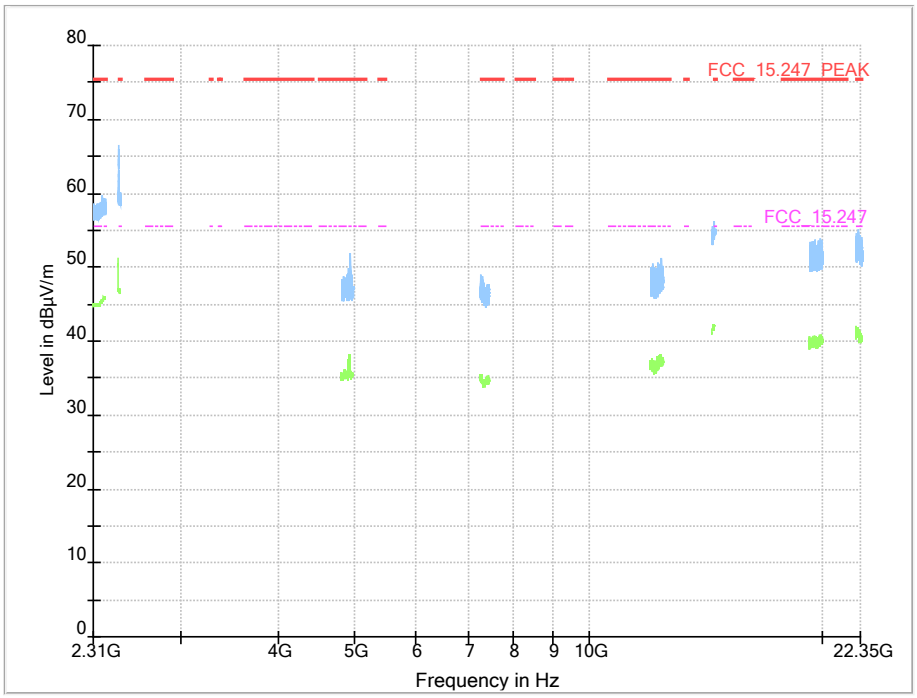
Radio Technology = WLAN g (6 Mbit) DIVERSITY, Operating Frequency = high,
Measurement range = 1 GHz - 26 GHz
(S02_AJ01)

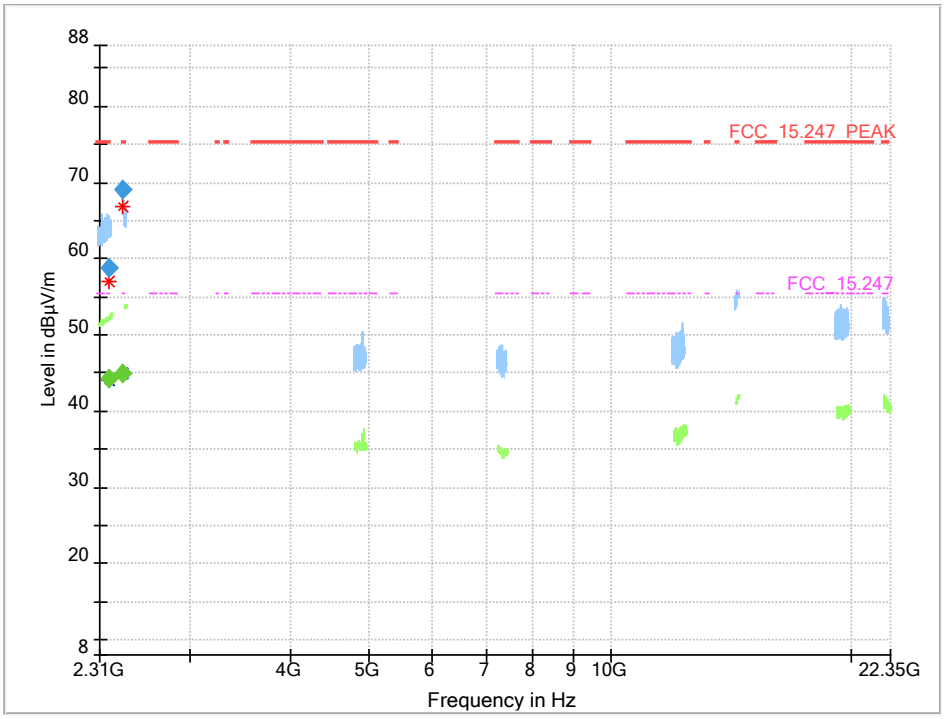


Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---		---	---	---

Remark: Values at the upper band edge, please see chapter 5.7.3

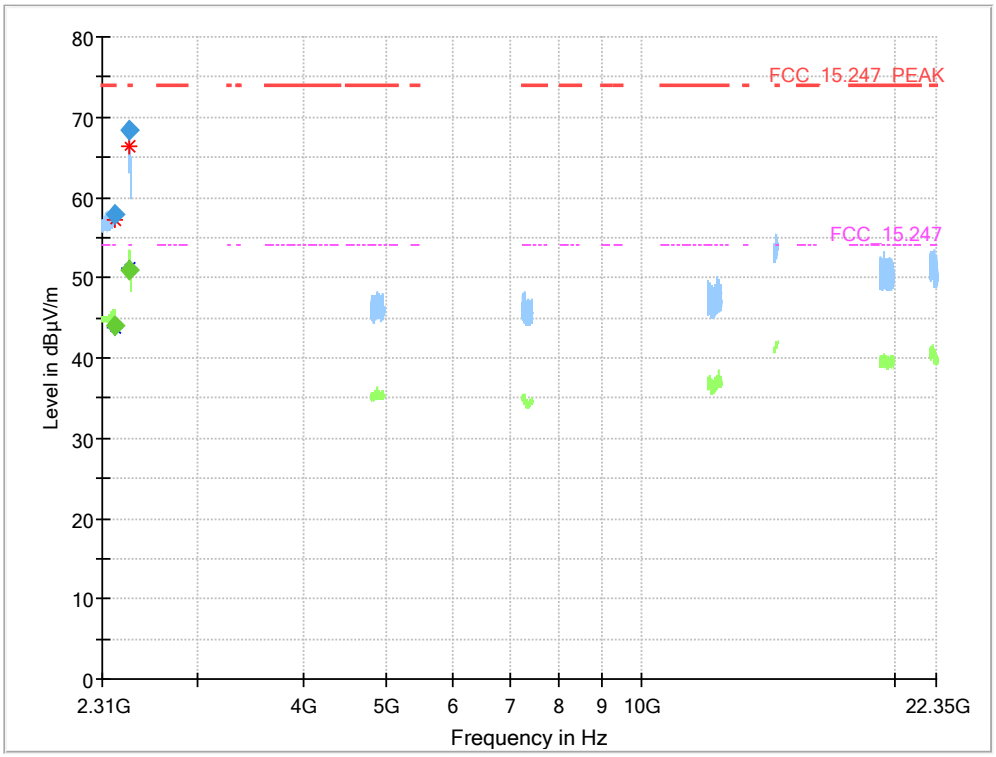
Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high,
Measurement range = 1 GHz - 26 GHz
(S02_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2389.200	57.4	---	74.00	16.61	1000.0	1000.000	150.0	H	-7.0	15.0	44.6
2389.467	---	42.8	54.00	11.23	1000.0	1000.000	150.0	H	4.0	15.0	44.6
2484.078	67.6	---	74.00	6.41	1000.0	1000.000	150.0	V	3.0	92.0	45.1
2487.378	---	43.6	54.00	10.39	1000.0	1000.000	150.0	H	11.0	10.0	45.1

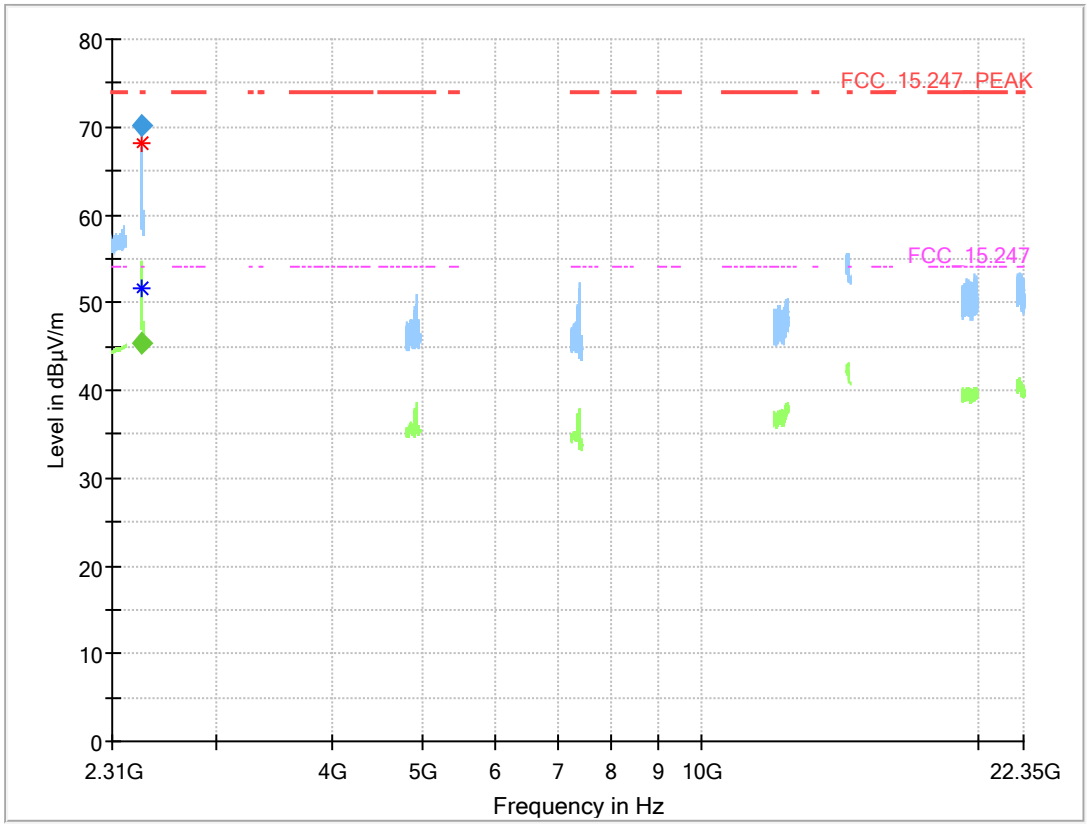
Radio Technology = WLAN n 40 MHz MIMO, Operating Frequency = high,
Measurement range = 1 GHz - 26 GHz
(S02_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2387.333	57.8	---	74.00	16.21	1000.0	1000.000	150.0	H	4.0	105.0	44.6
2389.467	---	43.9	54.00	10.07	1000.0	1000.000	150.0	V	11.0	84.0	44.6
2483.500	---	51.0	54.00	2.97	1000.0	1000.000	150.0	V	2.0	87.0	45.1
2483.500	68.4	---	74.00	5.65	1000.0	1000.000	150.0	H	8.0	82.0	45.1

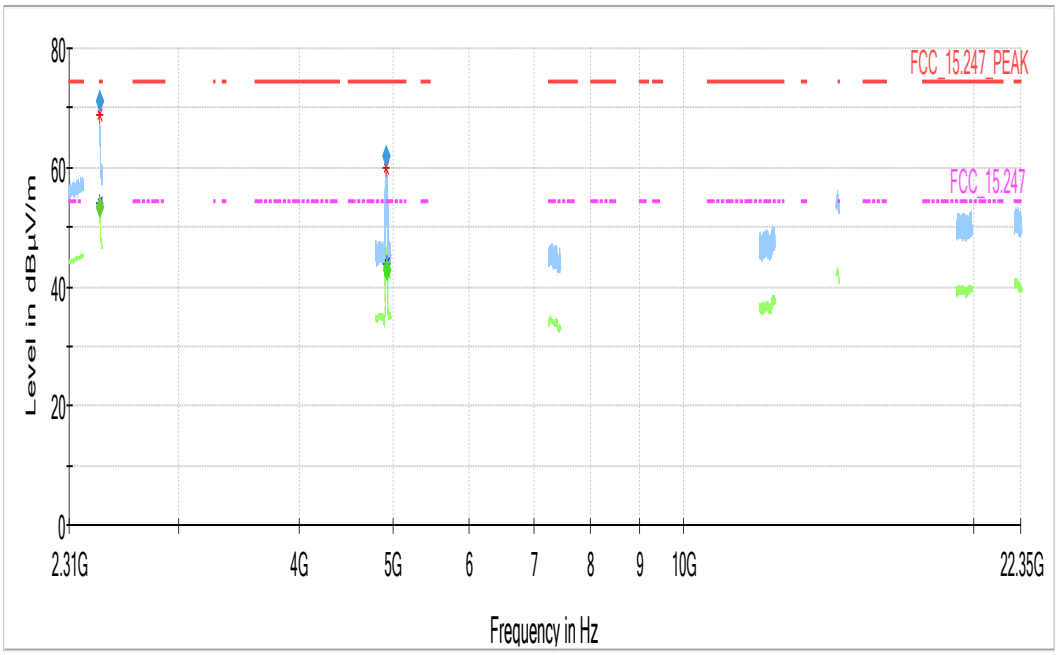
Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high,
Measurement range = 1 GHz - 26 GHz
(S04_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.995	---	45.3	54.00	8.74	1000.0	1000.000	150.0	H	37.0	84.0	45.0
2483.995	70.2	---	74.00	3.77	1000.0	1000.000	150.0	H	38.0	88.0	45.0

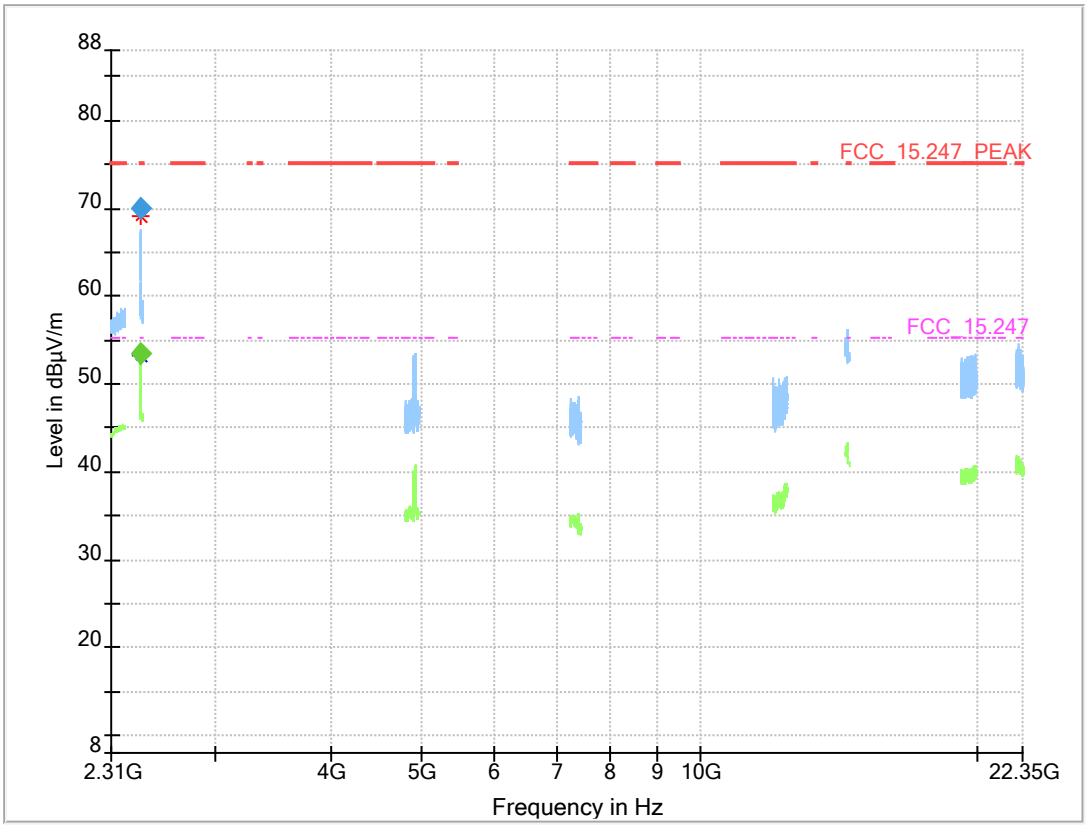
Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high,
Measurement range = 1 GHz - 26 GHz
(S03_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.7	54.00	1.39	1000.0	1000.000	150.0	H	8.0	86.0	45.0
2483.500	70.7	---	74.00	3.34	1000.0	1000.000	150.0	H	3.0	92.0	45.0
4916.775	61.6	---	74.00	12.43	1000.0	1000.000	150.0	H	-2.0	88.0	5.0
4926.377	---	42.6	54.00	11.40	1000.0	1000.000	150.0	H	-3.0	84.0	5.3

Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high,
Measurement range = 1 GHz - 26 GHz
(S02_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.2	54.00	1.76	1000.0	1000.000	150.0	H	7.0	84.0	45.0
2483.748	68.7	---	74.00	5.30	1000.0	1000.000	150.0	H	4.0	87.0	45.0

5.5.5 TEST EQUIPMENT USED

- Radiated Emissions

5.6 BAND EDGE COMPLIANCE CONDUCTED

Standard **FCC Part 15 Subpart C**

The test was performed according to:
ANSI C63.10

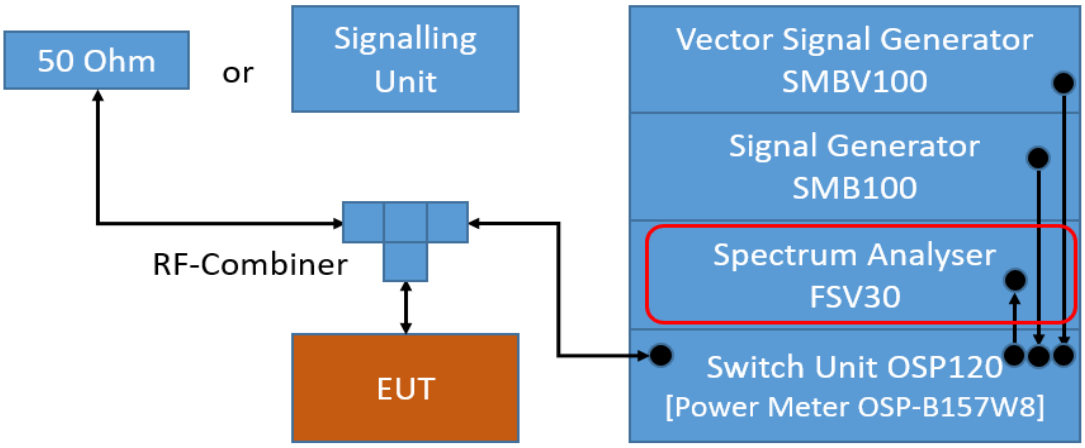
5.6.1 TEST DESCRIPTION

For the conducted measurement, the Equipment Under Test (EUT) is placed in a shielded room. The reference power was measured in the test case "Spurious RF Conducted Emissions".

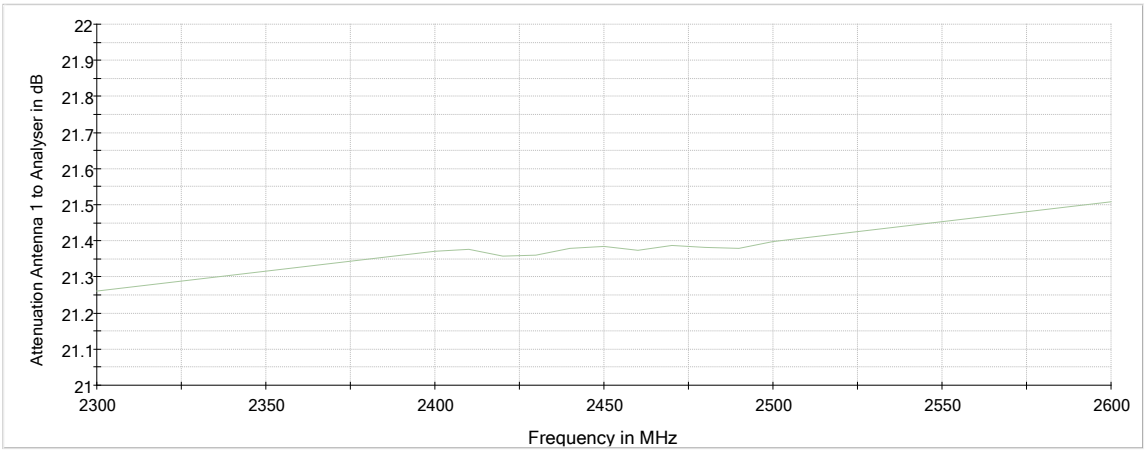
The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

Analyser settings:

- Lower Band Edge:
  Measured range: 2310.0 MHz to 2483.5 MHz
  Upper Band Edge
  Measured range: 2400.0 MHz to 2500 MHz
- Detector: Peak
- Resolution Bandwidth (RBW): 100 kHz
- Video Bandwidth (VBW): 300 kHz
- Sweeptime: Auto
- Sweeps: Till stable (min. 300, max. 15000)
- Trace: Maxhold



TS8997; Band Edge Conducted



Attenuation of the measurement path

5.6.2 TEST REQUIREMENTS / LIMITS

FCC Part 15.247 (d)
"In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. ...
If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c))."

For the conducted measurement the RF power at the band edge shall be "at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power..."

5.6.3 TEST PROTOCOL

Ambient temperature: 26 °C
Air Pressure: 1001 hPa
Humidity: 51 %

WLAN g-Mode; 20 MHz; 1 Mbit/s

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-45.3	PEAK	100	5.0	-25.0	20.3
11	2462	2483.5	-47.7	PEAK	100	3.0	-27.0	20.7

WLAN g-Mode; 20 MHz; 6 Mbit/s

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-29.8	PEAK	100	5.3	-24.7	5.1
11	2462	2483.5	-44.0	PEAK	100	5.3	-24.7	19.3

WLAN n-Mode; 20 MHz; MCS0

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-28.2	PEAK	100	4.6	-25.4	2.8
11	2462	2483.5	-43.7	PEAK	100	5.1	-24.9	18.8

WLAN n-Mode; 40 MHz; MCS0

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
3	2422	2400.0	-33.7	PEAK	100	0.4	-29.6	4.1
9	2452	2483.5	-42.4	PEAK	100	0.2	-29.8	12.6

WLAN ax-Mode; 20 MHz; MCS0

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-28.7	PEAK	100	5.6	-24.4	4.3
11	2462	2483.5	-57.7	PEAK	100	5.5	-24.5	33.2

WLAN ax-Mode; 40 MHz; MCS0

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
3	2422	2400.0		PEAK	100	0.5-32.7	-29.5	3.2
9	2452	2483.5	-41.1	PEAK	100	0.5	-29.5	11.6

WLAN g-Mode; 20 MHz; 1 Mbit/s; DIVERSITY

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-42.5	PEAK	100	6.8	-23.2	19.3
11	2462	2483.5	-43.4	PEAK	100	8.1	-21.9	21.5

WLAN g-Mode; 20 MHz; 6 Mbit/s, DIVERSITY

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-42.0	PEAK	100	8.7	-21.3	20.7
11	2462	2483.5	-37.0	PEAK	100	8.2	-21.8	15.2

WLAN n-Mode; 20 MHz; MCS0; MIMO

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-25.7	PEAK	100	8.6	-21.4	4.3
11	2462	2483.5	-36.2	PEAK	100	8.4	-21.6	14.6

WLAN n-Mode; 40 MHz; MCS0; MIMO

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
3	2422	2400.0	-30.7	PEAK	100	3.6	-26.4	4.3
9	2452	2483.5	-38.5	PEAK	100	3.6	-26.4	12.1

WLAN ax-Mode; 20 MHz; MCS0; MIMO

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
1	2412	2400.0	-24.0	PEAK	100	9.0	-21.0	3.0
11	2462	2483.5	-41.0	PEAK	100	9.0	-21.0	20.0

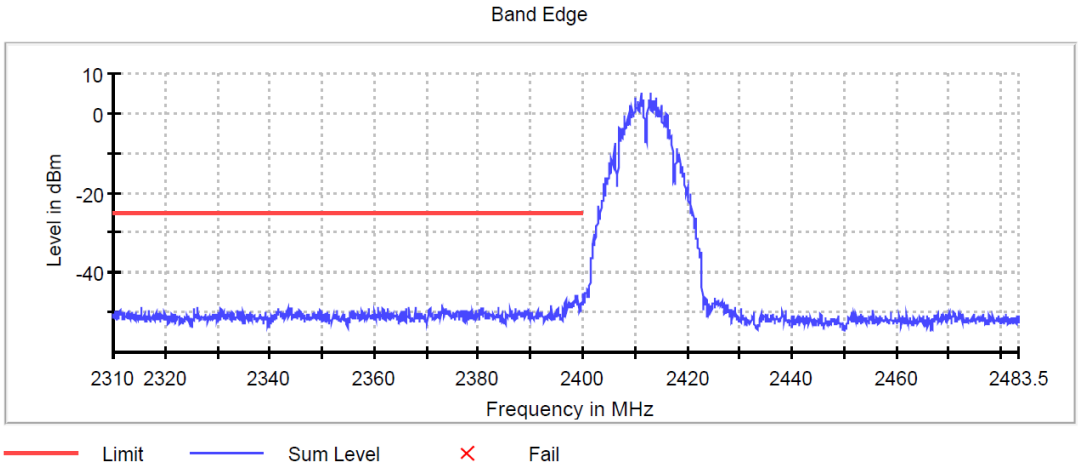
WLAN ax-Mode; 40 MHz; MCS0; MIMO

Channel No.	Channel Center Frequency [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBm]	Detector	RBW [kHz]	Ref. Level [dBm]	Limit [dBm]	Margin to Limit [dB]
3	2422	2400.0	-29.9	PEAK	100	4.0	-26.0	3.9
9	2452	2483.5	-38.2	PEAK	100	3.8	-26.2	12.0

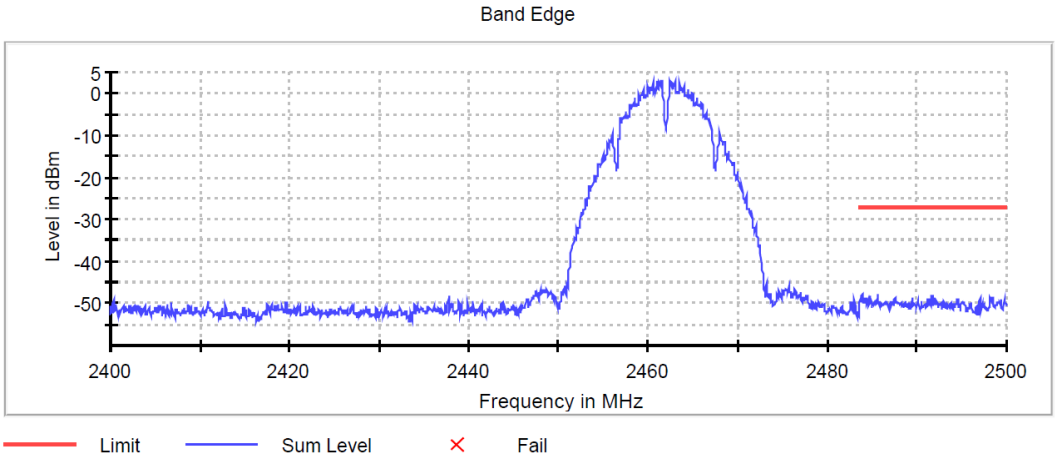
Remark: Please see next sub-clause for the measurement plot.

5.6.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

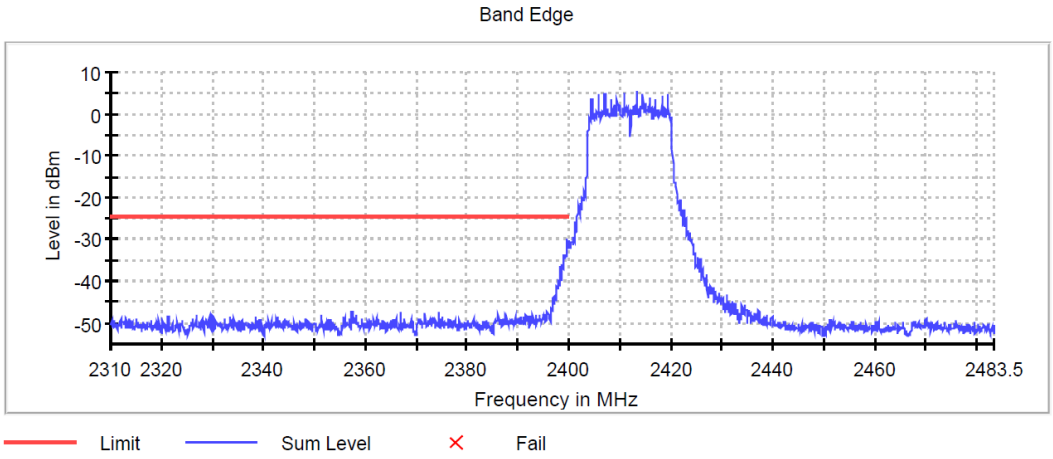
Radio Technology = WLAN g (1 Mbit), Operating Frequency = low, Band Edge = low (S01_AH01)



Radio Technology = WLAN g (1 Mbit), Operating Frequency = high, Band Edge = high (S01_AH01)

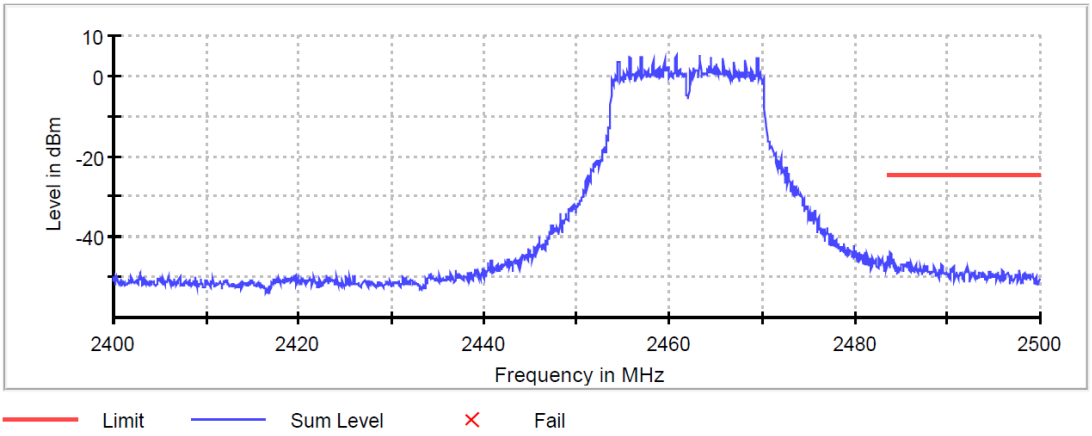


Radio Technology = WLAN g (6 Mbit), Operating Frequency = low, Band Edge = low (S01_AH01)



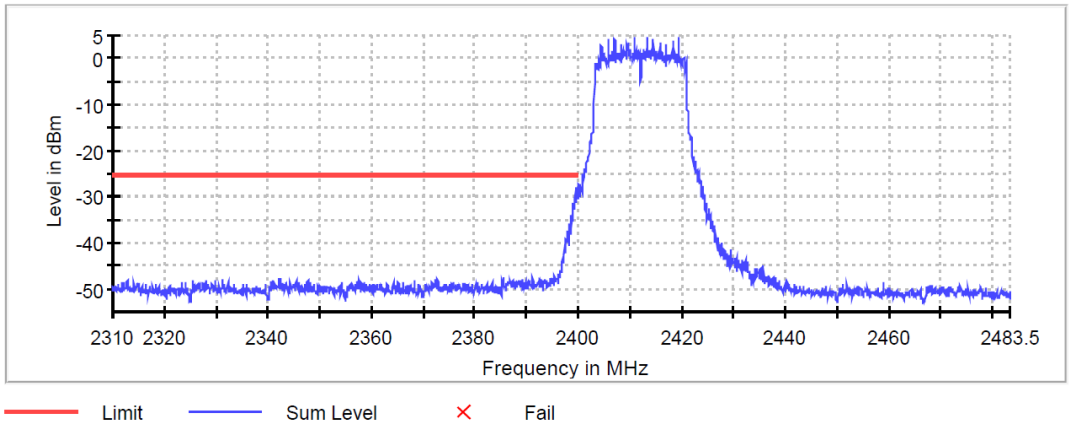
Radio Technology = WLAN g (6 Mbit), Operating Frequency = high, Band Edge = high (S01_AH01)

Band Edge



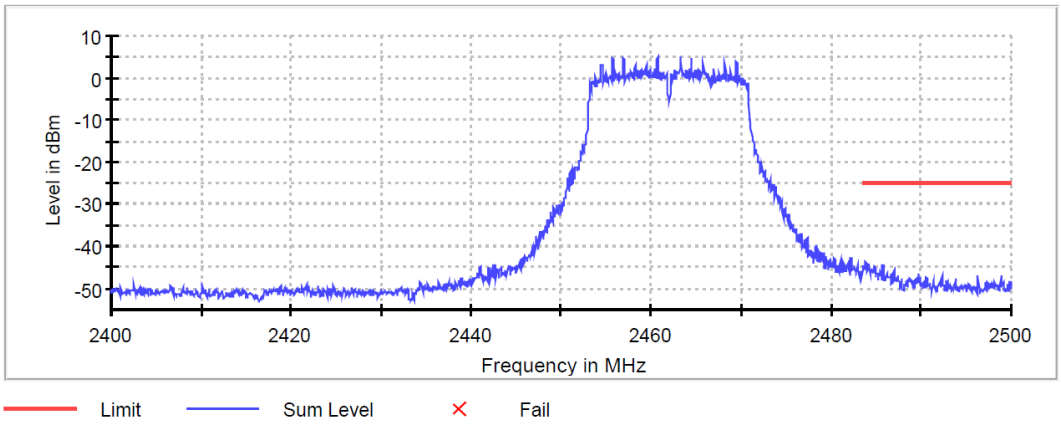
Radio Technology = WLAN n 20 MHz, Operating Frequency = low, Band Edge = low (S01_AH01)

Band Edge



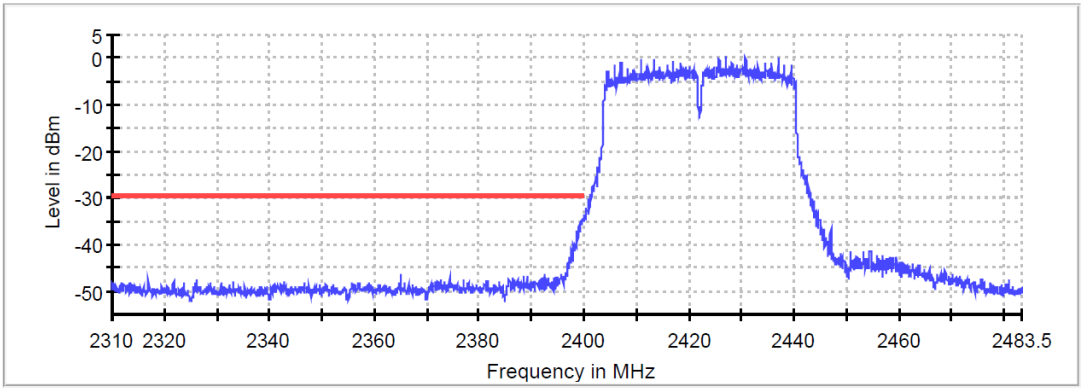
Radio Technology = WLAN n 20 MHz, Operating Frequency = high, Band Edge = high (S01_AH01)

Band Edge



Radio Technology = WLAN n 40 MHz, Operating Frequency = low, Band Edge = low
(S01_AH01)

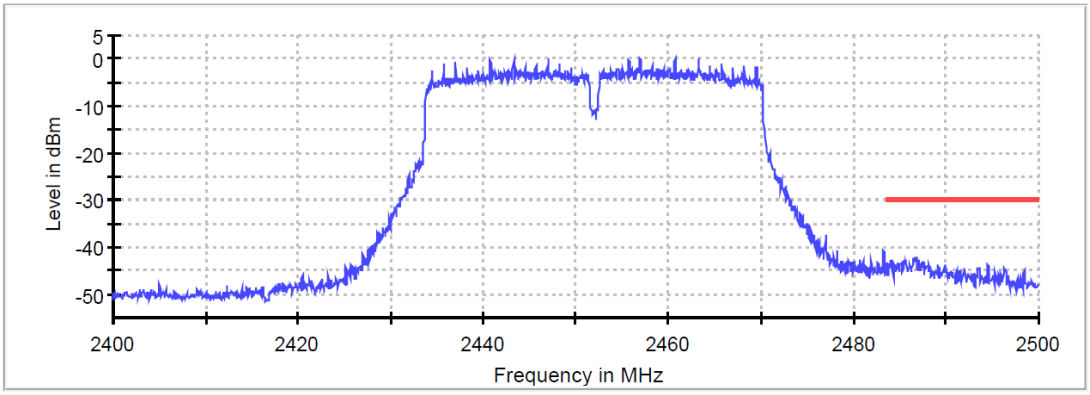
Band Edge



Limit Sum Level Fail

Radio Technology = WLAN n 40 MHz, Operating Frequency = high, Band Edge = high
(S01_AH01)

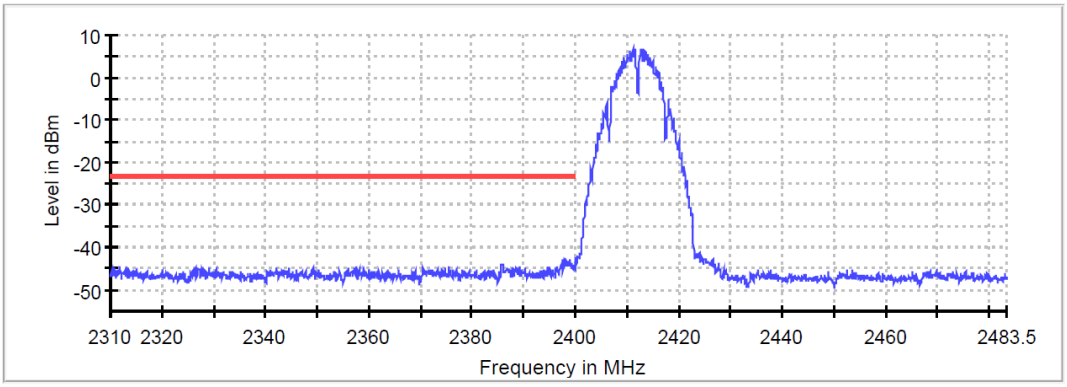
Band Edge



Limit Sum Level Fail

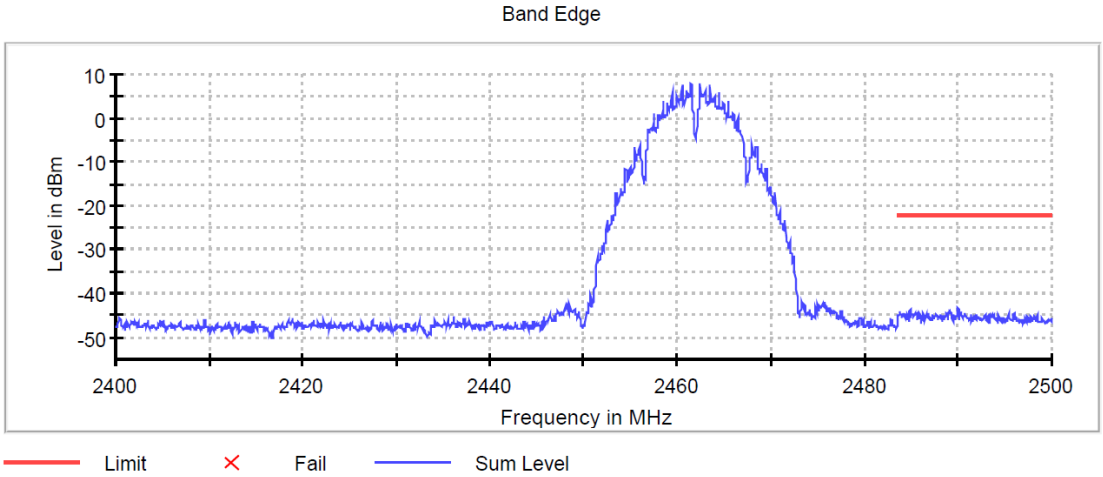
Radio Technology = WLAN g (1 Mbit) DIVERSITY, Operating Frequency = low,
Band Edge = low
(S01_AH01)

Band Edge

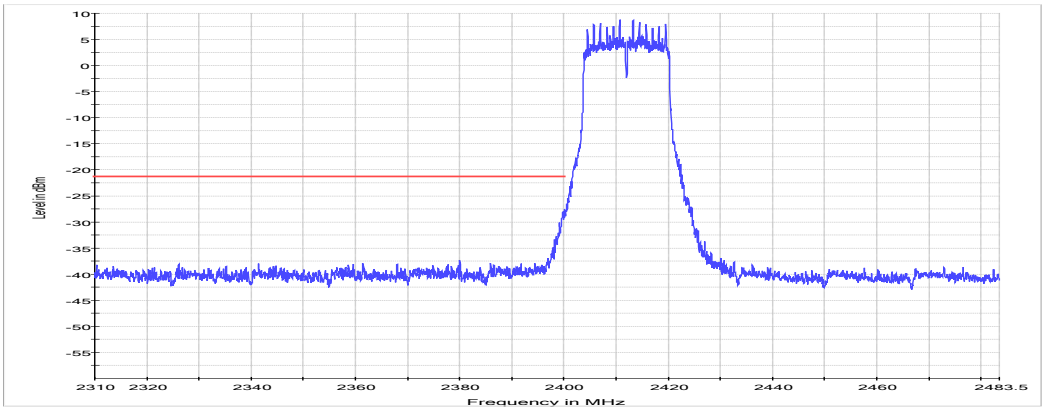


Limit Fail Sum Level

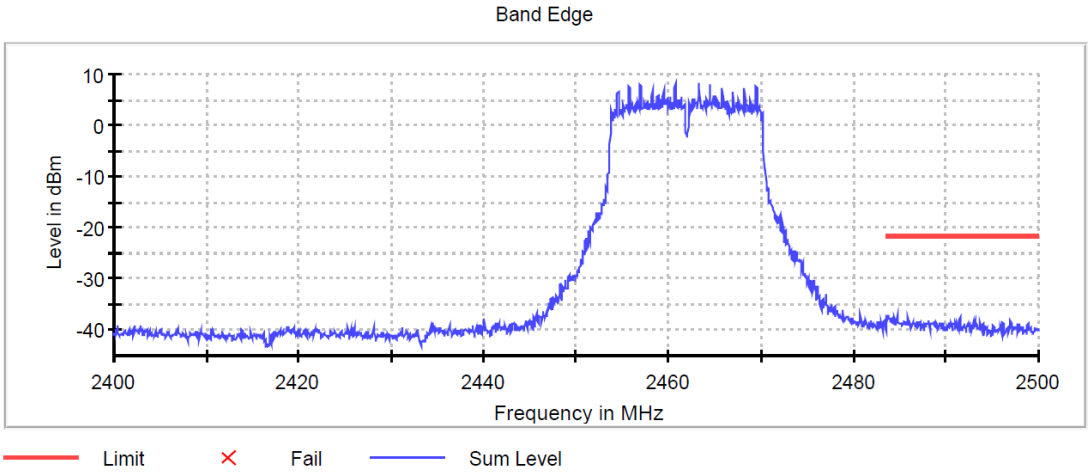
Radio Technology = WLAN g (1 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S01_AH01)



Radio Technology = WLAN g (6 Mbit) DIVERSITY, Operating Frequency = low, Band Edge = low
(S01_AH01)

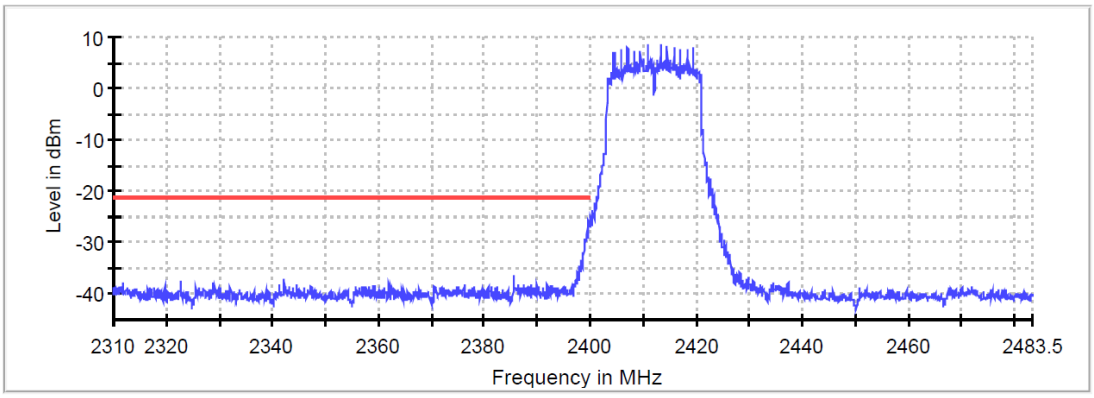


Radio Technology = WLAN g (6 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high



Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = low, Band Edge = low (S01_AH01)

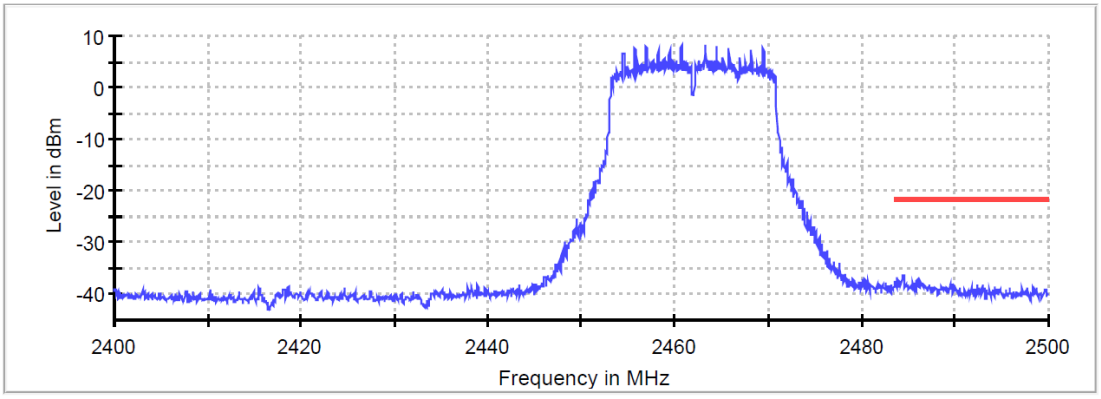
Band Edge



Limit ✕ Fail Sum Level

Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high, Band Edge = high

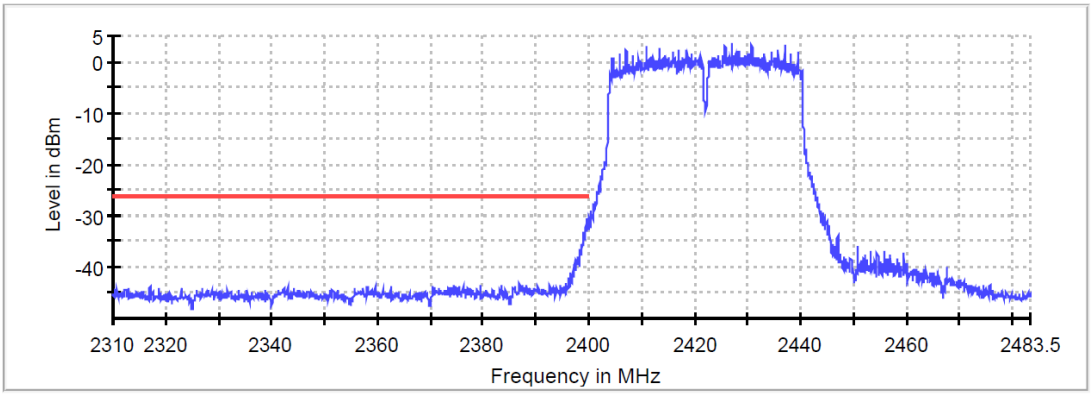
Band Edge



Limit ✕ Fail Sum Level

Radio Technology = WLAN n 40 MHz MIMO, Operating Frequency = low, Band Edge = low (S01_AH01)

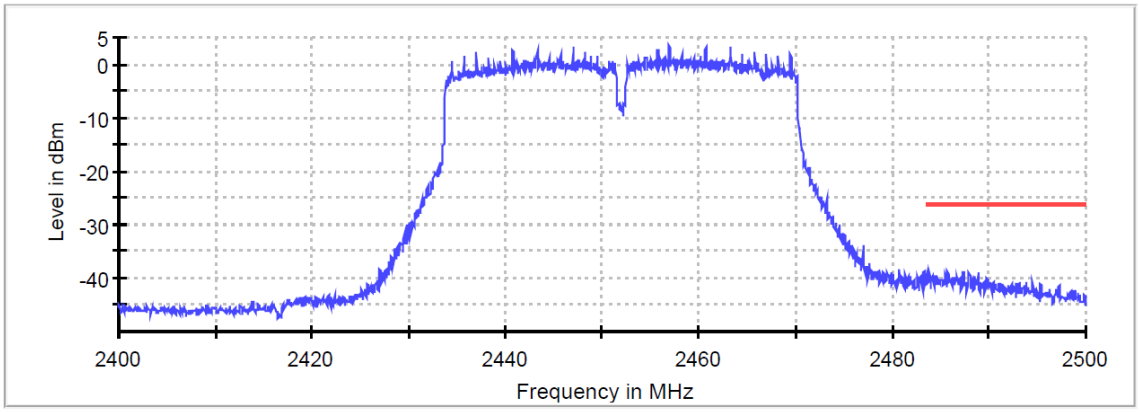
Band Edge



Limit ✕ Fail Sum Level

Radio Technology = WLAN n 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S01_AH01)

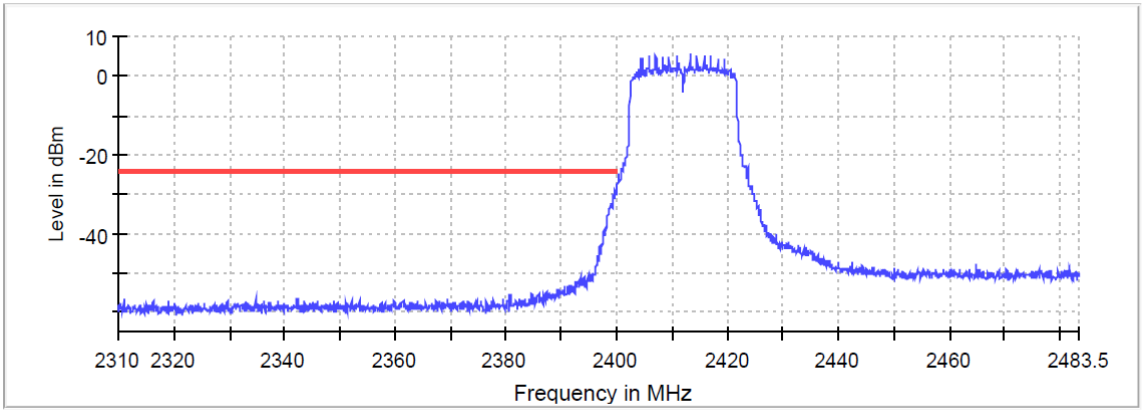
Band Edge



Limit Fail Sum Level

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Band Edge = low (S01_AH02)

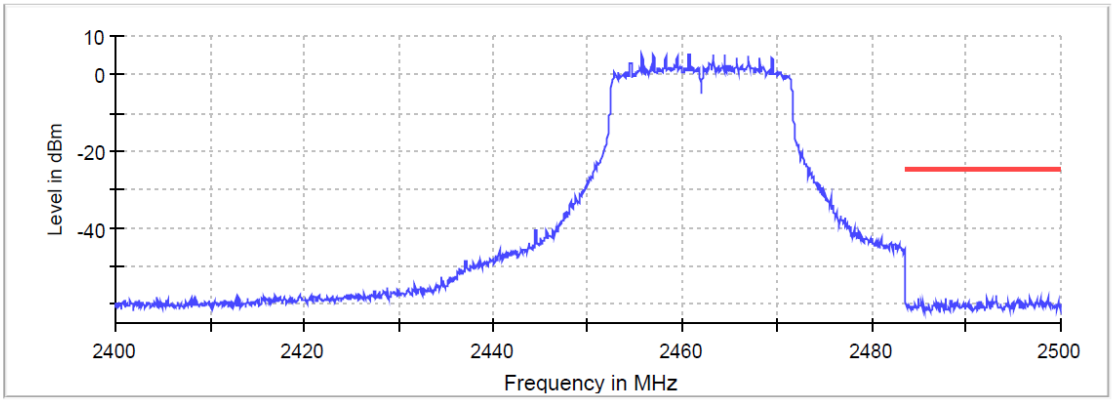
Band Edge



Limit Sum Level Fail

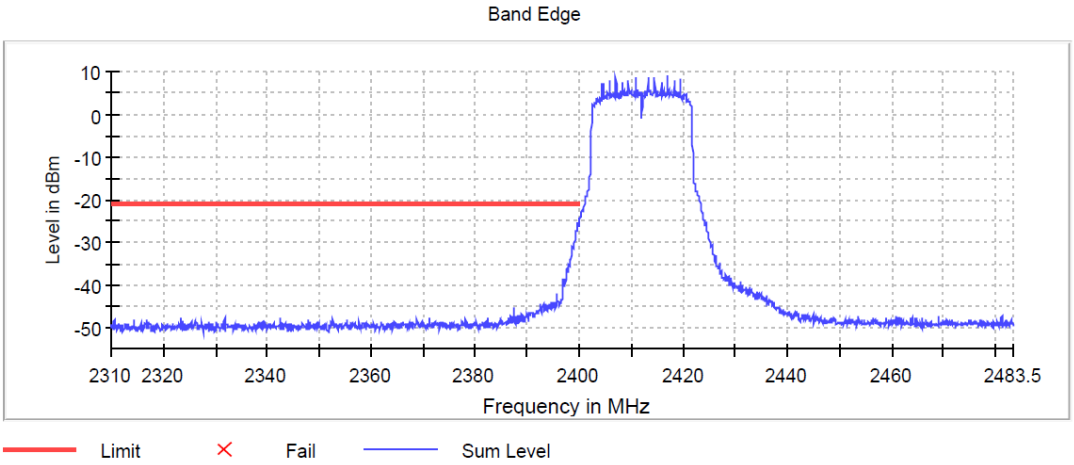
Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Band Edge = high (S01_AH02)

Band Edge

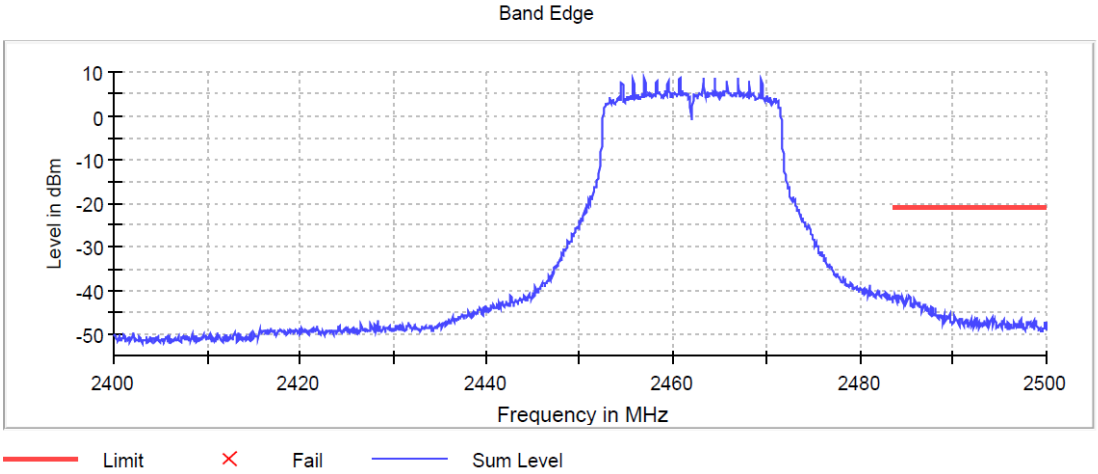


Limit Sum Level Fail

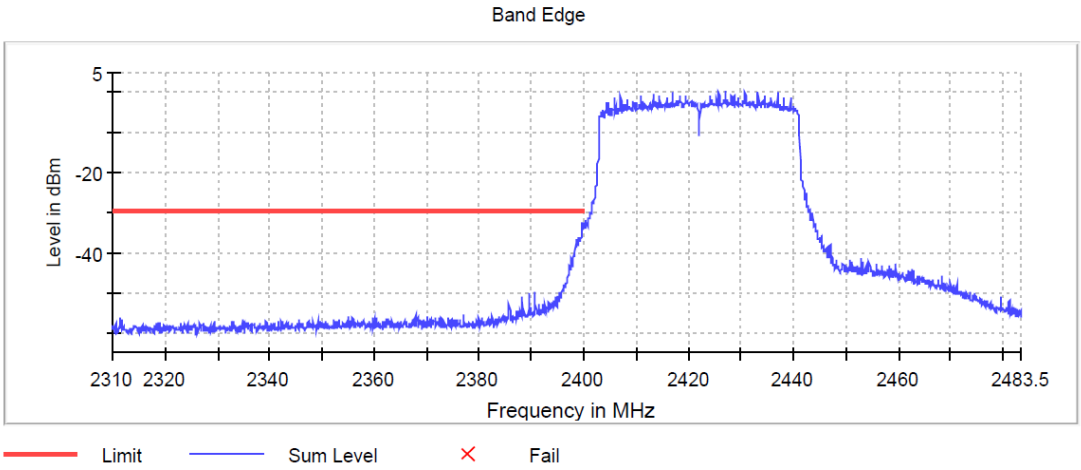
Radio Technology = WLAN ax 20 MHz MIMO, Operating Frequency = low, Band Edge = low (S01_AH02)



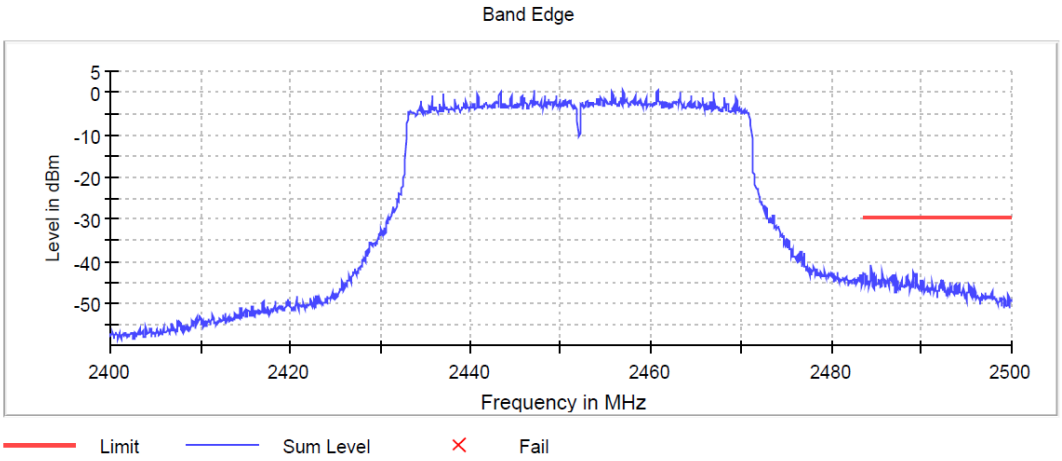
Radio Technology = WLAN ax 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S01_AH02)



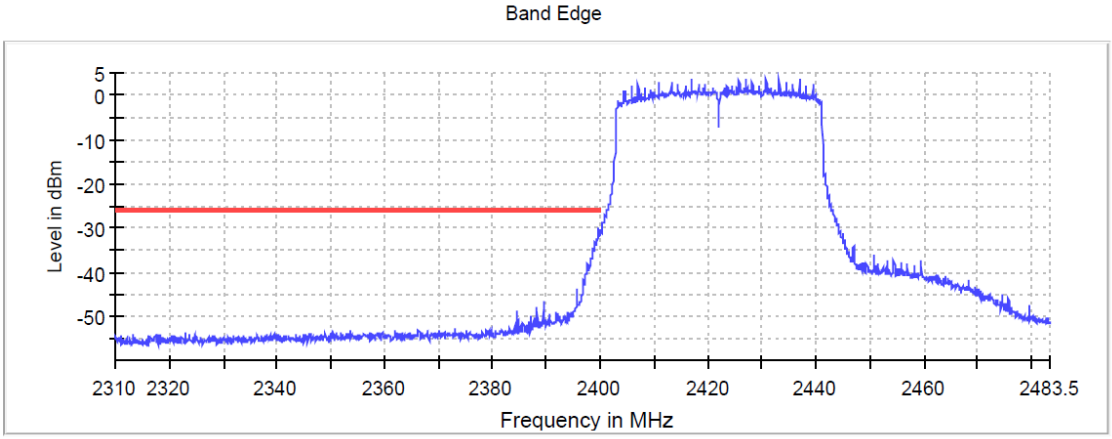
Radio Technology = WLAN ax 40 MHz, Operating Frequency = low, Band Edge = low (S01_AH02)



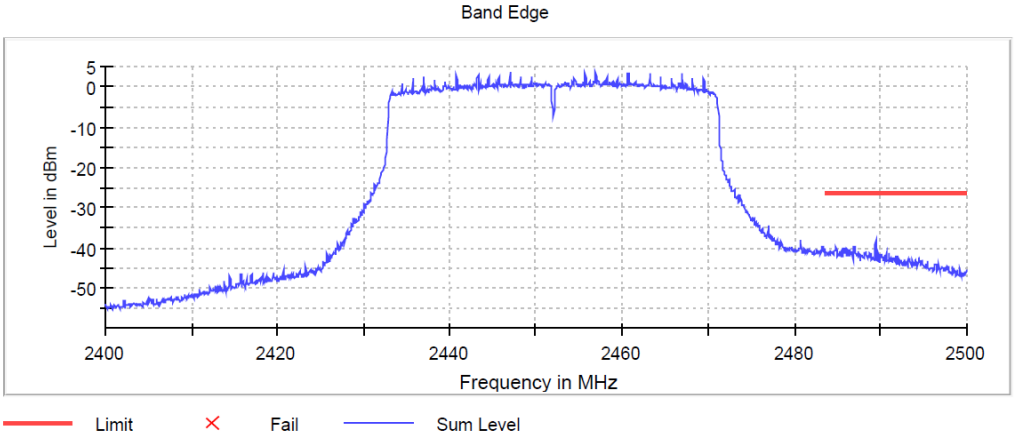
Radio Technology = WLAN ax 40 MHz, Operating Frequency = high, Band Edge = high (S01_AH02)



Radio Technology = WLAN ax 40 MHz MIMO, Operating Frequency = low, Band Edge = low (S01_AH02)



Radio Technology = WLAN ax 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S01_AH02)



5.6.5 TEST EQUIPMENT USED

- R&S TS8997

5.7 BAND EDGE COMPLIANCE RADIATED

Standard **FCC Part 15 Subpart C**

The test was performed according to:
ANSI C63.10

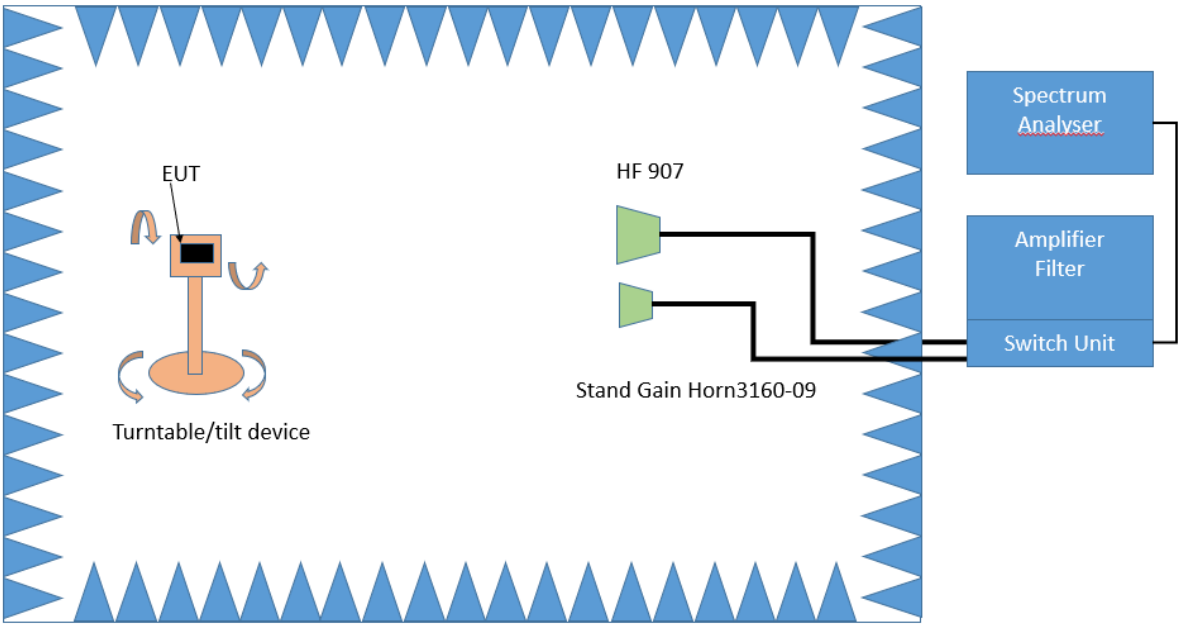
5.7.1 TEST DESCRIPTION

The test set-up was made in accordance to the general provisions of ANSI C63.10 in a typical installation configuration. The measurements were performed according the following sub-chapter of ANSI C63.10:

- Chapter 6.10.5

The Equipment Under Test (EUT) was set up on a non-conductive support (tilt device) at 1.5 m height in the fully-anechoic chamber.
All steps were performed with one height (1.5 m) of the receiving antenna only (procedure according ANSI C63.10, chapter 6.6.5.

3. Measurement above 1 GHz



Test Setup; Spurious Emission Radiated (FAC), 1 GHz-26.5 GHz

Step 1:
The EUT is turned during the preliminary measurement across the elevation axis, with a step size of 90 °.
The turn table step size (azimuth angle) for the preliminary measurement is 45 °.
Spectrum analyser settings:
- Detector: Peak, Average
- RBW = 1 MHz
- VBW = 3 MHz

Step 2:
The turn table azimuth will slowly vary by ± 22.5°.
The elevation angle will slowly vary by ± 45°

Spectrum analyser settings:
- Detector: Peak

Step 3:

Spectrum analyser settings for step 3:
- Detector: Peak / CISPR Average
- Measured frequencies: in step 1 determined frequencies
- RBW = 1 MHz
- VBW = 3 MHz
- Measuring time: 1 s

5.7.2 TEST REQUIREMENTS / LIMITS

For band edges connected to a restricted band, the limits are specified in Section 15.209(a)

FCC Part 15, Subpart C, §15.209, Radiated Emission Limits

Frequency in MHz	Limit (µV/m)	Measurement distance (m)	Limits (dBµV/m)
0.009 – 0.49	2400/F(kHz)@300m	3	(48.5 – 13.8)@300m
0.49 – 1.705	24000/F(kHz)@30m	3	(33.8 – 23.0)@30m
1.705 – 30	30@30m	3	29.5@30m

The measured values are corrected with an inverse linear distance extrapolation factor (40 dB/decade) according FCC 15.31 (2).

Frequency in MHz	Limit (µV/m)	Measurement distance (m)	Limits (dBµV/m)
30 – 88	100@3m	3	40.0@3m
88 – 216	150@3m	3	43.5@3m
216 – 960	200@3m	3	46.0@3m
960 - 26000	500@3m	3	54.0@3m
26000 - 40000	500@3m	1	54.0@3m

The measured values above 26 GHz are corrected with an inverse linear distance extrapolation factor (20 dB/decade).

§15.35(b) ..., there is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit....

Used conversion factor: Limit (dBµV/m) = 20 log (Limit (µV/m)/1µV/m)

5.7.3 TEST PROTOCOL

Ambient temperature: 27 °C
Air Pressure: 1005 hPa
Humidity: 41 %

Setup S04_AJ01

WLAN g-Mode; 20 MHz; 1 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 2.8 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	64.3	PEAK	1000	74.0	9.7
11	2462	2483.5	53.6	AV	1000	54.0	0.4

WLAN g-Mode; 20 MHz; 6 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 0.8 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	64.7	PEAK	1000	74.0	9.3
11	2462	2483.5	51.2	AV	1000	54.0	2.8

WLAN n-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	67.3	PEAK	1000	74.0	6.7
11	2462	2483.5	50.1	AV	1000	54.0	3.9

WLAN n-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.3 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
9	2452	2483.5	71.0	PEAK	1000	74.0	3.0
9	2452	2483.5	51.3	AV	1000	54.0	2.7

WLAN ax-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	70.2	PEAK	1000	74.0	7.5
11	2462	2483.5	46.5	AV	1000	54.0	3.8

WLAN ax-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.3 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
9	2452	2483.5	68.9	PEAK	1000	74.0	5.1
9	2452	2483.5	54.0	AV	1000	54.0	0.0

Setup S03_AJ01
WLAN g-Mode; 20 MHz; 1 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 2.8 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	59.6	PEAK	1000	74.0	14.4
11	2462	2483.5	46.7	AV	1000	54.0	7.3

WLAN g-Mode; 20 MHz; 6 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 0.8 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	68.6	PEAK	1000	74.0	5.4
11	2462	2483.5	52.9	AV	1000	54.0	1.1

WLAN n-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	69.7	PEAK	1000	74.0	4.3
11	2462	2483.5	53.8	AV	1000	54.0	0.2

WLAN n-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
9	2452	2483.5	68.6	PEAK	1000	74.0	5.4
9	2452	2483.5	53.4	AV	1000	54.0	0.6

WLAN ax-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	70.7	PEAK	1000	74.0	3.3
11	2462	2483.5	53.9	AV	1000	54.0	0.1

WLAN ax-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.3 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
9	2452	2483.5	71.0	PEAK	1000	74.0	3.0
9	2452	2483.5	52.6	AV	1000	54.0	1.4

Setup S02_AJ01
WLAN g-Mode; 20 MHz; 1 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 2.8 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	66.4	PEAK	1000	74.0	7.6
11	2462	2483.5	50.8	AV	1000	54.0	3.2

WLAN g-Mode; 20 MHz; 6 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 0.8 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	66.1	PEAK	1000	74.0	7.9
11	2462	2483.5	50.6	AV	1000	54.0	3.4

WLAN n-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	67.4	PEAK	1000	74.0	6.6
11	2462	2483.5	44.8	AV	1000	54.0	9.2

WLAN n-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.3 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
9	2452	2483.5	68.4	PEAK	1000	74.0	5.6
9	2452	2483.5	52.3	AV	1000	54.0	1.7

WLAN ax-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
11	2462	2483.5	68.7	PEAK	1000	74.0	5.3
11	2462	2483.5	53.4	AV	1000	54.0	0.6

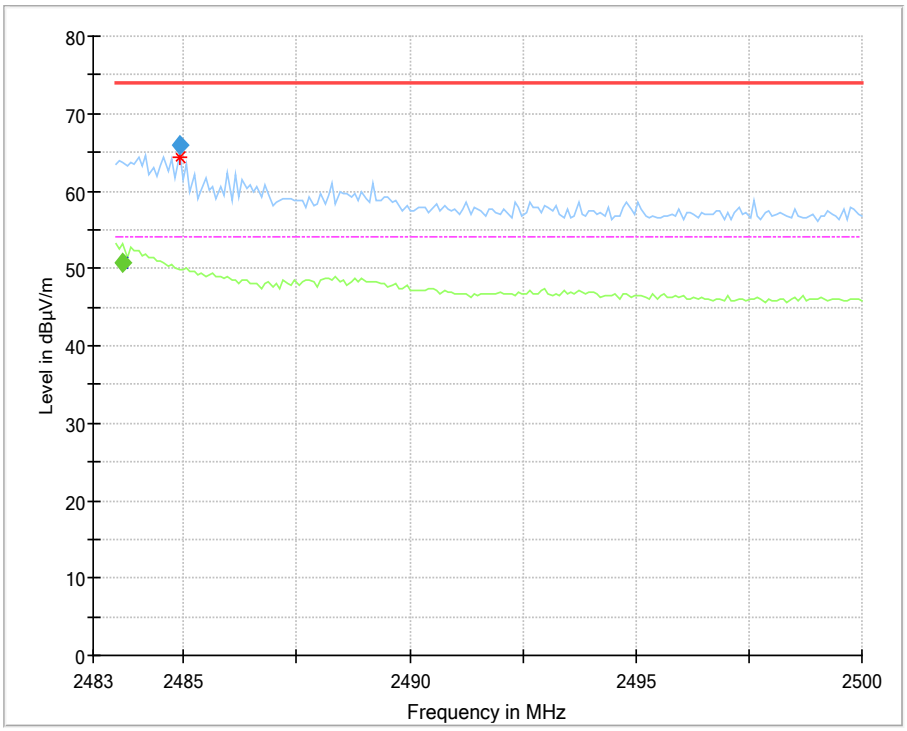
WLAN ax-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.3 dB

Ch. No.	Ch. Center Freq. [MHz]	Band Edge Freq. [MHz]	Spurious Level [dBµV/m]	Detec-tor	RBW [kHz]	Limit [dBµV/m]	Margin to Limit [dB]
9	2452	2483.5	68.9	PEAK	1000	74.0	5.1
9	2452	2483.5	52.9	AV	1000	54.0	1.1

Remark:
- The lower band is regarded in the "transmitter spurious radiated emissions" test because it is 10 MHz away from the lower band edge.
- Please see next sub-clause for the measurement plot.

5.7.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

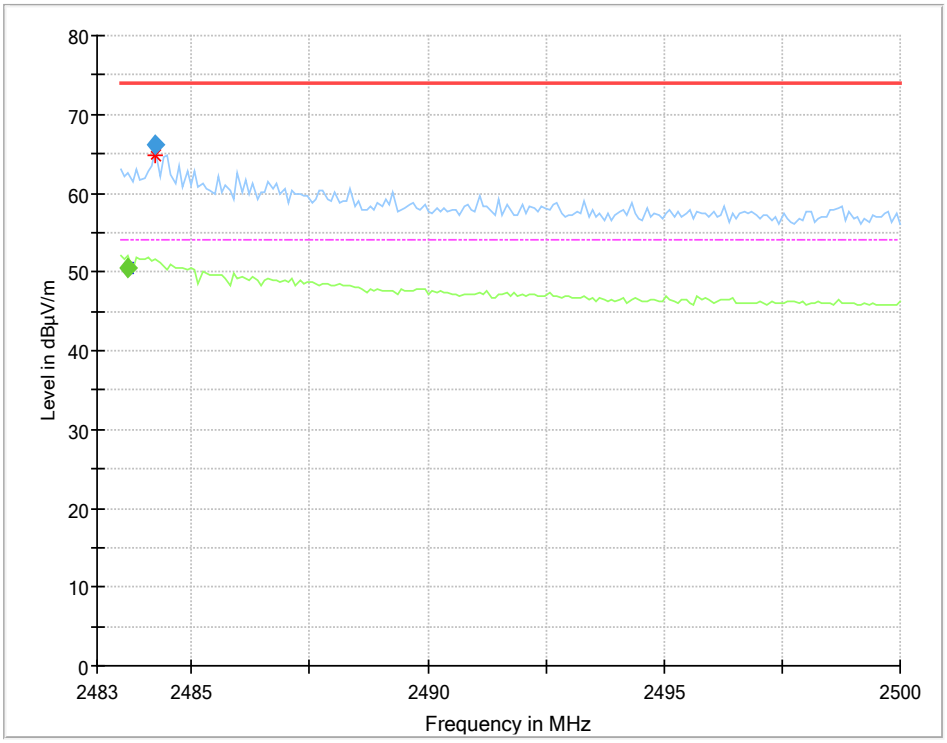
Radio Technology = WLAN g (1 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S04_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.665	---	50.8	54.00	3.19	1000.0	1000.000	150.0	V	119.0	-6.0	45.1
2484.903	65.9	---	74.00	8.09	1000.0	1000.000	150.0	H	81.0	95.0	45.1

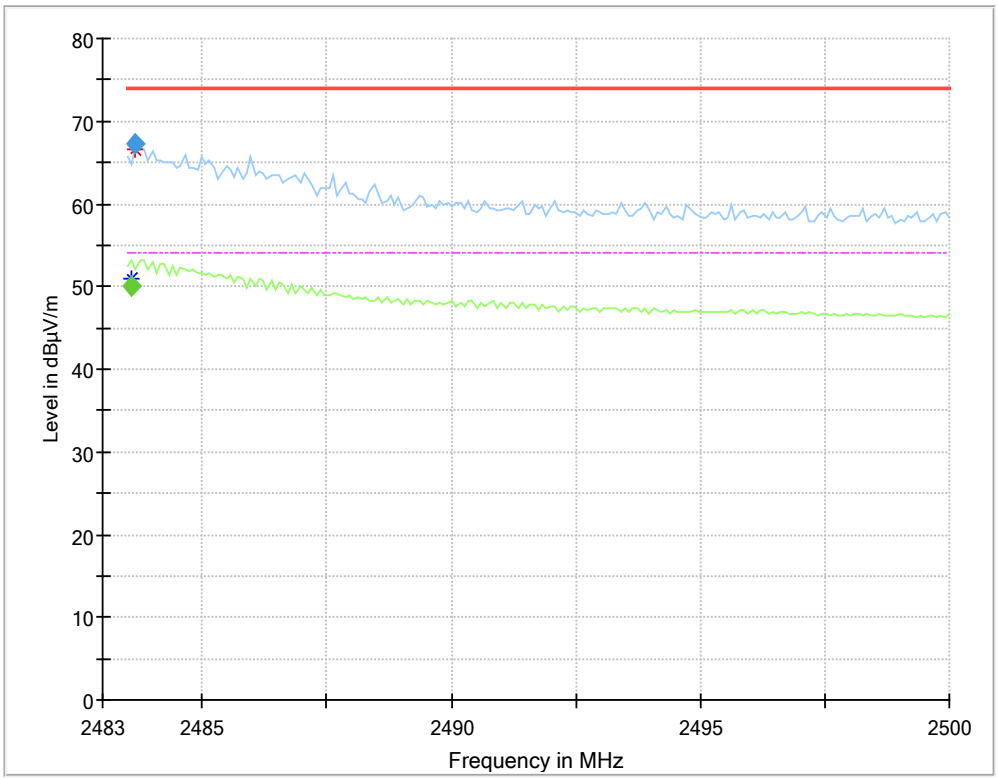
Radio Technology = WLAN g (6 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S04_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.665	---	50.4	54.0	3.62	1000.0	1000.00	150.	H	83.0	91.0	45.1
2484.243	66.2	---	74.0	7.75	1000.0	1000.00	150.	H	94.0	92.0	45.1

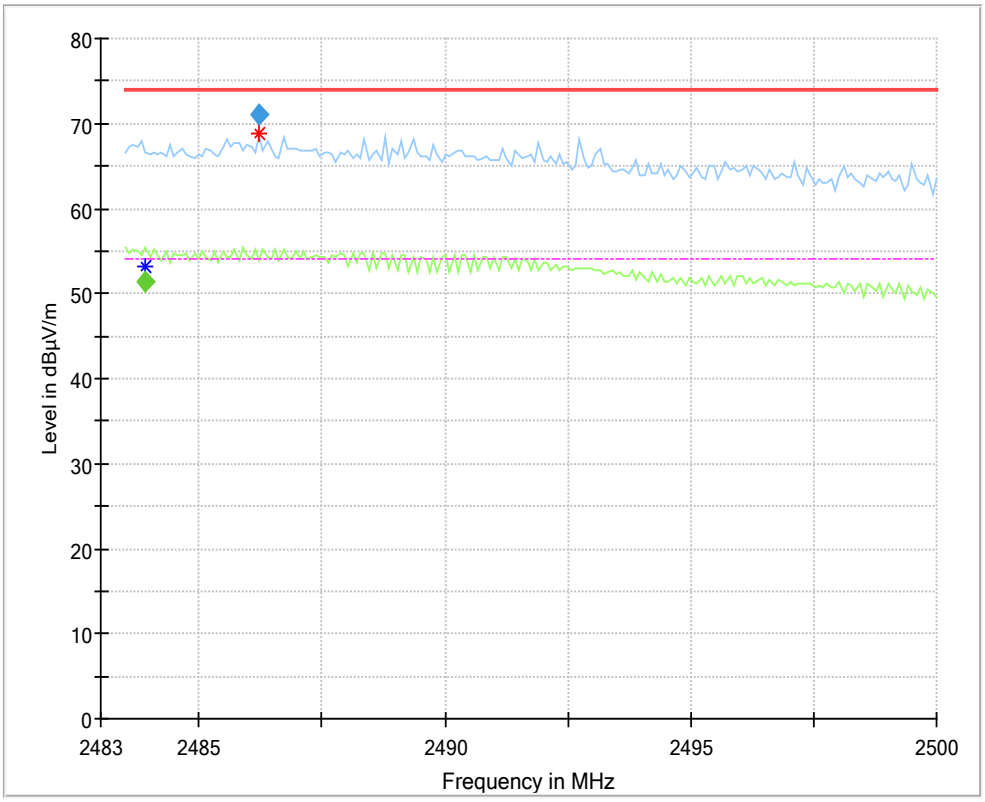
Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S04_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.583	---	50.1	54.0	3.93	1000.0	1000.00	150.	H	32.0	100.0	45.1
2483.665	67.3	---	74.0	6.74	1000.0	1000.00	150.	H	34.0	100.0	45.1

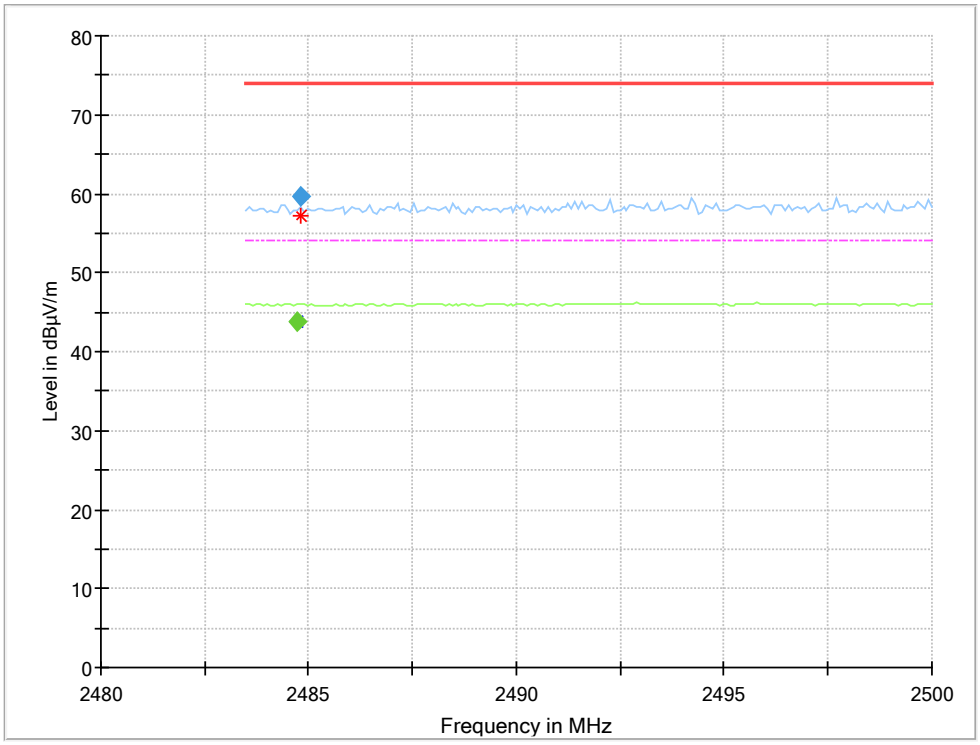
Radio Technology = WLAN n 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S04_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.913	---	51.3	54.0	2.71	1000.0	1000.00	150.	H	32.0	100.0	45.1
2486.223	71.0	---	74.0	3.03	1000.0	1000.00	150.	H	85.0	91.0	45.1

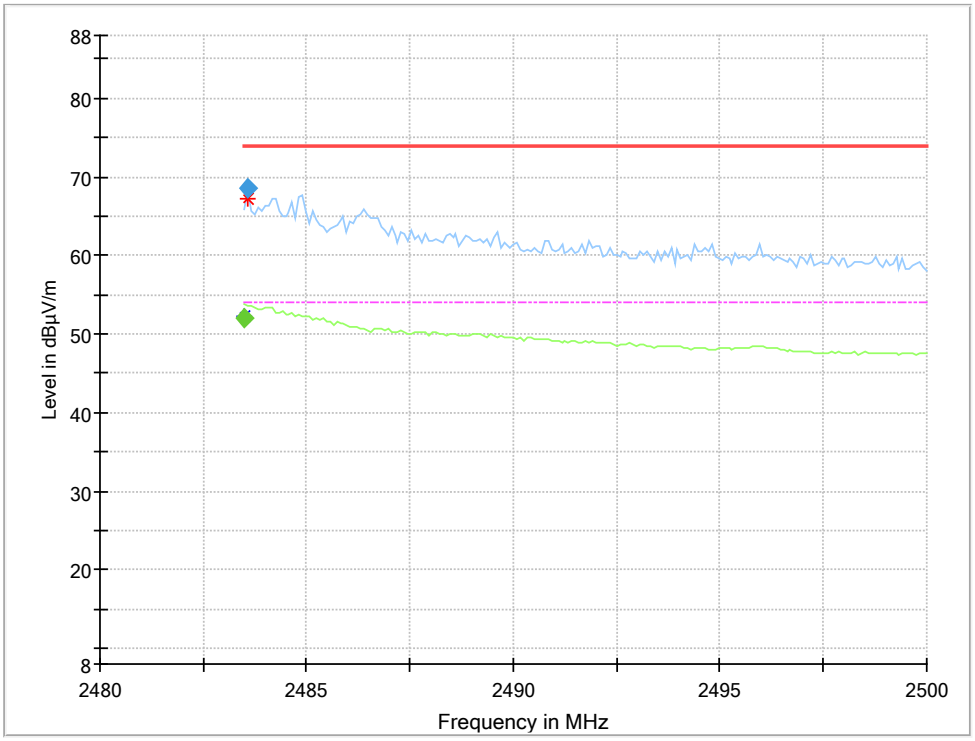
Radio Technology = WLAN g (1 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S03_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2484.738	---	43.9	54.0	10.07	1000.0	1000.00	150.	H	0.0	78.0	45.1
2484.820	59.6	---	74.0	14.37	1000.0	1000.00	150.	V	11.0	90.0	45.1

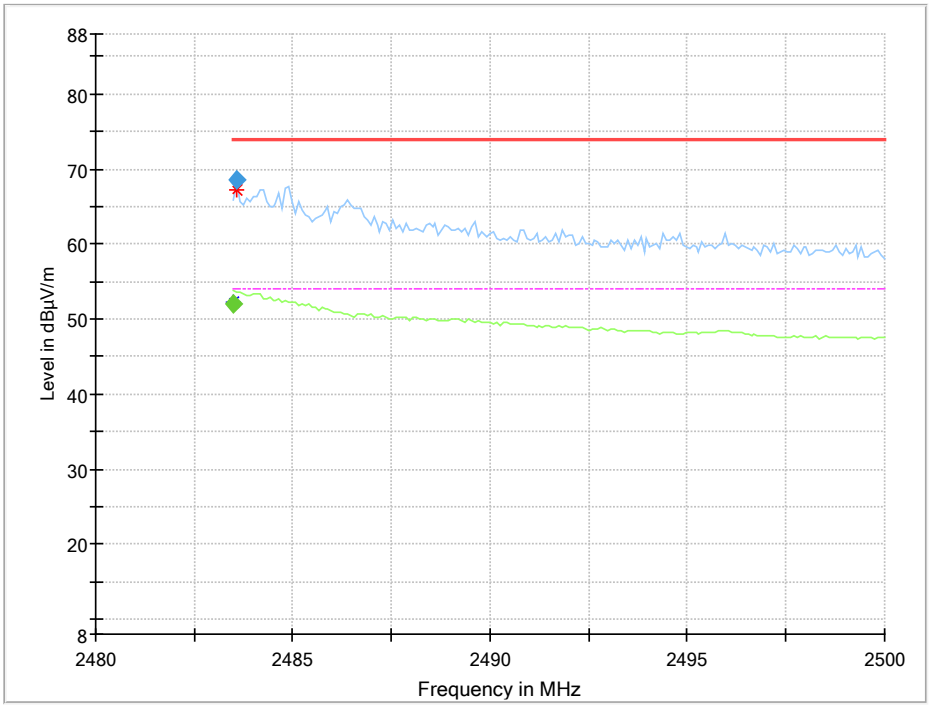
Radio Technology = WLAN g (6 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S03_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.1	54.0	1.91	1000.0	1000.00	150.	V	-8.0	87.0	45.1
2483.583	68.6	---	74.0	5.39	1000.0	1000.00	150.	V	-11.0	94.0	45.1

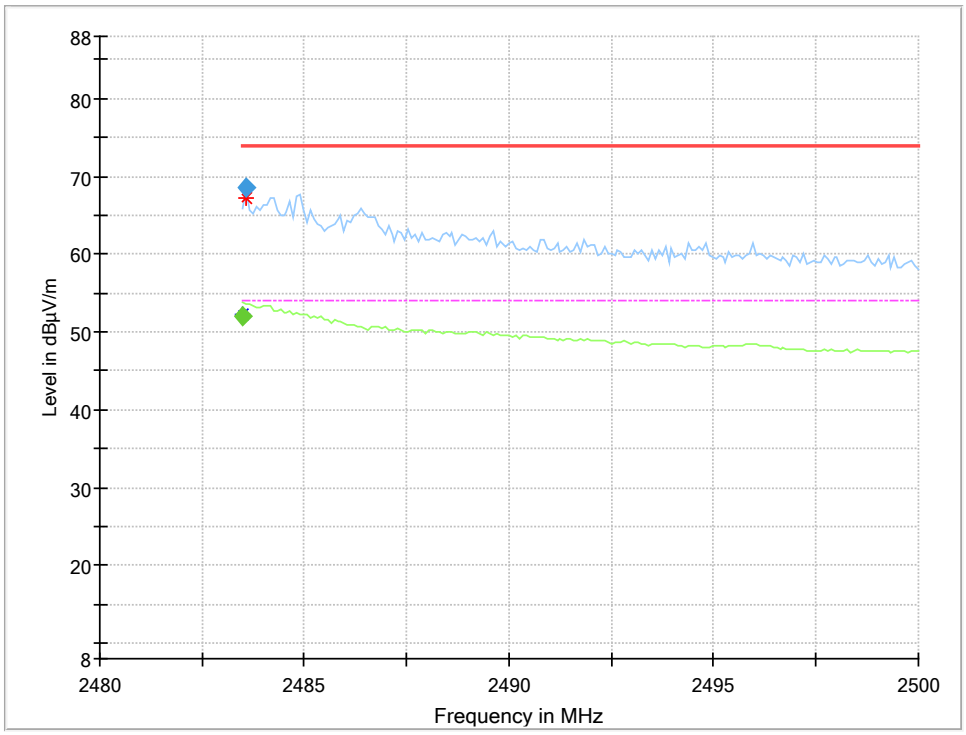
Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S03_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.1	54.0	1.91	1000.0	1000.00	150.	V	-8.0	87.0	45.1
2483.583	68.6	---	74.0	5.39	1000.0	1000.00	150.	V	-11.0	94.0	45.1

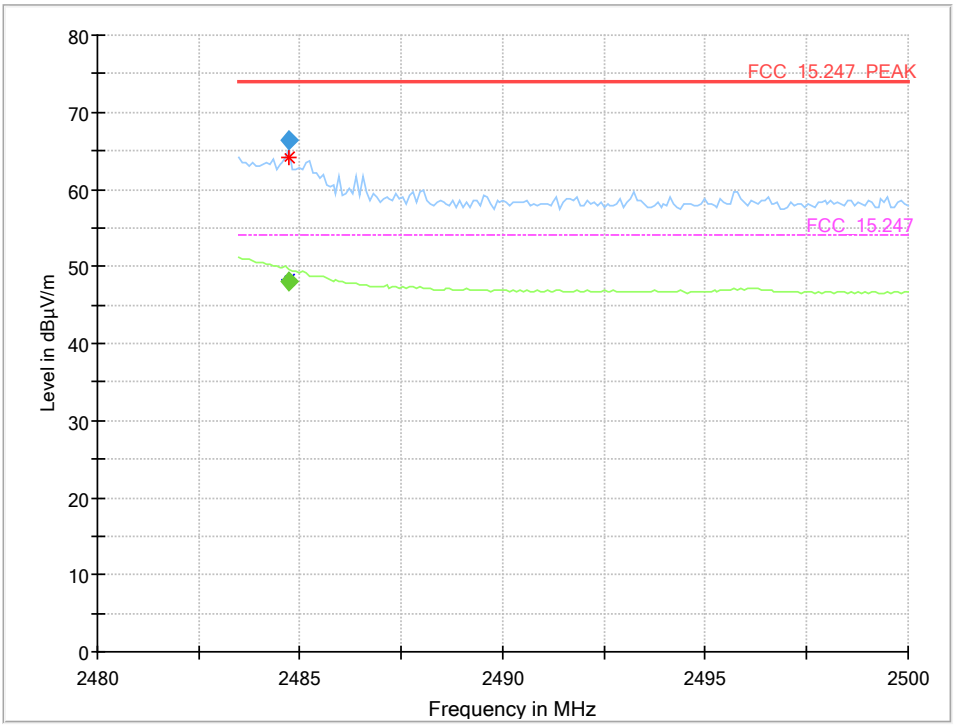
Radio Technology = WLAN n 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S03_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.1	54.0	1.91	1000.0	1000.00	150.	V	-8.0	87.0	45.1
2483.583	68.6	---	74.0	5.39	1000.0	1000.00	150.	V	-11.0	94.0	45.1

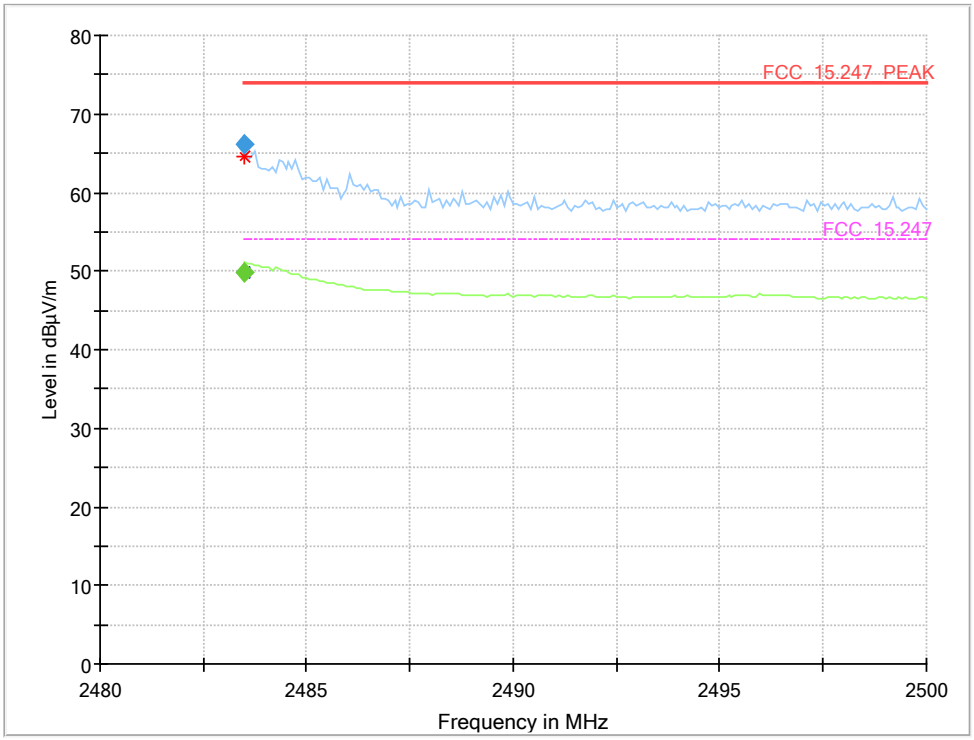
Radio Technology = WLAN g (1 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S02_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2484.738	---	48.0	54.00	6.02	1000.0	1000.000	150.0	H	1.0	83.0	45.1
2484.738	66.4	---	74.00	7.63	1000.0	1000.000	150.0	H	5.0	82.0	45.1

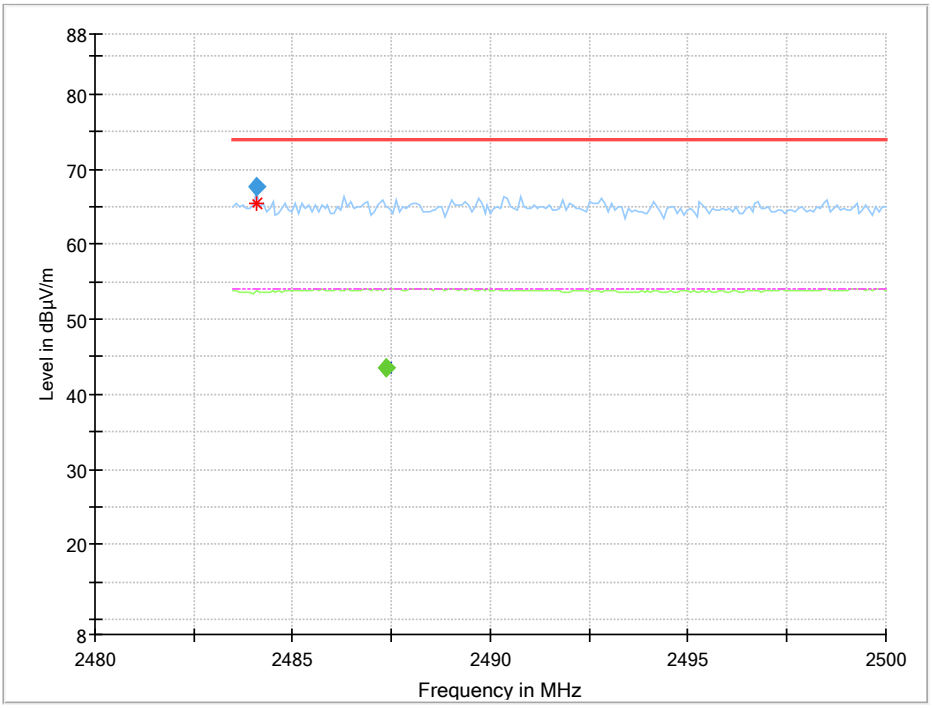
Radio Technology = WLAN g (6 Mbit) DIVERSITY, Operating Frequency = high, Band Edge = high
(S02_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	49.8	54.00	4.18	1000.0	1000.000	150.0	V	5.0	87.0	45.1
2483.500	66.1	---	74.00	7.90	1000.0	1000.000	150.0	H	0.0	81.0	45.1

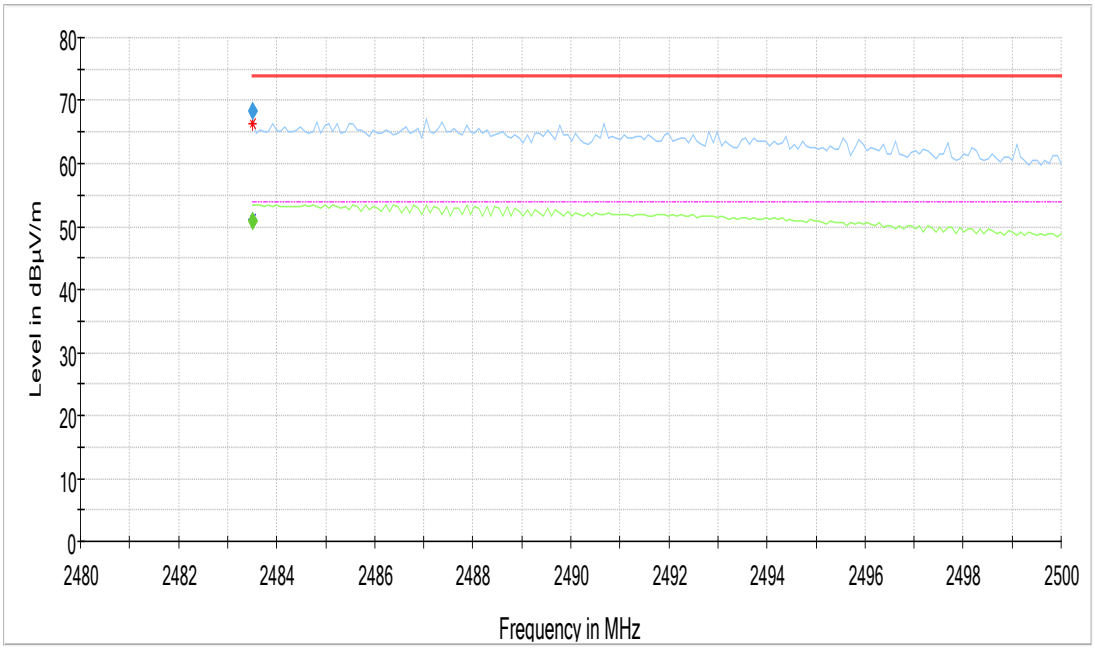
Radio Technology = WLAN n 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S02_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2484.078	67.6	---	74.0	6.41	1000.0	1000.00	150.	V	3.0	92.0	45.1
2487.378	---	43.6	54.0	10.39	1000.0	1000.00	150.	H	11.0	10.0	45.1

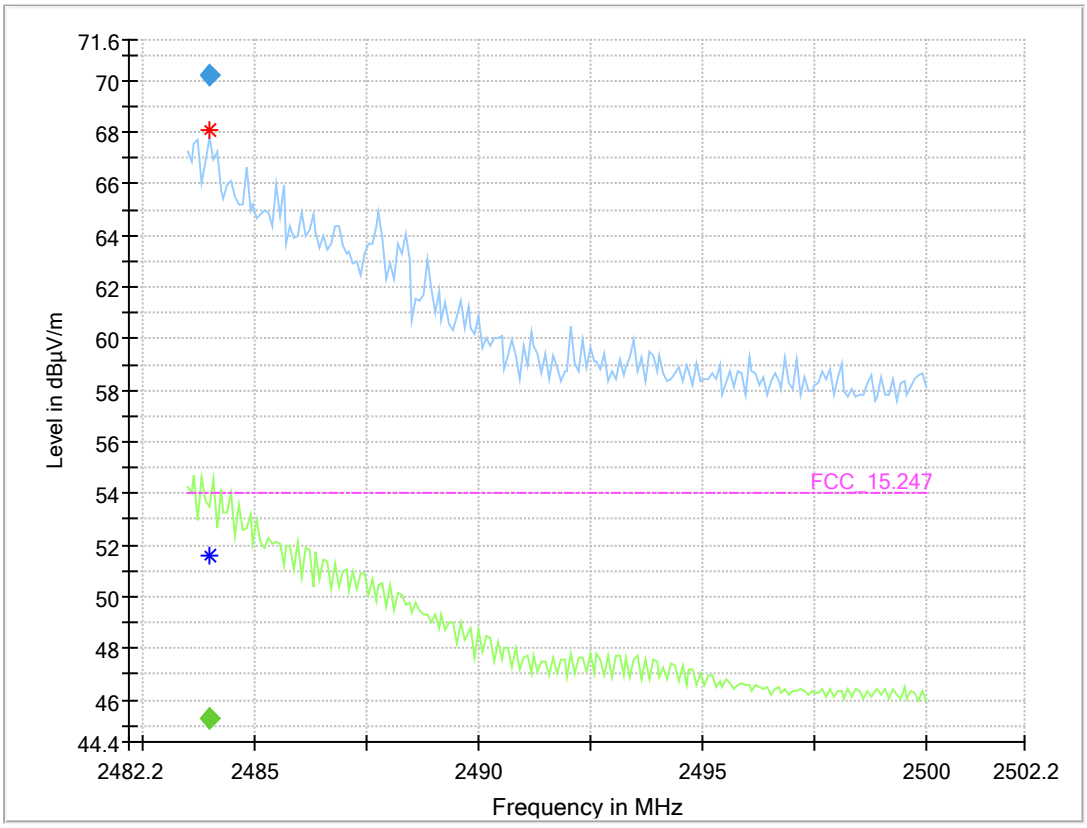
Radio Technology = WLAN n 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S02_AJ01)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	68.4	---	74.0	5.65	1000.0	1000.00	150.	H	8.0	82.0	45.1
2483.500	---	51.0	54.0	2.97	1000.0	1000.00	150.	V	2.0	87.0	45.1

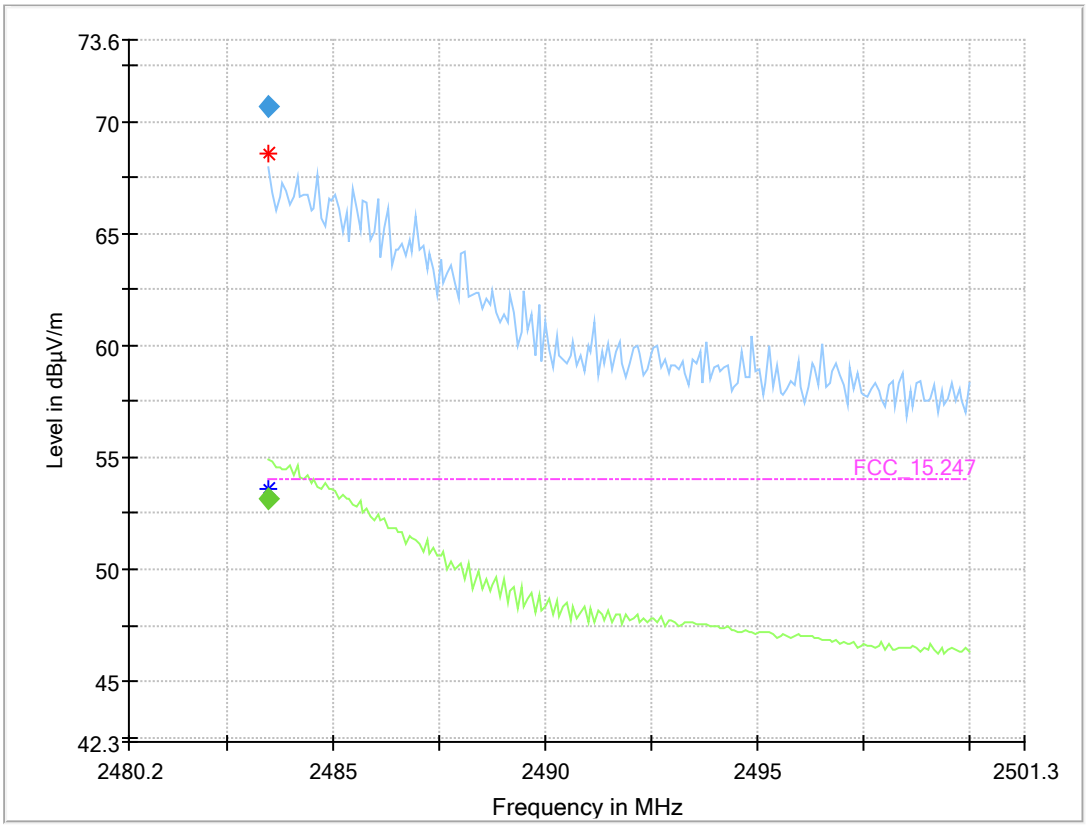
Radio Technology = WLAN ax 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S04_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.995	---	45.3	54.00	8.74	1000.0	1000.000	150.0	H	37.0	84.0	45.0
2483.995	70.2	---	74.00	3.77	1000.0	1000.000	150.0	H	38.0	88.0	45.0

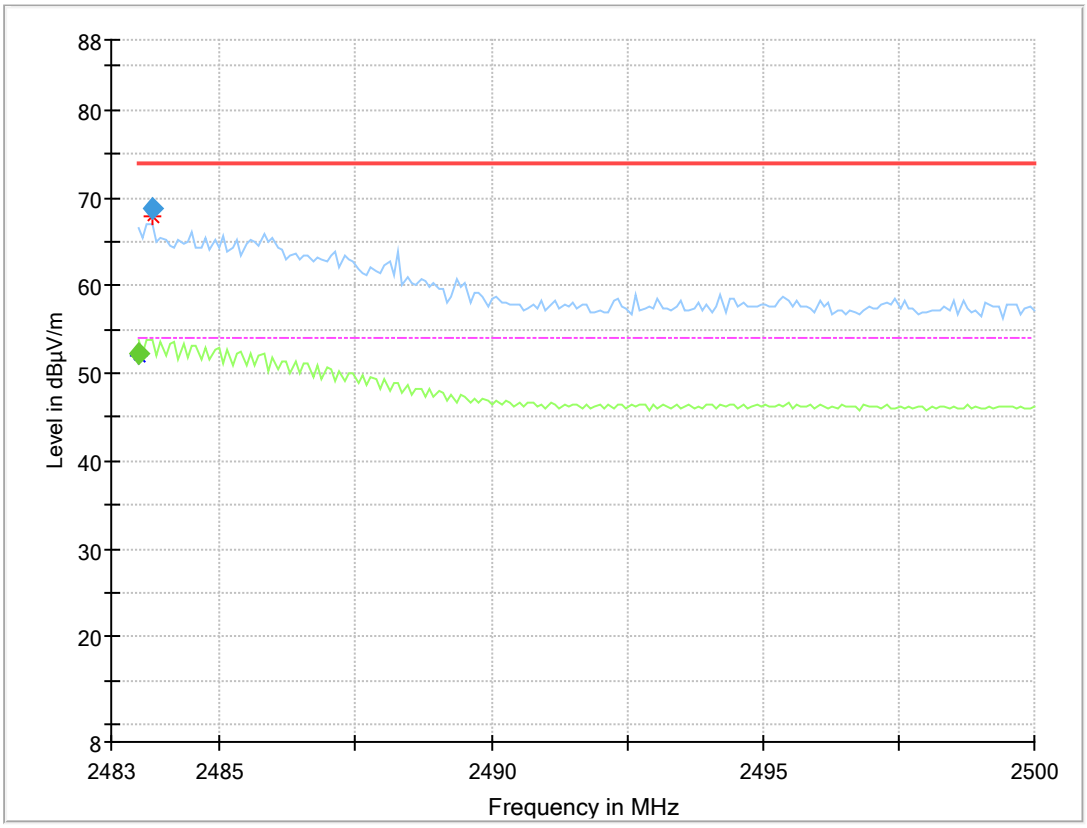
Radio Technology = WLAN ax 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S03_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.7	54.00	1.39	1000.0	1000.000	150.0	H	8.0	86.0	45.0
2483.500	70.7	---	74.00	3.34	1000.0	1000.000	150.0	H	3.0	92.0	45.0

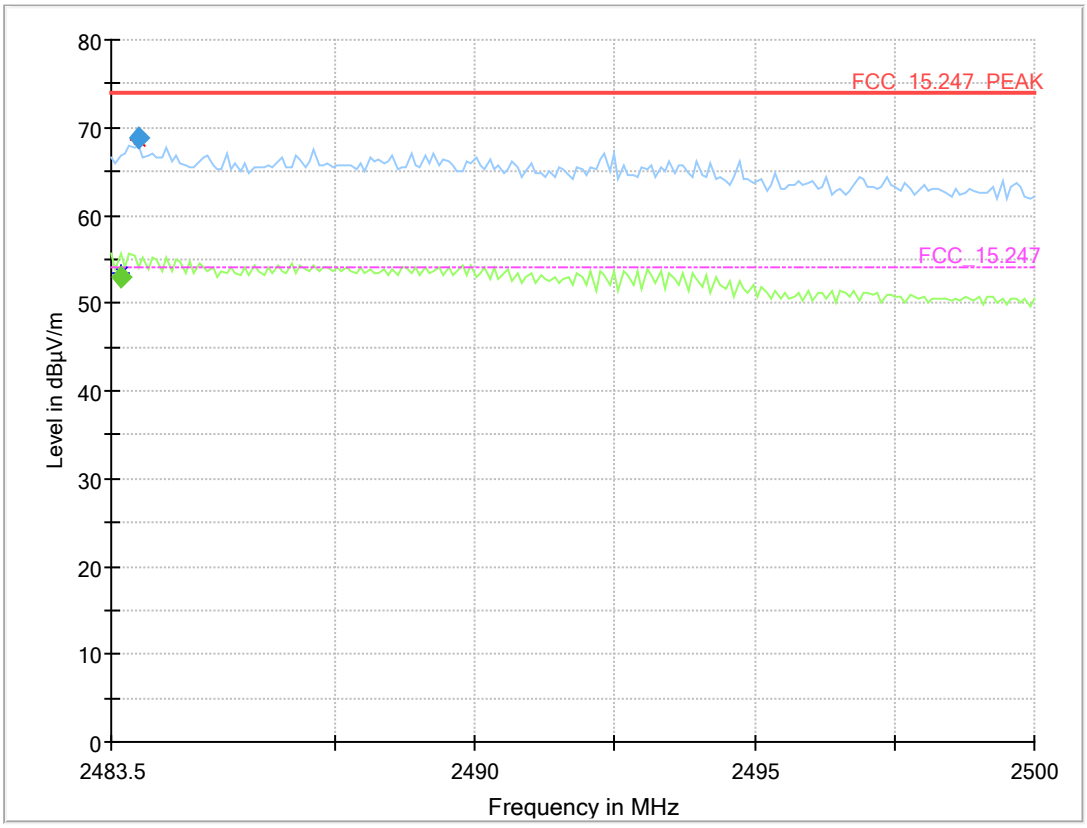
Radio Technology = WLAN ax 20 MHz MIMO, Operating Frequency = high, Band Edge = high (S02_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	---	52.2	54.00	1.76	1000.0	1000.000	150.0	H	7.0	84.0	45.0
2483.748	68.7	---	74.00	5.30	1000.0	1000.000	150.0	H	4.0	87.0	45.0

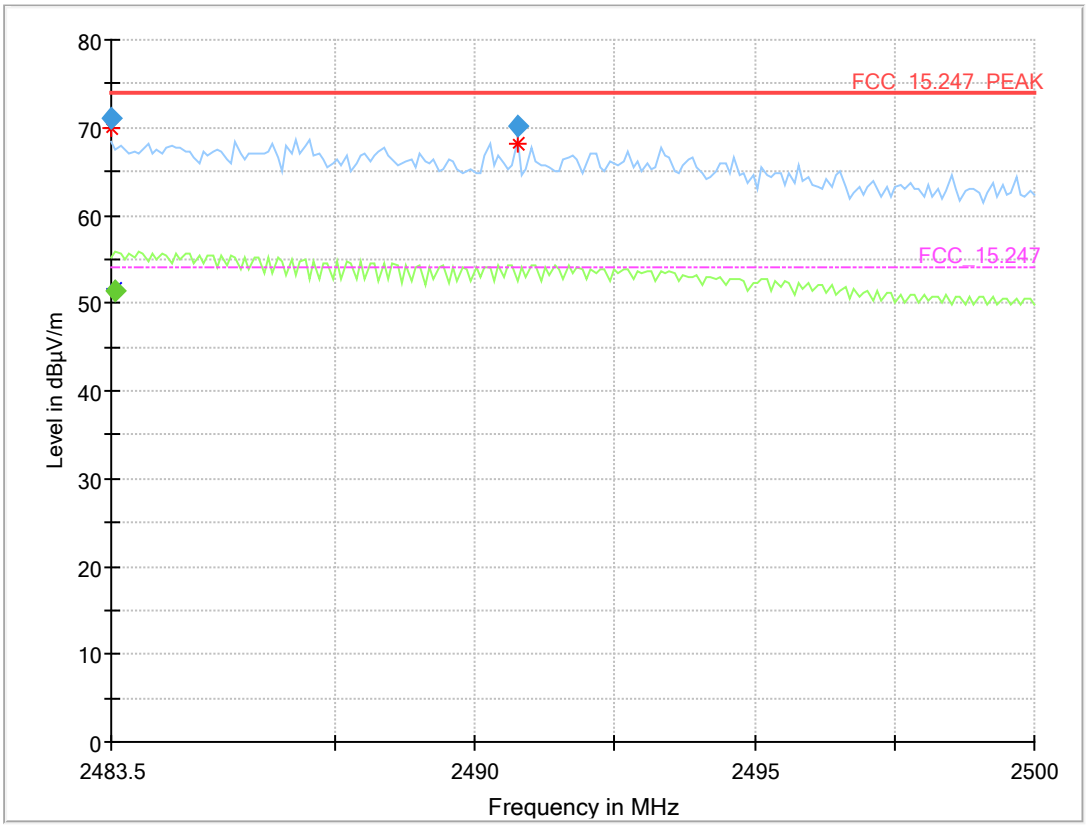
Radio Technology = WLAN ax 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S04_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.665	---	52.7	54.00	1.29	1000.0	1000.000	150.0	H	35.0	88.0	45.0
2483.995	68.9	---	74.00	5.09	1000.0	1000.000	150.0	H	36.0	88.0	45.0

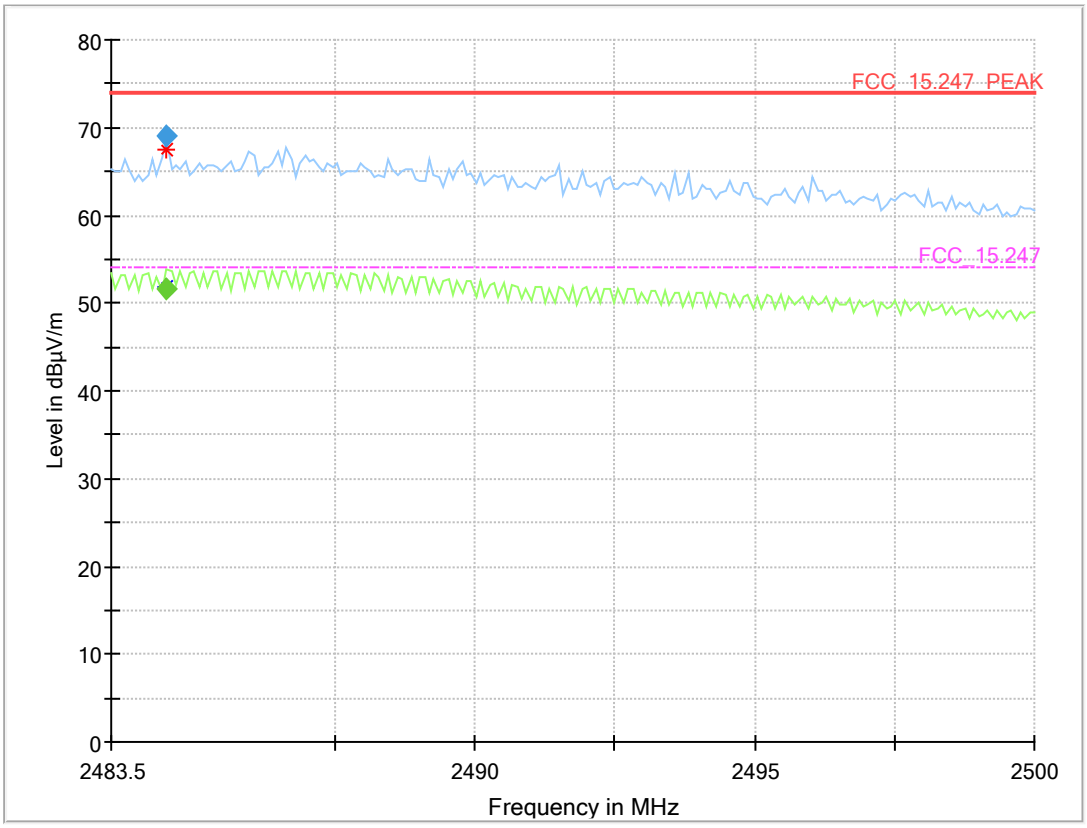
Radio Technology = WLAN ax 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S03_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2483.500	71.0	---	74.00	2.95	1000.0	1000.000	150.0	H	7.0	94.0	45.0
2483.583	---	51.3	54.00	1.47	1000.0	1000.000	150.0	H	23.0	91.0	45.0
2490.760	70.1	---	74.00	3.94	1000.0	1000.000	150.0	H	11.0	105.0	45.0

Radio Technology = WLAN ax 40 MHz MIMO, Operating Frequency = high, Band Edge = high (S02_AJ02)



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2484.490	---	51.6	54.00	2.36	1000.0	1000.000	150.0	H	7.0	83.0	45.0
2484.490	68.9	---	74.00	5.05	1000.0	1000.000	150.0	H	8.0	90.0	45.0

5.7.5 TEST EQUIPMENT USED

- Radiated Emissions

5.8 POWER DENSITY

Standard **FCC Part 15 Subpart C**

The test was performed according to:
ANSI C63.10

5.8.1 TEST DESCRIPTION

The Equipment Under Test (EUT) was set up in a shielded room to perform the Power Density measurements.
The results recorded were measured with the modulation which produces the worst-case (highest) power density.

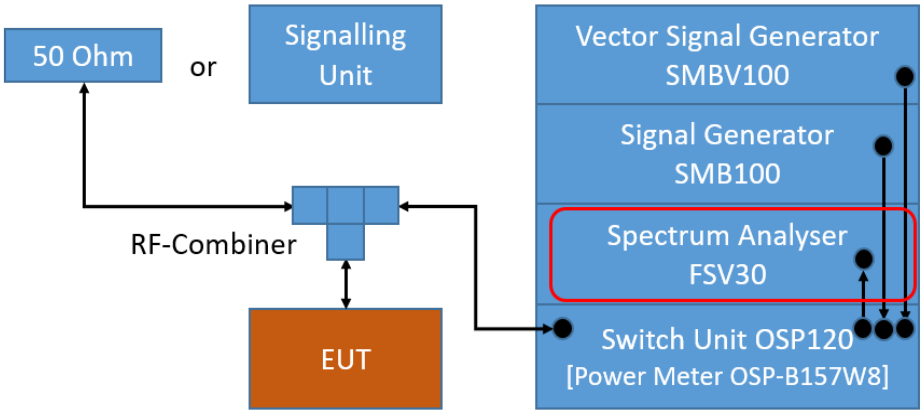
The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

Maximum Peak Power Spectral Density (e.g. Bluetooth low energy):

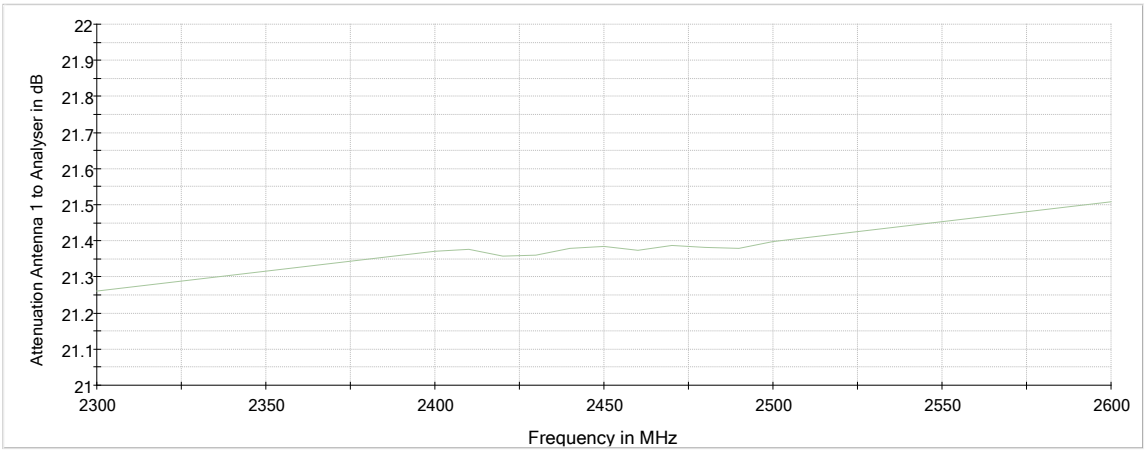
Analyser settings:
- Resolution Bandwidth (RBW): 100 kHz, 10 kHz or 3 kHz
- Video Bandwidth (VBW): ≥ 3 times RBW
- Trace: Maxhold
- Sweeps: Till stable (min. 200, max. 15000)
- Sweeptime: Auto
- Detector: Peak

Maximum Average Power Spectral Density (e.g. WLAN):

Analyser settings:
- Resolution Bandwidth (RBW): 100 kHz, 10 kHz or 3 kHz
- Video Bandwidth (VBW): ≥ 3 times RBW
- Sweep Points: ≥ 2 times span / RBW
- Trace: Maxhold
- Sweeps: Till stable (max. 150)
- Sweeptime: ≤ Number of Sweep Points x minimum transmission duration
- Detector: RMS



TS8997; Power Spectral Density



Attenuation of the measurement path

5.8.2 TEST REQUIREMENTS / LIMITS

FCC Part 15, Subpart C, §15.247 (e)

For digitally modulated systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.
…
The same method of determining the conducted output power shall be used to determine the power spectral density.

FCC Part 15, Subpart C, §15.247 (f)

(f) For the purposes of this section, hybrid systems are those that employ a combination of both frequency hopping and digital modulation techniques.
…
The power spectral density conducted from the intentional radiator to the antenna due to the digital modulation operation of the hybrid system, with the frequency hopping operation turned off, shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission

5.8.3 TEST PROTOCOL

With power settings for antenna gain ≤ 9.0 dBi (please see chapter 4.6)

Ambient temperature: 26 °C
Air Pressure: 1001 hPa
Humidity: 51 %

WLAN g-Mode; 20 MHz; 1 Mbit/s

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-4.1	100.0	8.0	12.1
	6	2437	-4.0	100.0	8.0	**12.0**
	11	2462	-4.4	100.0	8.0	12.4

WLAN g-Mode; 20 MHz; 6 Mbit/s

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-4.3	100.0	8.0	**12.3**
	6	2437	-4.3	100.0	8.0	12.3
	11	2462	-4.5	100.0	8.0	12.5

WLAN n-Mode; 20 MHz; MCS0

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-5.0	100.0	8.0	13.0
	6	2437	-4.9	100.0	8.0	12.9
	11	2462	-4.6	100.0	8.0	**12.6**

WLAN n-Mode; 40 MHz; MCS0

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	3	2422	-8.5	100.0	8.0	**16.5**
	6	2437	-8.8	100.0	8.0	16.8
	9	2452	-9.0	100.0	8.0	17.0

WLAN ax-Mode; 20 MHz; MCS0

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-5.8	100.0	8.0	13.8
	6	2437	-5.8	100.0	8.0	13.8
	11	2462	-5.8	100.0	8.0	13.8

WLAN ax-Mode; 40 MHz; MCS0

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	3	2422	-10.2	100.0	8.0	18.2
	6	2437	-10.5	100.0	8.0	18.5
	9	2452	-10.4	100.0	8.0	18.4

WLAN g-Mode; 20 MHz; 1 Mbit/s;
DIVERSITY

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-0.8	100	8.0	**8.8**
	6	2437	-1.1	100	8.0	9.1
	11	2462	-0.9	100	8.0	8.9

WLAN g-Mode; 20 MHz; 6 Mbit/s,
DIVERSITY

Band	Channel No.	Frequency [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-0.9	100	8.0	**8.9**
	6	2437	-1.2	100	8.0	9.2
	11	2462	-1.2	100	8.0	9.2

WLAN n-Mode; 20 MHz; MCS0; MIMO

Band	Ch. No.	Freq. [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/ 3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-1.5	100	8.0	**9.5**
	6	2437	-1.8	100	8.0	9.8
	11	2462	-1.6	100	8.0	9.6

WLAN n-Mode; 40 MHz; MCS0; MIMO

Band	Ch. No.	Freq. [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	3	2422	-5.7		8.0	**13.7**
	6	2437	-6.1		8.0	14.1
	9	2452	-5.7		8.0	13.7

WLAN ax-Mode; 20 MHz; MCS0; MIMO

Band	Ch. No.	Freq. [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/ 3kHz]	Margin to Limit [dB]
2.4 GHz ISM	1	2412	-2.4	100	8.0	10.4
	6	2437	-2.9	100	8.0	10.9
	11	2462	-2.6	100	8.0	10.6

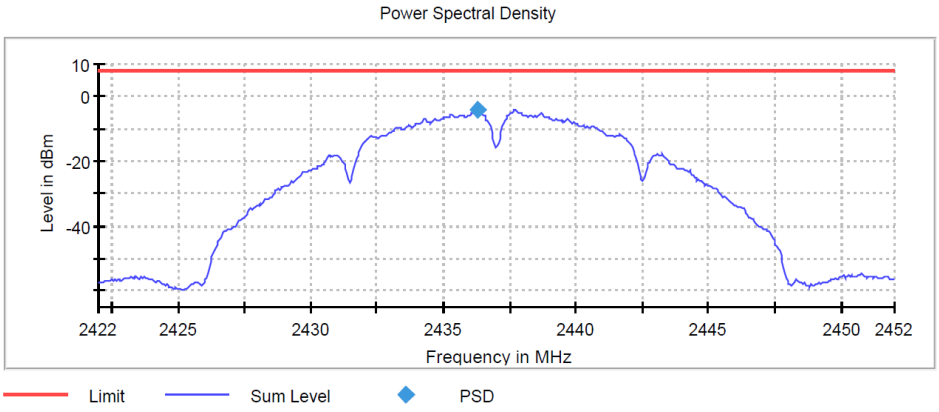
WLAN ax-Mode; 40 MHz; MCS0; MIMO

Band	Ch. No.	Freq. [MHz]	Power Density [dBm / RBW]	RBW [kHz]	Limit [dBm/3kHz]	Margin to Limit [dB]
2.4 GHz ISM	3	2422	-6.8		8.0	14.8
	6	2437	-7.4		8.0	15.4
	9	2452	-7.1		8.0	15.1

Remark: Please see next sub-clause for the measurement plot.

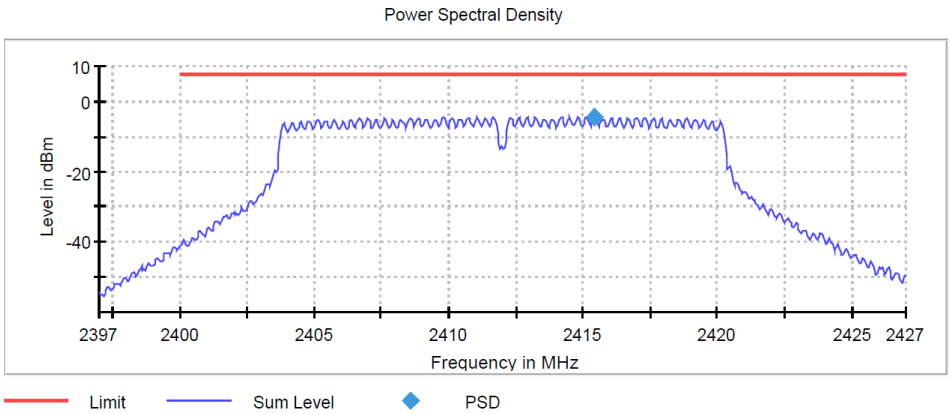
5.8.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

Radio Technology = WLAN g (1 Mbit), Operating Frequency = mid (S01_AH01)



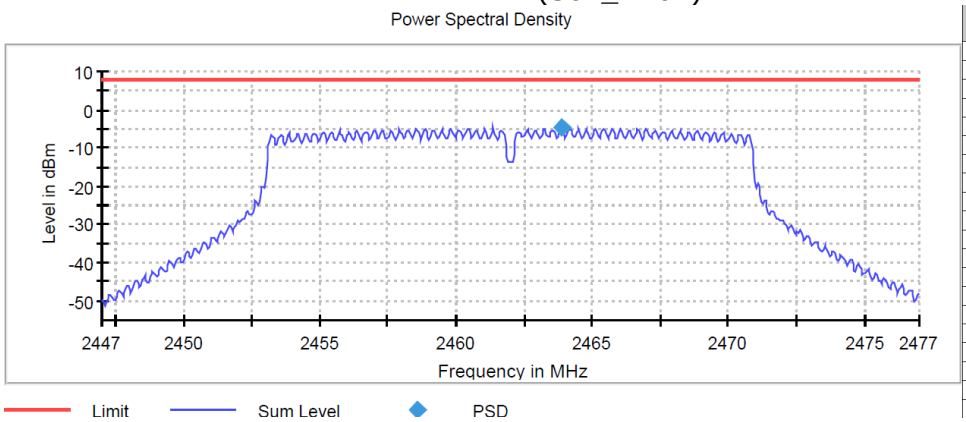
Setting	Instrument Value
Start Frequency	2.42200 GHz
Stop Frequency	2.45200 GHz
Span	30.000 MHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	600
Sweeptime	600.000 ms
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
SweepCount	1
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	17 / max. 150
Stable	3 / 3
Max Stable Difference	0.24 dB

Radio Technology = WLAN g (6 Mbit), Operating Frequency = low (S01_AH01)



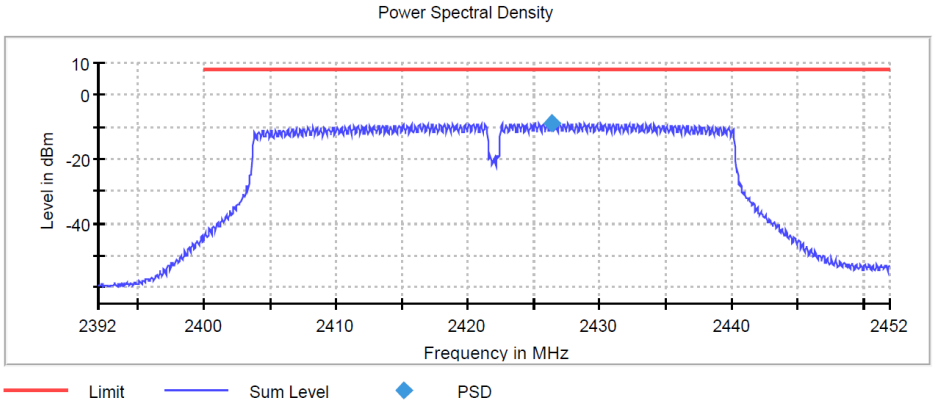
Setting	Instrument Value
Start Frequency	2.39700 GHz
Stop Frequency	2.42700 GHz
Span	30.000 MHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	600
Sweeptime	600.000 ms
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
SweepCount	1
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	7 / max. 150
Stable	3 / 3
Max Stable Difference	0.49 dB

Radio Technology = WLAN n 20 MHz, Operating Frequency = high (S01_AH01)



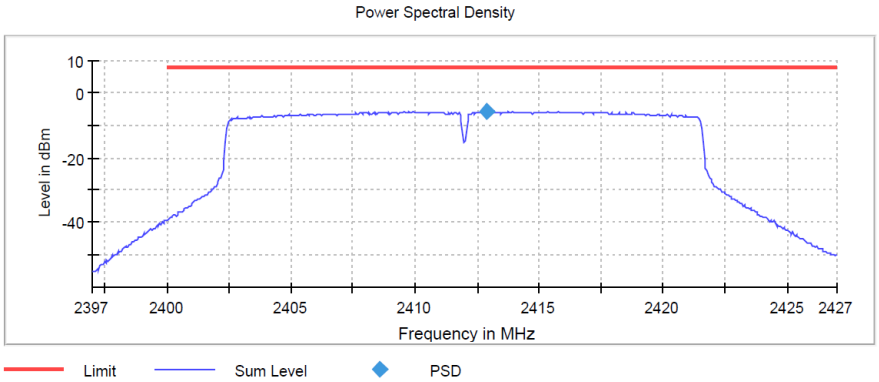
Setting	Instrument Value
Start Frequency	2.44700 GHz
Stop Frequency	2.47700 GHz
Span	30.000 MHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	600
Sweeptime	600.000 ms
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
SweepCount	1
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	15 / max. 150
Stable	3 / 3
Max Stable Difference	0.35 dB

Radio Technology = WLAN n 40 MHz, Operating Frequency = low (S01_AH01)



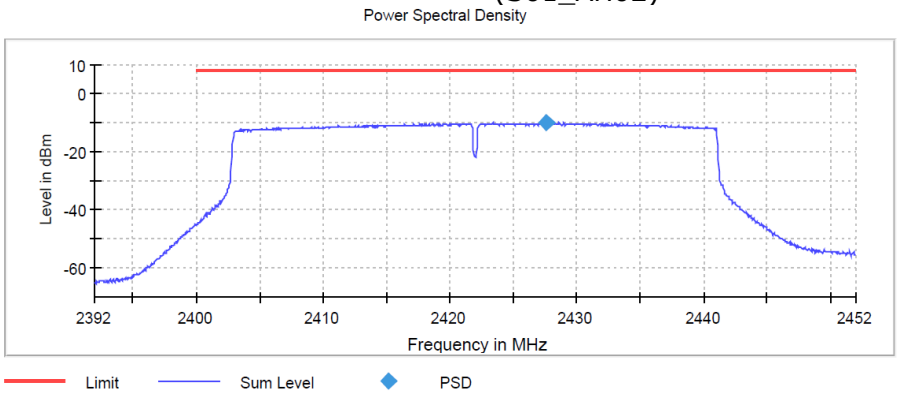
Setting	Instrument Value
Start Frequency	2.39200 GHz
Stop Frequency	2.45200 GHz
Span	60.000 MHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	1200
Sweeptime	1.200 s
Reference Level	0.000 dBm
Attenuation	20.000 dB
Detector	RMS
SweepCount	1
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	17 / max. 150
Stable	3 / 3
Max Stable Difference	0.44 dB

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low (S01_AH02)



Setting	Instrument Value
Start Frequency	2.39700 GHz
Stop Frequency	2.42700 GHz
Span	30.000 MHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	600
Sweeptime	600.000 ms
Reference Level	0.000 dBm
Attenuation	10.000 dB
Detector	RMS
SweepCount	1
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	12 / max. 150
Stable	3 / 3
Max Stable Difference	0.35 dB

Radio Technology = WLAN ax 40 MHz, Operating Frequency = low (S01_AH02)



Setting	Instrument Value
Start Frequency	2.39200 GHz
Stop Frequency	2.45200 GHz
Span	60.000 MHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	1200
Sweeptime	1.200 s
Reference Level	0.000 dBm
Attenuation	10.000 dB
Detector	RMS
SweepCount	1
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	13 / max. 150
Stable	3 / 3
Max Stable Difference	0.31 dB