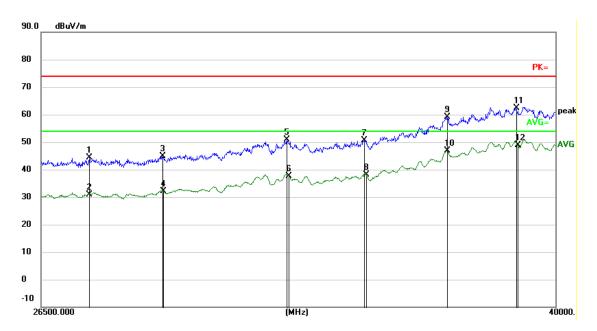




Certificate#5593.01

#### Report No.: AAEMT/RF/240507-01-01 TEST RESULTS (Between 26500MHz - 40000 MHz)

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5500MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27545.737	0.60	43.77	44.37	74.00	-29.63	peak
2	27545.737	0.60	30.38	30.98	54.00	-23.02	AVG
3	29192.225	1.06	43.87	44.93	74.00	-29.07	peak
4	29228.305	1.05	31.05	32.10	54.00	-21.90	AVG
5	32264.060	1.69	49.31	51.00	74.00	-23.00	peak
6	32317.241	1.70	36.05	37.75	54.00	-16.25	AVG
7	34333.648	2.02	48.54	50.56	74.00	-23.44	peak
8	34376.084	2.02	36.05	38.07	54.00	-15.93	AVG
9	36671.630	2.41	56.79	59.20	74.00	-14.80	peak
10	36671.630	2.41	44.54	46.95	54.00	-7.05	AVG
11	38751.749	2.76	59.64	62.40	74.00	-11.60	peak
12	38799.645	2.76	46.24	49.00	54.00	-5.00	AVG

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (6) Margin = Result Limit

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com



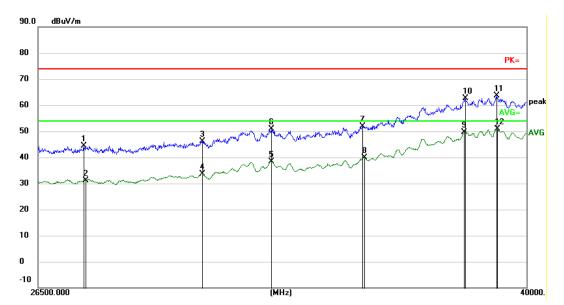
# AA Electro Magnetic Test Laboratory Private Limited



Certificate#5593.01

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5500MHz		

#### Report No.: AAEMT/RF/240507-01-01



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27545.737	0.60	43.89	44.49	74.00	-29.51	peak
2	27579.783	0.62	30.47	31.09	54.00	-22.91	AVG
3	30431.784	1.36	44.67	46.03	74.00	-27.97	peak
4	30431.784	1.36	32.37	33.73	54.00	-20.27	AVG
5	32250.779	1.68	36.66	38.34	54.00	-15.66	AVG
6	32264.060	1.69	49.31	51.00	74.00	-23.00	peak
7	34846.347	2.09	49.80	51.89	74.00	-22.11	peak
8	34889.416	2.09	37.68	39.77	54.00	-14.23	AVG
9	37962.132	2.63	47.10	49.73	54.00	-4.27	AVG
10	37977.766	2.64	59.88	62.52	74.00	-11.48	peak
11	39007.878	2.79	60.83	63.62	74.00	-10.38	peak
12	39023.943	2.79	48.17	50.96	54.00	-3.04	AVG

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (6) Margin = Result Limit

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Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com

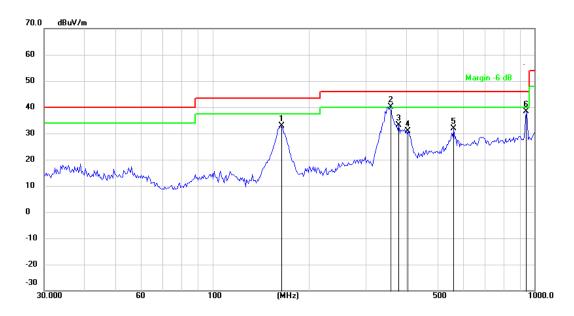




Certificate#5593.01

### Report No.: AAEMT/RF/240507-01-01 TEST RESULTS (Between 30M - 1000 MHz)

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE) FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	163.1623	-11.58	44.53	32.95	43.50	-10.55	QP
2	358.4497	-3.98	44.15	40.17	46.00	-5.83	QP
3	379.1780	-3.33	36.49	33.16	46.00	-12.84	QP
4	401.1050	-2.66	33.63	30.97	46.00	-15.03	QP
5	562.0143	0.12	31.69	31.81	46.00	-14.19	QP
6	945.3336	3.57	34.75	38.32	46.00	-7.68	QP

The test result is calculated as the following:

(7) Result = Reading + Correct Factor

- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com



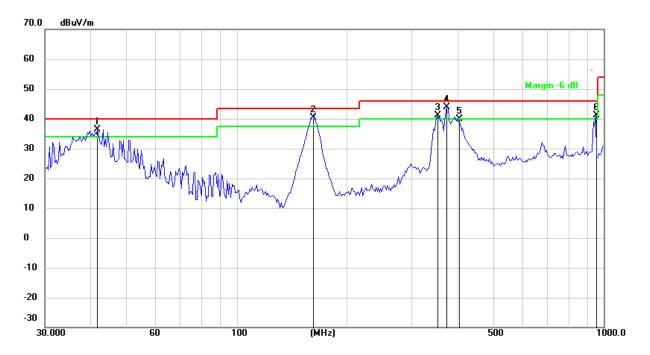
# AA Electro Magnetic Test Laboratory Private Limited



Certificate#5593.01

EUT:	B6x	Model Name. :	B6x				
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%				
Distance:	3m	Test Power:	AC 110V/60Hz				
Polarization:	Horizontal	Test Result:	Pass				
Standard:	(RE)FCC PART 15E	Tested By:	Aman				
Test Mode:	Keeping TX mode at 5745MHz						





No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.7406	-7.24	43.73	36.49	40.00	-3.51	QP
2	162.0197	-9.64	50.00	40.36	43.50	-3.14	QP
3	350.9722	-2.21	43.26	41.05	46.00	-4.95	QP
4	373.8861	-1.49	45.44	43.95	46.00	-2.05	QP
5	401.1050	-0.66	40.63	39.97	46.00	-6.03	QP
6	952.0001	6.75	34.46	41.21	46.00	-4.79	QP

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com

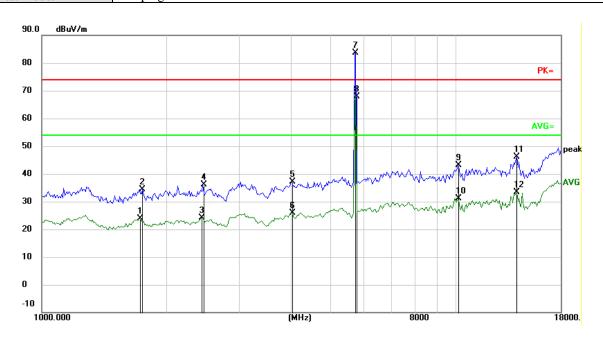




Certificate#5593.01

### Report No.: AAEMT/RF/240507-01-01 TEST RESULTS (Between 1000MHz - 18000 MHz)

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1723.710	-13.40	37.31	23.91	54.00	-30.09	AVG
2	1753.924	-13.62	48.00	34.38	74.00	-39.62	peak
3	2440.050	-11.99	36.21	24.22	54.00	-29.78	AVG
4	2454.225	-11.80	47.98	36.18	74.00	-37.82	peak
5	4015.488	-7.17	44.31	37.14	74.00	-36.86	peak
6	4015.488	-7.17	33.12	25.95	54.00	-28.05	AVG
7	5745.000	-7.03	90.76	83.73	74.00	9.73	peak
8	5750.479	-7.03	74.80	67.77	54.00	13.77	AVG
9	10144.496	-1.88	45.02	43.14	74.00	-30.86	peak
10	10144.496	-1.88	33.11	31.23	54.00	-22.77	AVG
11	14112.966	3.70	42.53	46.23	74.00	-27.77	peak
12	14112.966	3.70	29.62	33.32	54.00	-20.68	AVG

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass. The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com



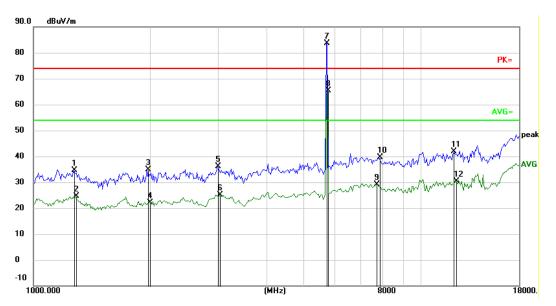
# **AA Electro Magnetic Test Laboratory Private Limited**



Certificate#5593.01

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		

#### Report No.: AAEMT/RF/240507-01-01



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1268.057	-12.85	47.39	34.54	74.00	-39.46	peak
2	1282.832	-12.79	37.47	24.68	54.00	-29.32	AVG
3	1969.348	-12.99	47.98	34.99	74.00	-39.01	peak
4	1992.295	-12.77	34.97	22.20	54.00	-31.80	AVG
5	2988.436	-9.67	45.81	36.14	74.00	-37.86	peak
6	3023.257	-9.65	34.85	25.20	54.00	-28.80	AVG
7	5745.000	-7.03	90.76	83.73	74.00	9.73	peak
8	5750.479	-7.03	72.33	65.30	54.00	11.30	AVG
9	7726.777	-3.92	33.00	29.08	54.00	-24.92	AVG
10	7816.810	-4.03	43.73	39.70	74.00	-34.30	peak
11	12210.372	-0.90	42.84	41.94	74.00	-32.06	peak
12	12352.648	-1.11	31.49	30.38	54.00	-23.62	AVG

Note: Markers 7 & 8 are the intentional frequencies from EUT, Hence considered as pass. The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com

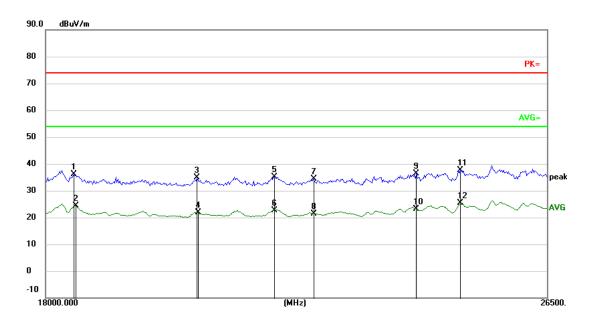




Certificate#5593.01

#### Report No.: AAEMT/RF/240507-01-01 TEST RESULTS (Between 18000MHz - 26500 MHz)

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18394.918	-15.70	51.94	36.24	74.00	-37.76	peak
2	18409.182	-15.71	40.05	24.34	54.00	-29.66	AVG
3	20234.949	-16.61	51.45	34.84	74.00	-39.16	peak
4	20250.639	-16.58	38.51	21.93	54.00	-32.07	AVG
5	21462.744	-15.56	50.69	35.13	74.00	-38.87	peak
6	21462.744	-15.56	38.30	22.74	54.00	-31.26	AVG
7	22138.594	-14.97	49.43	34.46	74.00	-39.54	peak
8	22138.594	-14.97	36.37	21.40	54.00	-32.60	AVG
9	23959.915	-13.91	50.39	36.48	74.00	-37.52	peak
10	23959.915	-13.91	37.10	23.19	54.00	-30.81	AVG
11	24791.143	-14.43	52.05	37.62	74.00	-36.38	peak
12	24791.143	-14.43	39.91	25.48	54.00	-28.52	AVG

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

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Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com



90.0

dBu¥/m



Certificate#5593.01

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		

#### Report No.: AAEMT/RF/240507-01-01

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-10 11	8000.C	000			(MHz)					26500.
	1		Frequency	Factor	Reading	Level	Limit	Margin		•
		No.	(MHz)	(dBuV/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	Detector	
		1	18394.918	-15.70	52.60	36.90	74.00	-37.10	peak	
		2	18409.182	-15.71	39.96	24.25	54.00	-29.75	AVG	
		3	20855.966	-16.07	38.25	22.18	54.00	-31.82	AVG	
		4	20888.321	-16.07	49.35	33.28	74.00	-40.72	peak	
		5	22397.489	-14.85	48.76	33.91	74.00	-40.09	peak	
		6	22449.631	-14.82	36.44	21.62	54.00	-32.38	AVG	
		7	24752.742	-14.43	51.06	36.63	74.00	-37.37	peak	
		8	24810.366	-14.45	39.69	25.24	54.00	-28.76	AVG	
		9	25394.039	-13.62	51.21	37.59	74.00	-36.41	peak	
		10	25394.039	-13.62	39.68	26.06	54.00	-27.94	AVG	-
		11	26031.765	-14.28	51.81	37.53	74.00	-36.47	peak	
		12	26031.765	-14.28	39.45	25.17	54.00	-28.83	AVG	•

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

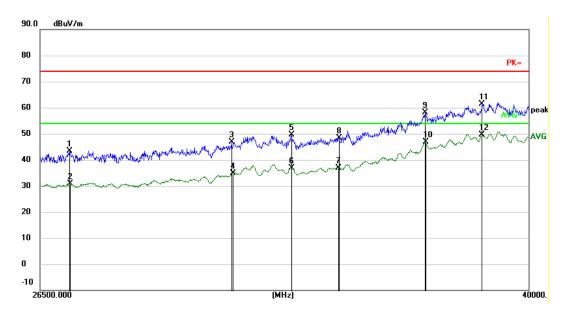
Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com





## TEST RESULTS (Between 26500MHz – 40000 MHz)

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27162.812	0.50	43.00	43.50	74.00	-30.50	peak
2	27173.998	0.50	30.41	30.91	54.00	-23.09	AVG
3	31141.606	1.49	45.32	46.81	74.00	-27.19	peak
4	31167.261	1.49	33.46	34.95	54.00	-19.05	AVG
5	32745.855	1.77	47.95	49.72	74.00	-24.28	peak
6	32745.855	1.77	35.22	36.99	54.00	-17.01	AVG
7	34080.134	1.97	34.80	36.77	54.00	-17.23	AVG
8	34094.169	1.98	46.46	48.44	74.00	-25.56	peak
9	36656.534	2.41	55.62	58.03	74.00	-15.97	peak
10	36671.630	2.41	44.35	46.76	54.00	-7.24	AVG
11	38465.612	2.71	58.76	61.47	74.00	-12.53	peak
12	38465.612	2.71	47.03	49.74	54.00	-4.26	AVG

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com



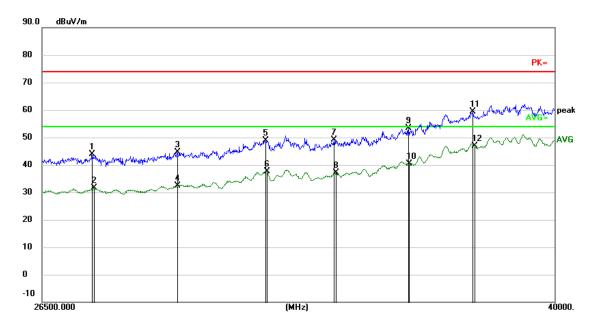
# **AA Electro Magnetic Test Laboratory Private Limited**



Certificate#5593.01

EUT:	B6x	Model Name. :	B6x
Temperature:	25.4 °C	<b>Relative Humidity:</b>	53%
Distance:	3m	Test Power:	AC 110V/60Hz
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE)FCC PART 15E	Tested By:	Aman
Test Mode:	Keeping TX mode at 5745MHz		

#### Report No.: AAEMT/RF/240507-01-01



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27579.783	0.62	43.22	43.84	74.00	-30.16	peak
2	27625.243	0.62	30.96	31.58	54.00	-22.42	AVG
3	29530.717	1.15	43.44	44.59	74.00	-29.41	peak
4	29555.044	1.16	31.32	32.48	54.00	-21.52	AVG
5	31723.978	1.59	47.33	48.92	74.00	-25.08	peak
6	31737.043	1.59	36.11	37.70	54.00	-16.30	AVG
7	33509.652	1.89	47.17	49.06	74.00	-24.94	peak
8	33564.886	1.90	35.11	37.01	54.00	-16.99	AVG
9	35571.155	2.22	51.05	53.27	74.00	-20.73	peak
10	35585.804	2.22	38.15	40.37	54.00	-13.63	AVG
11	37465.242	2.55	56.71	59.26	74.00	-14.74	peak
12	37526.996	2.56	44.36	46.92	54.00	-7.08	AVG

The test result is calculated as the following:

- (7) Result = Reading + Correct Factor
- (8) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (9) Margin = Result Limit

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: www.aaemtlabs.com



# AA Electro Magnetic Test Laboratory Private Limited



#### Report No.: AAEMT/RF/240507-01-01

The field strength is calculated by adding the Antenna Factor. Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor –Preamplifier Factor.

Average measurement was not performed if peak level lower than average limit.

No any other emissions level very low which are attenuated less than 20dB below the limit.

According to 15.31(o), The amplitude of spurious emissions from intentional radiators and emissions from unintentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this Part.

Hence there no other emissions have been reported.

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

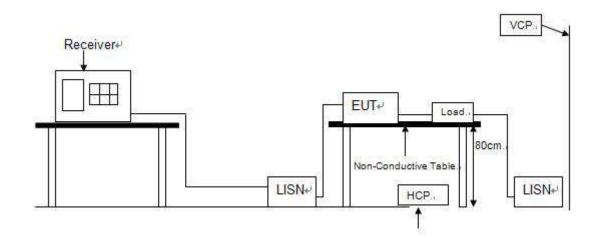
Contact:0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: <u>www.aaemtlabs.com</u> Decision Rule Used: Simple Acceptance (i.e., w = 0, Acceptance Limit = Tolerance Limit) as Per ILAC-G8:09/2019 AAEMT/A2LA/TRF/FCC-15E/24\_01\_REV1





# 9. POWER LINE CONDUCTED EMISSION

### 9.1. Block diagram of test setup



#### 9.2. Power Line Conducted Emission Limits

Frequency	Quasi-Peak Level dB(µV)	Average Level dB(µV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.





#### 9.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

#### 9.4. Test Result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "-----" means peak detection; "-----" means average detection

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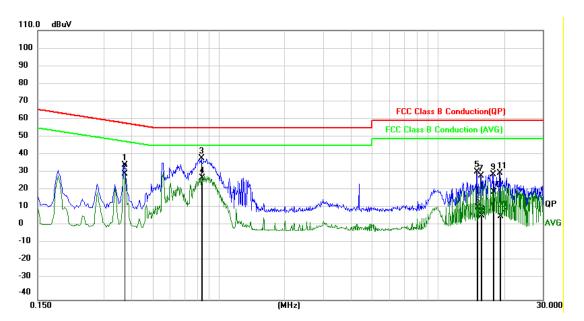




Certificate#5593.01

EUT:	B6x	Model Name. :	B6x
Temperature:	24.5 °C	<b>Relative Humidity:</b>	52%
Probe:	Line	Test Power:	AC 110V/60Hz
Test Mode:	TX	Test Result:	Pass
Standard:	(CE)FCC PART 15 E_QP		

#### Report No.: AAEMT/RF/240507-01-01



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.3750	24.50	10.76	35.26	58.39	-23.13	QP
2		0.3751	19.52	10.76	30.28	48.39	-18.11	AVG
3	*	0.8384	27.96	10.86	38.82	56.00	-17.18	QP
4		0.8429	17.03	10.87	27.90	46.00	-18.10	AVG
5		15.0405	20.42	11.05	31.47	60.00	-28.53	QP
6		15.0900	0.49	11.05	11.54	50.00	-38.46	AVG
7		15.6930	18.14	11.05	29.19	60.00	-30.81	QP
8		15.7470	-4.02	11.05	7.03	50.00	-42.97	AVG
9		17.7945	19.00	11.07	30.07	60.00	-29.93	QP
10		17.9070	9.04	11.07	20.11	50.00	-29.89	AVG
11		19.1130	19.49	11.07	30.56	60.00	-29.44	QP
12		19.1400	-4.27	11.07	6.80	50.00	-43.20	AVG

The test result is calculated as the following:

- (1) Result = Reading + Correct Factor
- (2) Correct Factor = (LISN, ISN, PLC or Current Probe) Factor + Cable Loss + Attenuator
- (3) Margin = Result Limit

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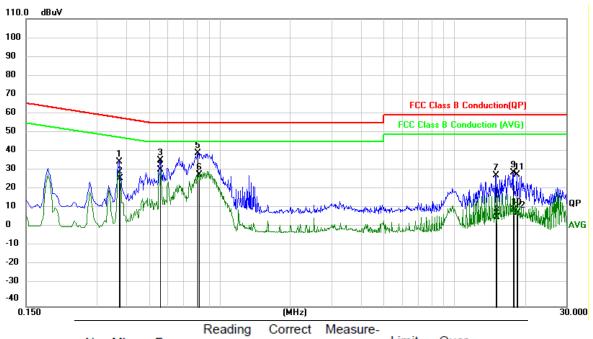




Certificate#5593.01

EUT:	B6x	Model Name. :	B6x
Temperature:	24.5 °C	<b>Relative Humidity:</b>	52%
Probe:	Neutral	Test Power:	AC 110V/60Hz
Test Mode:	TX	Test Result:	Pass
Standard:	(CE)FCC PART 15 E_QP		

#### Report No.: AAEMT/RF/240507-01-01



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.3750	24.65	10.76	35.41	58.39	-22.98	QP
2		0.3771	16.03	10.76	26.79	48.34	-21.55	AVG
3		0.5595	25.38	10.80	36.18	56.00	-19.82	QP
4	*	0.5595	20.71	10.80	31.51	46.00	-14.49	AVG
5		0.8070	29.13	10.86	39.99	56.00	-16.01	QP
6		0.8160	18.04	10.86	28.90	46.00	-17.10	AVG
7		15.0405	17.49	11.05	28.54	60.00	-31.46	QP
8		15.1080	-4.21	11.05	6.84	50.00	-43.16	AVG
9		17.7945	18.86	11.07	29.93	60.00	-30.07	QP
10		17.8980	-0.61	11.07	10.46	50.00	-39.54	AVG
11		18.5009	17.77	11.07	28.84	60.00	-31.16	QP
12		18.5640	-2.19	11.07	8.88	50.00	-41.12	AVG

The test result is calculated as the following:

(1) Result = Reading + Correct Factor

(2) Correct Factor = (LISN, ISN, PLC or Current Probe) Factor + Cable Loss + Attenuator

(3) Margin = Result – Limit

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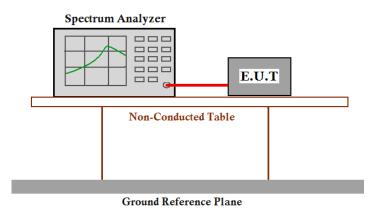


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# **10. CONDUCTED SPURIOUS EMISSIONS**

Test Requirement:	FCC Part 15 C section 15.407				
	(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits.				
Test Method:	ANSI C63.10: Clause 6.7				
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below. Pre-test the EUT under 2 modes: power-supplied by using the AC adapter and power-supplied by using internal battery. After pre-testing, we found the worst case is the test mode of				

Test Configuration:



EUT power-supplied by using internal battery.

Test Procedure:

- 1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
- 2. Set the spectrum analyzer: RBW=100 KHz, VBW = 300KHz. Sweep = auto; Detector Function = Peak. Trace = Max Hold, Scan up through 10th harmonic.
- 3. Measure the Conducted Spurious Emissions of the test frequency with special test status.
- 4. Repeat until all the test status is investigated.
- 5. Report the worse case.

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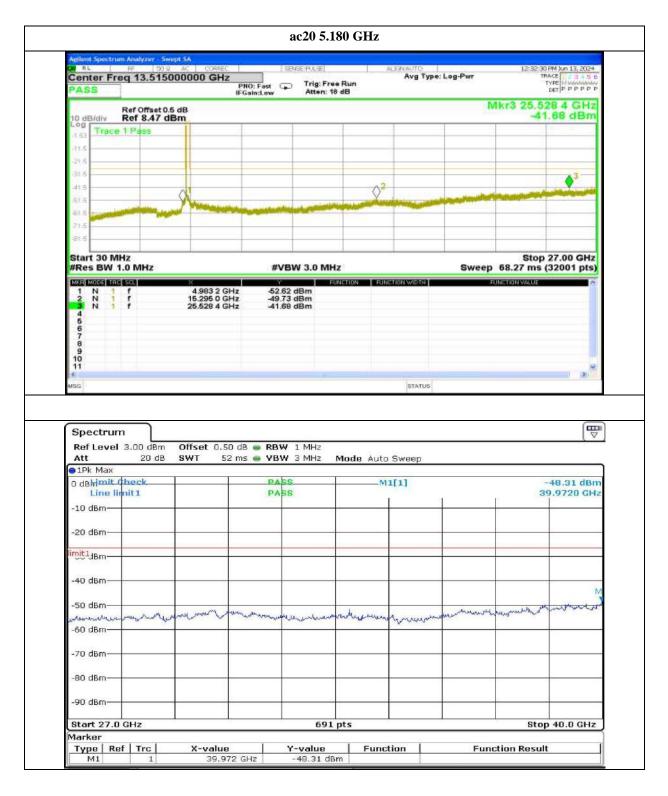
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#### **Result plot as follows:**

#### Antenna 0:



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Spectrum Ref Level 3.00 dBm Att 20 dB 1Pk Max 0 dBMinit Check Line limit1		● VBW 3		Auto Swee			05 dBn
Spectrum Ref Level 3.00 dBm Att 20 dB 1Pk Max 0 dBMinit Check Line limit1		• VBW 3		Auto Swee			05 dBn
Spectrum Ref Level 3.00 dBm Att 20 dB PIPk Max 0 dBhinit Check Line limit1 -10 dBm -20 dBm		• VBW 3		Auto Swee			05 dBn
Spectrum Ref Level 3.00 dBm Att 20 dB P1Pk Max 0 dBkimit Check Line limit1 -10 dBm -20 dBm		• VBW 3		Auto Swee			05 dBn
Spectrum Ref Level 3.00 dBm Att 20 dB 1Pk Max 0 dBlyimit Check Line limit1 -10 dBm -20 dBm -40 dBm	3 SWT 52 ms	PASS PASS	MHz Mode	Auto Swee	p	39.14	05 dBn 40 GH:
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Spectrum Ref Level 3.00 dBm Att 20 dB 1Pk Max 0 dBkimit Check Line limit1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm	3 SWT 52 ms	PASS PASS	MHz Mode	Auto Swee	p	39.14	05 dBm 40 GH:
Spectrum Ref Level 3.00 dBm Att 20 dB PIPk Max 0 dBkimit Check Line limit1 -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm	3 SWT 52 ms	PASS PASS	MHz Mode	Auto Swee	p	39.14	05 dBm 40 GH:
Spectrum Ref Level 3.00 dBm Att 20 dB PPk Max 0 dBM 1Pk Max 0 dBM -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm	3 SWT 52 ms	PASS PASS	MHz Mode	Auto Swee	p	39.14	05 dBn 40 GH:
Spectrum Ref Level 3.00 dBm Att 20 dB PPk Max 0 dBhimit Obeck Line limit1 -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm -70 dBm -70 dBm -80 dBm	3 SWT 52 ms	PASS PASS	MHz Mode	Auto Swee	p	39.14	05 dBn 40 GH

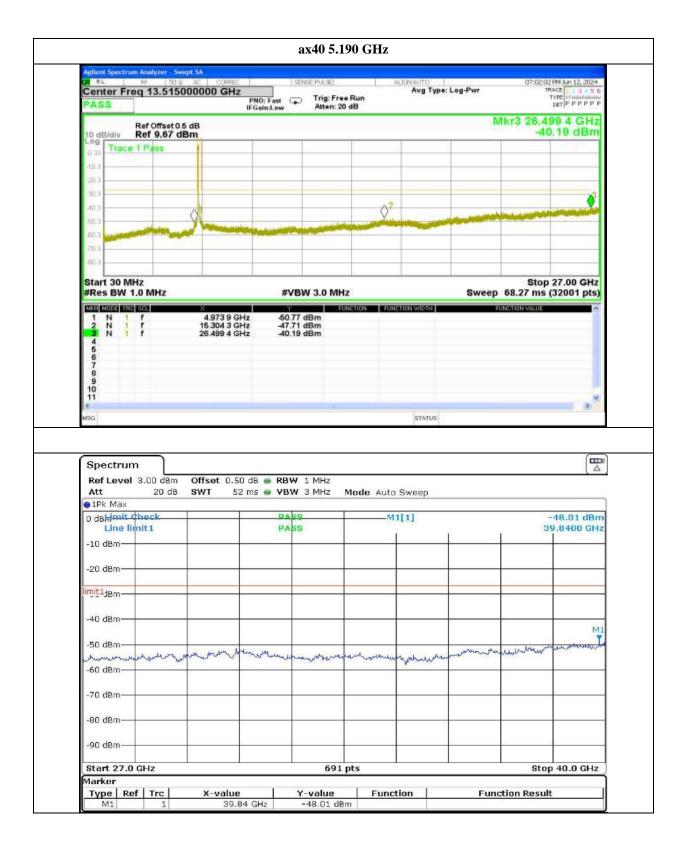
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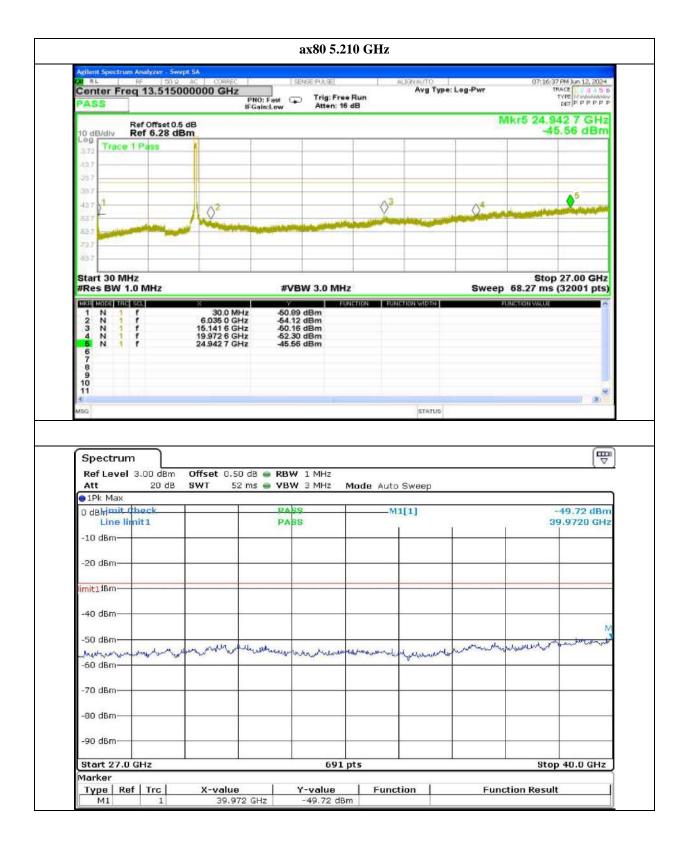
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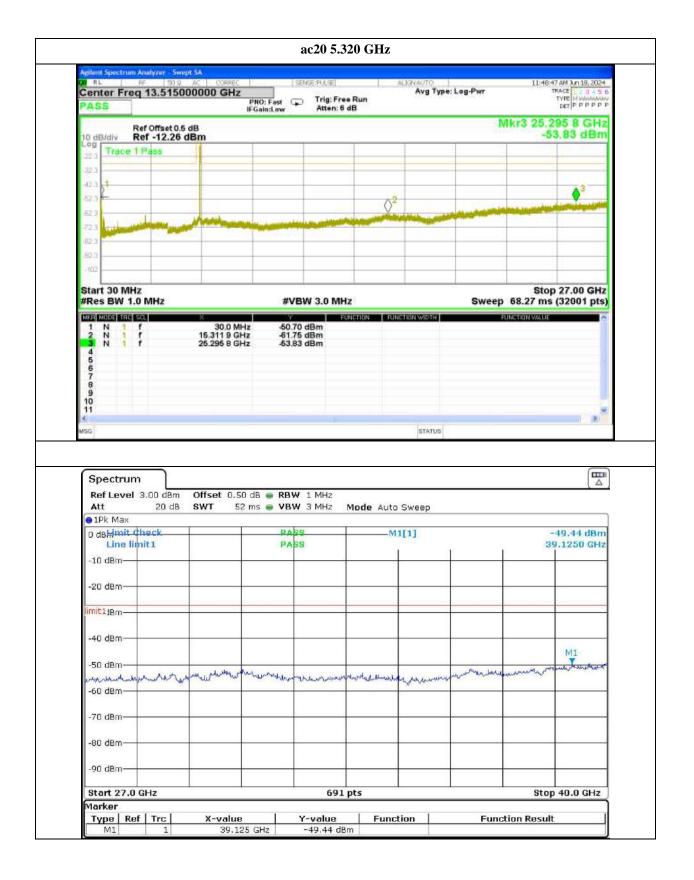
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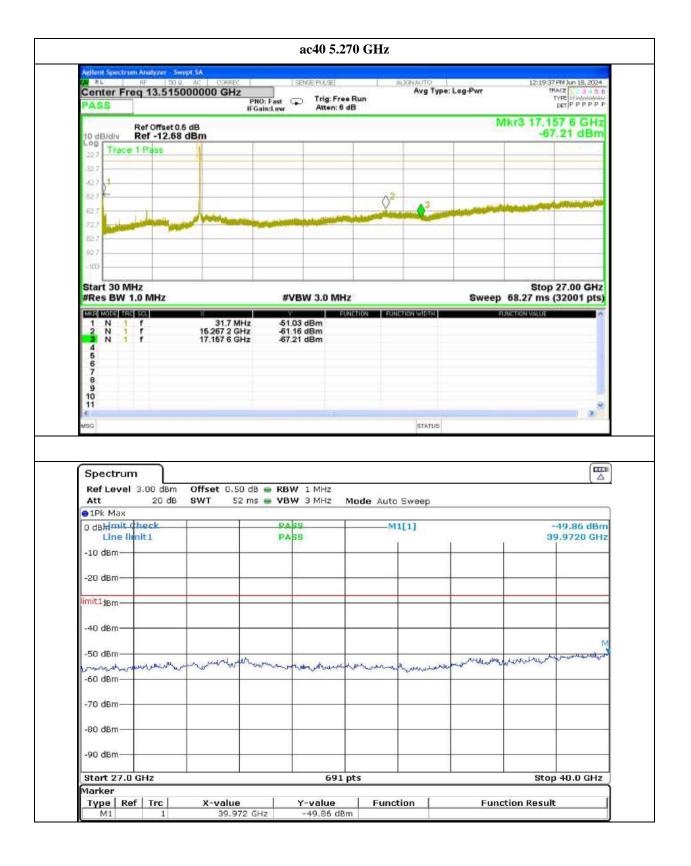
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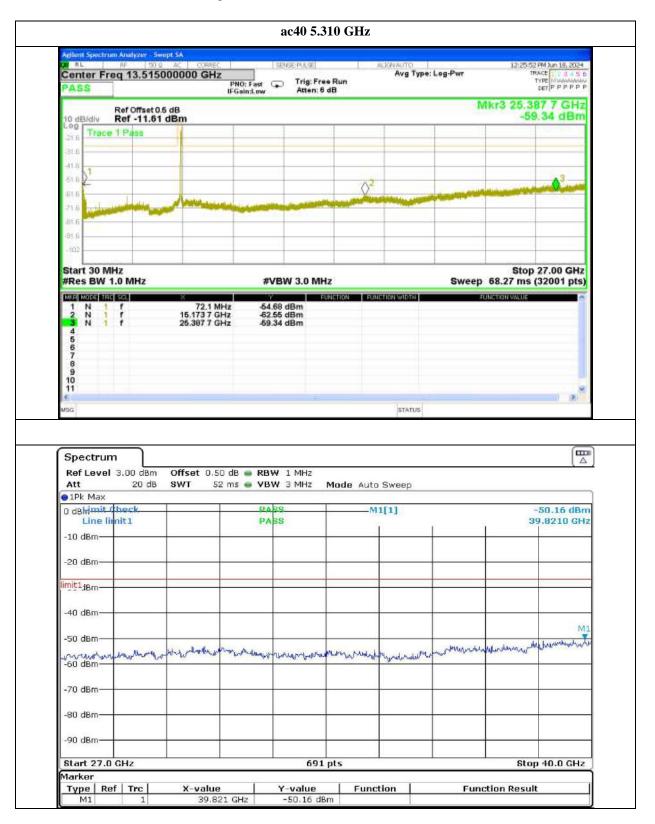
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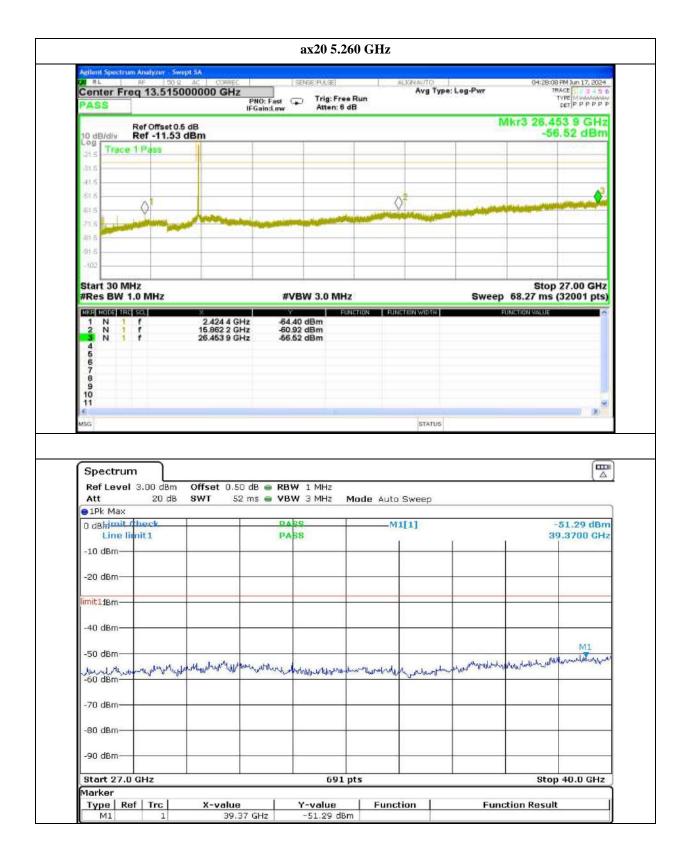
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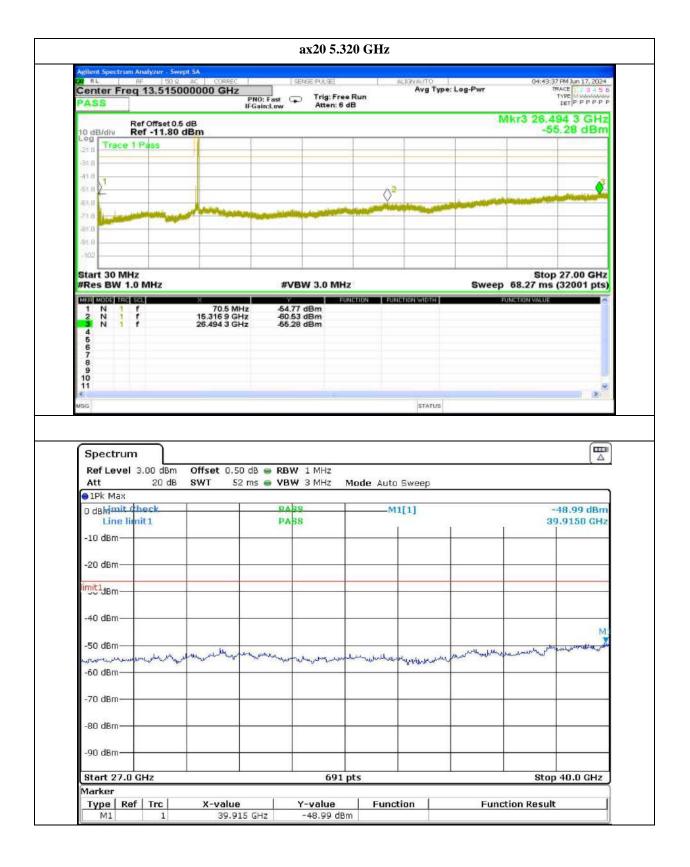
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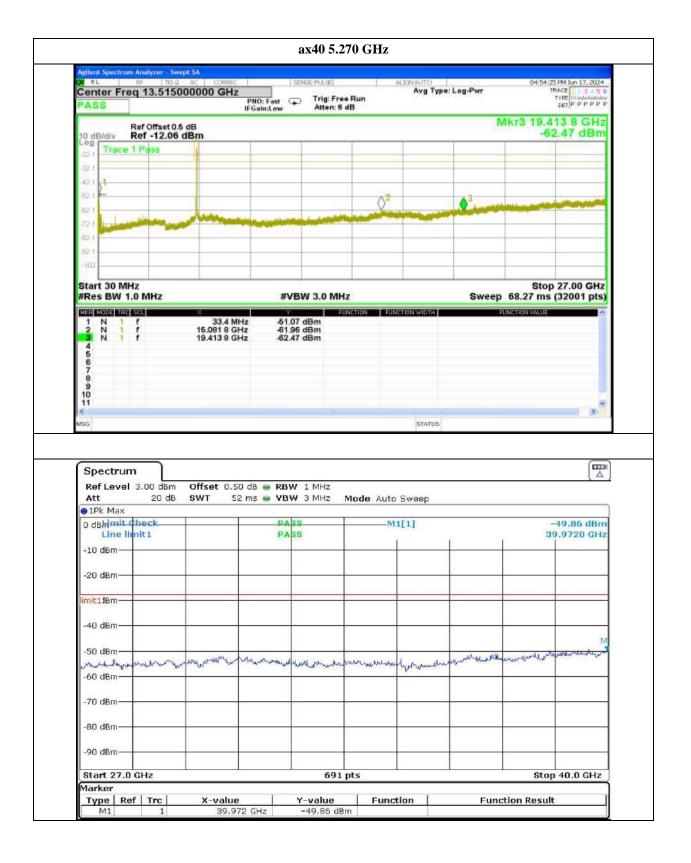
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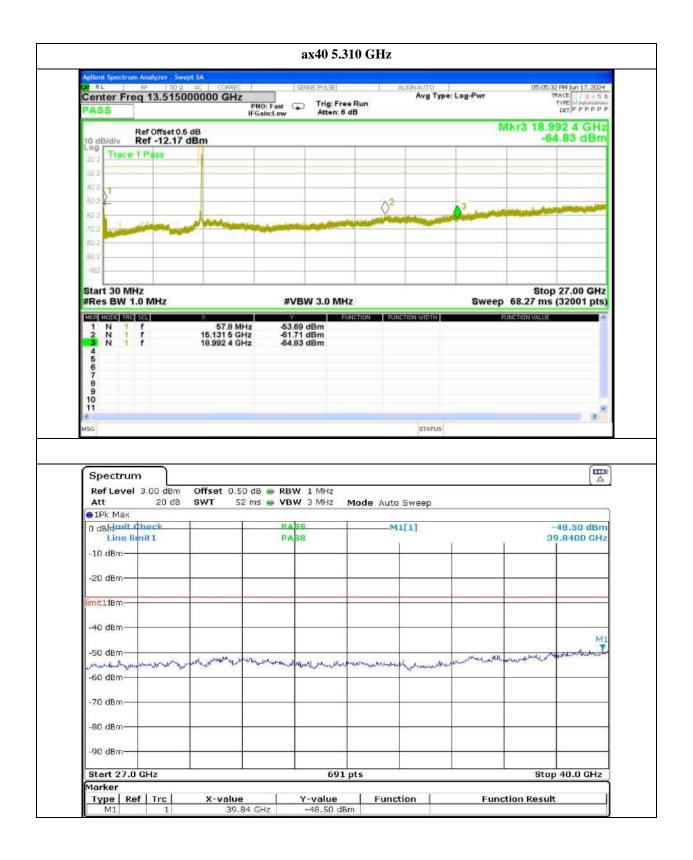
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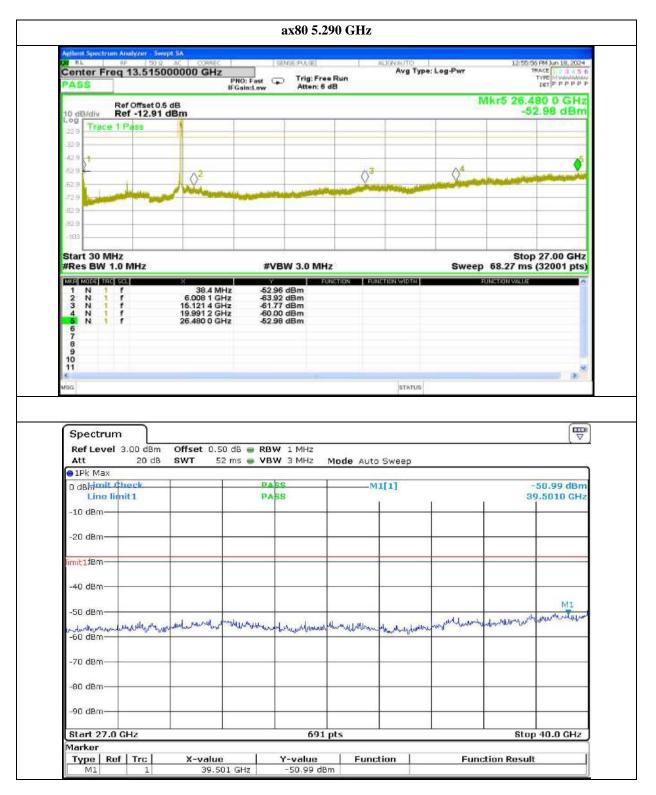
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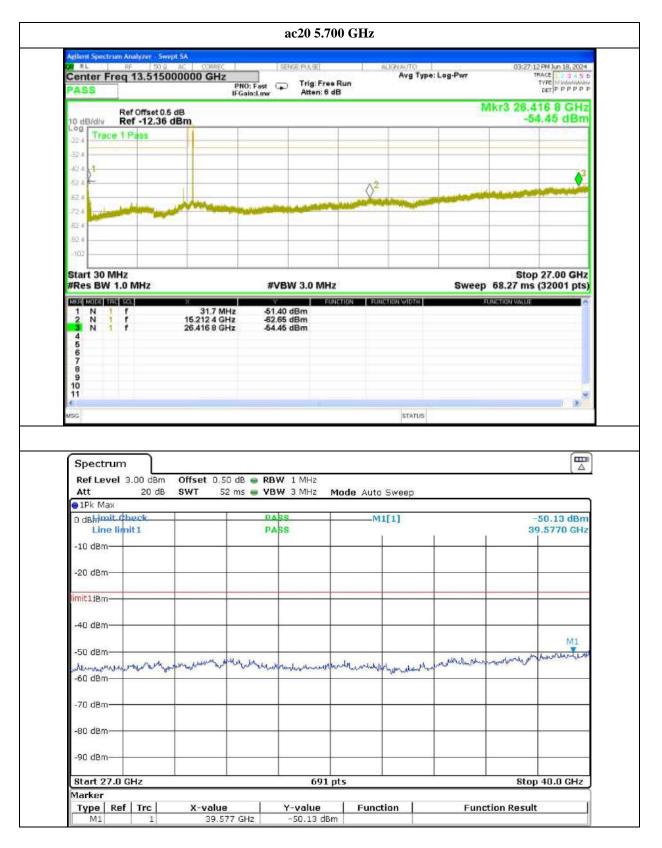
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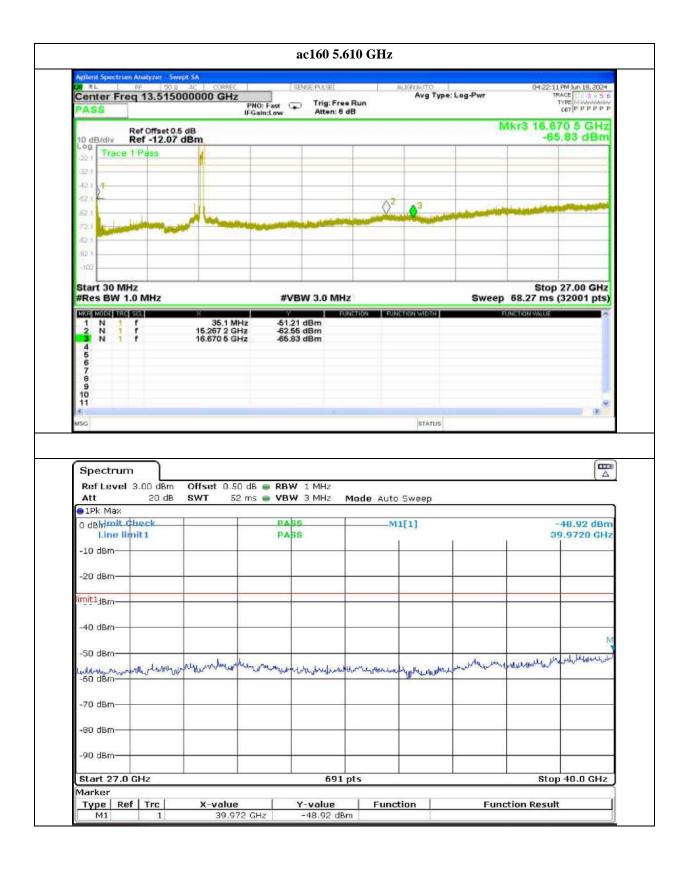
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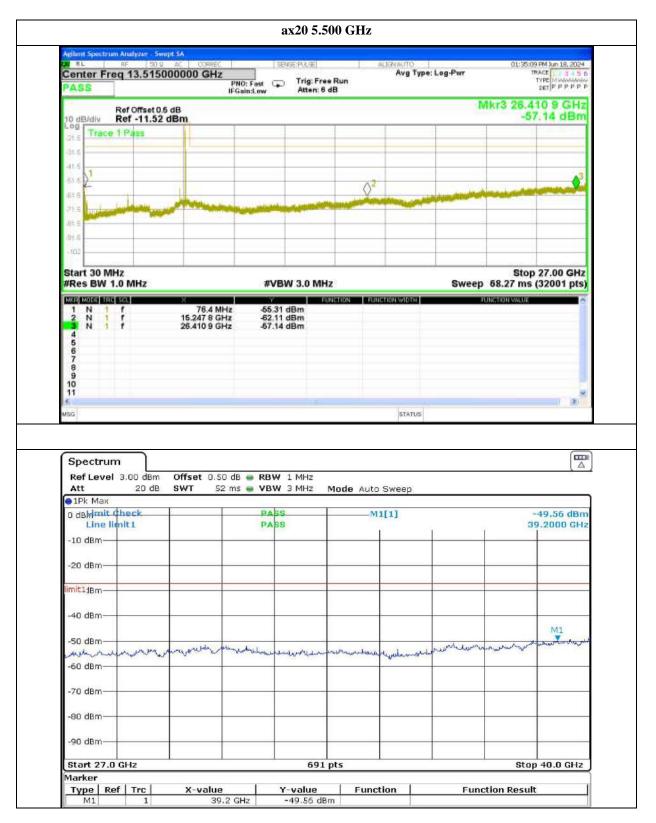
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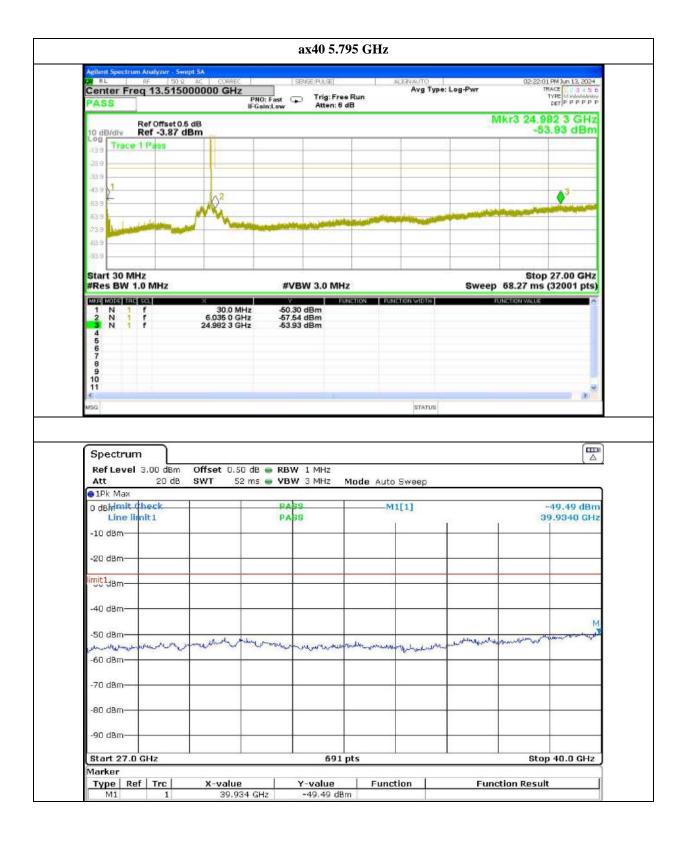
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Center Freq 13.5150000 PASS	ODRAEC I BENGE PAUGE IOO GHZ PNO: Fast Trig: Free IFGain:Low Atten: 6 c	AUGRAUTO Avg Type: Log-Pwi BB	02:30:30 PM Jun 13, 2024 TRACE 1 2 3 4 5 6 TYPE M waterback DET P P P P P
10 dB/dly Ref Offset 0.5 dB			Mkr3 26.451 3 GHz -54.78 dBm
Log Trace 1 Pass			
25.0			
35.6 1 45.0 1			
.56.8	10 <sup>2</sup>		
25.6 JS.6	Managerenter	appropriate the second second second	
45.6			
-35.6			
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 MH	7 54	Stop 27.00 GHz (eep 68.27 ms (32001 pts)
ME MORE HER SKIL		NOTION FRINCTION WIDTH	EUNITION WATCH
1 N 1 f 2 N 1 f	30.8 MHz -50.62 dBm 6.000 5 GHz -55.92 dBm		
4	6.461 3 GHz -54.78 dBm		
5 6 7			
8			
10 11			
in a second s		STATUS	
		STATUS	
		STATUS	/
Spectrum		STATUS	
Spectrum	fset 0.50 dB — RBW 1 MHz VT 52 ms — VBW 3 MHz M	status Mode Auto Sweep	/
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV 1Pk Max	VT 52 ms 🖷 VBW 3 MHz 👔	Mode Auto Sweep	
Spectrum Ref Level 3.00 dBm Off Att 20 dB SV			/
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV 1Pk Max 0 dB <del>kimit (beck</del>	VT 52 ms • VBW 3 MHz 1	Mode Auto Sweep	-50.66 dBm
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV 1Pk Max 0 dBkjmit Check Line limit1 -10 dBm	VT 52 ms • VBW 3 MHz 1	Mode Auto Sweep	-50.66 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SV @ 1Pk Max 0 dBkimit dheck Line limit1 -10 dBm -20 dBm	VT 52 ms • VBW 3 MHz 1	Mode Auto Sweep	-50.66 dBm
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV 1Pk Max 0 dBkjmit Check Line limit1 -10 dBm	VT 52 ms • VBW 3 MHz 1	Mode Auto Sweep	-50.66 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SV @ 1Pk Max 0 dBkimit dheck Line limit1 -10 dBm -20 dBm	VT 52 ms • VBW 3 MHz 1	Mode Auto Sweep	-50.66 dBm
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV PIPk Max 0 dBkimit dbeck Line limit1 -10 dBm -20 dBm -40 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV PIPk Max 0 dBkimit dbeck Line limit1 -10 dBm -20 dBm -40 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV PIPk Max 0 dBkimit dbeck Line limit1 -10 dBm -20 dBm -40 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV  1Pk Max 0 dBkimit Check Line limit1 -10 dBm -20 dBm -40 dBm -50 dBm -60 dBm -50 dBm	VT 52 ms • VBW 3 MHz 1	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV PIPk Max 0 dBkimit dbeck Line limit1 -10 dBm -20 dBm -40 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV  1Pk Max 0 dBkimit Check Line limit1 -10 dBm -20 dBm -40 dBm -50 dBm -60 dBm -50 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV  1Pk Max 0 dBkjmit Check Line limit1 -10 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz
Spectrum Ref Level 3.00 dBm Of Att 20 dB SV PIPk Max D dBrimit Check Line limit1 -10 dBm -20 dBm -40 dBm -50 dBm -70 dBm -80 dBm -80 dBm	VT 52 ms VBW 3 MHz PASS	Mode Auto Sweep	-50.66 dBm 39.5770 GHz

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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

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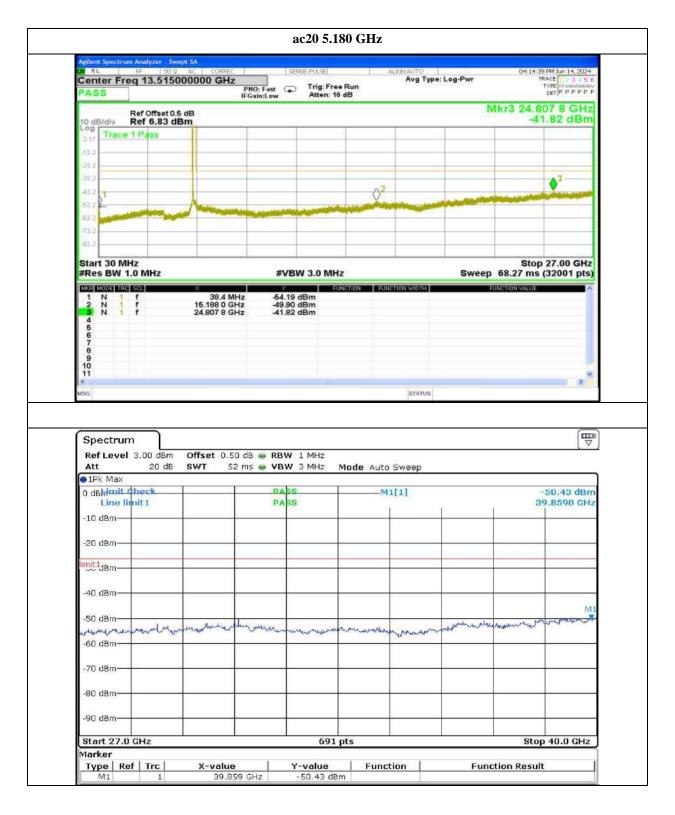


AA Electro Magnetic Test Laboratory Private Limited



## Report No.: AAEMT/RF/240507-01-01

# Antenna 1:



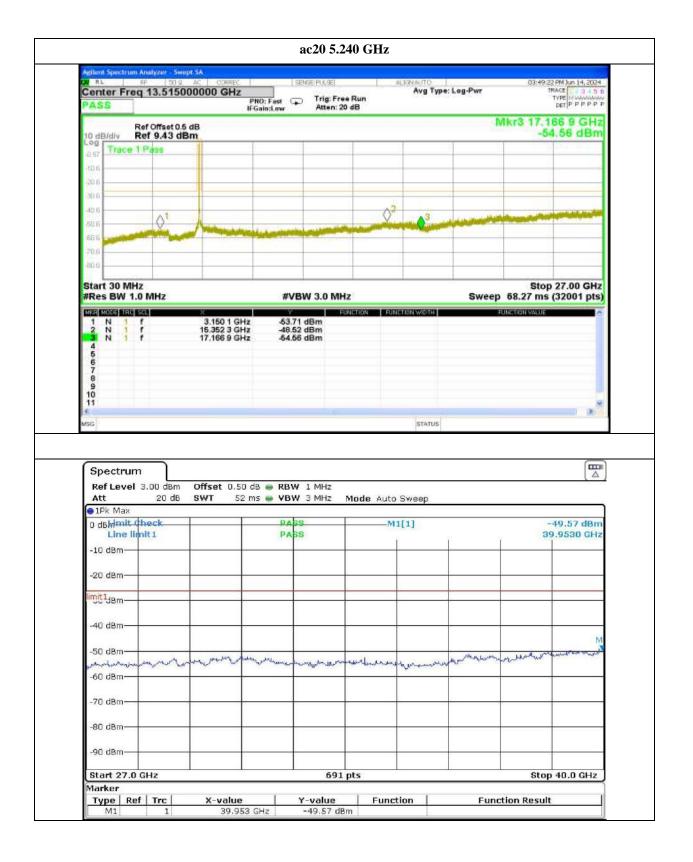
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Center Freq 13.5150000	00 GHz	E ALICEAUTO Avg Type: Log- I: Free Run	04:52:19 PM Jun 14, 2024 TRACE 12 4 5 6 TYPE M MAMMAN DET P P P P P
PASS		en: 20 dB	
10 dB/div Ref 9.88 dBm			Mkr3 24.974 7 GHz -40.09 dBm
OI2 Trace 1 Pass			
-t0.1			
-20.1			
30.1			3
40.1			and the second s
ED 1	Contraction of the owner owner owner owner own	Contraction of the second s	
70.1			
1.08			
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0	MHz	Stop 27.00 GHz Sweep 68.27 ms (32001 pts)
MER MODE THE SEL		FUNCTION FUNCTION WIDTH	FUNCTION WALLS
1 N 1 f 2 N 1 f 10	30.8 MHz -51.08 dBm 5.316 1 GHz -47.41 dBm		
4	1.974 7 GHz -40.09 dBm		
5 6 7			
8			
9			
9 10 11			
10 11		-	
10		STATUS	
10 11		STATUS	
10 11		STATUS	
10 11 sa Spectrum	set 0.50 dB 🗑 RBW 1 MH:		*
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW		z	
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW		z z <b>Mode</b> Auto Sweep	
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW	T 52 m s 👄 VBW 3 MH:	z	
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBhimit theck	T 52 ms 👳 VBW 3 MH:	z z <b>Mode</b> Auto Sweep	-51.02 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW P1Pk Max 0 dBhimit Check Line limit1 -10 dBm	T 52 ms 👳 VBW 3 MH:	z z <b>Mode</b> Auto Sweep	-51.02 dBm
10 11 11 11 11 11 11 Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dB <del>minit Check Line limit 1</del> -10 dBm -20 dBm	T 52 ms 👳 VBW 3 MH:	z z <b>Mode</b> Auto Sweep	-51.02 dBm
10 11 11 11 11 12 11 11 11 11 10 dBm 11 11 10 dBm 11 11 10 dBm 11 11 10 dBm 11 11 11 11 11 11 11 11 11 1	T 52 ms 👳 VBW 3 MH:	z z <b>Mode</b> Auto Sweep	-51.02 dBm
10 11 11 11 11 11 11 11 11 11	T 52 ms 👳 VBW 3 MH:	z z <b>Mode</b> Auto Sweep	-51.02 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBhimit Check Line limit1 -10 dBm -20 dBm -40 dBm	T 52 ms 👳 VBW 3 MH:	z z <b>Mode</b> Auto Sweep	-51.02 dBm 39.8780 GHz
10           11           rss           Ref Level 3.00 dBm           Att           20 dB           IPk Max           0 dBhjmit check           Line limit1           -10 dBm           -20 dBm           -40 dBm           -50 dBm	T 52 ms • VBW 3 MH.	z Mode Auto Sweep	-51.02 dBm 39.8780 GHz
Spectrum           Ref Level 3.00 dBm         Off           Att         20 dB           IPk Max         0 dBmit Check           Line limit1         -10 dBm           -20 dBm	T 52 ms • VBW 3 MH.	z z <b>Mode</b> Auto Sweep	-51.02 dBm 39.8780 GHz
10           11           rss           Ref Level 3.00 dBm           Att           20 dB           IPk Max           0 dBhjmit check           Line limit1           -10 dBm           -20 dBm           -40 dBm           -50 dBm	T 52 ms • VBW 3 MH.	z Mode Auto Sweep	-51.02 dBm 39.8780 GHz
10           11           rss           Spectrum           Ref Level 3.00 dBm Off           Att 20 dB SW           1Pk Max           0 dBminit Check           Line limit1           -10 dBm           -20 dBm           -20 dBm           -50 dBm	T 52 ms • VBW 3 MH.	z Mode Auto Sweep	-51.02 dBm 39.8780 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBhimit Check Line limit1 -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm	T 52 ms • VBW 3 MH.	z Mode Auto Sweep	-51.02 dBm 39.8780 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBhimit Check Line limit1 -10 dBm -20 dBm -20 dBm -50 d	T 52 ms • VBW 3 MH.	z Mode Auto Sweep	-51.02 dBm 39.8780 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBhimit Check Line limit1 -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm	T 52 ms • VBW 3 MH.	z Mode Auto Sweep	-51.02 dBm 39.8780 GHz

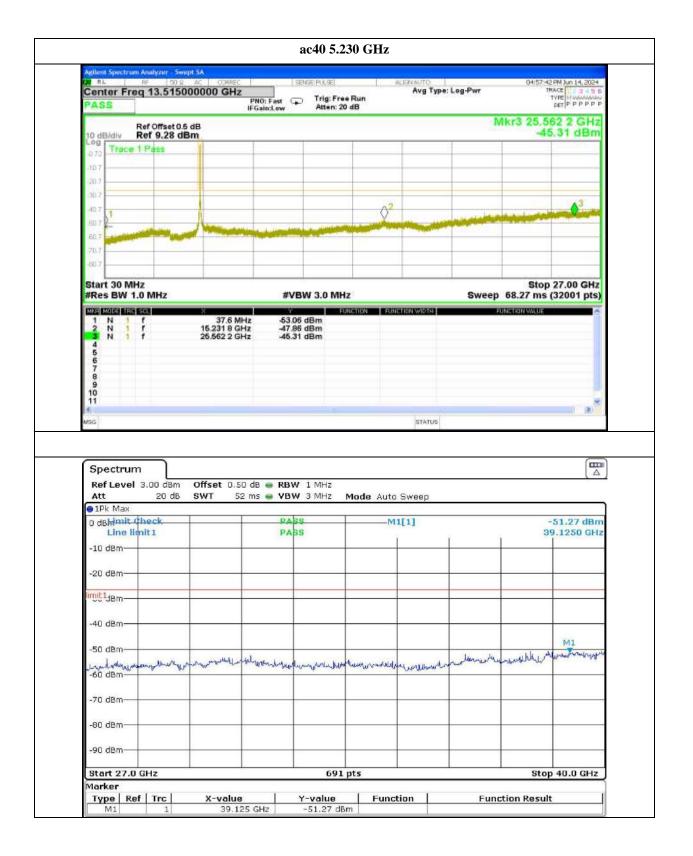
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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

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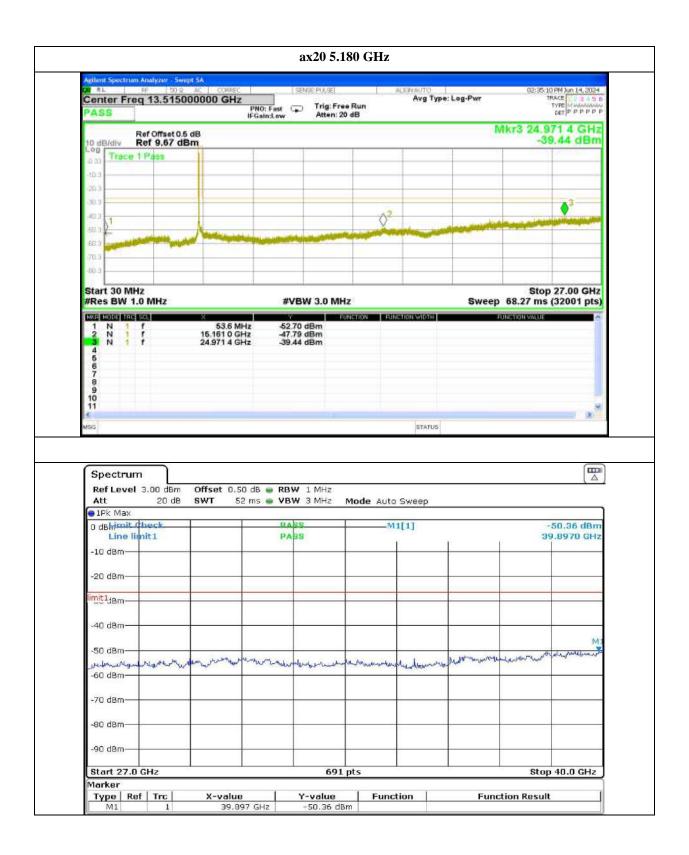
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AA Electro Magnetic Test Laboratory Private Limited



## Report No.: AAEMT/RF/240507-01-01



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		90 GHz	
Applemi Spectrum Analyzer Swept SA MIL RF 1939 ac Center Freq 13.51500000 PASS	CORREC ISENSE PARE DO GHZ PNO: Fast IFGain:Low Atten: 10	e Run Avg Type: Log-Pwr s dB	03:00:17 PM Jun 14,2024 TRACE 1 2 3 4 5 5 TYPE IN MARAMAN DET P P P P P
10 dB/dly Ref 7.18 dBm			Mkr3 25.438 3 GHz -45.92 dBm
2:82 Trace 1 Pass			
-12.0			
328			3
428		2 Second	and the second se
F2.8			
-82.0			
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 MH	z Sw	Stop 27.00 GHz eep 68.27 ms (32001 pts)
Spectrum		STATUS	(m A
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SW1	set 0.50 dB <b>⊜ RBW</b> 1 MHz T 52 ms <b>⊜ VBW</b> 3 MHz	STATUS Mode Auto Sweep	(m
Att 20 dB SW1 1Pk Max 0 dB <b>Himit Check</b>	T 52 ms 🖝 VBW 3 MHz		-50.25 dBn
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT 9 IPk Max 0 dBh <mark>imit Check. Line limit 1</mark>	r 52 ms 👄 VBW 3 MHz	Mode Auto Sweep	
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max 0 dBh <mark>imit check Line limit 1</mark> -10 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep	-50.25 dBn
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max 0 dBhimit Check. Line limit 1 -10 dBm -20 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep	-50.25 dBn
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max 0 dBhimit Check. Line limit 1 -10 dBm -20 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep	-50.25 dBn
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max 0 dBh/mit check Line limit 1 -10 dBm -20 dBm mit1 <sub>dBm</sub>	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep	-50.25 dBn 39.3320 GH:
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max O dBh/mit Check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm	T 52 ms • VBW 3 MHz  PASS PASS	Mode Auto Sweep	-50.25 dBn 39.3320 GH:
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max O dBh/mit check Line limit 1 -10 dBm -20 dBm40 dBm50 dBm	T 52 ms • VBW 3 MHz  PASS PASS	Mode Auto Sweep	-50.25 dBn 39.3320 GH:
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max O dBh/mit check Line limit 1 -10 dBm -20 dBm40 dBm50 dBm50 dBm	T 52 ms • VBW 3 MHz  PASS PASS	Mode Auto Sweep	-50.25 dBn 39.3320 GH:
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max O dBh/mit check Line limit 1 -10 dBm -20 dBm40 dBm50 dBm	T 52 ms • VBW 3 MHz  PASS PASS	Mode Auto Sweep	-50.25 dBn 39.3320 GH:
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max D dBh/mit theck Line limit 1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -50 dBm -60 dBm	T 52 ms • VBW 3 MHz  PASS PASS	Mode Auto Sweep	-50.25 dBn 39.3320 GH:
Spectrum Ref Level 3.00 dBm Offs Att 20 dB SWT PIPk Max D dBh/mit check Line limit 1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -60 dBm -70 dBm	T 52 ms • VBW 3 MHz  PASS PASS	Mode Auto Sweep	-50.25 dBn 39.3320 GH

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Agilent Spectrum Analyzer - Swep	t SA				
Center Freq 13.51500 PASS	00000 GHz PNO	I SENGE PLAGE 1 Fast C Trig: Free nt.ow Atten: 14	Run	g Type: Log-Pwr	03:27:44 PM Jun 14, 2 TRACE T 1 1 4 TYPE M MANN DET P P P
Ref Offset 0.5				M	kr5 24.907 3 G
10 dB/div Ref 2.87 dB	m.				-46.66 dB
07.1					
21 A					
31			200	64	<b>5</b>
47.1	102		Q3	Q <sup>4</sup>	No. of Concession, Name
ET I Manufacture and		and so the second s			
77.1					
-67.1					
Start 30 MHz #Res BW 1.0 MHz		#VBW 3.0 MH	18	Sweep	Stop 27.00 G 68.27 ms (32001 p
MARI MODE TRC SCL			CTION FUNCTION WID	TH FU	NCTION WALVE
1 N 1 f 2 N 1 f 3 N 1 f	43.5 MHz 6.036 9 GHz 15.139 1 GHz	-53.32 dBm -56.18 dBm -54.06 dBm			
2 N 1 F 3 N 1 F 4 N 1 F	19.791 4 GHz 24.907 3 GHz	-50.92 dBm -46.66 dBm			
67	and a street	States states			
8 9 10					
10 11					
£					10.4
vsg			51/	TUS	
MSG			ST	ATUS	
Spectrum Ref Level 3.00 dBm Att 20 dB	Offset 0.50 dB SWT 52 ms		sta <b>1ode</b> Auto Sweep		[1
Spectrum Ref Level 3.00 dBm Att 20 dB PIPk Max		● VBW 3 MHz M	1ode Auto Sweep		l
Spectrum Ref Level 3.00 dBm Att 20 dB			2 (9) () () ()		-49.71 di 39.9340 G
Spectrum Ref Level 3.00 dBm Att 20 dB 1Pk Max 0 dB <del>kimit check</del>		PARS	1ode Auto Sweep		-49.71 di
Spectrum Ref Level 3.00 dBm Att 20 dB 1Pk Max 0 dBhinit check Line limit 1		PARS	1ode Auto Sweep		-49.71 di
Spectrum Ref Level 3.00 dBm Att 20 dB IPk Max 0 dBk/mit dheck Line limit1 -10 dBm -20 dBm		PARS	1ode Auto Sweep		-49.71 di
Spectrum Ref Level 3.00 dBm Att 20 dB PIPk Max 0 dBk/mit dheck Line limit 1 -10 dBm		PARS	1ode Auto Sweep		-49.71 di
Spectrum Ref Level 3.00 dBm Att 20 dB IPk Max 0 dBk/mit dheck Line limit1 -10 dBm -20 dBm		PARS	1ode Auto Sweep		-49.71 di
Spectrum Ref Level 3.00 dBm Att 20 dB P1Pk Max 0 dBkimit check Line limit1 -10 dBm -20 dBm limit1jBm -40 dBm	SWT 52 ms	PASS PASS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB  1Pk Max 0 dBkimit Check Line limit1 -10 dBm -20 dBm imit1gm -40 dBm -50 dBm	SWT 52 ms	PASS PASS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB P1Pk Max 0 dBkimit check Line limit1 -10 dBm -20 dBm limit1jBm -40 dBm	SWT 52 ms	PARS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB  IPk Max 0 dB <u>Hinit check Line limit1 -10 dBm -20 dBm imit1/Bm -40 dBm -50 dBm -50 dBm -60 dBm</u>	SWT 52 ms	PASS PASS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB  1Pk Max 0 dBhimit check Line limit1 -10 dBm -20 dBm imit1fBm -40 dBm -50 dBm	SWT 52 ms	VBW 3 MHz      PASS      PASS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB  IPk Max 0 dB <u>Hinit check Line limit1 -10 dBm -20 dBm imit1/Bm -40 dBm -50 dBm -50 dBm -60 dBm</u>	SWT 52 ms	VBW 3 MHz      PASS      PASS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB PIPk Max D dBkimit dheck Line limit1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -80 dBm -80 dBm	SWT 52 ms	VBW 3 MHz      PASS      PASS	Mode Auto Sweep		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB IPk Max 0 dB <u>Hinit check</u> Line limit1 -10 dBm -20 dBm -40 dBm -40 dBm -50 dBm -70 dBm -80 dBm -90 dBm	SWT 52 ms	PASS PASS	Mode Auto Sweep 		-49.71 di 39.9340 d
Spectrum Ref Level 3.00 dBm Att 20 dB PIPk Max D dBkimit dheck Line limit1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -80 dBm -80 dBm	SWT 52 ms	VBW 3 MHz      PASS      PASS	Mode Auto Sweep 		-49.71 di 39.9340 d

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Report No.: AAEMT/RF/240507-01-01



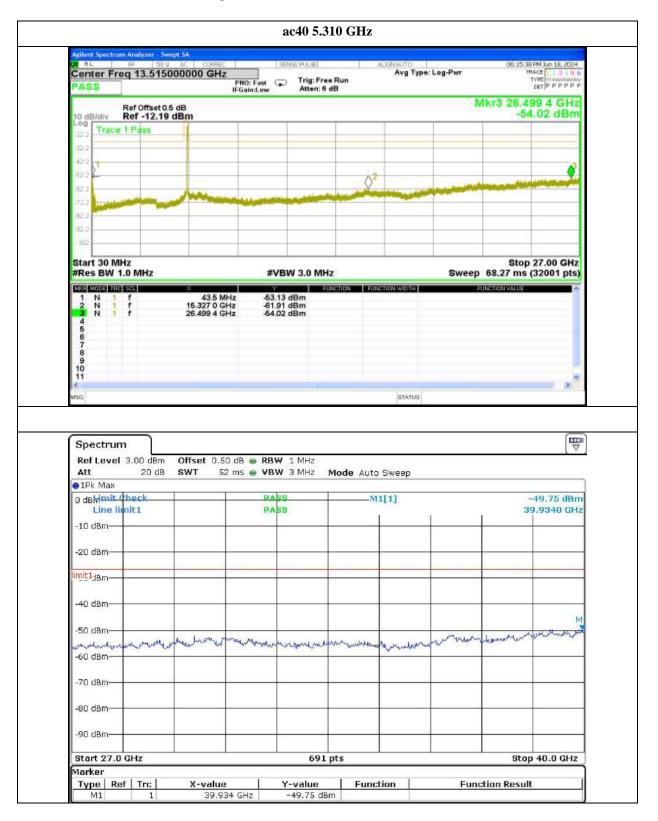
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Certificate#5593.01

Report No.:	AAEMT/RF/240507-01-01
reportion	

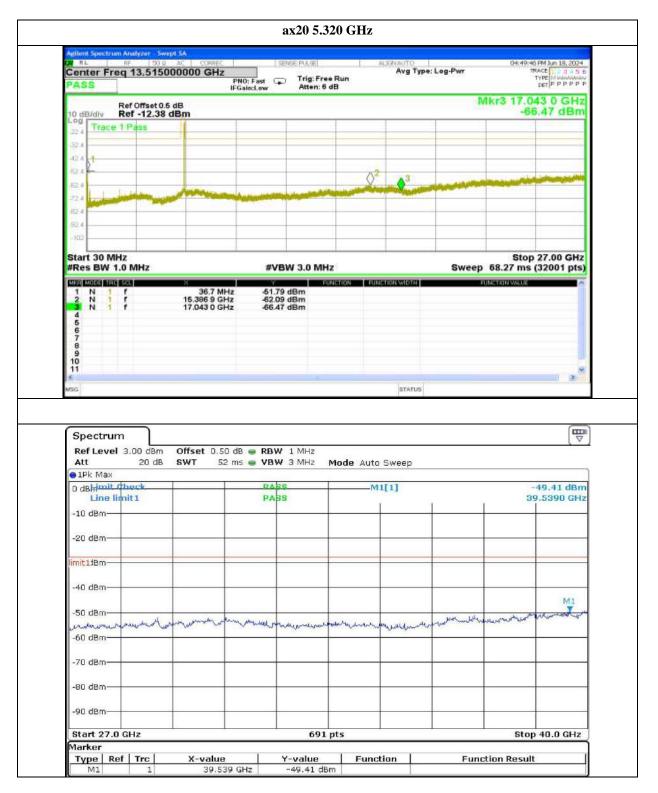
Center Freq 13.5150000	00 GHz	Avg Type: I Free Run		04:44:24 PM Jun 18, 2024 TRACE 2 3 4 5 5 TYPE M Monthly
PASS	PNO: Fast 😱 Trig: F IFGain:Low Atten	:6 dB	541-22	DETPPPPP
10 dB/div Ref -11.33 dBn	1)		IVIKIS	26.486 7 GHz -55.74 dBm
213 Trace 1 Pass				
31.5				
51.0		A2		<b>(</b>
81.3	Although a second second	A DESCRIPTION OF THE OWNER OF THE	and the state of the	and the second se
at 3	and the state of t			
.esa				
-101				
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 M	ЛНZ	Sweep 68.2	Stop 27.00 GHz 7 ms (32001 pts)
NEE MOTOR THE SOL	58.7 MHz -54.15 dBm	FUNCTION FUNCTION WIDTH	FUNCTION	WALLIE
2 N 1 f 1 3 N 1 f 2	5.162 7 GHz -50.92 dBm 6.486 7 GHz -55.74 dBm			
4 6 7 9 9 10				
7 8				
9				
10				
10 11 ¢		STATUS		,*
		STATUS		*
		STATUS		*
Spectrum Ref Level 3.00 dBm Off	set 0.50 dB ● RBW 1 MHz			Ē
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW		STATUS Mode Auto Sweep		Ē
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dB <del>himit (heck</del>	T 52 ms 🖝 VBW 3 MHz			-49.44 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW	7 52 ms 🖷 VBW 3 MHz	Mode Auto Sweep		
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dB <del>Mmit Check Line limit 1</del> -10 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep		-49.44 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBmit Check Line limit 1	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep		-49.44 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dB <del>Mmit Check Line limit 1</del> -10 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep		-49.44 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dB <u>Hmit dheck Line limit 1</u> -10 dBm -20 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep		-49.44 dBm
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW PIPk Max O dBhimit Check Line limit 1 -10 dBm -20 dBm mit14Bm -40 dBm	T 52 ms 🖝 VBW 3 MHz	Mode Auto Sweep		-49.44 dBm 39.1820 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW IPk Max O dB <del>mit Check Line limit 1 -10 dBm -20 dBm mit11Bm -40 dBm -50 dBm</del>	T 52 ms  VBW 3 MHz	Mode Auto Sweep		-49.44 dBm 39.1820 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW PIPk Max O dBhimit Check Line limit 1 -10 dBm -20 dBm mit14Bm -40 dBm	T 52 ms  VBW 3 MHz	Mode Auto Sweep	man the allow many marked	-49.44 dBm 39.1820 GH2
Spectrum Ref Level 3.00 dBm Off Att 20 dB Sw PIPk Max O dBhmit Check Line limit1 -10 dBm -20 dBm mit11Bm -40 dBm -50 dBm	T 52 ms  VBW 3 MHz	Mode Auto Sweep	ment to be defined and the second	-49.44 dBm 39.1820 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBHmit Check Line limit 1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm	T 52 ms  VBW 3 MHz	Mode Auto Sweep	monthe lange	-49.44 dBm 39.1820 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW IPk Max O dB/mit theck Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -50 dBm -60 dBm	T 52 ms  VBW 3 MHz	Mode Auto Sweep	- Josef Langer - Hard	-49.44 dBm 39.1820 GHz
Spectrum Ref Level 3.00 dBm Off Att 20 dB SW 1Pk Max 0 dBHmit Check Line limit 1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm	T 52 ms  VBW 3 MHz	Mode Auto Sweep		-49.44 dBm 39.1820 GHz

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		ac20 5.500	GHz		
allent Spectrum Analyzar IL RF 12 Center Freq 13.51	D Q AC CORREC	I SENSE PULSE  	ACIONALITO Avg T	ype: Log-Pwr	01:40:11 PM Jun 19, 20 TRACE 1 1 1 TYPE IN Modulu DET P P P
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101					
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NEE MORE HER SOL	3 78.0 MHz		ION RINCTION WIDTH		INSTRON WARDS
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10 11 sc Spectrum			STATU	s	
Spectrum Ref Level 3.00 dB Att 20 d			STATU de Auto Sweep	s	
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Spectrum Ref Level 3.00 dBi Att 20 d 1Pk Max 0 dBhimit Check Line limit 1 -10 dBm -20 dBm		VBW 3 MHz Mid	de Auto Sweep	s	-49.57 dB
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Spectrum Ref Level 3.00 dBi Att 20 d 1Pk Max 0 dBHmit check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -50 dBm	IB SWT 52 ms	PASS PASS	de Auto Sweep		-49.57 dB
Spectrum Ref Level 3.00 dBi Att 20 d • 1Pk Max 0 dB <u>Hinit Check</u> Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm	IB SWT 52 ms	PASS PASS	de Auto Sweep		-49.57 dB 39.9530 G
Spectrum Ref Level 3.00 dBi Att 20 d 1Pk Max 0 dBHmit Check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -50 dBm -00 dBm	IB SWT 52 ms	PASS PASS	de Auto Sweep		-49.57 dB 39.9530 G
Spectrum Ref Level 3.00 dBi Att 20 d 1Pk Max 0 dB <u>Hmit Check</u> Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -50 dBm -60 dBm	IB SWT 52 ms	PASS PASS	de Auto Sweep		-49.57 dB 39.9530 Gi
Spectrum Ref Level 3.00 dBi Att 20 d 1Pk Max 0 dBkjmit Check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm	IB SWT 52 ms	PASS PASS	de Auto Sweep		-49.57 dB 39.9530 Gi
Spectrum Ref Level 3.00 dBi Att 20 d 1Pk Max 0 dBkjmit Check Line limit 1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm -80 dBm	IB SWT 52 ms	PASS PASS	de Auto Sweep 		-49.57 dB 39.9530 Gi

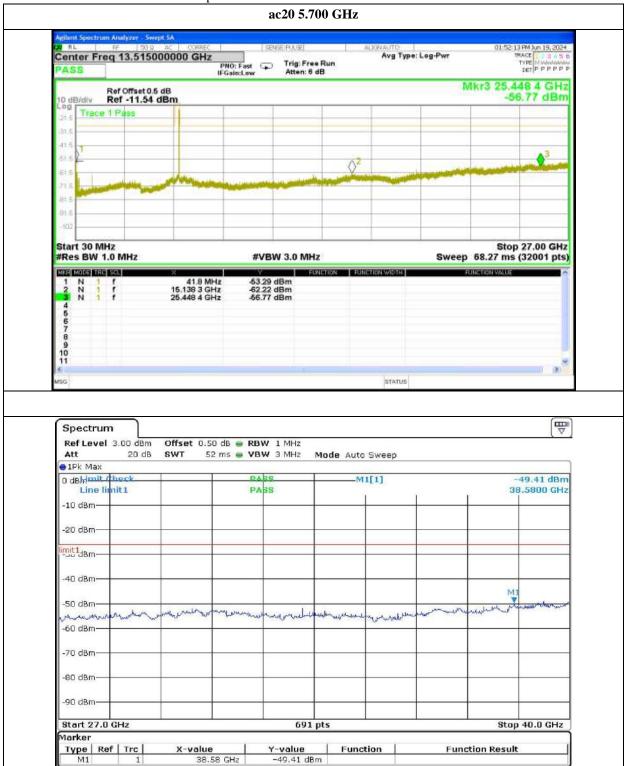
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		ac40 5.5	10 GHz			
Agilent Spectrum Analyzer III. RF Center Freq 13,51 PASS	15000000 GHz	); ENSE PILE ); Fast _ Trig: Free in:Low Atten: 6 o	Run	pe: Log-Pwr	DET	21456 PPPPP
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10 dB/div Ref -11.	/z dem			A. D.		
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.81.7						
-102						-
Start 30 MHz #Res BW 1.0 MHz		#VBW 3.0 MH	z	Sweep	Stop 27.0 68.27 ms (320	
MAR MAILS HER SEA	30.0 MHz	-49.98 dBm	RETION FUNCTION WIDTH	-FI	UNCTION VALUE	0
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Spectrum Ref Level 3.00 dB Att 20 d P1Pk Max 0 dBkimit theck Line limit 1 -10 dBm -20 dBm -40 dBm		PASS PASS	Mode Auto Sweep		39.84	69 dBm 60 GHz
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Spectrum Ref Level 3.00 dB Att 20 d PIPk Max 0 dBkimit theck Line limit 1 -10 dBm -20 dBm -40 dBm		PASS PASS	Mode Auto Sweep		39.84	69 dBm 00 GHz
Spectrum Ref Level 3.00 dB Att 20 d P 1Pk Max 0 dBkjmit Check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -60 dBm	IB SWT 52 ms	PASS PASS	Mode Auto Sweep		39.84	69 dBm 60 GHz
Spectrum Ref Level 3.00 dB Att 20 d P 1Pk Max 0 dBkimit check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -70 dBm	IB SWT 52 ms	PASS PASS	Mode Auto Sweep		39.84	69 dBm 60 GHz
Spectrum Ref Level 3.00 dB Att 20 d P 1Pk Max 0 dBkjmit Check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -60 dBm	IB SWT 52 ms	PASS PASS	Mode Auto Sweep		39.84	69 dBm 60 GHz
Spectrum Ref Level 3.00 dB Att 20 d P 1Pk Max 0 dBkimit check Line limit 1 -10 dBm -20 dBm -40 dBm -50 dBm -70 dBm	IB SWT 52 ms	PASS PASS	Mode Auto Sweep		39.84	69 dBm 60 GHz
Spectrum Ref Level 3.00 dB Att 20 c 1Pk Max 0 dBkimit check Line limit 1 -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -80 dBm	IB SWT 52 ms	PASS PASS	Mode Auto Sweep		39.84	69 dBm 00 GHz M1

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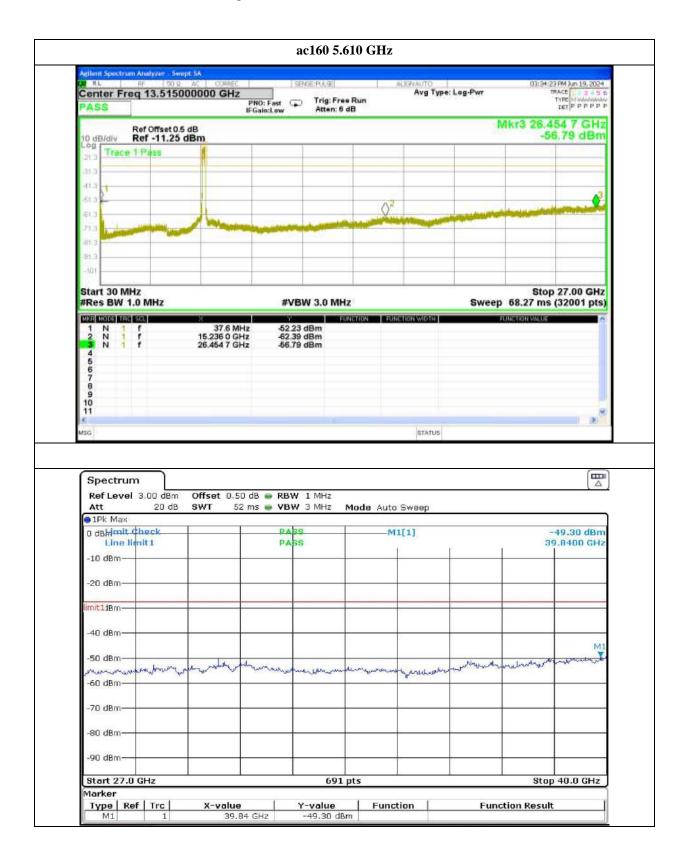
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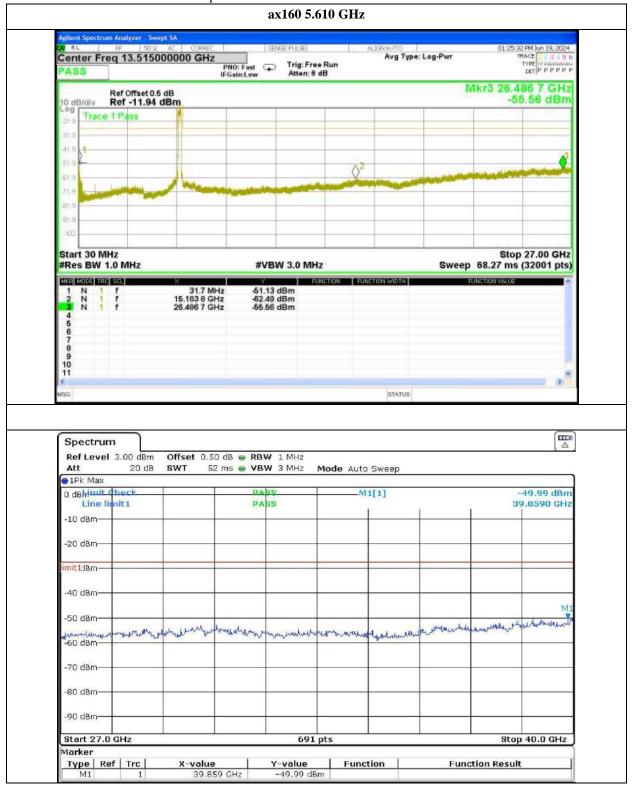
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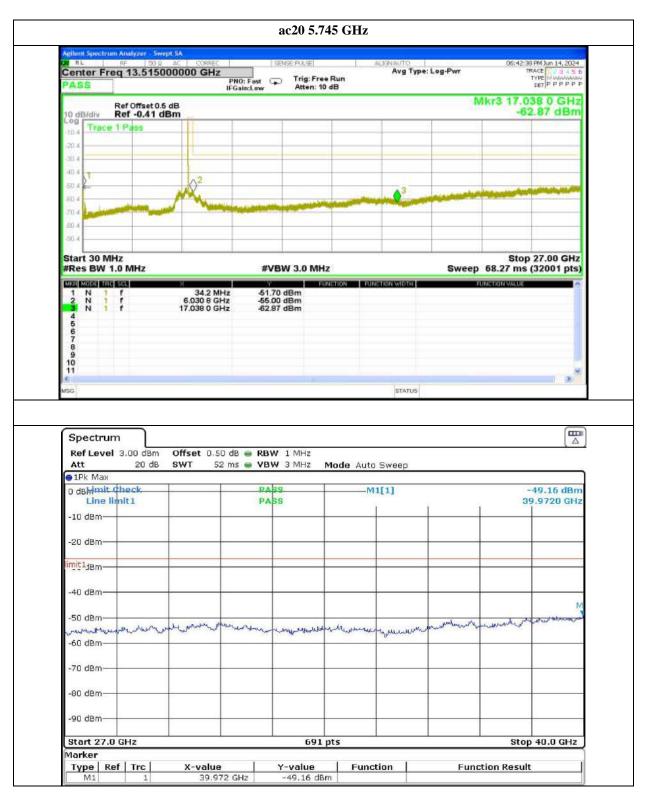
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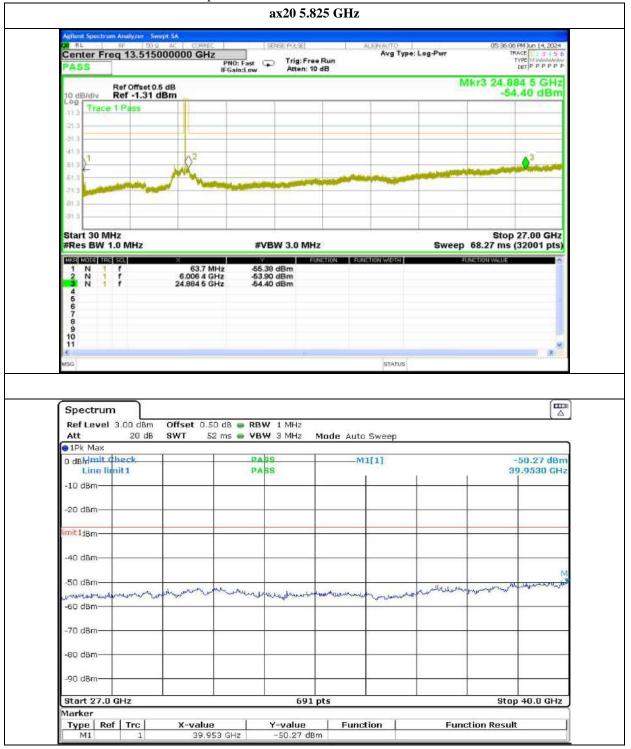
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# AA Electro Magnetic Test Laboratory Private Limited



Report No.: AAEMT/RF/240507-01-01



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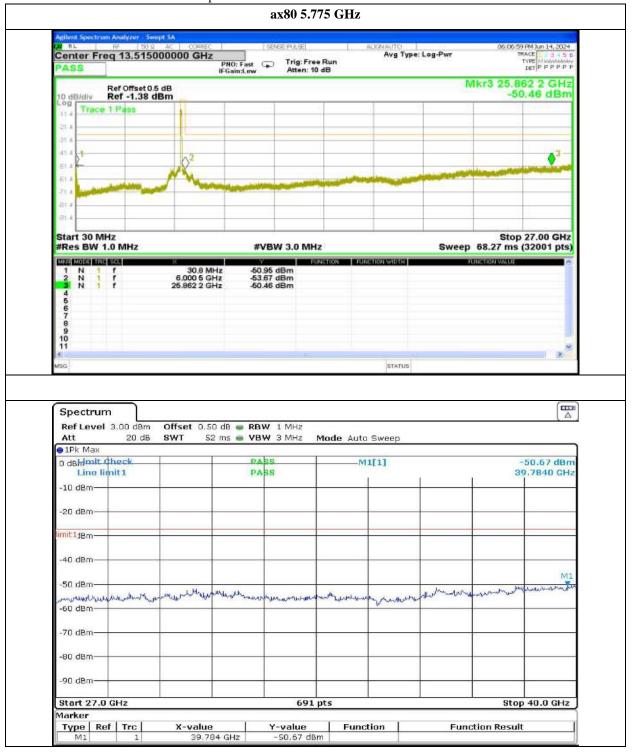
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# **11. ANTENNA REQUIREMENTS**

## 11.1. Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

## 11.2. EUT ANTENNA

The antennas used for this product are External (Screw on): Cassegrain Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 25 dBi. and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.



\*\*End of Report\*\*

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