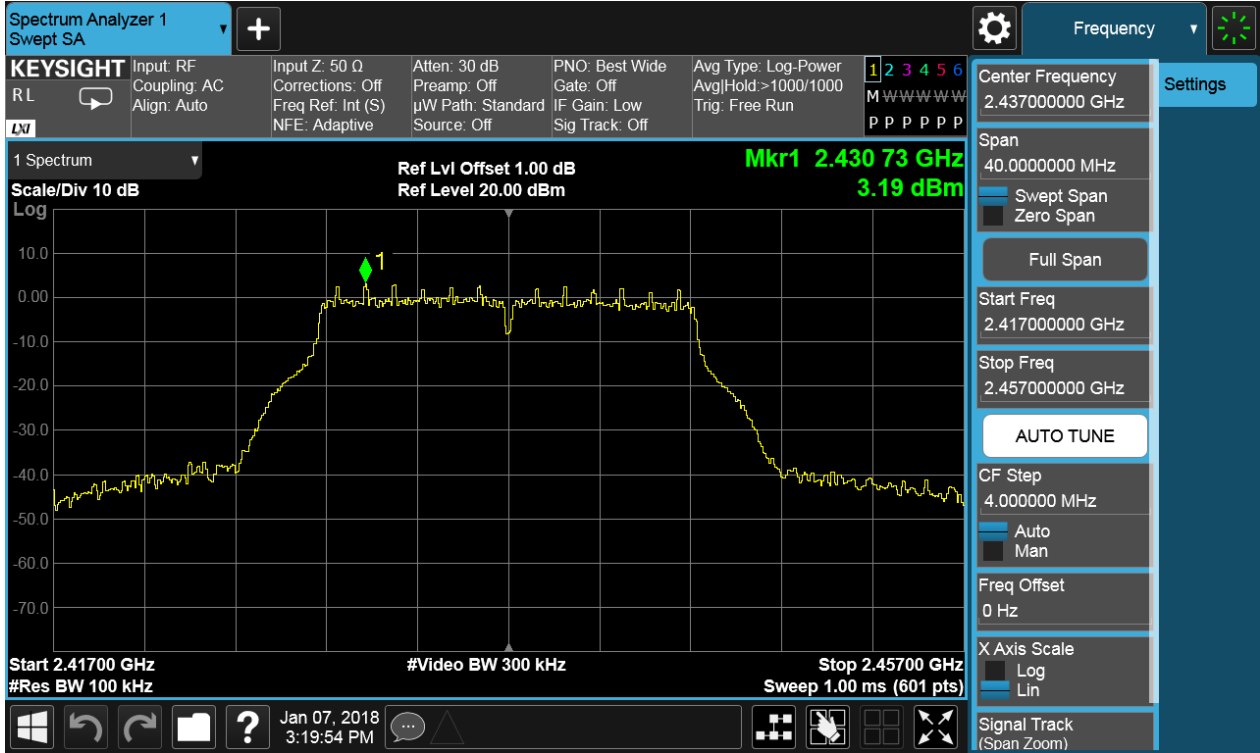




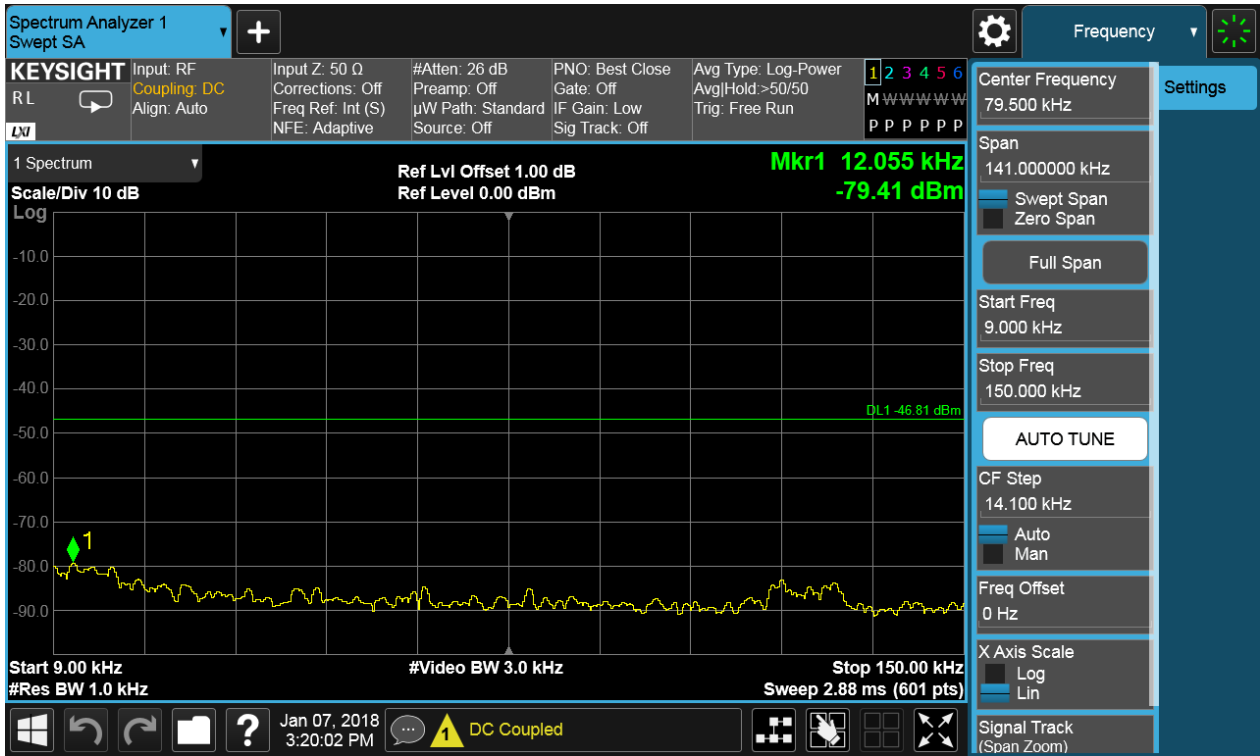
2.32 11G\_CDD M@Ant 1

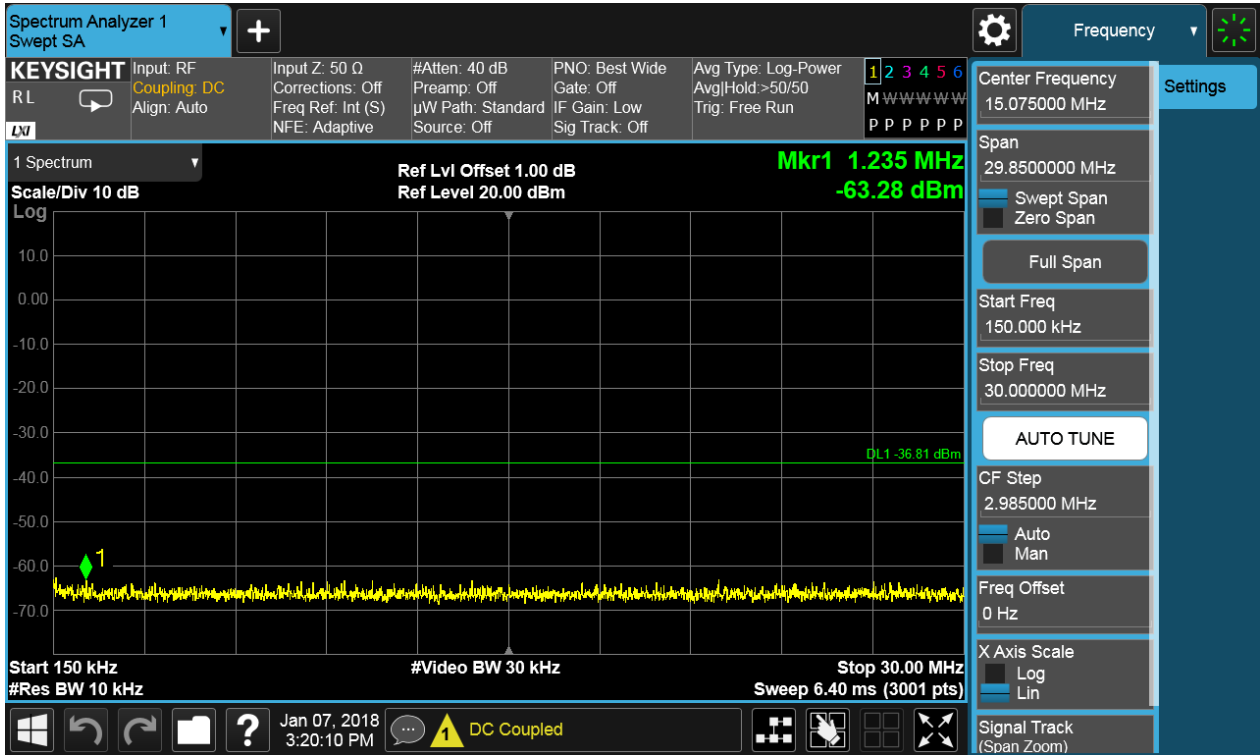
Pref:



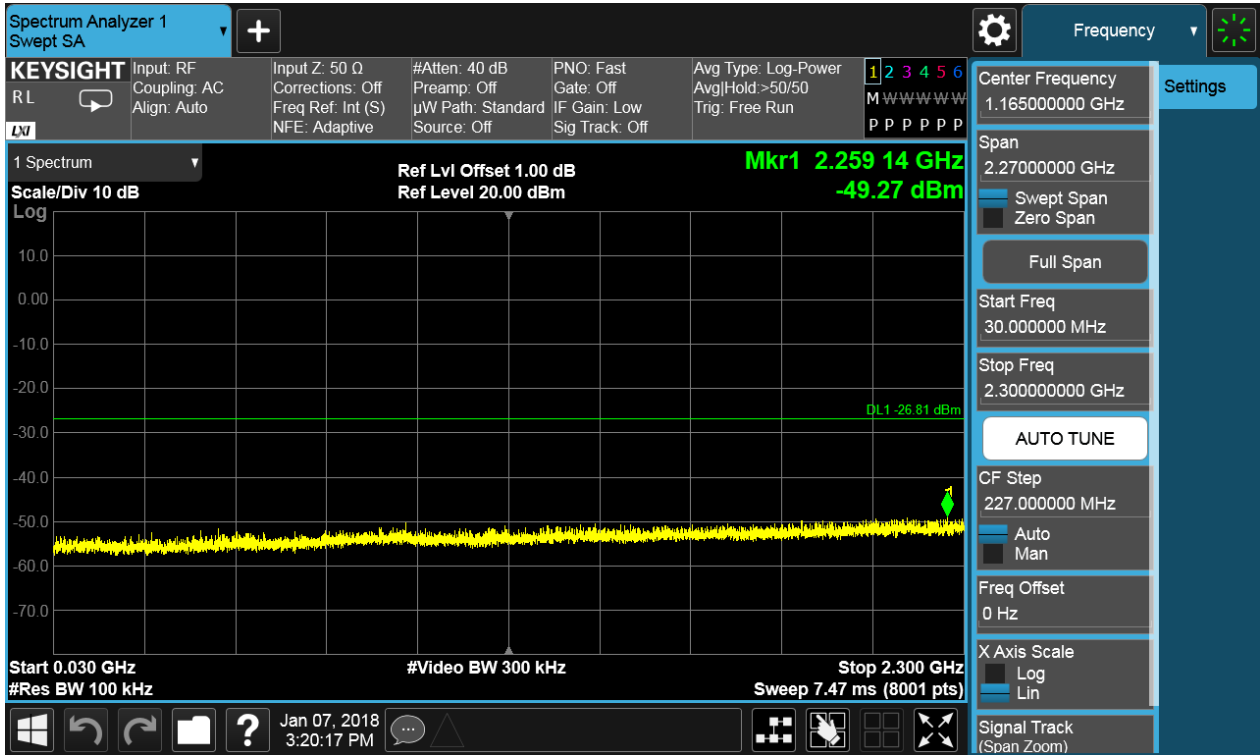


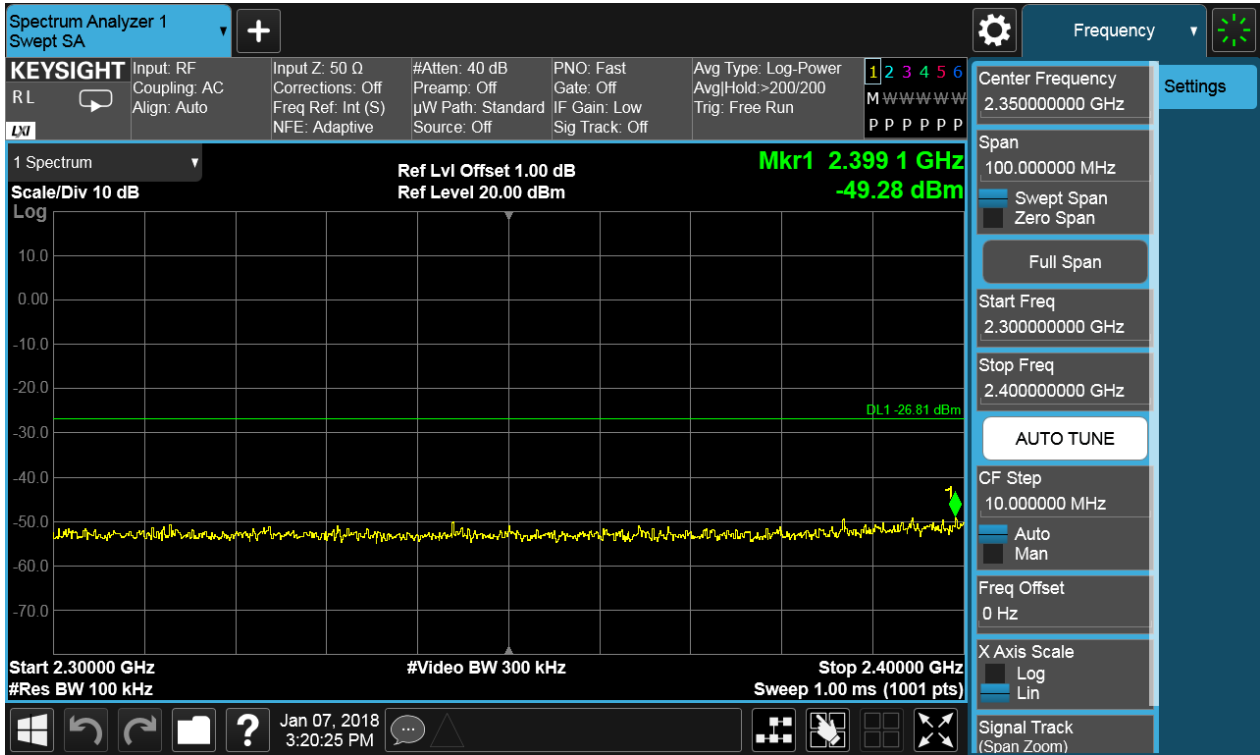
Puw:

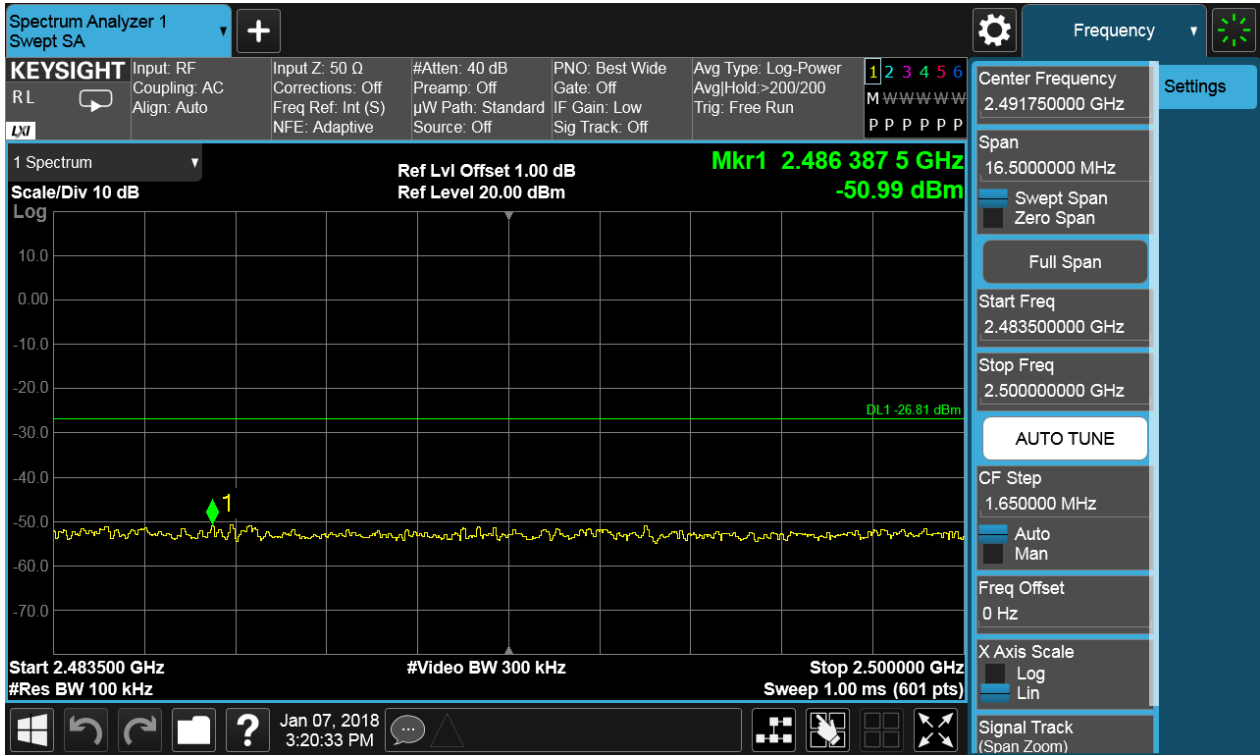


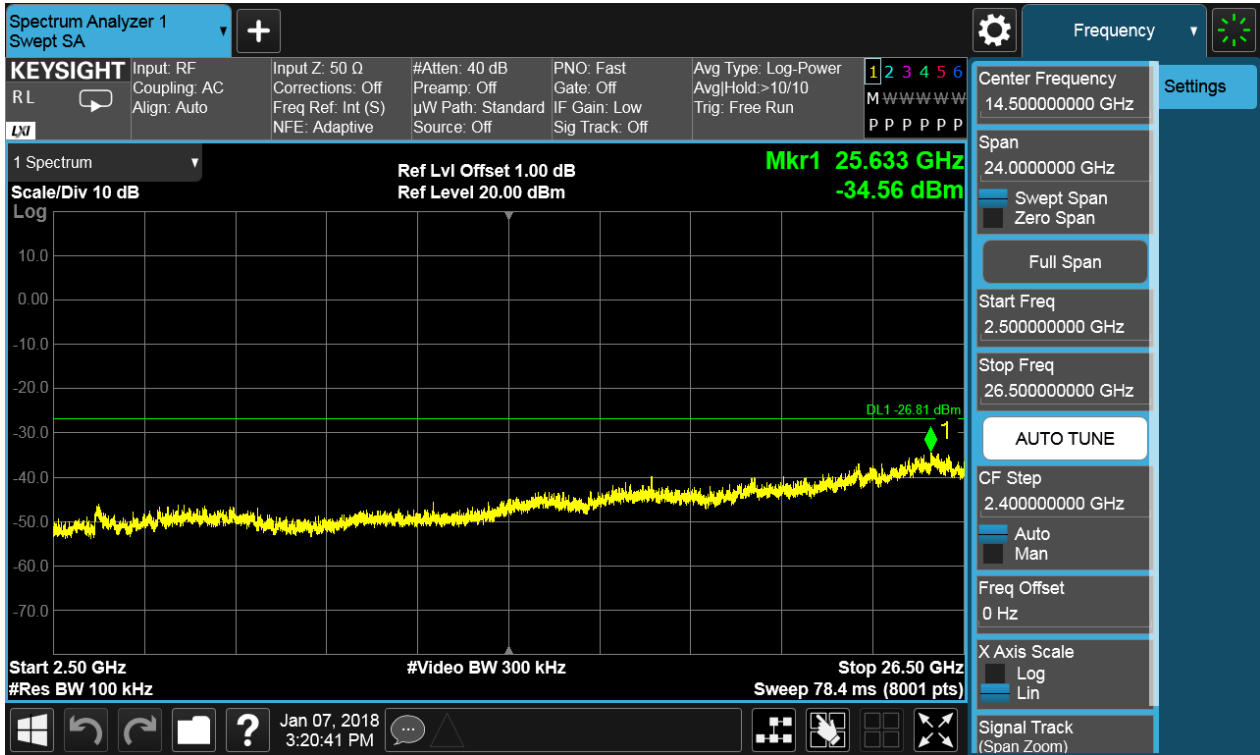








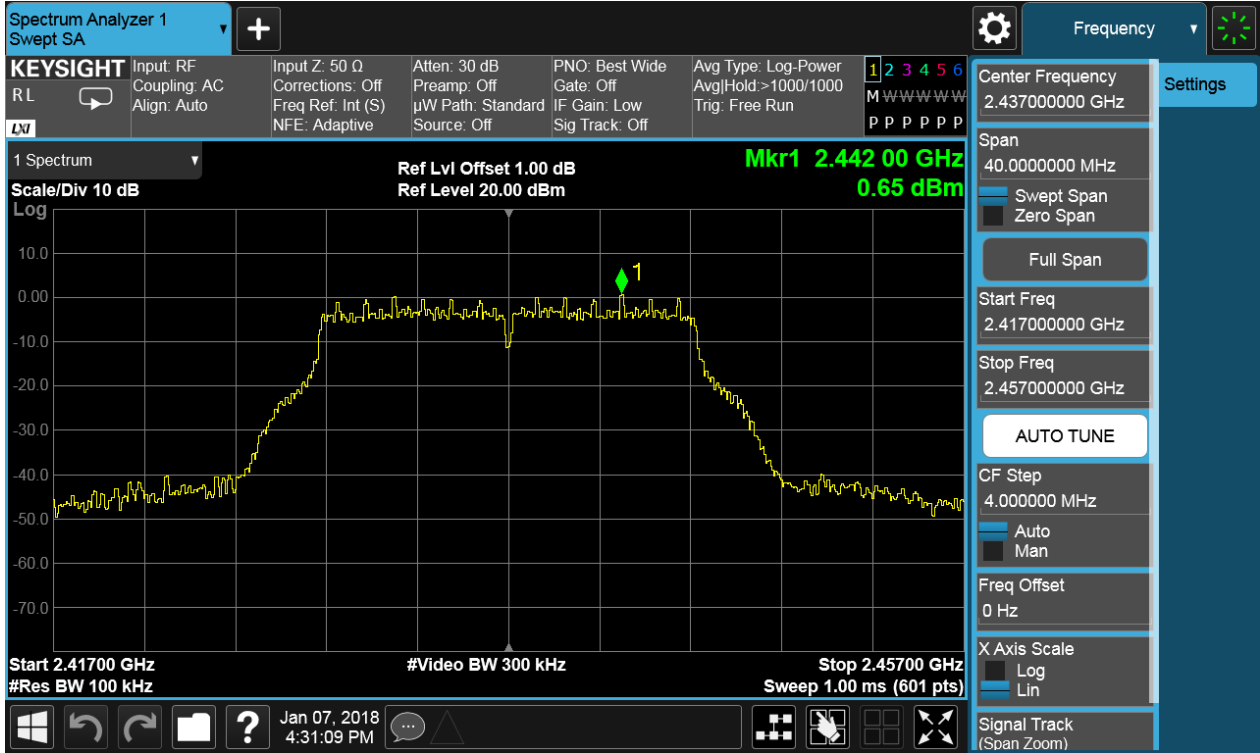






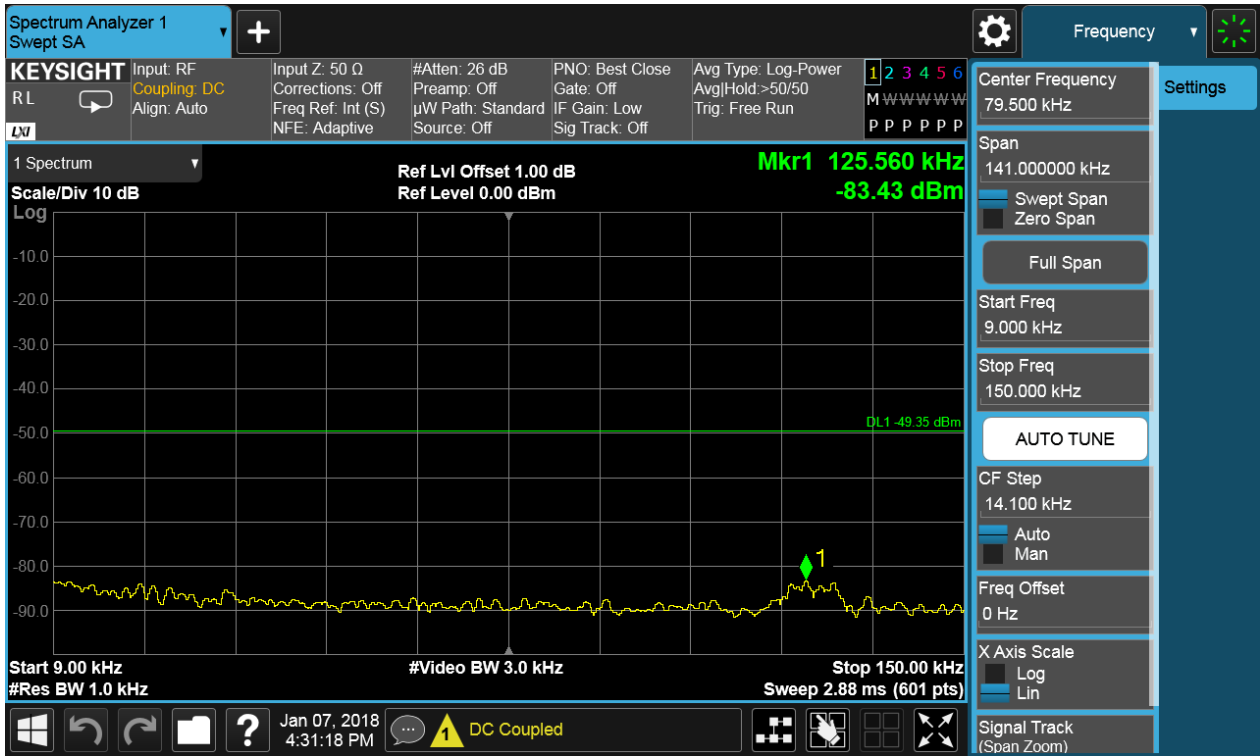
### 2.33 11G\_CDD M@Ant 2

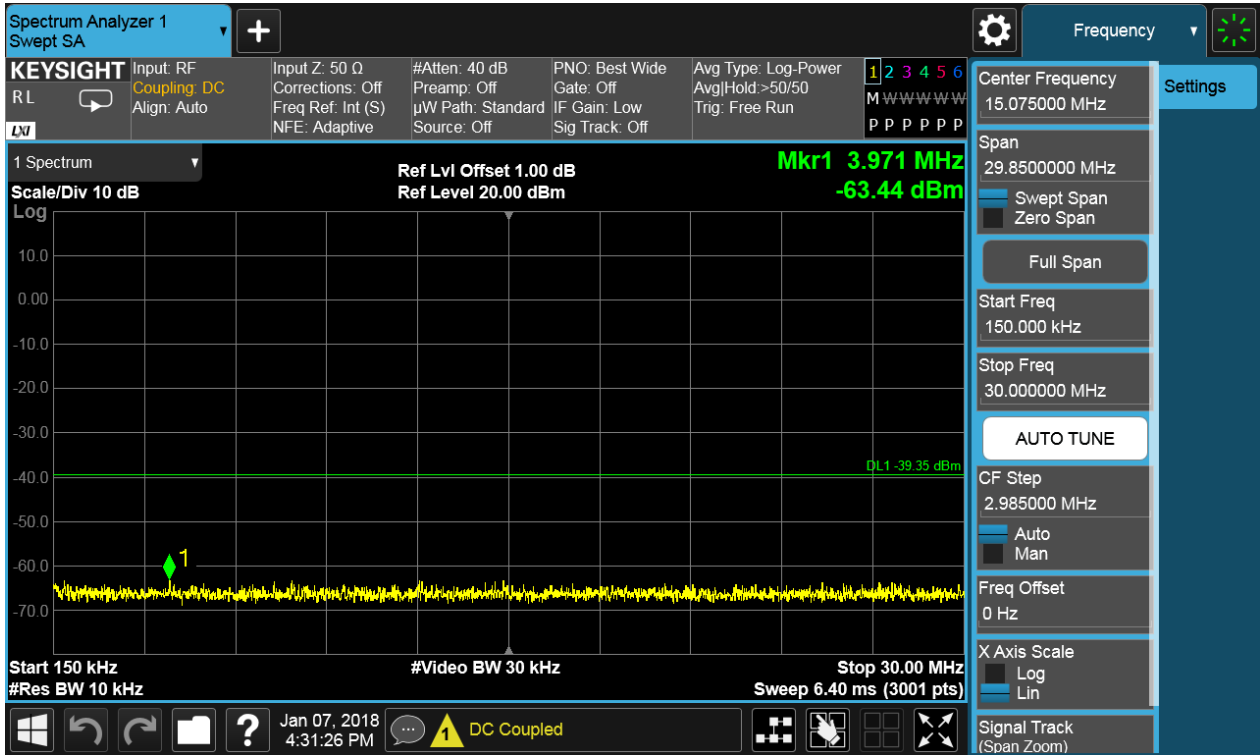
Pref:

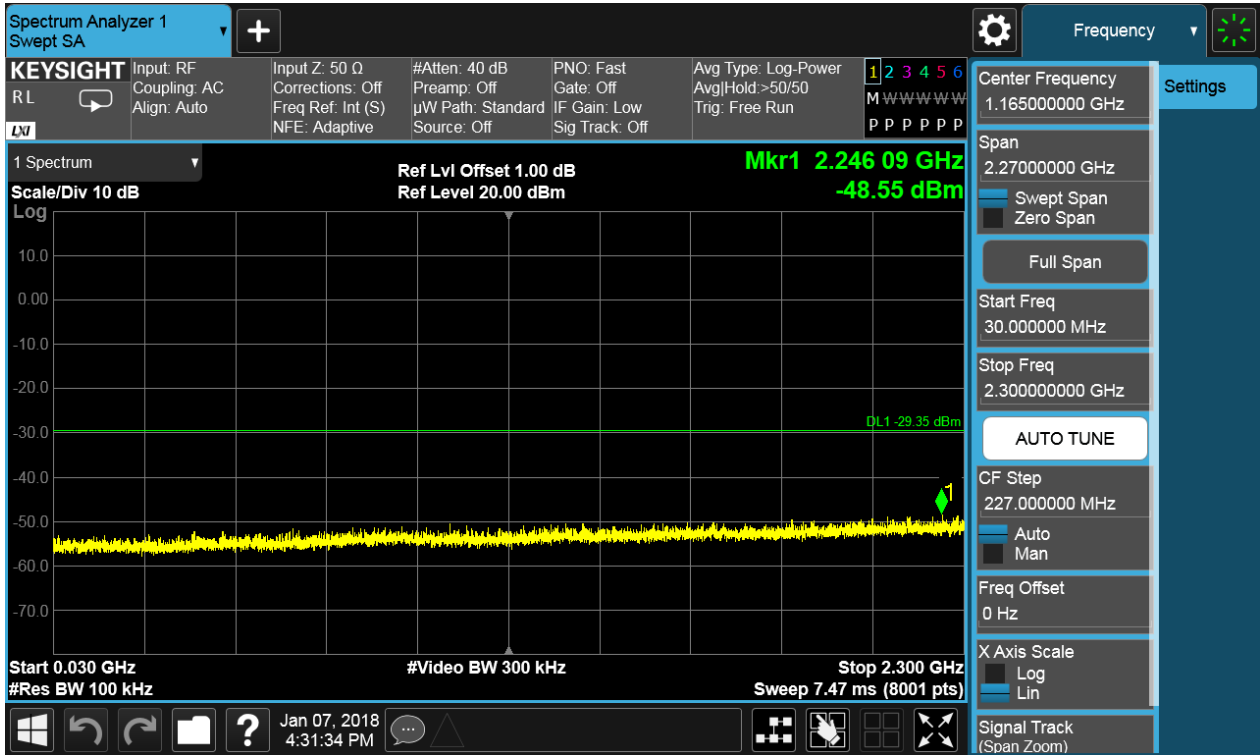




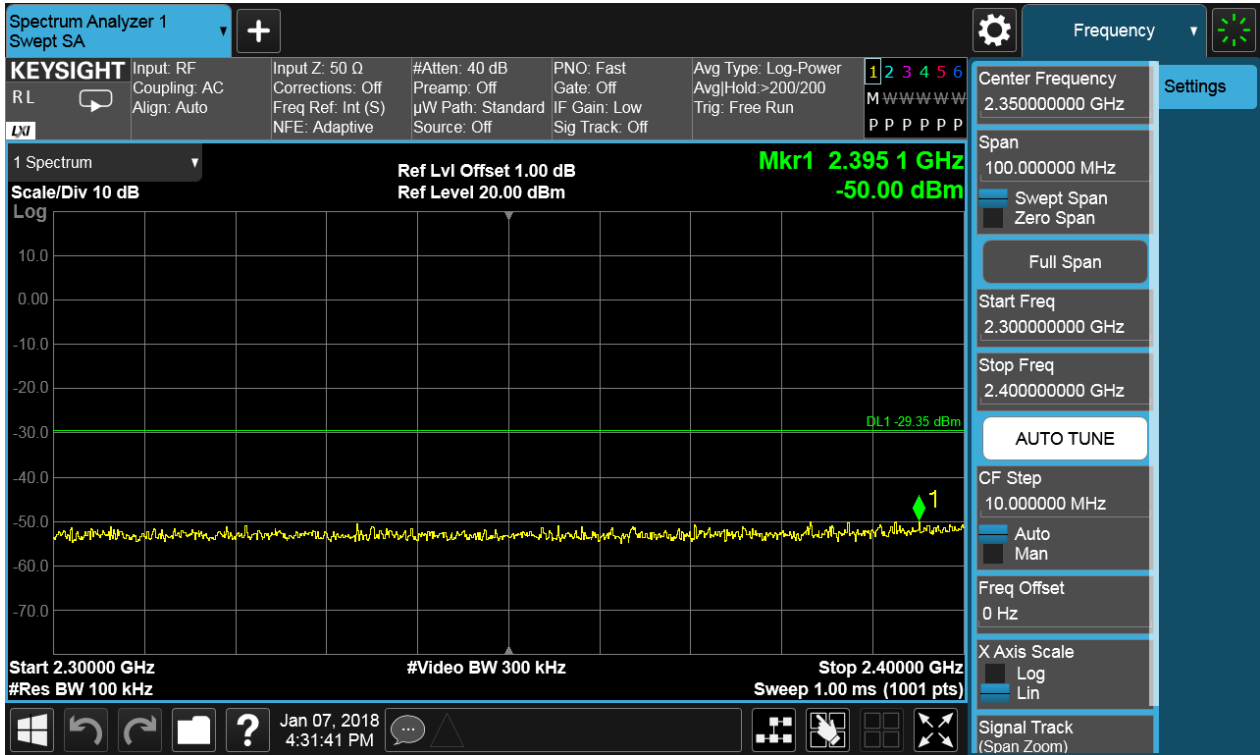
Puw:

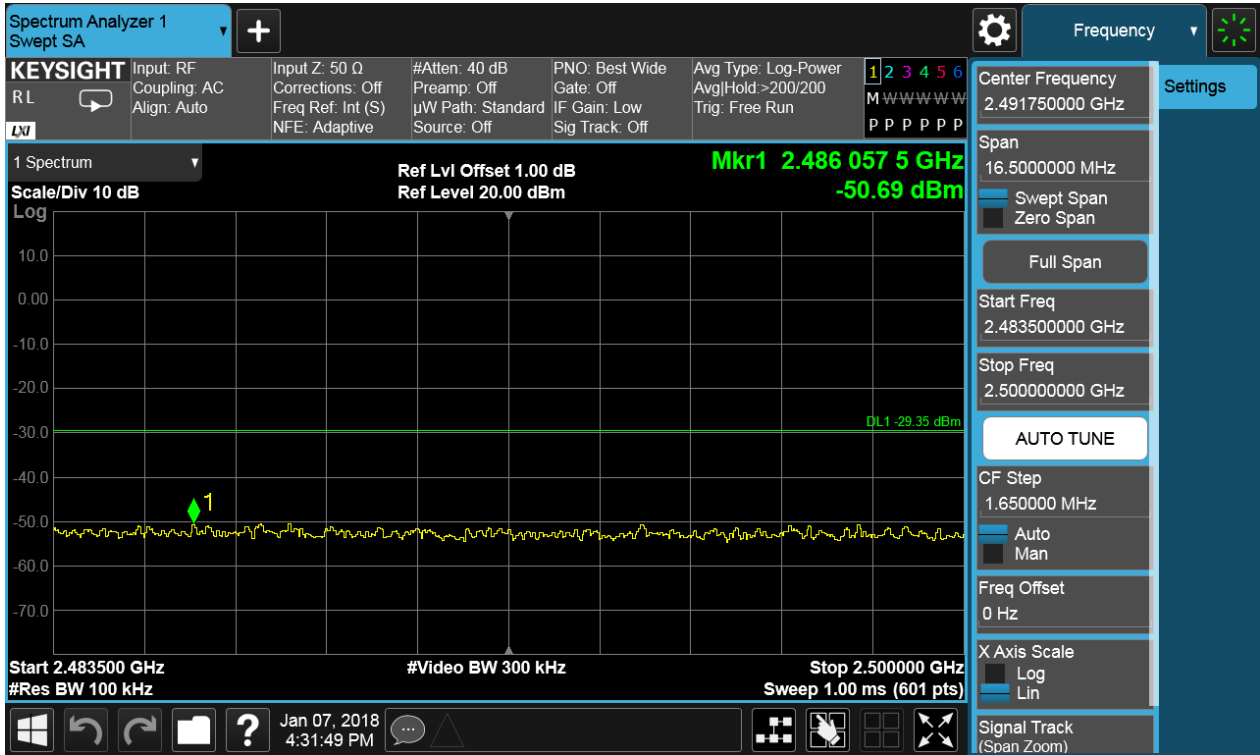


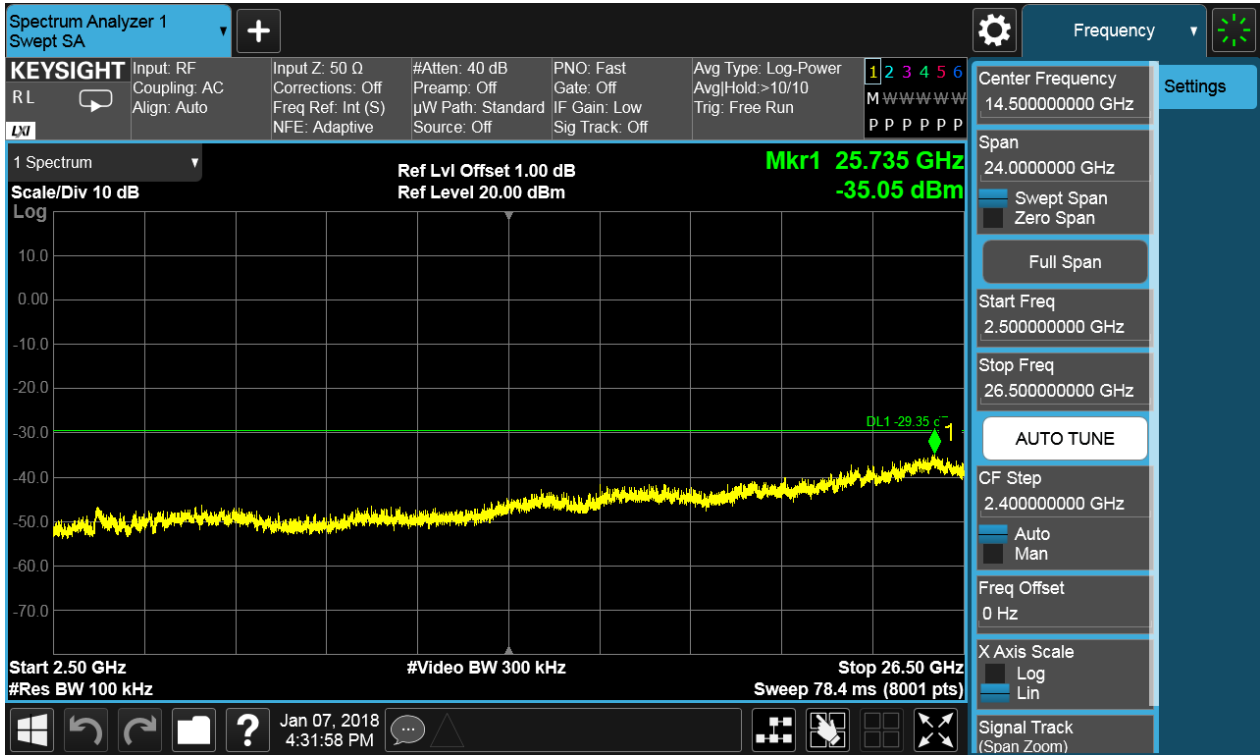








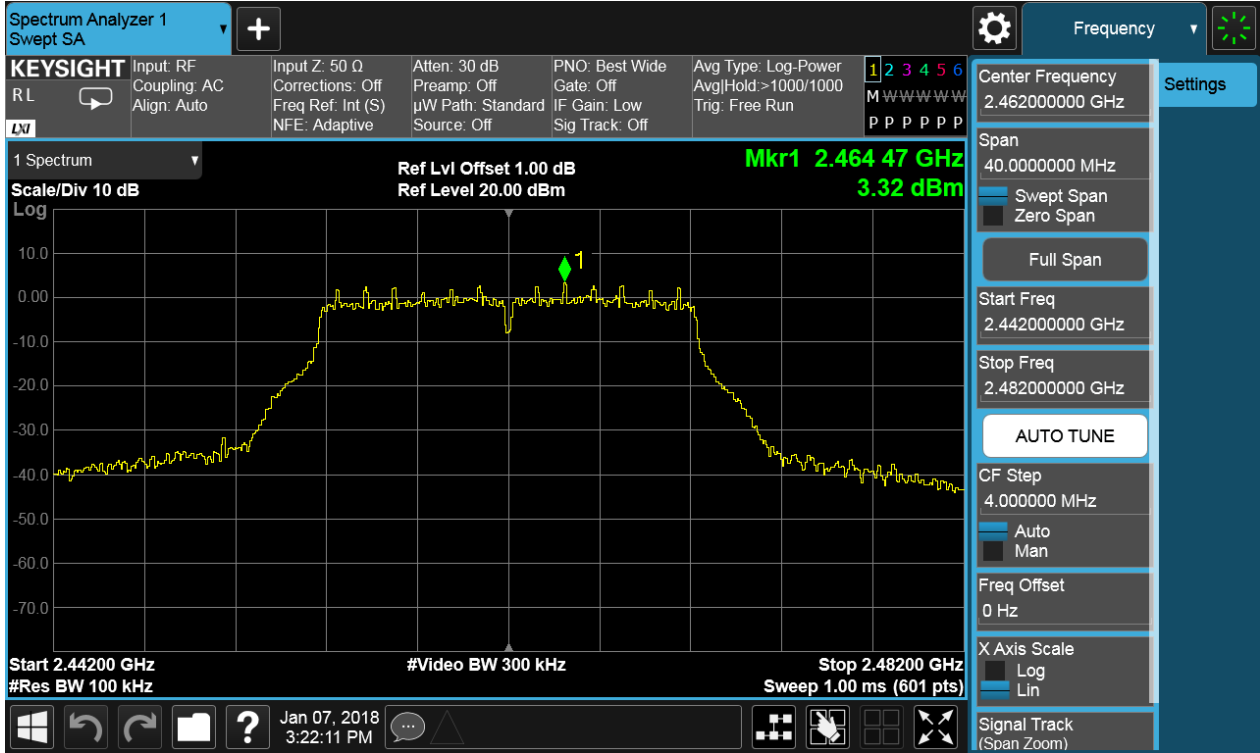






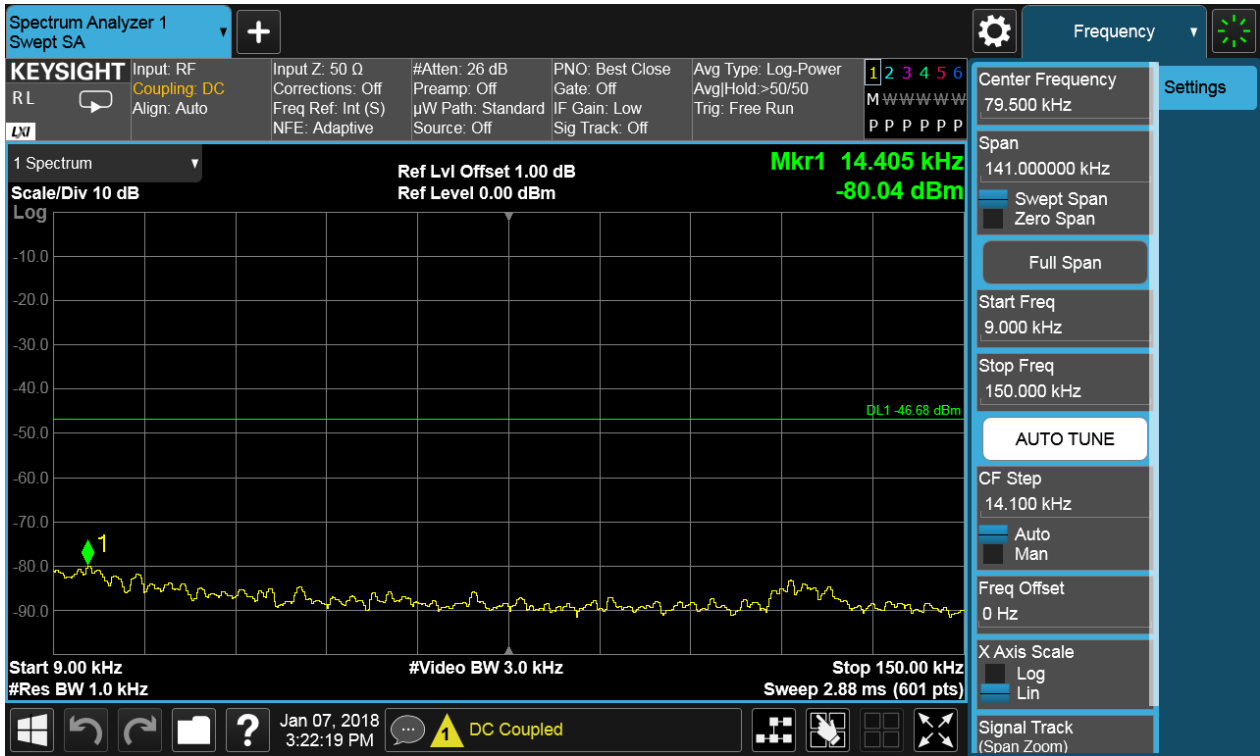
### 2.34 11G\_CDD H@Ant 1

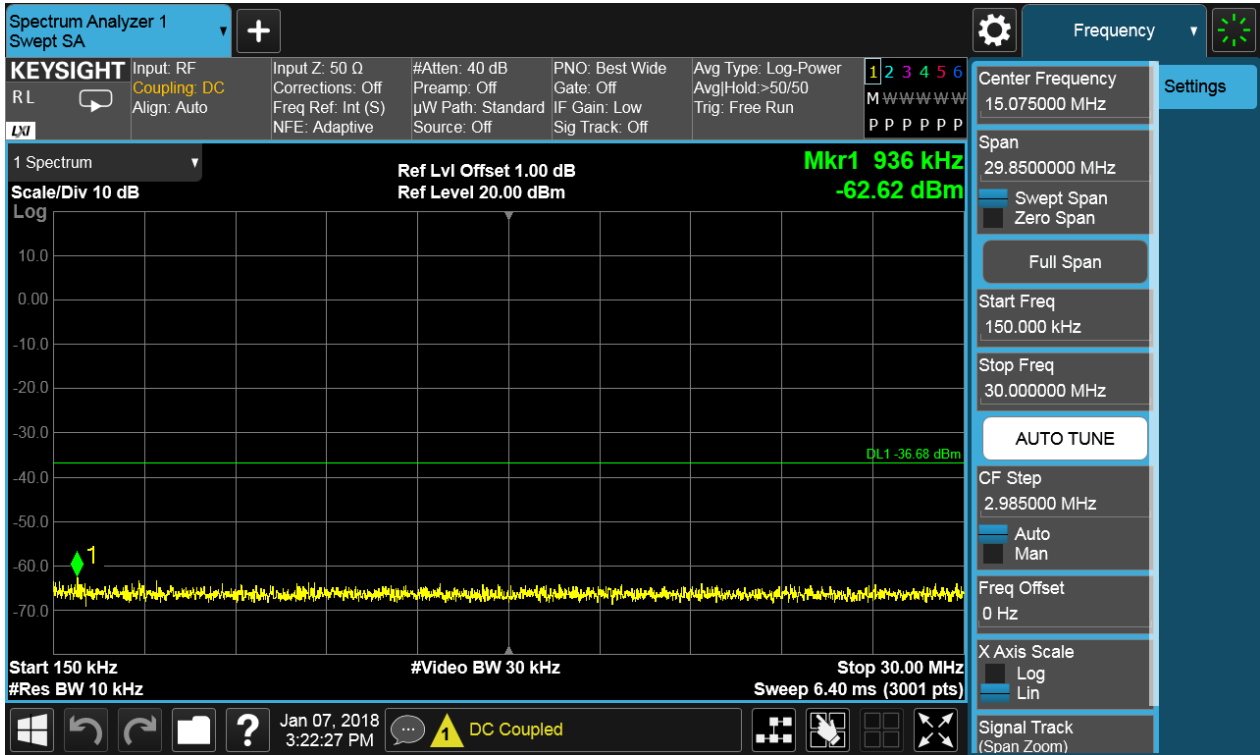
Pref:

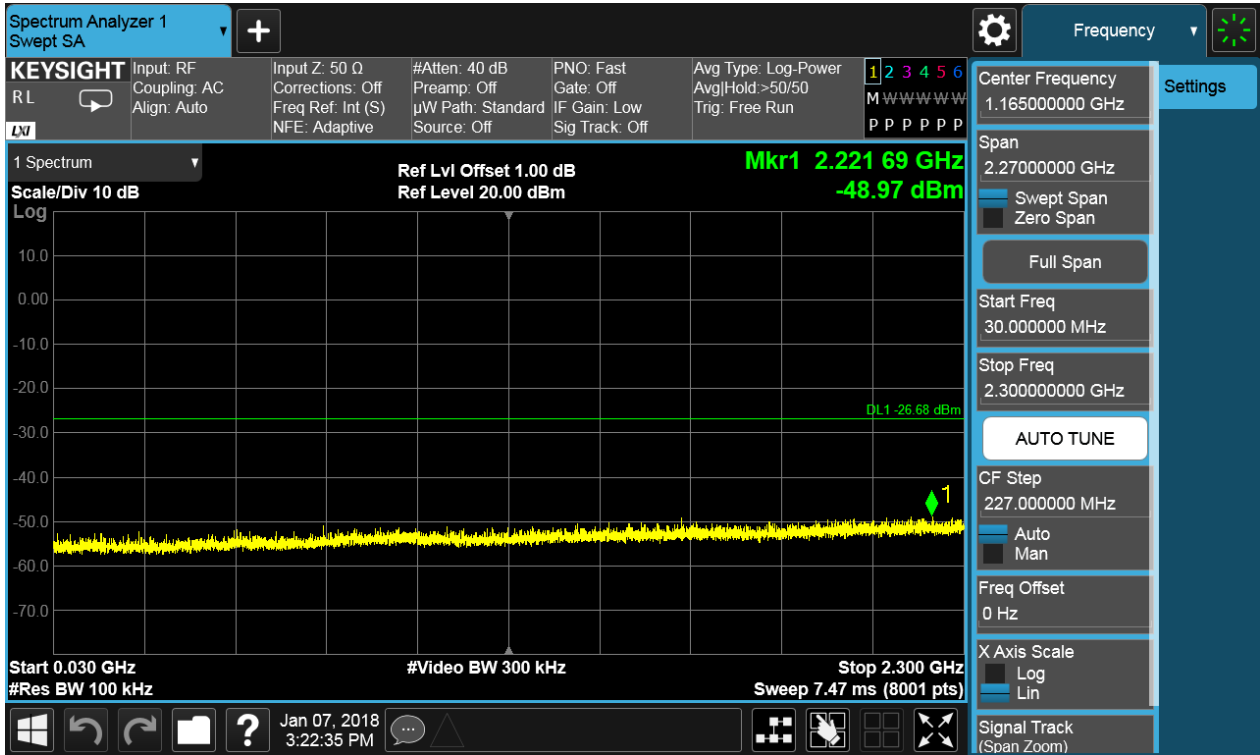


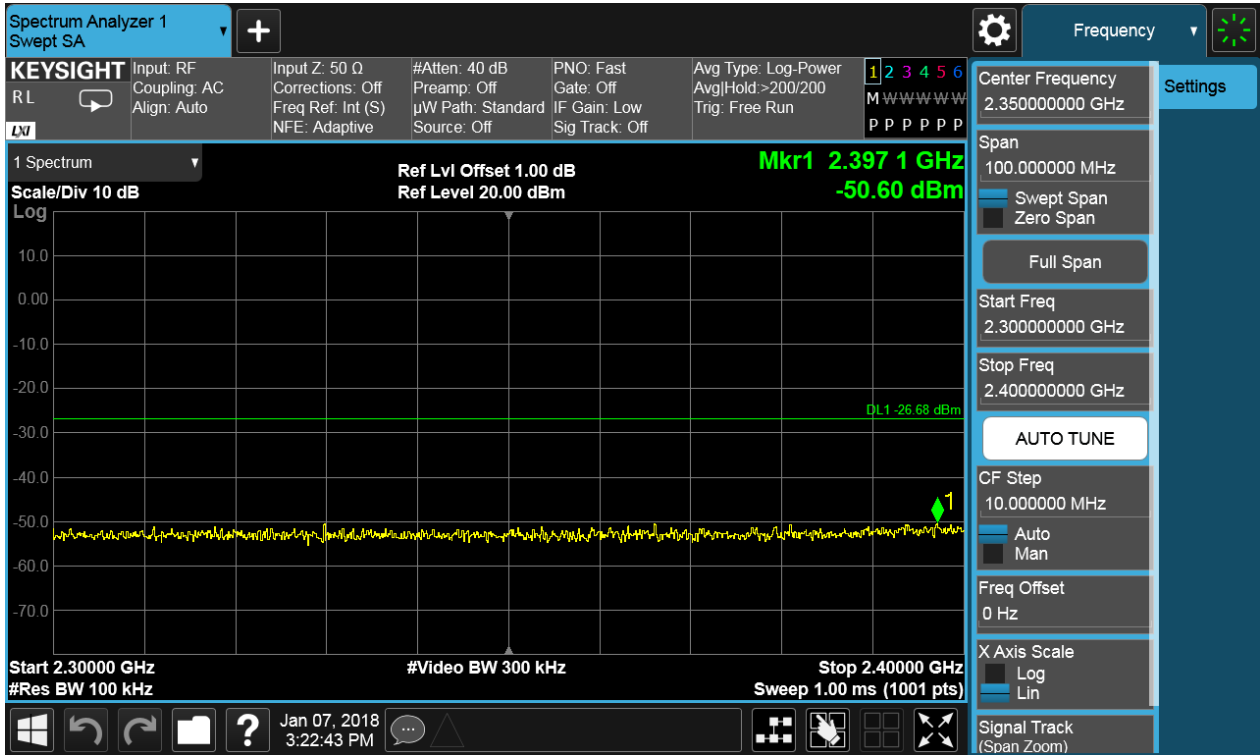


Puw:

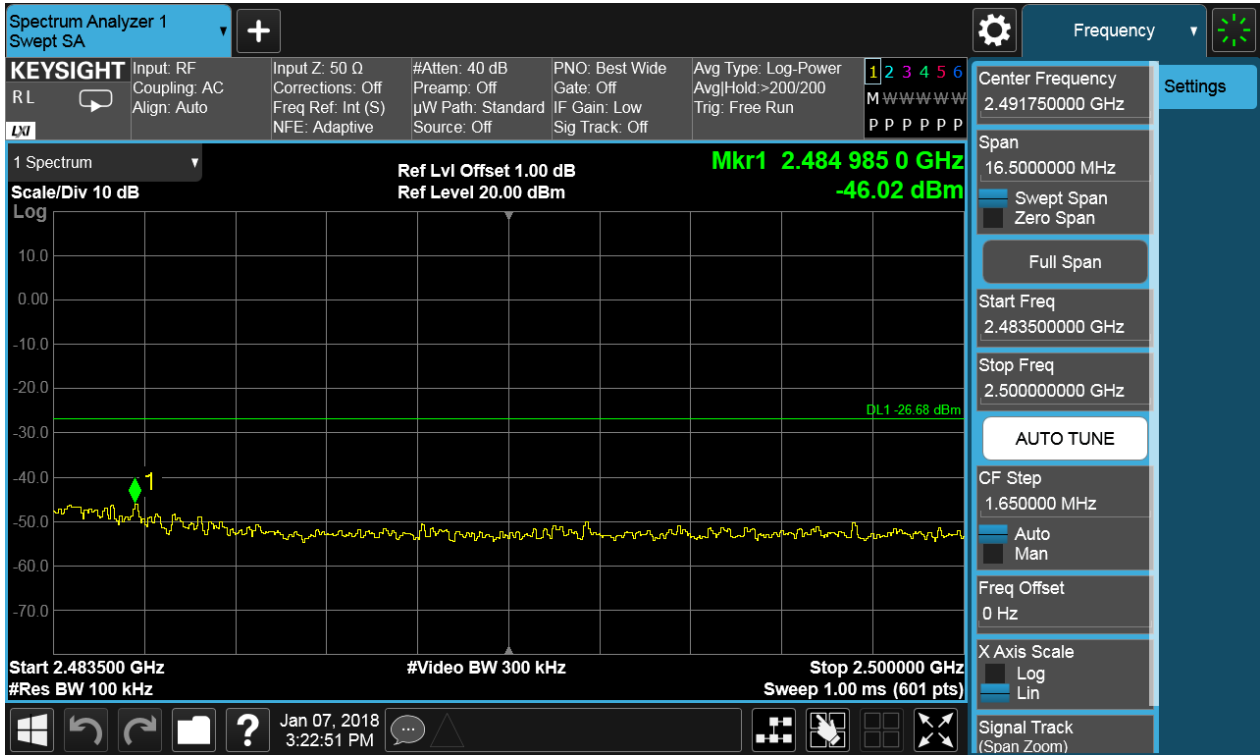


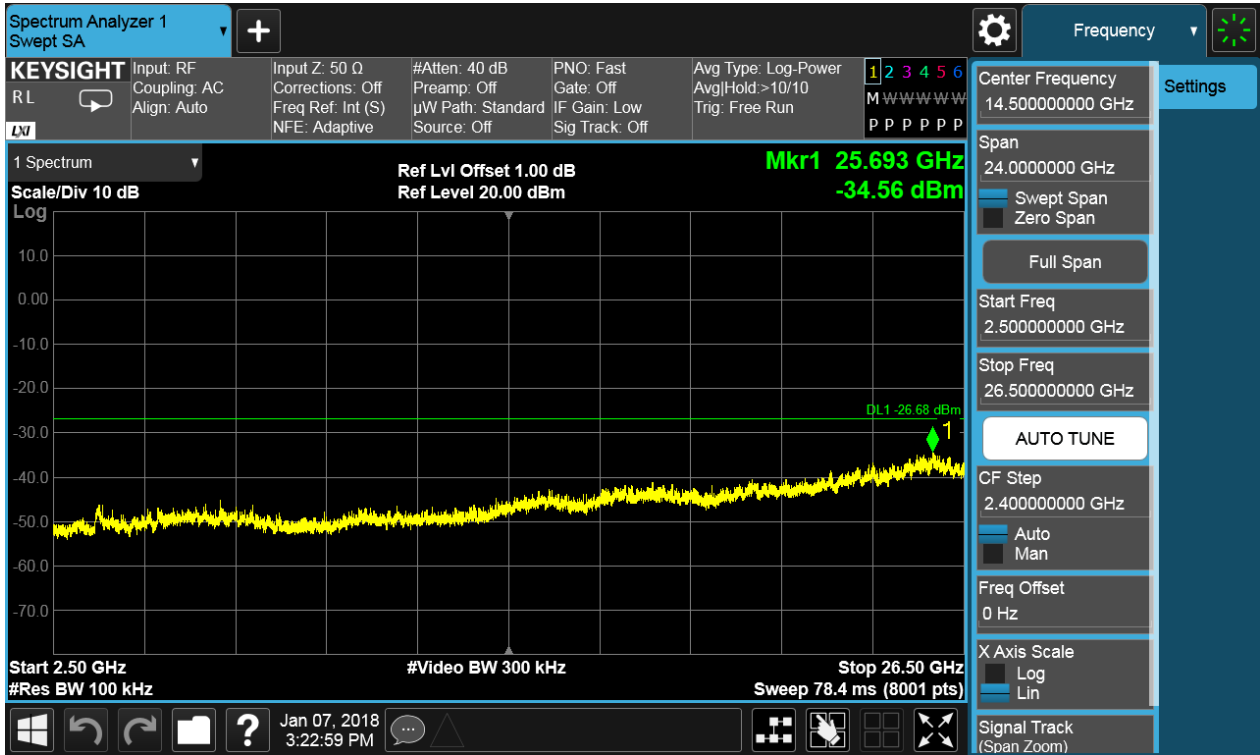








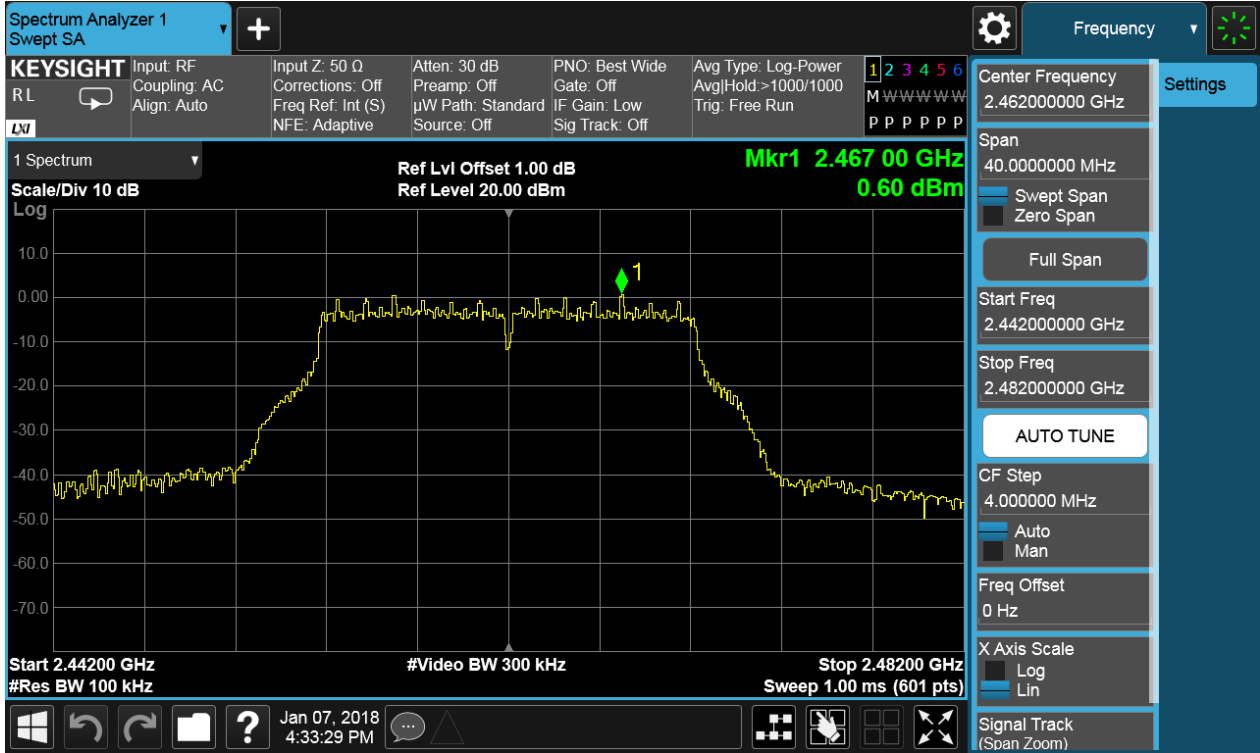






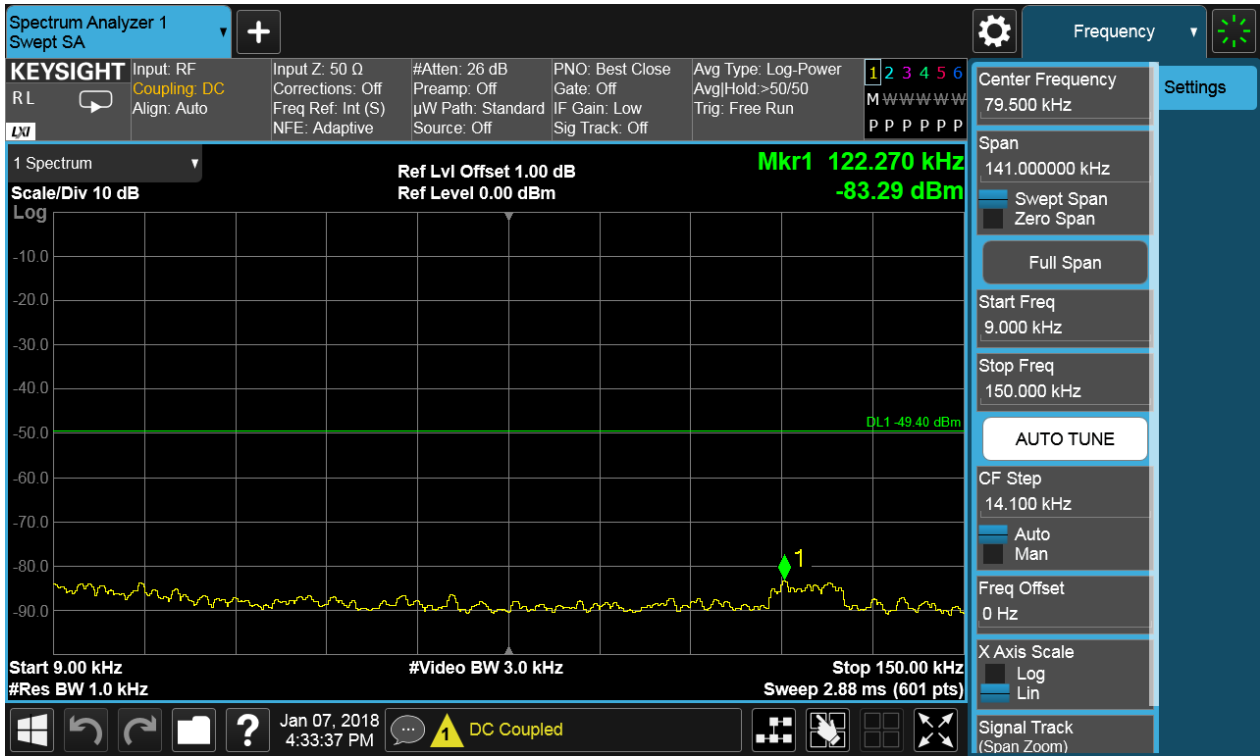
### 2.35 11G\_CDD H@Ant 2

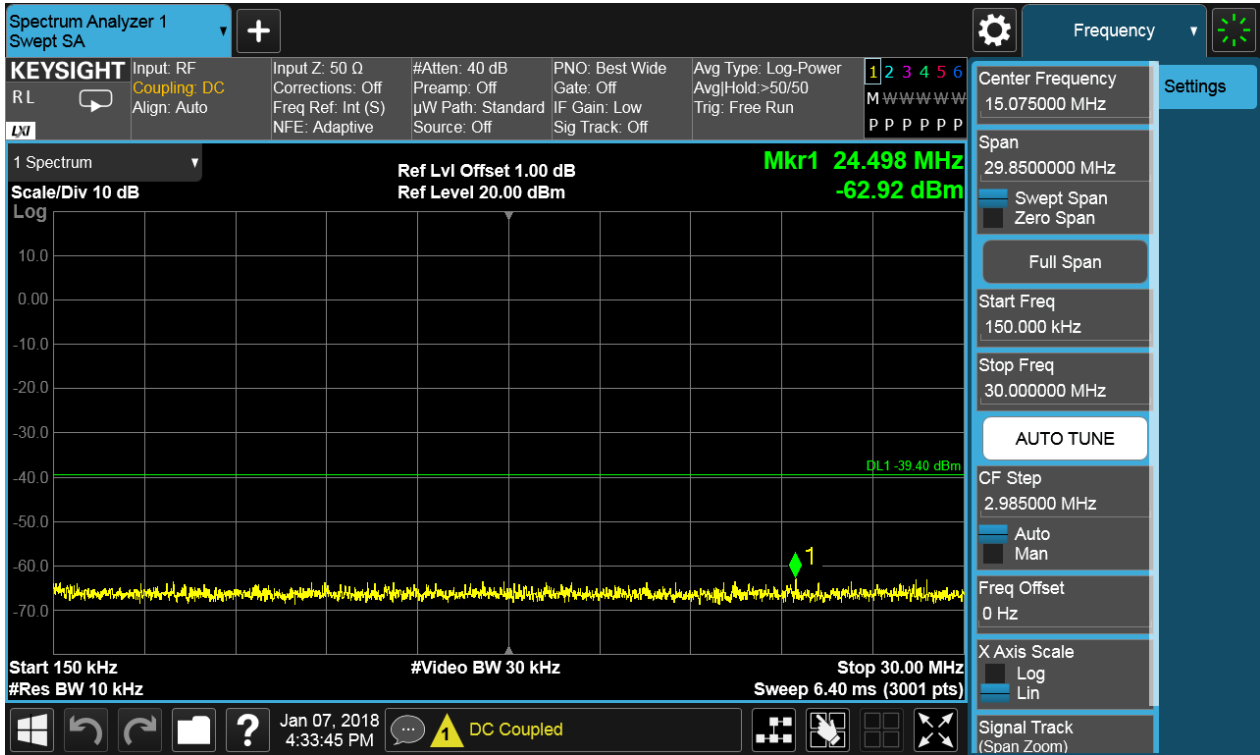
Pref:

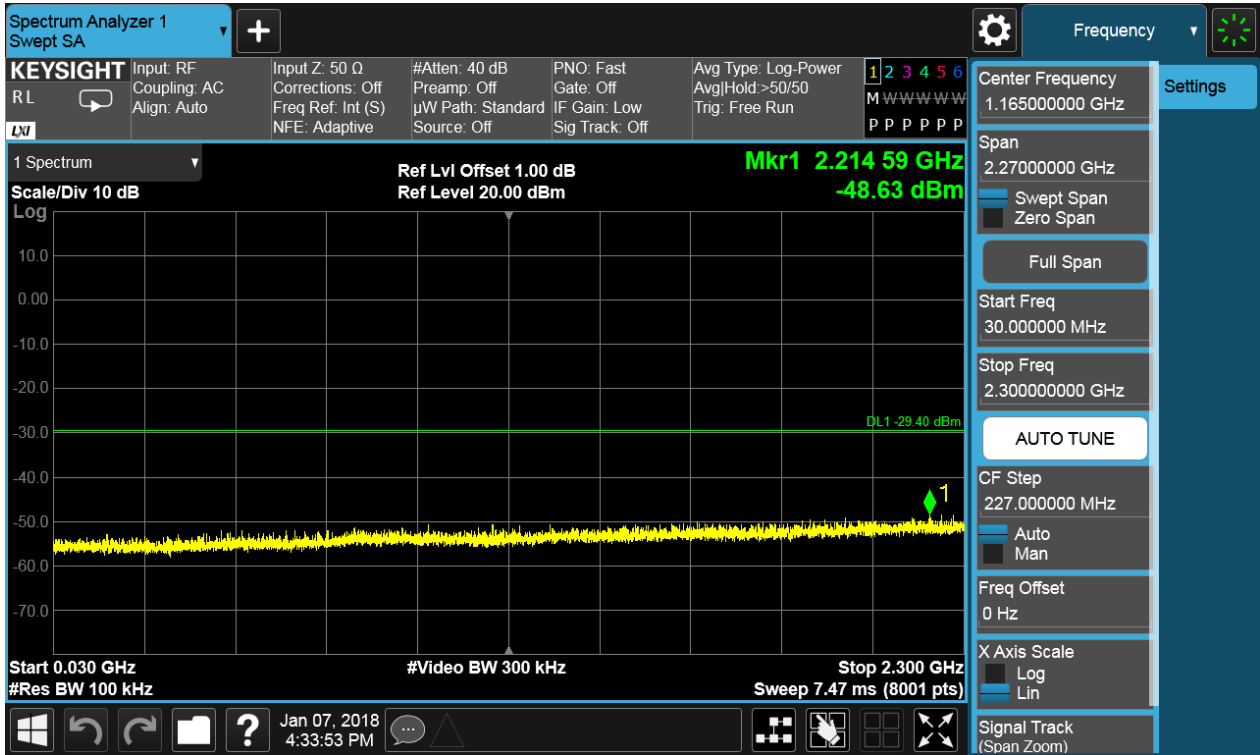


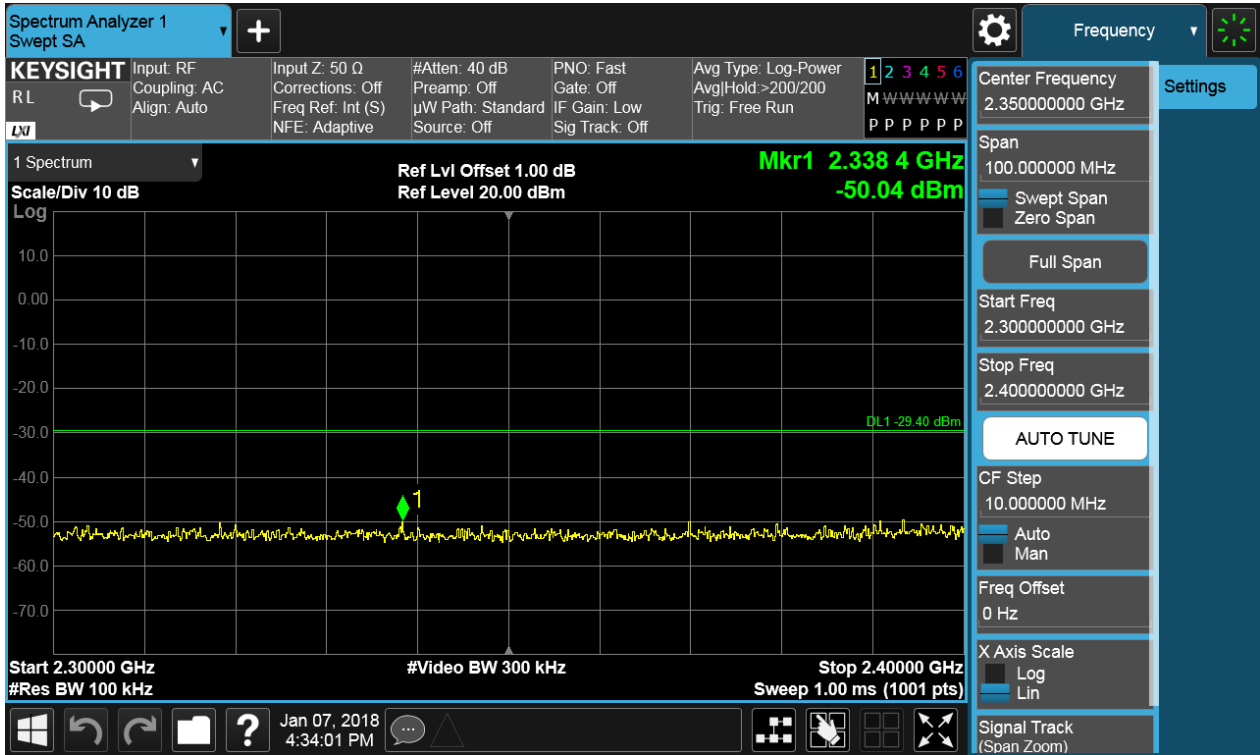


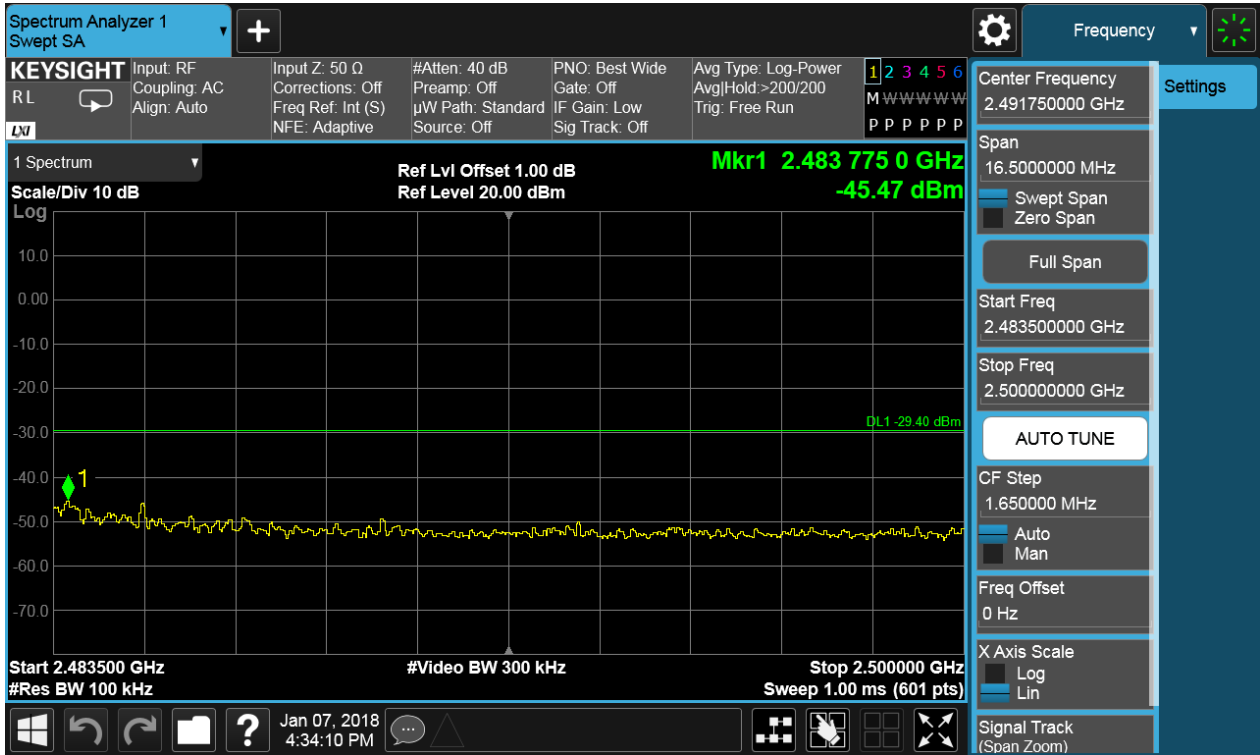
Puw:



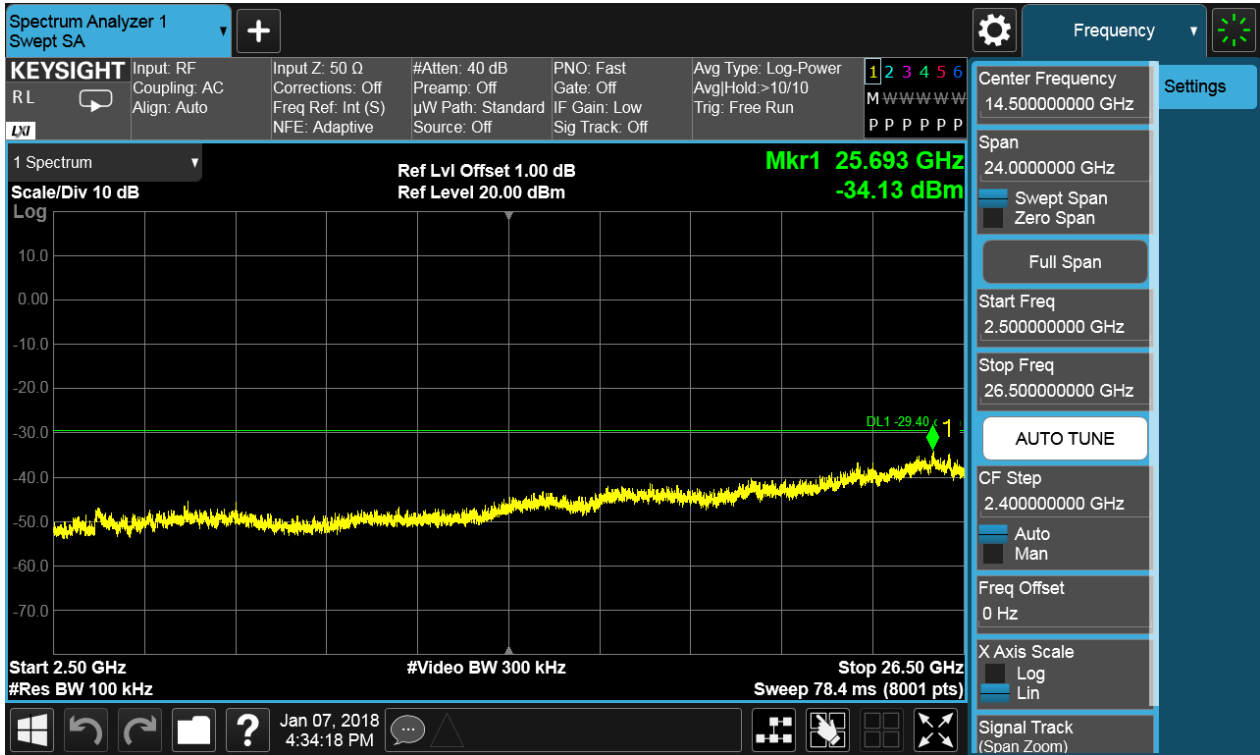












## Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note: We tested all modes, but the data presented below is the worst case.

Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

### 1.1 Part 1: Testing Range of “9 kHz to 30MHz”

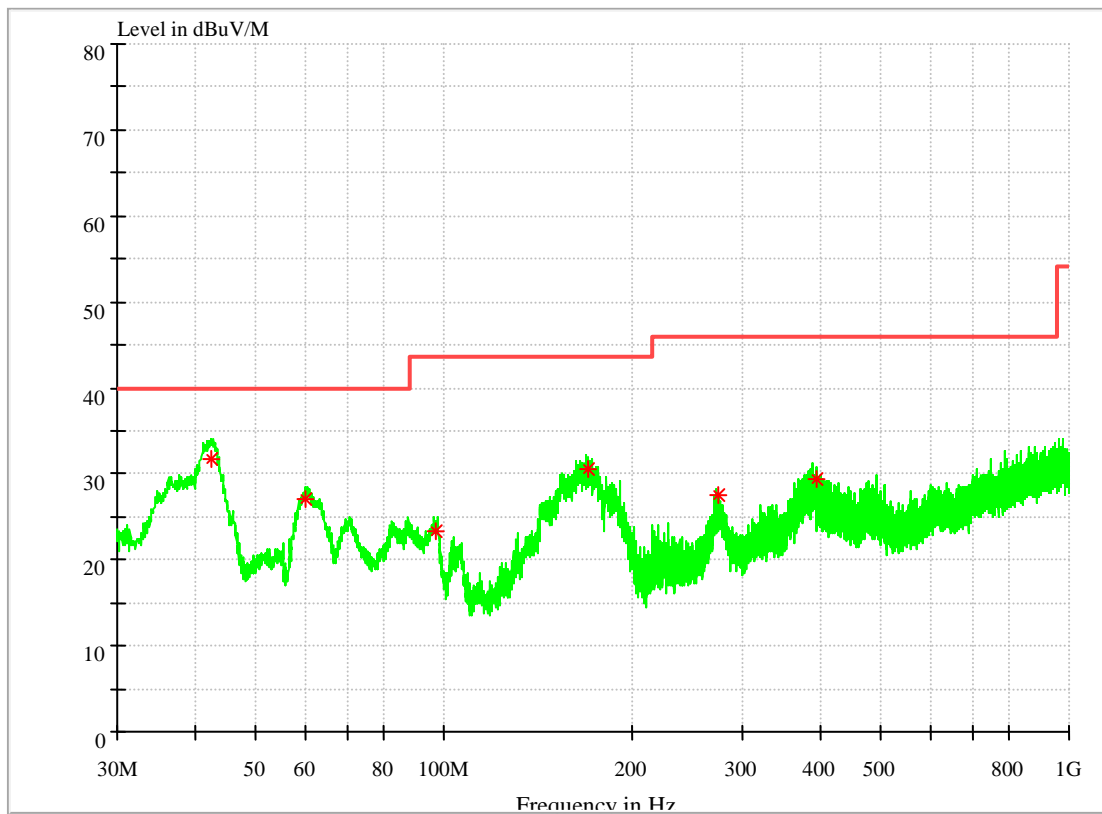
NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

### 1.2 Part 2: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).

Full Spectrum



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Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
42.504000	31.62	40.00	8.38	100.0	V	16.0	17.5
60.050860	27.12	40.00	12.88	101.0	V	6.0	12.2
96.887640	23.24	43.50	20.26	102.0	V	328.0	10.8
170.113200	30.48	43.50	13.02	101.0	V	260.0	11.5
275.320900	27.49	46.00	18.51	110.0	H	286.0	14.9
393.199840	29.42	46.00	16.58	100.0	V	321.0	18.7

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

### 1.3Part 3: Testing Range of “1 GHz to 3 GHz”

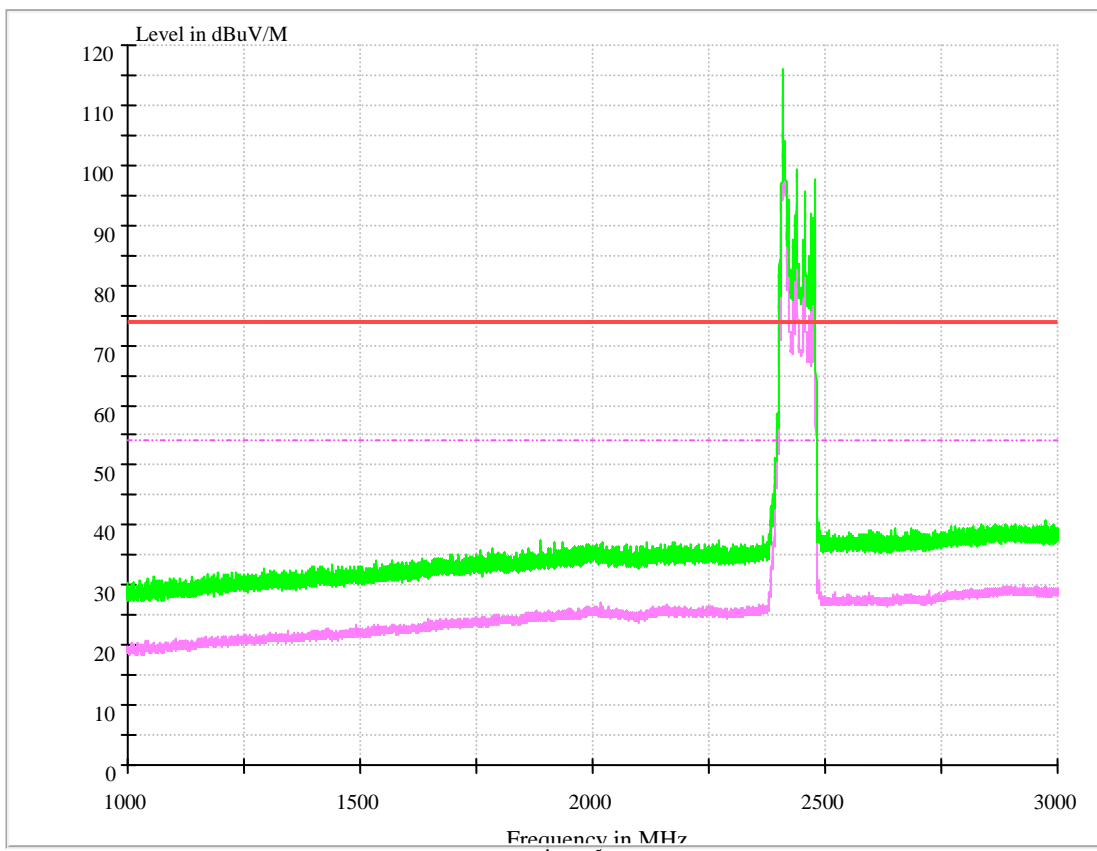
Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).

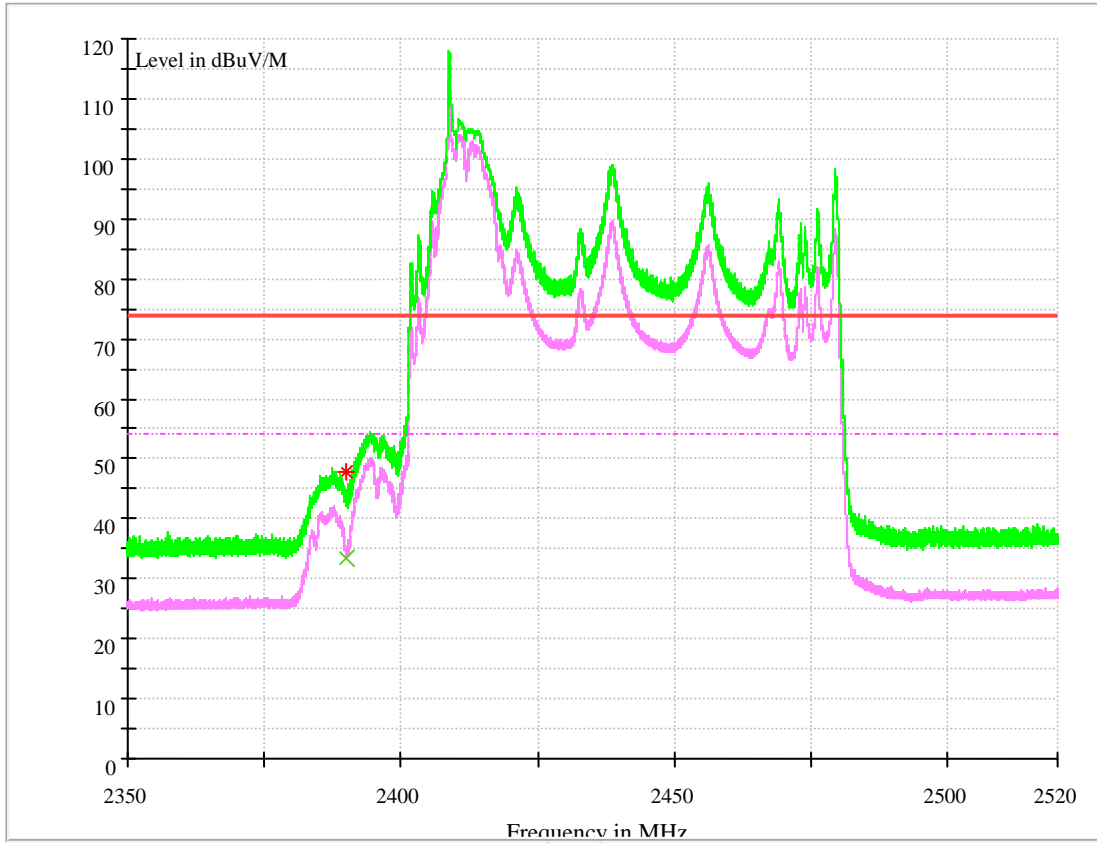
Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

Test Mode:

#### 1.3.1 Test Mode: 11B\_ANT1



1.3.1.1 Channel 1\_2412 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	33.58	54.00	20.42	150.0	H	258.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	47.74	74.00	26.26	150.0	H	264.0	-10.2

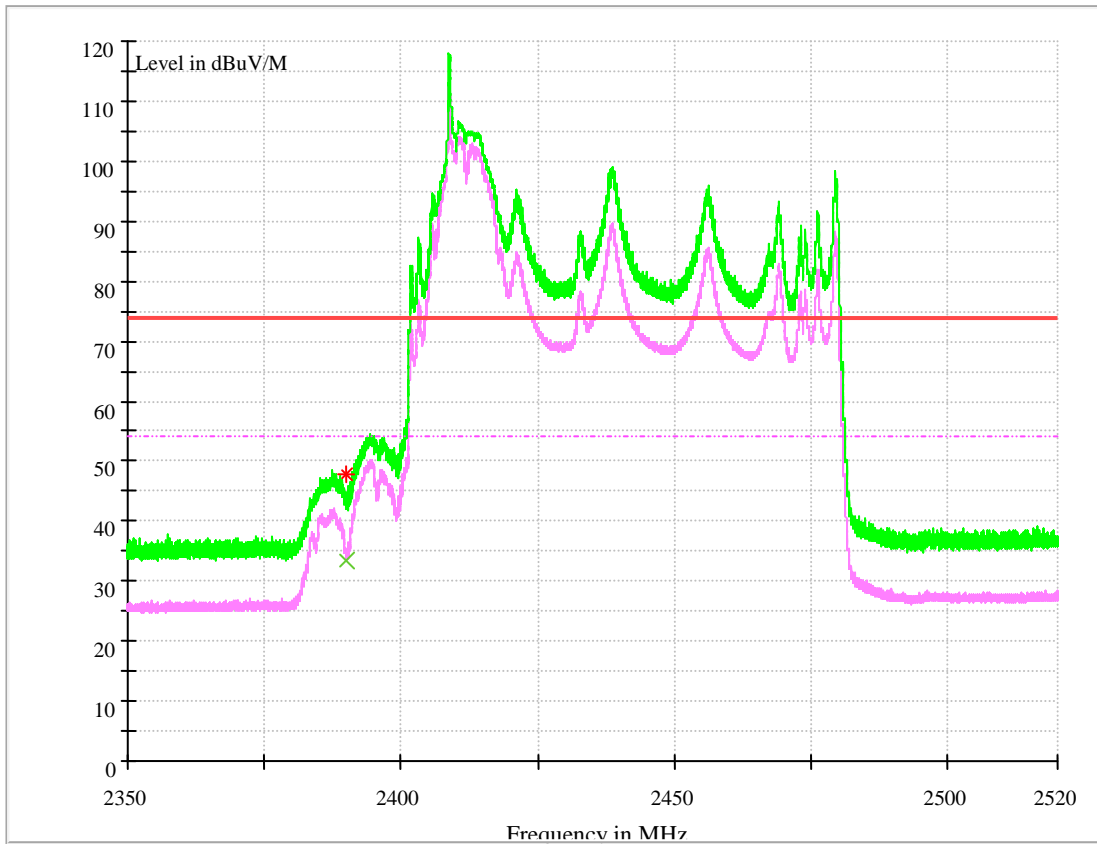
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

1.3.1.2 Channel 2\_2417 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	34.18	54.00	19.82	150.0	H	254.0	-10.2

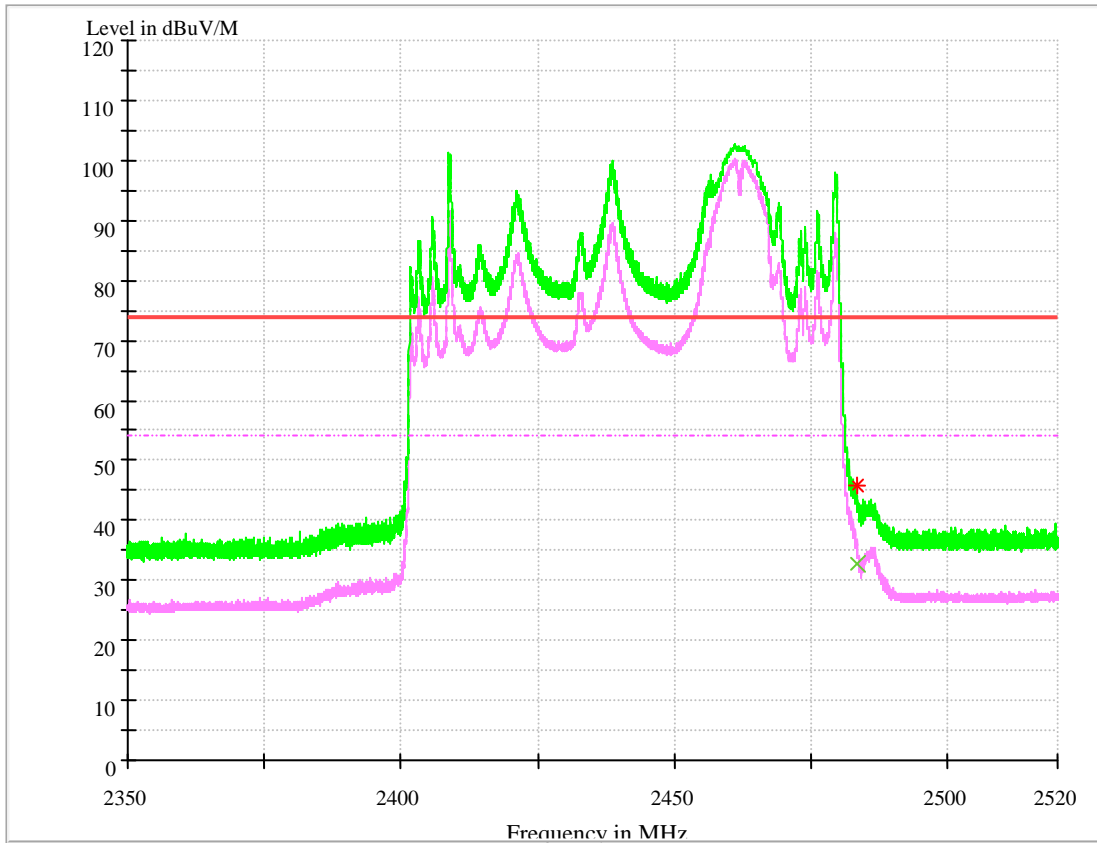
MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	46.78	74.00	27.22	150.0	H	254.0	-10.2

Note:

- 1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)  
The reading level is calculated by software which is not shown in the sheet.
- 2, Margin = Limit – Level

1.3.1.3 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	32.78	54.00	21.22	100.0	H	75.0	-6.8

MEASUREMENT RESULT: PK Detector

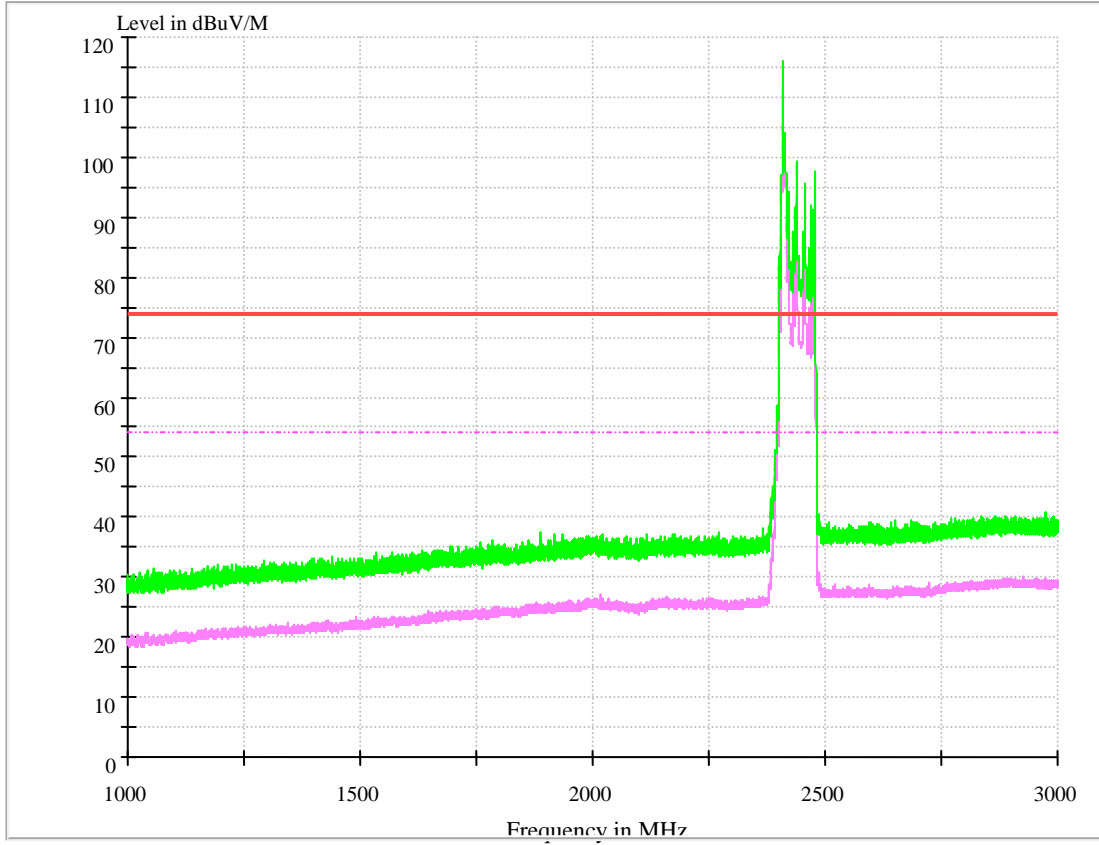
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	45.81	74.00	28.19	100.0	H	45.0	-6.8

Note:

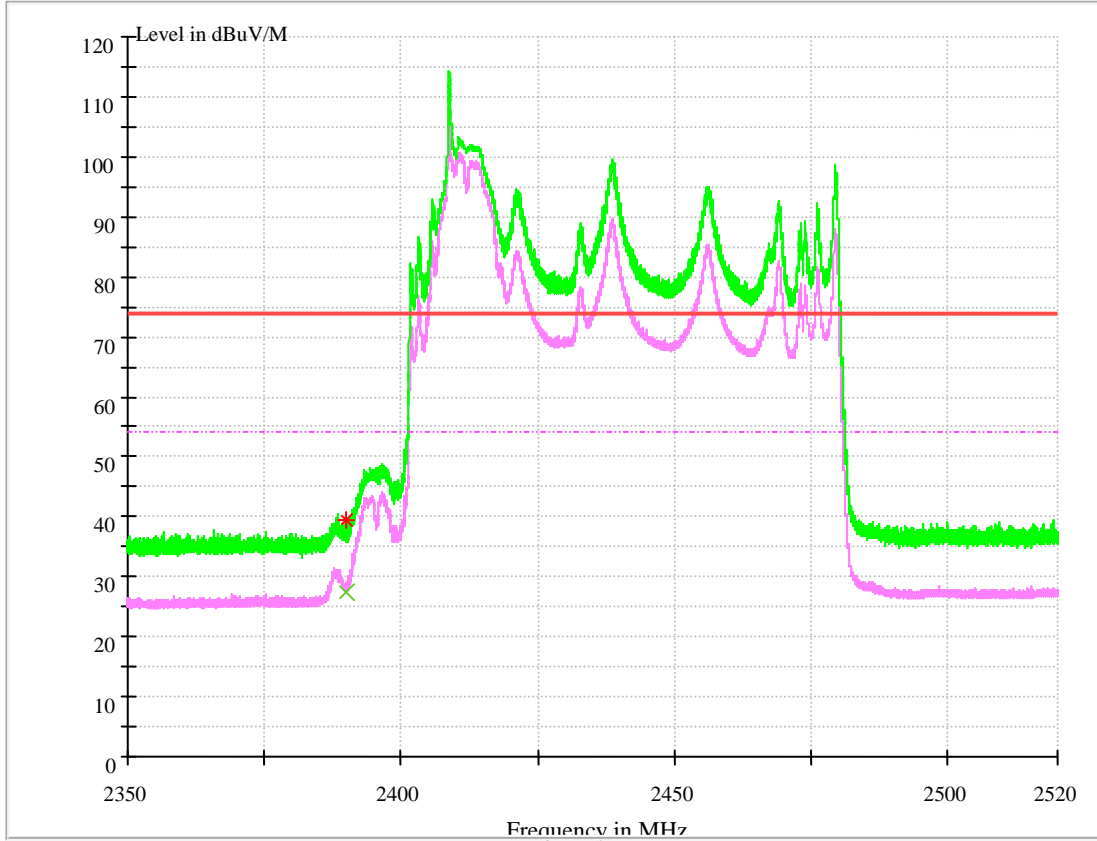
- 1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)  
The reading level is calculated by software which is not shown in the sheet.
- 2, Margin=Limit - Level



1.3.2 Test Mode: 11B\_ANT2



1.3.2.1 Channel 1\_ @Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	27.44	54.00	26.56	150.0	H	45.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	39.53	74.00	34.47	100.0	H	165.0	-10.2

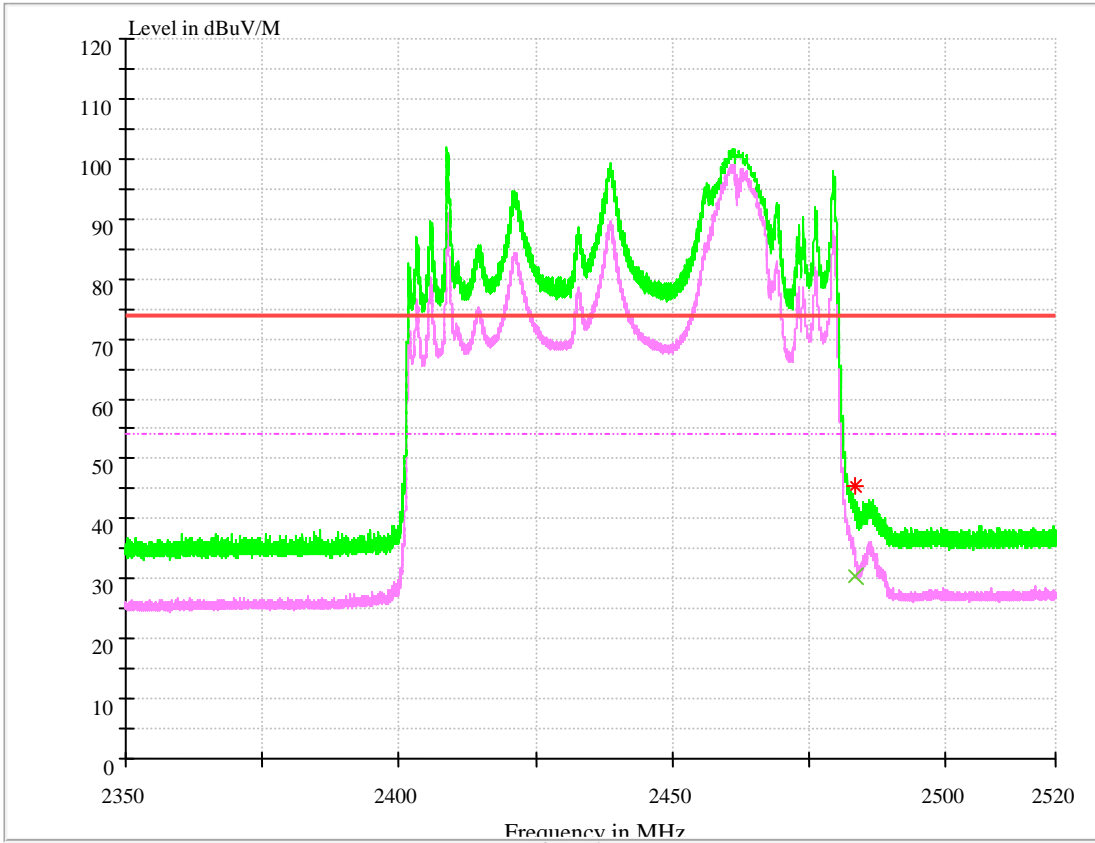
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit – Level

1.3.2.2 Channel 11\_@Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	30.49	54.00	23.51	150.0	H	46.0	-6.8

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	45.30	74.00	28.70	150.0	H	41.0	-6.8

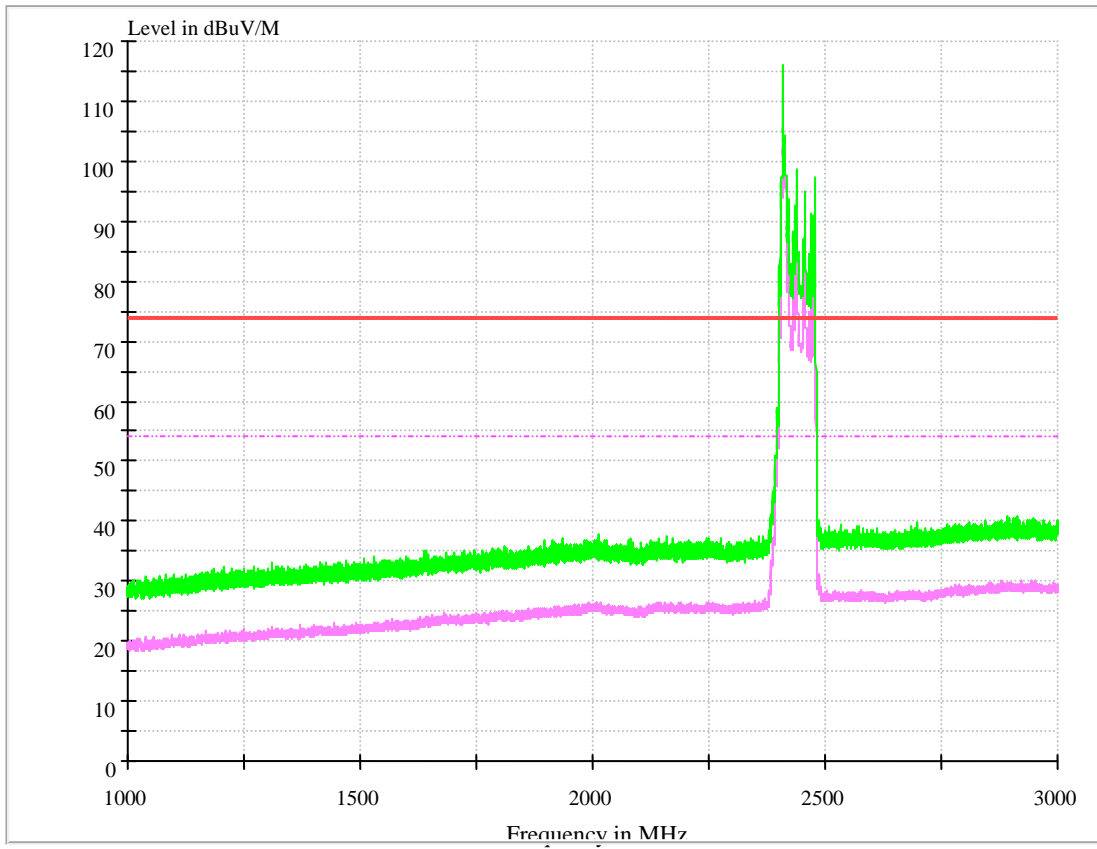
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

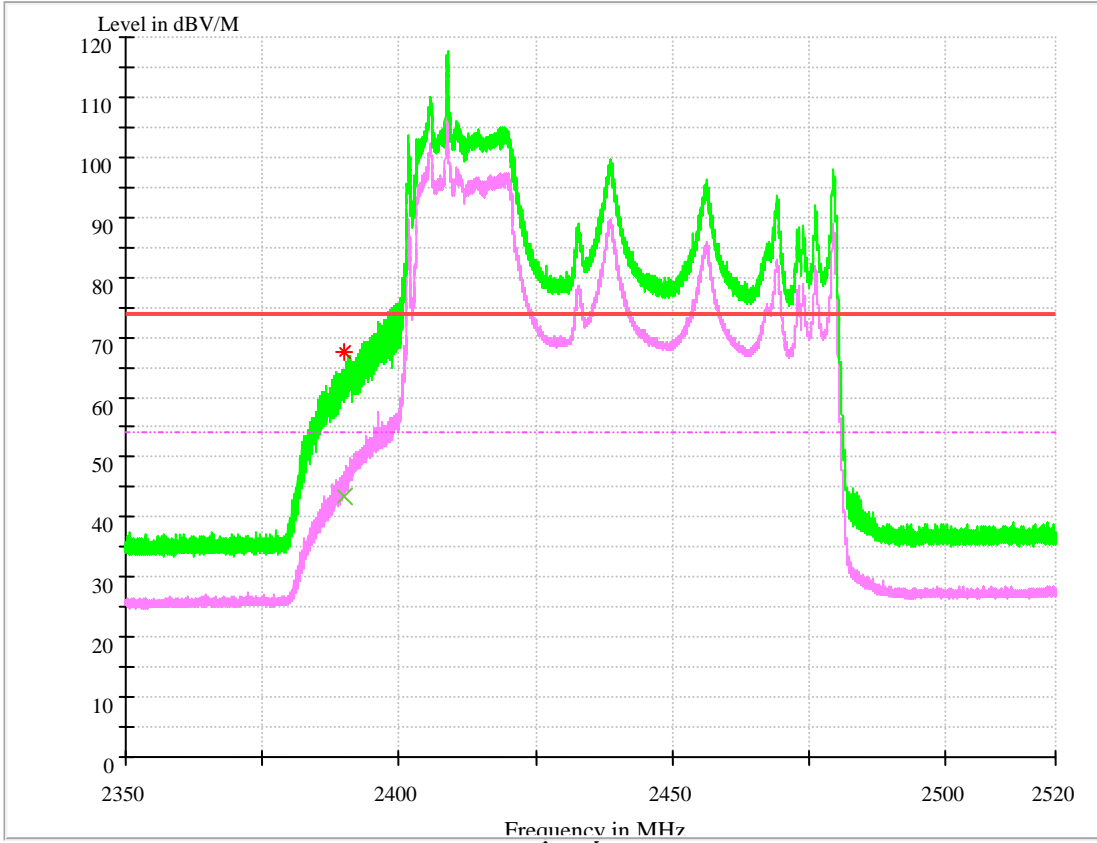
The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.3.3 Test Mode: 11G\_ANT1



1.3.3.1 Channel 1\_2412 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	43.51	54.00	10.49	150.0	H	45.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	67.42	74.00	6.58	150.0	H	18.0	-10.2

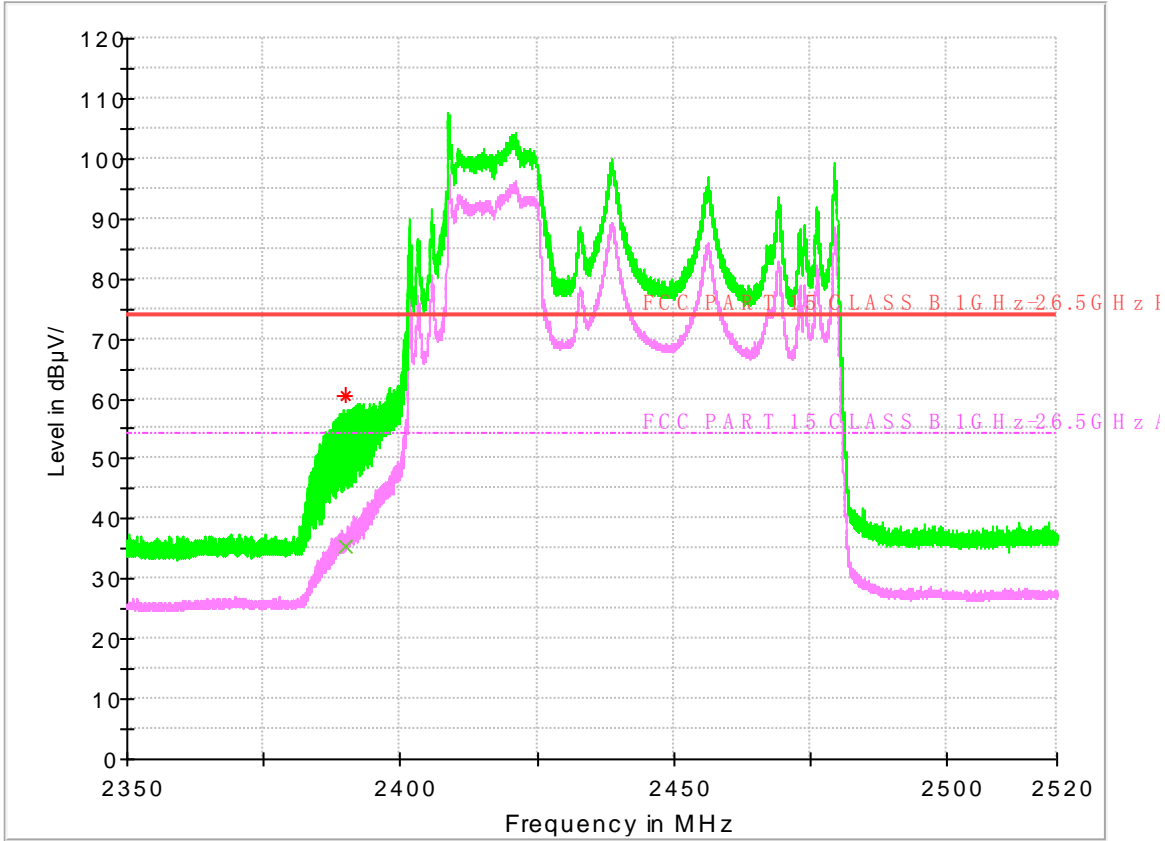
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.3.3.2 Channel 2\_2417 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	35.46	54.00	18.54	150.0	H	254.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	60.61	74.00	13.39	150.0	H	264.0	-10.2

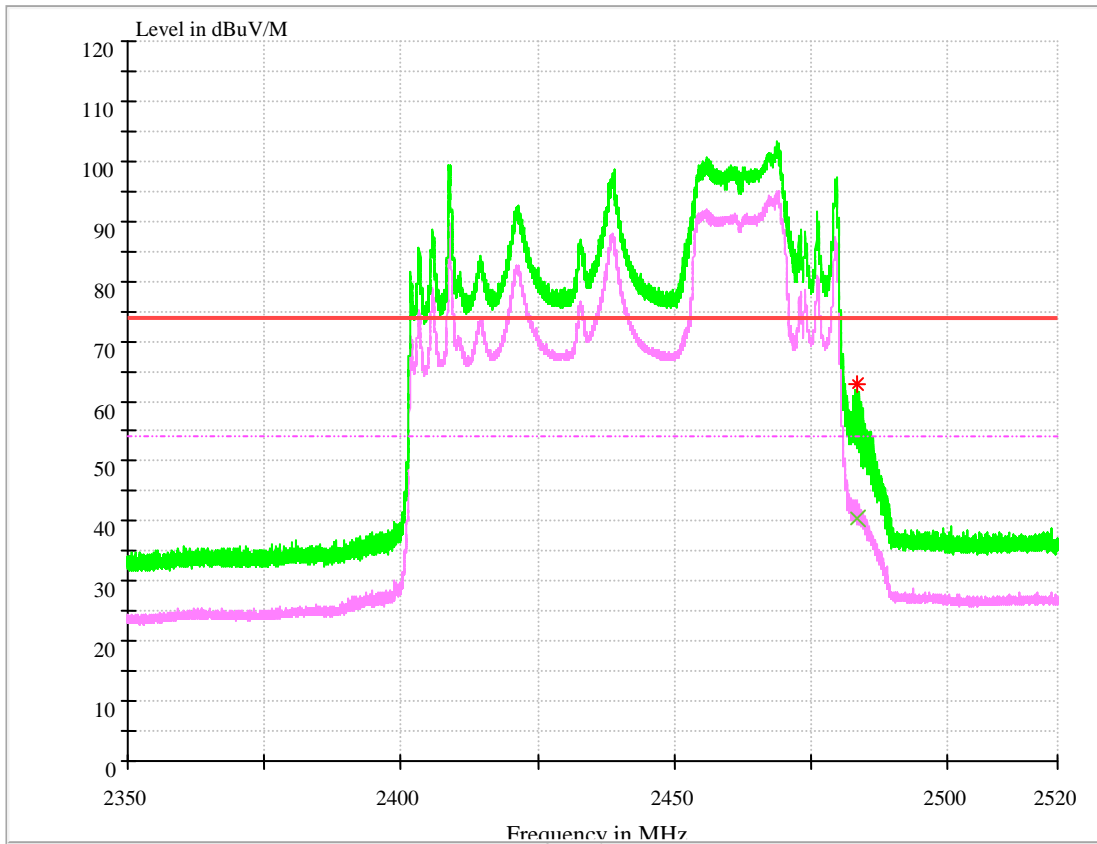
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.3.3.3 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	40.29	54.00	13.71	150.0	H	52.0	-6.8

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	62.82	74.00	11.18	150.0	H	52.0	-6.8

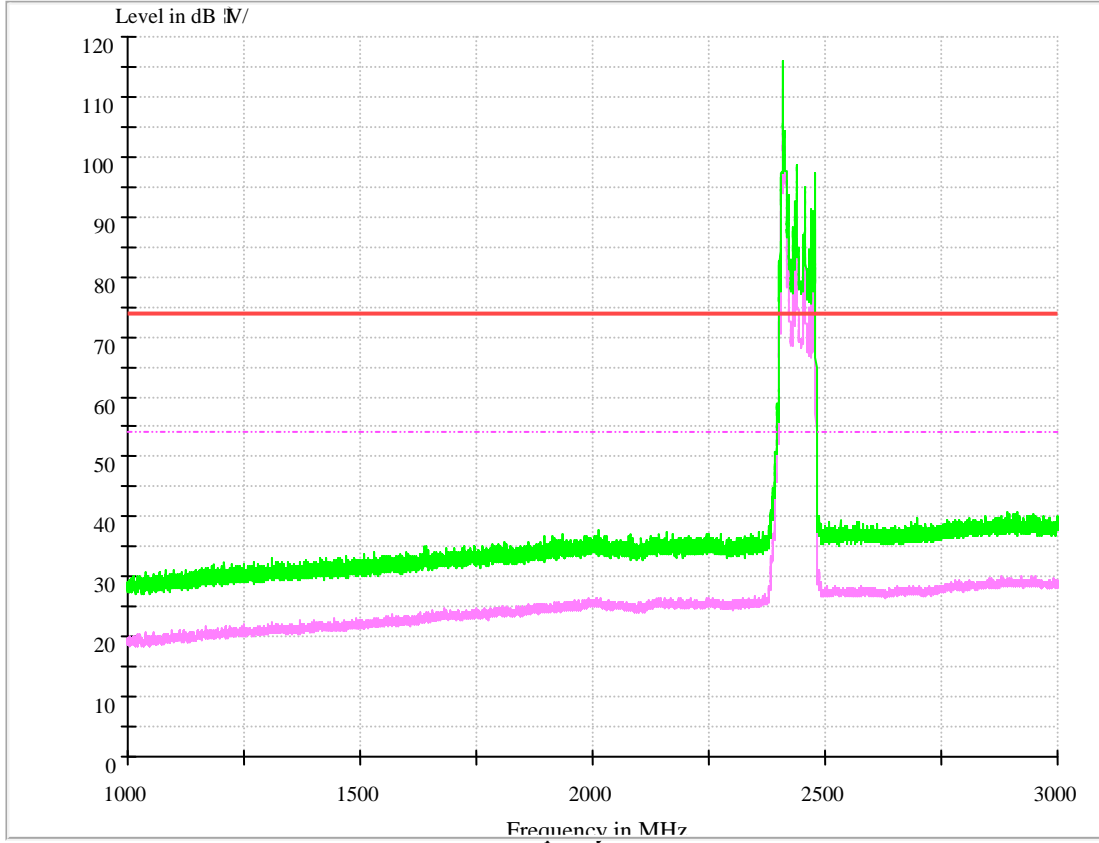
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

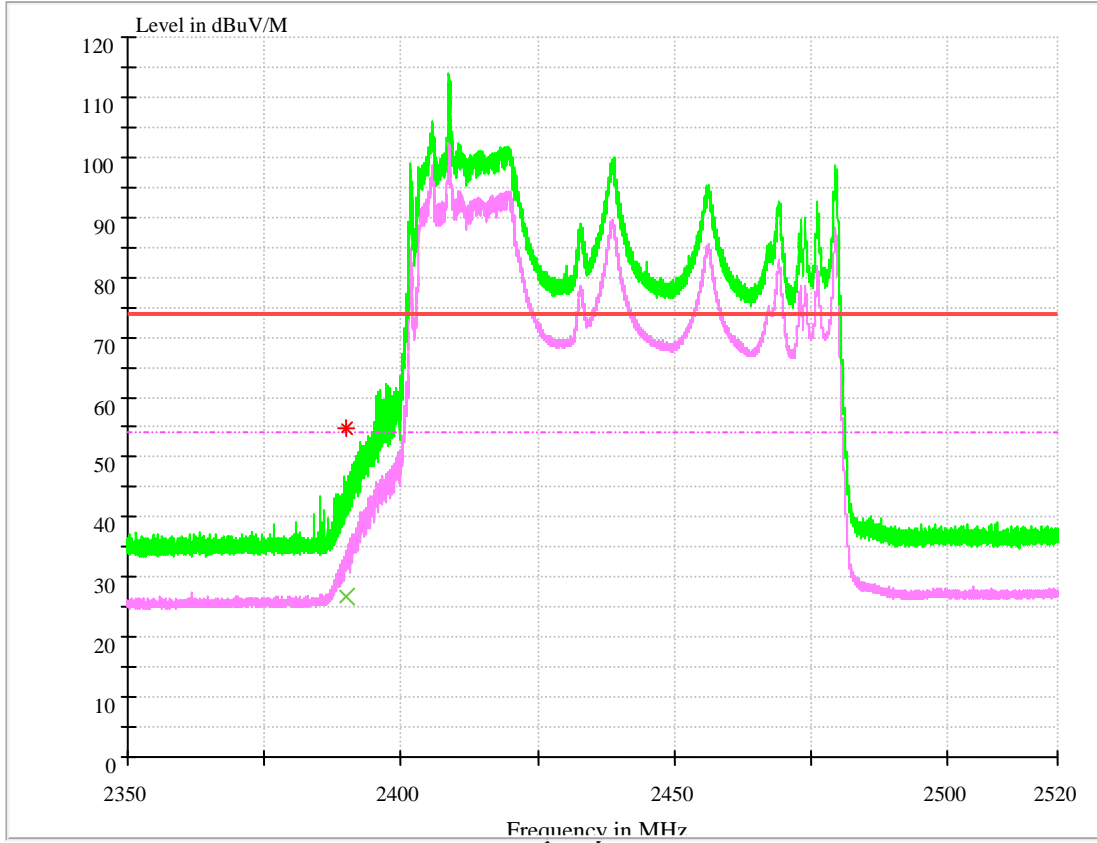
2, Margin=Limit – Level

### 1.3.4 Test Mode: 11G\_ANT2





1.3.4.1 Channel 1 @Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	26.67	54.00	27.33	150.0	V	165.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	54.67	74.00	19.33	150.0	H	45.0	-10.2

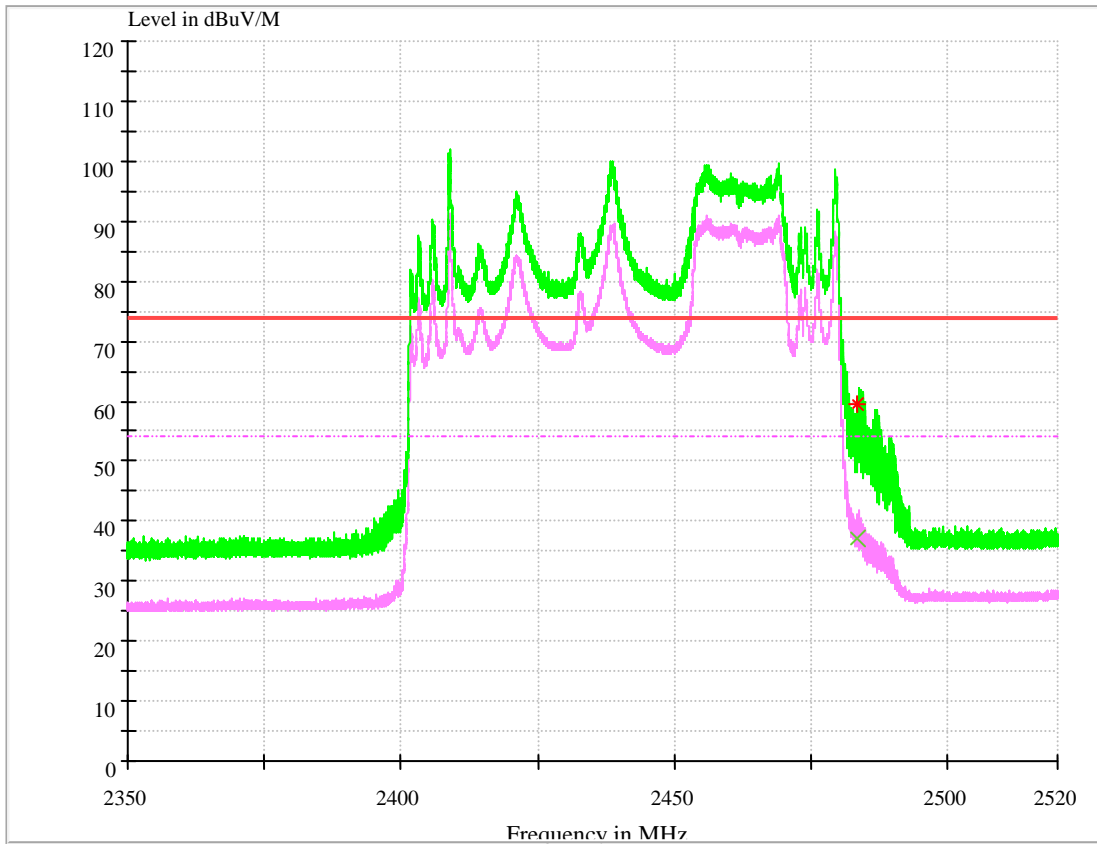
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

1.3.4.2 Channel 11@Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	37.09	54.00	16.91	150.0	H	162.0	-7.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	59.46	74.00	14.54	150.0	H	135.0	-7.2

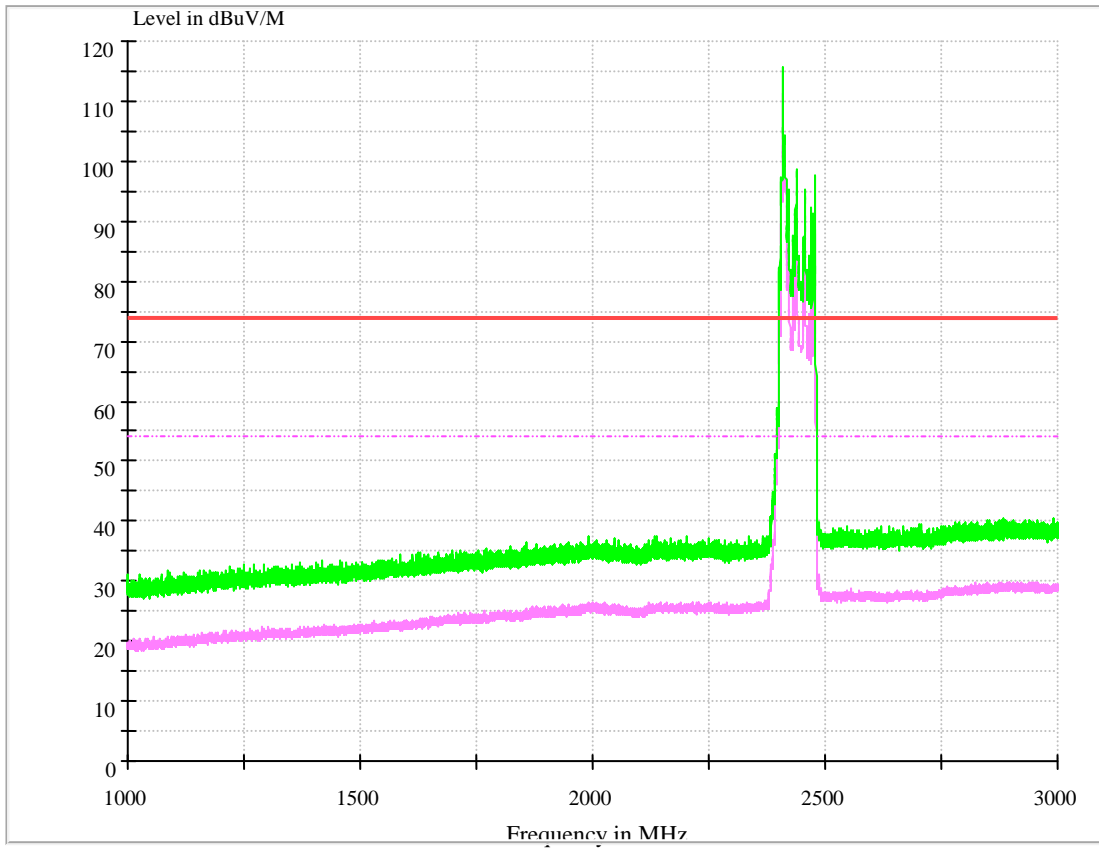
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

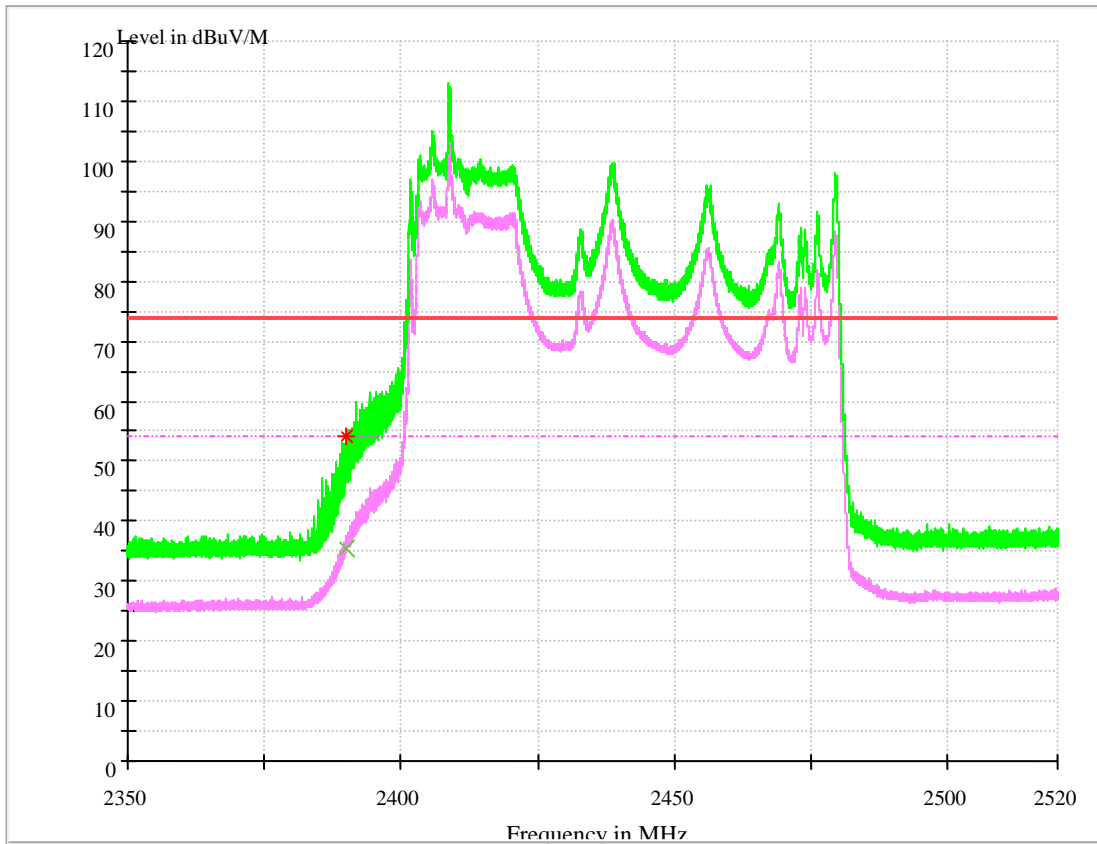
The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

1.3.5 Test Mode: 11N20\_ANT1



1.3.5.1 Channel 1\_2412@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	35.34	54.00	18.66	150.0	H	33.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	54.21	74.00	19.79	150.0	V	-18.0	-10.2

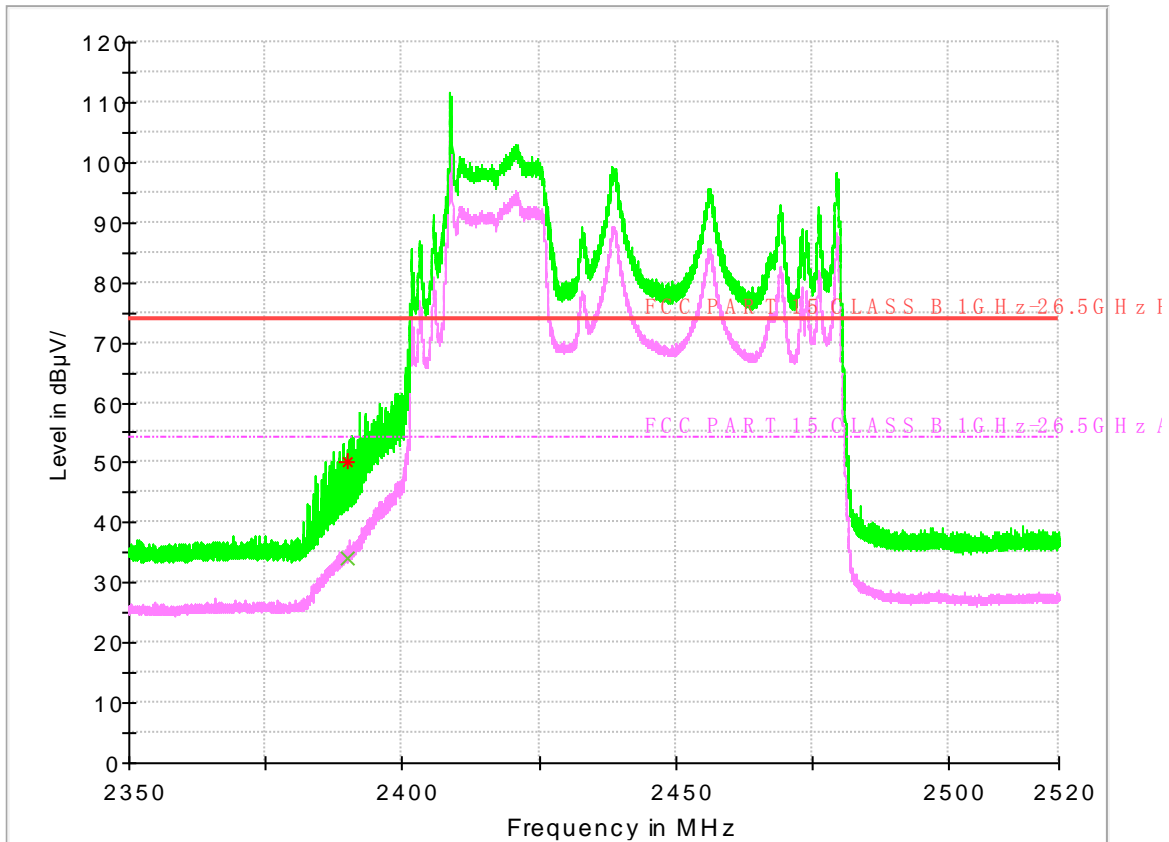
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

1.3.5.2 Channel 2\_2417@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	34.06	54.00	19.94	150.0	H	255.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	54.21	74.00	19.79	150.0	V	231.0	-10.2

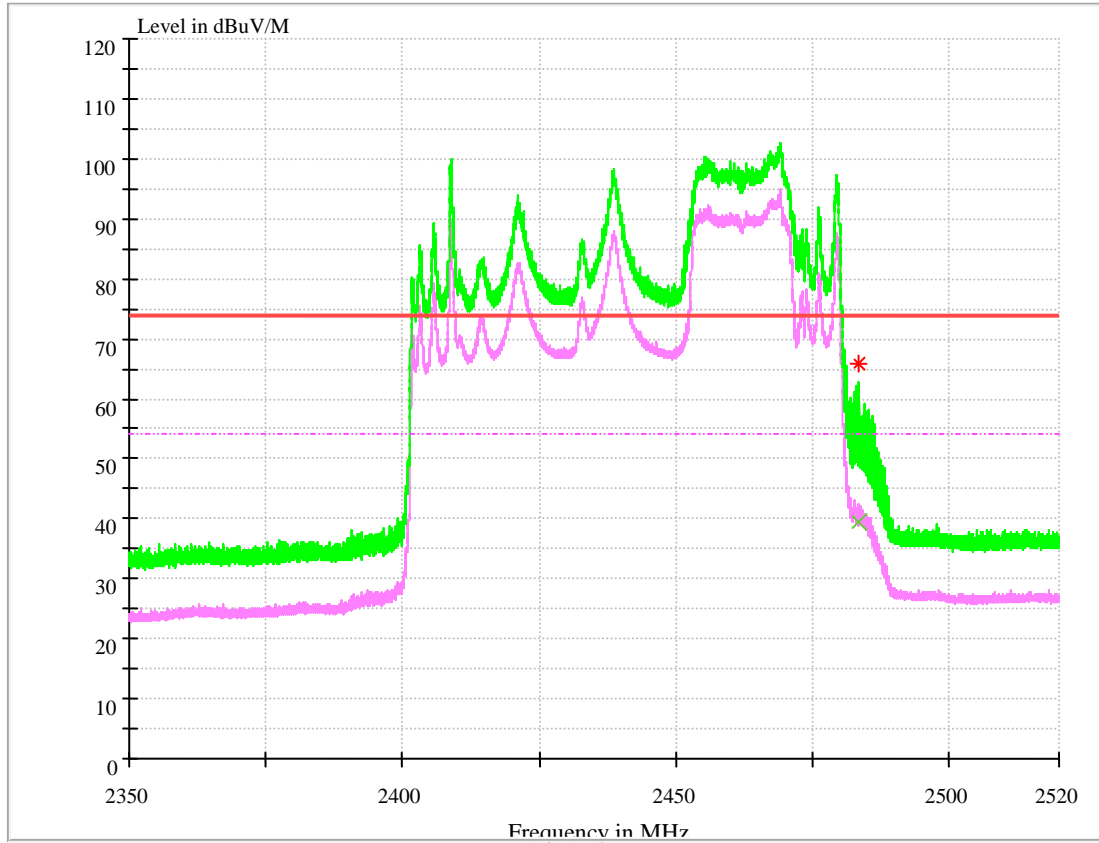
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.3.5.3 Channel 11 @Ant1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	39.35	54.00	14.65	150.0	V	74.0	-6.8

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	65.79	74.00	8.21	150.0	H	74.0	-6.8

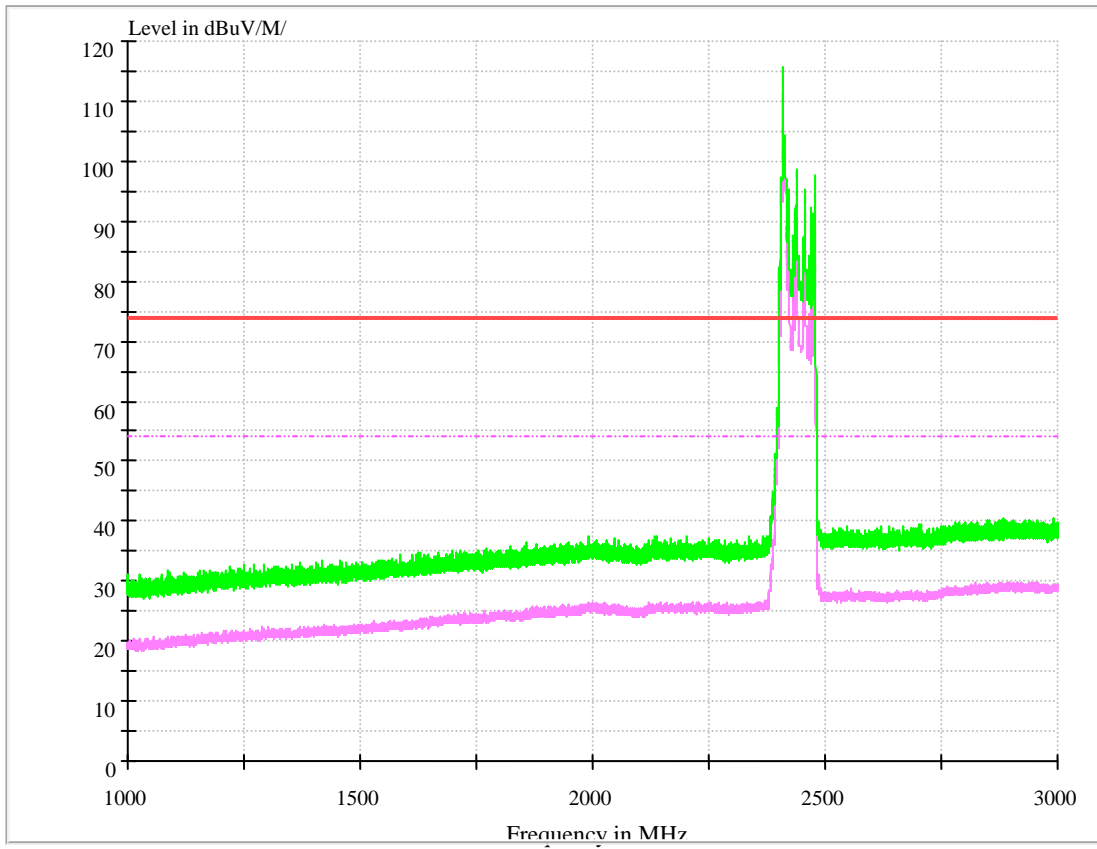
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

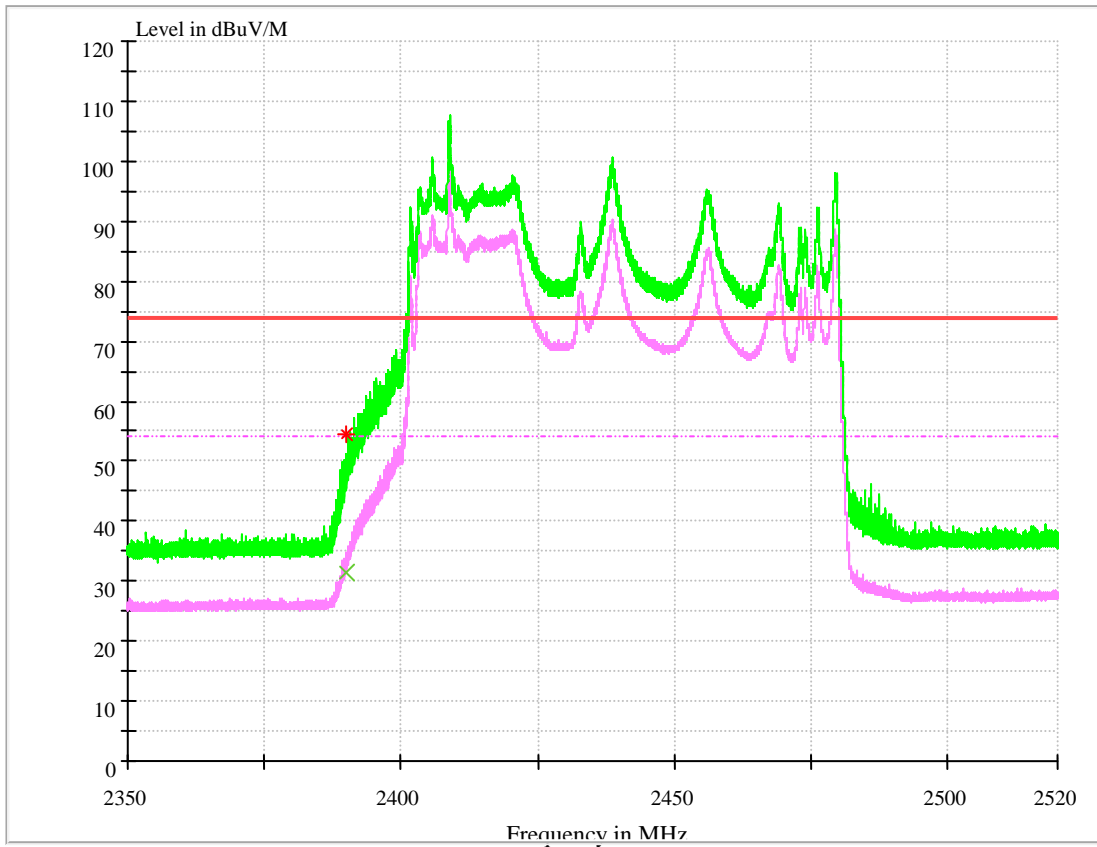
The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

1.3.6 Test Mode: 11N20\_ANT2



1.3.6.1 Channel 1 @Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	31.46	54.00	22.54	150.0	H	85.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	54.56	74.00	19.44	150.0	V	82.0	-10.2

Note:

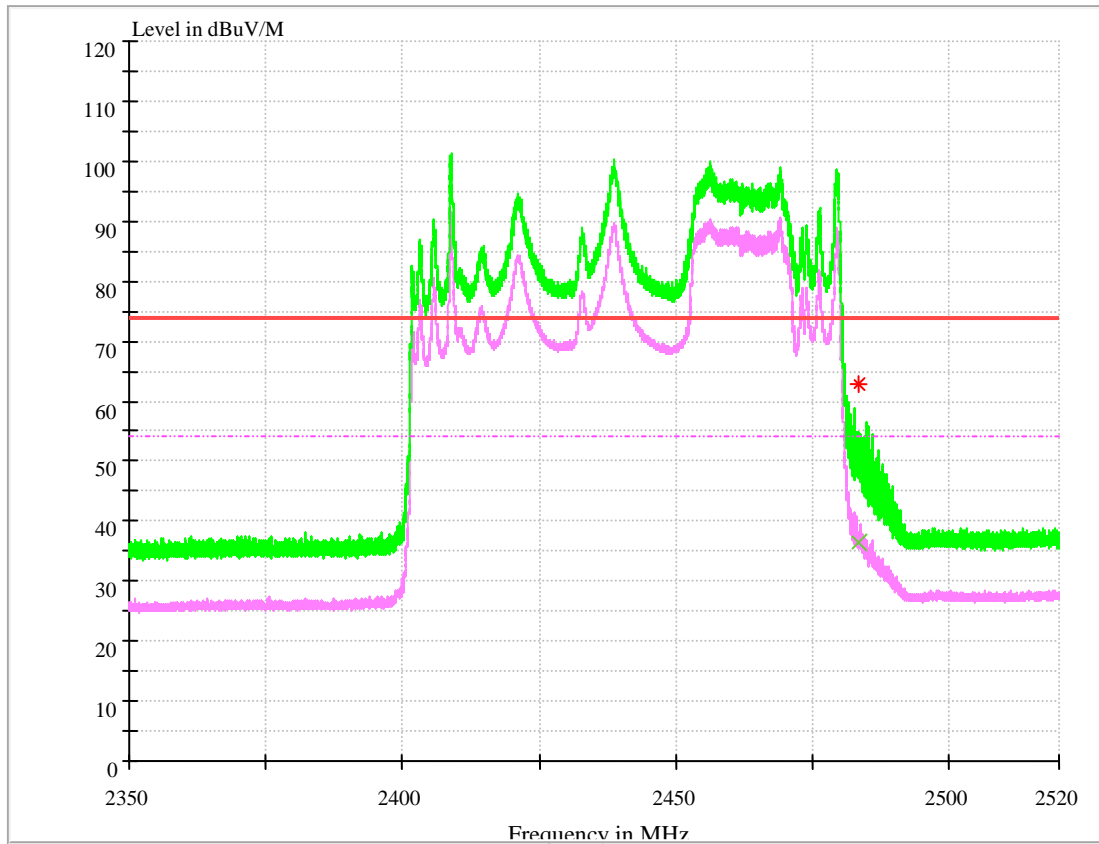
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level



1.3.6.2 Channel 11@Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	36.40	54.00	17.60	150.0	H	154.0	-6.8

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	62.73	74.00	11.27	150.0	H	135.0	-6.8

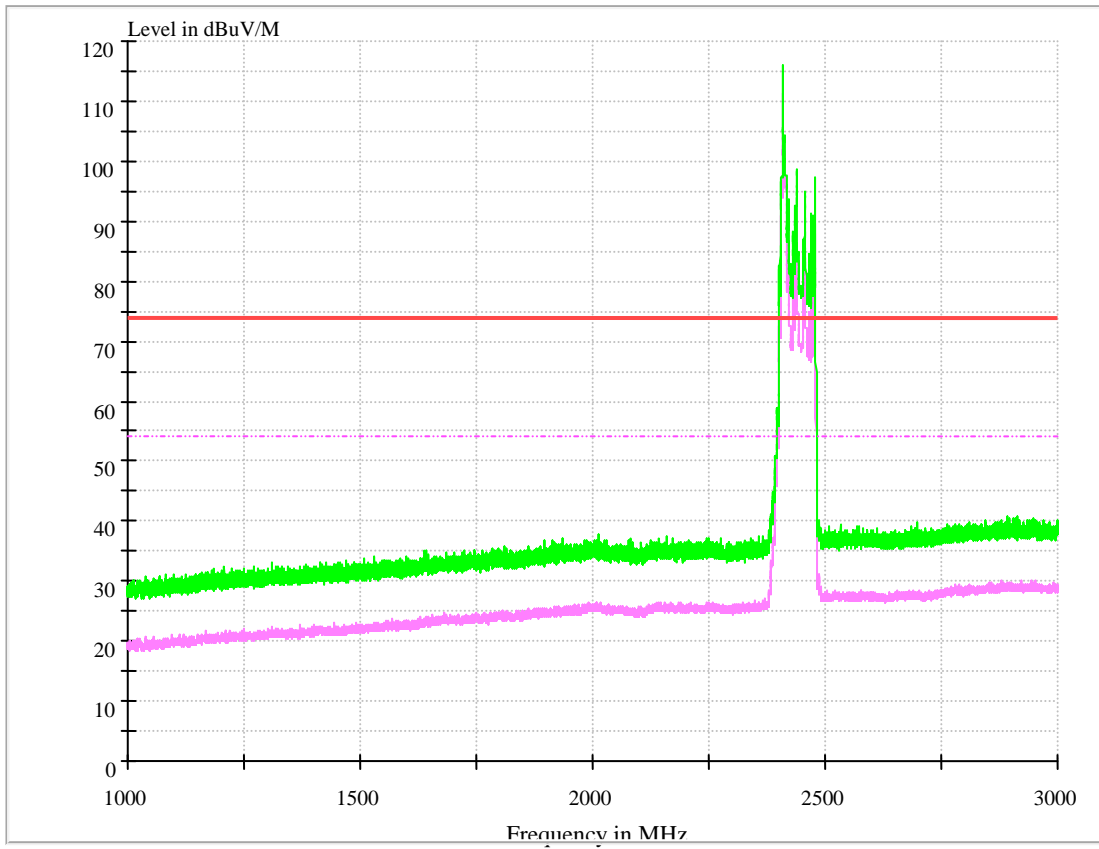
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

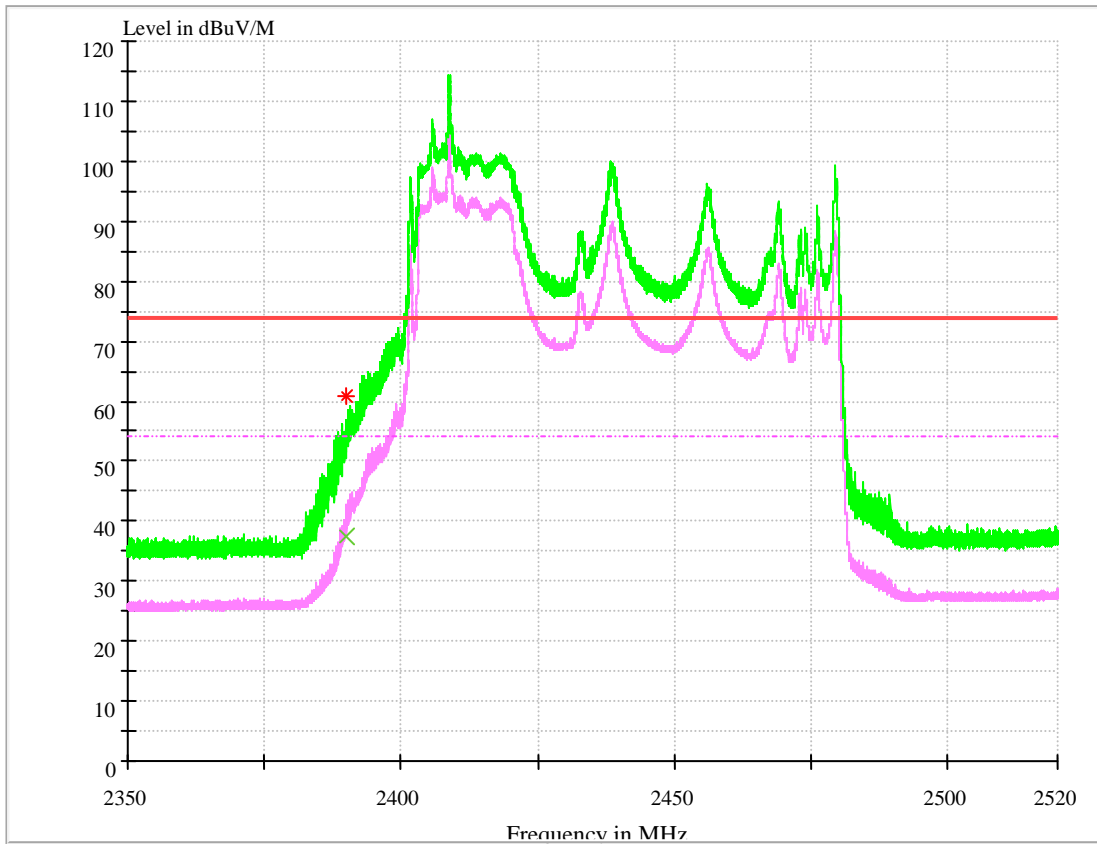
The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

1.3.7 Test Mode: 11G\_CDD



1.3.7.1 11G\_CDD Channel 1\_2412



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	37.45	54.00	16.55	150.0	H	25.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	60.71	74.00	13.29	150.0	V	63.0	-10.2

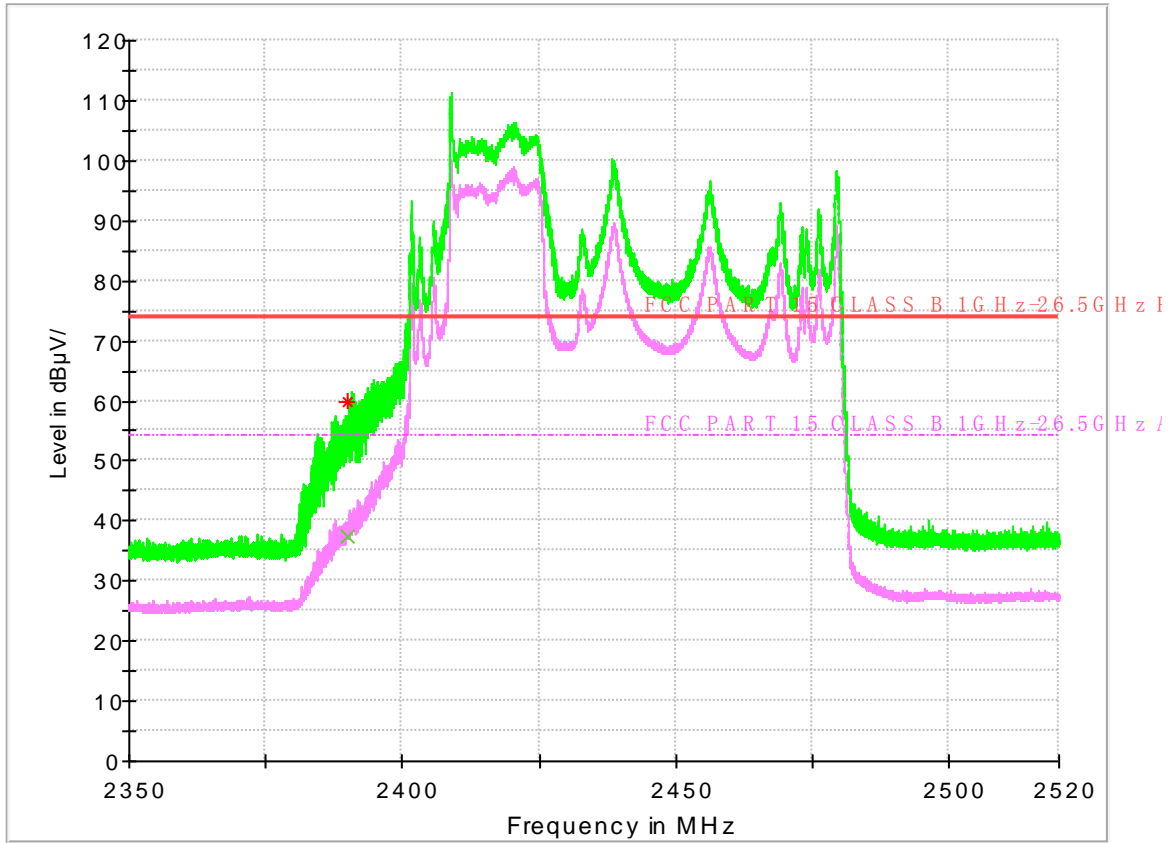
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

1.3.7.2 11G\_CDD Channel 2\_2417



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	37.60	54.00	16.40	150.0	H	267.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	59.71	74.00	14.29	150.0	V	135.0	-10.2

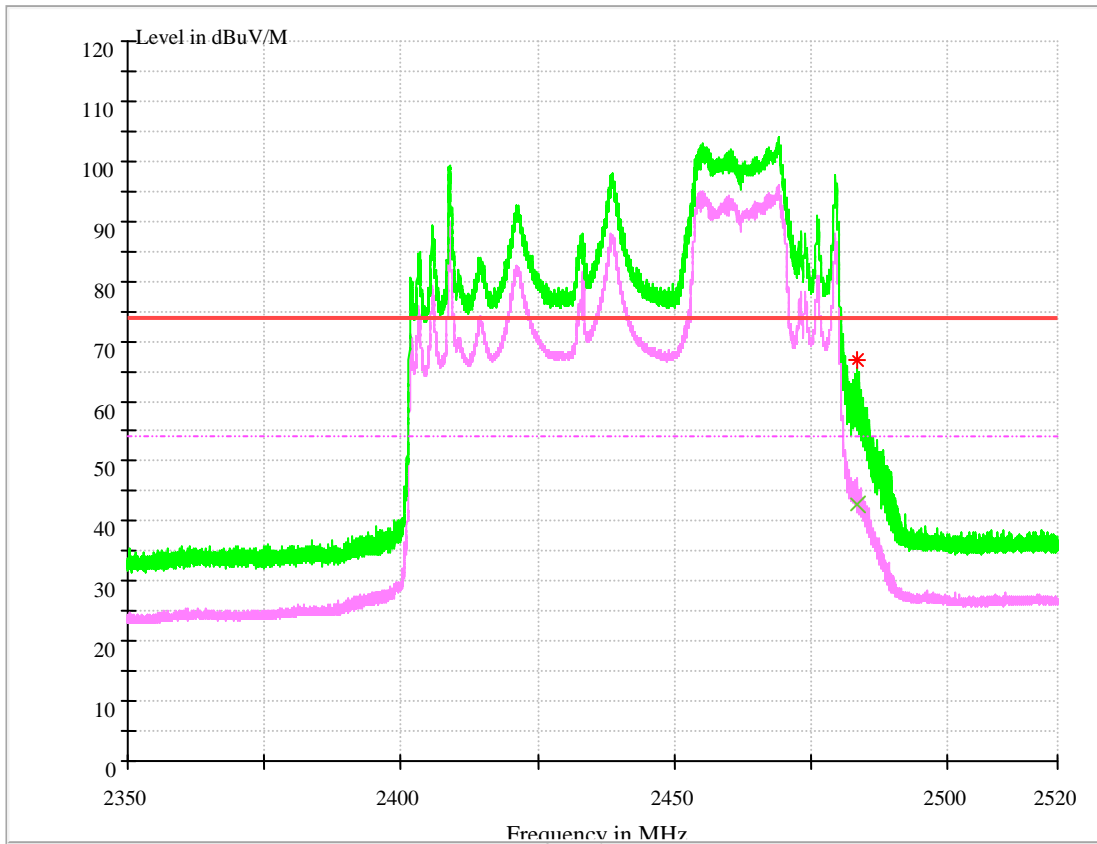
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

1.3.7.3 11G\_CDD Channel 11



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	42.87	54.00	11.13	150	V	108.0	-6.8

MEASUREMENT RESULT: PK Detector

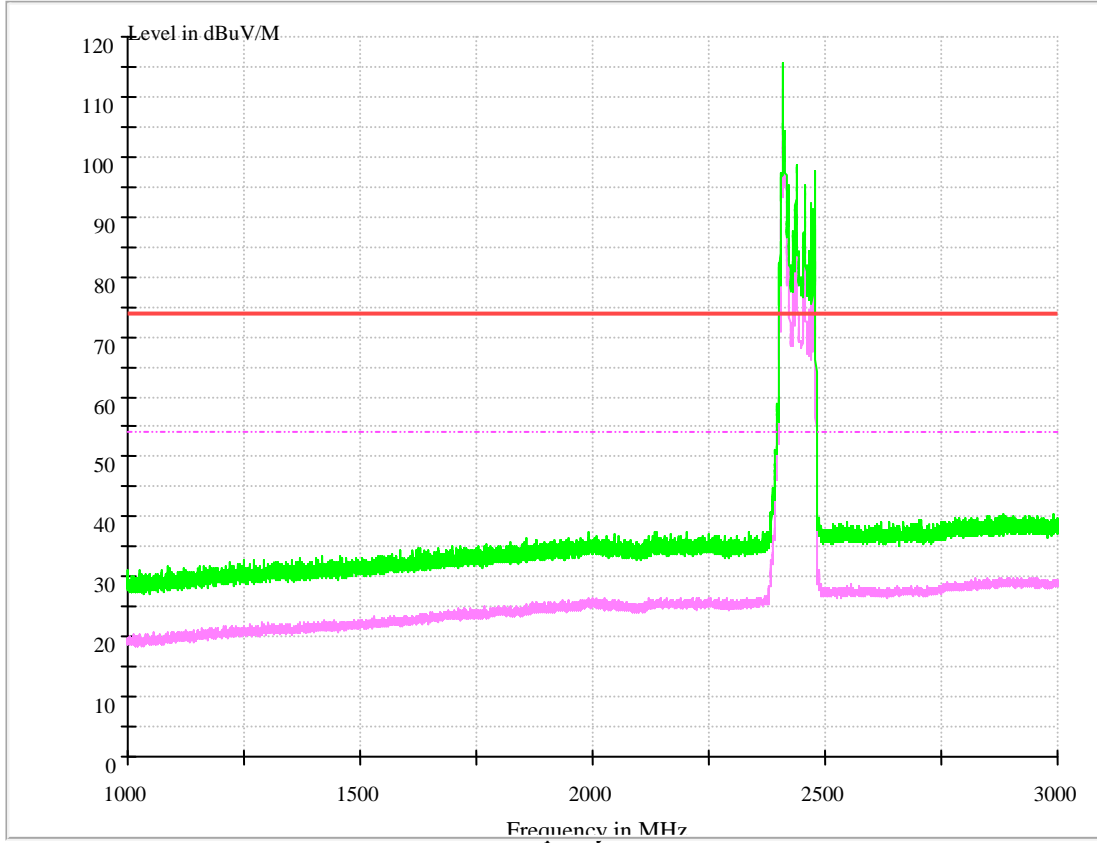
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	66.84	74.00	7.16	150	H	117.0	-6.8

Note:

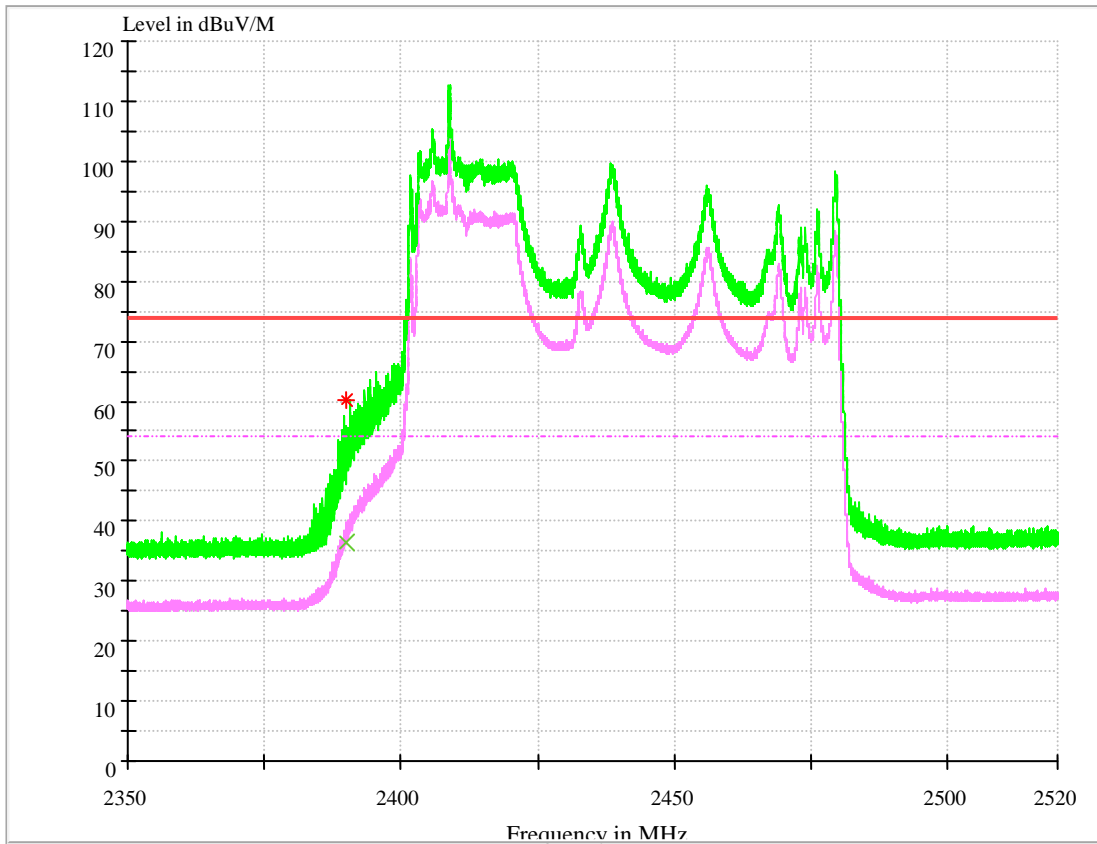
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

**1.3.8 Test Mode: 11N\_MIMO**

1.3.8.1 11N\_MIMO Channel 1\_2412



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	36.38	54.00	17.62	100.0	H	39.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	60.23	74.00	13.77	150.0	H	45.0	-10.2

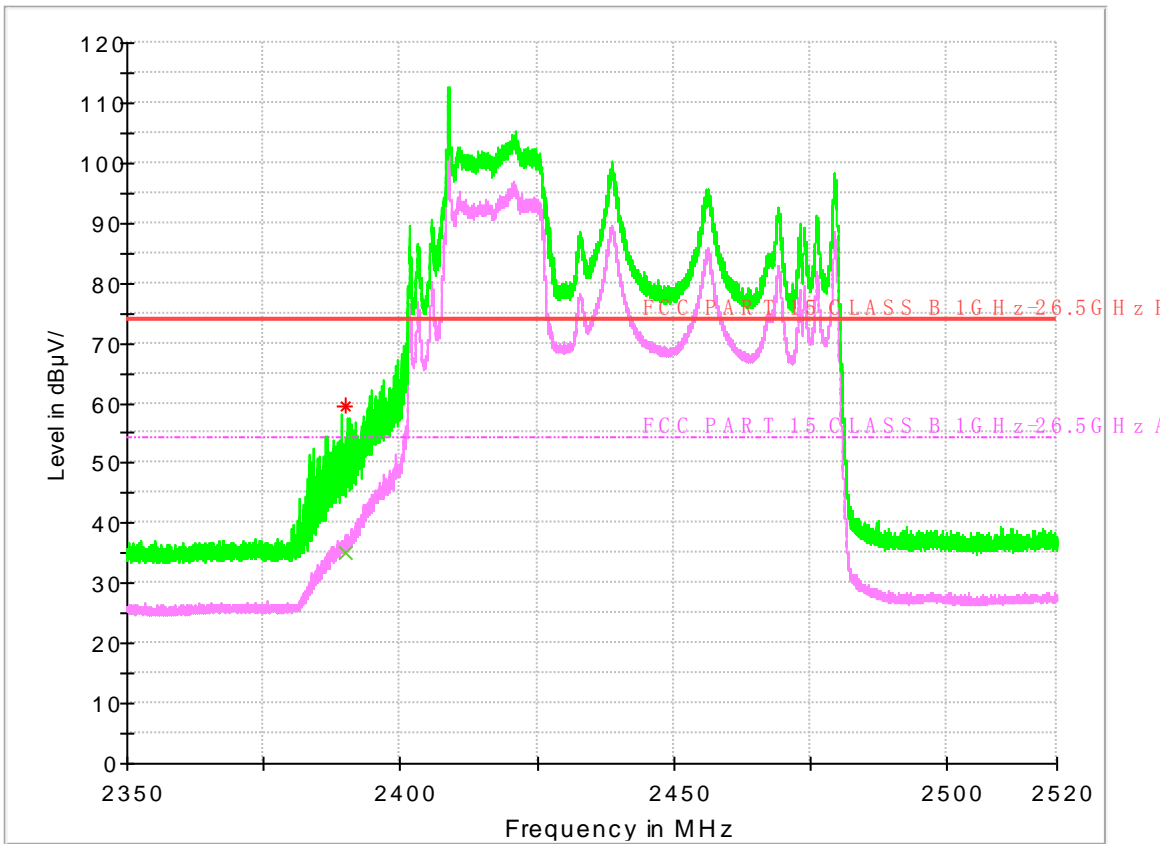
Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

1.3.8.2 11N\_MIMO Channel 2\_2417



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
2390	35.21	54.00	18.79	150.0	H	267.0	-10.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
2390	59.66	74.00	14.34	150.0	H	245.0	-10.2

Note:

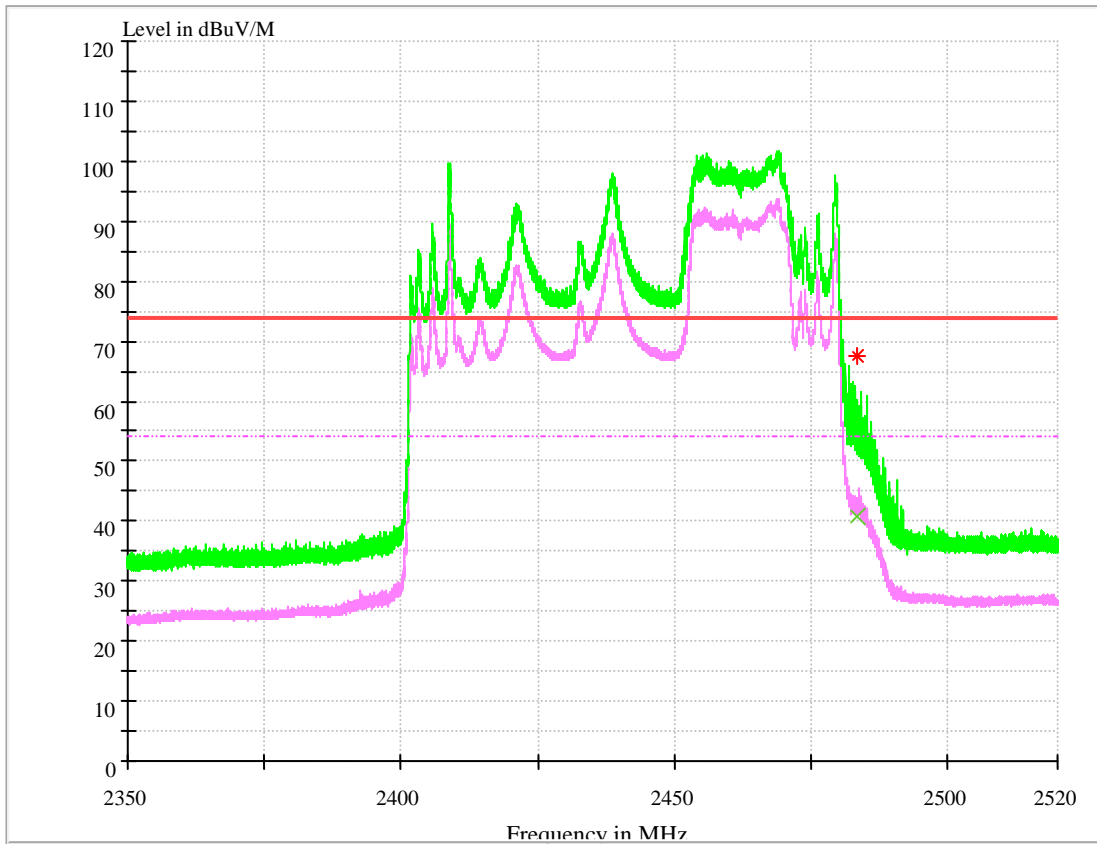
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level



1.3.8.3 11N\_MIMO Channel 11



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	40.84	54.00	13.16	100.0	H	64.0	-6.8

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	67.39	74.00	6.61	150.0	H	66.0	-6.8

Note:

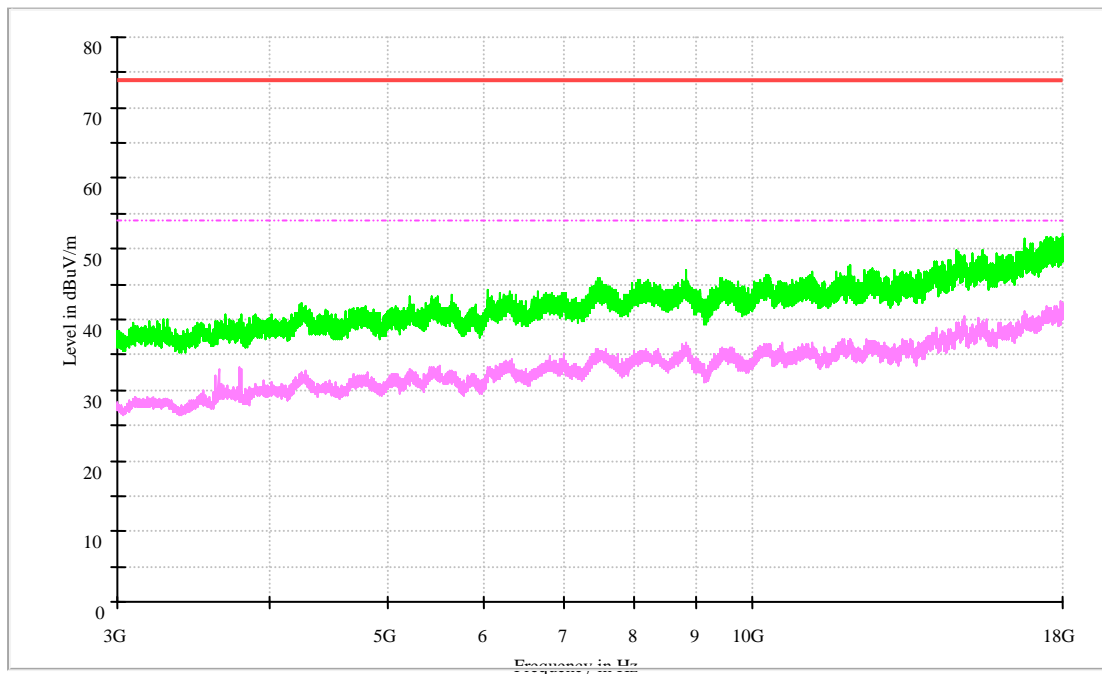
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

#### 1.4 Part 4: Testing Range of “3 GHz to 18 GHz”

- Note 1: The test results and plot for testing range of “3 GHz to 18 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “3 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 3 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).





### 1.5 Part 5: Testing Range of “18 GHz to 26.5 GHz”

NOTE: No peak found in the Test Range of “18 GHz to 26.5GHz”