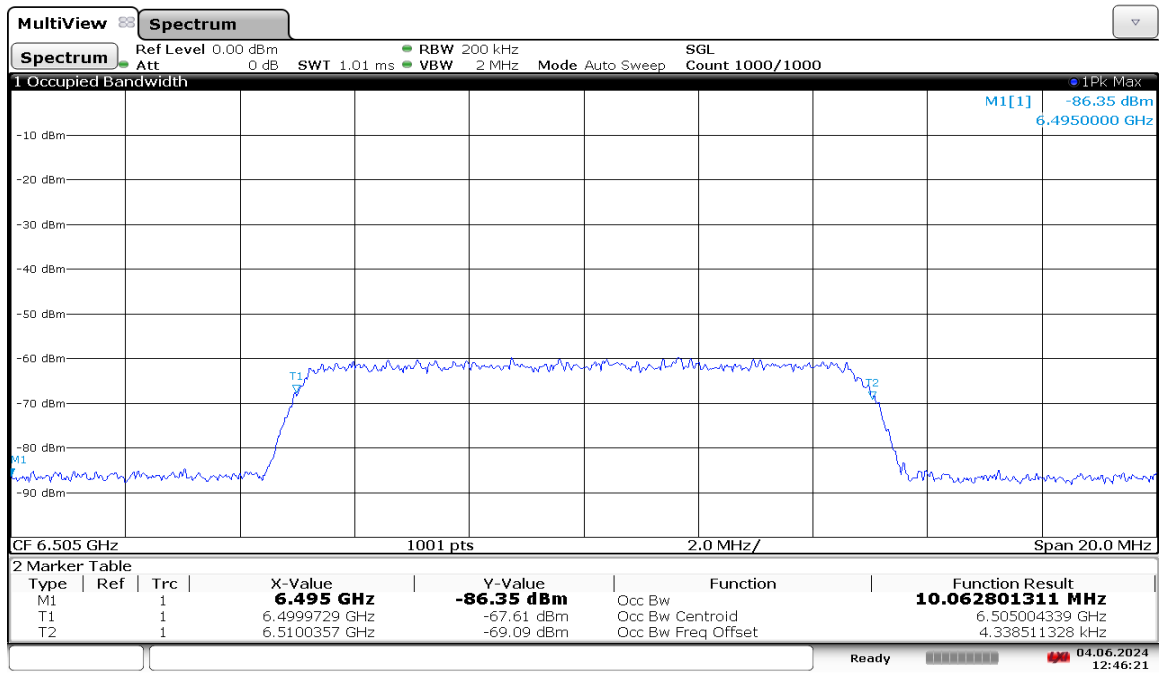
Plot 7-1861. AWGN Signal – UNII 6 – 160MHz - Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 471 of 693

V 10.6 10/27/2023

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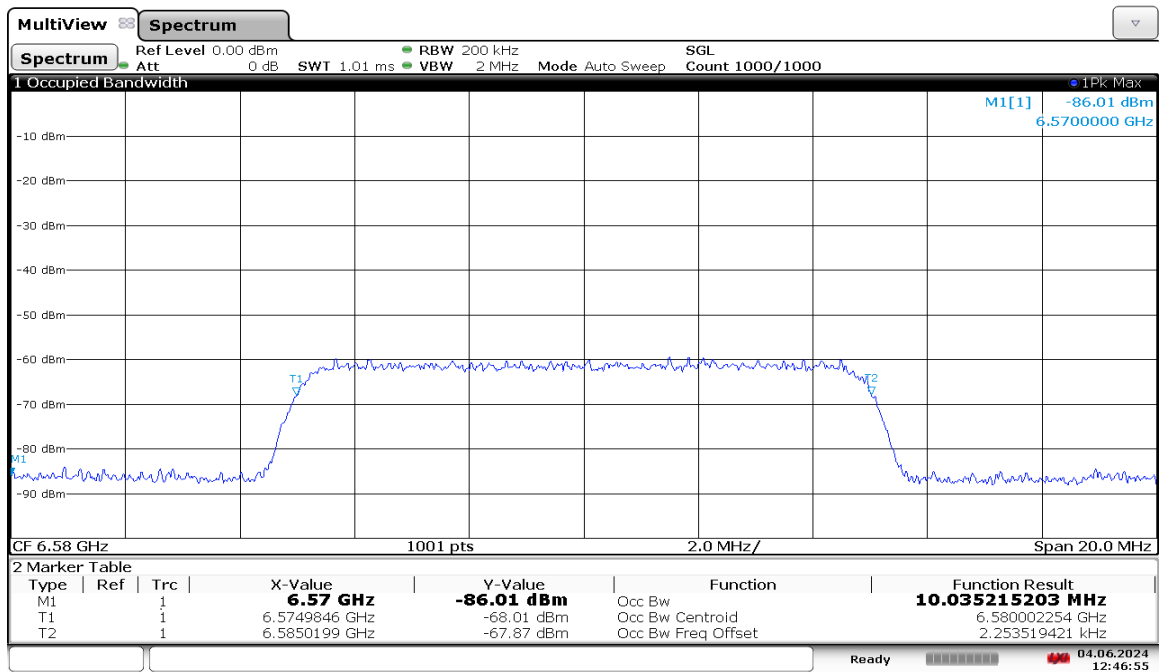
Element



12:46:21 04.06.2024

Plot 7-1862. AWGN Signal – UNII 6 – 160MHz – Mid

Element



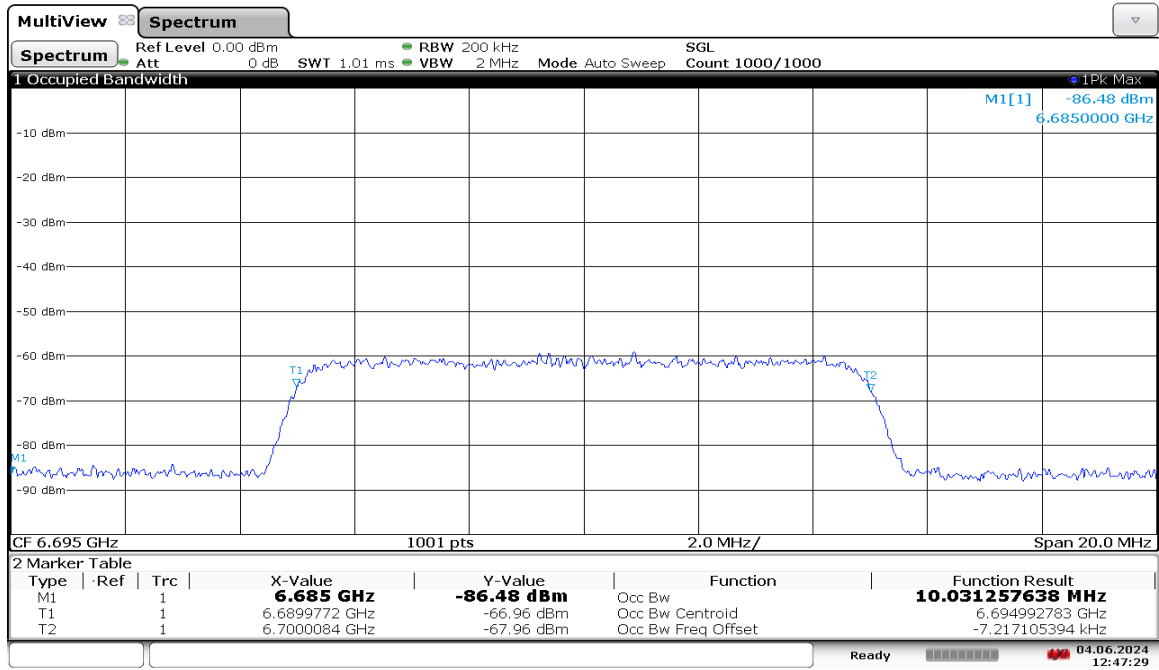
12:46:56 04.06.2024

Plot 7-1863. AWGN Signal – UNII 6 – 160MHz - High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 472 of 693

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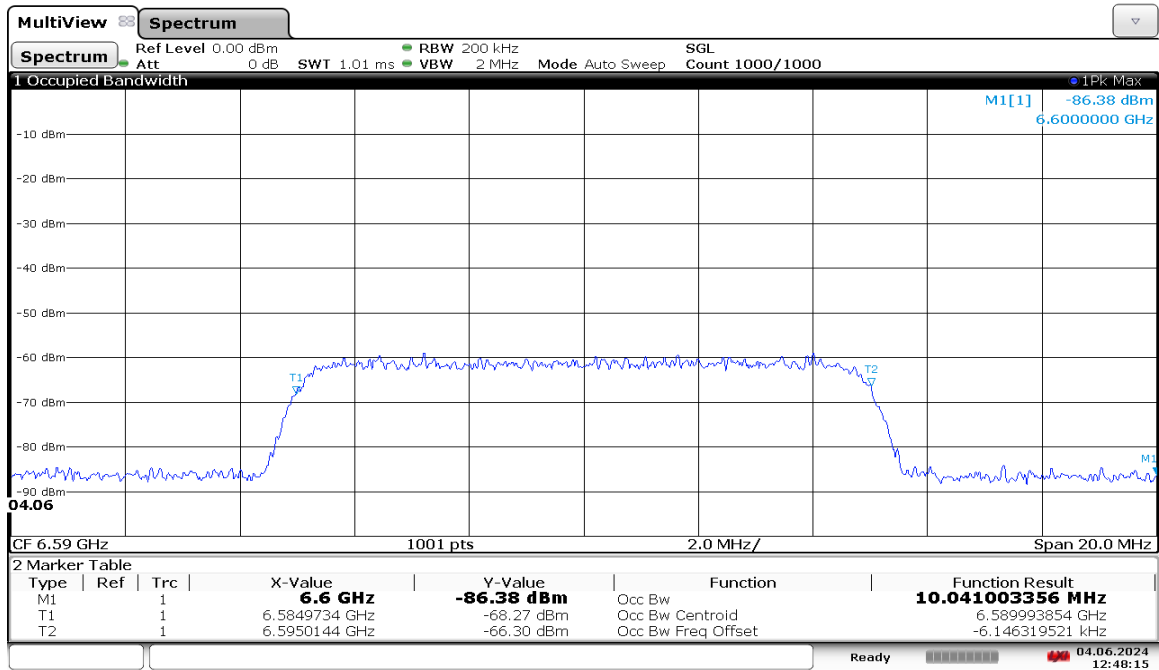
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12:47:29 04.06.2024

Plot 7-1864. AWGN Signal – UNII 7 – 20MHz

Element



12:48:16 04.06.2024

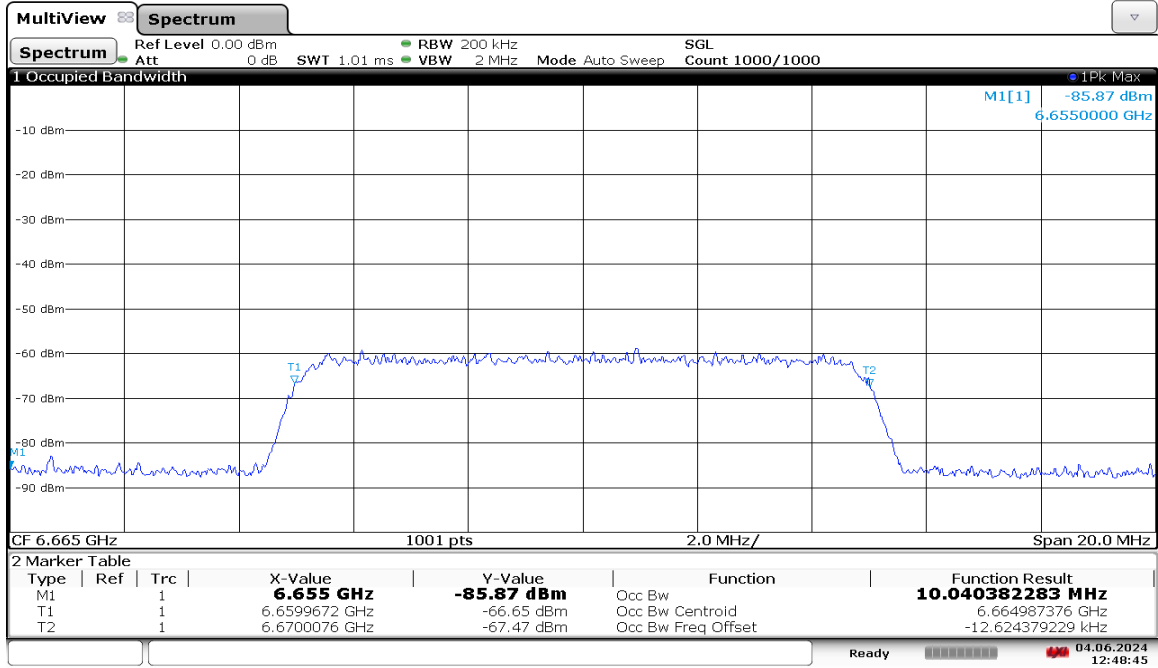
Plot 7-1865. AWGN Signal – UNII 7 – 160MHz - Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 473 of 693

V 10.6 10/27/2023

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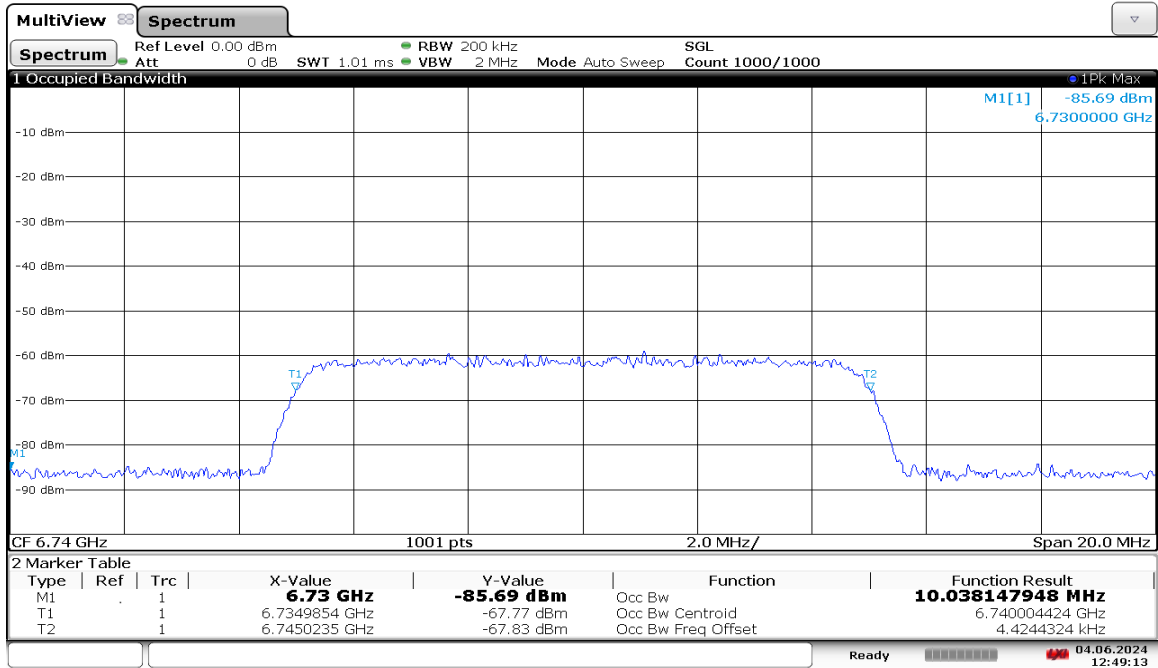
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12:48:45 04.06.2024

Plot 7-1866. AWGN Signal – UNII 7 – 160MHz – Mid

Element



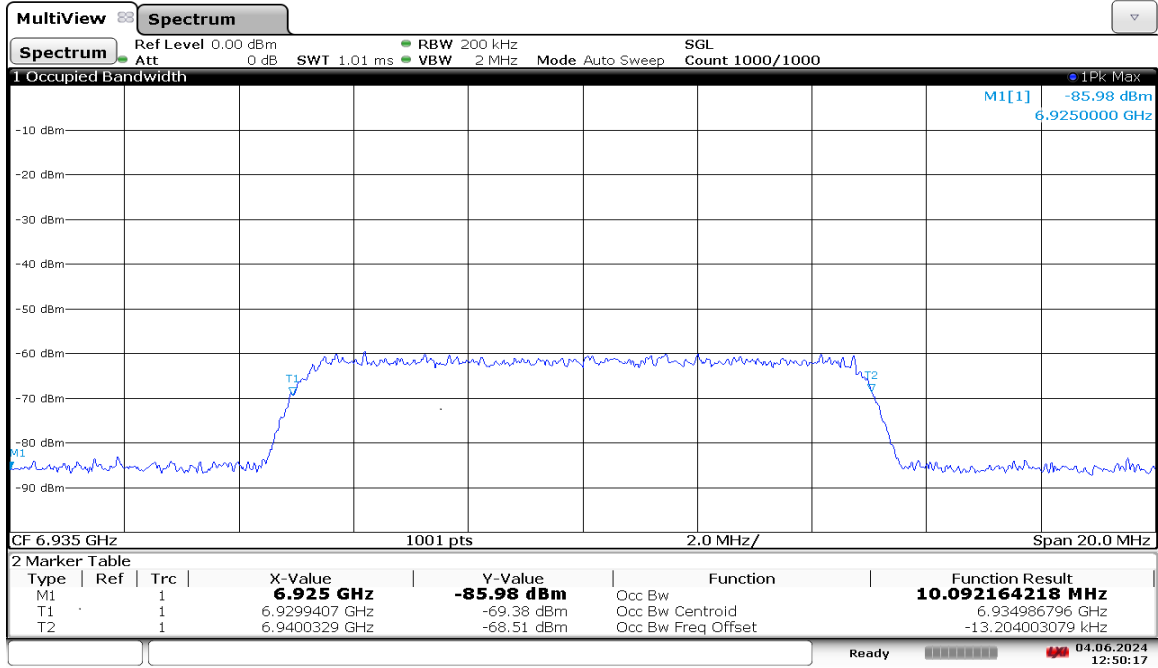
12:49:14 04.06.2024

Plot 7-1867. AWGN Signal – UNII 7 – 160MHz - High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 474 of 693

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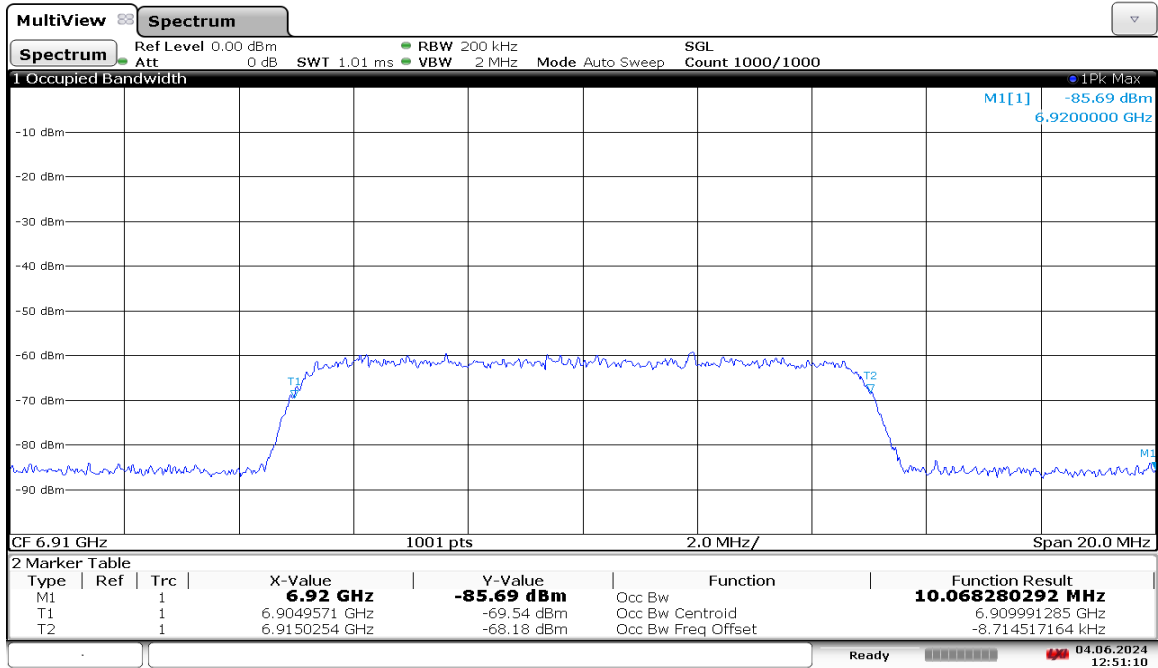
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12:50:18 04.06.2024

Plot 7-1868. AWGN Signal – UNII 8 – 20MHz

Element



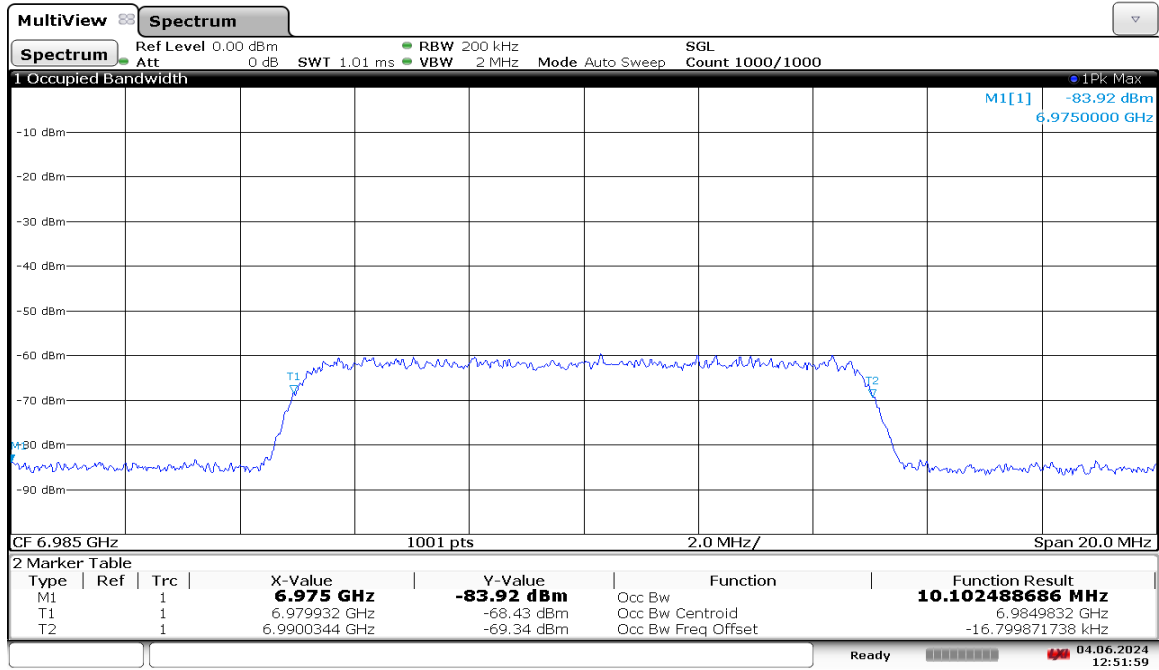
12:51:11 04.06.2024

Plot 7-1869. AWGN Signal – UNII 8 – 160MHz - Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 475 of 693

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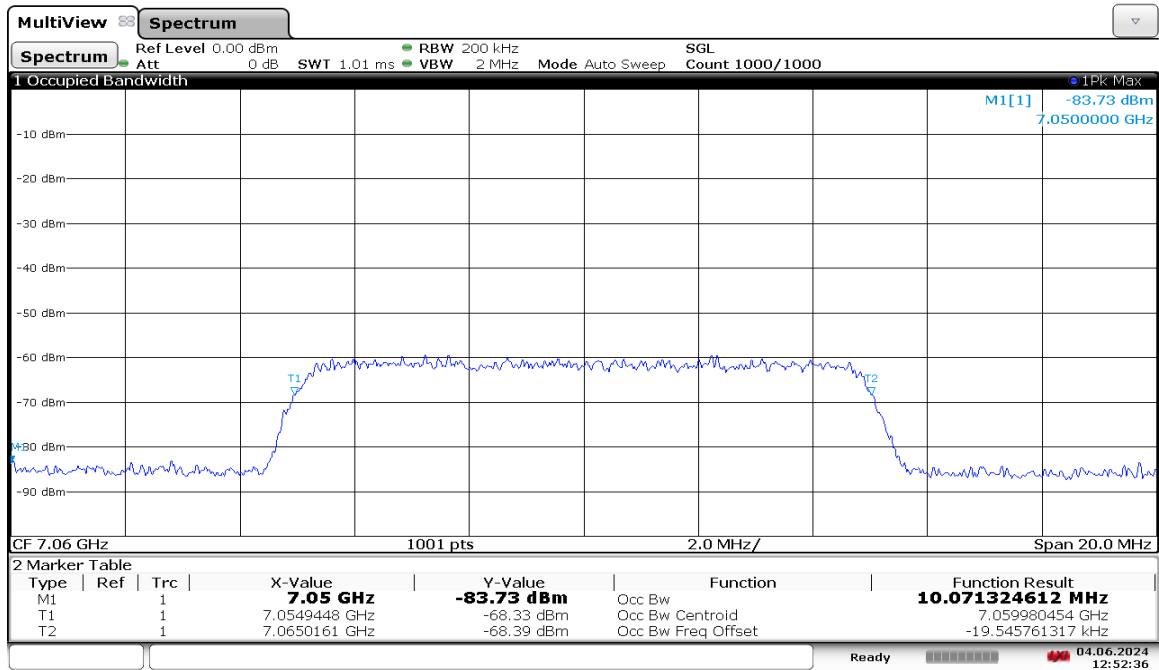
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12:52:00 04.06.2024

Plot 7-1870. AWGN Signal – UNII 8 – 160MHz – Mid

Element



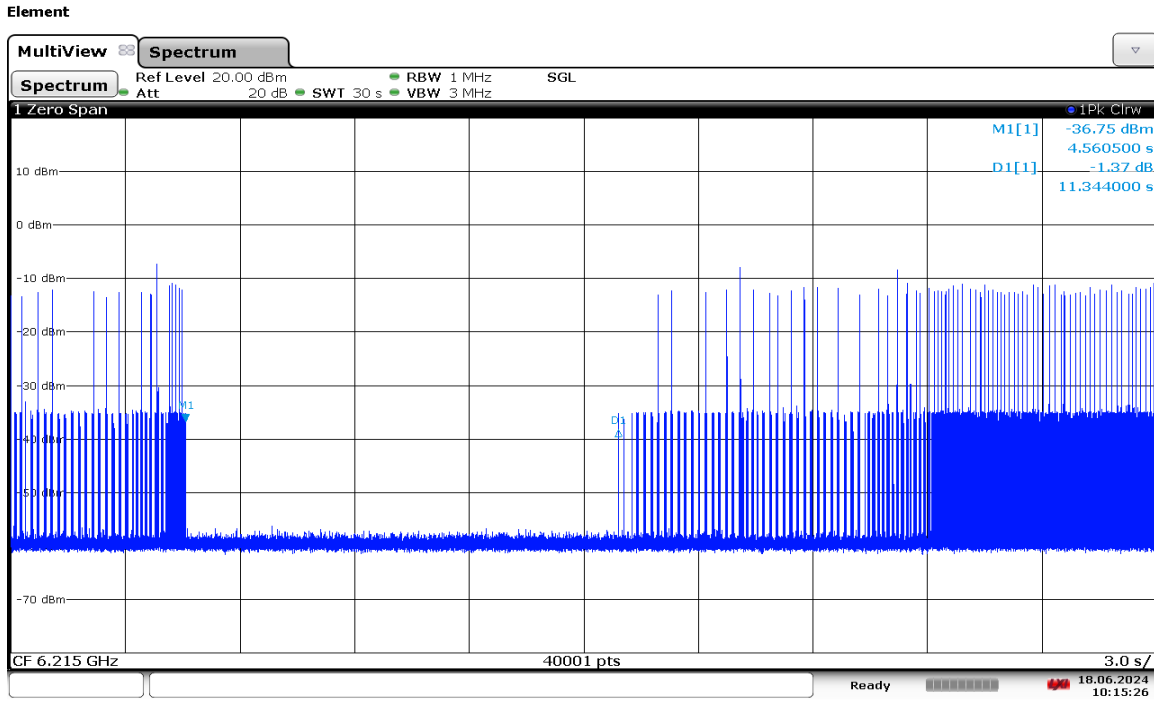
12:52:36 04.06.2024

Plot 7-1871. AWGN Signal – UNII 8 – 160MHz – High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 476 of 693

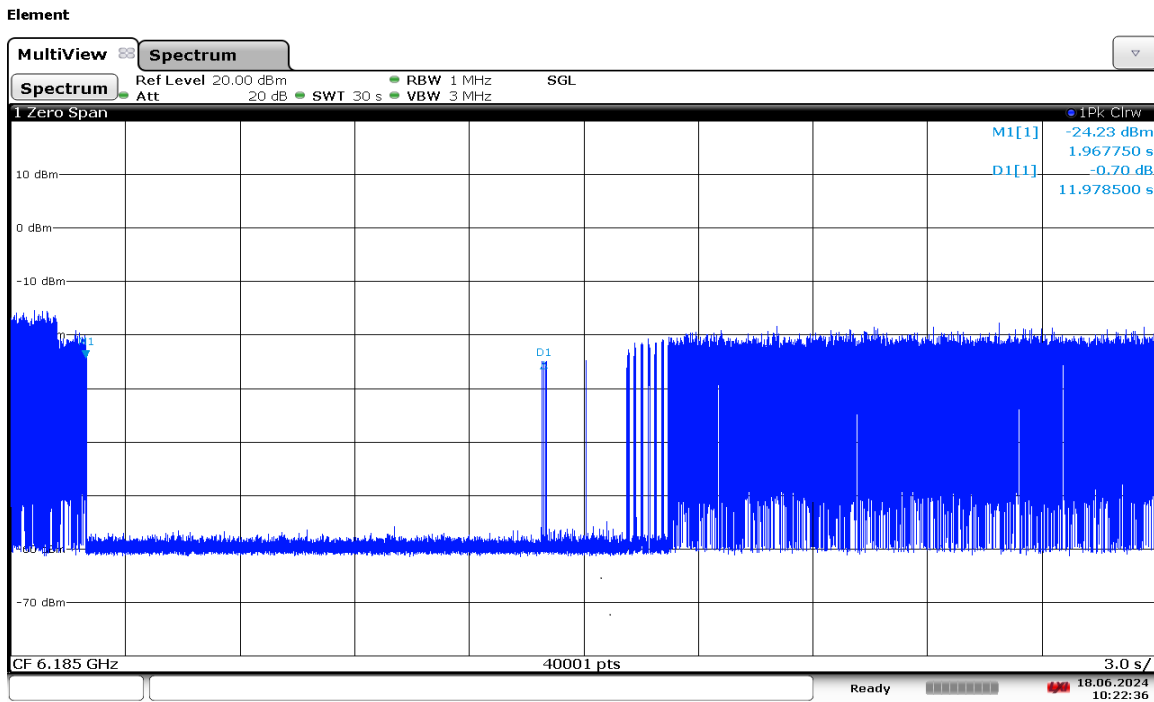
V 10.6 10/27/2023

Contention-Based Protocol Timing Plots



10:15:26 18.06.2024

Plot 7-1872. LPI Contention Based Protocol Timing Plot – UNII 5 – 20MHz Channel 53



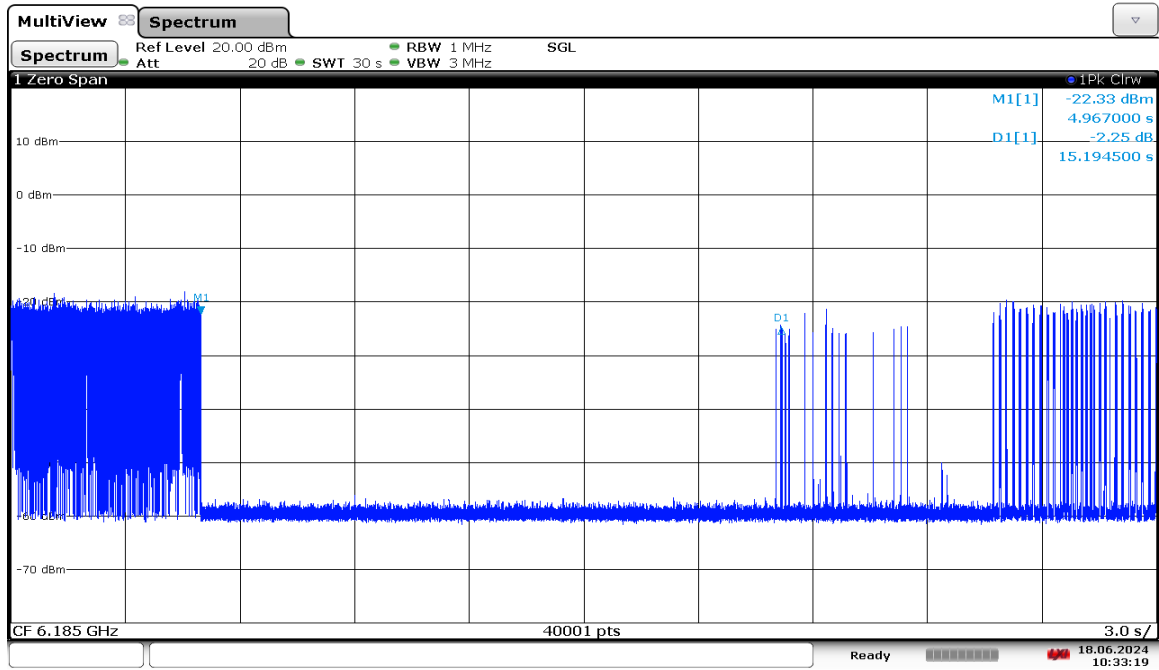
10:22:36 18.06.2024

Plot 7-1873. LPI Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 477 of 693

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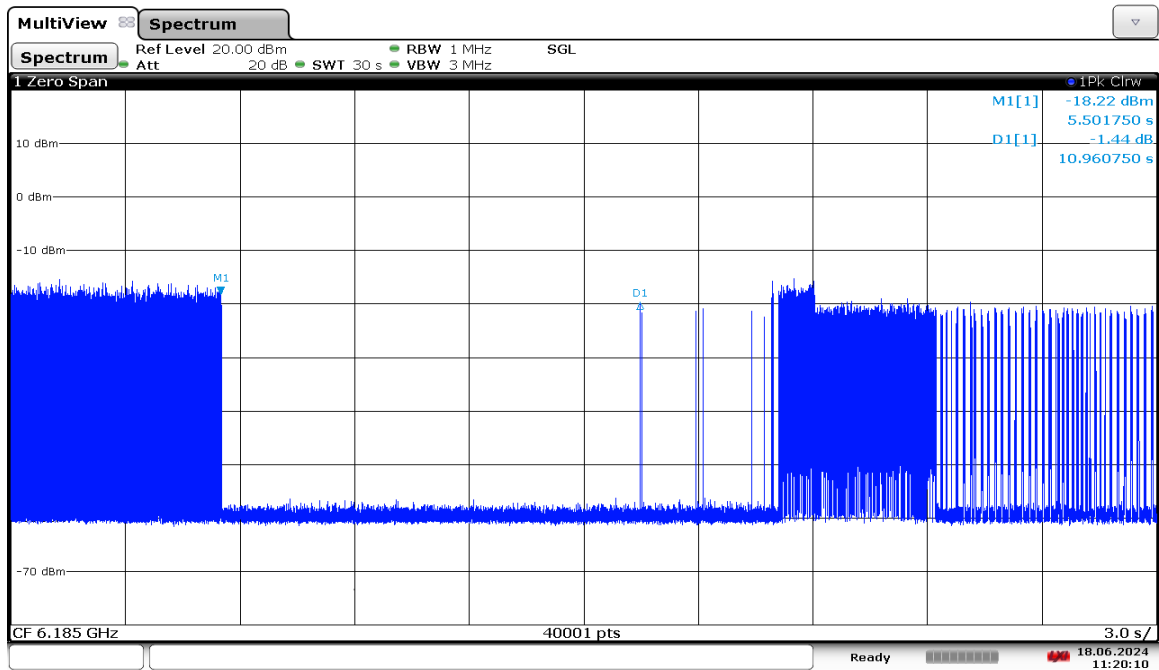
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10:33:20 18.06.2024

Plot 7-1874. LPI Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Mid

Element



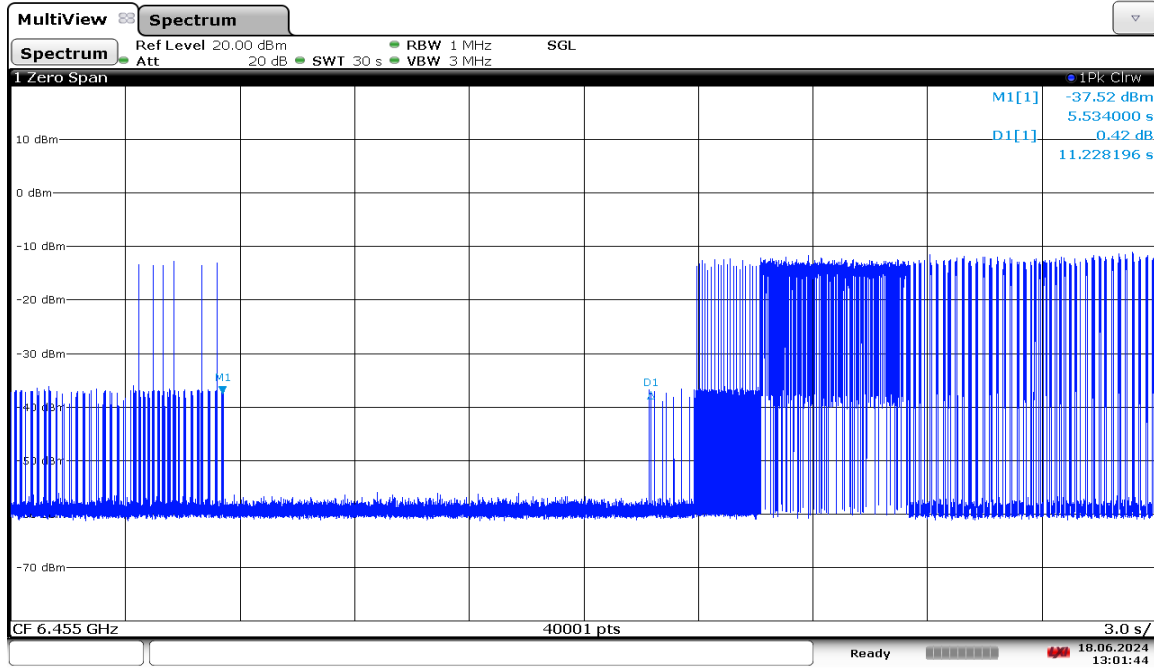
11:20:10 18.06.2024

Plot 7-1875. LPI Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 478 of 693

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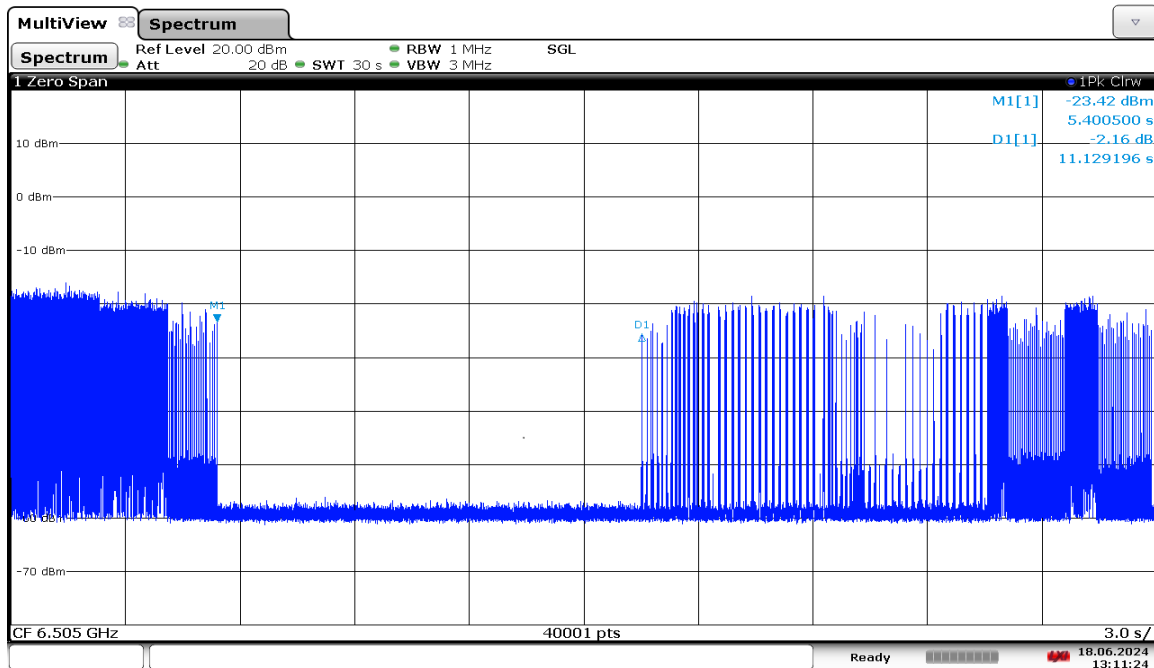
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13:01:44 18.06.2024

Plot 7-1876. LPI Contention Based Protocol Timing Plot – UNII 6 – 20MHz Channel 101

Element



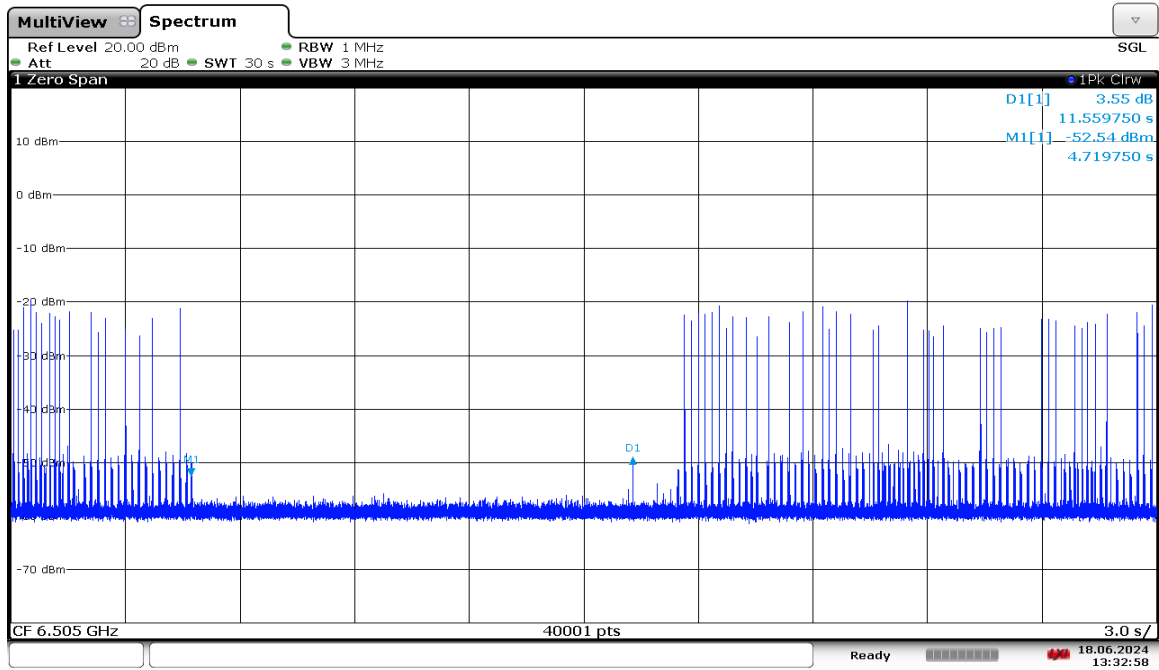
13:11:25 18.06.2024

Plot 7-1877. LPI Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 479 of 693

V 10.6 10/27/2023

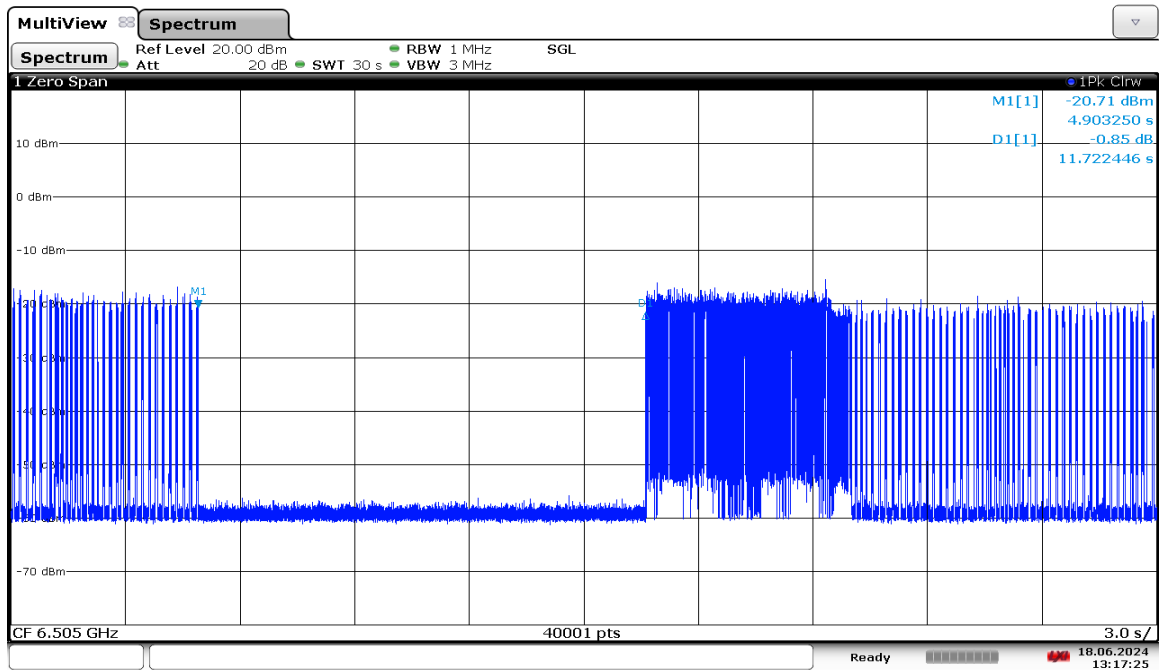
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13:32:58 18.06.2024

Plot 7-1878. LPI Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Mid

Element

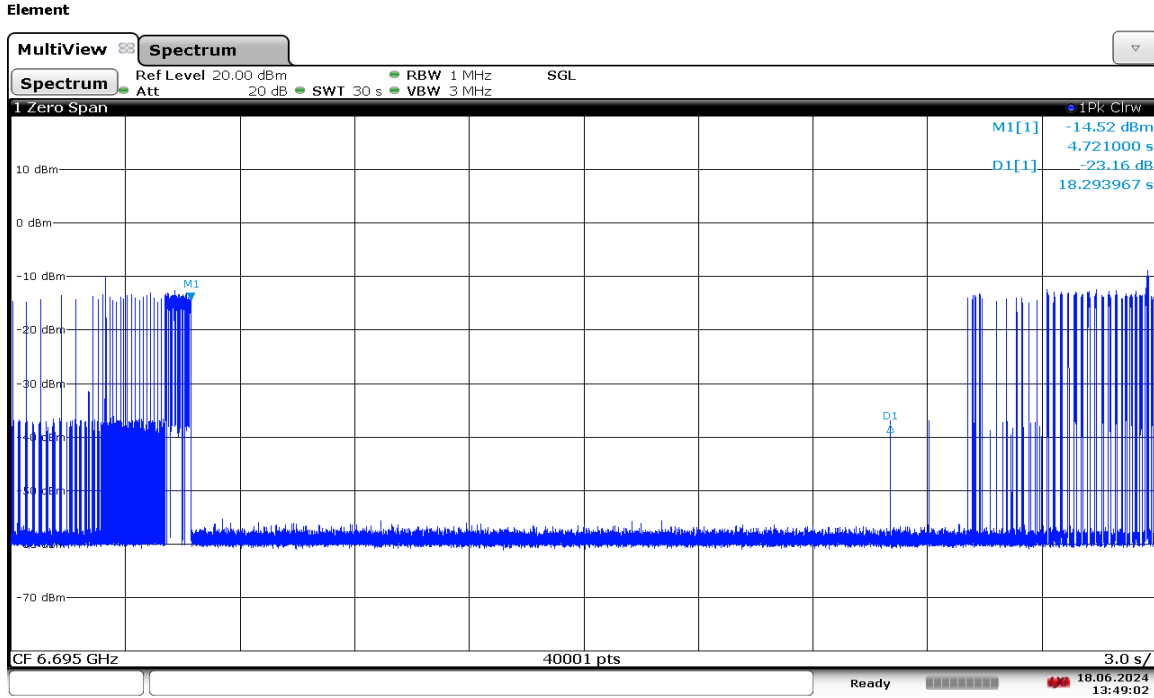


13:17:26 18.06.2024

Plot 7-1879. LPI Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – High

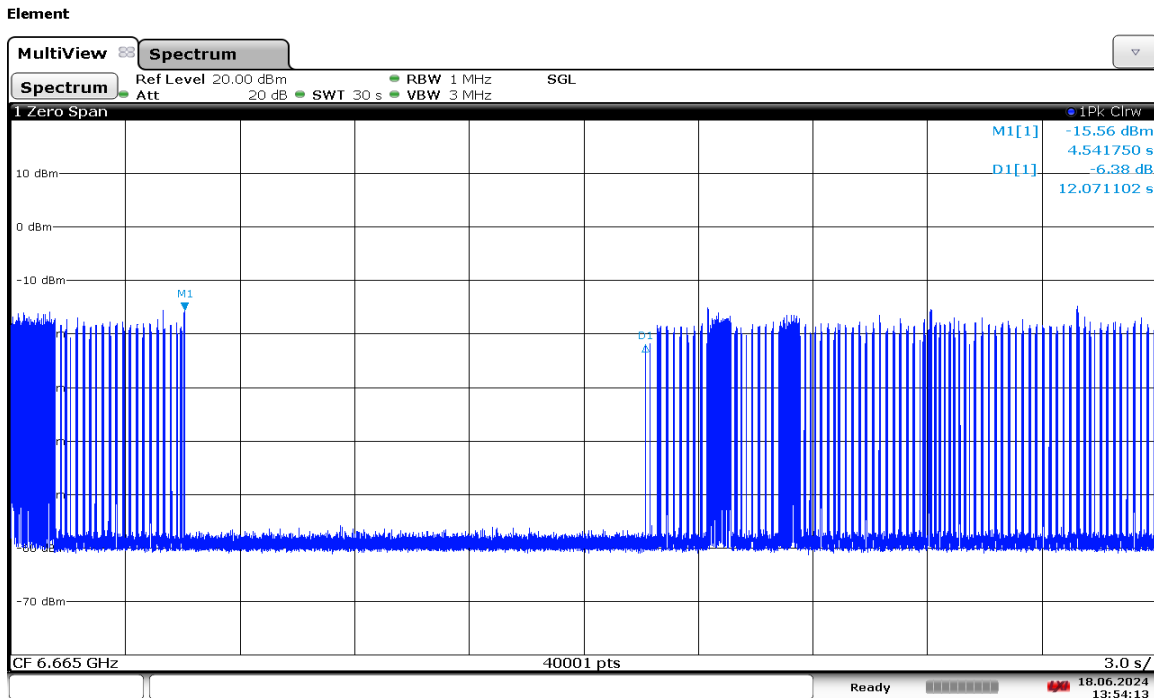
FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 480 of 693

V 10.6 10/27/2023




13:49:03 18.06.2024

Plot 7-1880. LPI Contention Based Protocol Timing Plot – UNII 7 – 20MHz Channel 149



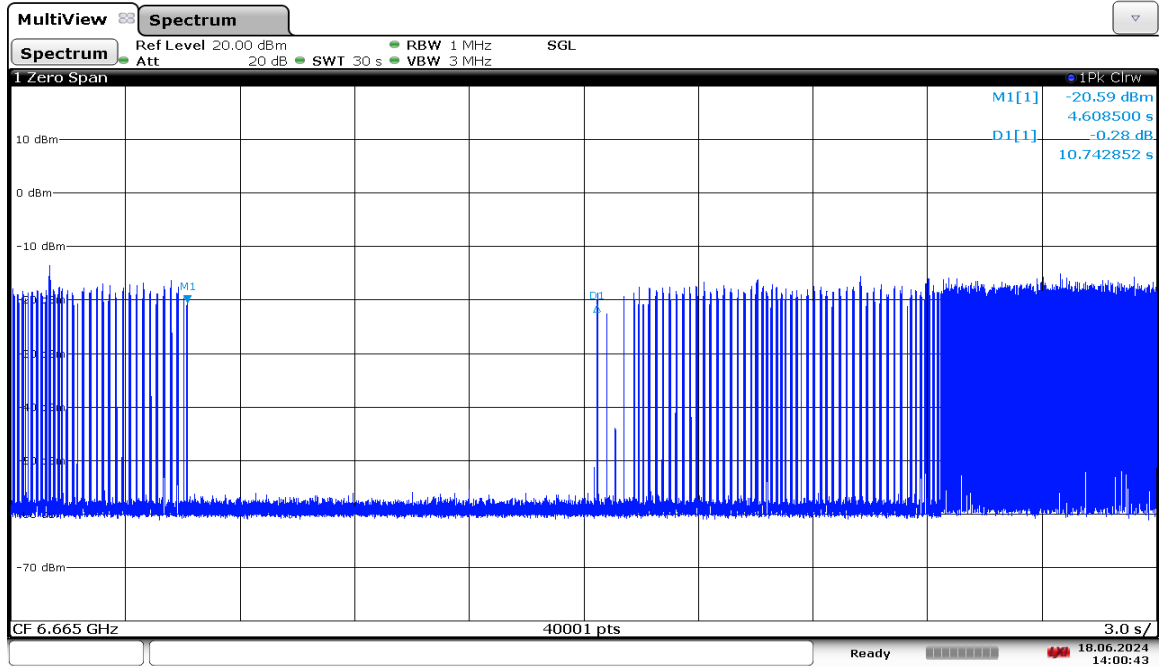
13:54:14 18.06.2024

Plot 7-1881. LPI Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 481 of 693

V 10.6 10/27/2023

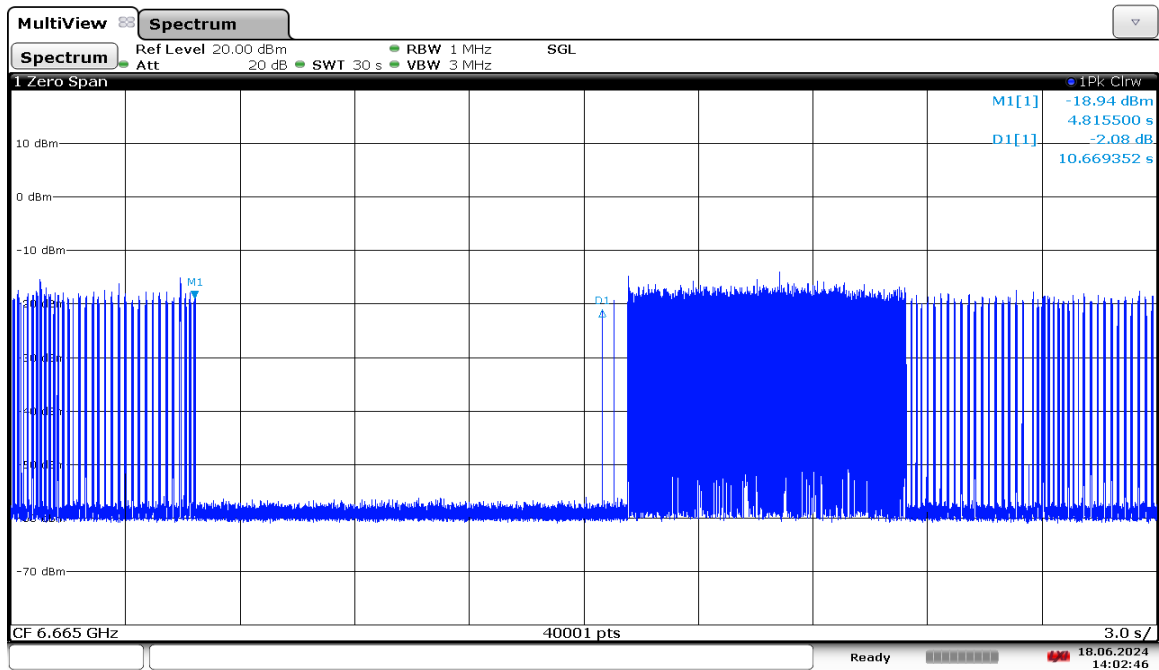
Element



14:00:44 18.06.2024

Plot 7-1882. LPI Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Mid

Element



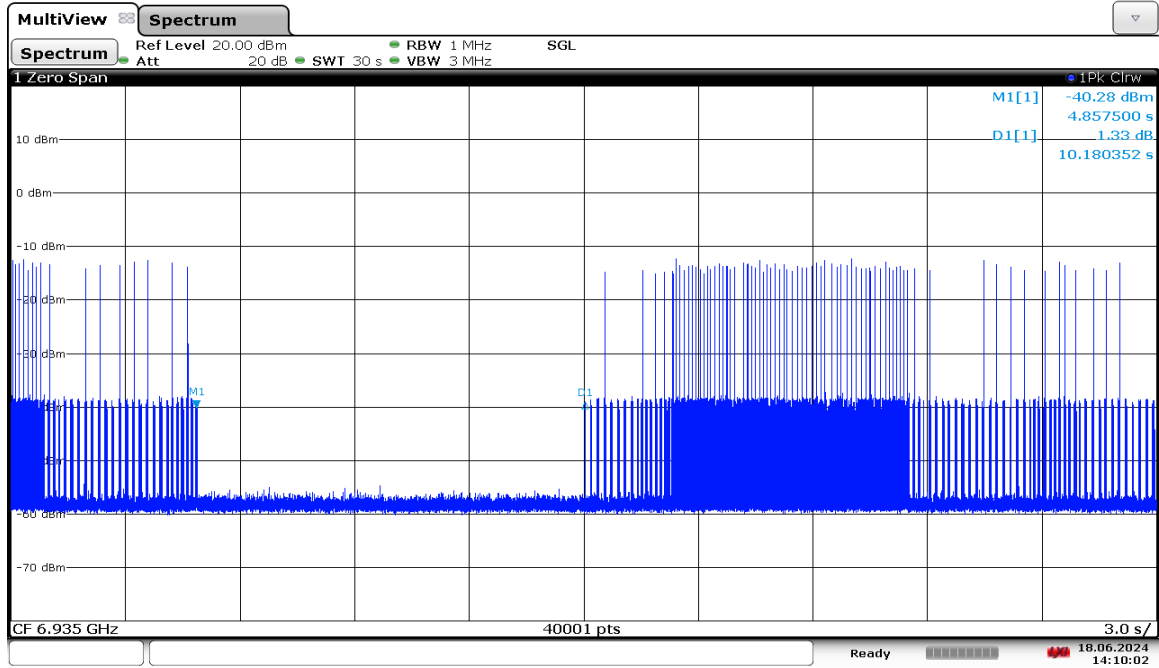
14:02:47 18.06.2024

Plot 7-1883. LPI Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 482 of 693

V 10.6 10/27/2023

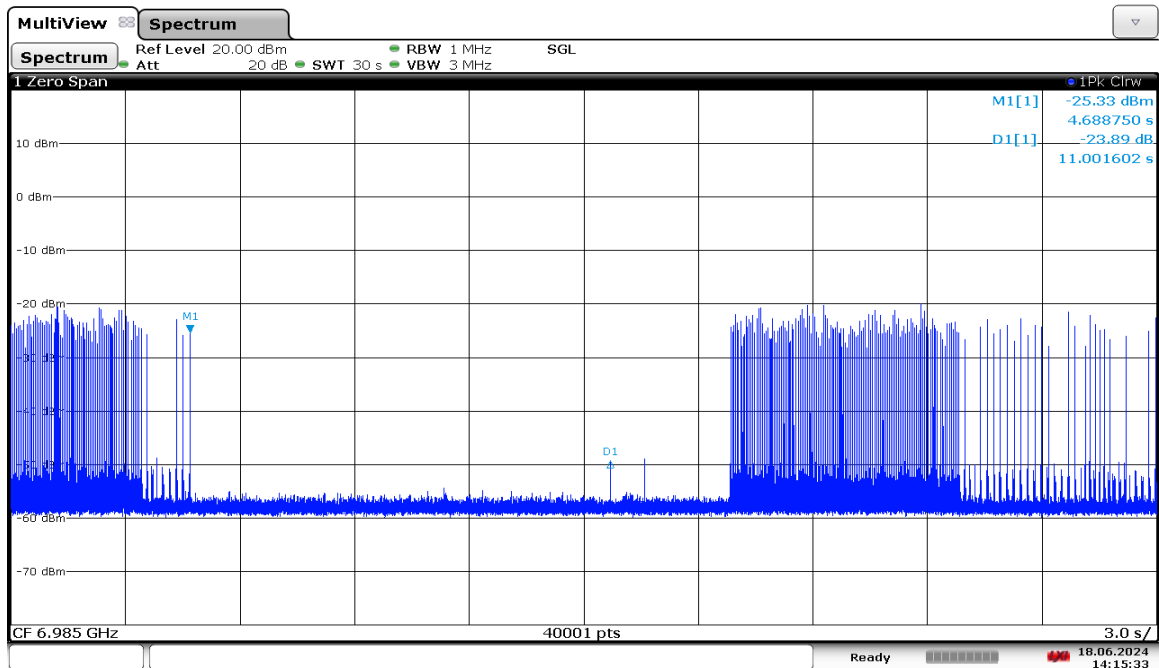
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14:10:03 18.06.2024

Plot 7-1884. LPI Contention Based Protocol Timing Plot – UNII 8 – 20MHz Channel 197

Element



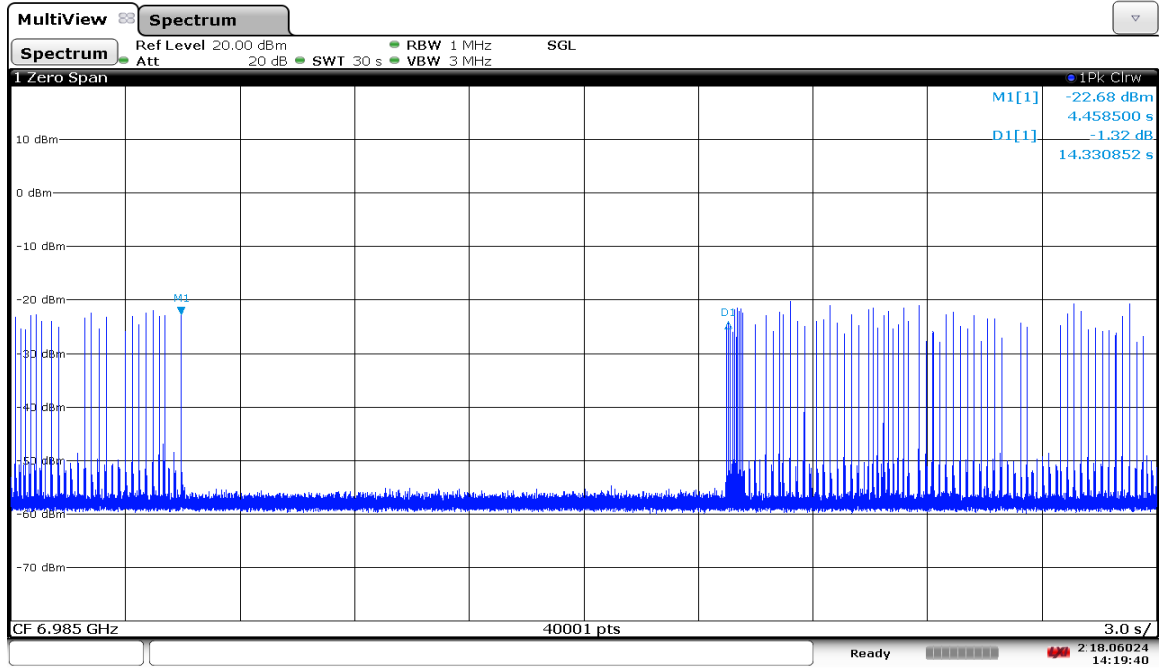
14:15:33 18.06.2024

Plot 7-1885. LPI Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 483 of 693

V 10.6 10/27/2023

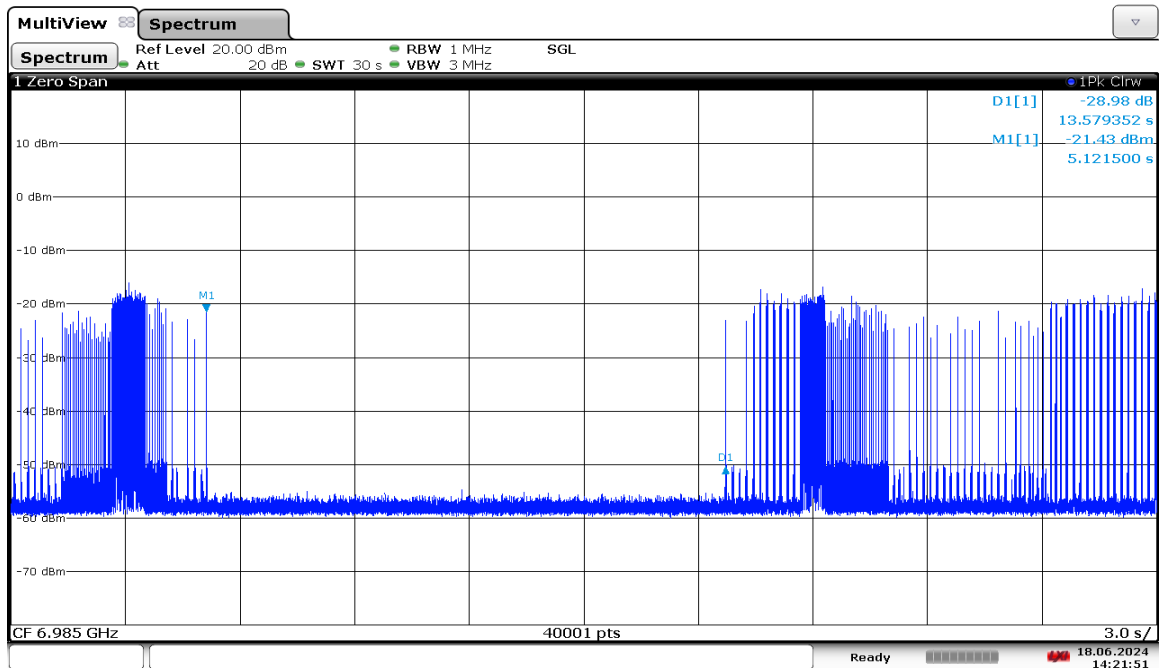
Element



14:19:40 18.06.2024

Plot 7-1886. LPI Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Mid

Element



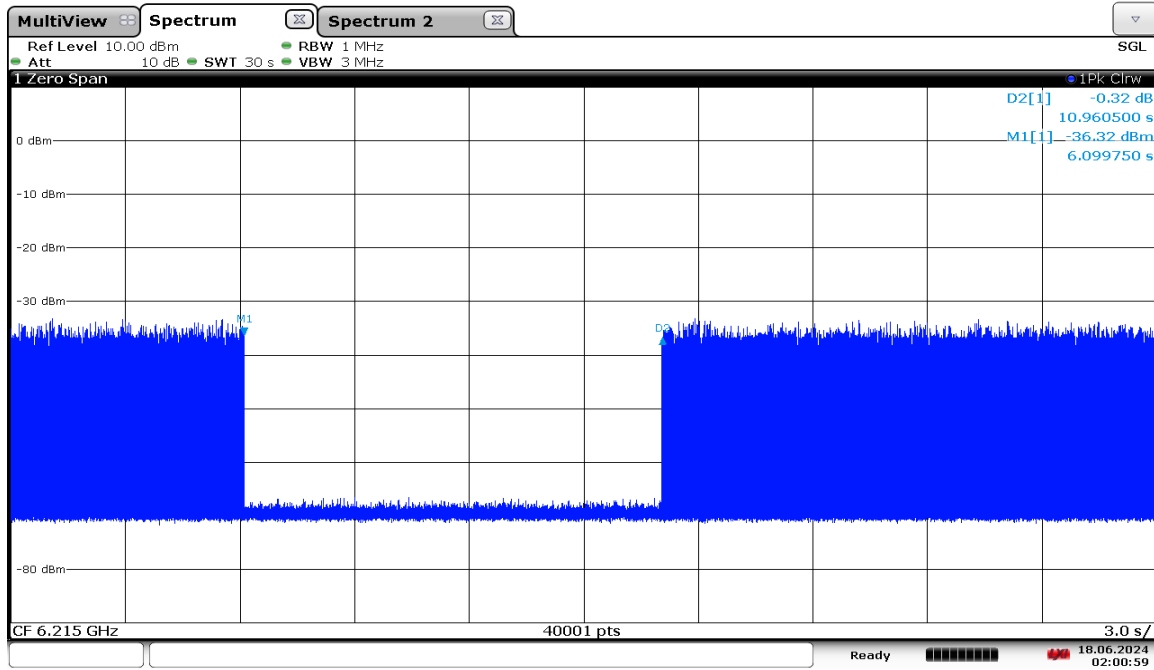
14:21:51 18.06.2024

Plot 7-1887. LPI Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 484 of 693

V 10.6 10/27/2023

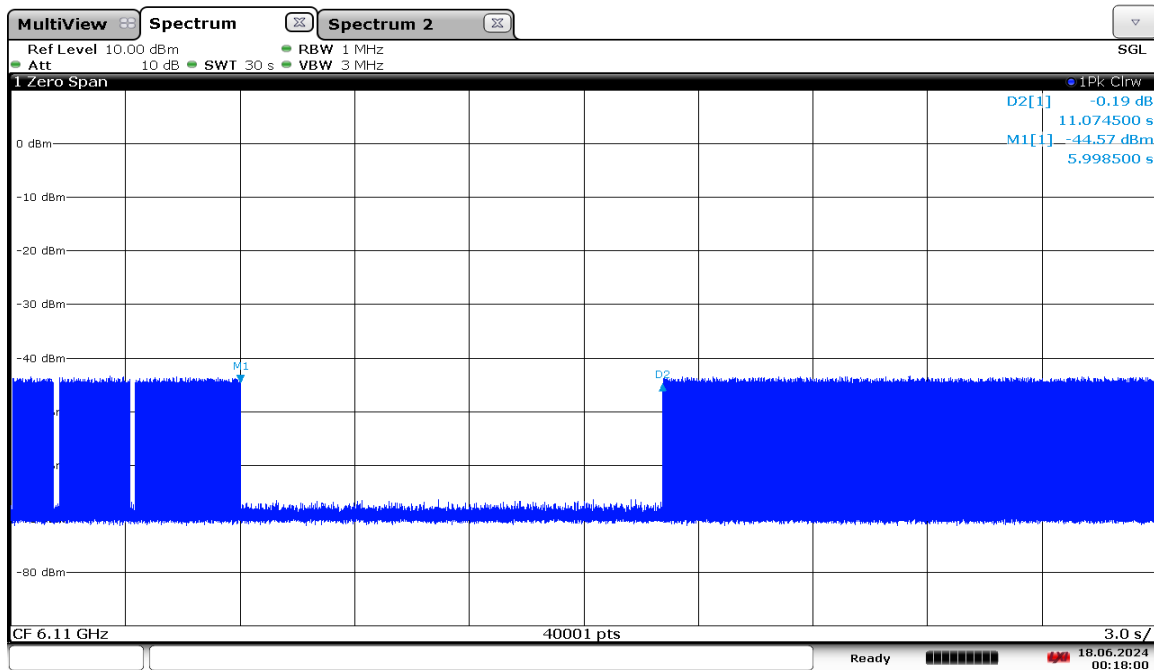
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02:00:59 18.06.2024

Plot 7-1888. VLP Contention Based Protocol Timing Plot – UNII 5 – 20MHz Channel 53

Element



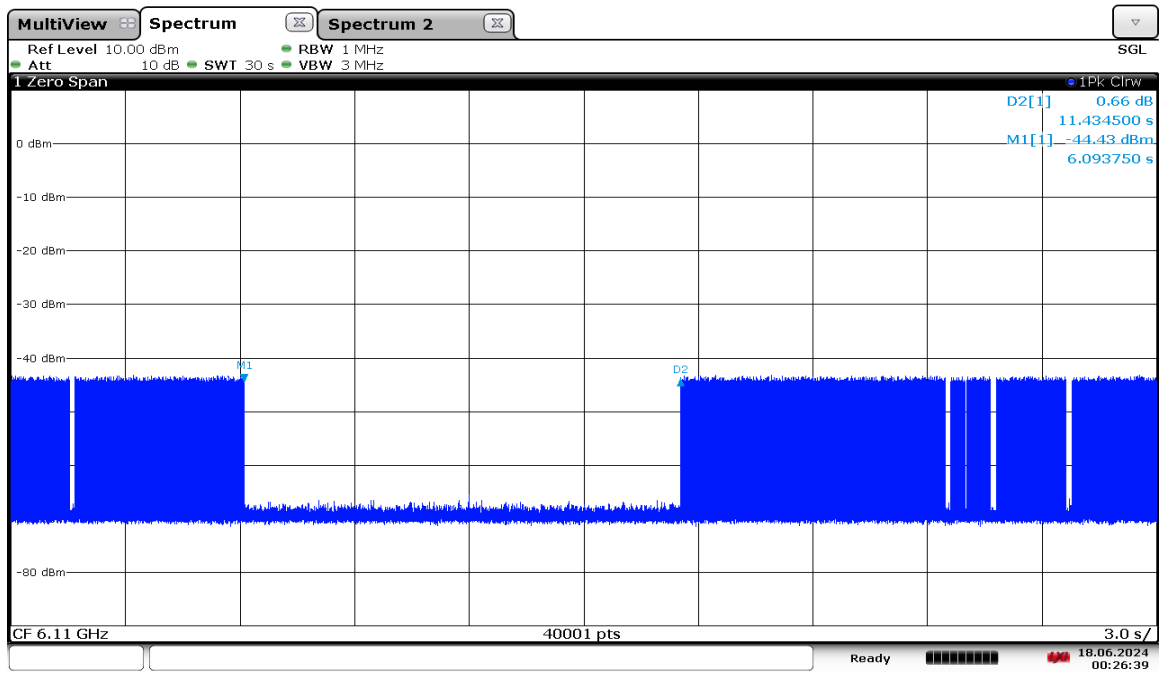
00:18:01 18.06.2024

Plot 7-1889. VLP Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 485 of 693

V 10.6 10/27/2023

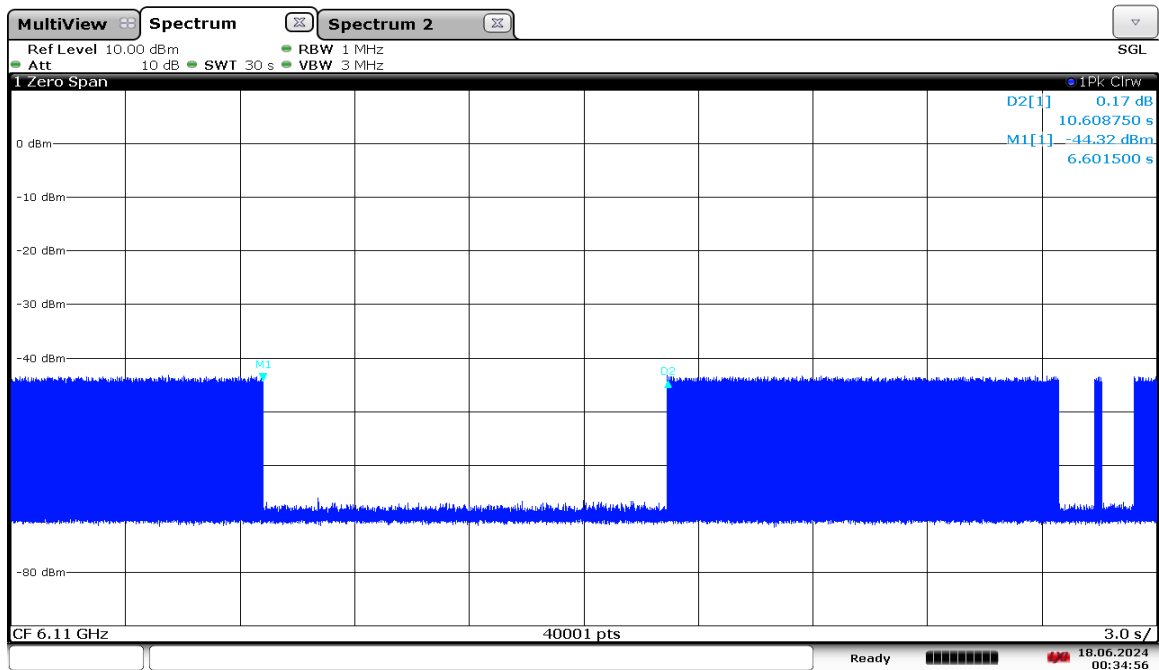
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00:26:40 18.06.2024

Plot 7-1890. VLP Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Mid

Element



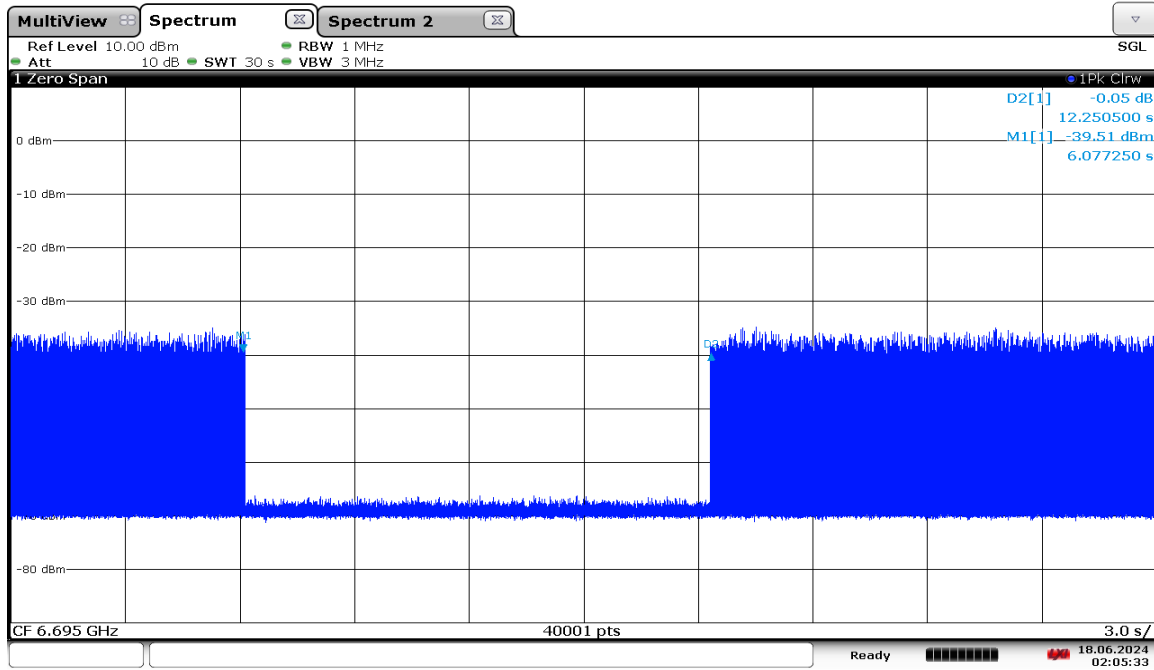
00:34:57 18.06.2024

Plot 7-1891. VLP Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – High

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 486 of 693

V 10.6 10/27/2023

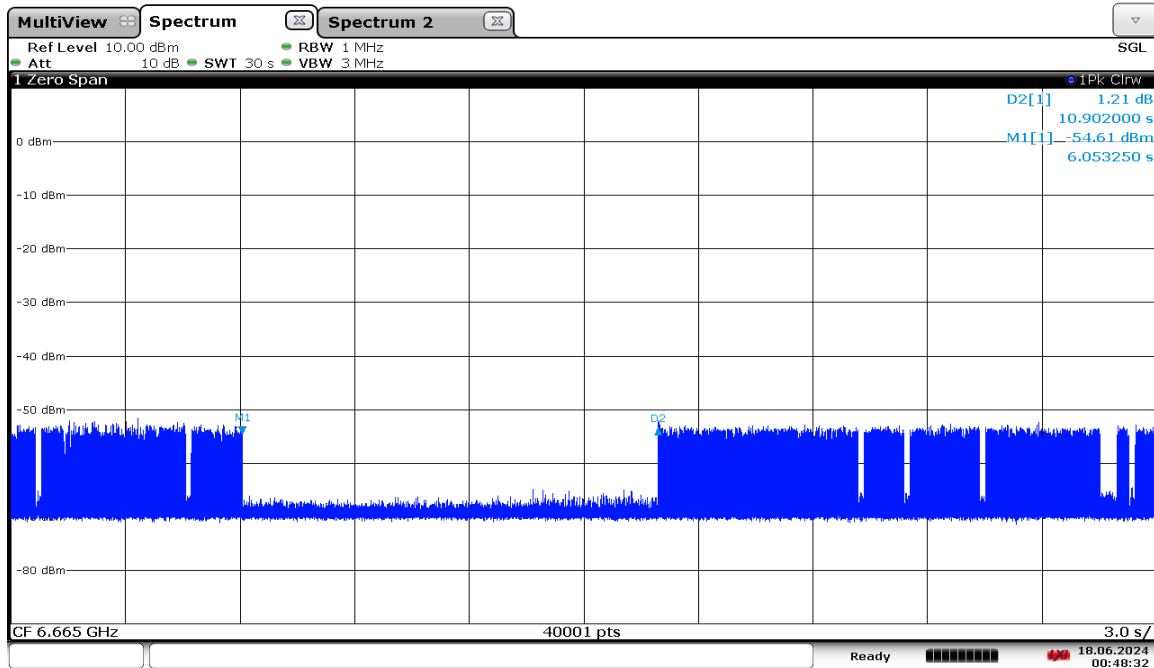
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02:05:33 18.06.2024

Plot 7-1892. VLP Contention Based Protocol Timing Plot – UNII 7 – 20MHz Channel 149

Element



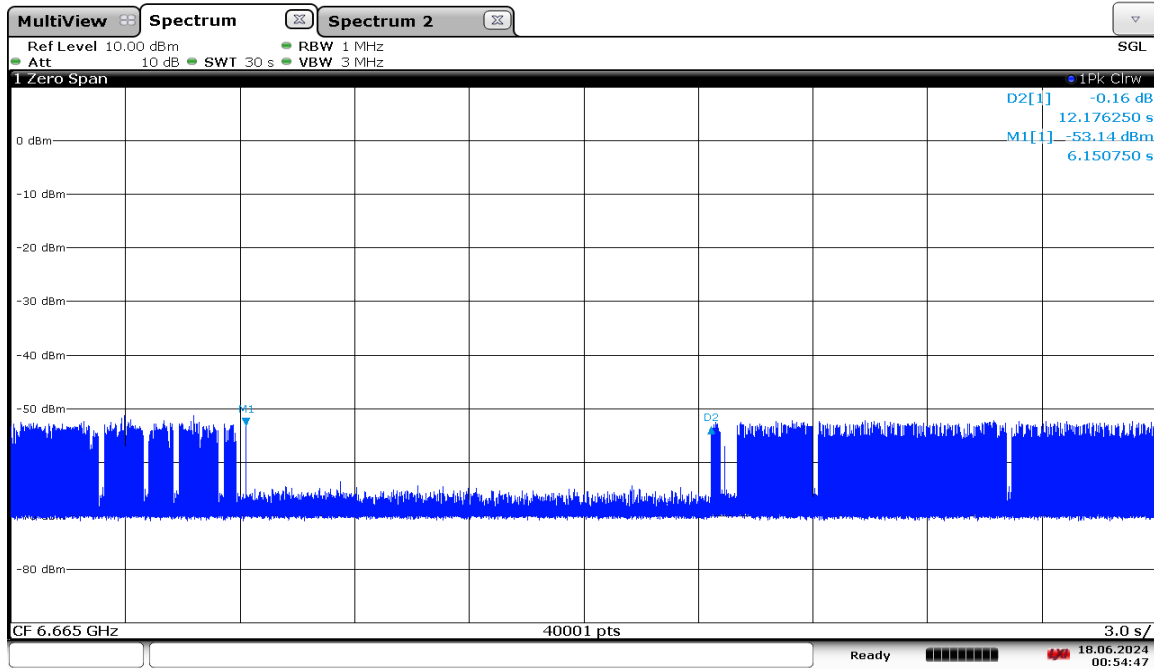
00:48:33 18.06.2024

Plot 7-1893. VLP Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Low

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 487 of 693

V 10.6 10/27/2023

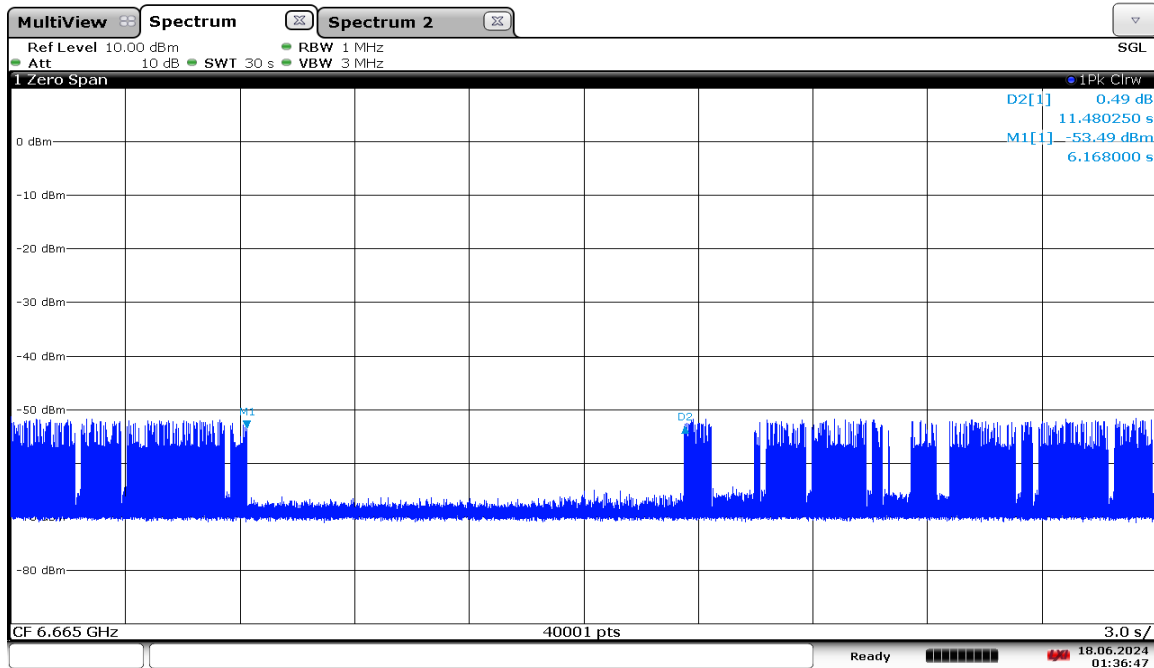
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00:54:47 18.06.2024

Plot 7-1894. VLP Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Mid

Element



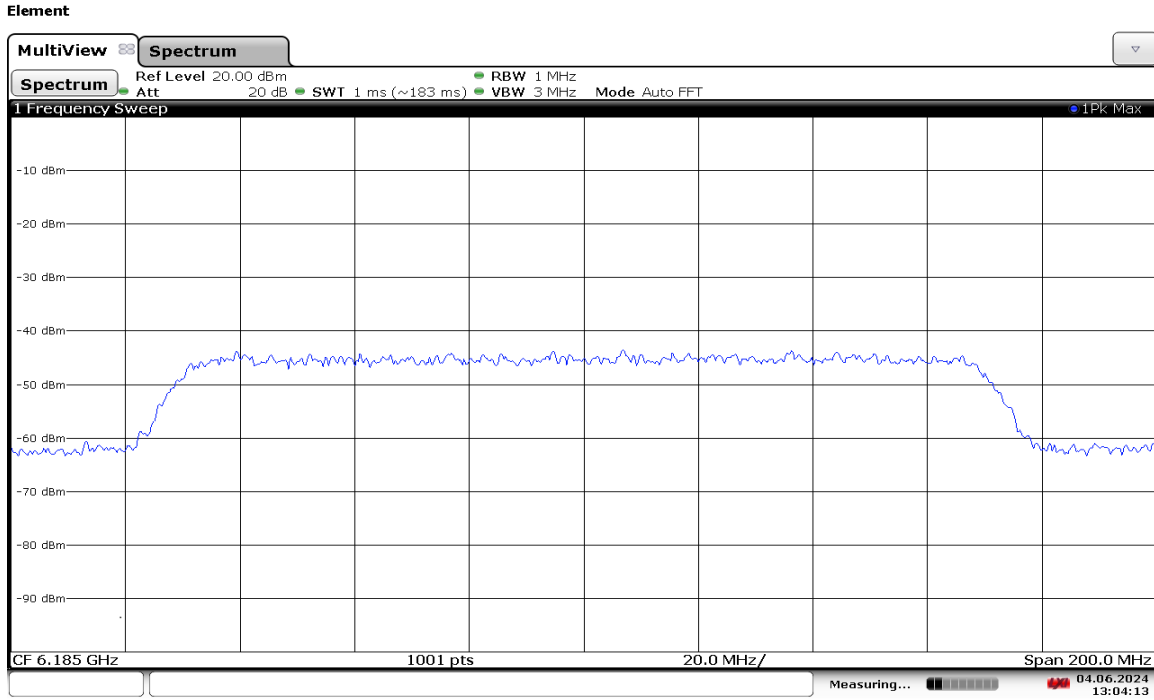
01:36:48 18.06.2024

Plot 7-1895. VLP Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – High

FCC ID: BCGA2995	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device
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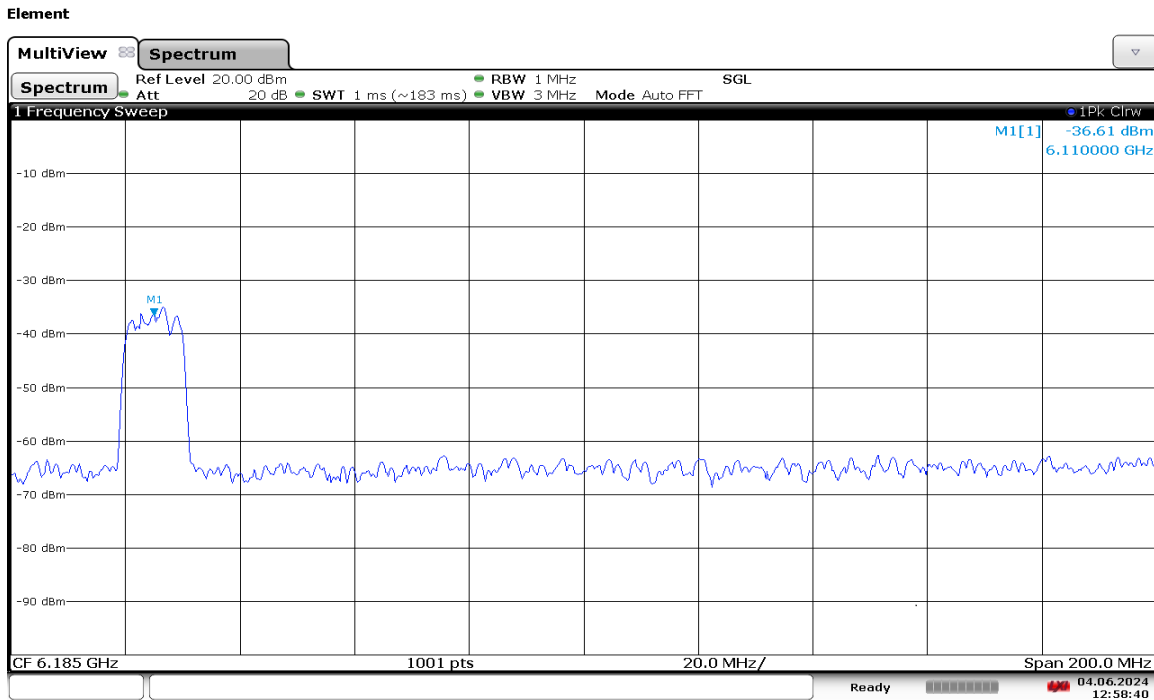
V 10.6 10/27/2023

CBP Bandwidth Reduction Plots



13:04:14 04.06.2024

Plot 7-1896. 160MHz Bandwidth – Before AWGN Signal Injected – Channel 47



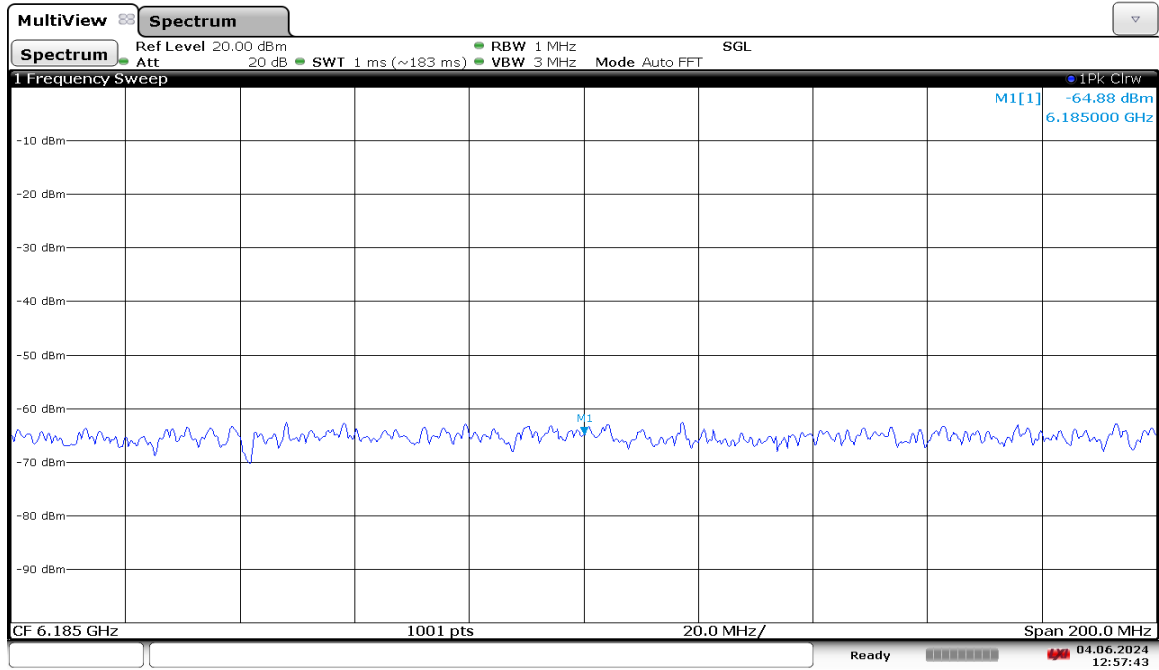
12:58:41 04.06.2024

Plot 7-1897. 160MHz Bandwidth – AWGN Signal Injected at Low End – Channel 47

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 489 of 693

V 10.6 10/27/2023

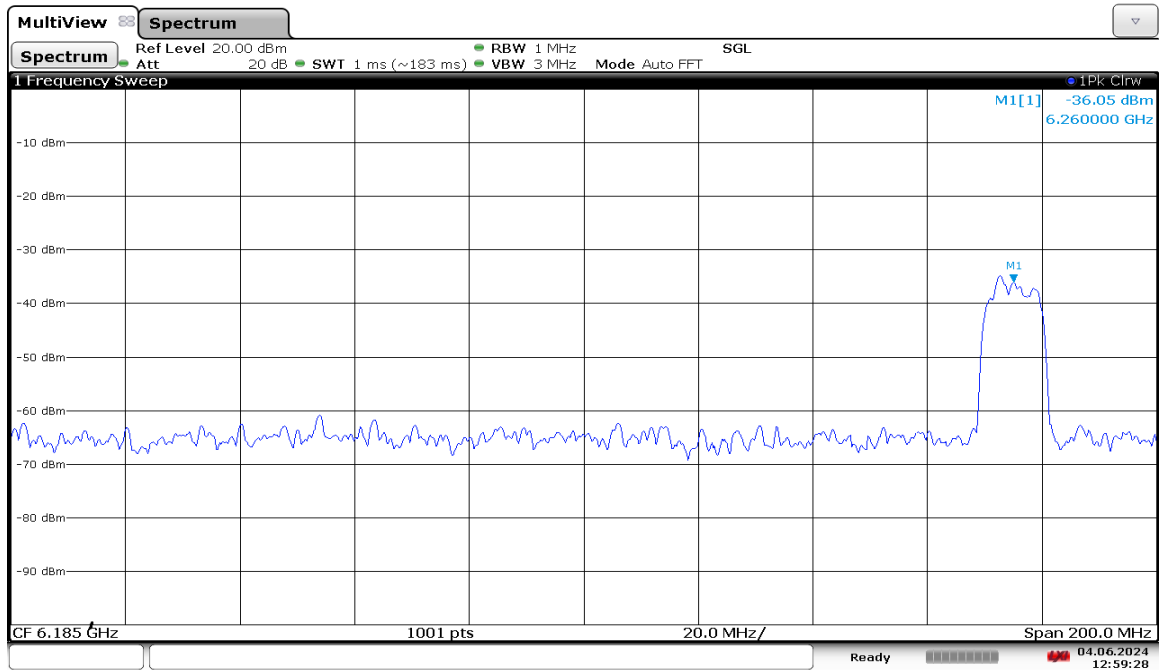
Element



12:57:44 04.06.2024

Plot 7-1898. 160MHz Bandwidth – AWGN Signal Injected at Center – Channel 47

Element



12:59:29 04.06.2024

Plot 7-1899. 160MHz Bandwidth – AWGN Signal Injected at High End – Channel 47

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 490 of 693

V 10.6 10/27/2023

7.7 Radiated Spurious Emissions – Above 1GHz

§15.407(b) §15.205 §15.209

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. RU26, RU52, RU106, RU242, RU484, RU996 and RU996x2) and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.925-7.125 GHz band: All emissions outside of the 5.925-7.125 GHz band shall not exceed an EIRP of -27 dBm/MHz. Emissions found in a restricted band are subject to the limits of 15.209 as shown in the table below.

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-235. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Sections 12.7.7.2, 12.7.6
KDB 789033 D02 v02r01 – Section G


Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

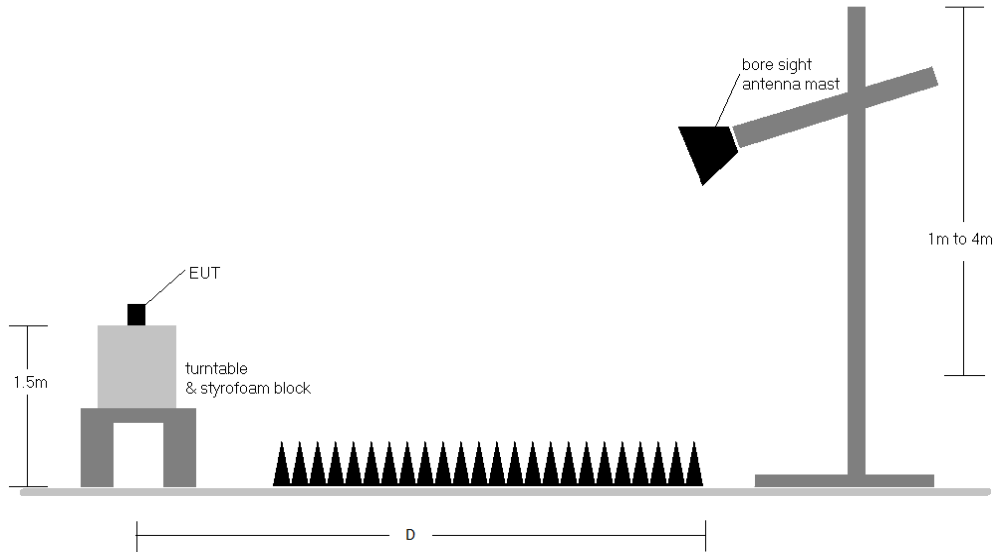



Figure 7-5. Test Instrument & Measurement Setup

FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 492 of 693

Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 are below the limit shown in Table 7-235.
2. All spurious emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-235. All spurious emissions that do not lie in a restricted band are subject to a limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
5. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
7. All data rates were investigated and only the worse case is reported
8. The unit was tested with all possible modes and only the highest emission is reported.
9. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
10. All radiated measurements were tested at the highest supported power setting per band.


Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

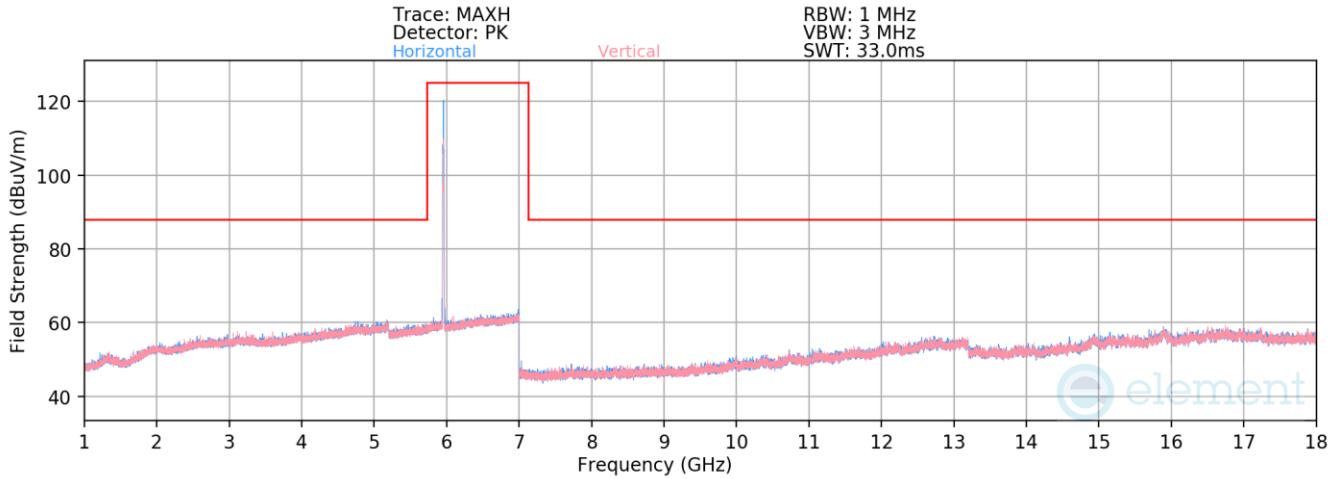
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.6 to 7.7.25 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.7.1 Antenna 5T Radiated Spurious Emission

RU26



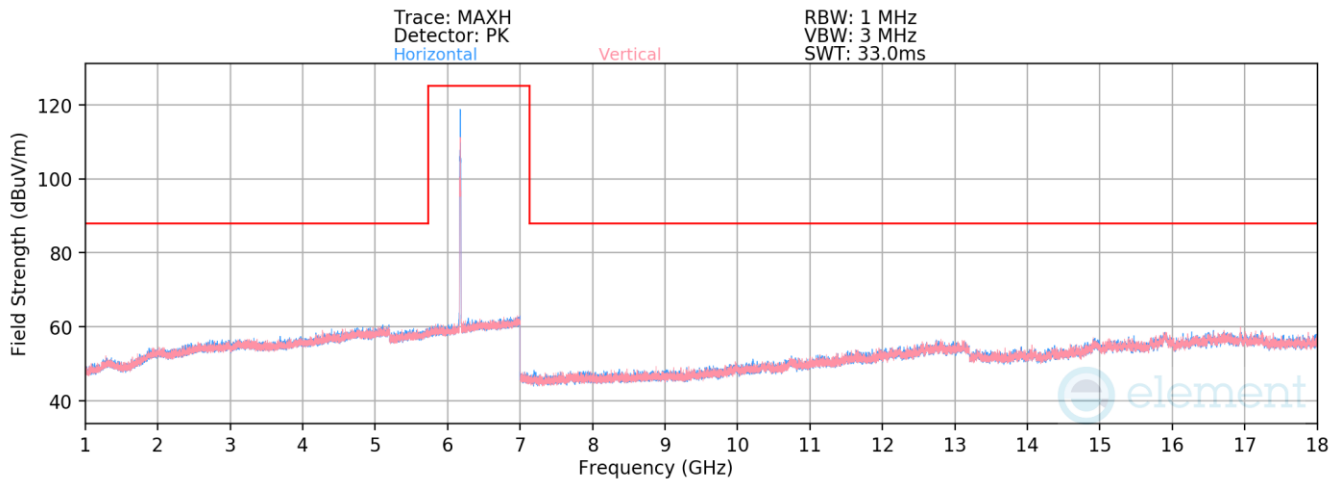
Plot 7-1900. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 1 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11910.00	Average	H	-	-	-83.67	18.07	41.40	53.98	-12.58
* 11910.00	Peak	H	-	-	-72.57	17.79	52.22	73.98	-21.76
* 17865.00	Average	V	-	-	-81.41	17.94	39.88	53.98	-14.10
* 17865.00	Peak	V	-	-	-73.60	17.94	51.34	73.98	-22.64

Table 7-236. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 494 of 693




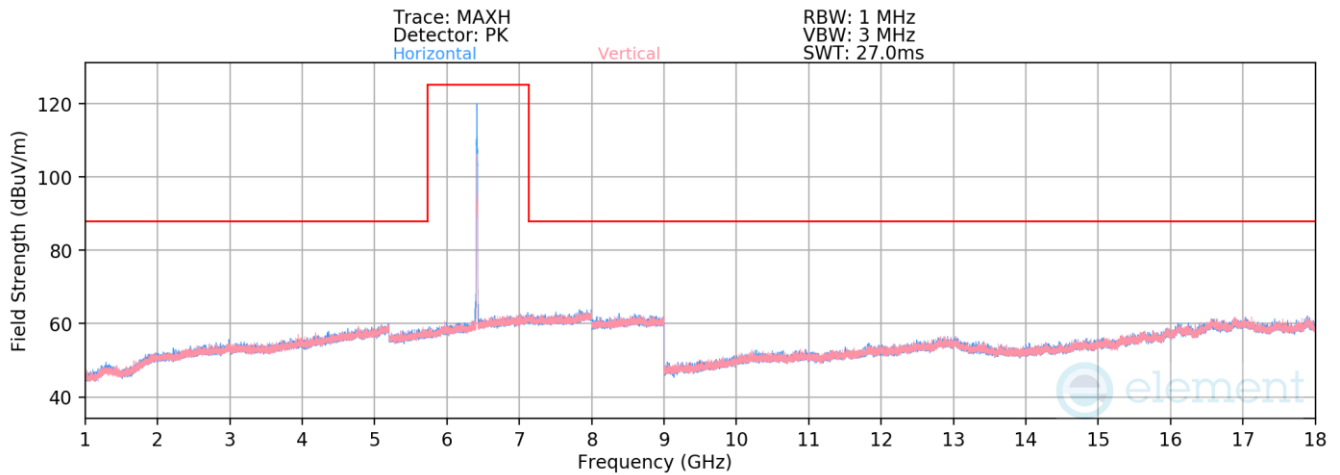
Plot 7-1901. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 45 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6175MHz
 Channel: 45

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 12350.00	Average	V	-	-	-83.79	18.67	41.88	53.98	-12.10
* 12350.00	Peak	V	-	-	-72.66	18.67	53.01	73.98	-20.97

Table 7-237. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 495 of 693




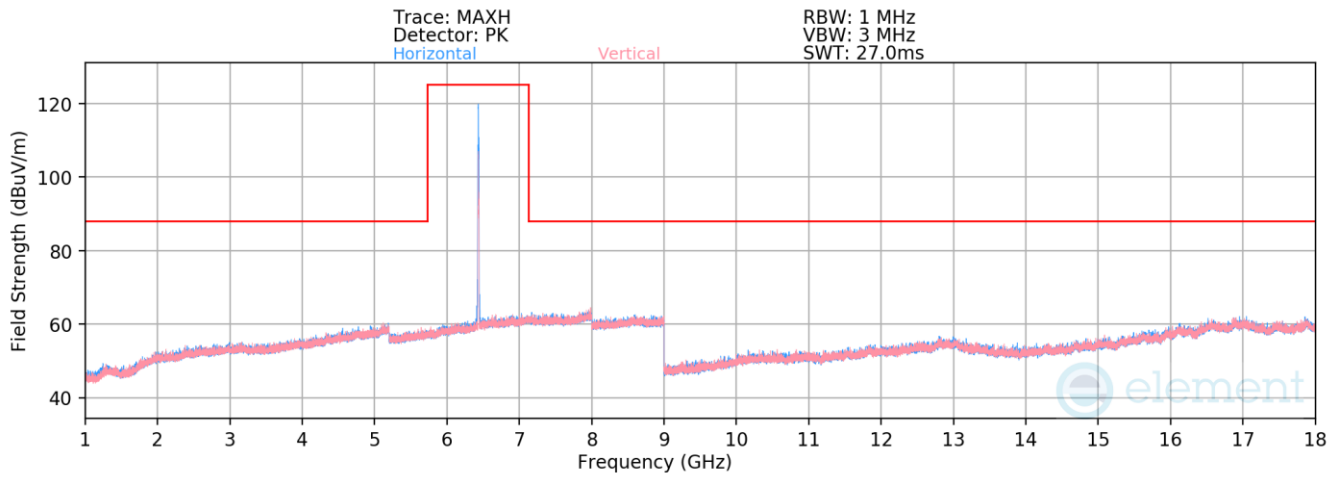
Plot 7-1902. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 93 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6415MHz
 Channel: 93

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12830.00	Average	V	-	-	-85.83	22.53	43.70	68.23	-24.53
12830.00	Peak	V	-	-	-74.19	22.49	55.29	88.23	-32.94

Table 7-238. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 496 of 693



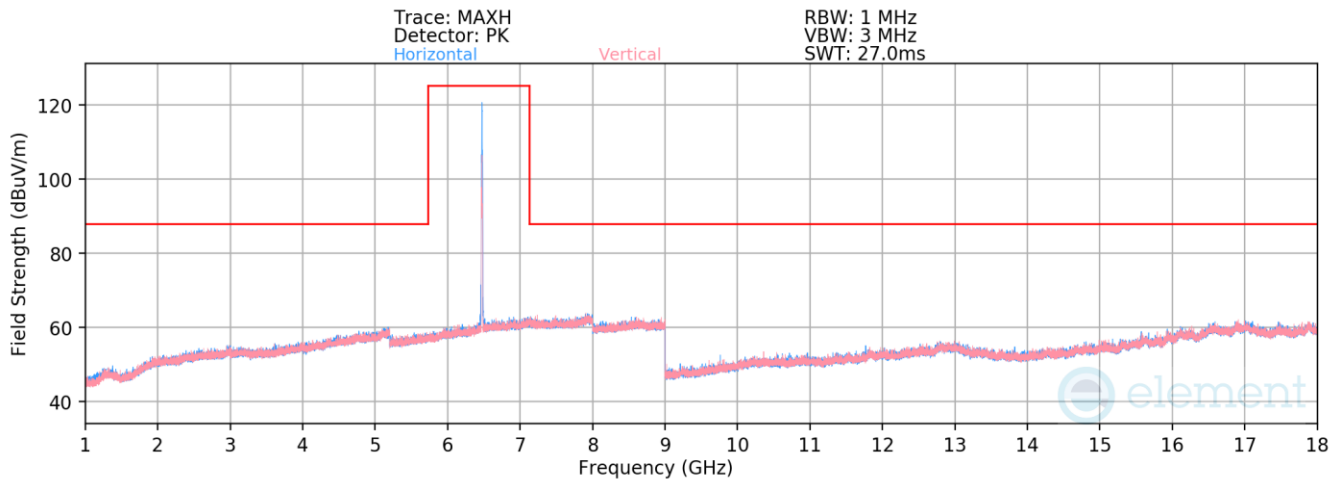
Plot 7-1903. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 97 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6435MHz
 Channel: 97

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12870.00	Average	H	-	-	-85.70	22.20	43.50	68.23	-24.73
12870.00	Peak	H	-	-	-74.04	22.00	54.96	88.23	-33.27

Table 7-239. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 497 of 693




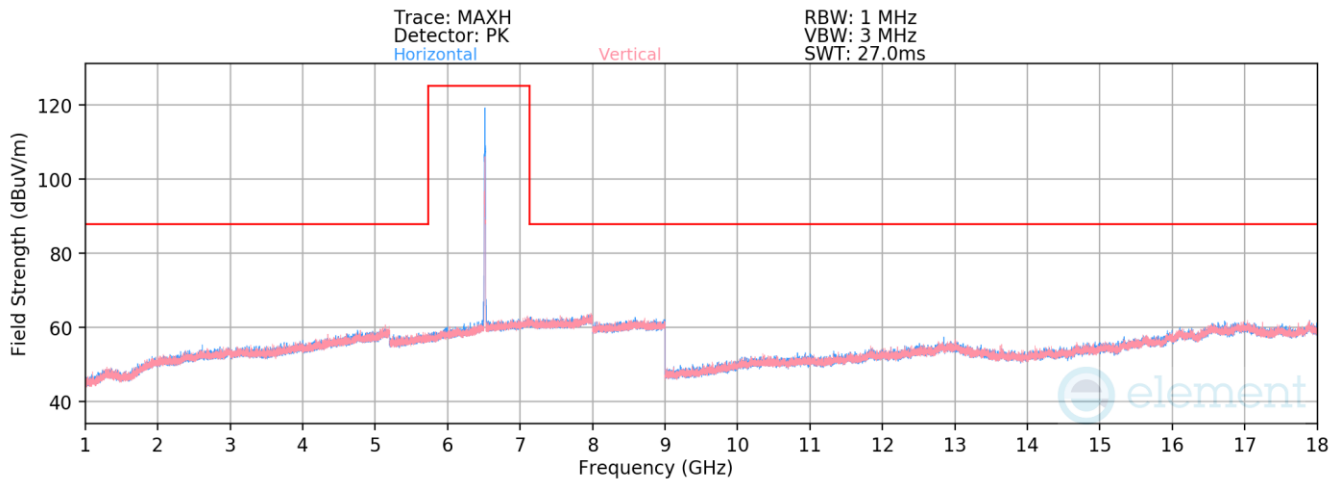
Plot 7-1904. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 105 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6475MHz
 Channel: 105

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12950.00	Average	V	-	-	-85.34	22.18	43.84	68.23	-24.39
12950.00	Peak	V	-	-	-74.49	22.50	55.00	88.23	-33.23

Table 7-240. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 498 of 693




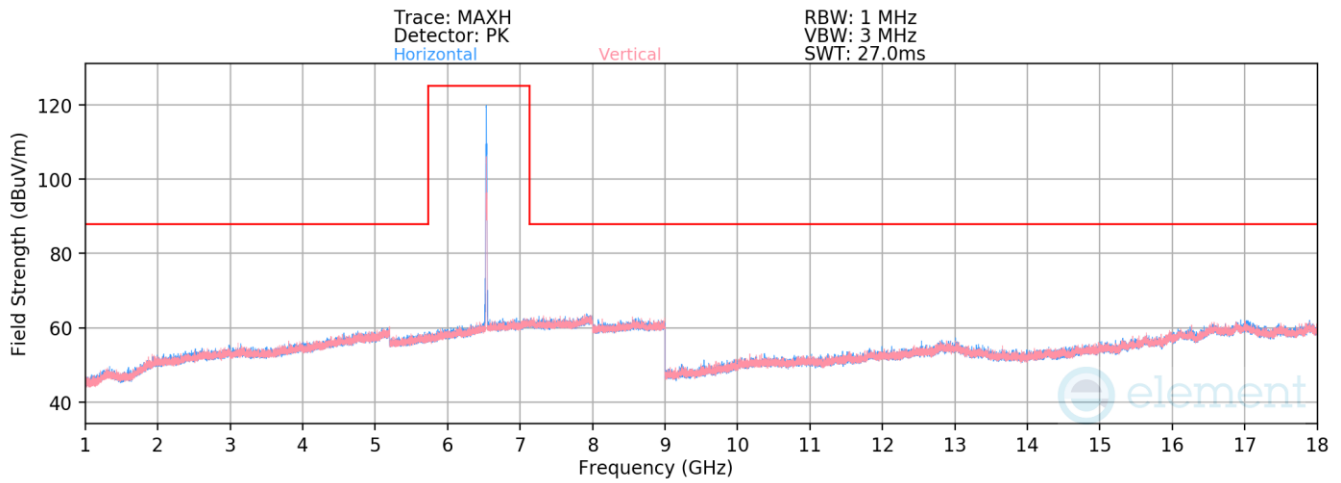
Plot 7-1905. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 113 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6515MHz
 Channel: 113

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13030.00	Average	V	-	-	-85.34	22.53	44.18	68.23	-24.05
13030.00	Peak	V	-	-	-74.19	22.59	55.39	88.23	-32.84

Table 7-241. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 499 of 693




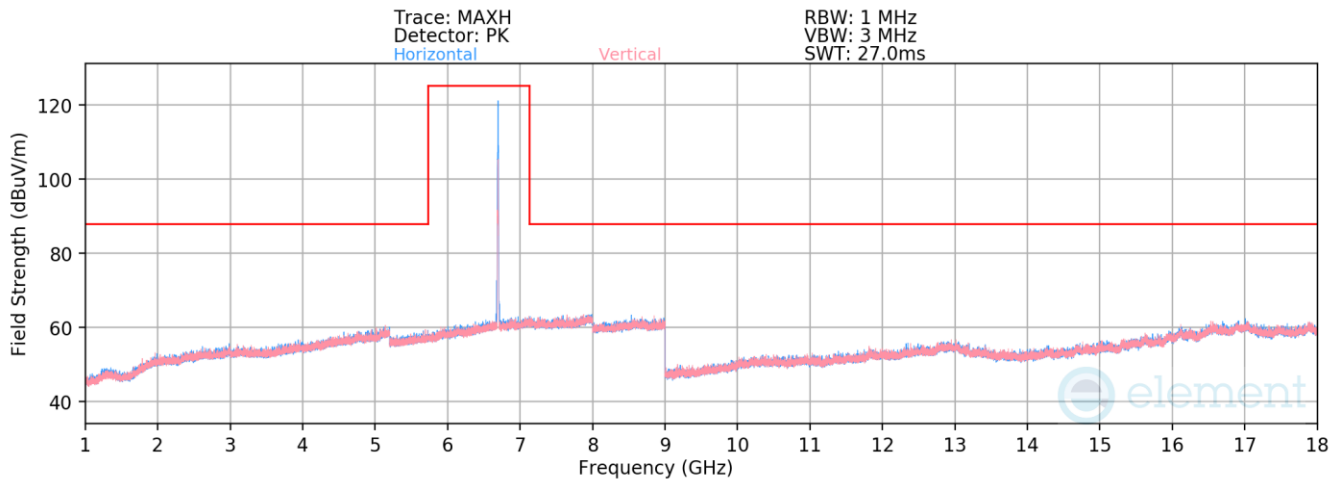
Plot 7-1906. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 117 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6535MHz
 Channel: 117

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13070.00	Average	H	-	-	-85.71	22.49	43.78	68.23	-24.45
13070.00	Peak	H	-	-	-74.14	22.36	55.22	88.23	-33.01

Table 7-242. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 500 of 693




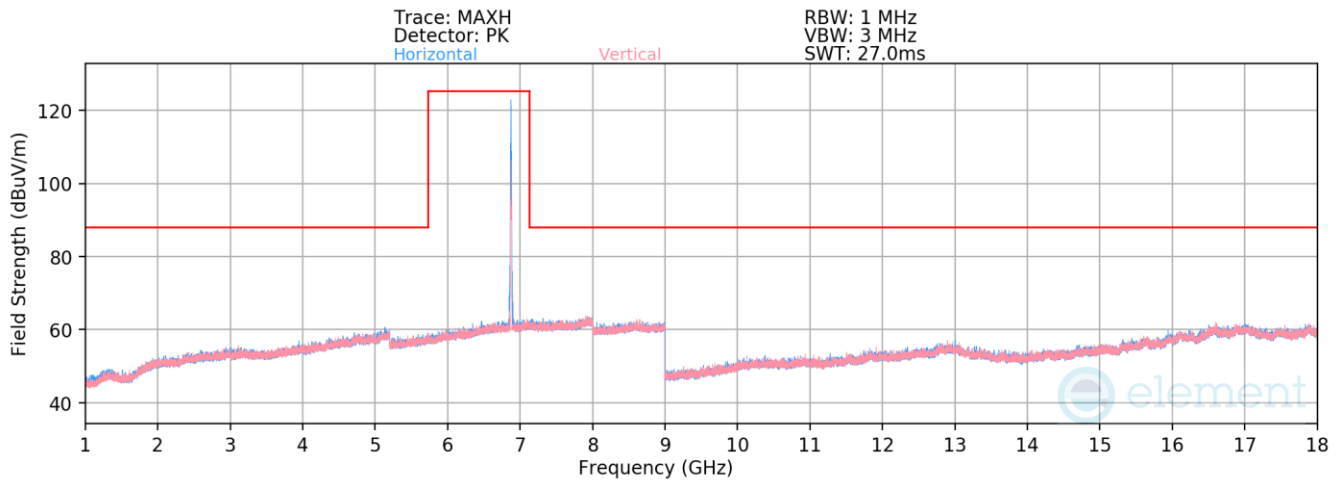
Plot 7-1907. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 149 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6695MHz
 Channel: 149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 13390.00	Average	H	-	-	-85.53	22.29	43.76	53.98	-10.22
* 13390.00	Peak	H	-	-	-74.58	22.13	54.55	73.98	-19.43

Table 7-243. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 501 of 693




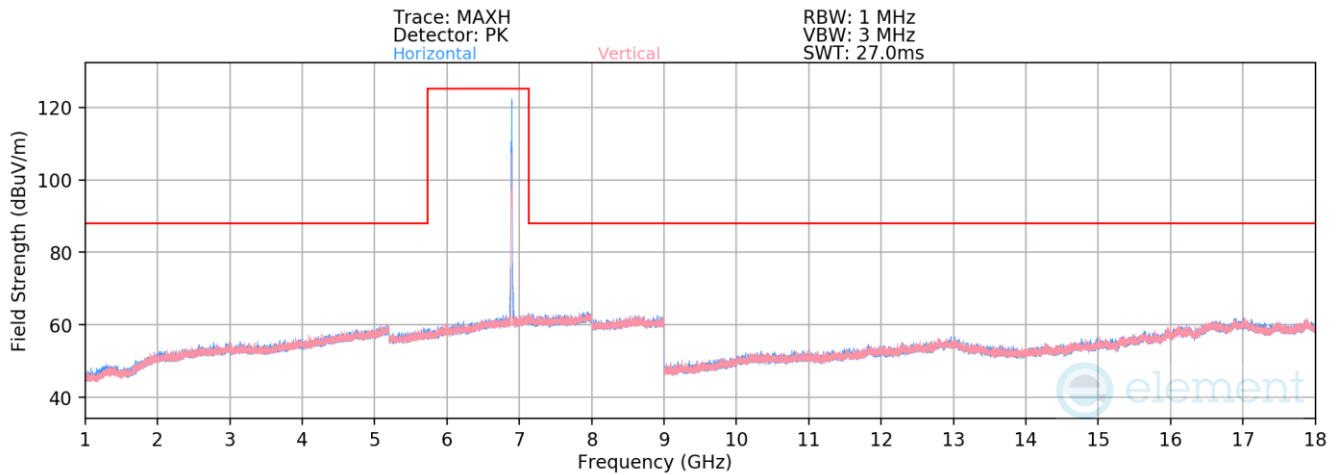
Plot 7-1908. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 185 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6875MHz
 Channel: 185

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
13750.00	Average	H	-	-	-85.92	22.03	43.11	68.23	-25.12
13750.00	Peak	H	-	-	-74.50	22.04	54.54	88.23	-33.69

Table 7-244. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 502 of 693




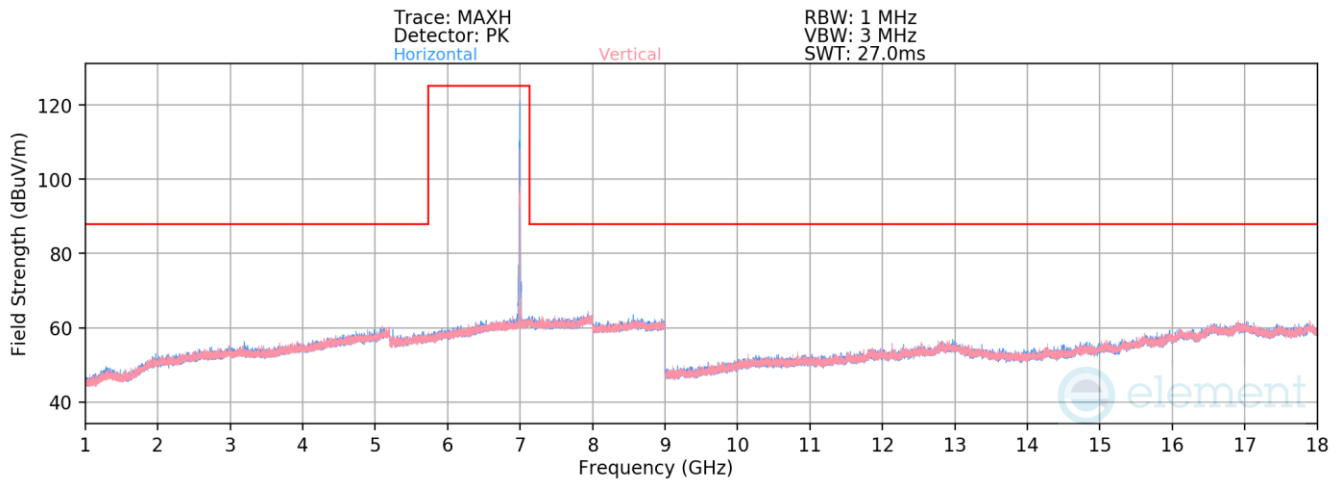
Plot 7-1909. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 189 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6895MHz
 Channel: 189

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
13790.00	Average	V	-	-	-86.32	22.41	43.09	68.23	-25.14
13790.00	Peak	V	-	-	-74.70	22.23	54.53	88.23	-33.70

Table 7-245. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 503 of 693




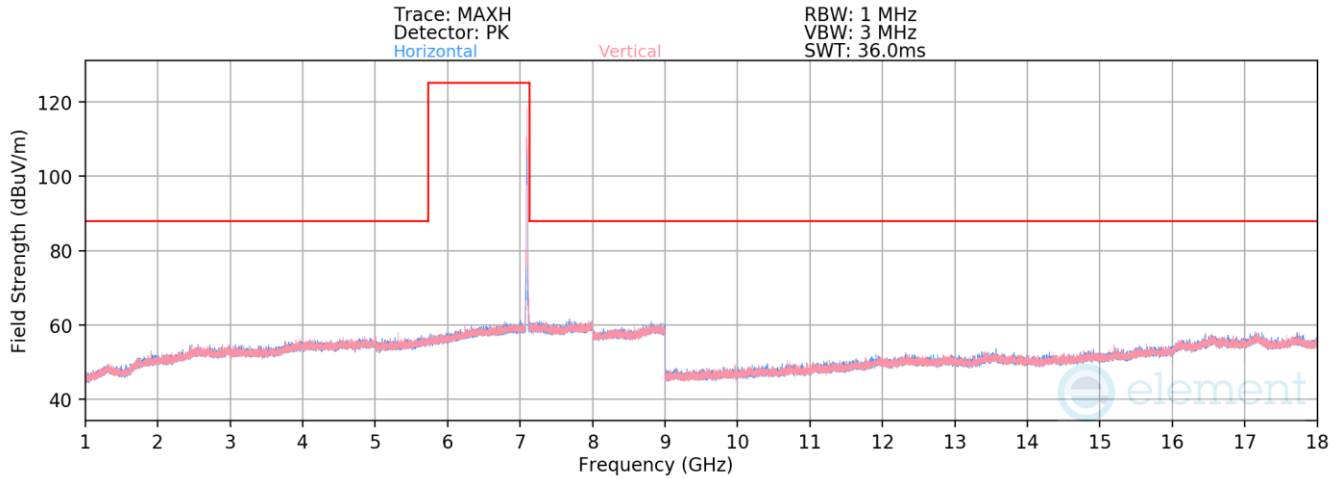
Plot 7-1910. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 209 – RU26)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6995MHz
 Channel: 209

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13990.00	Average	H	-	-	-86.42	22.28	42.86	68.23	-25.37
13990.00	Peak	H	-	-	-74.66	22.36	54.70	88.23	-33.53

Table 7-246. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 504 of 693



Plot 7-1911. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 229 – RU26)

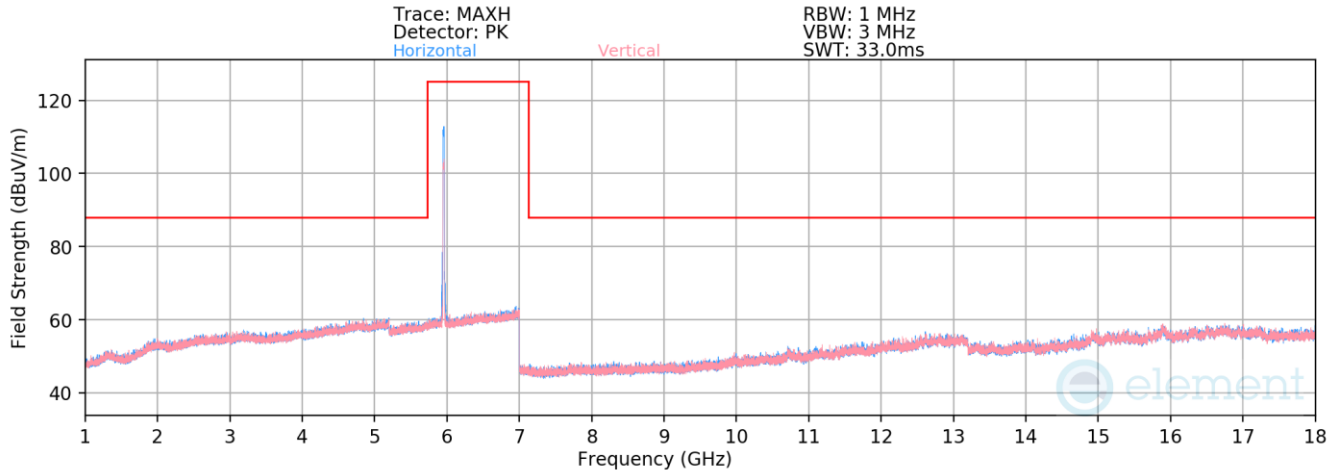
Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 7095MHz
 Channel: 229

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
5322.00	Average	V	332	120	-70.04	15.59	52.55	68.23	-15.68
5322.00	Peak	V	332	120	-64.92	15.59	57.67	88.23	-30.56
14190.00	Average	V	-	-	-82.78	16.40	40.62	68.23	-27.61
14190.00	Peak	V	-	-	-71.15	16.29	52.14	88.23	-36.09

Table 7-247. Radiated Spurious Emission Measurements Antenna 5T – RU26

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 505 of 693

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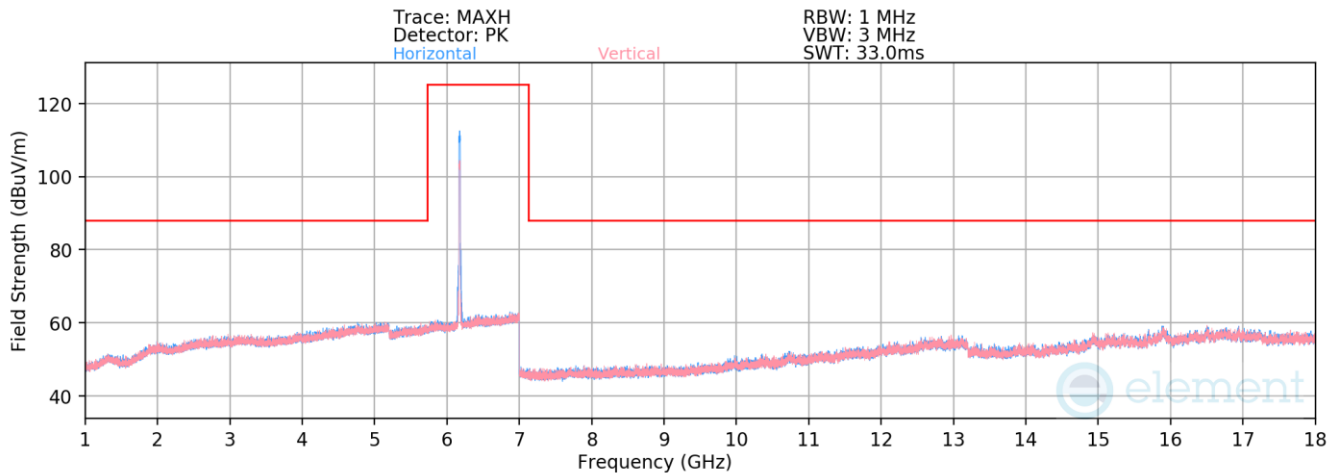
Plot 7-1912. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 1 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5955MHz
 Channel: 1

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11910.00	Average	V	-	-	-83.32	17.47	41.15	53.98	-12.83
* 11910.00	Peak	V	-	-	-71.32	17.29	52.97	73.98	-21.01
* 17865.00	Average	H	-	-	-85.16	17.94	39.78	53.98	-14.20
* 17865.00	Peak	H	-	-	-72.36	17.94	52.58	73.98	-21.40

Table 7-248. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 506 of 693




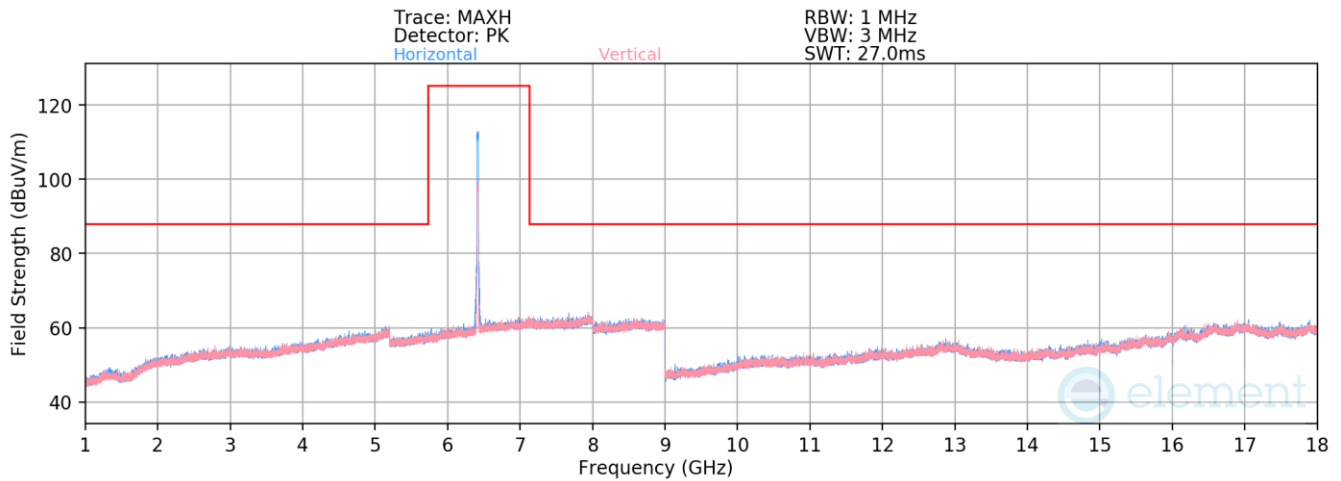
Plot 7-1913. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 45 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6175MHz
 Channel: 45

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	12350.00	Average	V	-	-	-83.54	18.61	42.07	53.98	-11.91
*	12350.00	Peak	V	-	-	-73.17	18.98	52.81	73.98	-21.17

Table 7-249. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 507 of 693




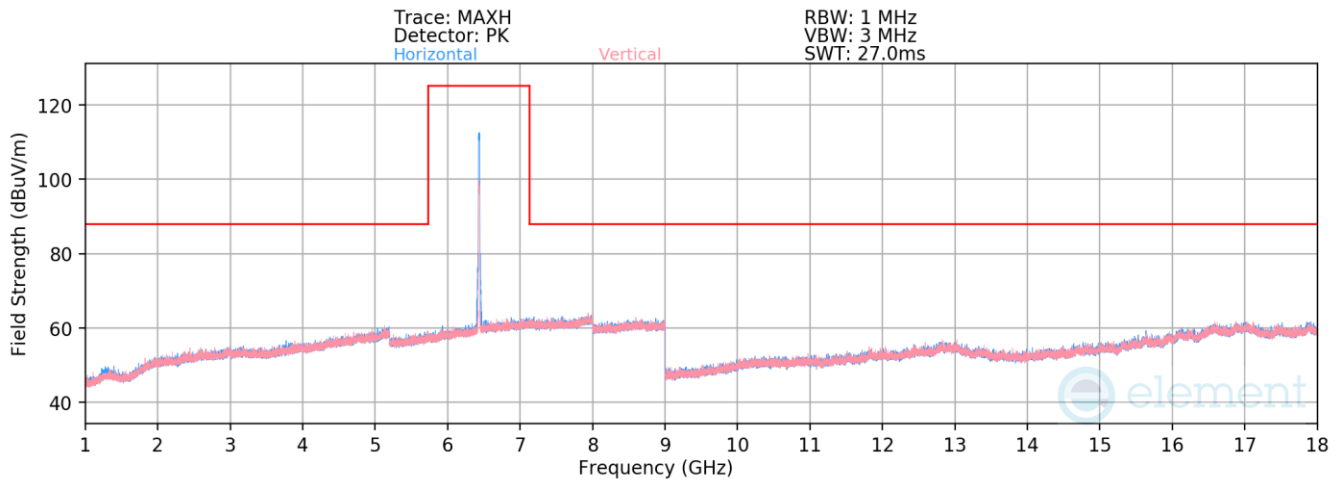
Plot 7-1914. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 93 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6415MHz
 Channel: 93

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12830.00	Average	H	-	-	-85.50	22.47	43.96	68.23	-24.27
12830.00	Peak	H	-	-	-74.03	22.47	55.43	88.23	-32.80

Table 7-250. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 508 of 693




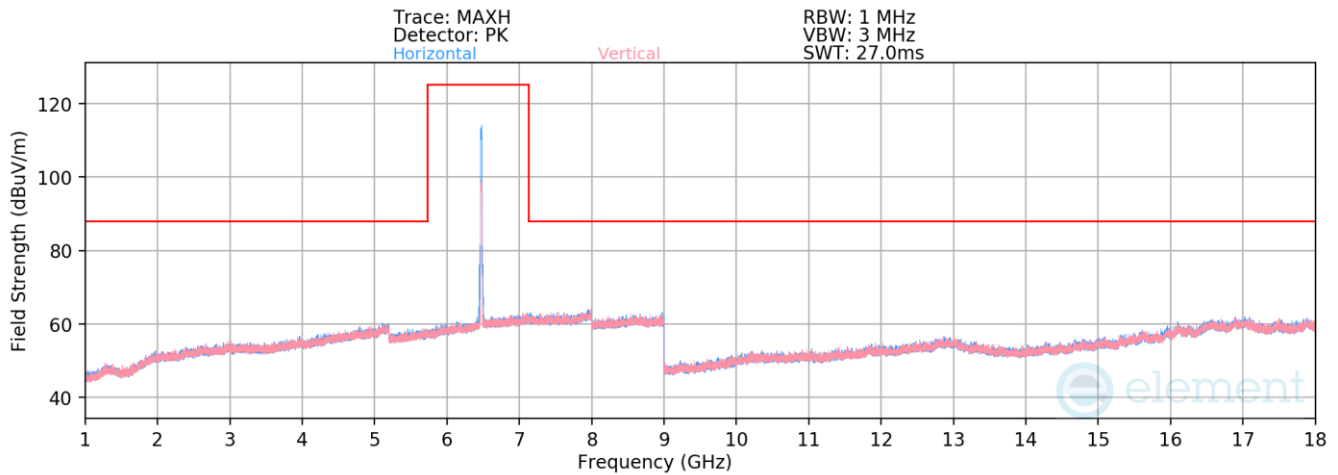
Plot 7-1915. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 97 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6435MHz
 Channel: 97

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12870.00	Average	V	-	-	-85.33	21.92	43.59	68.23	-24.64
12870.00	Peak	V	-	-	-73.54	21.92	55.38	88.23	-32.85

Table 7-251. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 509 of 693




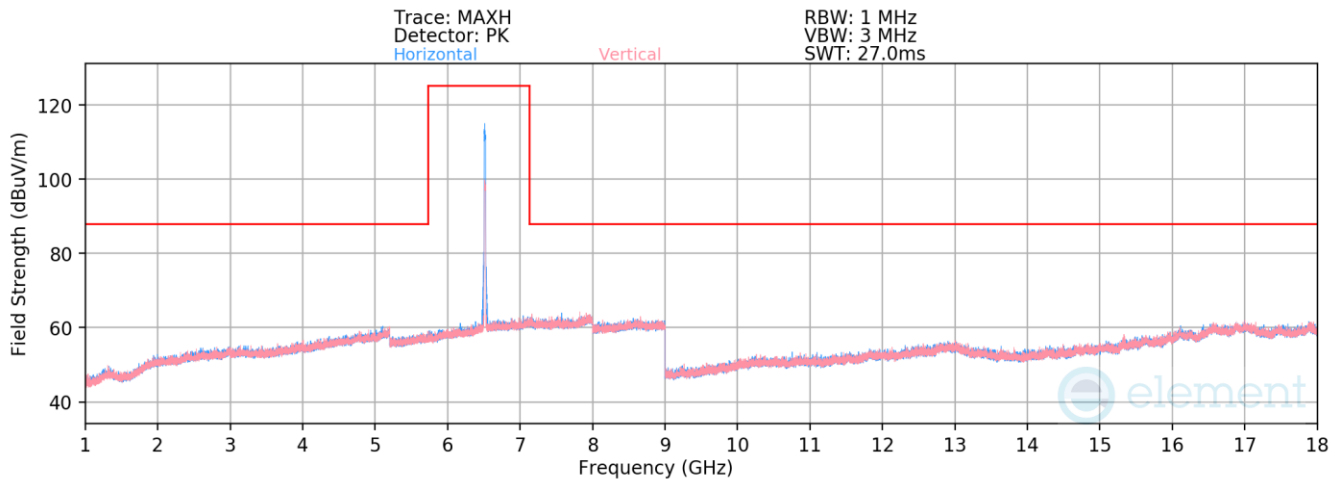
Plot 7-1916. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 105 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6475MHz
 Channel: 105

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
12950.00	Average	V	-	-	-85.35	22.18	43.82	68.23	-24.41
12950.00	Peak	V	-	-	-74.25	22.14	54.89	88.23	-33.34

Table 7-252. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 510 of 693




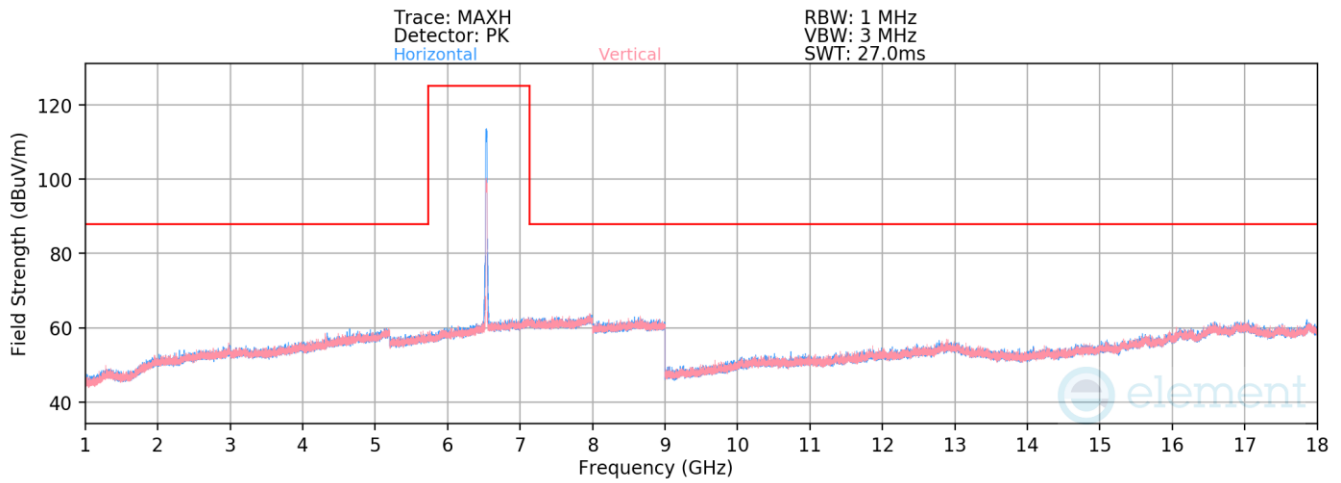
Plot 7-1917. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 113 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6515MHz
 Channel: 113

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13030.00	Average	H	-	-	-85.24	22.53	44.29	68.23	-23.94
13030.00	Peak	H	-	-	-73.61	22.59	55.98	88.23	-32.25

Table 7-253. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 511 of 693




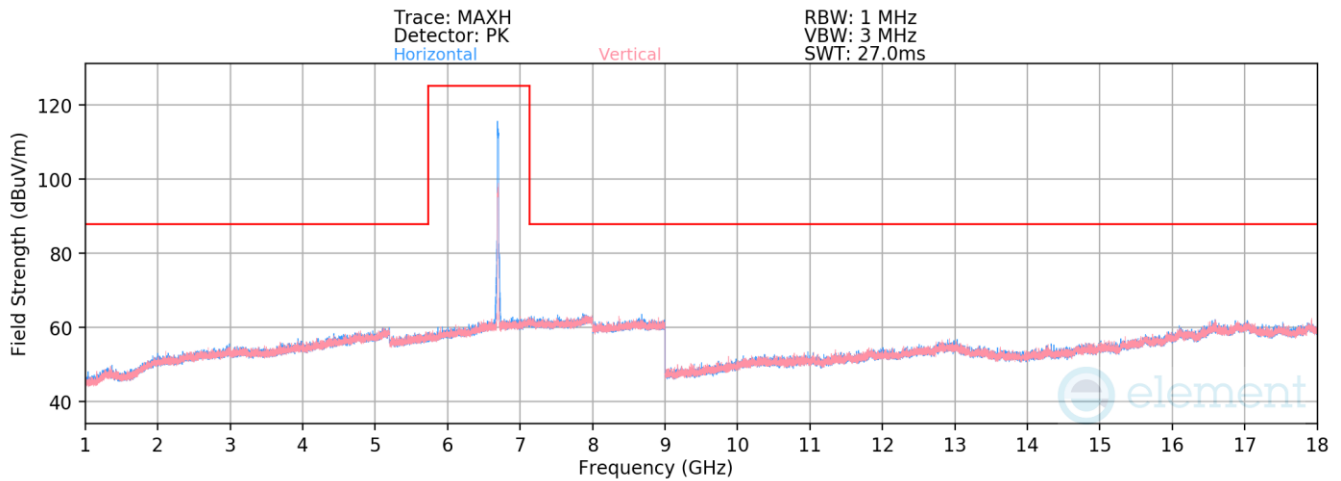
Plot 7-1918. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 117 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6535MHz
 Channel: 117

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13070.00	Average	V	-	-	-85.68	22.36	43.68	68.23	-24.55
13070.00	Peak	V	-	-	-74.45	22.18	54.73	88.23	-33.50

Table 7-254. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 512 of 693




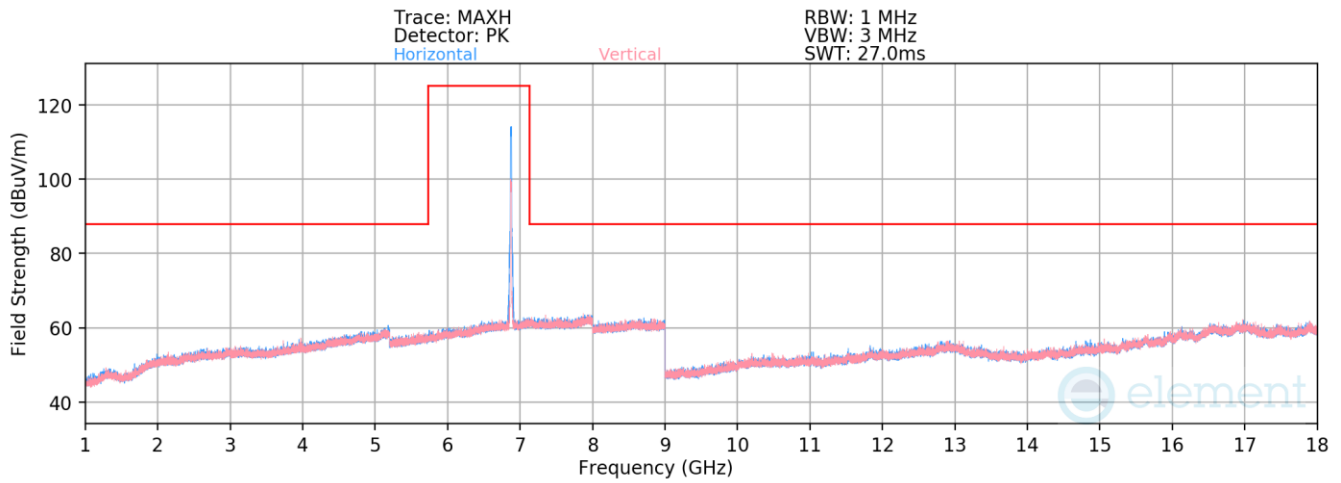
Plot 7-1919. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 149 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6695MHz
 Channel: 149

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	13390.00	Average	H	-	-	-85.97	22.63	43.65	53.98	-10.33
*	13390.00	Peak	H	-	-	-74.21	22.63	55.41	73.98	-18.57

Table 7-255. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 513 of 693



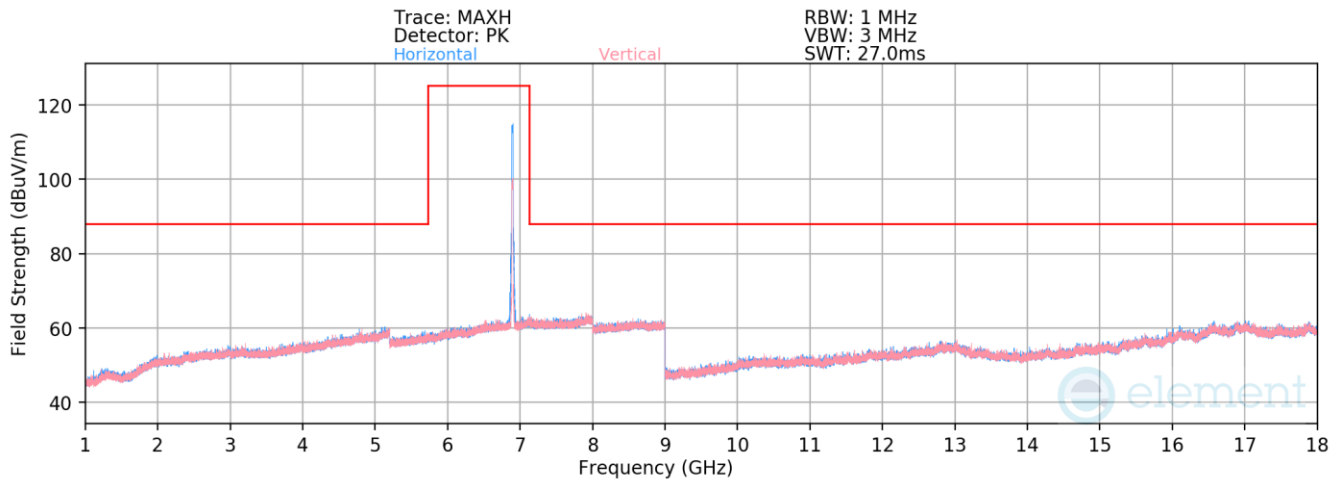
Plot 7-1920. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 185 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6875MHz
 Channel: 185

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
13750.00	Average	V	-	-	-85.80	22.03	43.23	68.23	-25.00
13750.00	Peak	V	-	-	-74.77	22.04	54.28	88.23	-33.95

Table 7-256. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 514 of 693




Plot 7-1921. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11ax – Ch. 189 – RU242)

Mode: 802.11ax
 Data Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 6895MHz
 Channel: 189

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
13790.00	Average	H	-	-	-86.25	22.41	43.16	68.23	-25.07
13790.00	Peak	H	-	-	-74.56	22.10	54.53	88.23	-33.70

Table 7-257. Radiated Spurious Emission Measurements Antenna 5T – RU242

FCC ID: BCGA2995		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200018-25-R1.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device		Page 515 of 693