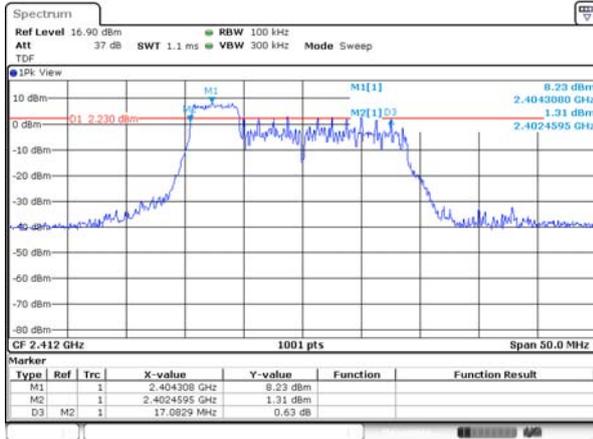


52T / 2 412 MHz

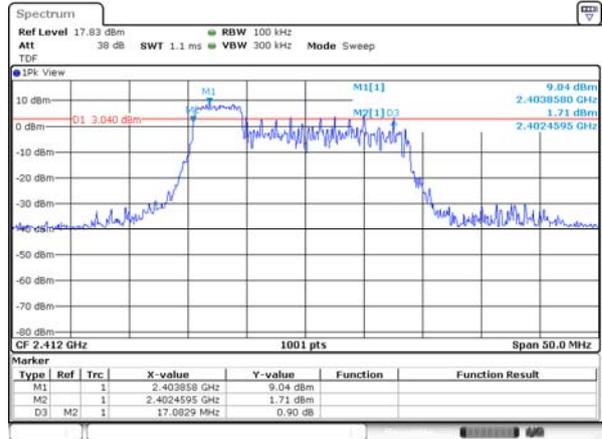
ANT 1

RU offset 37

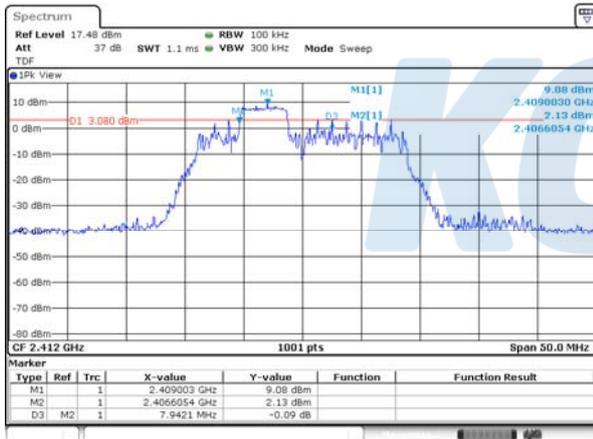


ANT 2

RU offset 37



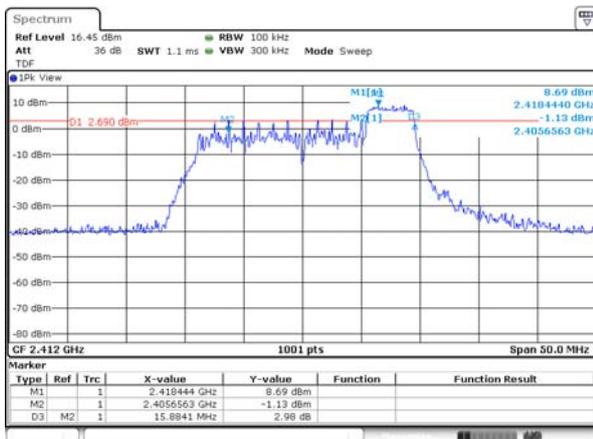
RU offset 38



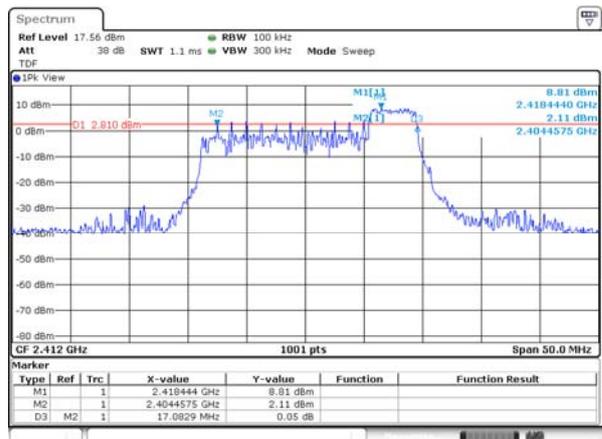
RU offset 38



RU offset 40



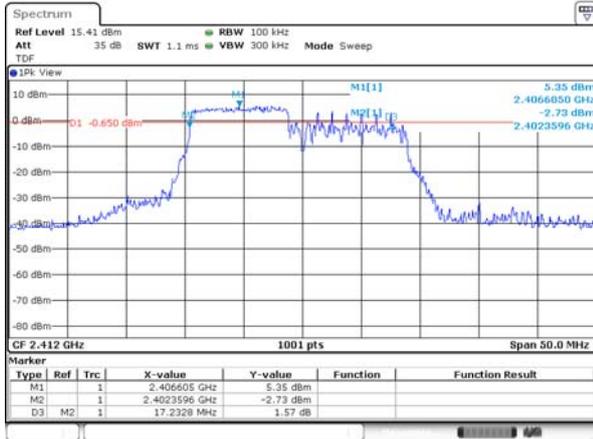
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106T / 2 412 MHz

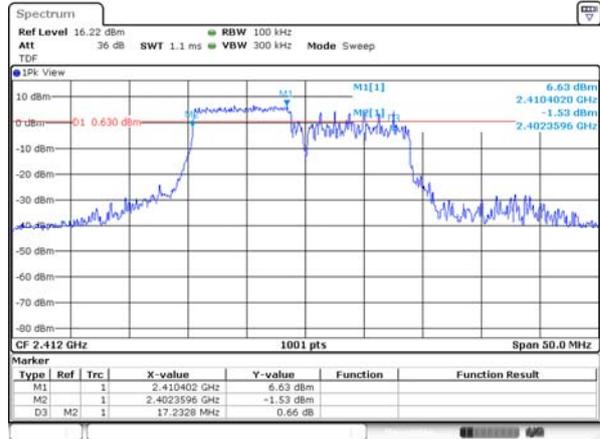
ANT 1

RU offset 53

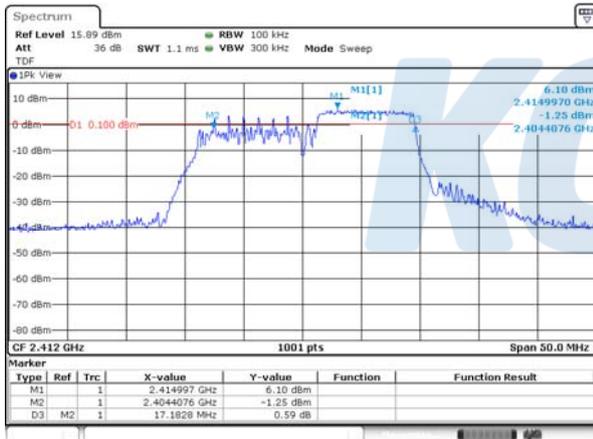


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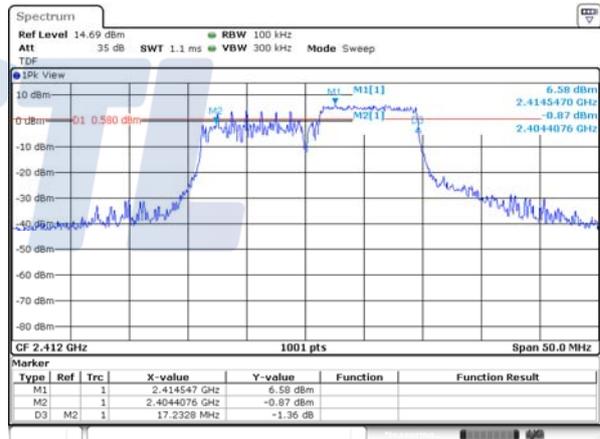
RU offset 53



RU offset 54

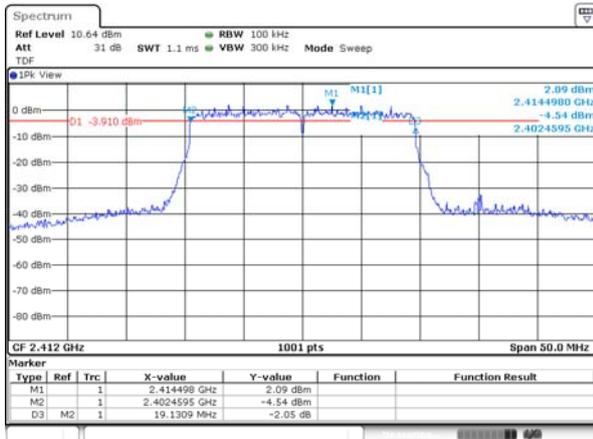


RU offset 54

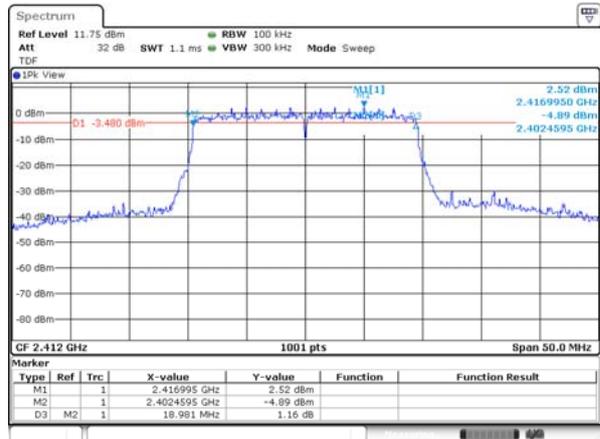


SU / 2 412 MHz

ANT 1



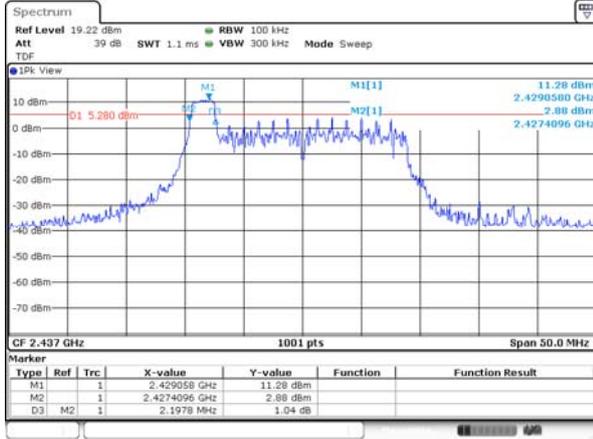
ANT 2



26T / 2 437 MHz

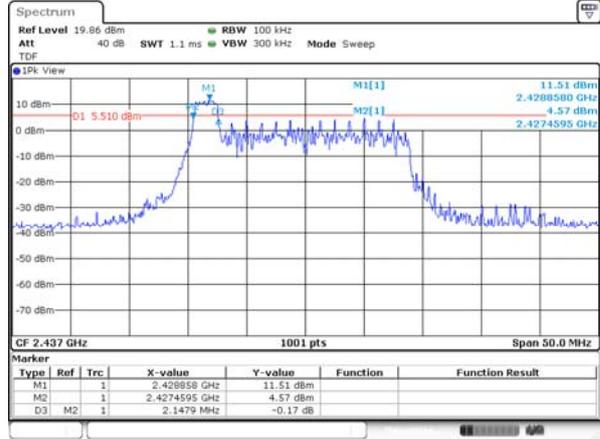
ANT 1

RU offset 0

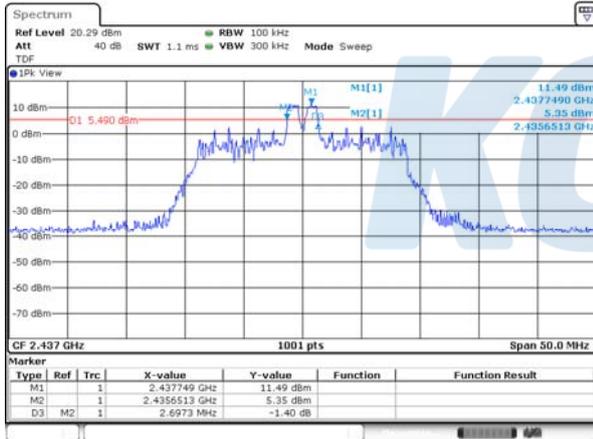


ANT 2

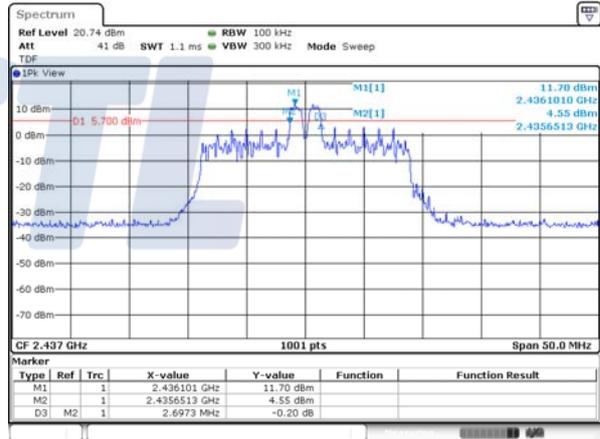
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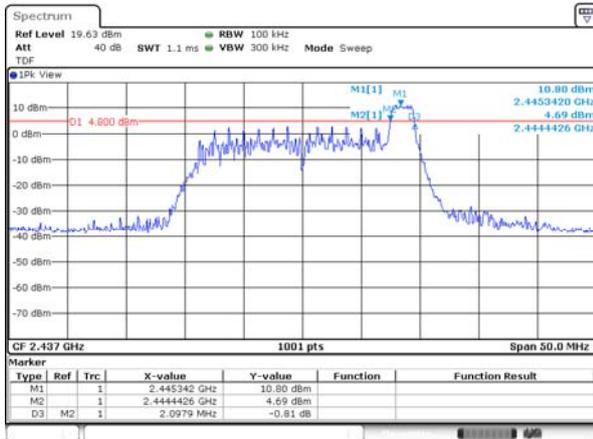
RU offset 4



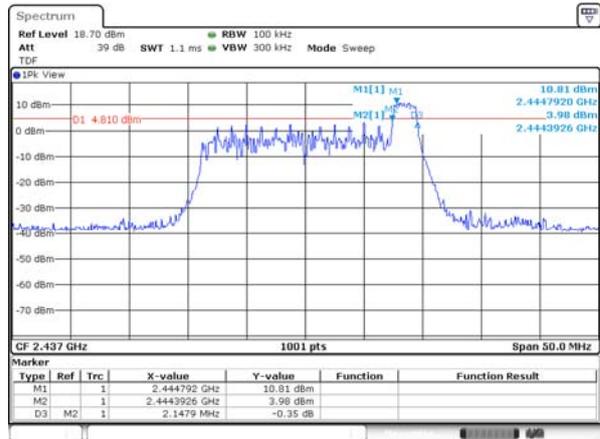
RU offset 4



RU offset 8



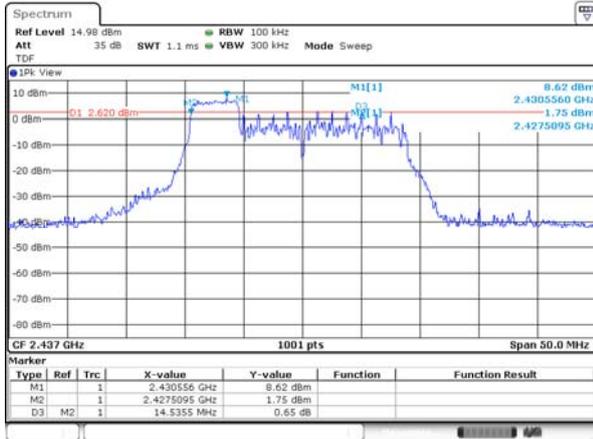
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52T / 2 437 MHz

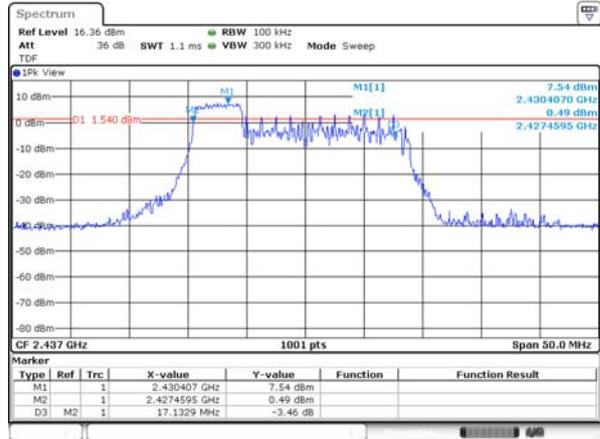
ANT 1

RU offset 37

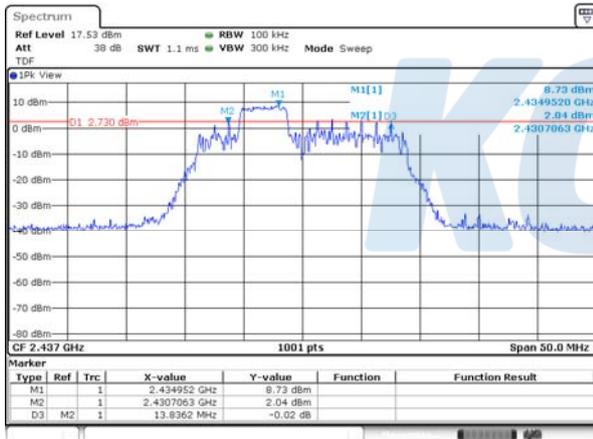


ANT 2

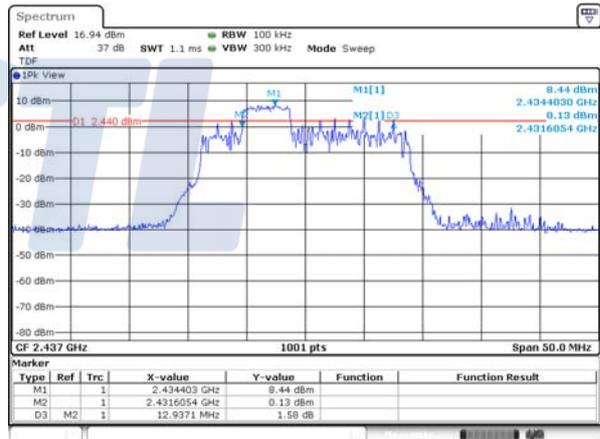
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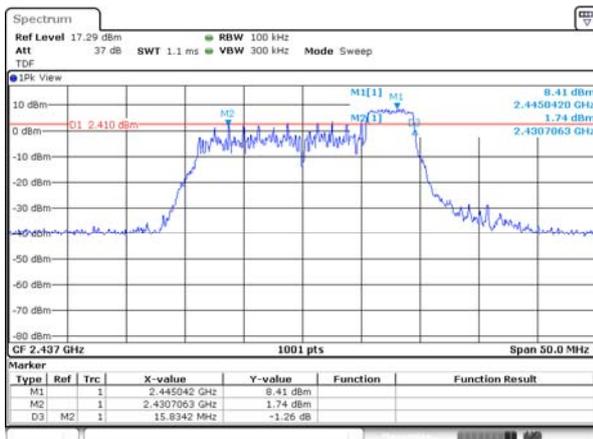
RU offset 38



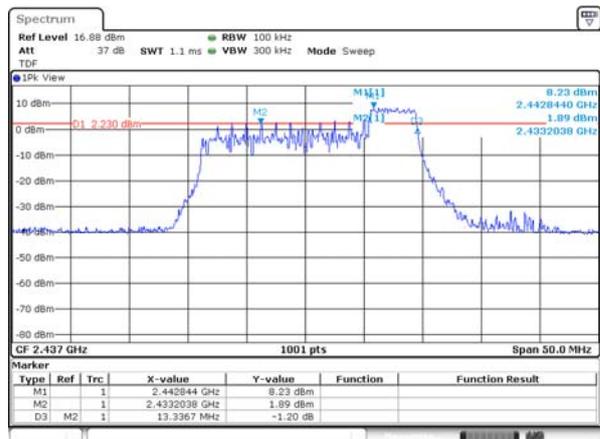
RU offset 38



RU offset 40



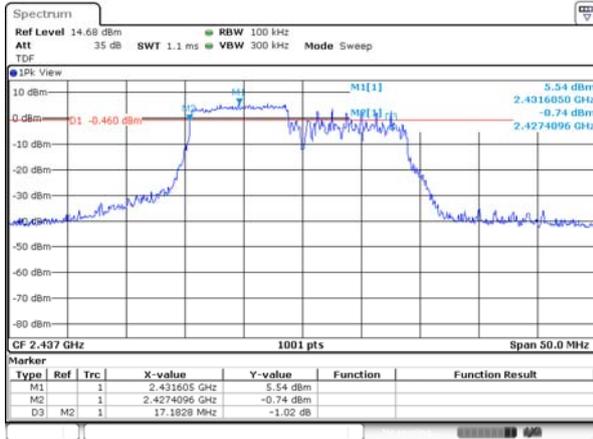
RU offset 40



106T / 2 437 MHz

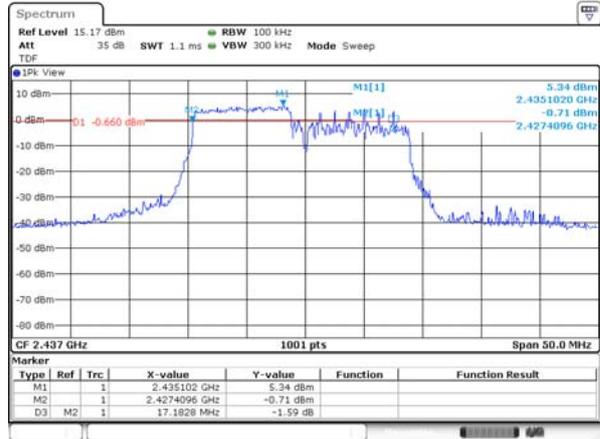
ANT 1

RU offset 53

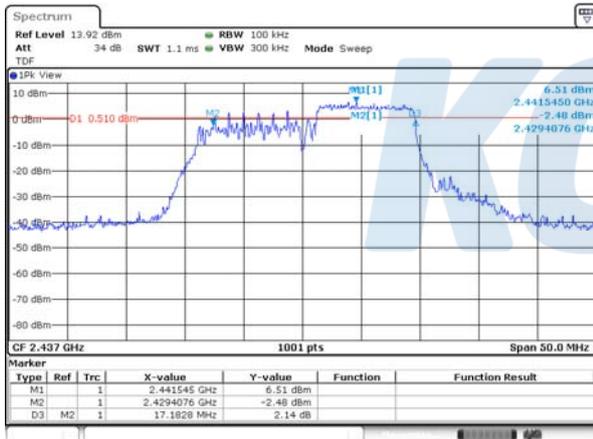


ANT 2

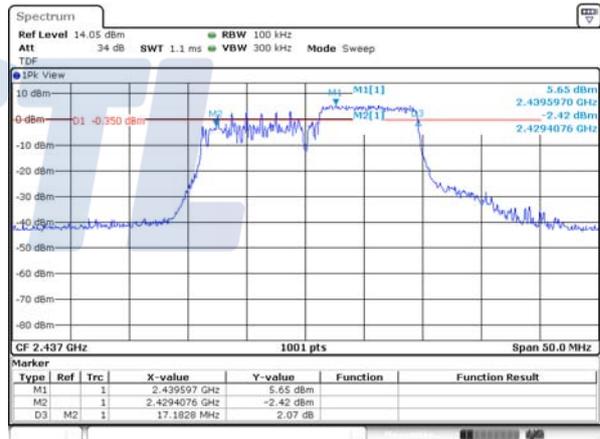
RU offset 53



RU offset 54

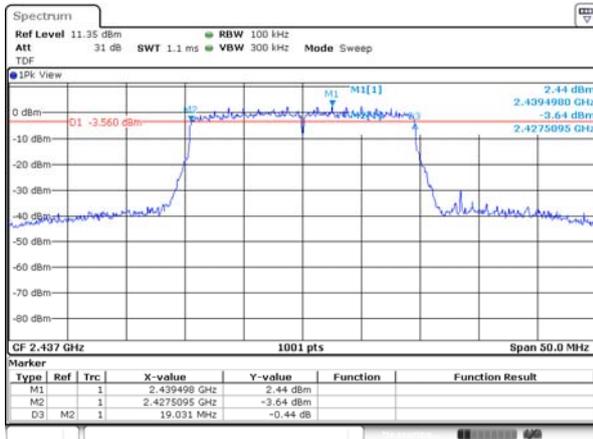


RU offset 54

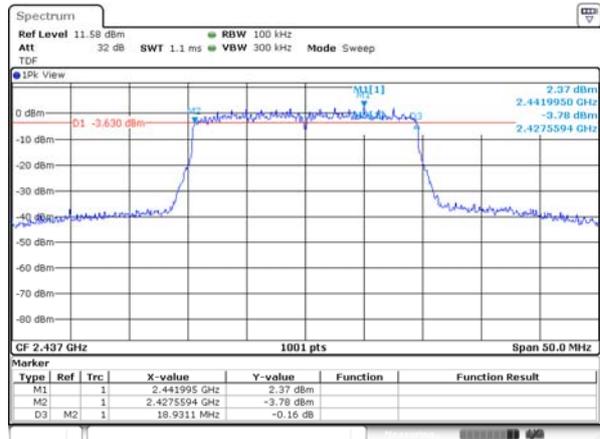


SU / 2 437 MHz

ANT 1



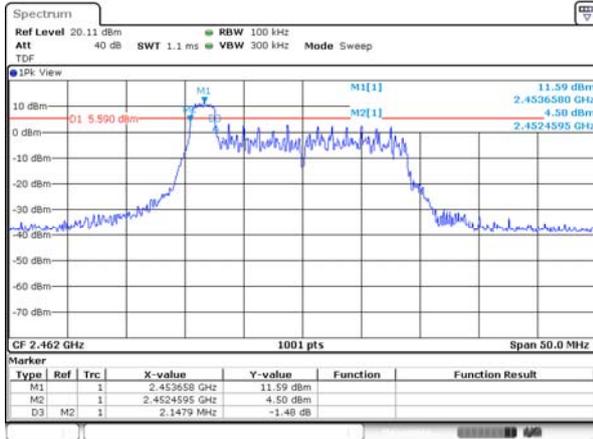
ANT 2



26T / 2 462 MHz

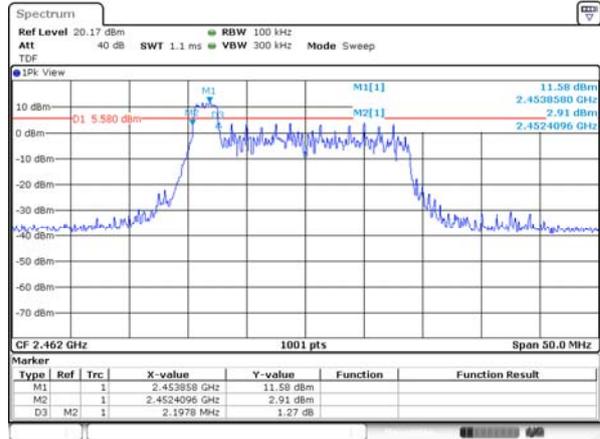
ANT 1

RU offset 0

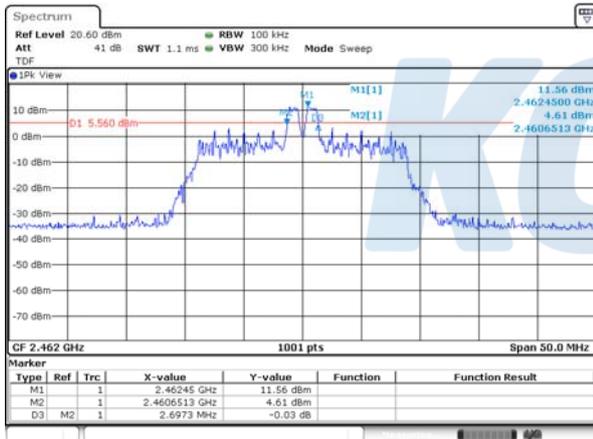


ANT 2

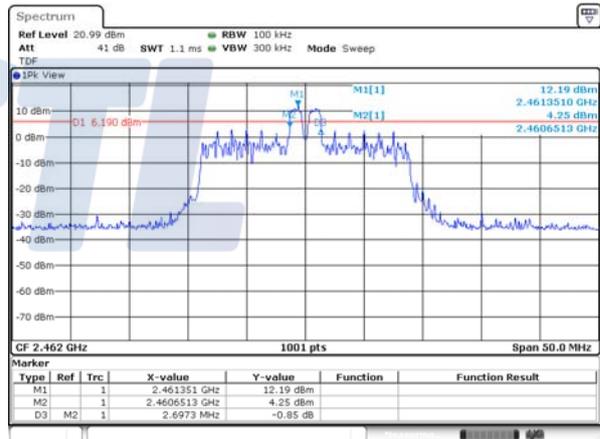
RU offset 0



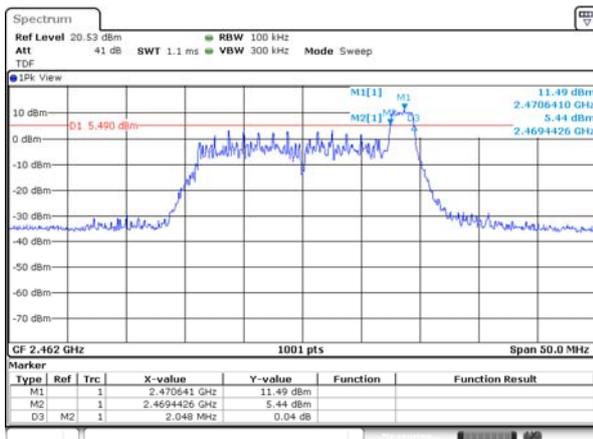
RU offset 4



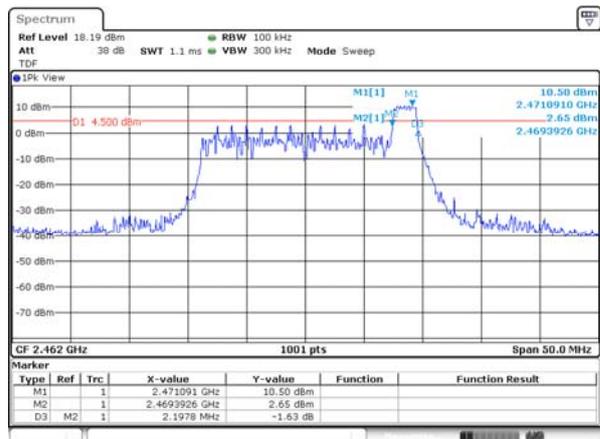
RU offset 4



RU offset 8



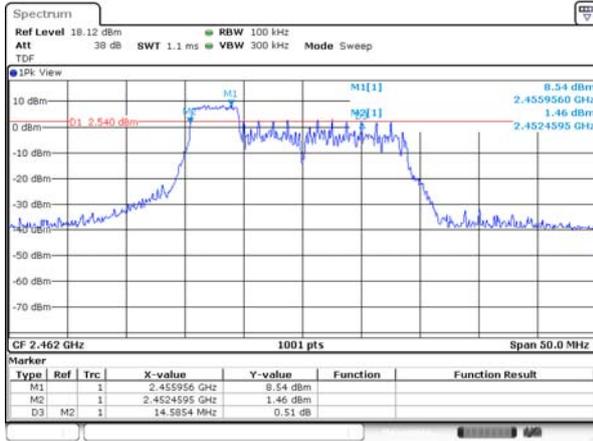
RU offset 8



52T / 2 462 MHz

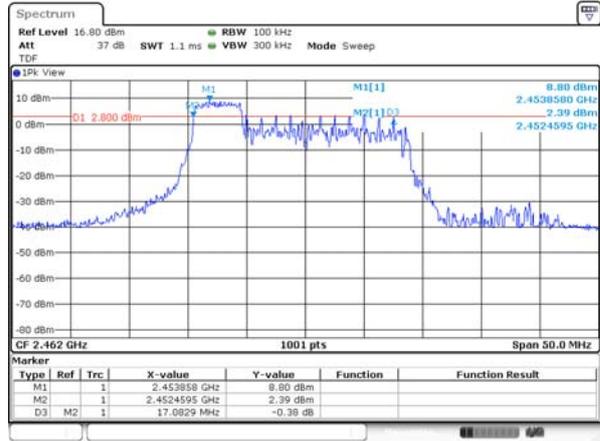
ANT 1

RU offset 37

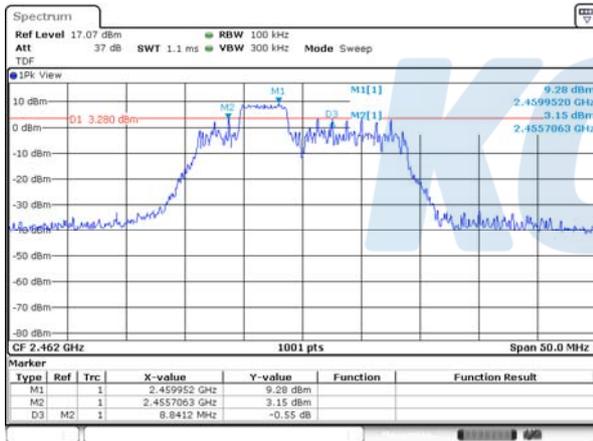


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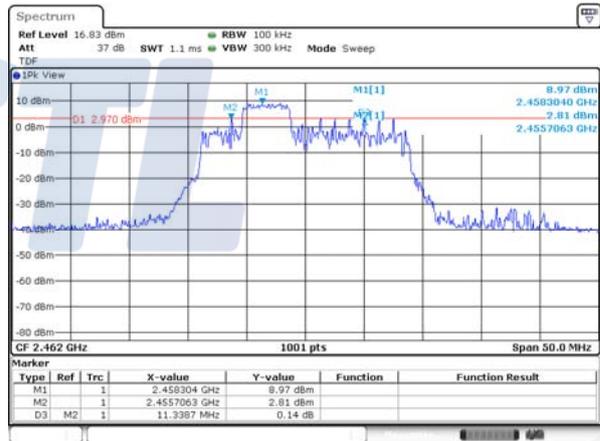
RU offset 37



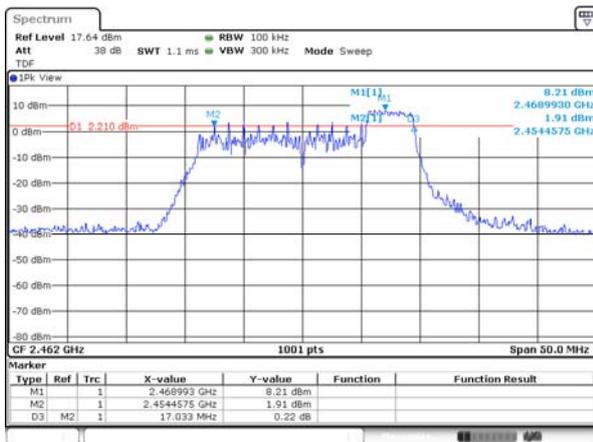
RU offset 38



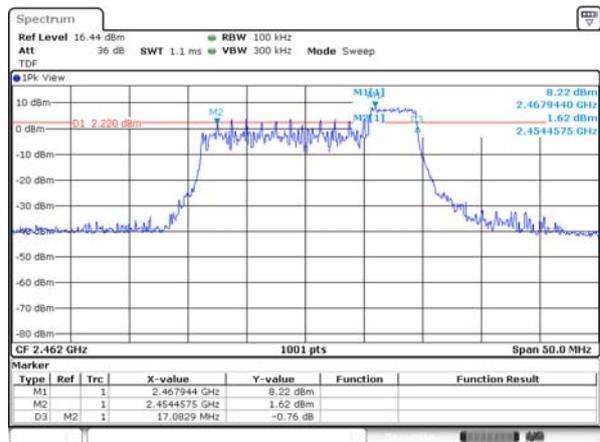
RU offset 38



RU offset 40



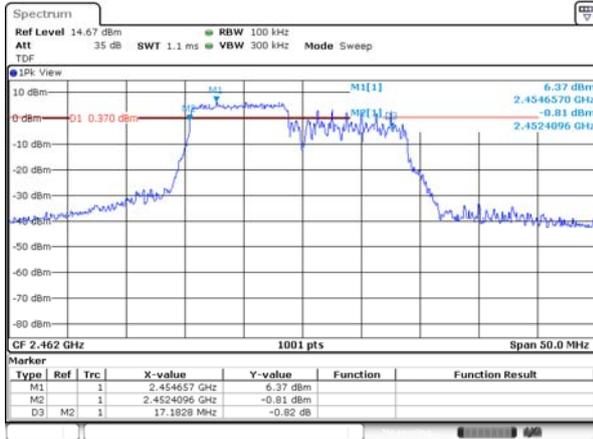
RU offset 40



106T / 2 462 MHz

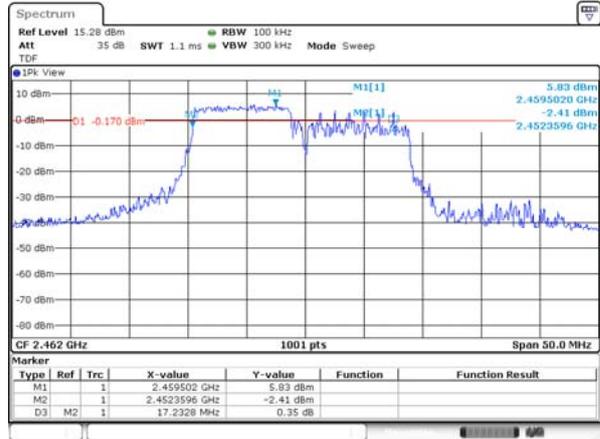
ANT 1

RU offset 53

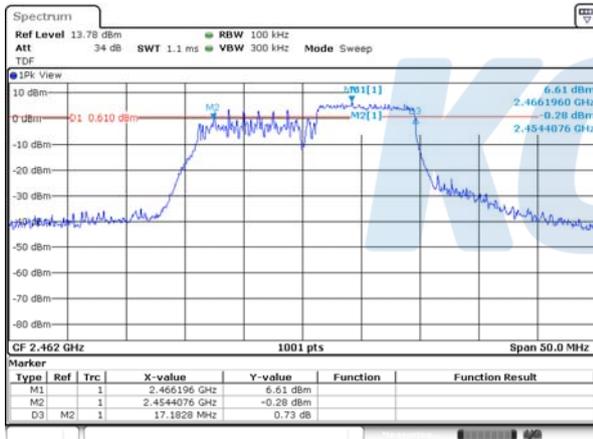


ANT 2

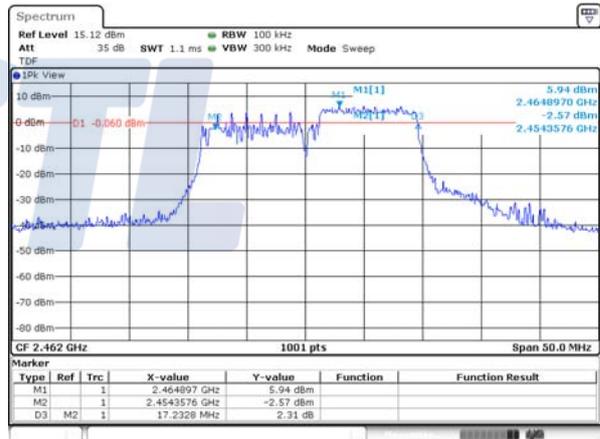
RU offset 53



RU offset 54

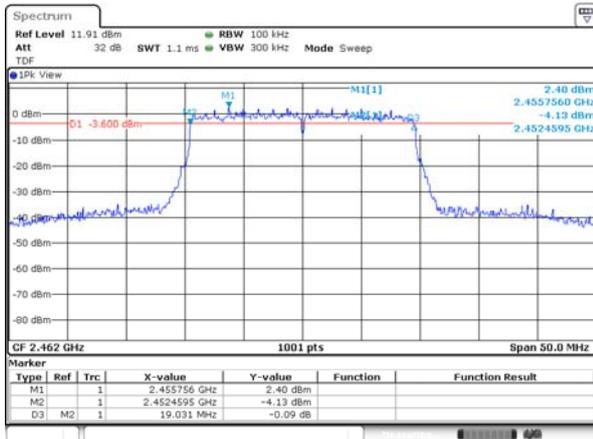


RU offset 54

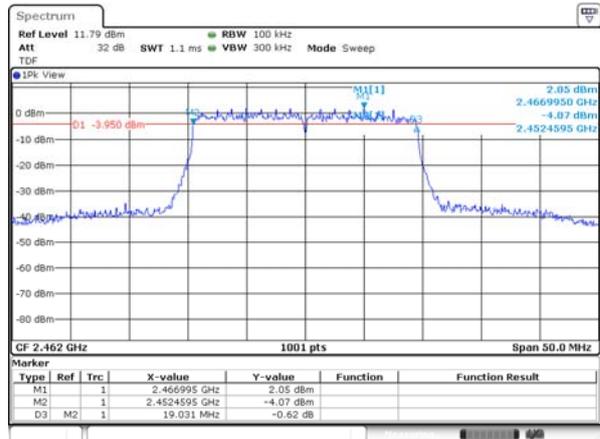


SU / 2 462 MHz

ANT 1



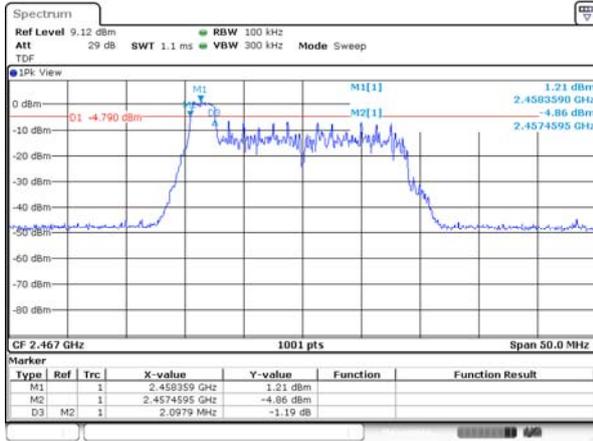
ANT 2



26T / 2 467 MHz

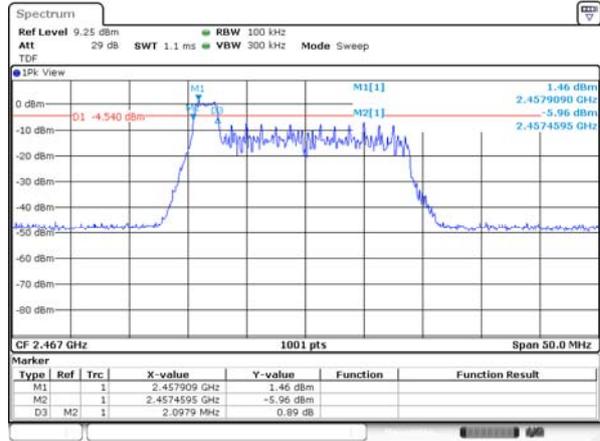
ANT 1

RU offset 0

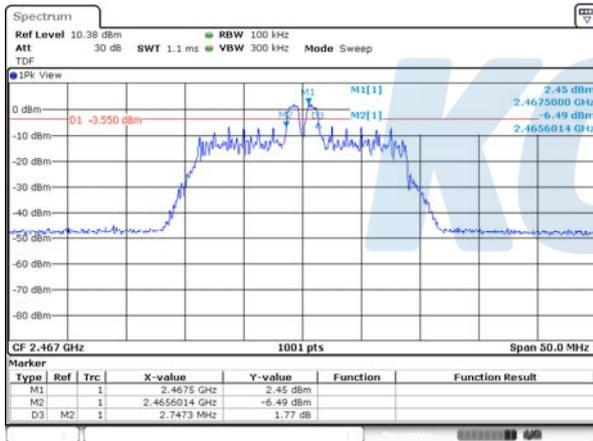


ANT 2

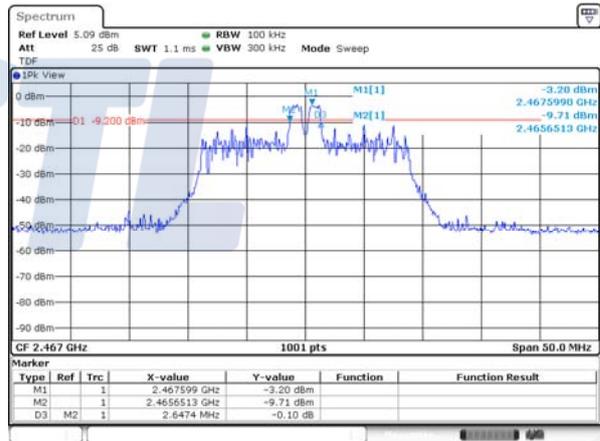
RU offset 0



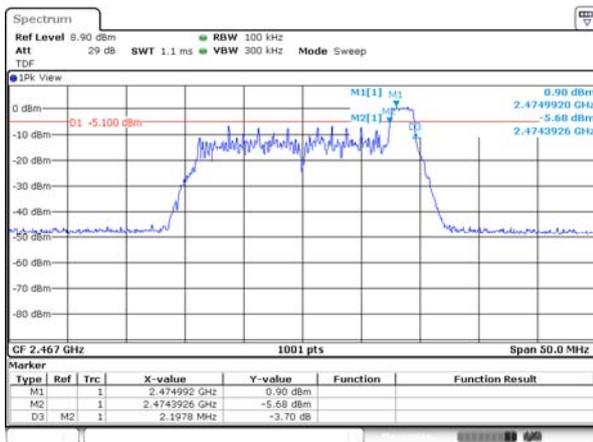
RU offset 4



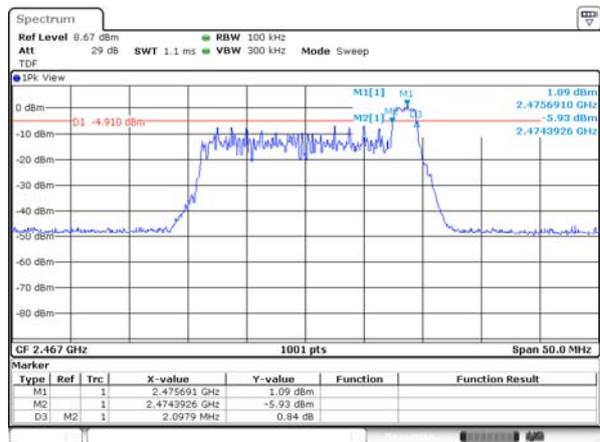
RU offset 4



RU offset 8



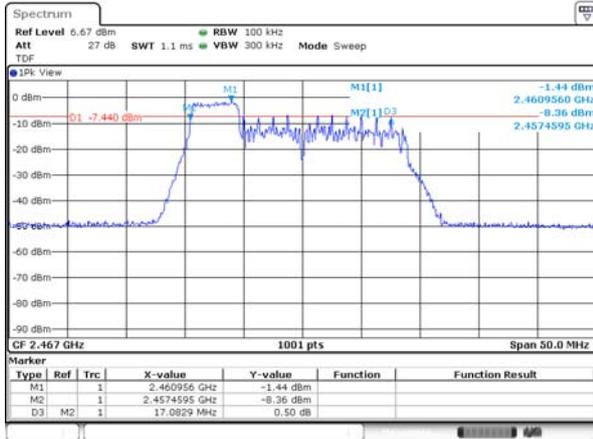
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52T / 2 467 MHz

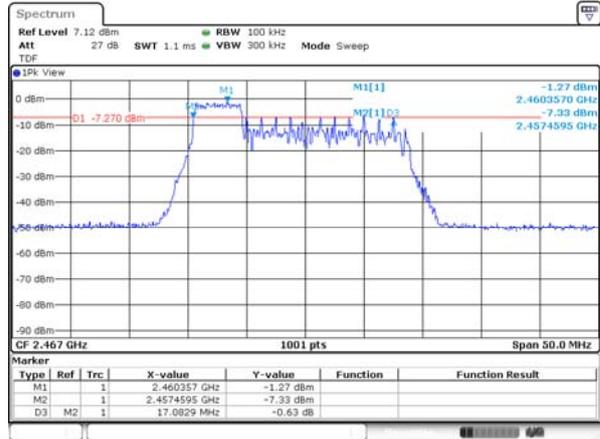
ANT 1

RU offset 37

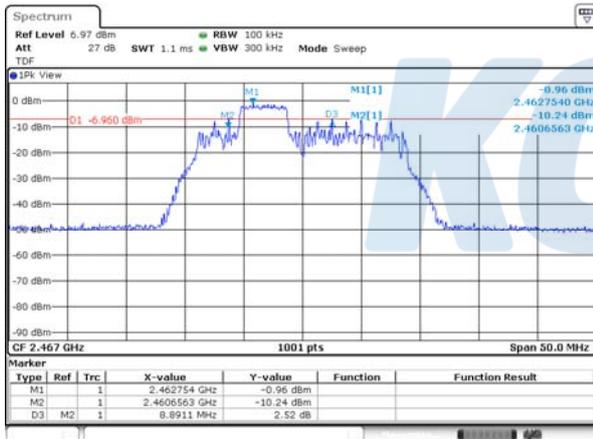


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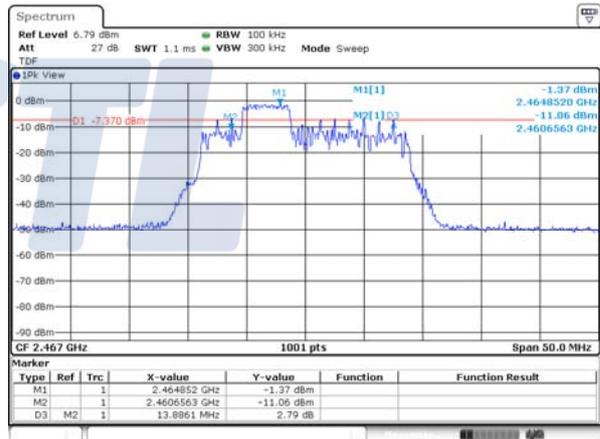
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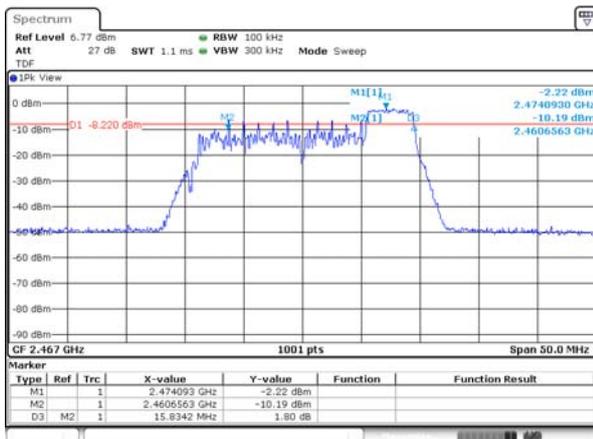
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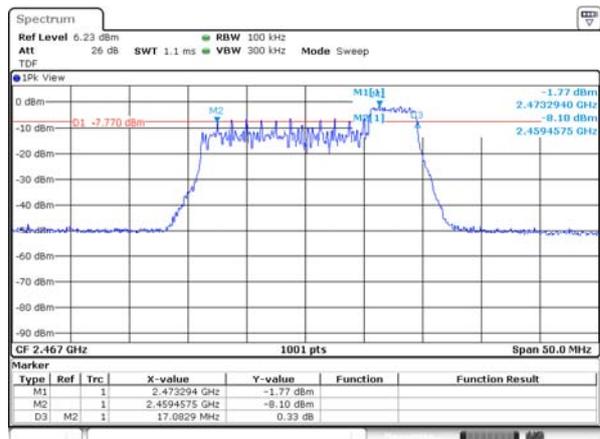
RU offset 38



RU offset 40



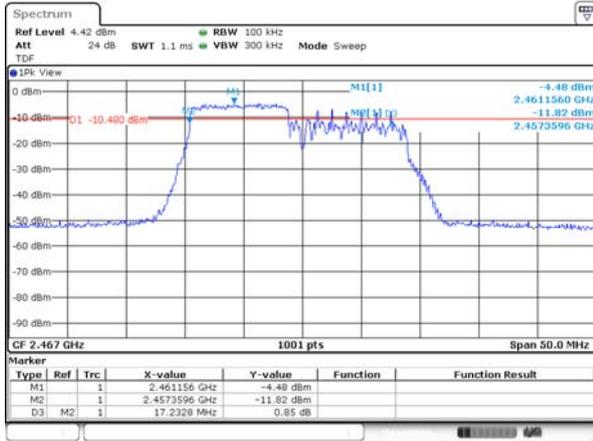
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106T / 2 467 MHz

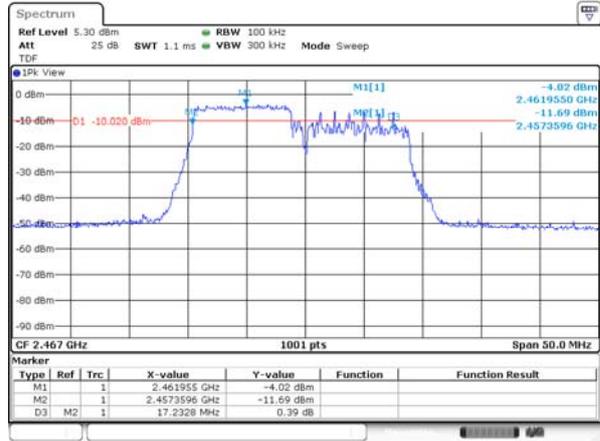
ANT 1

RU offset 53

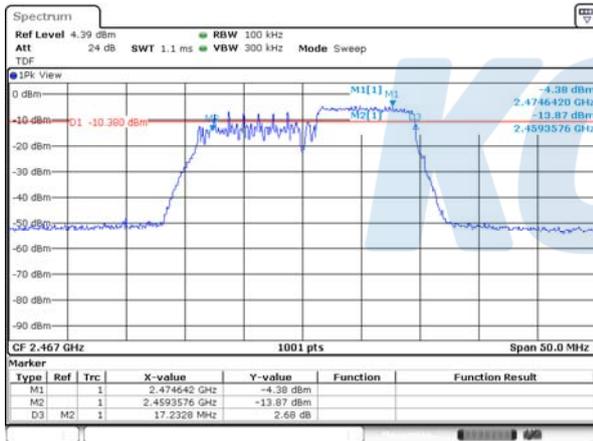


ANT 2

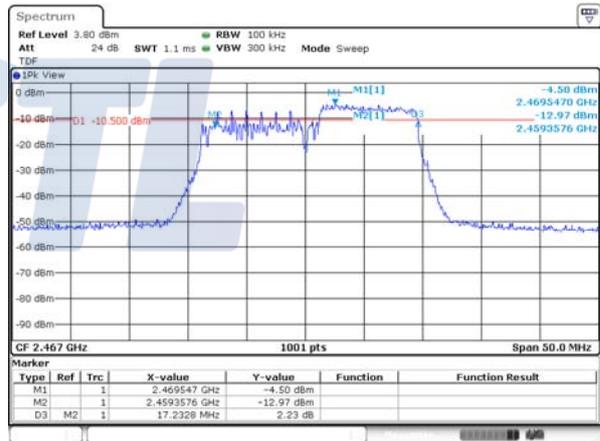
RU offset 53



RU offset 54

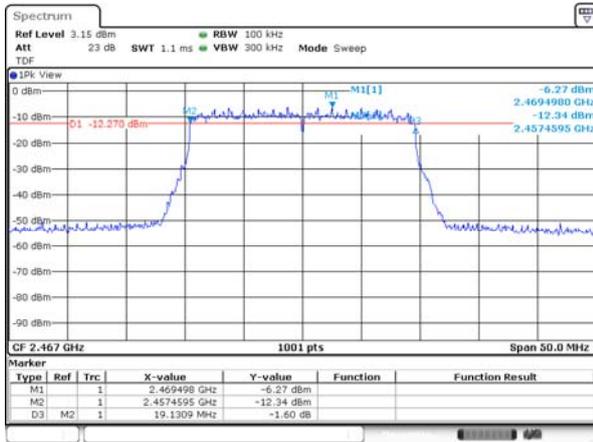


RU offset 54

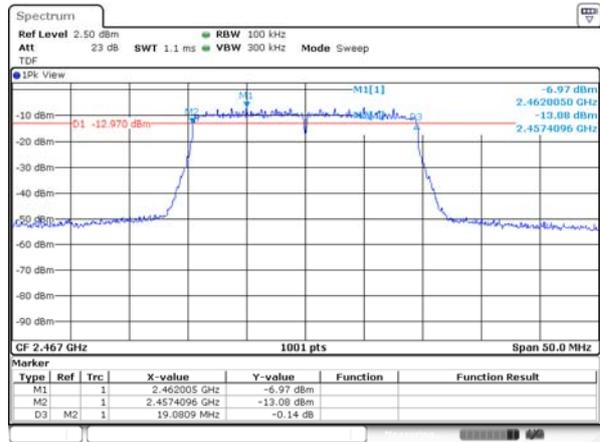


SU / 2 467 MHz

ANT 1



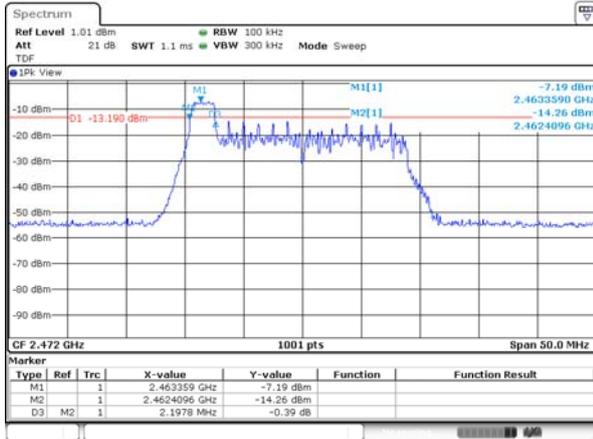
ANT 2



26T / 2 472 MHz

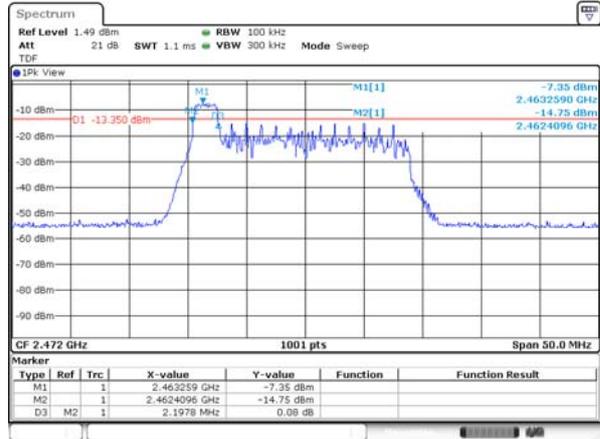
ANT 1

RU offset 0



ANT 2

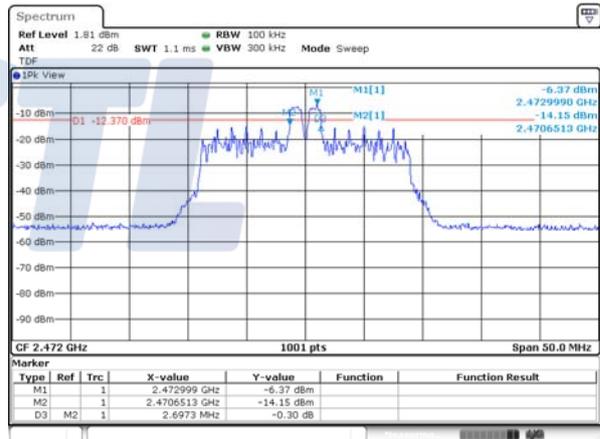
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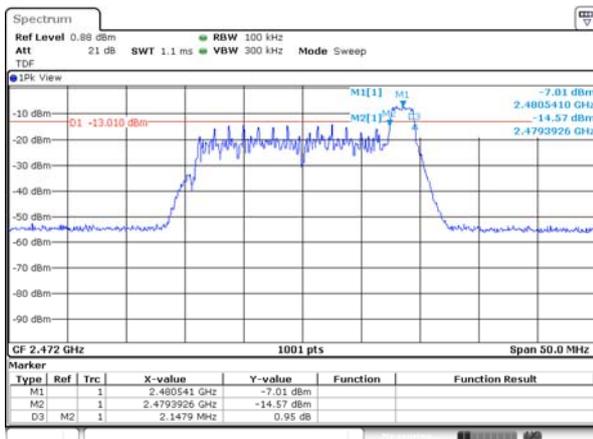
RU offset 4



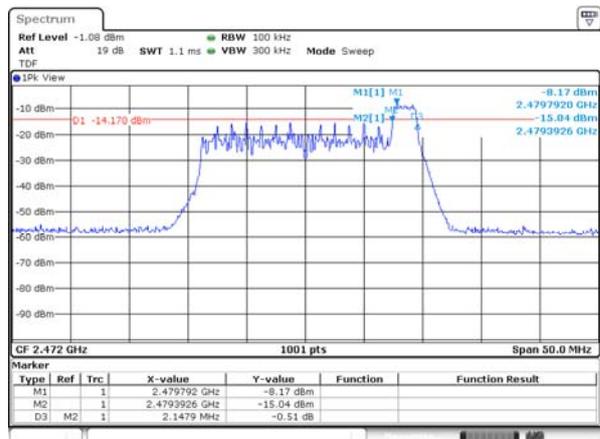
RU offset 4



RU offset 8



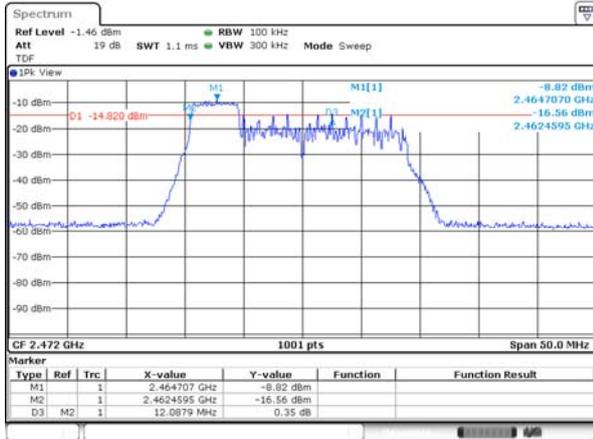
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52T / 2 472 MHz

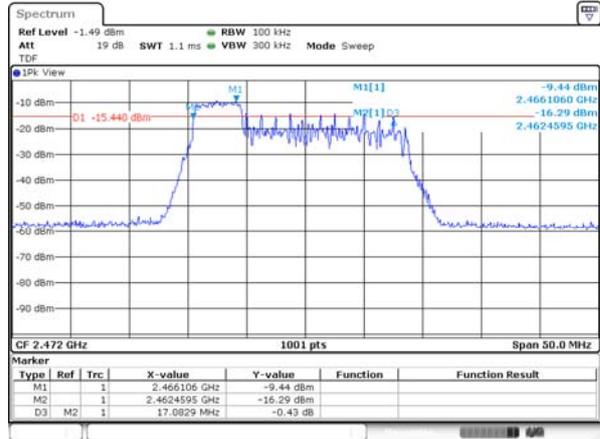
ANT 1

RU offset 37

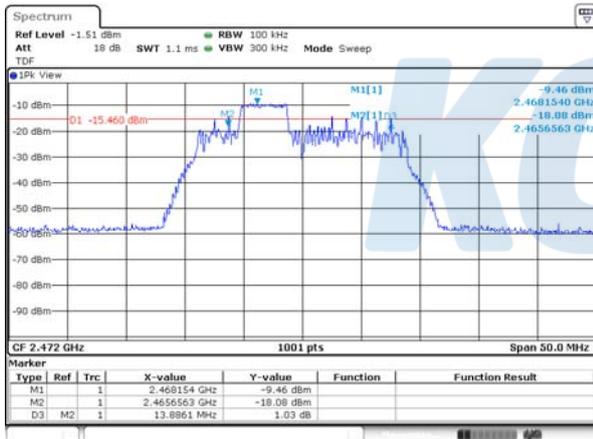


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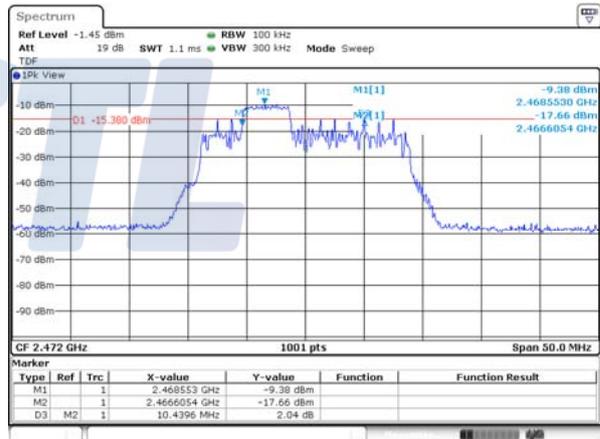
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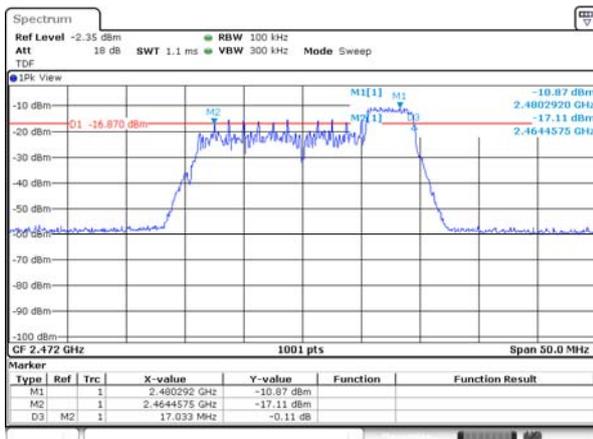
RU offset 38



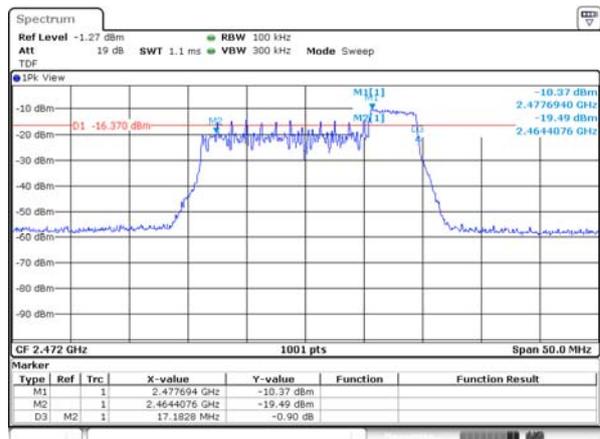
RU offset 38



RU offset 40



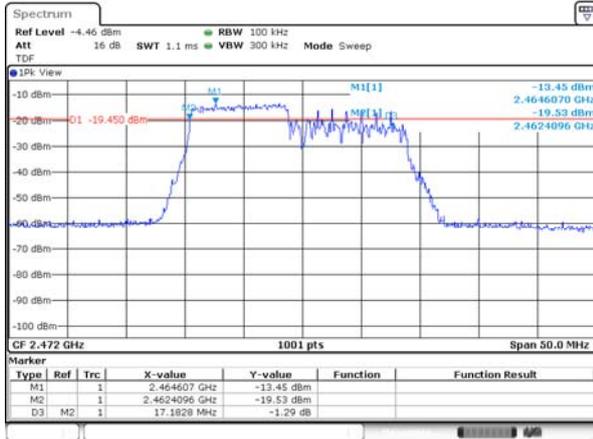
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106T / 2 472 MHz

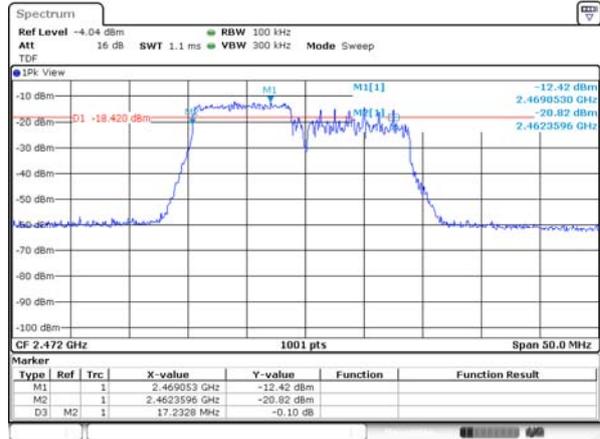
ANT 1

RU offset 53

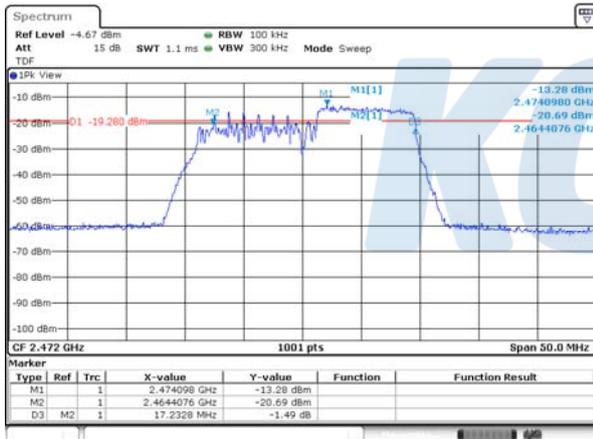


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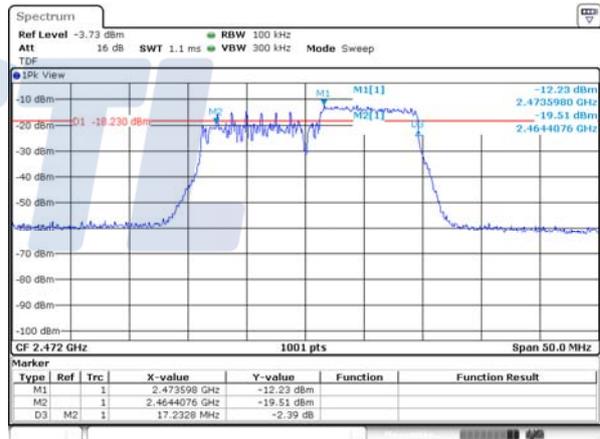
RU offset 53



RU offset 54

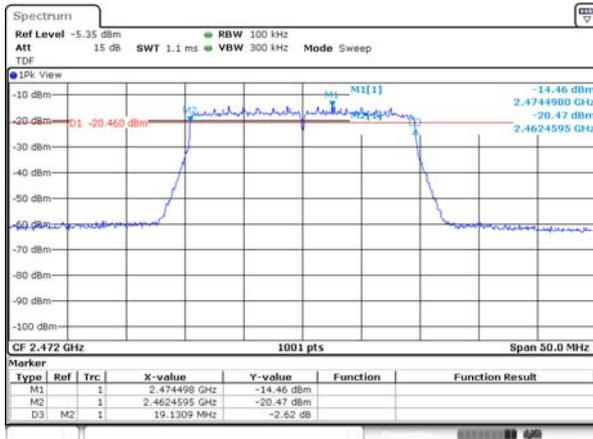


RU offset 54

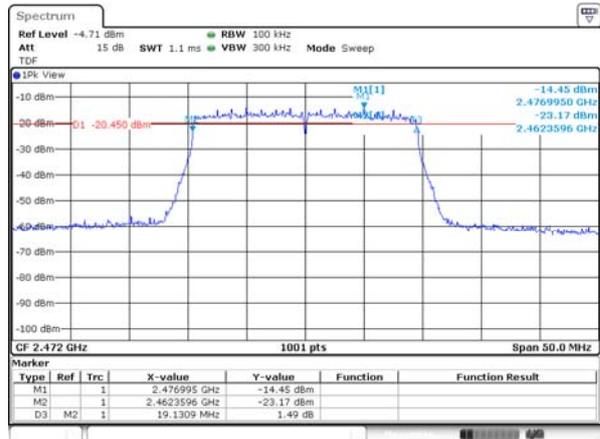


SU / 2 472 MHz

ANT 1



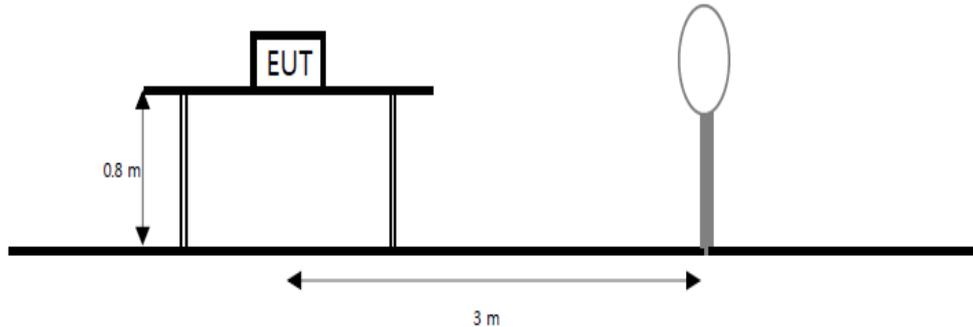
ANT 2



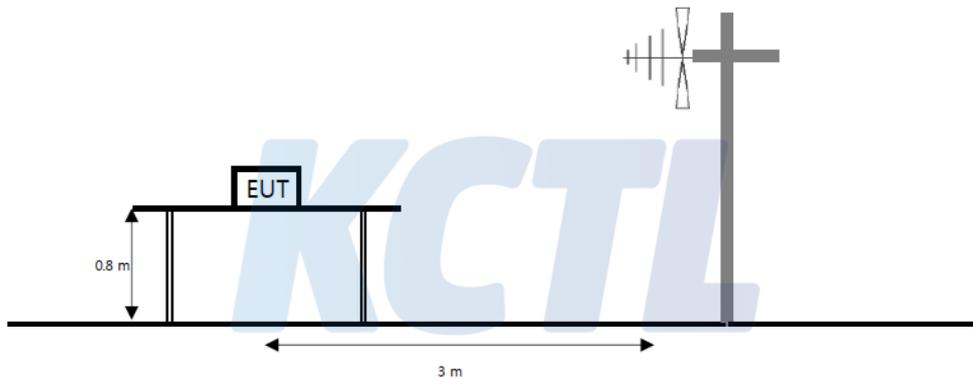
7.4. Spurious Emission, Band Edge and Restricted bands

Test setup

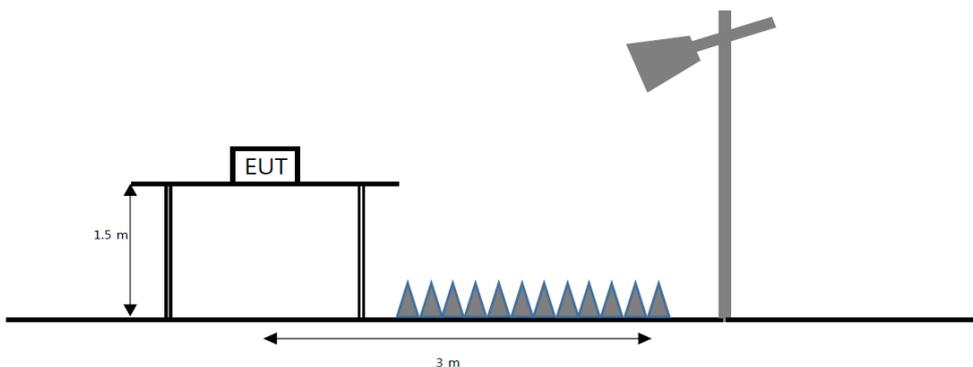
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 kHz to 30 MHz Emissions



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 GHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz emissions, whichever is lower.



Limit

According to section 15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength ($\mu\text{V}/\text{m}$)	Measurement distance (m)
0.009 - 0.490	2 400/F(kHz)	300
0.490 - 1.705	24 000/F(kHz)	30
1.705 - 30	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., Section 15.231 and 15.241.

According to section 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.009 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.694 75 - 16.695 25	608 - 614	5.35 - 5.46
2.173 5 - 2.190 5	16.804 25 - 16.804 75	960 - 1 240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1 300 - 1 427	8.025 - 8.5
4.177 25 - 4.177 75	37.5 - 38.25	1 435 - 1 626.5	9.0 - 9.2
4.207 25 - 4.207 75	73 - 74.6	1 645.5 - 1 646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1 660 - 1 710	10.6 - 12.7
6.267 75 - 6.268 25	108 - 121.94	1 718.8 - 1 722.2	13.25 - 13.4
6.311 75 - 6.312 25	123 - 138	2 200 - 2 300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2 310 - 2 390	15.35 - 16.2
8.362 - 8.366	156.524 75 - 156.525	2 483.5 - 2 500	17.7 - 21.4
8.376 25 - 8.386 75	25	2 690 - 2 900	22.01 - 23.12
8.414 25 - 8.414 75	156.7 - 156.9	3 260 - 3 267	23.6 - 24.0
12.29 - 12.293	162.012 5 - 167.17	3 332 - 3 339	31.2 - 31.8
12.519 75 - 12.520 25	167.72 - 173.2	3 345.8 - 3 358	36.43 - 36.5
12.576 75 - 12.577 25	240 - 285	3 600 - 4 400	Above 38.6
13.36 - 13.41	322 - 335.4		

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in section 15.209. At frequencies equal to or less than 1 000 MHz, compliance with the limits in section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1 000 MHz, compliance with the emission limits in section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in section 15.35 apply to these measurements.

Test procedure

ANSI C63.10-2013

Test settings**Peak field strength measurements**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in table
3. VBW \geq (3 \times RBW)
4. Detector = peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow sweeps to continue until the trace stabilizes

Table. RBW as a function of frequency

Frequency	RBW
9 kHz to 150 kHz	200 Hz to 300 Hz
0.15 MHz to 30 MHz	9 kHz to 10 kHz
30 MHz to 1 000 MHz	100 kHz to 120 kHz
> 1 000 MHz	1 MHz

Average field strength measurements**Trace averaging with continuous EUT transmission at full power**

If the EUT can be configured or modified to transmit continuously (D \geq 98%), then the average emission levels shall be measured using the following method (with EUT transmitting continuously):

1. RBW = 1 MHz (unless otherwise specified).
2. VBW \geq (3 \times RBW).
3. Detector = RMS (power averaging), if [span / (# of points in sweep)] \leq (RBW / 2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
4. Averaging type = power (i.e., rms):
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
5. Sweep time = auto.
6. Perform a trace average of at least 100 traces.

Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (D \geq 98%) cannot be achieved and the duty cycle is constant (duty cycle variations are less than $\pm 2\%$), then the following procedure shall be used:

1. The EUT shall be configured to operate at the maximum achievable duty cycle.
2. Measure the duty cycle D of the transmitter output signal as described in 11.6.
3. RBW = 1 MHz (unless otherwise specified).
4. VBW \geq [3 \times RBW].
5. Detector = RMS (power averaging), if [span / (# of points in sweep)] \leq (RBW / 2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

6. Averaging type = power (i.e., rms):
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
7. Sweep time = auto.
8. Perform a trace average of at least 100 traces.
9. A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (rms) mode was used in step f), then the applicable correction factor is $[10 \log (1 / D)]$, where D is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $[20 \log (1 / D)]$, where D is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Notes:

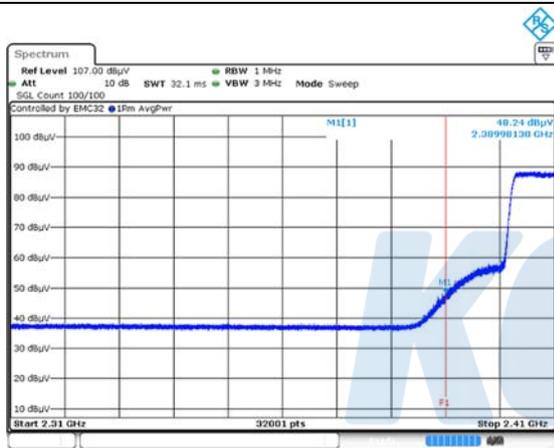
1. $f < 30$ MHz, extrapolation factor of 40 dB/decade of distance. $F_d = 40 \log(D_m/D_s)$
 $f \geq 30$ MHz, extrapolation factor of 20 dB/decade of distance. $F_d = 20 \log(D_m/D_s)$
Where:
 - F_d = Distance factor in dB
 - D_m = Measurement distance in meters
 - D_s = Specification distance in meters
2. Factors(dB) = Antenna factor(dB/m) + Cable loss(dB) + or Amp. gain(dB) + or F_d (dB)
3. The worst-case emissions are reported however emissions whose levels were not within 20 dB of respective limits were not reported.
4. Average test would be performed if the peak result were greater than the average limit.
5. ¹⁾ means restricted band.
6. For the Harmonics and Spurious Emissions, it was tested at the RU allocation with actual highest power and RU allocation with actual highest PSD for channel
7. For test below 1 000 MHz, please refer to test report #KR20-SRF0209_03436_Samsung Electronics_SM-T575_WiFi (P15.247).

Test results (Above 1 000 MHz)

SISO ANT 1 Restricted Band edge
802.11ax_HE20 SU mode/ 2 412 MHz

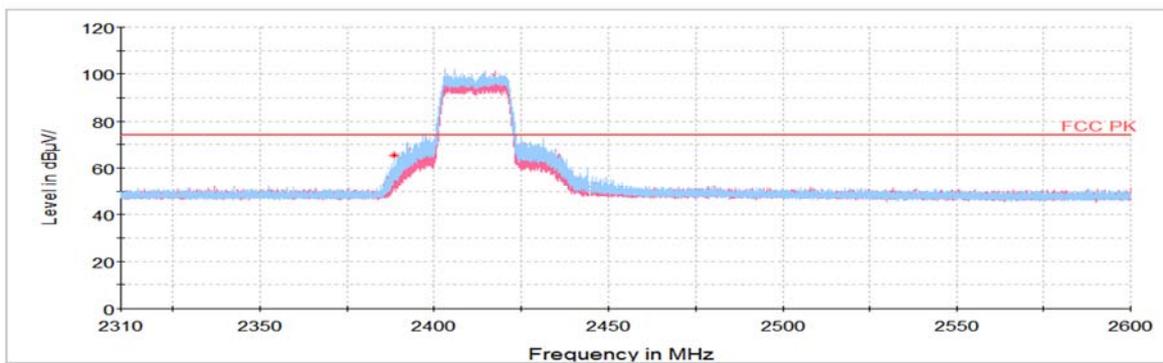
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.98 ¹⁾	H	62.59	31.88	-29.04	-	65.43	74.00	8.57
Average Data								
2 389.98 ¹⁾	H	48.24	31.88	-29.04	0.49	51.57	54.00	2.43

Average data



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Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 26T / RU offset 0) / 2 412 MHz

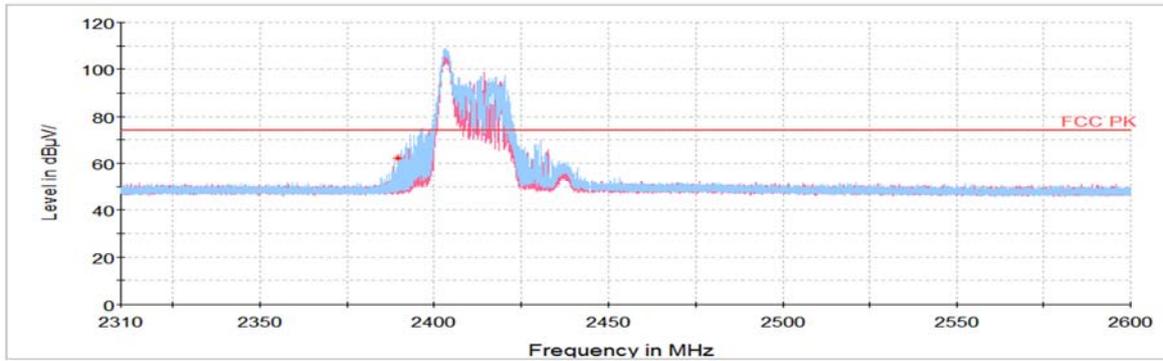
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.28 ¹⁾	H	59.21	31.88	-29.04	-	62.05	74.00	11.95
Average Data								
2 389.28 ¹⁾	H	43.13	31.88	-29.04	0.10	46.07	54.00	7.93

Average data



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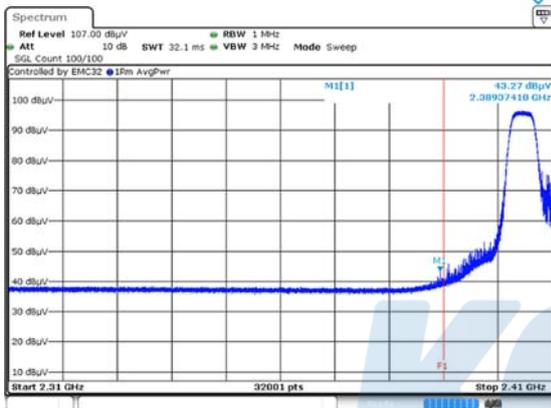
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 52T / RU offset 37) / 2 412 MHz

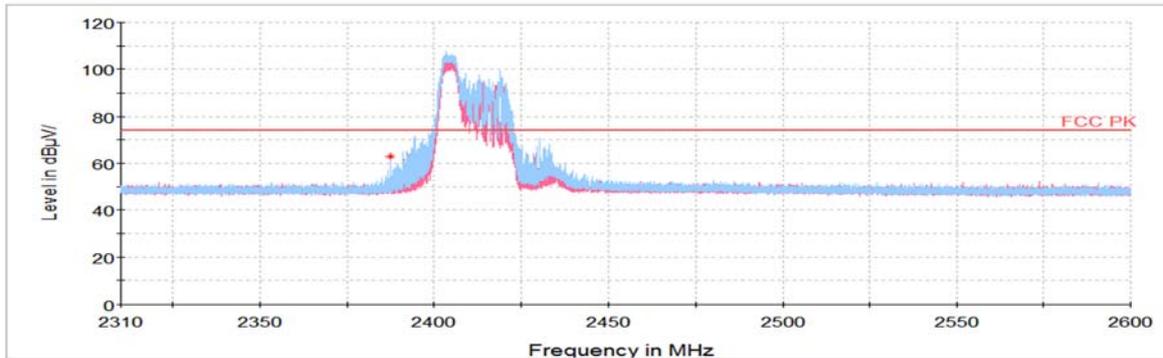
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.37 ¹⁾	H	60.13	31.88	-29.04	-	62.97	74.00	11.03
Average Data								
2 389.37 ¹⁾	H	43.27	31.88	-29.04	0.20	46.31	54.00	7.69

Average data



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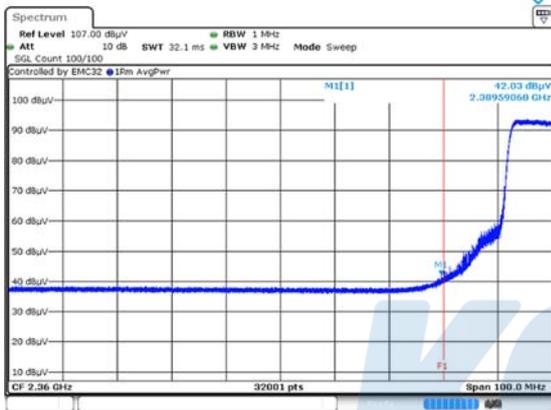
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 106T / RU offset 53) / 2 412 MHz

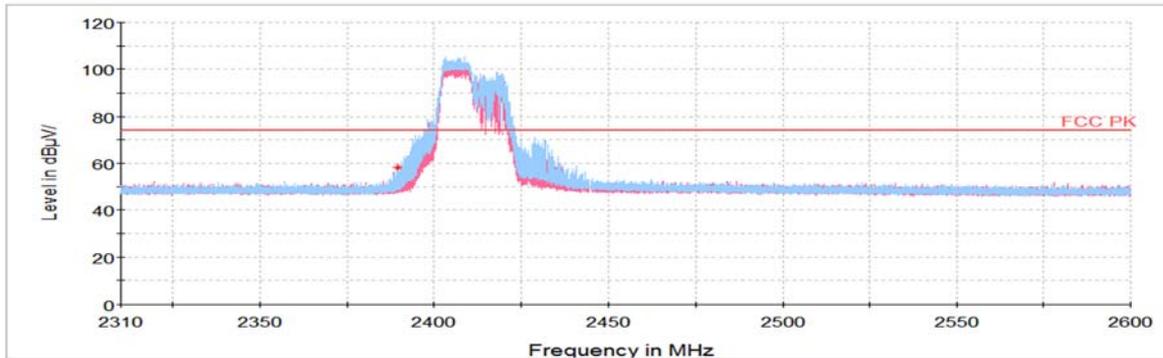
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.73 ¹⁾	H	55.35	31.88	-29.04	-	58.19	74.00	15.81
Average Data								
2 389.59 ¹⁾	H	42.03	31.88	-29.04	0.26	45.13	54.00	8.87

Average data



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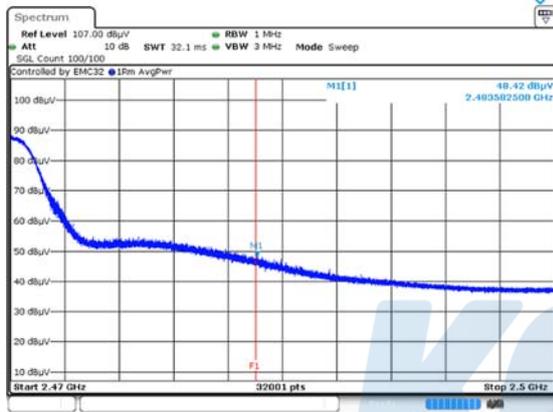
Horizontal/Vertical for Band-edge



802.11ax_HE20 SU mode / 2 462 MHz

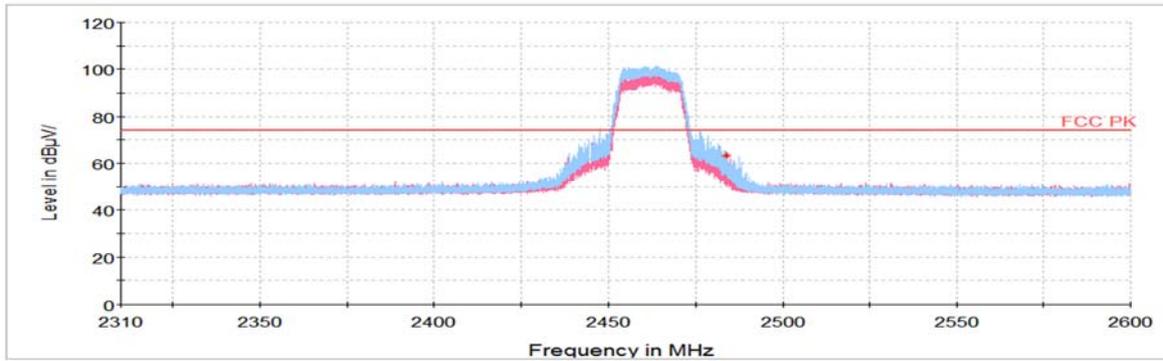
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.58 ¹⁾	H	60.32	32.07	-29.21	-	63.18	74.00	10.82
Average Data								
2 483.58 ¹⁾	H	48.42	32.07	-29.21	0.49	51.77	54.00	2.23

Average data



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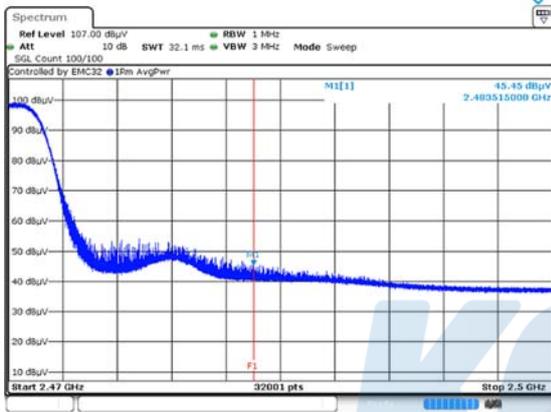
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 462 MHz

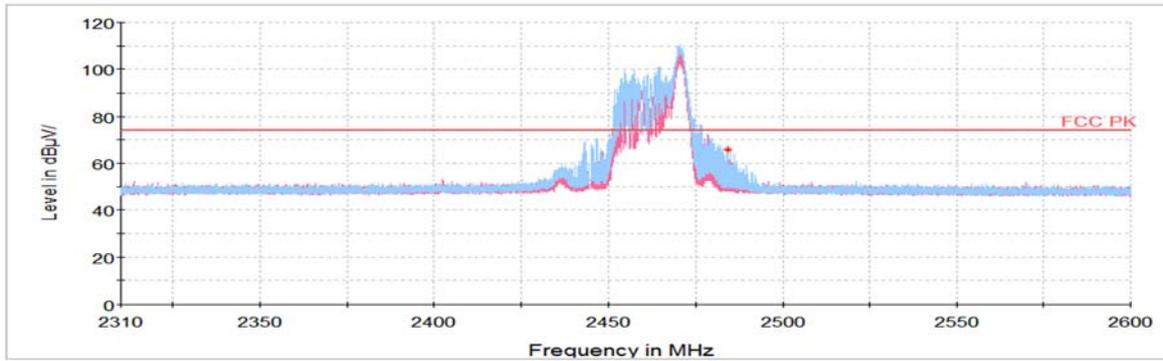
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.52 ¹⁾	H	62.98	32.07	-29.21	-	65.84	74.00	8.16
Average Data								
2 483.52 ¹⁾	H	45.45	32.07	-29.21	0.10	48.41	54.00	5.59

Average data



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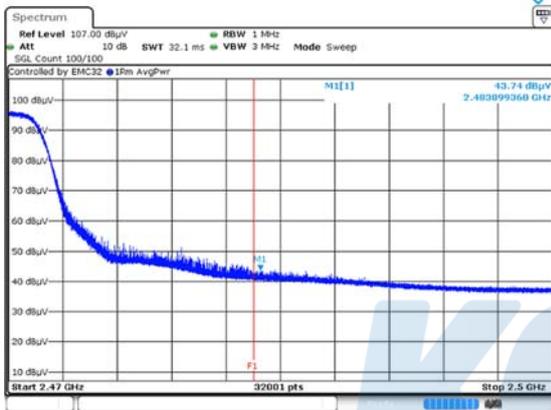
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 52T / RU offset 40) / 2 462 MHz

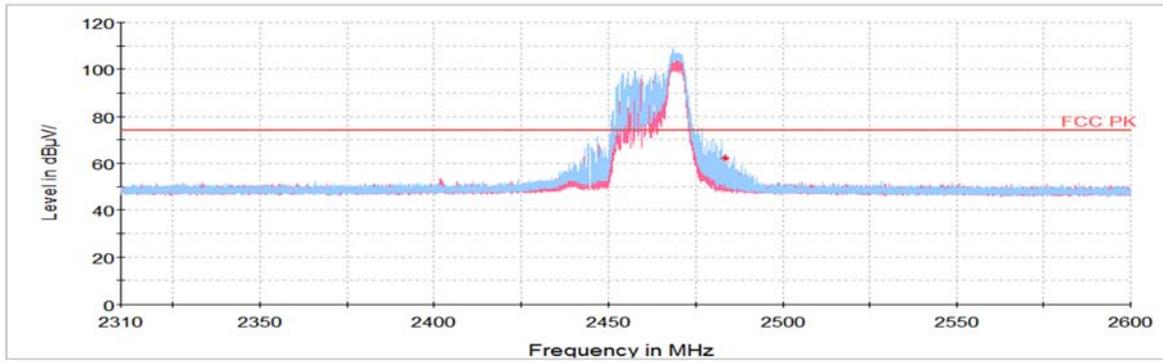
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.90 ¹⁾	H	59.44	32.07	-29.21	-	62.30	74.00	11.70
Average Data								
2 483.90 ¹⁾	H	43.74	32.07	-29.21	0.20	46.80	54.00	7.20

Average data



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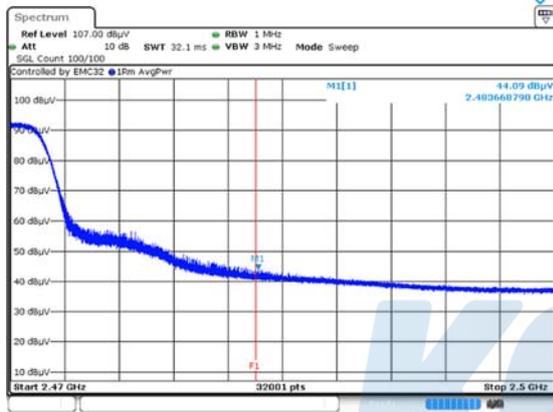
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 106T / RU offset 54) / 2 462 MHz

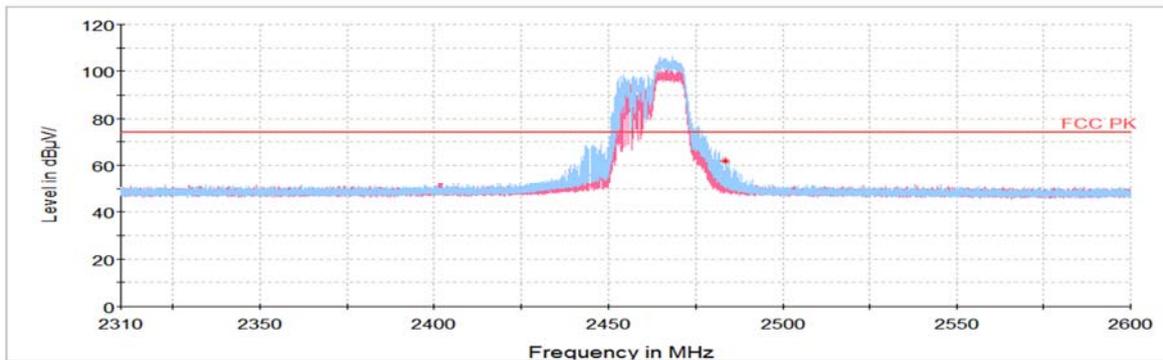
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.63 ¹⁾	H	58.96	32.07	-29.21	-	61.82	74.00	12.18
Average Data								
2 483.67 ¹⁾	H	44.09	32.07	-29.21	0.26	47.21	54.00	6.79

Average data



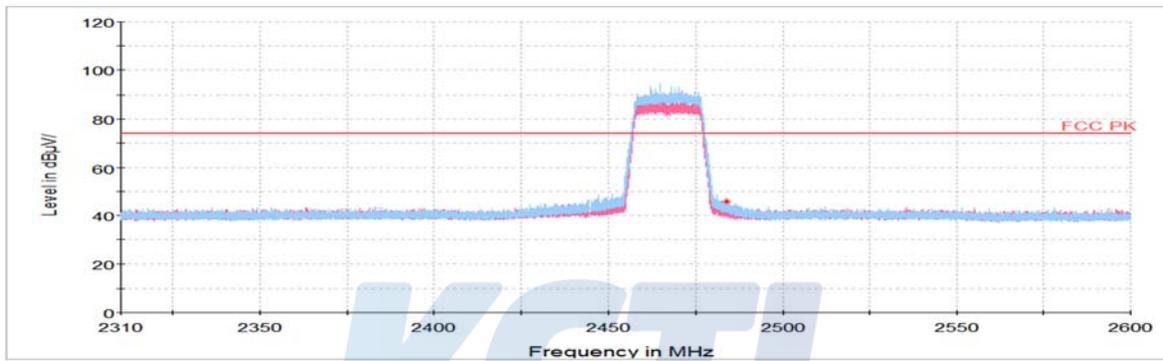
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Horizontal/Vertical for Band-edge



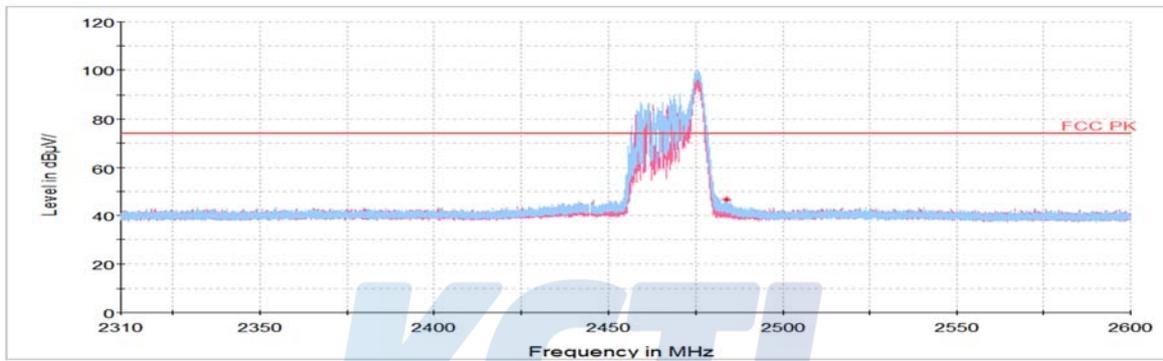
802.11ax_HE20 SU mode / 2 467 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
2 483.79 ¹⁾	H	42.78	32.07	-29.21	-	45.64	74.00	28.36
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

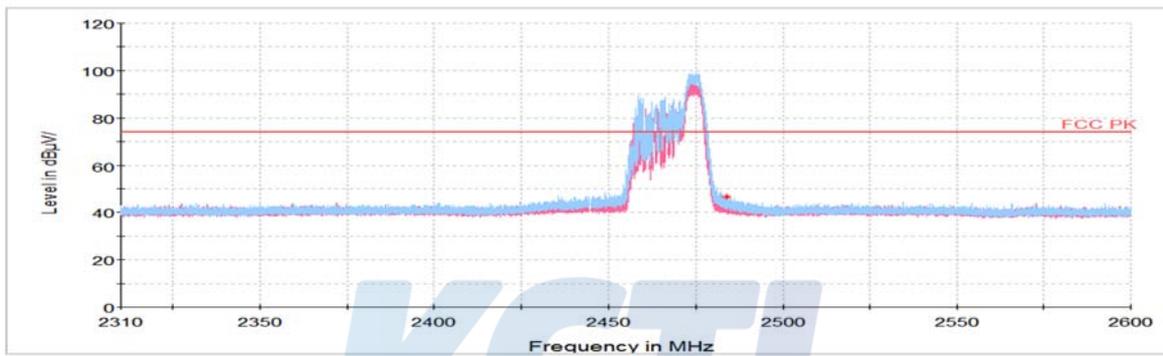
802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 483.79 ¹⁾	H	43.72	32.07	-29.21	-	46.58	74.00	27.42
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

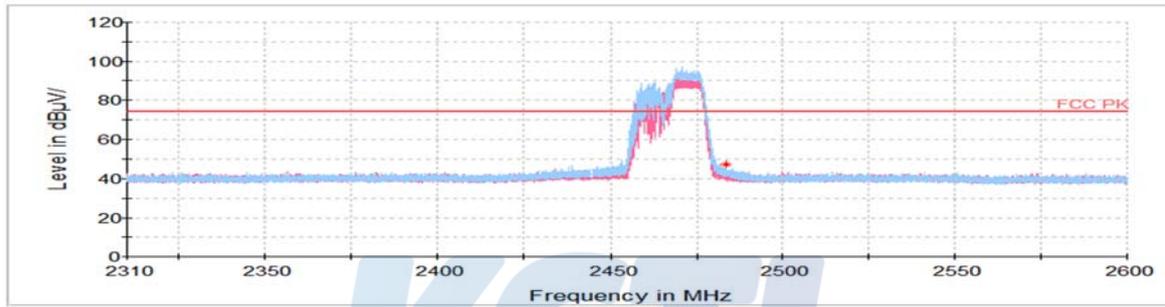
802.11ax_RU mode(HE 20 / 52T / RU offset 40) / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 483.50 ¹⁾	H	43.58	32.07	-29.21	-	46.44	74.00	27.56
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

802.11ax_RU mode(HE 20 / 106T / RU offset 54) / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 483.73 ¹⁾	H	44.28	32.07	-29.21	-	47.14	74.00	26.86
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

802.11ax_HE20 SU mode / 2 472 MHz

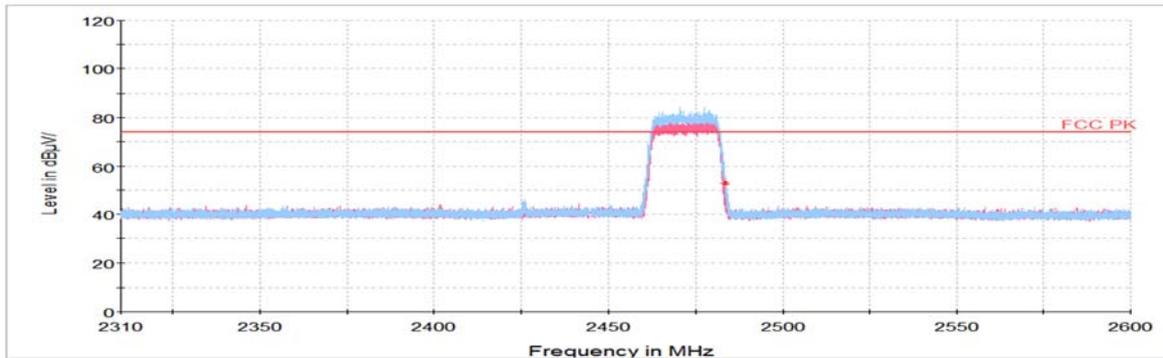
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.50 ¹⁾	H	49.79	32.07	-29.21	-	52.65	74.00	21.35
Average Data								
2 483.50 ¹⁾	H	35.87	32.07	-29.21	0.49	39.22	54.00	14.78

Average data



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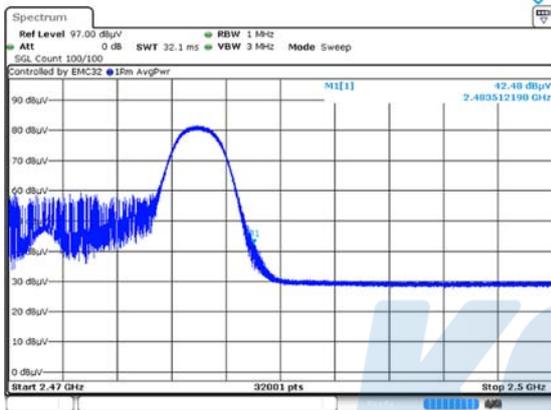
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 472 MHz

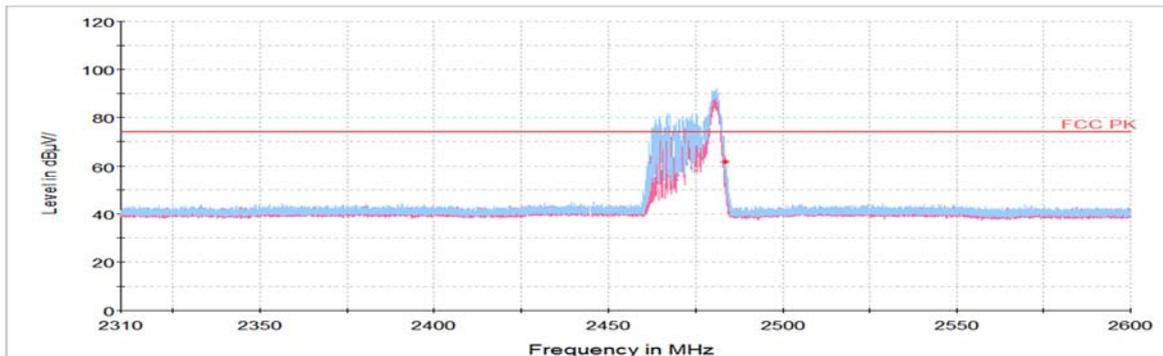
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.51 ¹⁾	H	58.69	32.07	-29.21	-	61.55	74.00	12.45
Average Data								
2 483.51 ¹⁾	H	42.48	32.07	-29.21	0.10	45.44	54.00	8.56

Average data



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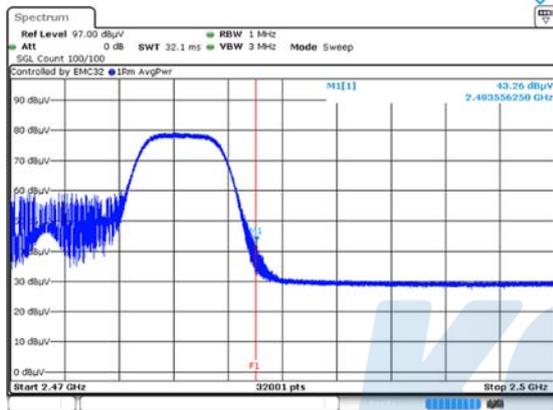
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 52T / RU offset 40) / 2 472 MHz

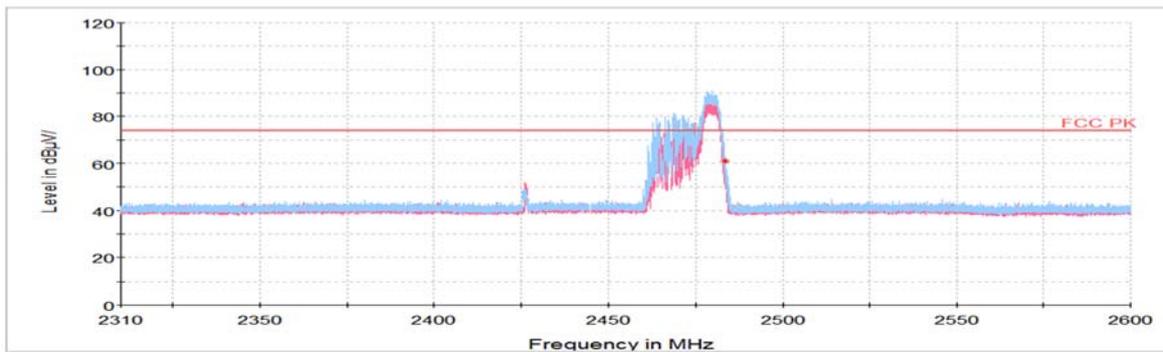
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.56 ¹⁾	H	58.16	32.07	-29.21	-	61.02	74.00	12.98
Average Data								
2 483.56 ¹⁾	H	43.26	32.07	-29.21	0.20	46.32	54.00	7.68

Average data



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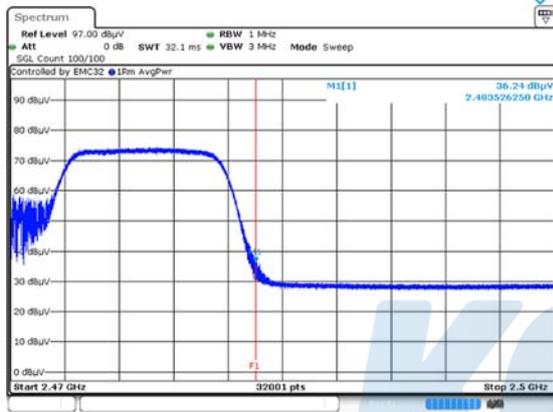
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 106T / RU offset 54) / 2 472 MHz

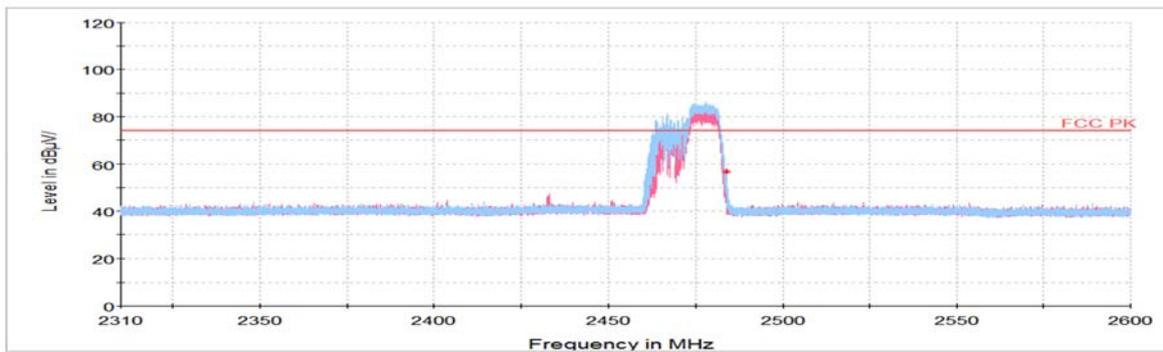
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.70 ¹⁾	H	53.64	32.07	-29.21	-	56.50	74.00	17.50
Average Data								
2 483.53 ¹⁾	H	36.24	32.07	-29.21	0.26	39.36	54.00	14.64

Average data



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Horizontal/Vertical for Band-edge



SISO ANT 1 Harmonics and Spurious Emissions

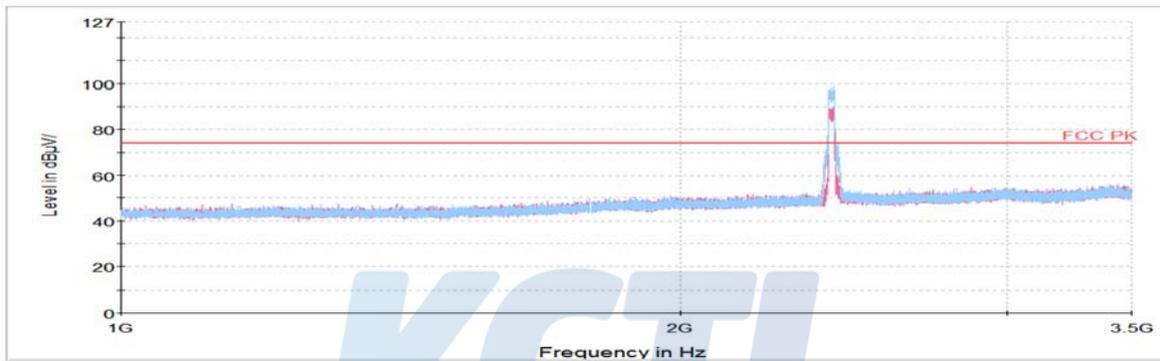
802.11ax_HE20 SU mode / 2 412 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 841.25 ¹⁾	V	61.72	33.94	-54.07	-	41.59	74.00	32.41
16 573.11	H	56.09	41.57	-45.75	-	51.91	74.00	22.09

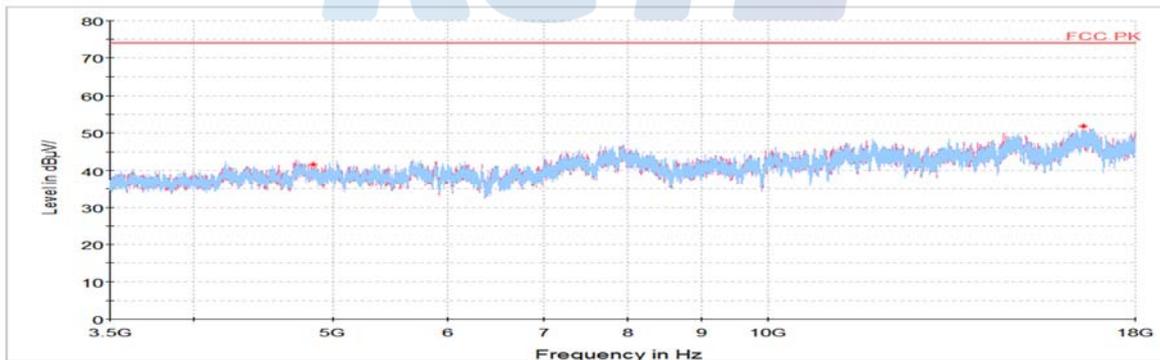
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



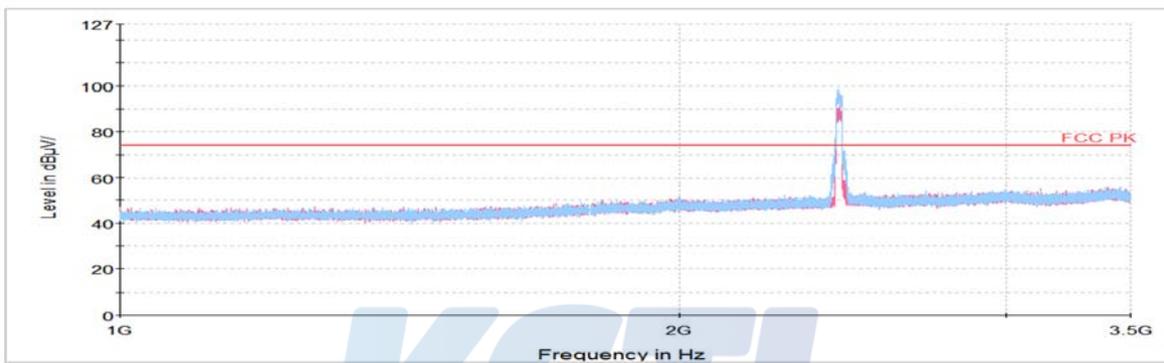
802.11ax_HE20 SU mode / 2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 853.48 ¹⁾	H	62.17	33.94	-54.42	-	41.69	74.00	32.31
16 578.09	V	55.70	41.58	-45.77	-	51.51	74.00	22.49

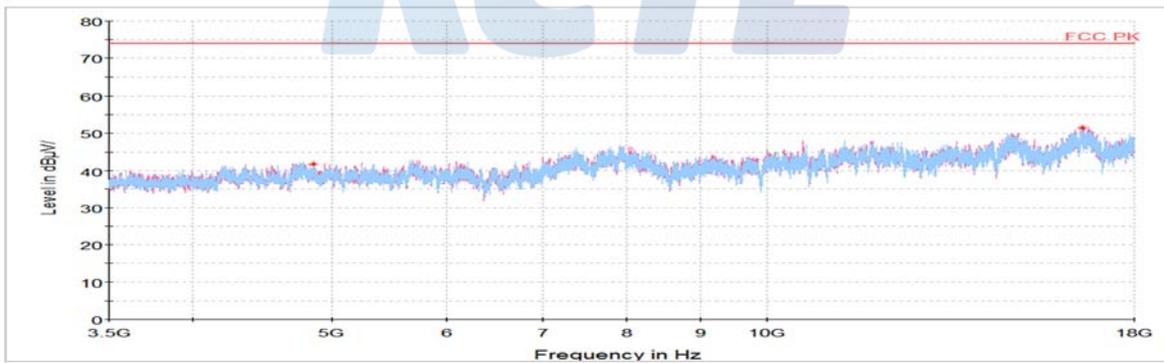
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



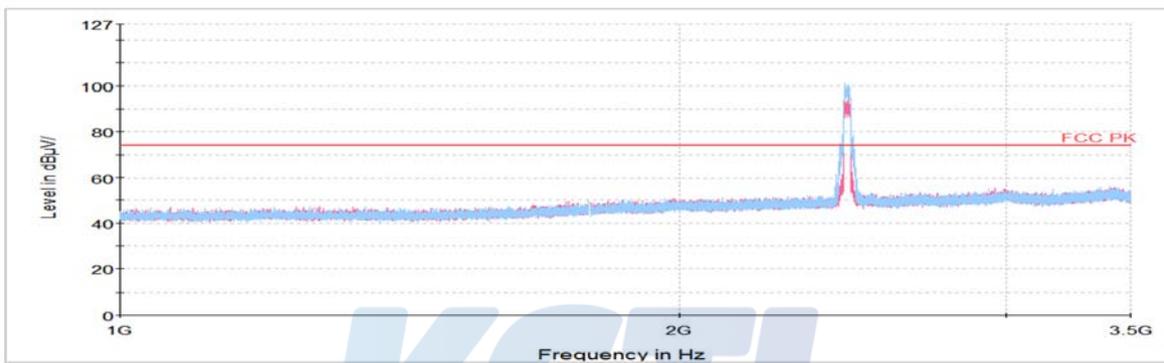
802.11ax_HE20 SU mode / 2 462 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 855.30 ¹⁾	V	62.80	33.94	-54.47	-	42.27	74.00	31.73
16 565.86	V	55.83	41.57	-45.73	-	51.67	74.00	22.33

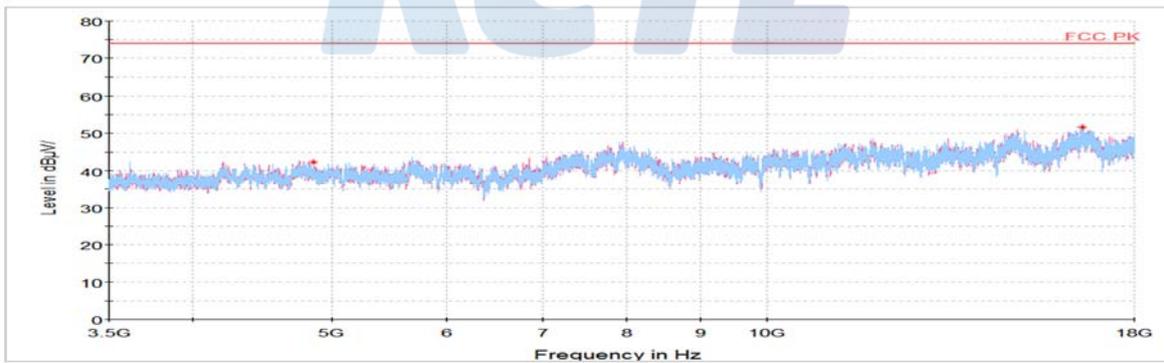
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



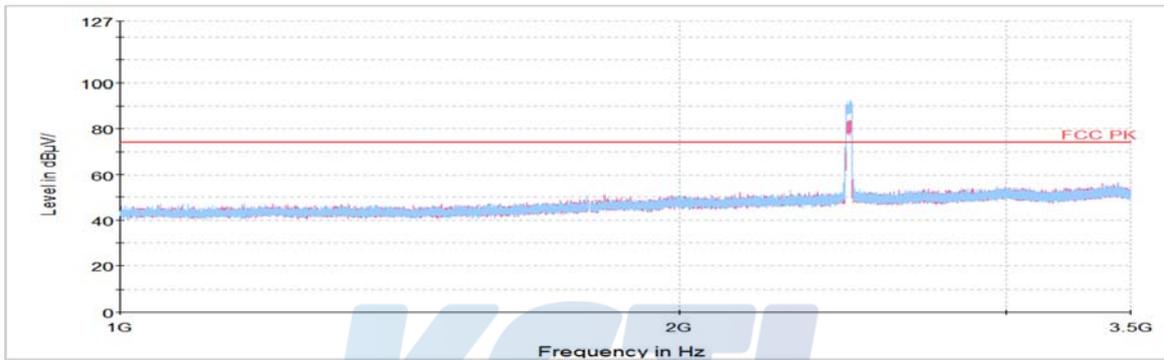
802.11ax_HE20 SU mode / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 959.97 ¹⁾	H	62.63	33.98	-54.66	-	41.95	74.00	32.05
16 589.42	V	56.04	41.59	-45.81	-	51.82	74.00	22.18

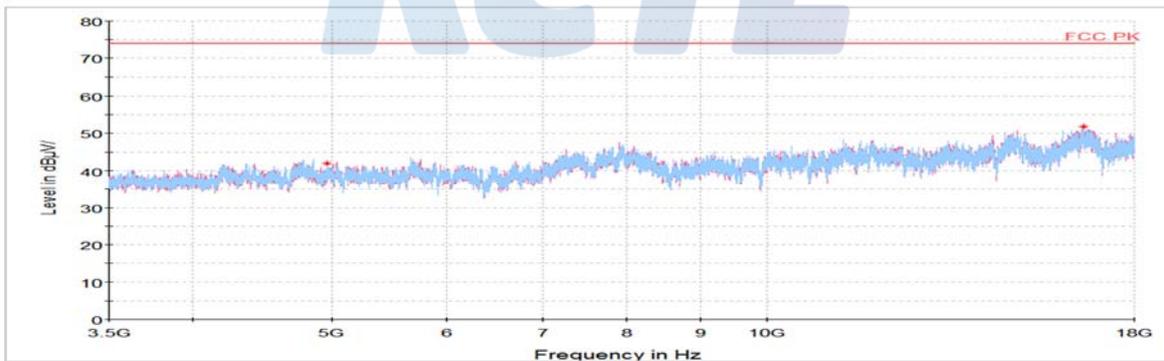
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



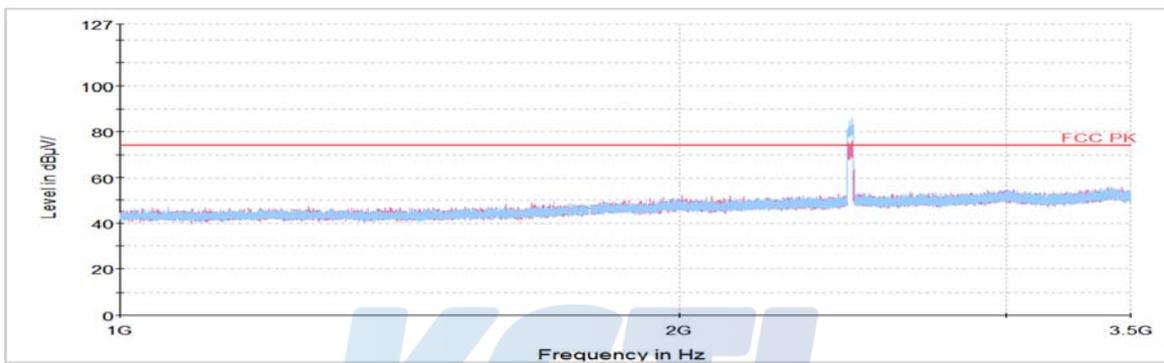
802.11ax_HE20 SU mode / 2 472 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 938.67 ¹⁾	V	62.13	33.98	-55.04	-	41.07	74.00	32.93
16 398.20	V	56.01	41.80	-46.13	-	51.68	74.00	22.32

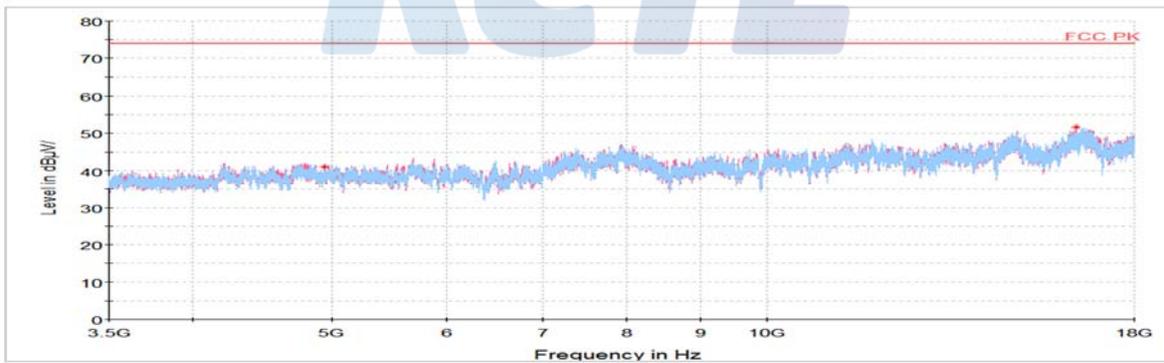
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



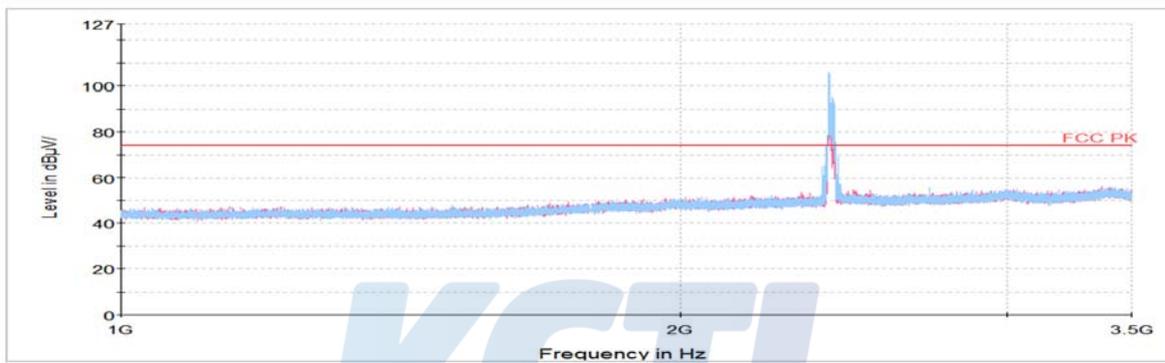
802.11ax_RU mode(HE 20 / 26T / RU offset 0) / 2 412 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
4 752.89 ¹⁾	V	63.18	33.90	-53.61	-	43.47	74.00	30.53
16 550.00	V	56.55	41.55	-45.67	-	52.43	74.00	21.57

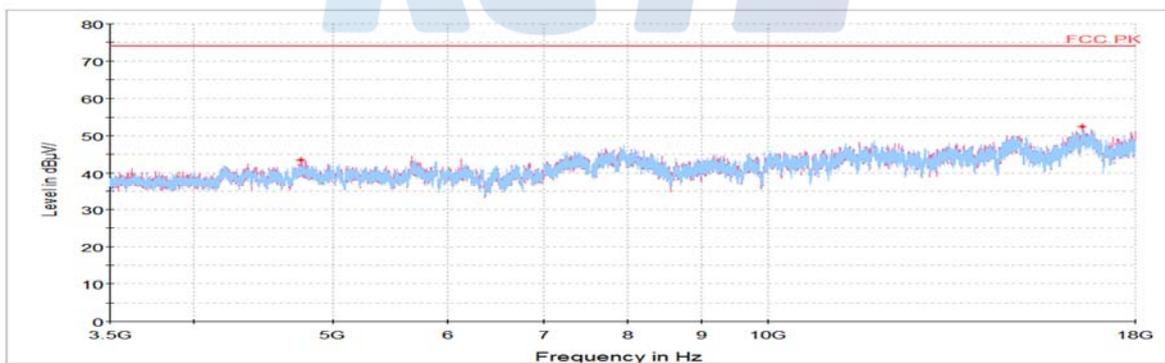
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



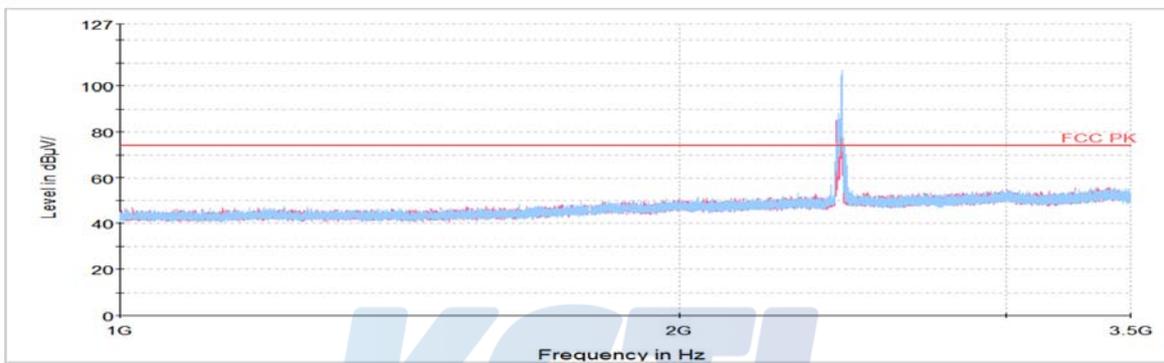
802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 822.22 ¹⁾	V	61.48	33.93	-53.53	-	41.88	74.00	32.12
16 570.84	V	56.63	41.57	-45.74	-	52.46	74.00	21.54

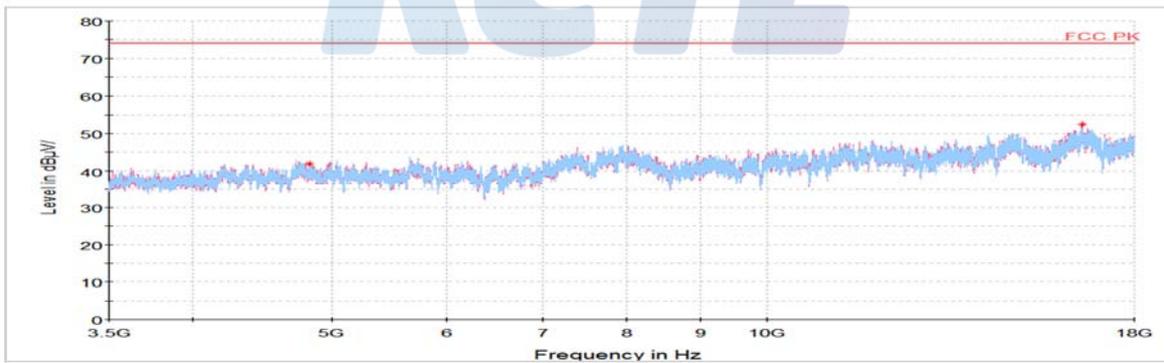
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



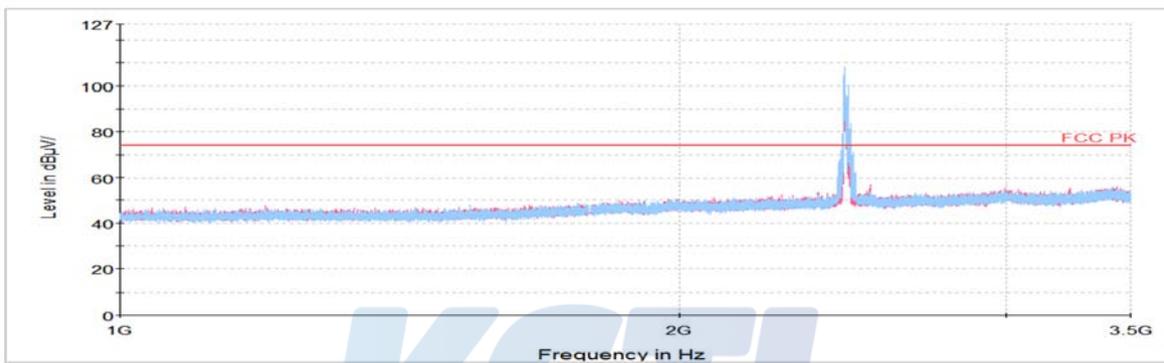
802.11ax_RU mode(HE 20 / 26T / RU offset 0) / 2 462 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 984.89 ¹⁾	H	62.85	33.99	-54.22	-	42.62	74.00	31.38
16 550.45	H	56.55	41.55	-45.67	-	52.43	74.00	21.57

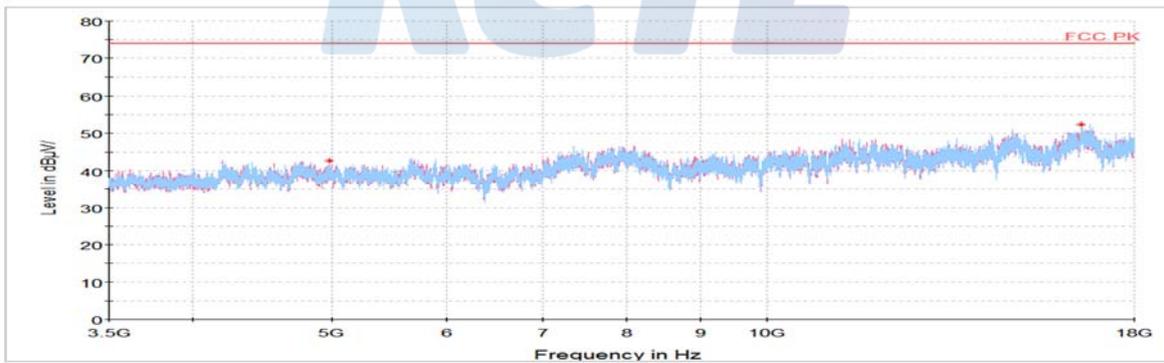
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



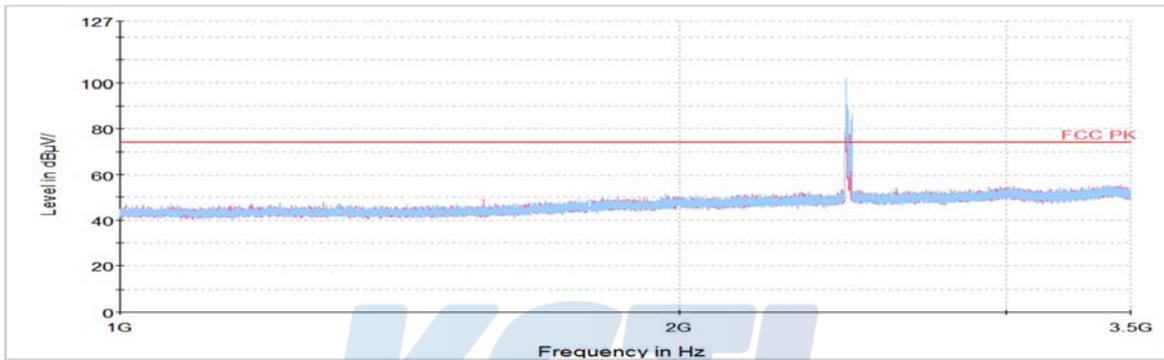
802.11ax_RU mode(HE 20 / 26T / RU offset 0) / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 965.86 ¹⁾	H	62.64	33.99	-54.56	-	42.07	74.00	31.93
16 580.81	V	56.97	41.58	-45.78	-	52.77	74.00	21.23

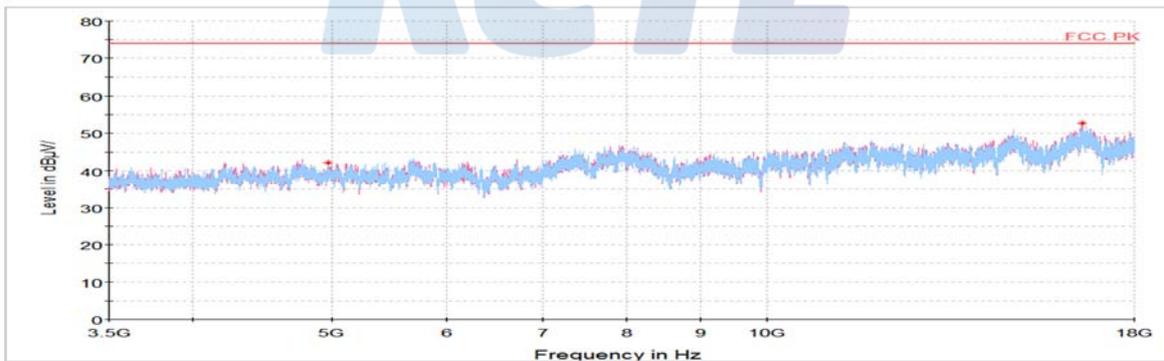
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



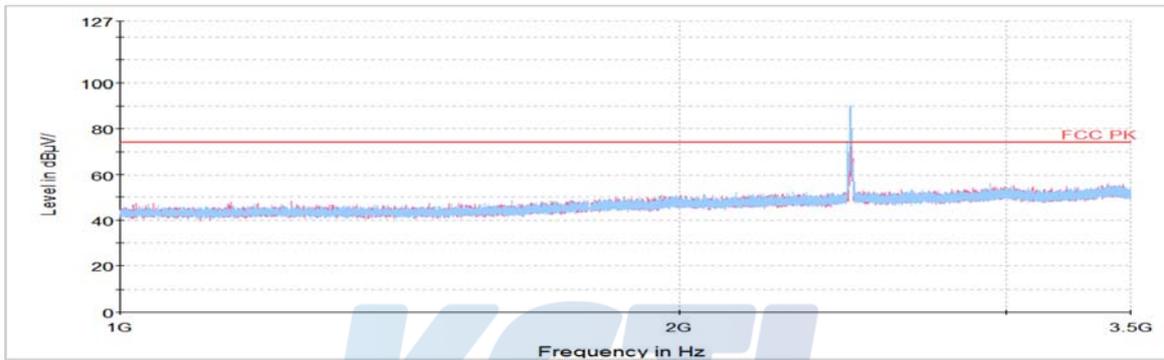
802.11ax_RU mode(HE 20 / 26T / RU offset 4) / 2 472 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 974.92 ¹⁾	V	61.45	33.99	-54.40	-	41.04	74.00	32.96
16 569.94	V	56.30	41.57	-45.74	-	52.13	74.00	21.87

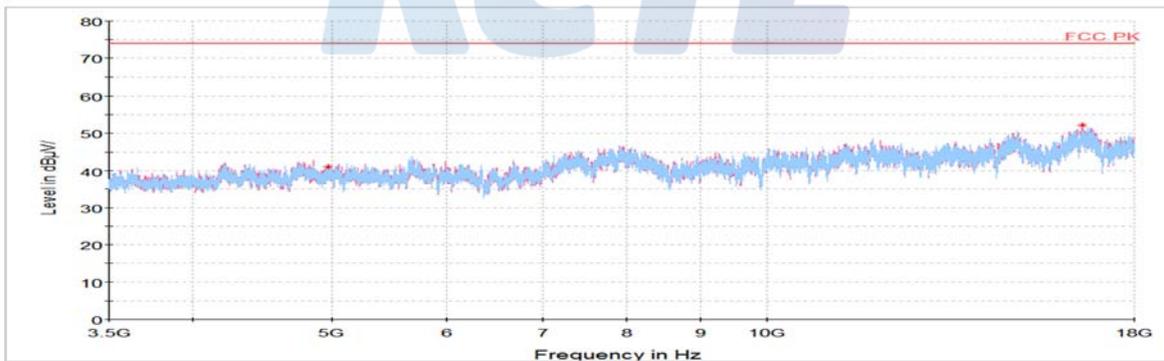
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



SISO ANT 2 Restricted Band edge
802.11ax_HE20 SU mode/ 2 412 MHz

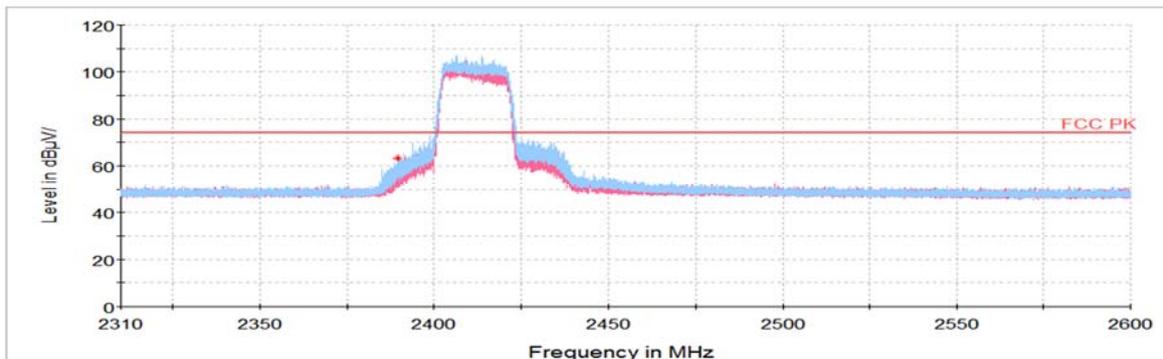
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.62 ¹⁾	H	60.51	31.88	-29.04	-	63.35	74.00	10.65
Average Data								
2 389.62 ¹⁾	H	46.45	31.88	-29.04	0.49	49.78	54.00	4.22

Average data



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Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 26T / RU offset 0) / 2 412 MHz

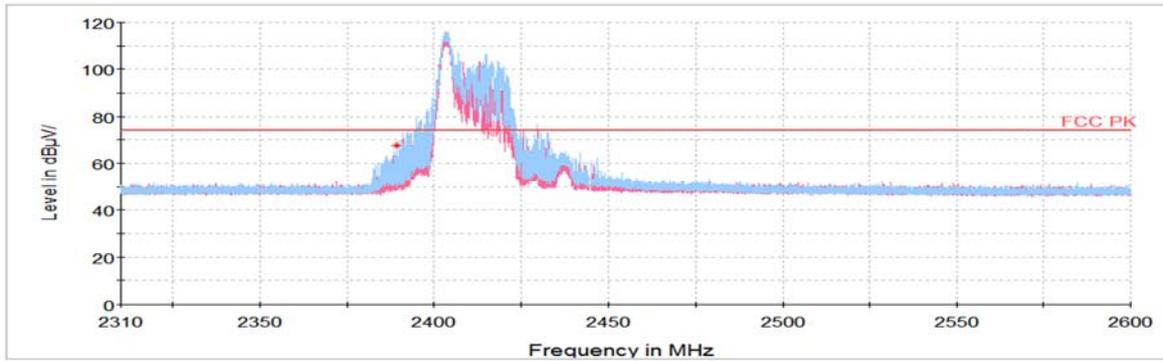
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.89 ¹⁾	H	64.75	31.88	-29.04	-	67.59	74.00	6.41
Average Data								
2 389.89 ¹⁾	H	46.54	31.88	-29.04	0.10	49.48	54.00	4.52

Average data



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Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 52T / RU offset 37) / 2 412 MHz

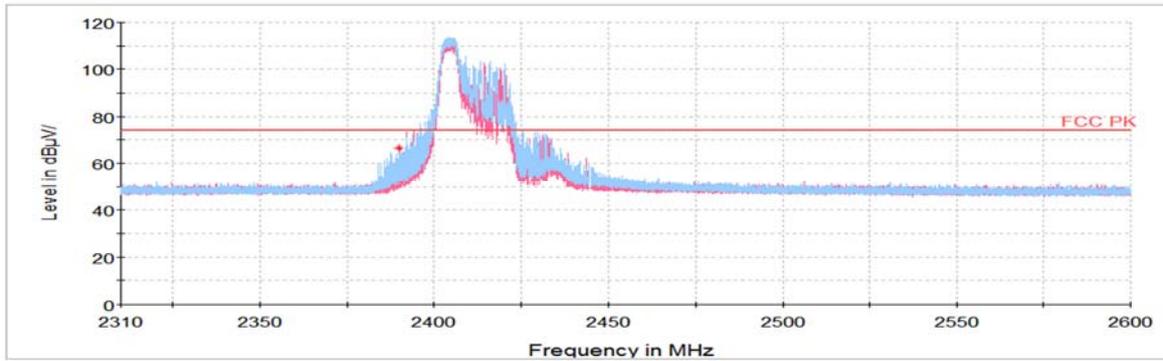
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.83 ¹⁾	H	63.49	31.88	-29.04	-	66.33	74.00	7.67
Average Data								
2 389.83 ¹⁾	H	46.74	31.88	-29.04	0.20	49.78	54.00	4.22

Average data



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Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 106T / RU offset 53) / 2 412 MHz

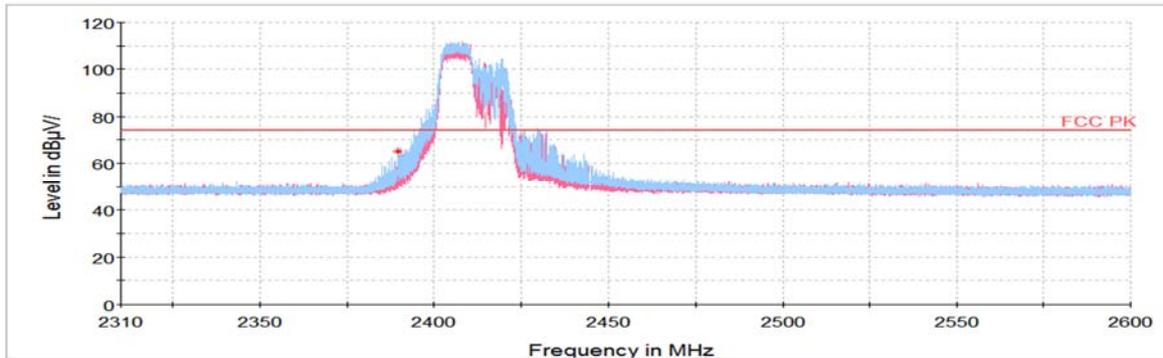
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.90 ¹⁾	H	62.16	31.88	-29.04	-	65.00	74.00	9.00
Average Data								
2 389.90 ¹⁾	H	45.05	31.88	-29.04	0.26	48.15	54.00	5.85

Average data



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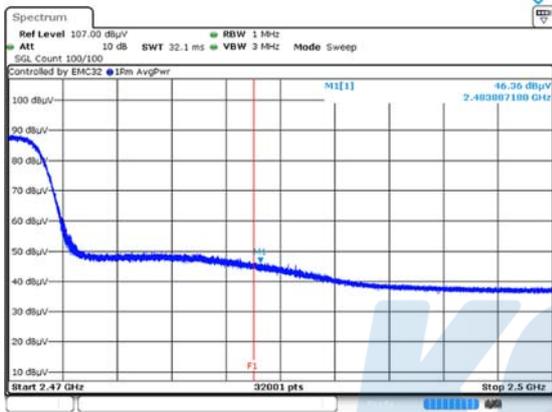
Horizontal/Vertical for Band-edge



802.11ax_HE20 SU mode / 2 462 MHz

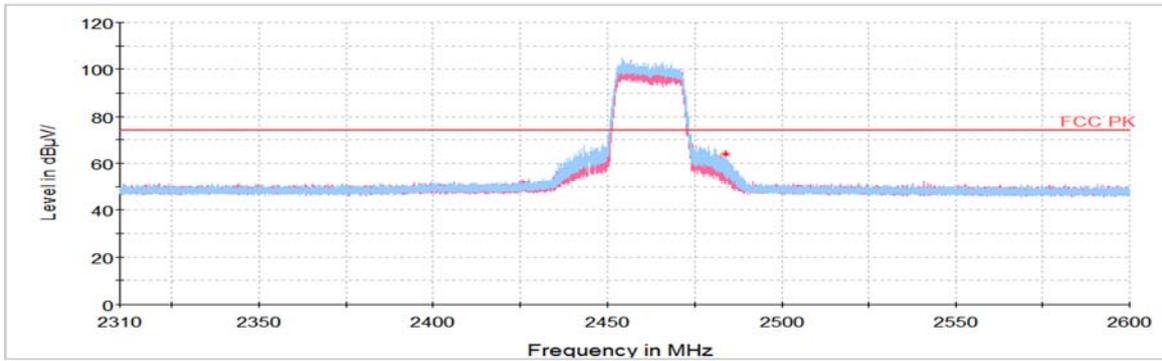
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.89 ¹⁾	H	61.13	32.07	-29.21	-	63.99	74.00	10.01
Average Data								
2 483.89 ¹⁾	H	46.36	32.07	-29.21	0.49	49.71	54.00	4.29

Average data



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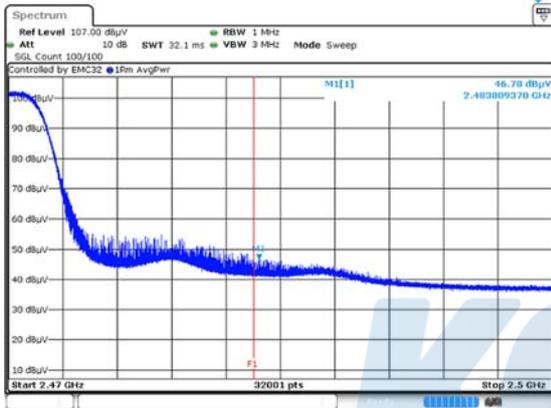
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 462 MHz

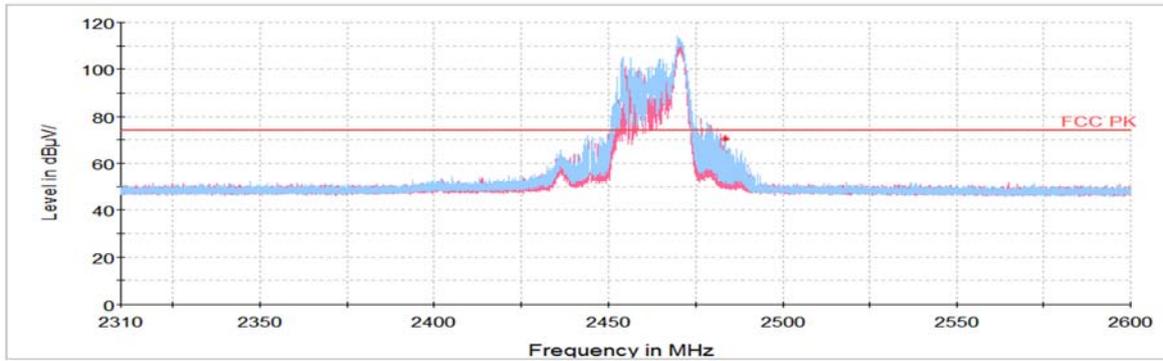
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.81 ¹⁾	H	67.64	32.07	-29.21	-	70.50	74.00	3.50
Average Data								
2 483.81 ¹⁾	H	46.78	32.07	-29.21	0.10	49.74	54.00	4.26

Average data



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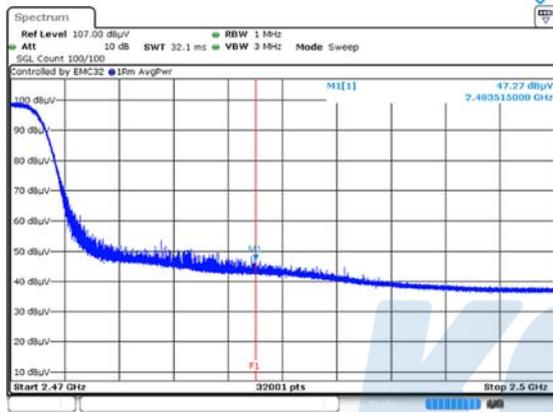
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 52T / RU offset 40) / 2 462 MHz

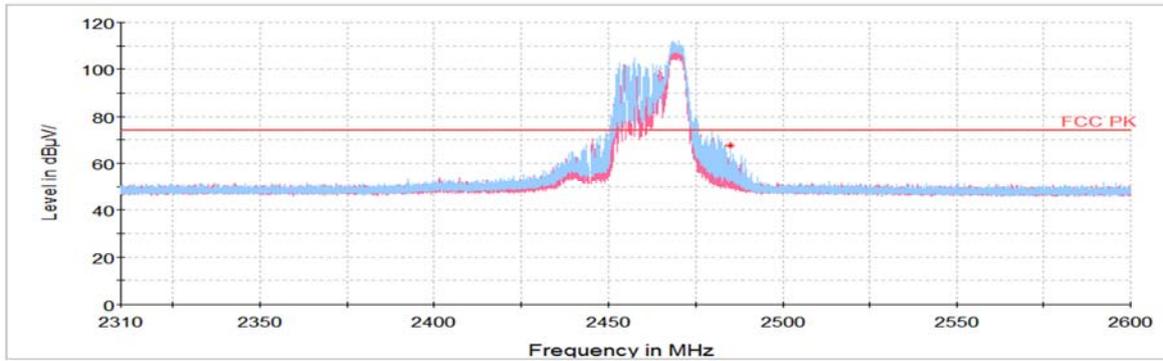
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.52 ¹⁾	H	64.57	32.07	-29.21	-	67.43	74.00	6.57
Average Data								
2 483.52 ¹⁾	H	47.27	32.07	-29.21	0.20	50.33	54.00	3.67

Average data



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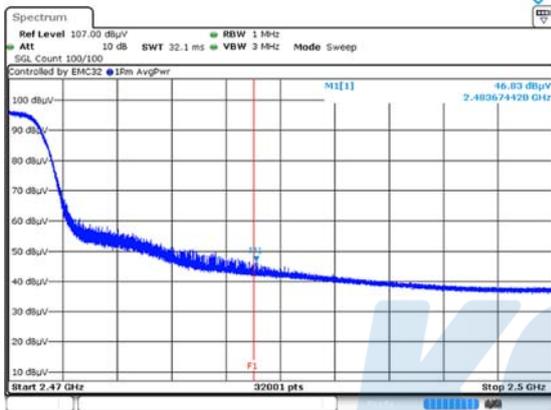
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 106T / RU offset 54) / 2 462 MHz

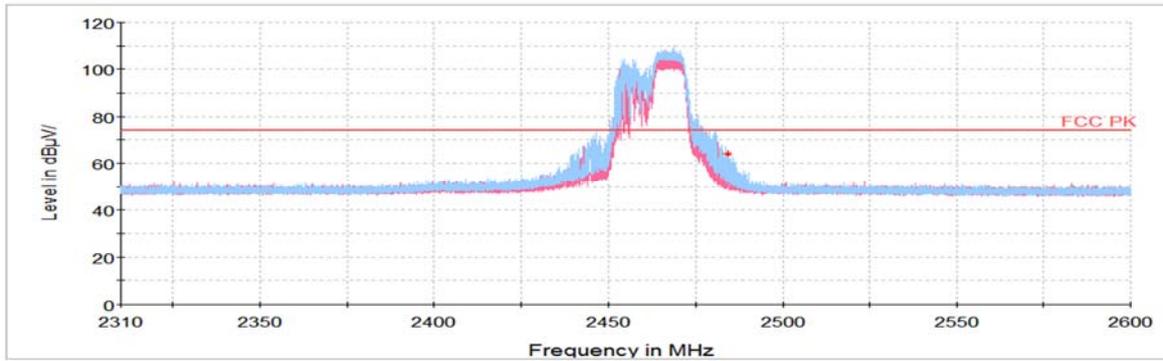
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.67 ¹⁾	H	61.06	32.07	-29.21	-	63.92	74.00	10.08
Average Data								
2 483.67 ¹⁾	H	46.83	32.07	-29.21	0.26	49.95	54.00	4.05

Average data



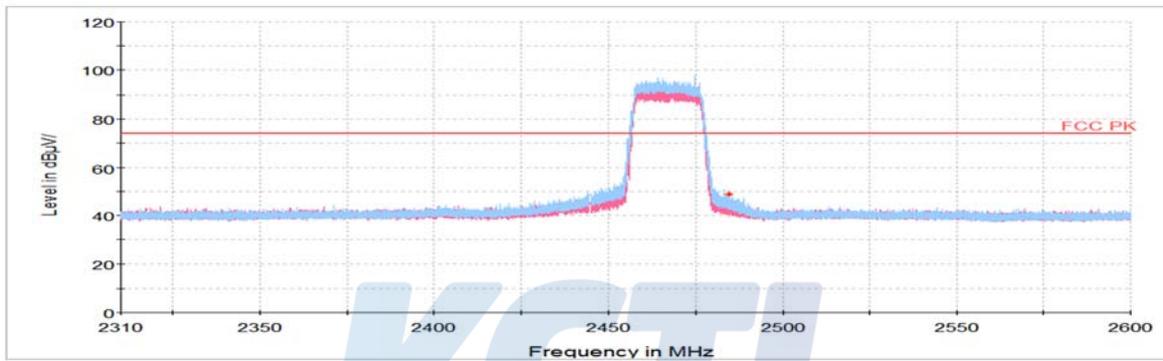
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Horizontal/Vertical for Band-edge



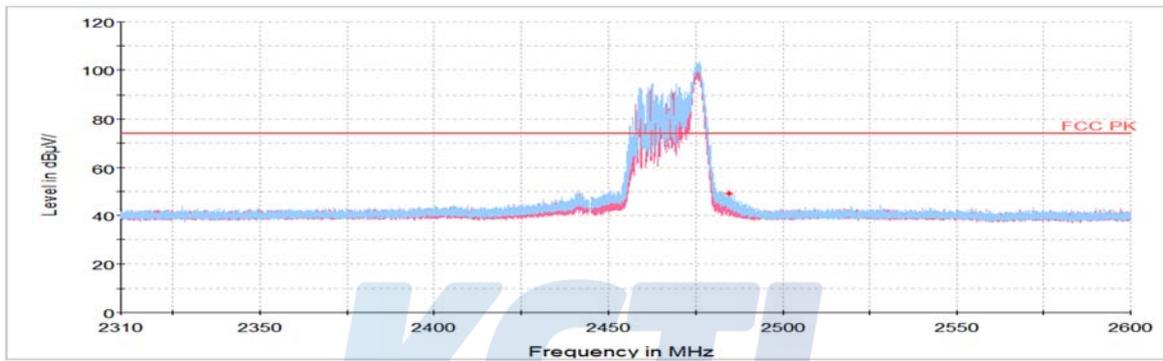
802.11ax_HE20 SU mode / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 484.73 ¹⁾	H	45.98	32.07	-29.22	-	48.83	74.00	25.17
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

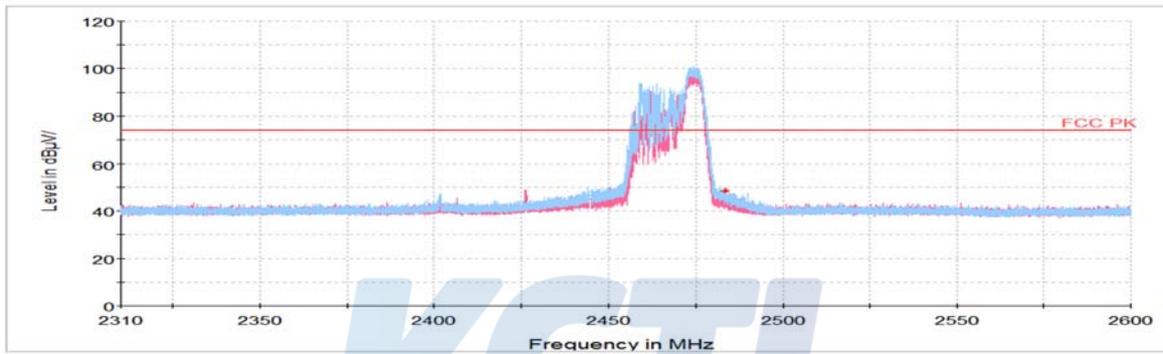
802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 484.46 ¹⁾	H	46.06	32.07	-29.22	-	48.91	74.00	25.09
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

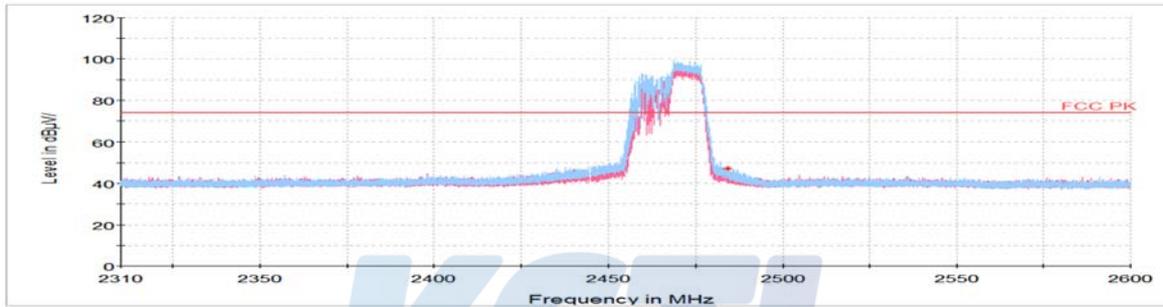
802.11ax_RU mode(HE 20 / 52T / RU offset 40) / 2 467 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 483.59 ¹⁾	H	45.60	32.07	-29.21	-	48.46	74.00	25.54
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge

802.11ax_RU mode(HE 20 / 106T / RU offset 54) / 2 467 MHz

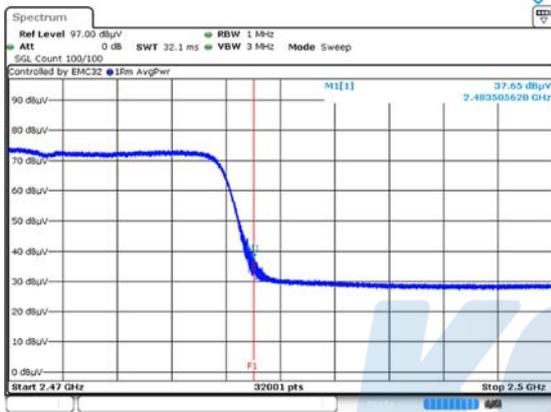
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 484.37 ¹⁾	H	44.37	32.07	-29.22	-	47.22	74.00	26.78
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for Band-edge**KCTL**

802.11ax_HE20 SU mode / 2 472 MHz

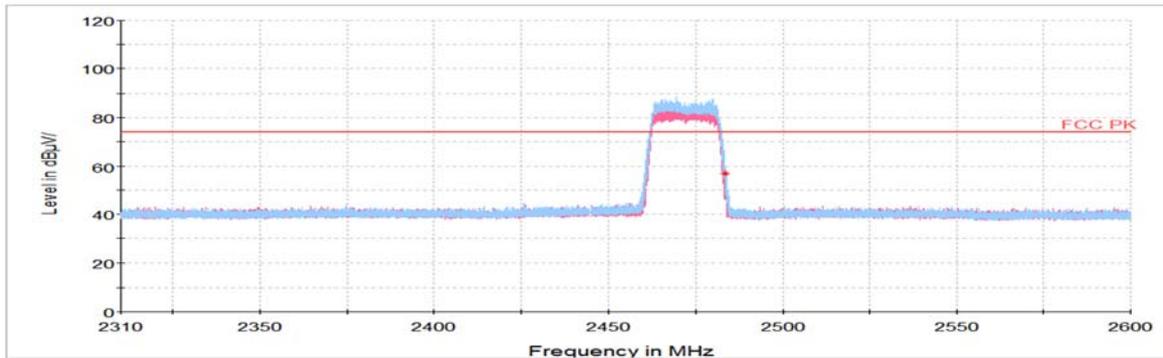
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.59 ¹⁾	H	54.08	32.07	-29.21	-	56.94	74.00	17.06
Average Data								
2 483.59 ¹⁾	H	37.65	32.07	-29.21	0.49	41.00	54.00	13.00

Average data



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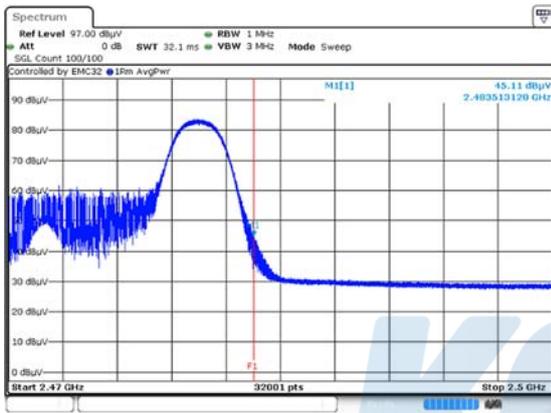
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 26T / RU offset 8) / 2 472 MHz

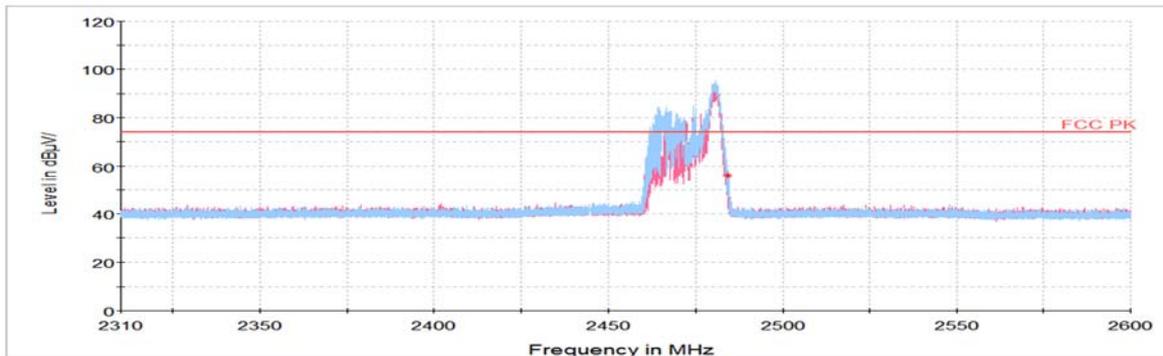
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.50 ¹⁾	H	53.09	32.07	-29.21	-	55.95	74.00	18.05
Average Data								
2 483.50 ¹⁾	H	45.11	32.07	-29.21	0.10	48.07	54.00	5.93

Average data



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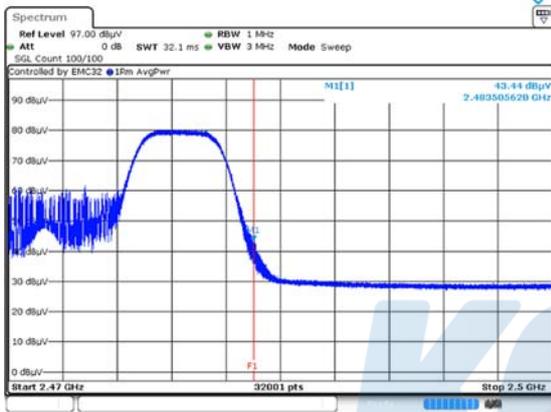
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 52T / RU offset 40) / 2 472 MHz

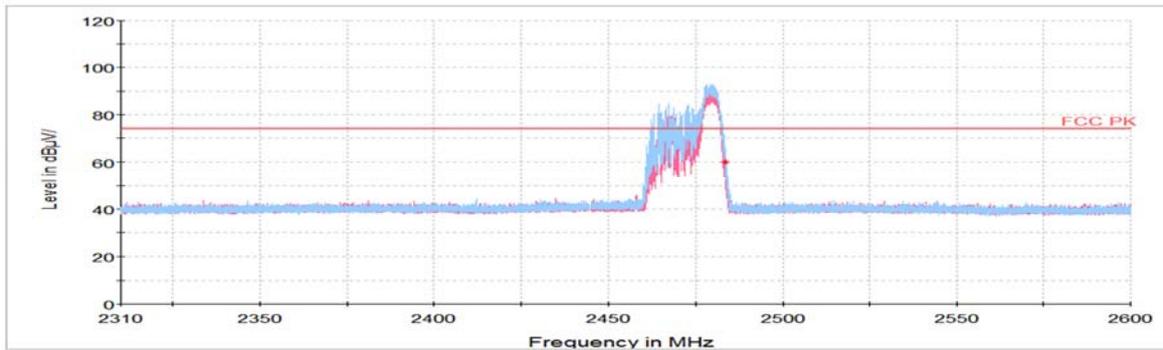
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.51 ¹⁾	H	56.93	32.07	-29.21	-	59.79	74.00	14.21
Average Data								
2 483.51 ¹⁾	H	43.44	32.07	-29.21	0.20	46.50	54.00	7.50

Average data



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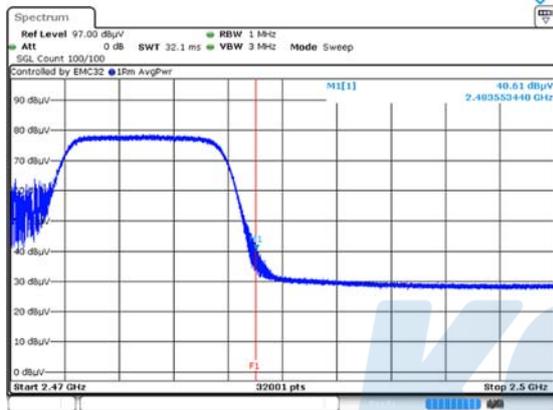
Horizontal/Vertical for Band-edge



802.11ax_RU mode(HE 20 / 106T / RU offset 54) / 2 472 MHz

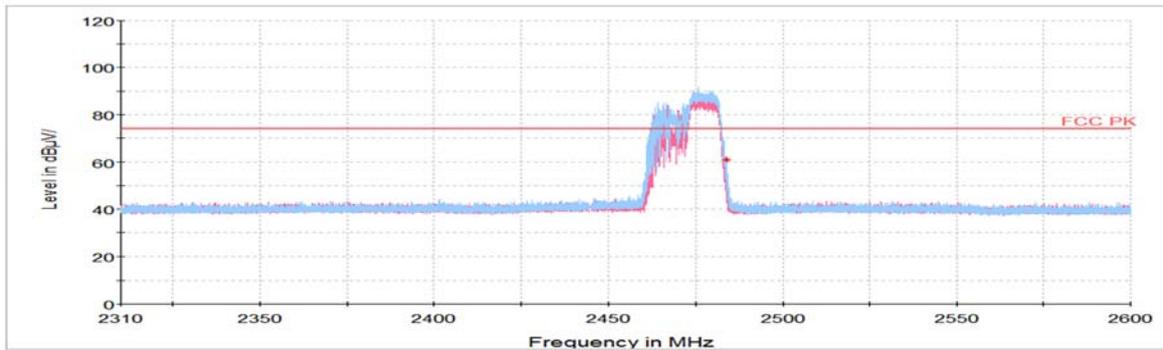
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.55 ¹⁾	H	57.86	32.07	-29.21	-	60.72	74.00	13.28
Average Data								
2 483.55 ¹⁾	H	40.61	32.07	-29.21	0.26	43.73	54.00	10.27

Average data



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Horizontal/Vertical for Band-edge



SISO ANT 2 Harmonics and Spurious Emissions

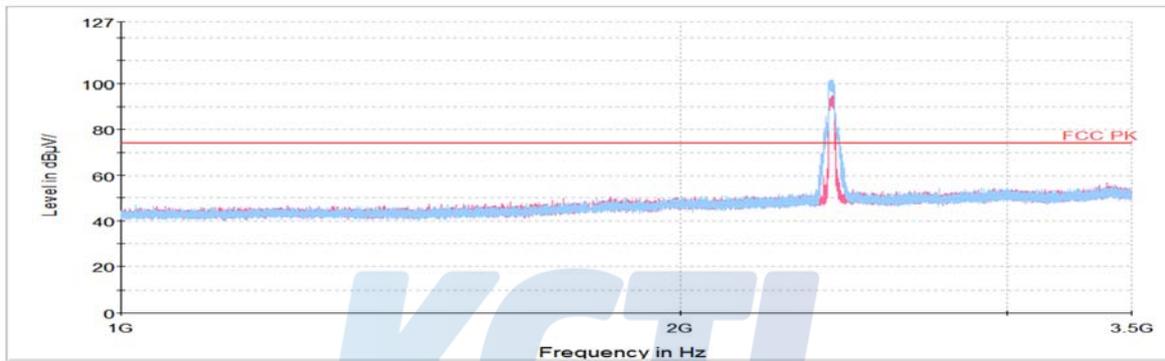
802.11ax_HE20 SU mode / 2 412 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 817.69 ¹⁾	V	61.12	33.93	-53.40	-	41.65	74.00	32.35
16 593.95	V	55.62	41.59	-45.82	-	51.39	74.00	22.61

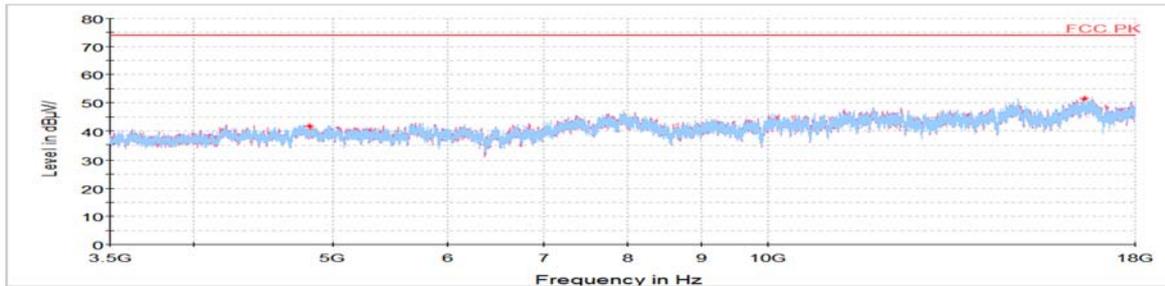
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



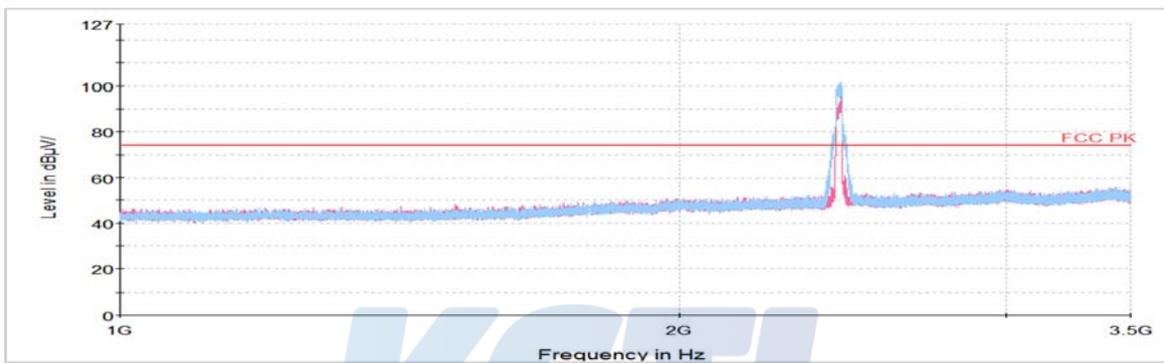
802.11ax_HE20 SU mode / 2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 850.77 ¹⁾	H	61.80	33.94	-54.34	-	41.40	74.00	32.60
16 517.83	V	55.95	41.52	-45.56	-	51.91	74.00	22.09

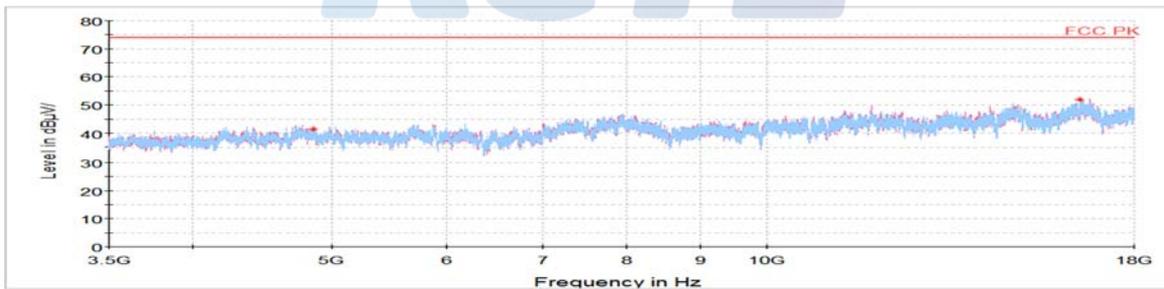
Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



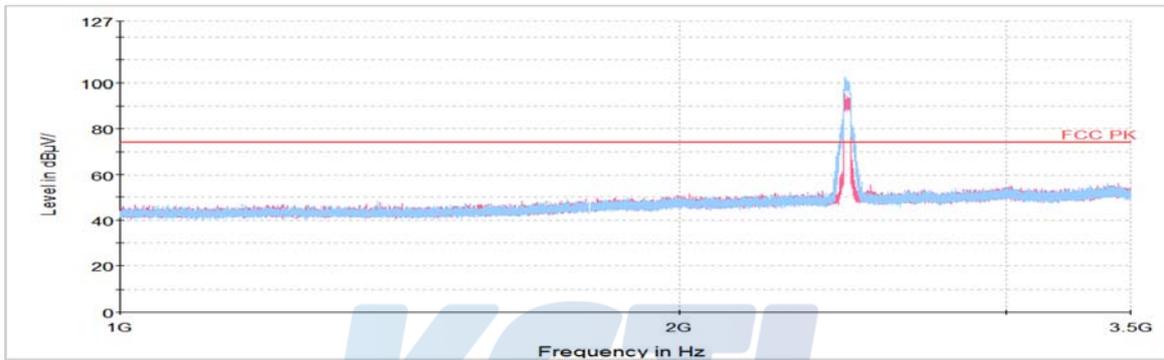
802.11ax_HE20 SU mode / 2 462 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 938.67 ¹⁾	V	61.78	33.98	-55.04	-	40.72	74.00	33.28
16 770.67	V	56.35	41.77	-46.42	-	51.70	74.00	22.30

Average Data

No spurious emissions were detected within 20 dB of the limit

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz

