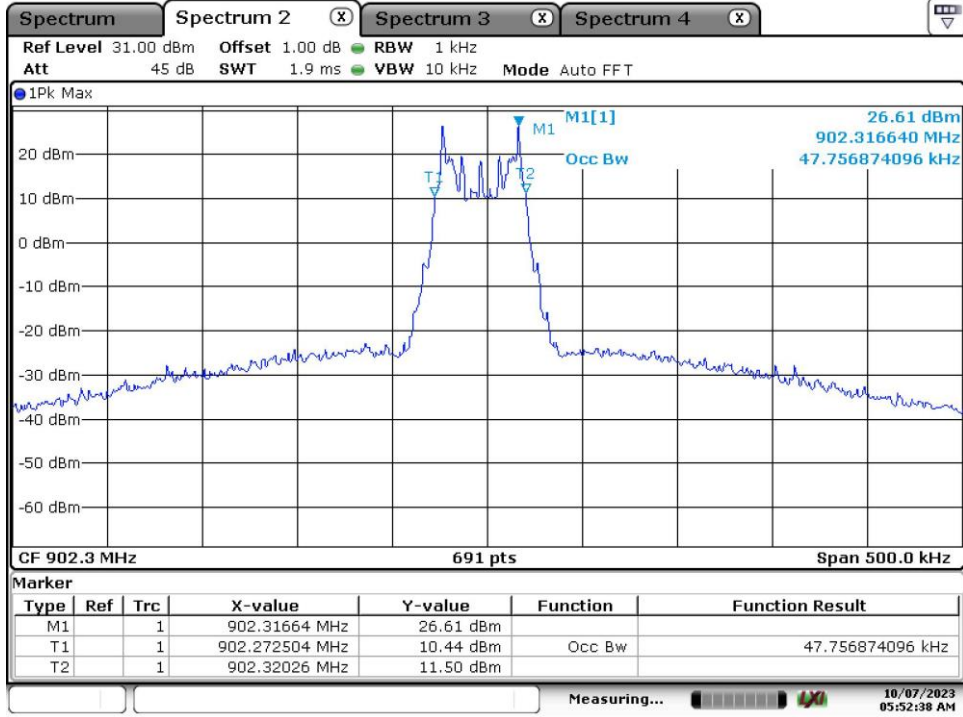


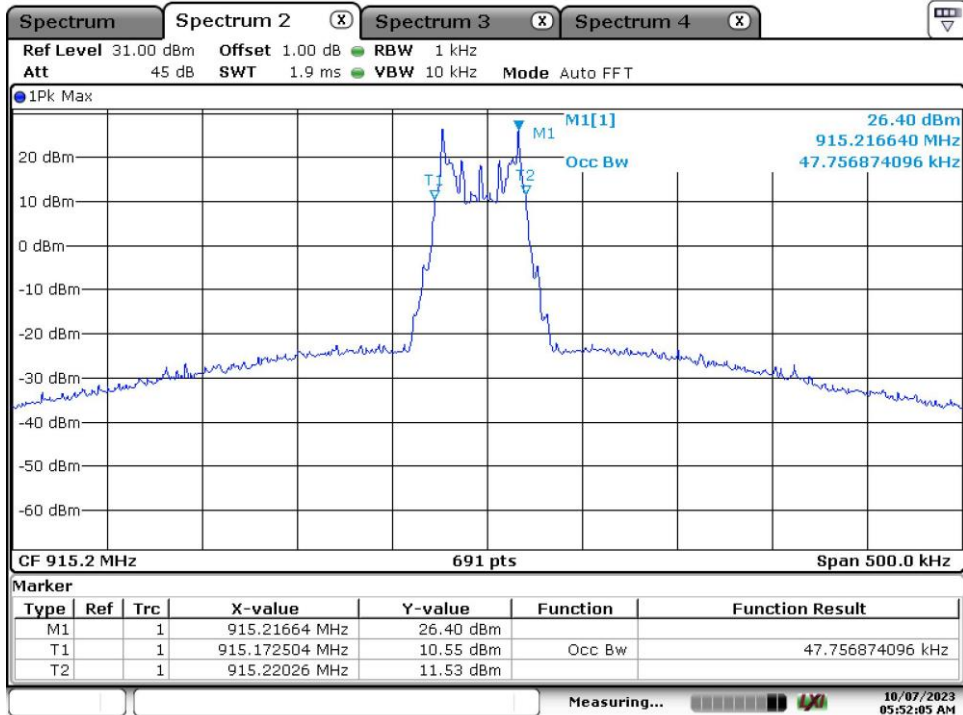
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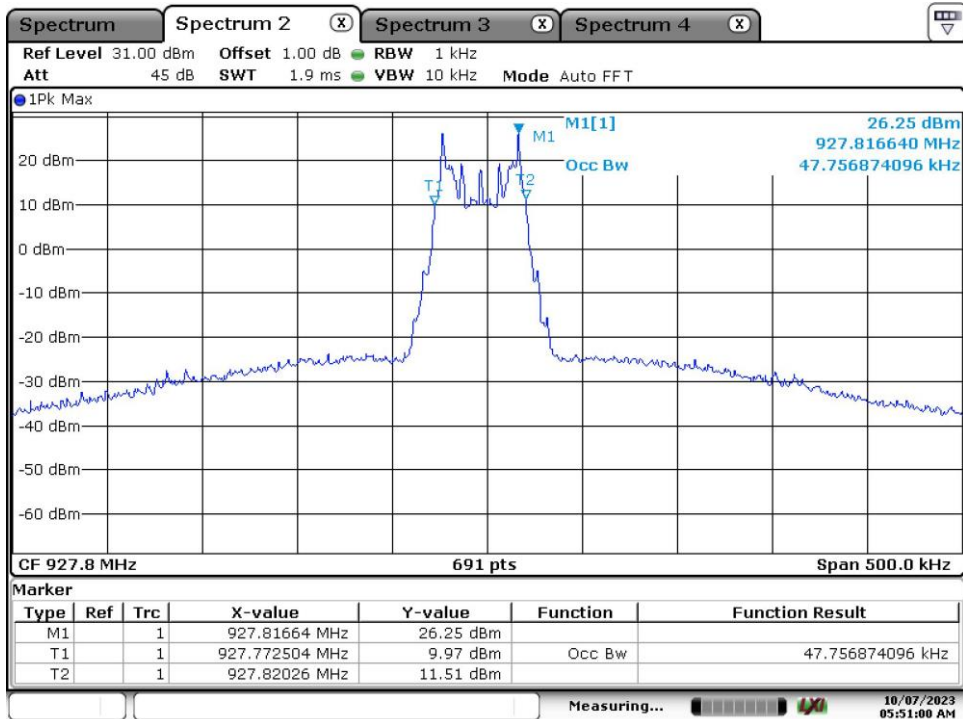
Appendix A.1: Test Results of 99% Bandwidth



Date: 7.OCT.2023 05:52:39

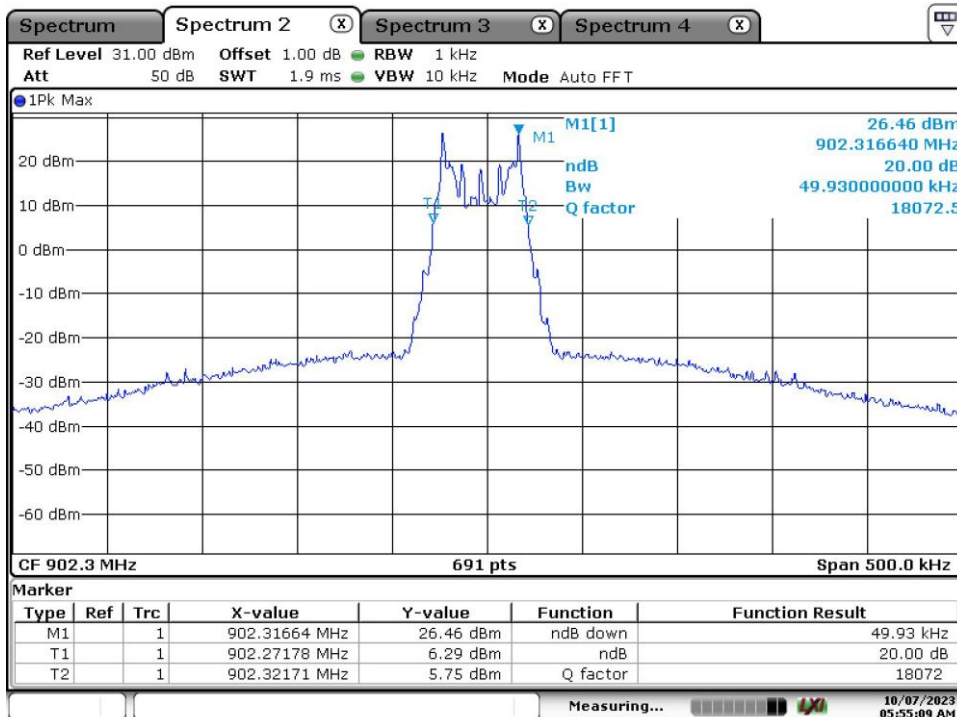


Date: 7.OCT.2023 05:52:05

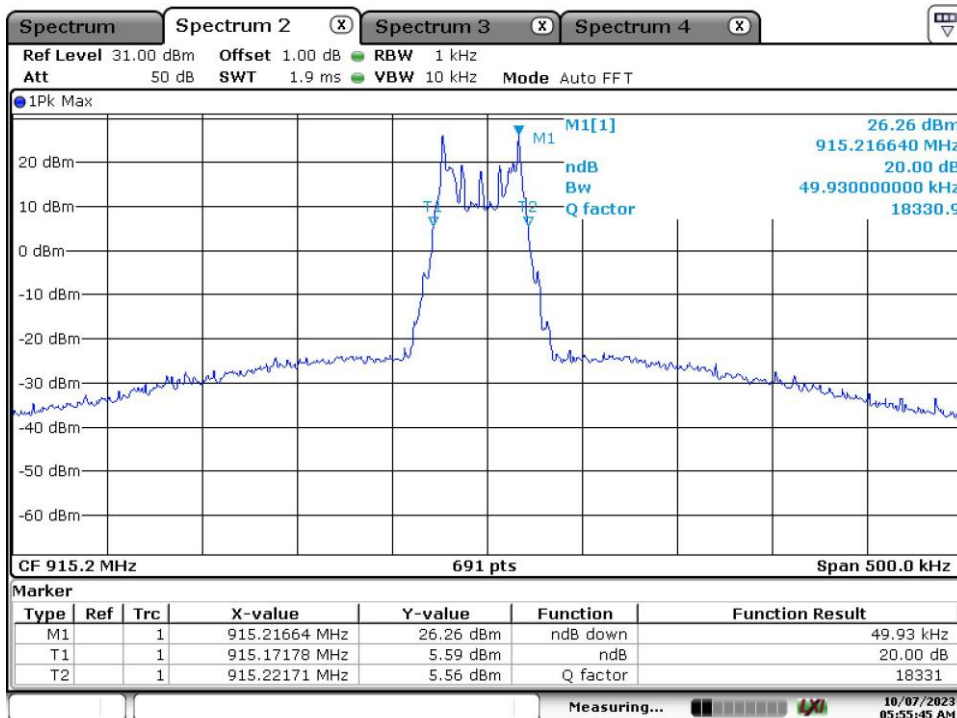


Date: 7.OCT.2023 05:51:00

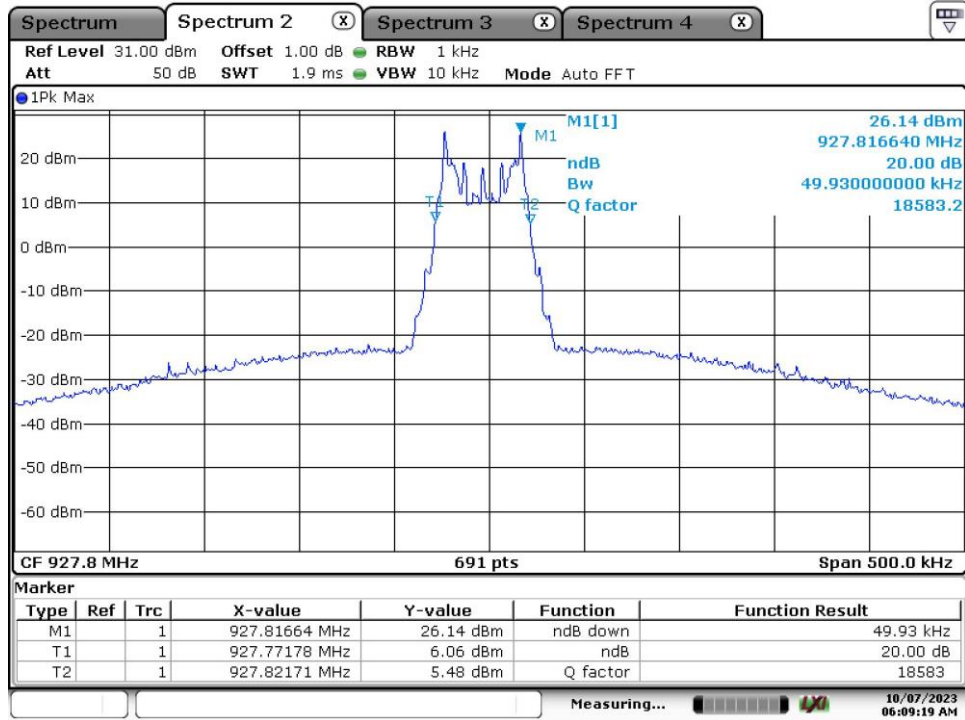
Appendix A.2: Test Results of 20dB Bandwidth



Date: 7.OCT.2023 05:55:10

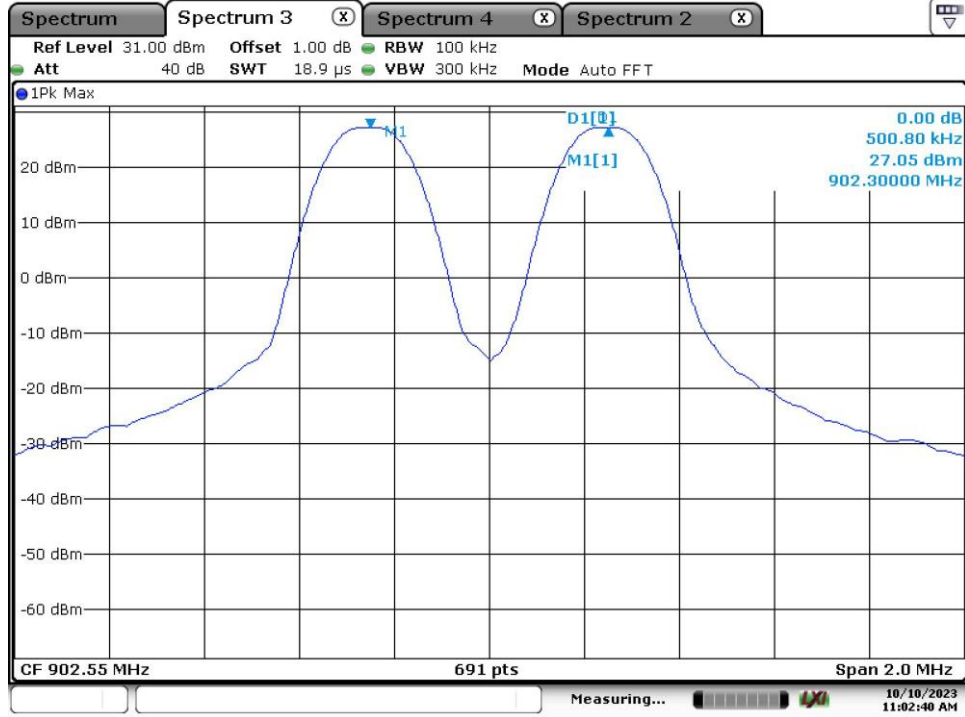


Date: 7.OCT.2023 05:55:45

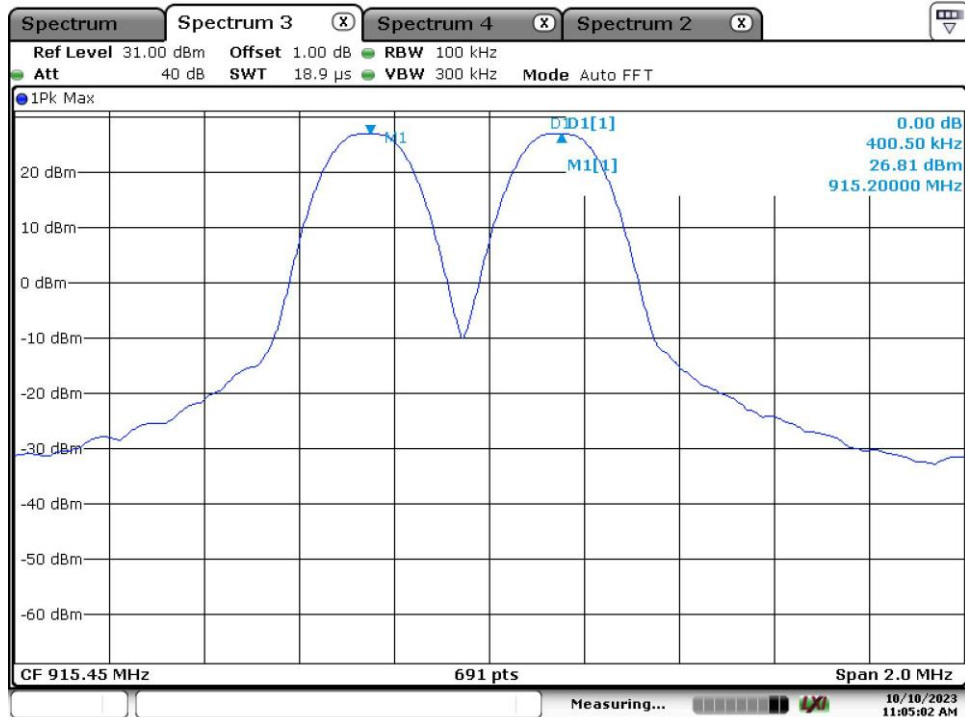


Date: 7.OCT.2023 06:09:20

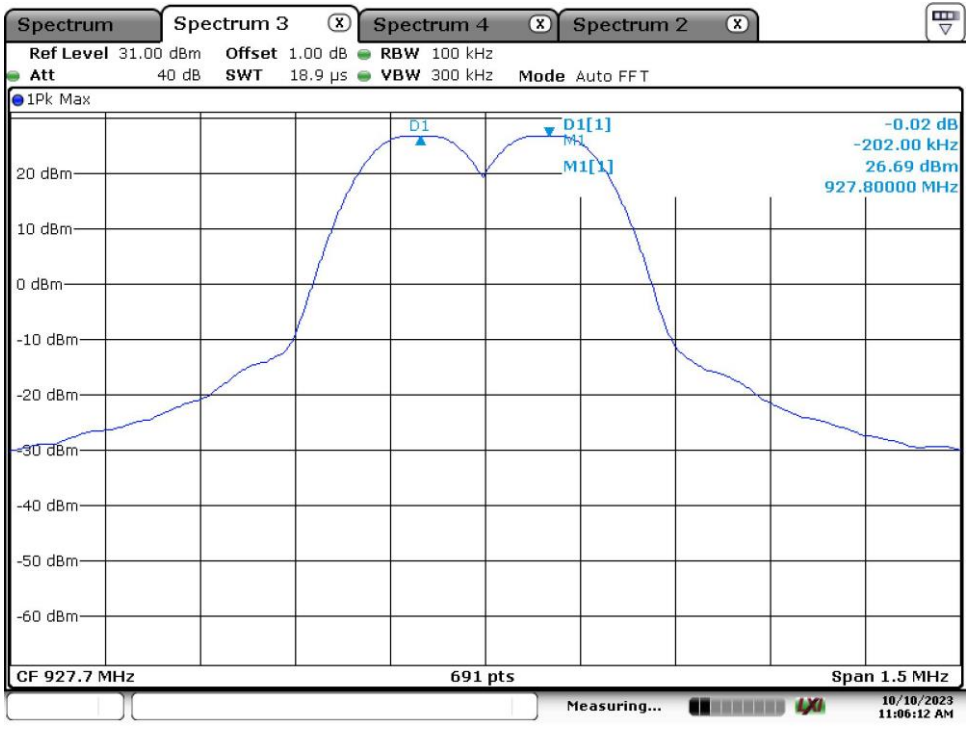
Appendix A.3: Test Results of Carrier Frequency Separation



Date: 10.OCT.2023 11:02:41

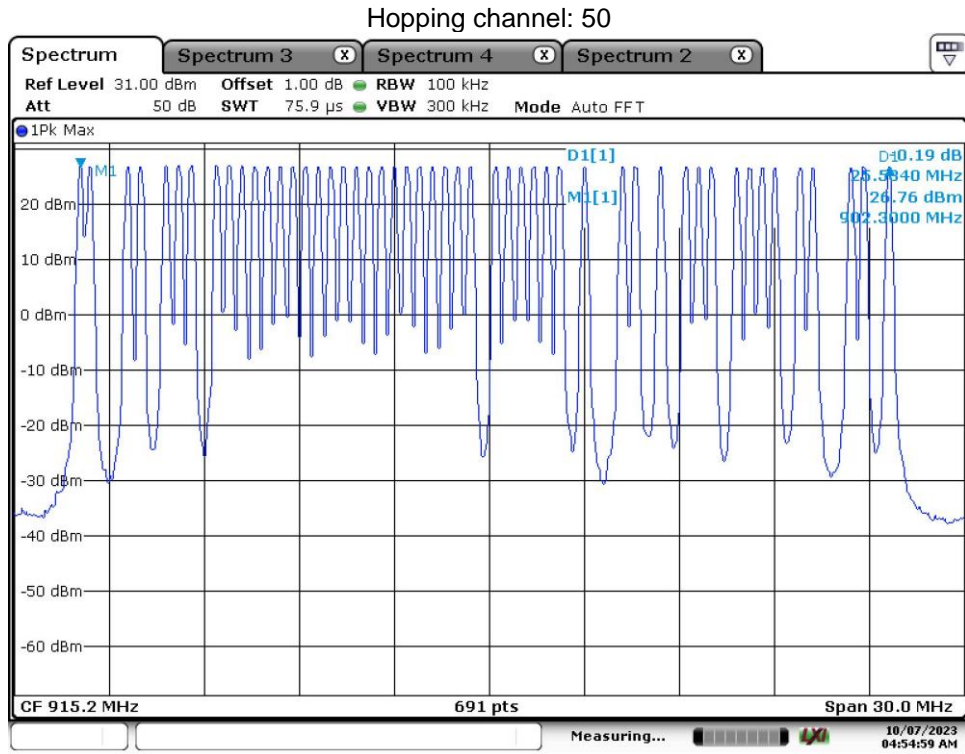


Date: 10.OCT.2023 11:05:02



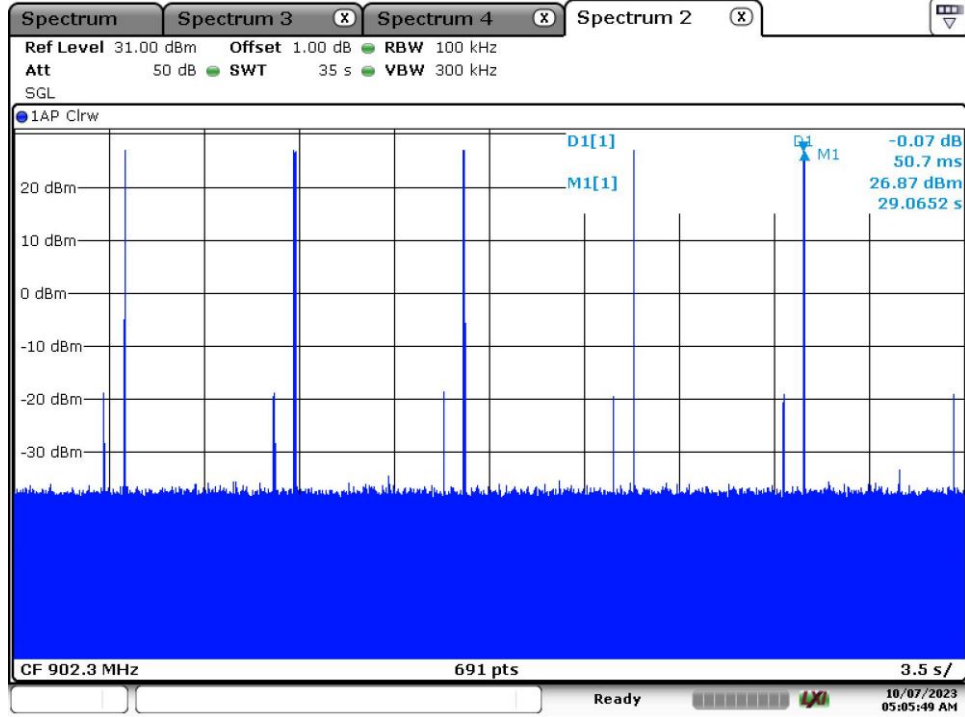
Date: 10.OCT.2023 11:06:13

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

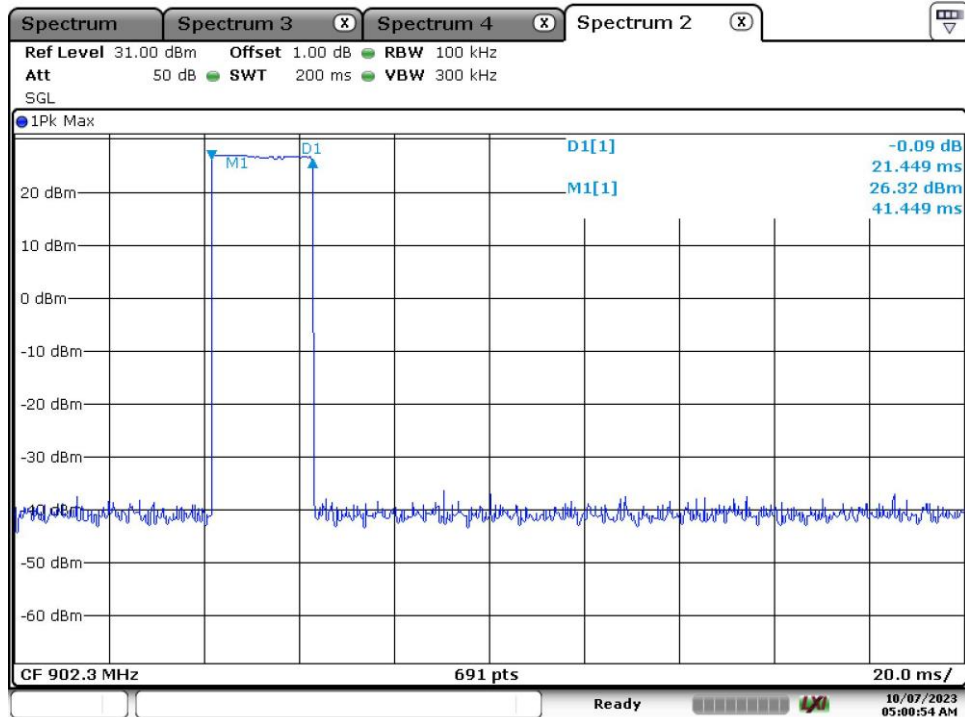


Date: 7.OCT.2023 04:54:59

Appendix A.5: Test Results of Time of Occupancy



Date: 7.OCT.2023 05:05:49

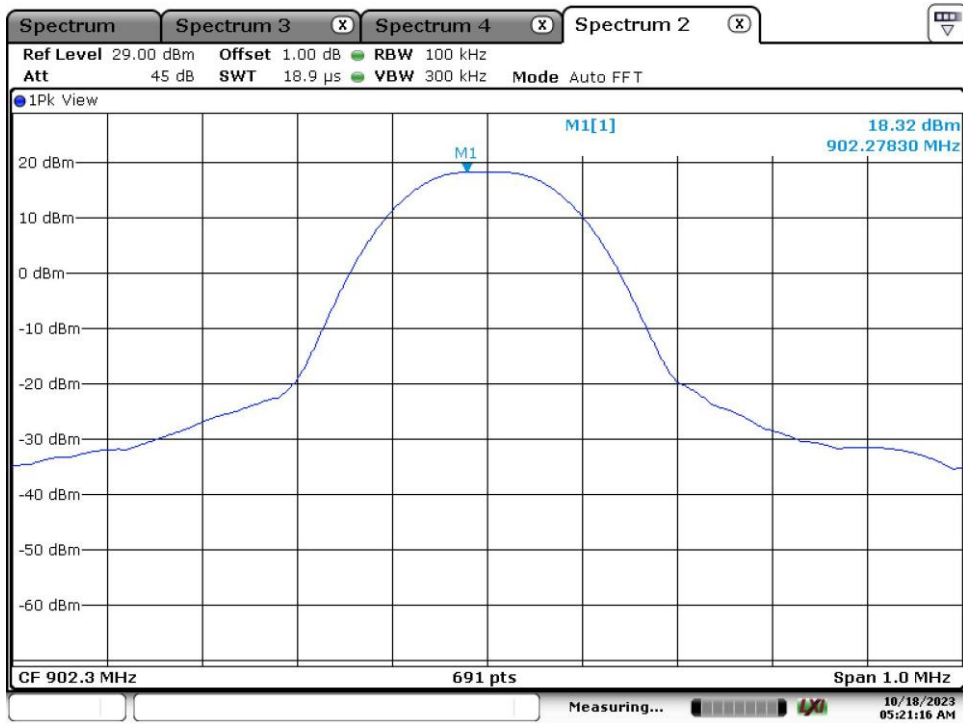


Date: 7.OCT.2023 05:00:54

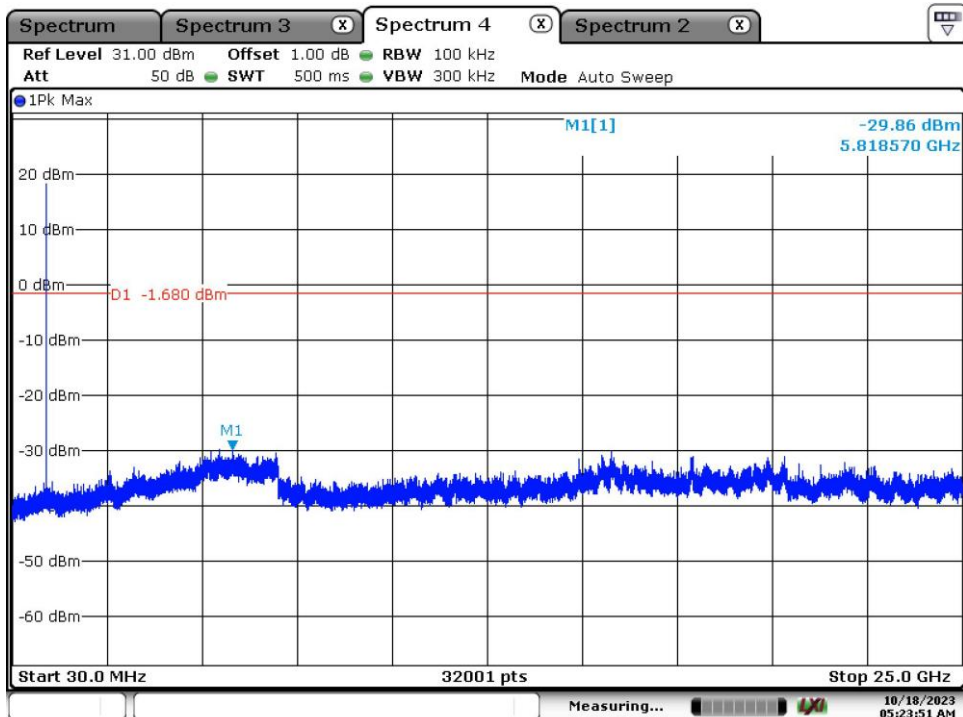
Dwell time: $5 \times 21.449\text{ms} = 0.11\text{s} < 0.4\text{s}$

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

Fixed Frequency mode
Low Channel

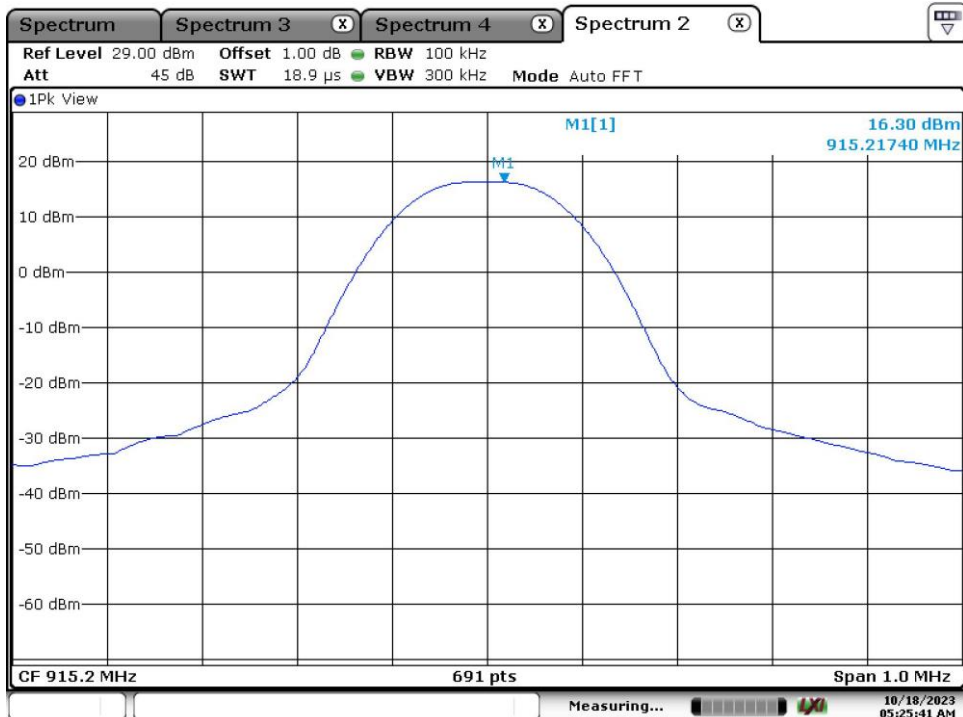


Date: 18.OCT.2023 05:21:16

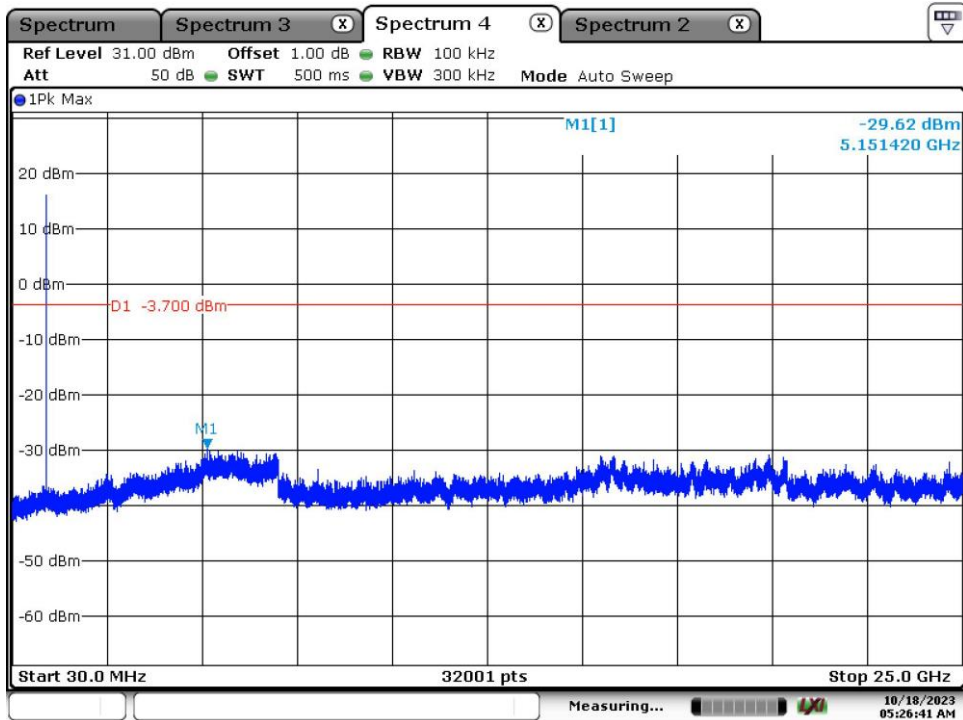


Date: 18.OCT.2023 05:23:51

Middle Channel

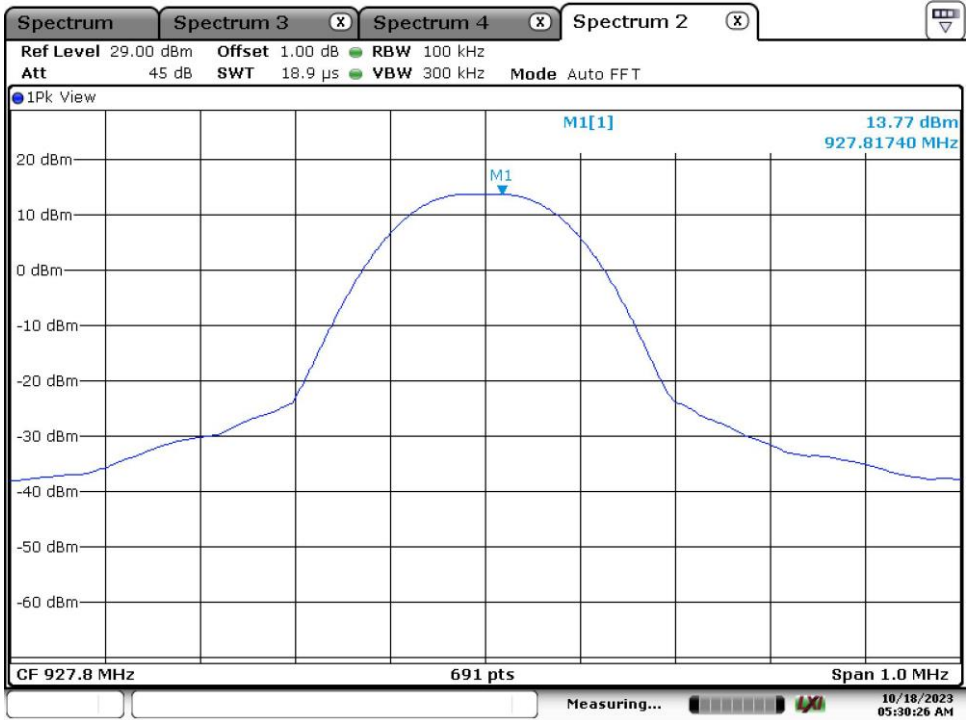


Date: 18.OCT.2023 05:25:42

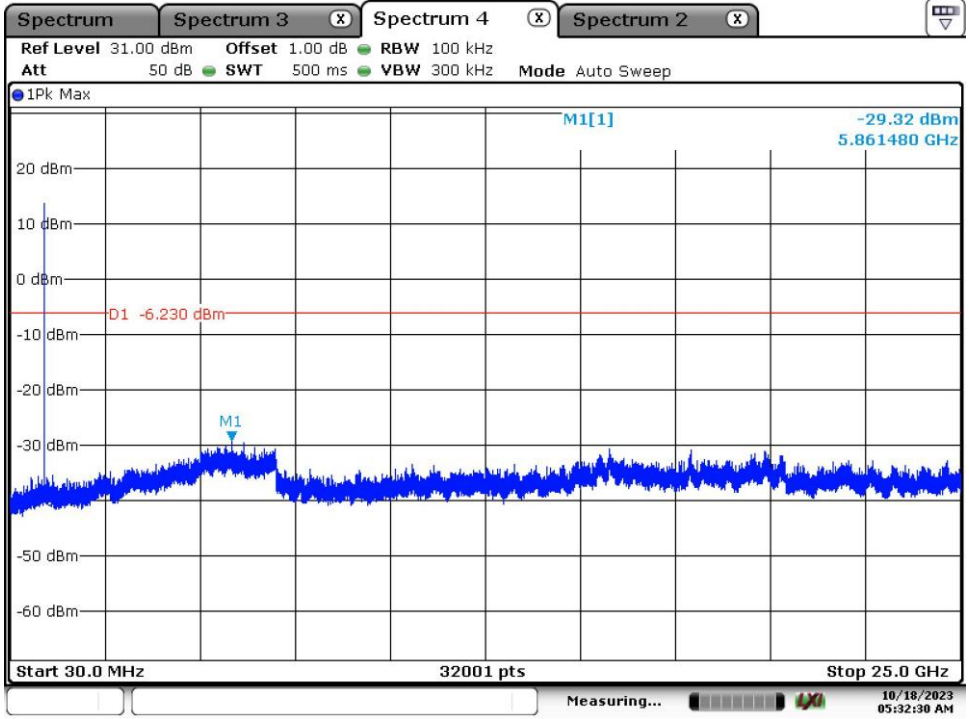


Date: 18.OCT.2023 05:26:42

High Channel

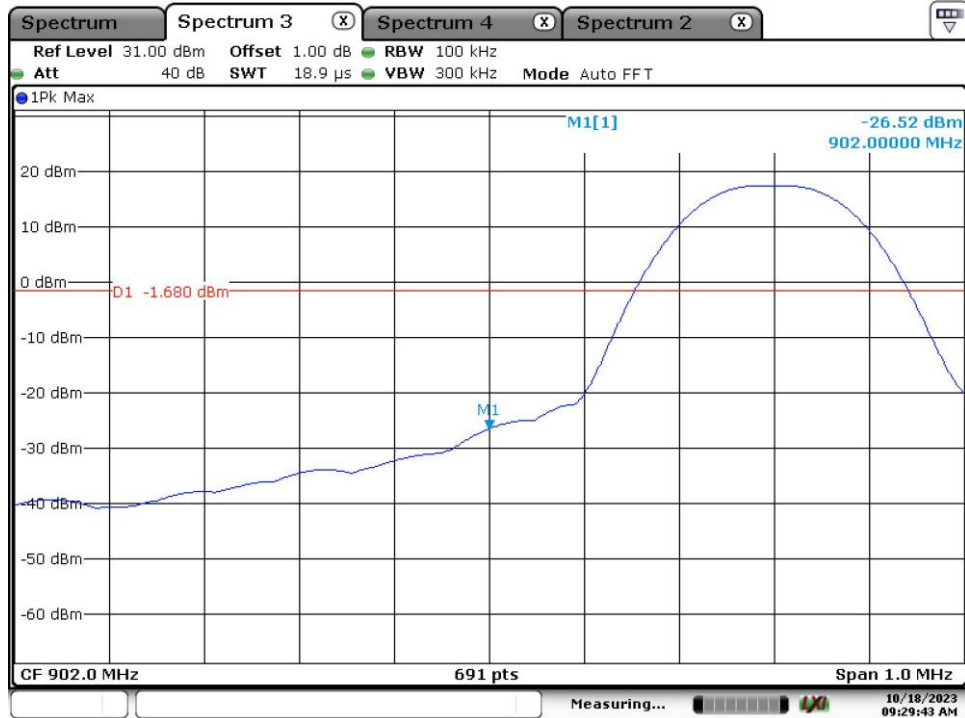


Date: 18.OCT.2023 05:30:26



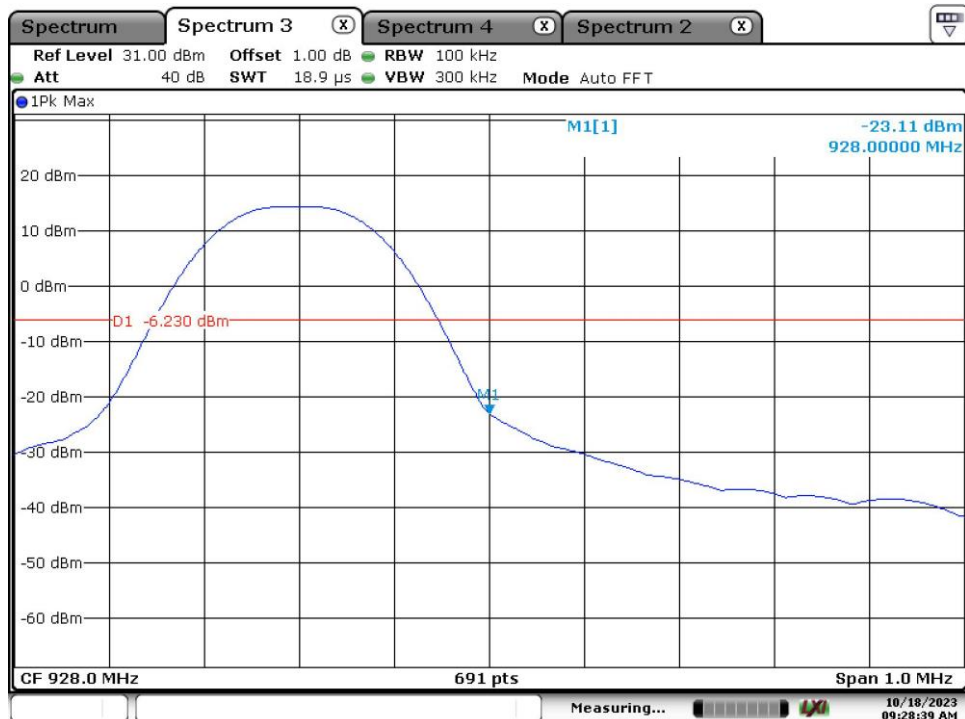
Date: 18.OCT.2023 05:32:30

Band Edge, Low Channel



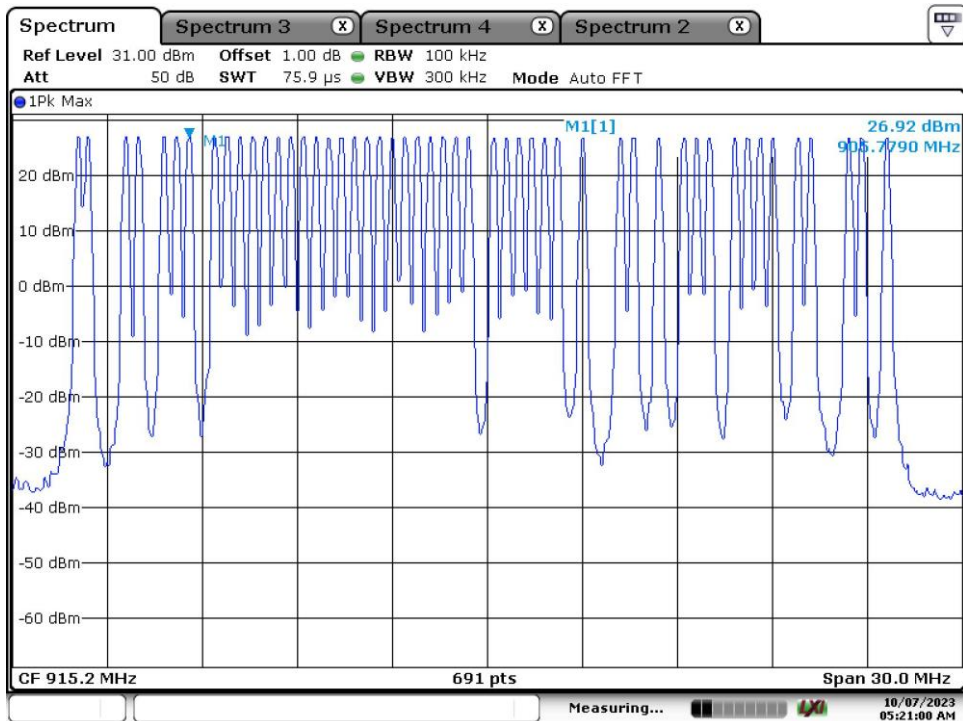
Date: 18.OCT.2023 09:29:43

Band Edge, High Channel

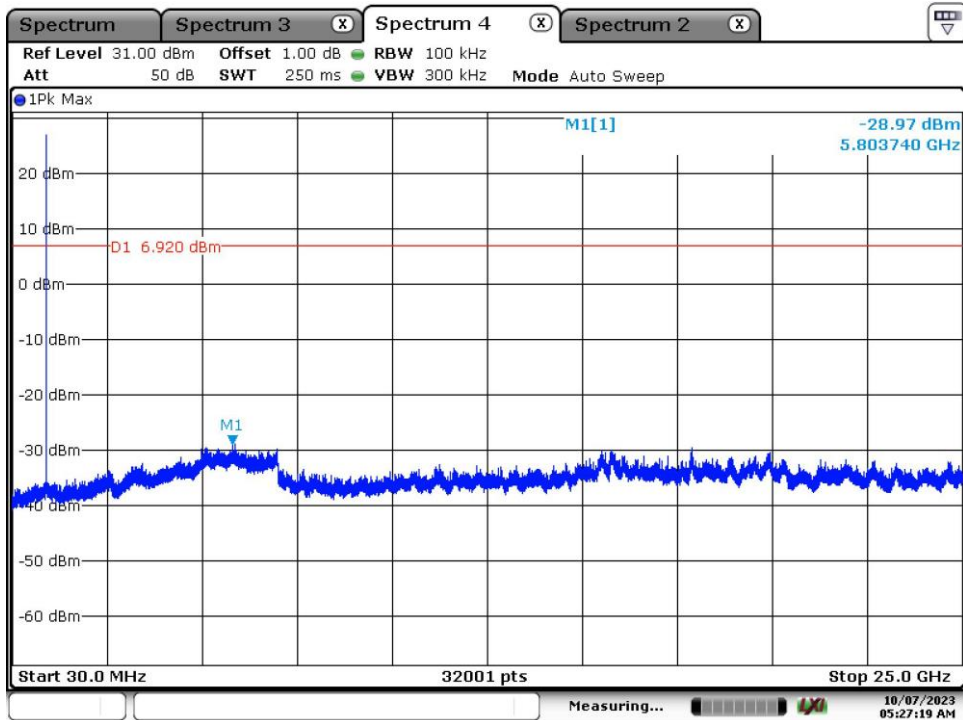


Date: 18.OCT.2023 09:28:39

Hopping Mode

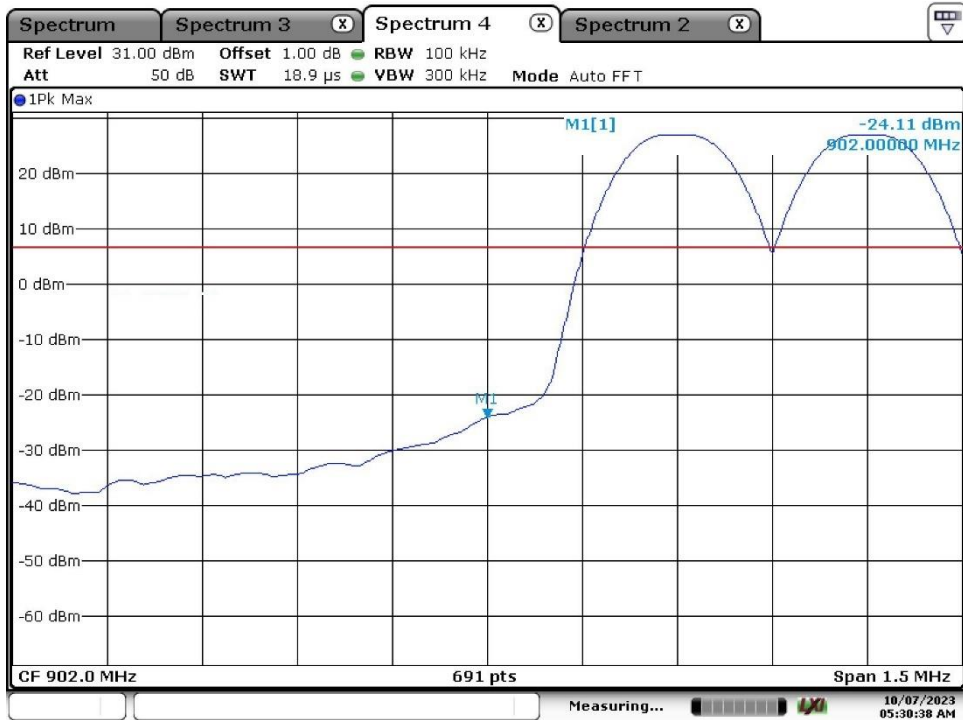


Date: 7.OCT.2023 05:21:00



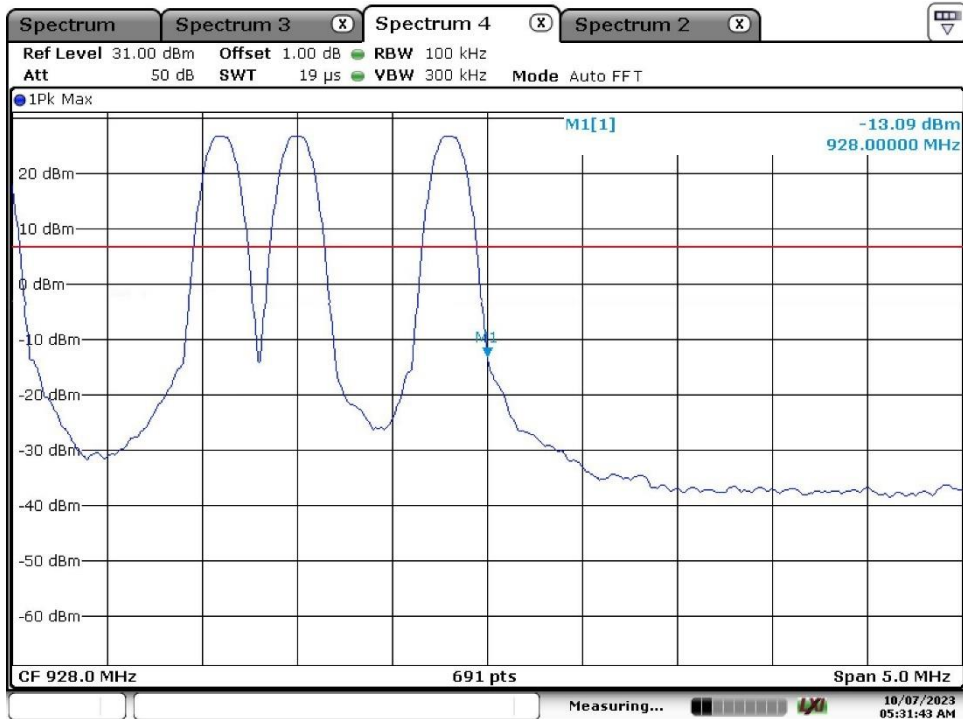
Date: 7.OCT.2023 05:27:19

Band Edge, Hopping Mode, Low Channel



Date: 7.OCT.2023 05:30:38

Band Edge, Hopping Mode, High Channle



Date: 7.OCT.2023 05:31:44

Appendix A.7: Test Results of Radiated Spurious Emissions

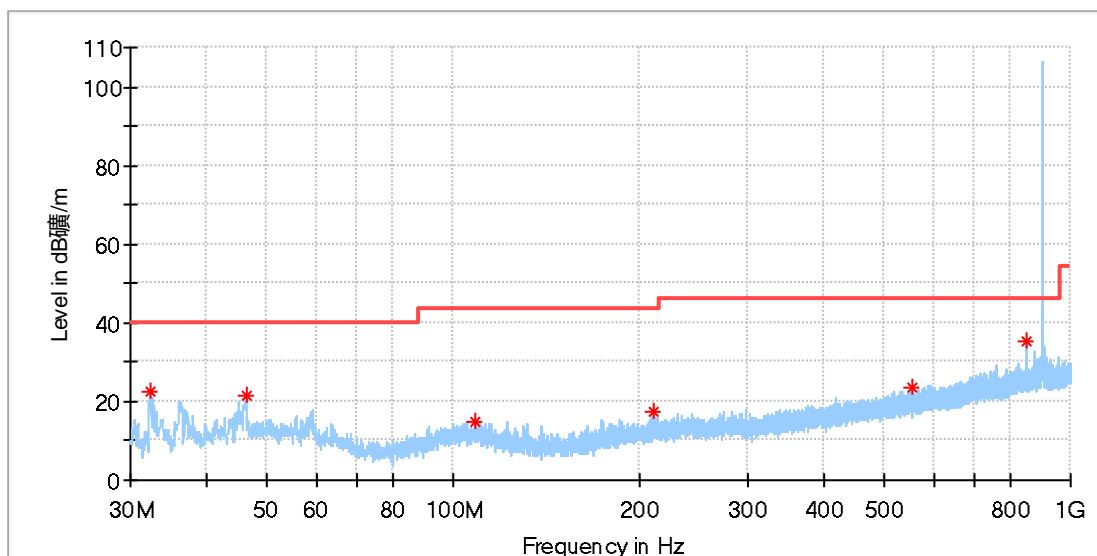
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

Note: The highest waveform in the figure is 915MHz Fundamental emissions

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	902.3MHz
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

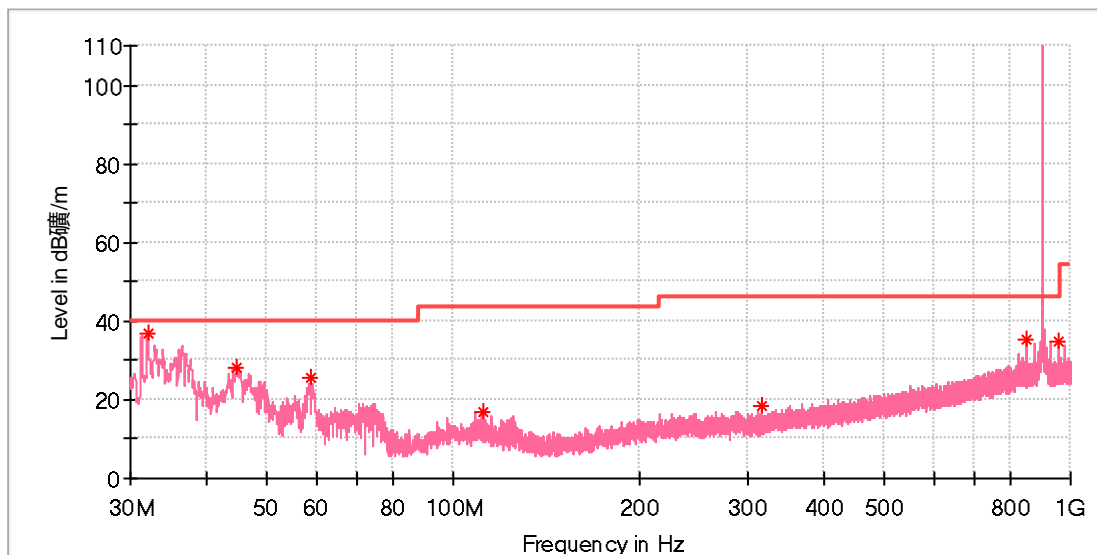
Frequency (MHz)	MaxiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.313077	22.54	40.00	17.46	100.0	H	217.0	-22.9
46.116923	21.47	40.00	18.53	100.0	H	226.0	-19.0
108.831154	14.88	43.50	28.62	100.0	H	163.0	-19.3
211.203462	17.17	43.50	26.33	100.0	H	5.0	-19.1
553.725385	23.46	46.00	22.54	100.0	H	131.0	-11.1
850.358846	35.05	46.00	10.95	100.0	H	50.0	-5.9

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 902.3MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

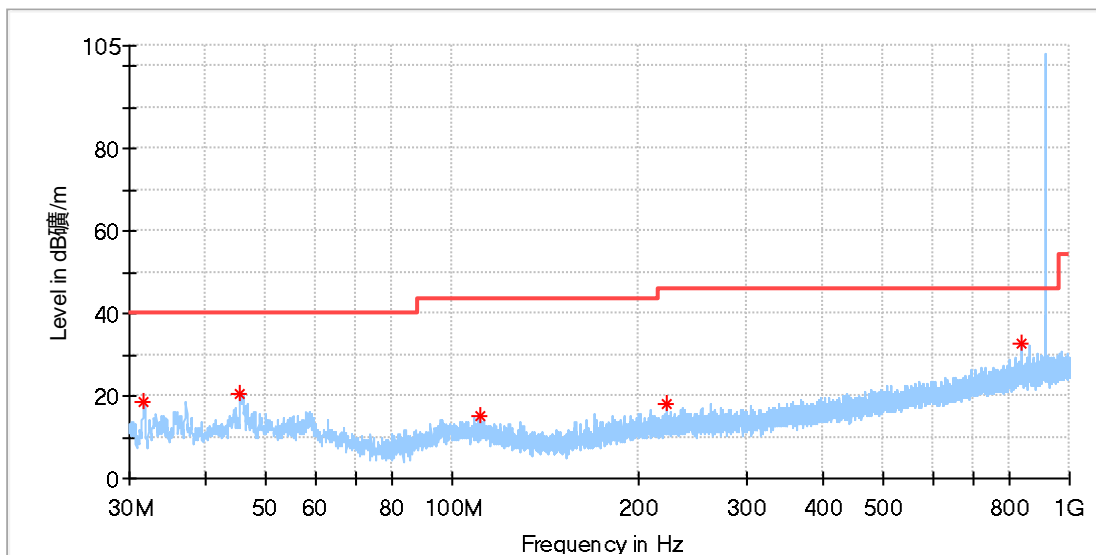
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.014615	36.75	40.00	3.25	100.0	V	284.0	-23.0
44.550000	28.04	40.00	11.96	100.0	V	94.0	-19.2
58.876154	25.47	40.00	14.53	100.0	V	24.0	-19.2
111.442692	16.99	43.50	26.51	100.0	V	223.0	-19.6
317.231923	18.47	46.00	27.53	100.0	V	175.0	-16.2
850.284231	35.35	46.00	10.65	100.0	V	72.0	-5.9
954.298077	35.00	46.00	11.00	100.0	V	354.0	-4.8

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 915.2MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

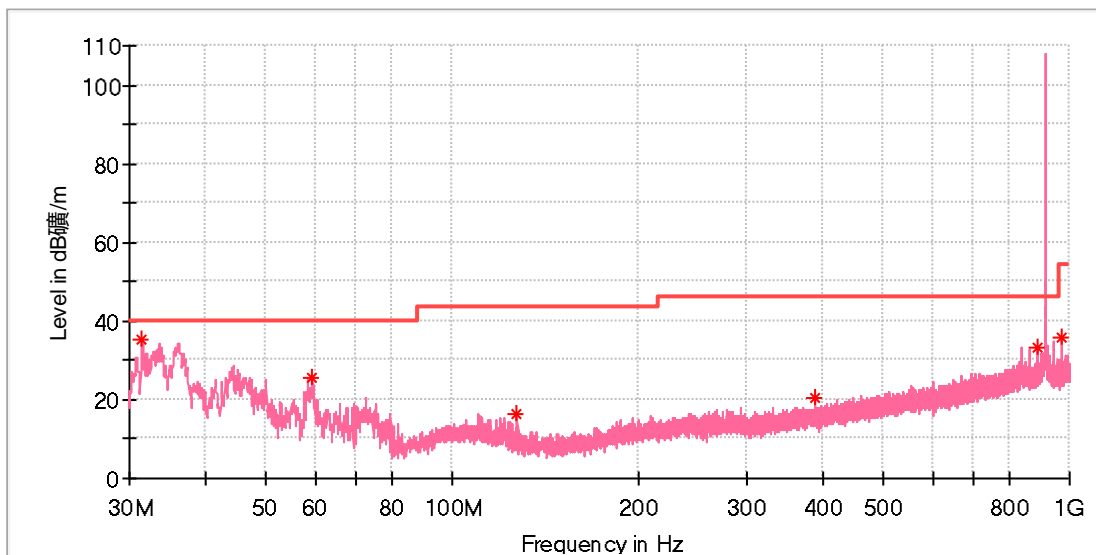
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.641539	18.43	40.00	21.57	100.0	H	282.0	-23.0
45.370769	20.72	40.00	19.28	100.0	H	241.0	-19.1
110.733846	15.26	43.50	28.24	100.0	H	152.0	-19.5
221.724231	17.98	46.00	28.02	100.0	H	0.0	-18.8
837.040000	32.83	46.00	13.17	100.0	H	47.0	-6.1

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 915.2MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

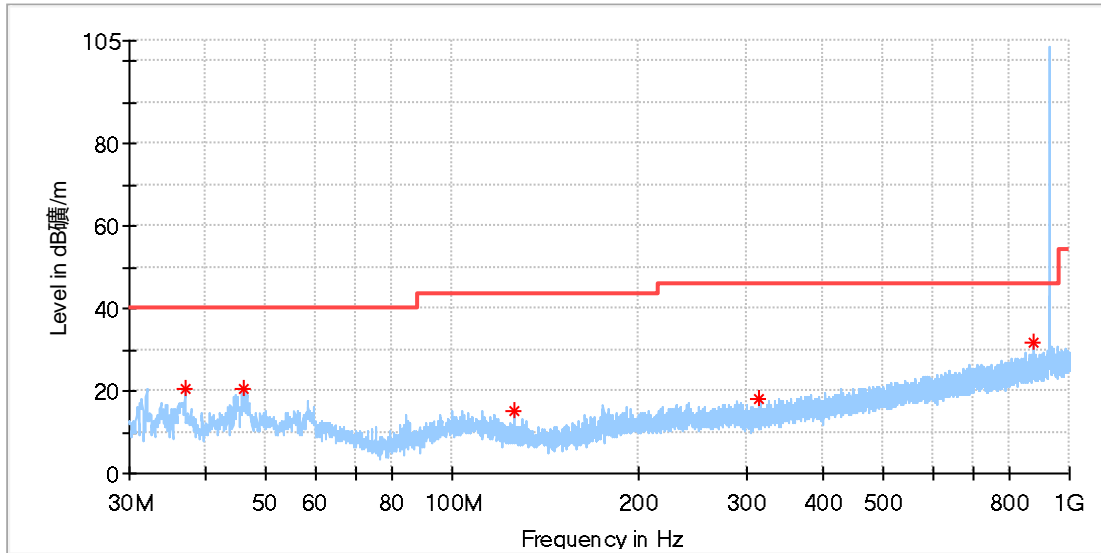
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.455000	35.07	40.00	4.93	100.0	V	156.0	-23.1
59.398462	25.46	40.00	14.54	100.0	V	173.0	-19.2
127.373077	16.45	43.50	27.05	100.0	V	222.0	-21.9
388.079231	20.40	46.00	25.60	100.0	V	327.0	-14.4
889.046923	33.49	46.00	12.51	100.0	V	2.0	-5.5
967.057308	36.03	54.00	17.97	100.0	V	17.0	-4.6

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

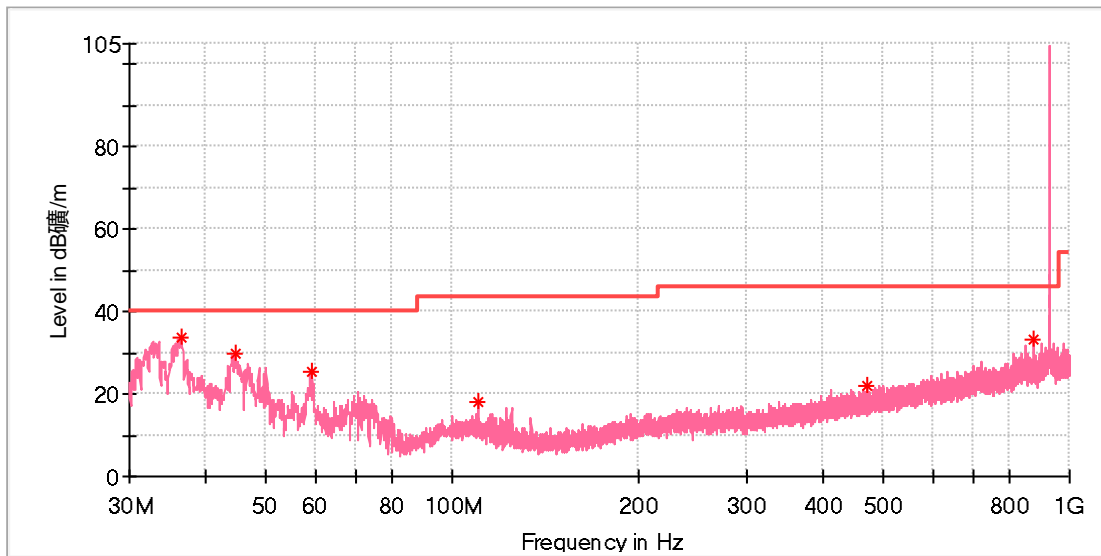
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.939231	20.70	40.00	19.30	100.0	H	249.0	-21.5
46.079615	20.39	40.00	19.61	100.0	H	201.0	-19.0
125.918077	15.35	43.50	28.15	100.0	H	120.0	-21.7
314.993462	18.11	46.00	27.89	100.0	H	177.0	-16.2
875.802692	31.85	46.00	14.15	100.0	H	290.0	-5.6

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.305000	33.68	40.00	6.32	100.0	V	306.0	-21.7
44.438077	29.63	40.00	10.37	100.0	V	111.0	-19.3
59.361154	25.55	40.00	14.45	100.0	V	136.0	-19.2
110.099615	17.96	43.50	25.54	100.0	V	261.0	-19.4
470.305385	21.84	46.00	24.16	100.0	V	16.0	-12.8
875.802692	33.43	46.00	12.57	100.0	V	48.0	-5.6

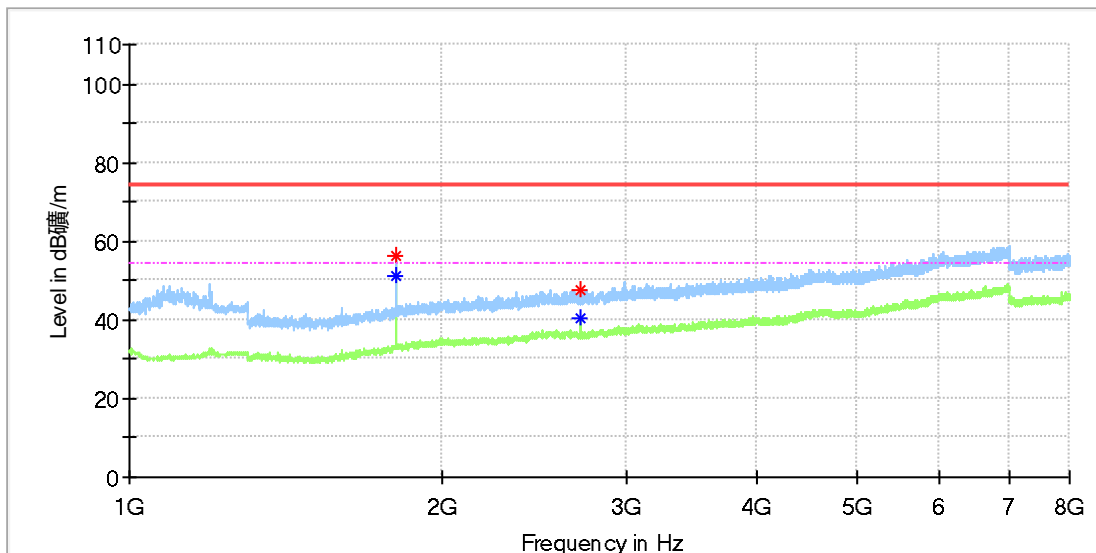
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Above 1GHz

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	902.3MHz
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

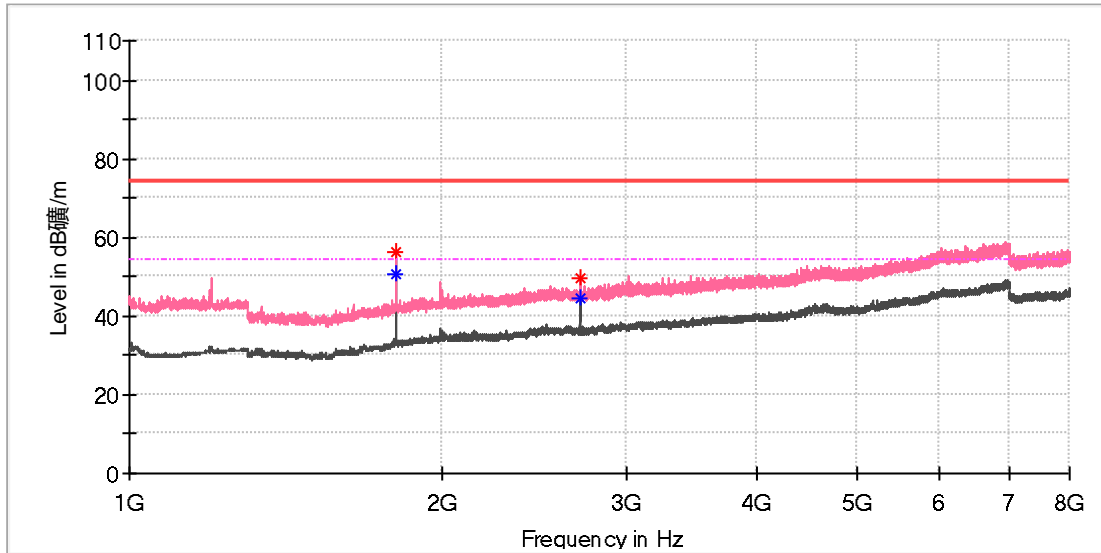
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1803.616667	---	50.97	54.00	3.03	150.0	H	123.0	4.7
1804.175000	56.17	---	74.00	17.83	150.0	H	123.0	4.7
2706.441667	47.76	---	74.00	26.24	150.0	H	250.0	7.5
2706.441667	---	40.17	54.00	13.83	150.0	H	250.0	7.5

Final Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 902.3MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

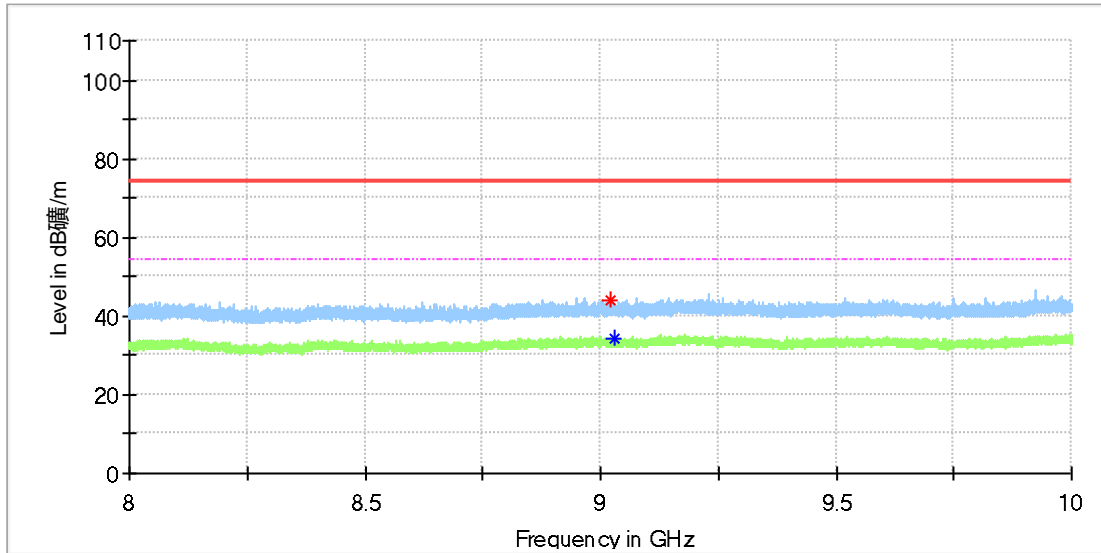
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1804.175000	56.15	---	74.00	17.85	150.0	V	306.0	4.7
1804.733333	---	50.47	54.00	3.53	150.0	V	306.0	4.8
2706.441667	---	44.62	54.00	9.38	150.0	V	316.0	7.5
2707.000000	49.42	---	74.00	24.58	150.0	V	327.0	7.6

Final Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 902.3MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

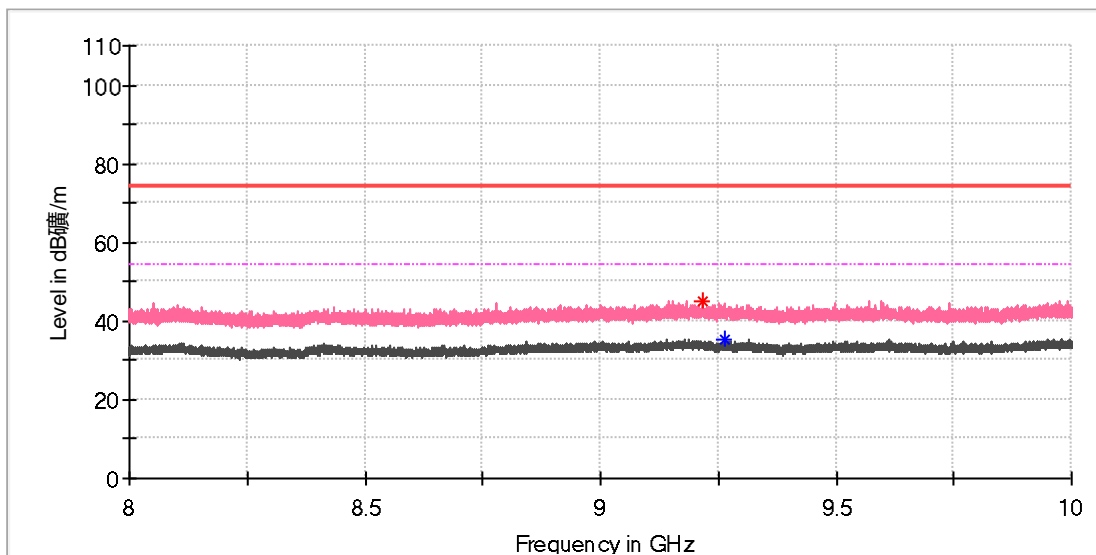
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9022.800000	43.88	---	74.00	30.12	150.0	H	281.0	9.5
9030.400000	---	34.15	54.00	19.85	150.0	H	175.0	9.5

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 902.3MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

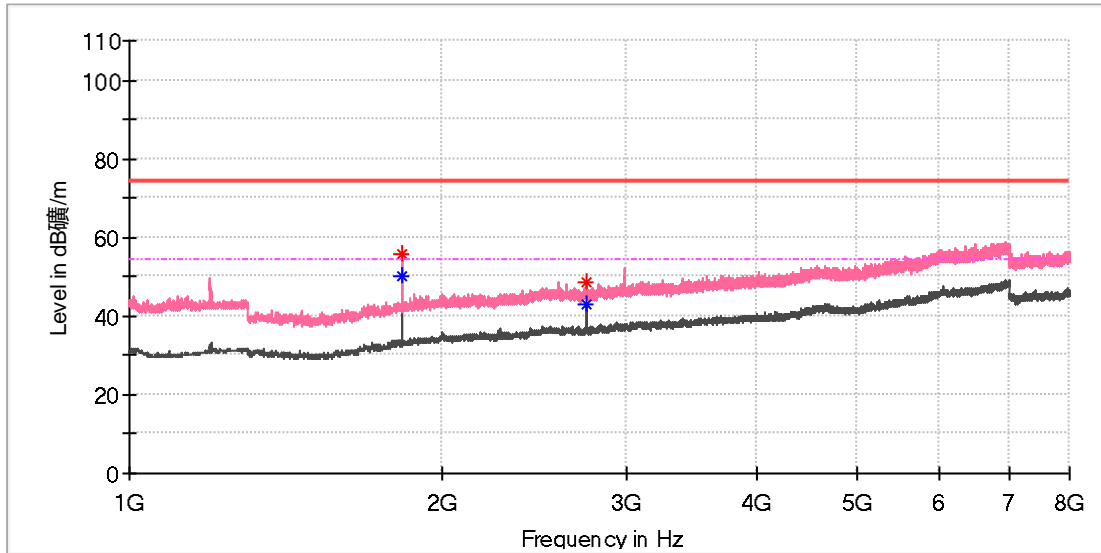
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9216.100000	45.06	---	74.00	28.94	150.0	V	132.0	10.7
9263.400000	---	35.07	54.00	18.93	150.0	V	71.0	10.4

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 915.2MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

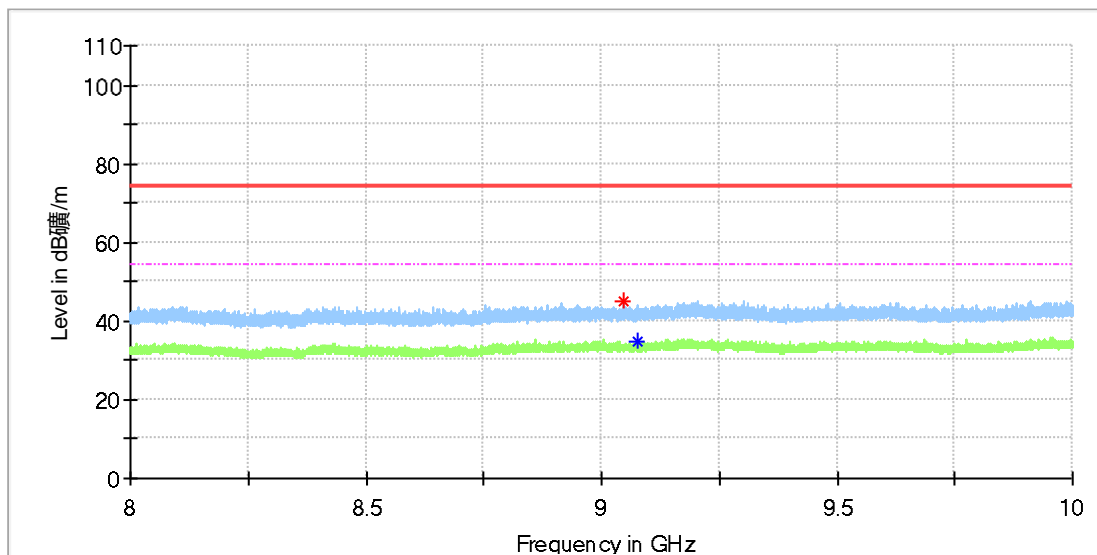
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.858333	55.96	---	74.00	18.04	150.0	V	70.0	4.9
1830.416667	---	50.23	54.00	3.77	150.0	V	61.0	4.9
2744.408333	48.56	---	74.00	25.44	150.0	V	164.0	7.8
2744.966667	---	43.15	54.00	10.85	150.0	V	70.0	7.8

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 915.2MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

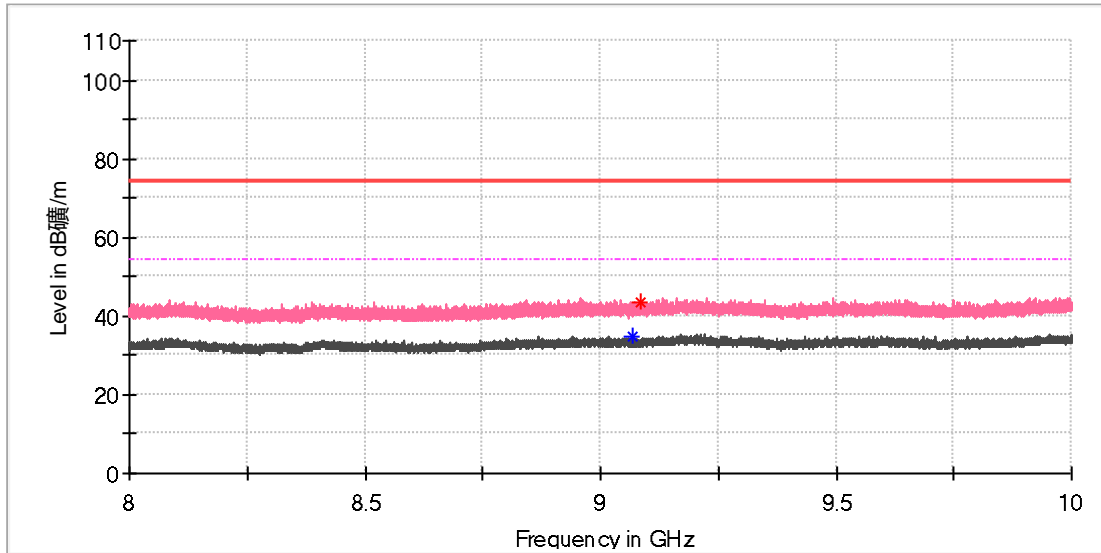
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9045.500000	44.77	---	74.00	29.23	150.0	H	0.0	9.6
9077.400000	---	34.58	54.00	19.42	150.0	H	346.0	9.8

Final_Result

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

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	915.2MHz
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

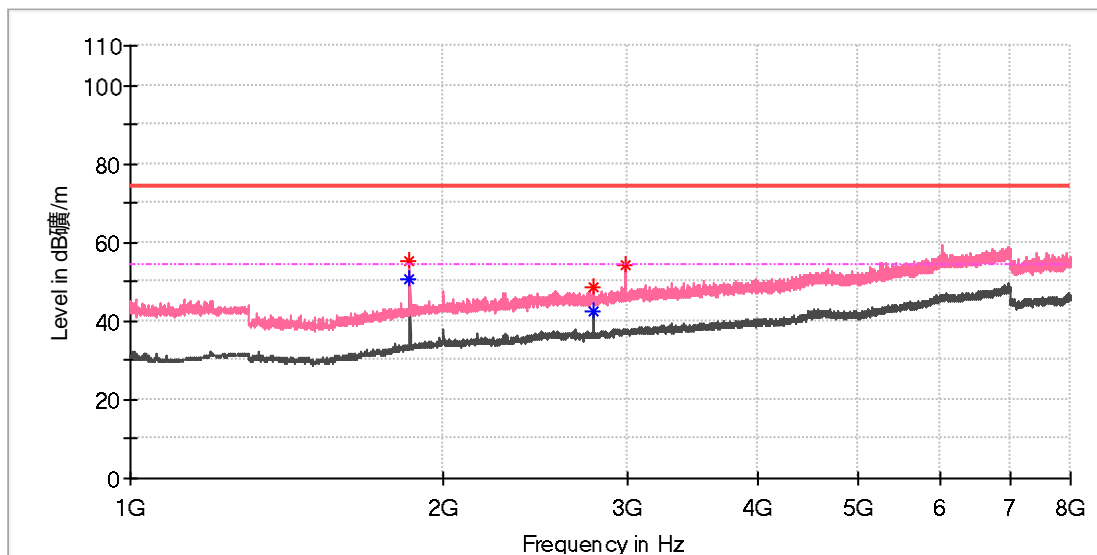
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9068.600000	---	34.73	54.00	19.27	150.0	V	192.0	9.8
9084.700000	43.72	---	74.00	30.28	150.0	V	142.0	9.9

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

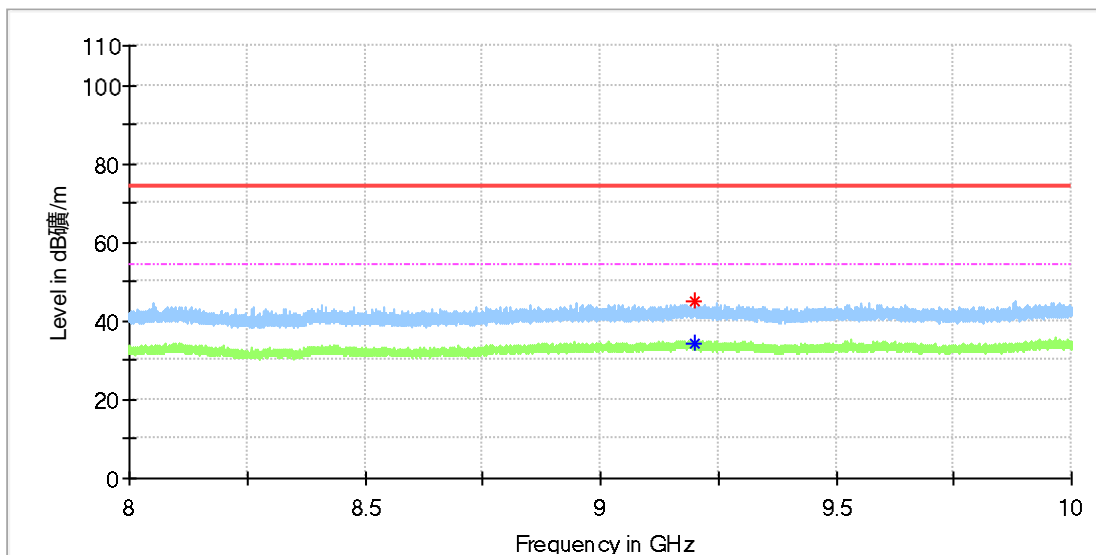
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1854.983333	55.22	---	74.00	18.78	150.0	V	60.0	5.0
1856.100000	---	50.76	54.00	3.24	150.0	V	68.0	5.1
2782.933333	---	42.39	54.00	11.61	150.0	V	208.0	7.9
2782.933333	48.48	---	74.00	25.52	150.0	V	208.0	7.9
2995.100000	54.18	---	74.00	19.82	150.0	V	226.0	8.5

Final Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: AC 120V, 60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

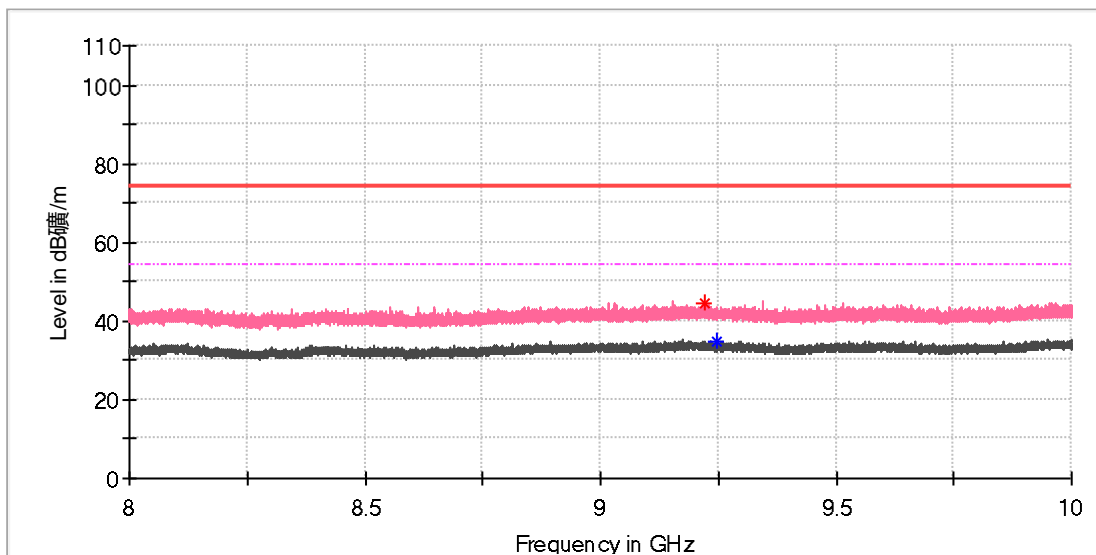
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9201.600000	---	34.53	54.00	19.47	150.0	H	0.0	10.6
9201.900000	45.02	---	74.00	28.98	150.0	H	286.0	10.6

Final Result

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

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	927.8MHz
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

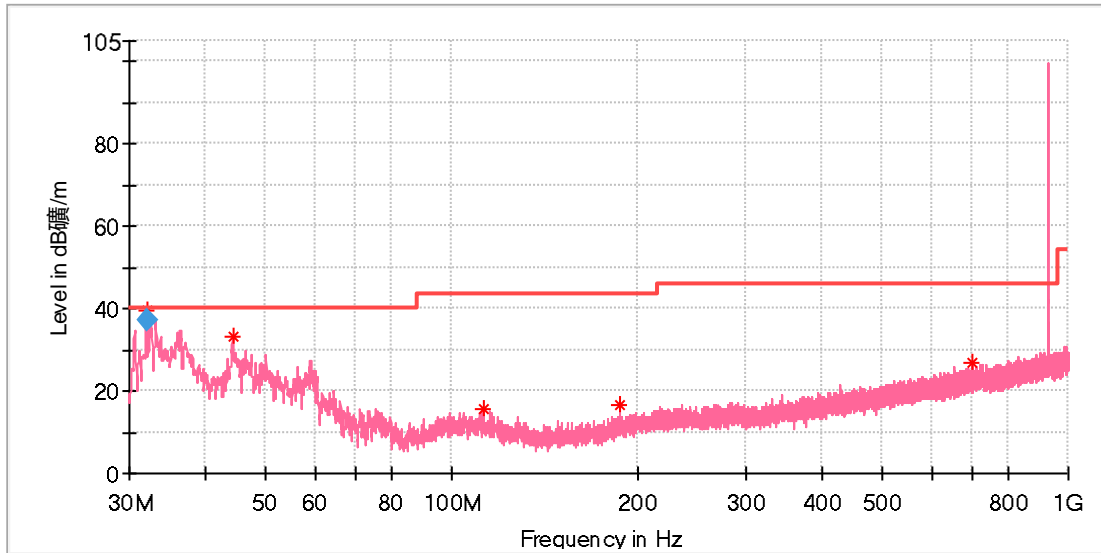
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9219.700000	44.57	---	74.00	29.43	150.0	V	27.0	10.7
9247.200000	---	34.97	54.00	19.03	150.0	V	176.0	10.6

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 902.3MHz+BLE 1M_High channel
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

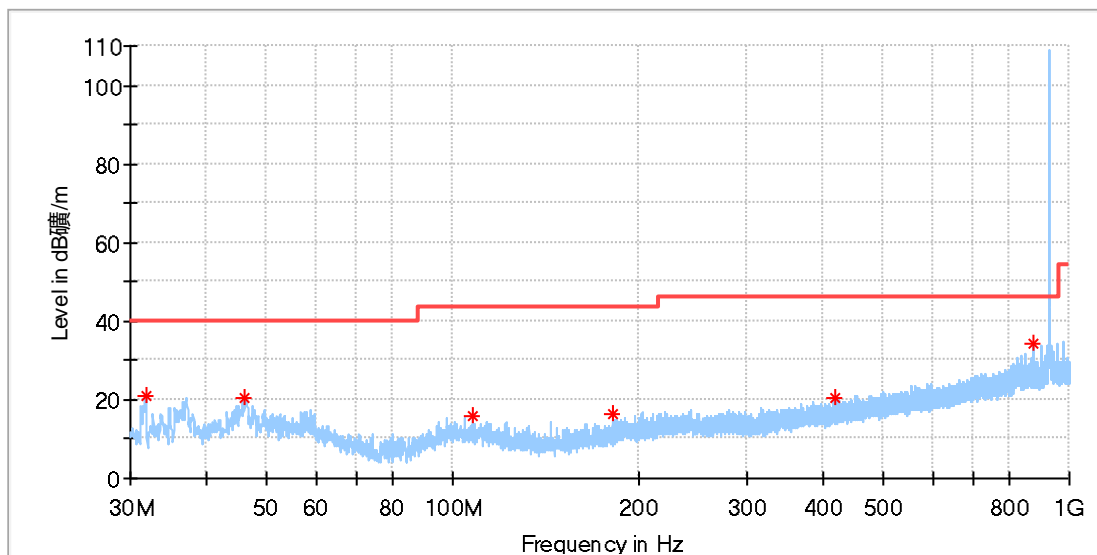
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.977308	39.66	40.00	0.34	100.0	V	0.0	-23.0
44.139615	33.43	40.00	6.57	100.0	V	83.0	-19.3
112.524615	15.55	43.50	27.95	100.0	V	227.0	-19.7
187.662308	16.44	43.50	27.06	100.0	V	338.0	-20.1
696.986923	26.96	46.00	19.04	100.0	V	156.0	-8.5

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.980693	36.92	40.00	3.08	105.0	V	-5.0	-23.0

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	902.3MHz+WIFI 2.4G_11b_Ch1
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

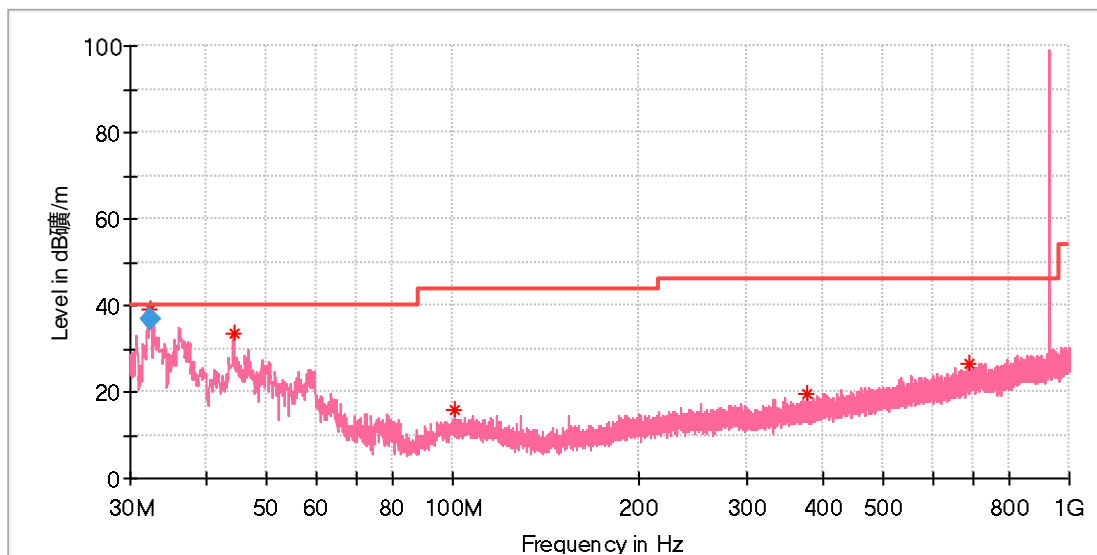
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.753462	20.94	40.00	19.06	100.0	H	1.0	-23.0
46.005000	20.54	40.00	19.46	100.0	H	311.0	-19.0
107.376154	15.74	43.50	27.76	100.0	H	1.0	-19.2
182.028846	16.54	43.50	26.96	100.0	H	41.0	-20.6
415.985385	20.46	46.00	25.54	100.0	H	202.0	-13.8
875.802692	34.42	46.00	11.58	100.0	H	74.0	-5.6

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	902.3MHz+WIFI 2.4G_11b_Ch1
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.313077	38.88	40.00	1.12	100.0	V	236.0	-22.9
44.102308	33.59	40.00	6.41	100.0	V	106.0	-19.3
100.623462	15.95	43.50	27.55	100.0	V	163.0	-19.3
375.991539	19.37	46.00	26.63	100.0	V	24.0	-14.6
687.473462	26.44	46.00	19.56	100.0	V	188.0	-8.6

Final Result

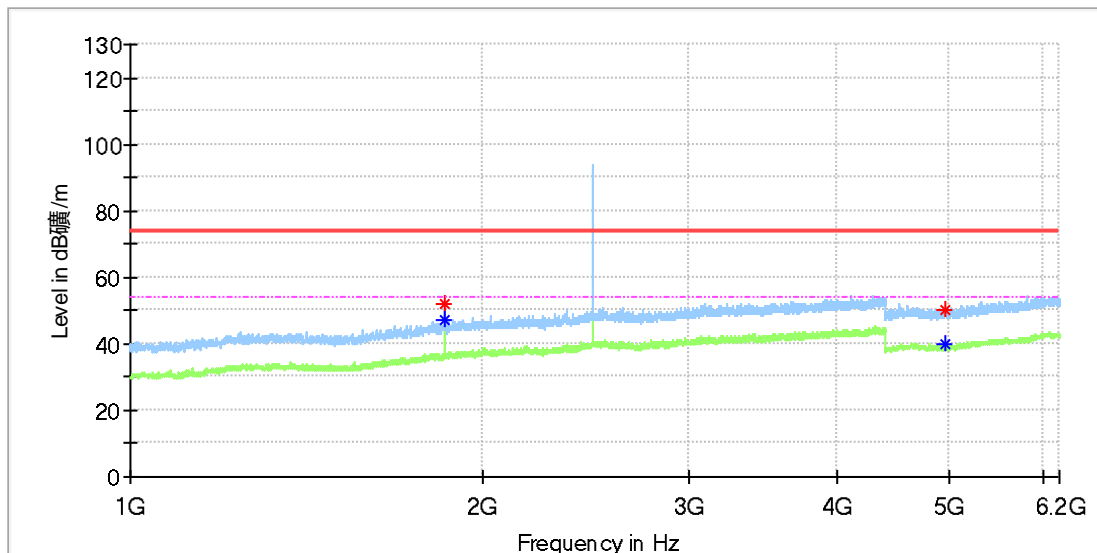
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.313077	36.88	40.00	3.12	100.0	V	234.0	-23.0

Above 1GHz for co-location

Note: The highest waveform in the figure is Fundamental and/or harmonics frequency.

EUT Information

EUT Name:	Digital Transmitter
Model:	MMS100
Test Mode:	927.8MHz+BLE 1M_High channel
Order No/Sample No:	168442437/A003564242-002
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C, RSS-247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

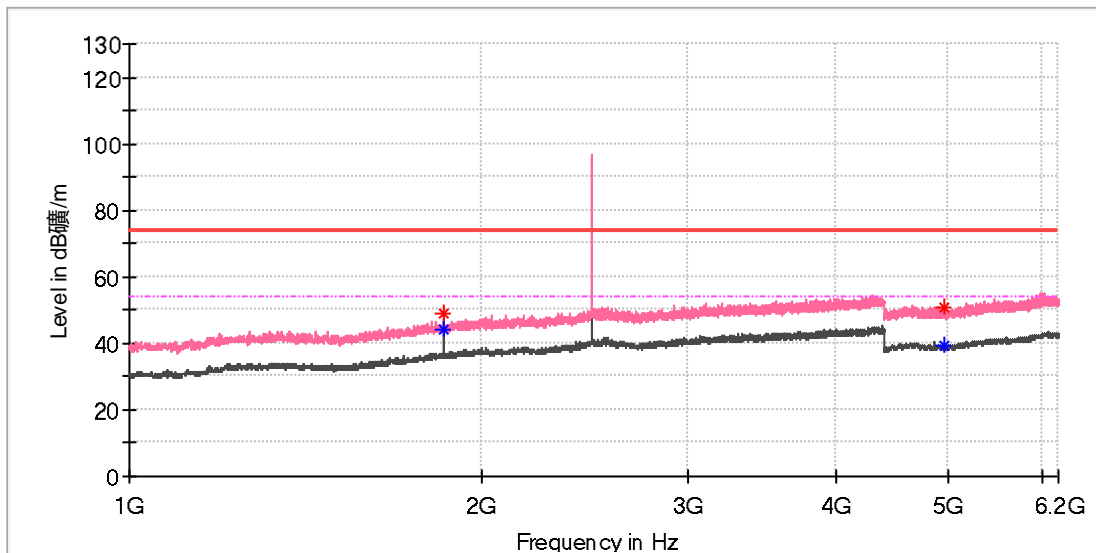
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.500000	52.17	---	74.00	21.83	150.0	H	109.0	5.0
1856.000000	---	46.96	54.00	7.04	150.0	H	105.0	5.1
4955.000000	50.42	---	74.00	23.58	150.0	H	295.0	11.8
4962.000000	---	39.69	54.00	14.31	150.0	H	288.0	11.8

Final Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz+BLE 1M_High channel
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

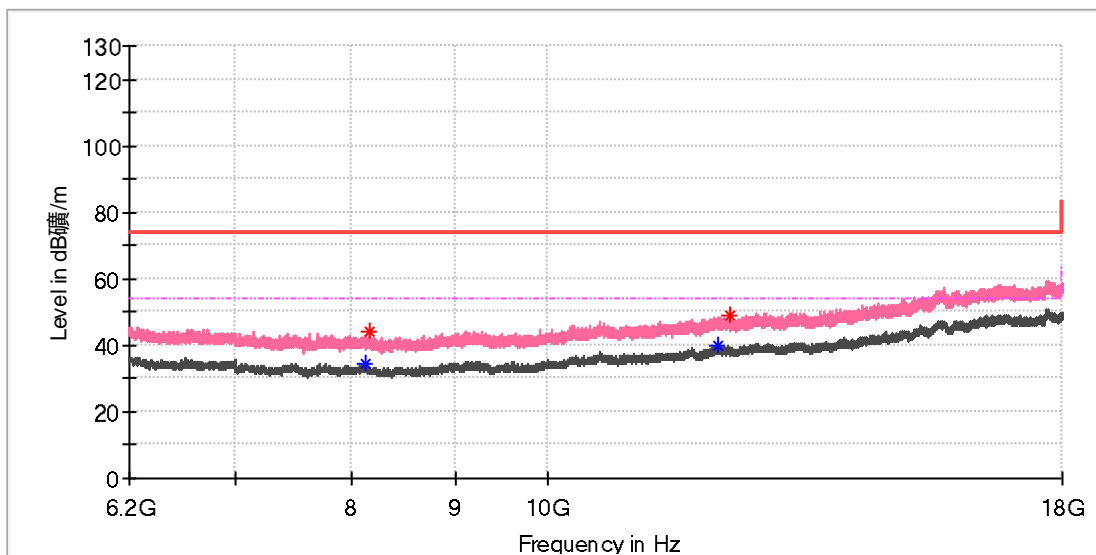
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.000000	49.10	---	74.00	24.90	150.0	V	150.0	5.0
1856.000000	---	44.06	54.00	9.94	150.0	V	157.0	5.1
4956.000000	---	39.46	54.00	14.54	150.0	V	217.0	11.8
4962.000000	50.77	---	74.00	23.23	150.0	V	164.0	11.8

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz+BLE 1M_High channel
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

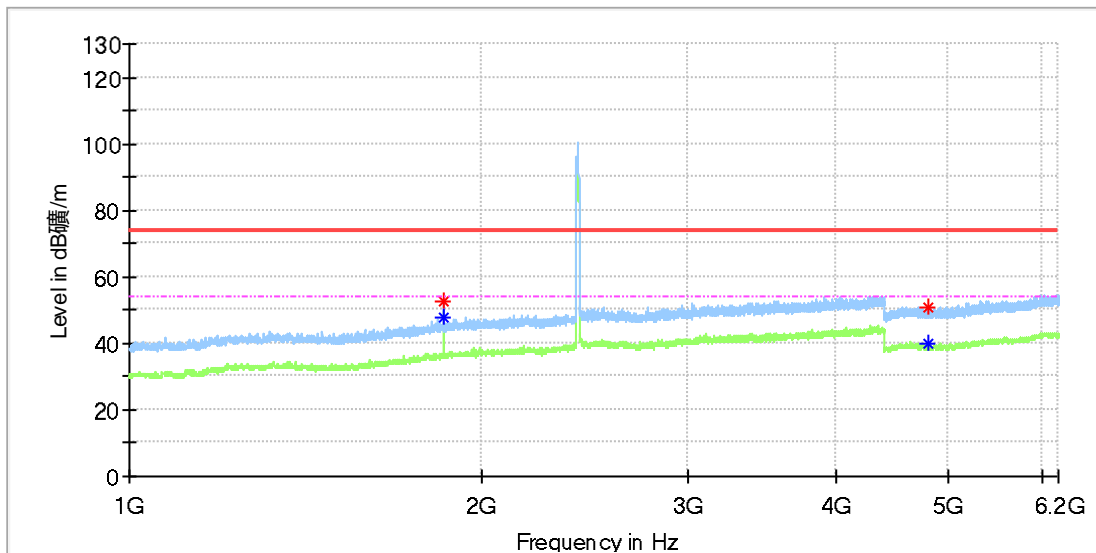
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8128.808333	---	34.23	54.00	19.77	150.0	V	288.0	9.0
8159.291667	44.21	---	74.00	29.79	150.0	V	203.0	9.0
12143.758333	---	40.02	54.00	13.98	150.0	V	142.0	14.4
12307.975000	48.90	---	74.00	25.10	150.0	V	95.0	14.9

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz+WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

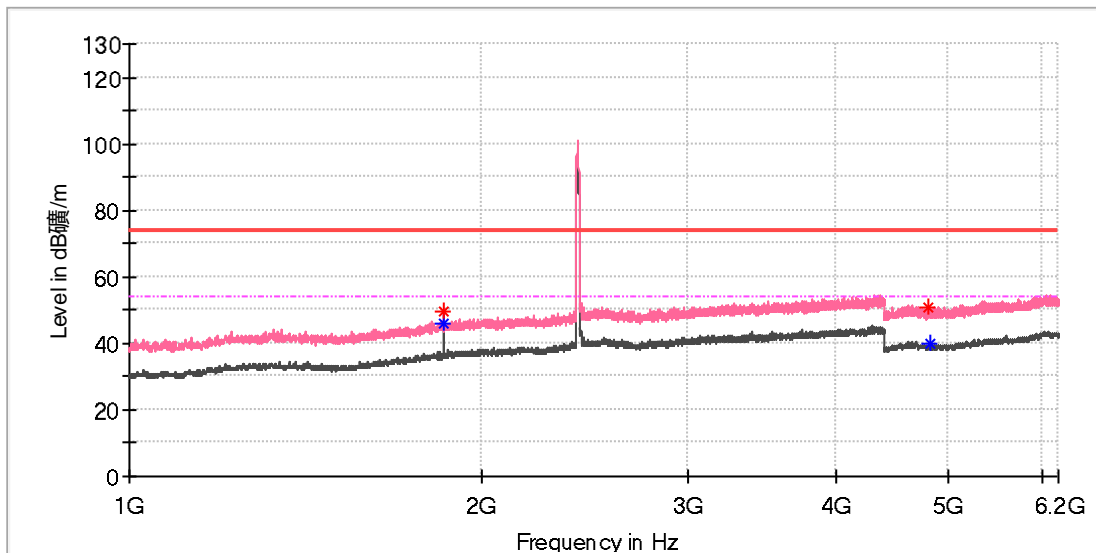
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.000000	---	47.71	54.00	6.29	150.0	H	313.0	5.0
1855.500000	52.40	---	74.00	21.60	150.0	H	313.0	5.0
4802.000000	---	39.95	54.00	14.05	150.0	H	301.0	11.8
4809.000000	50.89	---	74.00	23.11	150.0	H	322.0	11.8

Final Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz+WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

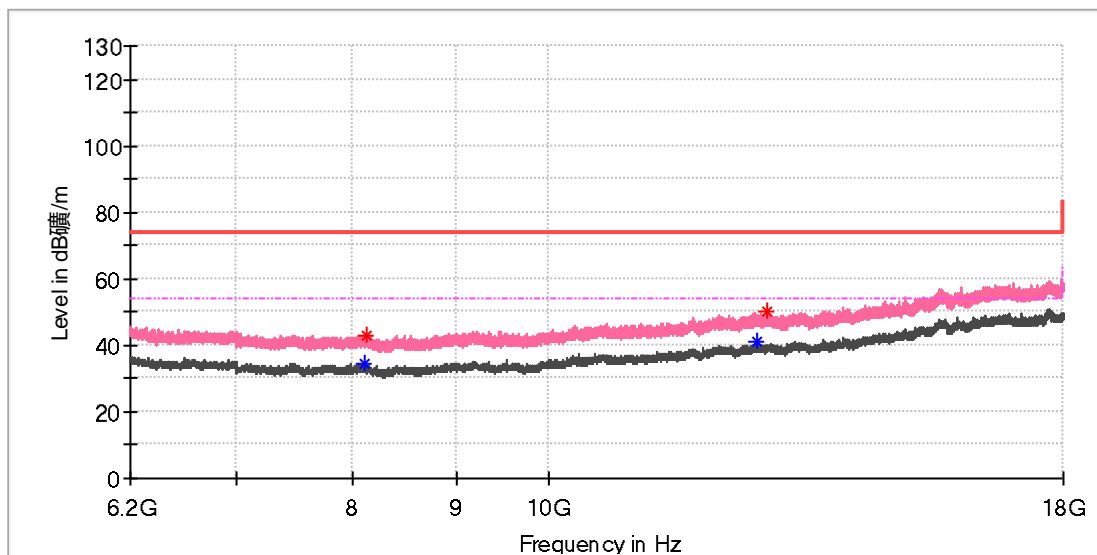
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1855.500000	49.87	---	74.00	24.13	150.0	V	196.0	5.0
1855.500000	---	45.84	54.00	8.16	150.0	V	196.0	5.0
4794.000000	50.90	---	74.00	23.10	150.0	V	303.0	11.8
4824.000000	---	40.07	54.00	13.93	150.0	V	50.0	11.8

Final_Result

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

EUT Information

EUT Name: Digital Transmitter
 Model: MMS100
 Test Mode: 927.8MHz+WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168442437/A003564242-002
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC Part 15C, RSS-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)
8104.225000	---	34.44	54.00	19.56	150.0	V	147.0	8.9
8113.566667	42.94	---	74.00	31.06	150.0	V	221.0	8.9
12684.591667	---	41.24	54.00	12.76	150.0	V	159.0	15.1
12837.991667	49.89	---	74.00	24.11	150.0	V	159.0	15.3

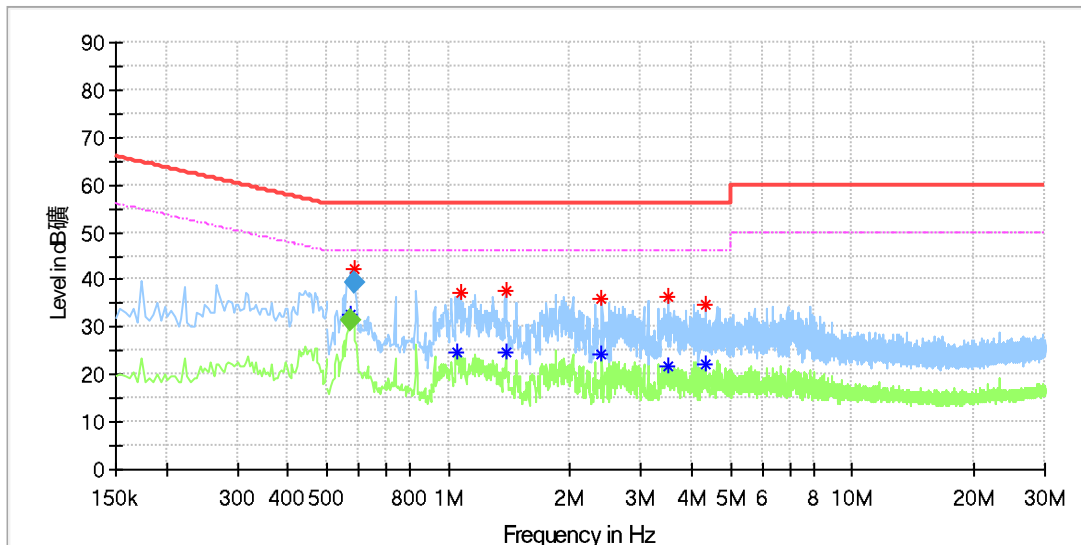
Final_Result

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

Appendix A.8: Test Results of Conducted Emission

EUT Information

EUT Name:	Digital Transmitter
Order Number:	168442437
Model:	MMS100
Test Mode:	Normal working
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part15, RSS-GEN
Test By:/Review By:	Dawn Shen/Gary Chen
Tem./Hum./Pressure:	24.3°C/52.4%/101kPa
Remark:	SR1



Critical_Freqs

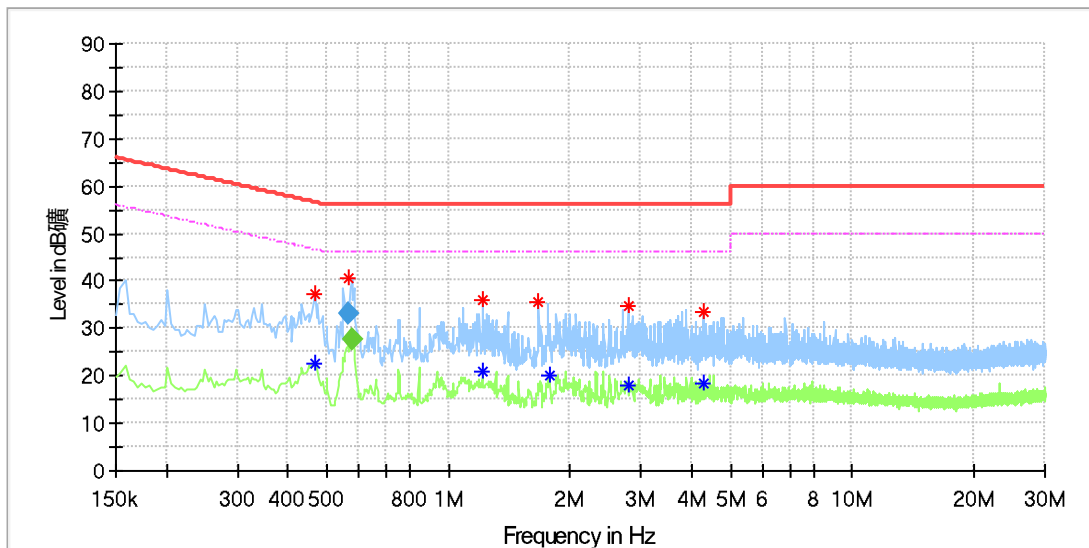
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.570500	---	32.64	46.00	13.36	L1	9.9
0.582500	42.07	---	56.00	13.93	L1	9.9
1.052000	---	24.63	46.00	21.37	L1	9.7
1.076000	37.16	---	56.00	18.84	L1	9.7
1.384000	37.52	---	56.00	18.48	L1	9.8
1.384000	---	24.73	46.00	21.27	L1	9.8
2.400000	---	24.45	46.00	21.55	L1	9.9
2.400000	36.11	---	56.00	19.90	L1	9.9
3.488000	---	21.91	46.00	24.09	L1	10.0
3.504000	36.36	---	56.00	19.64	L1	10.0
4.336000	---	22.09	46.00	23.91	L1	10.0
4.336000	34.84	---	56.00	21.16	L1	10.0

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.570500	---	31.48	46.00	14.52	1000.0	9.000	L1	9.9
0.582500	39.45	---	56.00	16.55	1000.0	9.000	L1	9.9

EUT Information

EUT Name: Digital Transmitter
 Order Number: 168442437
 Model: MMS100
 Test Mode: Normal working
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part15, RSS-GEN
 Test By./Review By: Dawn Shen/Gary Chen
 Tem./Hum./Pressure: 24.3°C/52.4%/101kPa
 Remark: SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.466000	---	22.59	46.59	23.99	N	9.7
0.466000	37.16	---	56.59	19.42	N	9.7
0.566500	40.51	---	56.00	15.49	N	9.7
0.578500	---	28.16	46.00	17.84	N	9.7
1.216000	---	20.99	46.00	25.01	N	9.7
1.216000	36.01	---	56.00	19.99	N	9.7
1.672000	35.64	---	56.00	20.36	N	9.9
1.772000	---	20.13	46.00	25.87	N	9.9
2.780000	34.83	---	56.00	21.17	N	10.0
2.800000	---	18.04	46.00	27.96	N	10.0
4.264000	---	18.34	46.00	27.66	N	10.0
4.264000	33.45	---	56.00	22.55	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.566500	33.08	---	56.00	22.92	1000.0	9.000	N	9.7
0.578500	---	27.84	46.00	18.16	1000.0	9.000	N	9.7