

Appendix M: Test Results of Field Strength of Spurious Radiation for eMTC operation

APPENDIX M: TEST RESULTS OF FIELD STRENGTH OF SPURIOUS RADIATION FOR EMTC OPERATION.. 1

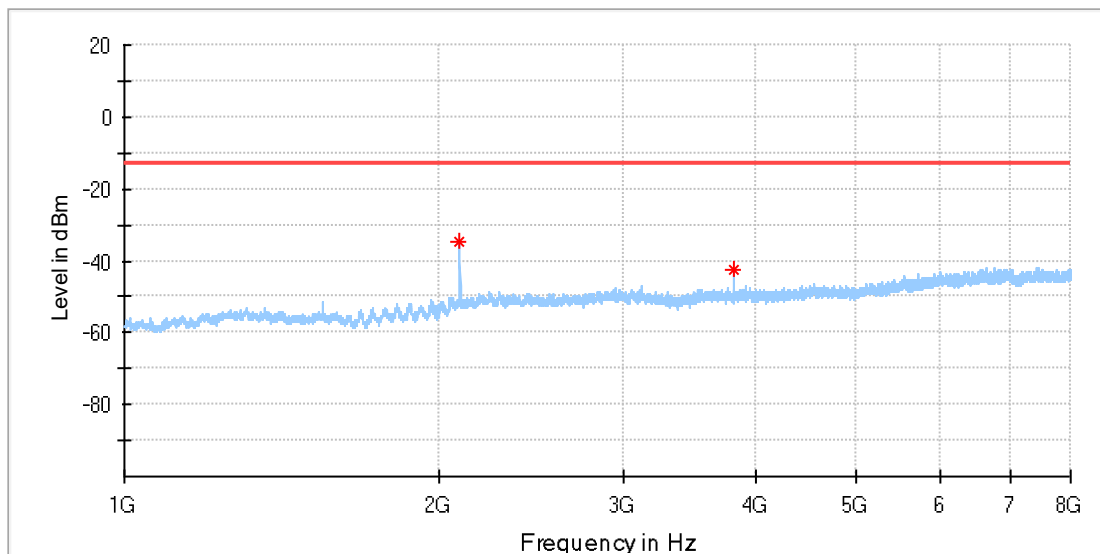
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Appendix M.1: Field Strength of Spurious Radiation for Band 2

Above 1 GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



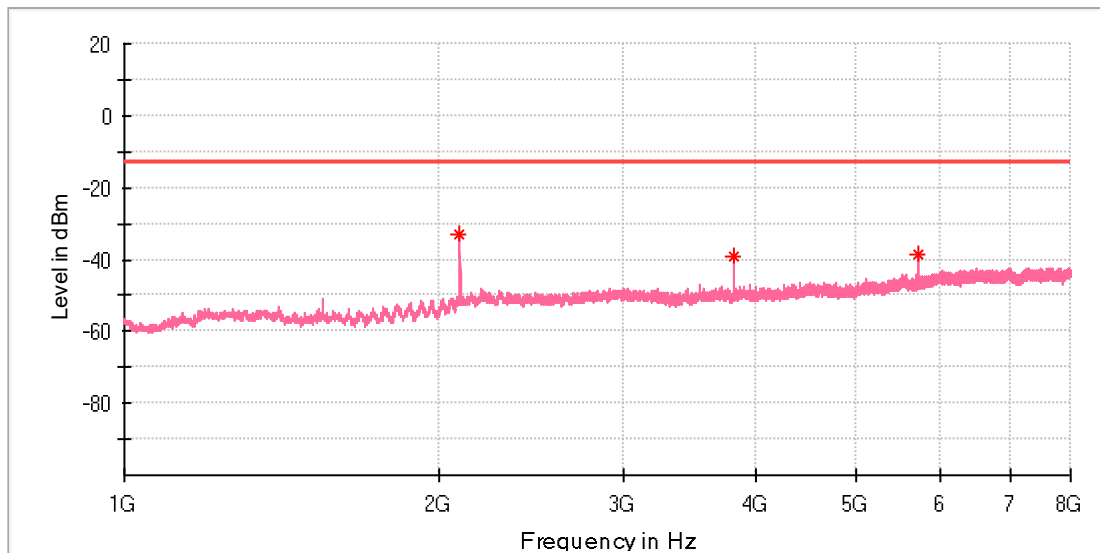
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
2091.000000	-34.67	-13.00	21.67	100.	H	71.0	-88.7
3818.000000	-42.51	-13.00	29.51	100.	H	277.0	-86.8

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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



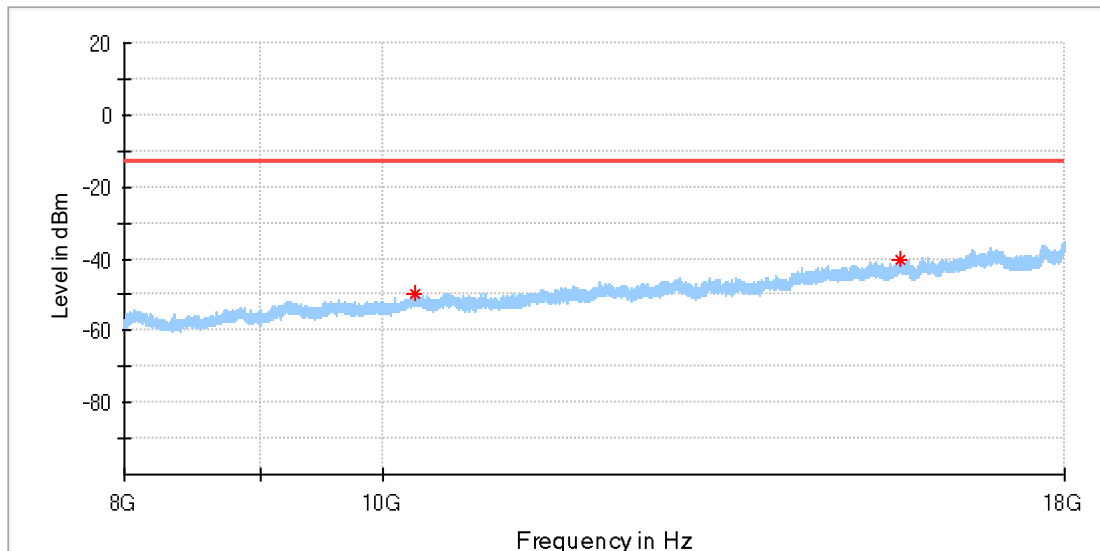
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
2090.500000	-33.14	-13.00	20.14	100.	V	0.0	-88.7
3817.500000	-39.06	-13.00	26.06	100.	V	320.0	-87.0
5726.500000	-38.48	-13.00	25.48	100.	V	297.0	-83.6

Produkte
Products

EUT Information

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Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



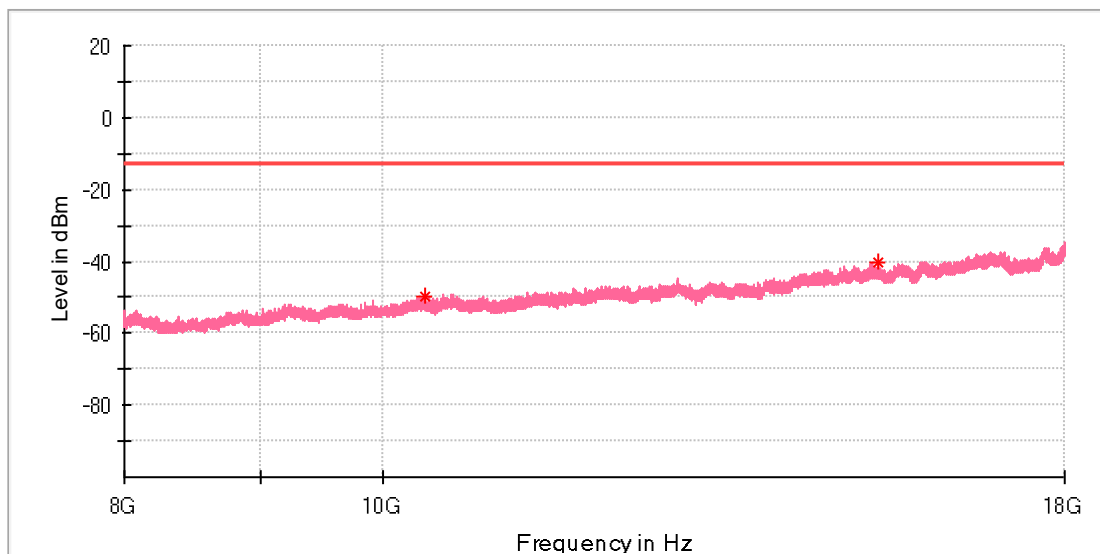
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10271.500000	-49.90	-13.00	36.90	100.	H	65.0	-83.2
15632.500000	-40.05	-13.00	27.05	100.	H	356.0	-77.7

Produkte
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EUT Information

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Order No/Sample No:	168335486/A003146834-010
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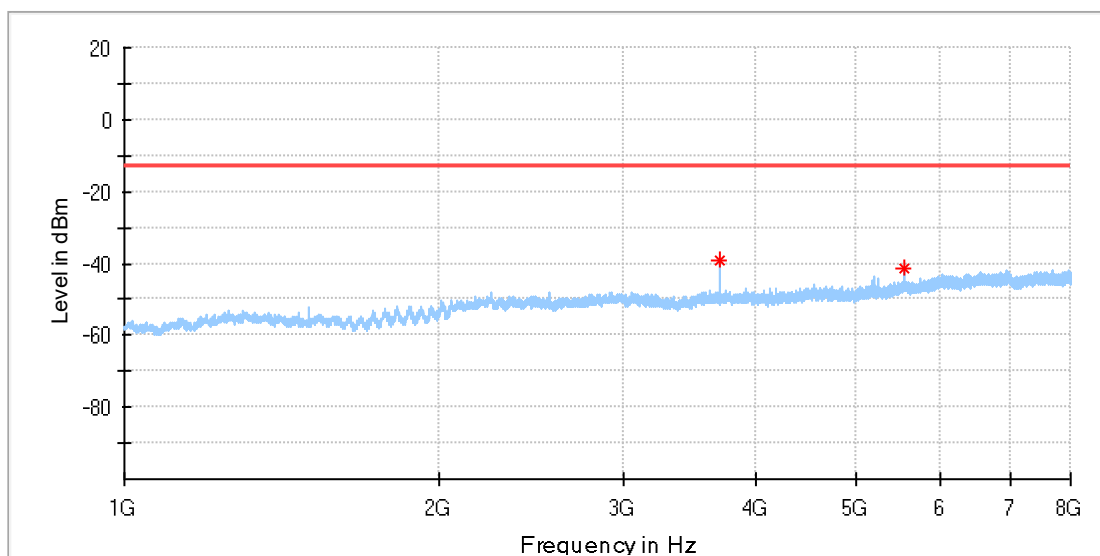
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10367.000000	-49.56	-13.00	36.56	100.	V	248.0	-82.9
15331.500000	-40.41	-13.00	27.41	100.	V	268.0	-77.7

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EUT Information

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Order No/Sample No:	168335486/A003146834-010
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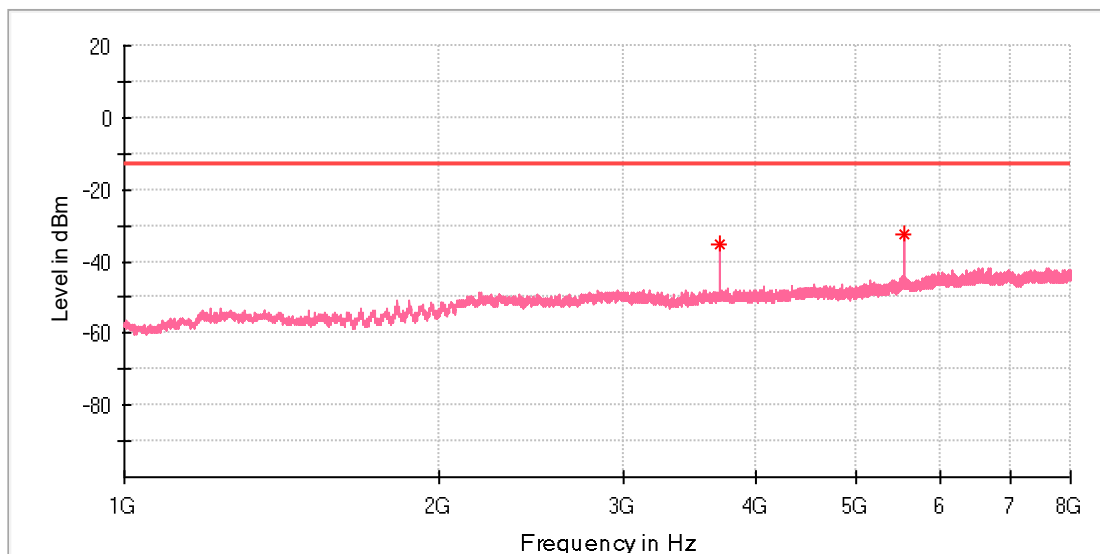
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
3700.000000	-39.03	-13.00	26.03	100.	H	81.0	-86.7
5551.000000	-41.38	-13.00	28.38	100.	H	21.0	-83.2

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EUT Information

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Order No/Sample No:	168335486/A003146834-010
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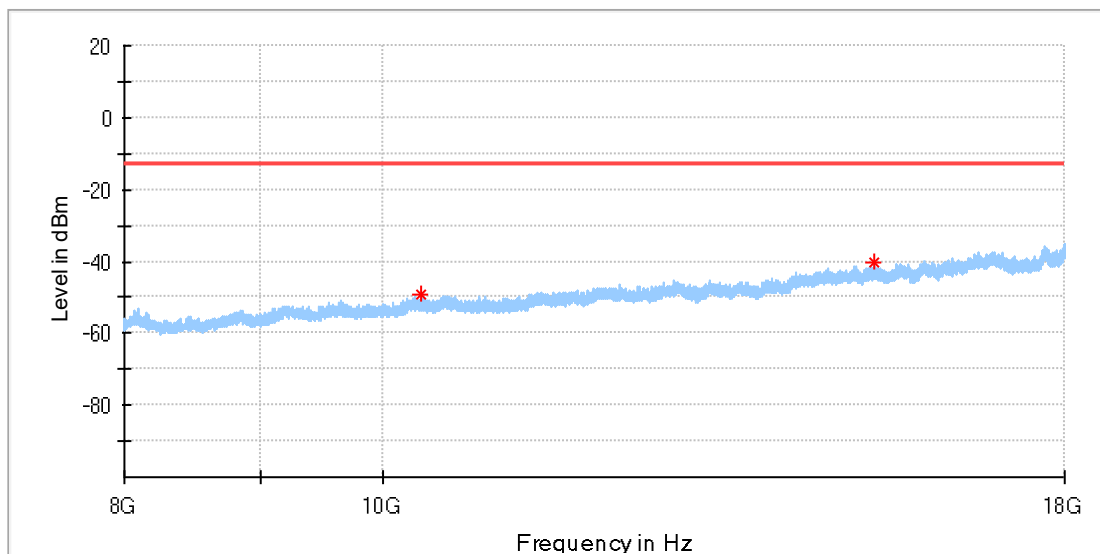
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
3700.500000	-35.11	-13.00	22.11	100.	V	0.0	-86.7
5551.000000	-32.33	-13.00	19.33	100.	V	308.0	-83.0

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EUT Information

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Test Mode:	B2_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
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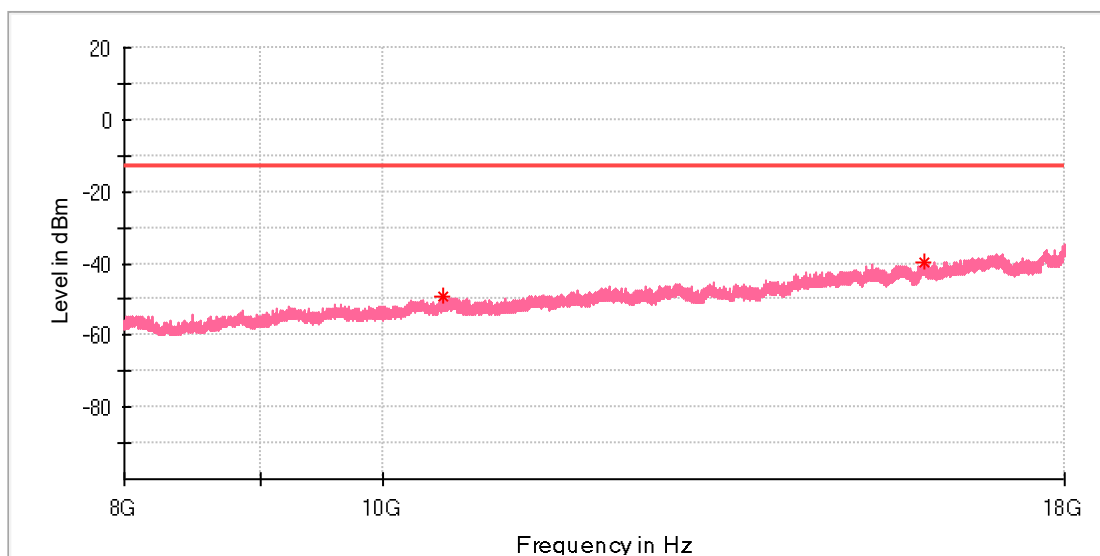
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10335.000000	-49.39	-13.00	36.39	100.	H	2.0	-83.2
15283.500000	-40.18	-13.00	27.18	100.	H	54.0	-77.5

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EUT Information

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Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



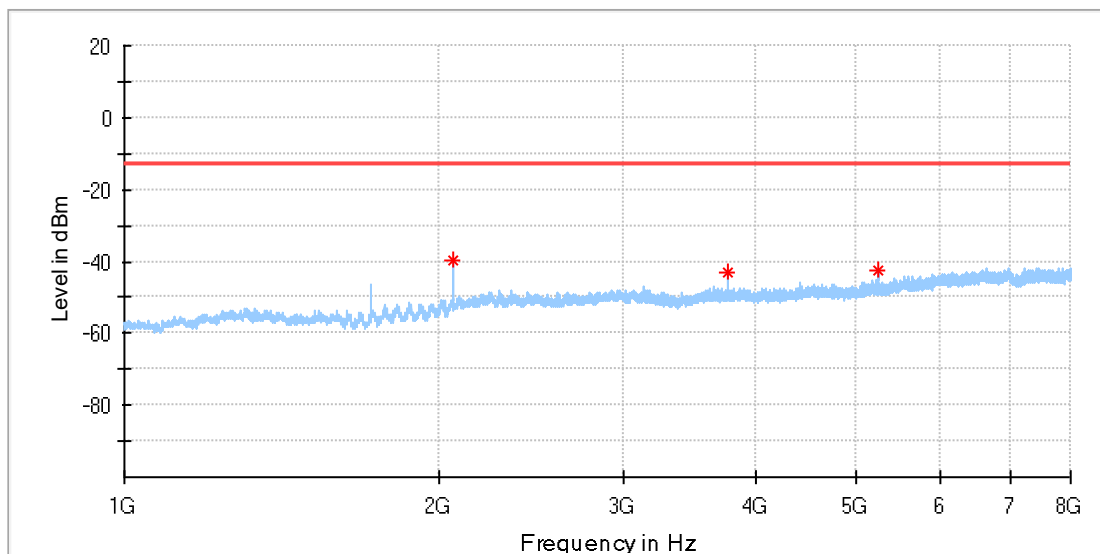
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10537.000000	-49.14	-13.00	36.14	100.	V	241.0	-82.5
15935.000000	-39.59	-13.00	26.59	100.	V	57.0	-76.6

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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



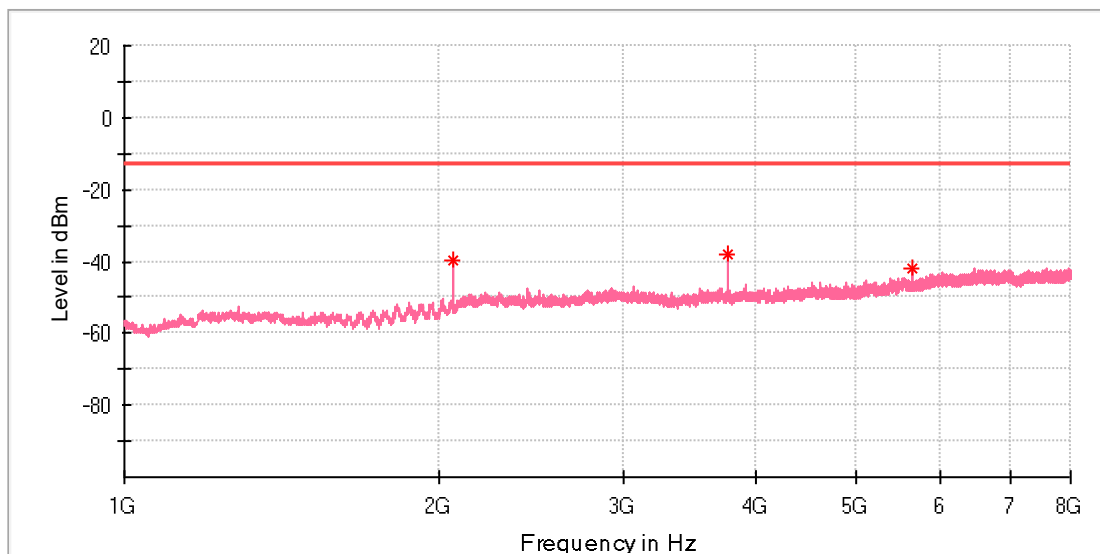
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
2059.000000	-39.96	-13.00	26.96	100.	H	71.0	-88.4
3760.000000	-42.96	-13.00	29.97	100.	H	65.0	-86.6
5236.000000	-42.27	-13.00	29.27	100.	H	359.0	-85.0

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EUT Information

EUT Name:	CAT-M Module
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Test Mode:	B2_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



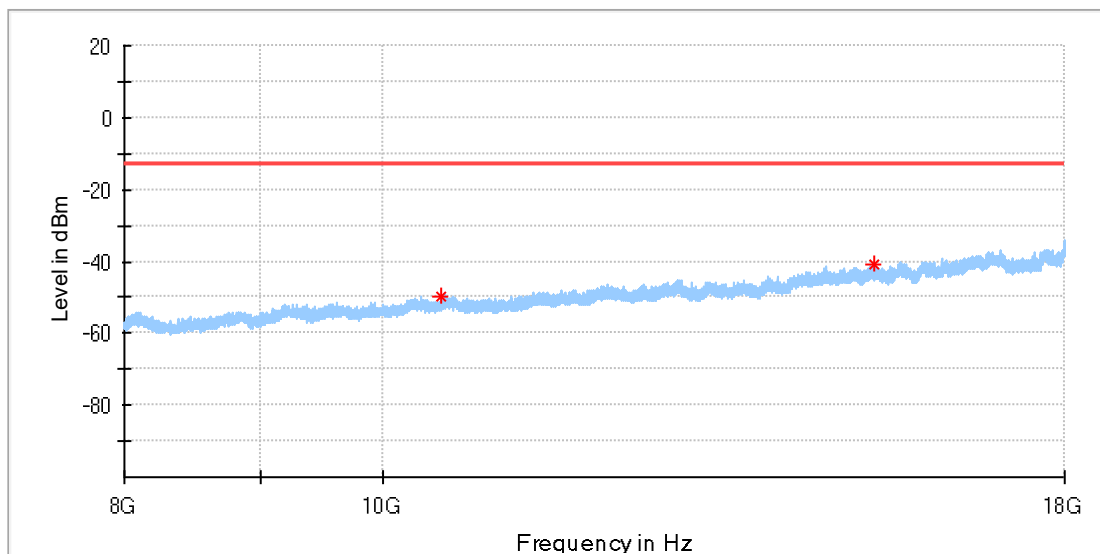
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
2059.500000	-39.86	-13.00	26.86	100.	V	92.0	-89.0
3760.500000	-37.85	-13.00	24.85	100.	V	10.0	-87.0
5640.500000	-41.97	-13.00	28.97	100.	V	327.0	-83.8

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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



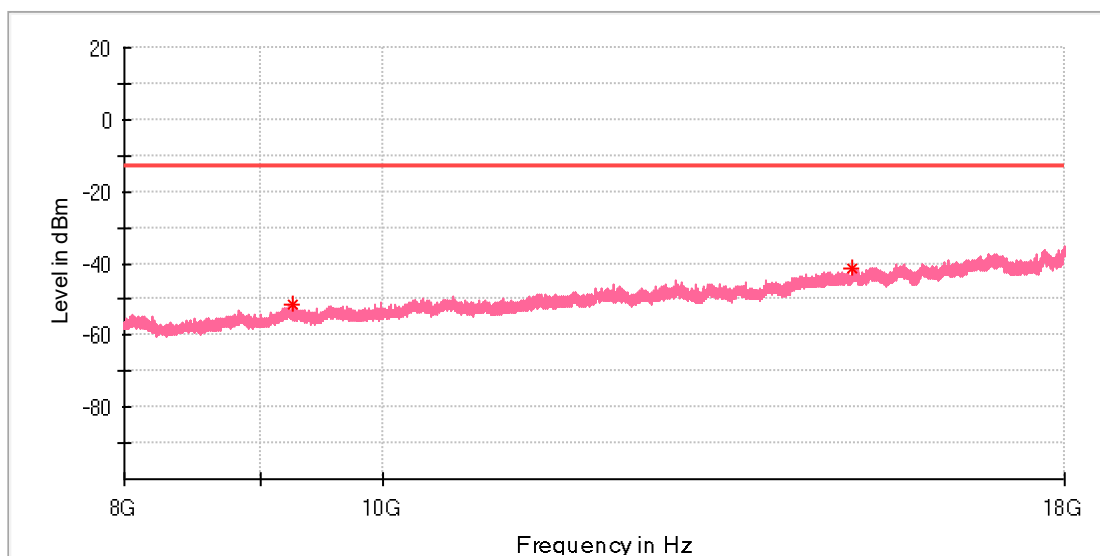
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10517.500000	-50.01	-13.00	37.01	100.	H	284.0	-82.7
15285.500000	-40.99	-13.00	27.99	100.	H	194.0	-77.5

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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

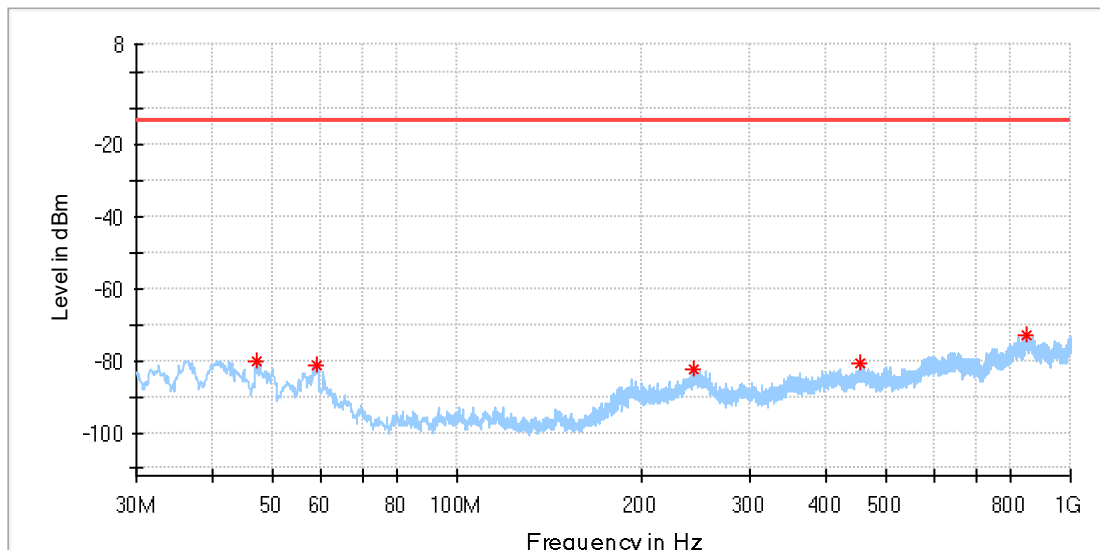
Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
9254.500000	-51.38	-13.00	38.38	100.	V	167.0	-83.9
14977.500000	-41.51	-13.00	28.51	100.	V	335.0	-77.4

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Below 1GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



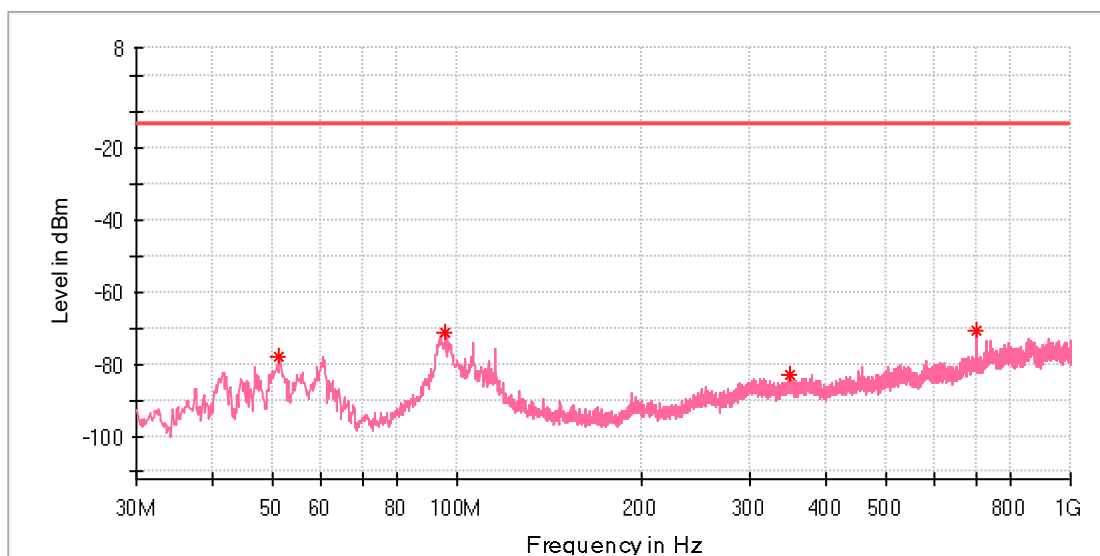
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
47.217500	-80.28	-13.00	67.28	100.	H	351.0	-114.
58.857500	-81.38	-13.00	68.38	100.	H	68.0	-116.
243.521250	-82.22	-13.00	69.22	100.	H	0.0	-110.
455.345000	-80.64	-13.00	67.64	100.	H	20.0	-108.
848.558750	-73.07	-13.00	60.07	100.	H	131.0	-99.1

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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B2_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 24
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
51.340000	-78.01	-13.00	65.01	100.	V	273.0	-123.
95.596250	-71.46	-13.00	58.46	100.	V	7.0	-100.
349.857500	-82.84	-13.00	69.84	100.	V	29.0	-110.
702.210000	-70.69	-13.00	57.69	100.	V	159.0	-105.

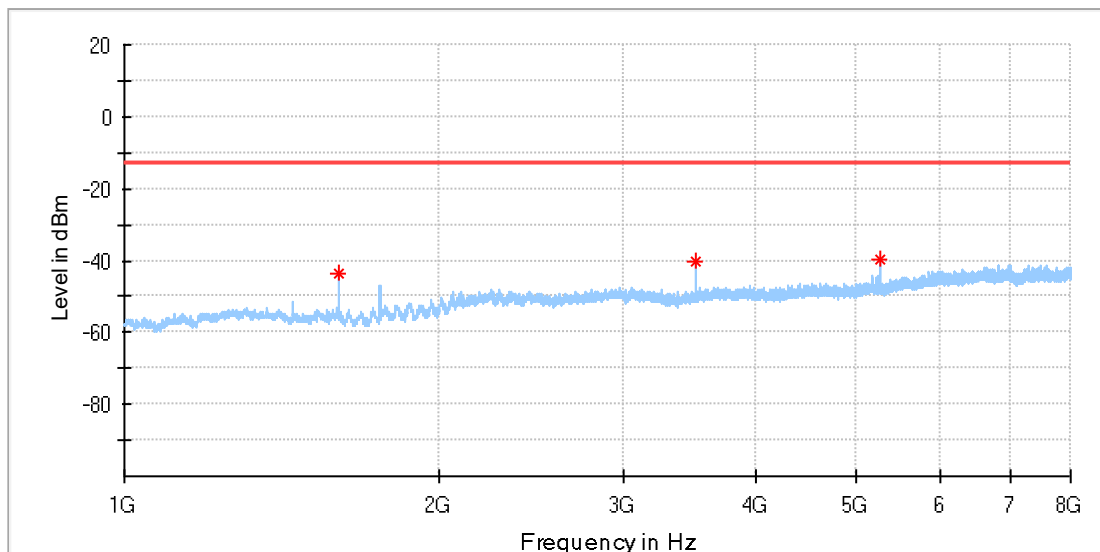
Appendix M.2: Field Strength of Spurious Radiation for Band 4

Only worst-case mode reported.

Above 1GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



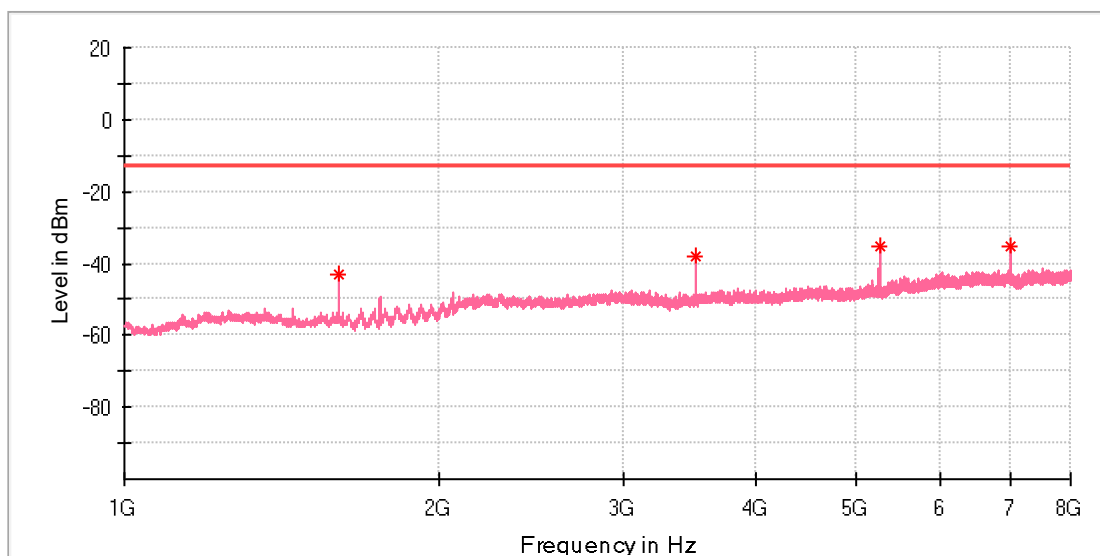
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Correction (dB)
1601.500000	-43.84	-13.00	30.84	100.	H	48.0	-92.8
3508.000000	-40.06	-13.00	27.06	100.	H	81.0	-87.3
5261.500000	-39.68	-13.00	26.68	100.	H	46.0	-85.0

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EUT Information

EUT Name:	CAT-M Module
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Test Mode:	B4_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



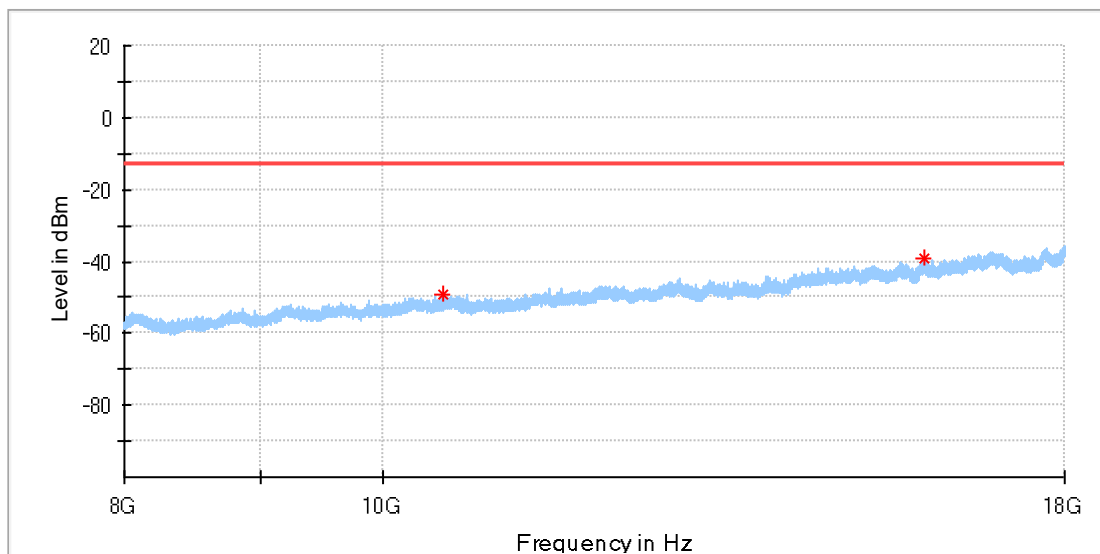
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1601.000000	-43.25	-13.00	30.25	100.	V	348.0	-92.9
3507.500000	-37.89	-13.00	24.89	100.	V	66.0	-87.5
5261.500000	-35.07	-13.00	22.07	100.	V	41.0	-85.0
7016.000000	-35.46	-13.00	22.46	100.	V	75.0	-80.6

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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



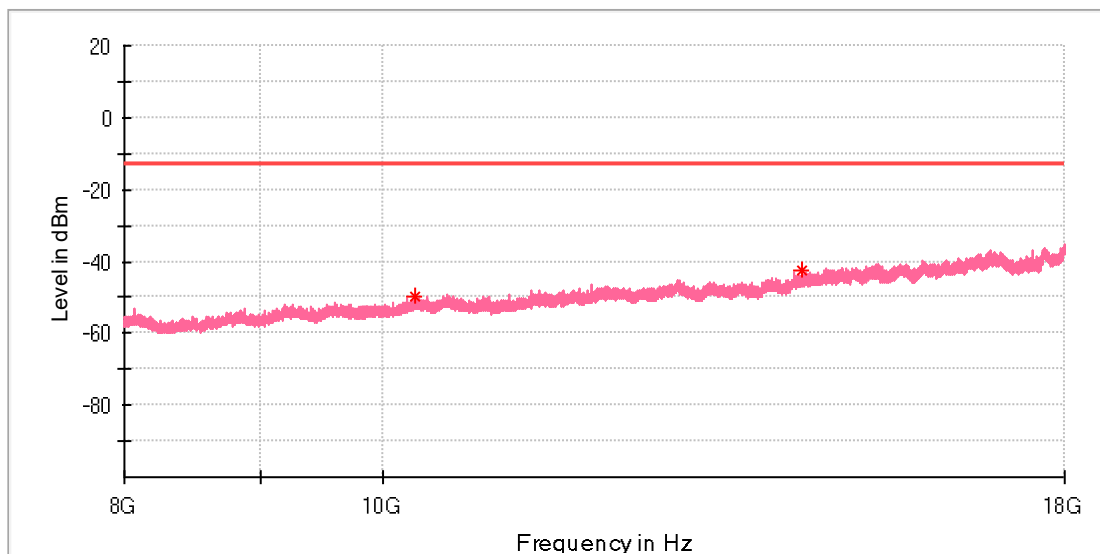
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10529.500000	-49.35	-13.00	36.35	100.	H	242.0	-82.6
15940.500000	-39.06	-13.00	26.06	100.	H	164.0	-76.6

Produkte
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EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
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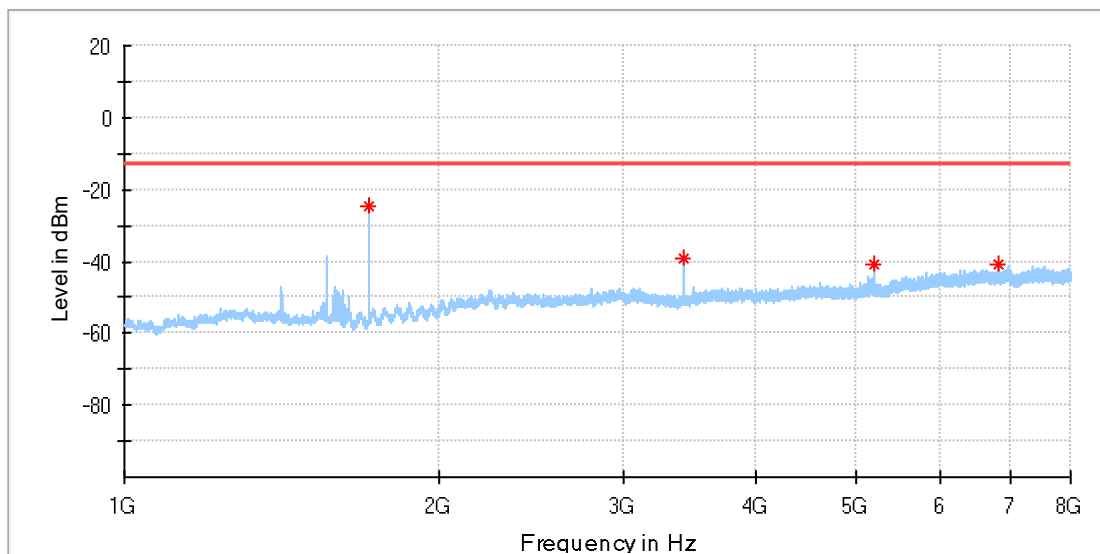
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10283.000000	-49.71	-13.00	36.71	100.	V	65.0	-83.4
14344.000000	-42.48	-13.00	29.48	100.	V	15.0	-77.7

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EUT Information

EUT Name:	CAT-M Module
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Test Mode:	B4_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
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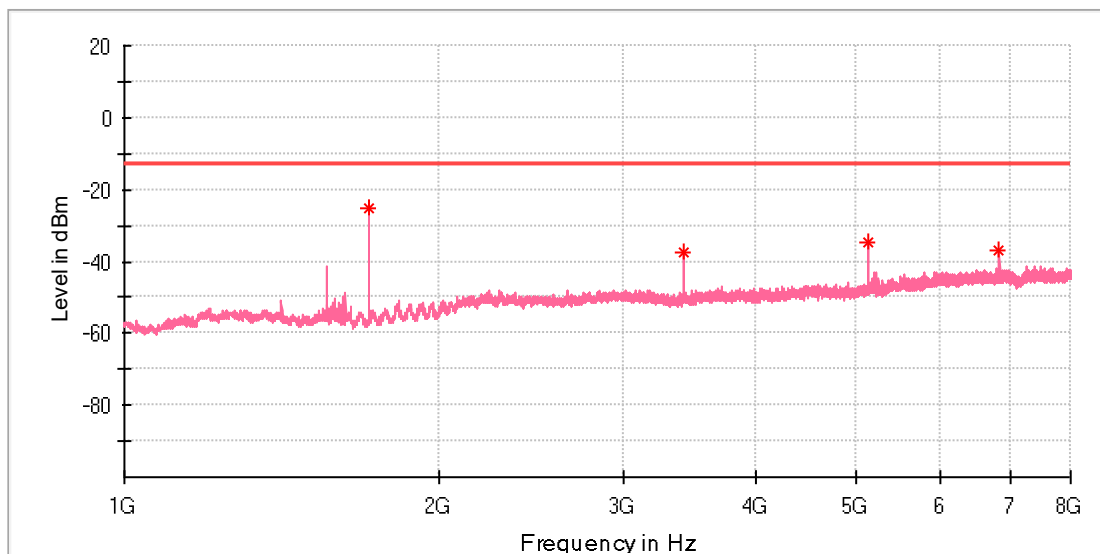
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1710.500000	-24.85	-13.00	11.85	100.	H	109.0	-92.1
3420.000000	-39.00	-13.00	26.00	100.	H	93.0	-87.9
5203.500000	-41.08	-13.00	28.08	100.	H	0.0	-84.9
6840.500000	-40.70	-13.00	27.70	100.	H	83.0	-81.4

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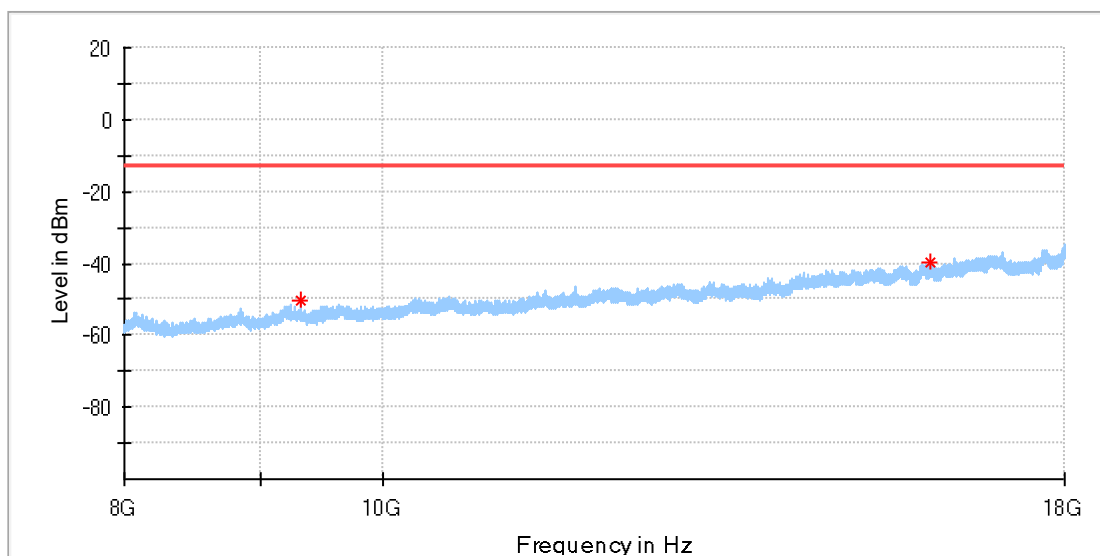
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1710.000000	-25.05	-13.00	12.05	100.	V	179.0	-91.9
3420.000000	-37.59	-13.00	24.59	100.	V	268.0	-87.7
5130.500000	-34.94	-13.00	21.94	100.	V	336.0	-84.9
6841.500000	-36.85	-13.00	23.85	100.	V	117.0	-81.4

Produkte
Products

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Reviewed By:	Terry Yin



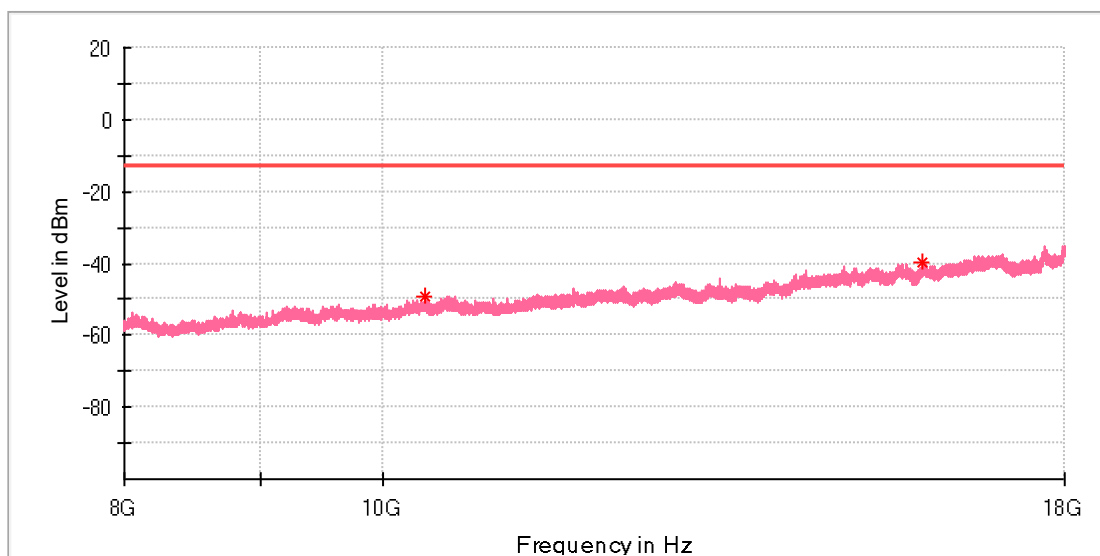
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
9310.000000	-50.51	-13.00	37.51	100.	H	239.0	-84.5
16027.500000	-39.97	-13.00	26.97	100.	H	172.0	-76.5

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



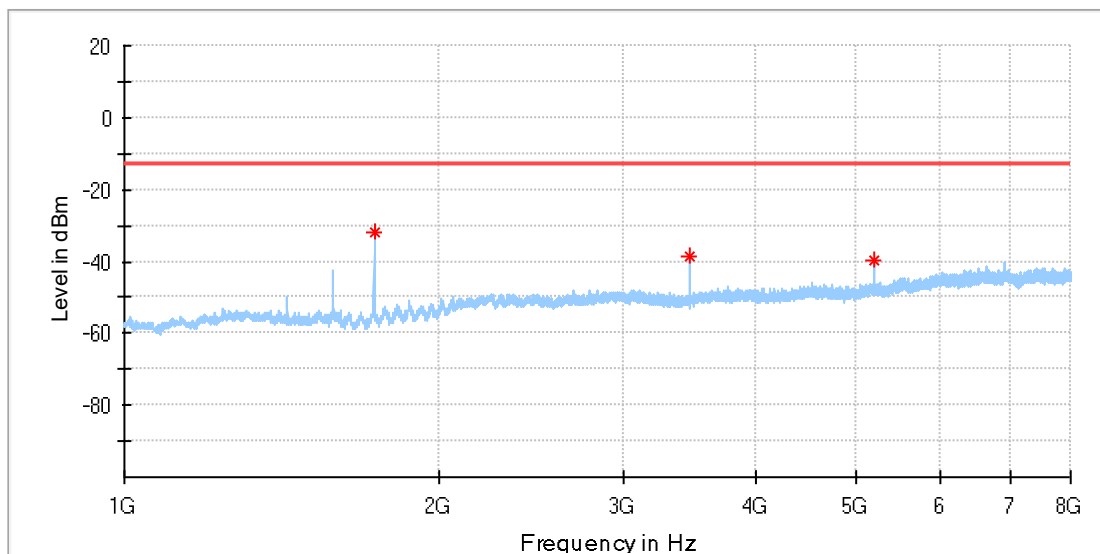
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10369.000000	-49.07	-13.00	36.07	100.	V	124.0	-82.9
15918.000000	-39.54	-13.00	26.54	100.	V	36.0	-76.6

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



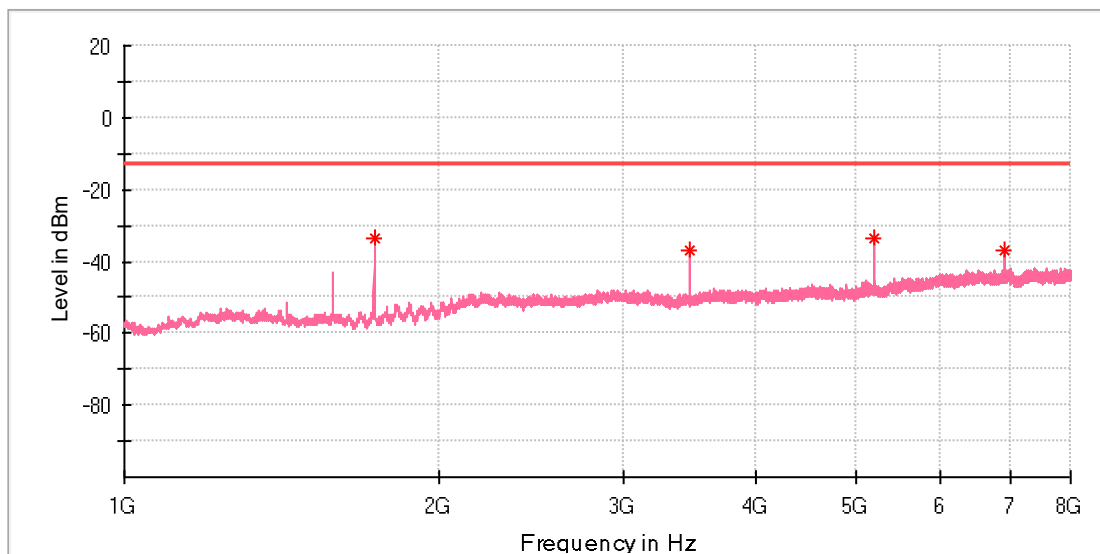
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1732.000000	-32.09	-13.00	19.09	100.	H	118.0	-91.4
3463.500000	-38.47	-13.00	25.47	100.	H	68.0	-88.1
5196.000000	-39.64	-13.00	26.64	100.	H	228.0	-84.8

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



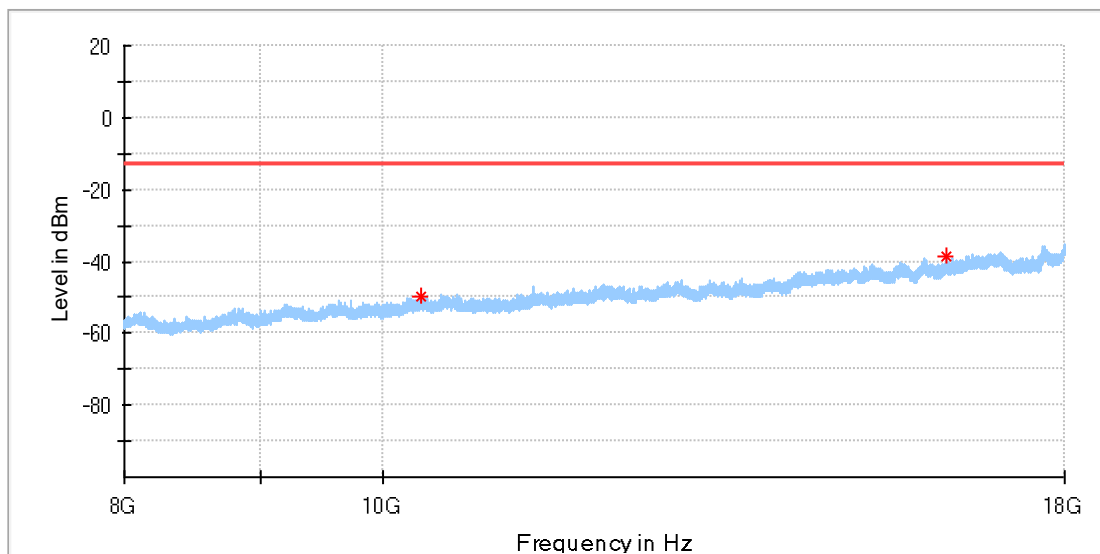
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1732.000000	-33.49	-13.00	20.49	100.	V	304.0	-91.6
3464.000000	-37.12	-13.00	24.12	100.	V	56.0	-87.8
5196.500000	-33.42	-13.00	20.42	100.	V	357.0	-84.8
6928.500000	-37.13	-13.00	24.13	100.	V	269.0	-81.2

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



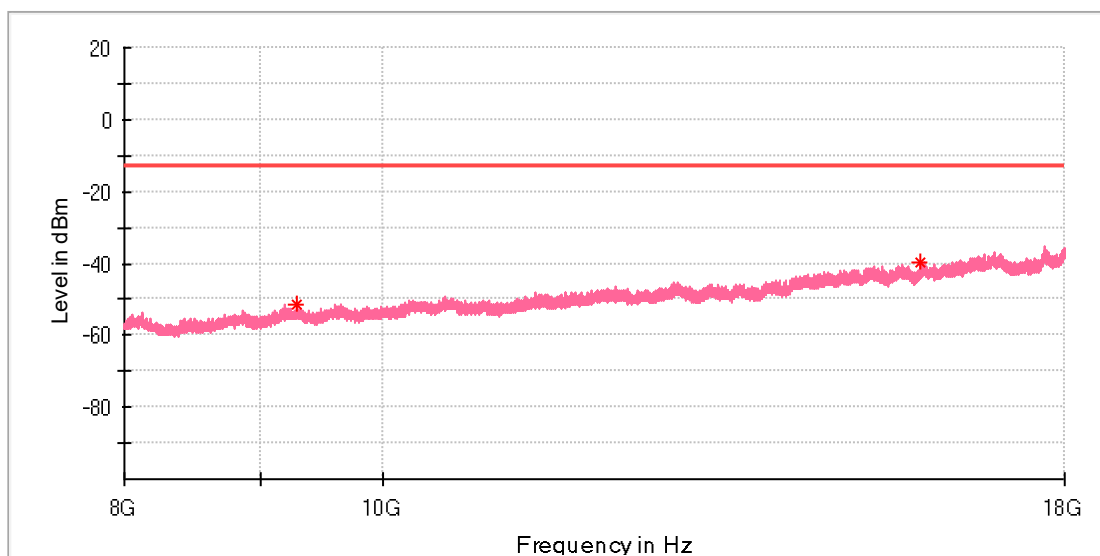
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
10336.500000	-49.50	-13.00	36.50	100.	H	179.0	-83.2
16241.000000	-38.78	-13.00	25.78	100.	H	43.0	-76.0

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

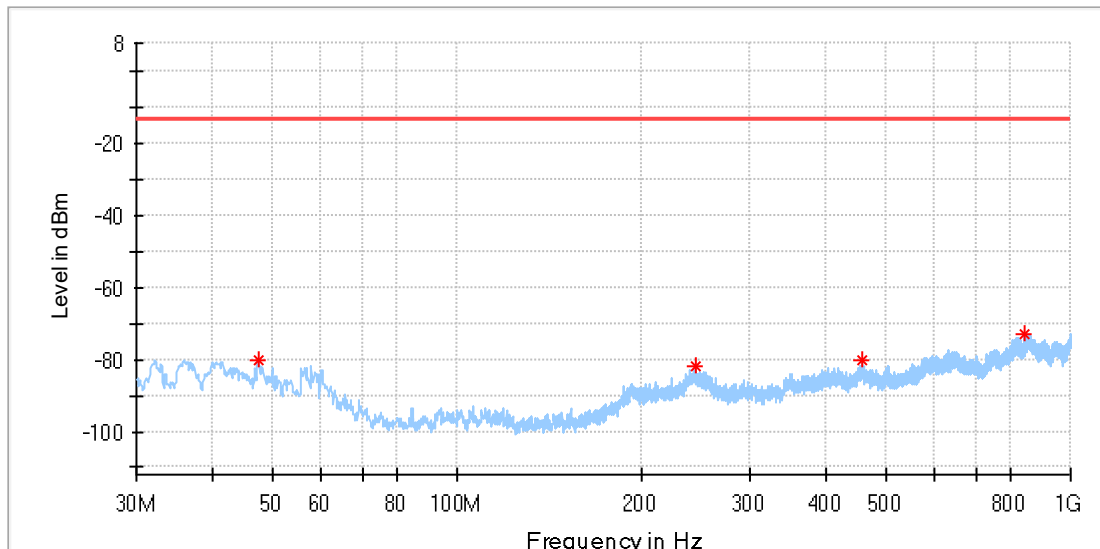
Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
9290.500000	-51.35	-13.00	38.35	100.	V	93.0	-84.2
15888.000000	-39.67	-13.00	26.67	100.	V	179.0	-76.8

Produkte
Products

Below 1GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



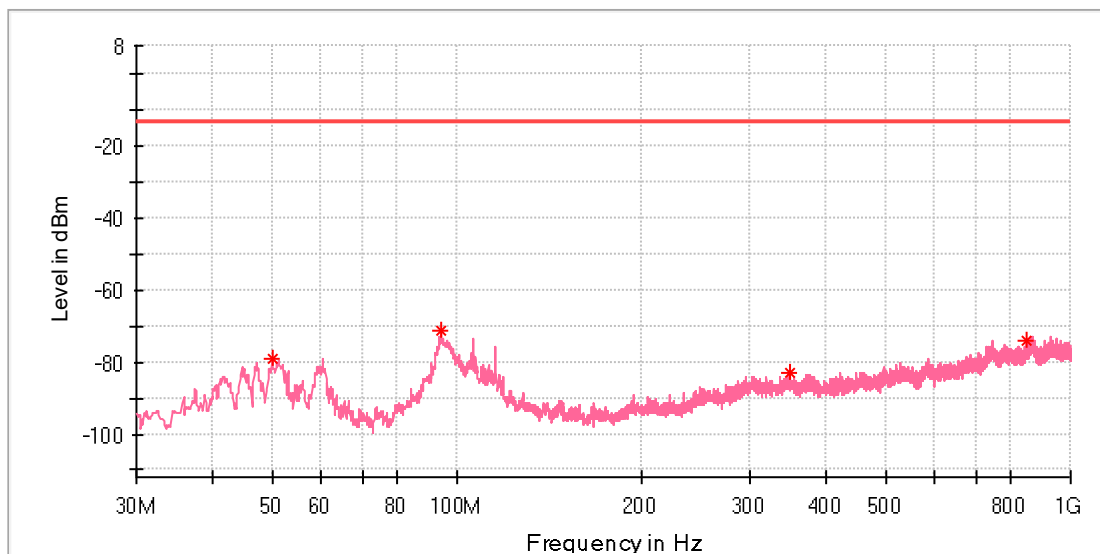
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Correction (dB)
47.460000	-80.12	-13.00	67.12	100.	H	275.0	-114.
244.127500	-82.00	-13.00	69.00	100.	H	185.0	-110.
456.921250	-80.06	-13.00	67.06	100.	H	230.0	-108.
841.041250	-72.72	-13.00	59.72	100.	H	284.0	-100.

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B4_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
50.006250	-78.91	-13.00	65.91	100.	V	230.0	-124.
94.141250	-71.06	-13.00	58.06	100.	V	43.0	-99.8
348.766250	-82.92	-13.00	69.92	100.	V	230.0	-110.
846.012500	-74.05	-13.00	61.05	100.	V	310.0	-101.

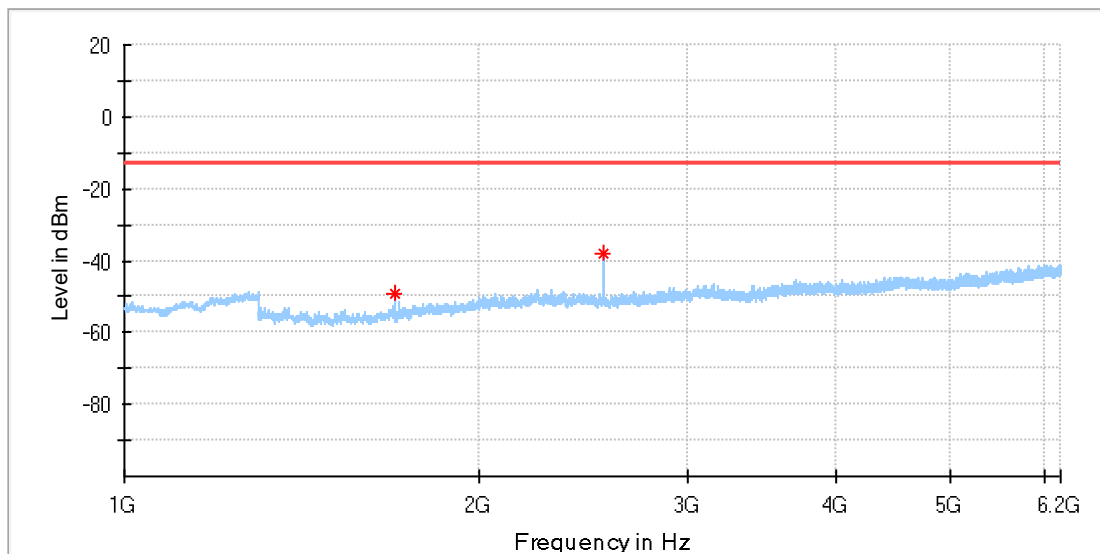
Appendix M.3: Field Strength of Spurious Radiation for Band 5

Only worst-case mode reported.

Above 1GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



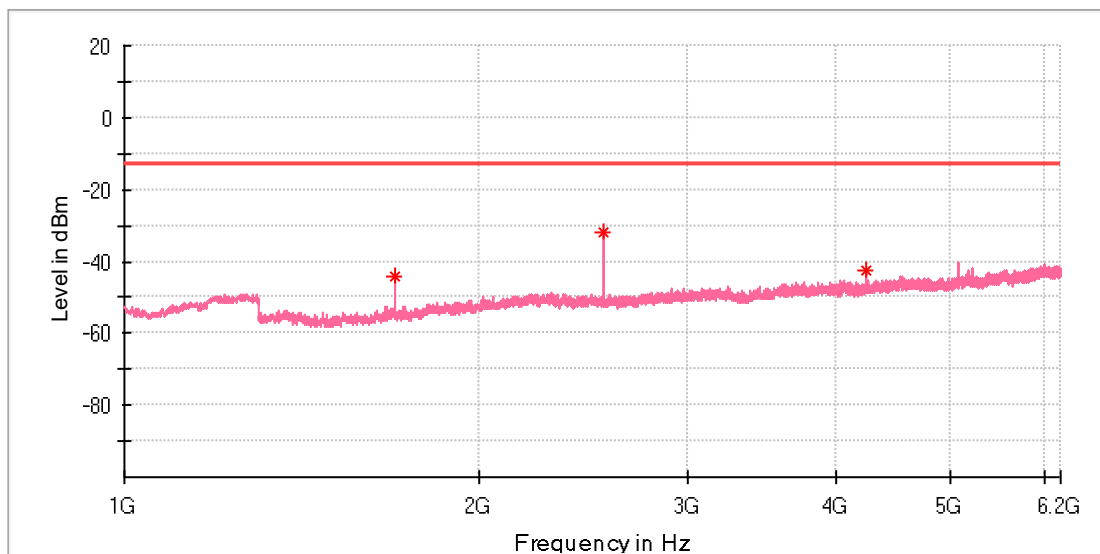
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1695.500000	-49.47	-13.00	36.47	100.	H	145.0	-92.4
2543.000000	-38.14	-13.00	25.14	100.	H	117.0	-88.3

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



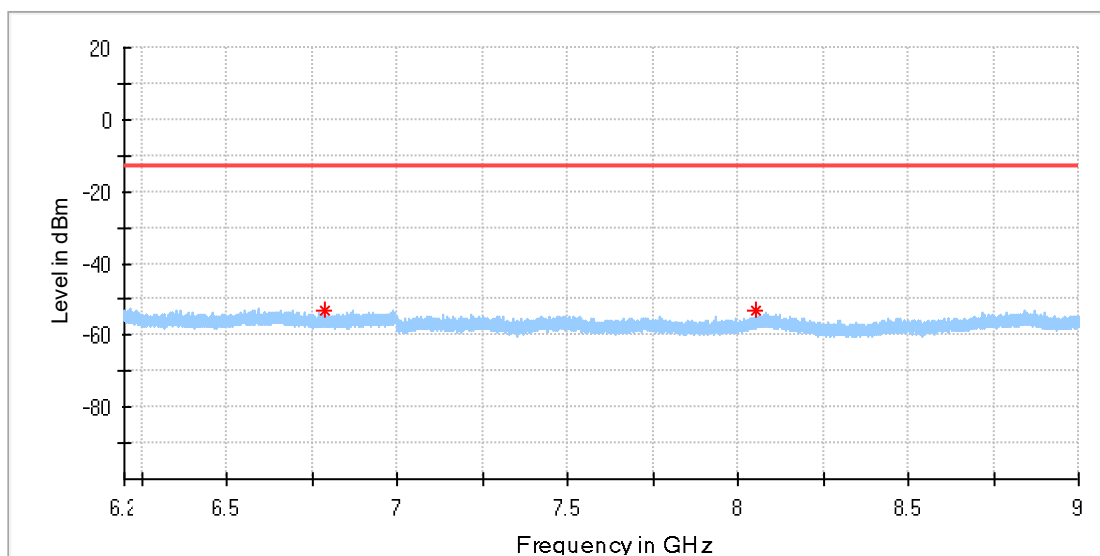
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1695.500000	-44.26	-13.00	31.26	100.	V	337.0	-92.1
2544.000000	-32.14	-13.00	19.14	100.	V	38.0	-88.4
4239.000000	-42.62	-13.00	29.62	100.	V	337.0	-85.2

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



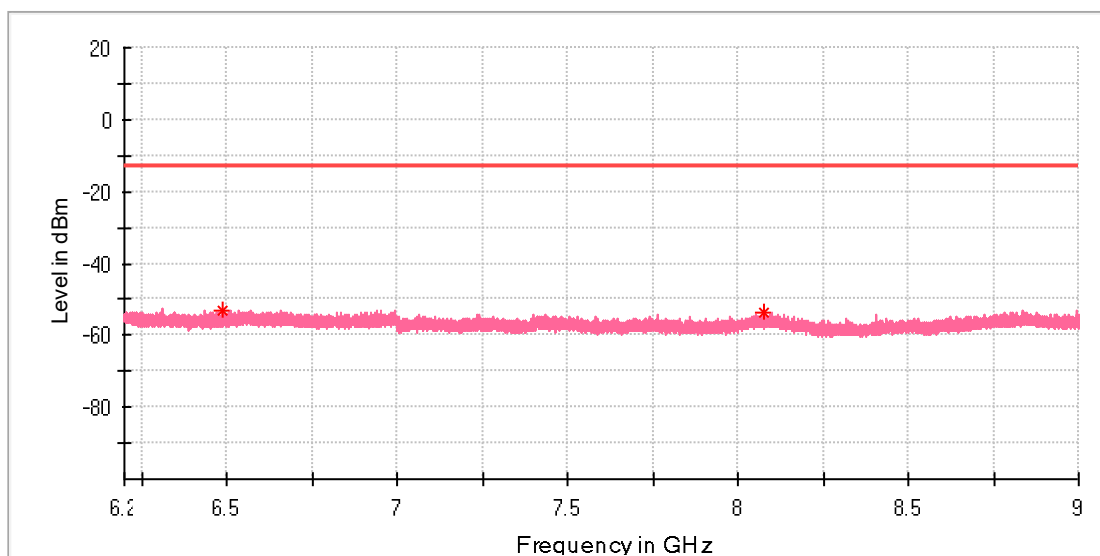
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6787.766667	-53.02	-13.00	40.02	100.	H	176.0	-88.6
8053.250000	-53.05	-13.00	40.05	100.	H	166.0	-86.9

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



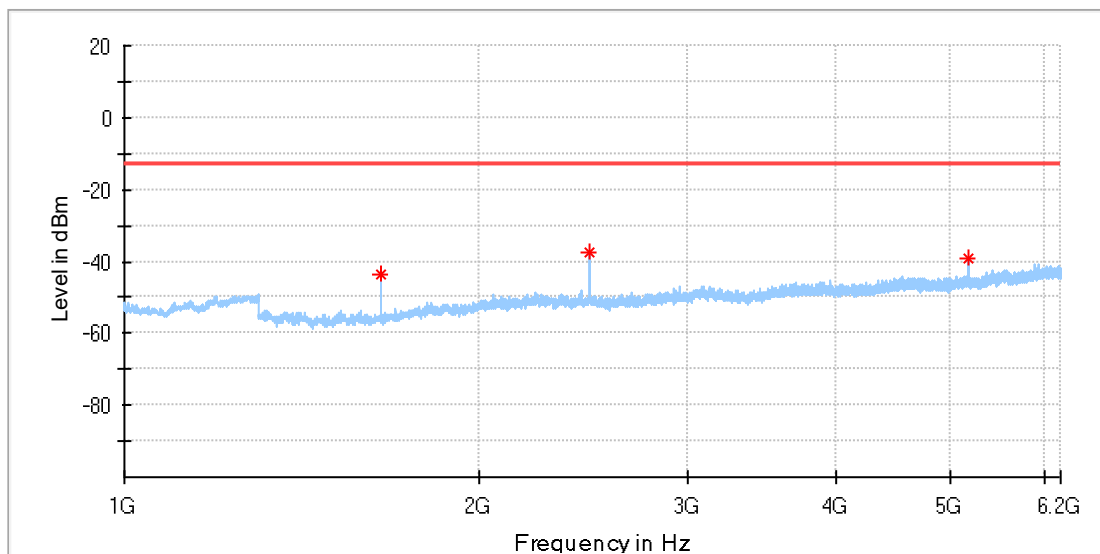
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6488.983333	-53.31	-13.00	40.31	100.	V	49.0	-87.8
8079.150000	-53.93	-13.00	40.93	100.	V	227.0	-86.7

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



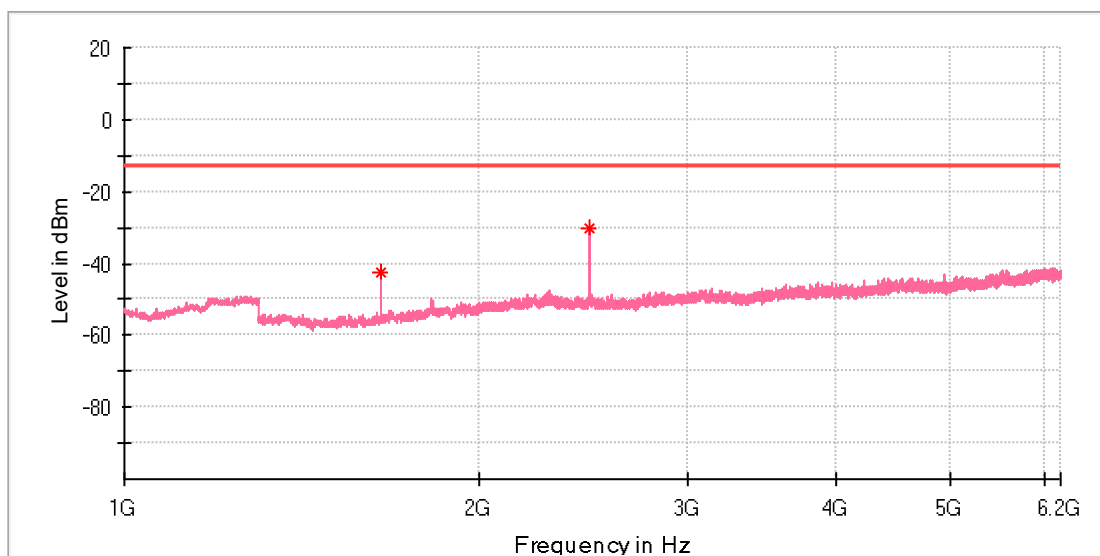
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1648.000000	-43.56	-13.00	30.56	100.	H	274.0	-92.4
2472.500000	-37.30	-13.00	24.30	100.	H	85.0	-87.9
5173.500000	-39.12	-13.00	26.12	100.	H	222.0	-82.8

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



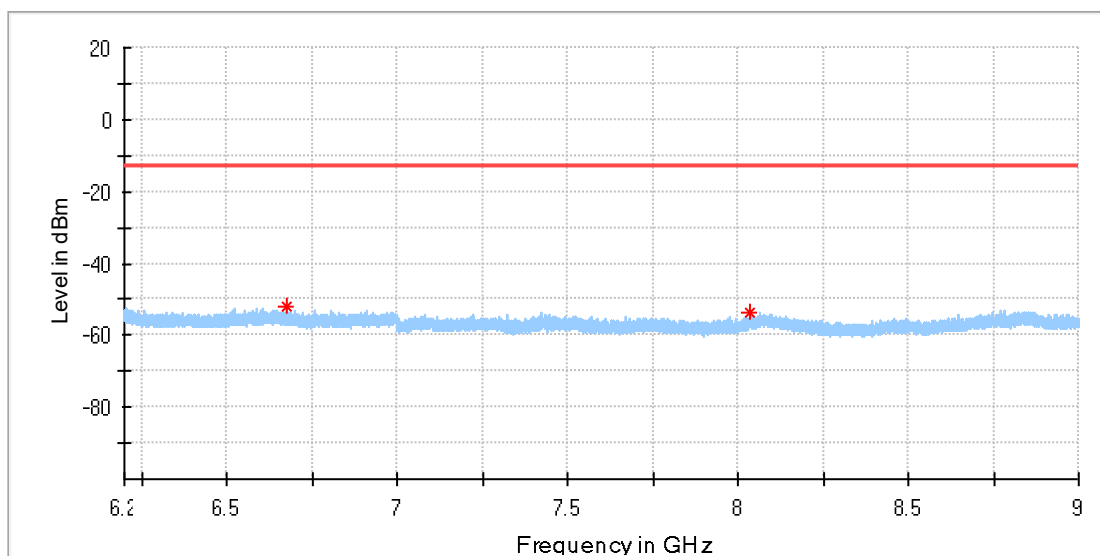
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1648.000000	-42.51	-13.00	29.51	100.	V	151.0	-92.4
2472.500000	-30.42	-13.00	17.42	100.	V	54.0	-88.0

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



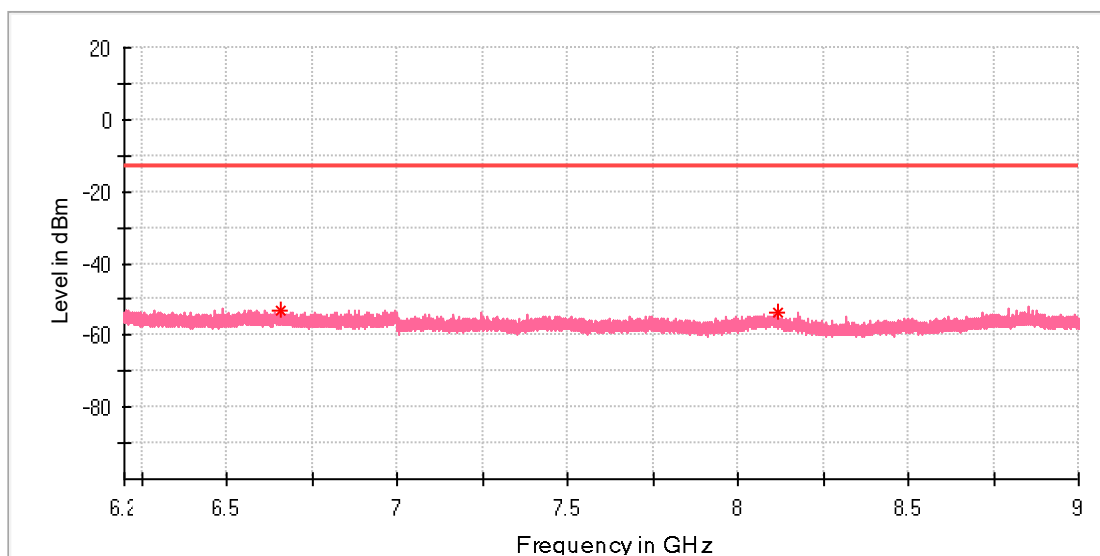
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6675.416667	-52.07	-13.00	39.07	100.	H	170.0	-87.7
8035.983333	-53.91	-13.00	40.91	100.	H	346.0	-87.2

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



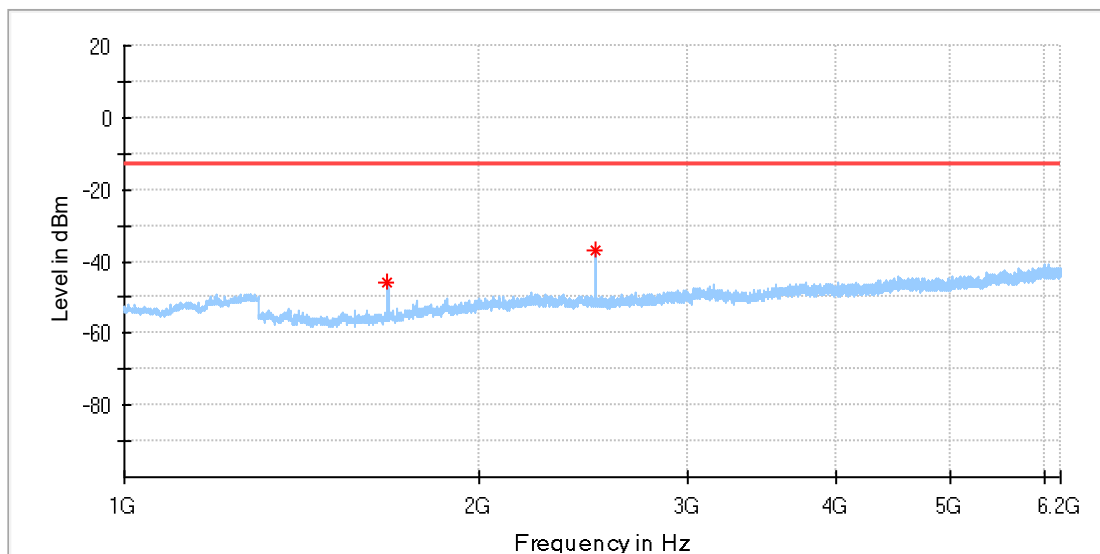
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6656.400000	-52.95	-13.00	39.95	100.	V	175.0	-87.9
8118.816667	-53.53	-13.00	40.53	100.	V	348.0	-86.9

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



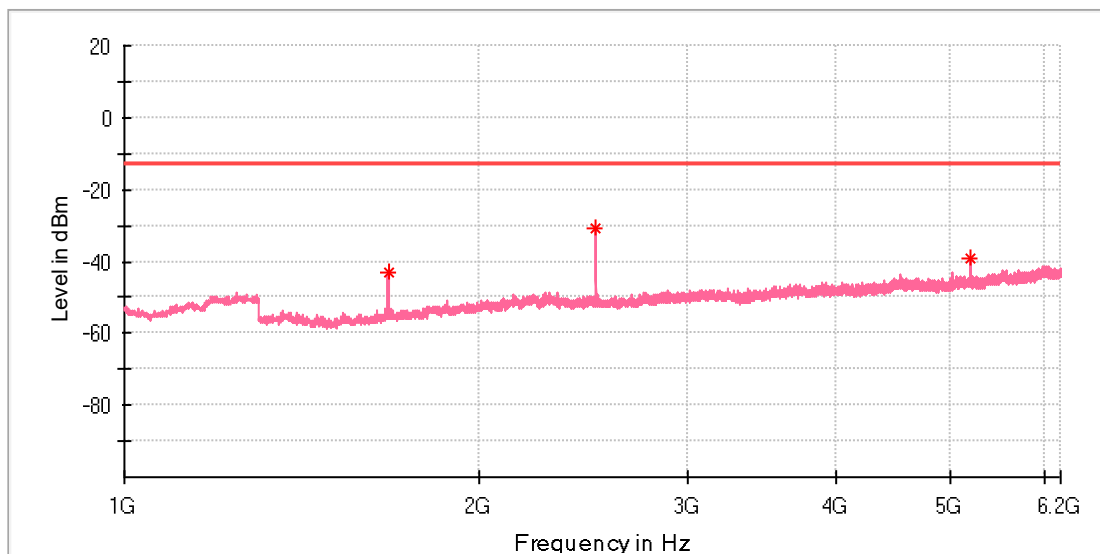
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1671.500000	-45.69	-13.00	32.69	100.	H	343.0	-92.5
2508.500000	-36.73	-13.00	23.73	100.	H	265.0	-88.3

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



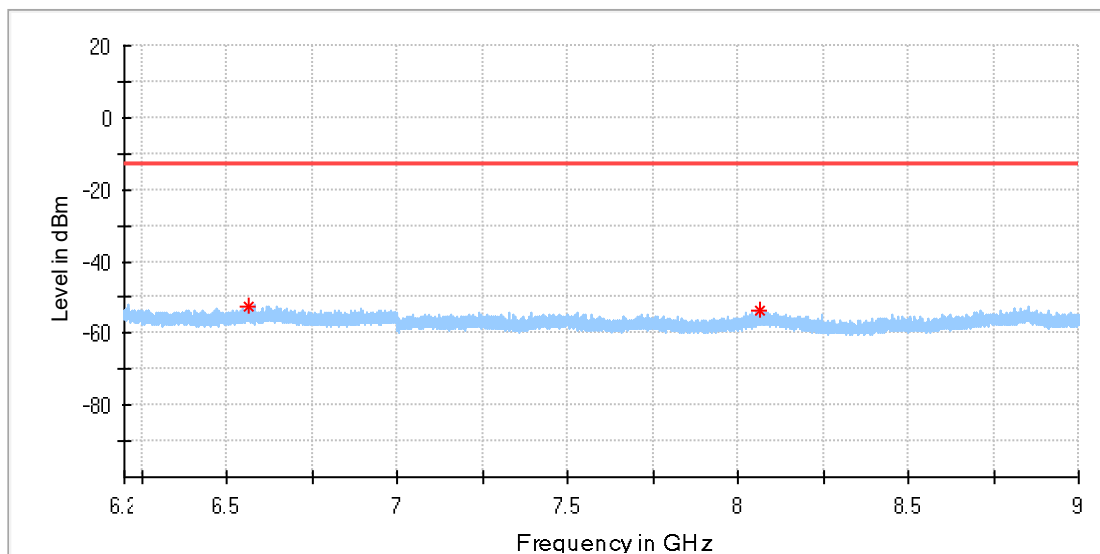
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1672.000000	-43.25	-13.00	30.25	100.	V	119.0	-92.2
2508.000000	-30.61	-13.00	17.61	100.	V	24.0	-88.2
5203.000000	-39.02	-13.00	26.02	100.	V	113.0	-83.0

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



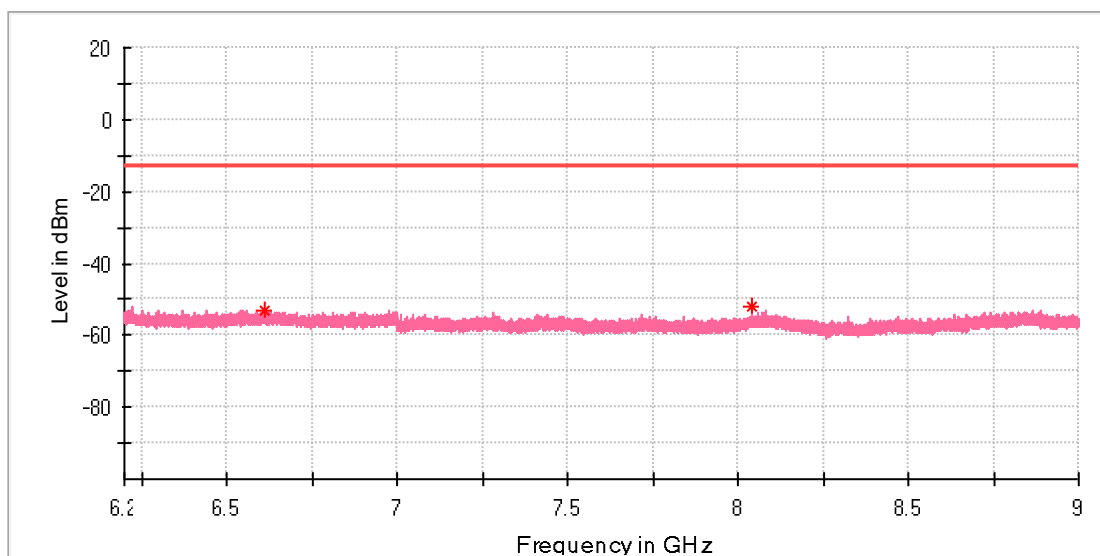
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6562.950000	-52.76	-13.00	39.76	100.	H	151.0	-87.4
8063.633333	-53.76	-13.00	40.76	100.	H	264.0	-86.8

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

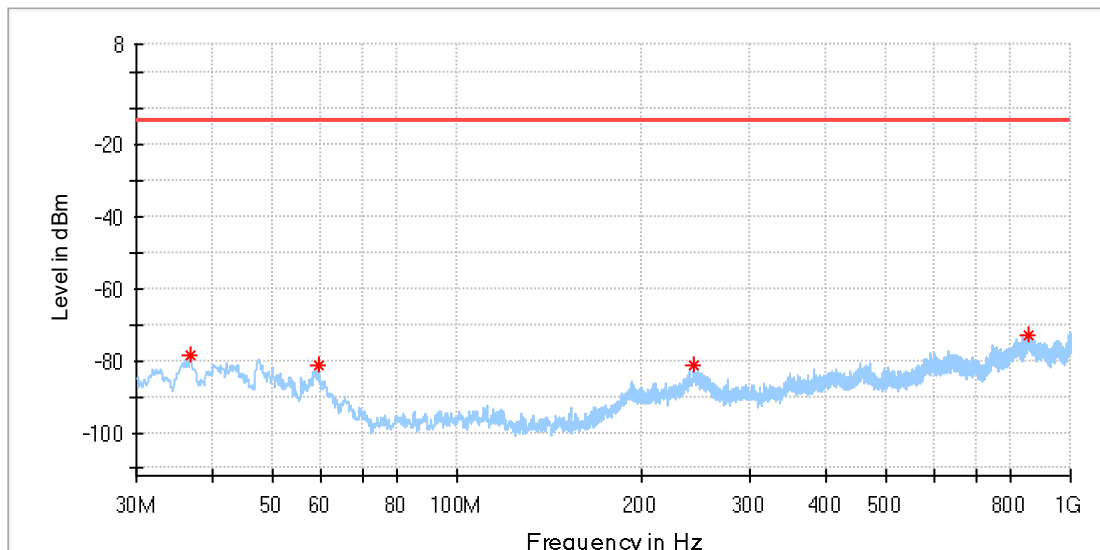
Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6612.183333	-53.05	-13.00	40.05	100.	V	97.0	-88.1
8042.400000	-52.23	-13.00	39.23	100.	V	142.0	-86.9

Produkte
Products

Below 1GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



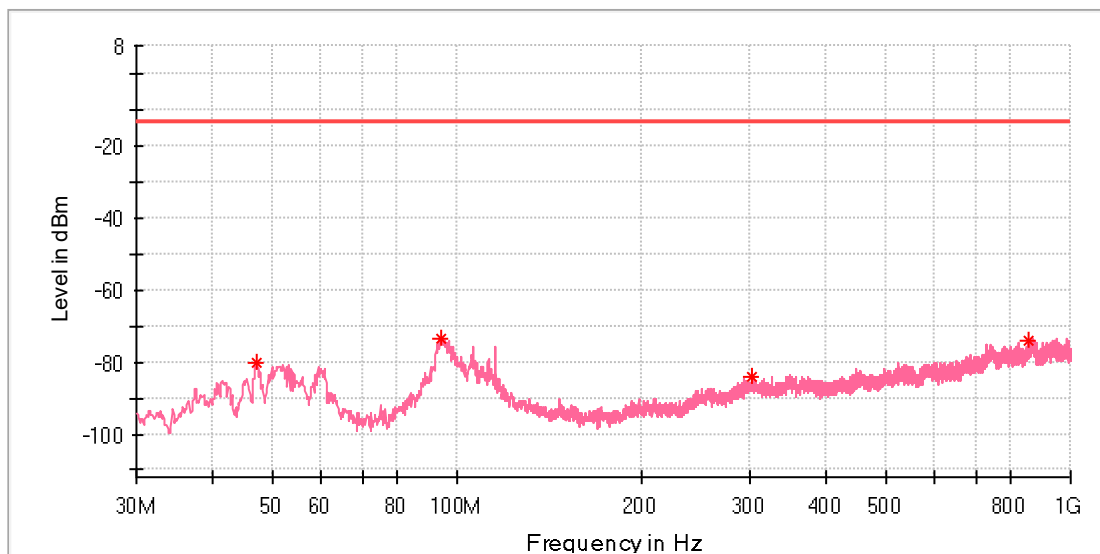
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
36.668750	-78.70	-13.00	65.70	100.	H	319.0	-113.
59.342500	-81.11	-13.00	68.11	100.	H	159.0	-116.
243.763750	-81.35	-13.00	68.35	100.	H	273.0	-110.
855.591250	-72.91	-13.00	59.91	100.	H	273.0	-99.2

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B5_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 22
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
47.096250	-80.37	-13.00	67.37	100.	V	352.0	-123.
94.262500	-73.32	-13.00	60.32	100.	V	130.0	-99.7
302.933750	-84.25	-13.00	71.25	100.	V	329.0	-111.
855.712500	-73.82	-13.00	60.82	100.	V	39.0	-100.

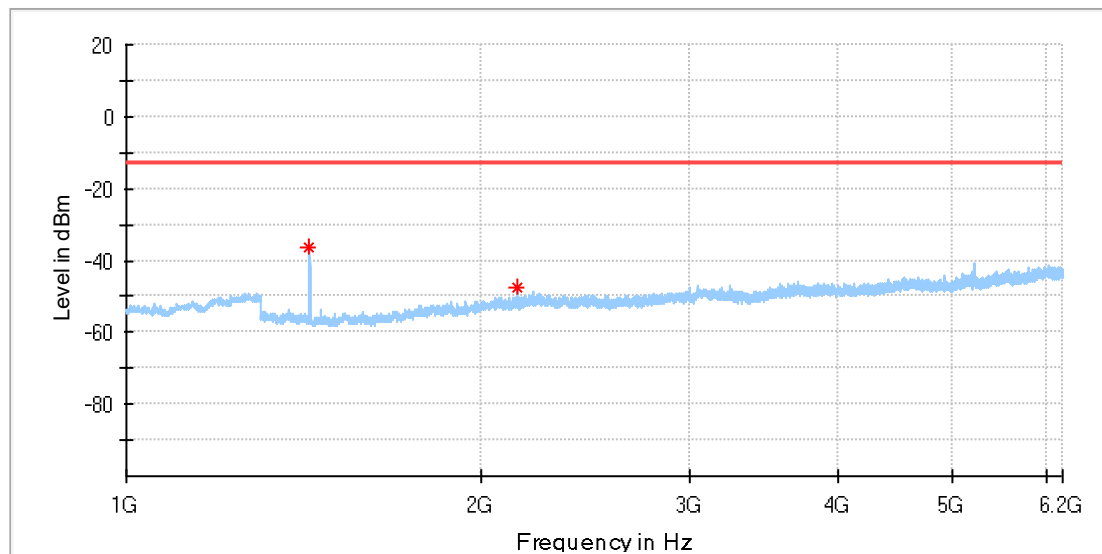
Appendix M.4: Field Strength of Spurious Radiation for Band 12

Only worst-case mode reported.

Above 1GHz

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



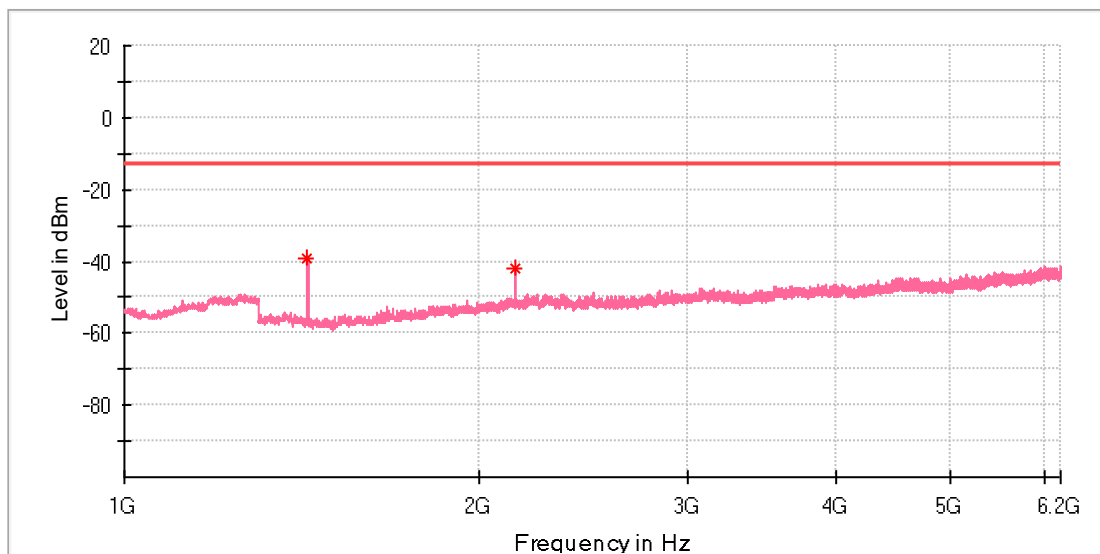
Critical Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1429.500000	-36.18	-13.00	23.18	100.	H	327.0	-93.4
2144.000000	-47.45	-13.00	34.45	100.	H	274.0	-88.5

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



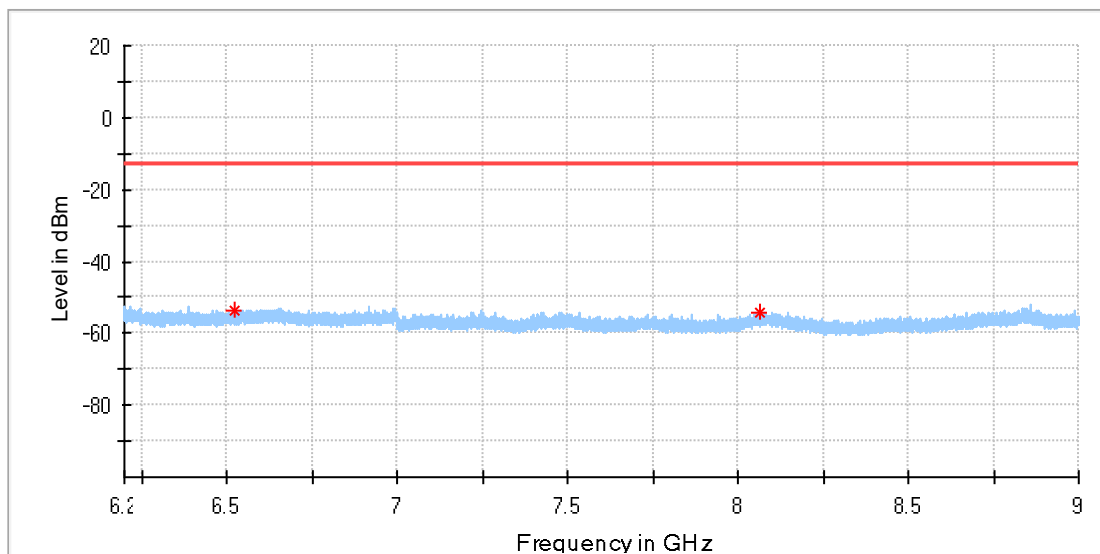
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1429.500000	-39.43	-13.00	26.43	100.	V	299.0	-93.5
2144.000000	-41.72	-13.00	28.72	100.	V	220.0	-87.9

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



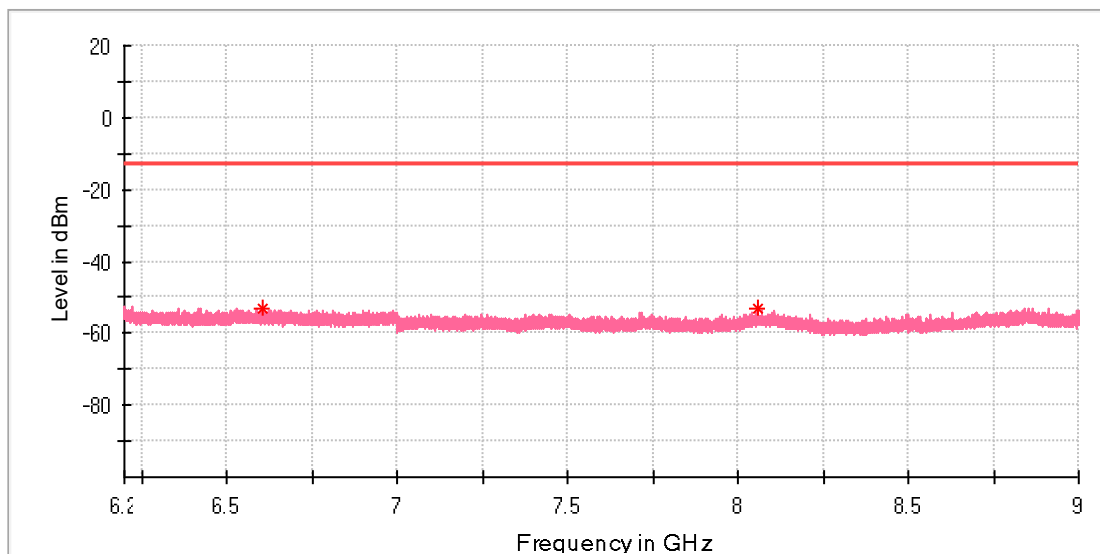
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6520.950000	-53.55	-13.00	40.55	100.	H	47.0	-87.5
8063.516667	-54.43	-13.00	41.43	100.	H	307.0	-86.8

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_High Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



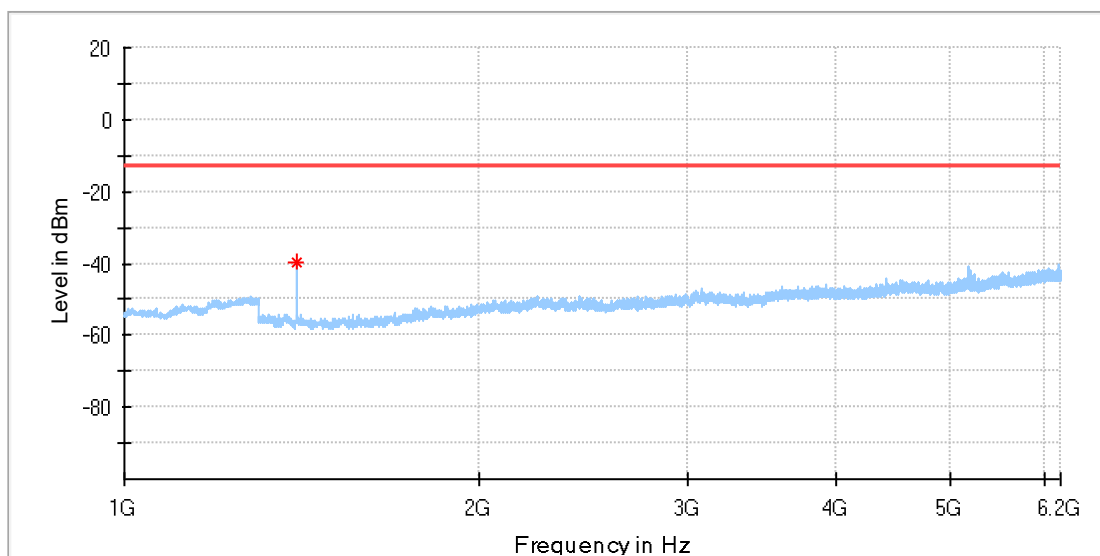
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6608.450000	-53.05	-13.00	40.05	100.	V	0.0	-88.1
8059.200000	-53.36	-13.00	40.36	100.	V	145.0	-86.8

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



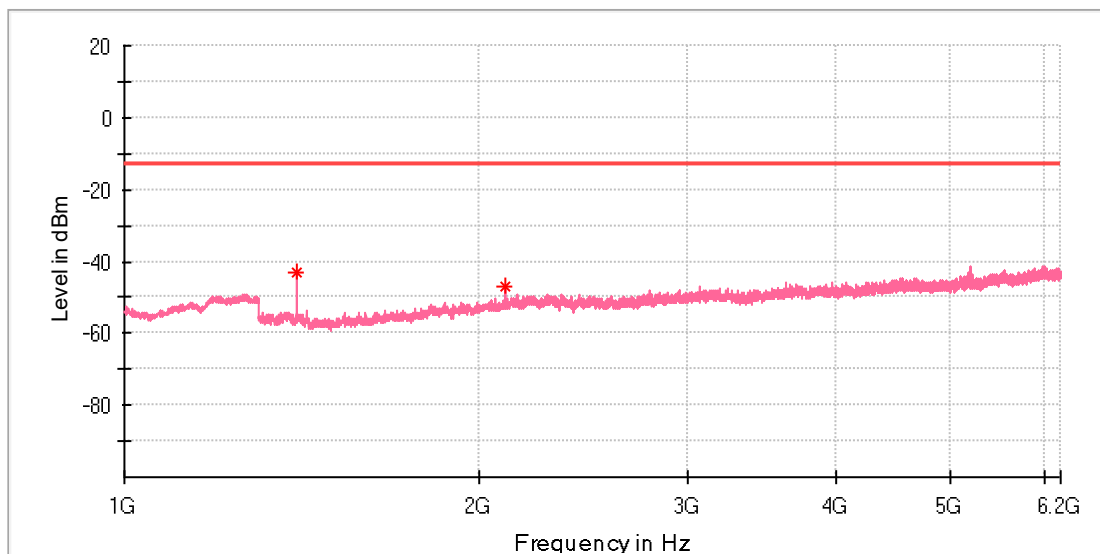
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Pol	Azimuth	Corr. (dB)
1398.500000	-39.96	-13.00	26.96	100.	H	291.0	-93.0

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



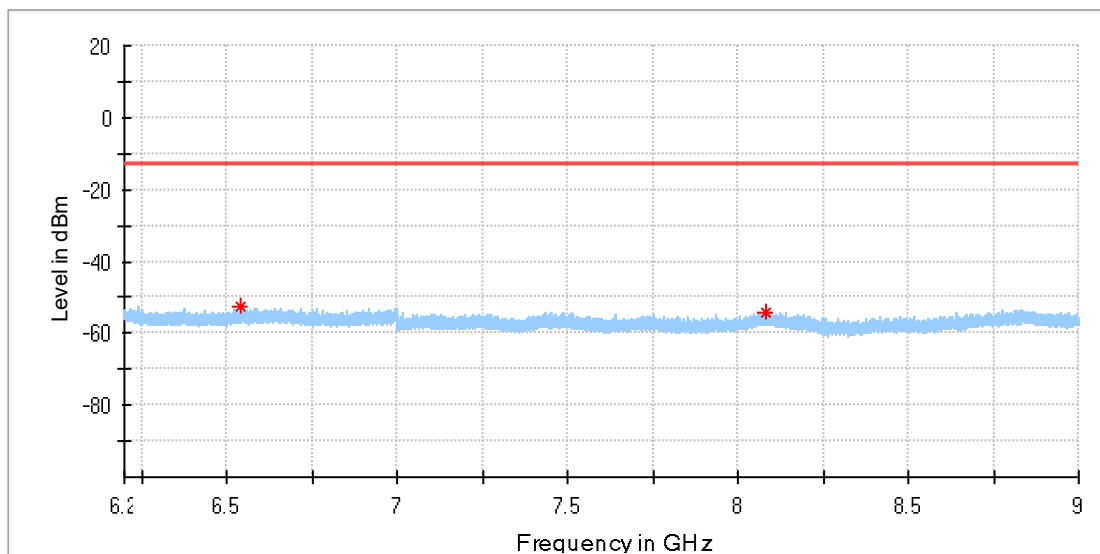
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Correction (dB)
1398.500000	-43.26	-13.00	30.26	100.	V	0.0	-92.8
2097.500000	-46.72	-13.00	33.72	100.	V	0.0	-88.6

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



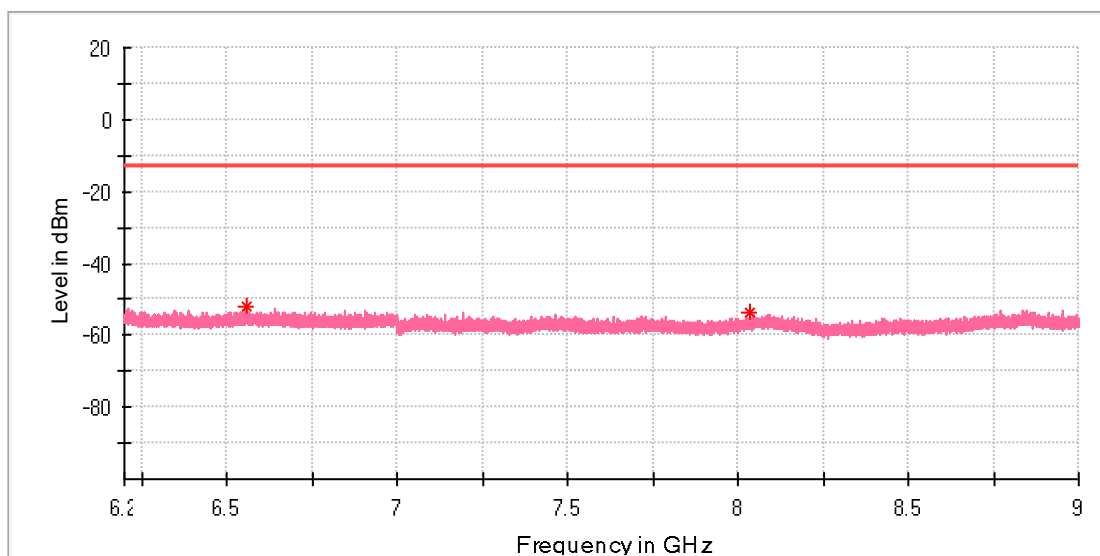
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6540.900000	-52.56	-13.00	39.56	100.	H	258.0	-87.4
8081.950000	-54.27	-13.00	41.27	100.	H	5.0	-86.6

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Low Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



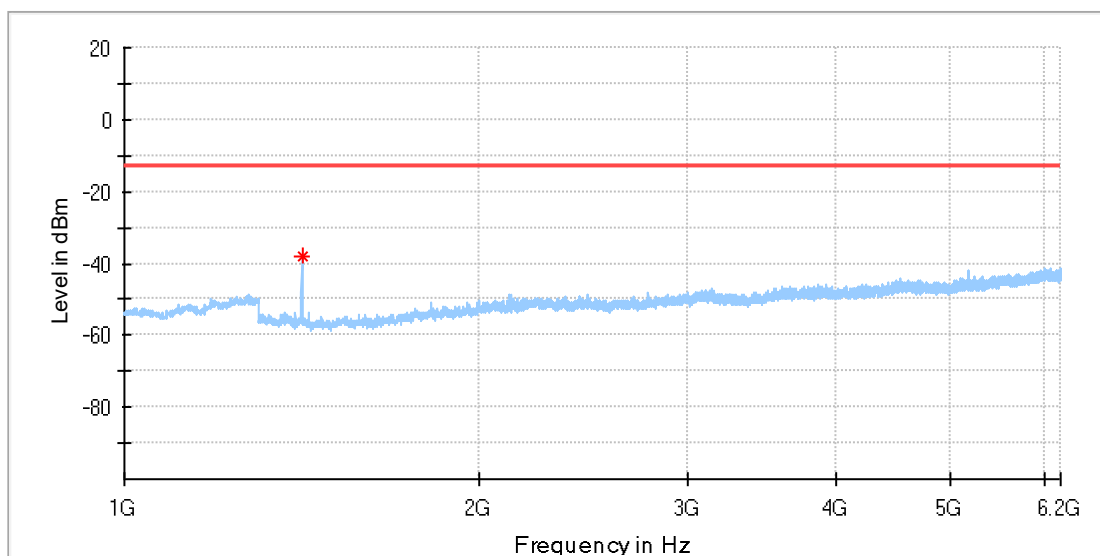
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6559.100000	-52.10	-13.00	39.10	100.	V	356.0	-87.3
8033.766667	-53.95	-13.00	40.95	100.	V	231.0	-87.0

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



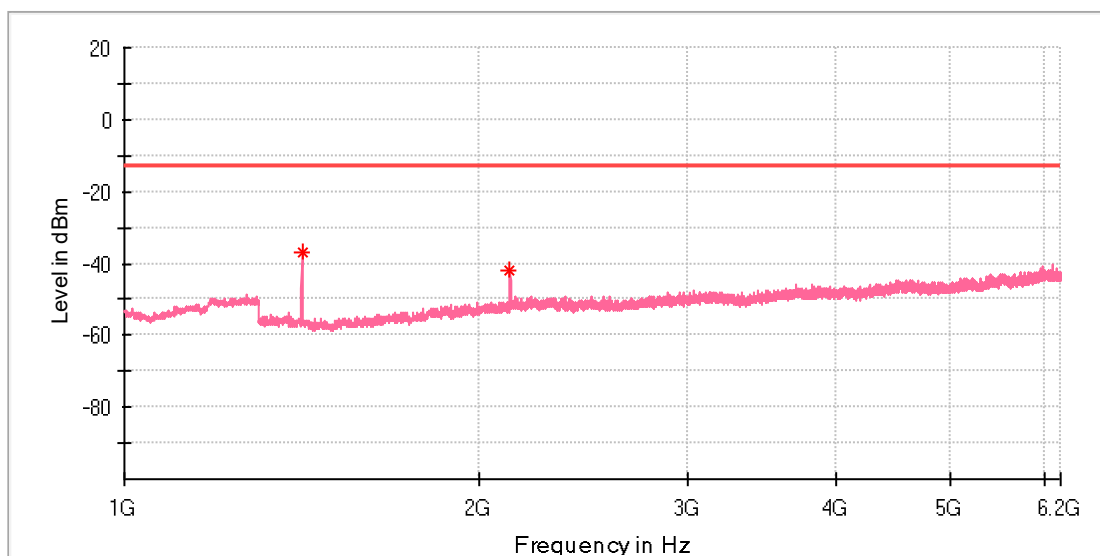
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1413.500000	-38.21	-13.00	25.21	100.	H	283.0	-92.5

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



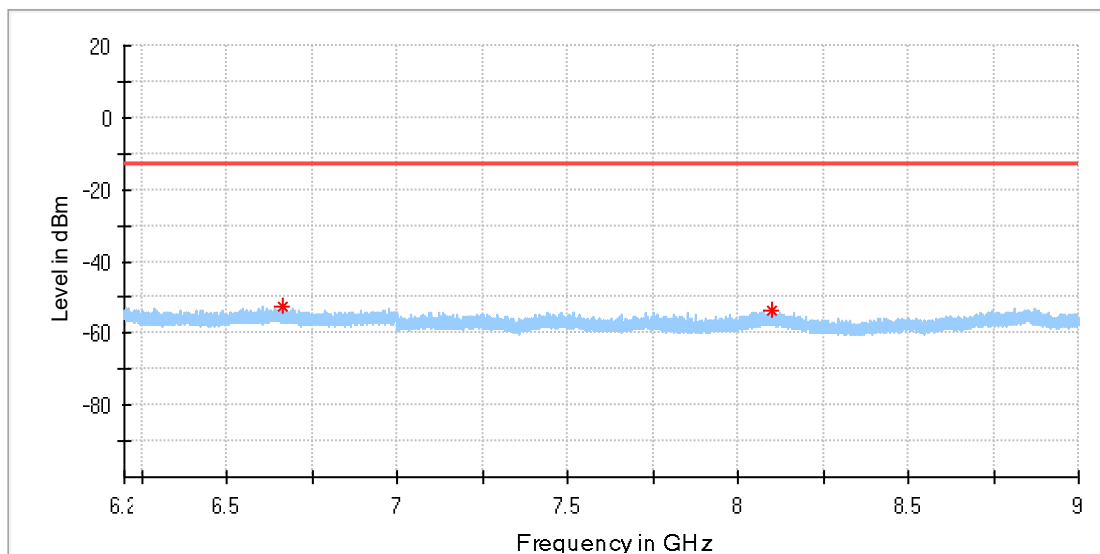
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
1414.000000	-37.20	-13.00	24.20	100.	V	240.0	-92.9
2121.000000	-41.87	-13.00	28.87	100.	V	253.0	-88.1

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



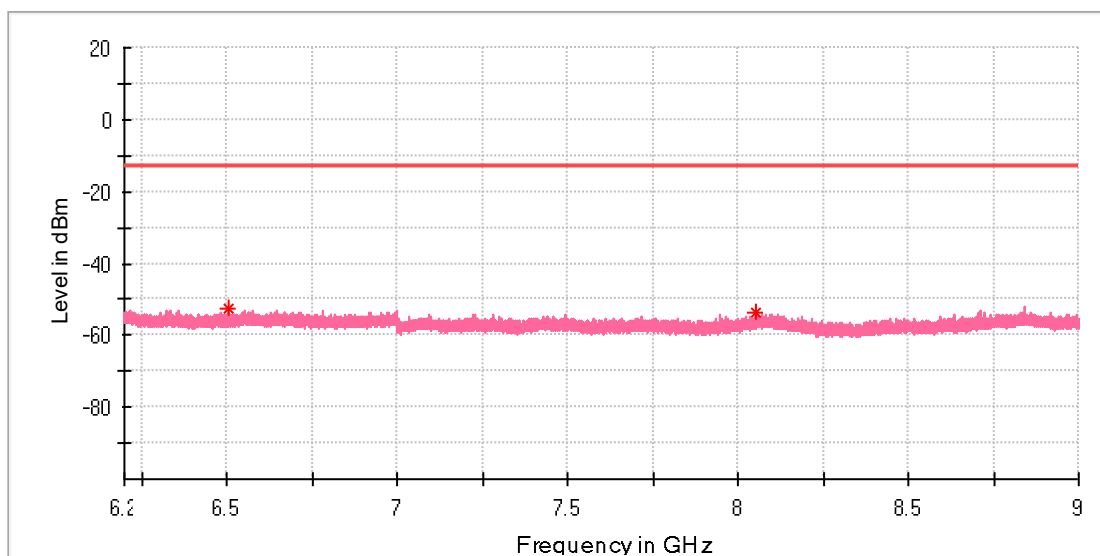
Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6663.400000	-52.31	-13.00	39.31	100.	H	0.0	-87.6
8098.983333	-53.54	-13.00	40.54	100.	H	303.0	-86.7

Produkte
Products

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

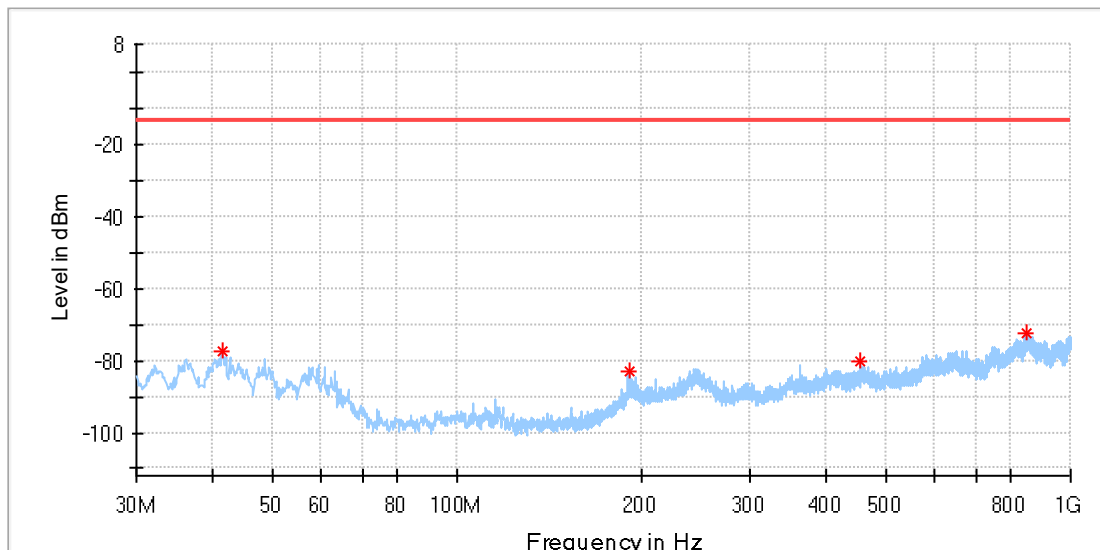
Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
6507.416667	-52.80	-13.00	39.80	100.	V	256.0	-87.7
8054.183333	-53.70	-13.00	40.70	100.	V	340.0	-86.8

Produkte
Products

Below 1GHz:

EUT Information

EUT Name:	CAT-M Module
Model:	ME310G1-W3
Test Mode:	B12_1.4M_QPSK_1@0_Mid Channel
Order No/Sample No:	168335486/A003146834-010
Test Voltage::	DC 3.8V From DC Source
Remark:	Temp 22 Humi:52%
Test Standard:	FCC Part 27
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak	Limit (dBm)	Margin	Height	Polarization	Azimuth	Corr. (dB)
41.397500	-77.13	-13.00	64.13	100.	H	229.0	-112.
191.141250	-83.17	-13.00	70.17	100.	H	214.0	-115.
453.647500	-80.34	-13.00	67.34	100.	H	0.0	-108.
849.892500	-72.28	-13.00	59.28	100.	H	122.0	-99.0