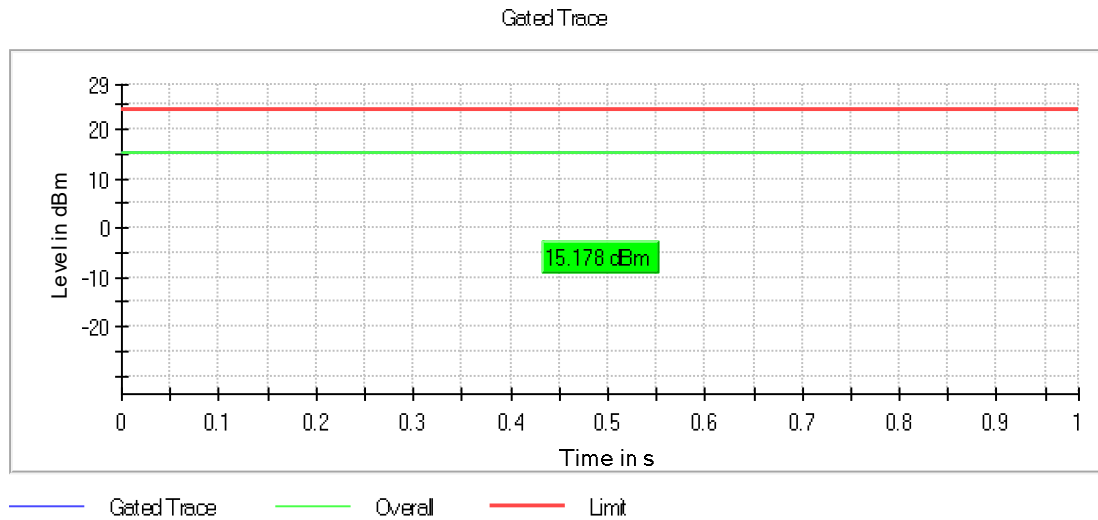
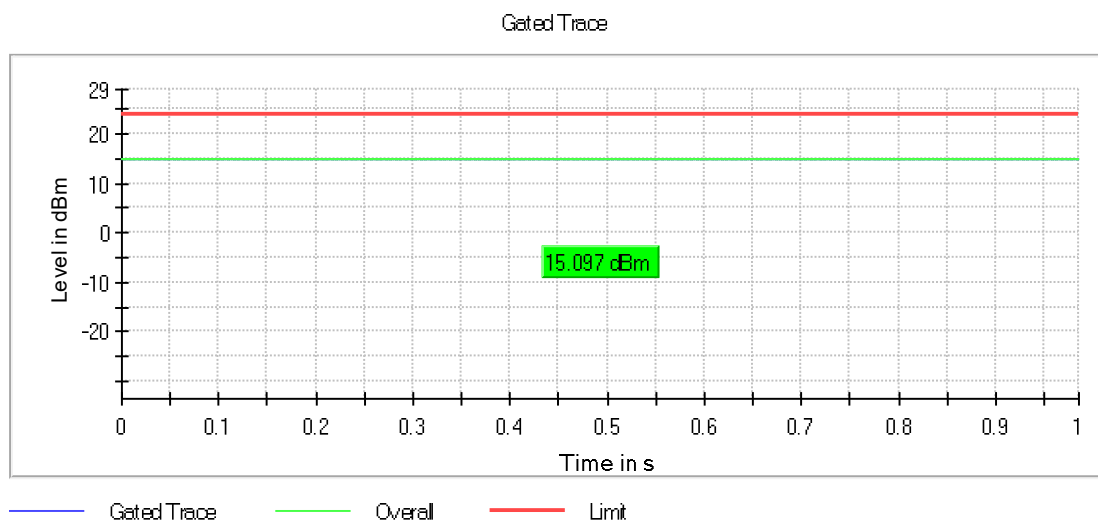
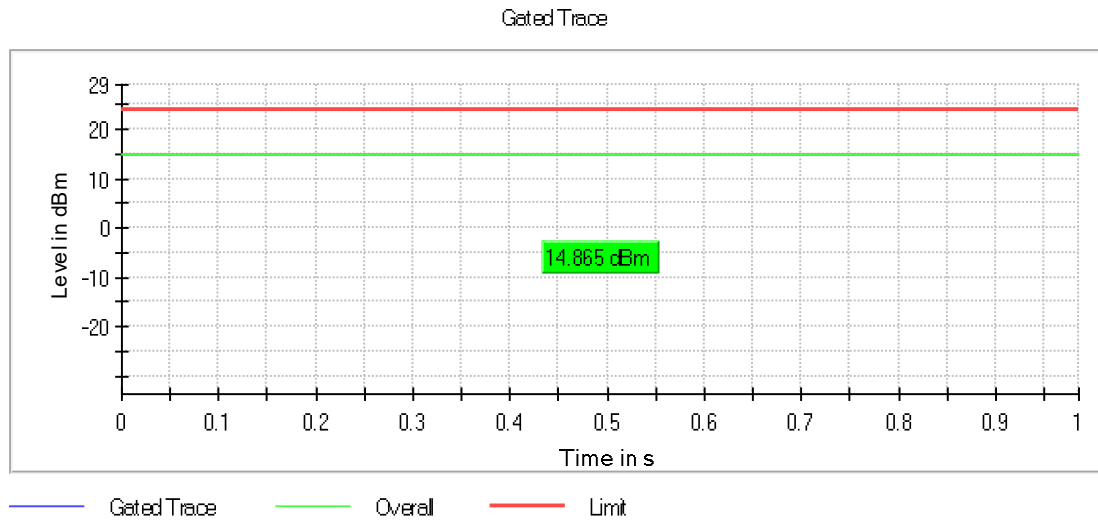




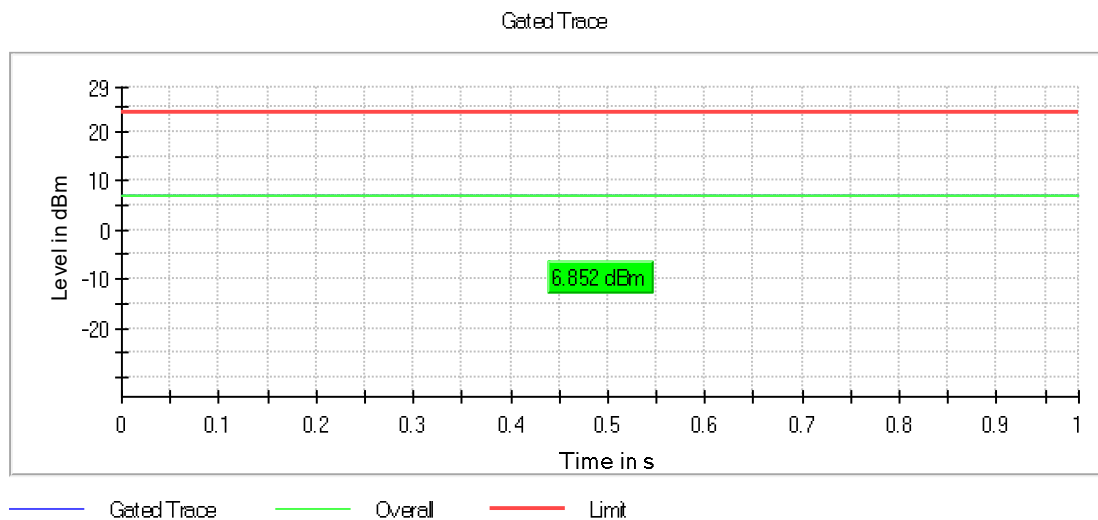
Graph 57: PM-G Power Transmitting at 5640 MHz (Power Level 20)



Graph 58: PM-G Power Transmitting at 5660 MHz (Power Level 20)



Graph 59: PM-G Power Transmitting at 5680 MHz (Power Level 20)



Graph 60: PM-G Power Transmitting at 5700 MHz (Power Level 16)

6.3.1.3 §15.407(a) Power Limits: Maximum Power Spectral Density (UNII 2)

The following tables show the adjusted power spectral density limits.

UNII-2 Power Spectral Density Limits

Power spectral density limits for the UNII-2 band are adjusted based on isotropic antenna gain.

Antenna Gain (dBi)	Default Gain (dBi)	Limit Change (dB)	Default Limit (dBm)	Adjusted Limit (dBm)
3.3	6	0	11	11

Table 13: UNII-2 Power spectral density limits based upon antenna gain

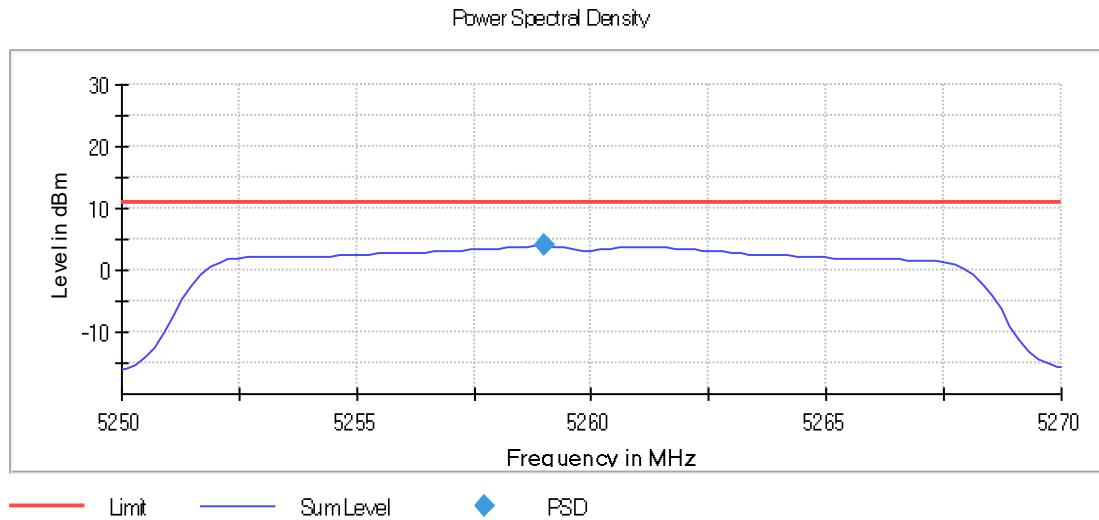
PSD was measured at the intended power set level per channel using Method SA-1 Alternative. See Section 6.2.3 for measurement graphics.

UNII-2 Power Spectral Density Measurements

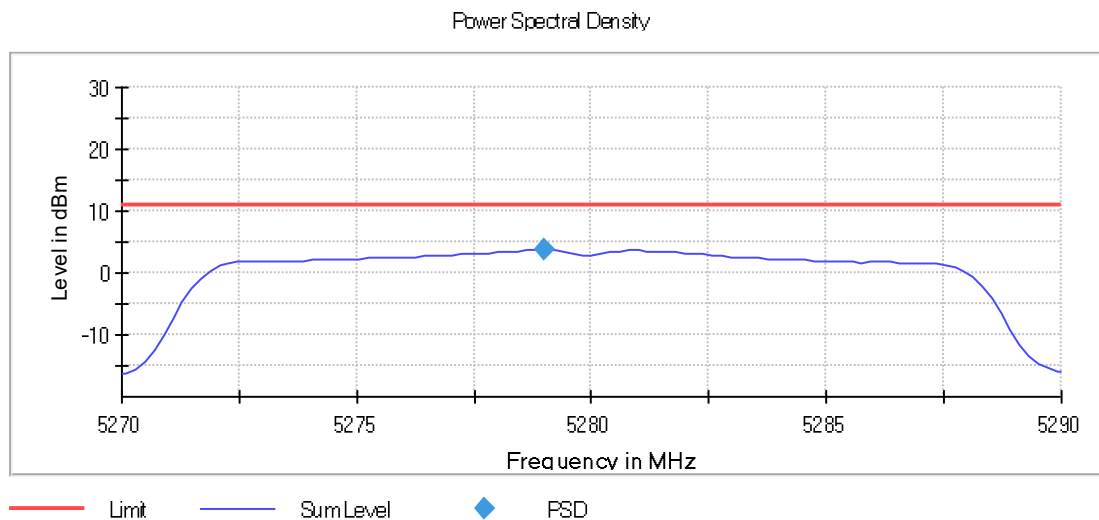
Frequency (MHz)	Conducted Power Density (dBm/MHz)	Conducted Power Density Limit (dBm/MHz)	Margin (dB)
5260	4.0	11	-7.0
5280	3.7	11	-7.3
5300	4.0	11	-7.0
5320	1.5	11	-9.5
5500	-2.0	11	-13.0
5520	2.0	11	-9.0
5540	1.4	11	-9.6
5560	1.3	11	-9.7
5580	1.3	11	-9.7
5600	1.3	11	-9.7
5620	1.2	11	-9.8
5640	1.3	11	-9.7
5660	1.2	11	-9.8
5680	1.1	11	-9.9
5700	-6.8	11	-17.8

Result

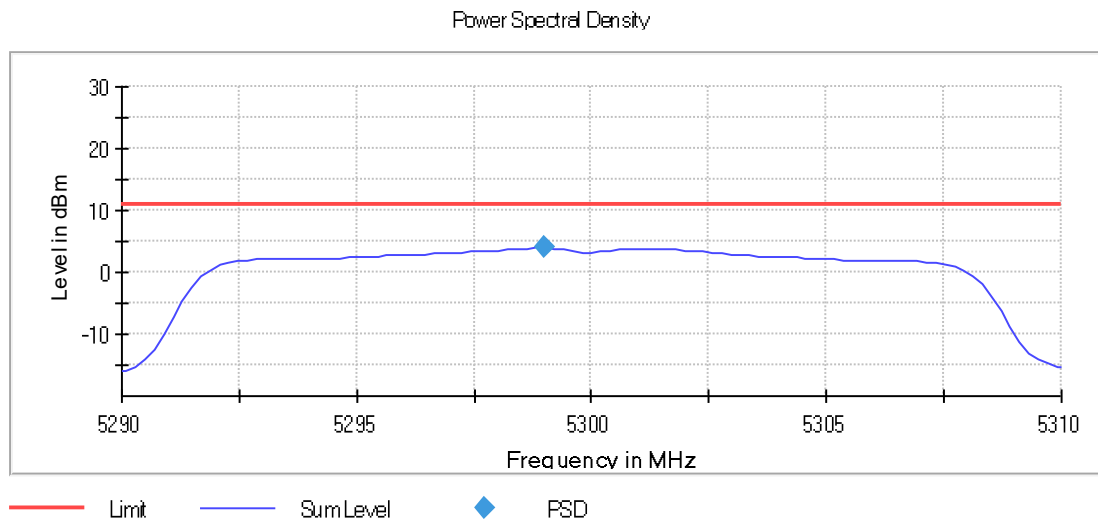
In the configurations tested the EUT complied with the requirements of the specification with a margin of 7.0 dB



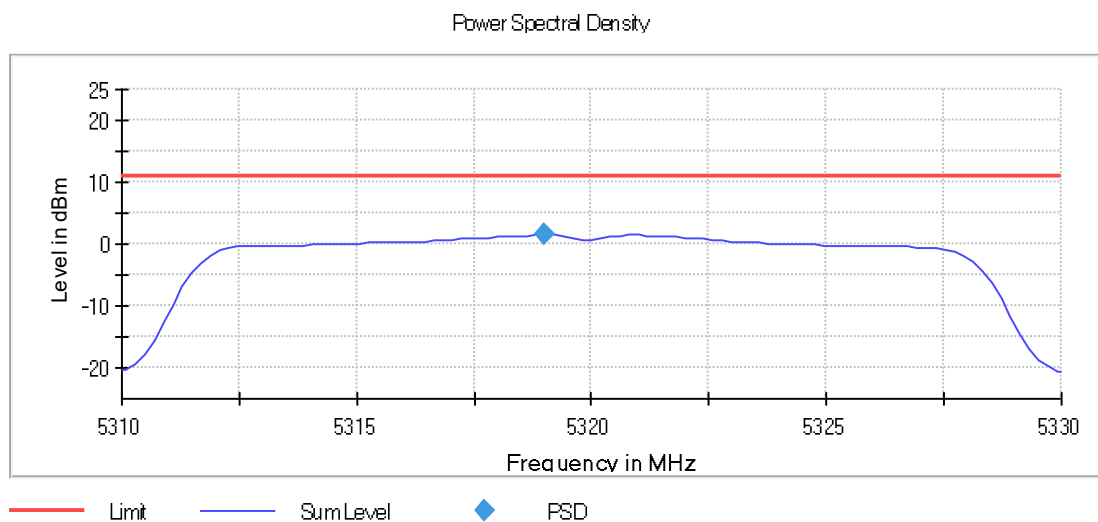
Graph 61: PSD Transmitting at 5260 MHz (Power Level 20)



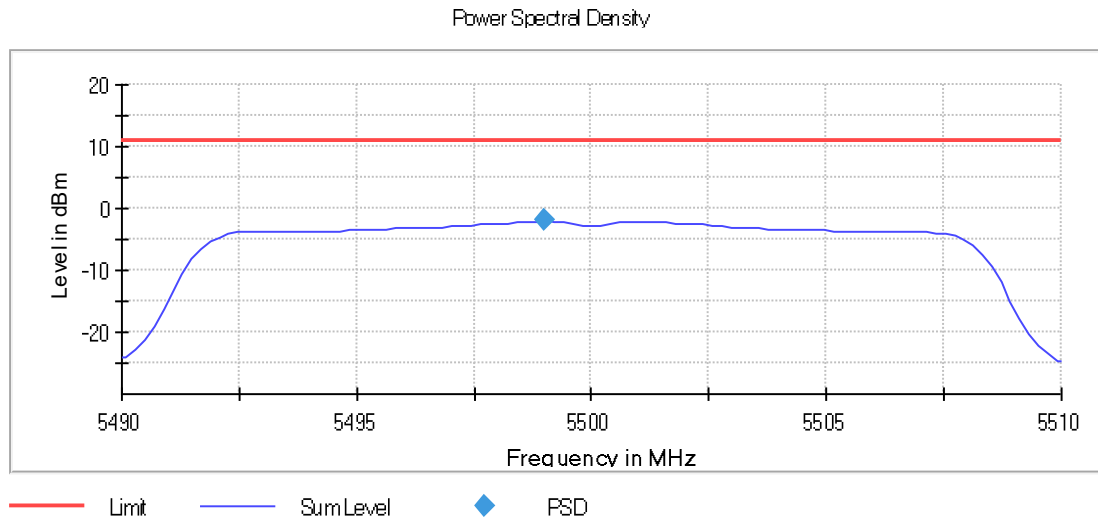
Graph 62: PSD Transmitting at 5280 MHz (Power Level 20)



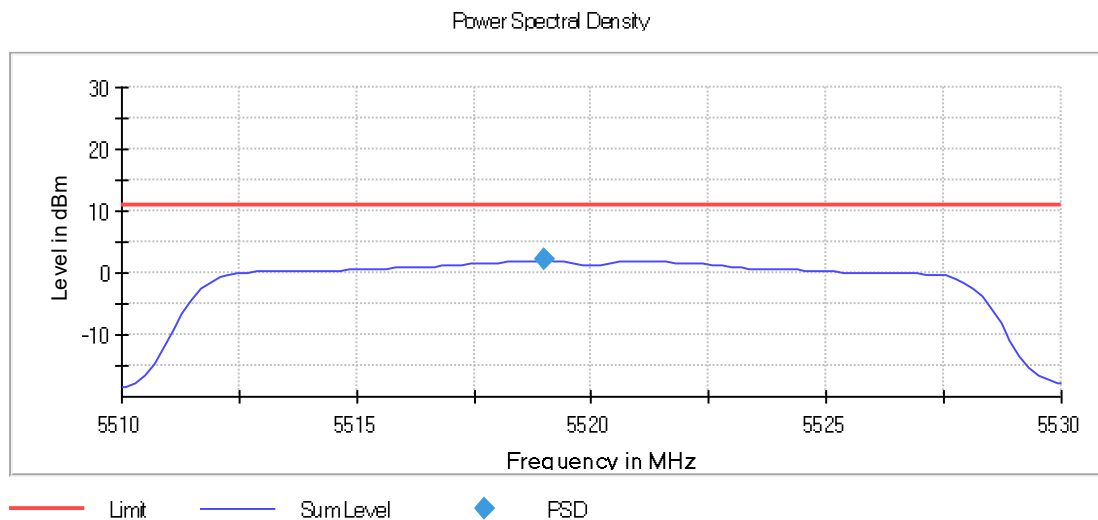
Graph 63: PSD Transmitting at 5300 MHz (Power Level 20)



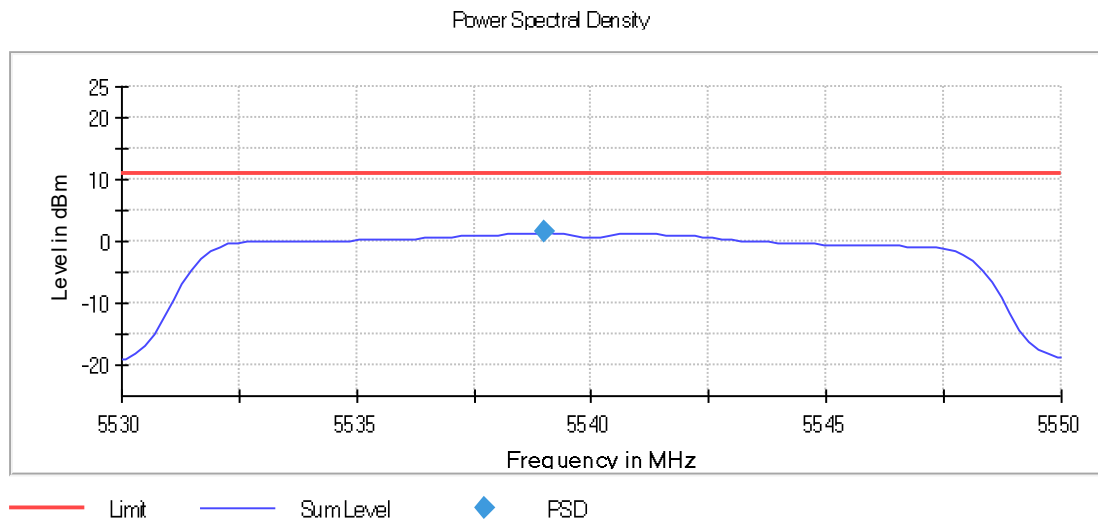
Graph 64: PSD Transmitting at 5320 MHz (Power Level 17)



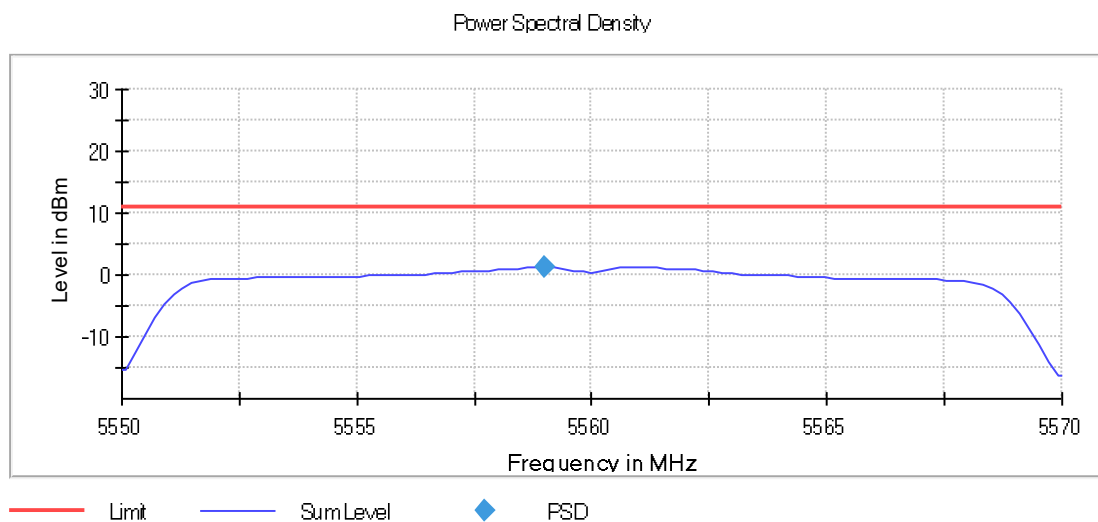
Graph 65: PSD Transmitting at 5500 MHz (Power Level 16)



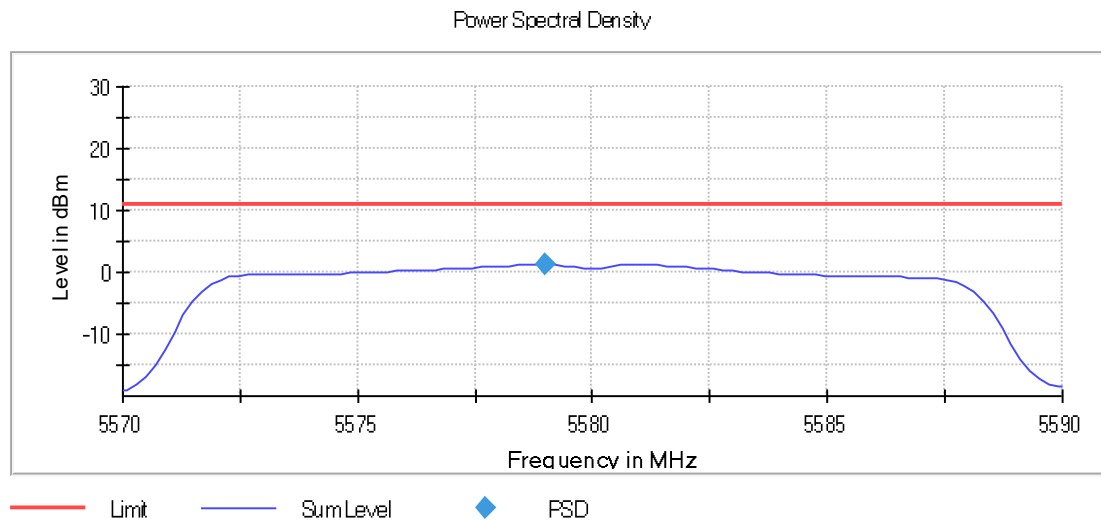
Graph 66: PSD Transmitting at 5520 MHz (Power Level 20)



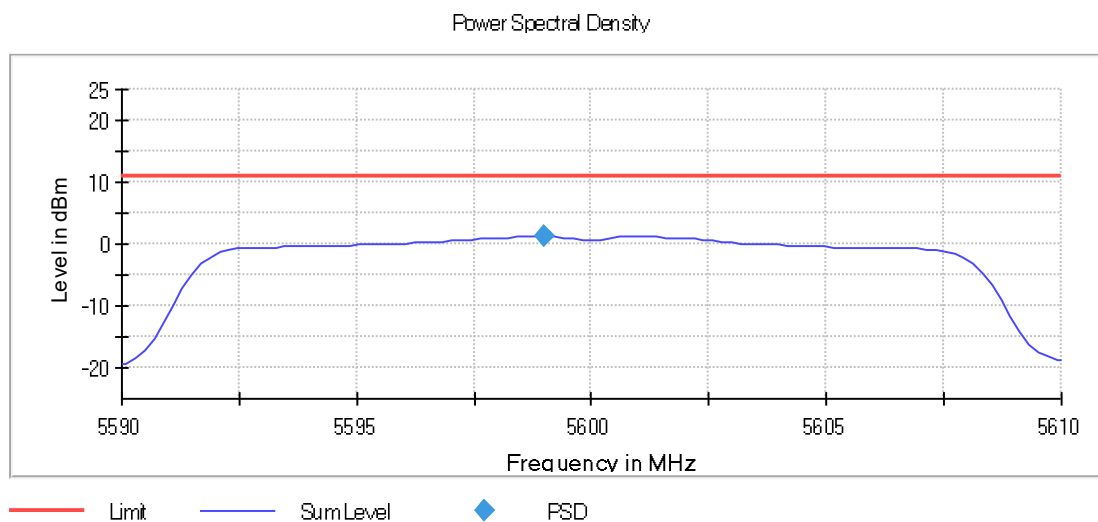
Graph 67: PSD Transmitting at 5540 MHz (Power Level 20)



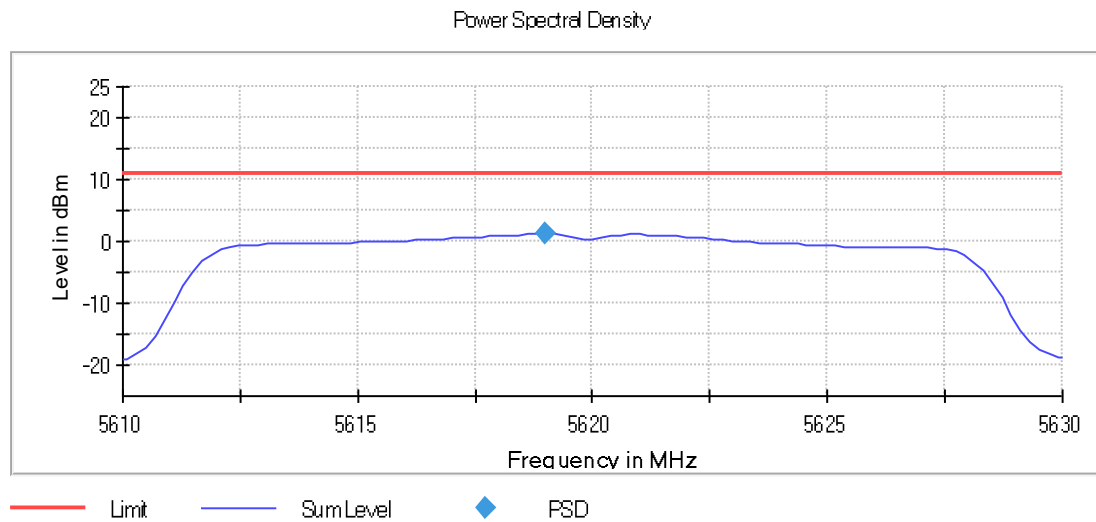
Graph 68: PSD Transmitting at 5560 MHz (Power Level 20)



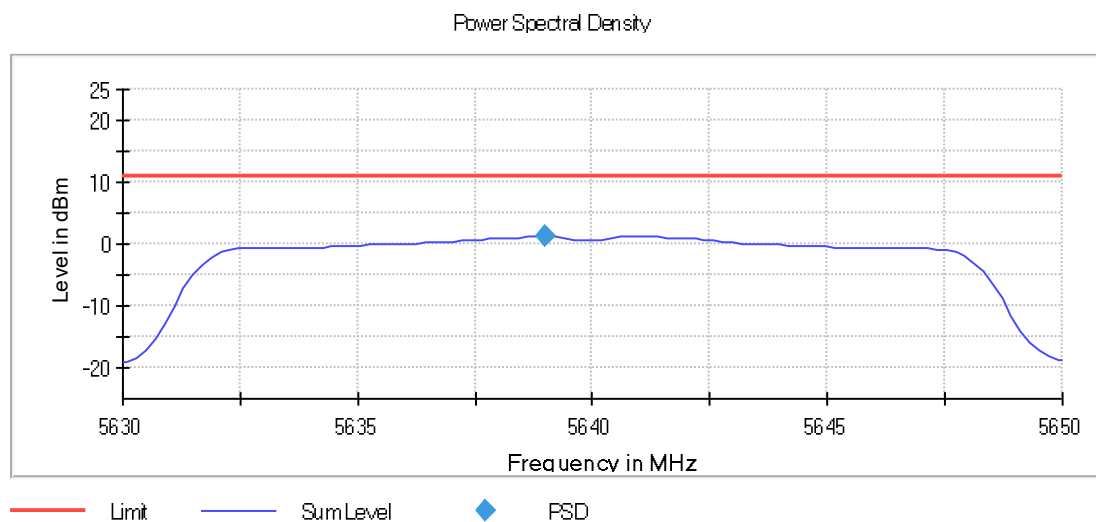
Graph 69: PSD Transmitting at 5580 MHz (Power Level 20)



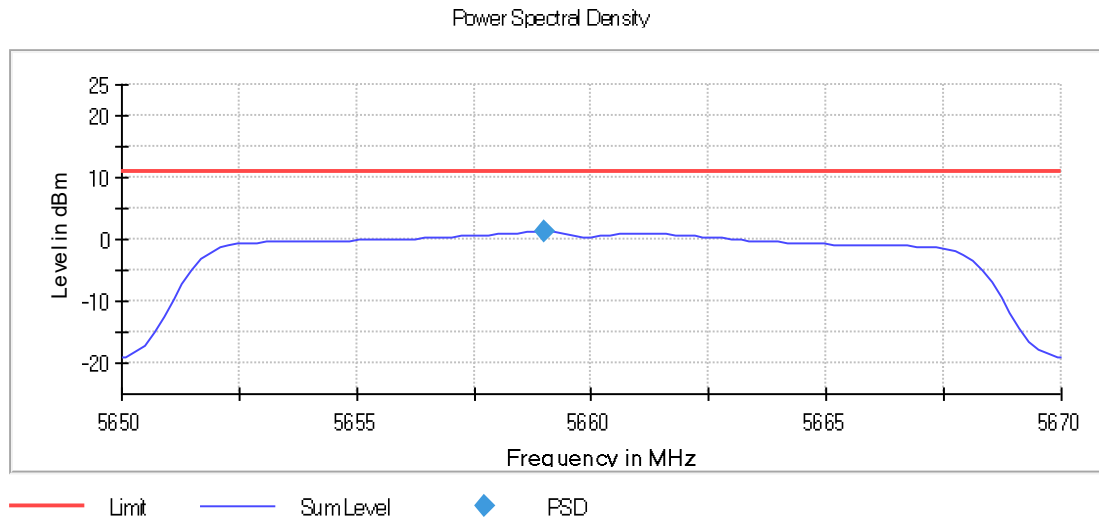
Graph 70: PSD Transmitting at 5600 MHz (Power Level 20)



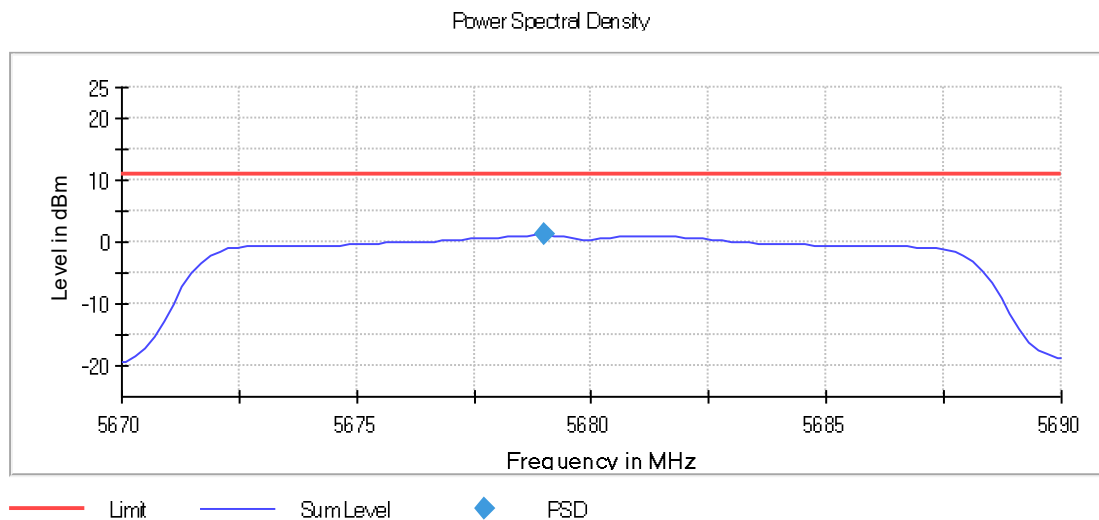
Graph 71: PSD Transmitting at 5620 MHz (Power Level 20)



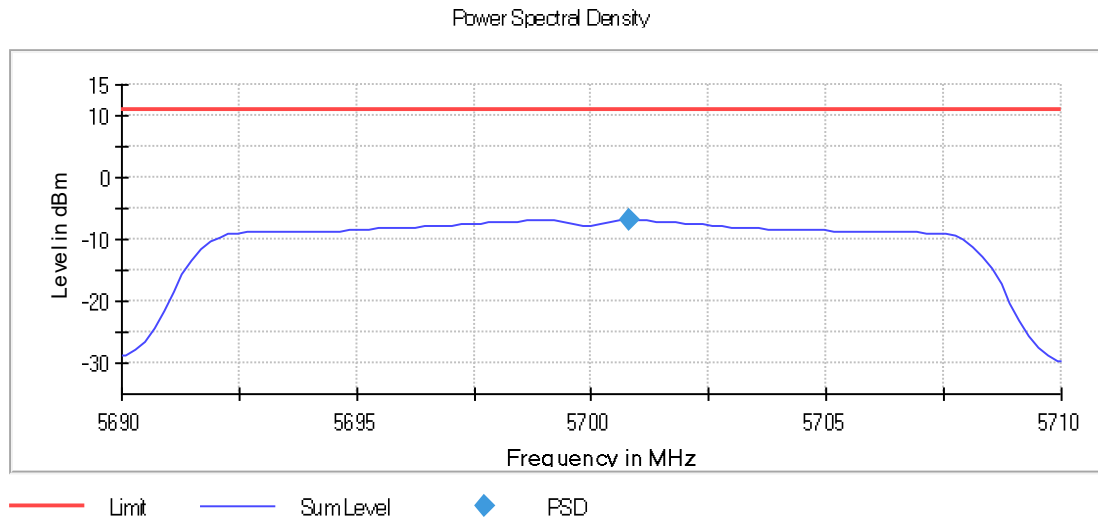
Graph 72: PSD Transmitting at 5640 MHz (Power Level 20)



Graph 73: PSD Transmitting at 5660 MHz (Power Level 20)



Graph 74: PSD Transmitting at 5680 MHz (Power Level 20)



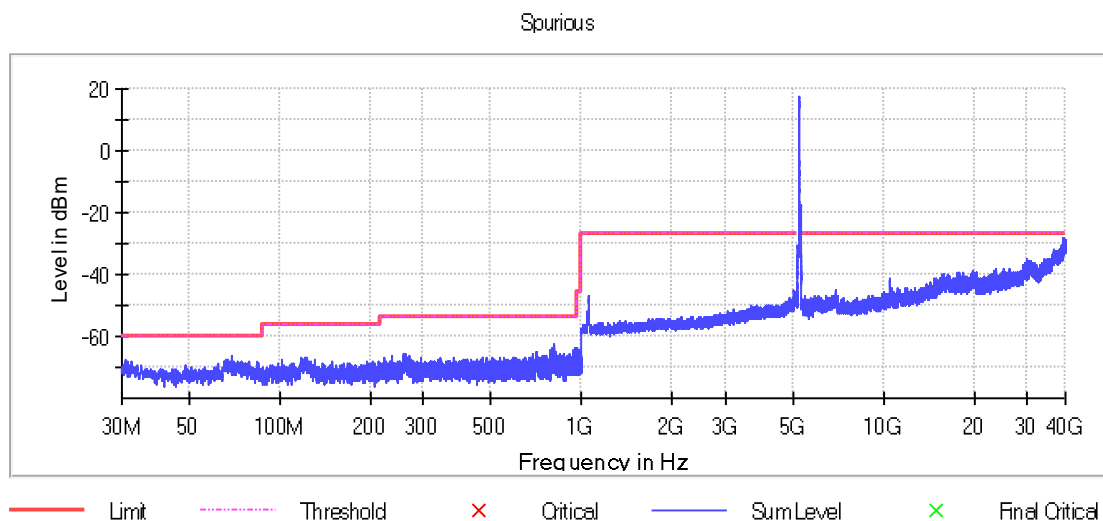
Graph 75: PSD Transmitting at 5700 MHz (Power Level 16)

6.3.1.4 §15.407(b) and §15.207 Undesirable Emissions – Restricted Bands (UNII 2)

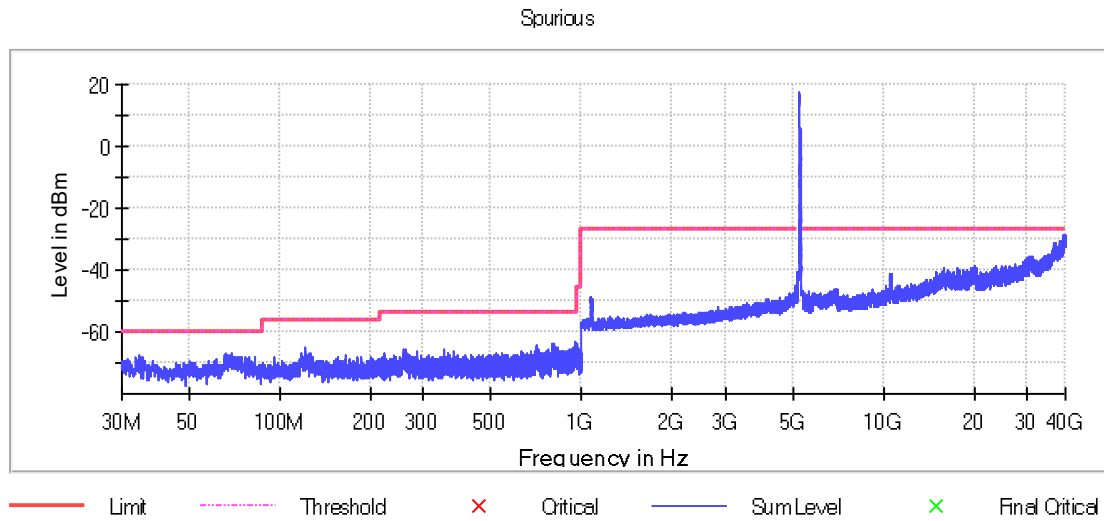
Undesirable radiated emissions in the restricted bands above 1GHz were tested radiated at the low, middle, and high channels at the maximum possible power setting (20). Radiated emissions were measured on both T5IW8 and T5IW11.

Undesirable Emissions were also measured as conducted at the Antenna Port for each channel with stepped powers and corrected using the highest gain antenna (3.3dBi) according to C63.10, sections 11.12.2.2 and 11.12.2.6. Frequencies below 1000MHz were tested for compliance with 15.209 limits with 100kHz RBW at the intended power set level per channel shown in Section 2.3 and noted below. Measurement graphs show max-peak detector results. Below 1000 MHz, when emissions approach the limit, those frequencies are measured with a quasi-peak detector to determine compliance, and those results will be tabulated below the measurement graph.

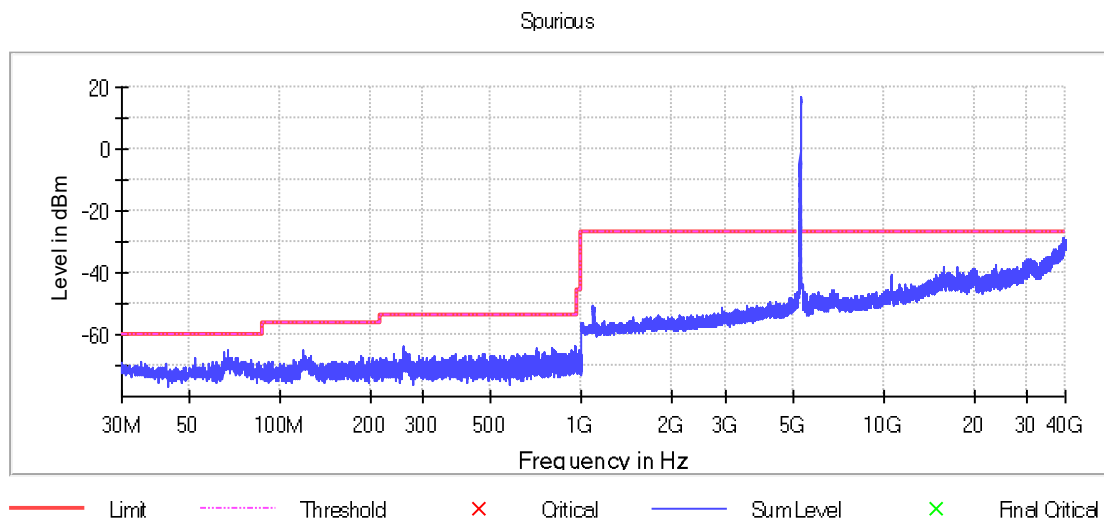
Emissions Transmitting 5260 MHz at Power Level 20:



Emissions Transmitting 5280 MHz at Power Level 20:

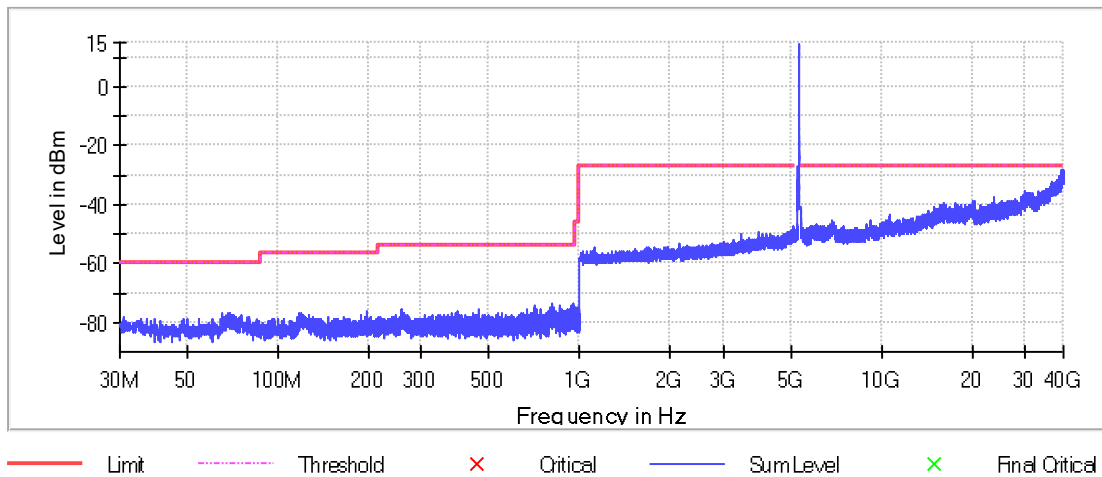


Emissions Transmitting 5300 MHz at Power Level 20:



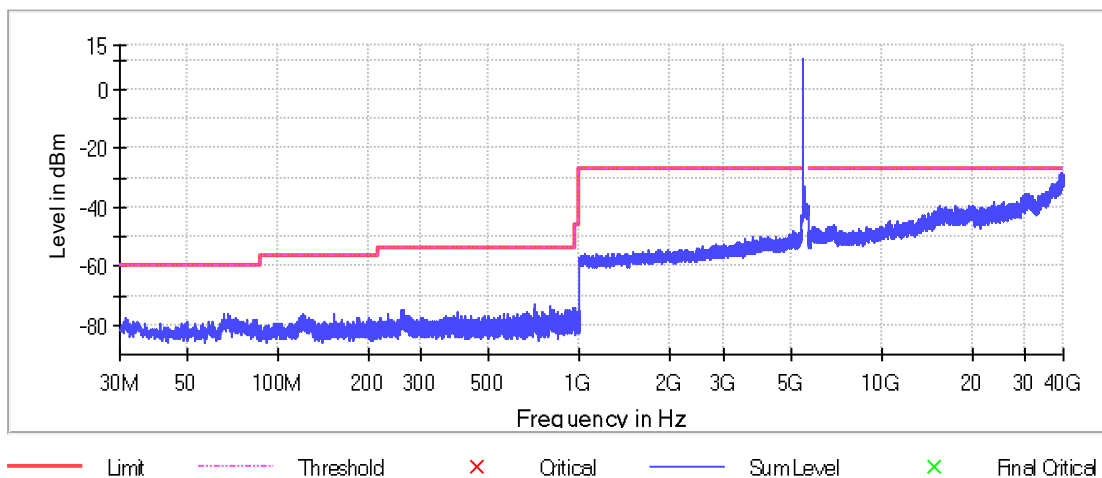
Emissions Transmitting 5320 MHz at Power Level 17:

Spurious



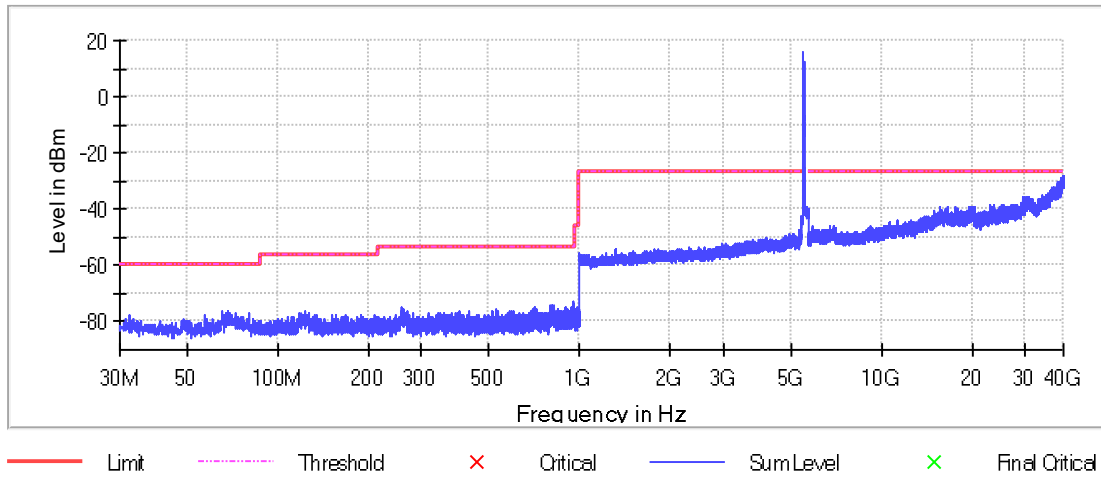
Emissions Transmitting 5500 MHz at Power Level 16:

Spurious



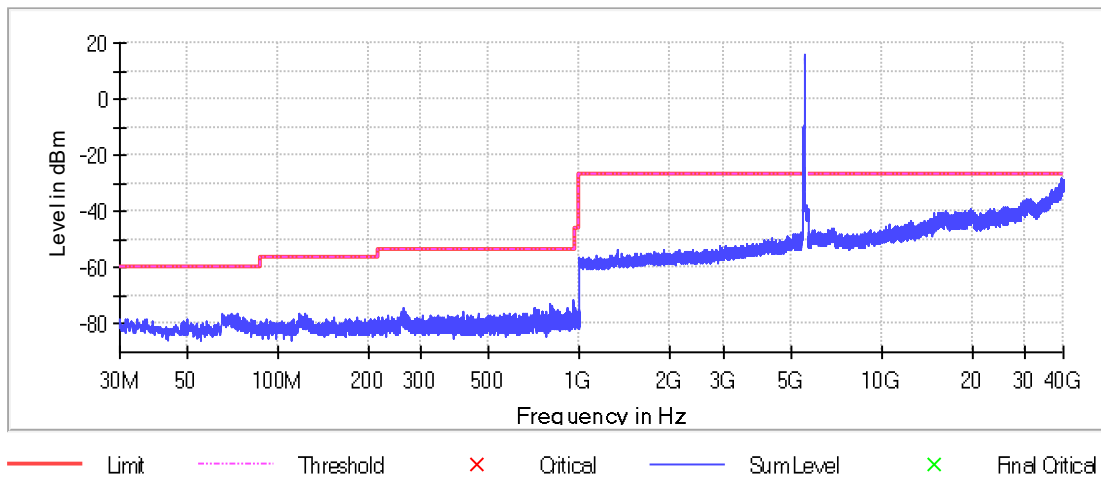
Emissions Transmitting 5520 MHz at Power Level 20:

Spurious



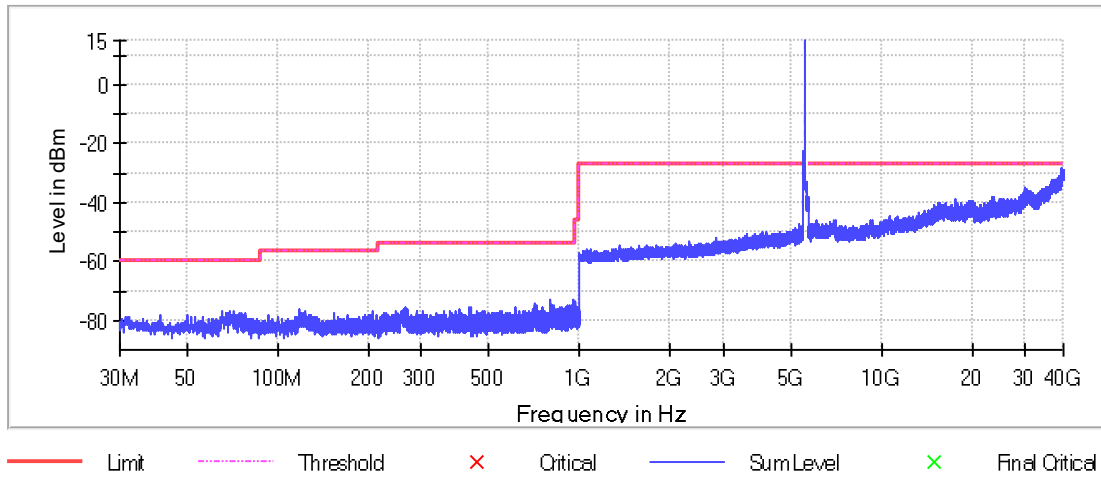
Emissions Transmitting 5540 MHz at Power Level 20:

Spurious



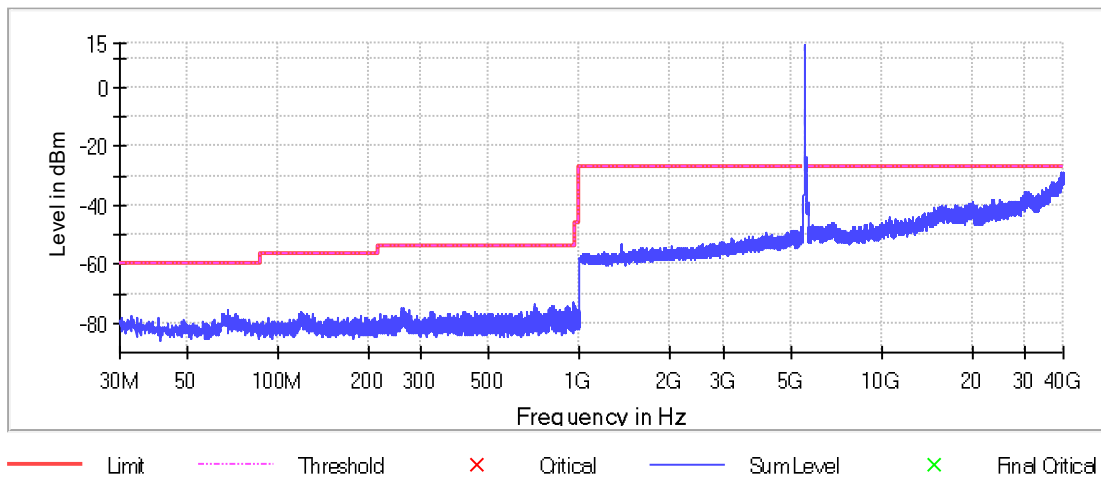
Emissions Transmitting 5560 MHz at Power Level 20:

Spurious



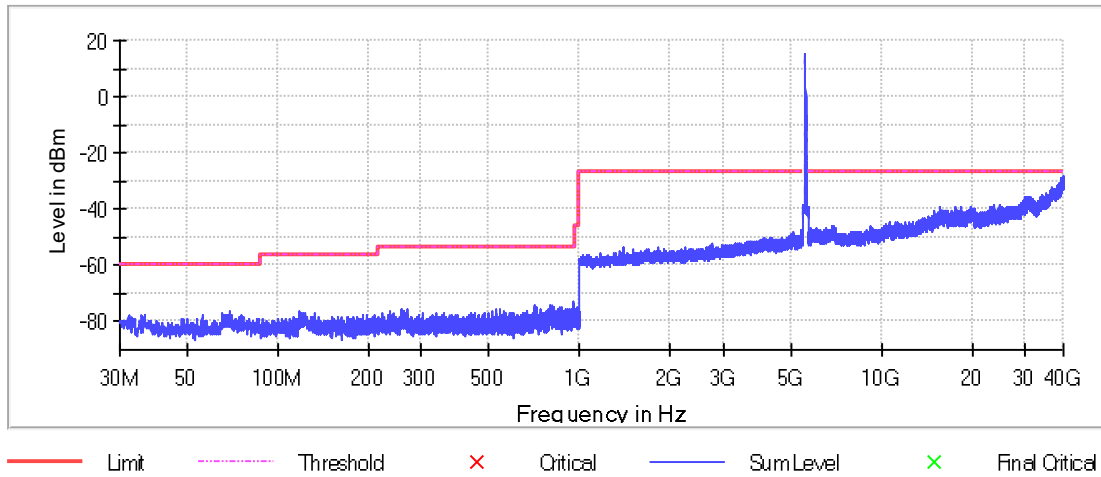
Emissions Transmitting 5580 MHz at Power Level 20:

Spurious



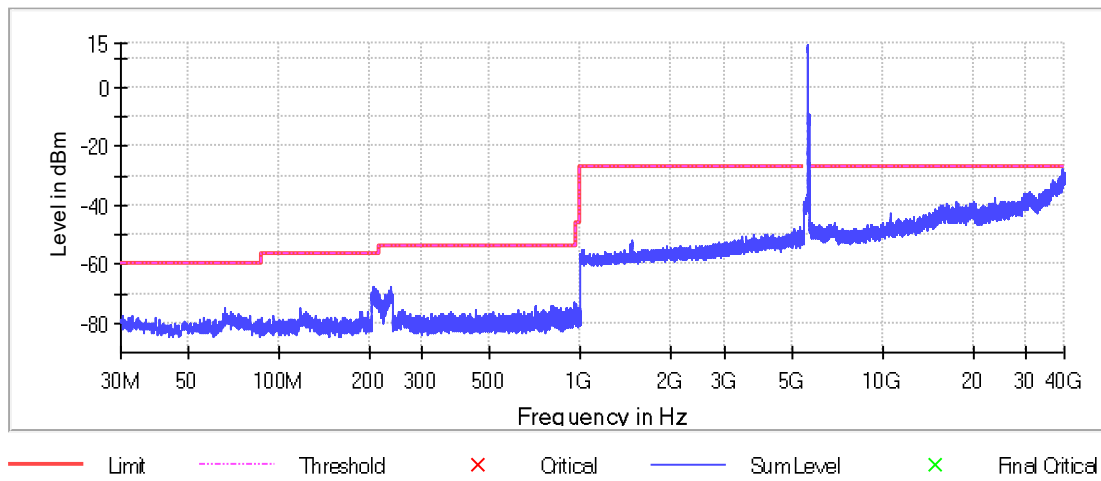
Emissions Transmitting 5600 MHz at Power Level 20:

Spurious

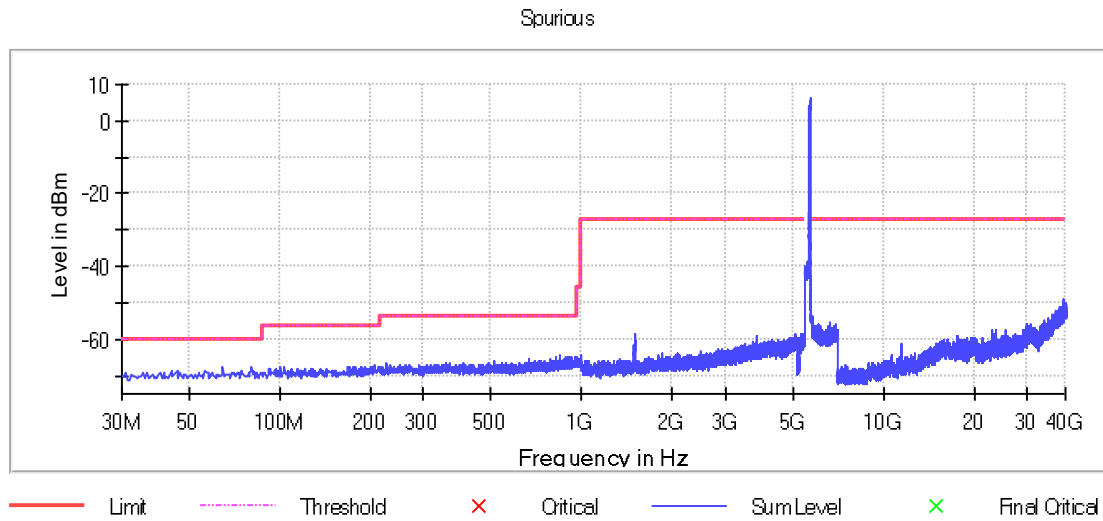


Emissions Transmitting 5680 MHz at Power Level 20:

Spurious



Emissions Transmitting 5700 MHz at Power Level 16:



T5IW8 Radiated Emissions Above 1000MHz Transmitting 5260 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10521.7	Peak	Vertical	39.8	15.0	54.8	74.0	-19.2
10518.3	Average	Vertical	26.8	15.0	41.8	54.0	-12.2
10522.2	Peak	Horizontal	41.8	15.0	56.8	74.0	-17.2
10521.7	Average	Horizontal	28.8	15.0	43.8	54.0	-10.2
15783.2	Peak	Vertical	42.0	15.7	57.7	74.0	-16.3
15777.0	Average	Vertical	28.1	15.7	43.8	54.0	-10.2
15783.2	Peak	Horizontal	44.6	15.7	60.3	74.0	-13.7
15776.9	Average	Horizontal	31.1	15.7	46.8	54.0	-7.2
21011.0	Peak	Vertical	39.4	17.1	56.5	74.0	-17.5
21039.9	Average	Vertical	26.4	17.2	43.6	54.0	-10.4
21044.4	Peak	Horizontal	39.5	17.2	56.7	74.0	-17.3
21040.2	Average	Horizontal	26.8	17.2	44.0	54.0	-10.0
26356.4	Peak	Vertical	38.7	21.8	60.5	74.0	-13.5
26246.8	Average	Vertical	24.5	21.9	46.4	54.0	-7.6
26230.1	Peak	Horizontal	38.4	22.0	60.4	74.0	-13.6
26309.9	Average	Horizontal	24.8	21.8	46.6	54.0	-7.4
31535.7	Peak	Vertical	29.0	28.2	57.2	74.0	-16.8

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
31575.3	Average	Vertical	15.4	28.1	43.5	54.0	-10.5
31509.4	Peak	Horizontal	29.9	28.3	58.2	74.0	-15.8
31509.4	Average	Horizontal	16.1	28.3	44.4	54.0	-9.6
36759.9	Peak	Vertical	29.3	28.5	57.8	74.0	-16.2
36740.2	Average	Vertical	15.8	28.6	44.4	54.0	-9.6
36807.0	Peak	Horizontal	29.9	28.4	58.3	74.0	-15.7
36786.4	Average	Horizontal	16.0	28.5	44.5	54.0	-9.5

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5300 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
10599.2	Peak	Vertical	38.8	15.3	54.1	74.0	-19.9
10596.8	Average	Vertical	26.1	15.3	41.4	54.0	-12.6
10601.3	Peak	Horizontal	40.4	15.3	55.7	74.0	-18.3
10596.3	Average	Horizontal	28.2	15.3	43.5	54.0	-10.5
15893.8	Peak	Vertical	38.1	15.8	53.9	74.0	-20.1
15896.5	Average	Vertical	25.7	15.8	41.5	54.0	-12.5
15903.2	Peak	Horizontal	42.3	15.8	58.1	74.0	-15.9
15897.2	Average	Horizontal	28.5	15.8	44.3	54.0	-9.7
21201.4	Peak	Vertical	39.0	17.8	56.8	74.0	-17.2
21200.2	Average	Vertical	26.0	17.8	43.7	54.0	-10.3
21178.3	Peak	Horizontal	39.1	17.7	56.8	74.0	-17.2
21199.6	Average	Horizontal	26.1	17.8	43.9	54.0	-10.1
26434.2	Peak	Vertical	38.9	21.7	60.6	74.0	-13.4
26457.0	Average	Vertical	25.2	21.7	46.9	54.0	-7.1
26442.6	Peak	Horizontal	38.7	21.7	60.4	74.0	-13.6
26450.7	Average	Horizontal	25.3	21.7	47.0	54.0	-7.0
31877.6	Peak	Vertical	29.6	27.4	57.0	74.0	-17.0
31862.6	Average	Vertical	15.5	27.4	42.9	54.0	-11.1
31762.4	Peak	Horizontal	30.0	27.6	57.6	74.0	-16.4
31733.0	Average	Horizontal	16.9	27.7	44.6	54.0	-9.4

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
37107.1	Peak	Vertical	29.1	28.7	57.8	74.0	-16.2
37144.1	Average	Vertical	15.7	28.7	44.4	54.0	-9.6
37105.7	Peak	Horizontal	28.8	28.7	57.4	74.0	-16.6
37133.4	Average	Horizontal	15.8	28.7	44.5	54.0	-9.5

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5320 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10640.7	Peak	Vertical	38.8	15.6	54.4	74.0	-19.7
10639.5	Average	Vertical	25.4	15.6	41.0	54.0	-13.0
10639.3	Peak	Horizontal	41.2	15.6	56.8	74.0	-17.2
10638.6	Average	Horizontal	27.7	15.6	43.3	54.0	-10.7
15954.0	Peak	Vertical	39.4	16.0	55.4	74.0	-18.6
15957.3	Average	Vertical	26.0	16.0	42.0	54.0	-12.0
15953.6	Peak	Horizontal	41.7	16.0	57.7	74.0	-16.3
15960.4	Average	Horizontal	28.4	16.0	44.4	54.0	-9.6
21301.7	Peak	Vertical	39.4	18.0	57.4	74.0	-16.6
21280.1	Average	Vertical	26.5	18.0	44.4	54.0	-9.6
21282.3	Peak	Horizontal	39.9	18.0	57.8	74.0	-16.2
21279.9	Average	Horizontal	26.6	18.0	44.5	54.0	-9.5
26613.5	Peak	Vertical	31.5	24.8	56.2	74.0	-17.8
26632.9	Average	Vertical	17.8	24.9	42.7	54.0	-11.3
26648.9	Peak	Horizontal	31.4	25.0	56.4	74.0	-17.7
26567.9	Average	Horizontal	18.2	24.6	42.7	54.0	-11.3
31951.5	Peak	Vertical	29.5	27.2	56.7	74.0	-17.3
31928.1	Average	Vertical	16.2	27.3	43.5	54.0	-10.6
31912.4	Peak	Horizontal	29.8	27.3	57.1	74.0	-16.9
31920.7	Average	Horizontal	16.3	27.3	43.5	54.0	-10.5
37334.1	Peak	Vertical	30.2	29.0	59.2	74.0	-14.8
37262.5	Average	Vertical	15.9	28.9	44.8	54.0	-9.2
37193.8	Peak	Horizontal	29.6	28.8	58.4	74.0	-15.6

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
37216.3	Average	Horizontal	15.8	28.8	44.6	54.0	-9.4

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5500 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10999.0	Peak	Vertical	36.3	16.0	52.3	74.0	-21.7
10999.3	Average	Vertical	24.0	16.0	40.0	54.0	-14.0
10999.0	Peak	Horizontal	37.3	16.0	53.3	74.0	-20.7
11002.2	Average	Horizontal	24.6	16.0	40.6	54.0	-13.4
16503.2	Peak	Vertical	36.2	18.1	54.3	74.0	-19.7
16497.0	Average	Vertical	23.4	18.0	41.5	54.0	-12.6
16493.8	Peak	Horizontal	38.6	18.0	56.6	74.0	-17.4
16496.8	Average	Horizontal	25.1	18.0	43.1	54.0	-10.9
22008.2	Peak	Vertical	38.8	19.3	58.1	74.0	-15.9
21999.8	Average	Vertical	26.9	19.4	46.2	54.0	-7.8
22010.7	Peak	Horizontal	39.2	19.3	58.5	74.0	-15.5
21999.8	Average	Horizontal	27.8	19.4	47.2	54.0	-6.8
27437.0	Peak	Vertical	32.6	23.4	55.9	74.0	-18.1
27478.7	Average	Vertical	19.3	23.2	42.5	54.0	-11.5
27502.9	Peak	Horizontal	32.7	23.1	55.8	74.0	-18.2
27470.9	Average	Horizontal	19.5	23.2	42.7	54.0	-11.3
32937.9	Peak	Vertical	29.3	27.4	56.7	74.0	-17.3
32929.3	Average	Vertical	16.1	27.4	43.6	54.0	-10.4
32962.6	Peak	Horizontal	30.9	27.4	58.3	74.0	-15.7
32926.6	Average	Horizontal	16.4	27.5	43.8	54.0	-10.2
38532.8	Peak	Vertical	29.8	29.5	59.2	74.0	-14.8
38442.3	Average	Vertical	17.0	29.2	46.2	54.0	-7.8
38504.2	Peak	Horizontal	30.5	29.4	59.9	74.0	-14.1
38486.4	Average	Horizontal	17.1	29.3	46.5	54.0	-7.5

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5600 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11205.5	Peak	Vertical	36.3	17.4	53.7	74.0	-20.3
11202.4	Average	Vertical	23.8	17.4	41.2	54.0	-12.9
11191.1	Peak	Horizontal	37.0	17.3	54.3	74.0	-19.7
11198.4	Average	Horizontal	23.7	17.4	41.1	54.0	-13.0
16801.4	Peak	Vertical	34.5	19.5	54.0	74.0	-20.0
16796.2	Average	Vertical	21.6	19.5	41.1	54.0	-12.9
16769.3	Peak	Horizontal	34.5	19.5	54.0	74.0	-20.0
16798.2	Average	Horizontal	21.9	19.5	41.4	54.0	-12.6
22439.4	Peak	Vertical	38.5	19.5	58.1	74.0	-15.9
22399.9	Average	Vertical	25.9	19.4	45.3	54.0	-8.8
22401.1	Peak	Horizontal	39.1	19.4	58.5	74.0	-15.5
22400.0	Average	Horizontal	26.3	19.4	45.6	54.0	-8.4
28052.5	Peak	Vertical	33.7	22.5	56.2	74.0	-17.9
28023.0	Average	Vertical	19.8	22.6	42.4	54.0	-11.6
28018.9	Peak	Horizontal	33.6	22.6	56.2	74.0	-17.8
28001.2	Average	Horizontal	19.9	22.7	42.6	54.0	-11.4
33586.0	Peak	Vertical	29.1	26.9	56.0	74.0	-18.0
33515.4	Average	Vertical	15.9	27.1	42.9	54.0	-11.1
33588.5	Peak	Horizontal	29.4	26.9	56.2	74.0	-17.8
33609.4	Average	Horizontal	16.0	26.8	42.8	54.0	-11.2
39117.3	Peak	Vertical	29.6	31.7	61.3	74.0	-12.7
39275.8	Average	Vertical	14.5	34.0	48.5	54.0	-5.5
39134.1	Peak	Horizontal	29.6	31.9	61.5	74.0	-12.5
39243.5	Average	Horizontal	14.4	33.6	47.9	54.0	-6.1

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5700 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11400.4	Peak	Vertical	36.3	17.2	53.5	74.0	-20.5
11400.1	Average	Vertical	23.3	17.2	40.5	54.0	-13.5

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
11392.4	Peak	Horizontal	36.0	17.2	53.2	74.0	-20.8
11397.8	Average	Horizontal	23.0	17.2	40.2	54.0	-13.8
17103.0	Peak	Vertical	34.2	20.5	54.7	74.0	-19.4
17096.9	Average	Vertical	21.3	20.5	41.8	54.0	-12.2
17096.7	Peak	Horizontal	33.9	20.5	54.3	74.0	-19.7
17097.4	Average	Horizontal	21.3	20.5	41.8	54.0	-12.2
22810.0	Peak	Vertical	39.2	20.5	59.7	74.0	-14.3
22799.8	Average	Vertical	26.2	20.5	46.6	54.0	-7.4
22792.1	Peak	Horizontal	39.1	20.5	59.6	74.0	-14.4
22800.1	Average	Horizontal	26.4	20.5	46.9	54.0	-7.1
28483.8	Peak	Vertical	33.5	22.3	55.8	74.0	-18.2
28496.6	Average	Vertical	19.6	22.4	42.0	54.0	-12.0
28522.8	Peak	Horizontal	33.4	22.4	55.7	74.0	-18.3
28506.5	Average	Horizontal	19.8	22.4	42.1	54.0	-11.9
34159.9	Peak	Vertical	28.6	28.9	57.4	74.0	-16.6
34175.3	Average	Vertical	15.2	28.8	44.0	54.0	-10.0
34171.7	Peak	Horizontal	28.8	28.8	57.7	74.0	-16.3
34145.5	Average	Horizontal	15.3	28.9	44.2	54.0	-9.8
39968.8	Peak	Vertical	26.0	38.4	64.4	74.0	-9.6
39921.5	Average	Vertical	10.8	37.5	48.3	54.0	-5.7
39881.9	Peak	Horizontal	27.3	37.1	64.4	74.0	-9.6
39936.9	Average	Horizontal	10.4	37.8	48.1	54.0	-5.9

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5260 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10518.7	Peak	Vertical	36.6	15.0	51.6	74.0	-22.4
10521.7	Average	Vertical	23.6	15.0	38.6	54.0	-15.4
10518.0	Peak	Horizontal	37.2	15.0	52.2	74.0	-21.8
10517.1	Average	Horizontal	25.0	15.0	40.0	54.0	-14.1
15769.5	Peak	Vertical	36.6	15.7	52.3	74.0	-21.7

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
15773.4	Average	Vertical	22.4	15.7	38.1	54.0	-15.9
15779.6	Peak	Horizontal	36.0	15.7	51.7	74.0	-22.3
15767.4	Average	Horizontal	22.8	15.7	38.6	54.0	-15.5
21030.0	Peak	Vertical	38.8	17.2	56.0	74.0	-18.0
21098.4	Average	Vertical	24.9	17.5	42.3	54.0	-11.7
21063.5	Peak	Horizontal	38.9	17.3	56.2	74.0	-17.8
21039.9	Average	Horizontal	25.2	17.2	42.4	54.0	-11.6
26290.9	Peak	Vertical	37.1	21.8	59.0	74.0	-15.0
26257.9	Average	Vertical	23.9	21.9	45.8	54.0	-8.2
26246.0	Peak	Horizontal	37.7	21.9	59.6	74.0	-14.4
26318.6	Average	Horizontal	24.0	21.8	45.8	54.0	-8.2
31503.8	Peak	Vertical	29.4	28.3	57.7	74.0	-16.3
31470.5	Average	Vertical	16.2	28.4	44.6	54.0	-9.4
31484.2	Peak	Horizontal	29.6	28.4	58.0	74.0	-16.0
31477.4	Average	Horizontal	16.6	28.4	45.0	54.0	-9.1
36718.2	Peak	Vertical	29.1	28.6	57.7	74.0	-16.3
36788.3	Average	Vertical	15.9	28.5	44.4	54.0	-9.6
36791.7	Peak	Horizontal	29.5	28.5	58.0	74.0	-16.0
36725.3	Average	Horizontal	15.9	28.6	44.6	54.0	-9.5

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5300 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10613.7	Peak	Vertical	36.8	15.4	52.2	74.0	-21.8
10599.6	Average	Vertical	23.4	15.3	38.7	54.0	-15.3
10604.1	Peak	Horizontal	36.9	15.3	52.3	74.0	-21.8
10601.0	Average	Horizontal	25.0	15.3	40.3	54.0	-13.7
15924.3	Peak	Vertical	35.2	15.9	51.1	74.0	-22.9
15913.7	Average	Vertical	21.8	15.9	37.6	54.0	-16.4
15914.0	Peak	Horizontal	35.1	15.9	50.9	74.0	-23.1
15897.5	Average	Horizontal	22.0	15.8	37.8	54.0	-16.2

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
21201.6	Peak	Vertical	38.4	17.8	56.2	74.0	-17.8
21199.4	Average	Vertical	24.6	17.8	42.4	54.0	-11.6
21198.0	Peak	Horizontal	38.1	17.8	55.8	74.0	-18.2
21199.5	Average	Horizontal	25.2	17.8	43.0	54.0	-11.0
26446.1	Peak	Vertical	38.3	21.7	60.1	74.0	-13.9
26465.7	Average	Vertical	24.6	21.7	46.4	54.0	-7.6
26458.2	Peak	Horizontal	38.5	21.7	60.2	74.0	-13.8
26452.2	Average	Horizontal	24.7	21.7	46.4	54.0	-7.6
31723.5	Peak	Vertical	30.2	27.7	57.9	74.0	-16.1
31729.4	Average	Vertical	17.0	27.7	44.7	54.0	-9.3
31735.4	Peak	Horizontal	30.2	27.7	57.9	74.0	-16.1
31730.2	Average	Horizontal	17.1	27.7	44.8	54.0	-9.2
37024.6	Peak	Vertical	29.4	28.6	58.0	74.0	-16.0
37160.5	Average	Vertical	15.7	28.7	44.4	54.0	-9.6
37192.8	Peak	Horizontal	29.2	28.8	57.9	74.0	-16.1
37163.6	Average	Horizontal	15.9	28.7	44.6	54.0	-9.4

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5320 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
10648.6	Peak	Vertical	37.0	15.6	52.7	74.0	-21.3
10642.5	Average	Vertical	23.2	15.6	38.8	54.0	-15.2
10640.8	Peak	Horizontal	37.1	15.6	52.7	74.0	-21.4
10639.2	Average	Horizontal	24.3	15.6	39.9	54.0	-14.1
15970.9	Peak	Vertical	35.5	16.1	51.5	74.0	-22.5
15975.0	Average	Vertical	22.1	16.1	38.2	54.0	-15.8
15976.2	Peak	Horizontal	35.9	16.1	52.0	74.0	-22.0
15963.6	Average	Horizontal	22.5	16.1	38.6	54.0	-15.4
21312.3	Peak	Vertical	38.2	18.1	56.2	74.0	-17.8
21314.0	Average	Vertical	24.9	18.1	43.0	54.0	-11.0
21297.0	Peak	Horizontal	38.9	18.0	56.9	74.0	-17.1

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
21279.6	Average	Horizontal	25.4	18.0	43.4	54.0	-10.6
26627.6	Peak	Vertical	31.5	24.9	56.4	74.0	-17.6
26665.9	Average	Vertical	17.8	25.0	42.9	54.0	-11.1
26636.9	Peak	Horizontal	31.4	24.9	56.3	74.0	-17.7
26662.6	Average	Horizontal	18.1	25.0	43.1	54.0	-10.9
31912.1	Peak	Vertical	29.6	27.3	56.9	74.0	-17.1
31917.5	Average	Vertical	16.4	27.3	43.7	54.0	-10.3
31905.2	Peak	Horizontal	30.2	27.3	57.5	74.0	-16.5
31914.4	Average	Horizontal	16.5	27.3	43.8	54.0	-10.2
37258.7	Peak	Vertical	29.9	28.9	58.8	74.0	-15.2
37259.3	Average	Vertical	16.1	28.9	44.9	54.0	-9.1
37311.4	Peak	Horizontal	30.3	29.0	59.2	74.0	-14.8
37318.5	Average	Horizontal	16.2	29.0	45.2	54.0	-8.8

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5500 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10998.2	Peak	Vertical	35.8	16.0	51.8	74.0	-22.2
11000.4	Average	Vertical	22.4	16.0	38.4	54.0	-15.6
11001.2	Peak	Horizontal	36.4	16.0	52.4	74.0	-21.6
10996.3	Average	Horizontal	22.8	16.0	38.8	54.0	-15.2
16472.4	Peak	Vertical	35.0	17.9	52.9	74.0	-21.1
16508.4	Average	Vertical	21.5	18.1	39.6	54.0	-14.4
16494.3	Peak	Horizontal	34.8	18.0	52.8	74.0	-21.2
16495.8	Average	Horizontal	21.7	18.0	39.7	54.0	-14.3
21953.9	Peak	Vertical	38.5	19.4	57.9	74.0	-16.1
21999.8	Average	Vertical	24.6	19.4	44.0	54.0	-10.0
22004.6	Peak	Horizontal	38.3	19.3	57.7	74.0	-16.4
21999.6	Average	Horizontal	25.3	19.4	44.6	54.0	-9.4
27463.4	Peak	Vertical	32.6	23.3	55.8	74.0	-18.2
27471.8	Average	Vertical	19.4	23.2	42.6	54.0	-11.4

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
27491.9	Peak	Horizontal	34.2	23.2	57.4	74.0	-16.6
27488.9	Average	Horizontal	19.7	23.2	42.9	54.0	-11.1
32931.4	Peak	Vertical	29.5	27.4	56.9	74.0	-17.1
32920.8	Average	Vertical	16.5	27.5	43.9	54.0	-10.1
32935.9	Peak	Horizontal	29.7	27.4	57.2	74.0	-16.9
32914.5	Average	Horizontal	16.6	27.5	44.1	54.0	-9.9
38450.7	Peak	Vertical	30.0	29.2	59.2	74.0	-14.8
38446.2	Average	Vertical	17.0	29.2	46.2	54.0	-7.8
38560.5	Peak	Horizontal	30.5	29.5	60.0	74.0	-14.0
38446.9	Average	Horizontal	17.4	29.2	46.6	54.0	-7.4

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5600 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11203.4	Peak	Vertical	37.4	17.4	54.8	74.0	-19.2
11199.4	Average	Vertical	24.6	17.4	41.9	54.0	-12.1
11197.4	Peak	Horizontal	37.3	17.4	54.7	74.0	-19.3
11196.5	Average	Horizontal	24.4	17.4	41.8	54.0	-12.2
16797.8	Peak	Vertical	36.0	19.5	55.5	74.0	-18.5
16796.9	Average	Vertical	23.6	19.5	43.1	54.0	-11.0
16793.6	Peak	Horizontal	36.5	19.5	56.0	74.0	-18.1
16797.0	Average	Horizontal	23.6	19.5	43.1	54.0	-10.9
22430.1	Peak	Vertical	37.8	19.5	57.2	74.0	-16.8
22420.2	Average	Vertical	24.4	19.5	43.8	54.0	-10.2
22351.8	Peak	Horizontal	38.0	19.3	57.3	74.0	-16.7
22399.6	Average	Horizontal	24.5	19.4	43.9	54.0	-10.1
27992.4	Peak	Vertical	33.2	22.8	55.9	74.0	-18.1
27943.3	Average	Vertical	19.3	23.0	42.2	54.0	-11.8
27960.4	Peak	Horizontal	33.1	22.9	56.0	74.0	-18.1
28001.1	Average	Horizontal	19.8	22.7	42.5	54.0	-11.5
33519.5	Peak	Vertical	28.8	27.1	55.8	74.0	-18.2

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
33534.1	Average	Vertical	15.6	27.0	42.6	54.0	-11.4
33575.5	Peak	Horizontal	29.2	26.9	56.1	74.0	-17.9
33527.8	Average	Horizontal	15.8	27.0	42.9	54.0	-11.1
39284.0	Peak	Vertical	27.8	34.2	62.0	74.0	-12.0
39273.3	Average	Vertical	14.7	34.0	48.7	54.0	-5.3
39280.9	Peak	Horizontal	28.5	34.1	62.6	74.0	-11.4
39277.3	Average	Horizontal	15.0	34.1	49.1	54.0	-5.0

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5700 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11397.0	Peak	Vertical	37.4	17.2	54.6	74.0	-19.4
11395.4	Average	Vertical	24.4	17.2	41.6	54.0	-12.4
11399.5	Peak	Horizontal	36.8	17.2	54.0	74.0	-20.0
11398.5	Average	Horizontal	24.2	17.2	41.4	54.0	-12.6
17096.0	Peak	Vertical	35.5	20.5	56.0	74.0	-18.1
17106.5	Average	Vertical	22.4	20.5	42.9	54.0	-11.1
17102.2	Peak	Horizontal	35.7	20.5	56.2	74.0	-17.8
17102.9	Average	Horizontal	22.4	20.5	42.9	54.0	-11.1
22809.0	Peak	Vertical	39.1	20.5	59.6	74.0	-14.4
22757.4	Average	Vertical	25.5	20.4	45.9	54.0	-8.1
22746.0	Peak	Horizontal	39.1	20.4	59.5	74.0	-14.5
22774.0	Average	Horizontal	25.4	20.5	45.8	54.0	-8.2
28490.3	Peak	Vertical	33.6	22.3	56.0	74.0	-18.0
28503.2	Average	Vertical	19.4	22.4	41.8	54.0	-12.2
28511.4	Peak	Horizontal	33.1	22.4	55.5	74.0	-18.5
28506.3	Average	Horizontal	19.6	22.4	42.0	54.0	-12.0
34201.3	Peak	Vertical	28.9	28.8	57.7	74.0	-16.3
34221.1	Average	Vertical	14.9	28.8	43.6	54.0	-10.4
34158.1	Peak	Horizontal	28.3	28.9	57.2	74.0	-16.8
34114.3	Average	Horizontal	15.2	28.9	44.1	54.0	-9.9

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
39882.9	Peak	Vertical	25.1	37.1	62.2	74.0	-11.8
39879.5	Average	Vertical	12.0	37.1	49.1	54.0	-4.9
39867.0	Peak	Horizontal	27.0	37.1	64.1	74.0	-9.9
39887.0	Average	Horizontal	12.9	37.1	50.0	54.0	-4.0

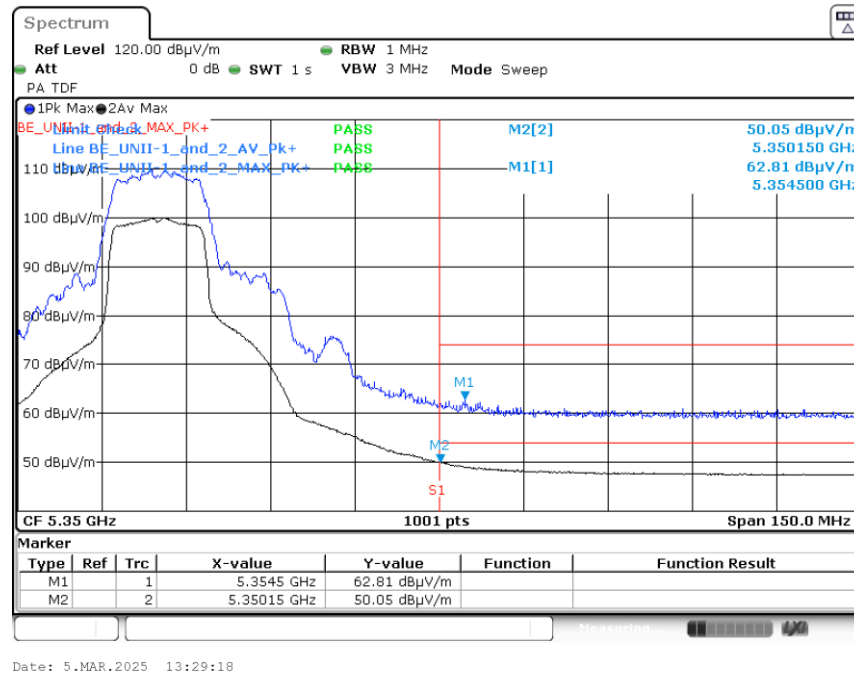
Result

The EUT complied with the specification limit by a margin of 4.0 dB.

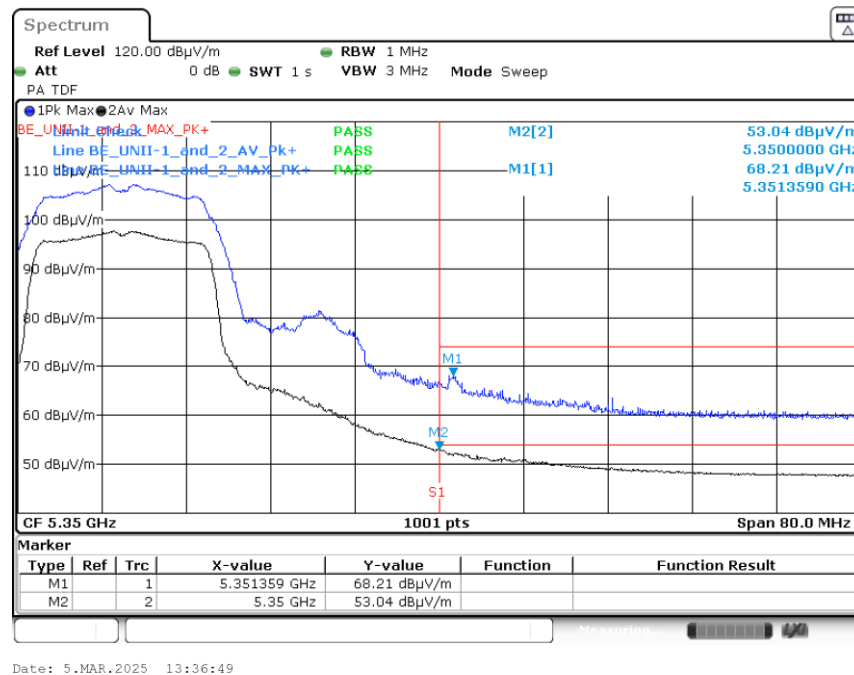
6.3.1.5 §15.407(b) Undesirable Emissions – Band Edges (UNII 2)

Band Edge were tested radiated at or above the intended power setting per channel.

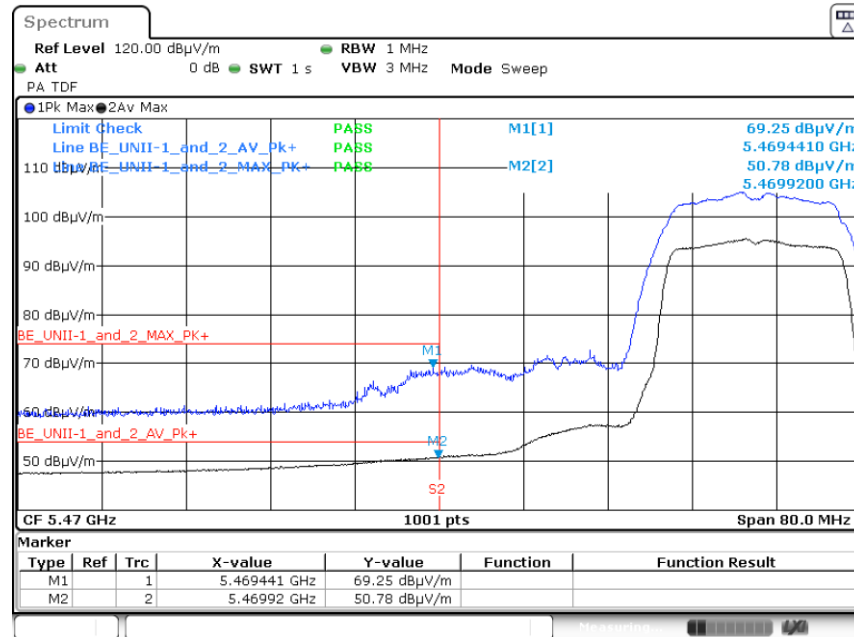
T5IW8 Transmitting on 5300 MHz (Power Level 20):



T5IW8 Transmitting on 5320 MHz (Power Level 17):

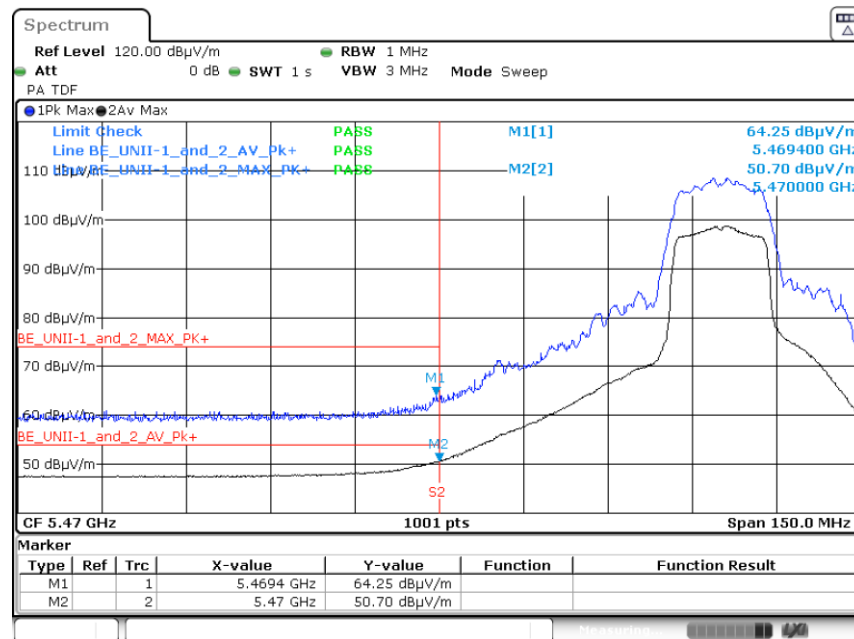


T5IW8 Transmitting on 5500 MHz (Power Level 16):



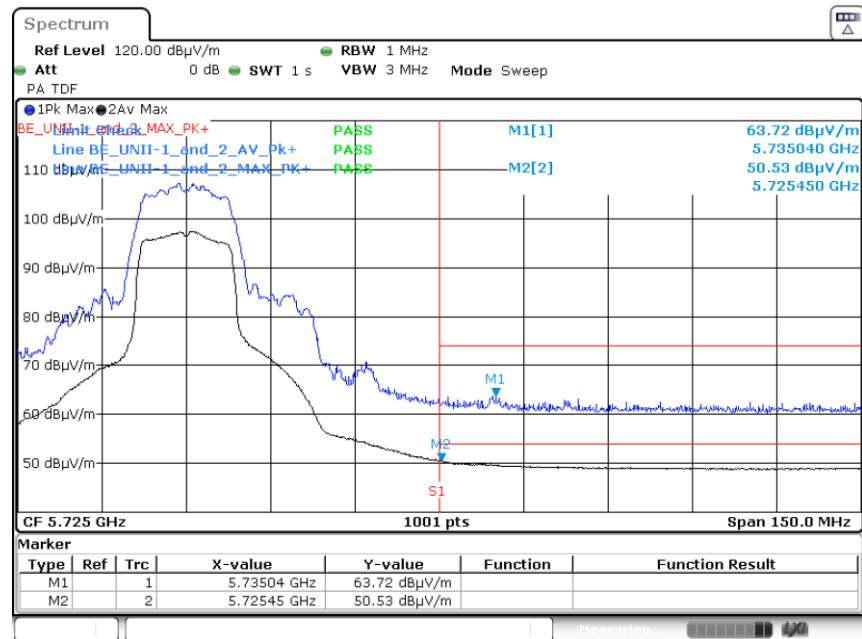
Date: 5.MAR.2025 13:49:57

T5IW8 Transmitting on 5520 MHz (Power Level 20):



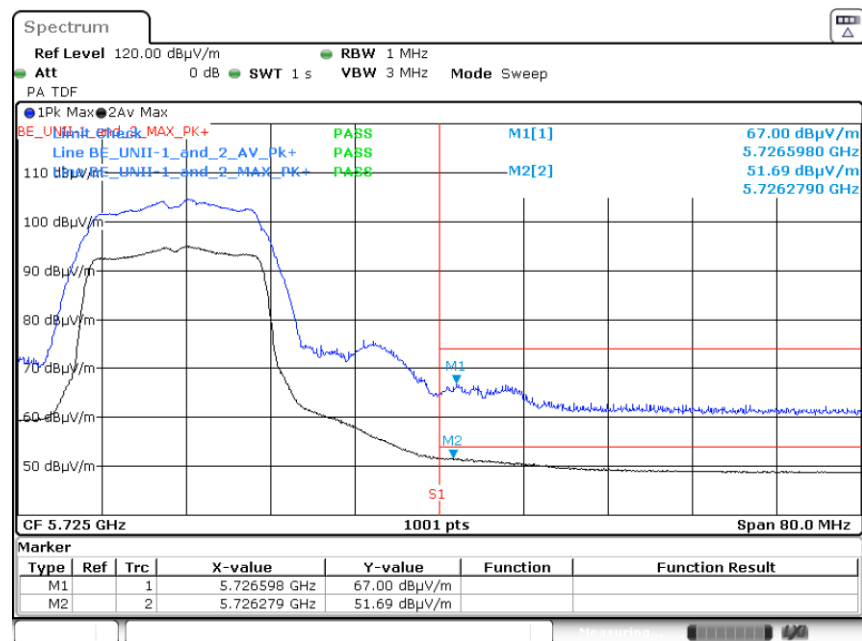
Date: 5.MAR.2025 13:56:30

T5IW8 Transmitting on 5680 MHz (Power Level 20):



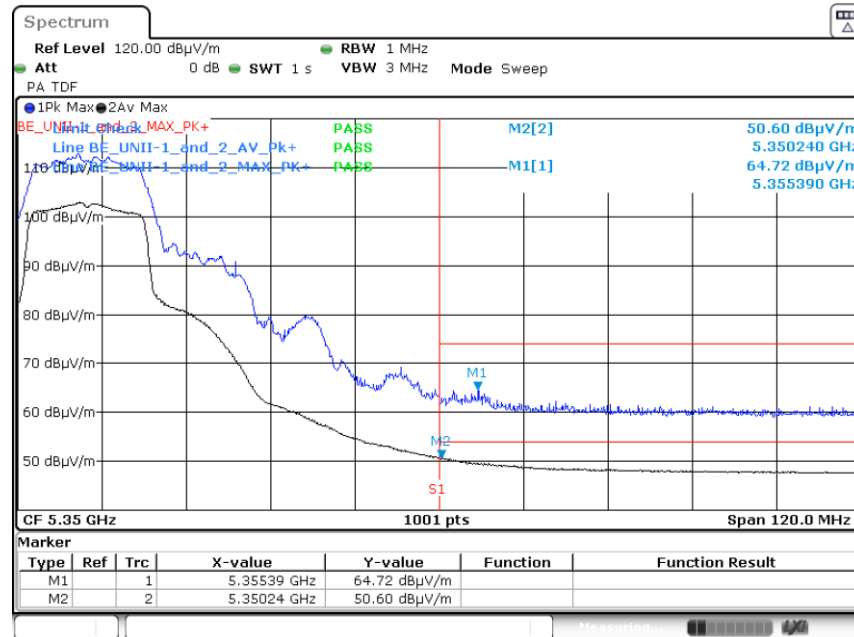
Date: 5.MAR.2025 15:01:55

T5IW8 Transmitting on 5700 MHz (Power Level 16):



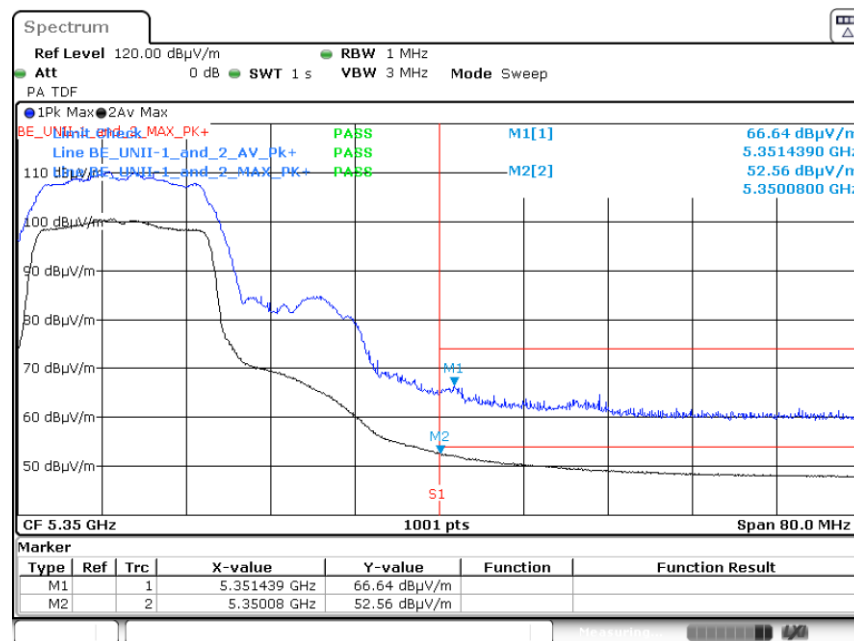
Date: 26.JUN.2025 10:46:59

T5IW11 Transmitting on 5300 MHz (Power Level 20):



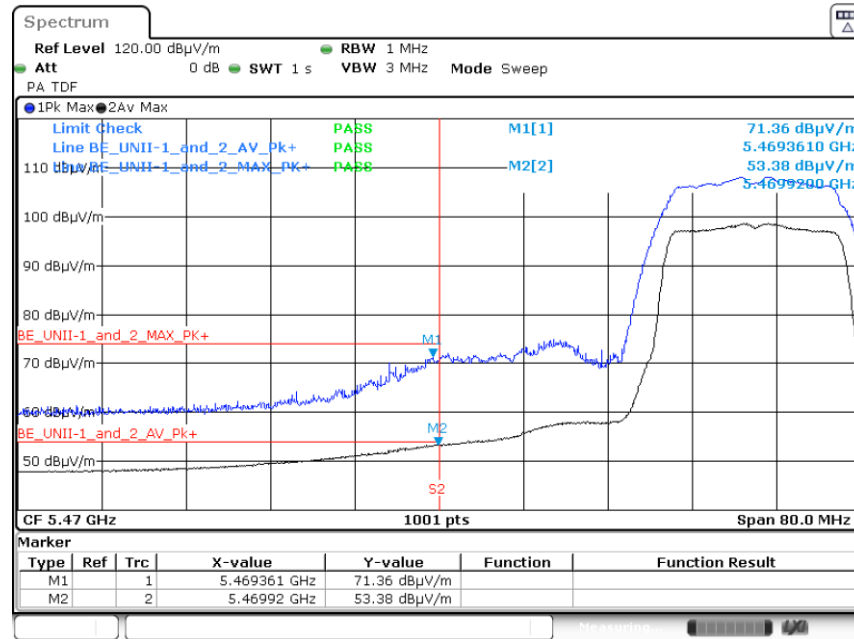
Date: 4.MAR.2025 15:46:28

T5IW11 Transmitting on 5320 MHz (Power Level 17):



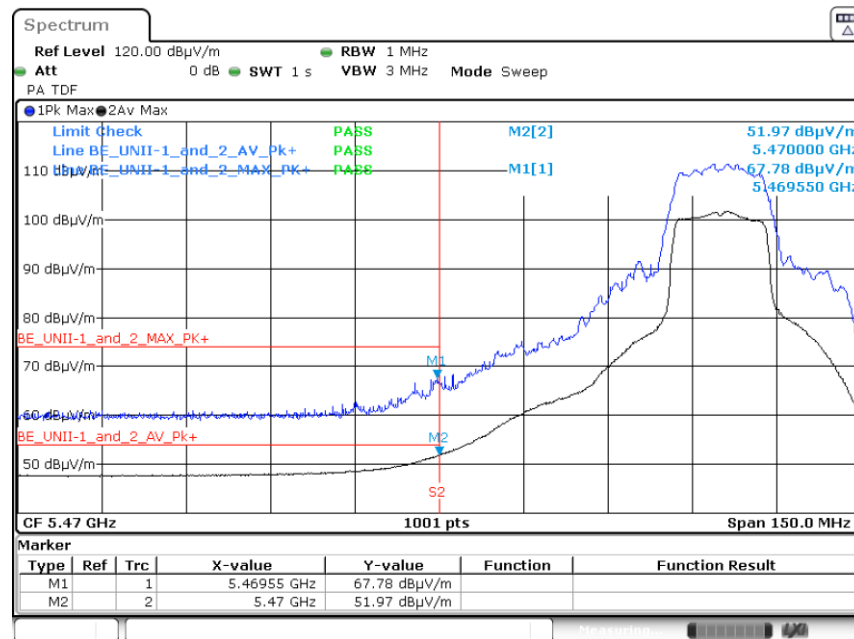
Date: 4.MAR.2025 15:42:38

T5IW11 Transmitting on 5500 MHz (Power Level 16):



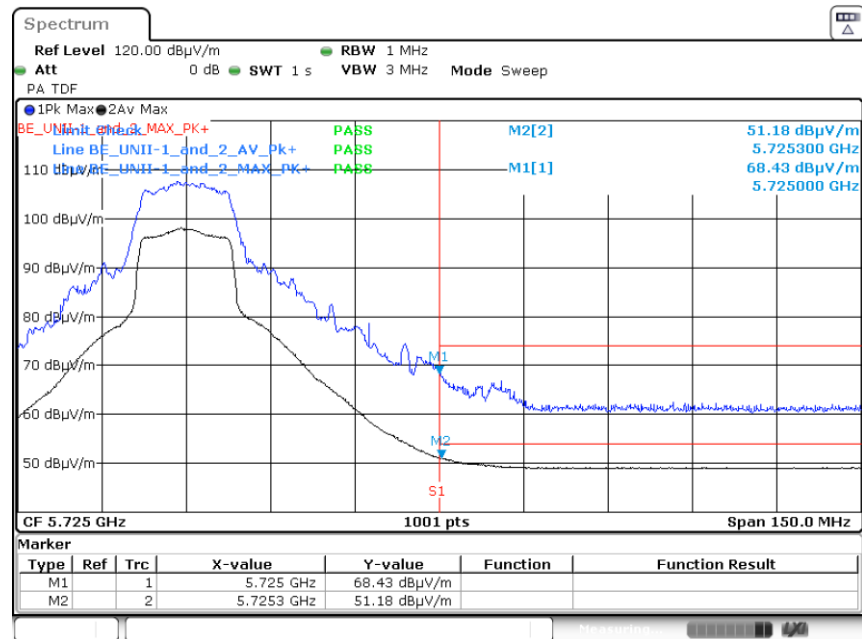
Date: 5.MAR.2025 12:29:18

T5IW11 Transmitting on 5520 MHz (Power Level 20):

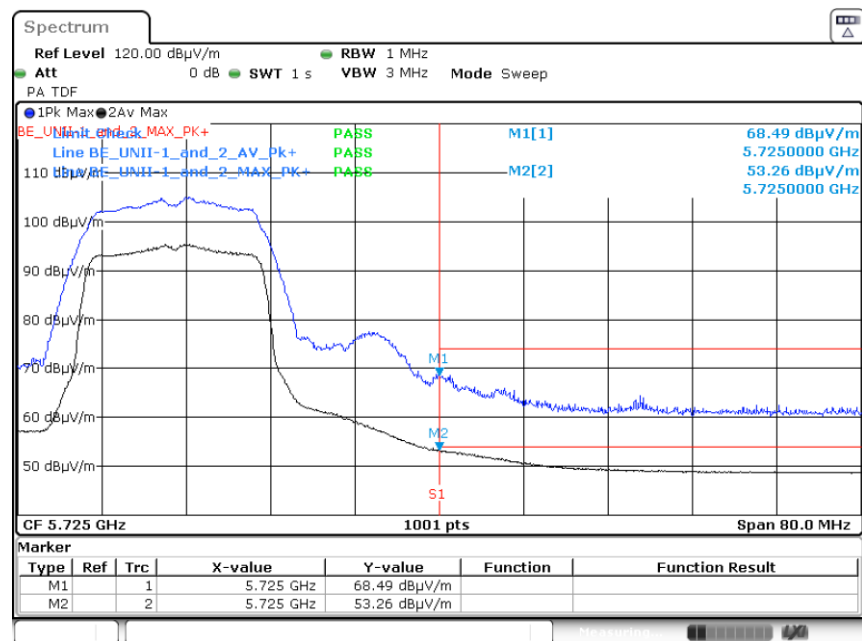


Date: 5.MAR.2025 11:58:47

T5IW11 Transmitting on 5680 MHz (Power Level 20):



T5IW11 Transmitting on 5700 MHz (Power Level 16):



Result

The EUT complied with the specification.

6.3.1.6 §15.407(h)(1) TPC (UNII 2)

Based upon the conducted output power measurements, EUT does not require a transmit power control mechanism to operate in the UNII-2 band in the configuration tested.

Result

In the configurations tested the EUT complied with the requirements of the specification.

6.3.1.7 §15.407(h)(2) DFS (UNII 2)

EUT is a Client device and does not contain In-Service Monitoring. EUT was tested on Channel 108 (5540 MHz) with a Netgear R7000 Router (FCC ID #PY313200233) as the Master Device.

Radar Detection (UNII 2)

EUT does not operate as a Master device in the UNII-2 Band and cannot detect radar in the configurations tested.

Result

In the configurations tested the EUT complied with the requirements of the specification.

Master Device Channel Availability Check Time (UNII 2)

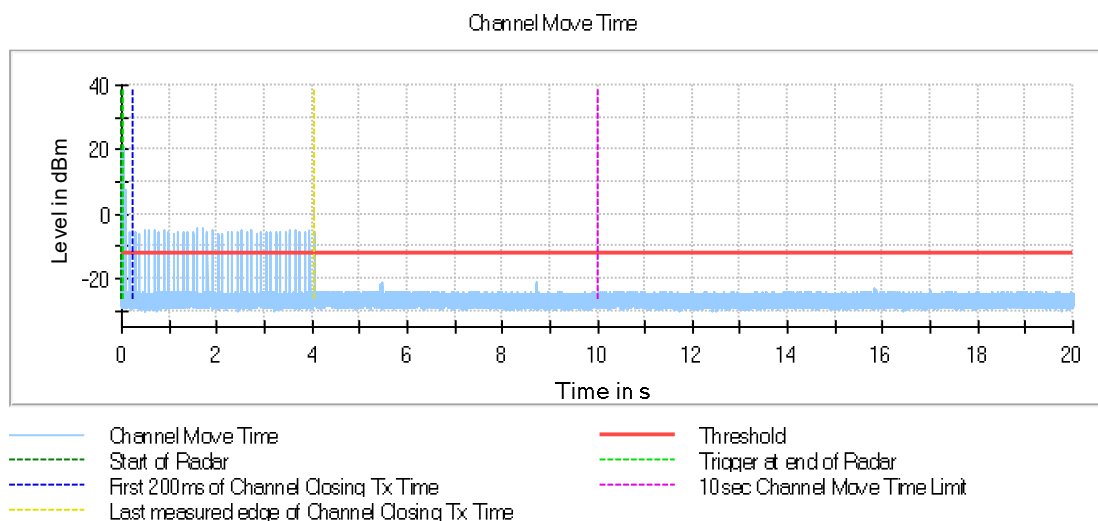
EUT does not operate as a master device in the UNII-2 Band and cannot detect radar in the configurations tested.

Result

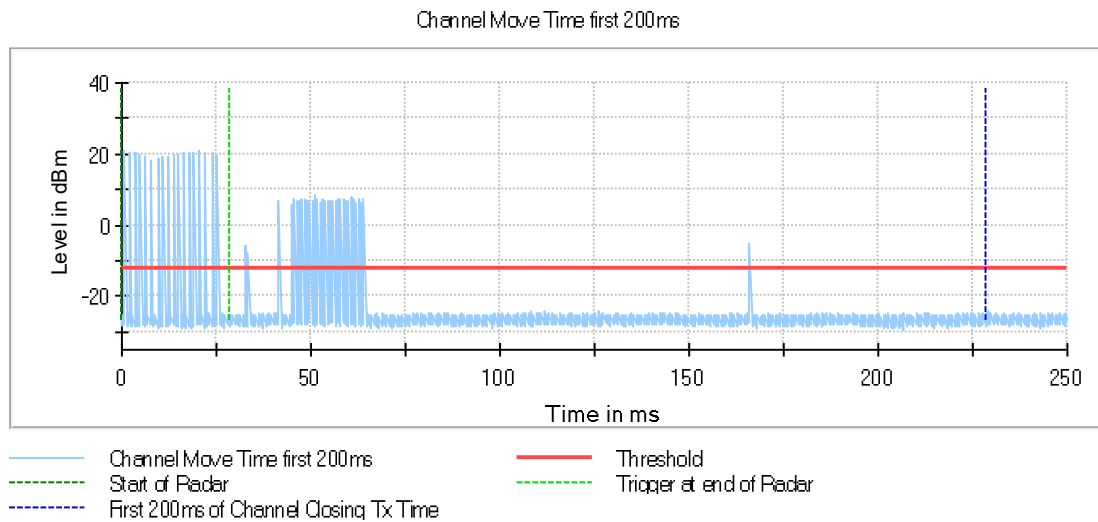
In the configurations tested the EUT complied with the requirements of the specification.

Channel Closing Transmission Time and Channel Move Time (UNII 2)

Upon receiving a clear channel command from a Master device, EUT cleared transmissions within 10 seconds.



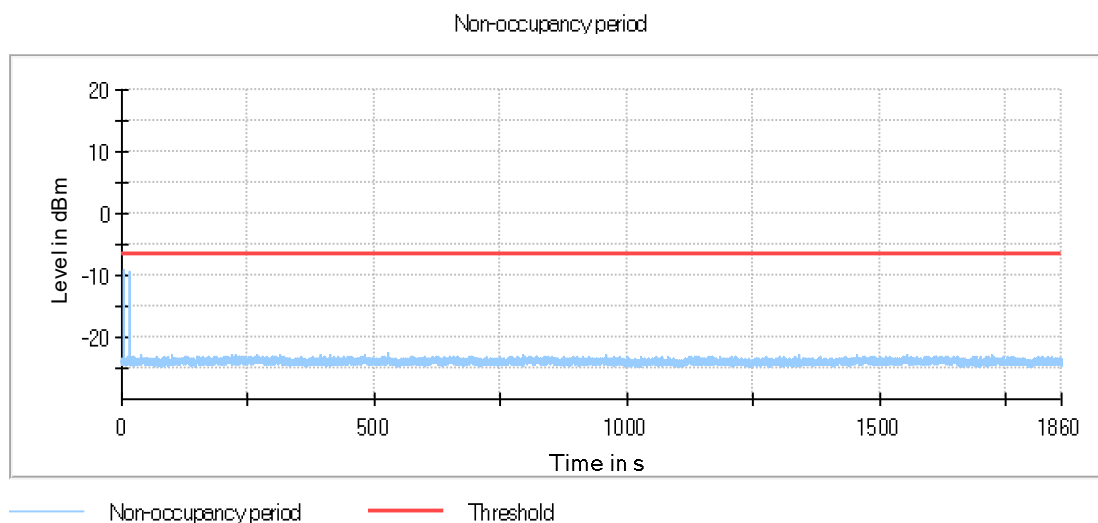
Graph 1: EUT 5540 MHz Channel Close Time and Channel Move Time



Graph 2: EUT 5540 MHz First 200 ms (Channel Closing Tx Time)

Channel Non-Occupancy Period (UNII 2)

Upon receiving Clear Channel command, EUT did not transmit in that channel for 30 minutes.



Graph 3: EUT 5540 MHz Non-Occupancy Period of 30 minutes.

Result

In the configurations tested the EUT complied with the requirements of the specification.

6.3.2 802.11n-20 Mode

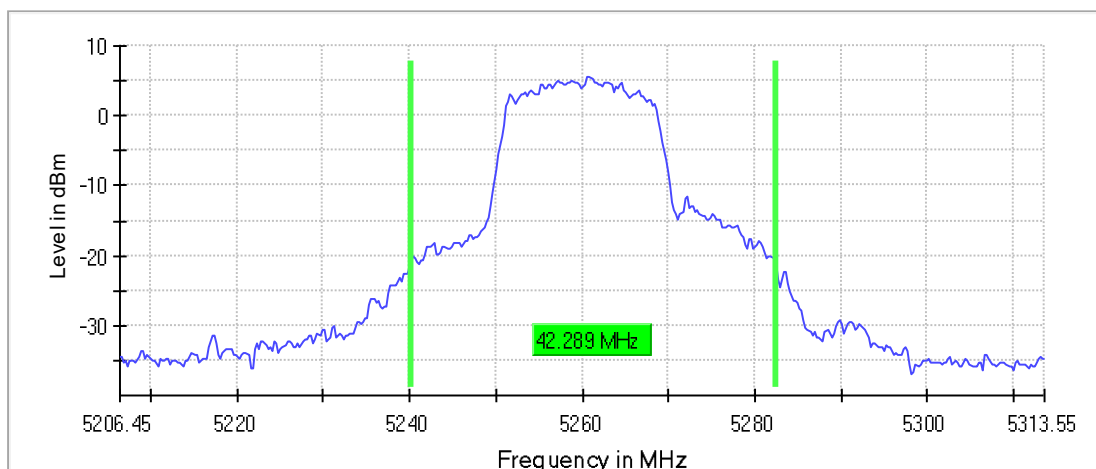
6.3.2.1 §15.403 26dB Bandwidth (UNII 2)

Bandwidths were measured at the intended power set level per channel.

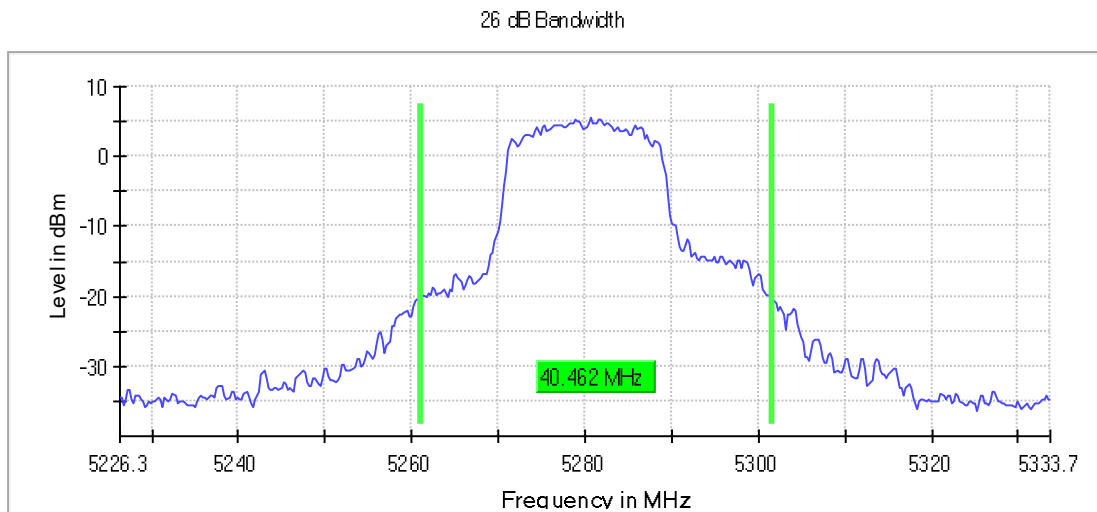
Frequency (MHz)	Emissions 26 dB Bandwidth (MHz)
5260	42.3
5280	40.5
5300	41.5
5320	23.0
5500	22.8
5520	39.3
5540	37.0
5560	41.0
5580	38.0
5600	37.0
5620	40.0
5640	38.5
5660	39.0
5680	41.2
5700	23.0

Table 14: 26 dB Emissions Bandwidth

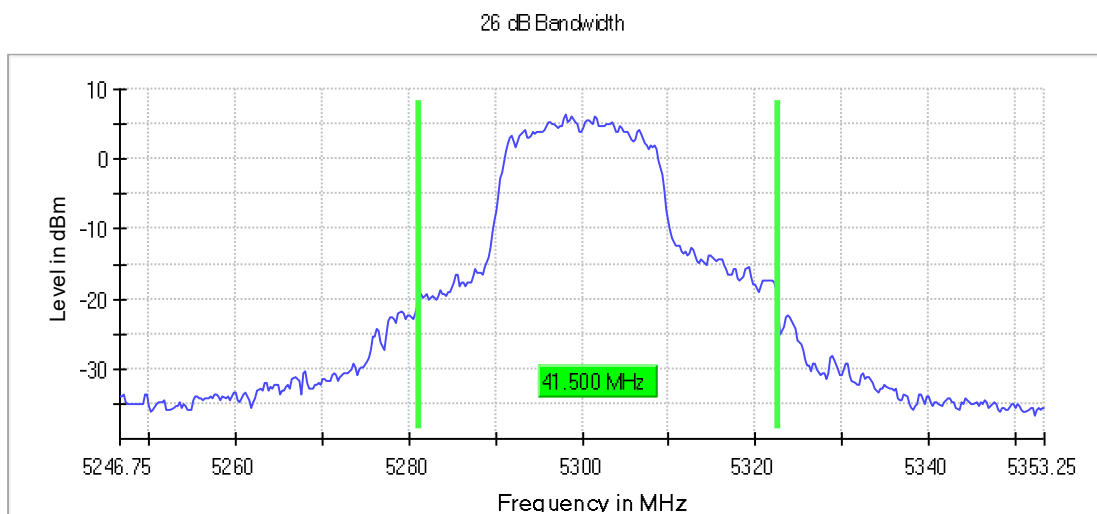
26 dB Bandwidth



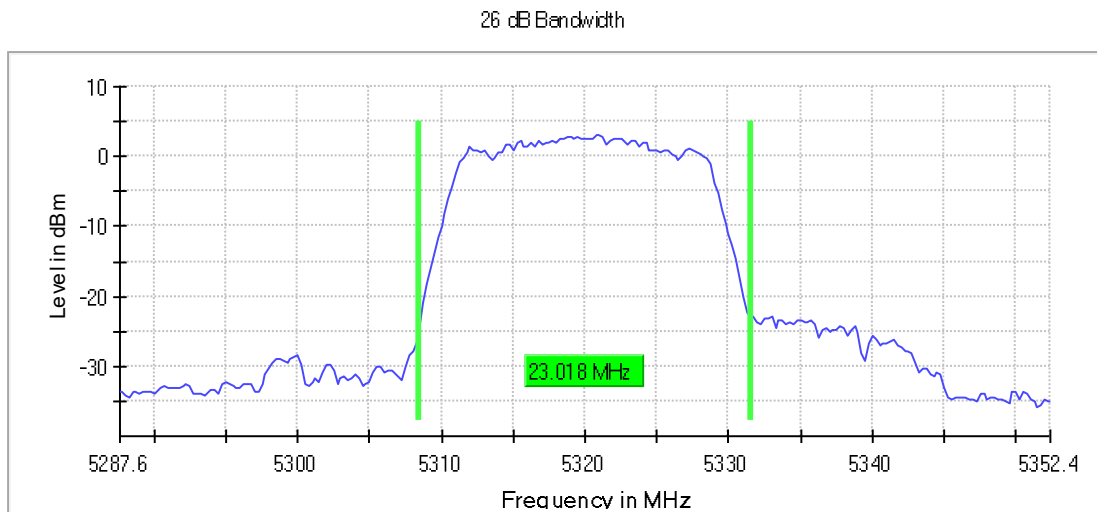
Graph 76: 26 dB Emissions Bandwidth Transmitting at 5260 MHz



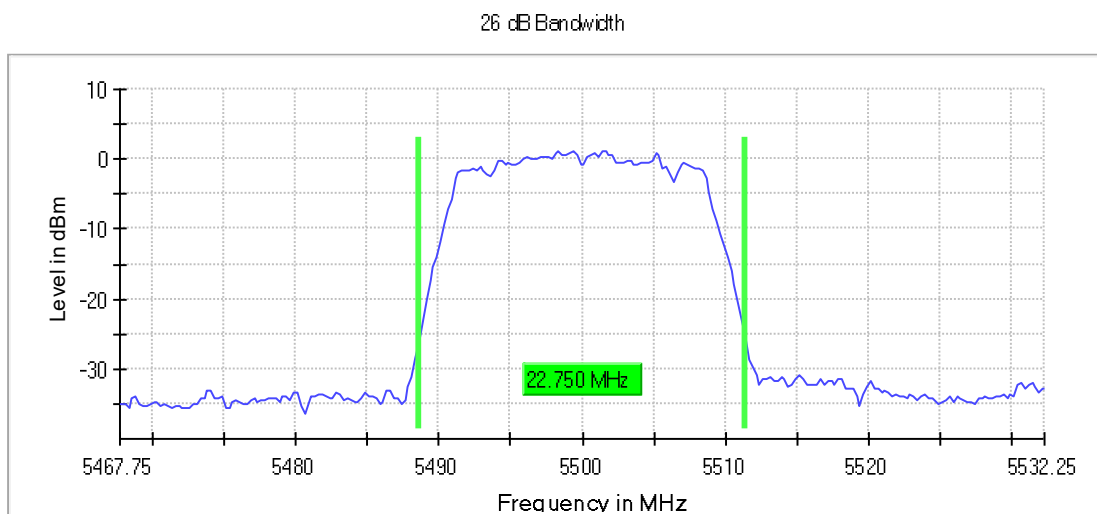
Graph 77: 26 dB Emissions Bandwidth Transmitting at 5280 MHz



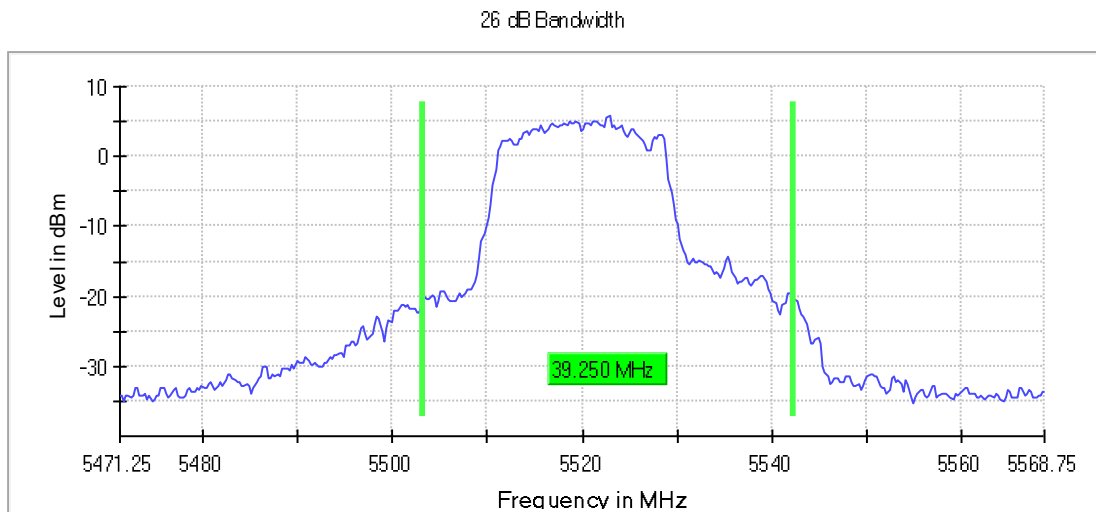
Graph 78: 26 dB Emissions Bandwidth Transmitting at 5300 MHz



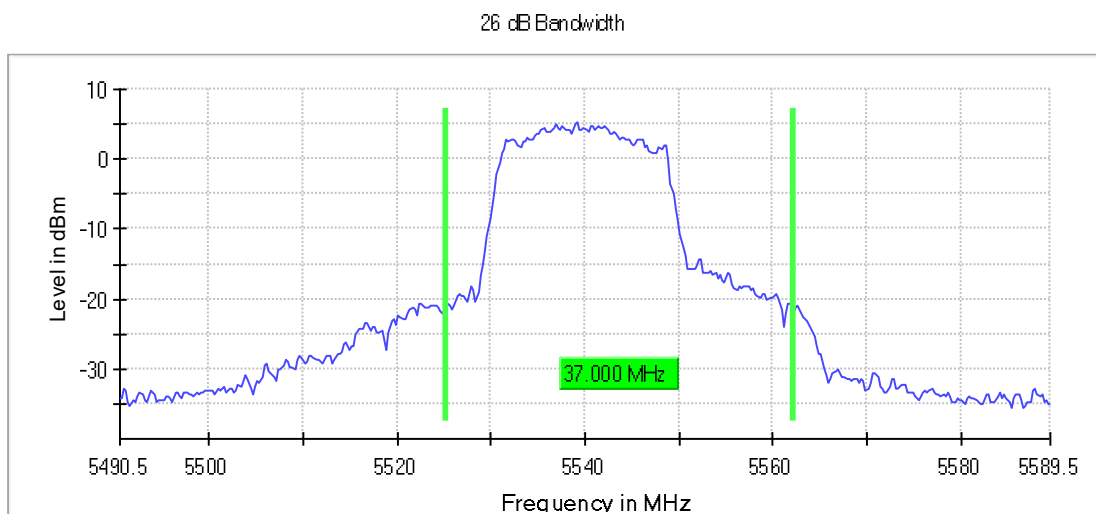
Graph 79: 26 dB Emissions Bandwidth Transmitting at 5320 MHz



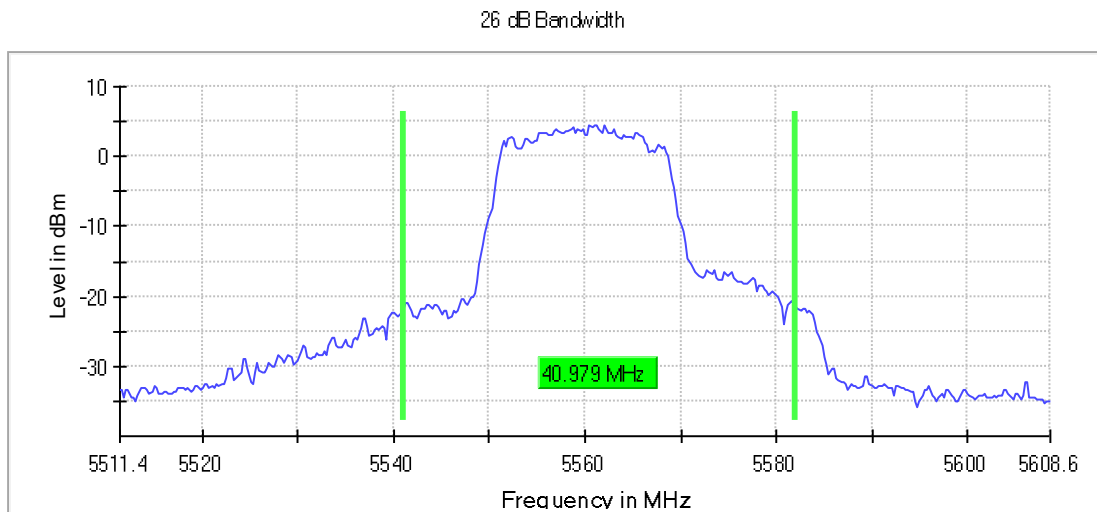
Graph 80: 26 dB Emissions Bandwidth Transmitting at 5500 MHz



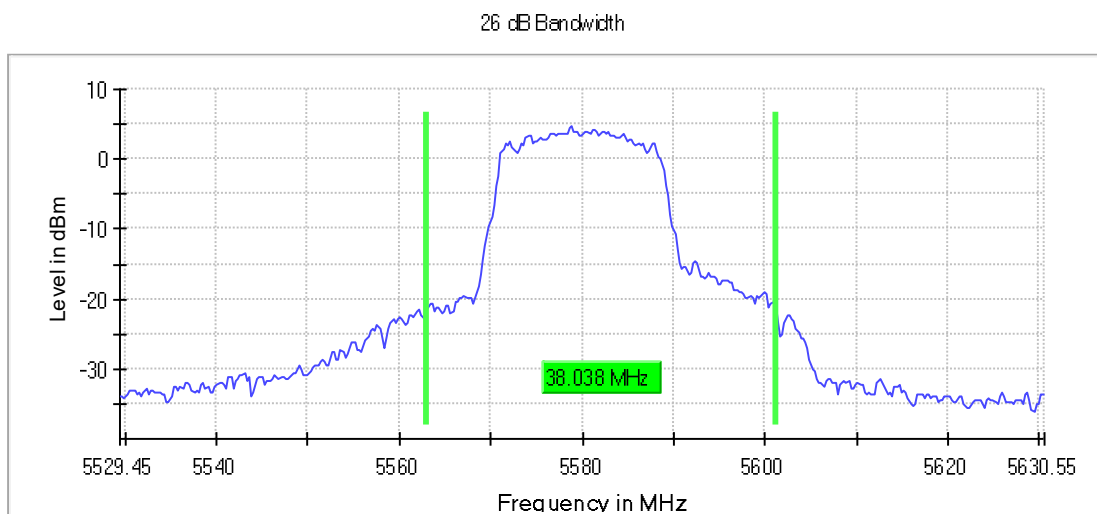
Graph 81: 26 dB Emissions Bandwidth Transmitting at 5520 MHz



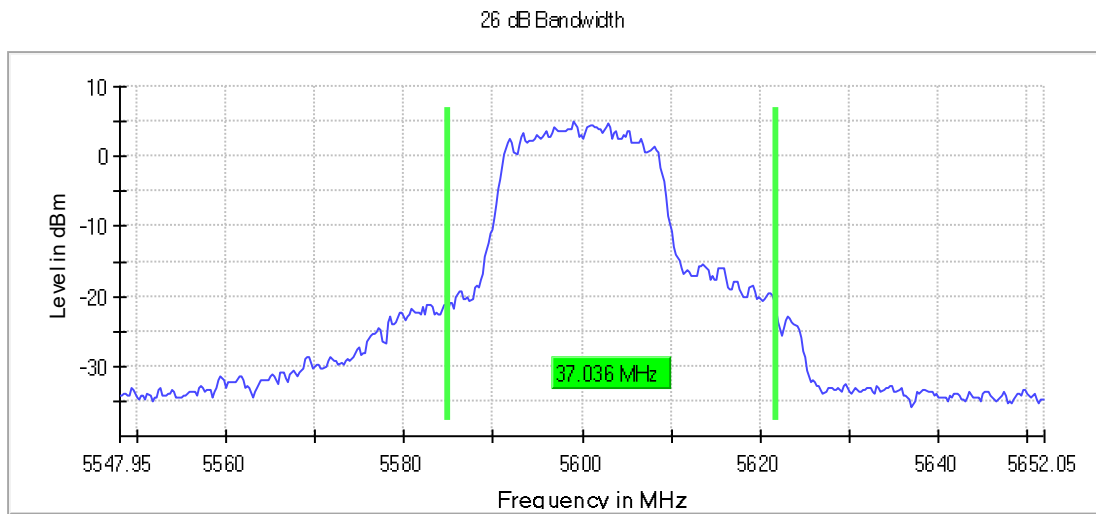
Graph 82: 26 dB Emissions Bandwidth Transmitting at 5540 MHz



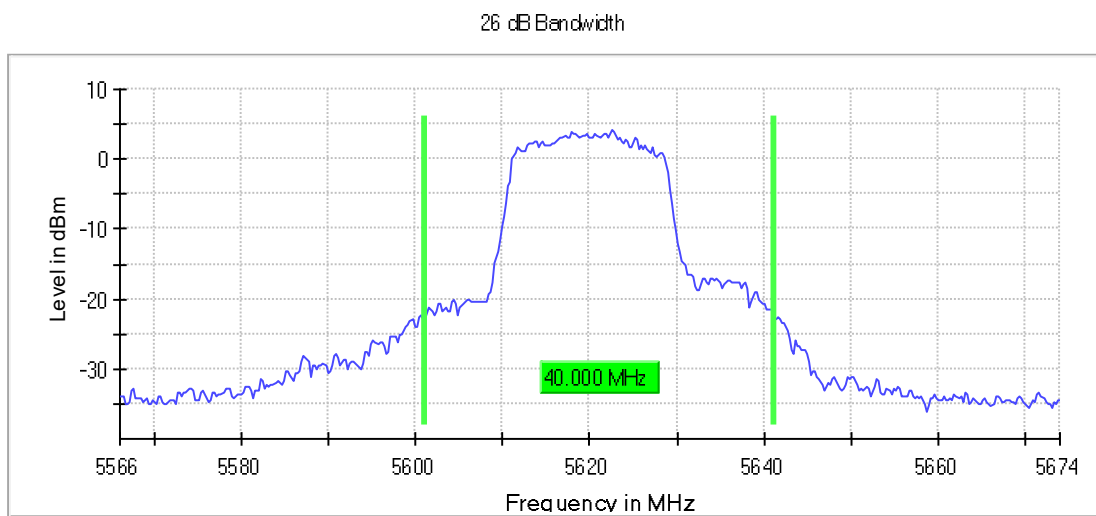
Graph 83: 26 dB Emissions Bandwidth Transmitting at 5560 MHz



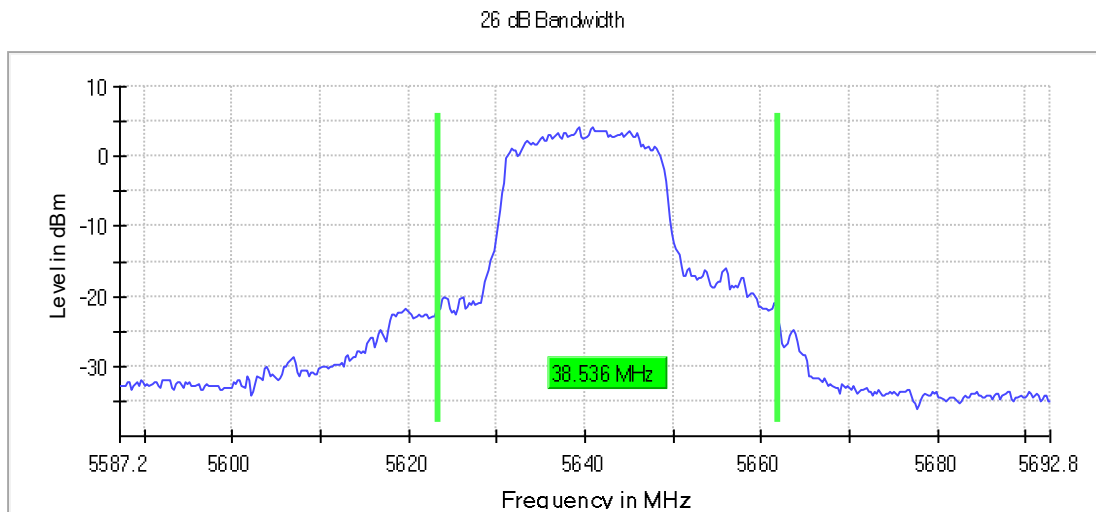
Graph 84: 26 dB Emissions Bandwidth Transmitting at 5580 MHz



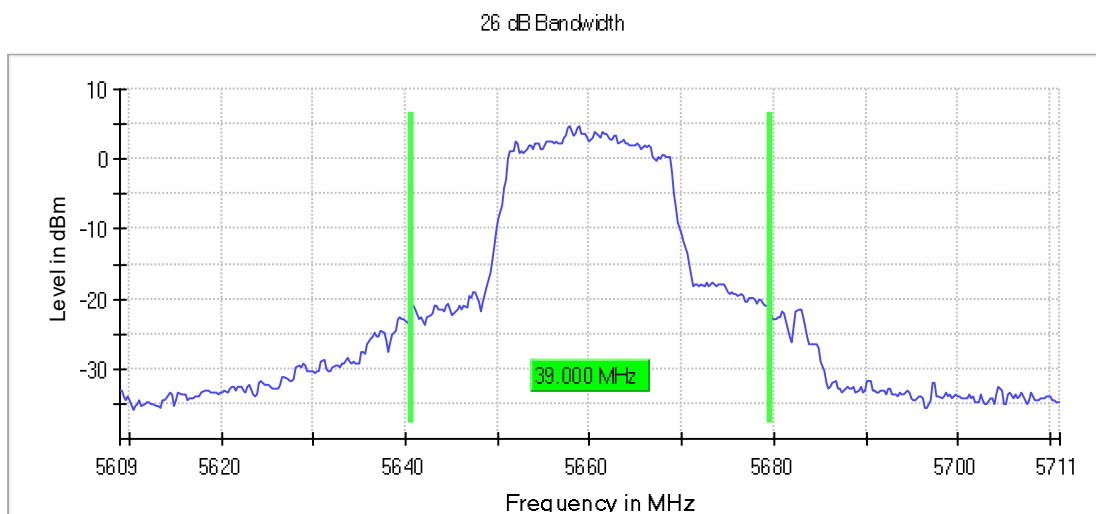
Graph 85: 26 dB Emissions Bandwidth Transmitting at 5600 MHz



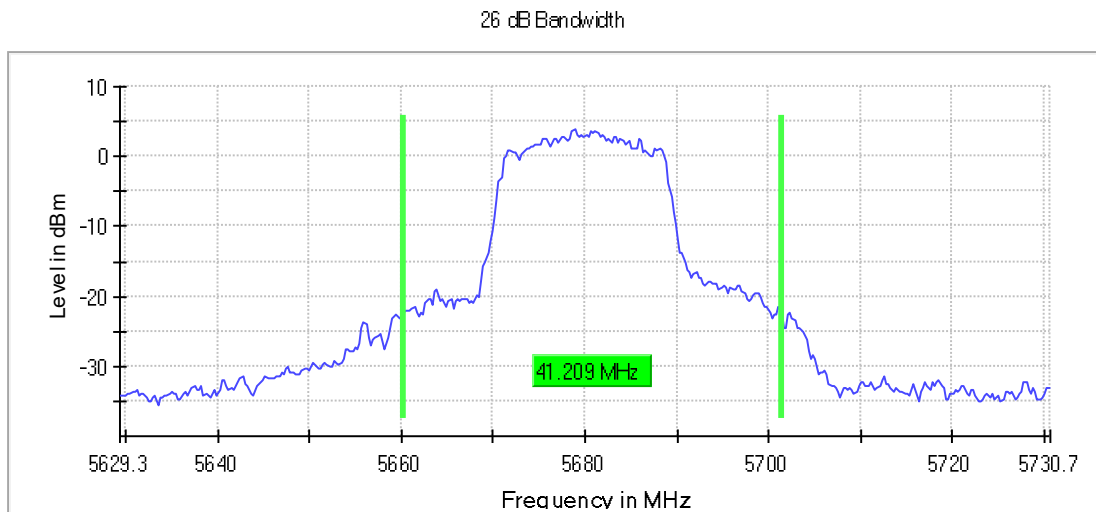
Graph 86: 26 dB Emissions Bandwidth Transmitting at 5620 MHz



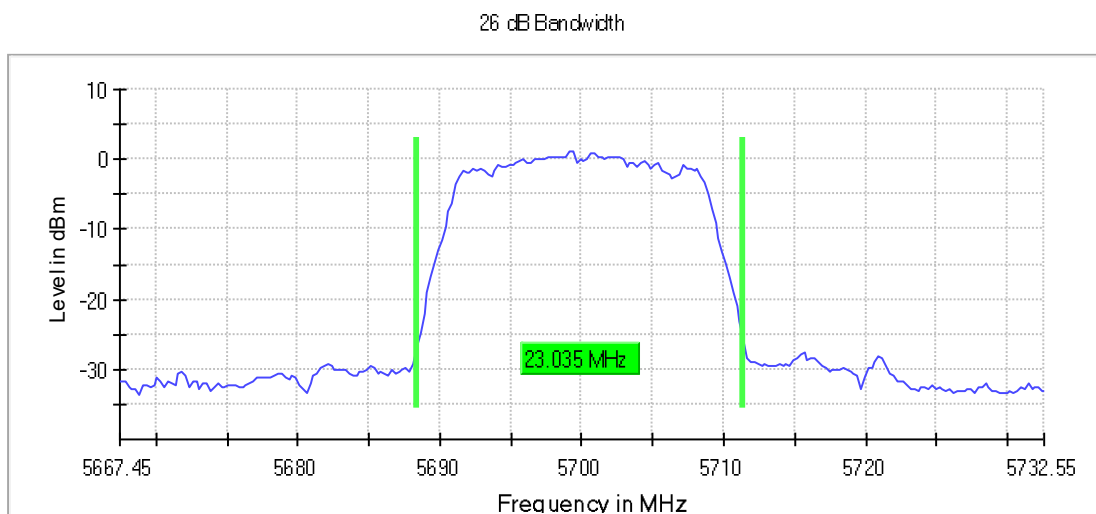
Graph 87: 26 dB Emissions Bandwidth Transmitting at 5640 MHz



Graph 88: 26 dB Emissions Bandwidth Transmitting at 5660 MHz



Graph 89: 26 dB Emissions Bandwidth Transmitting at 5680 MHz



Graph 90: 26 dB Emissions Bandwidth Transmitting at 5700 MHz

6.3.2.2 §15.407(a) Power Limits: Maximum Conducted Output Power (UNII 2)

Maximum conducted power limits for the UNII-2 band are adjusted based on the isotropic antenna gain and measured 26 dB bandwidth to a maximum limit of 24dBm. Transmitters exceeding 27 dBm must employ a transmit power control (TCP) mechanism.

Transmitting Frequency (MHz)	Measured 26 dB BW (MHz)	11 dBm + 10 log EWB (dBm)	Antenna Gain (dBi)	Default Gain (dBi)	Limit Change (dB)	Default Limit (dBm)	Adjusted Limit (dBm)
5260	40.2	27.3	3.3	6	0	24.0	24.0
5280	39.0	27.1	3.3	6	0	24.0	24.0

Transmitting Frequency (MHz)	Measured 26 dB BW (MHz)	11 dBm + 10 log EWB (dBm)	Antenna Gain (dBi)	Default Gain (dBi)	Limit Change (dB)	Default Limit (dBm)	Adjusted Limit (dBm)
5300	39.8	27.2	3.3	6	0	24.0	24.0
5320	22.0	24.6	3.3	6	0	24.0	24.0
5500	21.9	24.6	3.3	6	0	24.0	24.0
5520	33.2	26.9	3.3	6	0	24.0	24.0
5540	38.4	26.7	3.3	6	0	24.0	24.0
5560	35.6	27.1	3.3	6	0	24.0	24.0
5580	38.6	26.8	3.3	6	0	24.0	24.0
5600	37.9	26.7	3.3	6	0	24.0	24.0
5620	32.4	27.0	3.3	6	0	24.0	24.0
5640	35.0	26.9	3.3	6	0	24.0	24.0
5660	35.9	26.9	3.3	6	0	24.0	24.0
5680	39.1	27.1	3.3	6	0	24.0	24.0
5700	23.0	24.6	3.3	6	0	24.0	24.0

Table 15: UNII-2 maximum conducted power limits based on antenna gain and measured 26 dB emissions bandwidth

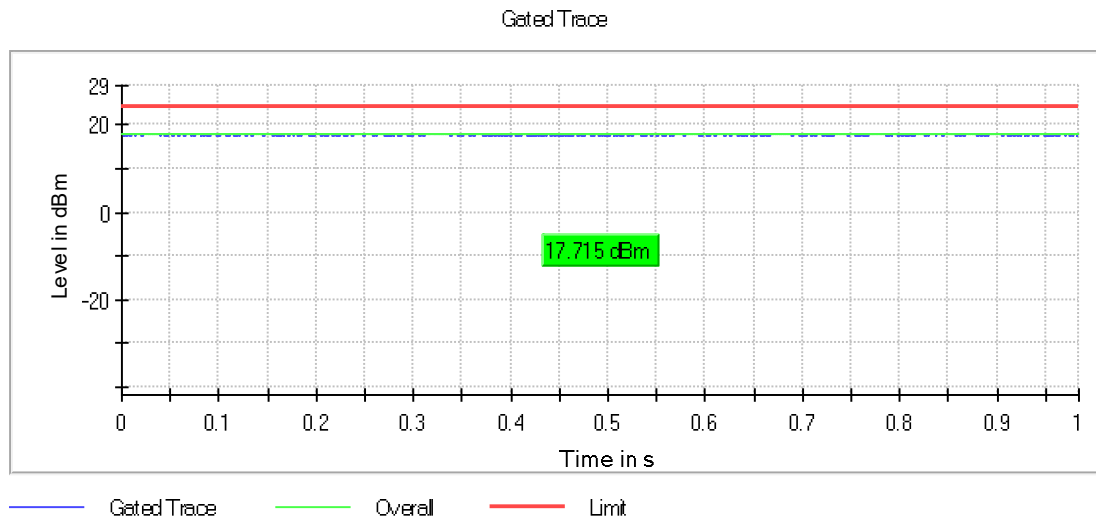
Power was measured for the low, middle, and high channel at the maximum power level possible (20) using KDB 789033 D02 method PM-G and a gated power meter which does not require an average correction factor.

UNII-2 Conducted Power Measurement

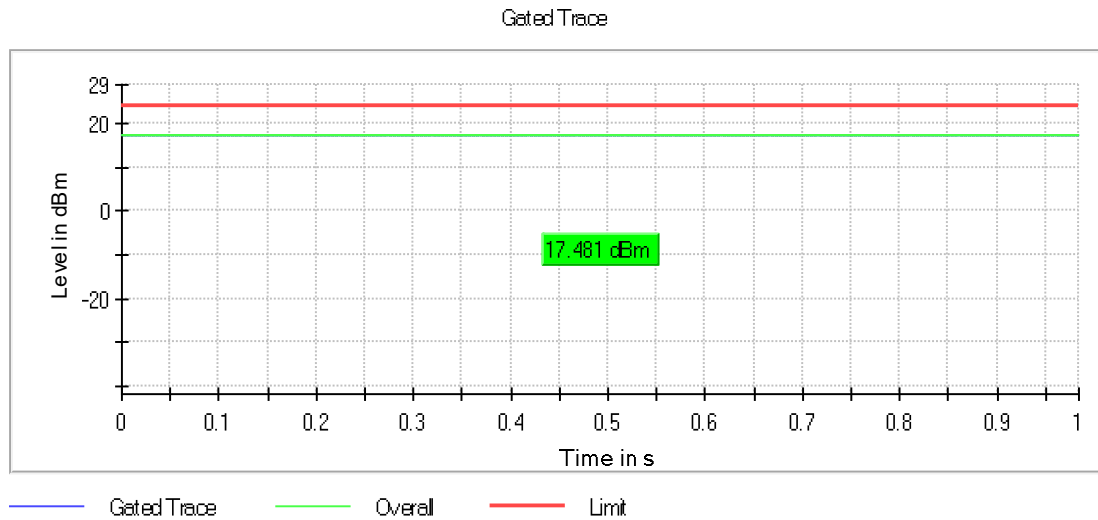
Frequency (MHz)	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	TCP Required
5260	17.7	24.0	-6.3	No
5280	17.5	24.0	-6.5	No
5300	17.6	24.0	-6.4	No
5320	15.0	24.0	-9.0	No
5500	11.5	24.0	-12.5	No
5520	15.6	24.0	-8.4	No
5540	15.2	24.0	-8.8	No
5560	15.2	24.0	-8.8	No
5580	15.0	24.0	-9.0	No
5600	15.0	24.0	-9.0	No
5620	15.6	24.0	-8.4	No
5640	15.4	24.0	-8.6	No
5660	15.2	24.0	-8.8	No
5680	15.0	24.0	-9.0	No
5700	10.5	24.0	-13.5	No

Result

In the configurations tested the EUT complied with the requirements of the specification with a margin of 6.3 dB and does not require a transmit power control mechanism.



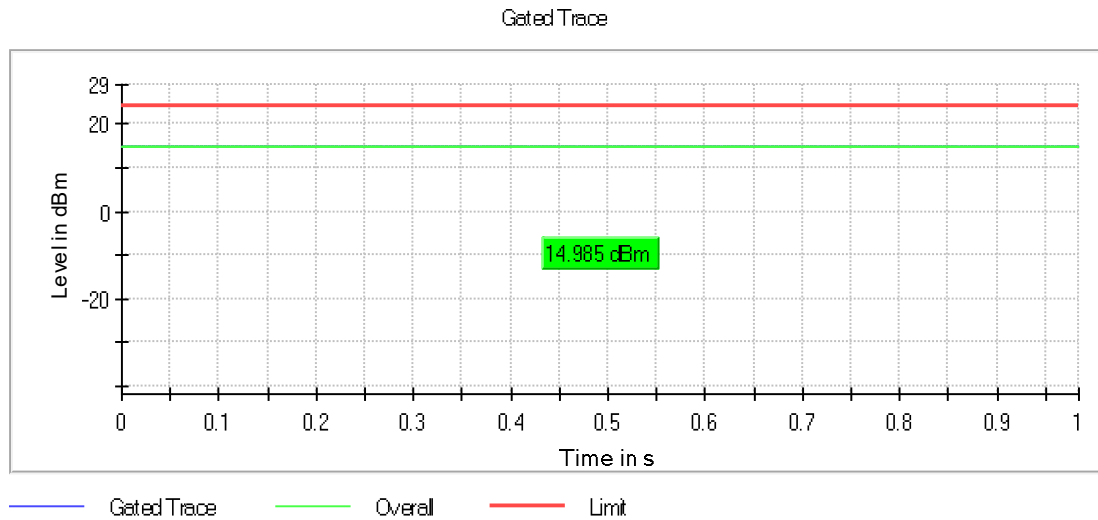
Graph 91: PM-G Power Transmitting at 5260 MHz (Power Level 20)



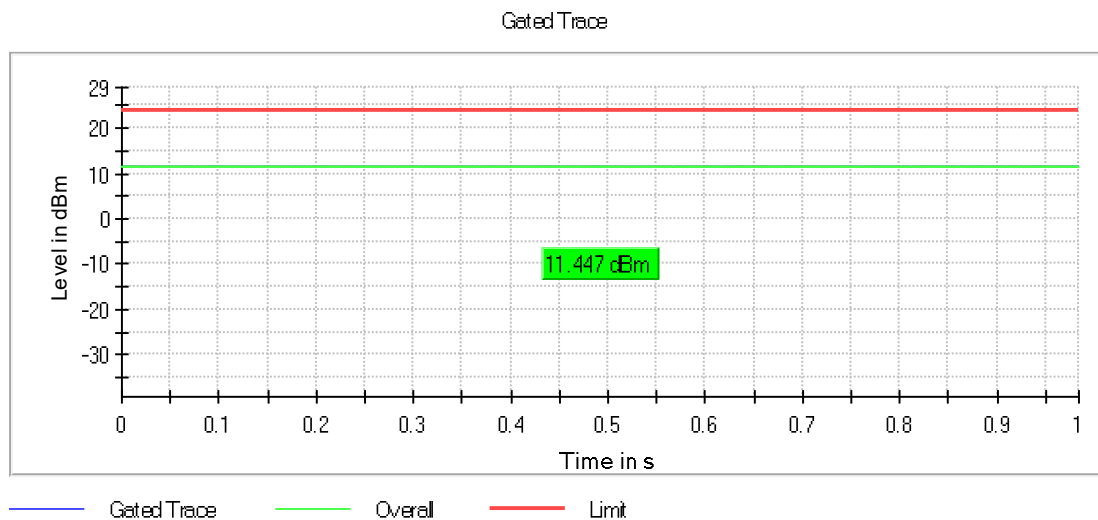
Graph 92: PM-G Power Transmitting at 5280 MHz (Power Level 20)



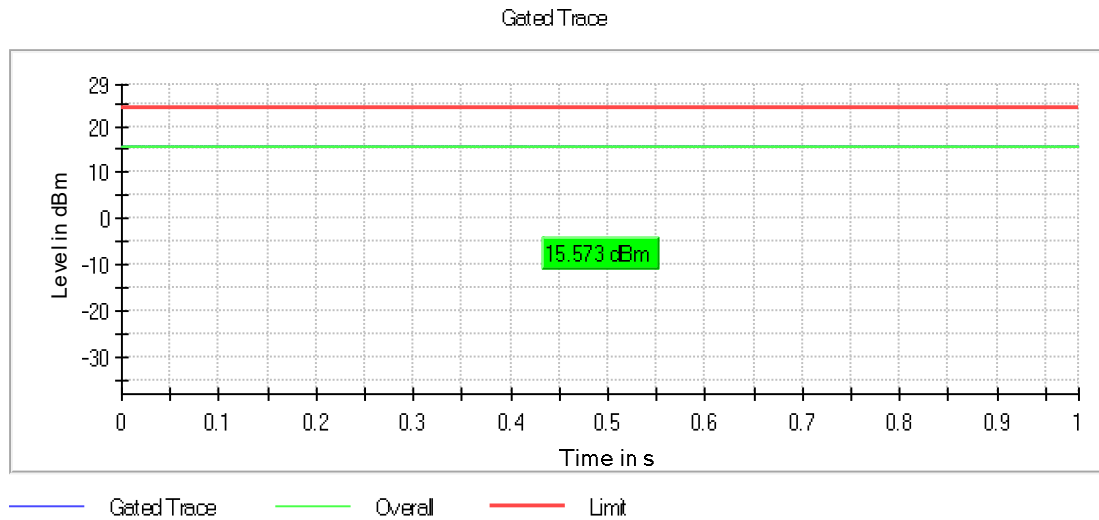
Graph 93: PM-G Power Transmitting at 5300 MHz (Power Level 20)



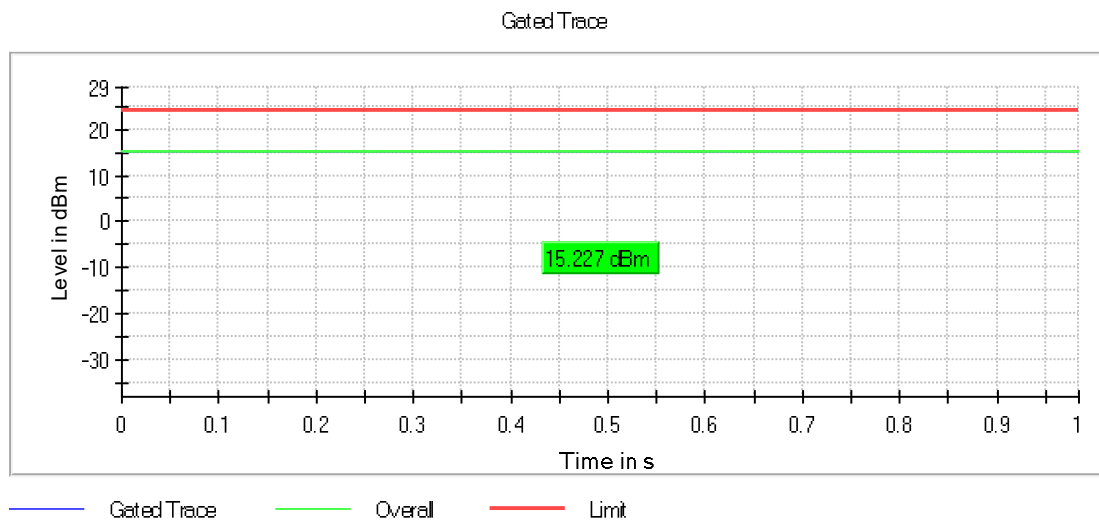
Graph 94: PM-G Power Transmitting at 5320 MHz (Power Level 17)



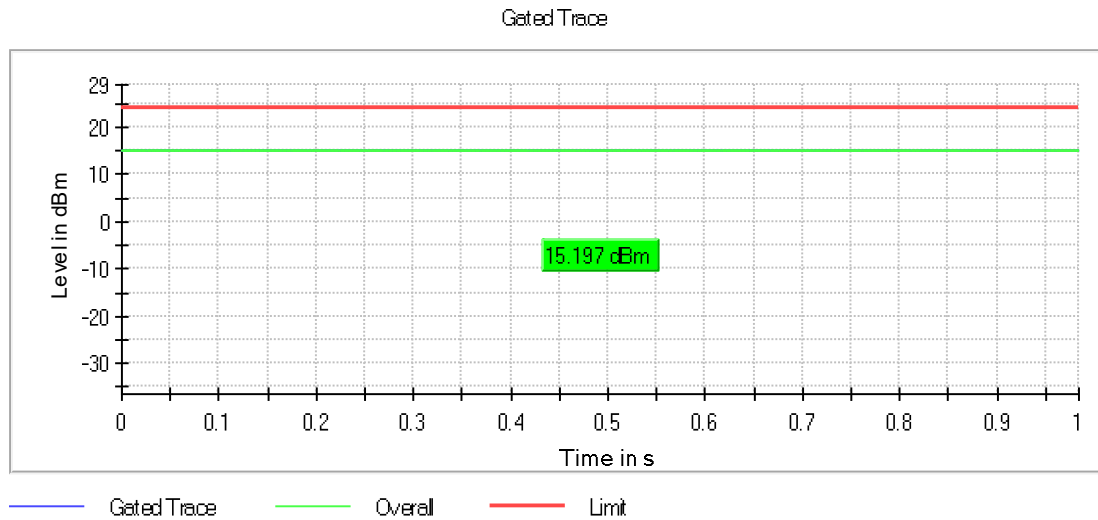
Graph 95: PM-G Power Transmitting at 5500 MHz (Power Level 15)



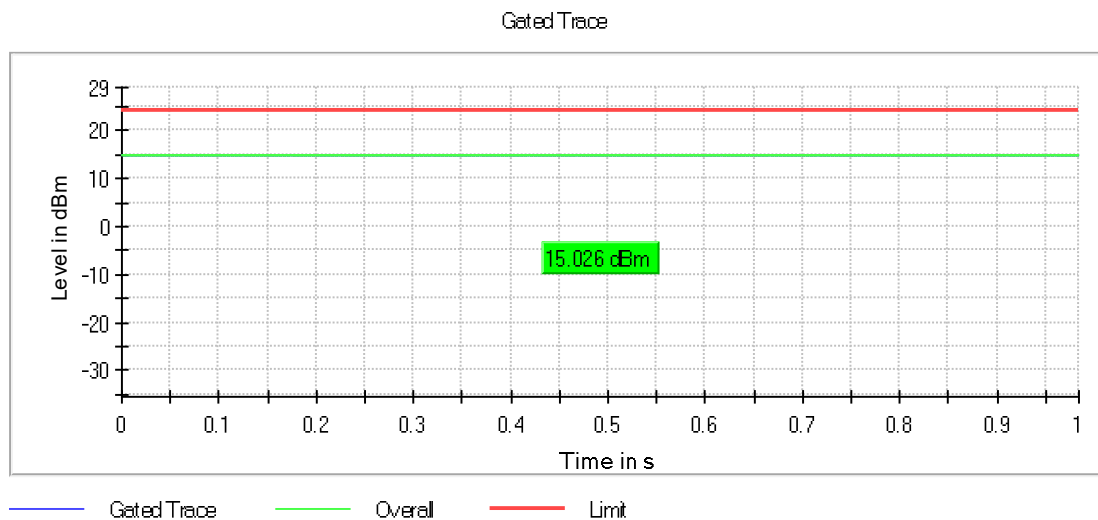
Graph 96: PM-G Power Transmitting at 5520 MHz (Power Level 20)



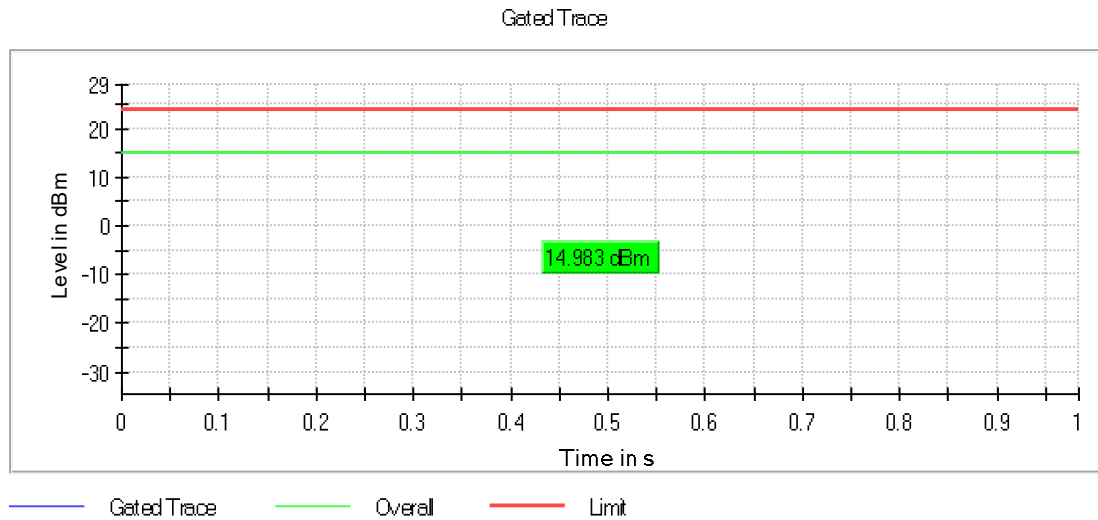
Graph 97: PM-G Power Transmitting at 5540 MHz (Power Level 20)



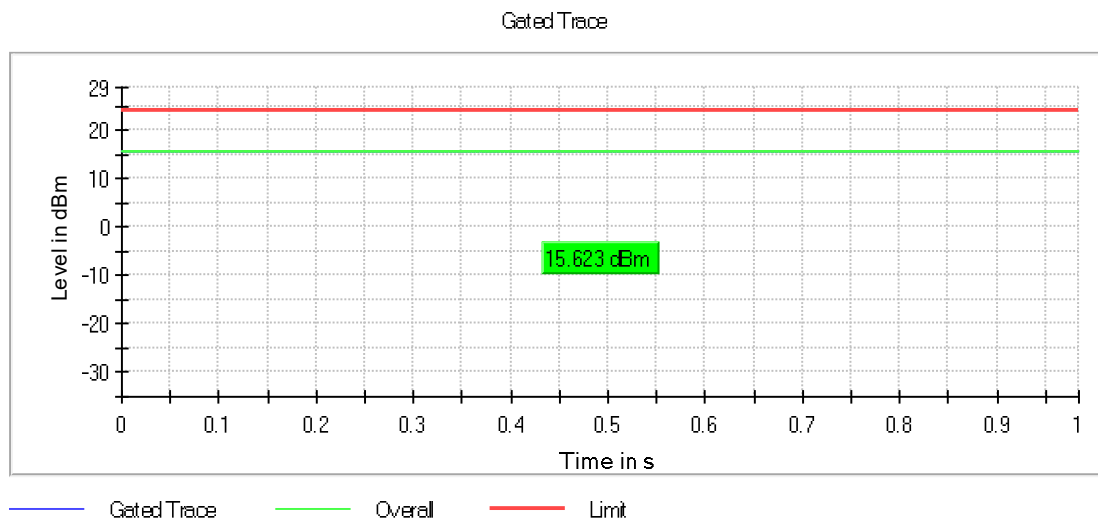
Graph 98: PM-G Power Transmitting at 5560 MHz (Power Level 20)



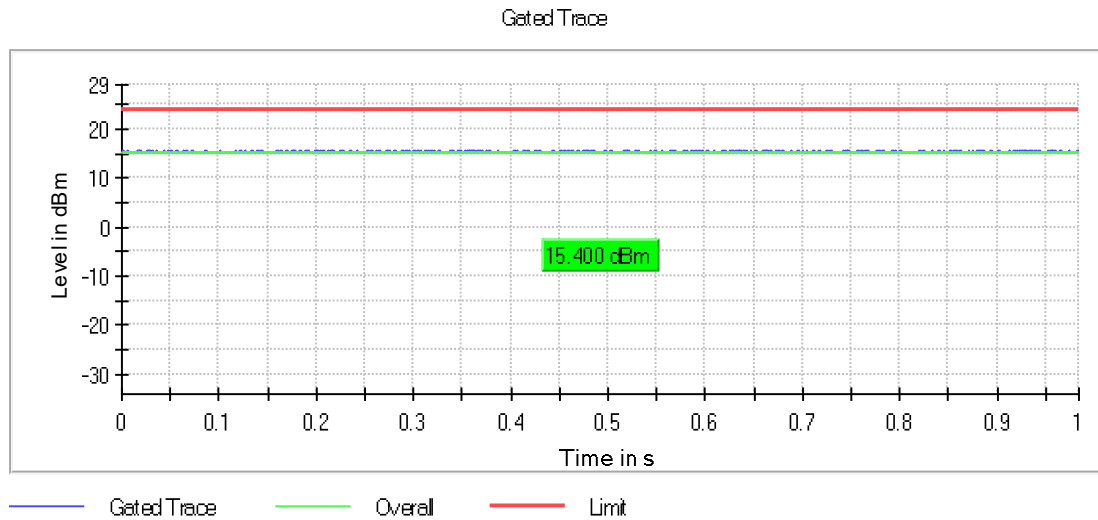
Graph 99: PM-G Power Transmitting at 5580 MHz (Power Level 20)



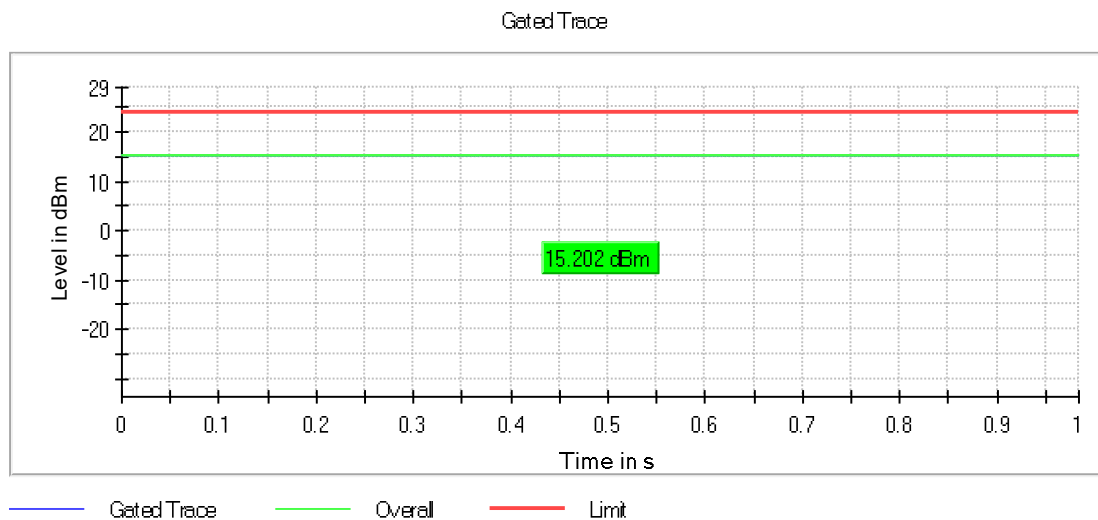
Graph 100: PM-G Power Transmitting at 5600 MHz (Power Level 20)



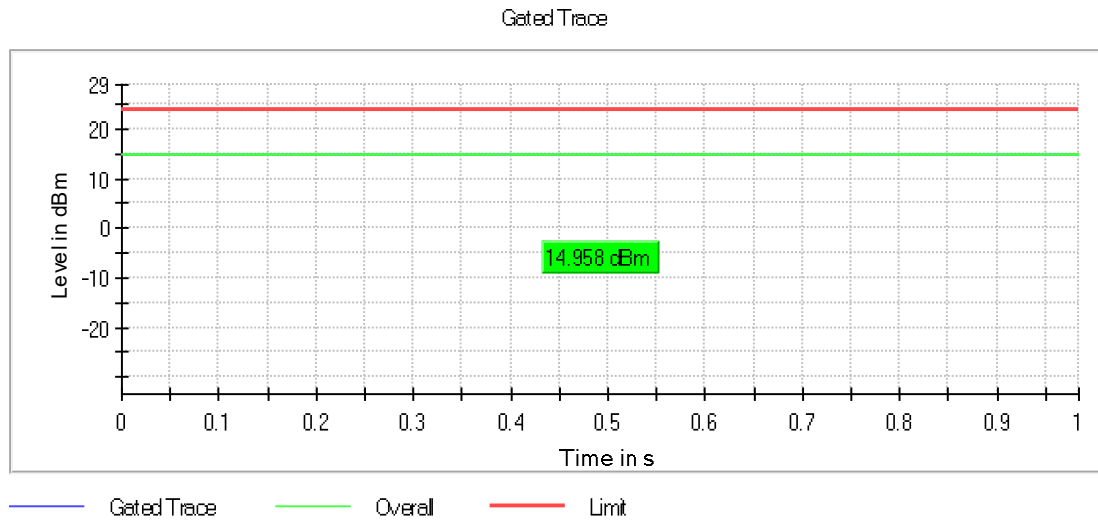
Graph 101: PM-G Power Transmitting at 5620 MHz (Power Level 20)



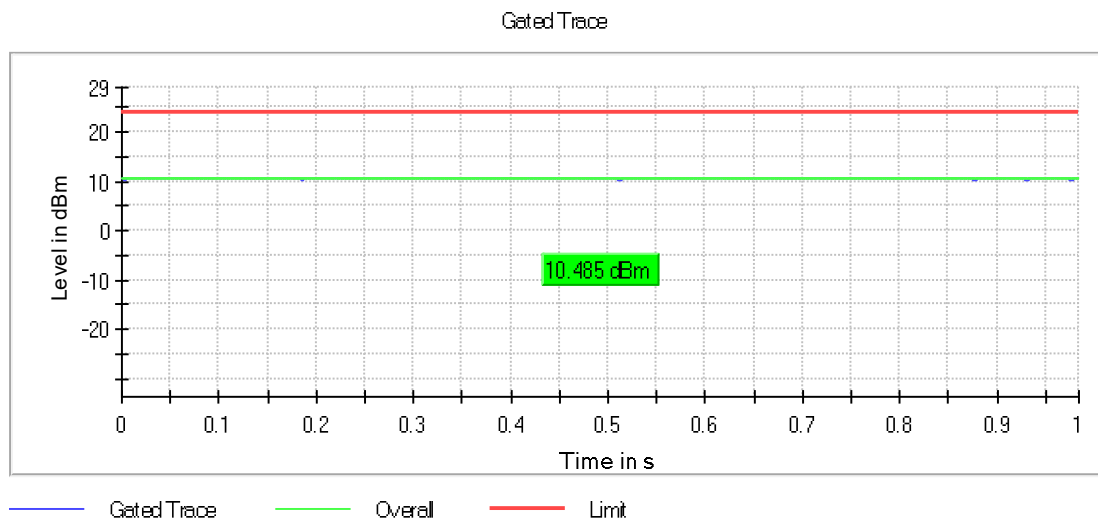
Graph 102: PM-G Power Transmitting at 5640 MHz (Power Level 20)



Graph 103: PM-G Power Transmitting at 5660 MHz (Power Level 20)



Graph 104: PM-G Power Transmitting at 5680 MHz (Power Level 20)



Graph 105: PM-G Power Transmitting at 5700 MHz (Power Level 16)

6.3.2.3 §15.407(a) Power Limits: Maximum Power Spectral Density (UNII 2)

The following tables show the adjusted power spectral density limits.

UNII-2 Power Spectral Density Limits

Power spectral density limits for the UNII-2 band are adjusted based on isotropic antenna gain.

Antenna Gain (dBi)	Default Gain (dBi)	Limit Change (dB)	Default Limit (dBm)	Adjusted Limit (dBm)
3.3	6	0	11	11

Table 16: UNII-2 Power spectral density limits based upon antenna gain

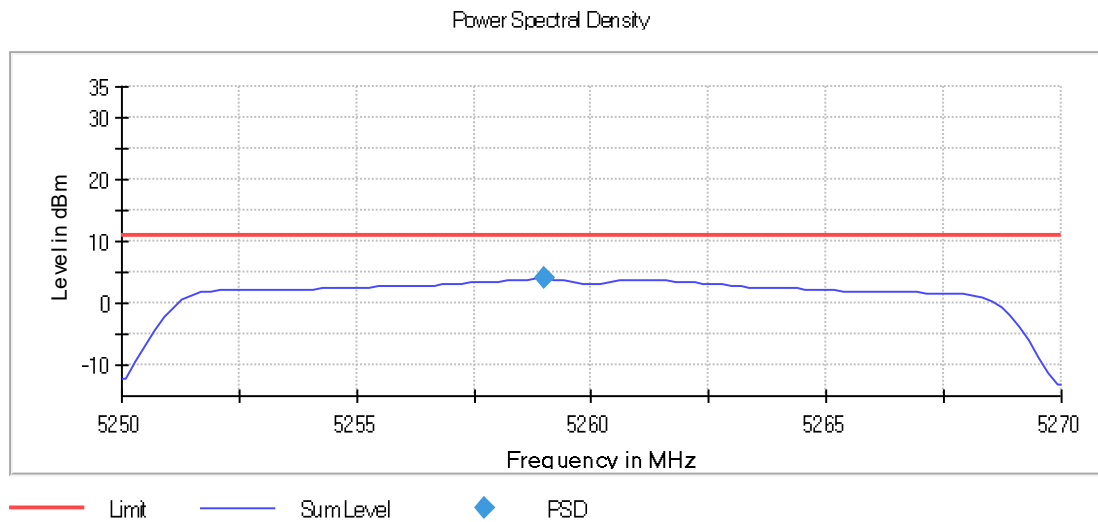
PSD was measured at the intended power set level per channel using Method SA-1 Alternative. See Section 6.2.3 for measurement graphics.

UNII-2 Power Spectral Density Measurements

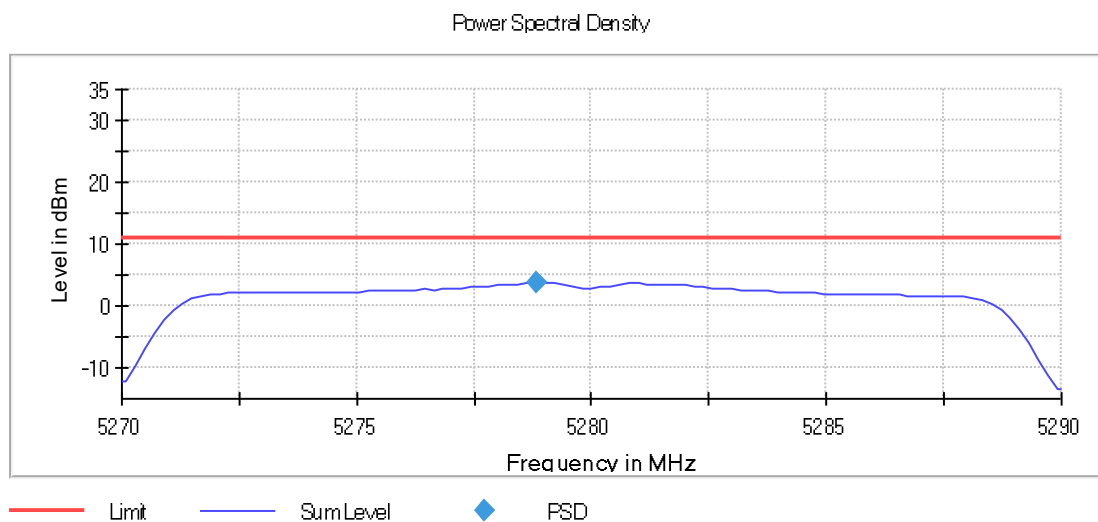
Frequency (MHz)	Conducted Power Density (dBm/MHz)	Conducted Power Density Limit (dBm/MHz)	Margin (dB)
5260	3.9	11	-7.1
5280	3.7	11	-7.3
5300	4.0	11	-7.0
5320	1.3	11	-9.7
5500	-2.4	11	-13.4
5520	1.9	11	-9.1
5540	1.4	11	-9.6
5560	1.3	11	-9.7
5580	1.1	11	-9.9
5600	1.1	11	-9.9
5620	2.6	11	-8.4
5640	1.7	11	-9.3
5660	1.3	11	-9.7
5680	1.1	11	-9.9
5700	-3.5	11	-14.5

Result

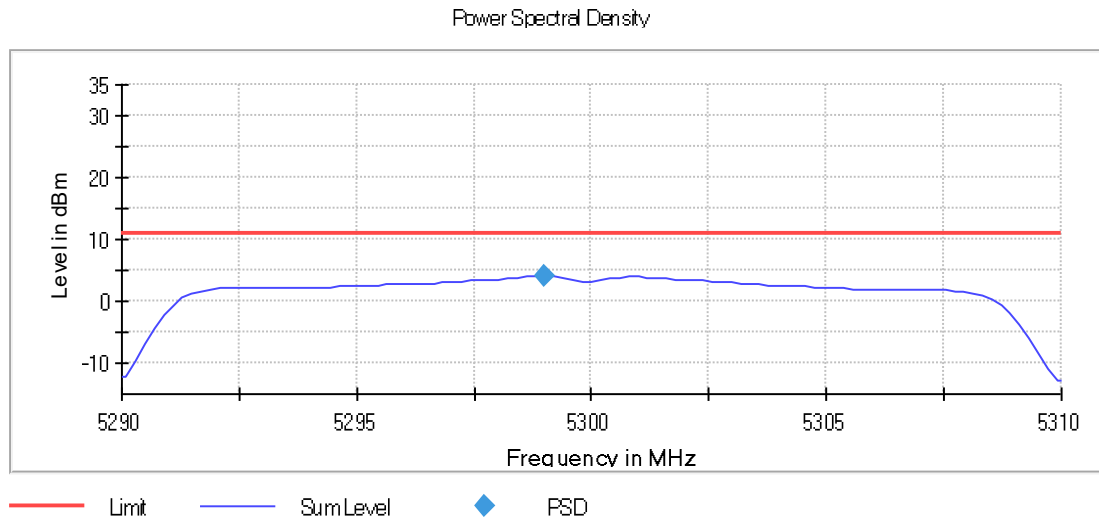
In the configurations tested the EUT complied with the requirements of the specification with a margin of 7.0 dB



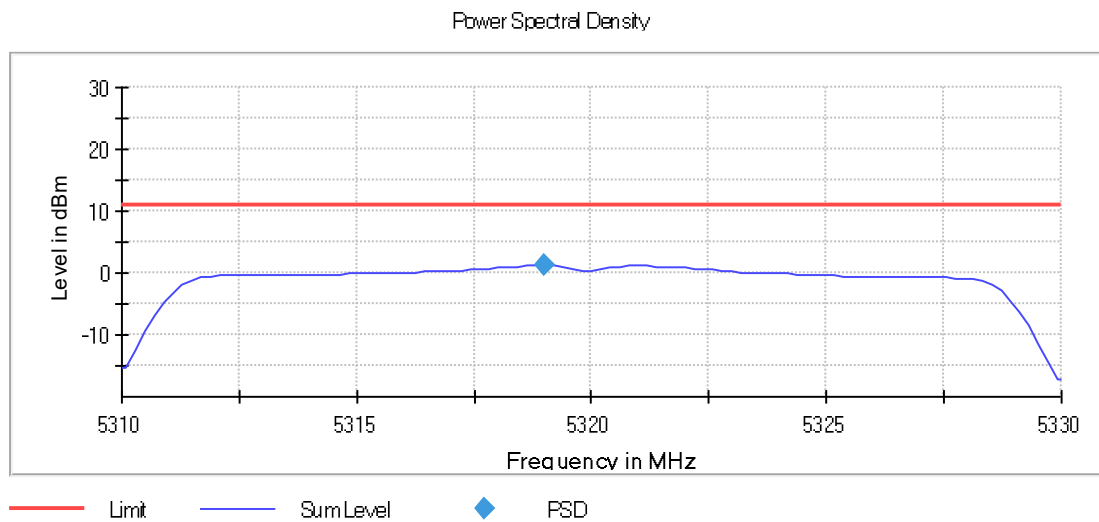
Graph 106: PSD Transmitting at 5260 MHz (Power Level 20)



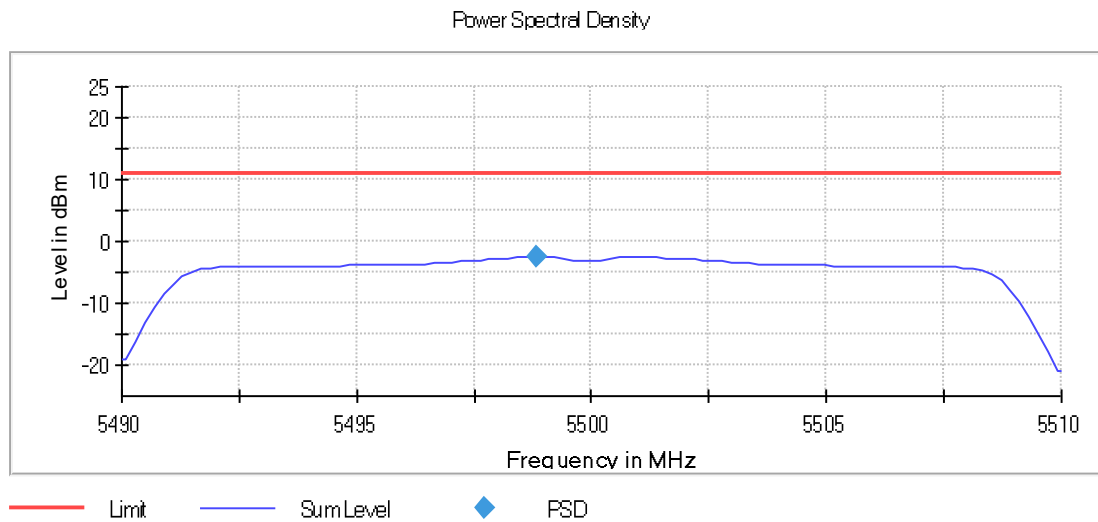
Graph 107: PSD Transmitting at 5280 MHz (Power Level 20)



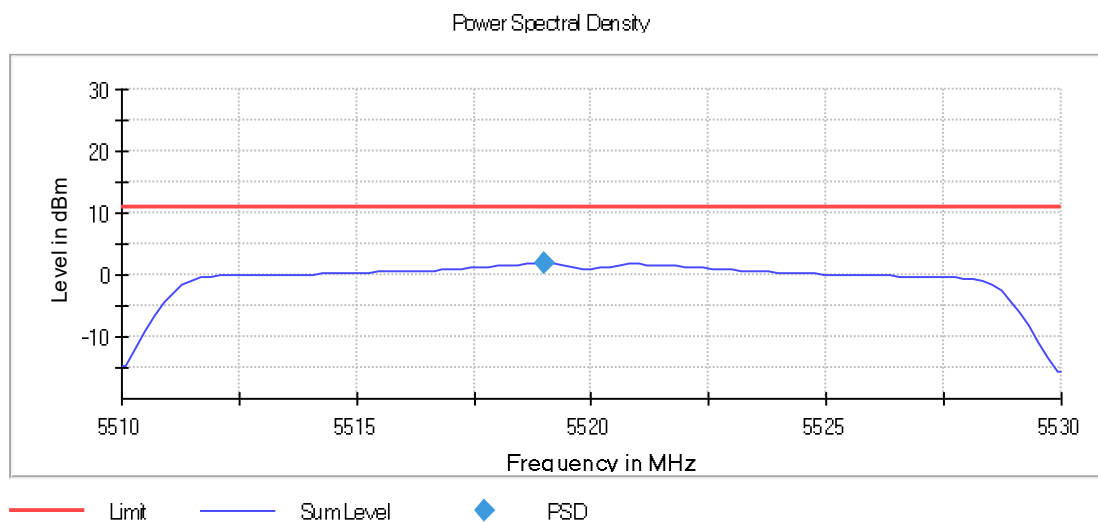
Graph 108: PSD Transmitting at 5300 MHz (Power Level 20)



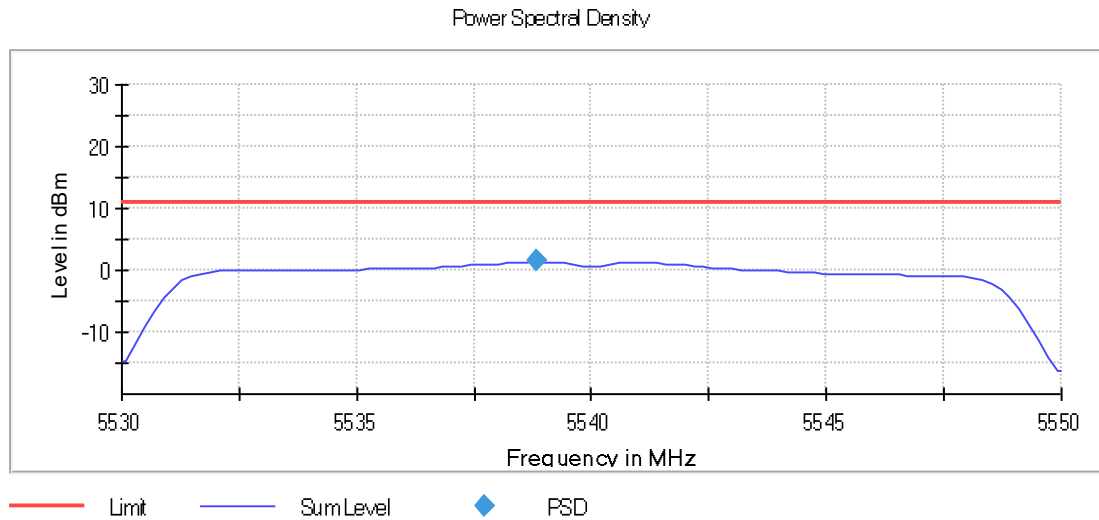
Graph 109: PSD Transmitting at 5320 MHz (Power Level 17)



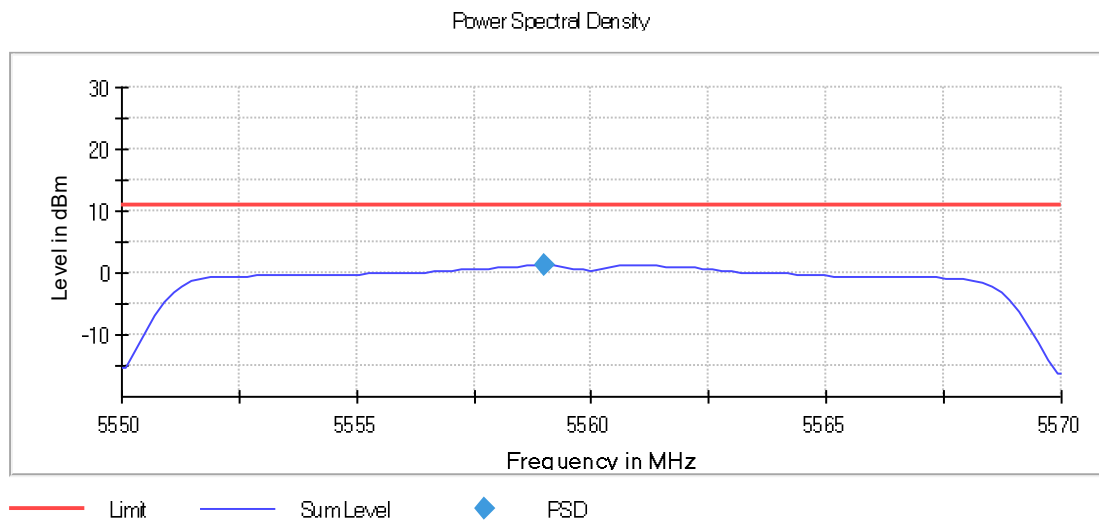
Graph 110: PSD Transmitting at 5500 MHz (Power Level 16)



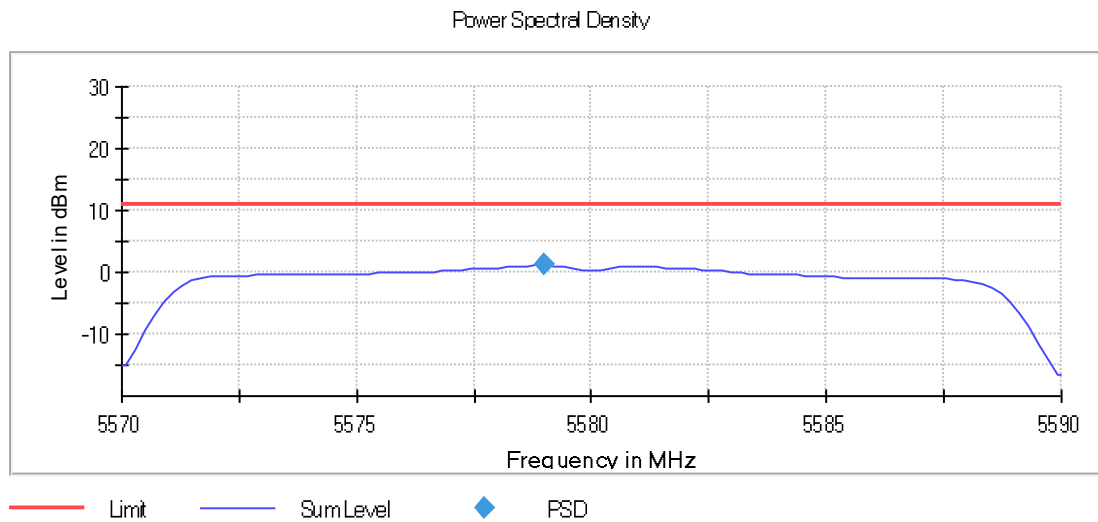
Graph 111: PSD Transmitting at 5520 MHz (Power Level 20)



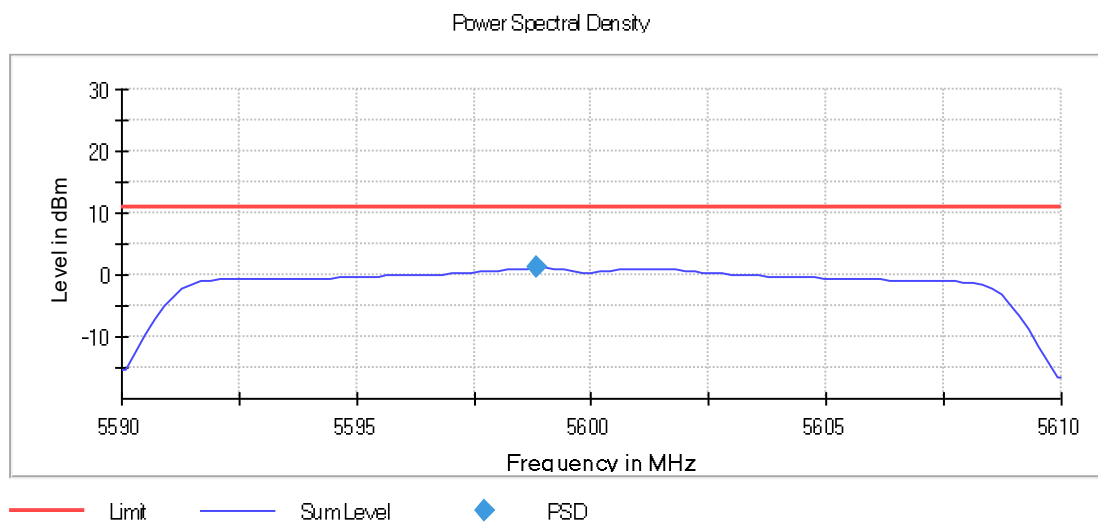
Graph 112: PSD Transmitting at 5540 MHz (Power Level 20)



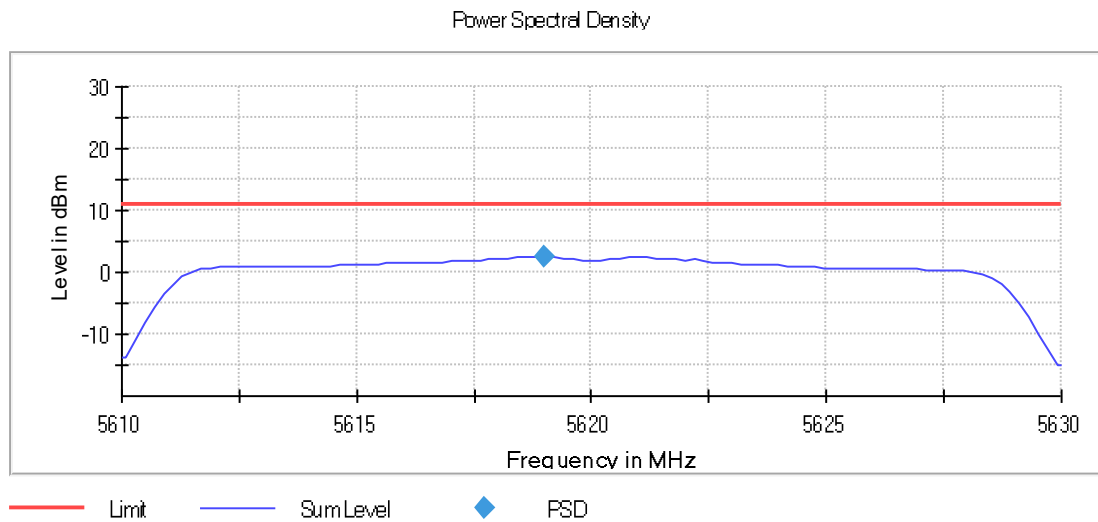
Graph 113: PSD Transmitting at 5560 MHz (Power Level 20)



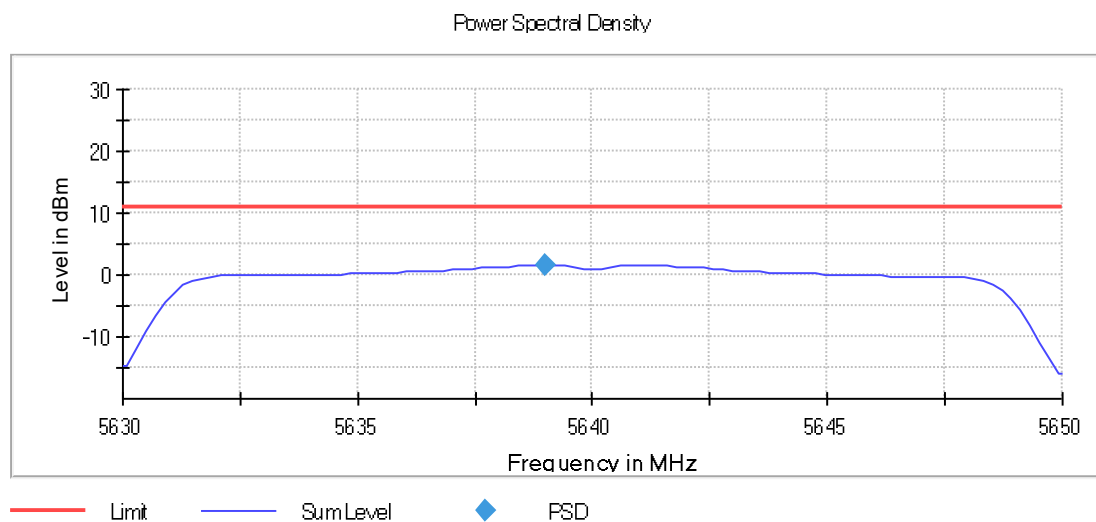
Graph 114: PSD Transmitting at 5580 MHz (Power Level 20)



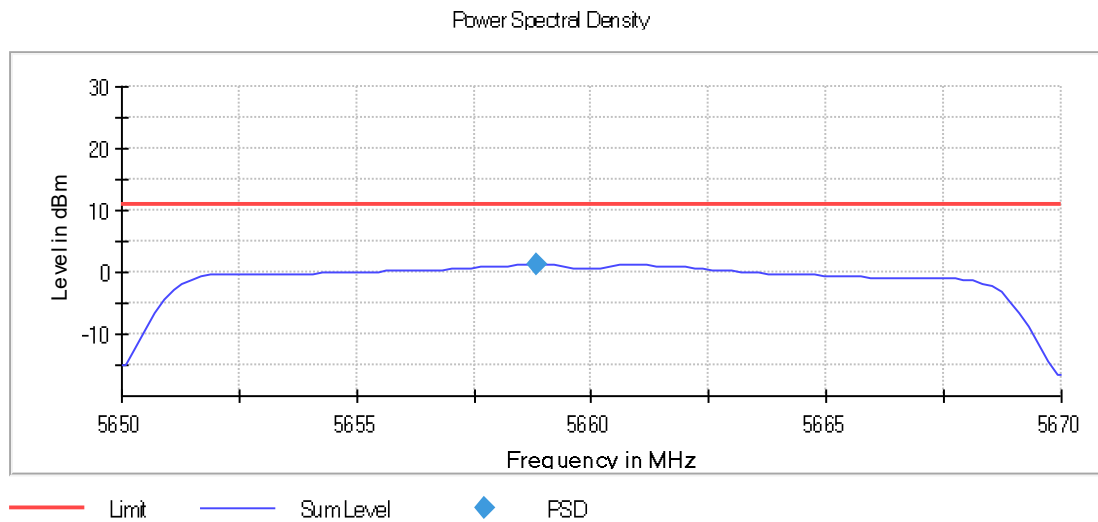
Graph 115: PSD Transmitting at 5600 MHz (Power Level 20)



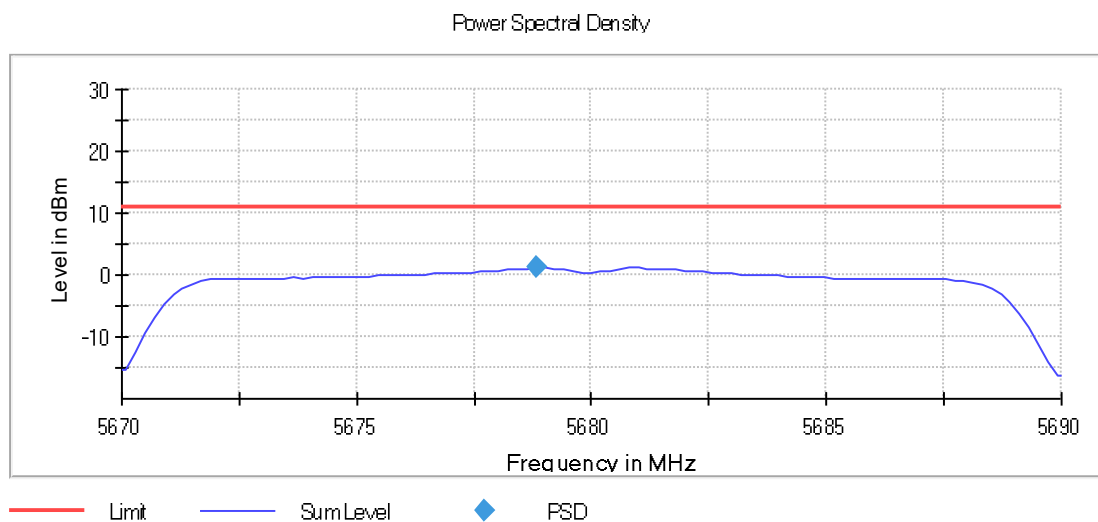
Graph 116: PSD Transmitting at 5620 MHz (Power Level 20)



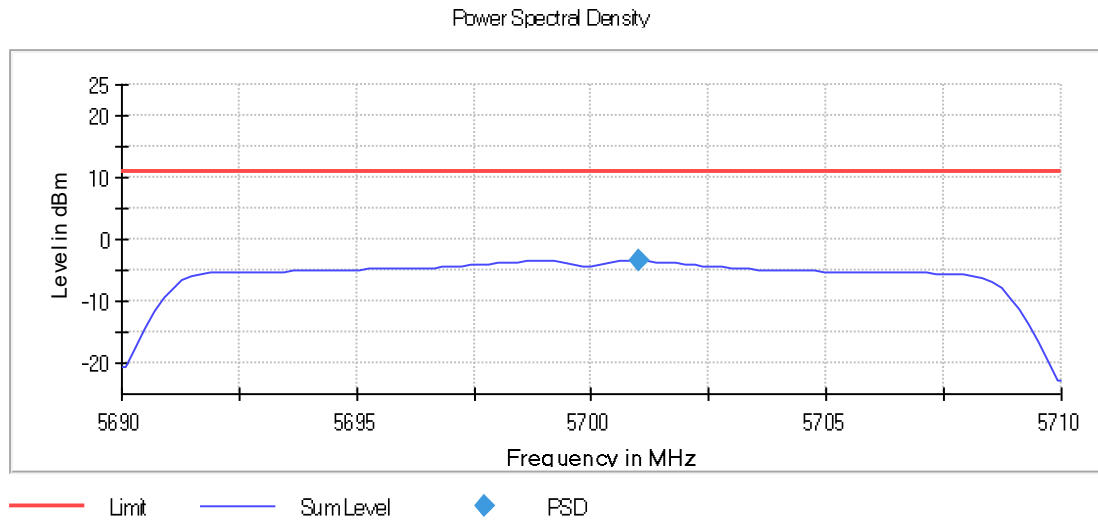
Graph 117: PSD Transmitting at 5640 MHz (Power Level 20)



Graph 118: PSD Transmitting at 5660 MHz (Power Level 20)



Graph 119: PSD Transmitting at 5680 MHz (Power Level 20)



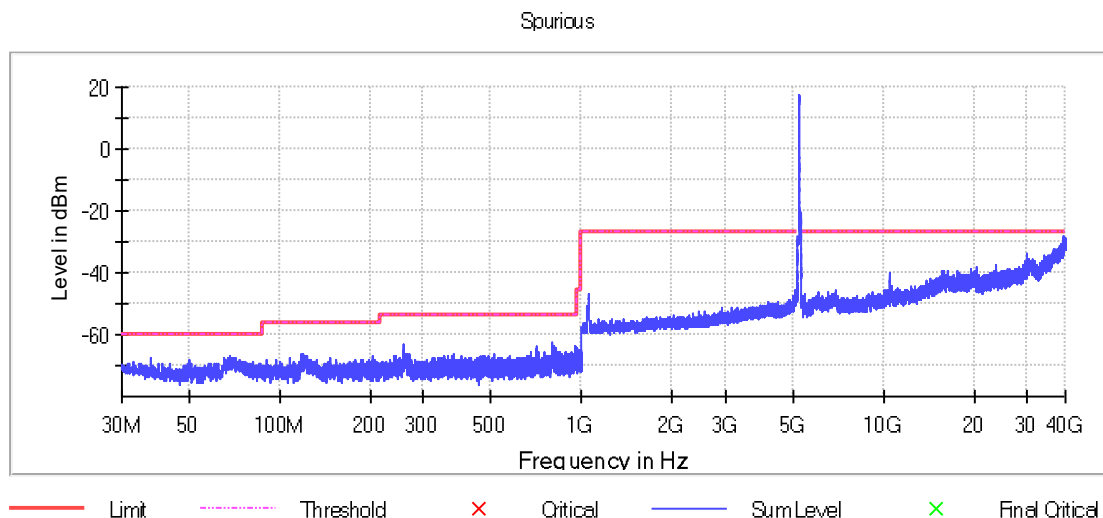
Graph 120: PSD Transmitting at 5700 MHz (Power Level 16)

6.3.2.4 §15.407(b) and §15.207 Undesirable Emissions – Restricted Bands (UNII 2)

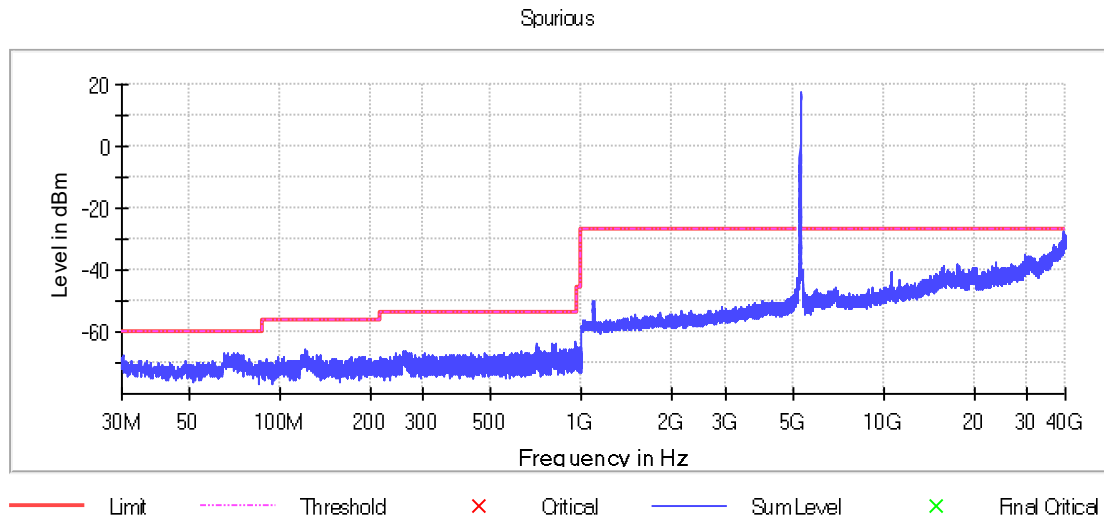
Undesirable radiated emissions in the restricted bands above 1GHz were tested radiated at the low, middle, and high channels at the maximum possible power setting (20). Radiated emissions were measured on both T5IW8 and T5IW11.

Undesirable Emissions were also measured as conducted at the Antenna Port for each channel with stepped powers and corrected using the highest gain antenna (3.3dBi) according to C63.10, sections 11.12.2.2 and 11.12.2.6. Frequencies below 1000MHz were tested for compliance with 15.209 limits with 100kHz RBW at the intended power set level per channel shown in Section 2.3 and noted below. Measurement graphs show max-peak detector results. Below 1000 MHz, when emissions approach the limit, those frequencies are measured with a quasi-peak detector to determine compliance, and those results will be tabulated below the measurement graph.

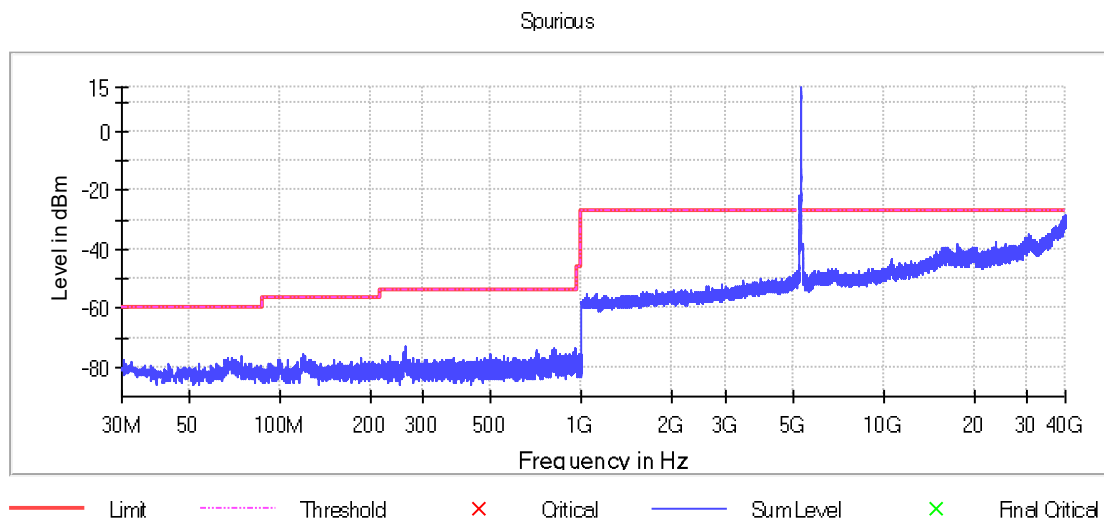
Emissions Transmitting 5260 MHz at Power Level 20:



Emissions Transmitting 5300 MHz at Power Level 20:

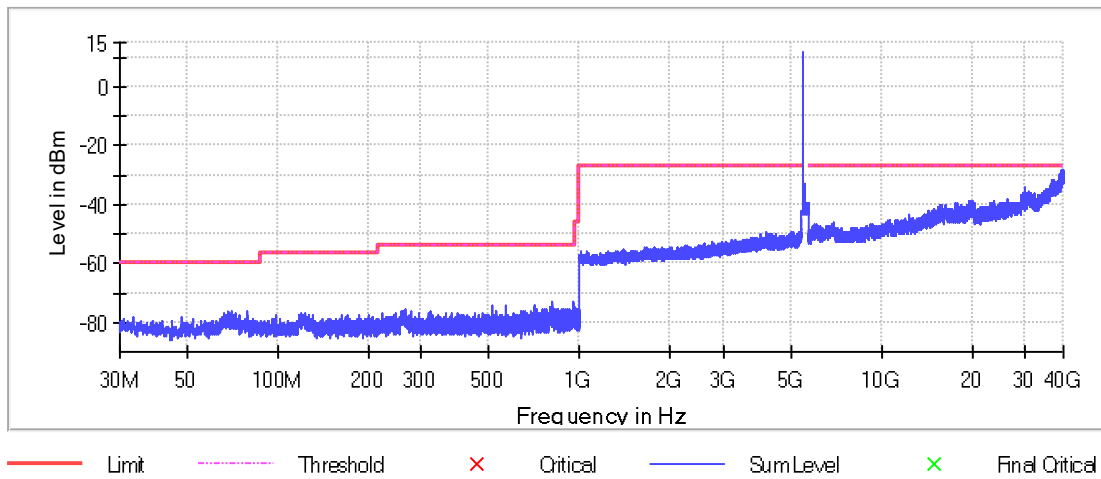


Emissions Transmitting 5320 MHz at Power Level 17:



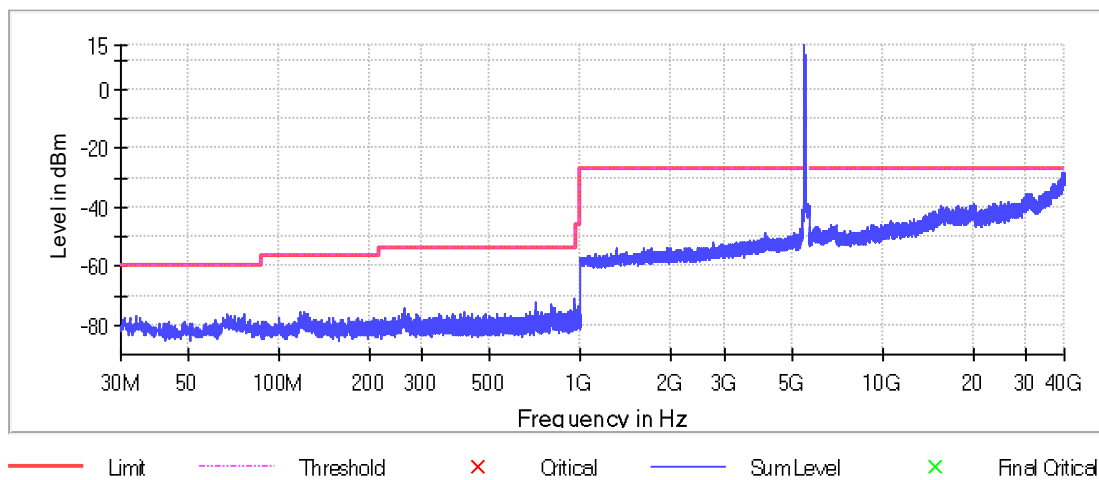
Emissions Transmitting 5500 MHz at Power Level 16:

Spurious



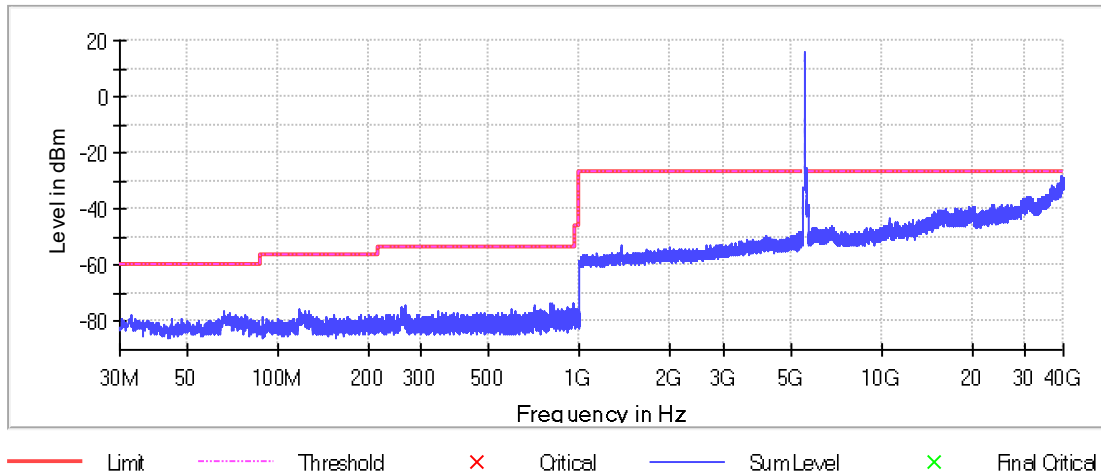
Emissions Transmitting 5520 MHz at Power Level 20:

Spurious



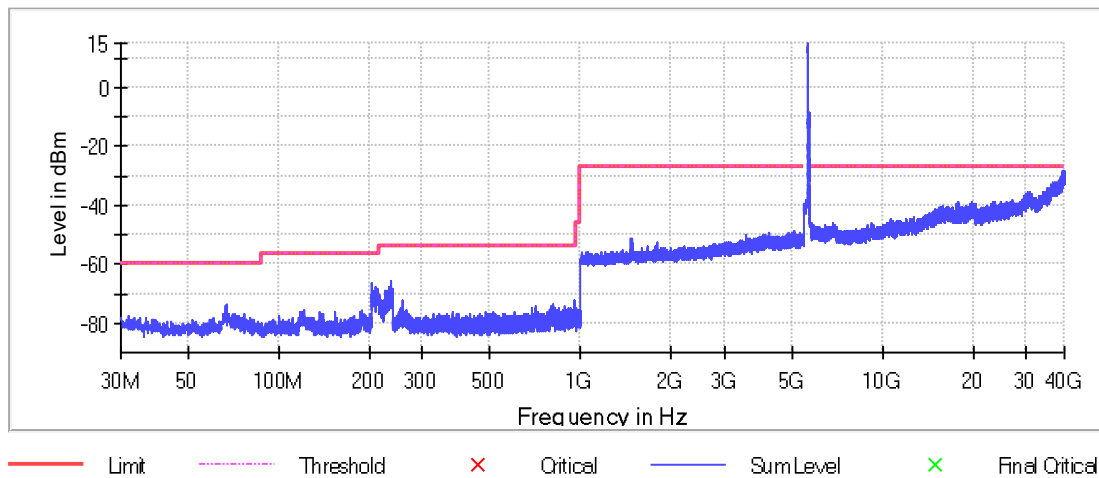
Emissions Transmitting 5580 MHz at Power Level 20:

Spurious

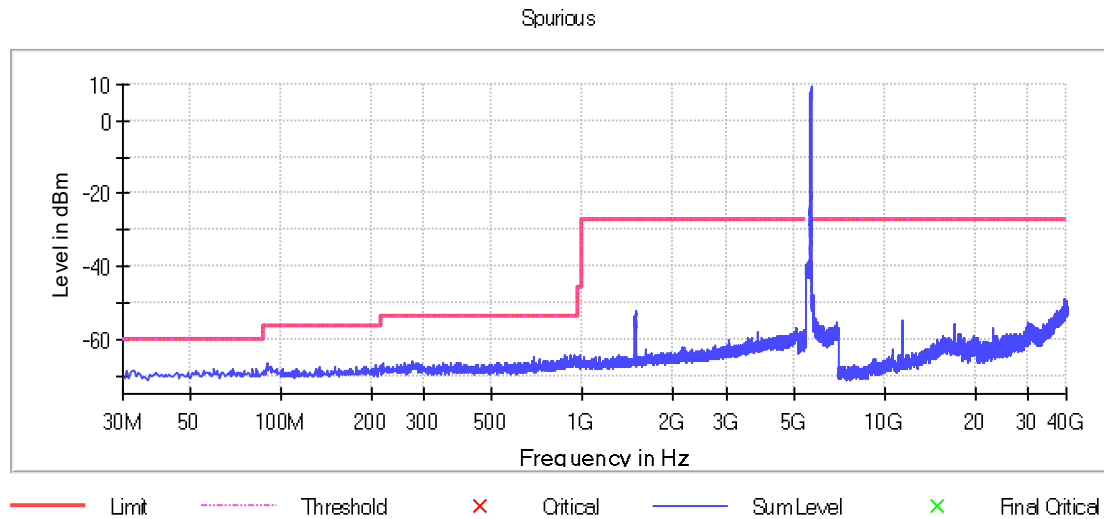


Emissions Transmitting 5680 MHz at Power Level 20:

Spurious



Emissions Transmitting 5700 MHz at Power Level 16:



T5IW8 Radiated Emissions Above 1000MHz Transmitting 5260 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10513.5	Peak	Vertical	39.6	15.0	54.6	74.0	-19.4
10518.7	Average	Vertical	26.7	15.0	41.7	54.0	-12.3
10519.0	Peak	Horizontal	41.4	15.0	56.4	74.0	-17.6
10521.2	Average	Horizontal	28.8	15.0	43.8	54.0	-10.2
15782.6	Peak	Vertical	40.1	15.7	55.8	74.0	-18.2
15779.4	Average	Vertical	27.6	15.7	43.3	54.0	-10.7
15780.7	Peak	Horizontal	44.0	15.7	59.7	74.0	-14.4
15776.9	Average	Horizontal	30.7	15.7	46.4	54.0	-7.6
21069.5	Peak	Vertical	39.0	17.4	56.4	74.0	-17.6
21039.8	Average	Vertical	25.7	17.2	42.9	54.0	-11.1
21066.2	Peak	Horizontal	39.3	17.3	56.7	74.0	-17.3
21040.0	Average	Horizontal	25.7	17.2	42.9	54.0	-11.1
26364.7	Peak	Vertical	37.9	21.8	59.6	74.0	-14.4
26328.4	Average	Vertical	24.3	21.8	46.1	54.0	-7.9
26308.9	Peak	Horizontal	37.8	21.8	59.6	74.0	-14.4
26296.0	Average	Horizontal	24.3	21.8	46.1	54.0	-7.9
31484.9	Peak	Vertical	28.3	28.4	56.7	74.0	-17.3

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
31483.9	Average	Vertical	14.8	28.4	43.2	54.0	-10.8
31483.3	Peak	Horizontal	28.7	28.4	57.1	74.0	-16.9
31482.1	Average	Horizontal	15.0	28.4	43.4	54.0	-10.6
36803.2	Peak	Vertical	26.5	28.5	54.9	74.0	-19.1
36754.5	Average	Vertical	13.4	28.6	42.0	54.0	-12.0
36798.6	Peak	Horizontal	27.4	28.5	55.8	74.0	-18.2
36751.5	Average	Horizontal	13.7	28.6	42.3	54.0	-11.7

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5300 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10602.5	Peak	Vertical	38.3	15.3	53.6	74.0	-20.4
10599.8	Average	Vertical	25.8	15.3	41.1	54.0	-12.9
10603.6	Peak	Horizontal	40.3	15.3	55.7	74.0	-18.3
10599.9	Average	Horizontal	27.7	15.3	43.0	54.0	-11.0
15895.8	Peak	Vertical	38.1	15.8	53.9	74.0	-20.1
15898.7	Average	Vertical	25.6	15.8	41.4	54.0	-12.6
15896.5	Peak	Horizontal	41.9	15.8	57.7	74.0	-16.3
15899.6	Average	Horizontal	28.4	15.8	44.2	54.0	-9.8
21193.3	Peak	Vertical	38.1	17.7	55.8	74.0	-18.2
21199.9	Average	Vertical	25.6	17.8	43.3	54.0	-10.7
21183.9	Peak	Horizontal	38.8	17.7	56.5	74.0	-17.5
21199.9	Average	Horizontal	25.6	17.8	43.4	54.0	-10.6
26458.0	Peak	Vertical	39.1	21.7	60.8	74.0	-13.2
26448.6	Average	Vertical	24.8	21.7	46.5	54.0	-7.5
26433.8	Peak	Horizontal	38.2	21.7	59.9	74.0	-14.1
26441.4	Average	Horizontal	24.9	21.7	46.6	54.0	-7.4
31844.8	Peak	Vertical	27.7	27.5	55.1	74.0	-18.9
31743.8	Average	Vertical	14.3	27.7	41.9	54.0	-12.1
31855.6	Peak	Horizontal	28.2	27.4	55.6	74.0	-18.4
31747.1	Average	Horizontal	14.4	27.7	42.1	54.0	-12.0

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
37155.0	Peak	Vertical	26.9	28.7	55.6	74.0	-18.4
37201.9	Average	Vertical	13.8	28.8	42.6	54.0	-11.4
37035.1	Peak	Horizontal	26.9	28.6	55.5	74.0	-18.5
37201.9	Average	Horizontal	13.7	28.8	42.4	54.0	-11.6

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5320 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
10645.9	Peak	Vertical	37.1	15.6	52.8	74.0	-21.3
10635.0	Average	Vertical	25.1	15.5	40.7	54.0	-13.3
10649.1	Peak	Horizontal	39.6	15.6	55.3	74.0	-18.7
10638.4	Average	Horizontal	27.2	15.6	42.8	54.0	-11.2
15961.7	Peak	Vertical	38.2	16.0	54.3	74.0	-19.7
15957.7	Average	Vertical	25.4	16.0	41.4	54.0	-12.6
15953.6	Peak	Horizontal	41.2	16.0	57.2	74.0	-16.8
15962.2	Average	Horizontal	27.8	16.0	43.9	54.0	-10.1
21239.3	Peak	Vertical	38.5	17.9	56.4	74.0	-17.6
21279.8	Average	Vertical	25.9	18.0	43.9	54.0	-10.1
21294.9	Peak	Horizontal	39.3	18.0	57.3	74.0	-16.7
21279.9	Average	Horizontal	25.8	18.0	43.8	54.0	-10.2
26612.8	Peak	Vertical	29.4	24.8	54.2	74.0	-19.8
26544.1	Average	Vertical	16.1	24.5	40.5	54.0	-13.5
26559.1	Peak	Horizontal	29.6	24.5	54.1	74.0	-19.9
26599.1	Average	Horizontal	16.0	24.7	40.8	54.0	-13.3
31868.2	Peak	Vertical	28.0	27.4	55.4	74.0	-18.6
31876.6	Average	Vertical	14.3	27.4	41.7	54.0	-12.3
31891.7	Peak	Horizontal	28.1	27.4	55.5	74.0	-18.5
31879.1	Average	Horizontal	14.4	27.4	41.8	54.0	-12.2
37220.5	Peak	Vertical	27.3	28.8	56.1	74.0	-17.9
37321.9	Average	Vertical	13.7	29.0	42.6	54.0	-11.4
37325.3	Peak	Horizontal	28.1	29.0	57.1	74.0	-16.9

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
37322.1	Average	Horizontal	13.7	29.0	42.7	54.0	-11.3

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5500 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
11004.0	Peak	Vertical	36.3	16.1	52.4	74.0	-21.7
11000.1	Average	Vertical	23.9	16.0	40.0	54.0	-14.0
10990.6	Peak	Horizontal	36.8	16.0	52.8	74.0	-21.2
10998.7	Average	Horizontal	24.2	16.0	40.3	54.0	-13.8
16503.2	Peak	Vertical	36.3	18.1	54.3	74.0	-19.7
16497.6	Average	Vertical	23.2	18.0	41.2	54.0	-12.8
16502.9	Peak	Horizontal	37.1	18.1	55.2	74.0	-18.8
16497.8	Average	Horizontal	24.7	18.0	42.7	54.0	-11.3
21998.3	Peak	Vertical	38.6	19.4	57.9	74.0	-16.1
21999.9	Average	Vertical	26.3	19.4	45.7	54.0	-8.3
22010.0	Peak	Horizontal	38.8	19.3	58.1	74.0	-15.9
21999.8	Average	Horizontal	26.6	19.4	45.9	54.0	-8.1
27471.7	Peak	Vertical	31.5	23.2	54.7	74.0	-19.3
27434.9	Average	Vertical	17.6	23.4	40.9	54.0	-13.1
27451.3	Peak	Horizontal	31.4	23.3	54.7	74.0	-19.3
27432.5	Average	Horizontal	18.0	23.4	41.3	54.0	-12.7
32934.1	Peak	Vertical	26.9	27.4	54.4	74.0	-19.6
32936.6	Average	Vertical	14.0	27.4	41.5	54.0	-12.5
32938.6	Peak	Horizontal	27.4	27.4	54.8	74.0	-19.2
32924.0	Average	Horizontal	14.3	27.5	41.8	54.0	-12.3
38493.7	Peak	Vertical	27.5	29.3	56.9	74.0	-17.1
38495.2	Average	Vertical	14.7	29.3	44.0	54.0	-10.0
38557.3	Peak	Horizontal	28.6	29.5	58.1	74.0	-15.9
38498.5	Average	Horizontal	14.7	29.4	44.1	54.0	-9.9

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5600 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11198.7	Peak	Vertical	35.9	17.4	53.2	74.0	-20.8
11201.4	Average	Vertical	23.8	17.4	41.2	54.0	-12.8
11213.0	Peak	Horizontal	37.2	17.4	54.6	74.0	-19.4
11198.7	Average	Horizontal	23.6	17.4	41.0	54.0	-13.0
16816.2	Peak	Vertical	34.1	19.5	53.6	74.0	-20.4
16797.8	Average	Vertical	21.4	19.5	40.9	54.0	-13.1
16809.0	Peak	Horizontal	34.5	19.5	54.0	74.0	-20.0
16799.7	Average	Horizontal	21.8	19.5	41.3	54.0	-12.7
22418.2	Peak	Vertical	38.9	19.4	58.3	74.0	-15.7
22399.9	Average	Vertical	25.5	19.4	44.9	54.0	-9.1
22377.8	Peak	Horizontal	38.9	19.4	58.2	74.0	-15.8
22399.8	Average	Horizontal	25.8	19.4	45.2	54.0	-8.8
28013.5	Peak	Vertical	32.6	22.7	55.2	74.0	-18.8
28001.1	Average	Vertical	18.7	22.7	41.4	54.0	-12.6
28013.8	Peak	Horizontal	33.5	22.7	56.2	74.0	-17.8
28032.9	Average	Horizontal	20.1	22.6	42.7	54.0	-11.3
33643.2	Peak	Vertical	28.3	26.7	55.0	74.0	-19.0
33631.7	Average	Vertical	14.5	26.7	41.2	54.0	-12.8
33569.2	Peak	Horizontal	30.0	26.9	57.0	74.0	-17.1
33563.3	Average	Horizontal	16.0	26.9	42.9	54.0	-11.1
39204.0	Peak	Vertical	26.8	33.0	59.7	74.0	-14.3
39218.5	Average	Vertical	13.8	33.2	47.0	54.0	-7.0
39245.6	Peak	Horizontal	28.7	33.6	62.3	74.0	-11.7
39238.0	Average	Horizontal	15.3	33.5	48.8	54.0	-5.3

T5IW8 Radiated Emissions Above 1000MHz Transmitting 5700 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11394.7	Peak	Vertical	36.1	17.2	53.4	74.0	-20.7
11399.2	Average	Vertical	23.0	17.2	40.3	54.0	-13.8

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
11384.2	Peak	Horizontal	35.5	17.3	52.8	74.0	-21.2
11396.8	Average	Horizontal	22.7	17.2	39.9	54.0	-14.1
17100.1	Peak	Vertical	34.2	20.5	54.7	74.0	-19.3
17100.2	Average	Vertical	21.3	20.5	41.8	54.0	-12.2
17103.0	Peak	Horizontal	34.1	20.5	54.6	74.0	-19.4
17098.7	Average	Horizontal	21.3	20.5	41.7	54.0	-12.3
22810.8	Peak	Vertical	39.2	20.5	59.7	74.0	-14.3
22799.8	Average	Vertical	25.8	20.5	46.2	54.0	-7.8
22770.2	Peak	Horizontal	39.1	20.4	59.5	74.0	-14.5
22799.6	Average	Horizontal	25.9	20.5	46.4	54.0	-7.6
28490.0	Peak	Vertical	32.6	22.3	54.9	74.0	-19.1
28480.4	Average	Vertical	18.8	22.3	41.1	54.0	-12.9
28477.7	Peak	Horizontal	32.4	22.3	54.8	74.0	-19.2
28469.7	Average	Horizontal	19.0	22.3	41.4	54.0	-12.6
34185.2	Peak	Vertical	27.8	28.8	56.7	74.0	-17.4
34141.9	Average	Vertical	14.1	28.9	43.0	54.0	-11.0
34151.2	Peak	Horizontal	28.1	28.9	57.0	74.0	-17.0
34181.3	Average	Horizontal	14.2	28.8	43.0	54.0	-11.0
39930.3	Peak	Vertical	25.3	37.6	63.0	74.0	-11.0
39879.5	Average	Vertical	12.5	37.1	49.6	54.0	-4.4
39876.0	Peak	Horizontal	26.1	37.1	63.2	74.0	-10.8
39879.3	Average	Horizontal	12.9	37.1	50.0	54.0	-4.1

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5260 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10519.5	Peak	Vertical	37.0	15.0	52.0	74.0	-22.0
10521.6	Average	Vertical	23.5	15.0	38.5	54.0	-15.5
10524.7	Peak	Horizontal	37.4	15.0	52.4	74.0	-21.6
10518.3	Average	Horizontal	24.9	15.0	39.9	54.0	-14.2
15769.7	Peak	Vertical	36.5	15.7	52.2	74.0	-21.8

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
15767.0	Average	Vertical	22.5	15.7	38.2	54.0	-15.8
15767.3	Peak	Horizontal	35.7	15.7	51.4	74.0	-22.6
15770.6	Average	Horizontal	22.7	15.7	38.4	54.0	-15.6
21017.3	Peak	Vertical	40.4	17.1	57.5	74.0	-16.5
21040.0	Average	Vertical	26.2	17.2	43.4	54.0	-10.6
21058.2	Peak	Horizontal	39.3	17.3	56.6	74.0	-17.4
21039.5	Average	Horizontal	26.4	17.2	43.6	54.0	-10.4
26280.5	Peak	Vertical	38.1	21.8	60.0	74.0	-14.0
26361.4	Average	Vertical	24.7	21.8	46.5	54.0	-7.5
26324.2	Peak	Horizontal	38.3	21.8	60.1	74.0	-13.9
26297.6	Average	Horizontal	24.6	21.8	46.4	54.0	-7.6
31498.6	Peak	Vertical	28.0	28.3	56.3	74.0	-17.7
31507.4	Average	Vertical	14.9	28.3	43.2	54.0	-10.8
31509.2	Peak	Horizontal	28.1	28.3	56.4	74.0	-17.6
31494.3	Average	Horizontal	14.9	28.4	43.3	54.0	-10.7
36794.4	Peak	Vertical	27.0	28.5	55.5	74.0	-18.5
36736.0	Average	Vertical	13.9	28.6	42.5	54.0	-11.5
36763.7	Peak	Horizontal	27.6	28.5	56.2	74.0	-17.8
36761.4	Average	Horizontal	14.0	28.5	42.5	54.0	-11.5

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5300 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10604.0	Peak	Vertical	36.4	15.3	51.7	74.0	-22.3
10599.5	Average	Vertical	23.4	15.3	38.7	54.0	-15.3
10597.6	Peak	Horizontal	37.5	15.3	52.8	74.0	-21.2
10598.8	Average	Horizontal	24.4	15.3	39.7	54.0	-14.3
15896.7	Peak	Vertical	35.0	15.8	50.8	74.0	-23.2
15916.5	Average	Vertical	21.7	15.9	37.6	54.0	-16.4
15919.0	Peak	Horizontal	35.3	15.9	51.2	74.0	-22.8
15923.0	Average	Horizontal	21.9	15.9	37.8	54.0	-16.2

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
21244.9	Peak	Vertical	39.0	17.9	56.8	74.0	-17.2
21199.4	Average	Vertical	25.9	17.8	43.7	54.0	-10.3
21167.1	Peak	Horizontal	39.3	17.7	57.0	74.0	-17.0
21200.0	Average	Horizontal	26.3	17.8	44.1	54.0	-10.0
26437.6	Peak	Vertical	38.7	21.7	60.4	74.0	-13.6
26450.9	Average	Vertical	25.3	21.7	47.0	54.0	-7.0
26451.8	Peak	Horizontal	38.8	21.7	60.5	74.0	-13.5
26453.6	Average	Horizontal	25.4	21.7	47.1	54.0	-6.9
31726.2	Peak	Vertical	30.7	27.7	58.4	74.0	-15.6
31750.7	Average	Vertical	17.2	27.7	44.9	54.0	-9.2
31778.8	Peak	Horizontal	31.5	27.6	59.1	74.0	-14.9
31768.1	Average	Horizontal	17.1	27.6	44.7	54.0	-9.3
37102.3	Peak	Vertical	29.5	28.7	58.2	74.0	-15.8
37151.2	Average	Vertical	16.3	28.7	45.1	54.0	-8.9
37119.7	Peak	Horizontal	30.3	28.7	59.0	74.0	-15.1
37111.3	Average	Horizontal	16.4	28.7	45.1	54.0	-8.9

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5320 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10627.8	Peak	Vertical	36.9	15.5	52.4	74.0	-21.6
10641.8	Average	Vertical	23.3	15.6	38.9	54.0	-15.2
10637.5	Peak	Horizontal	36.8	15.6	52.4	74.0	-21.6
10638.5	Average	Horizontal	24.5	15.6	40.1	54.0	-13.9
15947.7	Peak	Vertical	35.3	16.0	51.3	74.0	-22.7
15962.5	Average	Vertical	22.1	16.0	38.1	54.0	-15.9
15972.4	Peak	Horizontal	36.1	16.1	52.2	74.0	-21.8
15964.1	Average	Horizontal	22.4	16.1	38.4	54.0	-15.6
21316.2	Peak	Vertical	40.0	18.1	58.1	74.0	-16.0
21279.4	Average	Vertical	26.2	18.0	44.2	54.0	-9.9
21270.5	Peak	Horizontal	39.3	17.9	57.2	74.0	-16.8

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
21279.6	Average	Horizontal	27.1	18.0	45.1	54.0	-8.9
26583.7	Peak	Vertical	32.0	24.6	56.7	74.0	-17.3
26558.5	Average	Vertical	18.5	24.5	43.0	54.0	-11.0
26592.8	Peak	Horizontal	32.0	24.7	56.7	74.0	-17.3
26588.2	Average	Horizontal	18.6	24.7	43.3	54.0	-10.7
31948.1	Peak	Vertical	29.8	27.2	57.1	74.0	-17.0
31938.5	Average	Vertical	16.1	27.3	43.4	54.0	-10.6
31971.7	Peak	Horizontal	29.6	27.2	56.8	74.0	-17.2
31976.2	Average	Horizontal	16.5	27.2	43.7	54.0	-10.3
37328.2	Peak	Vertical	30.5	29.0	59.5	74.0	-14.5
37329.9	Average	Vertical	16.4	29.0	45.4	54.0	-8.6
37152.4	Peak	Horizontal	29.7	28.7	58.5	74.0	-15.6
37221.7	Average	Horizontal	16.1	28.8	45.0	54.0	-9.1

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5500 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
11003.5	Peak	Vertical	35.8	16.1	51.9	74.0	-22.1
10980.0	Average	Vertical	22.6	16.0	38.6	54.0	-15.4
11005.0	Peak	Horizontal	36.0	16.1	52.1	74.0	-21.9
10996.2	Average	Horizontal	22.8	16.0	38.8	54.0	-15.2
16472.6	Peak	Vertical	35.5	17.9	53.4	74.0	-20.6
16499.3	Average	Vertical	21.6	18.0	39.6	54.0	-14.4
16482.4	Peak	Horizontal	35.5	17.9	53.5	74.0	-20.6
16522.9	Average	Horizontal	21.5	18.2	39.7	54.0	-14.3
22018.6	Peak	Vertical	39.7	19.3	59.0	74.0	-15.0
21997.1	Average	Vertical	25.4	19.4	44.7	54.0	-9.3
22030.2	Peak	Horizontal	39.2	19.3	58.5	74.0	-15.5
21999.5	Average	Horizontal	26.4	19.4	45.7	54.0	-8.3
27549.5	Peak	Vertical	33.7	23.0	56.7	74.0	-17.3
27548.0	Average	Vertical	20.0	23.0	42.9	54.0	-11.1

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
27474.5	Peak	Horizontal	34.0	23.2	57.2	74.0	-16.8
27531.7	Average	Horizontal	20.0	23.0	43.1	54.0	-11.0
32943.5	Peak	Vertical	30.6	27.4	58.0	74.0	-16.0
32956.3	Average	Vertical	16.4	27.4	43.8	54.0	-10.2
32969.4	Peak	Horizontal	30.1	27.4	57.4	74.0	-16.6
32974.3	Average	Horizontal	16.6	27.4	43.9	54.0	-10.1
38435.7	Peak	Vertical	31.0	29.2	60.2	74.0	-13.8
38478.2	Average	Vertical	17.5	29.3	46.8	54.0	-7.2
38483.6	Peak	Horizontal	31.7	29.3	61.0	74.0	-13.0
38483.6	Average	Horizontal	17.7	29.3	47.0	54.0	-7.0

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5600 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
11197.2	Peak	Vertical	37.2	17.4	54.6	74.0	-19.4
11199.2	Average	Vertical	24.4	17.4	41.8	54.0	-12.2
11207.6	Peak	Horizontal	37.2	17.4	54.6	74.0	-19.4
11199.6	Average	Horizontal	24.0	17.4	41.4	54.0	-12.6
16790.1	Peak	Vertical	36.1	19.5	55.6	74.0	-18.4
16798.3	Average	Vertical	23.4	19.5	42.9	54.0	-11.1
16797.9	Peak	Horizontal	36.7	19.5	56.2	74.0	-17.8
16799.0	Average	Horizontal	23.3	19.5	42.8	54.0	-11.2
22346.7	Peak	Vertical	39.3	19.3	58.6	74.0	-15.4
22357.3	Average	Vertical	25.1	19.3	44.5	54.0	-9.5
22381.9	Peak	Horizontal	38.9	19.4	58.3	74.0	-15.7
22399.4	Average	Horizontal	25.4	19.4	44.8	54.0	-9.2
28015.0	Peak	Vertical	34.1	22.7	56.8	74.0	-17.2
27988.6	Average	Vertical	20.2	22.8	43.0	54.0	-11.0
28024.5	Peak	Horizontal	34.1	22.6	56.7	74.0	-17.3
28020.0	Average	Horizontal	20.7	22.6	43.3	54.0	-10.7
33588.1	Peak	Vertical	29.4	26.9	56.3	74.0	-17.7

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
33632.4	Average	Vertical	16.4	26.7	43.1	54.0	-10.9
33595.1	Peak	Horizontal	29.4	26.8	56.3	74.0	-17.8
33593.2	Average	Horizontal	16.1	26.9	42.9	54.0	-11.1
39139.7	Peak	Vertical	29.6	32.0	61.6	74.0	-12.4
39146.9	Average	Vertical	16.3	32.1	48.4	54.0	-5.6
39148.1	Peak	Horizontal	30.2	32.1	62.3	74.0	-11.7
39236.8	Average	Horizontal	14.6	33.5	48.0	54.0	-6.0

T5IW11 Radiated Emissions Above 1000MHz Transmitting 5700 MHz at Power Level 20:

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dBμV)	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
11403.0	Peak	Vertical	36.6	17.2	53.8	74.0	-20.3
11398.7	Average	Vertical	24.1	17.2	41.3	54.0	-12.7
11376.1	Peak	Horizontal	36.8	17.3	54.1	74.0	-19.9
11398.7	Average	Horizontal	24.0	17.2	41.2	54.0	-12.8
17105.3	Peak	Vertical	35.5	20.5	56.0	74.0	-18.0
17096.4	Average	Vertical	22.4	20.5	42.8	54.0	-11.2
17108.6	Peak	Horizontal	35.9	20.5	56.4	74.0	-17.6
17109.8	Average	Horizontal	22.4	20.5	42.9	54.0	-11.1
22804.4	Peak	Vertical	39.3	20.5	59.8	74.0	-14.2
22750.8	Average	Vertical	25.9	20.4	46.3	54.0	-7.7
22823.4	Peak	Horizontal	39.5	20.5	60.0	74.0	-14.0
22799.8	Average	Horizontal	25.9	20.5	46.3	54.0	-7.7
28462.8	Peak	Vertical	33.6	22.3	55.9	74.0	-18.1
28504.1	Average	Vertical	20.1	22.4	42.4	54.0	-11.6
28559.9	Peak	Horizontal	34.7	22.4	57.1	74.0	-16.9
28450.7	Average	Horizontal	20.3	22.3	42.6	54.0	-11.4
34166.5	Peak	Vertical	29.7	28.9	58.6	74.0	-15.4
34169.4	Average	Vertical	16.0	28.8	44.9	54.0	-9.1
34150.3	Peak	Horizontal	30.2	28.9	59.0	74.0	-15.0
34142.9	Average	Horizontal	16.3	28.9	45.2	54.0	-8.8

Frequency (MHz)	Detector	Antenna Polarity	Receiver Reading (dB μ V)	Correction Factor (dB)	Field Strength (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
39866.1	Peak	Vertical	28.1	37.1	65.2	74.0	-8.8
39886.2	Average	Vertical	14.7	37.1	51.8	54.0	-2.2
39889.7	Peak	Horizontal	28.5	37.1	65.5	74.0	-8.5
39885.2	Average	Horizontal	14.9	37.1	52.0	54.0	-2.0

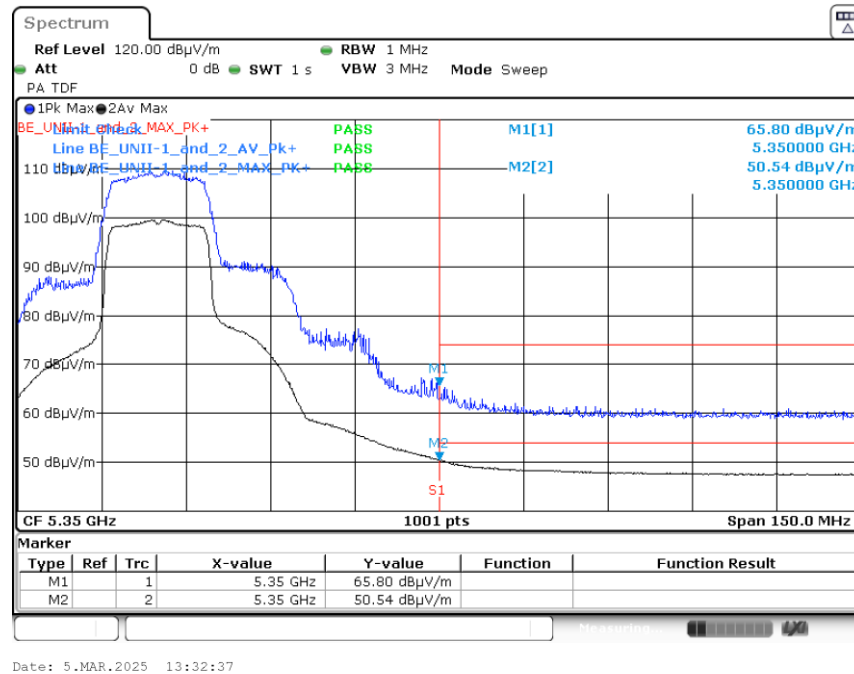
Result

The EUT complied with the specification limit by a margin of 2.2 dB.

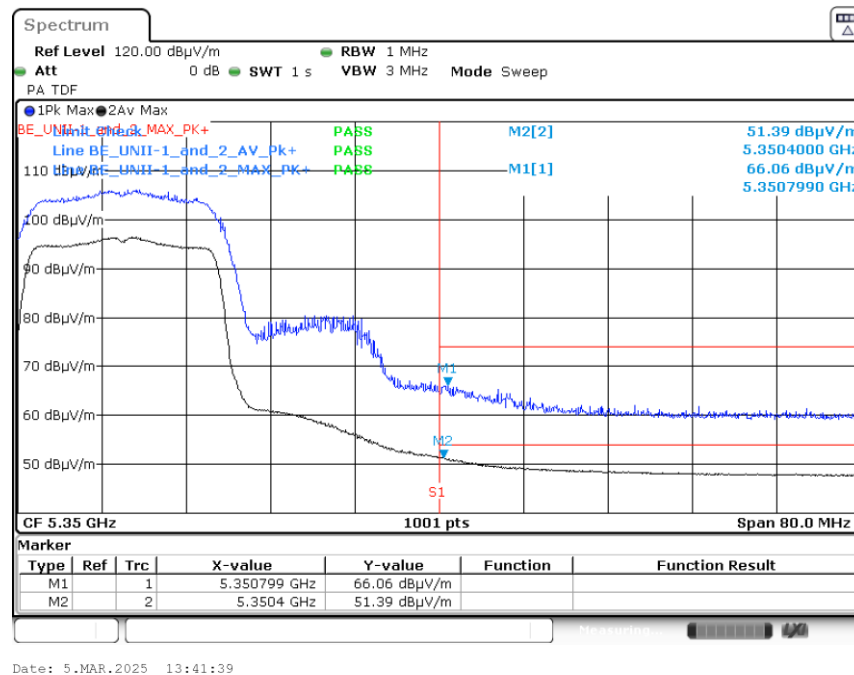
6.3.2.5 §15.407(b) Undesirable Emissions – Band Edges (UNII 2)

Band Edge were tested radiated at or above the intended power setting per channel.

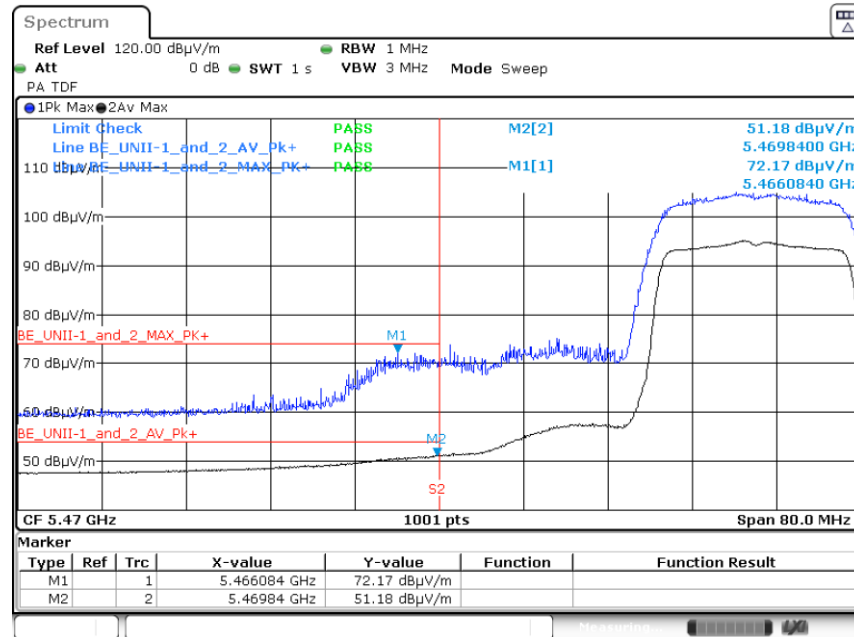
T5IW8 Transmitting on 5300 MHz (Power Level 20):



T5IW8 Transmitting on 5320 MHz (Power Level 16):

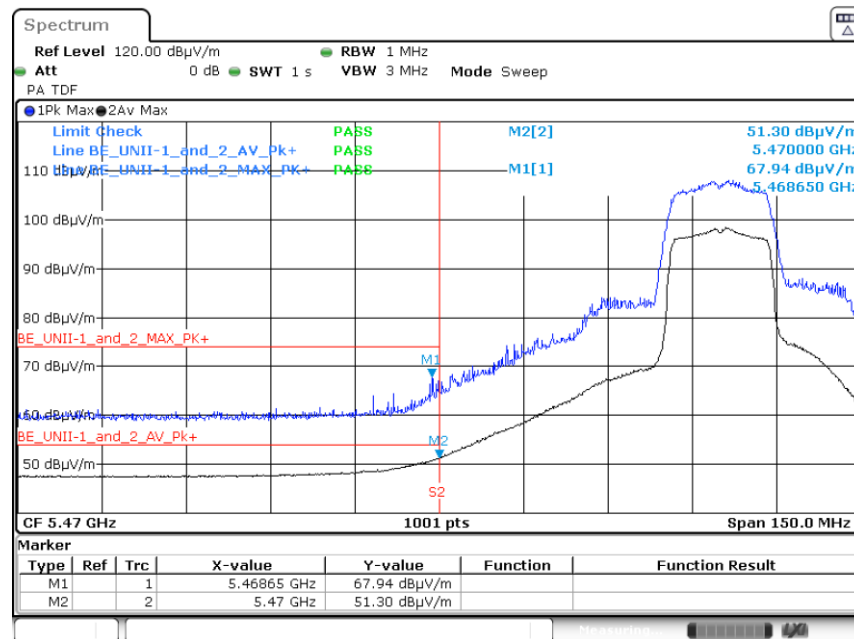


T5IW8 Transmitting on 5500 MHz (Power Level 16):



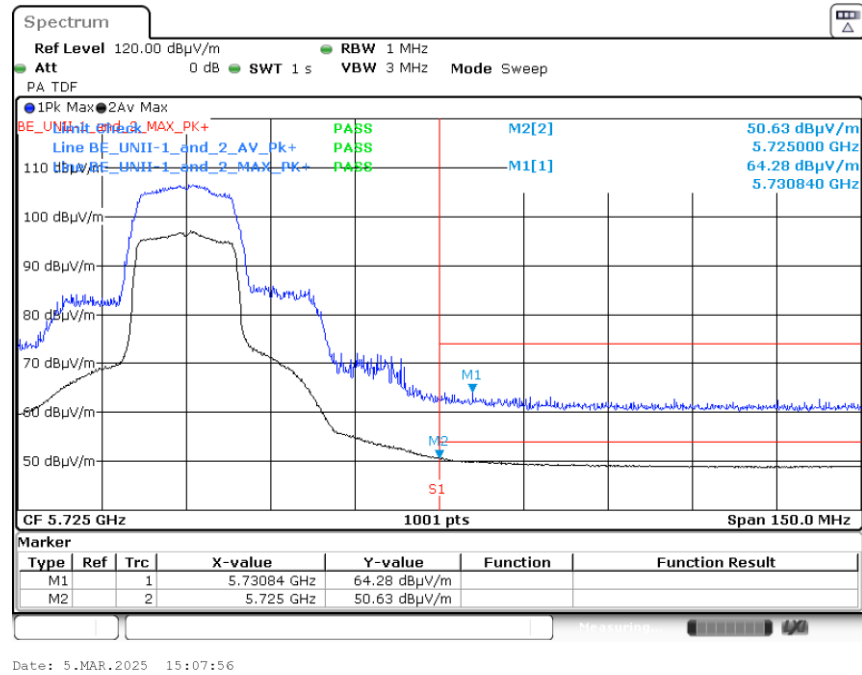
Date: 5.MAR.2025 13:53:17

T5IW8 Transmitting on 5520 MHz (Power Level 20):

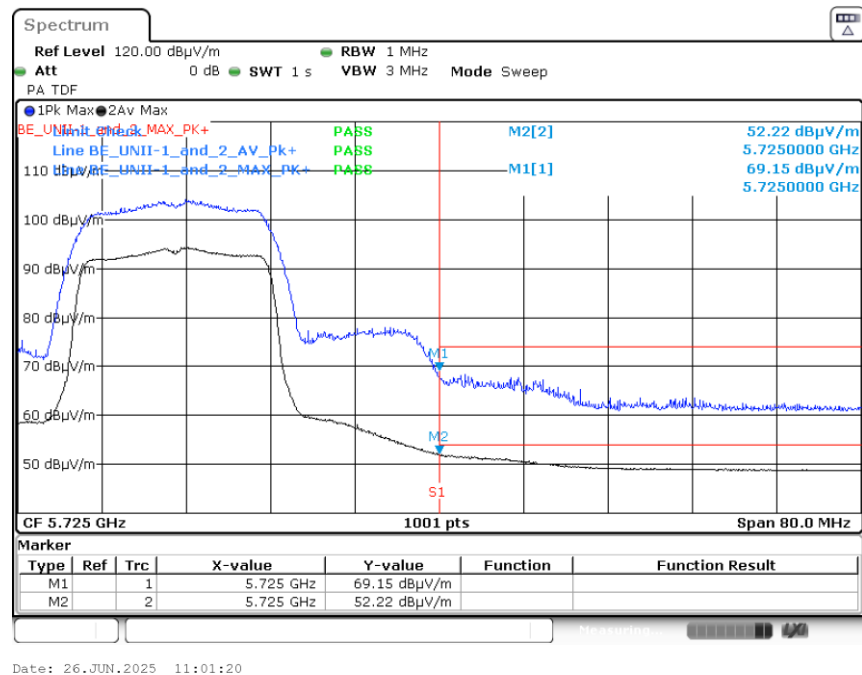


Date: 5.MAR.2025 13:59:44

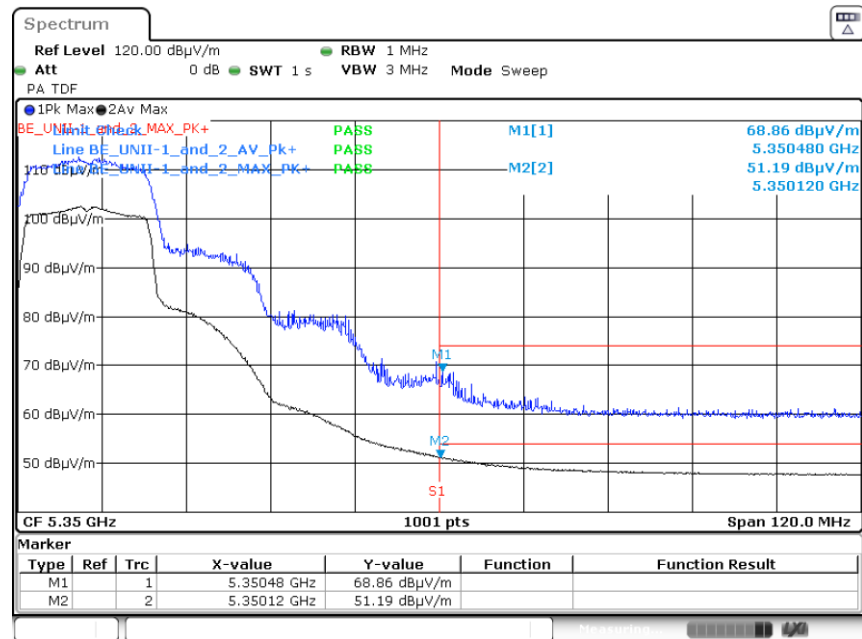
T5IW8 Transmitting on 5680 MHz (Power Level 20):



T5IW8 Transmitting on 5700 MHz (Power Level 16):

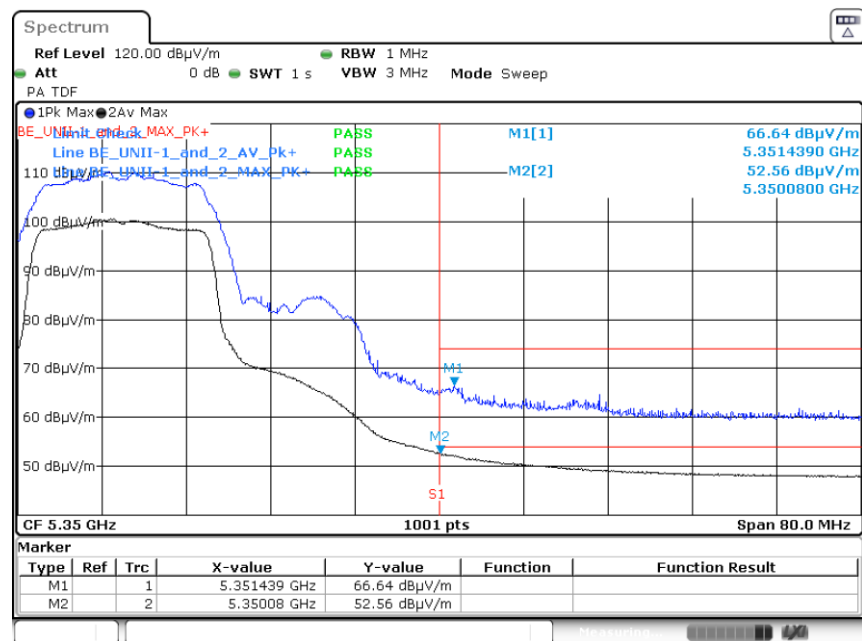


T5IW11 Transmitting on 5300 MHz (Power Level 20):



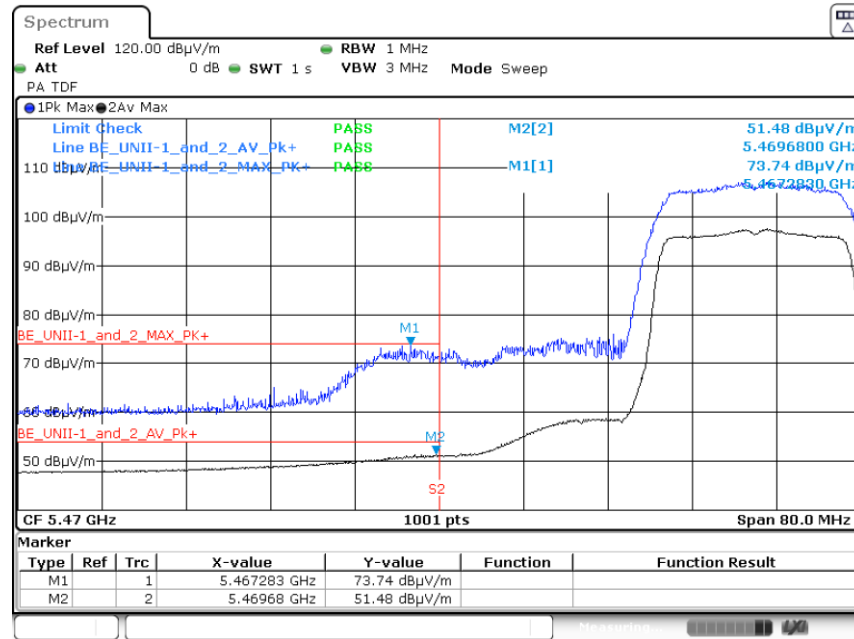
Date: 4.MAR.2025 15:58:39

T5IW11 Transmitting on 5320 MHz (Power Level 17):



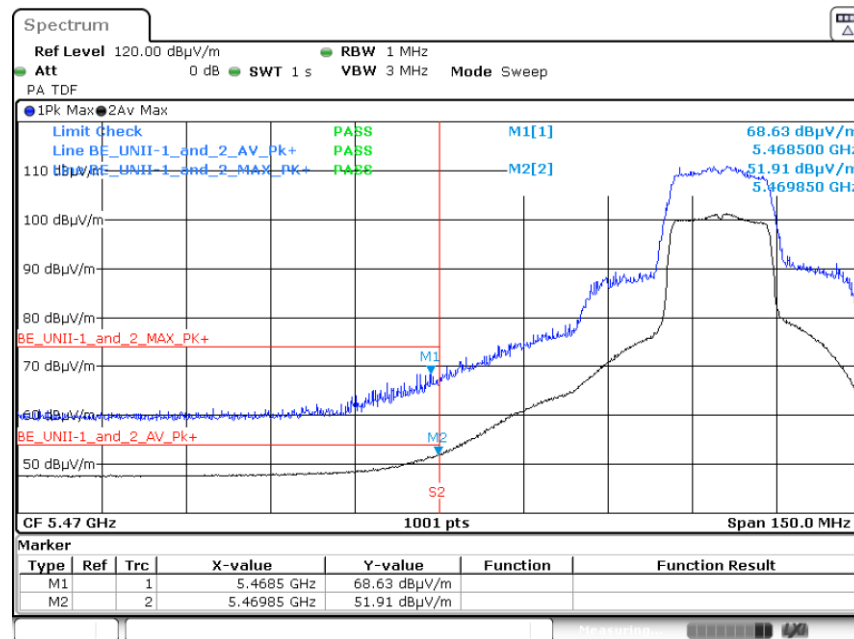
Date: 4.MAR.2025 15:42:38

T5IW11 Transmitting on 5500 MHz (Power Level 15):



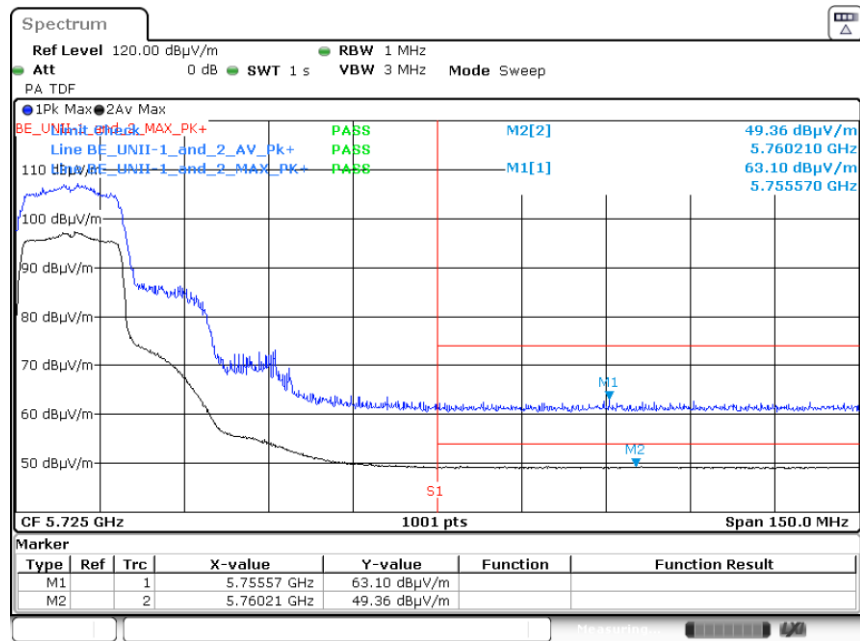
Date: 5.MAR.2025 12:25:30

T5IW11 Transmitting on 5520 MHz (Power Level 20):



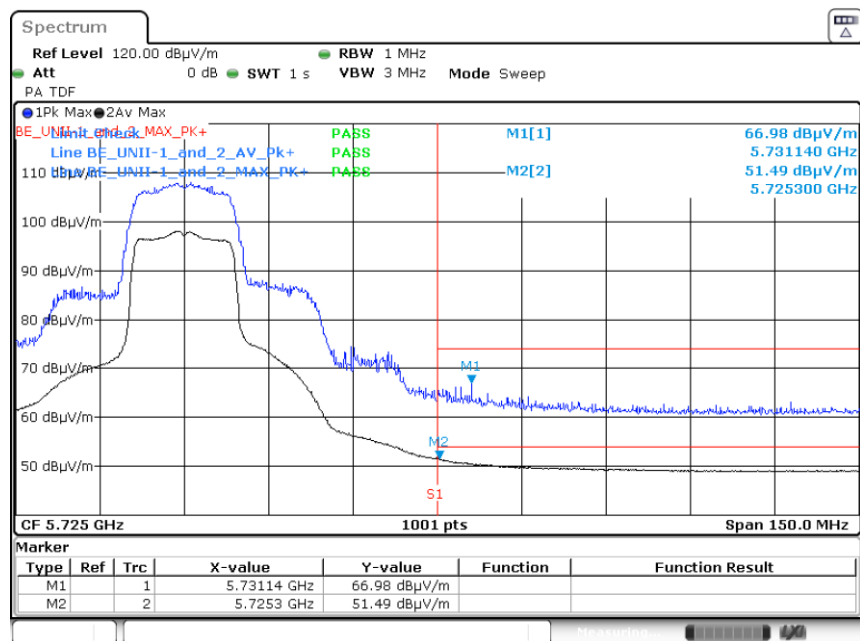
Date: 5.MAR.2025 12:16:58

T5IW11 Transmitting on 5560 MHz (Power Level 20):



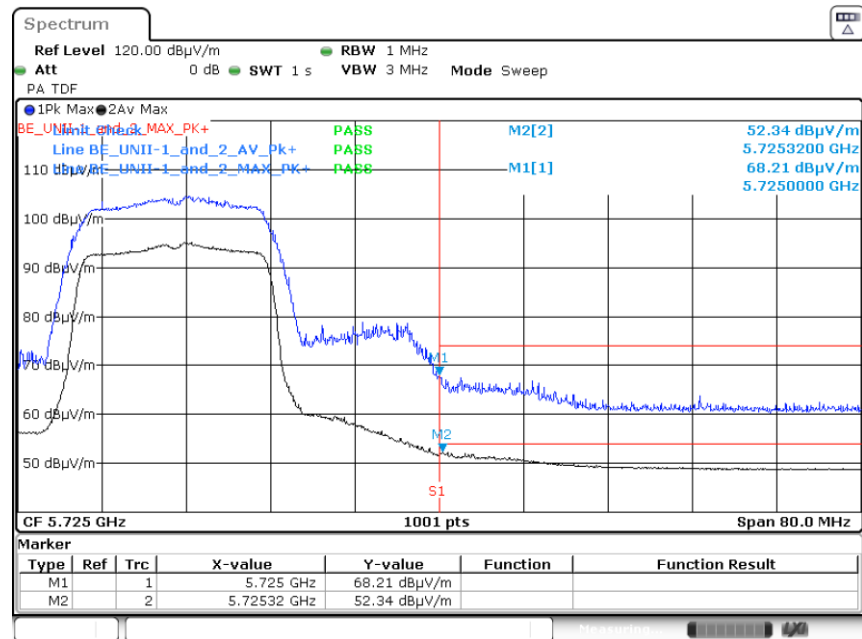
Date: 5.MAR.2025 08:55:19

T5IW11 Transmitting on 5680 MHz (Power Level 20):



Date: 5.MAR.2025 11:16:51

T5IW11 Transmitting on 5700 MHz (Power Level 16):



Date: 26.JUN.2025 10:32:52

Result

The EUT complied with the specification.

6.3.2.6 §15.407(h)(1) TPC (UNII 2)

Based upon the conducted output power measurements, EUT does not require a transmit power control mechanism to operate in the UNII-2 band in the configuration tested.

Result

In the configurations tested the EUT complied with the requirements of the specification.

6.3.2.7 §15.407(h)(2) DFS (UNII 2)

EUT is a Client device and does not contain In-Service Monitoring. EUT was tested on Channel 100 (5500 MHz) with a Netgear R7000 Router (FCC ID #PY313200233) as the Master Device.

Radar Detection (UNII 2)

EUT does not operate as a Master device in the UNII-2 Band and cannot detect radar in the configurations tested.

Result

In the configurations tested the EUT complied with the requirements of the specification.

Master Device Channel Availability Check Time (UNII 2)

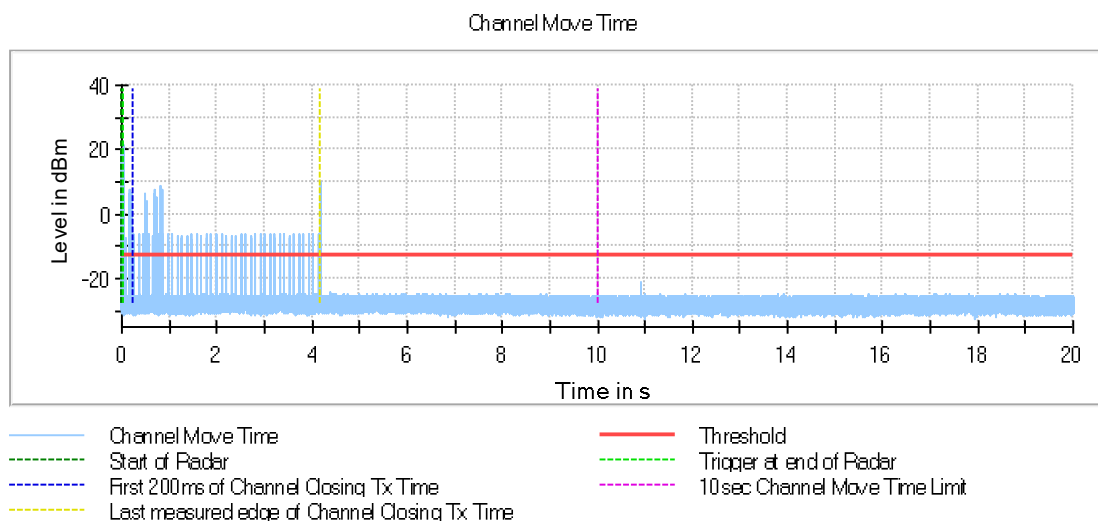
EUT does not operate as a master device in the UNII-2 Band and cannot detect radar in the configurations tested.

Result

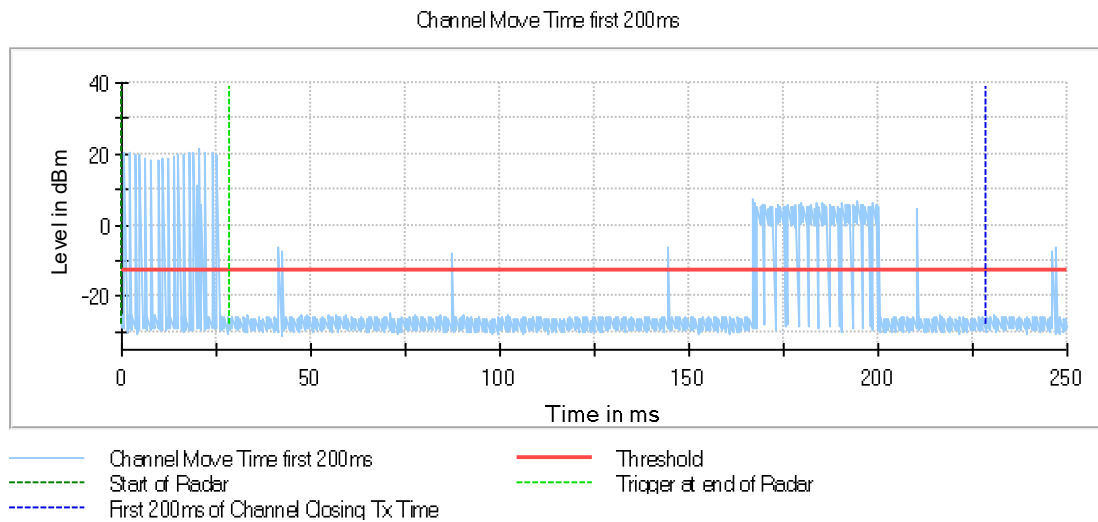
In the configurations tested the EUT complied with the requirements of the specification.

Channel Closing Transmission Time and Channel Move Time (UNII 2)

Upon receiving a clear channel command from a Master device, EUT cleared transmissions within 10 seconds.



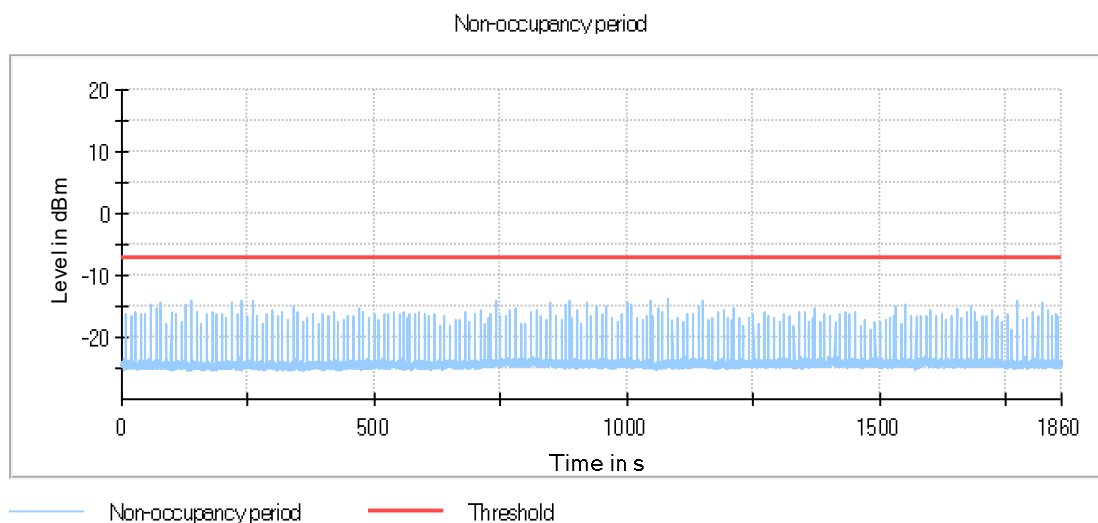
Graph 4: EUT 5500 MHz Channel Close Time and Channel Move Time



Graph 5: EUT 5500 MHz First 200 ms (Channel Closing Tx Time)

Channel Non-Occupancy Period (UNII 2)

Upon receiving Clear Channel command, EUT did not transmit in that channel for 30 minutes.



Graph 6: EUT 5500 MHz Non-Occupancy Period of 30 minutes.

Result

In the configurations tested the EUT complied with the requirements of the specification.

6.3.3 802.11n-40 Mode

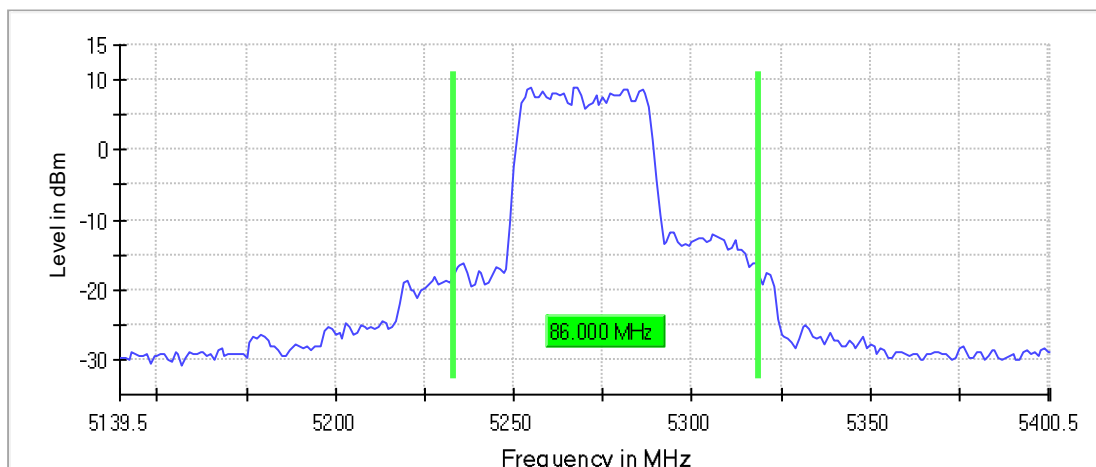
6.3.3.1 §15.403 26dB Bandwidth (UNII 2)

Bandwidths were measured at the intended power set level per channel.

Frequency (MHz)	Emissions 26 dB Bandwidth (MHz)
5270	86.0
5310	42.0
5510	42.6
5550	83.9
5590	102.9
5630	96.0
5670	73.5

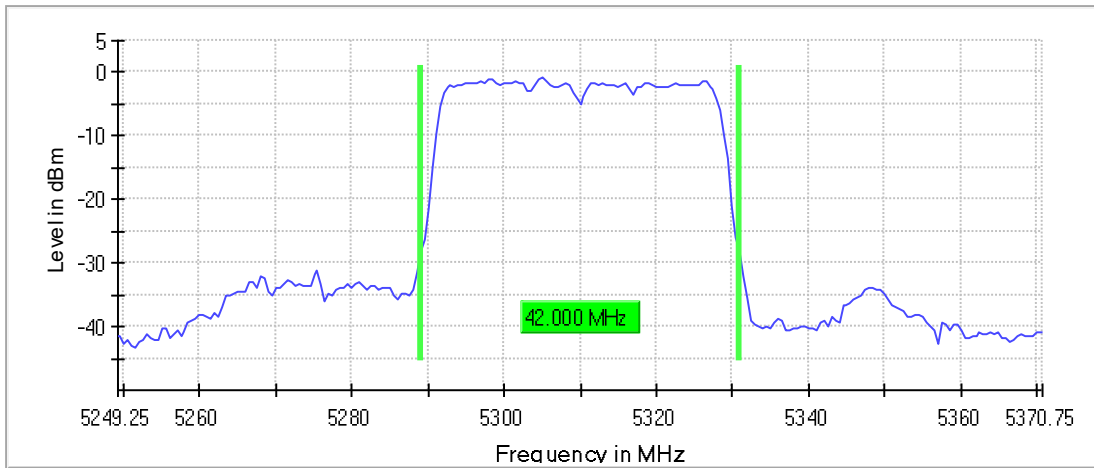
Table 17: 26 dB Emissions Bandwidth

26 dB Bandwidth



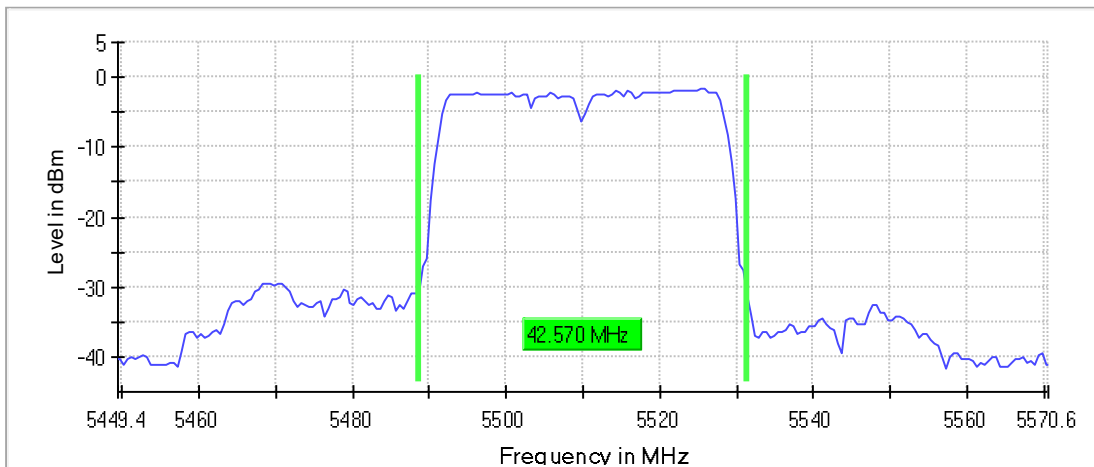
Graph 121: 26 dB Emissions Bandwidth Transmitting at 5270 MHz

26 dB Bandwidth



Graph 122: 26 dB Emissions Bandwidth Transmitting at 5310 MHz

26 dB Bandwidth



Graph 123: 26 dB Emissions Bandwidth Transmitting at 5510 MHz