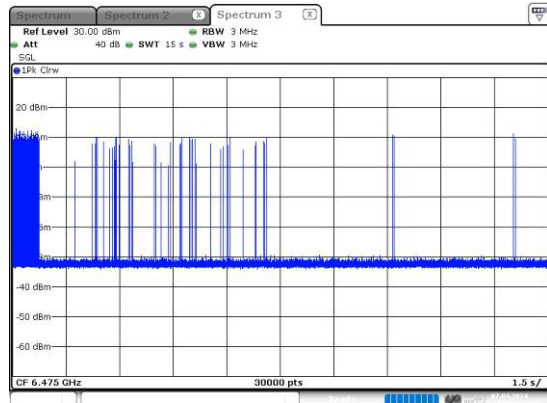
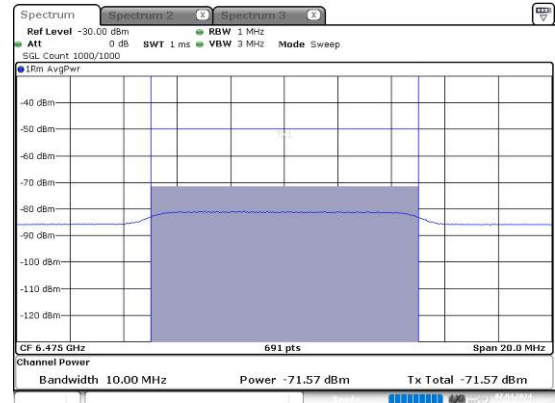


20M-6475-min-1



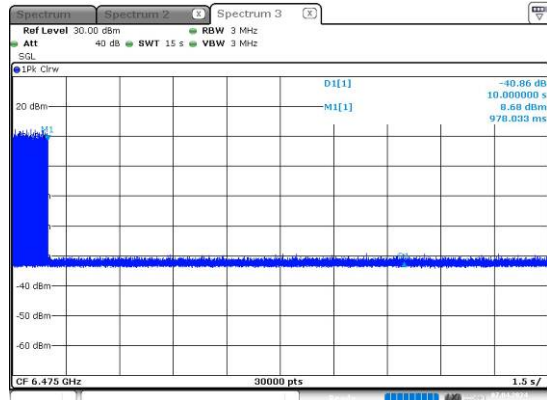
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Tester:Jojo Zhou
Date: 7.APR.2024 17:51:43

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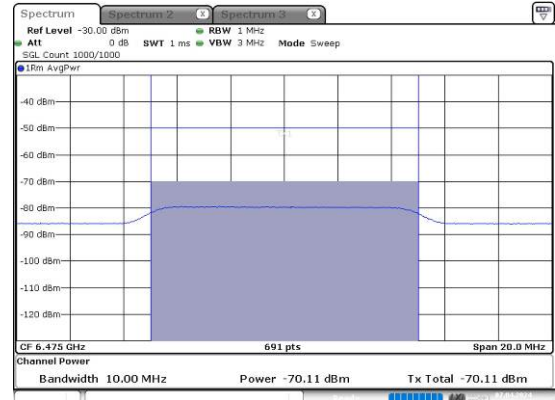
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Tester:Jojo Zhou
Date: 7.APR.2024 17:52:33

20M-6475-off-1



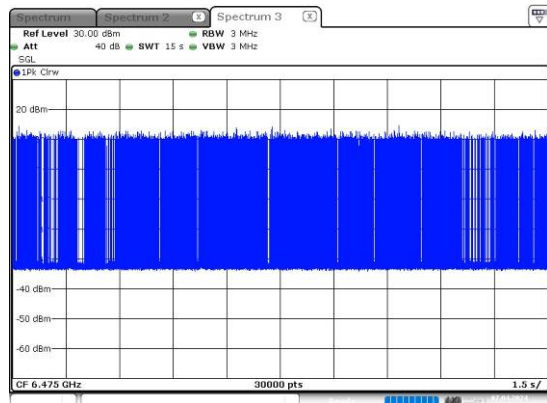
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Tester:Jojo Zhou
Date: 7.APR.2024 17:49:22

20M-6475-off-2



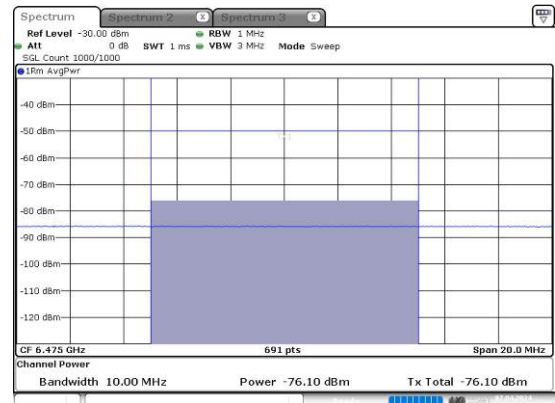
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Tester:Jojo Zhou
Date: 7.APR.2024 17:49:47

20M-6475-on-1



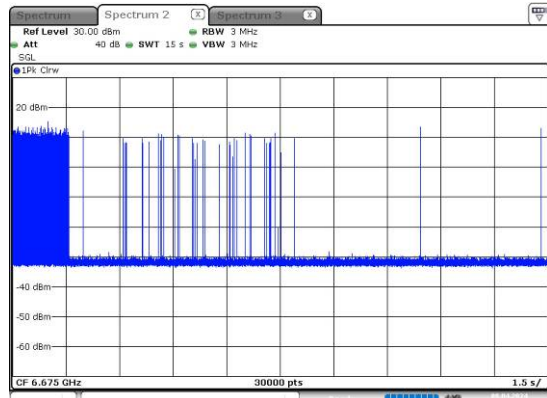
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Tester:Jojo Zhou
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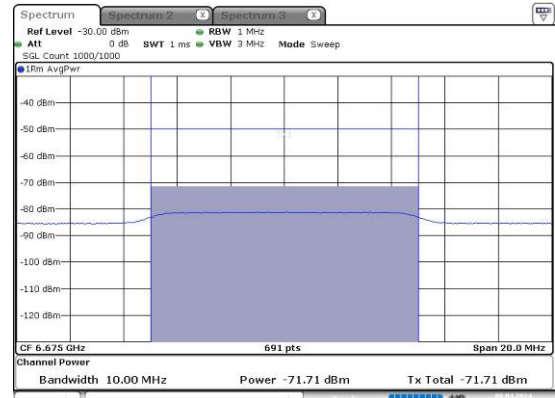
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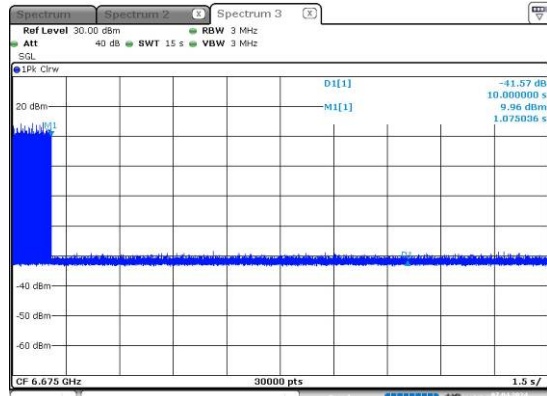
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Date: 6.APR.2024 09:42:32

20M-6675-min-2



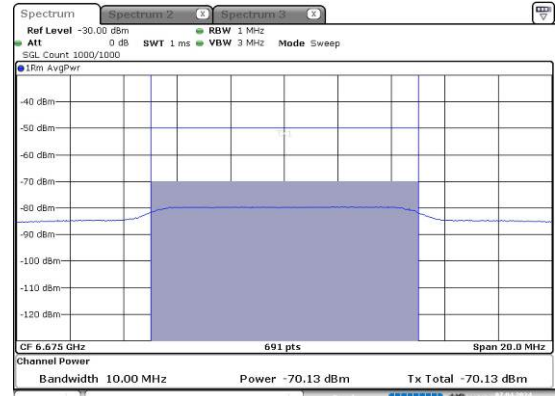
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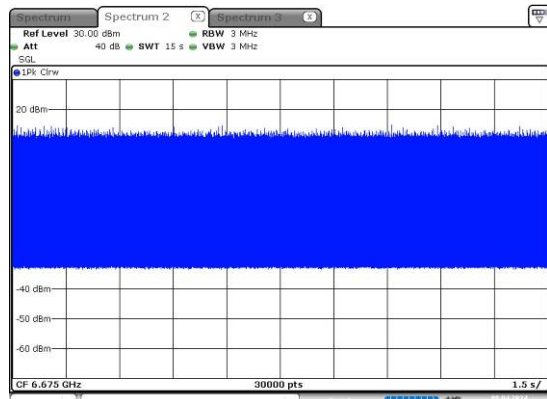
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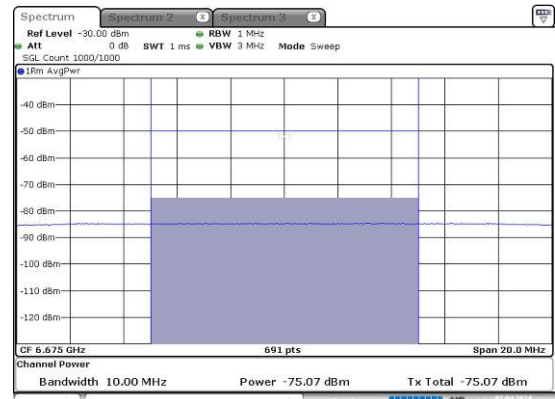
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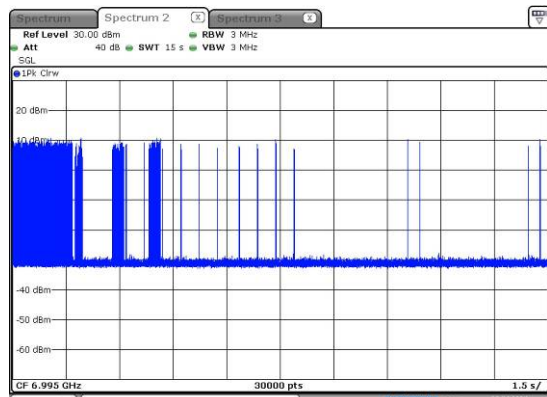
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20M-6675-on-2



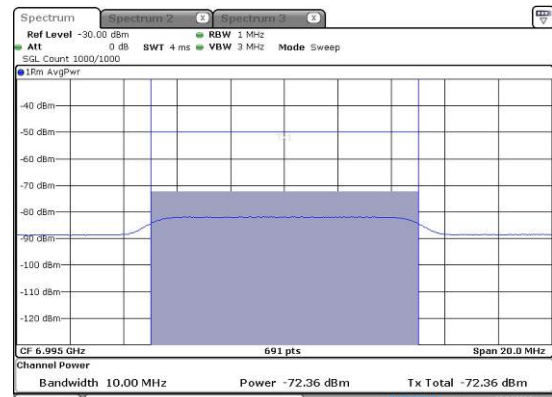
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20M-6995-min-1



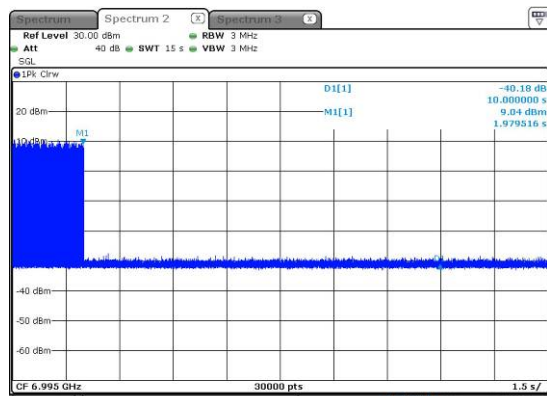
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20M-6995-min-2



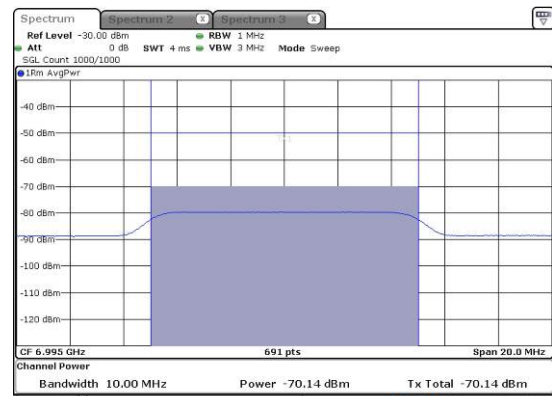
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20M-6995-off-1



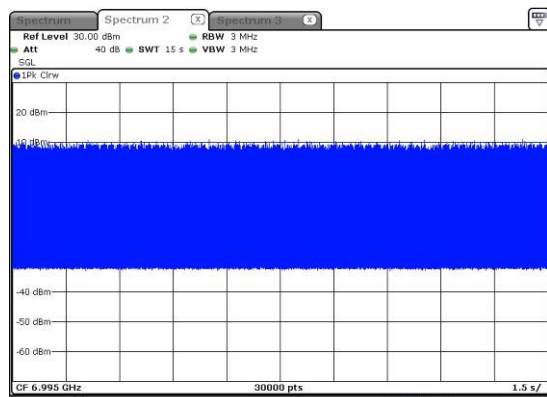
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20M-6995-off-2



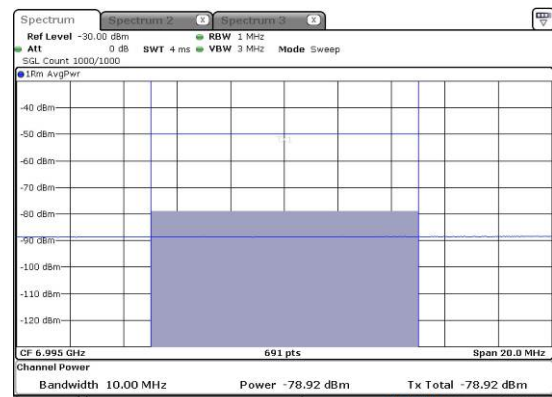
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20M-6995-on-1



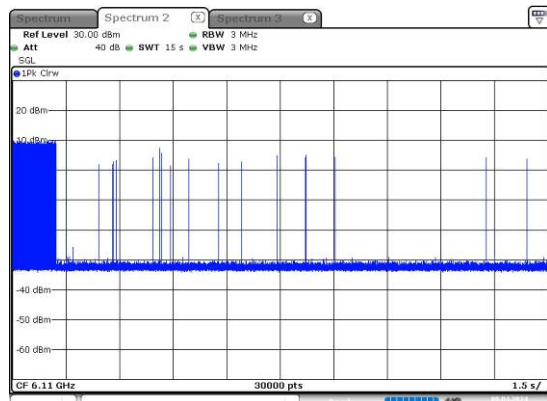
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Date: 8.APR.2024 10:27:59

20M-6995-on-2



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 7.APR.2024 18:07:28

160M-6110- min -1



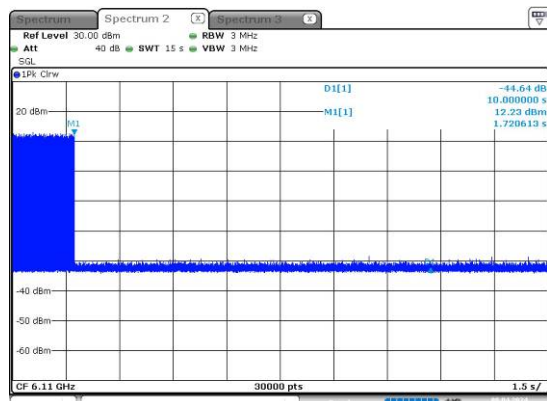
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Date: 8.APR.2024 11:11:04

160M-6110- min -2



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 8.APR.2024 11:11:47

160M-6110- off -1



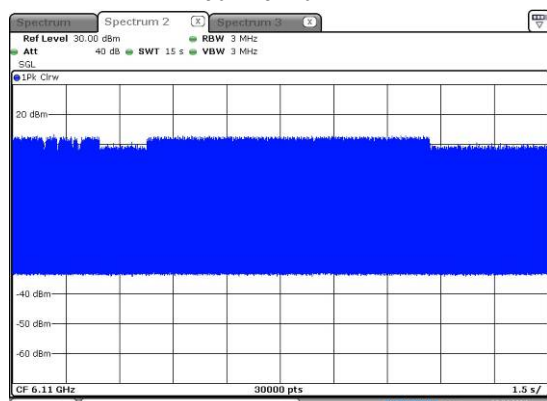
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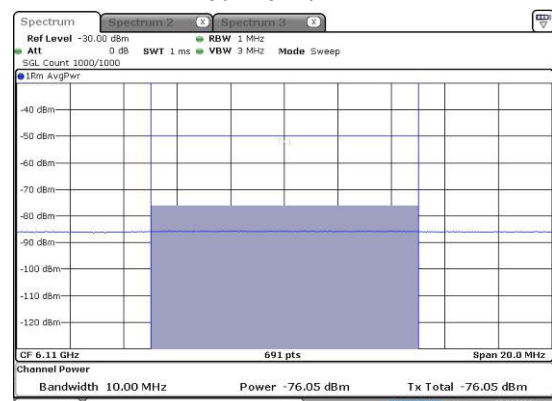
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160M-6110-on-1



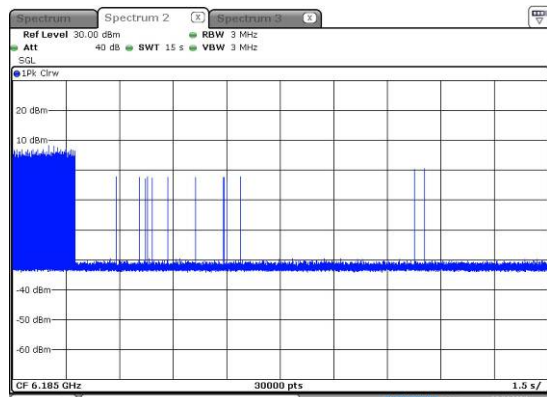
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160M-6110-on-2



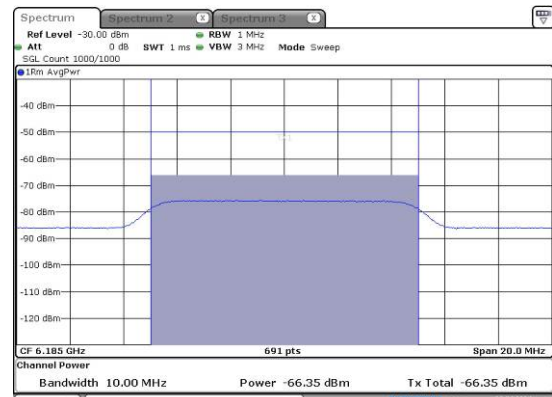
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160M-6185- min -1



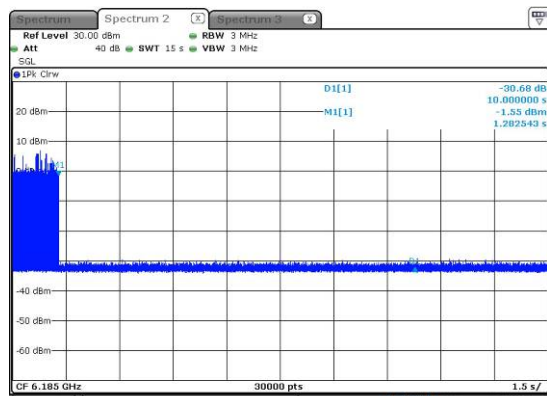
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160M-6185- min -2



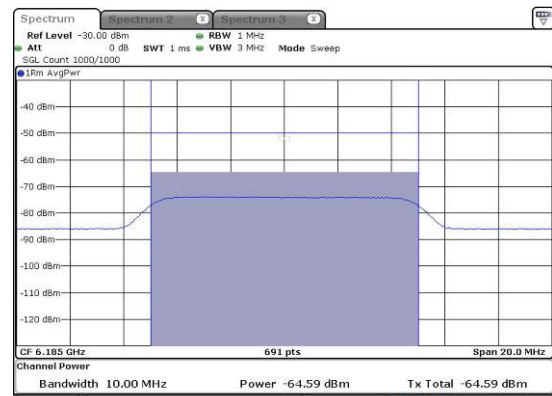
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160M-6185- off -1



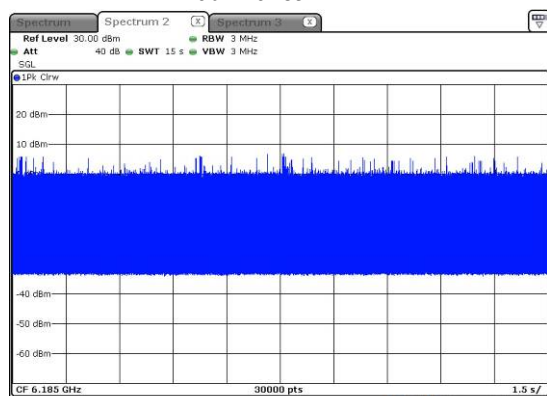
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160M-6185- off -2



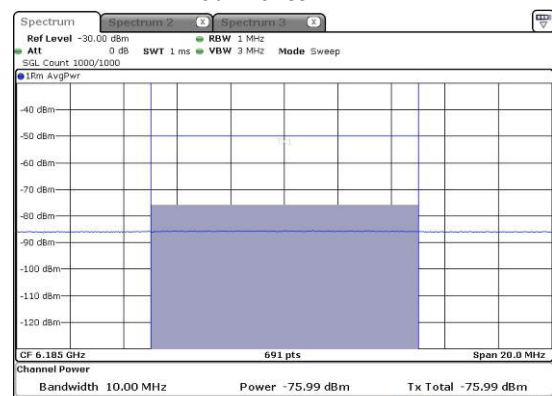
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160M-6185- on -1



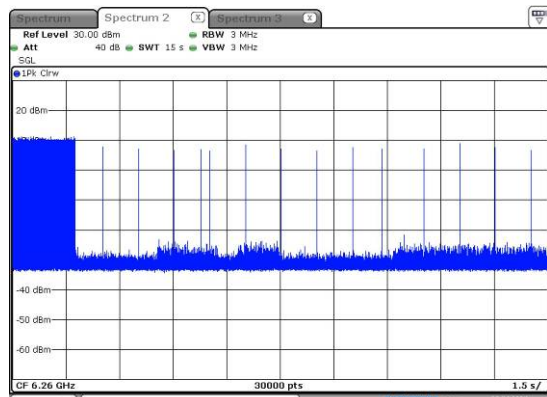
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160M-6185- on -2



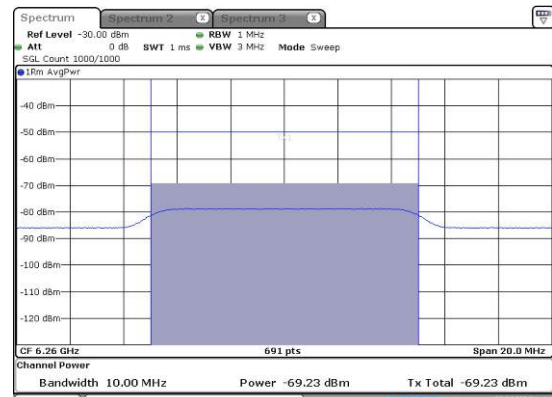
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160M-6260-min-1



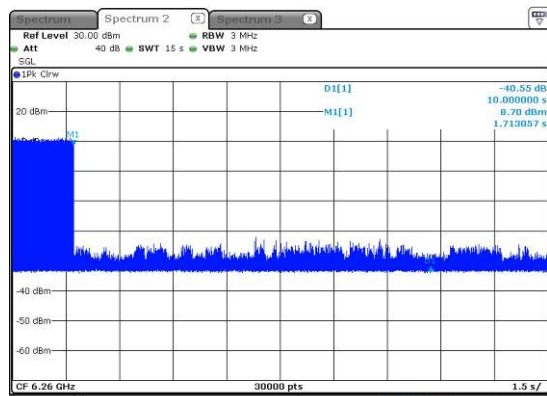
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160M-6260- min -2



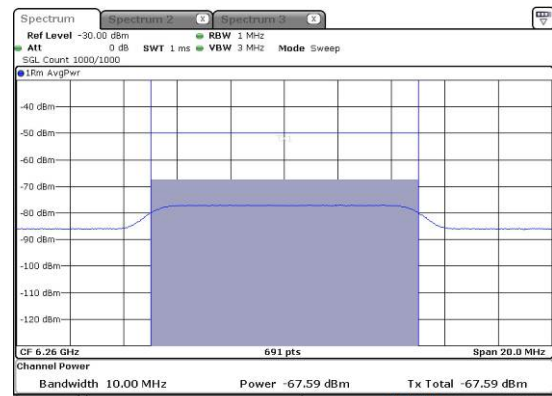
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Date: 8.APR.2024 13:30:27

160M-6260- off -1



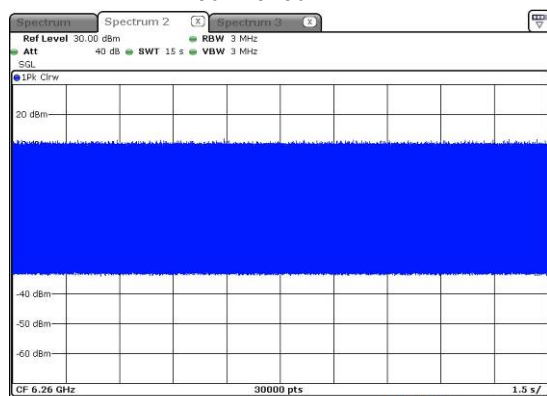
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160M-6260- off -2



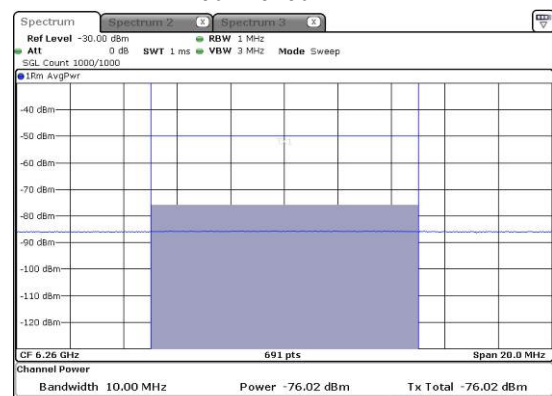
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160M-6260- on -1



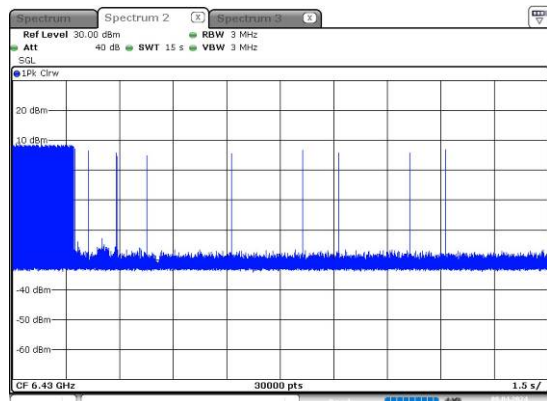
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Date: 8.APR.2024 13:28:24

160M-6260- on -2



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 8.APR.2024 11:42:58

160M-6430- min -1



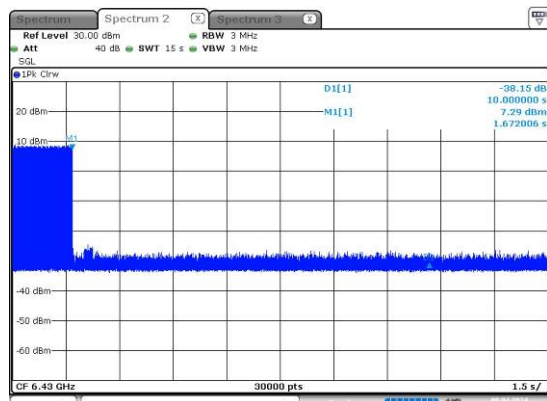
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Date: 8.APR.2024 13:54:53

160M-6430- min -2



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 8.APR.2024 13:56:01

160M-6430- off -1



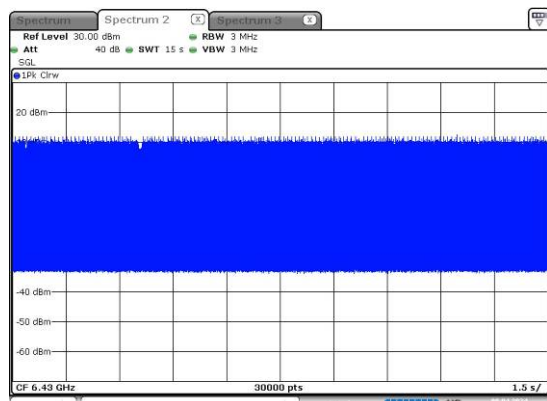
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Date: 8.APR.2024 13:50:39

160M-6430- off -2



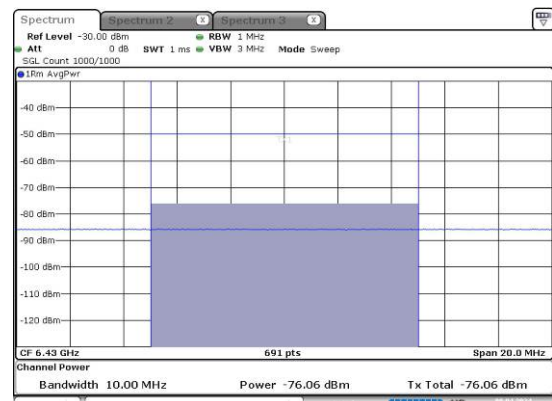
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Date: 8.APR.2024 13:57:04

160M-6430- on -1



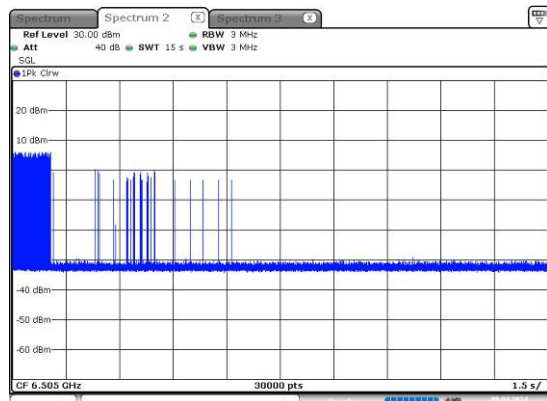
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160M-6430- on -2



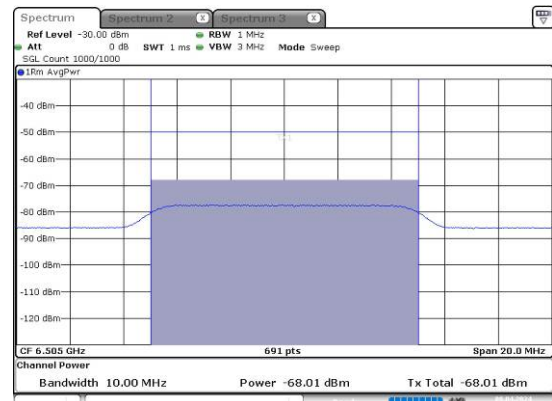
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160M-6505- min -1



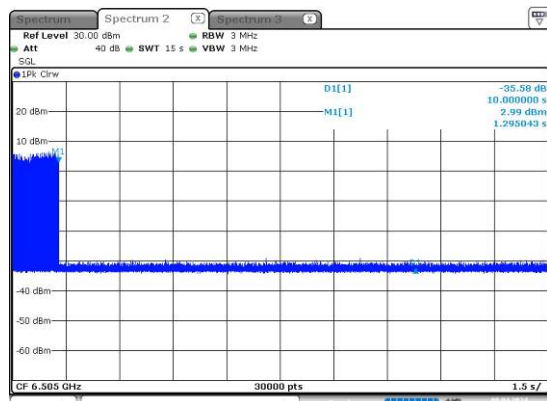
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160M-6505- min -2



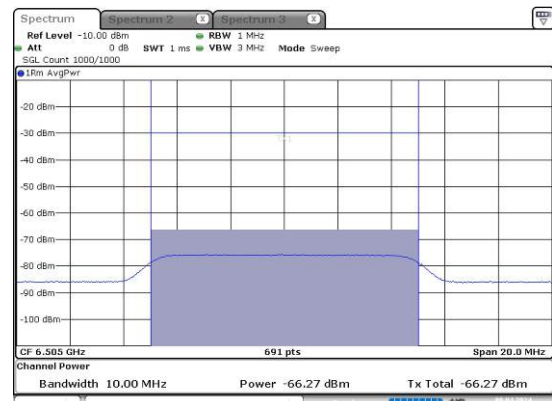
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160M-6505- off -1



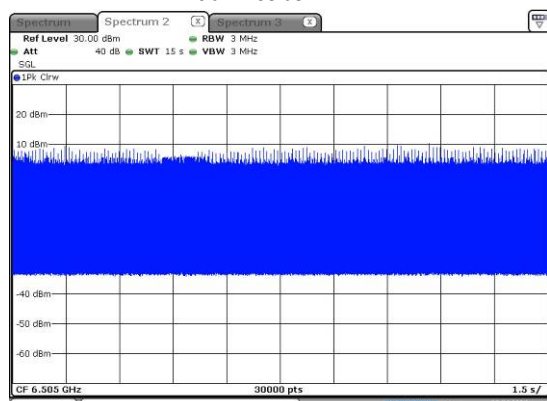
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160M-6505- off -2



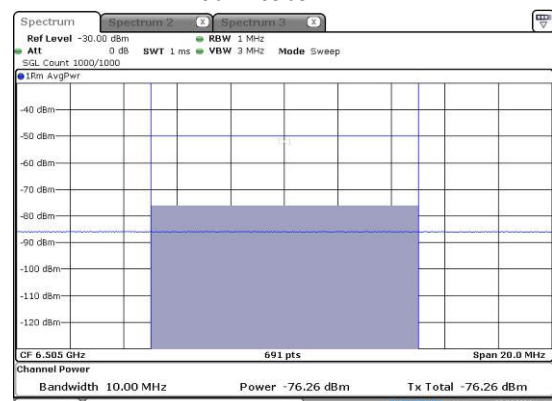
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160M-6505- on -1



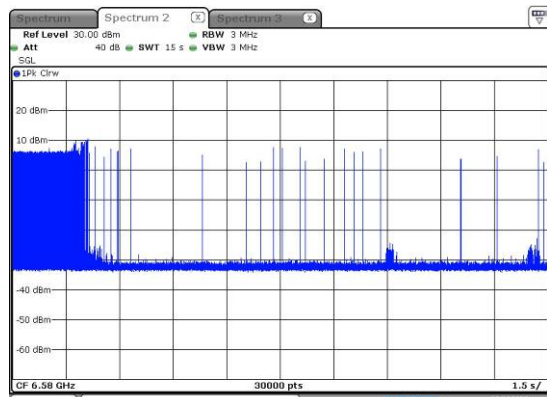
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160M-6505- on -2



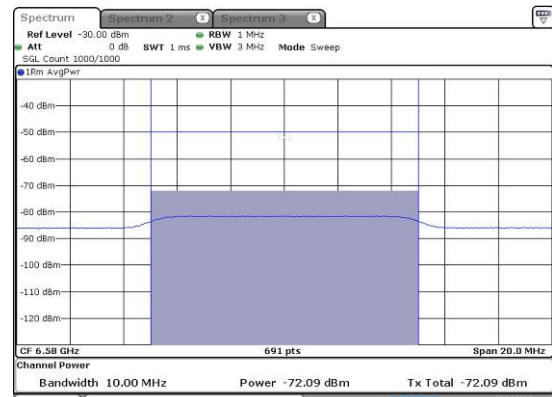
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160M-6580- min -1



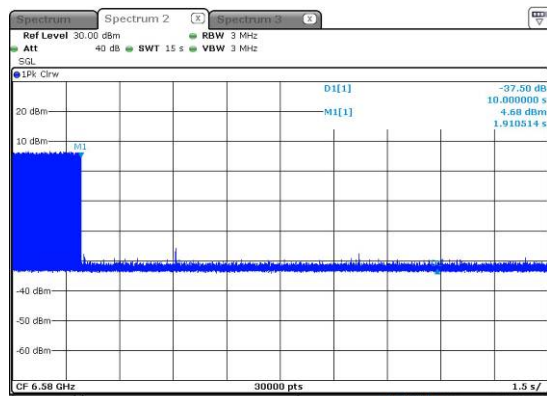
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160M-6580- min -2



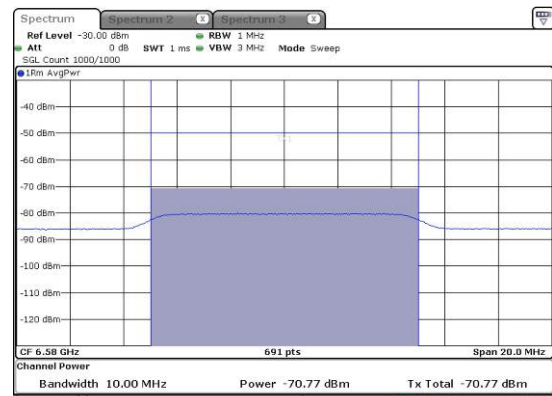
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160M-6580- off -1



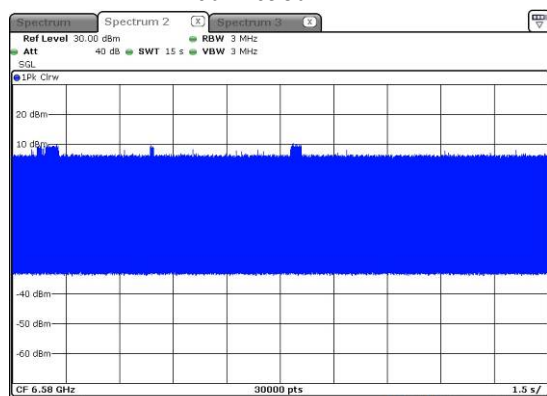
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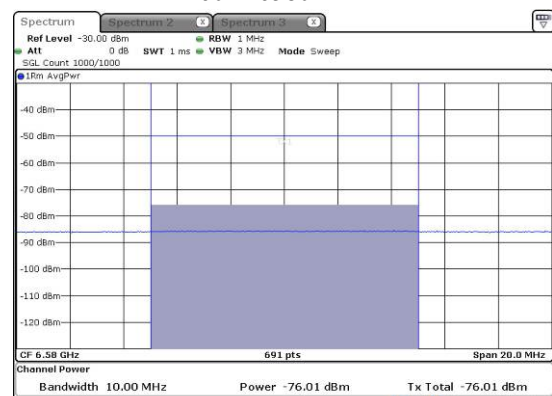
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160M-6580- on -1



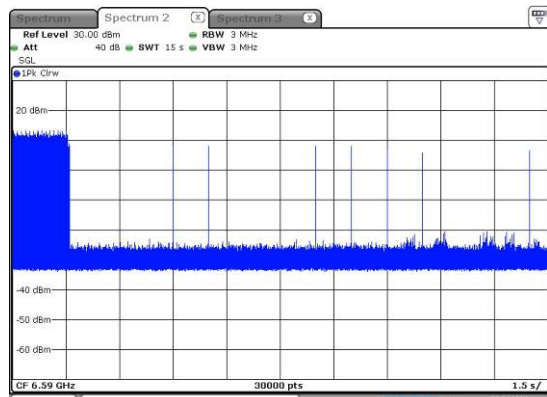
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160M-6580- on -2



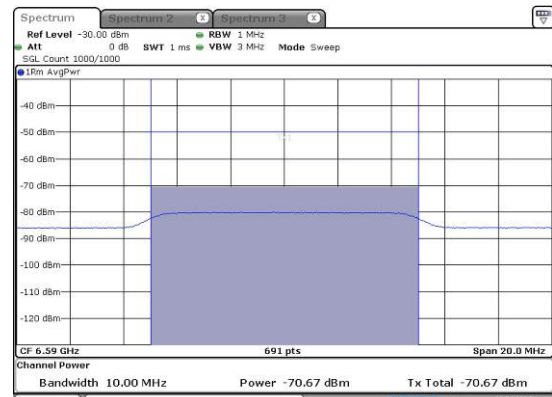
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160M-6590- min -1



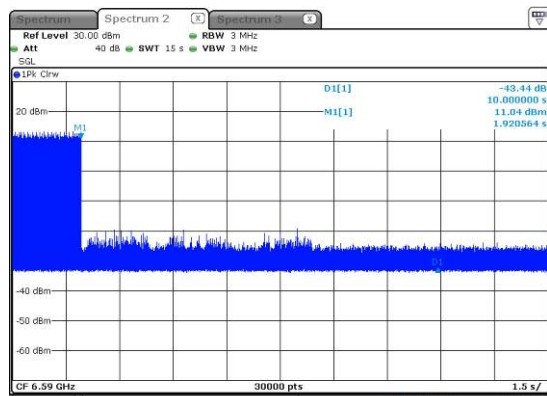
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160M-6590- min -2



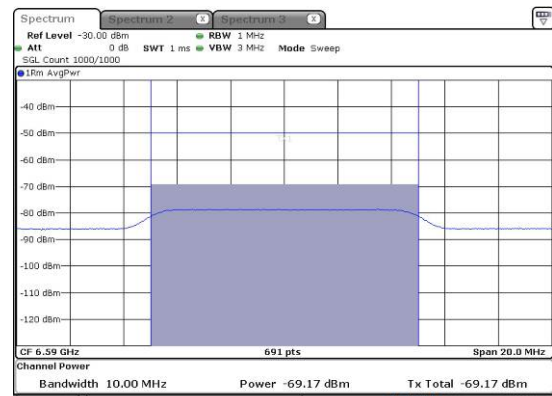
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Date: 8.APR.2024 15:34:24

160M-6590- off -1



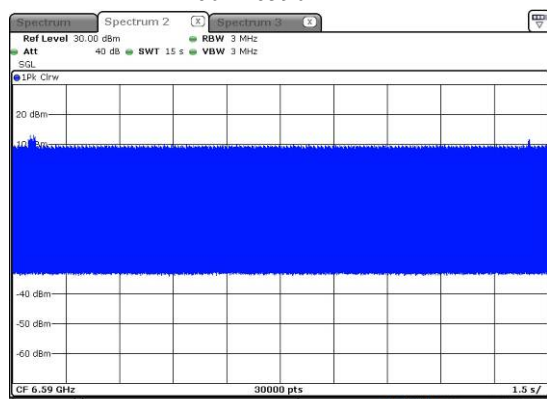
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160M-6590- off -2



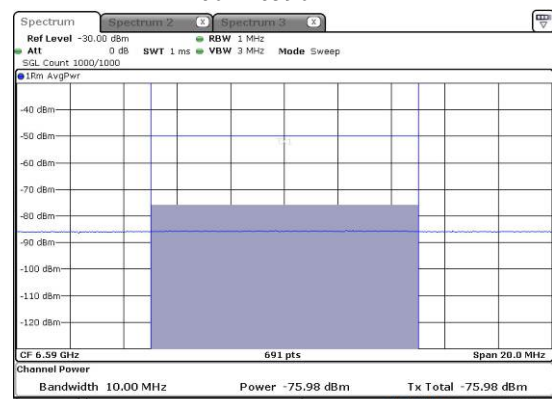
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160M-6590- on -1



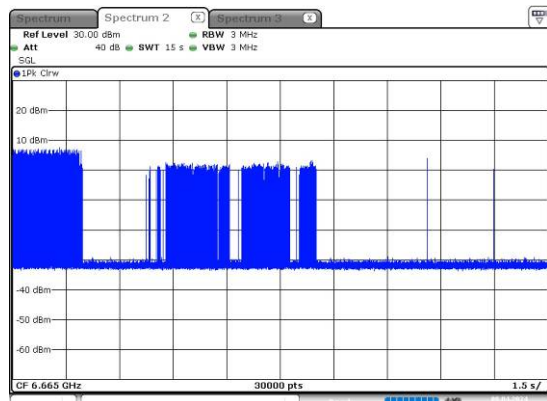
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Date: 8.APR.2024 15:17:50

160M-6590- on -2



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 8.APR.2024 15:35:44

160M-6665- min -1



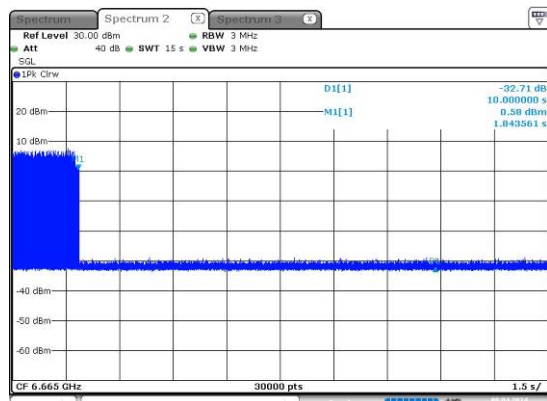
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160M-6665- min -2



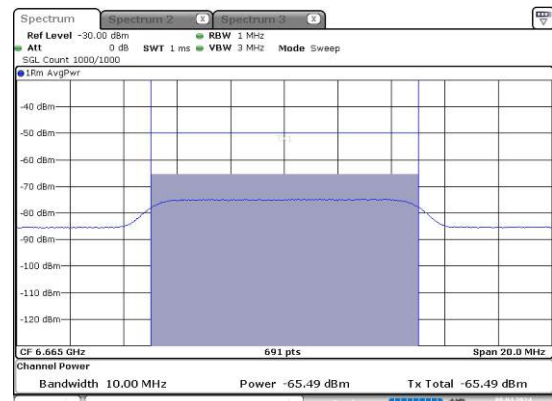
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160M-6665- off -1



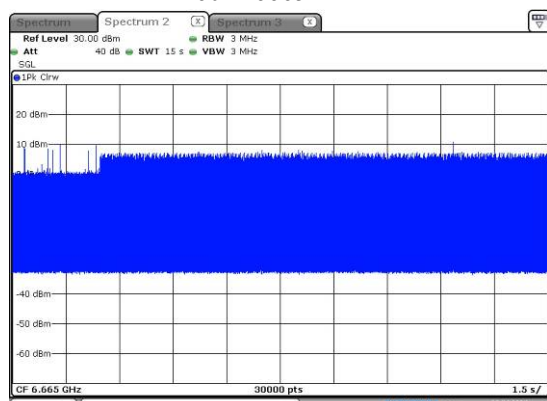
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Date: 8.APR.2024 16:23:32

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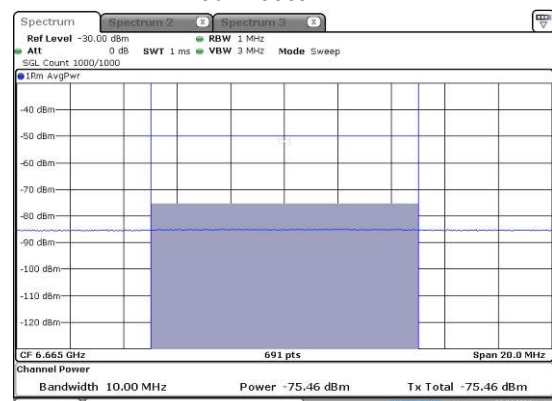
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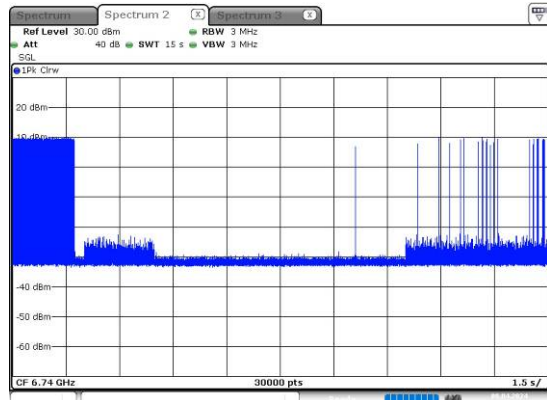
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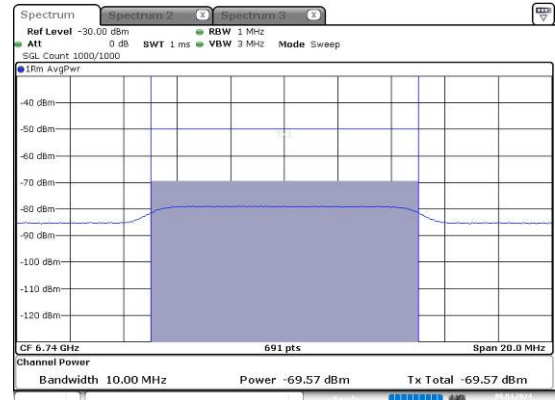
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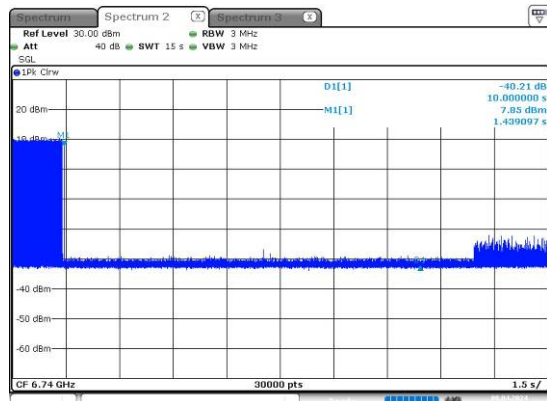
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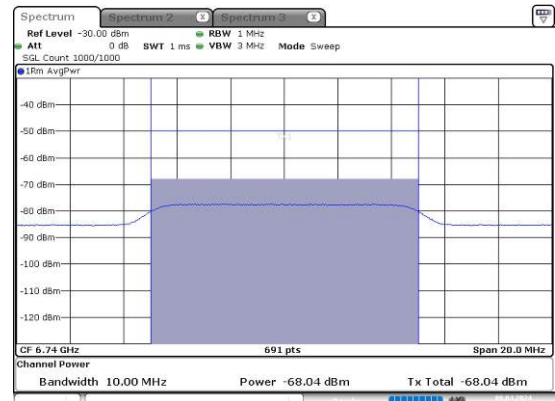
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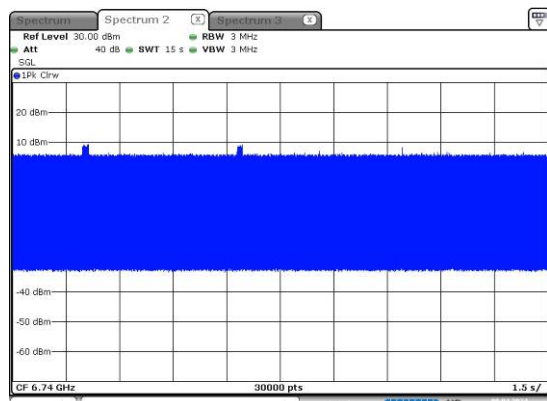
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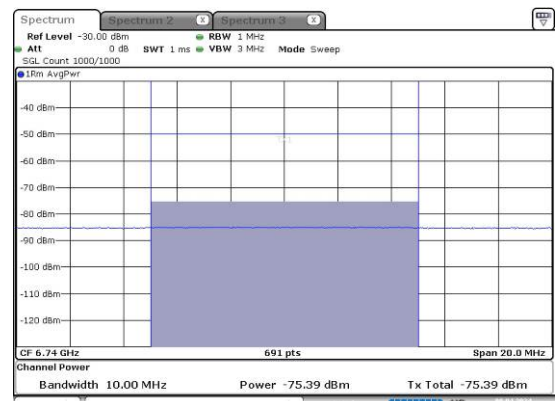
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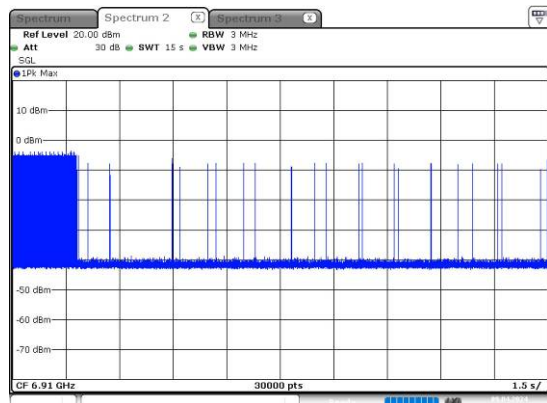
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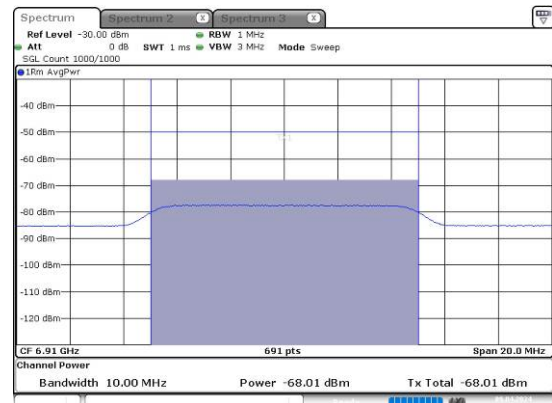
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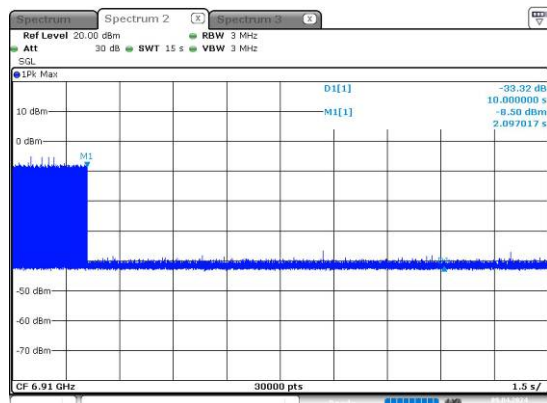
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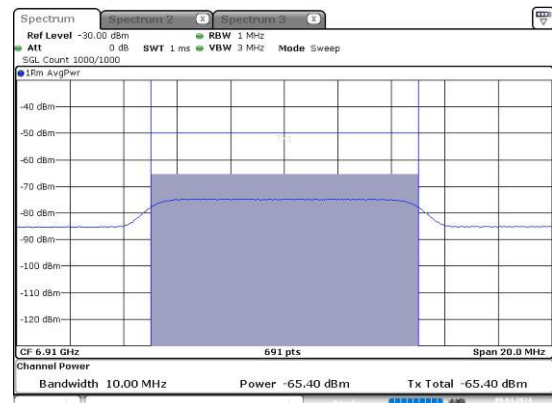
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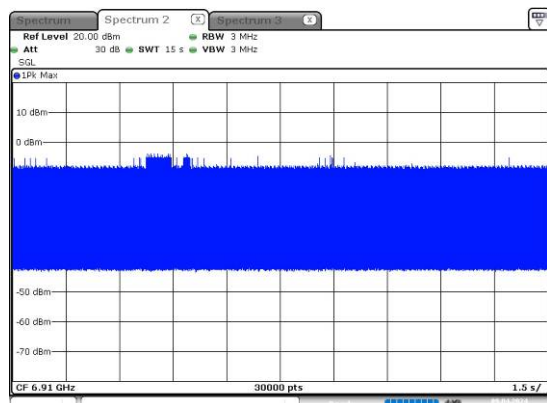
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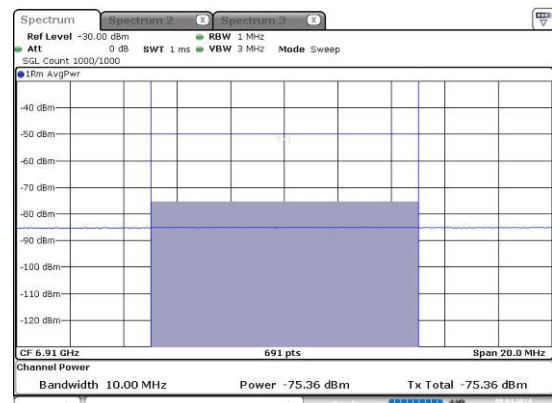
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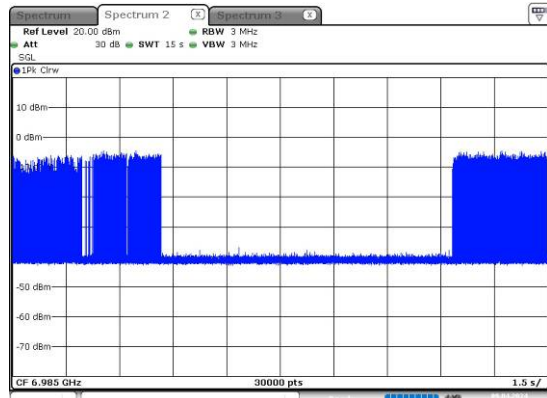
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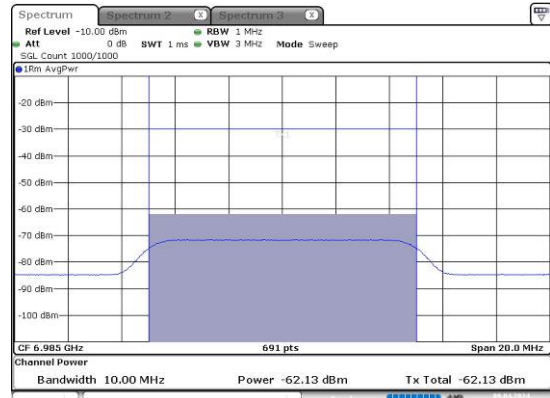
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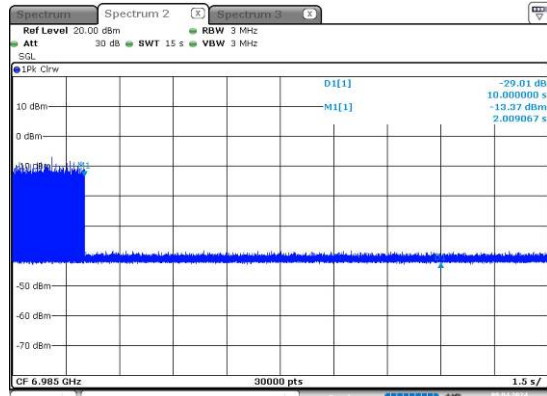
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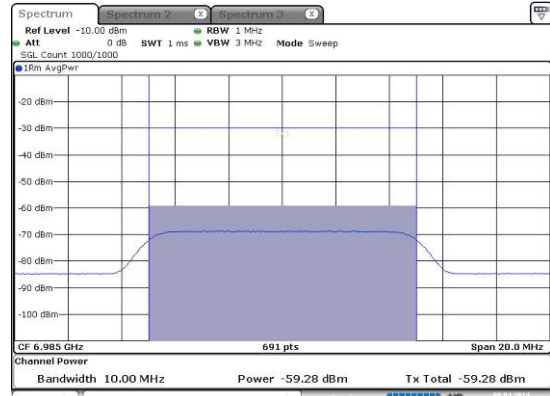
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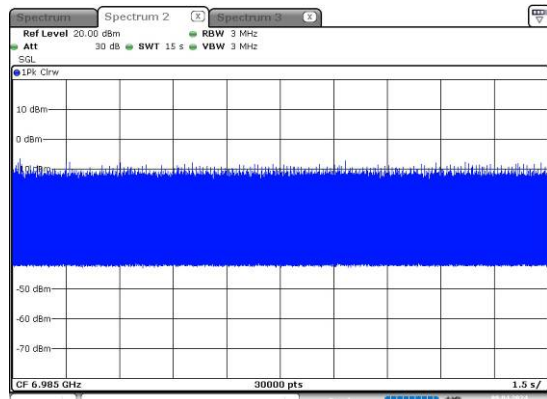
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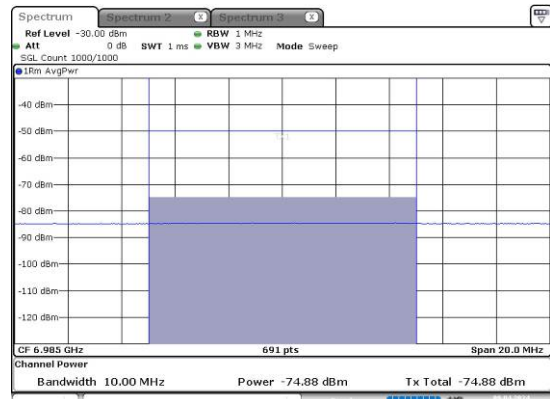
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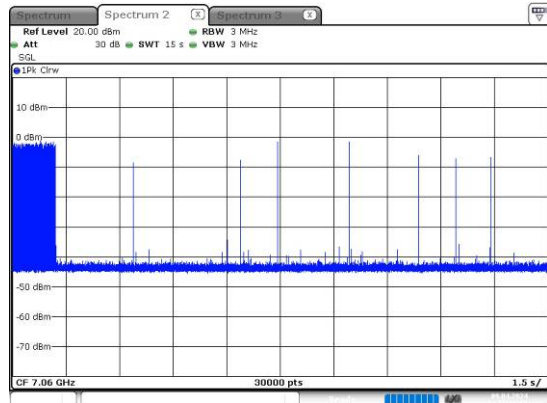
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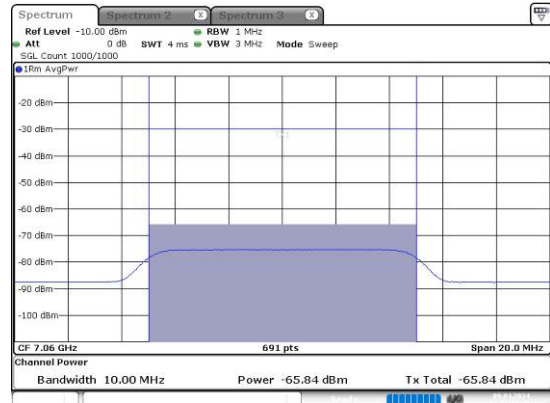
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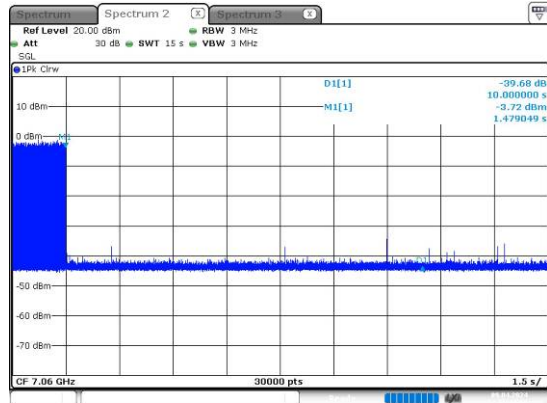
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160M-7060- min -2



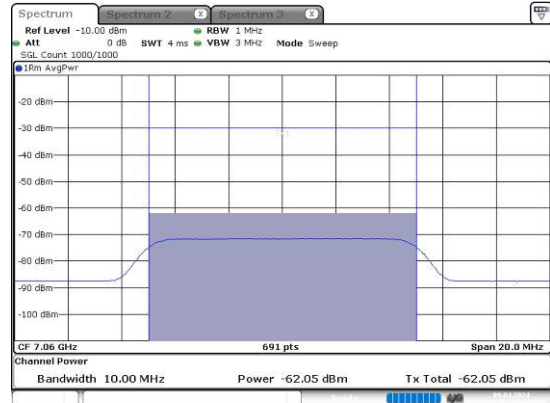
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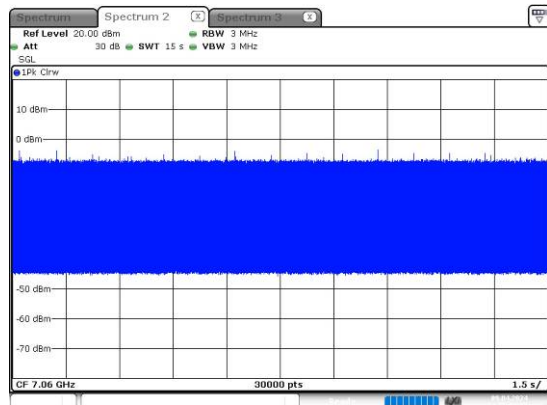
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160M-7060- off -2



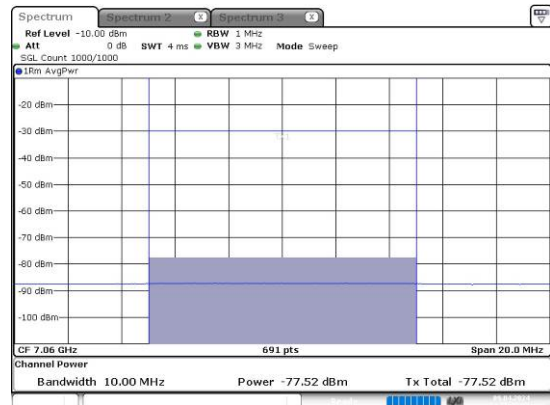
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160M-7060- on -1



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 9.APR.2024 12:03:19

160M-7060- on -2



ProjectNo.:DG2240228-09775ETester:Jojo Zhou
Date: 9.APR.2024 11:07:22

APPENDIX A - EUT PHOTOGRAPHS

Please refer to the attachment DG2240228-09775E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and DG2240228-09775E-RF-INP EUT INTERNAL PHOTOGRAPHS

APPENDIX B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment DG2240228-09775E-RF-00-TSP TEST SETUP PHOTOGRAPHS.

APPENDIX C - RF EXPOSURE EVALUATION

Maximum Permissible Exposure (MPE)

Applicable Standard

According to subpart §1.1310 systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

Frequency (MHz)	EIRP including Tune-up Tolerance		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
	(dBm)	(mW)			
5925-6425	13	19.95	20.00	0.004	1.0
6425-6525	13	19.95	20.00	0.004	1.0
6525-6875	14	25.12	20.00	0.005	1.0
6875-7125	14	25.12	20.00	0.005	1.0

Note:

The EIRP including Tune-up Tolerance provided by manufacturer

Result: The device meet FCC MPE at 20 cm distance

Exemption Limits For Routine Evaluation-RF Exposure Evaluation

Applicable Standard

According to RSS-102 clause 2.5.2:

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

Calculated Data:

Frequency (MHz)	EIRP including Tune-up Tolerance		Exemption limits (mW)
	(dBm)	(mW)	
5925-6425	13	19.95	4961
6425-6525	13	19.95	5000
6525-6875	14	25.12	5000
6875-7125	14	25.12	5000

Note: The EIRP including Tune-up Tolerance was provided by manufacturer.

Result: So the device is compliance with the exemption from Routine Evaluation Limits –RF exposure Evaluation.

***** END OF REPORT *****