

TEST RECORDS

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PART 1
TEST INFORMATION

1 General

Configuration	Description
Radiated Test Date	Date of Receipt Sample : 2021-11-22 Start Date of Test: 2021-11-26 End Date of Test: 2021-11-27

2 Auxiliary Facilities Supporting Tests

NOTE: The EUT was tested together with other necessary auxiliary facilities so as to form representative EUT installation configurations and test setup configurations during the tests.

Facility	Manufacturer	Model	Identification	Remark
BNC Cable	HBTE Technologies Co.,Ltd.	18DLC280-BNCJSM-2000	SMA(male) - BNC(male)	--
Optical Cable	--	--	2Port	--
Optical Module	Huawei	SFP28-25G-1310nm-10km-SMMTRA-3E31A	25G SFP	--
Load	HBTE Technologies Co.,Ltd.	HBTE-CT010-6-SM-17	10W Load	--
Test Master	Zillink	25G Test Master	25G SFP	--
Power Supply (DC)	WANPTEK	NPS605W	--	Supply power for Test Master

PART 2

TEST PLANS

3 Test Environments

NOTE: The values used in tests may be stringent than that of declared.

Test Environment #	Temperature	Voltage	Relative Humidity
NTNV	See Ambient Environment	-48 VDC	See Ambient Environment

4 EUT Configurations

Conf. No.	Total output power [W]	Power Level Per CH Per Carrier [dBm]	No. of Carriers	Carrier BW [MHz]	SCS [KHz]	Carrier Center Freq. [MHz]		
						Bottom	Middle	Top
1	40	27.96	1	20	30	3710	3840	3970
2	80	30.97	1	40	30	3720	3840	3960
3	120	32.73	1	60	30	3730	3840	3950
4	160	33.98	1	80	30	3740	3840	3940
5	200	34.95	1	100	30	3750	3840	3930
6	80	27.96	2	20	30	3710 + 3730	3710 + 3970 (No-continuous)	3950 + 3970
7	160	30.97	2	40	30	3720 + 3760	3720 + 3960 (No-continuous)	3920 + 3960
8	240	32.73	2	60	30	3730 + 3790	3730 + 3950 (No-continuous)	3890 + 3950
9	265	33.16	2	80	30	3740 + 3820	3740 + 3940 (No-continuous)	3860 + 3940
10	265	33.16	2	100	30	3750 + 3850	3750 + 3930 (No-continuous)	3830 + 3930
11	80	27.96	2	20	30	3710 + 3730	3830 + 3850	3950 + 3970
12	160	30.97	2	40	30	3720 + 3760	3820 + 3860	3920 + 3960
13	240	32.73	2	60	30	3730 + 3790	3810 + 3870	3890 + 3950
14	265	33.16	2	80	30	3740 + 3820	3800 + 3880	3860 + 3940
15	265	33.16	2	100	30	3750 + 3850	3790 + 3890	3830 + 3930

5 Test Configurations

No.	Test Item	Test Environment	EUT Config.	Test Model	Measured CH
1	FIELD STRENGTH OF SPURIOUS RADIATION	NTNV	Conf. No. 1, Conf. No. 5 Conf. No. 15*	TM1.1	All CH

*Note: Conf.No.15 only test Middle frequency.

PART 3
TEST RESULTS

6 Result Table

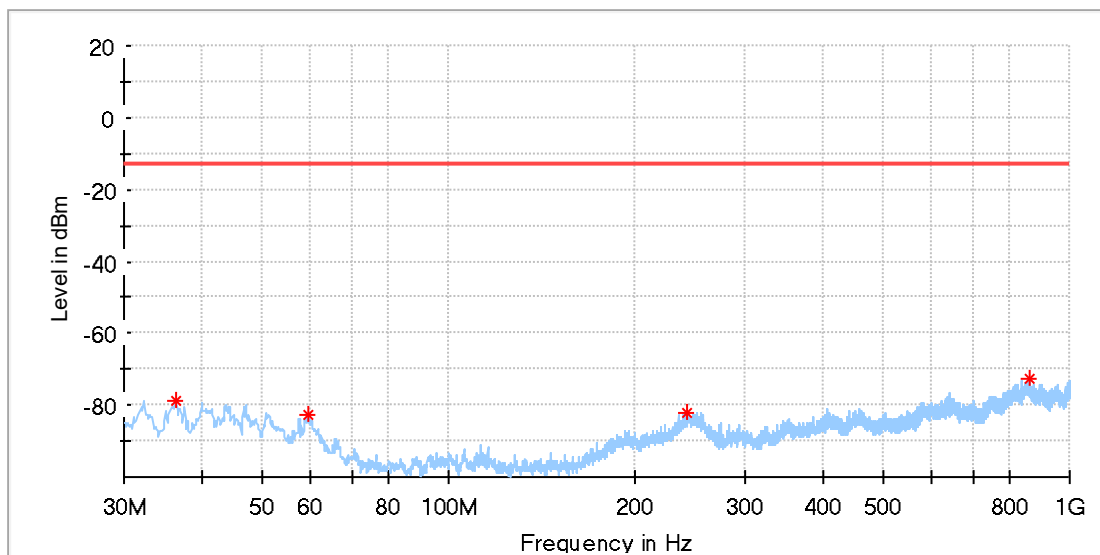
Test Item	Test Environment	EUT Config.	Measured CH	Test Model	Result
FIELD STRENGTH OF SPURIOUS RADIATION)	NTNV	Conf. No. 1	All CH	TM1.1	Pass
		Conf. No. 5			
		Conf. No. 15*			

*Note: Conf.No. 15 only test Middle frequency.

7 Test Plot

7.1 Table Configuration 1

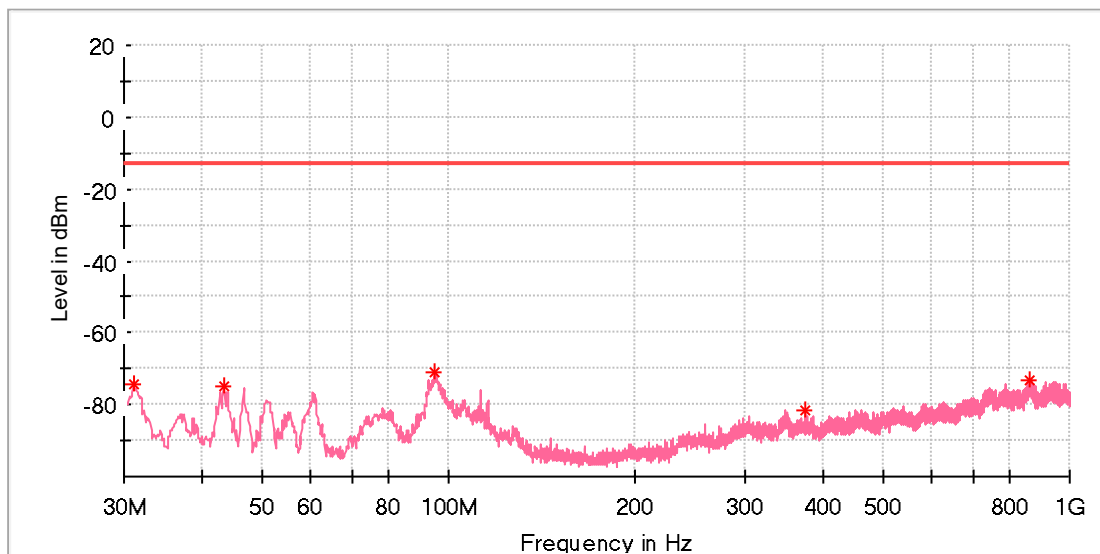
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_20M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.305000	-78.73	-13.00	65.73	100.0	H	230.0	-113.4
59.463750	-82.86	-13.00	69.86	100.0	H	245.0	-116.5
242.672500	-82.15	-13.00	69.15	100.0	H	197.0	-109.9
861.290000	-72.84	-13.00	59.84	100.0	H	260.0	-99.7

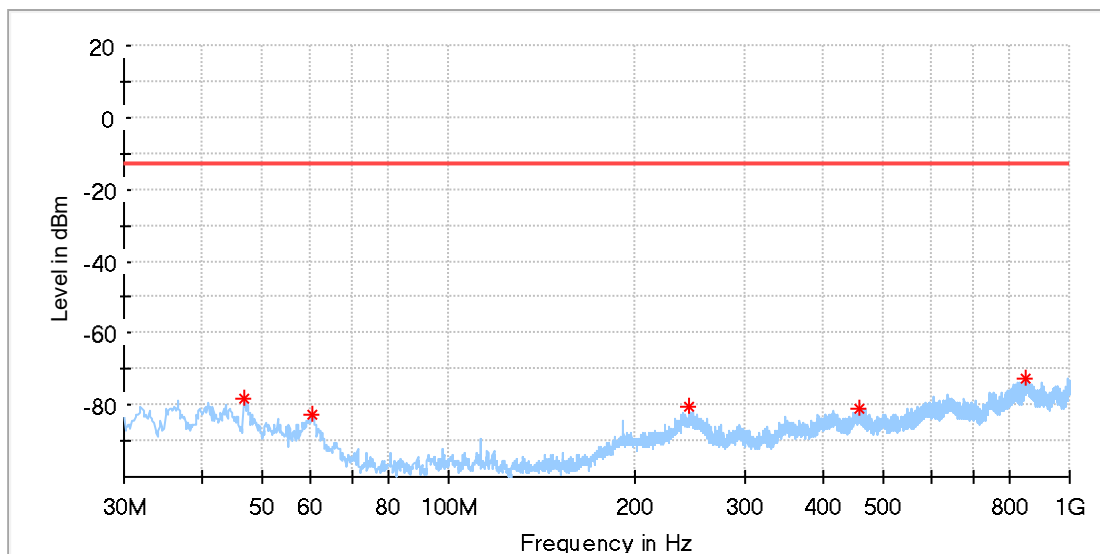
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Model: MA64WA
Test Mode: 1C_20M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.091250	-74.09	-13.00	61.09	100.0	V	119.0	-128.4
43.337500	-74.83	-13.00	61.83	100.0	V	0.0	-124.1
95.232500	-71.07	-13.00	58.07	100.0	V	119.0	-99.9
374.956250	-81.39	-13.00	68.39	100.0	V	317.0	-110.9
860.198750	-73.44	-13.00	60.44	100.0	V	250.0	-99.9

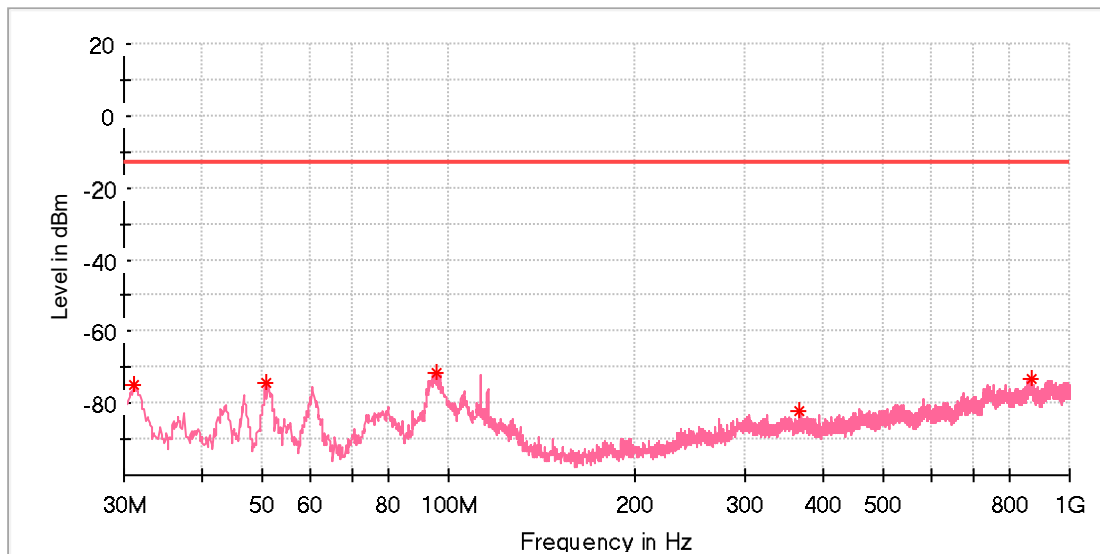
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_20M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
46.732500	-78.12	-13.00	65.12	100.0	H	329.0	-114.2
60.191250	-82.49	-13.00	69.49	100.0	H	142.0	-116.6
243.642500	-80.68	-13.00	67.68	100.0	H	0.0	-110.0
460.073750	-81.10	-13.00	68.10	100.0	H	240.0	-108.5
852.196250	-72.40	-13.00	59.40	100.0	H	56.0	-99.1

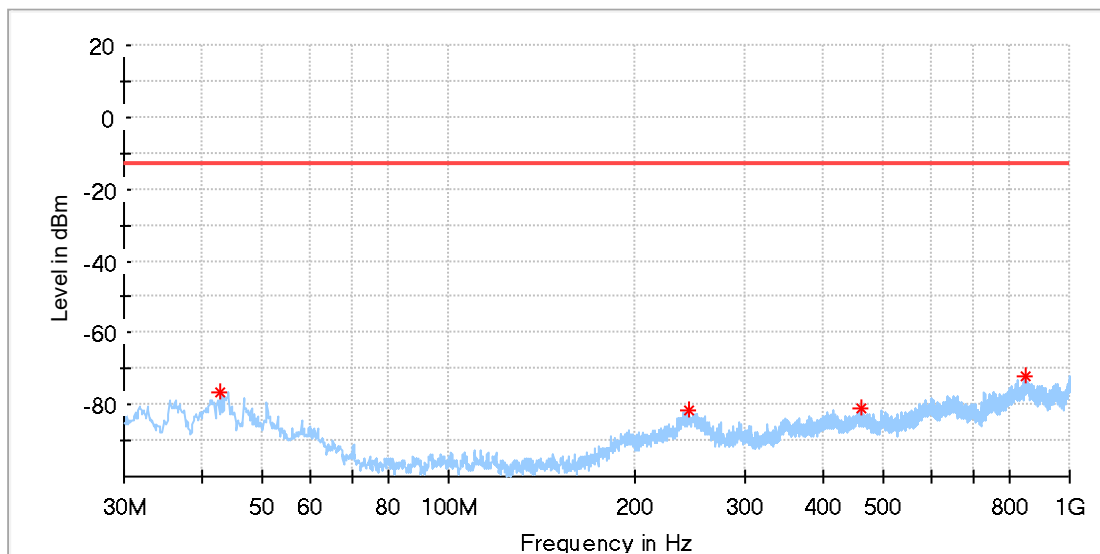
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Model: MA64WA
Test Mode: 1C_20M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.091250	-74.97	-13.00	61.97	100.0	V	137.0	-128.4
50.855000	-74.31	-13.00	61.31	100.0	V	70.0	-124.3
95.475000	-71.28	-13.00	58.28	100.0	V	153.0	-100.4
367.196250	-81.98	-13.00	68.98	100.0	V	299.0	-110.9
866.988750	-73.09	-13.00	60.09	100.0	V	285.0	-99.6

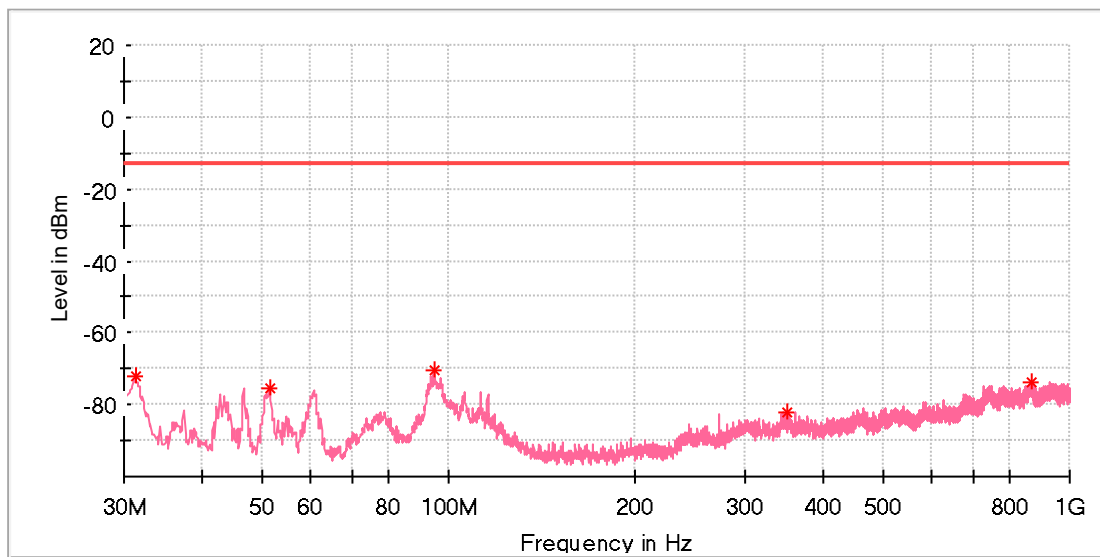
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Model: MA64WA
Test Mode: 1C_20M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.973750	-76.61	-13.00	63.61	100.0	H	195.0	-113.2
244.248750	-81.78	-13.00	68.78	100.0	H	0.0	-110.0
462.498750	-81.00	-13.00	68.00	100.0	H	82.0	-108.5
852.317500	-72.35	-13.00	59.35	100.0	H	232.0	-99.1

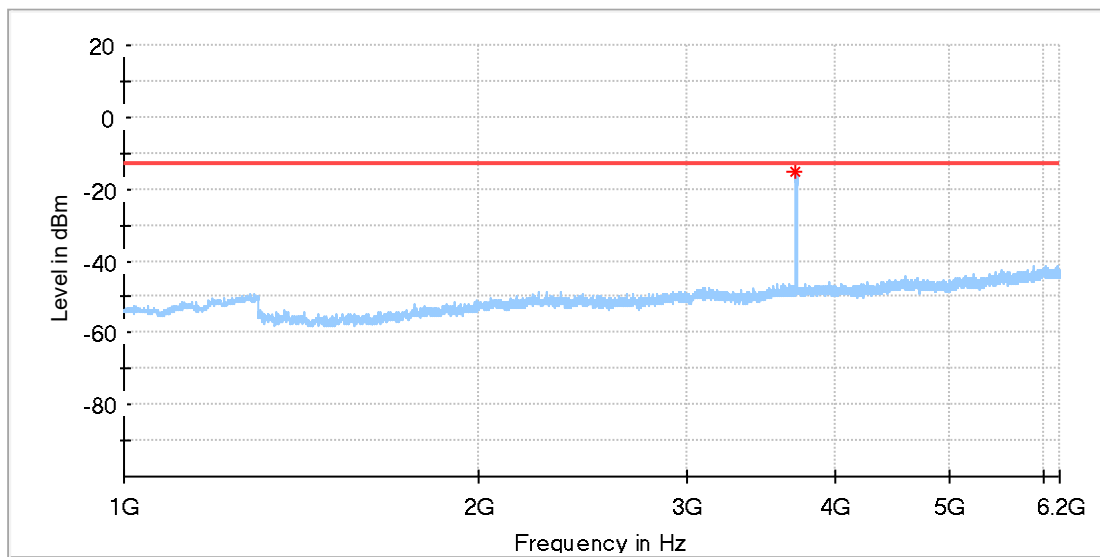
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Model: MA64WA
Test Mode: 1C_20M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.333750	-72.02	-13.00	59.02	100.0	V	142.0	-128.3
51.461250	-75.71	-13.00	62.71	100.0	V	120.0	-123.7
94.626250	-70.35	-13.00	57.35	100.0	V	317.0	-99.7
351.918750	-82.14	-13.00	69.14	100.0	V	187.0	-111.1
866.382500	-73.50	-13.00	60.50	100.0	V	142.0	-99.5

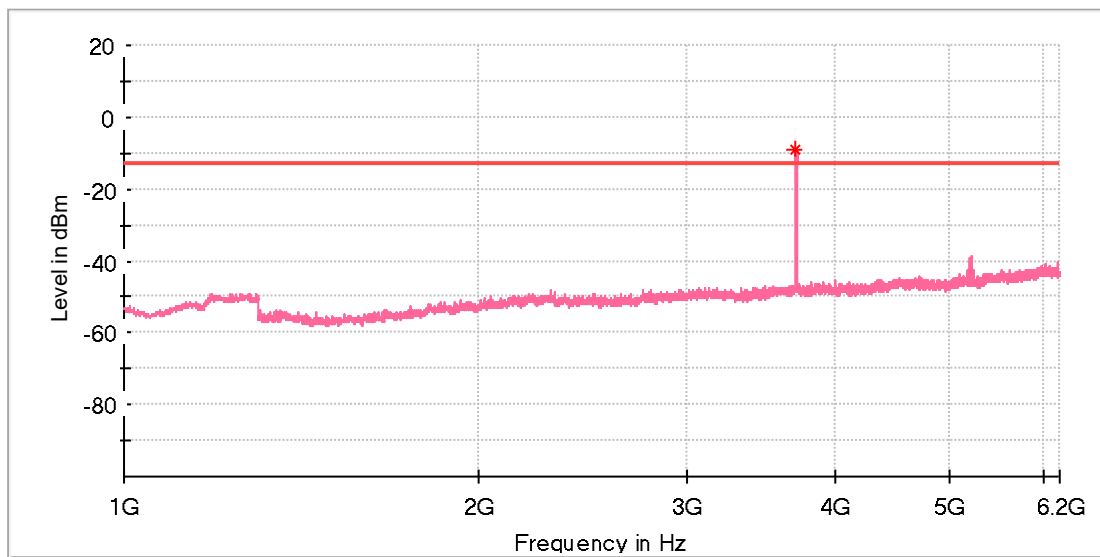
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Model: MA64WA
Test Mode: 1C_20M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3705.000000	-15.11	-13.00	2.11	150.0	H	69.0	-85.5

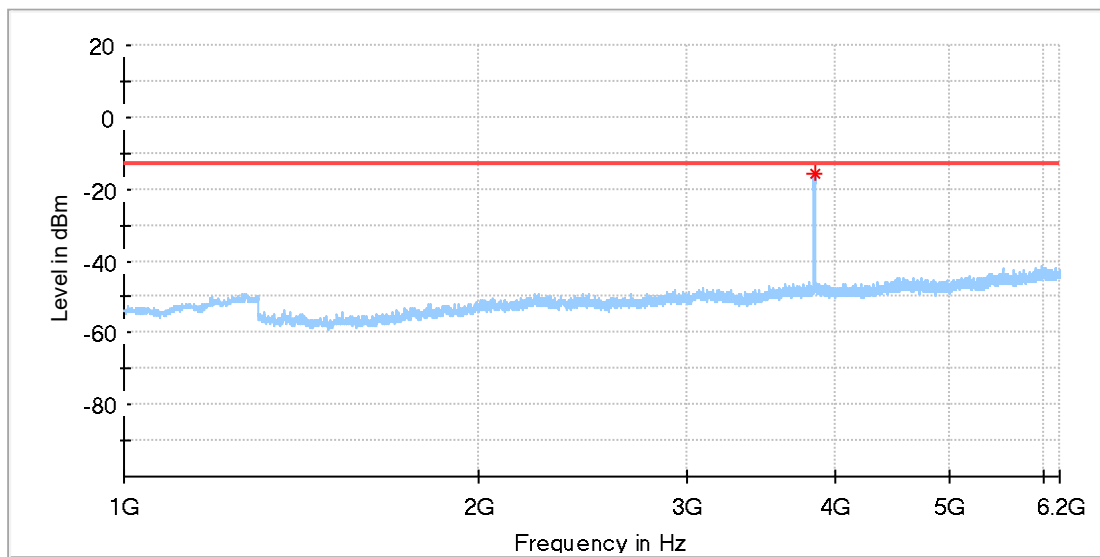
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Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3706.000000	-8.77	-13.00	-4.23	150.0	V	354.0	-85.4

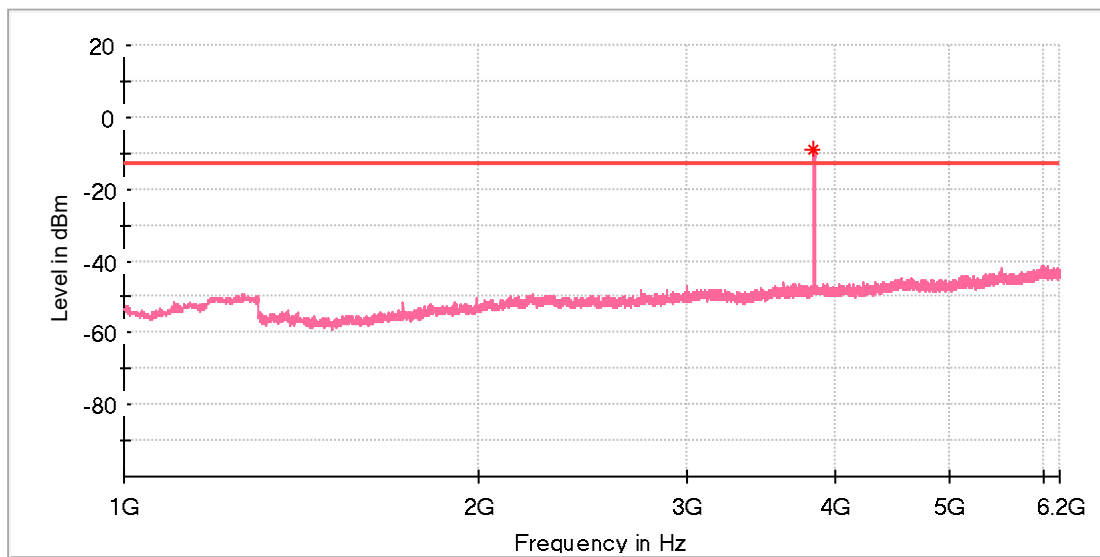
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Model: MA64WA
Test Mode: 1C_20M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3847.500000	-15.45	-13.00	2.45	150.0	H	332.0	-85.3

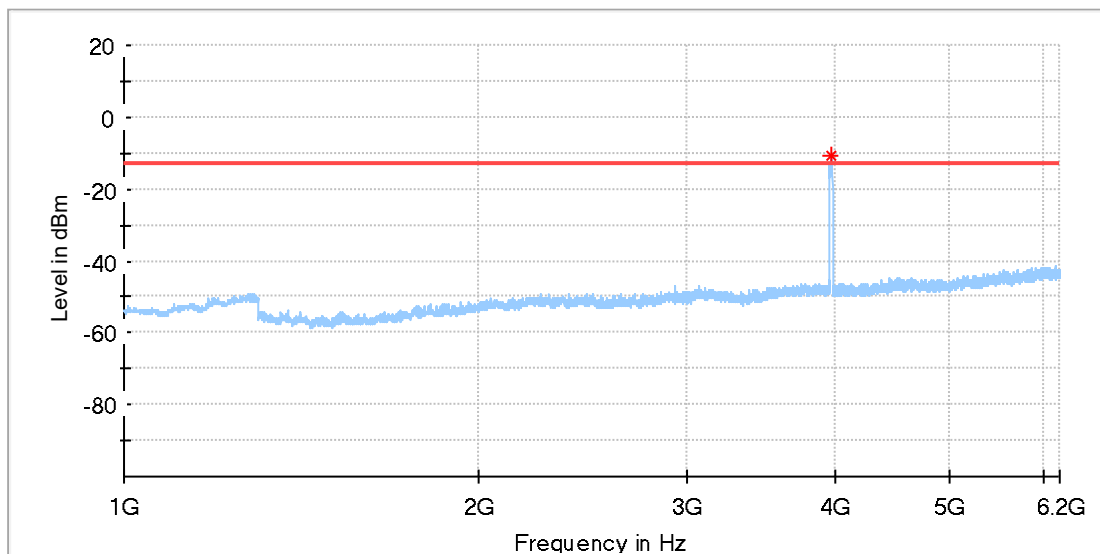
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Model: MA64WA
Test Mode: 1C_20M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3841.000000	-9.20	-13.00	-3.80	150.0	V	51.0	-85.4

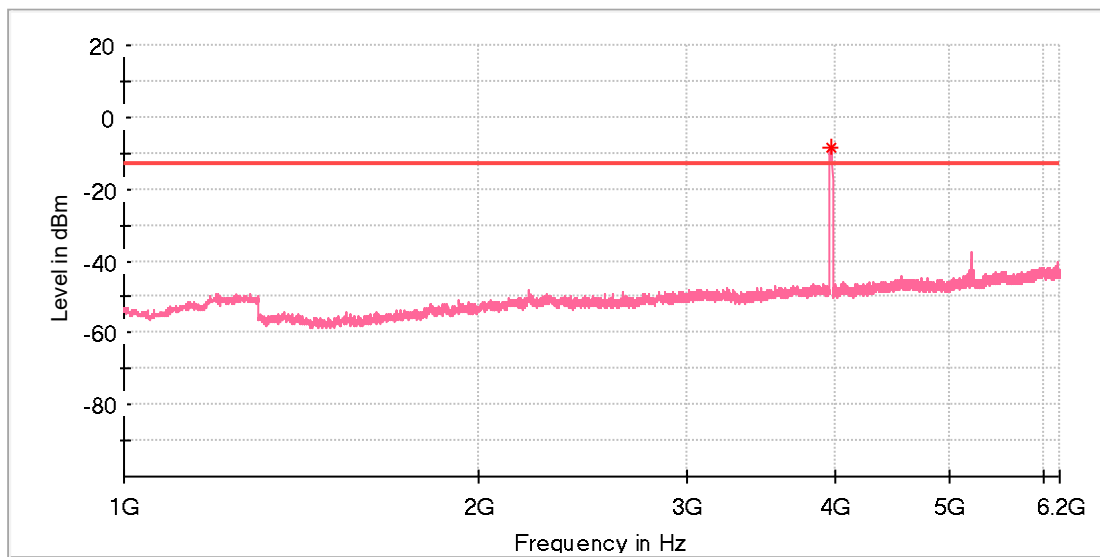
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Model: MA64WA
Test Mode: 1C_20M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3974.500000	-10.55	-13.00	-2.45	150.0	H	72.0	-85.4

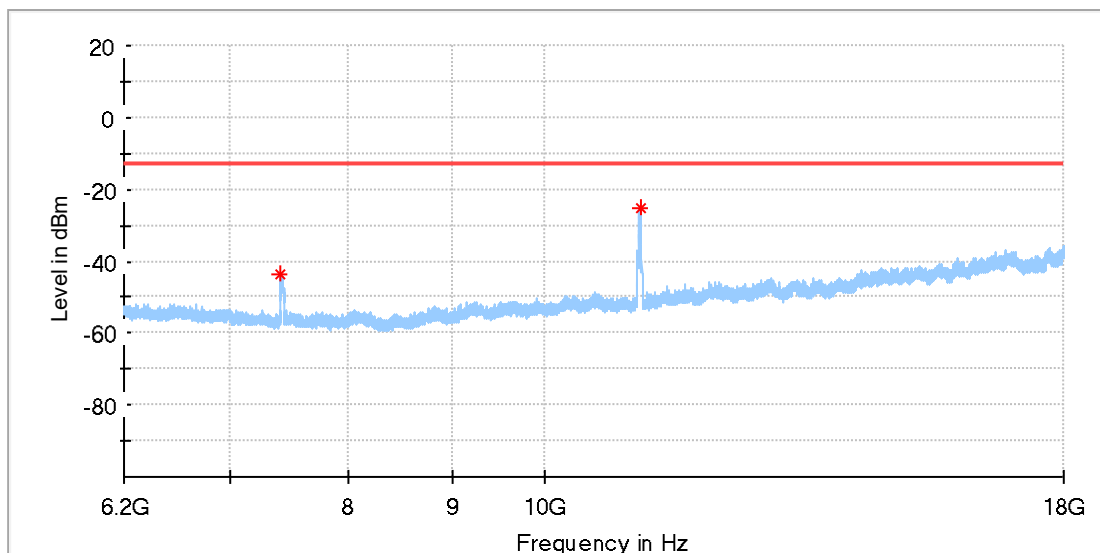
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Model: MA64WA
Test Mode: 1C_20M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3969.500000	-8.37	-13.00	-4.63	150.0	V	30.0	-85.4

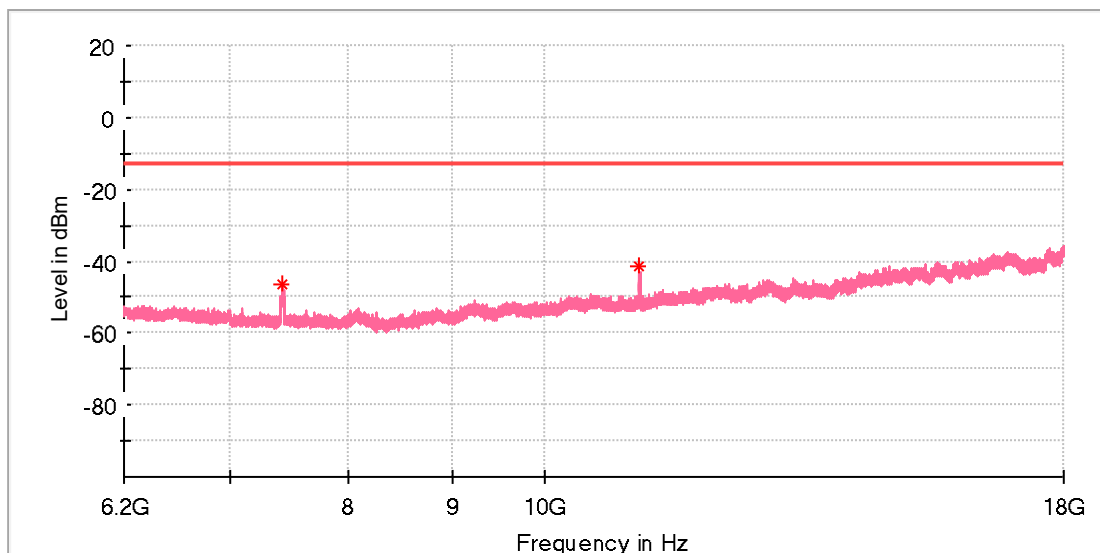
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Model: MA64WA
Test Mode: 1C_20M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7407.041667	-43.54	-13.00	30.54	150.0	H	24.0	-87.8
11132.891667	-25.19	-13.00	12.19	150.0	H	323.0	-83.1

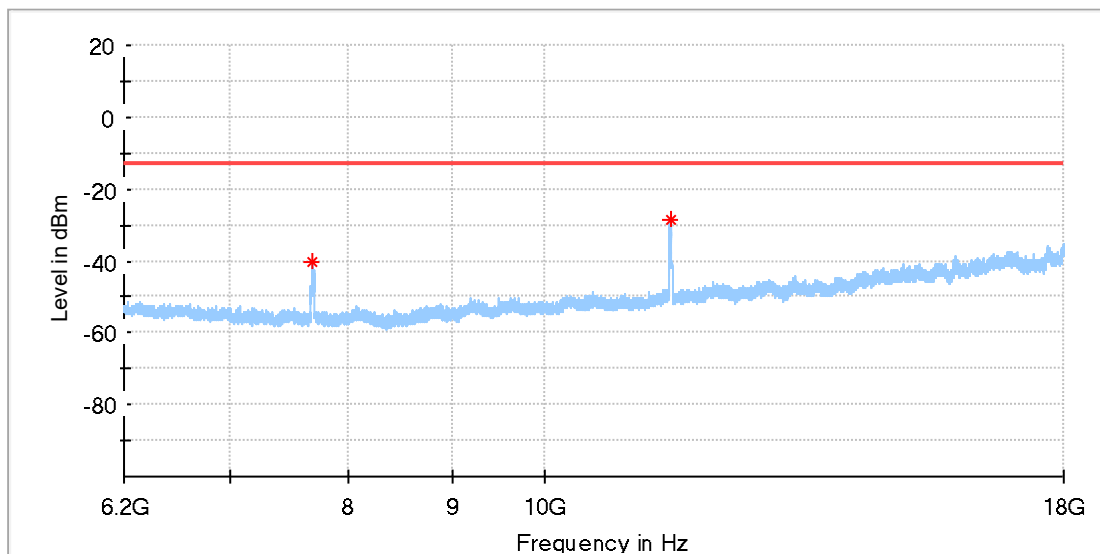
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_20M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7421.300000	-46.18	-13.00	33.18	150.0	V	330.0	-87.7
11127.483333	-41.34	-13.00	28.34	150.0	V	26.0	-83.1

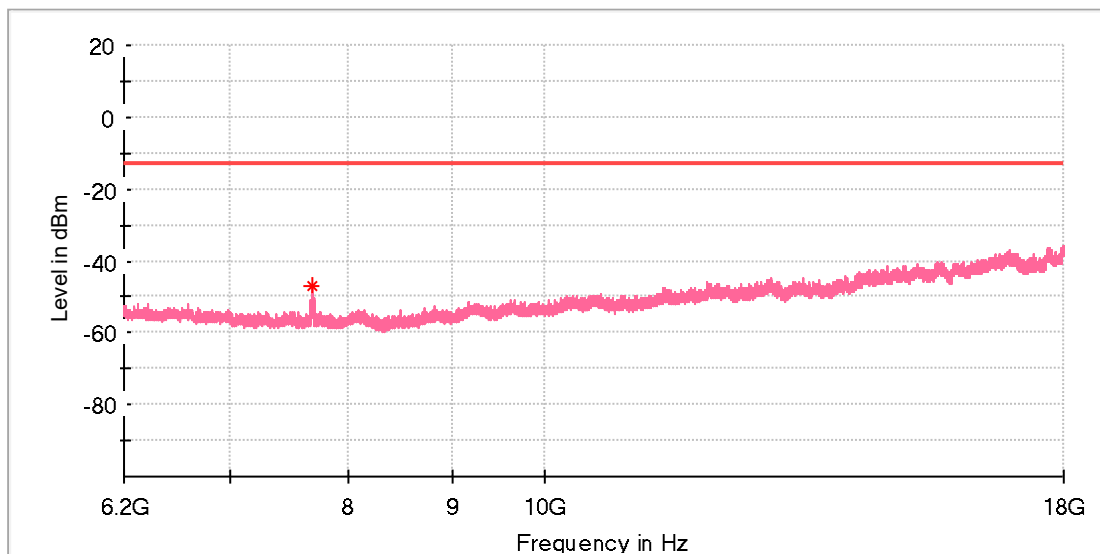
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_20M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7675.000000	-40.28	-13.00	27.28	150.0	H	54.0	-87.7
11518.850000	-28.35	-13.00	15.35	150.0	H	299.0	-81.0

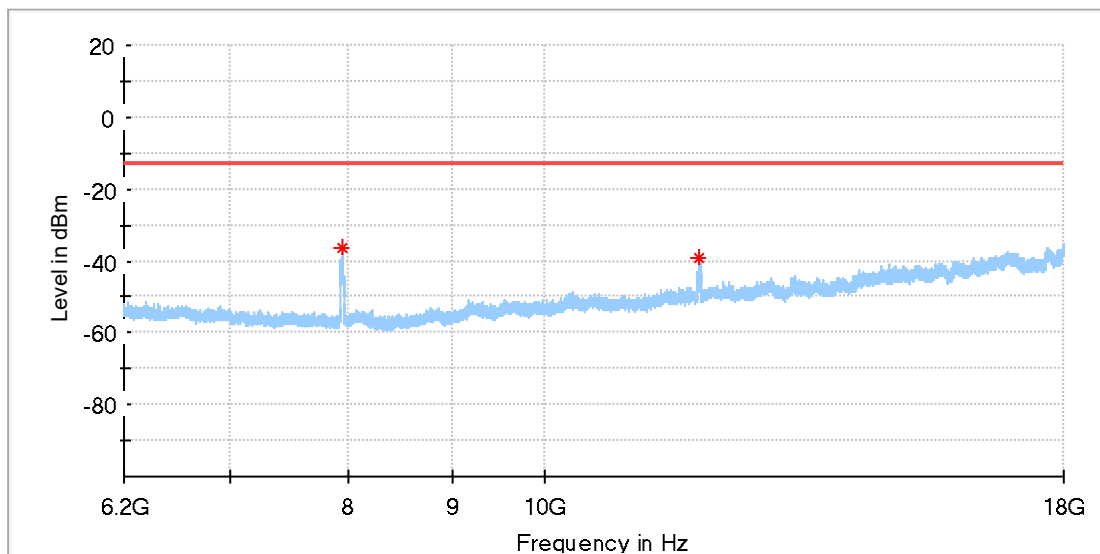
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Model: MA64WA
Test Mode: 1C_20M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7675.000000	-46.73	-13.00	33.73	150.0	V	4.0	-87.7

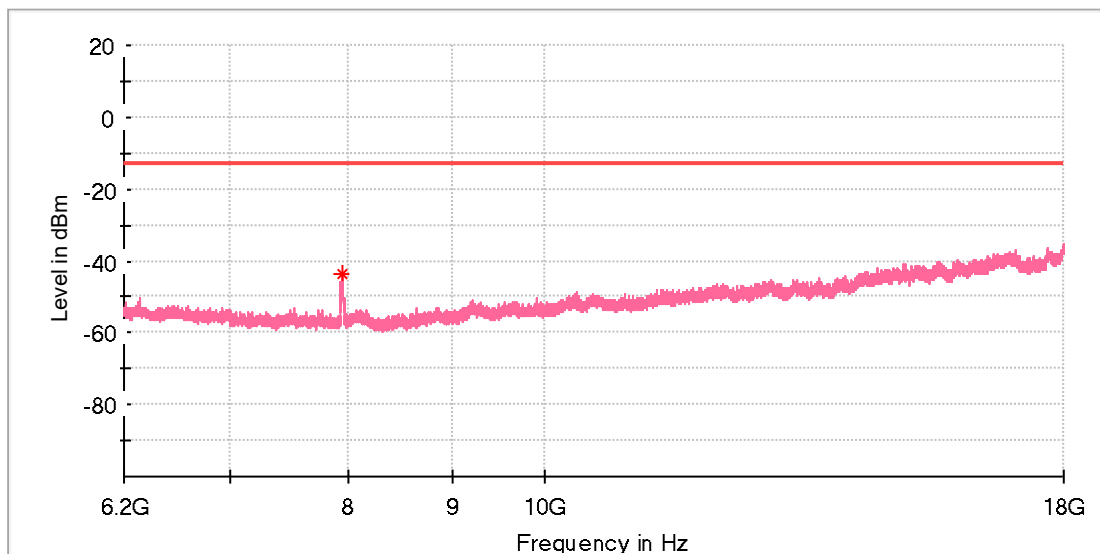
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Model: MA64WA
Test Mode: 1C_20M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7938.041667	-36.50	-13.00	23.50	150.0	H	324.0	-87.8
11902.841667	-39.39	-13.00	26.39	150.0	H	65.0	-81.1

EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_20M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

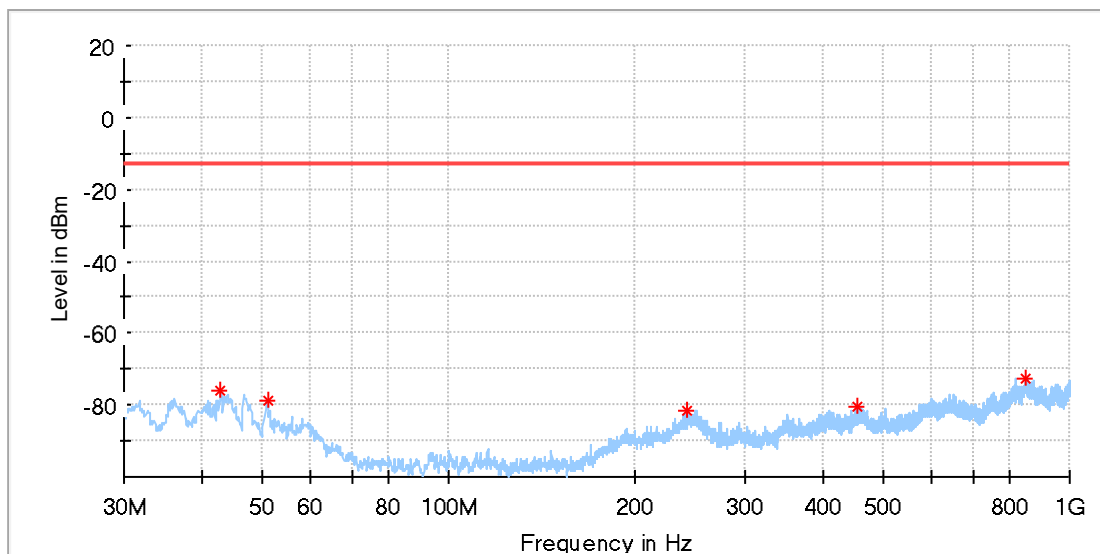


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7944.433333	-43.68	-13.00	30.68	150.0	V	27.0	-87.7

7.2 Table Configuration 5

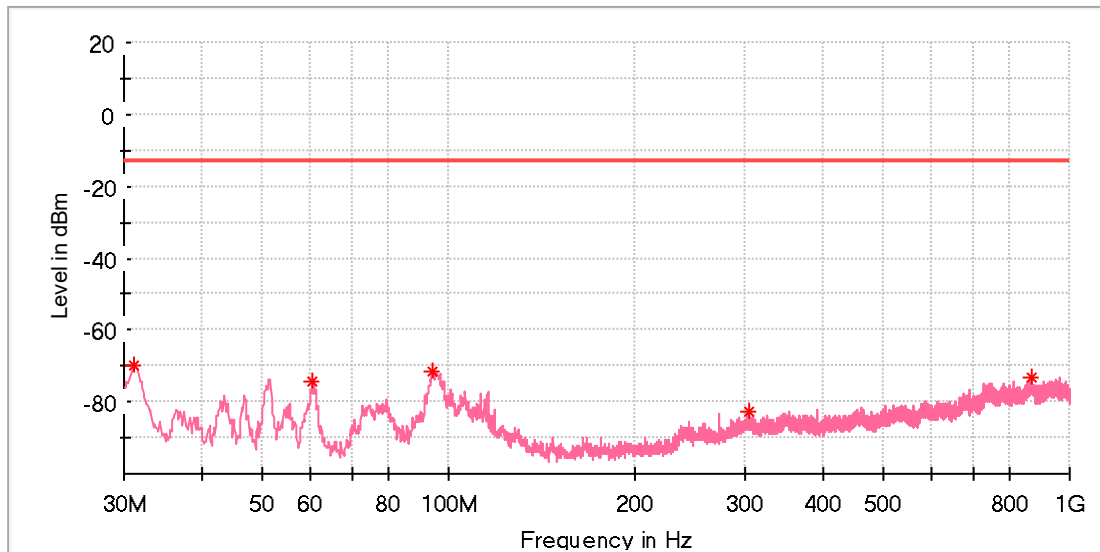
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Test Mode: 1C_100M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.973750	-75.95	-13.00	62.95	100.0	H	170.0	-113.2
51.097500	-78.91	-13.00	65.91	100.0	H	54.0	-116.7
242.793750	-81.52	-13.00	68.52	100.0	H	0.0	-109.9
453.647500	-80.63	-13.00	67.63	100.0	H	149.0	-108.5
852.317500	-72.58	-13.00	59.58	100.0	H	346.0	-99.1

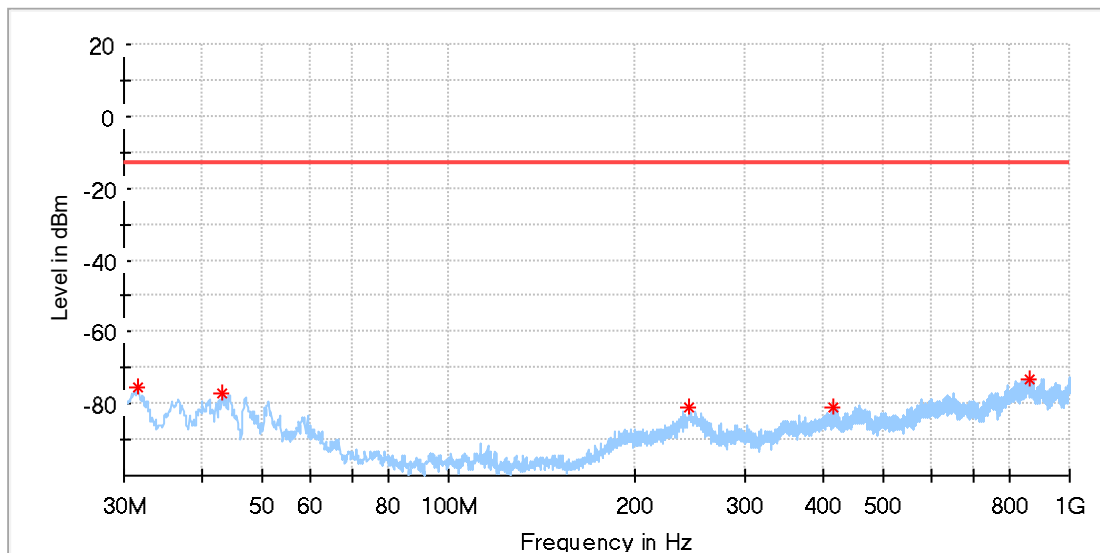
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.091250	-70.07	-13.00	57.07	100.0	V	58.0	-128.4
60.433750	-74.38	-13.00	61.38	100.0	V	295.0	-120.5
93.898750	-71.29	-13.00	58.29	100.0	V	0.0	-100.3
304.873750	-82.73	-13.00	69.73	100.0	V	83.0	-111.0
866.261250	-72.96	-13.00	59.96	100.0	V	91.0	-99.5

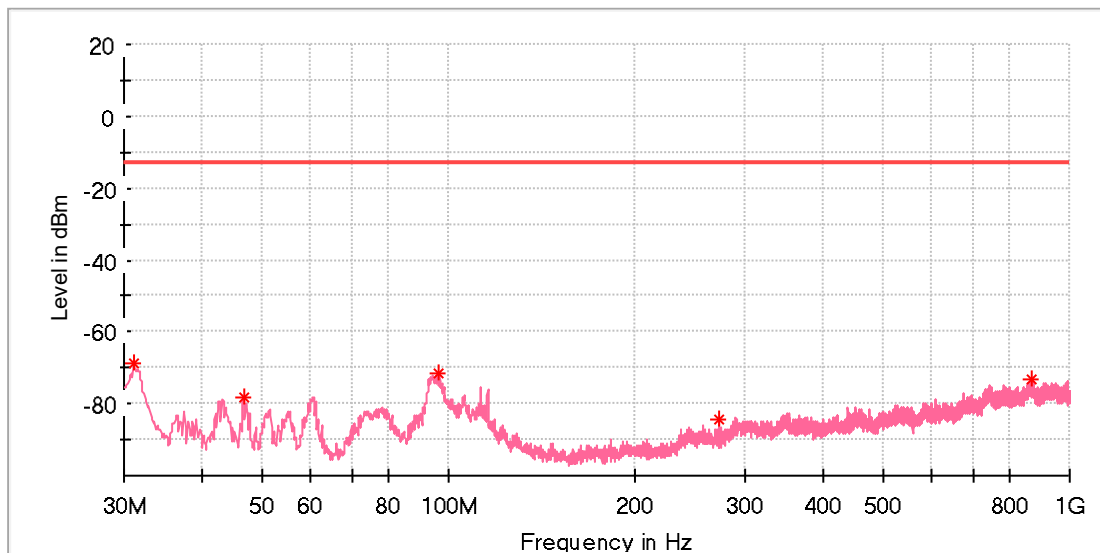
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Model: MA64WA
Test Mode: 1C_100M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.576250	-75.53	-13.00	62.53	100.0	H	209.0	-116.3
43.216250	-76.87	-13.00	63.87	100.0	H	153.0	-113.5
243.763750	-81.24	-13.00	68.24	100.0	H	5.0	-110.0
416.787500	-81.06	-13.00	68.06	100.0	H	233.0	-109.5
860.320000	-72.93	-13.00	59.93	100.0	H	271.0	-99.6

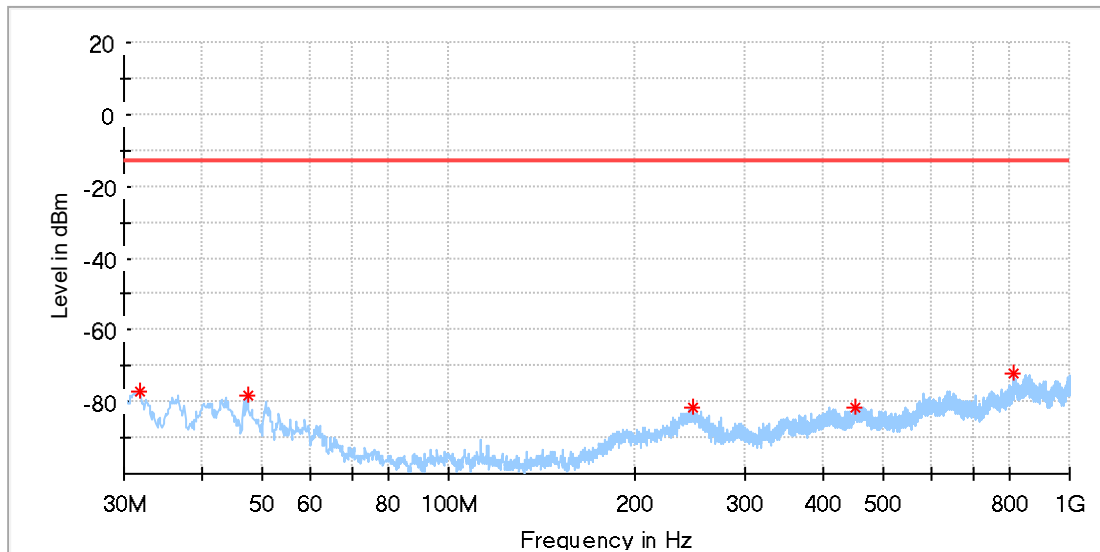
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.091250	-68.89	-13.00	55.89	100.0	V	19.0	-128.4
46.853750	-78.29	-13.00	65.29	100.0	V	303.0	-122.8
96.566250	-71.35	-13.00	58.35	100.0	V	19.0	-101.8
271.893750	-84.12	-13.00	71.12	100.0	V	120.0	-114.8
866.382500	-73.32	-13.00	60.32	100.0	V	254.0	-99.5

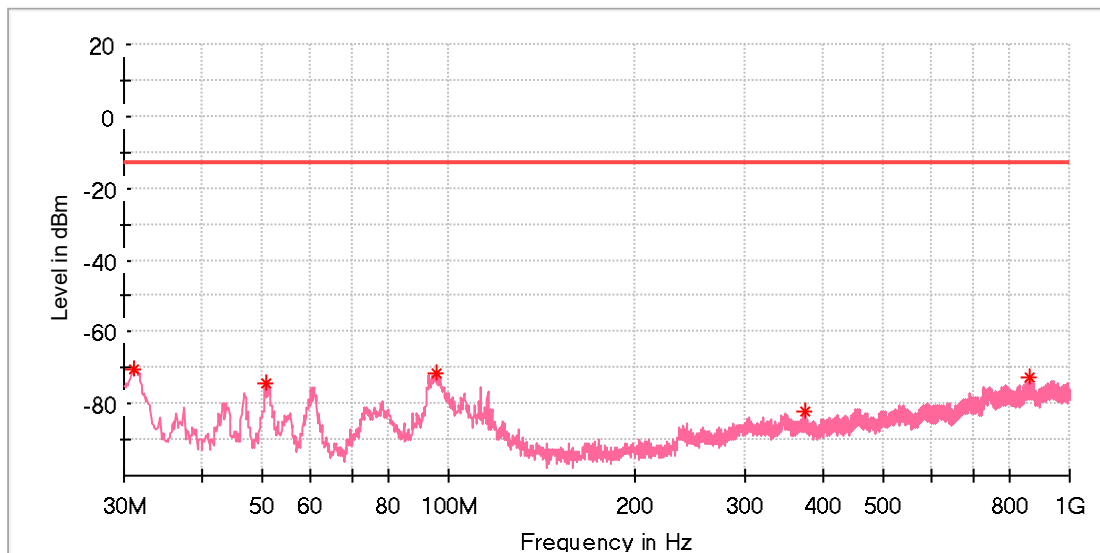
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.940000	-76.84	-13.00	63.84	100.0	H	201.0	-116.4
47.460000	-78.06	-13.00	65.06	100.0	H	144.0	-114.1
247.522500	-81.43	-13.00	68.43	100.0	H	0.0	-109.9
450.737500	-81.37	-13.00	68.37	100.0	H	168.0	-108.7
811.456250	-72.26	-13.00	59.26	100.0	H	90.0	-100.9

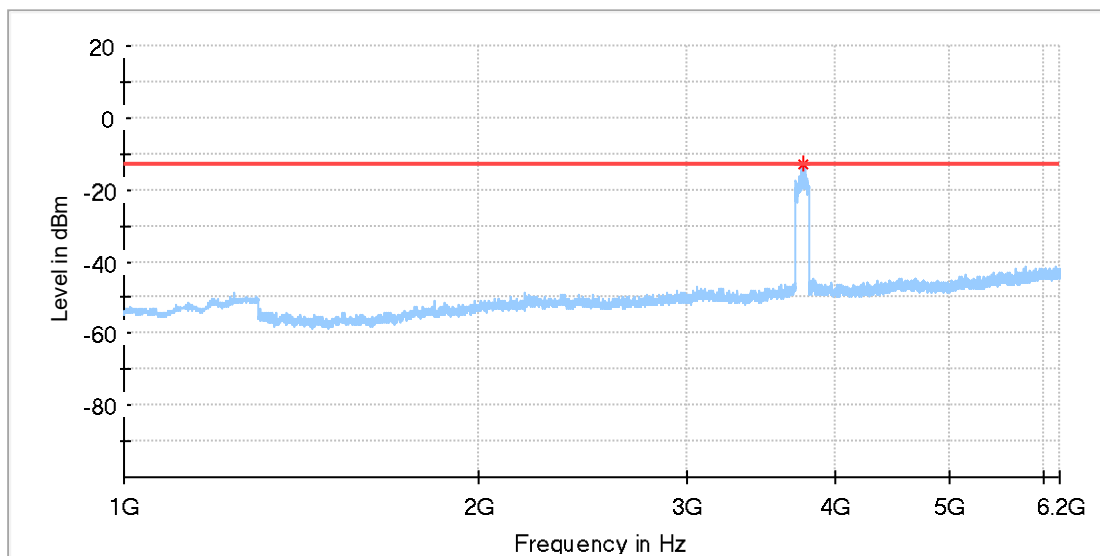
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.091250	-70.23	-13.00	57.23	100.0	V	0.0	-128.4
50.733750	-74.58	-13.00	61.58	100.0	V	278.0	-124.4
95.596250	-71.40	-13.00	58.40	100.0	V	36.0	-100.6
374.956250	-81.93	-13.00	68.93	100.0	V	87.0	-110.9
864.442500	-72.82	-13.00	59.82	100.0	V	152.0	-99.6

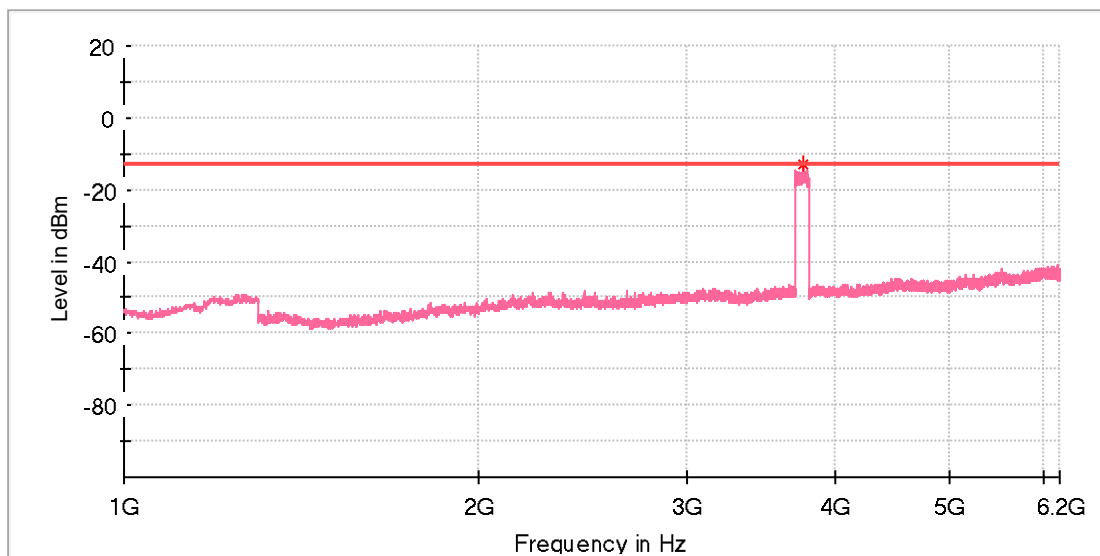
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3758.500000	-13.12	-13.00	0.12	150.0	H	52.0	-85.2

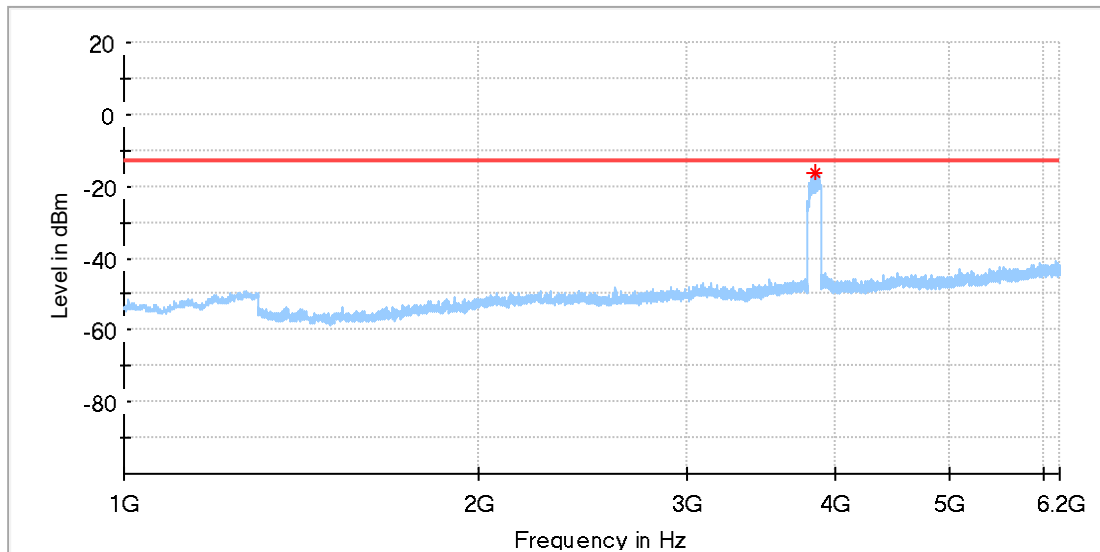
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Model: MA64WA
Test Mode: 1C_100M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3759.000000	-13.02	-13.00	0.02	150.0	V	13.0	-85.6

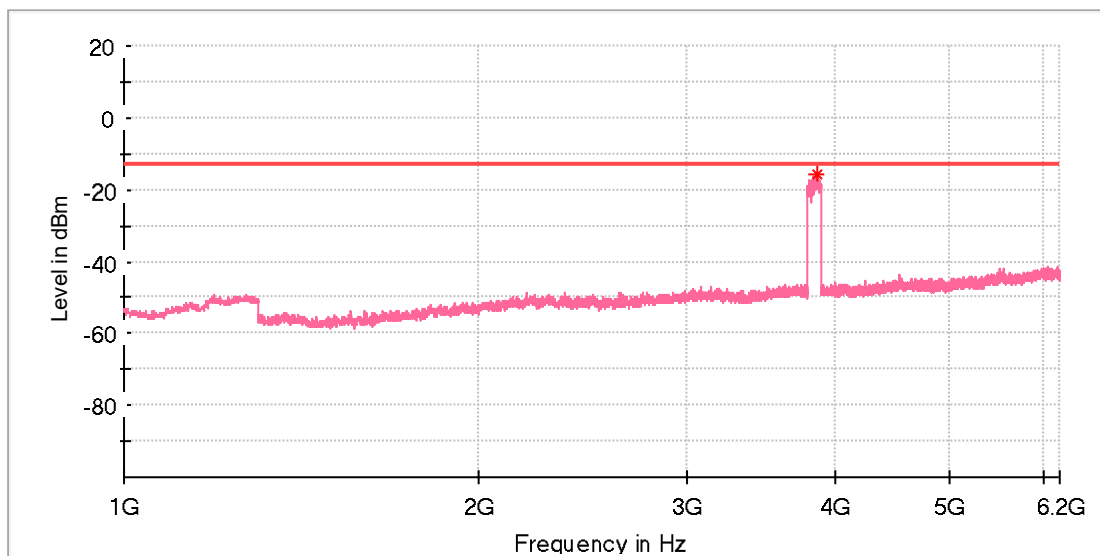
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3842.500000	-16.00	-13.00	3.00	150.0	H	55.0	-85.4

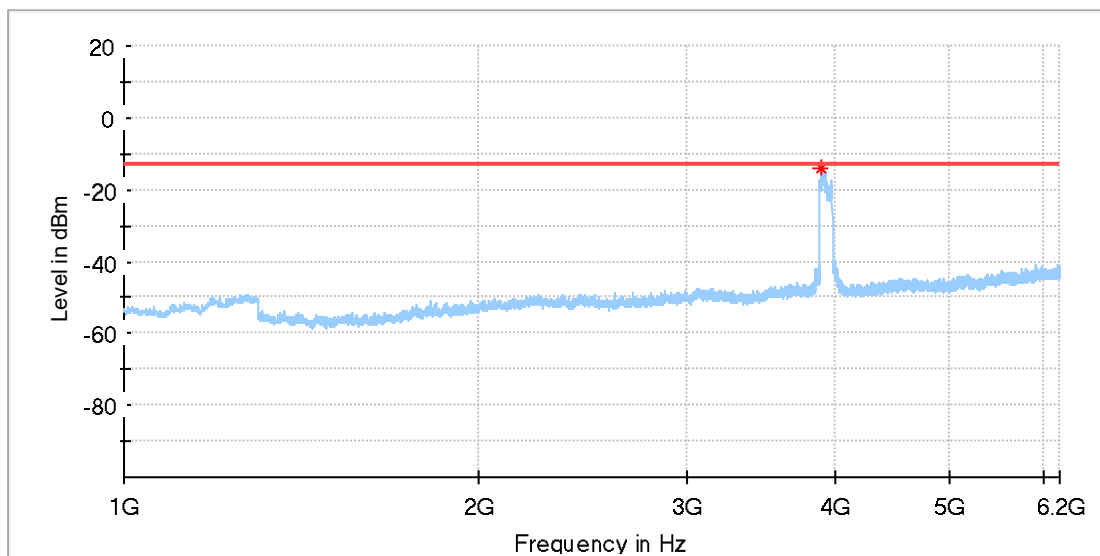
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3864.500000	-15.59	-13.00	2.59	150.0	V	7.0	-85.1

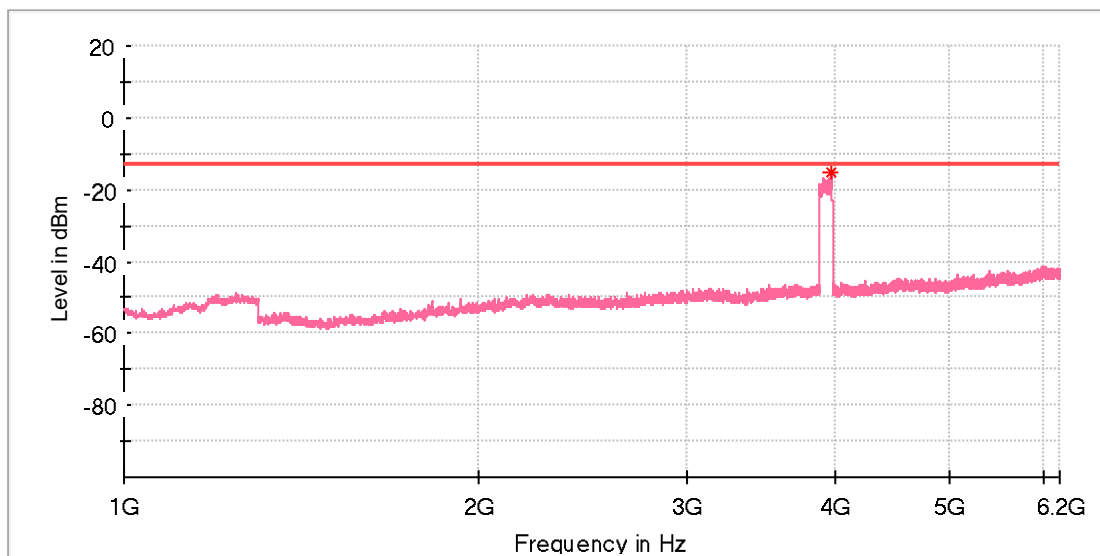
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3897.000000	-13.91	-13.00	0.91	150.0	H	61.0	-85.2

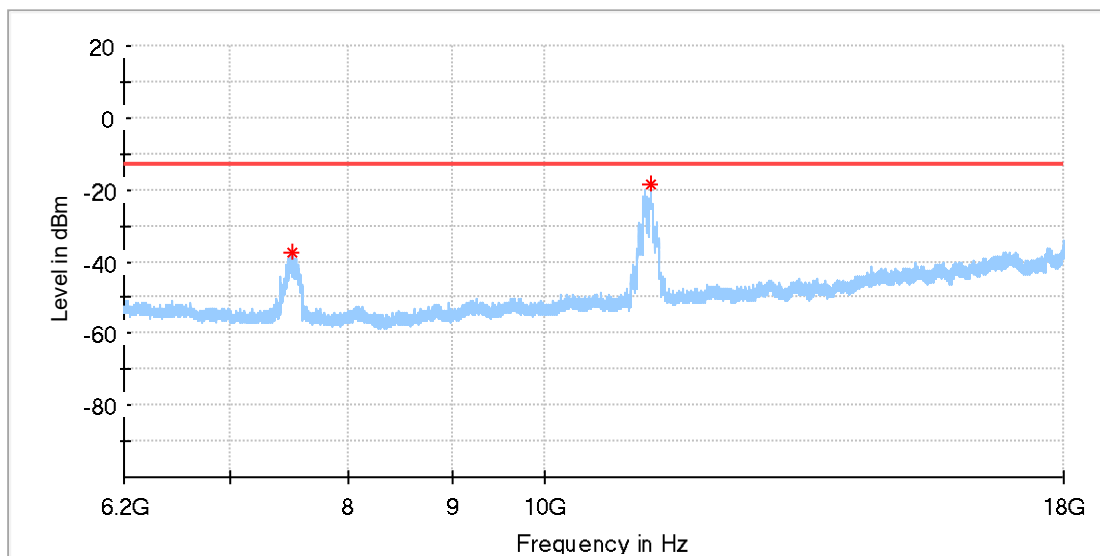
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Model: MA64WA
Test Mode: 1C_100M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3968.000000	-15.29	-13.00	2.29	150.0	V	25.0	-85.4

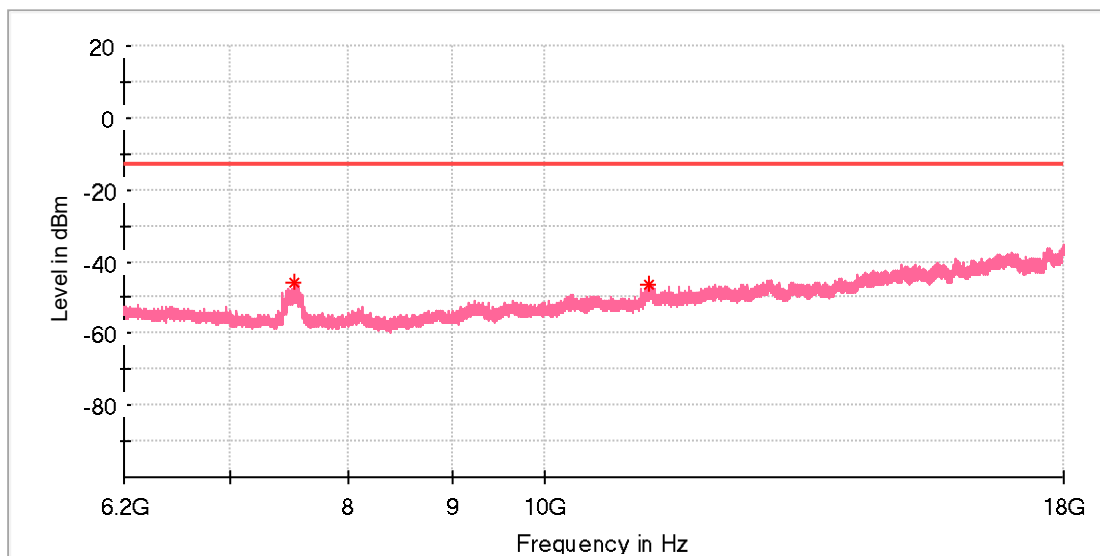
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Model: MA64WA
Test Mode: 1C_100M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7510.783333	-37.43	-13.00	24.43	150.0	H	51.0	-87.1
11259.250000	-18.50	-13.00	5.50	150.0	H	322.0	-82.5

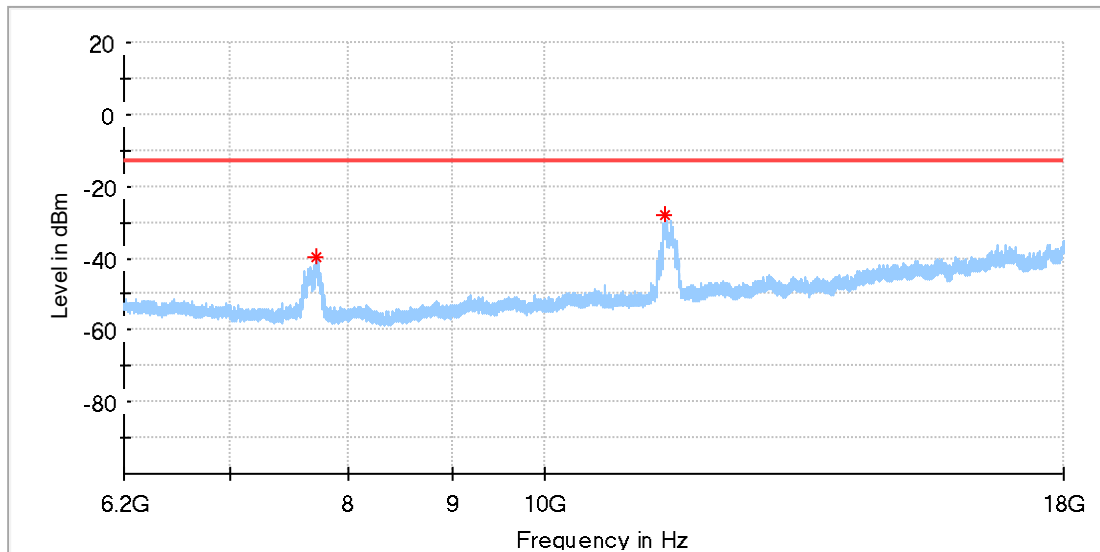
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Model: MA64WA
Test Mode: 1C_100M_Low channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7526.516667	-45.99	-13.00	32.99	150.0	V	38.0	-87.4
11253.350000	-46.55	-13.00	33.55	150.0	V	26.0	-82.4

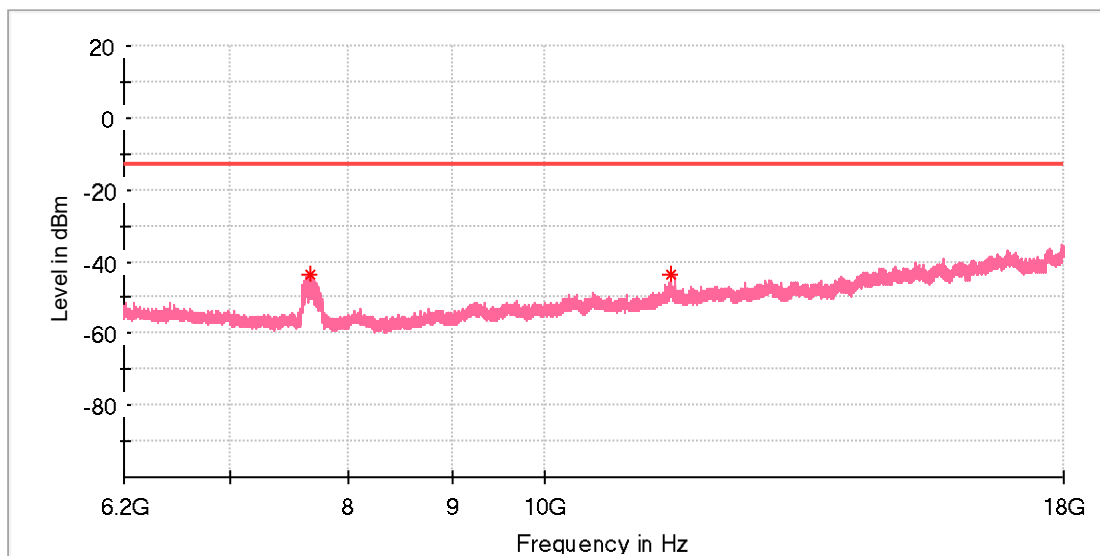
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Model: MA64WA
Test Mode: 1C_100M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7714.825000	-39.94	-13.00	26.94	150.0	H	294.0	-87.9
11457.883333	-28.17	-13.00	15.17	150.0	H	294.0	-81.1

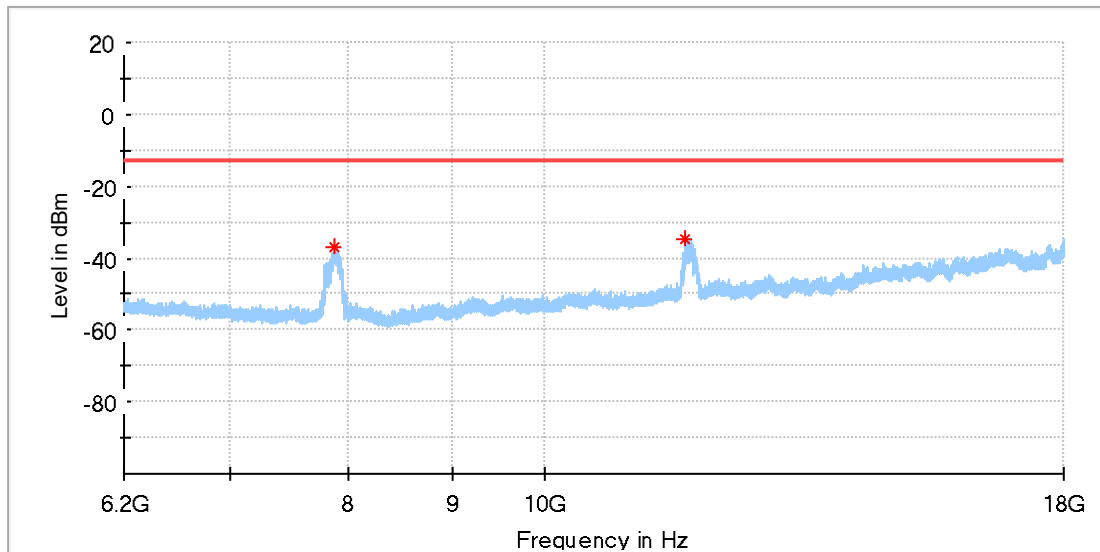
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Model: MA64WA
Test Mode: 1C_100M_Mid channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7653.366667	-43.68	-13.00	30.68	150.0	V	0.0	-87.3
11534.091667	-43.59	-13.00	30.59	150.0	V	24.0	-81.3

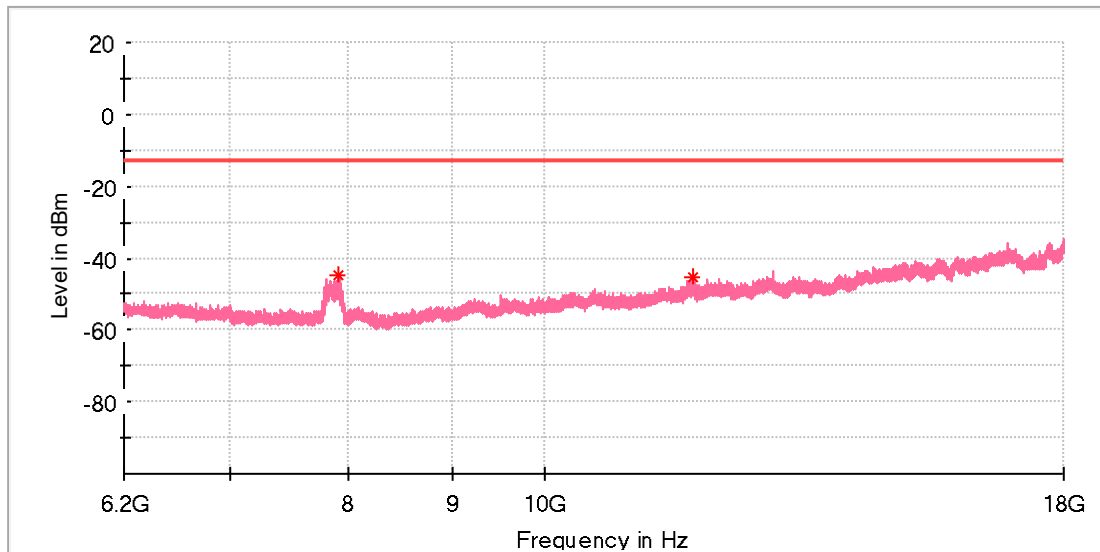
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7871.175000	-36.66	-13.00	23.66	150.0	H	291.0	-87.7
11723.875000	-34.55	-13.00	21.55	150.0	H	65.0	-81.8

EUT Name: 5G RRU
Model: MA64WA
Test Mode: 1C_100M_High channel
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin

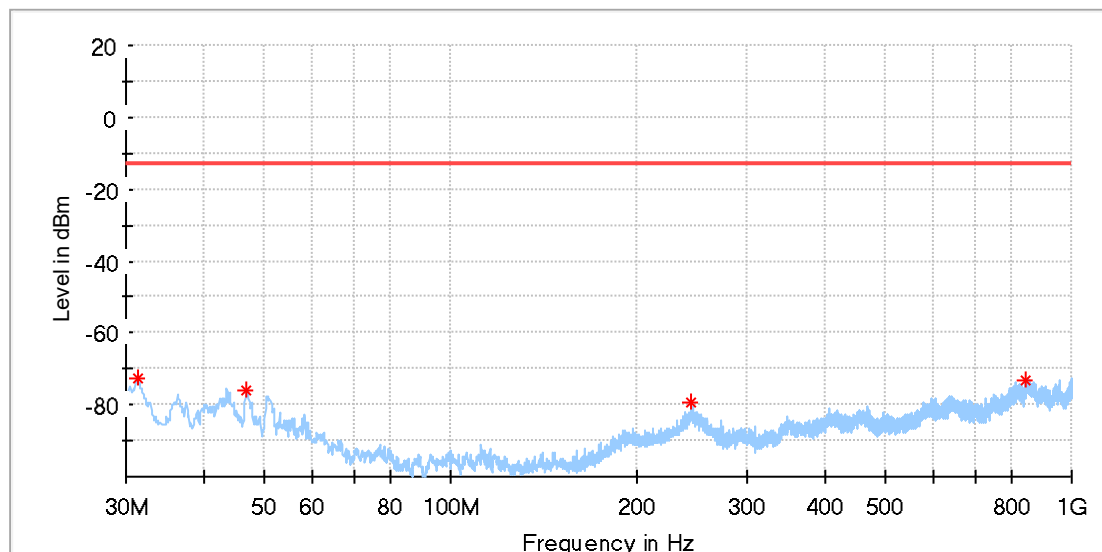


Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7912.966667	-44.93	-13.00	31.93	150.0	V	14.0	-87.8
11813.358333	-45.04	-13.00	32.04	150.0	V	322.0	-81.7

7.3 Table Configuration 15

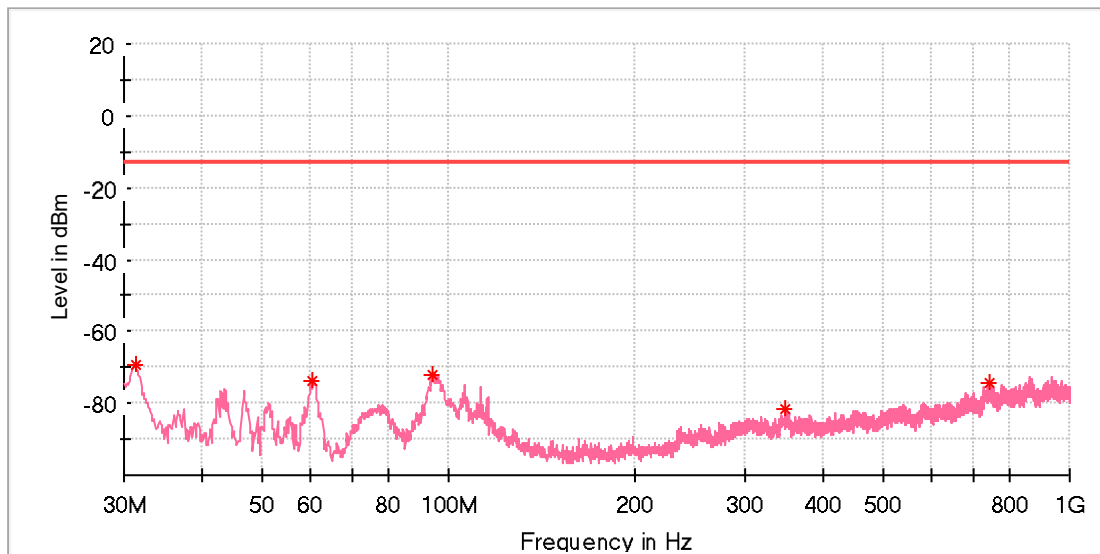
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Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.333750	-72.41	-13.00	59.41	100.0	H	204.0	-116.3
46.975000	-75.88	-13.00	62.88	100.0	H	122.0	-114.1
243.036250	-79.40	-13.00	66.40	100.0	H	359.0	-109.9
841.283750	-73.48	-13.00	60.48	100.0	H	359.0	-100.5

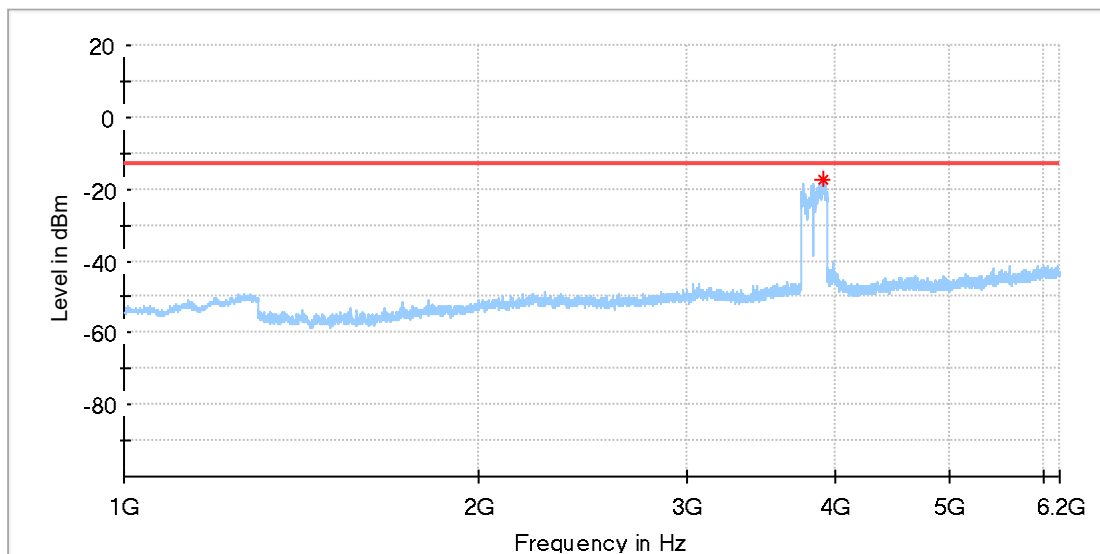
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.333750	-69.32	-13.00	56.32	100.0	V	236.0	-128.3
60.433750	-73.51	-13.00	60.51	100.0	V	260.0	-120.5
94.141250	-72.11	-13.00	59.11	100.0	V	0.0	-99.8
349.008750	-81.54	-13.00	68.54	100.0	V	191.0	-110.9
743.071250	-74.39	-13.00	61.39	100.0	V	127.0	-101.7

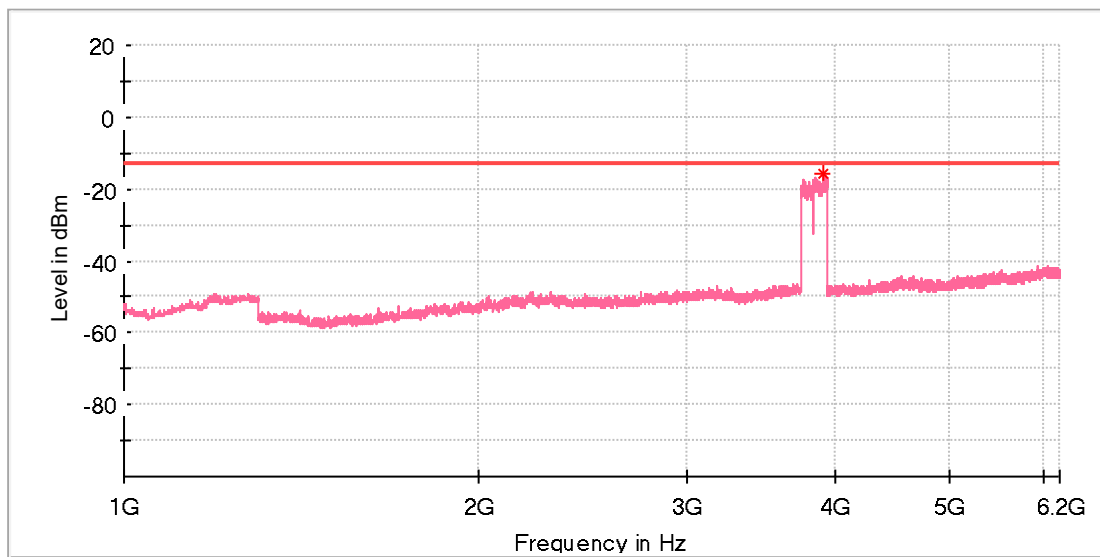
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3911.500000	-17.26	-13.00	4.26	150.0	H	56.0	-85.2

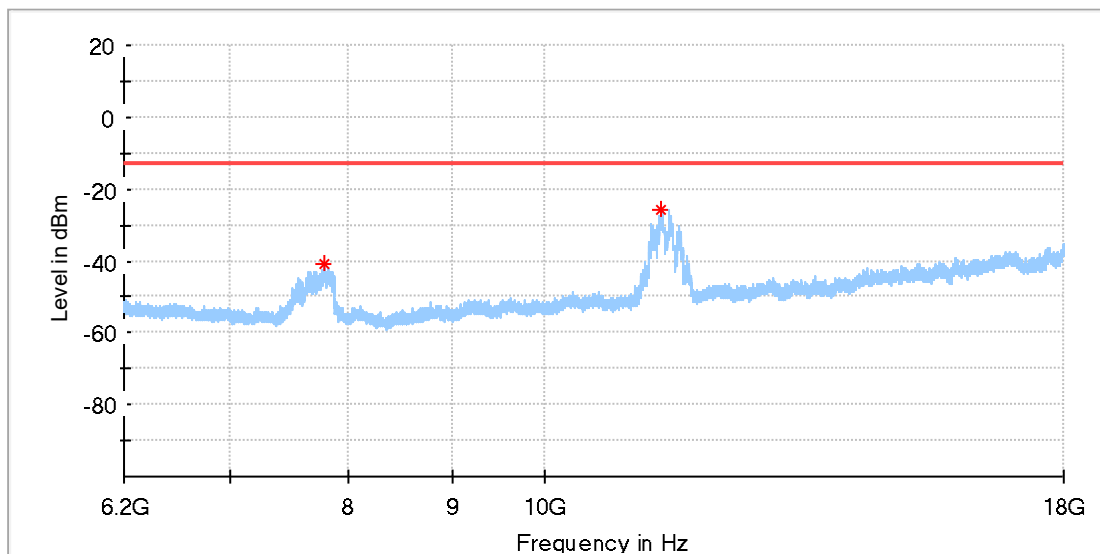
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3917.000000	-15.94	-13.00	2.94	150.0	V	11.0	-85.2

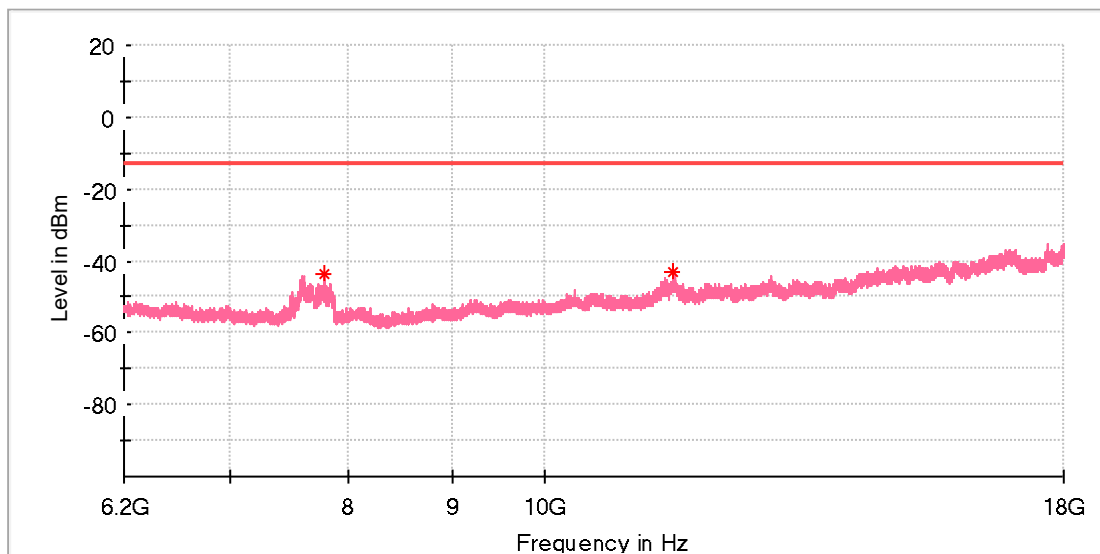
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Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7782.183333	-40.60	-13.00	27.60	150.0	H	309.0	-87.6
11394.950000	-25.68	-13.00	12.68	150.0	H	298.0	-82.2

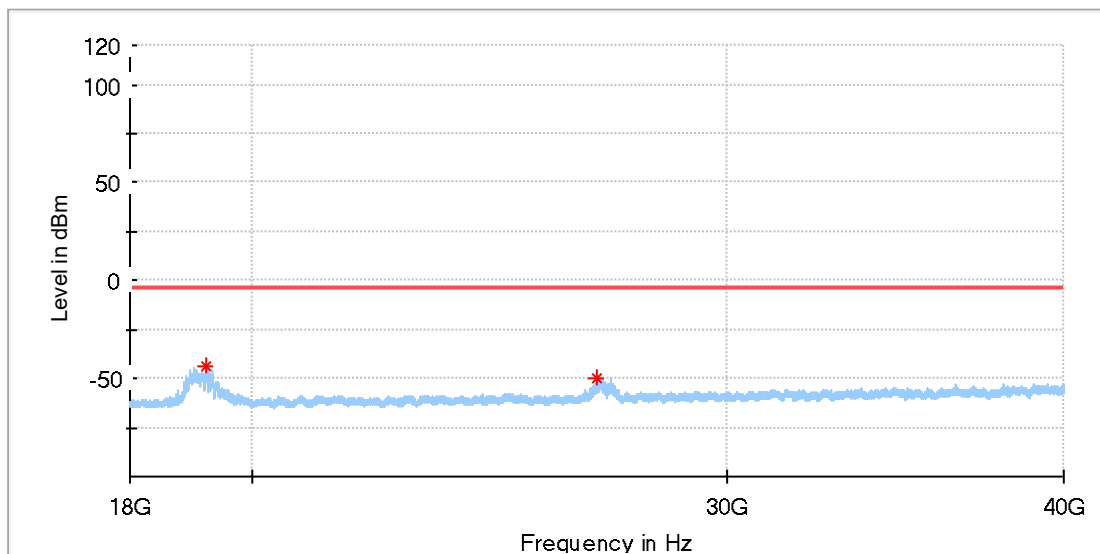
EUT Name: 5G RRU
Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7782.183333	-43.71	-13.00	30.71	150.0	V	0.0	-87.6
11561.133333	-42.84	-13.00	29.84	150.0	V	3.0	-81.6

EUT Name: 5G RRU
Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
Tested By: Kei Zhang
Reviewed By: Terry Yin



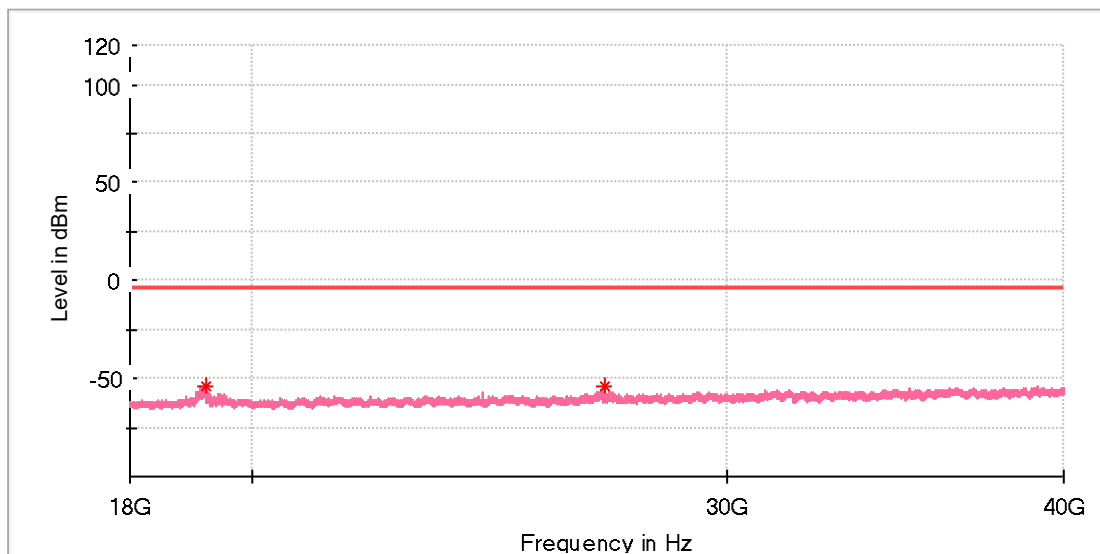
Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
19219.625000	-44.18	-3.43	40.75	150.0	H	0.0	-118.3
26852.937500	-50.17	-3.43	46.74	150.0	H	232.0	-114.8

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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EUT Name: 5G RRU
Model: MA64WA
Test Mode: 2C_200M
Order No/Sample No: 168342870/A003168776-004
Test Voltage:: DC -54.5V
Remark: Temp 23 Humi:54%
Test Standard: FCC Part 27
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)
19205.875000	-54.27	-3.43	50.84	150.0	V	0.0	-118.7
26998.000000	-54.12	-3.43	50.69	150.0	V	314.0	-115.4

Final Result

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