

Appendix B: Test Results of FHSS

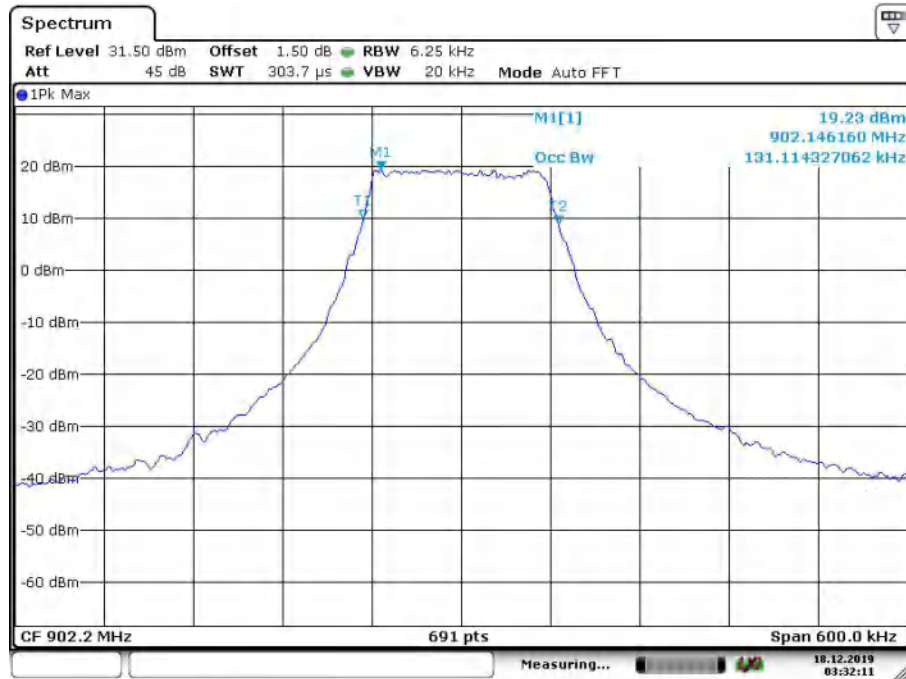
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Appendix B.1: Test Results of 99% Bandwidth

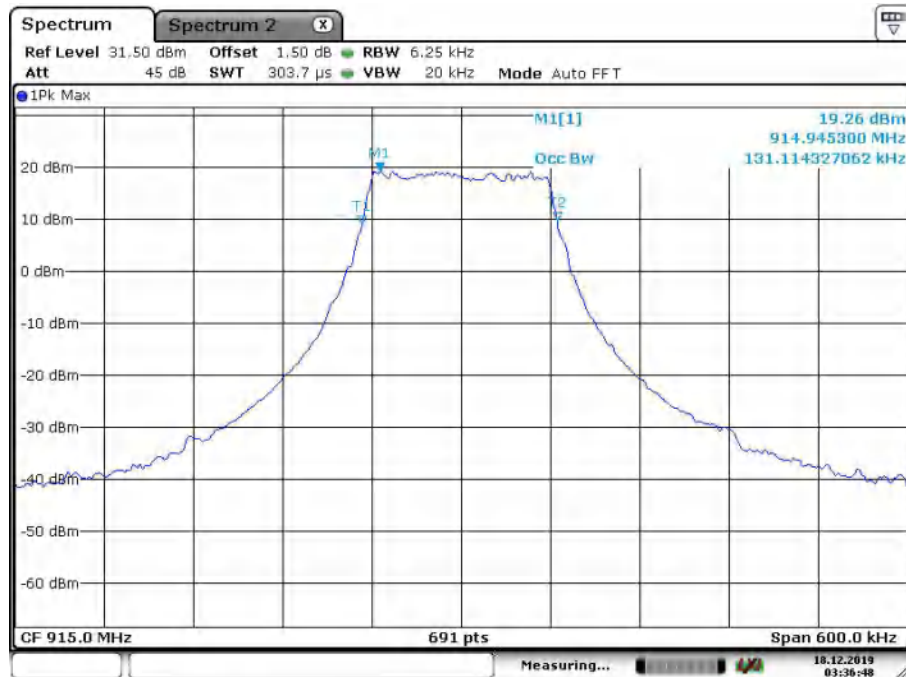
FHSs#2 (Bandwidth: 125KHz)

Low Channel



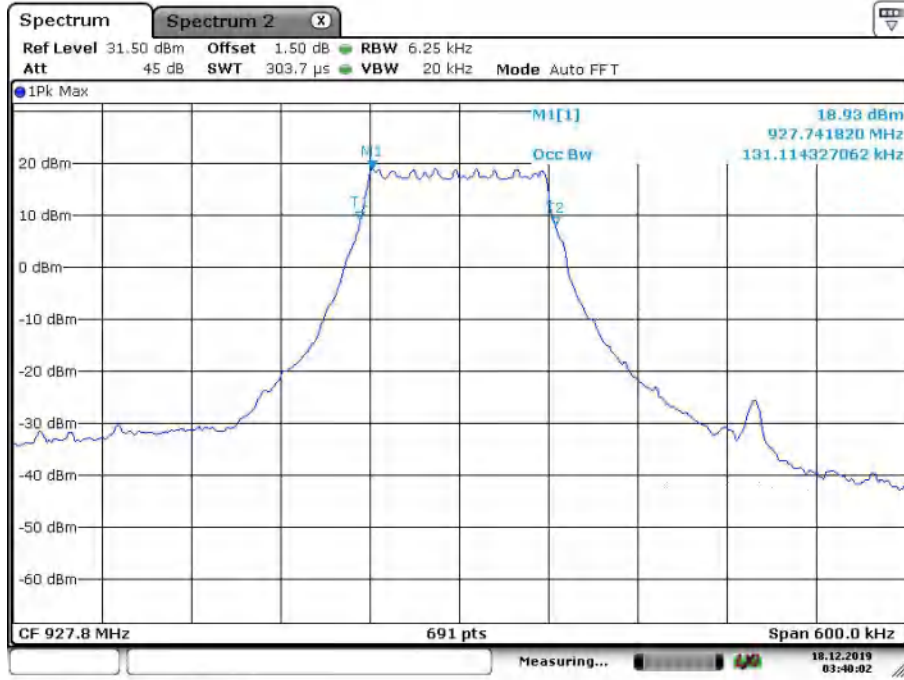
Date: 18.DEC.2019 03:32:11

Middle Channel



Date: 18.DEC.2019 03:36:48

High Channel



Date: 18.DEC.2019 03:40:02

FHSs#6 (DataRate: 250Kbps)

Low Channel



Date: 19.DEC.2019 04:33:06

Middle Channel



Date: 19.DEC.2019 04:32:38

High Channel

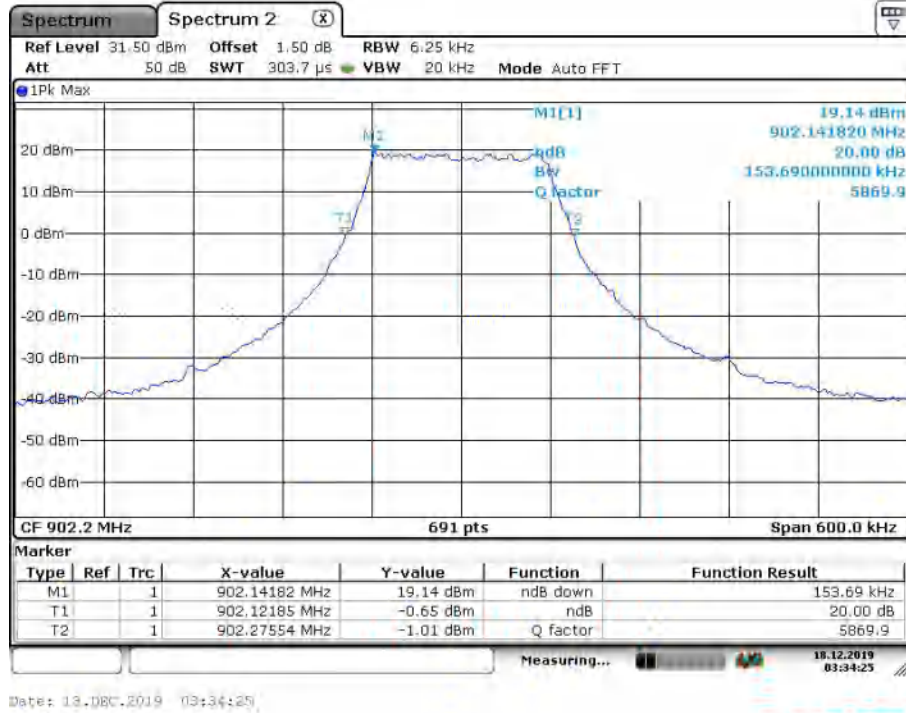


Date: 19.DEC.2019 04:31:16

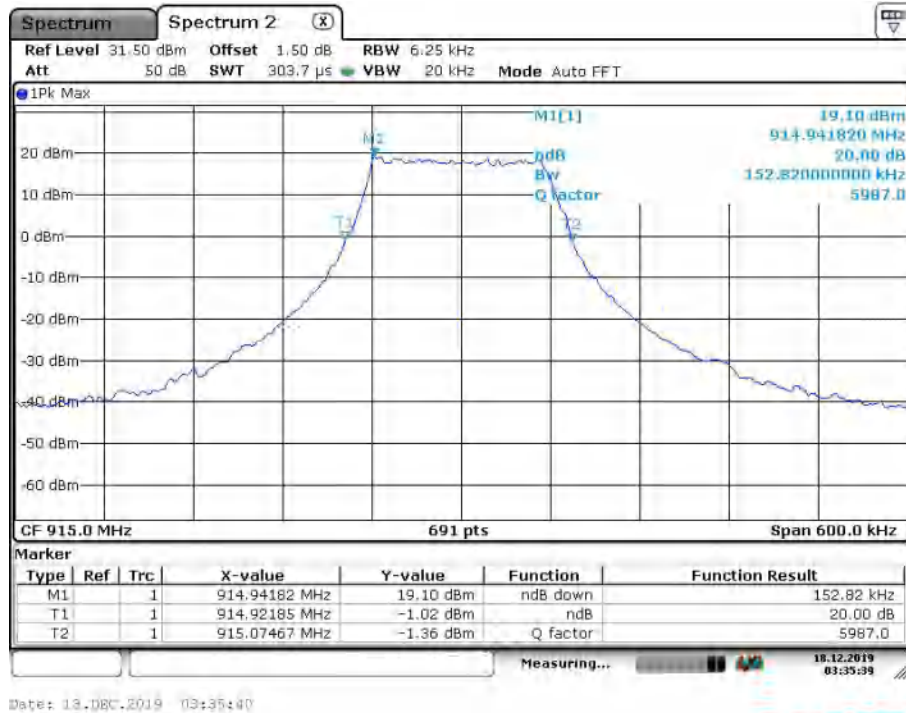
Appendix B.2: Test Results of 20dB Bandwidth

FHSs#2 (Bandwidth: 125KHz)

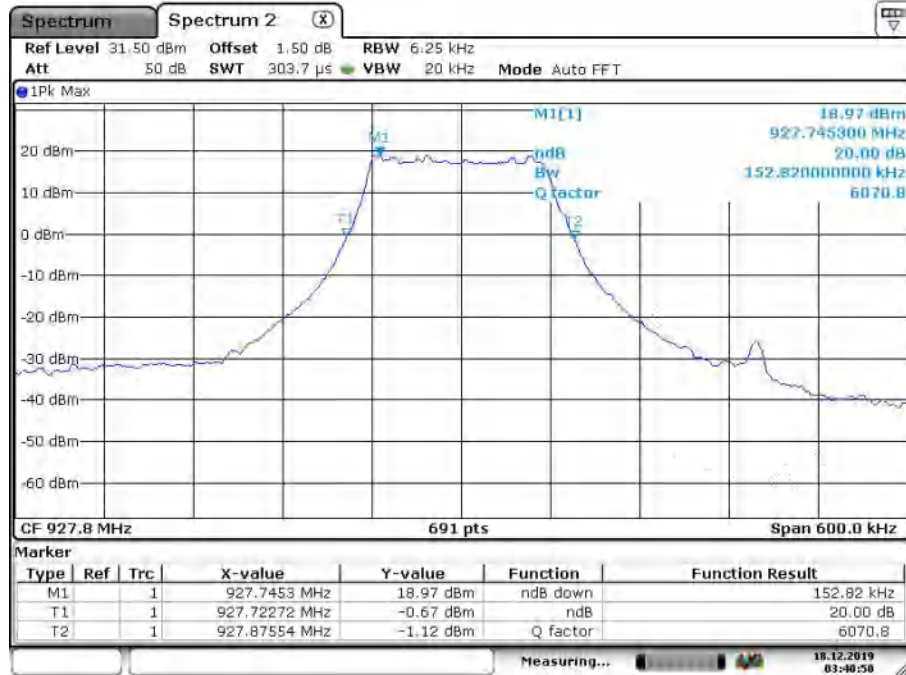
Low Channel



Middle Channel



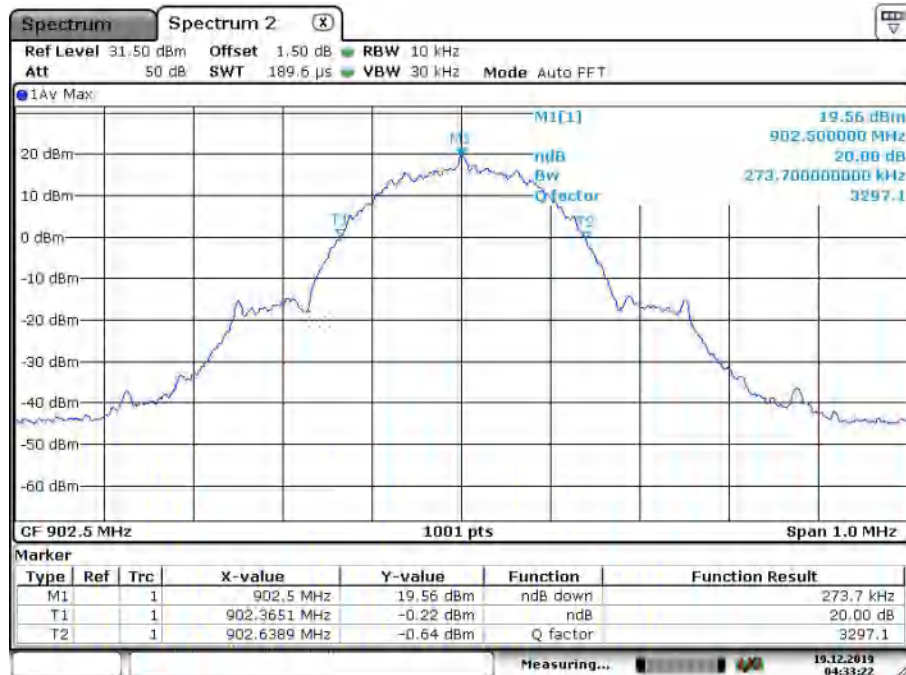
High Channel



Date: 18. DEC. 2019 03:40:58

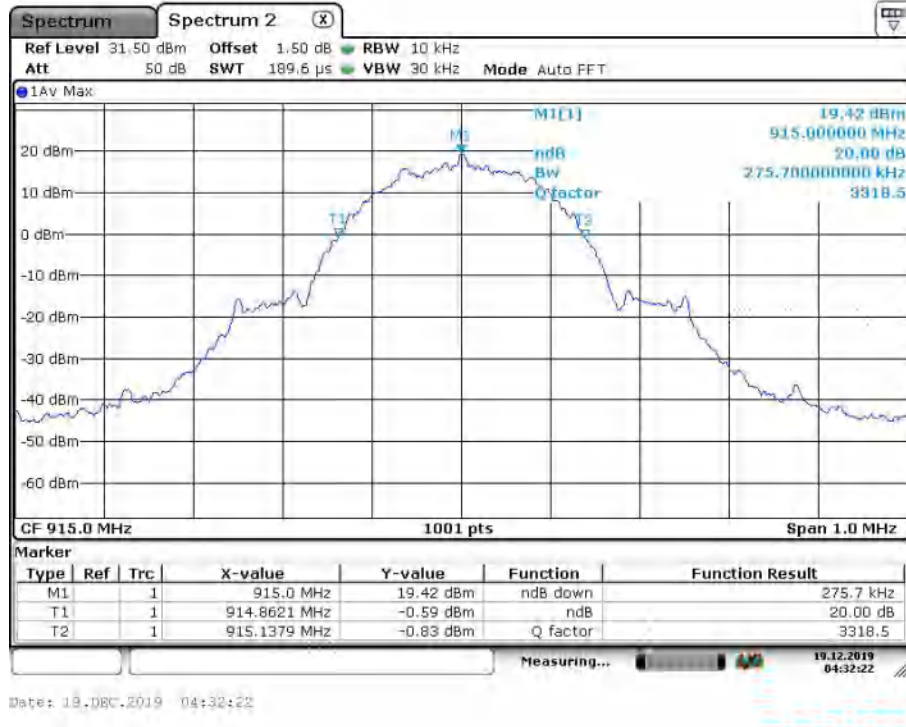
FHSs#6 (DataRate: 250Kbps)

Low Channel

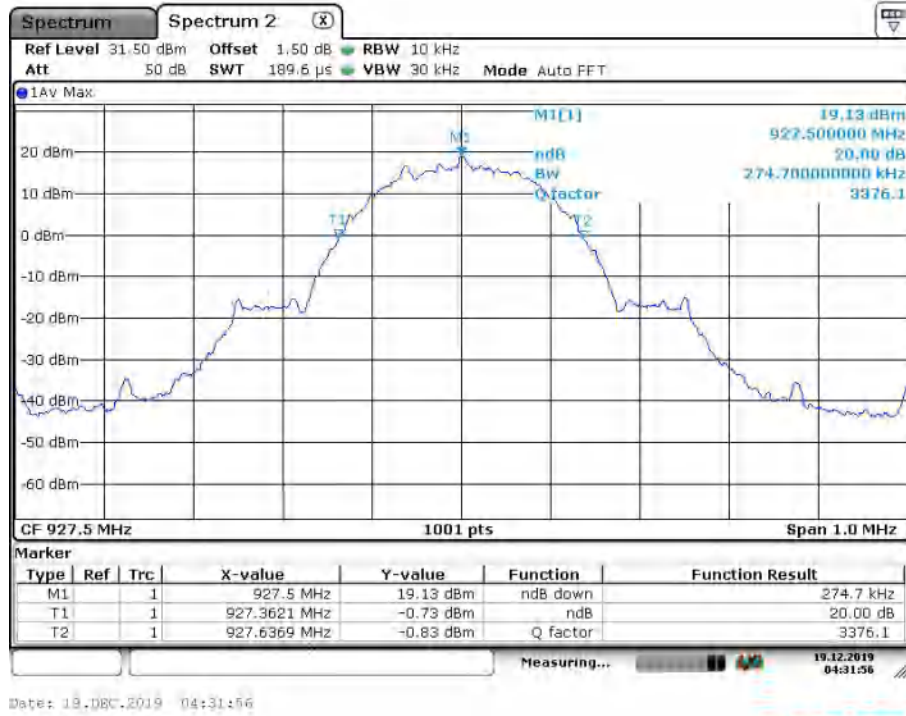


Date: 19. DEC. 2019 04:33:22

Middle Channel



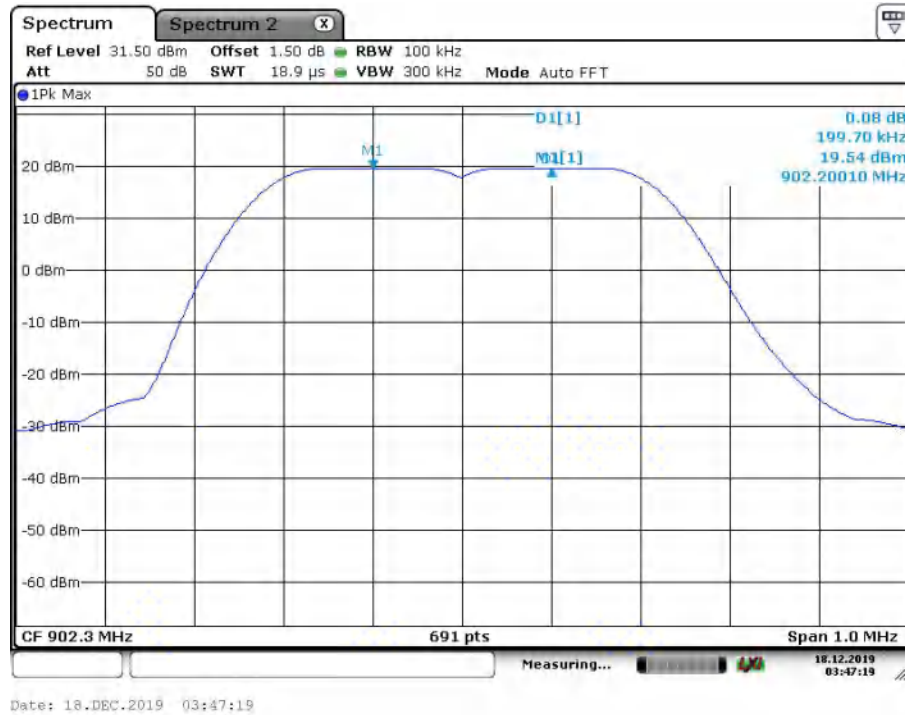
High Channel



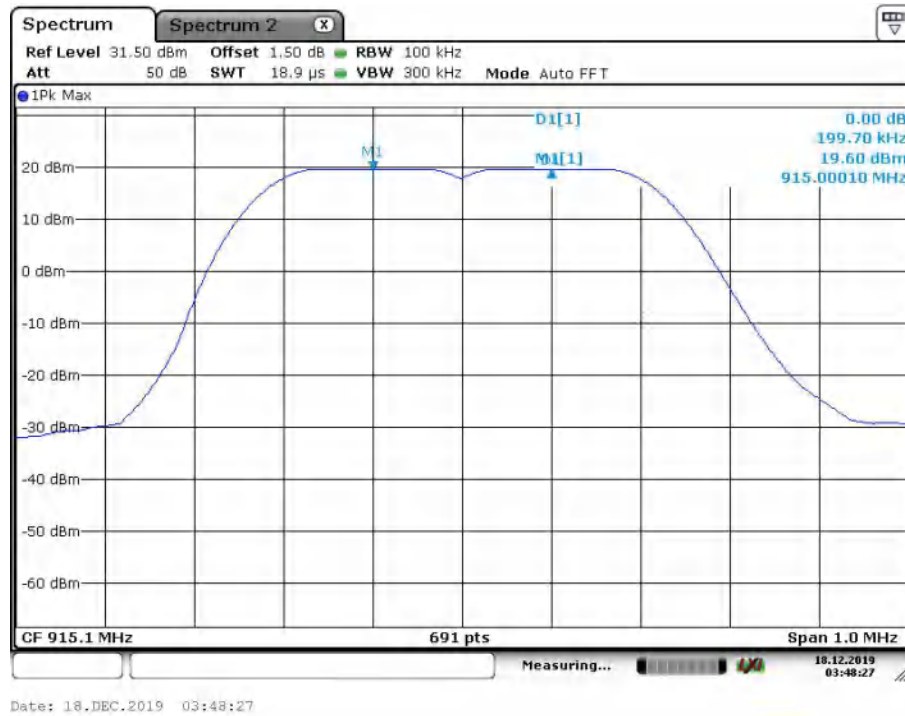
Appendix B.3: Test Results of Carrier Frequency Separation

FHSs#2 (Bandwidth: 125KHz)

Low Channel



Middle Channel

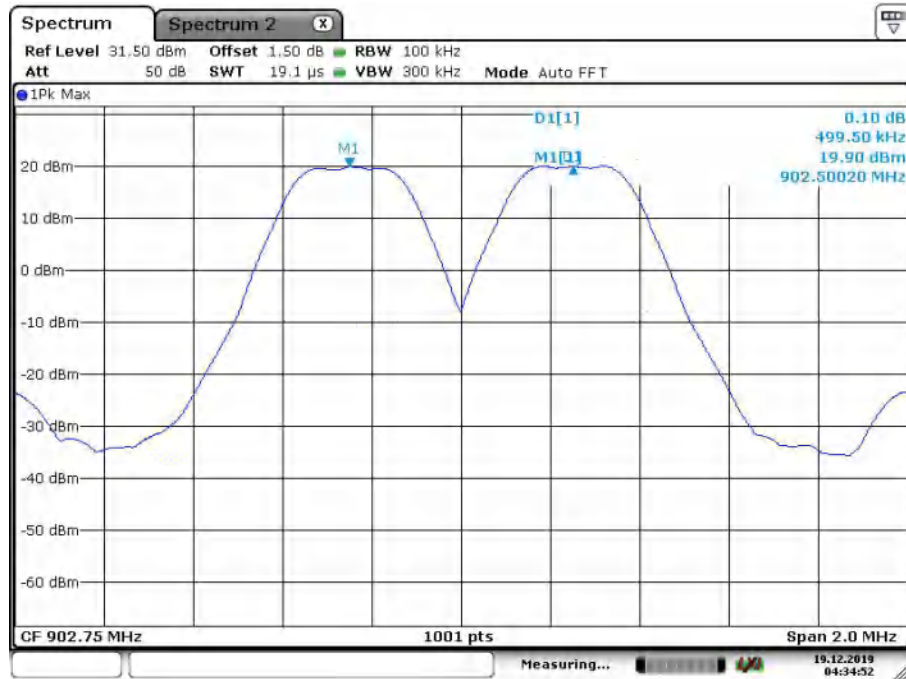


High Channel

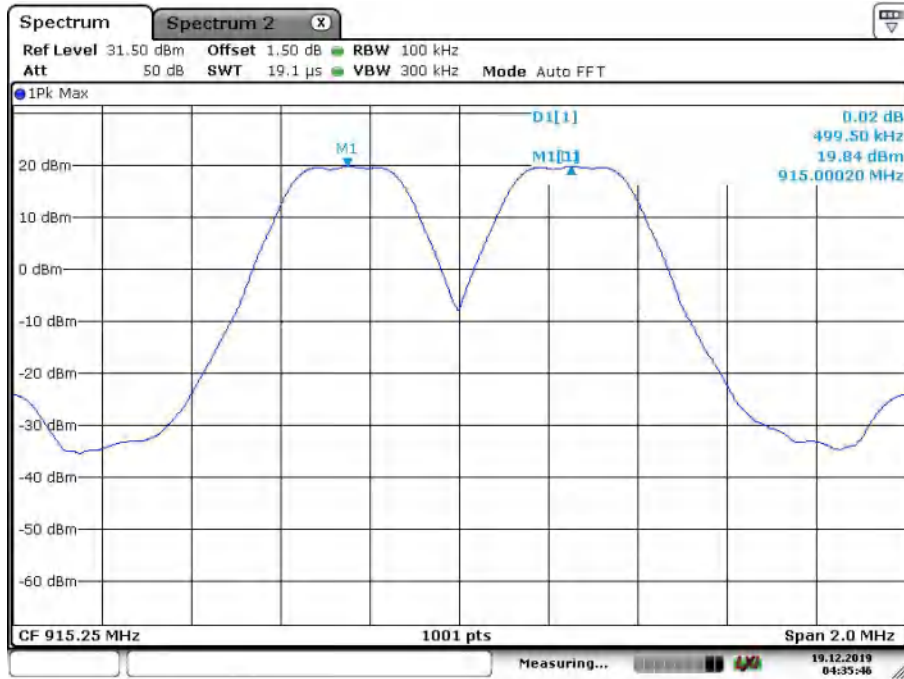


FHSs#6 (DataRate: 250Kbps)

Low Channel

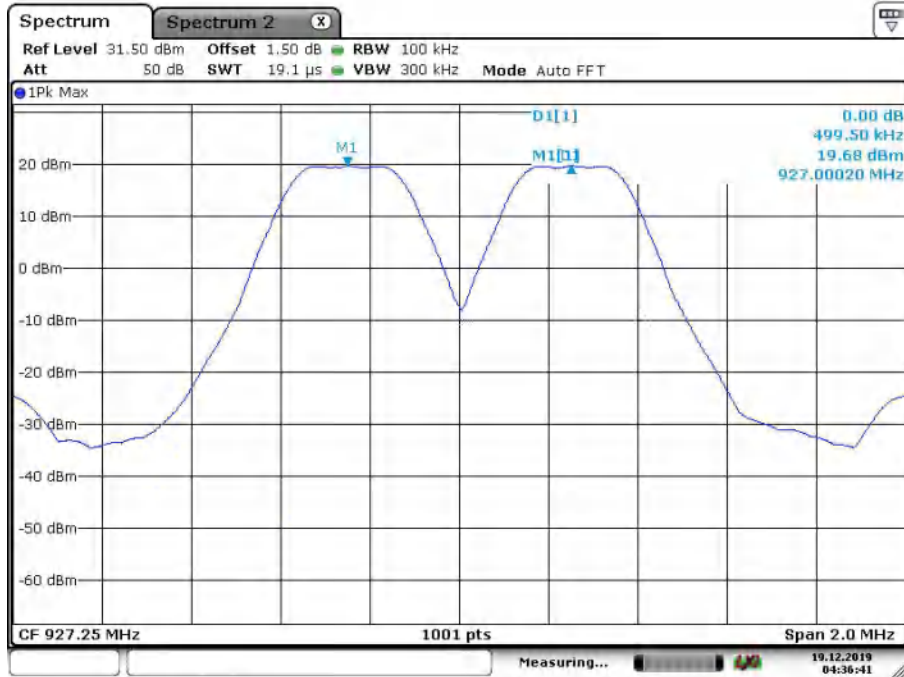


Middle Channel



Date: 19.DEC.2019 04:35:46

High Channel

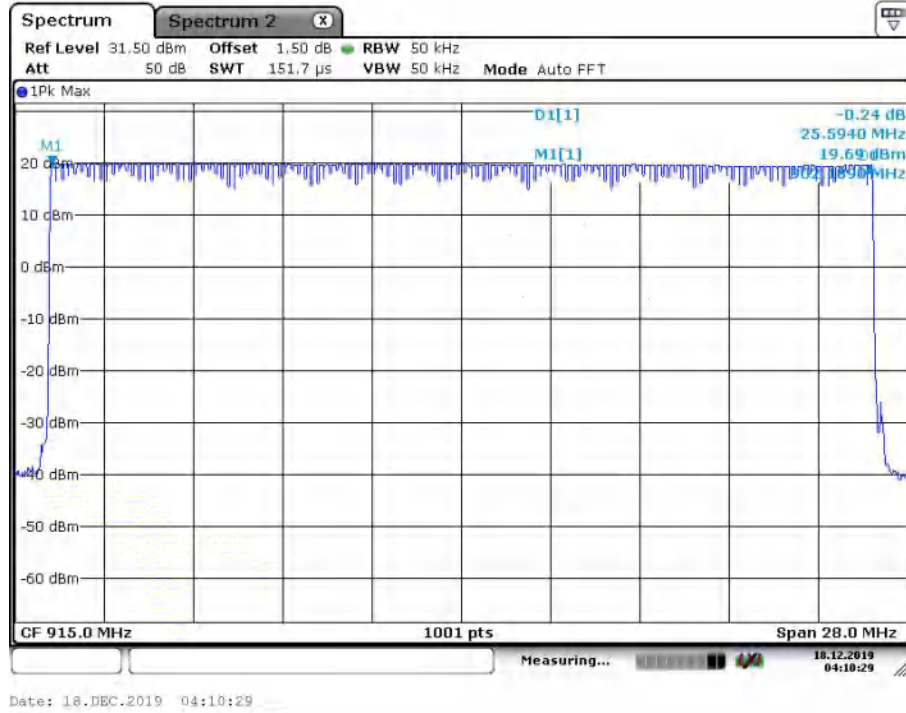


Date: 19.DEC.2019 04:36:41

Appendix B.4: Test Results of Number of Hopping Frequency

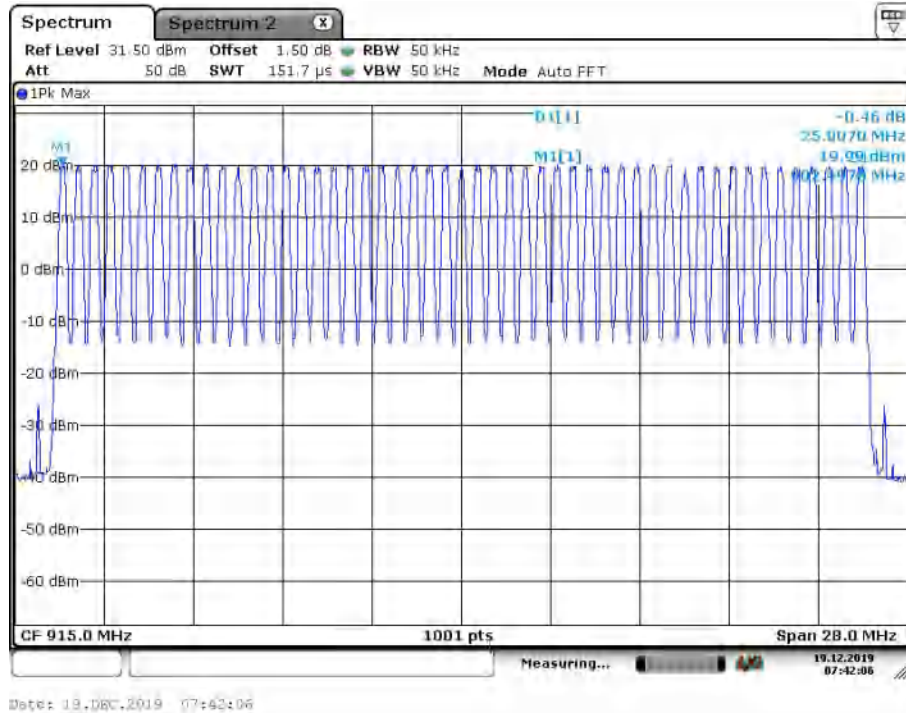
FHSs#2 (Bandwidth: 125KHz)

All hopping channels

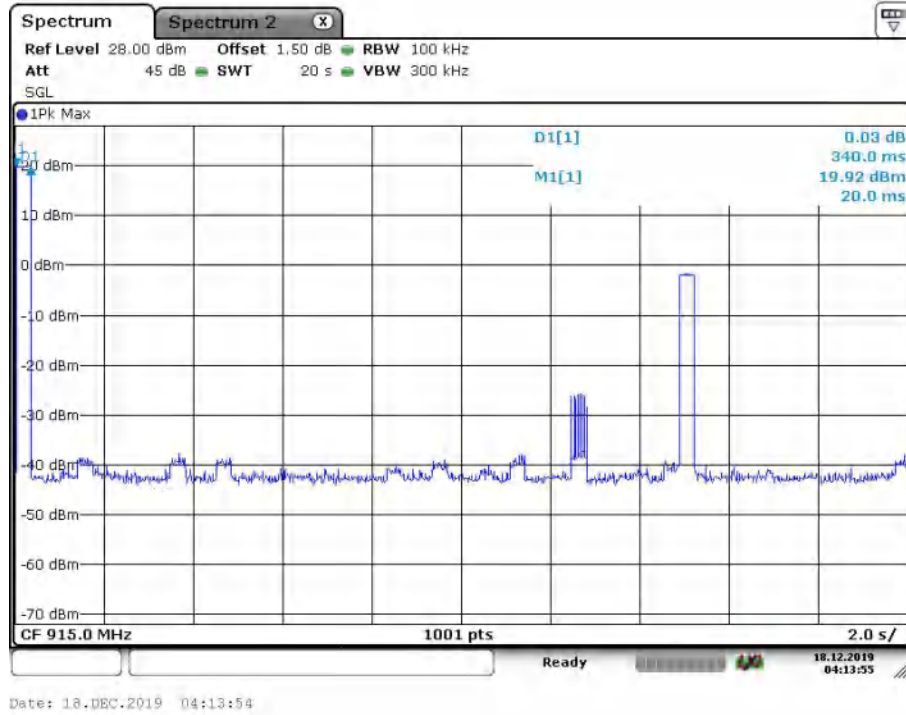


FHSs#6 (DataRate: 250Kbps)

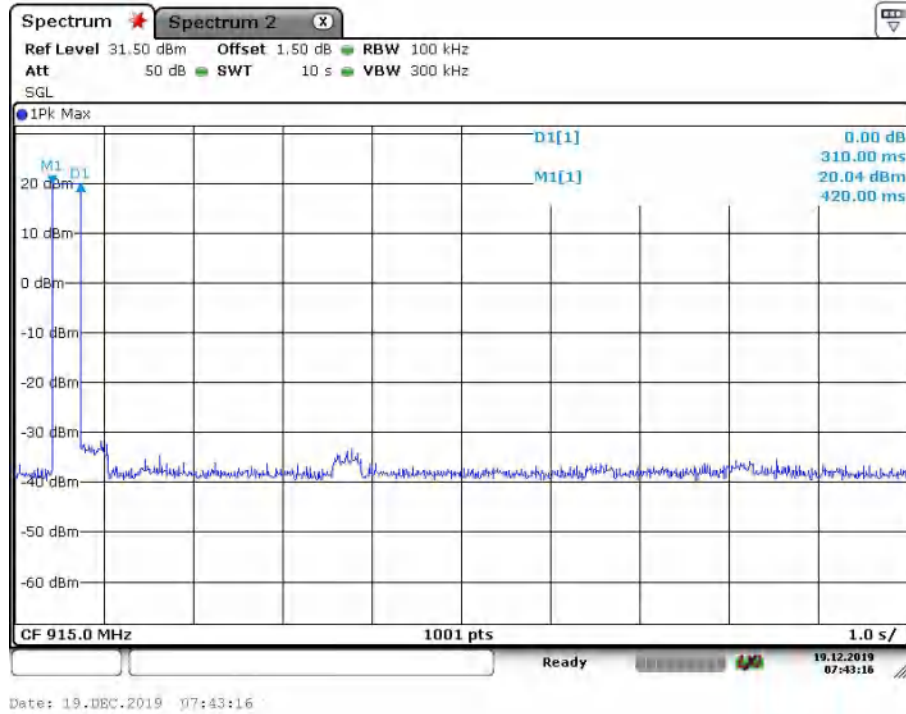
All hopping channels



Appendix B.5: Test Results of Time of Occupancy FHSs#2 (Bandwidth: 125KHz)

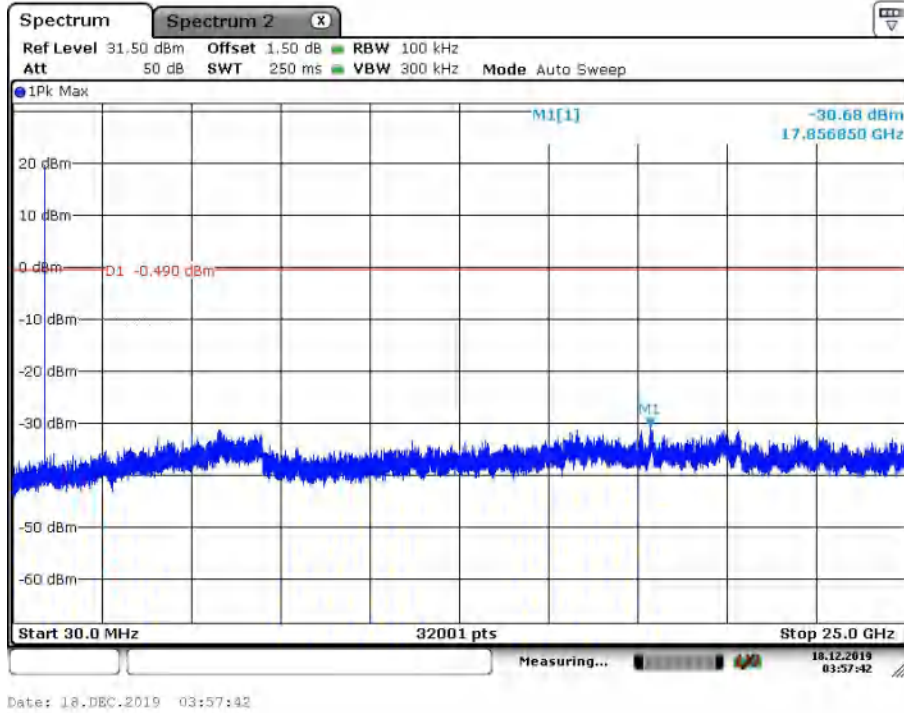


FHSs#6 (DataRate: 250Kbps)

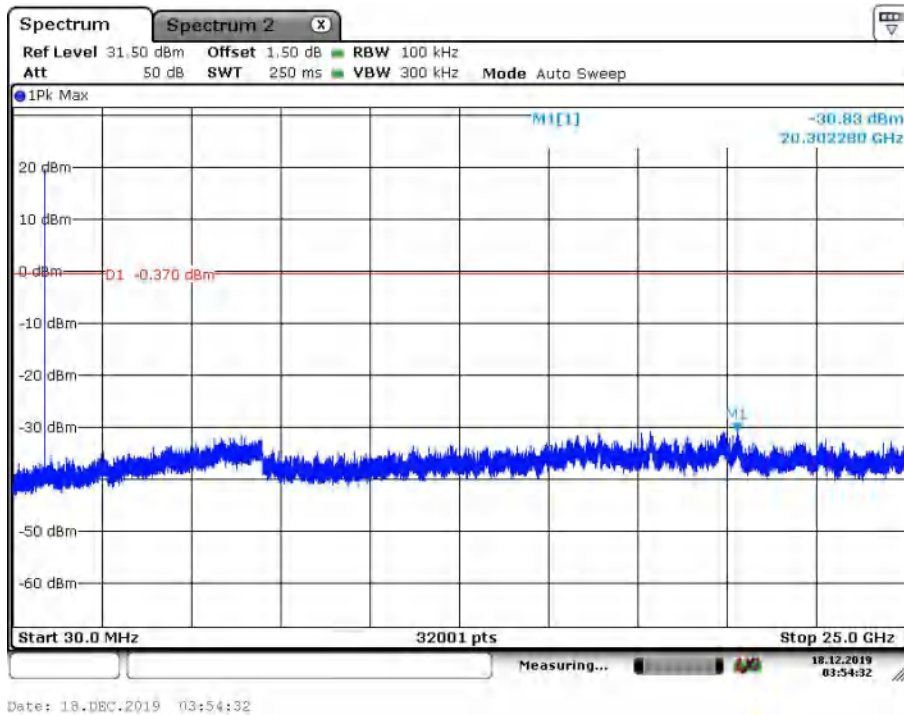


Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

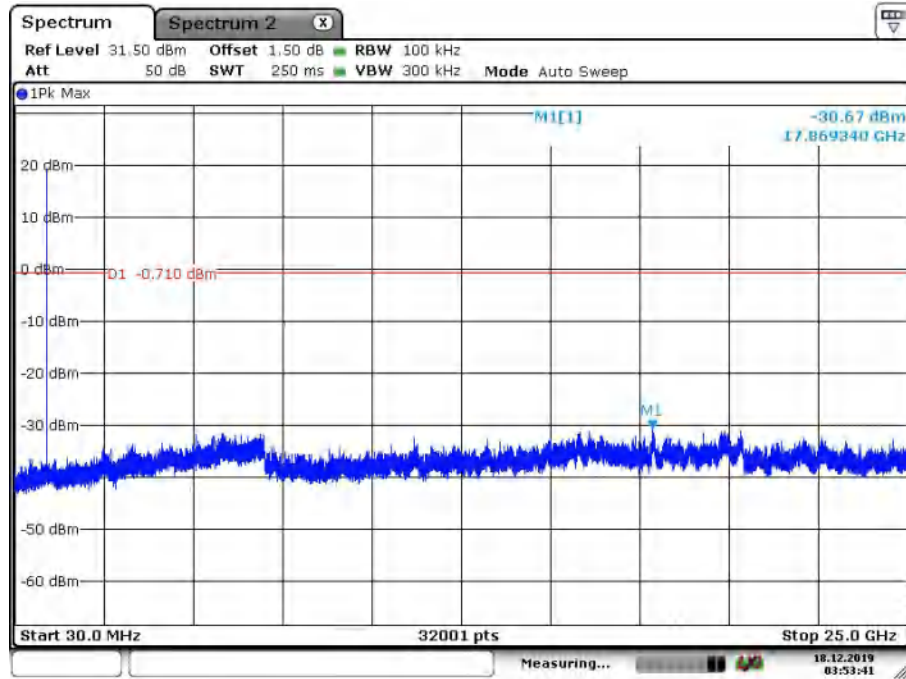
FHSs#2 (Bandwidth: 125KHz)
Low Channel



Middle Channel

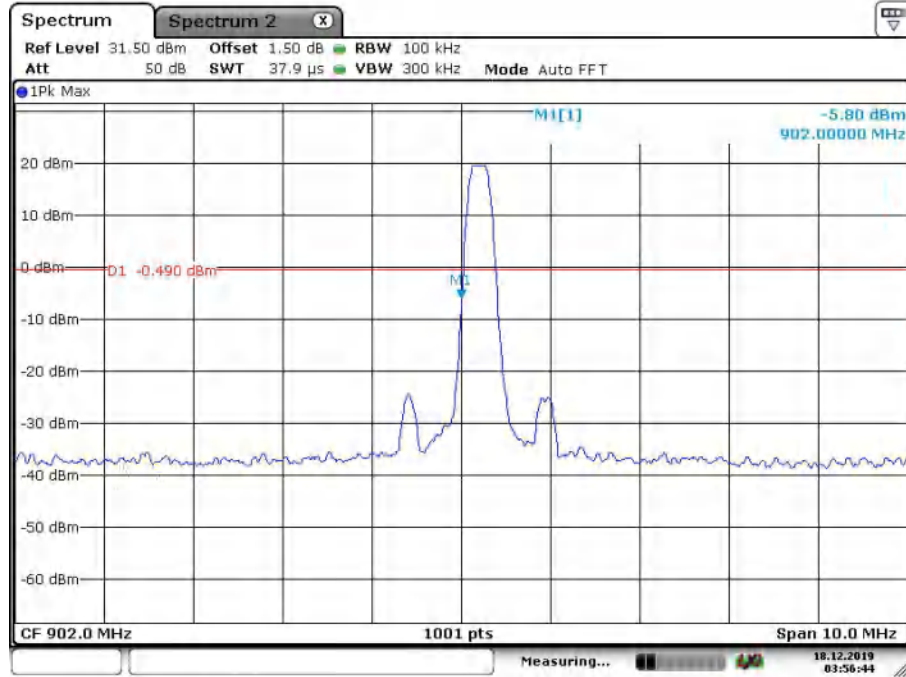


High Channel



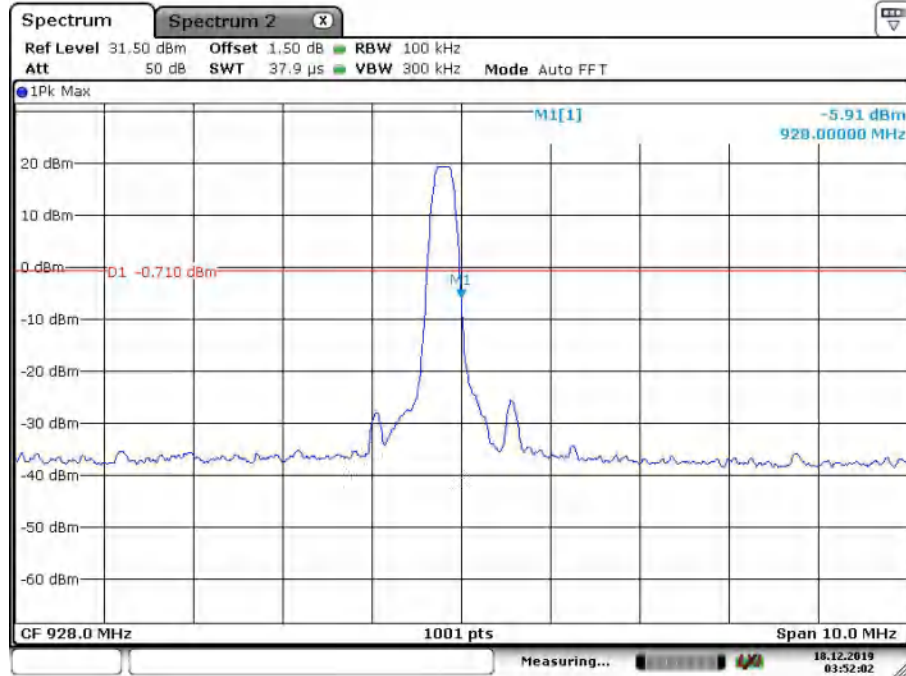
Date: 18.DEC.2019 03:53:41

Band Edge, Low Channel



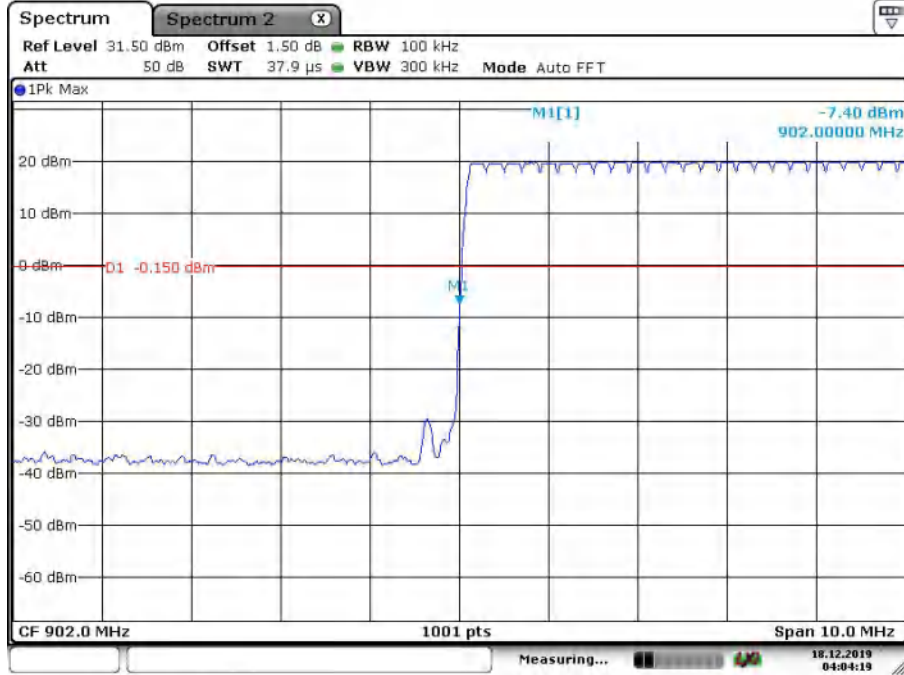
Date: 18.DEC.2019 03:56:44

Band Edge, High Channel



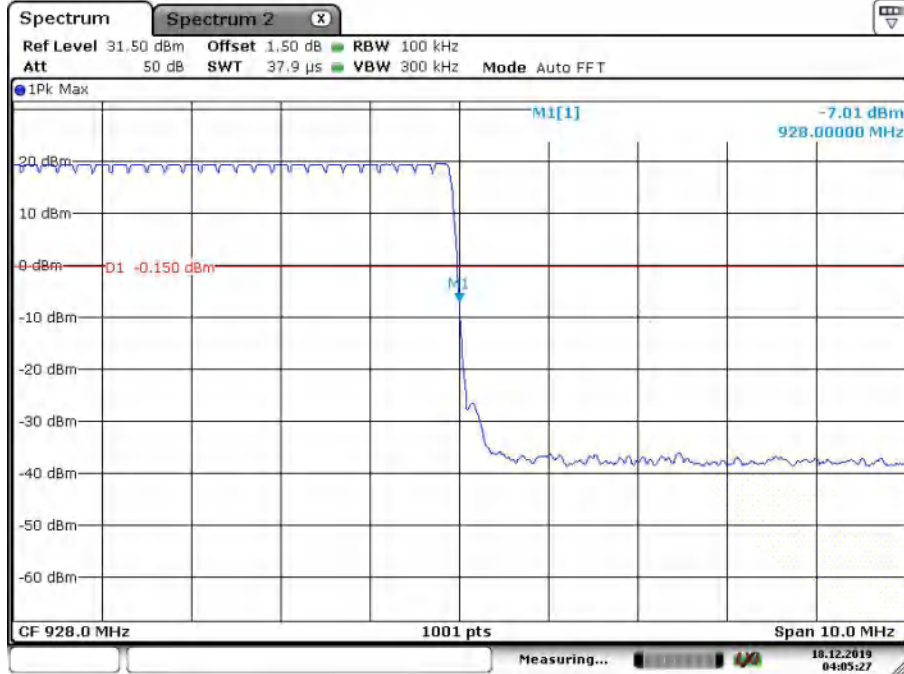
Date: 18.DEC.2019 03:52:01

Band Edge, Hopping Mode, Low Channel



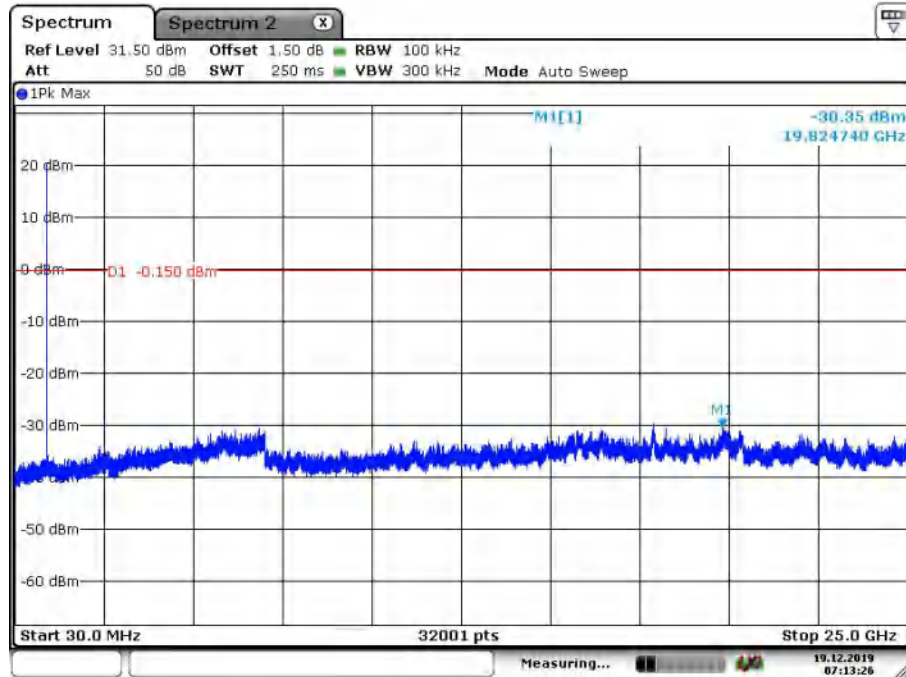
Date: 18.DEC.2019 04:04:19

Band Edge, Hopping Mode, High Channel



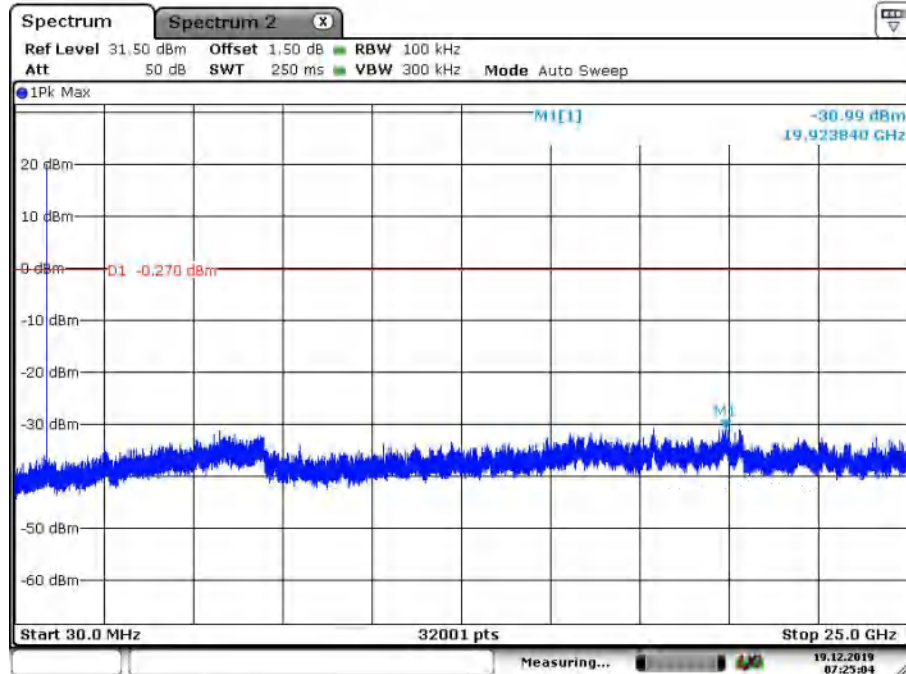
Date: 18.DEC.2019 04:05:26

FHSs#6 (DataRate: 250Kbps)
Low Channel



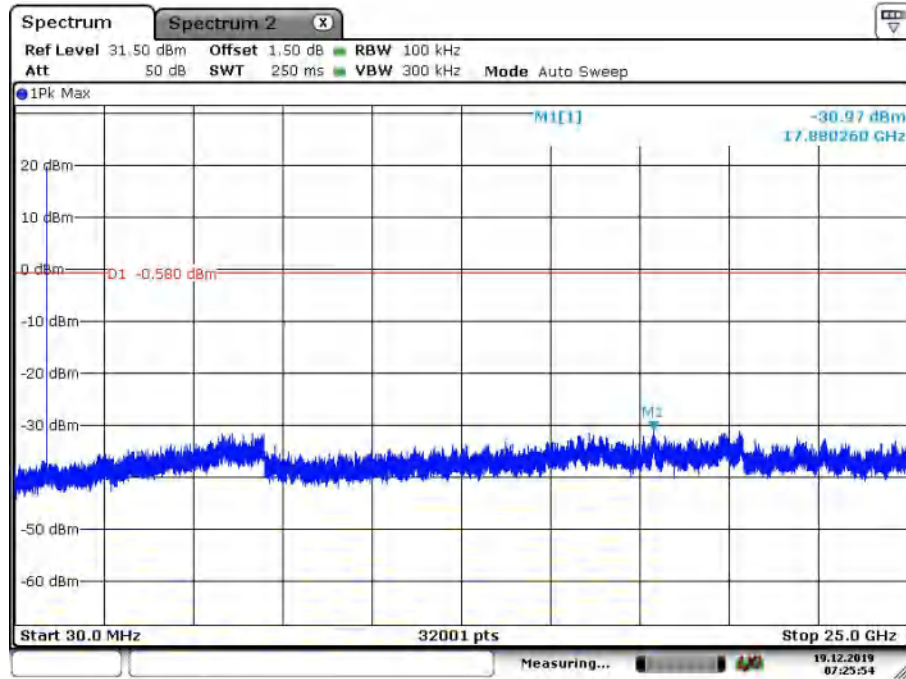
Date: 19.12.2019 07:13:26

Middle Channel



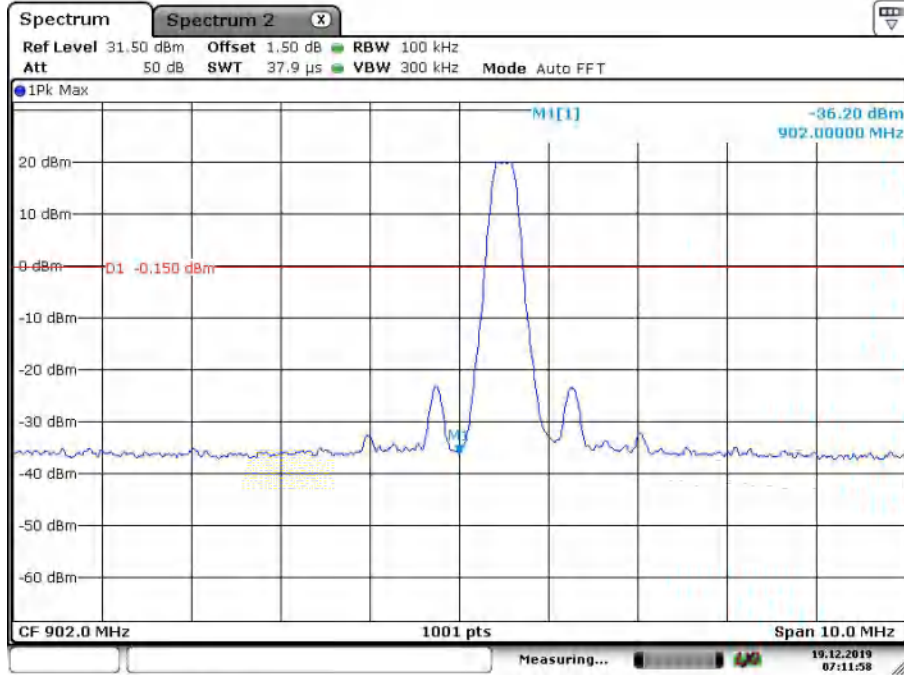
Date: 19.12.2019 07:25:04

High Channel



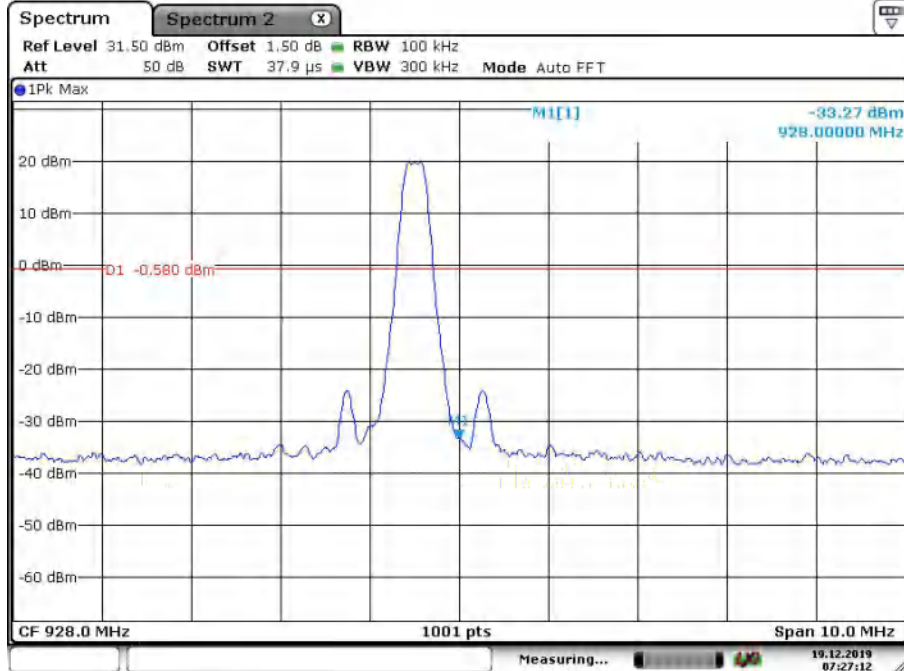
Date: 19.DEC.2019 07:25:54

Band Edge, Low Channel



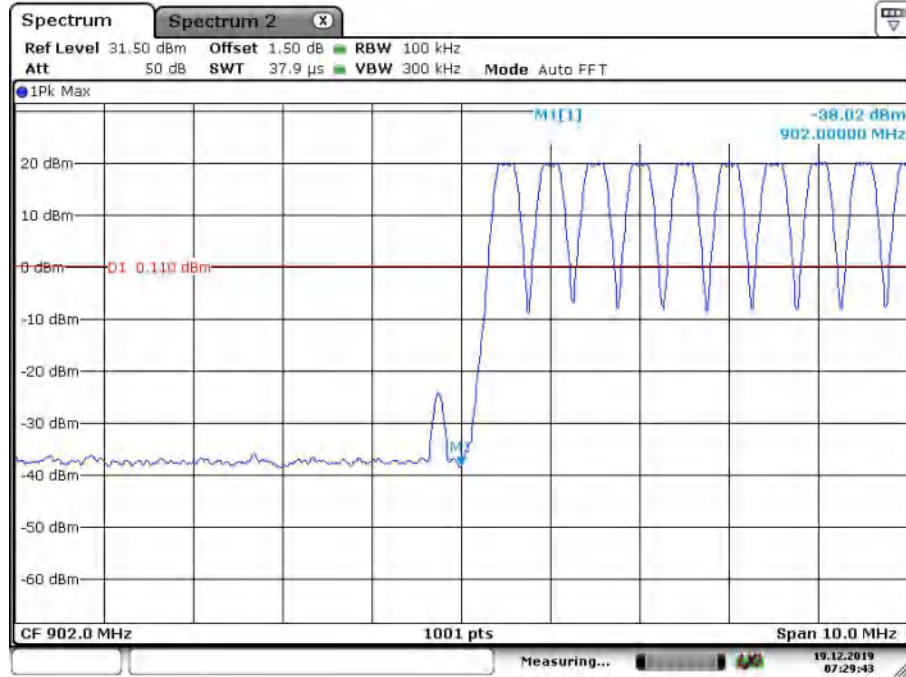
Date: 19.DEC.2019 07:11:58

Band Edge, High Channel



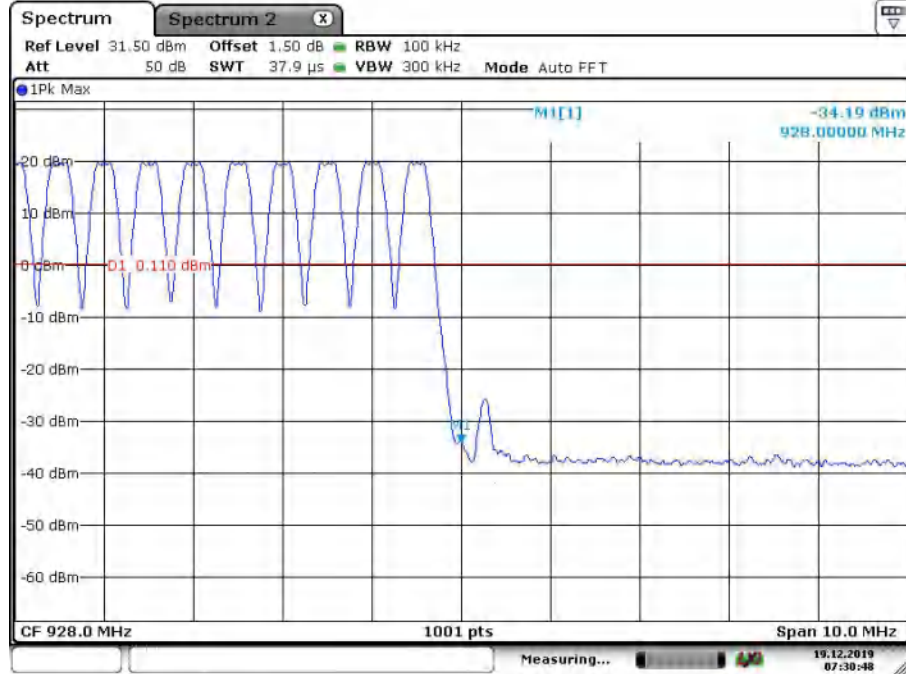
Date: 19.DEC.2019 07:27:12

Band Edge, Hopping Mode, Low Channel



Date: 19.12.2019 07:29:43

Band Edge, Hopping Mode, High Channel



Date: 19.12.2019 07:30:48

Appendix B.7: Test Results of Radiated Spurious Emissions

FHSs#2 (Bandwidth: 125KHz)
30 MHz to 1GHz

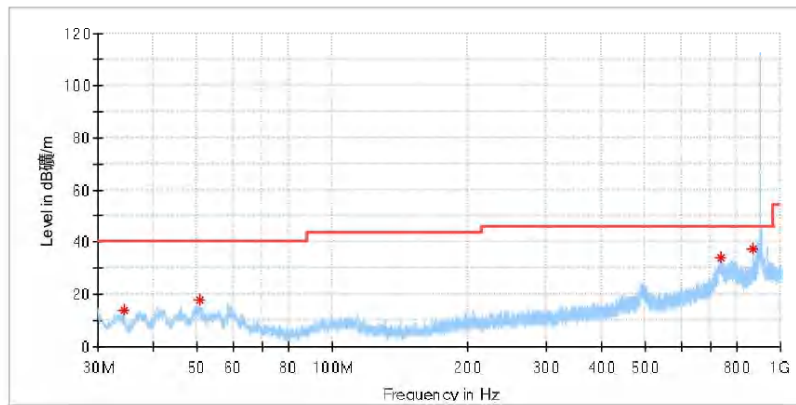
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K Low CH_902.2MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
34.219500	13.80	---	40.00	26.20	100.0	H	308.0	-22.5
50.612500	18.03	---	40.00	21.97	100.0	H	177.0	-18.6
734.899000	33.86	---	46.00	12.14	100.0	H	0.0	-7.8
870.165500	37.34	---	46.00	8.66	100.0	H	349.0	-5.7

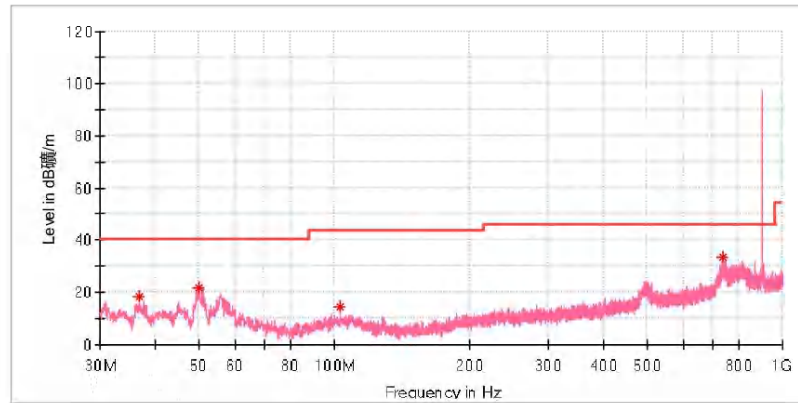
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K Low CH_902.2MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
36.741500	18.42	---	40.00	21.58	100.0	V	324.0	-21.5
49.933500	21.70	---	40.00	18.30	100.0	V	47.0	-18.6
103.089500	14.51	---	43.50	28.99	100.0	V	72.0	-19.2
736.354000	33.31	---	46.00	12.69	100.0	V	104.0	-7.8

19/12/2019

10:42:31 AM

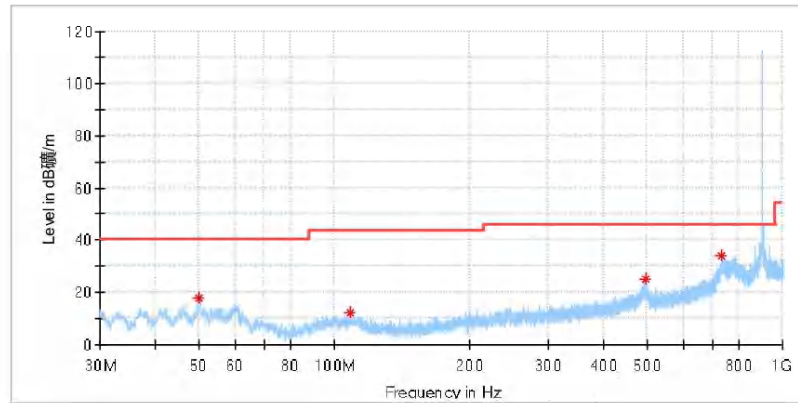
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K High CH_927.8MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
49.739500	18.03	---	40.00	21.97	100.0	H	346.0	-18.6
108.764000	12.25	---	43.50	31.25	100.0	H	11.0	-19.3
494.145000	25.38	---	46.00	20.62	100.0	H	288.0	-12.3
729.661000	34.09	---	46.00	11.91	100.0	H	4.0	-7.9

19/12/2019

11:04:45 AM

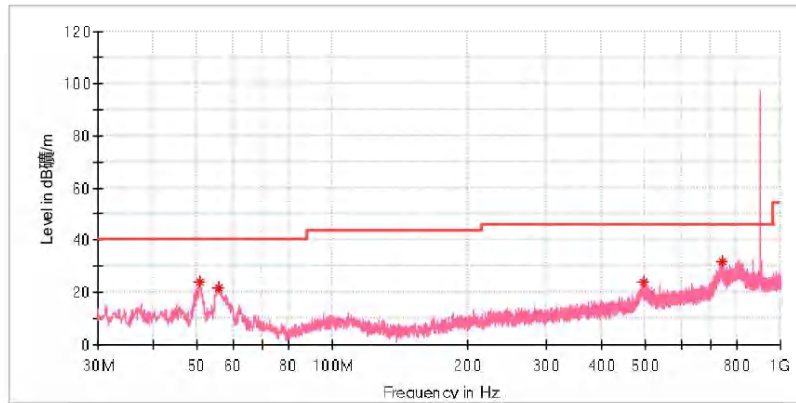
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K High CH_927.8MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
50.467000	23.79	---	40.00	16.21	100.0	V	20.0	-18.6
55.753500	21.75	---	40.00	18.25	100.0	V	107.0	-18.8
495.066500	24.04	---	46.00	21.96	100.0	V	205.0	-12.3
740.961500	31.84	---	46.00	14.16	100.0	V	82.0	-7.7

19/12/2019

11:08:22 AM

1GHz to 18GHz

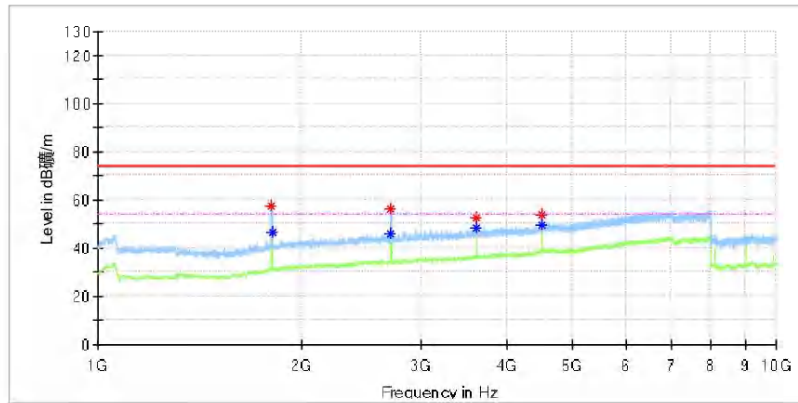
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K Low CH_902.2MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1804.175000	57.42	---	74.00	16.58	100.0	H	258.0	4.7
1805.012500	---	46.44	54.00	7.56	100.0	H	60.0	4.8
2705.325000	---	46.06	54.00	7.94	100.0	H	249.0	7.5
2706.162500	56.13	---	74.00	17.87	100.0	H	268.0	7.5
3608.150000	52.75	---	74.00	21.25	100.0	H	32.0	9.4
3608.987500	---	48.55	54.00	5.45	100.0	H	41.0	9.4
4510.975000	53.72	---	74.00	20.28	100.0	H	4.0	11.6
4510.975000	---	49.84	54.00	4.16	100.0	H	4.0	11.6

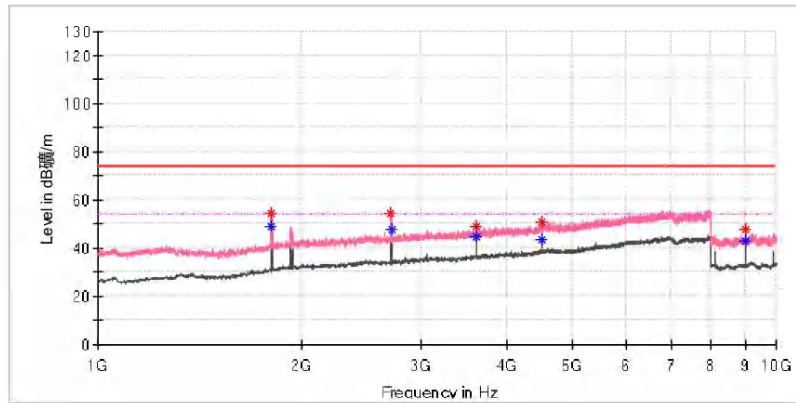
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K Low CH_902.2MHz
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1803.337500	---	48.79	54.00	5.21	100.0	V	140.0	4.7
1804.175000	54.24	---	74.00	19.76	100.0	V	149.0	4.7
2706.162500	54.42	---	74.00	19.58	100.0	V	0.0	7.5
2707.000000	---	47.61	54.00	6.39	100.0	V	3.0	7.6
3608.150000	---	44.45	54.00	9.55	100.0	V	26.0	9.4
3608.150000	49.23	---	74.00	24.77	100.0	V	26.0	9.4
4510.975000	---	43.28	54.00	10.72	100.0	V	215.0	11.6
4510.975000	50.76	---	74.00	23.24	100.0	V	215.0	11.6
9022.000000	---	42.66	54.00	11.34	100.0	V	332.0	8.9
9022.000000	47.53	---	74.00	26.47	100.0	V	332.0	8.9

19/12/2019

4:40:04 PM

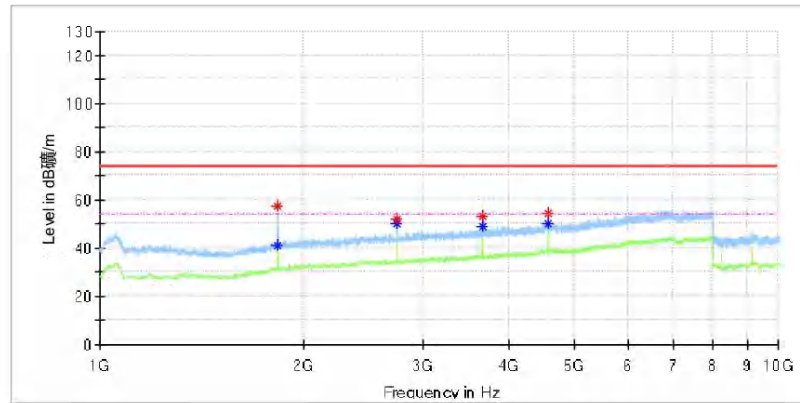
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K Mid CH_915MHz
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1829.300000	57.20	---	74.00	16.80	100.0	H	270.0	4.9
1830.975000	---	41.04	54.00	12.96	100.0	H	270.0	4.9
2744.687500	---	49.97	54.00	4.03	100.0	H	252.0	7.8
2744.687500	52.11	---	74.00	21.89	100.0	H	252.0	7.8
3660.075000	---	49.25	54.00	4.75	100.0	H	44.0	9.4
3660.075000	52.91	---	74.00	21.09	100.0	H	44.0	9.4
4574.625000	---	50.44	54.00	3.56	100.0	H	72.0	12.0
4574.625000	54.23	---	74.00	19.77	100.0	H	72.0	12.0

19/12/2019

4:55:17 PM

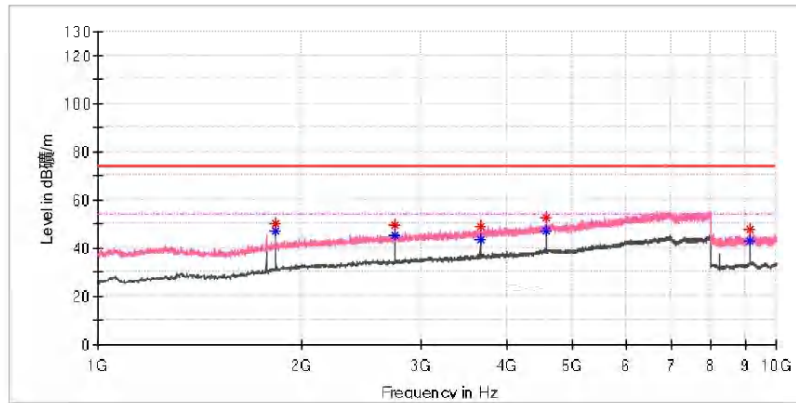
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K Mid CH_915MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1829.300000	---	47.00	54.00	7.00	100.0	V	12.0	4.9
1830.137500	49.89	---	74.00	24.11	100.0	V	117.0	4.9
2744.687500	---	45.41	54.00	8.59	100.0	V	4.0	7.8
2744.687500	49.76	---	74.00	24.24	100.0	V	4.0	7.8
3660.075000	---	43.25	54.00	10.75	100.0	V	126.0	9.4
3660.075000	49.27	---	74.00	24.73	100.0	V	126.0	9.4
4574.625000	---	47.39	54.00	6.61	100.0	V	334.0	12.0
4574.625000	52.40	---	74.00	21.60	100.0	V	334.0	12.0
9149.500000	---	43.06	54.00	10.94	100.0	V	67.0	10.1
9150.000000	48.05	---	74.00	25.95	100.0	V	67.0	10.1

19/12/2019

5:03:17 PM

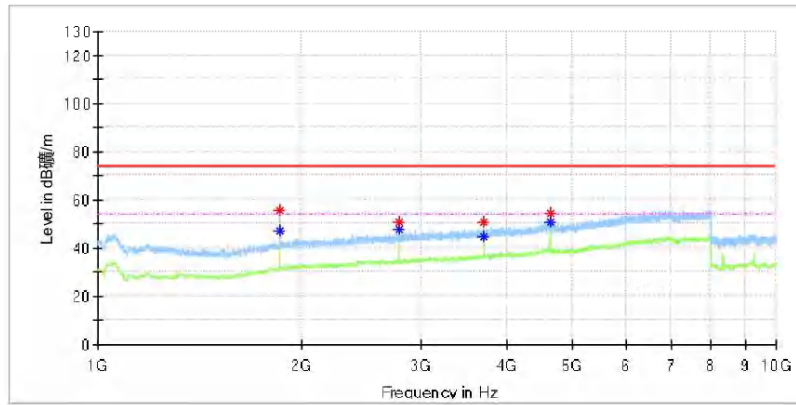
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K High CH_927.8MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1855.262500	55.59	---	74.00	18.41	100.0	H	249.0	5.0
1856.100000	---	47.24	54.00	6.76	100.0	H	268.0	5.1
2783.212500	50.88	---	74.00	23.12	100.0	H	239.0	7.9
2783.212500	---	47.52	54.00	6.48	100.0	H	239.0	7.9
3711.162500	50.53	---	74.00	23.47	100.0	H	32.0	9.6
3711.162500	---	44.91	54.00	9.09	100.0	H	32.0	9.6
4639.112500	54.64	---	74.00	19.36	100.0	H	79.0	12.0
4639.112500	---	50.87	54.00	3.13	100.0	H	79.0	12.0

19/12/2019

5:18:42 PM

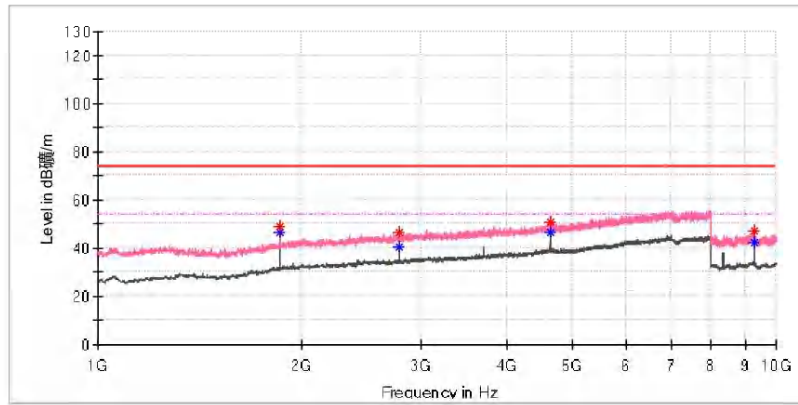
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	Lora FHSS 125K High CH_927.8MHz
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1855.262500	---	46.63	54.00	7.37	100.0	V	0.0	5.0
1855.262500	49.08	---	74.00	24.92	100.0	V	0.0	5.0
2783.212500	---	40.43	54.00	13.57	100.0	V	216.0	7.9
2783.212500	46.44	---	74.00	27.56	100.0	V	216.0	7.9
4639.112500	51.09	---	74.00	22.91	100.0	V	320.0	12.0
4639.112500	---	46.70	54.00	7.30	100.0	V	320.0	12.0
9277.000000	46.98	---	74.00	27.02	100.0	V	184.0	10.2
9278.000000	---	42.18	54.00	11.82	100.0	V	62.0	10.2

19/12/2019

5:35:24 PM

FHSs#6 (DataRate: 250Kbps)
30 MHz to 1GHz

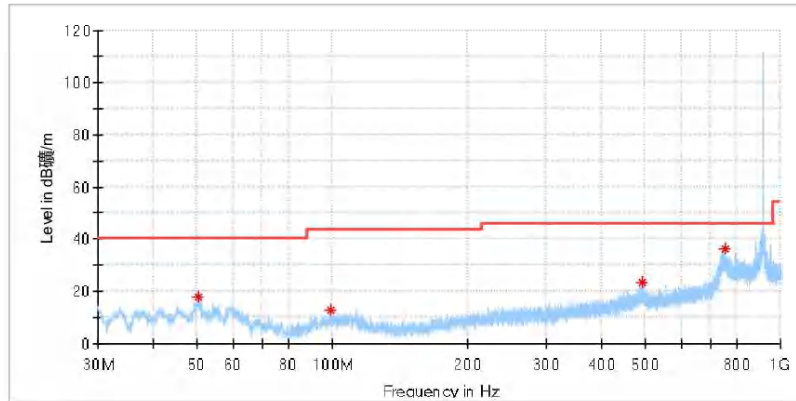
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
50.273000	18.13	---	40.00	21.87	100.0	H	46.0	-18.6
99.452000	12.99	---	43.50	30.51	100.0	H	11.0	-19.4
489.828500	23.33	---	46.00	22.67	100.0	H	322.0	-12.4
754.638500	36.13	---	46.00	9.87	100.0	H	358.0	-7.5

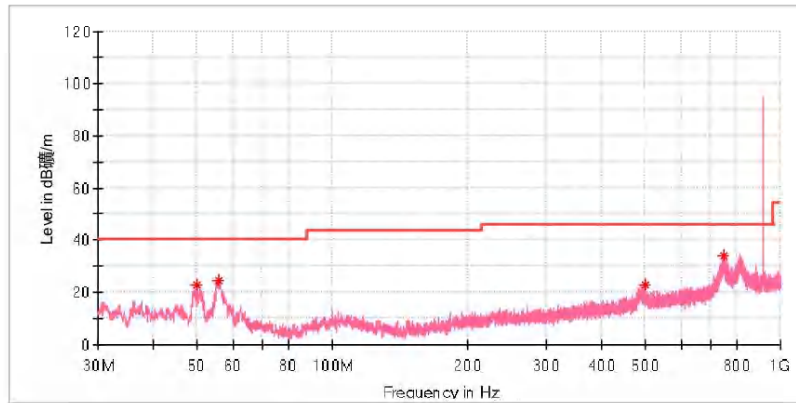
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K Low CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
49.982000	22.70	---	40.00	17.30	100.0	V	22.0	-18.6
55.656500	24.35	---	40.00	15.65	100.0	V	293.0	-18.8
497.734000	23.06	---	46.00	22.94	100.0	V	227.0	-12.3
746.442000	34.28	---	46.00	11.72	100.0	V	121.0	-7.6

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11:25:04 AM

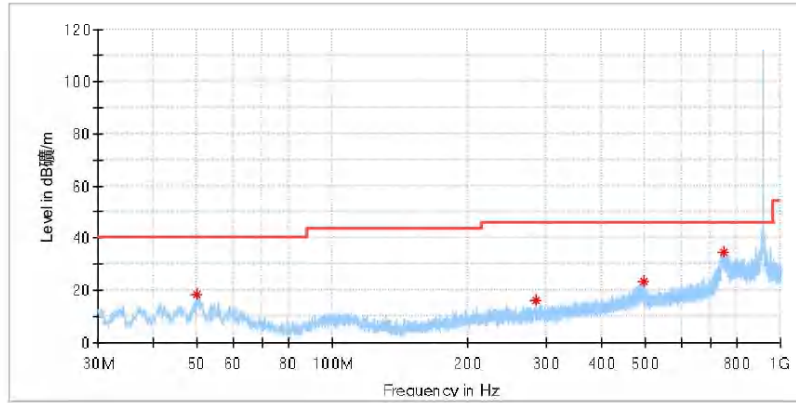
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K High CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
49.982000	18.60	---	40.00	21.40	100.0	H	0.0	-18.6
284.673500	16.43	---	46.00	29.57	100.0	H	234.0	-17.0
493.369000	23.21	---	46.00	22.79	100.0	H	119.0	-12.3
747.169500	34.35	---	46.00	11.65	100.0	H	0.0	-7.6

19/12/2019

11:31:35 AM

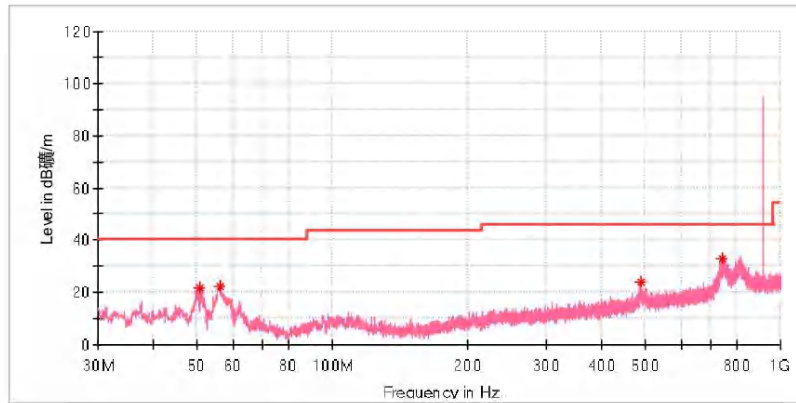
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K High CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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	21.78	---	40.00	18.22	100.0	V	73.0	-18.6
56.238500	22.29	---	40.00	17.71	100.0	V	153.0	-18.9
487.064000	24.02	---	46.00	21.98	100.0	V	259.0	-12.4
741.301000	33.12	---	46.00	12.88	100.0	V	73.0	-7.7

19/12/2019

12:11:15 PM

1GHz to 18GHz

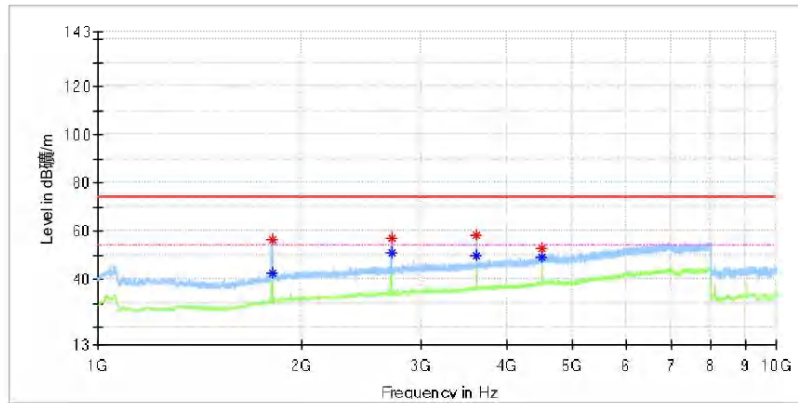
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1805.012500	56.63	---	74.00	17.37	100.0	H	253.0	4.8
1805.850000	---	42.59	54.00	11.41	100.0	H	77.0	4.8
2707.000000	57.06	---	74.00	16.94	100.0	H	243.0	7.6
2707.837500	---	50.95	54.00	3.05	100.0	H	243.0	7.6
3609.825000	58.58	---	74.00	15.42	100.0	H	253.0	9.4
3610.662500	---	49.95	54.00	4.05	100.0	H	234.0	9.4
4512.650000	---	49.01	54.00	4.99	100.0	H	11.0	11.6
4512.650000	53.08	---	74.00	20.92	100.0	H	11.0	11.6

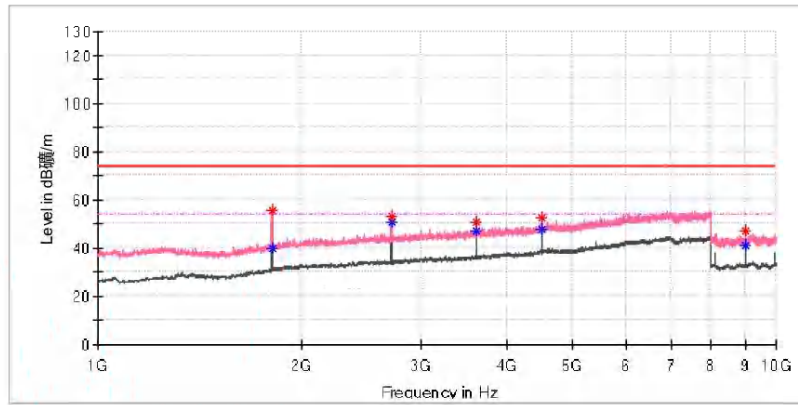
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K Low CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1805.012500	55.62	---	74.00	18.38	100.0	V	136.0	4.8
1805.850000	---	39.71	54.00	14.29	100.0	V	154.0	4.8
2707.000000	---	50.59	54.00	3.41	100.0	V	0.0	7.6
2707.000000	53.35	---	74.00	20.65	100.0	V	0.0	7.6
3609.825000	---	47.11	54.00	6.89	100.0	V	117.0	9.4
3609.825000	50.92	---	74.00	23.08	100.0	V	117.0	9.4
4511.812500	52.76	---	74.00	21.24	100.0	V	315.0	11.6
4512.650000	---	47.61	54.00	6.39	100.0	V	315.0	11.6
9025.000000	---	40.82	54.00	13.18	100.0	V	356.0	8.9
9026.000000	46.91	---	74.00	27.09	100.0	V	343.0	8.9

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3:55:26 PM

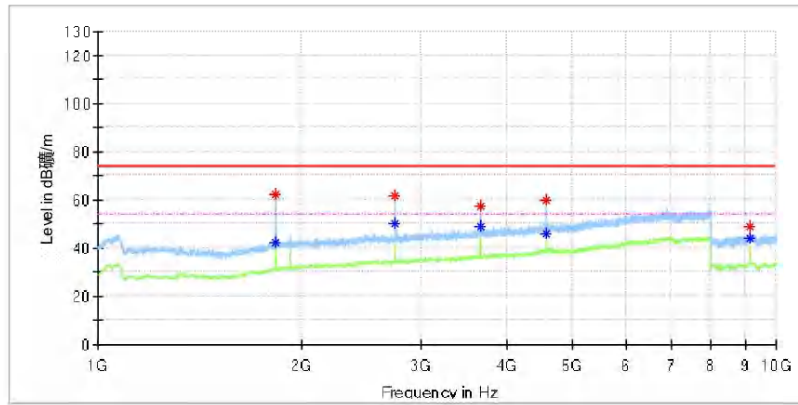
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K Mid CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1828.462500	---	42.42	54.00	11.58	100.0	H	97.0	4.9
1829.300000	62.55	---	74.00	11.45	100.0	H	87.0	4.9
2743.850000	---	49.91	54.00	4.09	100.0	H	267.0	7.8
2744.687500	61.63	---	74.00	12.37	100.0	H	304.0	7.8
3660.075000	57.25	---	74.00	16.75	100.0	H	87.0	9.4
3660.912500	---	48.80	54.00	5.20	100.0	H	50.0	9.5
4573.787500	---	46.01	54.00	7.99	100.0	H	69.0	12.0
4574.625000	59.94	---	74.00	14.06	100.0	H	78.0	12.0
9150.000000	49.05	---	74.00	24.95	100.0	H	67.0	10.1
9150.000000	---	44.33	54.00	9.67	100.0	H	67.0	10.1

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1:49:52 PM

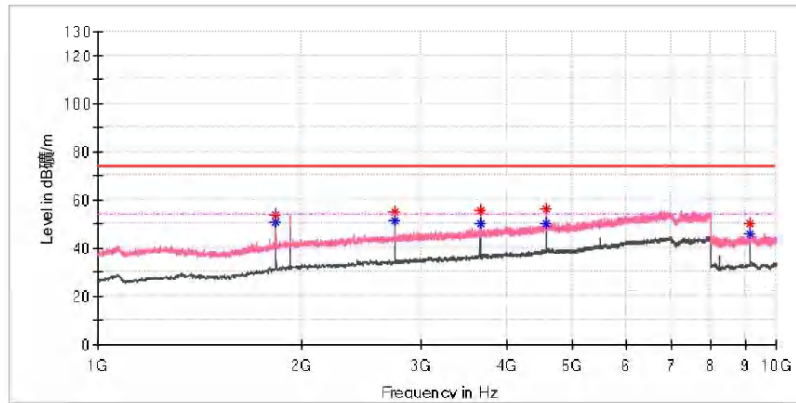
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K Mid CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1829.300000	53.56	---	74.00	20.44	100.0	V	126.0	4.9
1829.300000	---	50.77	54.00	3.23	100.0	V	126.0	4.9
2744.687500	54.82	---	74.00	19.18	100.0	V	154.0	7.8
2744.687500	---	50.96	54.00	3.04	100.0	V	154.0	7.8
3659.237500	---	50.08	54.00	3.92	100.0	V	0.0	9.4
3660.075000	55.68	---	74.00	18.32	100.0	V	0.0	9.4
4574.625000	56.16	---	74.00	17.84	100.0	V	51.0	12.0
4575.462500	---	50.33	54.00	3.67	100.0	V	51.0	12.0
9149.500000	50.29	---	74.00	23.71	100.0	V	5.0	10.1
9150.000000	---	45.69	54.00	8.31	100.0	V	1.0	10.1

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2:00:12 PM

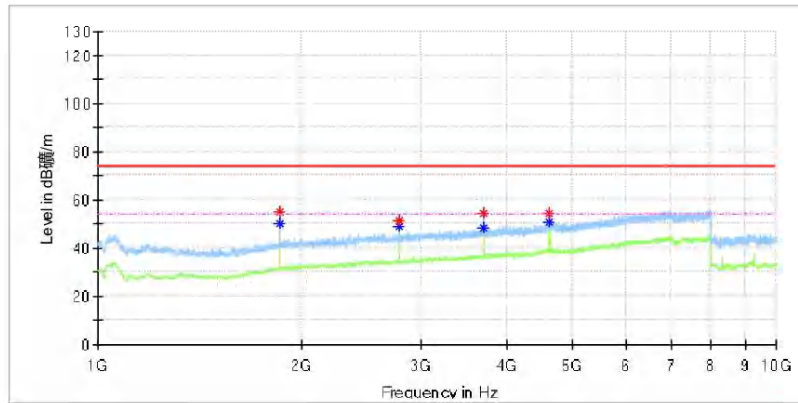
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K High CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1854.425000	55.15	---	74.00	18.85	100.0	H	262.0	5.0
1855.262500	---	50.00	54.00	4.00	100.0	H	262.0	5.0
2782.375000	51.41	---	74.00	22.59	100.0	H	224.0	7.9
2782.375000	---	48.82	54.00	5.18	100.0	H	224.0	7.9
3710.325000	---	48.51	54.00	5.49	100.0	H	17.0	9.6
3710.325000	54.14	---	74.00	19.86	100.0	H	17.0	9.6
4637.437500	---	50.53	54.00	3.47	100.0	H	83.0	12.0
4637.437500	54.13	---	74.00	19.87	100.0	H	83.0	12.0

19/12/2019

4:06:44 PM

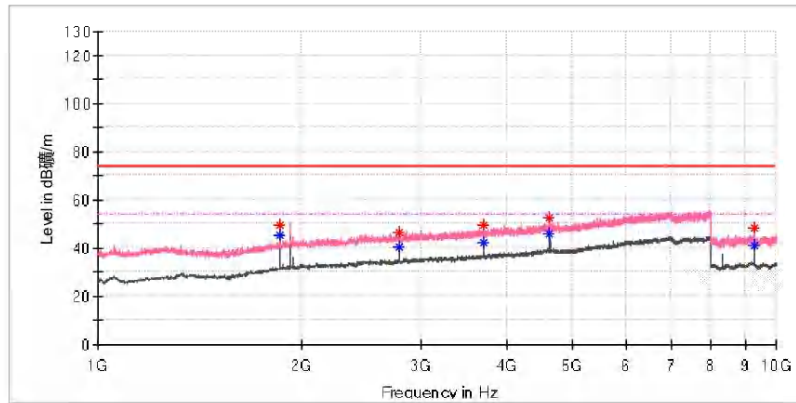
Test

1 / 1

Test Report

EUT Information

EUT Name:	Solar Pathlight
Model:	5AT1S6
Test Mode:	FSK 250K High CH
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:54%
Test Standard:	FCC 15.247
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)
1854.425000	---	45.35	54.00	8.65	100.0	V	352.0	5.0
1855.262500	49.28	---	74.00	24.72	100.0	V	183.0	5.0
2782.375000	---	40.60	54.00	13.40	100.0	V	202.0	7.9
2782.375000	46.80	---	74.00	27.20	100.0	V	202.0	7.9
3709.487500	---	42.50	54.00	11.50	100.0	V	117.0	9.6
3710.325000	49.30	---	74.00	24.70	100.0	V	117.0	9.6
4637.437500	---	45.95	54.00	8.05	100.0	V	334.0	12.0
4637.437500	52.58	---	74.00	21.42	100.0	V	334.0	12.0
9274.500000	48.14	---	74.00	25.86	100.0	V	67.0	10.2
9275.000000	---	41.08	54.00	12.92	100.0	V	57.0	10.2

19/12/2019

4:15:55 PM