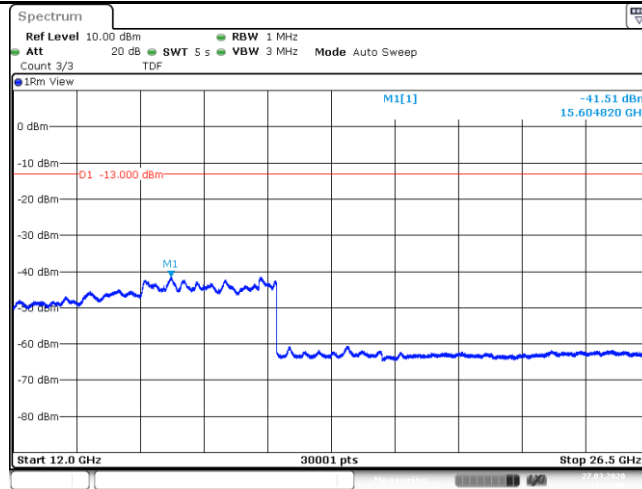
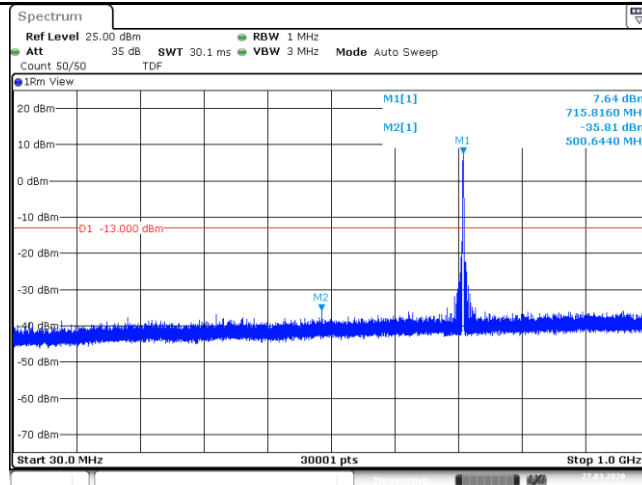


Band85_Stand-Alone_NaN_QPSK_134181_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.51dBm_-13_P ASS__



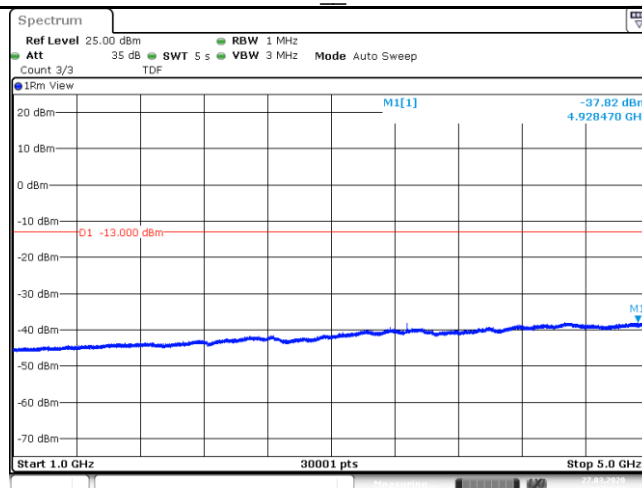
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Band85_Stand-Alone_NaN_QPSK_134181_1@47_3.75kHz_30_1000_30~1000MHz@-35.81dBm_-13_PASS__



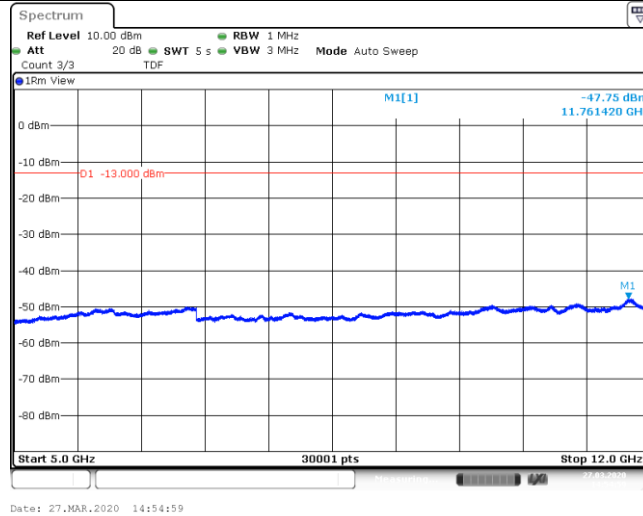
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Band85_Stand-Alone_NaN_QPSK_134181_1@47_3.75kHz_1000_5000_1000~5000MHz@-37.82dBm_-13_PASS

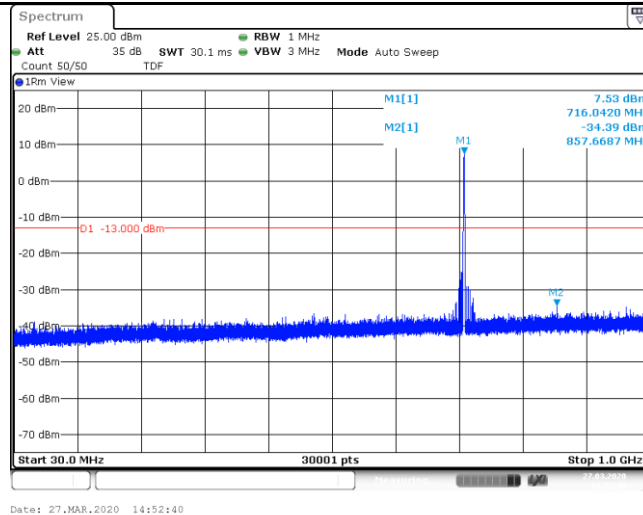


Date: 27.MAR.2020 14:54:37

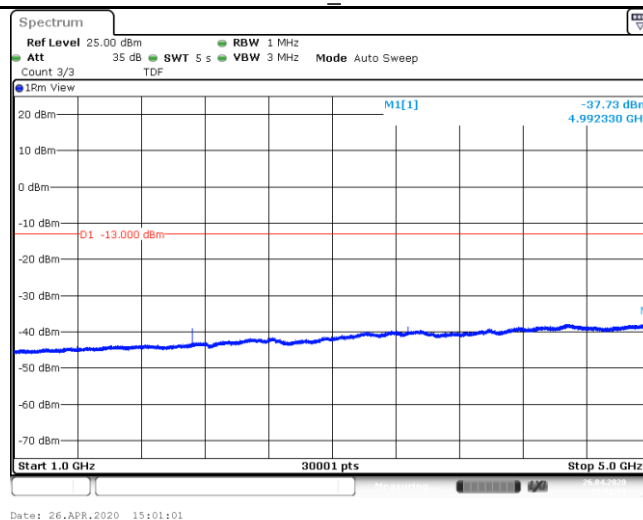
Band85_Stand-Alone_NaN_QPSK_134181_1@47_3.75kHz_5000_12000_5000~12000MHz@-47.75dBm_-13_PA SS__



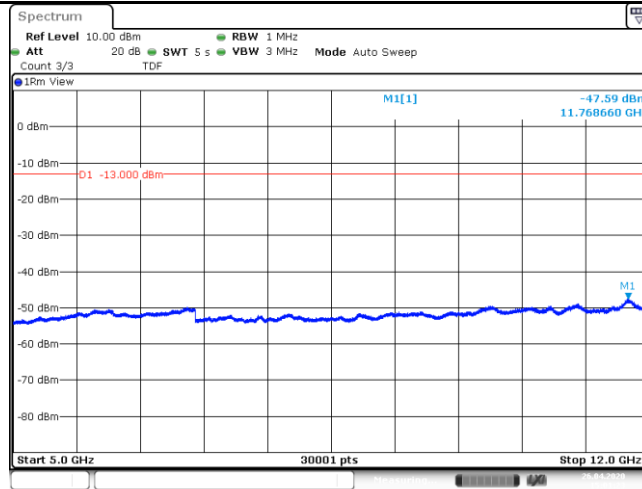
Band85_Stand-Alone_NaN_QPSK_134181_1@0_3.75kHz_30_1000_30~1000MHz@-34.39dBm_-13_PA SS__



Band85_Stand-Alone_NaN_QPSK_134092_1@0_3.75kHz_1000_5000_1000~5000MHz@-37.73dBm_-13_PASS__

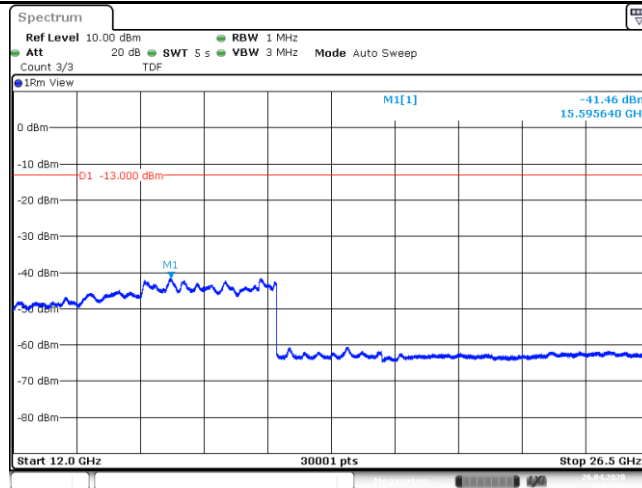


Band85_Stand-Alone_NaN_QPSK_134092_1@0_3.75kHz_5000_12000_5000~12000MHz@-47.59dBm_-13_PAS S



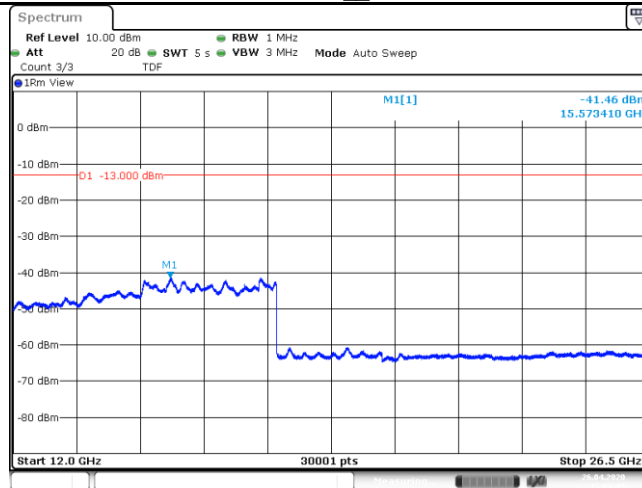
Date: 26.APR.2020 15:01:23

Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_12000_26500_12000~26500MHz@-41.46dBm_-13_PASS



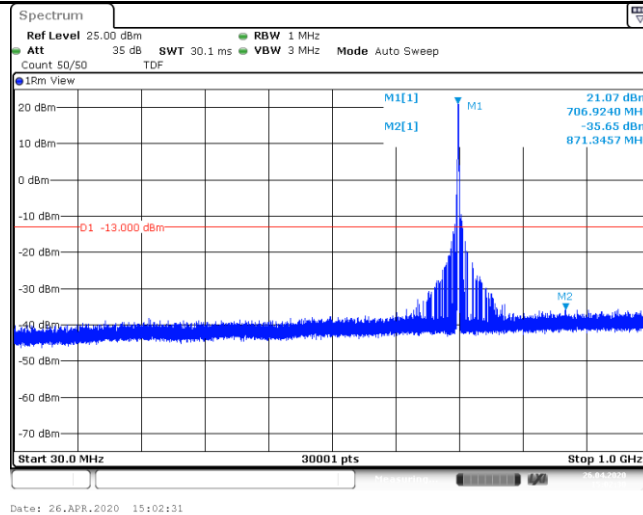
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Band85_Stand-Alone_NaN_QPSK_134092_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.46dBm_-13_PASS

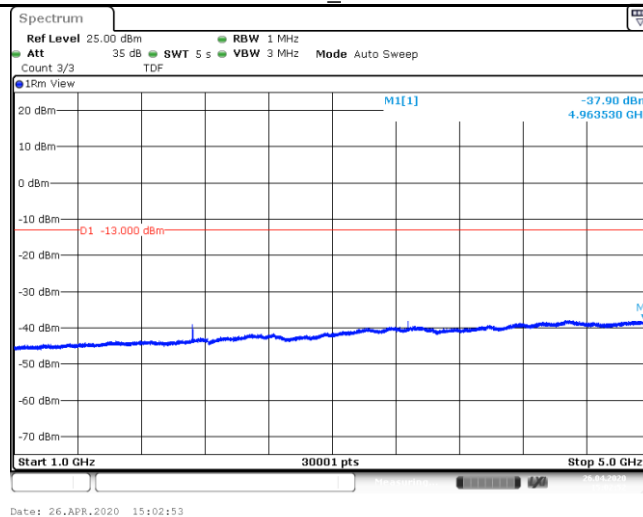


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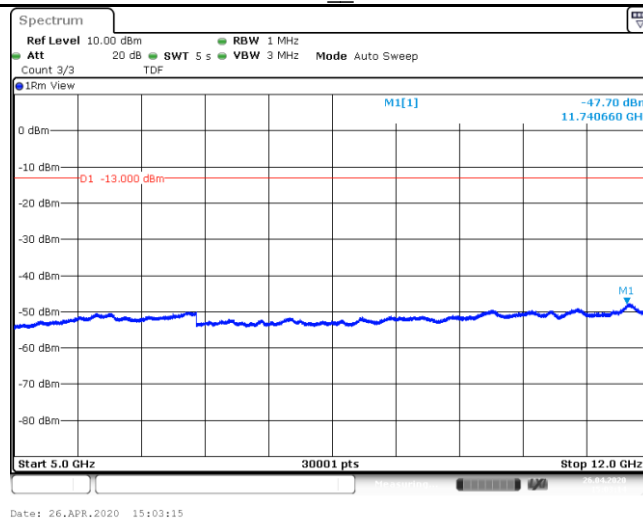
Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_30_1000_30~1000MHz@-35.65dBm_-13_PASS__

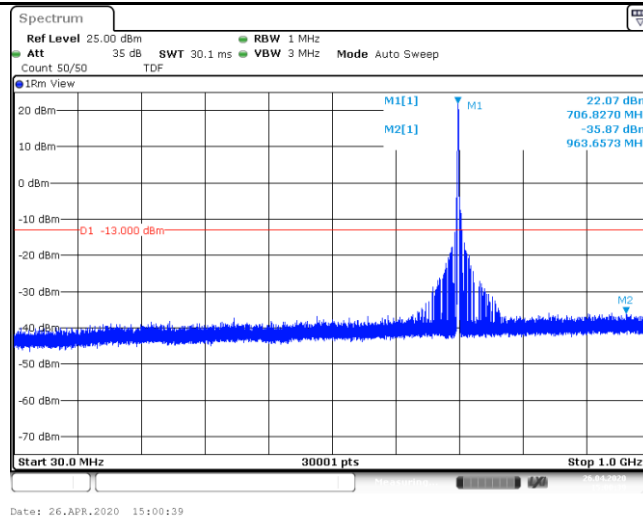
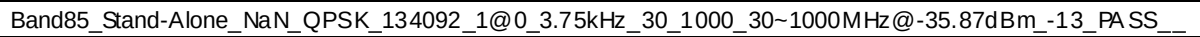


Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_1000_5000_1000~5000MHz@-37.9dBm_-13_PASS__



Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_5000_12000_5000~12000MHz@-47.7dBm_-13_PAS
S__





Date: 26.APR.2020 15:00:39

Appendix K.6: Frequency Stability for NB

Test Result

Voltage												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	HV	NT	-12.46	-0.017624	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	LV	NT	-13.07	-0.018487	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	NT	-13.69	-0.019364	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	HV	NT	-22.85	-0.032320	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	LV	NT	-12.85	-0.018175	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	NT	-13.73	-0.019420	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	HV	NT	-3.06	-0.004328	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	LV	NT	-3.03	-0.004286	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	NT	-2.69	-0.003805	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	HV	NT	-6.11	-0.008642	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	LV	NT	-6.37	-0.009010	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	NT	-9.30	-0.013154	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	-40	-10.04	-0.014201	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	-30	-17.81	-0.025191	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	-20	-13.78	-0.019491	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	-10	-12.06	-0.017058	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	0	-13.10	-0.018529	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	10	-13.89	-0.019646	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	20	-14.08	-0.019915	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	30	-13.93	-0.019703	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	40	-14.35	-0.020297	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	50	-11.96	-0.016917	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	60	-12.55	-0.017751	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	70	-12.62	-0.017850	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	-40	-15.09	-0.021344	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	85	-11.99	-0.016959	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	85	-12.77	-0.018062	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	-30	-10.46	-0.014795	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	-20	-11.36	-0.016068	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	-10	-12.39	-0.017525	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	0	-13.00	-0.018388	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	10	-11.16	-0.015785	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	20	-11.23	-0.015884	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	30	-14.00	-0.019802	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	40	-11.50	-0.016266	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	50	-11.47	-0.016223	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	60	-12.42	-0.017567	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	70	-10.04	-0.014201	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	NV	80	-12.59	-0.017808	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	NV	80	-11.40	-0.016124	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	-40	-2.66	-0.003762	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	-30	-5.05	-0.007143	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	-20	-5.41	-0.007652	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	-10	-5.14	-0.007270	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	0	-3.52	-0.004979	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	10	-5.91	-0.008359	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	20	-5.52	-0.007808	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	30	-4.26	-0.006025	±2.5	PASS

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Produkte
Products

Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	40	-3.78	-0.005347	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	50	-4.73	-0.006690	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	60	-3.36	-0.004752	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	70	-3.06	-0.004328	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	-40	-5.75	-0.008133	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	85	-3.49	-0.004936	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	85	-5.54	-0.007836	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	-30	-3.32	-0.004696	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	-20	-4.78	-0.006761	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	-10	-3.81	-0.005389	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	0	-5.82	-0.008232	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	10	-5.41	-0.007652	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	20	-4.29	-0.006068	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	30	-3.48	-0.004922	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	40	-2.88	-0.004074	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	50	-4.48	-0.006337	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	60	-3.18	-0.004498	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	70	-3.09	-0.004371	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	NV	80	-4.66	-0.006591	±2.5	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	NV	80	-3.00	-0.004243	±2.5	PASS

Appendix L: Test Results of Field Strength of Spurious Radiation for NB-IoT operation

APPENDIX L.1: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 2	2
Below 1 GHz	2
Above 1 GHz	6
APPENDIX L.2: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 4	35
Below 1 GHz	35
Above 1 GHz	39
APPENDIX L.3: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 5	69
Below 1 GHz	69
Above 1 GHz	73
APPENDIX L.4: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 12	103
Below 1 GHz	103
Above 1 GHz	107
APPENDIX L.5: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 13	137
Below 1 GHz	137
Above 1 GHz	141
APPENDIX L.6: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 25	171
Below 1 GHz	171
Above 1 GHz	175
APPENDIX L.7: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 26 LOWER BAND	205
Below 1 GHz	205
Above 1 GHz	209
APPENDIX L.8: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 26 UPPER BAND	239
Below 1 GHz	239
Above 1 GHz	243
APPENDIX L.9: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 66	273
Below 1 GHz	273
Above 1 GHz	277
APPENDIX L.10: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 71	307
Below 1 GHz	307
Above 1 GHz	311
APPENDIX L.11: FIELD STRENGTH OF SPURIOUS RADIATION FOR BAND 85	341
Below 1 GHz	341
Above 1 GHz	345

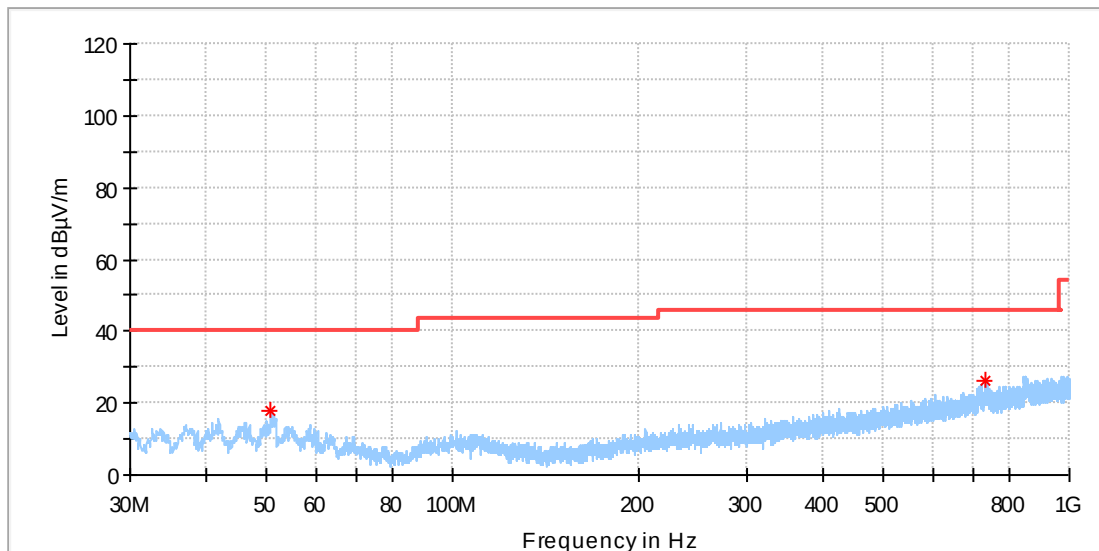
Appendix L.1: Field Strength of Spurious Radiation for Band 2

Below 1 GHz
BPSK

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz BPSK 1@0
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.806500	18.03	---	40.00	21.97	100.0	H	90.0	-18.6
728.885000	26.37	---	46.00	19.63	100.0	H	205.0	-7.9

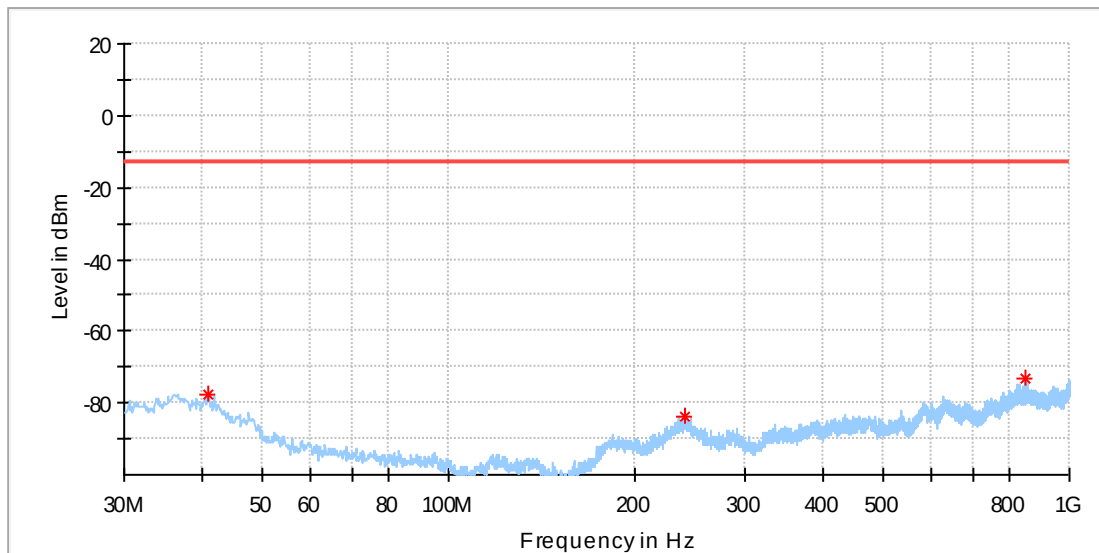
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	

QPSK

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz QPSK 1@0
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



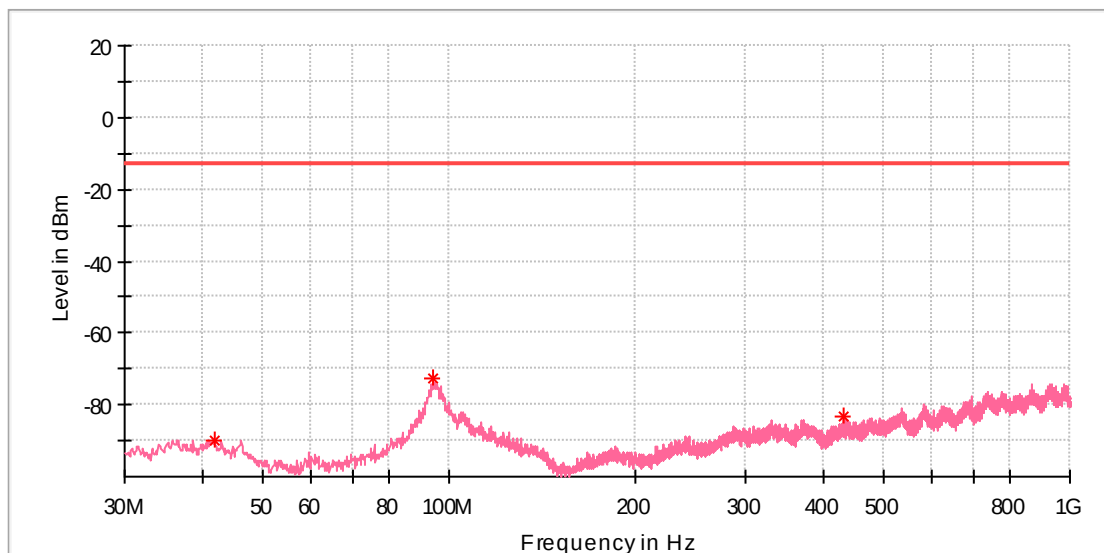
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.033750	-77.61	-13.00	64.61	100.0	H	124.0	-112.3
240.611250	-83.96	-13.00	70.97	100.0	H	187.0	-110.4
848.073750	-73.43	-13.00	60.43	100.0	H	276.0	-100.3

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz QPSK 1@0
Test Voltage::	DC 3.8V
Remark:	Temp 22 Humi:50%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
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)
41.882500	-89.68	-13.00	76.68	100.0	V	229.0	-123.2
94.141250	-72.45	-13.00	59.45	100.0	V	156.0	-99.7
430.852500	-83.21	-13.00	70.21	100.0	V	290.0	-111.0

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
100.0000	100.0000	100.0000	100.0000	100.0000	100.0000		100.0000	100.0000

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

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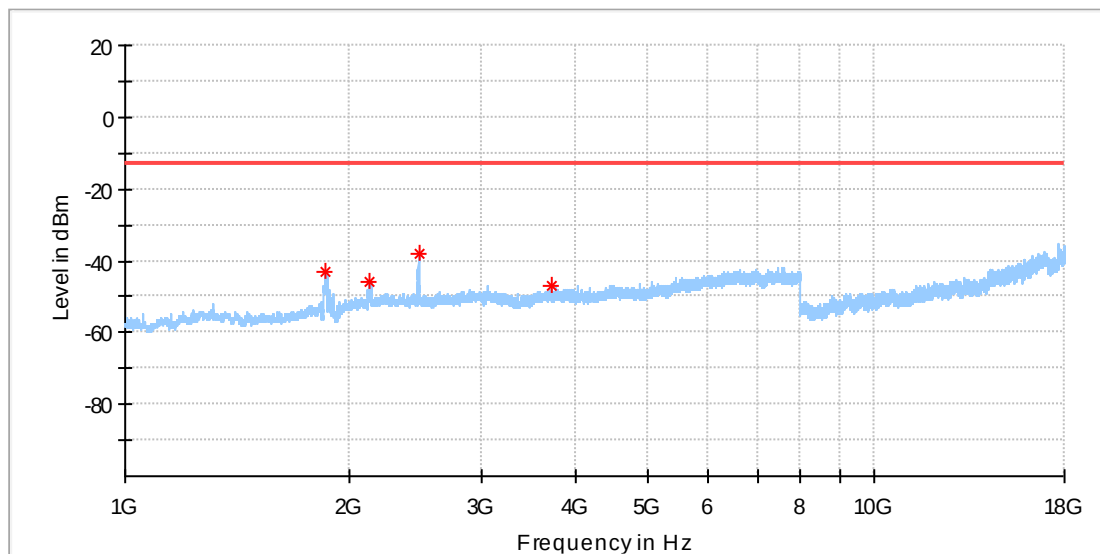
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---		---	---

15 kHz

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX Low 15kHz BPSK 1@11
Test Voltage::	DC 3.8V
Remark:	Temp 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



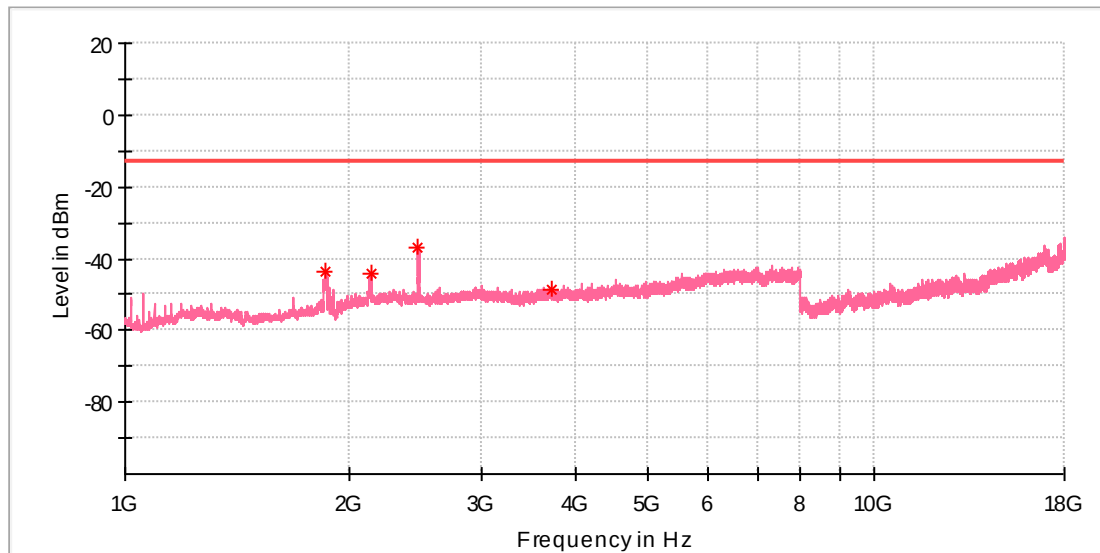
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1852.500000	-43.06	-13.00	30.06	100.0	H	0.0	-90.6
2120.500000	-45.69	-13.00	32.69	100.0	H	130.0	-88.6
2468.000000	-37.89	-13.00	24.89	100.0	H	211.0	-87.9
3710.500000	-46.87	-13.00	33.88	100.0	H	80.0	-86.8

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-VV
Test Mode:	TX Low 15kHz BPSK 1@11
Test Voltage::	DC 3.8V
Remark:	Temp 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



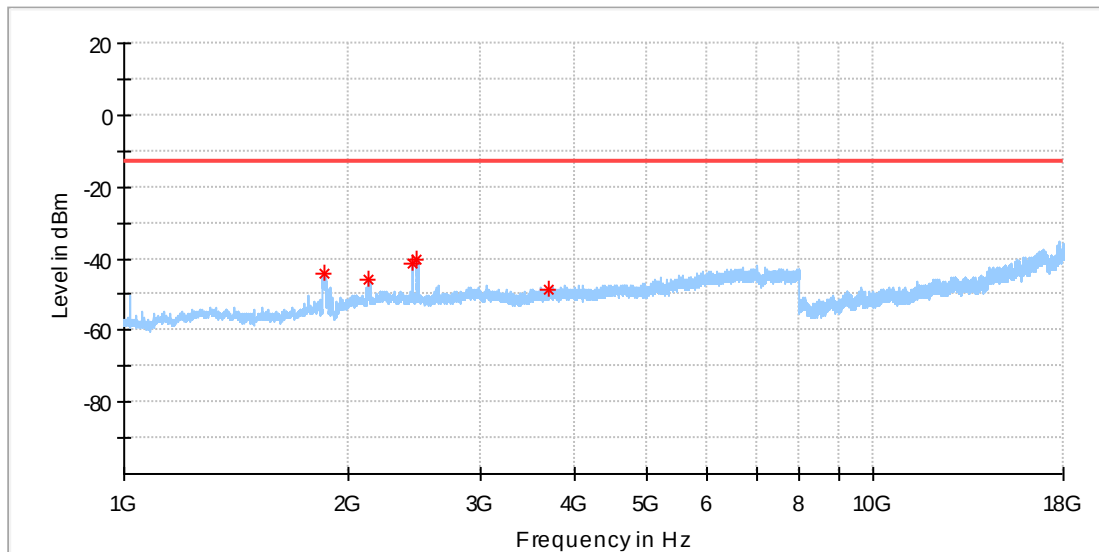
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1855.500000	-43.80	-13.00	30.80	100.0	V	186.0	-90.1
2131.500000	-44.25	-13.00	31.25	100.0	V	57.0	-87.7
2463.500000	-36.96	-13.00	23.96	100.0	V	325.0	-88.1
3708.500000	-48.77	-13.00	35.77	100.0	V	351.0	-86.7

Test Report

EUT Information

EUT Name: DATA TERMINAL MODULE
Model: ME310G1-WW
Test Mode: TX Low 15kHz BPSK 1@0
Test Voltage: DC 3.8V
Remark: Temp 24 Humi:45%
Test Standard: FCC Part 24 and RSS-133 Issue 6
Tested By: Kei Zhang
Reviewed By: Terry Yin



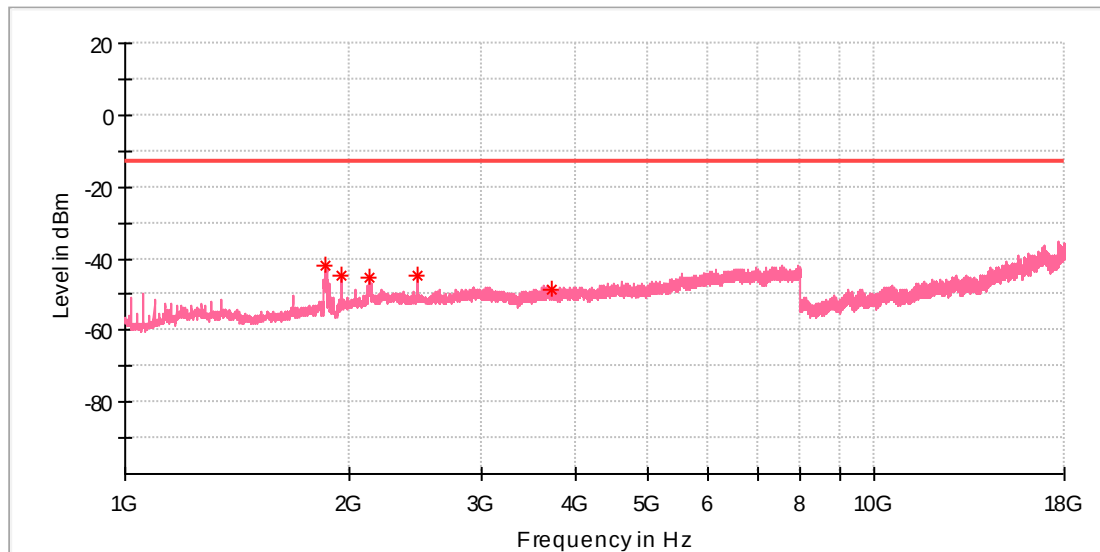
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-44.31	-13.00	31.31	100.0	H	258.0	-90.4
2120.500000	-45.66	-13.00	32.66	100.0	H	119.0	-88.6
2425.500000	-41.55	-13.00	28.55	100.0	H	224.0	-87.4
2462.000000	-40.31	-13.00	27.31	100.0	H	328.0	-87.9
3697.500000	-48.62	-13.00	35.62	100.0	H	157.0	-86.7

Test Report

EUT Information

EUT Name: DATA TERMINAL MODULE
Model: ME310G1-WW
Test Mode: TX Low 15kHz BPSK 1@0
Test Voltage: DC 3.8V
Remark: Temp 24 Humi:45%
Test Standard: FCC Part 24 and RSS-133 Issue 6
Tested By: Kei Zhang
Reviewed By: Terry Yin



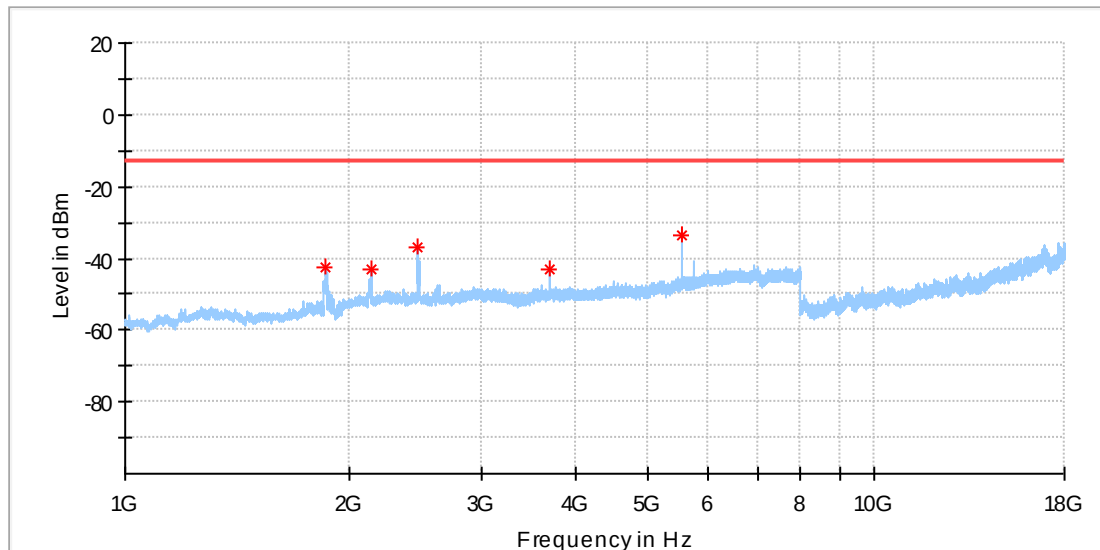
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-42.22	-13.00	29.22	100.0	V	14.0	-90.1
1943.500000	-45.02	-13.00	32.02	100.0	V	152.0	-89.6
2125.500000	-45.43	-13.00	32.43	100.0	V	112.0	-87.9
2461.000000	-44.90	-13.00	31.90	100.0	V	347.0	-88.1
3710.000000	-48.47	-13.00	35.47	100.0	V	302.0	-86.7

Test Report

EUT Information

EUT Name: DATA TERMINAL MODULE
Model: ME310G1-VW
Test Mode: TX Low 15kHz QPSK 12@0
Test Voltage:: DC 3.8V
Remark: Temp 24 Humi:45%
Test Standard: FCC Part 24 and RSS-133 Issue 6
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)
1856.500000	-42.59	-13.00	29.59	100.0	H	43.0	-90.4
2133.000000	-43.22	-13.00	30.22	100.0	H	341.0	-88.2
2461.500000	-36.75	-13.00	23.75	100.0	H	37.0	-87.9
3700.000000	-43.33	-13.00	30.33	100.0	H	177.0	-86.7
5550.500000	-33.60	-13.00	20.60	100.0	H	59.0	-83.2

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
100.0000	-100.0000	-100.0000	-100.0000	-100.0000	-100.0000		-100.0000	-100.0000

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

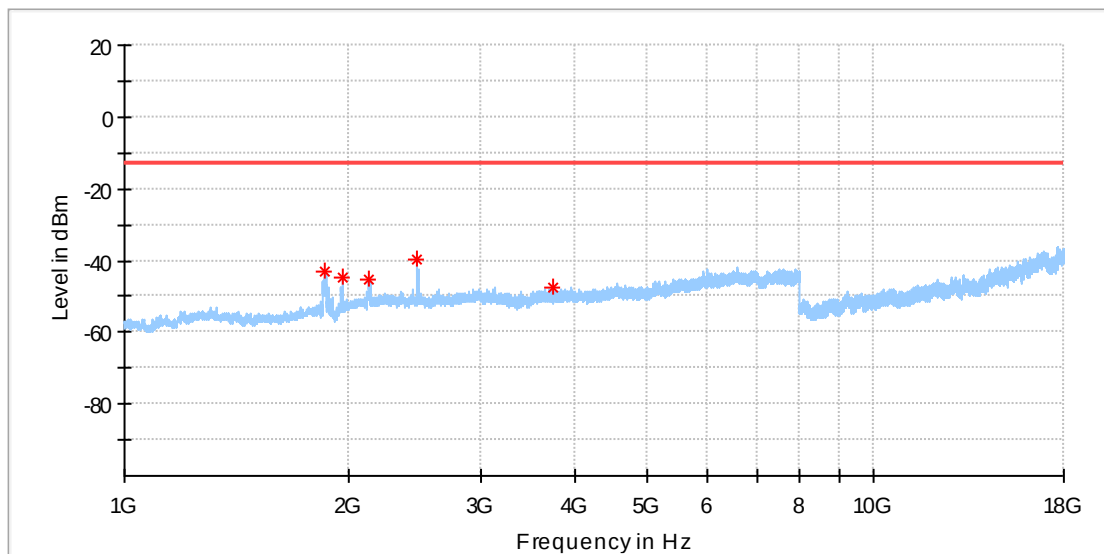
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
93.5000	-10.0000	-10.0000	-10.0000	-10.0000	100.00		0.0000	0.0000

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



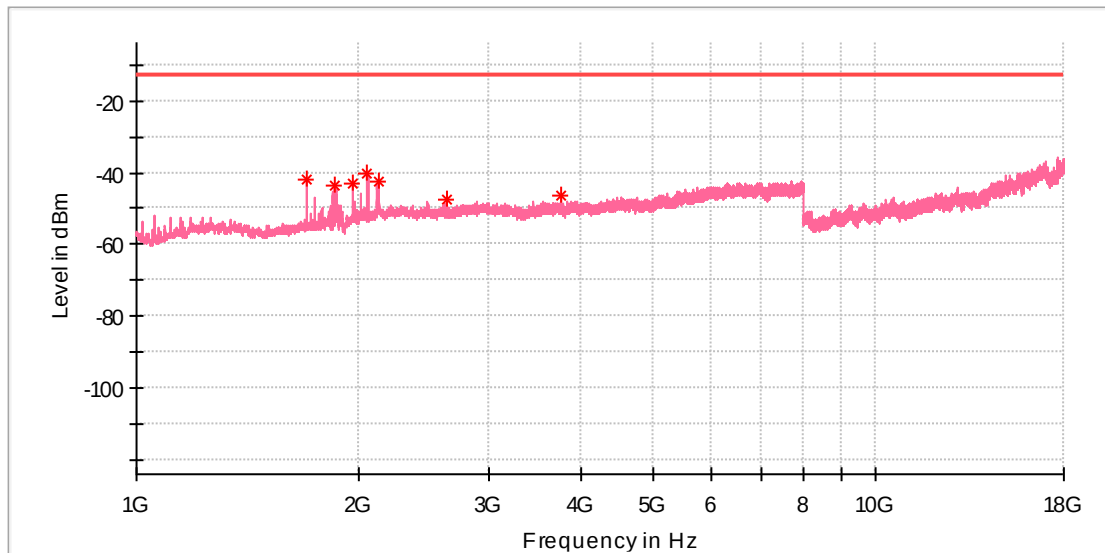
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-43.23	-13.00	30.23	100.0	H	172.0	-90.4
1958.000000	-44.97	-13.00	31.97	100.0	H	0.0	-89.7
2125.500000	-45.40	-13.00	32.40	100.0	H	107.0	-88.4
2465.500000	-39.91	-13.00	26.91	100.0	H	96.0	-87.9
3737.500000	-47.68	-13.00	34.68	100.0	H	143.0	-86.7

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



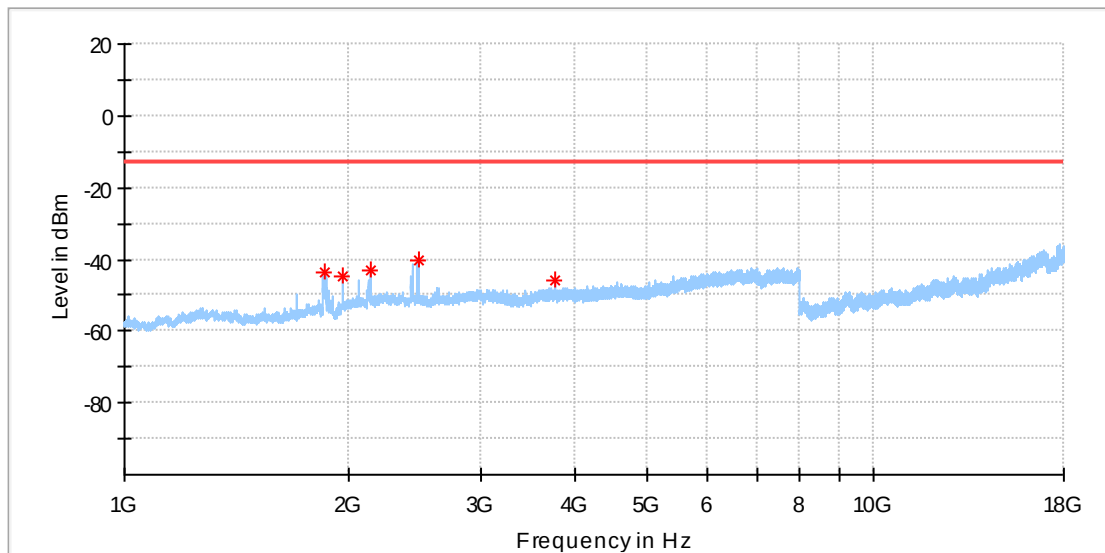
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1698.500000	-41.97	-13.00	28.97	100.0	V	218.0	-92.1
1855.500000	-43.37	-13.00	30.37	100.0	V	195.0	-90.1
1957.500000	-43.26	-13.00	30.26	100.0	V	91.0	-89.6
2056.500000	-40.05	-13.00	27.05	100.0	V	114.0	-89.0
2131.500000	-42.77	-13.00	29.77	100.0	V	24.0	-87.7
2630.500000	-47.49	-13.00	34.49	100.0	V	102.0	-88.5
3755.500000	-46.20	-13.00	33.20	100.0	V	17.0	-86.9

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



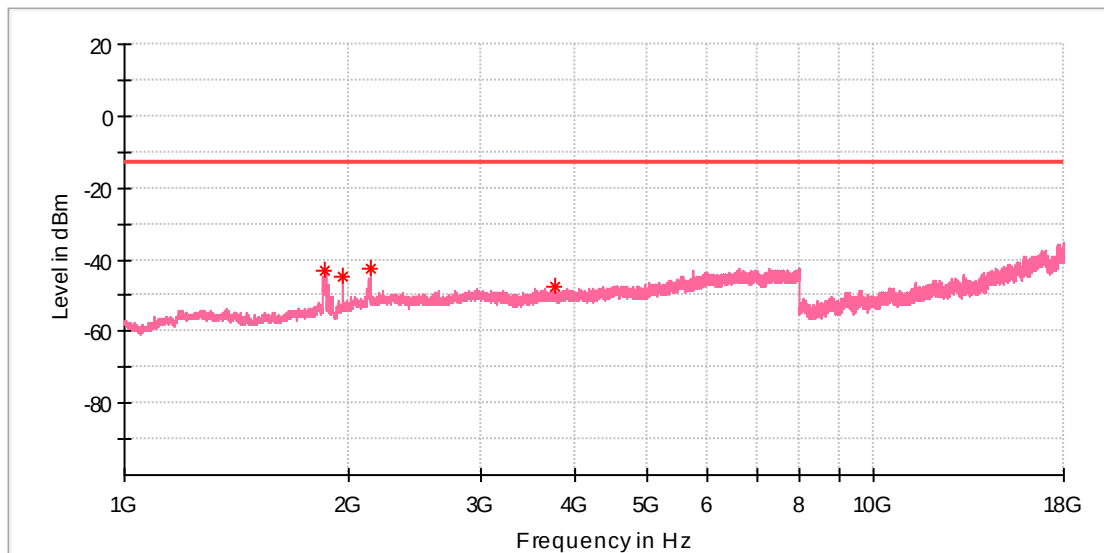
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.000000	-43.60	-13.00	30.60	100.0	H	342.0	-90.4
1957.500000	-44.75	-13.00	31.75	100.0	H	210.0	-89.7
2134.000000	-43.19	-13.00	30.19	100.0	H	163.0	-88.3
2468.500000	-40.07	-13.00	27.07	100.0	H	250.0	-87.9
3755.500000	-45.79	-13.00	32.79	100.0	H	127.0	-86.6

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



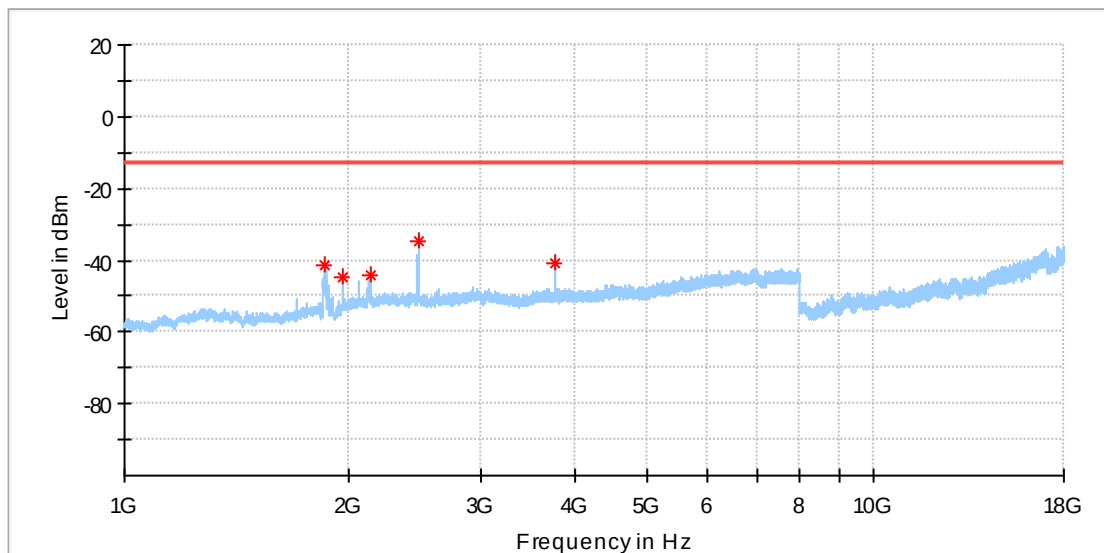
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-42.82	-13.00	29.82	100.0	V	101.0	-90.1
1958.000000	-44.95	-13.00	31.95	100.0	V	356.0	-89.6
2134.500000	-42.48	-13.00	29.48	100.0	V	233.0	-87.7
3755.500000	-47.71	-13.00	34.71	100.0	V	329.0	-86.9

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
TestMode:	TX Mid 15kHz BPSK 1@0
TestVoltage::	DC 3.8V
Remark:	Temp 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



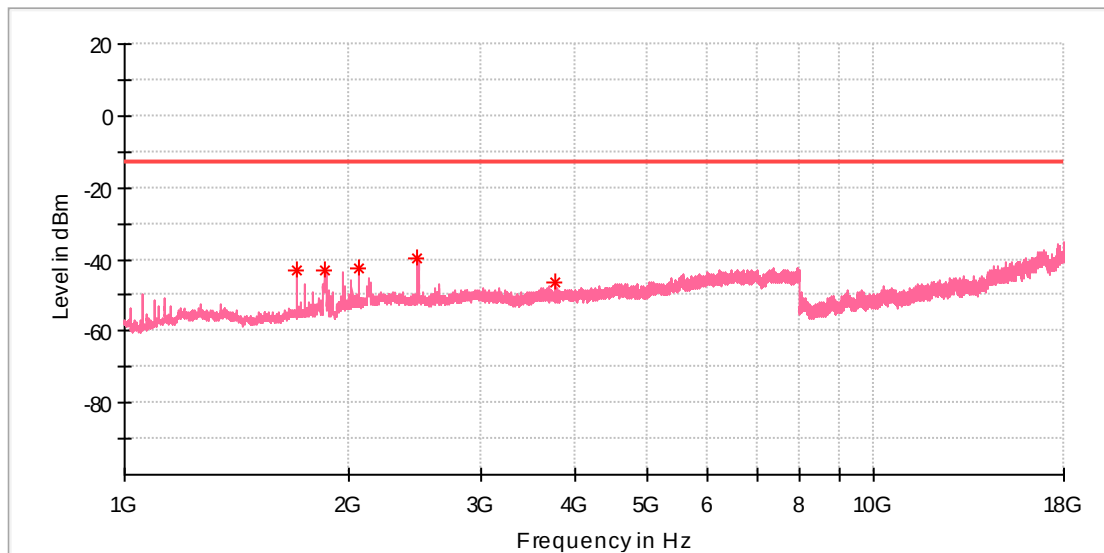
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-41.30	-13.00	28.30	100.0	H	245.0	-90.4
1958.000000	-44.77	-13.00	31.77	100.0	H	251.0	-89.7
2134.000000	-44.01	-13.00	31.01	100.0	H	320.0	-88.3
2468.000000	-34.65	-13.00	21.65	100.0	H	124.0	-87.9
3755.000000	-40.90	-13.00	27.90	100.0	H	316.0	-86.6

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
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)
1698.500000	-42.99	-13.00	29.99	100.0	V	295.0	-92.1
1852.000000	-42.80	-13.00	29.80	100.0	V	341.0	-90.2
2056.500000	-42.63	-13.00	29.63	100.0	V	196.0	-89.0
2465.500000	-39.69	-13.00	26.69	100.0	V	4.0	-88.1
3754.500000	-46.67	-13.00	33.67	100.0	V	50.0	-86.9

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
100.0000	100.0000	100.0000	100.0000	100.0000	100.0000		100.0000	100.0000

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
93.5000	93.5000	93.5000	93.5000	93.5000	93.5000		93.5000	93.5000

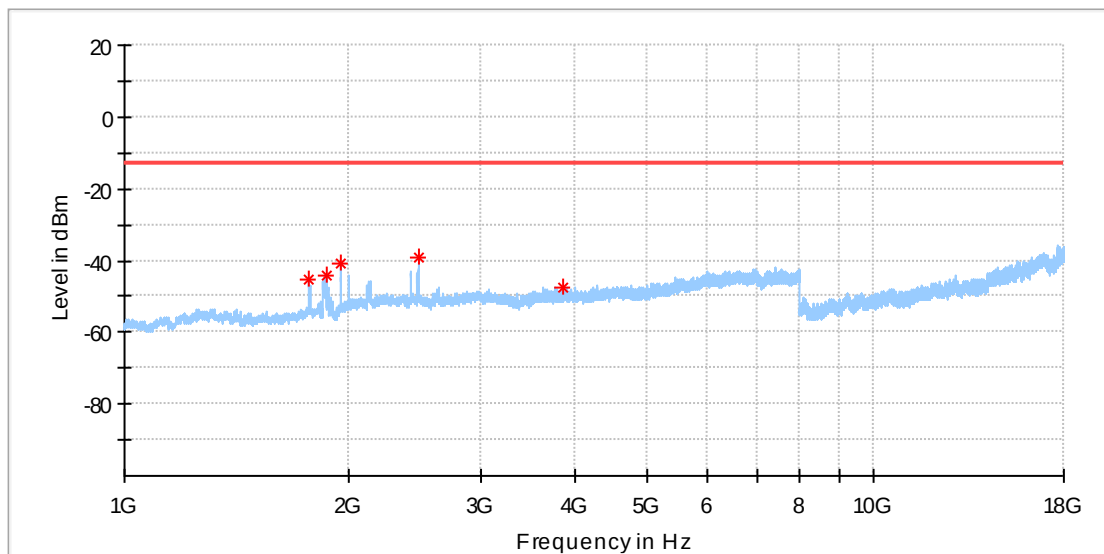
Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
100.000	100.000	100.000	100.000	100.000	100.000		100.000	100.000

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



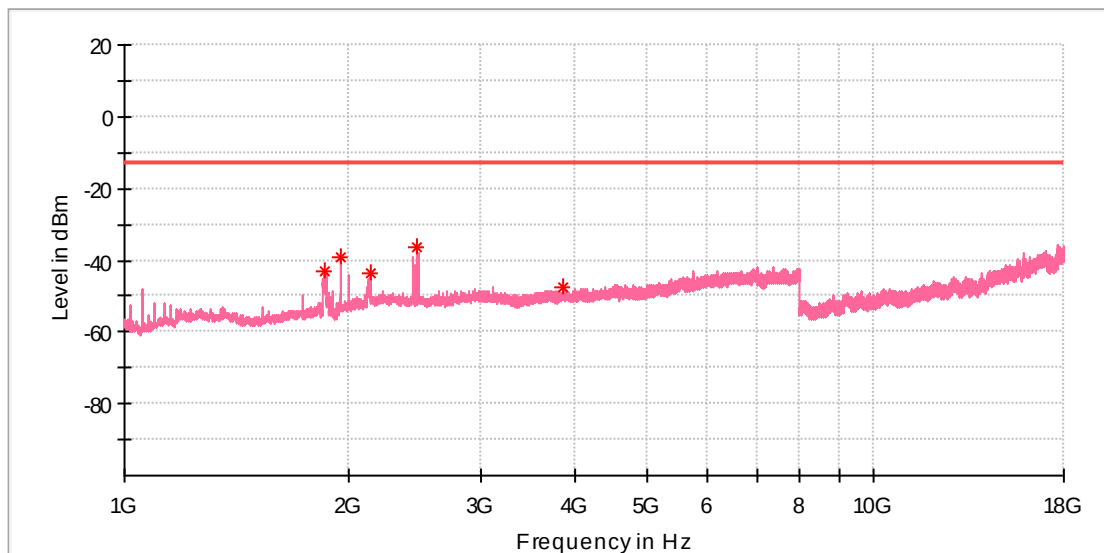
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1767.000000	-45.31	-13.00	32.31	100.0	H	231.0	-90.5
1861.000000	-43.99	-13.00	30.99	100.0	H	46.0	-90.2
1943.500000	-40.99	-13.00	27.99	100.0	H	356.0	-89.9
2468.000000	-39.40	-13.00	26.40	100.0	H	7.0	-87.9
3864.000000	-47.50	-13.00	34.50	100.0	H	193.0	-86.5

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



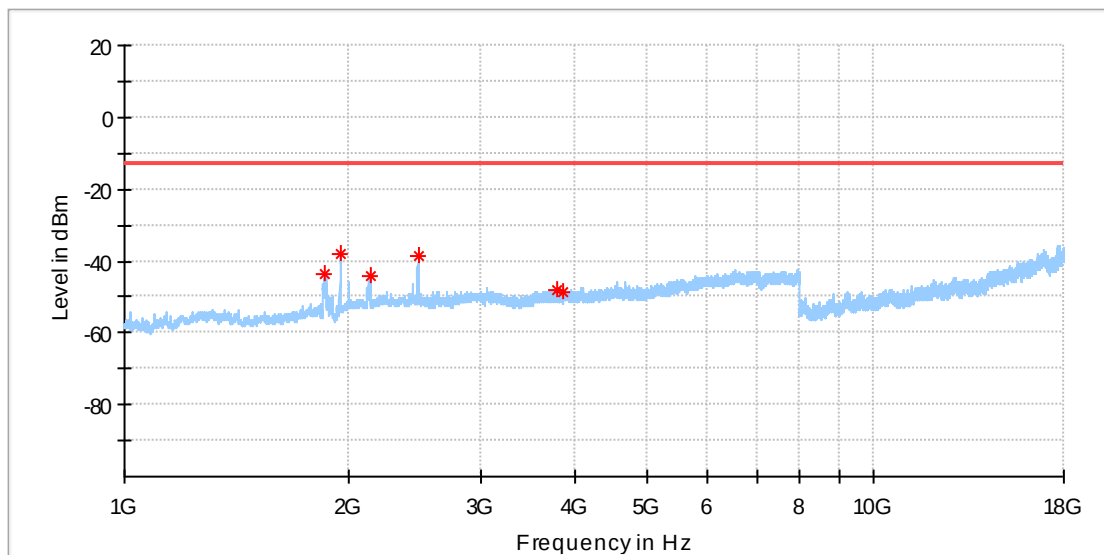
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1848.500000	-42.92	-13.00	29.92	100.0	V	71.0	-90.2
1943.000000	-39.37	-13.00	26.37	100.0	V	0.0	-89.6
2134.000000	-43.70	-13.00	30.70	100.0	V	19.0	-87.7
2461.500000	-36.36	-13.00	23.36	100.0	V	318.0	-88.1
3847.500000	-47.32	-13.00	34.32	100.0	V	135.0	-86.7

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



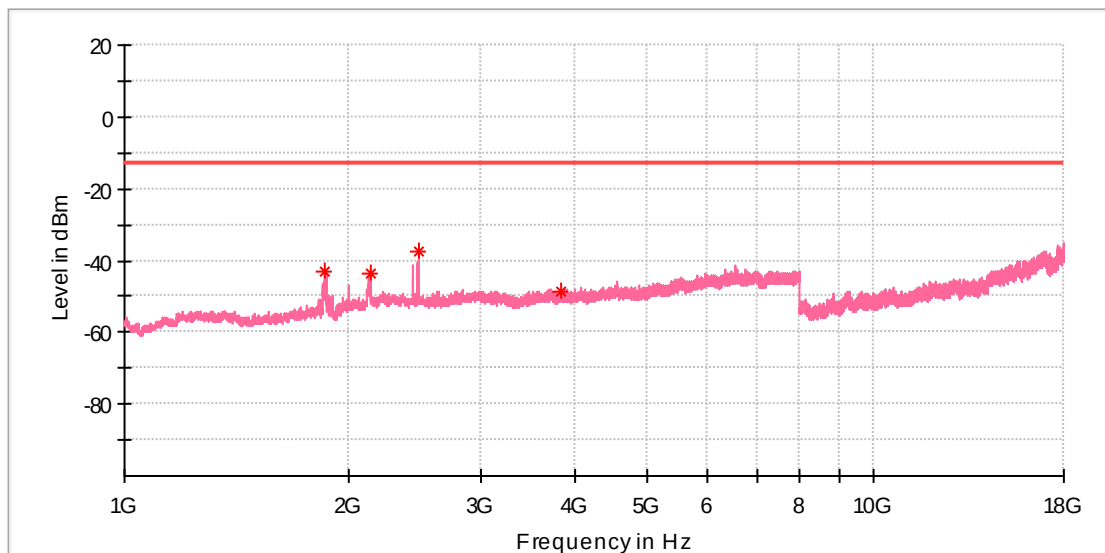
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-43.76	-13.00	30.76	100.0	H	0.0	-90.4
1941.500000	-38.31	-13.00	25.31	100.0	H	260.0	-89.9
2133.500000	-43.94	-13.00	30.94	100.0	H	127.0	-88.3
2468.500000	-38.74	-13.00	25.74	100.0	H	278.0	-87.9
3783.000000	-47.84	-13.00	34.84	100.0	H	343.0	-86.6
3849.500000	-48.39	-13.00	35.39	100.0	H	58.0	-86.7

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



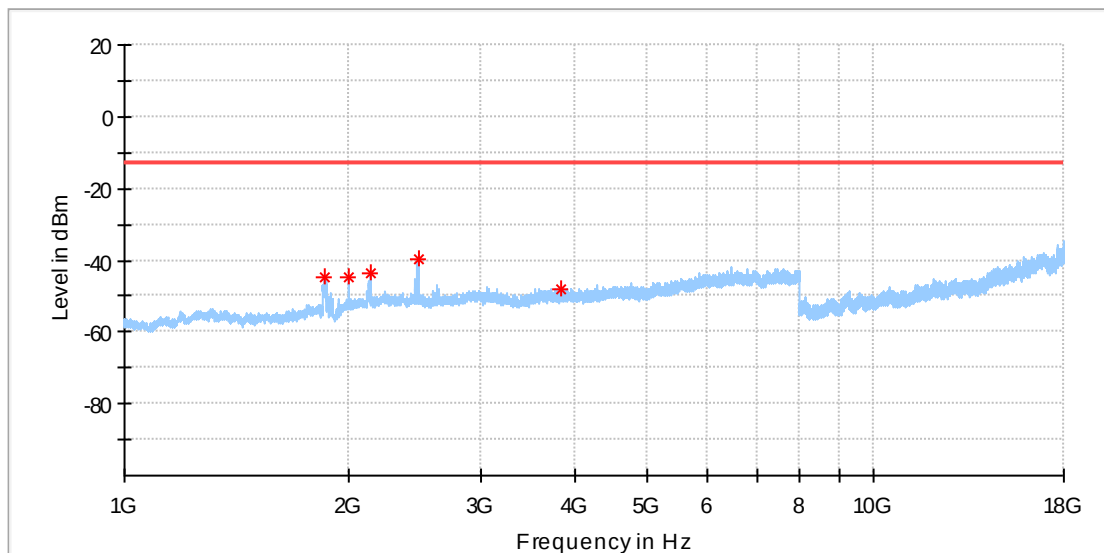
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1857.500000	-43.01	-13.00	30.01	100.0	V	352.0	-90.1
2132.000000	-43.79	-13.00	30.79	100.0	V	103.0	-87.7
2468.500000	-37.46	-13.00	24.46	100.0	V	6.0	-88.1
3821.500000	-48.89	-13.00	35.89	100.0	V	239.0	-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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



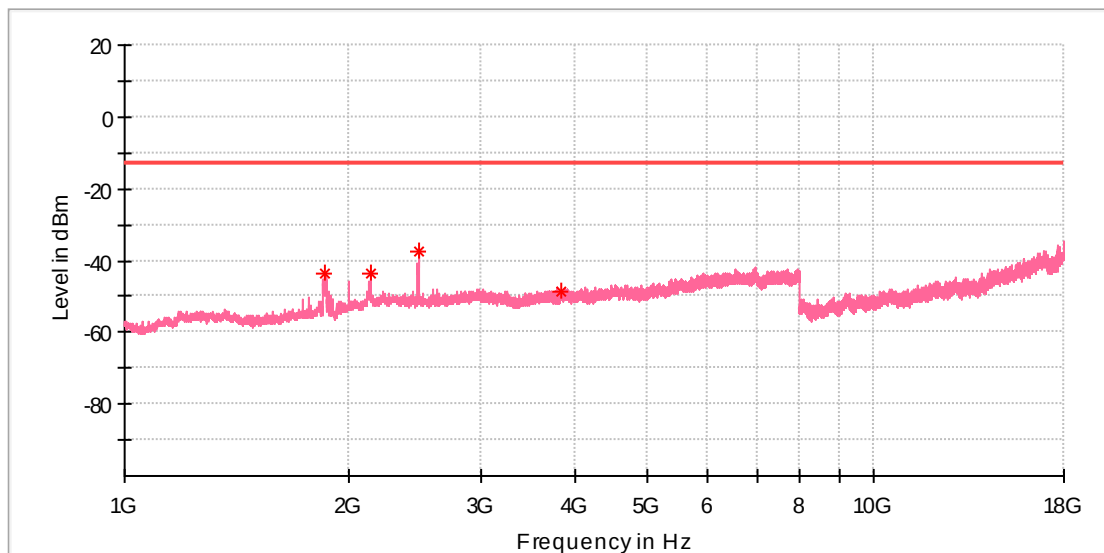
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1849.000000	-44.61	-13.00	31.61	100.0	H	207.0	-90.5
1989.500000	-44.73	-13.00	31.73	100.0	H	236.0	-89.3
2134.000000	-43.49	-13.00	30.49	100.0	H	271.0	-88.3
2468.500000	-39.63	-13.00	26.63	100.0	H	133.0	-87.9
3824.000000	-48.09	-13.00	35.09	100.0	H	239.0	-86.8

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 24 Humi:45%
Test Standard:	FCC Part 24 and RSS-133 Issue 6
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)
1857.500000	-43.65	-13.00	30.65	100.0	V	357.0	-90.1
2134.000000	-43.81	-13.00	30.81	100.0	V	124.0	-87.7
2468.500000	-37.63	-13.00	24.63	100.0	V	334.0	-88.1
3831.500000	-48.52	-13.00	35.52	100.0	V	31.0	-86.9

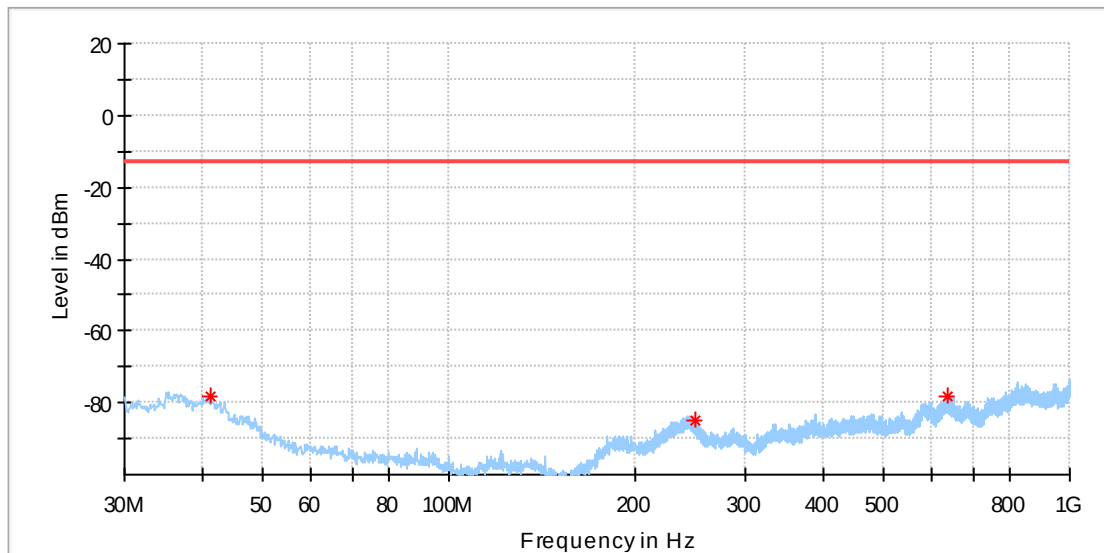
Appendix L.2: Field Strength of Spurious Radiation for Band 4

Below 1 GHz
 BPSK

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz BPSK 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



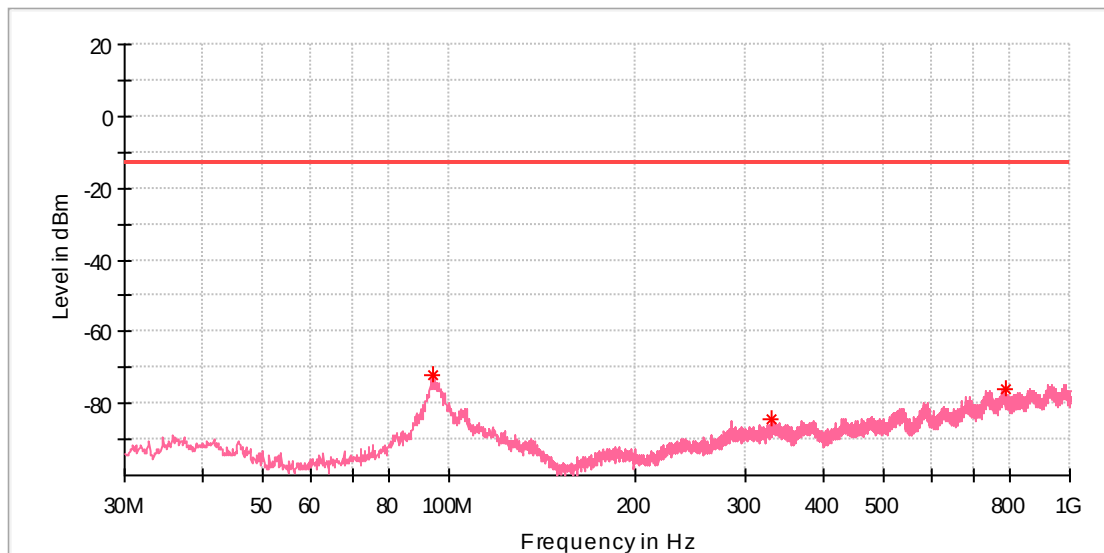
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
41.155000	-78.32	-13.00	65.32	100.0	H	221.0	-112.2
249.341250	-84.70	-13.00	71.70	100.0	H	49.0	-110.0
633.703750	-77.99	-13.00	64.99	100.0	H	176.0	-104.9

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz BPSK 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

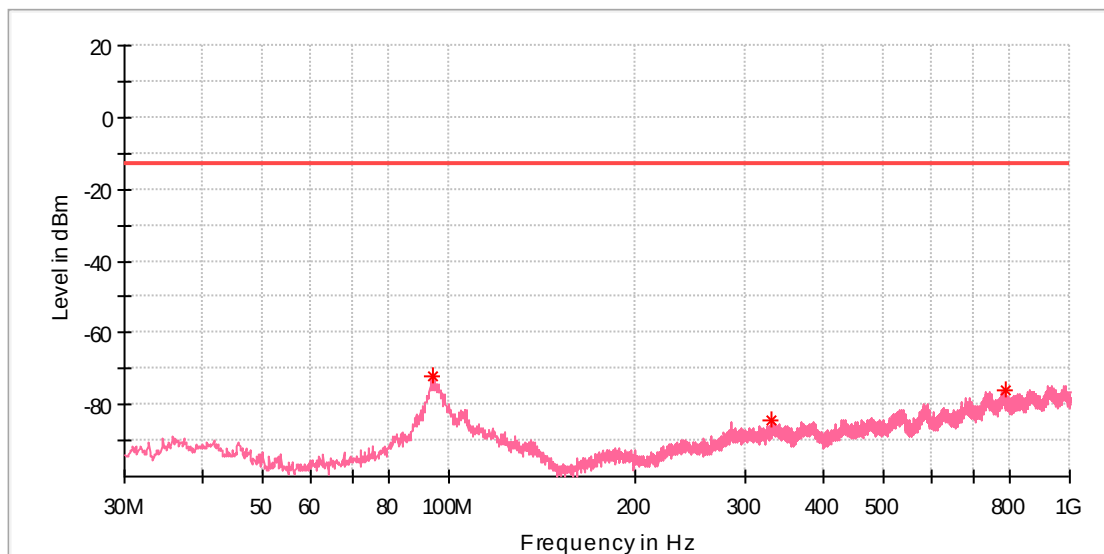
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.505000	-72.23	-13.00	59.23	100.0	V	308.0	-99.6
330.942500	-84.22	-13.00	71.22	100.0	V	0.0	-112.1
787.327500	-76.18	-13.00	63.18	100.0	V	151.0	-102.6

QPSK

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz BPSK 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



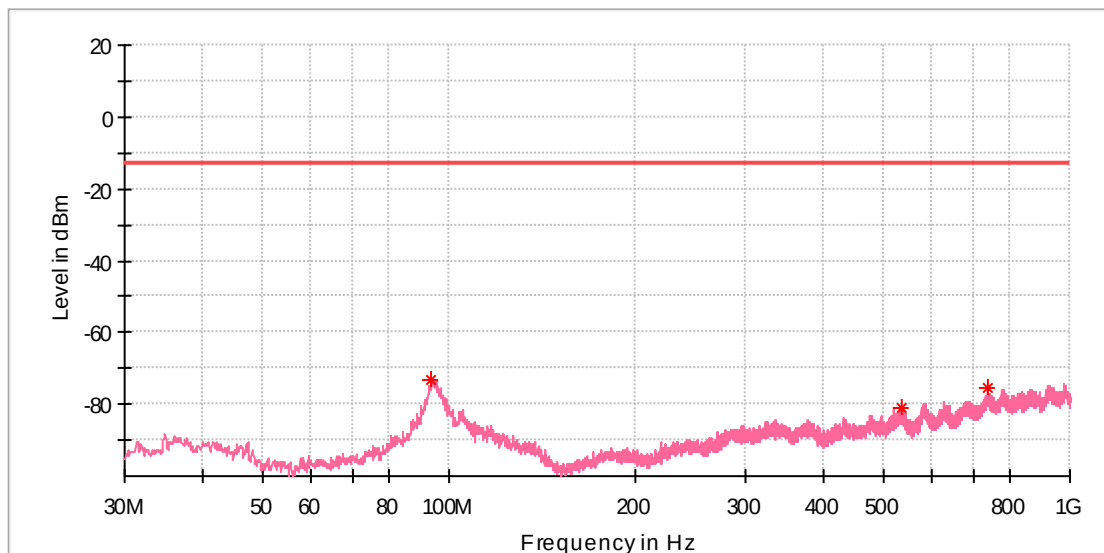
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
94.505000	-72.23	-13.00	59.23	100.0	V	308.0	-99.6
330.942500	-84.22	-13.00	71.22	100.0	V	0.0	-112.1
787.327500	-76.18	-13.00	63.18	100.0	V	151.0	-102.6

Test Report

EUT Information

EUT Name:	DATA TERMINAL MODULE
Model:	ME310G1-WW
Test Mode:	TX 15kHz 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)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
93.535000	-73.36	-13.00	60.36	100.0	V	166.0	-100.8
534.278750	-81.27	-13.00	68.27	100.0	V	175.0	-107.6
739.918750	-75.34	-13.00	62.34	100.0	V	76.0	-102.0