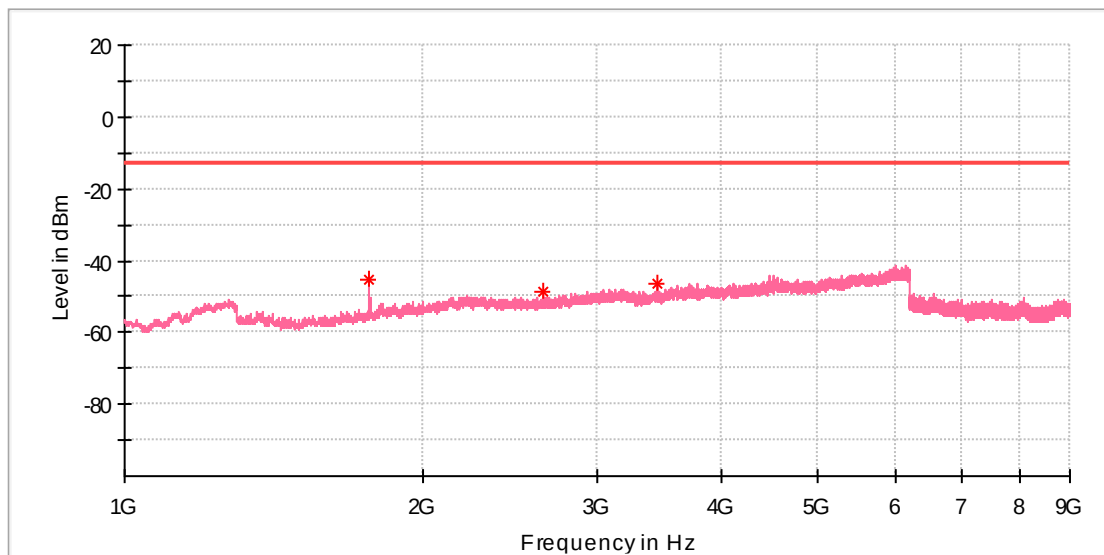


Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-VV
Test Mode:	TX Low 15kHz QPSK 12@0
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1766.000000	-45.20	-13.00	32.20	100.0	V	147.0	-91.2
2649.000000	-48.70	-13.00	35.70	100.0	V	154.0	-88.1
3446.000000	-46.67	-13.00	33.67	100.0	V	78.0	-86.5

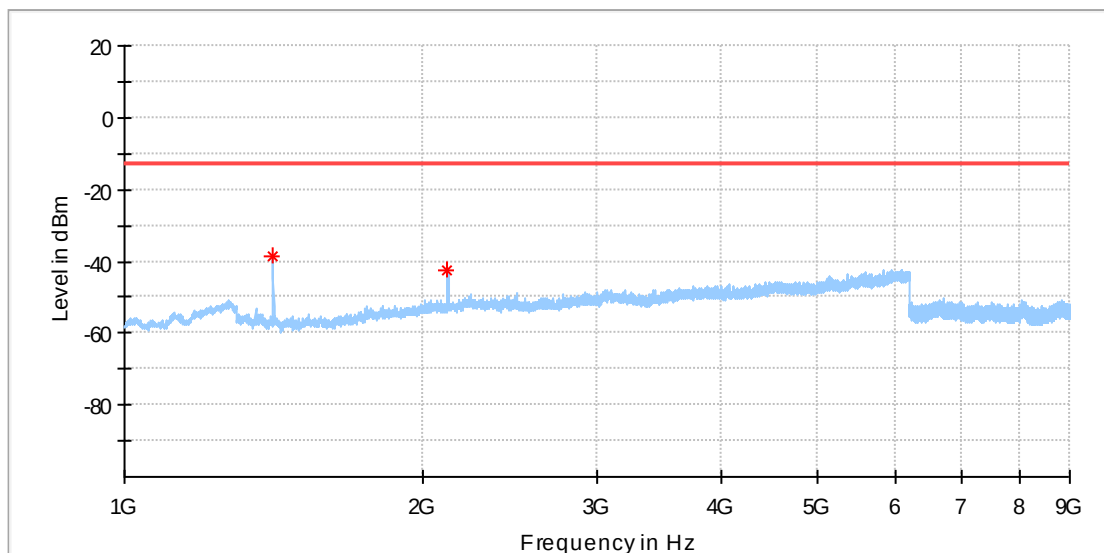
Produkte
Products

Mid Channel
3.75 kHz

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 3.75kHz QPSK 1@0
Test Voltage:	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1413.500000	-38.49	---	-13.00	25.49	100.0	H	251.0	-92.5
2120.500000	-42.67	---	-13.00	29.67	100.0	H	63.0	-88.6

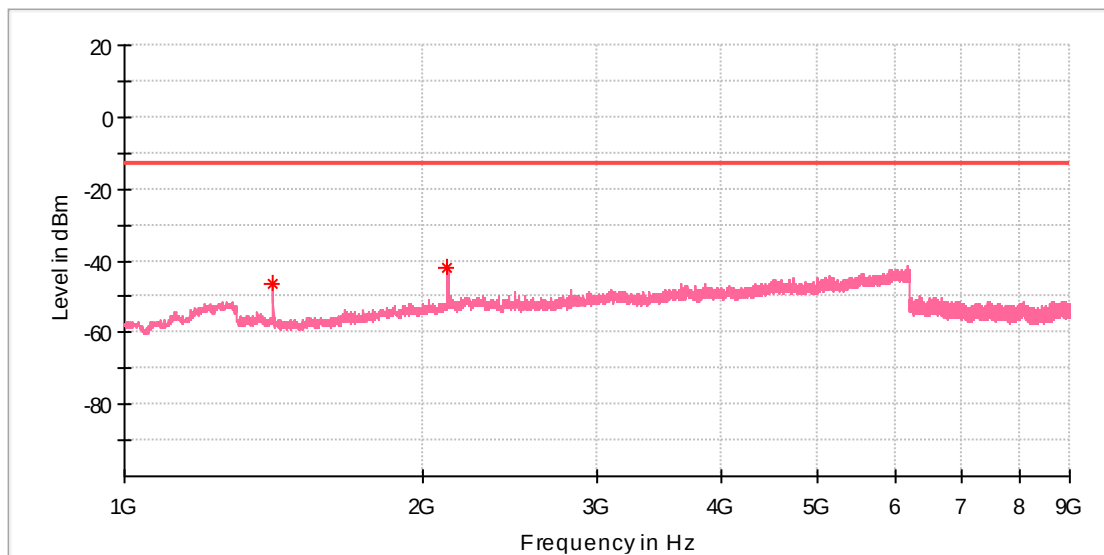
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 3.75kHz QPSK 1@0
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1413.500000	-46.70	---	-13.00	33.70	100.0	V	279.0	-92.9
2120.500000	-41.81	---	-13.00	28.81	100.0	V	321.0	-88.1

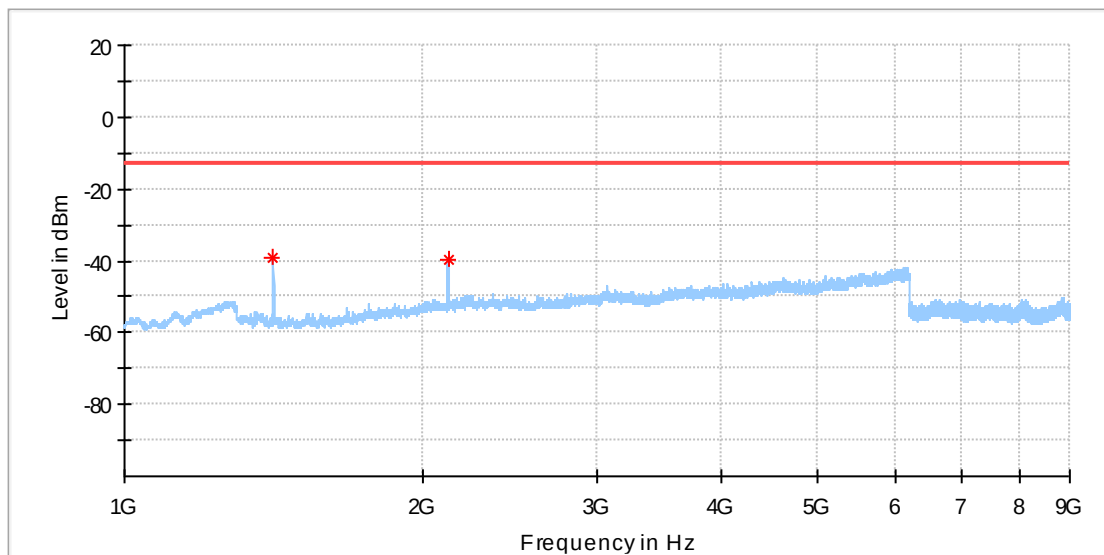
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 3.75kHz QPSK 1@47
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1414.000000	-39.30	---	-13.00	26.30	100.0	H	256.0	-92.5
2121.000000	-39.54	---	-13.00	26.54	100.0	H	70.0	-88.6

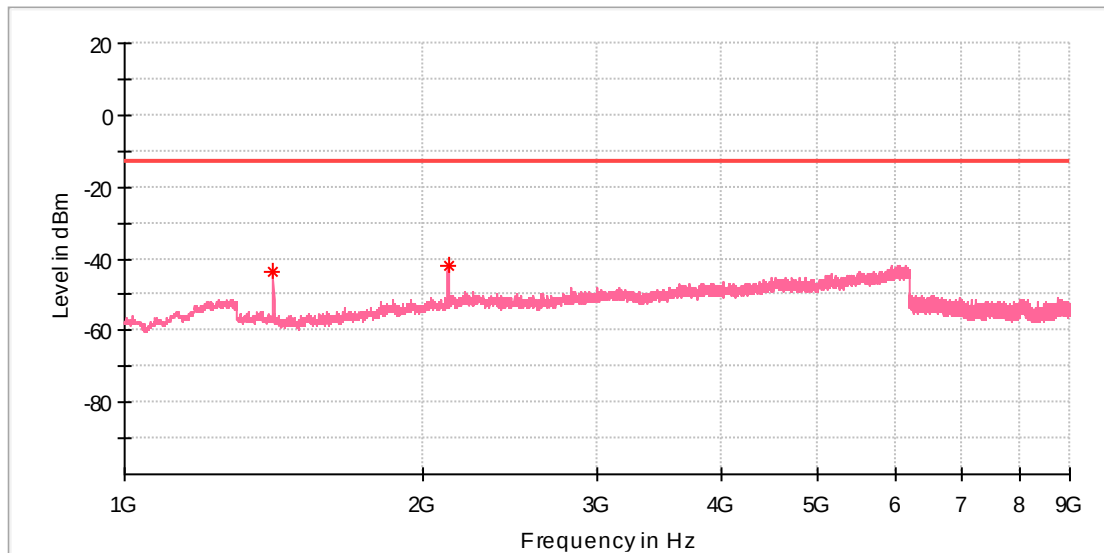
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-VV
Test Mode:	TX Mid 3.75kHz QPSK 1@47
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1413.500000	-43.55	---	-13.00	30.55	100.0	V	283.0	-92.9
2121.000000	-42.14	---	-13.00	29.14	100.0	V	322.0	-88.1

Final Result

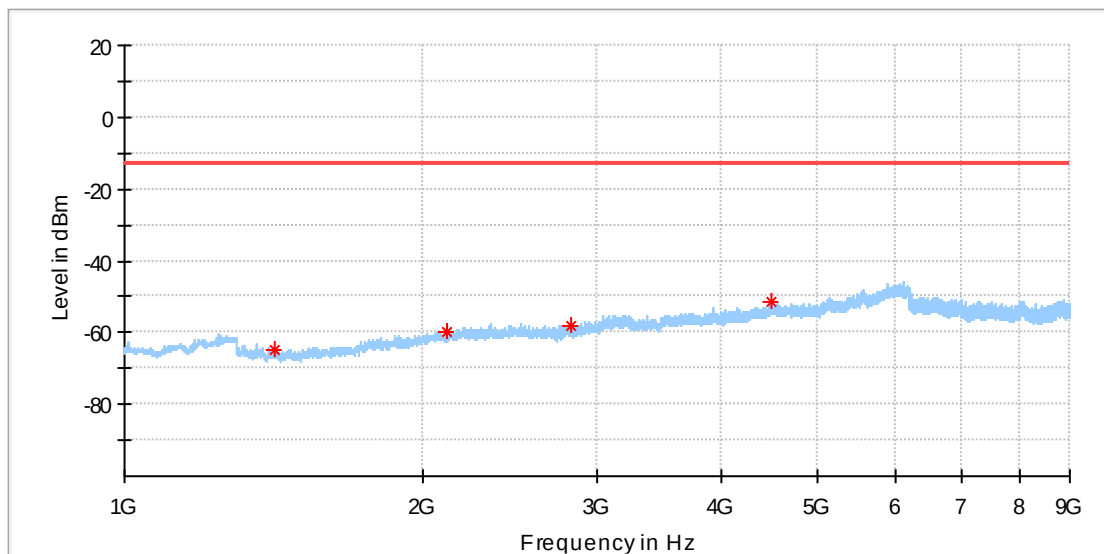
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

15 kHz

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 15kHz BPSK 1@11
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



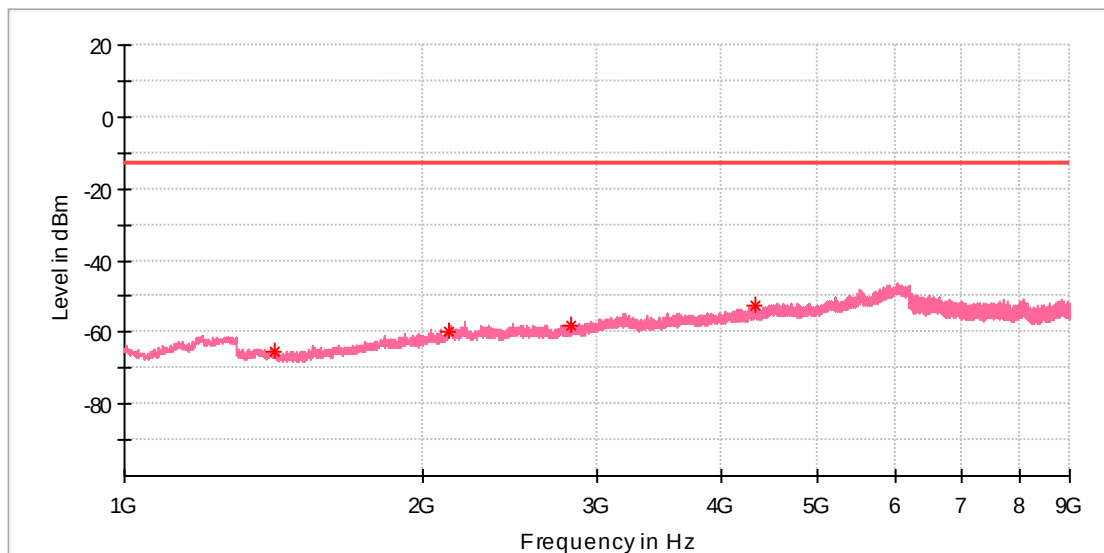
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1415.000000	-64.70	-13.00	51.70	100.0	H	331.0	-92.5
2119.000000	-60.06	-13.00	47.06	100.0	H	6.0	-88.6
2829.500000	-58.18	-13.00	45.18	100.0	H	331.0	-87.5
4495.500000	-51.62	-13.00	38.62	100.0	H	67.0	-83.8

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 15kHz BPSK 1@11
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



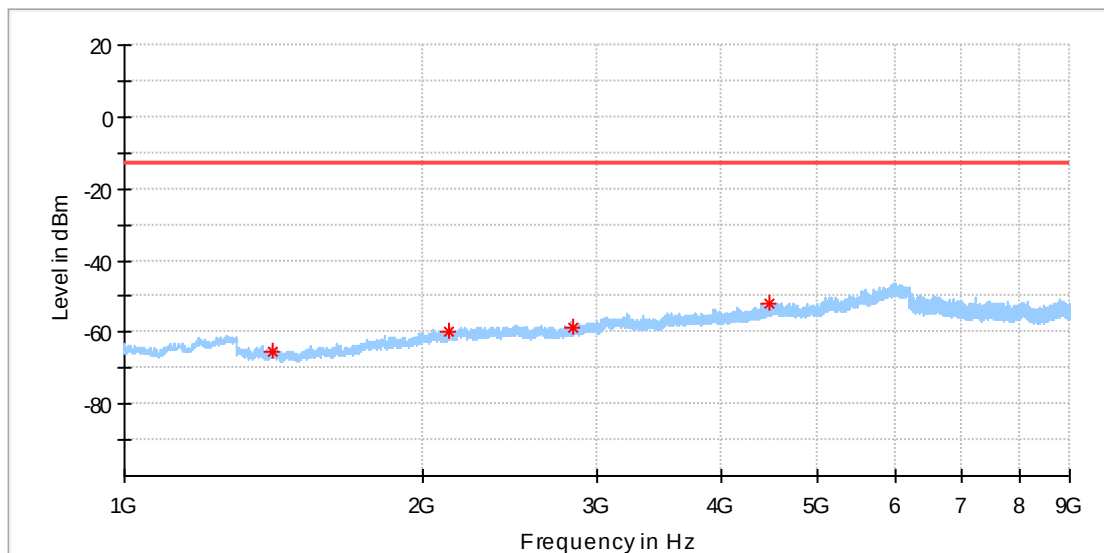
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1421.000000	-65.53	-13.00	52.53	100.0	V	112.0	-93.2
2125.500000	-59.84	-13.00	46.84	100.0	V	354.0	-87.9
2828.500000	-57.88	-13.00	44.88	100.0	V	133.0	-87.4
4335.000000	-52.80	-13.00	39.80	100.0	V	29.0	-84.8

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 15kHz BPSK 1@0
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



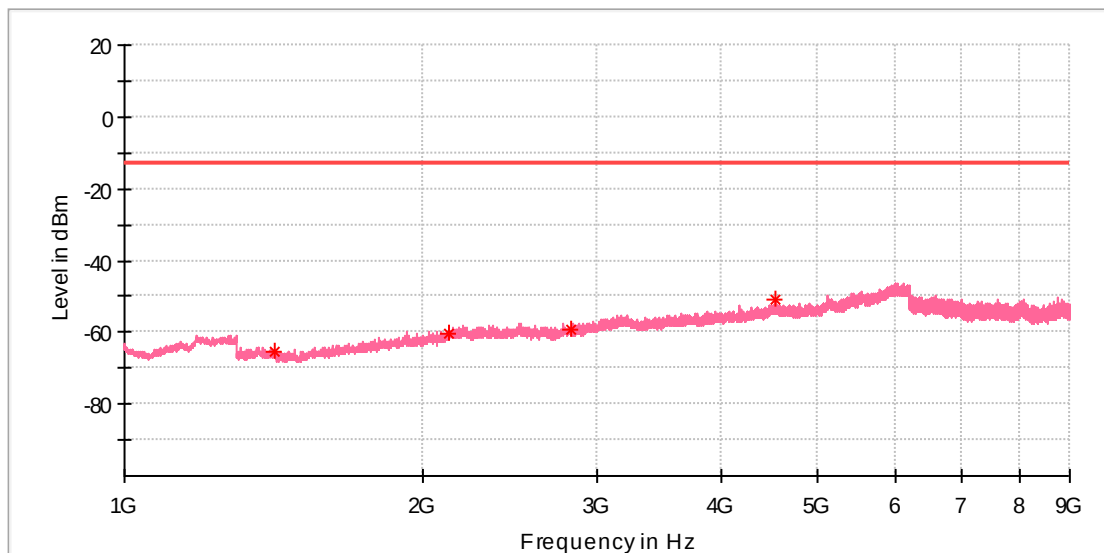
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1414.000000	-65.60	-13.00	52.60	100.0	H	232.0	-92.5
2121.500000	-59.99	-13.00	46.99	100.0	H	274.0	-88.5
2830.500000	-58.68	-13.00	45.68	100.0	H	58.0	-87.5
4468.500000	-52.01	-13.00	39.01	100.0	H	65.0	-84.1

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 15kHz BPSK 1@0
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



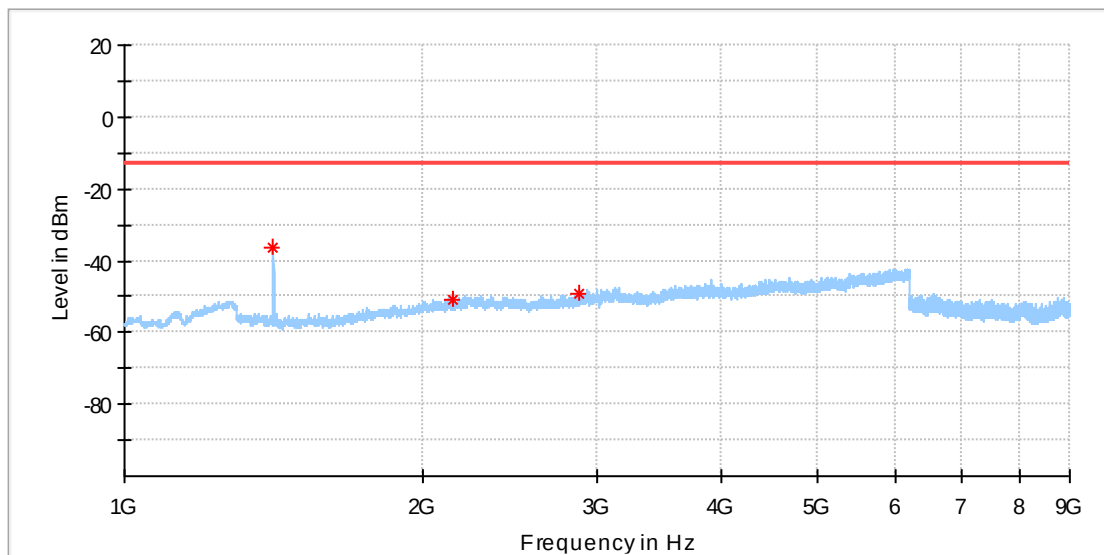
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1417.000000	-65.63	-13.00	52.63	100.0	V	331.0	-93.0
2121.000000	-60.62	-13.00	47.62	100.0	V	213.0	-88.1
2830.000000	-59.31	-13.00	46.31	100.0	V	227.0	-87.4
4536.000000	-51.08	-13.00	38.08	100.0	V	220.0	-83.3

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 15kHz QPSK 12@0
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



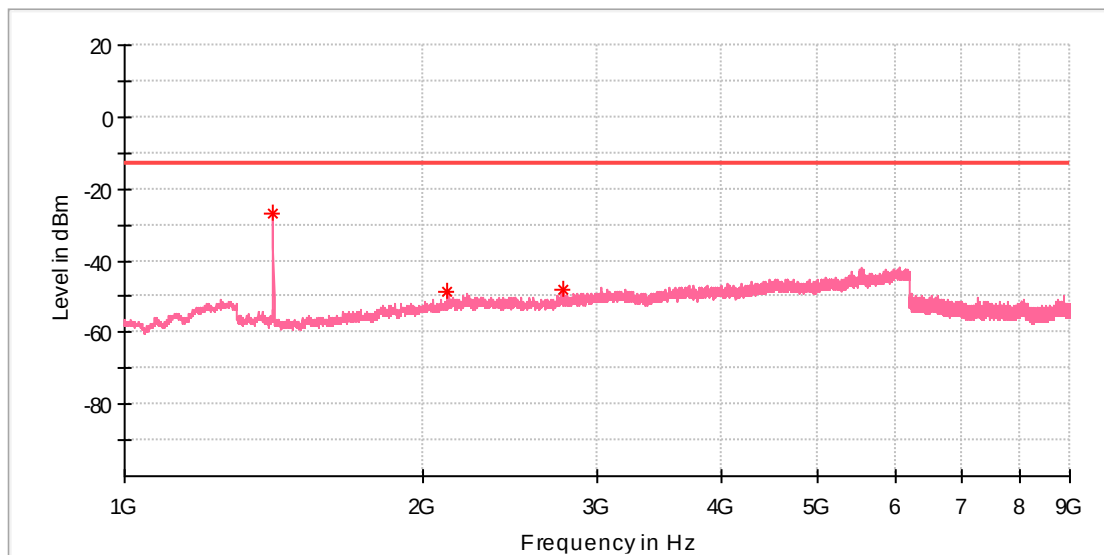
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1414.000000	-36.42	-13.00	23.42	100.0	H	23.0	-92.5
2145.000000	-50.66	-13.00	37.66	100.0	H	252.0	-88.5
2879.000000	-49.18	-13.00	36.18	100.0	H	349.0	-86.8

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Mid 15kHz QPSK 12@0
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

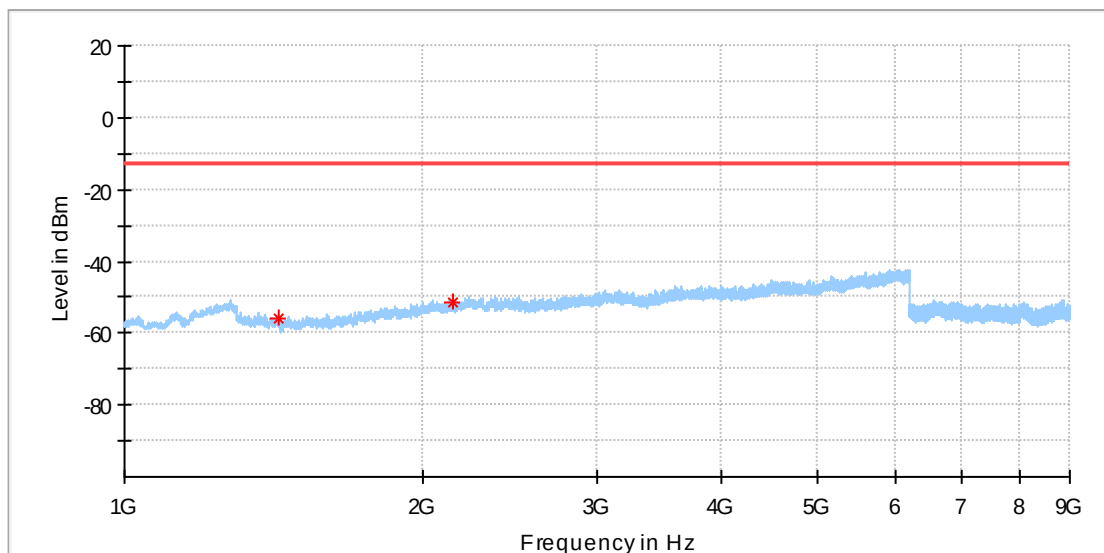
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1414.000000	-27.12	-13.00	14.12	100.0	V	4.0	-92.9
2120.000000	-48.39	-13.00	35.39	100.0	V	334.0	-88.1
2778.000000	-48.35	-13.00	35.35	100.0	V	293.0	-87.3

High Channel
3.75 kHz

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 3.75kHz QPSK 1@0
Test Voltage:	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1432.000000	-55.66	---	-13.00	42.66	100.0	H	6.0	-93.5
2146.500000	-51.20	---	-13.00	38.20	100.0	H	148.0	-88.6

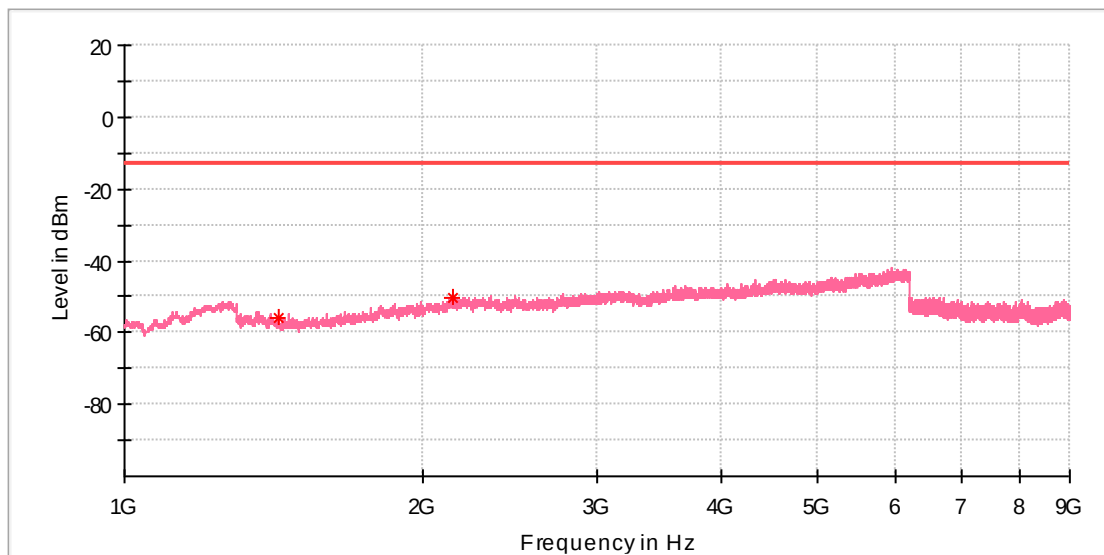
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 3.75kHz QPSK 1@0
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1432.500000	-55.97	---	-13.00	42.97	100.0	V	144.0	-93.6
2145.500000	-50.46	---	-13.00	37.46	100.0	V	172.0	-88.0

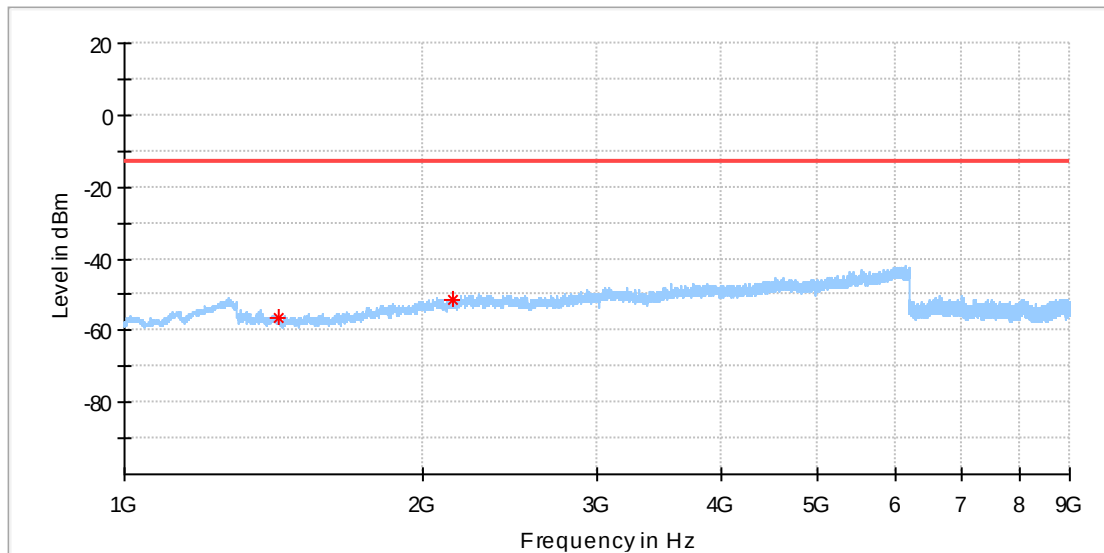
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 3.75kHz QPSK 1@47
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1429.500000	-56.43	---	-13.00	43.43	100.0	H	164.0	-93.4
2145.000000	-51.39	---	-13.00	38.39	100.0	H	192.0	-88.5

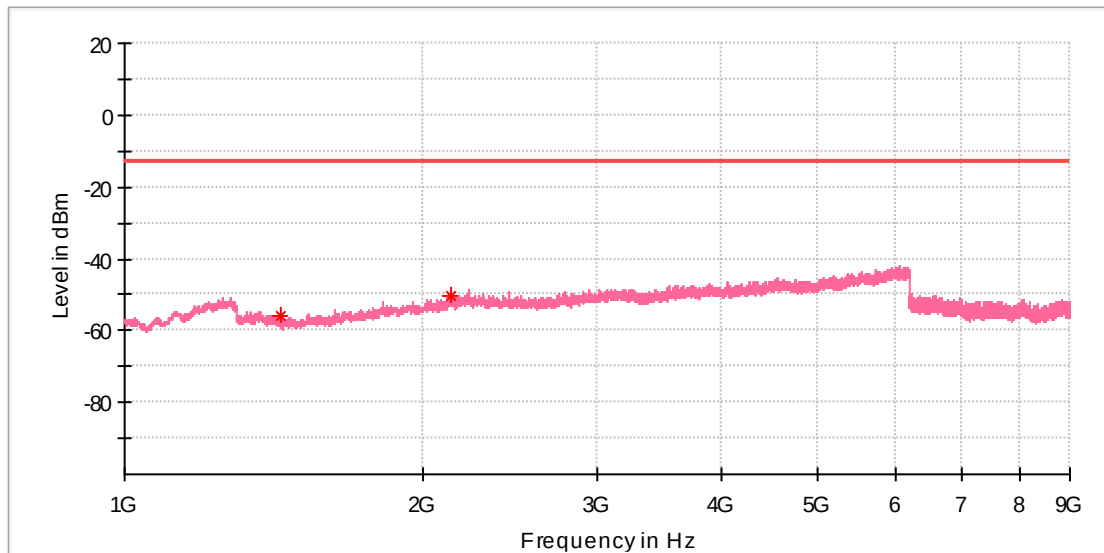
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 3.75kHz QPSK 1@47
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1436.500000	-55.92	---	-13.00	42.92	100.0	V	80.0	-93.7
2137.000000	-50.15	---	-13.00	37.15	100.0	V	109.0	-87.8

Final Result

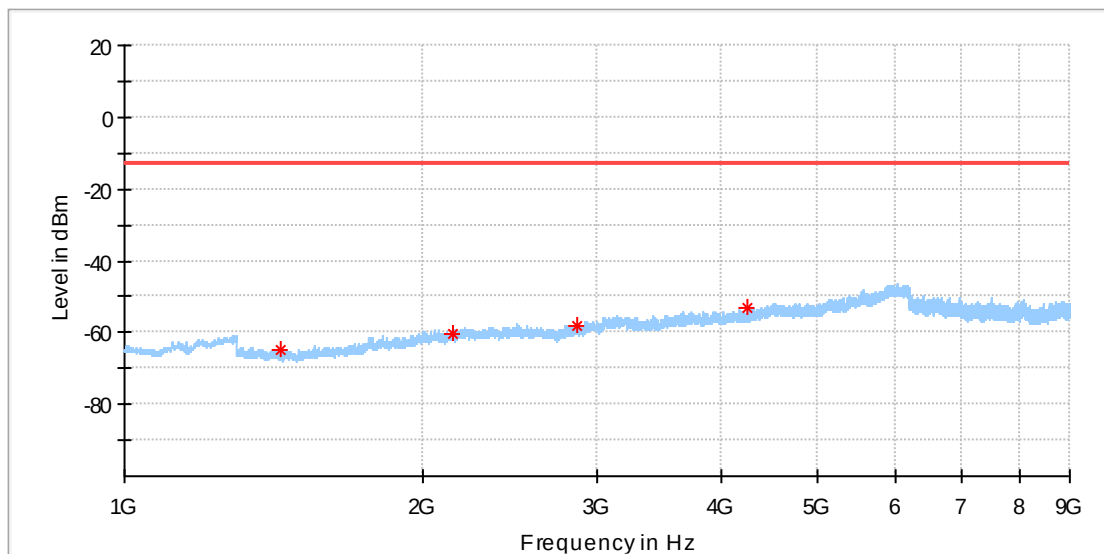
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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15 kHz

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 15kHz BPSK 1@0
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



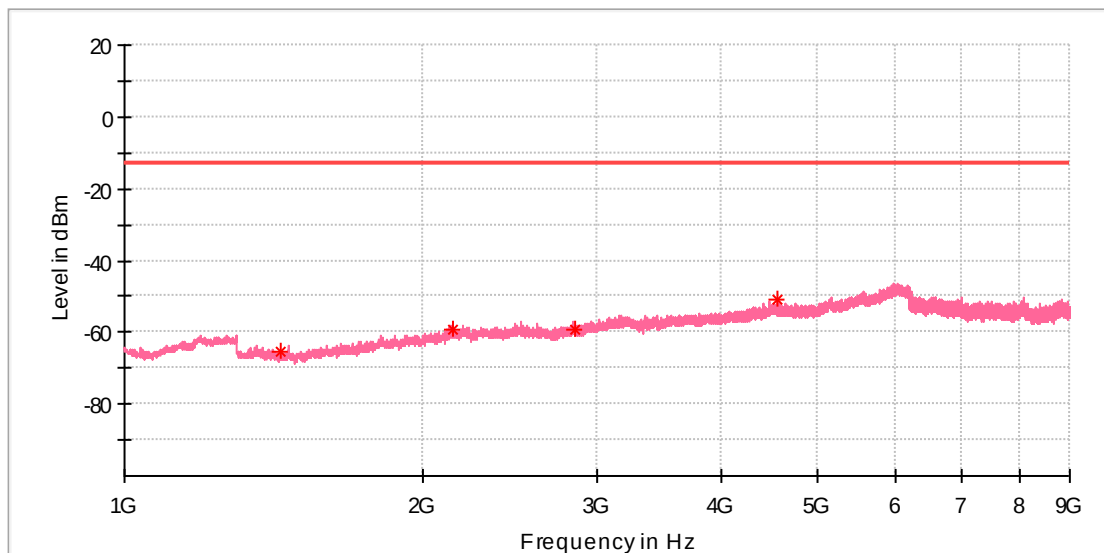
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1435.500000	-64.94	-13.00	51.94	100.0	H	67.0	-93.6
2145.000000	-60.26	-13.00	47.26	100.0	H	1.0	-88.5
2861.000000	-58.27	-13.00	45.27	100.0	H	282.0	-87.1
4263.000000	-53.08	-13.00	40.08	100.0	H	53.0	-85.2

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 15kHz BPSK 1@0
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



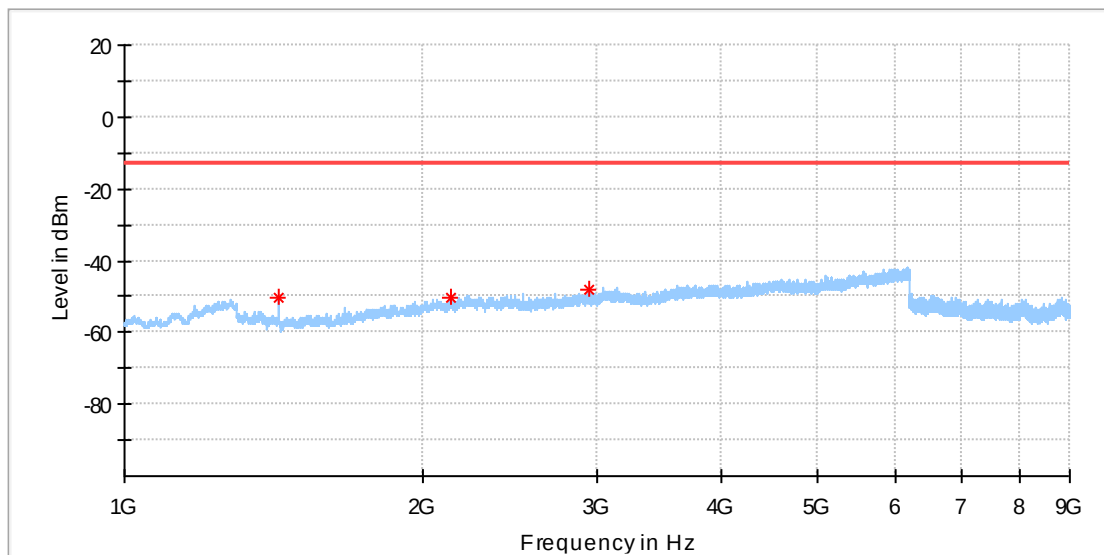
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1439.000000	-65.28	-13.00	52.28	100.0	V	347.0	-93.7
2141.000000	-59.47	-13.00	46.47	100.0	V	131.0	-87.9
2856.500000	-59.28	-13.00	46.28	100.0	V	208.0	-87.0
4567.000000	-51.10	-13.00	38.10	100.0	V	257.0	-83.6

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 15kHz BPSK 1@11
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



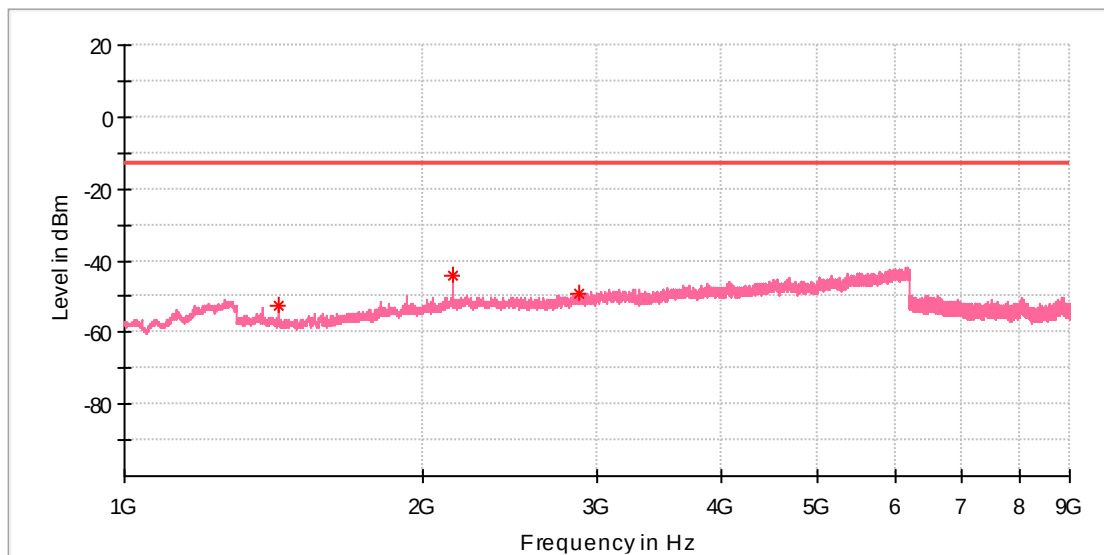
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1432.000000	-50.50	-13.00	37.50	100.0	H	43.0	-93.5
2133.000000	-50.44	-13.00	37.44	100.0	H	43.0	-88.2
2939.000000	-48.09	-13.00	35.09	100.0	H	154.0	-86.9

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 15kHz BPSK 1@11
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



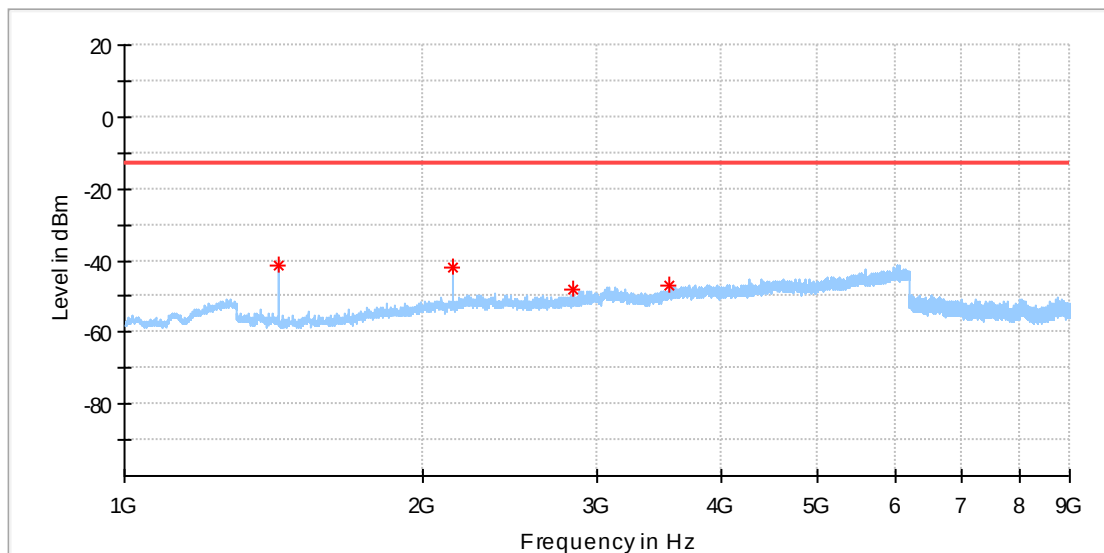
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1432.000000	-52.48	-13.00	39.48	100.0	V	79.0	-93.6
2147.500000	-44.23	-13.00	31.23	100.0	V	51.0	-88.0
2881.000000	-49.09	-13.00	36.09	100.0	V	295.0	-86.9

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX High 15kHz QPSK 12@0
Test Voltage:	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



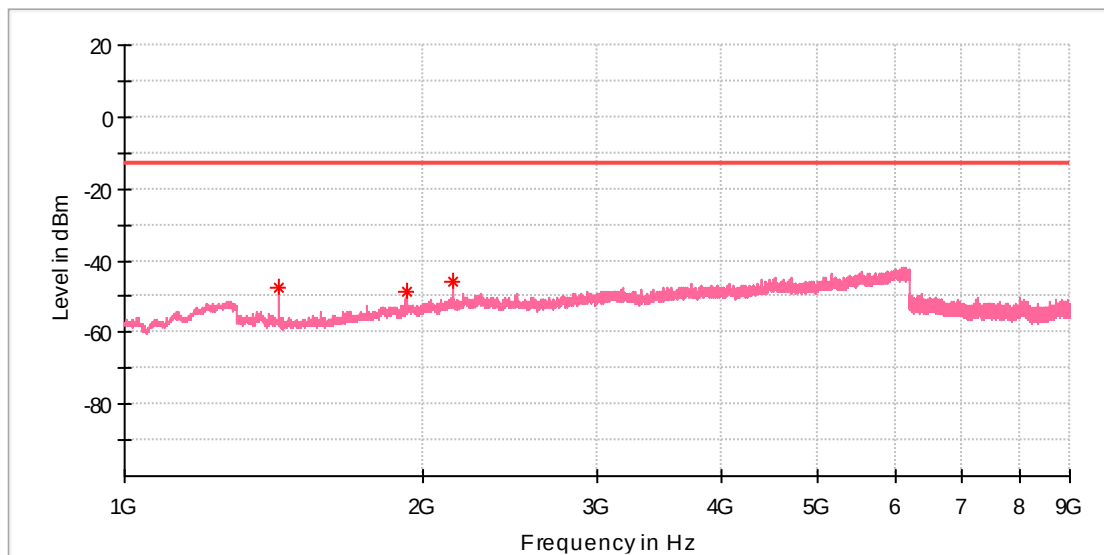
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1431.500000	-41.23	-13.00	28.23	100.0	H	43.0	-93.5
2148.000000	-42.04	-13.00	29.04	100.0	H	57.0	-88.6
2836.500000	-48.03	-13.00	35.03	100.0	H	0.0	-87.6
3554.500000	-46.81	-13.00	33.81	100.0	H	279.0	-85.9

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-VV
Test Mode:	TX High 15kHz QPSK 12@0
Test Voltage::	DC 3.8V
Remark:	Temp 23 Humi:42%
Test Standard:	FCC Part 27 and RSS-139 Issue 3 and RSS-130 Issue 2
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

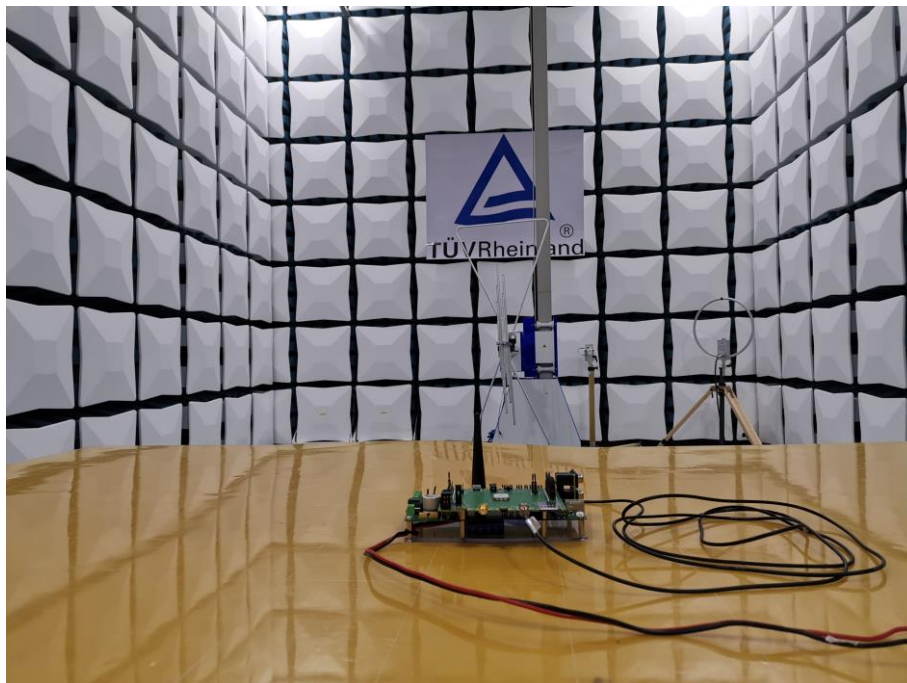
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1432.000000	-47.49	-13.00	34.49	100.0	V	93.0	-93.6
1924.000000	-48.55	-13.00	35.55	100.0	V	274.0	-89.5
2148.000000	-45.98	-13.00	32.98	100.0	V	316.0	-88.0

Appendix M: Photographs of the Test Set-Up

APPENDIX M.1: SET-UP FOR FIELD STRENGTH OF SPURIOUS RADIATION, BELOW 1 GHz 2

APPENDIX M.2: SET-UP FOR FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1 GHz 2

Appendix M.1: Set-up for Field Strength of Spurious Radiation, below 1 GHz



Appendix M.2: Set-up for Field Strength of Spurious Radiation, above 1 GHz

