

Report No.: AAEMT/EMC/220321-01-05

FCC RADIO TEST REPORT

Part 15 subpart E

FCC ID: 2A3WGHD80010

Report Reference No. : AAEMT/EMC/220321-01-05

Date of issue : 2022-04-26

Testing Laboratory : AA Electro Magnetic Test Laboratory Private Limited

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

Applicant's name..... : Delta Energy & Communications, Inc

Address..... : 29975 Technology Drive, Suite 101, Murrieta, CA
92563+19518166338, info@deltaglobalnetwork.com

Manufacturer : VVDN Technologies Pvt. Ltd.

Address..... : Plot No: CP-07, Sector-8, IMT Manesar, Gurugram, Haryana -
122050

Test specification:
Test item description : deltaLINK™

Trade Mark..... : 

Model/Type reference : DEC-H-D-800-10

Ratings..... : Input through 12V DC Power Adaptor : 100-240VAC, 50/60Hz,
1.5-0.8A

Declaration of Conformity:
Declaration of conformity of the results is based as per the standard
limits

Prepared By (+ signature) Ankur Kumar:



Reviewed & Approved by: (+ signature)

Dr. Lenin Raja (Authorized Representative)

(/ lenin83/)



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TEST REPORT DECLARE

Applicant	:	Delta Energy & Communications, Inc
Address	:	29975 Technology Drive, Suite 101, Murrieta, CA 92563+19518166338, info@deltaglobalnetwork.com
Equipment under Test	:	deltaLINK™
Model No	:	DEC-H-D-800-10
Trade Mark	:	
Manufacturer	:	VVDN Technologies Pvt. Ltd.
Address	:	Plot No: CP-07, Sector-8, IMT Manesar, Gurugram, Haryana - 122050

Test Standard Used: FCC Part 15E 15.407

Test procedure used: ANSI C63.10-2013 and KDB 789033 D02 General UNII Test Procedures New Rules v02r01 .

We Declare:

The equipment described above is tested by AA Electro Magnetic Test Laboratory Private Limited and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and AA Electro Magnetic Test Laboratory Private Limited is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No:	AAEMT/EMC/220321-01-05		
Date of Test:	Mar. 21 ~ Apr. 05, 2022	Date of Report:	May. 07, 2022

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of AA Electro Magnetic Test Laboratory Private Limited

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1. SUMMARY OF TEST RESULTS

The EUT have been tested according to the applicable standards as referenced below.		
FCC Part15 (15.407) , Subpart E		
Description of Test Item	Standard	Results
AC Power Line Conducted Emissions	FCC §15.207/ RSS-Gen	PASS
Spurious Radiated Emissions	FCC §15.209(a), 15.407(b)	PASS
26 dB and 99% Emission Bandwidth	FCC §15.407(a)	PASS
Maximum Conducted Output Power	FCC §407(a)(1)	PASS
Band Edges	FCC §2.1051, §15.407(b)	PASS
Power Spectral Density	FCC §15.407(a)(1)	PASS
Spurious Emissions at Antenna Terminals	FCC §2.1051, §15.407(b)	PASS
Antenna Requirement	FCC §15.203	PASS

2. GENERAL TEST INFORMATION

2.1. DESCRIPTION OF EUT

EUT Name	:	deltaLINK™		
Model Number	:	DEC-H-D-800-10		
Power supply	:	Input through 12V DC Power Adaptor : 100-240VAC, 50/60Hz, 1.5-0.8A		
Operation frequency	:	WiFi: 802.11a/n(HT20)/ac(VHT20)/ax(HE20): 5180MHz~5240MHz; 5745MHz~5825MHz 802.11n(HT40)/ac(VHT40)/ax(HE40): 5190MHz~5230MHz; 5755MHz~5795MHz 802.11ac(VHT80)/ax(HE80): 5210MHz; 5775MHz		
Modulation	:	802.11a/n: BPSK/QPSK/16QAM/64QAM 802.11ac/ax: BPSK/QPSK/16QAM/64QAM/256QAM		
Data Rate	:	802.11a:6,9,12,18,24,36,48,54Mbps; 802.11ac(VHT20):MCS0-MCS8 802.11ac(VHT40/80):MCS0-MCS9 802.11n(HT20):MCS0-MCS7; 802.11n(HT40):MCS0-MCS7; 802.11ax(VHT20/40/80):MCS0-MCS11		
Antenna Type	:	For 5GHz Low: Internal Patch Antenna For 5GHz High: External Whip Antenna		
Antenna gain	:	For 5GHz Low: 3dBi +/- 1dB For 5GHz High: 5dBi		
Antenna Function Description:	:	802.11a/n(HT20)/ac(VHT20)/ax(HE20)	5180MHz~5240MHz	5GS_0, 5GS_1, 5GS_2, 5GS_3
	:	802.11n(HT40)/ac(VHT40)/ax(HE40)	5190MHz~5230MHz	
	:	802.11ac(VHT80)/ax(HE80)	5210MHz	
	:			
	:	802.11a/n(HT20)/ac(VHT20)/ax(HE20)	5745MHz~5825MHz	5GM_0, 5GM_1, 5GM_2, 5GM_3
	:	802.11n(HT40)/ac(VHT40)/ax(HE40)	5755MHz~5795MHz	
	:	802.11ac(VHT80)/ax(HE80)	5775MHz	
H/W No.	:	Rev. B1		
S/W No.	:	0.0.0.27		
Battery	:	N/A		
Condition of sample on receipt	:	Good		
Date of Receipt	:	Mar. 21, 2022		

Channel List							
802.11a/n/ac/ax (20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240
149	5745	153	5765	157	5785	161	5805
165	5825	--	--	--	--	--	--
802.11n/ac/ax (40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	151	5755	159	5795
802.11ac/ax (80MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	-	-	-	-	155	5775

2.2. ACCESSORIES OF EUT

Description of Accessories	Shielded Type	Ferrite Core	Length
Power adaptor Mean well Model: GSM60U12	-	-	-
Power adaptor (Alternate) Mean well Model: SGAS60U12-P1J			

2.3. ASSISTANT EQUIPMENT USED FOR TEST

Description of Assistant equipment	Manufacturer	Model number or Type	EMC Compliance	SN
Laptop	DELL	Latitude 3490	-	5M2Z1W2
-	-	-	-	-

3. EQUIPMENTS LIST FOR ALL TEST ITEMS

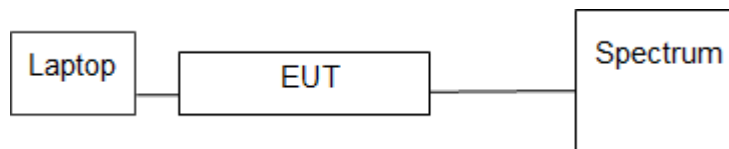
No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	Spectrum Analyzer	Rohde and Schwarz	FSP40	101163	2020/12/11	2022/12/10
2	Loop antenna	DAZE Beijing	ZN30900C	18052	2021/01/29	2023/01/28
3	Hi power horn antenna	DAZE Beijing	ZN30700	18012	2021/01/30	2023/01/29
4	Horn antenna	DAZE Beijing	ZN30702	18006	2021/01/30	2023/01/29
5	Horn antenna	DAZE Beijing	ZN30703	18005	2021/01/30	2023/01/29
6	Preamplifier	KELIANDA	LNA-0009295	-	2021/01/13	2023/01/13
7	Preamplifier	KELIANDA	CF-00218	-	2021/01/13	2023/01/13
8	Bi conical Antenna	DAZE Beijing	ZN30505C	17038	2021/01/28	2023/01/29
9	EMI-RECEIVER	Schwarzbeck	FCKL	1528194	2021/01/13	2023/01/13
10	Spectrum Analyzer	ADVANTEST	R3361	-	2021/01/13	2023/01/13
11	LISN	Kyoritsu	KNW-407	8-1789-5	2021/01/13	2023/01/13
12	Network-LISN	Schwarzbeck	NNBM8125	81251314	2021/01/13	2023/01/13
13	Network-LISN	Schwarzbeck	NNBM8125	81251315	2021/01/13	2023/01/13
14	PULSELIMITER	Rohde and Schwarz	ESH3-Z2	100681	2021/05/12	2022/05/11
15	50ΩCoaxialSwitch	DAIWA	1565157	-	2021/05/12	2022/05/11
16	50ΩCoaxialSwitch	-	-	-	2021/05/12	2022/05/11
17	Wireless signal power meter	DARE!!	RPR3006W	RFSW190220	2021/01/13	2023/01/13
18	Signal Generator	KEYSIGHT	N5181A	512071	2021/01/13	2023/01/13
19	RF Vector Signal Generator	Keysight	N5182B	512094	2021/01/13	2023/01/13
20	Spectrum analyzer	R&S	FSV-40N	101385	2021/01/13	2023/01/13



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No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
21	Radio Communication Tester	R&S	CMW 500	124589	2021/05/14	2022/5/13
22	Signal Generator	R&S	SMP02	837017/004 836593/005	2021/05/15	2022/05/13
23	DC Power Supply	Guanker	JK15040K	TNC/ET/C/0 01/15	2021/02/02	2023/02/01
24	Pro. Temp & Humi. chamber	MENTEK	MHP-150-1C	MAA081125 01	2021/02/02	2023/02/01
25	Attenuators	AGILENT	8494B	-	-	-
26	Attenuators	AGILENT	8495B	-	-	-

3.1. BLOCK DIAGRAM OF EUT CONFIGURATION FOR TEST



3.2. TEST ENVIRONMENT CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25°C
Humidity range:	40-75%
Pressure range:	86-106kPa

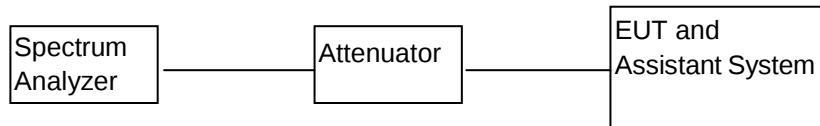
3.3. MEASUREMENT UNCERTAINTY

No.	Item	Uncertainty
1	Conducted Emission Test	2.70dB
2	Radiated Emission Test	3.09dB
3	RF power, conducted	2.46dB
4	RF power density, conducted	2.24dB
5	Spurious emissions, conducted	2.71dB
6	All emissions, radiated(<1G)	3.08dB
7	All emissions, radiated(>1G)	3.09dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4. POWER SPECTRAL DENSITY TEST

4.1. BLOCK DIAGRAM OF TEST SETUP



4.2. APPLIED PROCEDURES / LIMIT

According to FCC §15.407(a)(3)

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omni directional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi..

4.3. TEST PROCEDURE

(For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.1.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since RBW=100 KHz is available on nearly all spectrum analyzers.

4.4. TEST RESULT:5GS_0

CH. No.	Frequency	power density (dBm/MHz)	Limit (dBm/MHz)	Result
TX 802.11a Mode				
CH36	5180	6.22	17	Pass
CH44	5220	5.53	17	Pass
CH48	5240	3.48	17	Pass
TX 802.11n20 Mode				
CH36	5180	7.07	17	Pass
CH44	5220	5.15	17	Pass
CH48	5240	3.81	17	Pass
TX 802.11n40 Mode				
CH38	5190	5.43	17	Pass
CH46	5230	2.46	17	Pass
TX 802.11ac20 Mode				
CH36	5180	7.55	17	Pass
CH44	5220	5.61	17	Pass
CH48	5240	4.94	17	Pass
TX 802.11ac40 Mode				
CH38	5190	4.92	17	Pass
CH46	5230	3.21	17	Pass
TX 802.11ac80 Mode				
CH42	5210	1.29	17	Pass
TX 802.11ax20 Mode				
CH36	5180	8.26	17	Pass
CH44	5220	7.68	17	Pass
CH48	5240	4.53	17	Pass
TX 802.11ax40 Mode				
CH38	5190	4.68	17	Pass
CH46	5230	3.16	17	Pass
TX 802.11ax80 Mode				
CH42	5210	1.12	17	Pass

TEST RESULT:5GS_1

CH. No.	Frequency	power density (dBm/MHz)	Limit (dBm/MHz)	Result
TX 802.11a Mode				
CH36	5180	8.26	17	Pass
CH44	5220	4.22	17	Pass
CH48	5240	3.89	17	Pass
TX 802.11n20 Mode				
CH36	5180	7.47	17	Pass
CH44	5220	4.26	17	Pass
CH48	5240	3.55	17	Pass
TX 802.11n40 Mode				
CH38	5190	3.71	17	Pass
CH46	5230	0.32	17	Pass
TX 802.11ac20 Mode				
CH36	5180	3.52	17	Pass
CH44	5220	2.66	17	Pass
CH48	5240	2.39	17	Pass
TX 802.11ac40 Mode				
CH38	5190	3.57	17	Pass
CH46	5230	0.59	17	Pass
TX 802.11ac80 Mode				
CH42	5210	-1.62	17	Pass
TX 802.11ax20 Mode				
CH36	5180	5.78	17	Pass
CH44	5220	3.19	17	Pass
CH48	5240	2.45	17	Pass
TX 802.11ax40 Mode				
CH38	5190	4.60	17	Pass
CH46	5230	1.95	17	Pass
TX 802.11ax80 Mode				
CH42	5210	-0.60	17	Pass

TEST RESULT:5GS_2

CH. No.	Frequency	power density (dBm/MHz)	Limit (dBm/MHz)	Result
TX 802.11a Mode				
CH36	5180	7.07	17	Pass
CH44	5220	3.19	17	Pass
CH48	5240	4.74	17	Pass
TX 802.11n20 Mode				
CH36	5180	7.61	17	Pass
CH44	5220	6.16	17	Pass
CH48	5240	4.35	17	Pass
TX 802.11n40 Mode				
CH38	5190	2.42	17	Pass
CH46	5230	-0.62	17	Pass
TX 802.11ac20 Mode				
CH36	5180	7.52	17	Pass
CH44	5220	5.56	17	Pass
CH48	5240	4.18	17	Pass
TX 802.11ac40 Mode				
CH38	5190	2.56	17	Pass
CH46	5230	-0.98	17	Pass
TX 802.11ac80 Mode				
CH42	5210	-5.12	17	Pass
TX 802.11ax20 Mode				
CH36	5180	6.36	17	Pass
CH44	5220	2.98	17	Pass
CH48	5240	2.21	17	Pass
TX 802.11ax40 Mode				
CH38	5190	3.40	17	Pass
CH46	5230	-0.27	17	Pass
TX 802.11ax80 Mode				
CH42	5210	-2.44	17	Pass

TEST RESULT:5GS_3

CH. No.	Frequency	power density (dBm/MHz)	Limit (dBm/MHz)	Result
TX 802.11a Mode				
CH36	5180	7.64	17	Pass
CH44	5220	5.19	17	Pass
CH48	5240	3.74	17	Pass
TX 802.11n20 Mode				
CH36	5180	5.82	17	Pass
CH44	5220	4.32	17	Pass
CH48	5240	3.93	17	Pass
TX 802.11n40 Mode				
CH38	5190	4.97	17	Pass
CH46	5230	0.94	17	Pass
TX 802.11ac20 Mode				
CH36	5180	9.03	17	Pass
CH44	5220	8.96	17	Pass
CH48	5240	8.79	17	Pass
TX 802.11ac40 Mode				
CH38	5190	4.04	17	Pass
CH46	5230	1.02	17	Pass
TX 802.11ac80 Mode				
CH42	5210	0.69	17	Pass
TX 802.11ax20 Mode				
CH36	5180	6.22	17	Pass
CH44	5220	6.13	17	Pass
CH48	5240	4.19	17	Pass
TX 802.11ax40 Mode				
CH38	5190	5.18	17	Pass
CH46	5230	2.77	17	Pass
TX 802.11ax80 Mode				
CH42	5210	-0.45	17	Pass

TEST RESULT:5GM_0

CH. No.	Frequency	Limit (dBm/500KHz)	Limit (dBm/500KHz)	Result
TX 802.11a Mode				
CH 149	5745	7.30	30	Pass
CH 157	5785	5.17	30	Pass
CH 165	5825	5.61	30	Pass
TX 802.11n20 Mode				
CH 149	5745	6.60	30	Pass
CH 157	5785	5.56	30	Pass
CH 165	5825	6.15	30	Pass
TX 802.11n40 Mode				
CH151	5755	3.85	30	Pass
CH159	5795	2.19	30	Pass
TX 802.11ac20 Mode				
CH 149	5745	6.34	30	Pass
CH 157	5785	4.84	30	Pass
CH 165	5825	5.05	30	Pass
TX 802.11ac40 Mode				
CH151	5755	4.06	30	Pass
CH159	5795	1.91	30	Pass
TX 802.11ac80 Mode				
CH155	5775	0.12	30	Pass
TX 802.11ax20 Mode				
CH 149	5745	7.96	30	Pass
CH 157	5785	6.55	30	Pass
CH 165	5825	6.35	30	Pass
TX 802.11ax40 Mode				
CH151	5755	4.13	30	Pass
CH159	5795	3.36	30	Pass
TX 802.11ax80 Mode				
CH155	5775	1.33	30	Pass

TEST RESULT:5GM_1

CH. No.	Frequency	Limit (dBm/500KHz)	Limit (dBm/500KHz)	Result
TX 802.11a Mode				
CH 149	5745	6.56	30	Pass
CH 157	5785	7.08	30	Pass
CH 165	5825	6.78	30	Pass
TX 802.11n20 Mode				
CH 149	5745	8.33	30	Pass
CH 157	5785	8.16	30	Pass
CH 165	5825	7.52	30	Pass
TX 802.11n40 Mode				
CH151	5755	5.54	30	Pass
CH159	5795	5.13	30	Pass
TX 802.11ac20 Mode				
CH 149	5745	8.07	30	Pass
CH 157	5785	9.34	30	Pass
CH 165	5825	8.34	30	Pass
TX 802.11ac40 Mode				
CH151	5755	5.72	30	Pass
CH159	5795	4.01	30	Pass
TX 802.11ac80 Mode				
CH155	5775	2.01	30	Pass
TX 802.11ax20 Mode				
CH 149	5745	8.66	30	Pass
CH 157	5785	9.62	30	Pass
CH 165	5825	10.01	30	Pass
TX 802.11ax40 Mode				
CH151	5755	6.68	30	Pass
CH159	5795	6.27	30	Pass
TX 802.11ax80 Mode				
CH155	5775	2.76	30	Pass

TEST RESULT:5GM_2

CH. No.	Frequency	Limit (dBm/500KHz)	Limit (dBm/500KHz)	Result
TX 802.11a Mode				
CH 149	5745	8.06	30	Pass
CH 157	5785	8.15	30	Pass
CH 165	5825	9.48	30	Pass
TX 802.11n20 Mode				
CH 149	5745	7.83	30	Pass
CH 157	5785	7.76	30	Pass
CH 165	5825	8.08	30	Pass
TX 802.11n40 Mode				
CH151	5755	5.53	30	Pass
CH159	5795	5.03	30	Pass
TX 802.11ac20 Mode				
CH 149	5745	8.65	30	Pass
CH 157	5785	8.27	30	Pass
CH 165	5825	8.78	30	Pass
TX 802.11ac40 Mode				
CH151	5755	5.33	30	Pass
CH159	5795	4.68	30	Pass
TX 802.11ac80 Mode				
CH155	5775	4.41	30	Pass
TX 802.11ax20 Mode				
CH 149	5745	8.80	30	Pass
CH 157	5785	8.94	30	Pass
CH 165	5825	9.69	30	Pass
TX 802.11ax40 Mode				
CH151	5755	5.86	30	Pass
CH159	5795	6.55	30	Pass
TX 802.11ax80 Mode				
CH155	5775	4.11	30	Pass

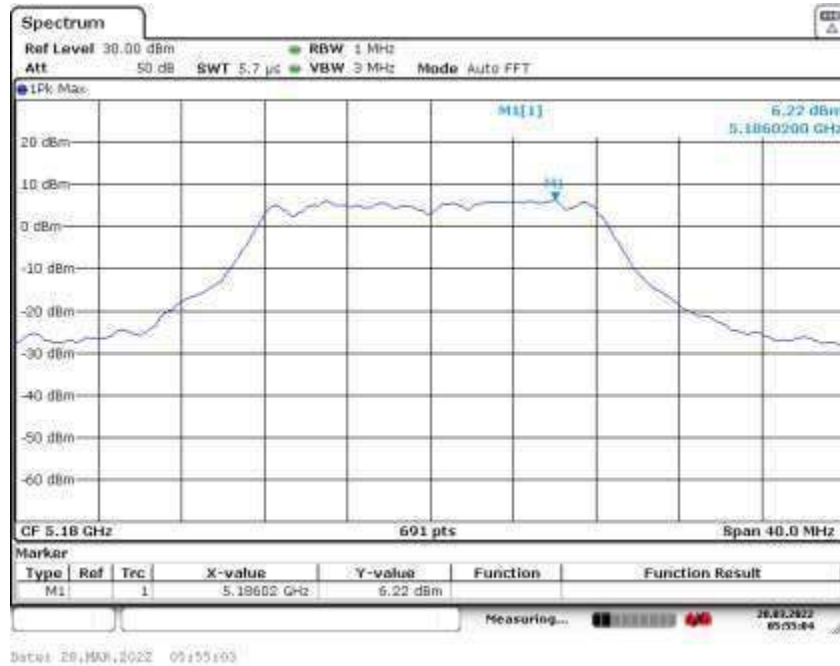
TEST RESULT:5GM_3

CH. No.	Frequency	Limit (dBm/500KHz)	Limit (dBm/500KHz)	Result
TX 802.11a Mode				
CH 149	5745	7.80	30	Pass
CH 157	5785	8.91	30	Pass
CH 165	5825	10.38	30	Pass
TX 802.11n20 Mode				
CH 149	5745	8.02	30	Pass
CH 157	5785	9.00	30	Pass
CH 165	5825	9.41	30	Pass
TX 802.11n40 Mode				
CH151	5755	7.51	30	Pass
CH159	5795	5.36	30	Pass
TX 802.11ac20 Mode				
CH 149	5745	8.44	30	Pass
CH 157	5785	8.95	30	Pass
CH 165	5825	9.14	30	Pass
TX 802.11ac40 Mode				
CH151	5755	5.82	30	Pass
CH159	5795	5.21	30	Pass
TX 802.11ac80 Mode				
CH155	5775	4.20	30	Pass
TX 802.11ax20 Mode				
CH 149	5745	9.42	30	Pass
CH 157	5785	10.07	30	Pass
CH 165	5825	10.44	30	Pass
TX 802.11ax40 Mode				
CH151	5755	6.89	30	Pass
CH159	5795	6.61	30	Pass
TX 802.11ax80 Mode				
CH155	5775	4.62	30	Pass

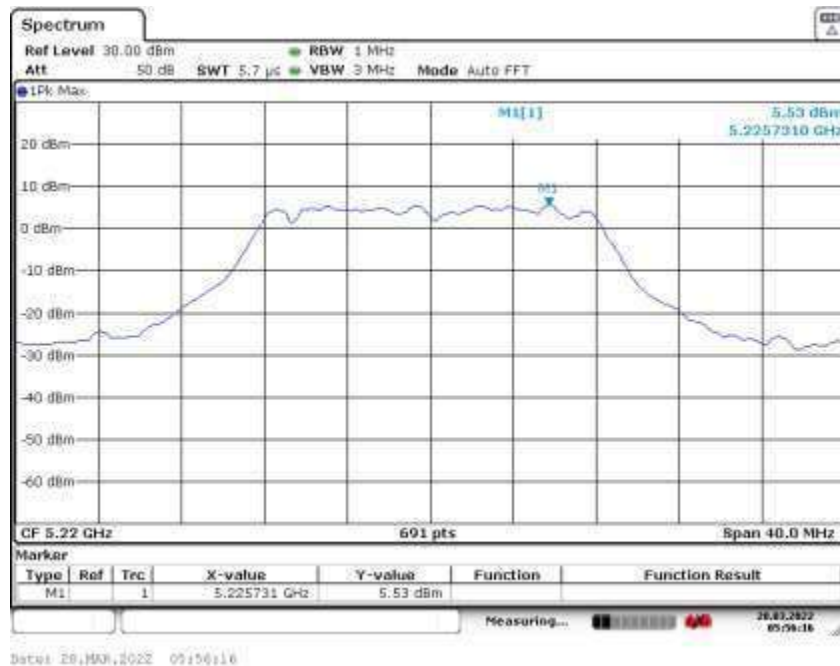
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GS_0

802.11a
Channel: 36

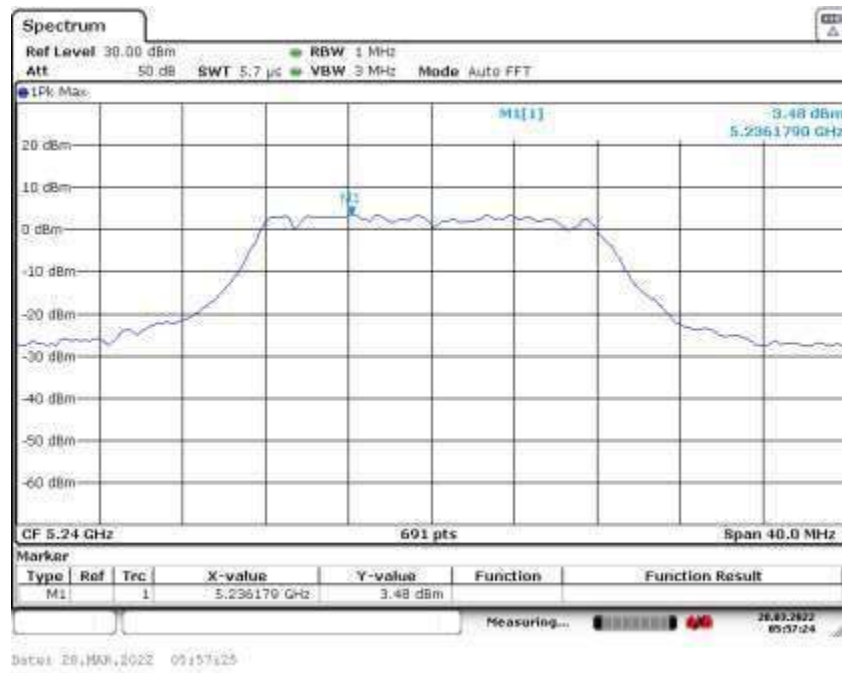


Channel: 44



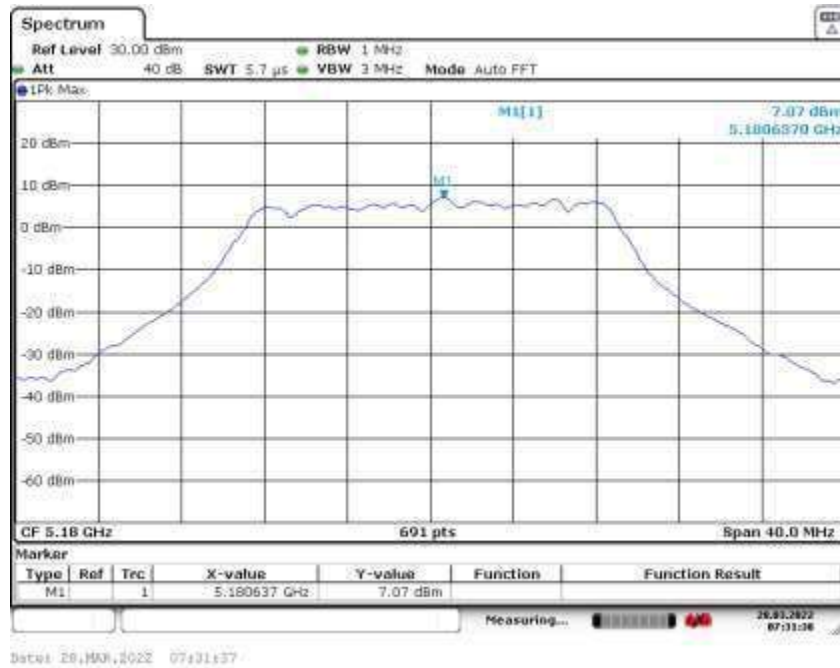
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

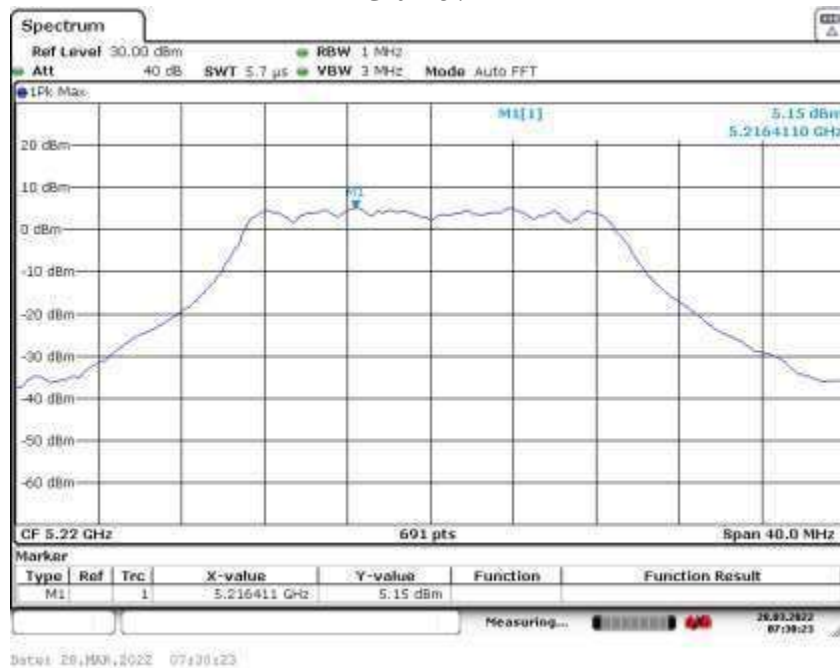


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 36

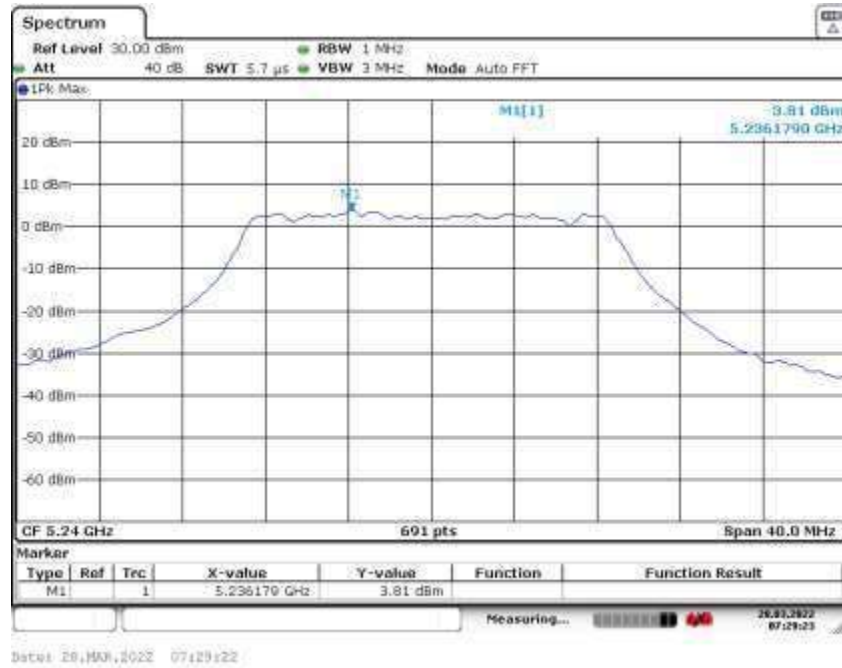


Channel: 44



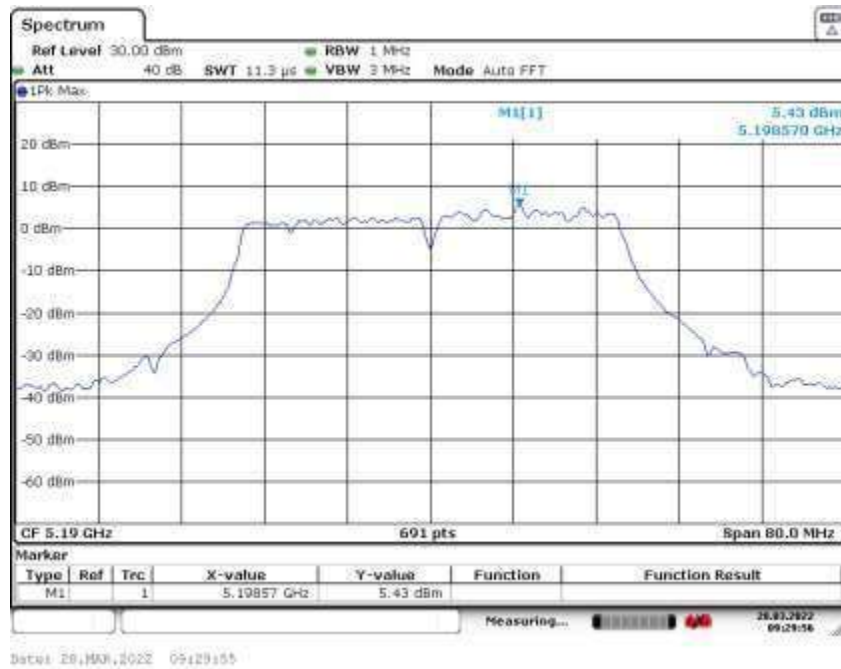
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

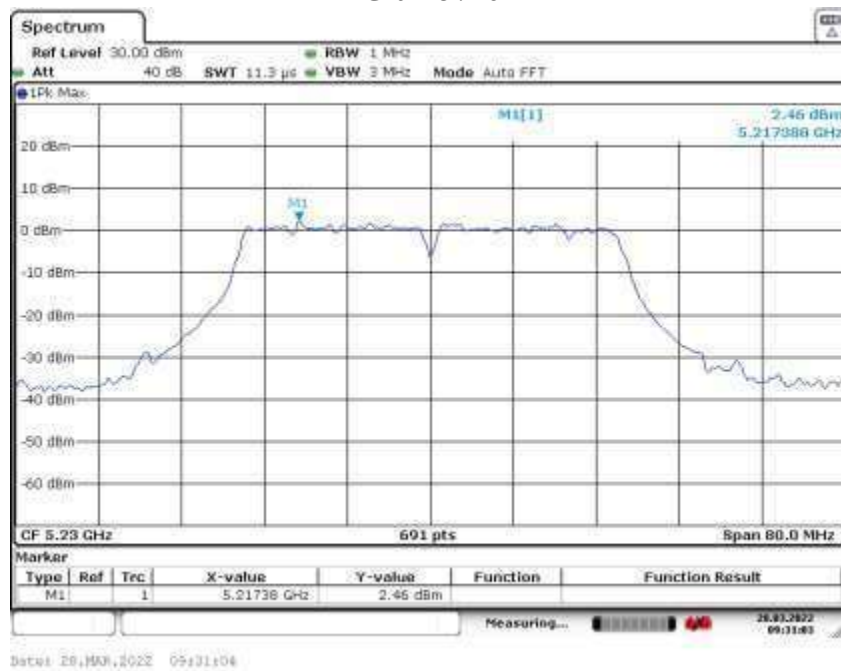


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 38

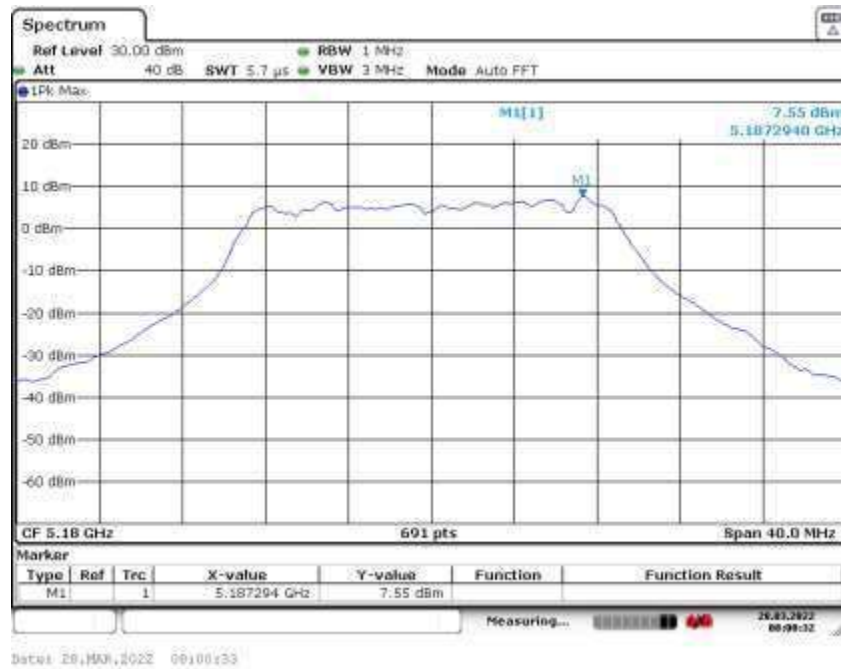


Channel: 46

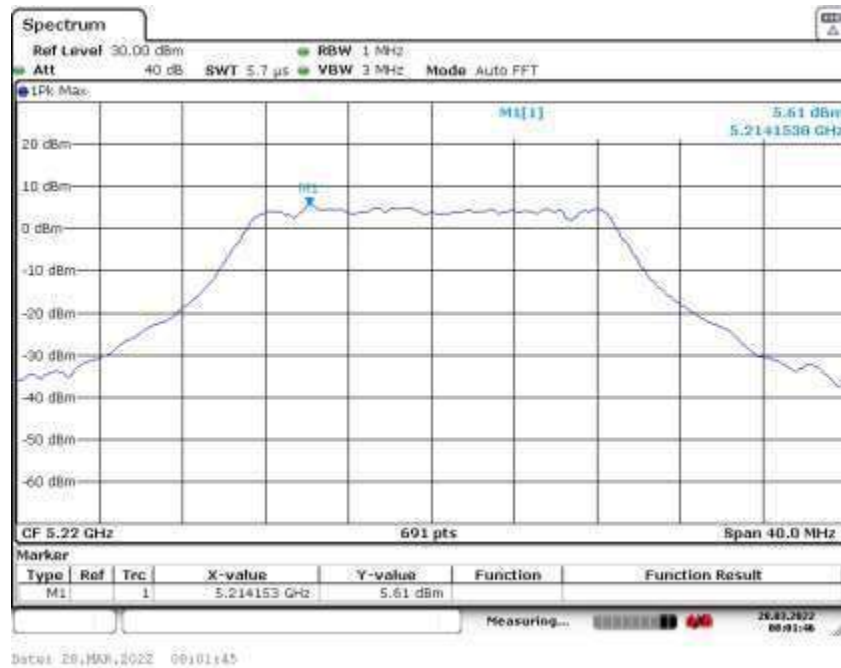


Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 36

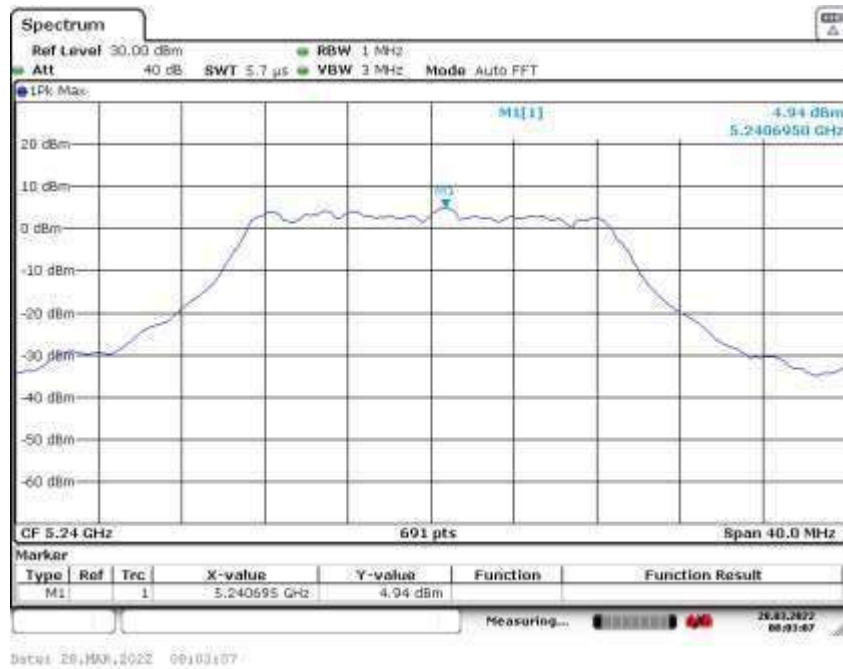


Channel: 44

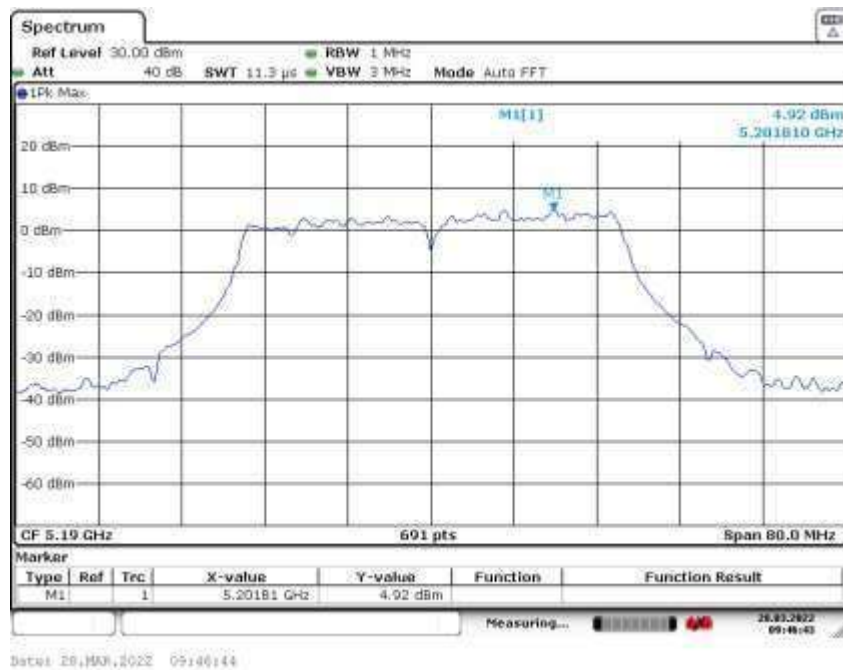


Report No.: AAEMT/EMC/220321-01-05

Channel: 48

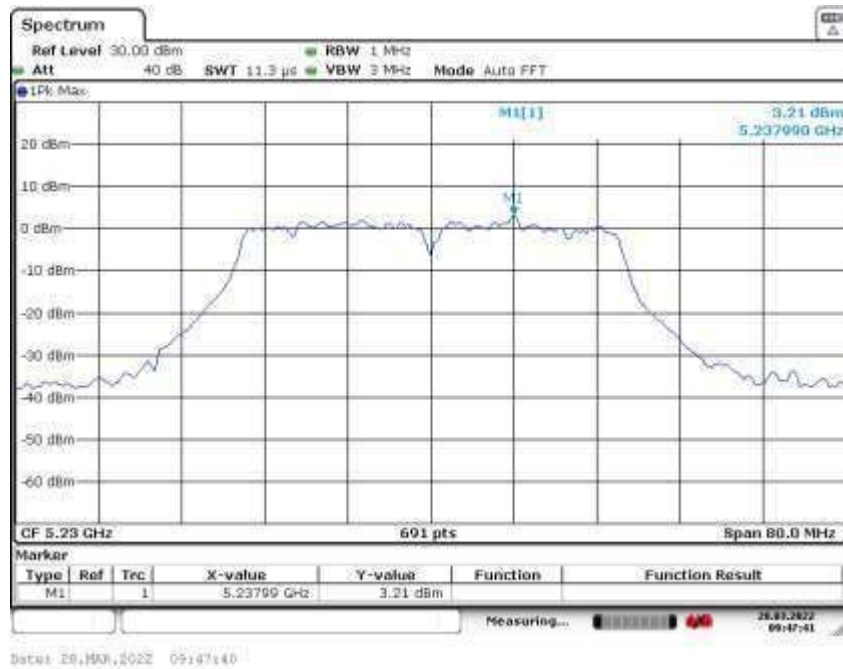


802.11ac40
Channel: 38



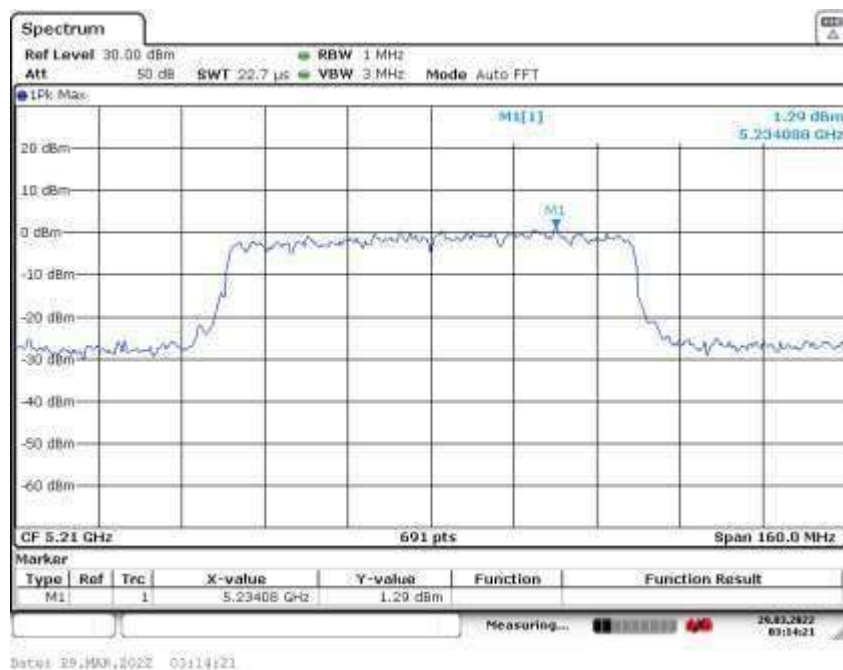
Report No.: AAEMT/EMC/220321-01-05

Channel: 46



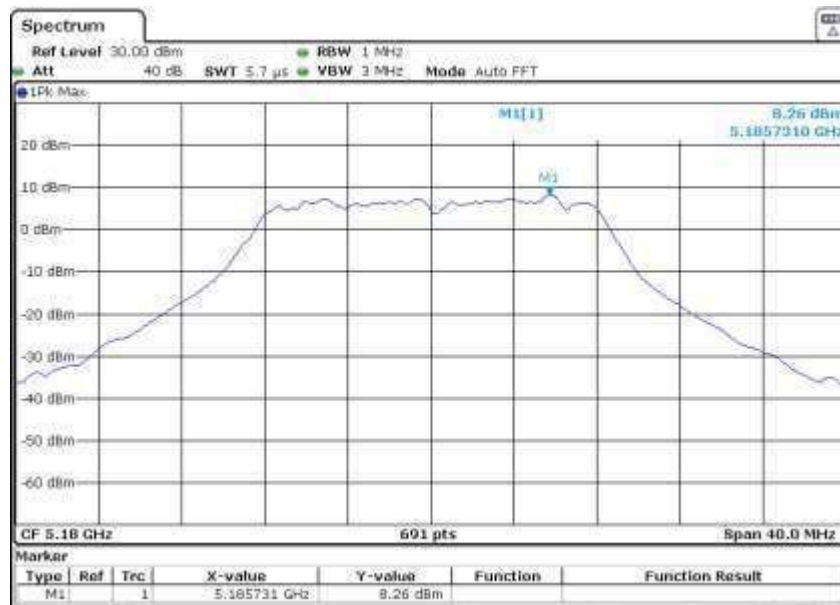
802.11ac80

Channel: 42

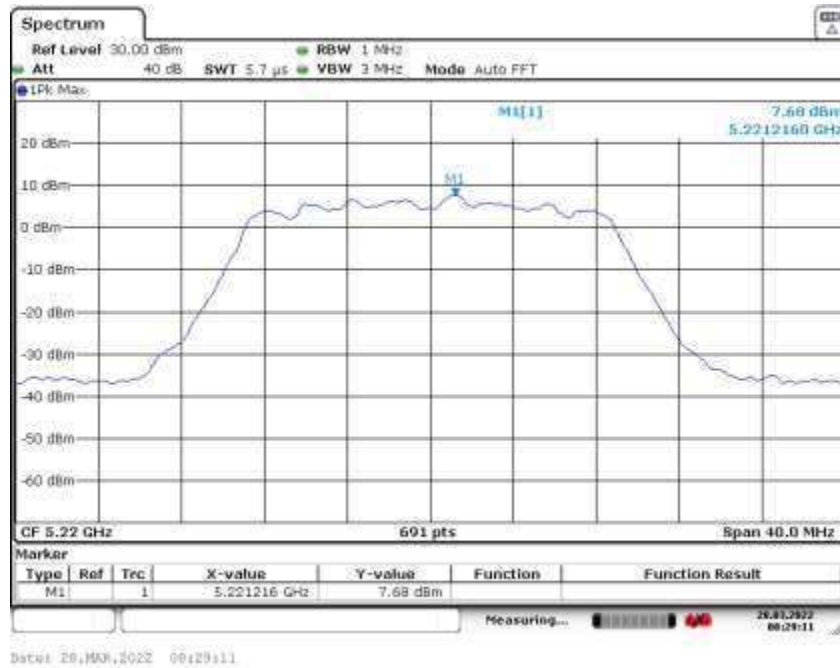


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 36

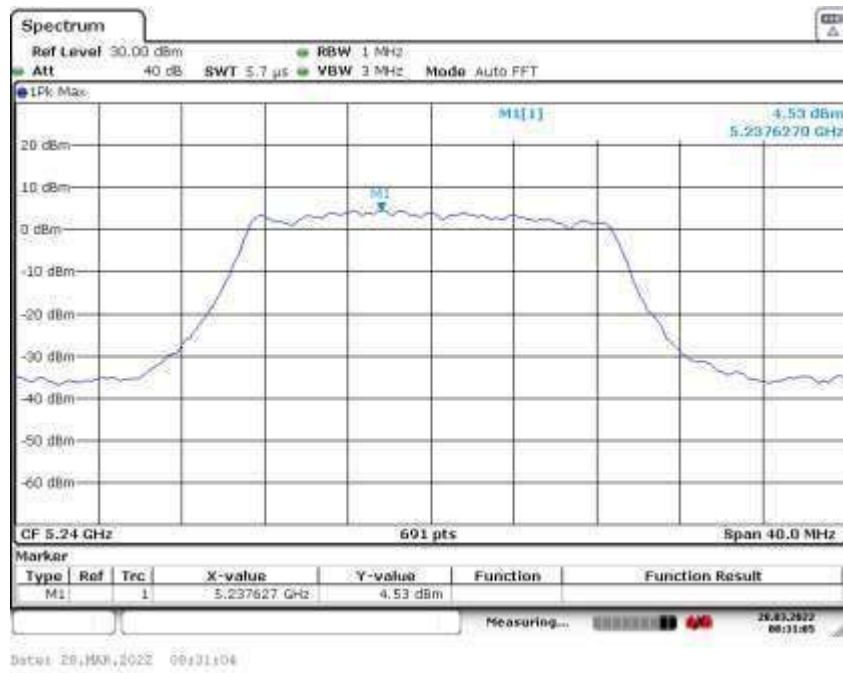


Channel: 44

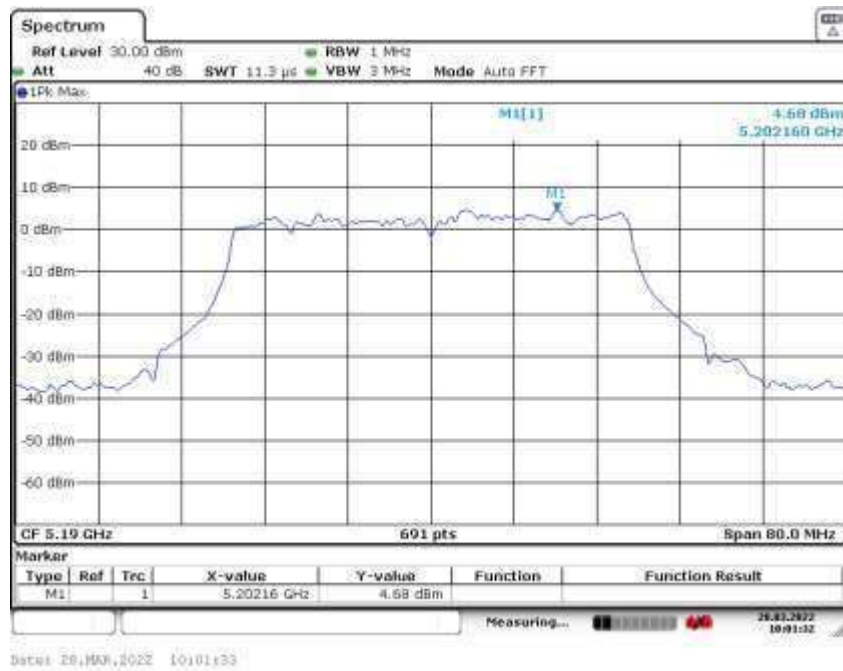


Report No.: AAEMT/EMC/220321-01-05

Channel: 48

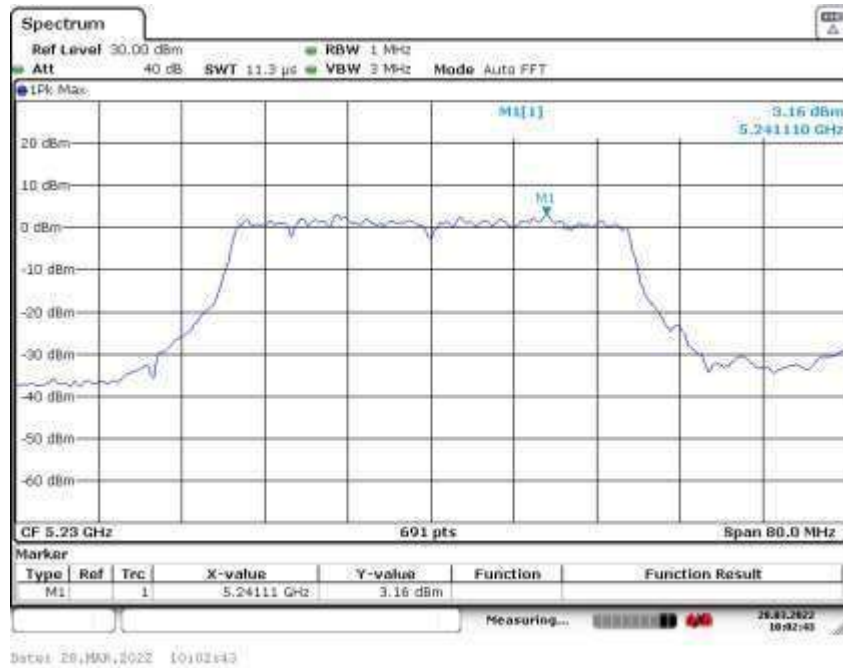


802.11ax40
Channel: 38



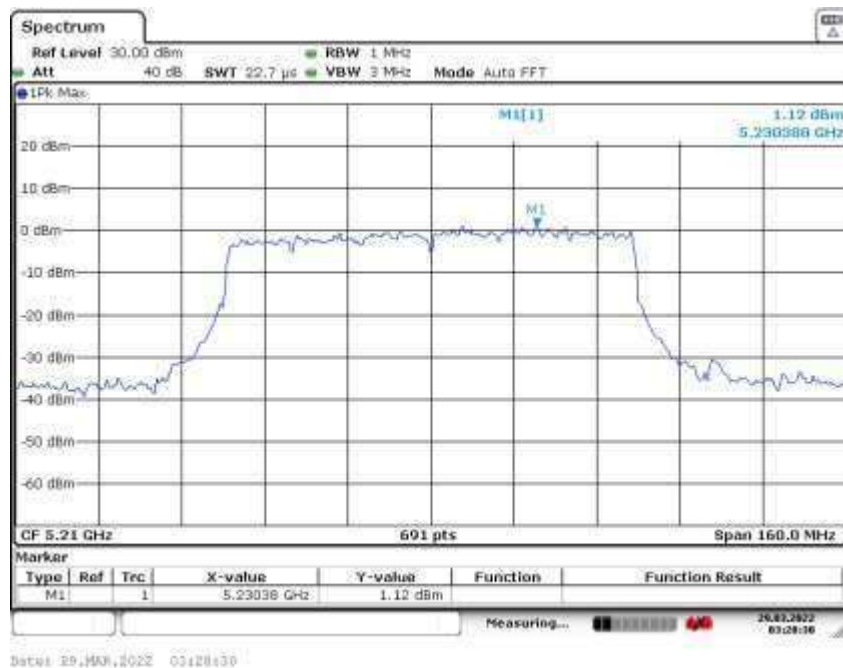
Report No.: AAEMT/EMC/220321-01-05

Channel: 46



802.11ax80

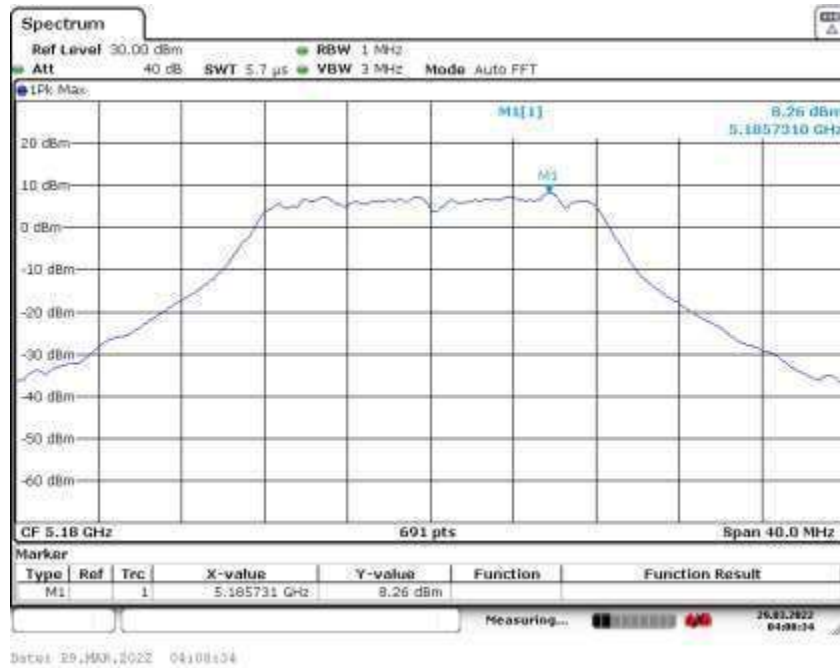
Channel: 42



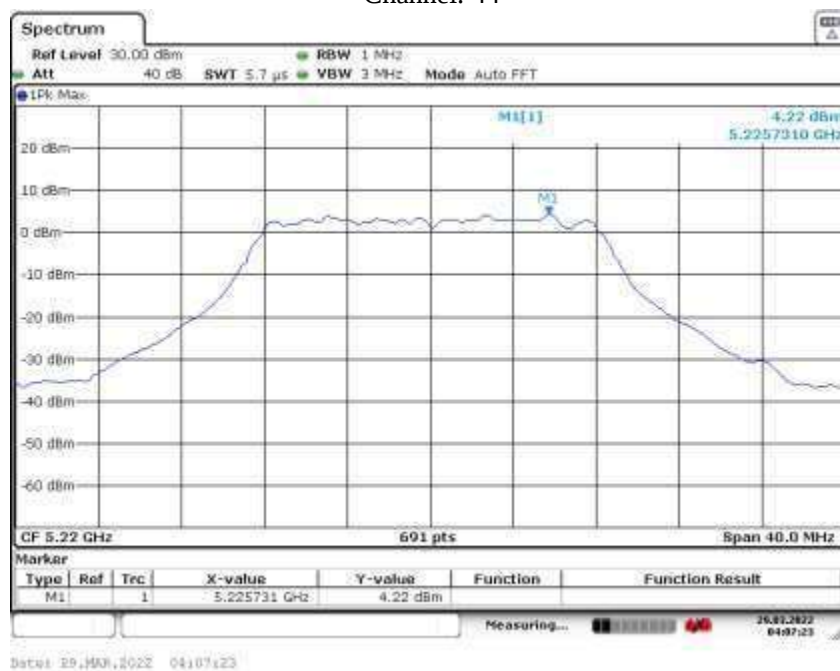
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GS_1

802.11a
Channel: 36

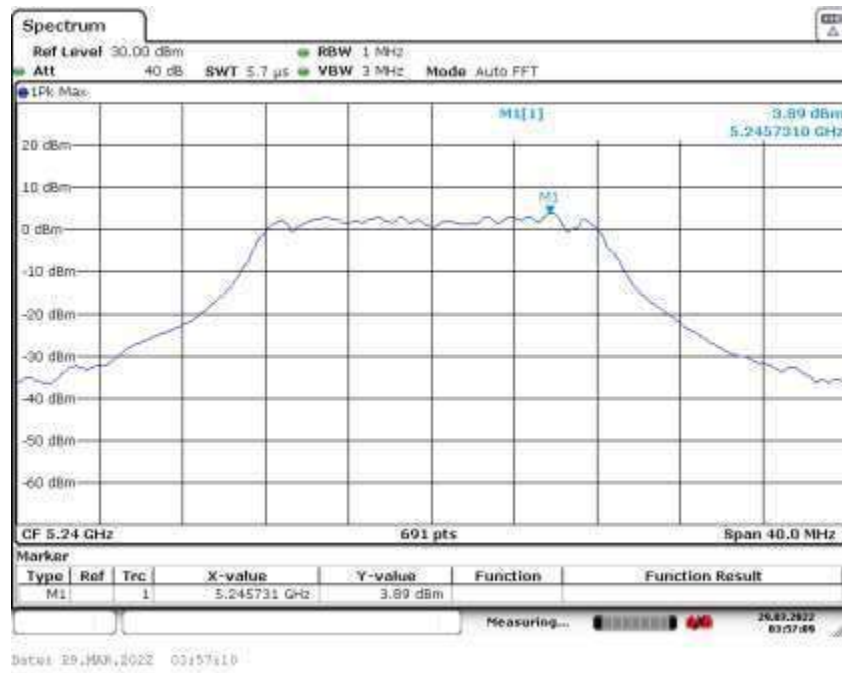


Channel: 44



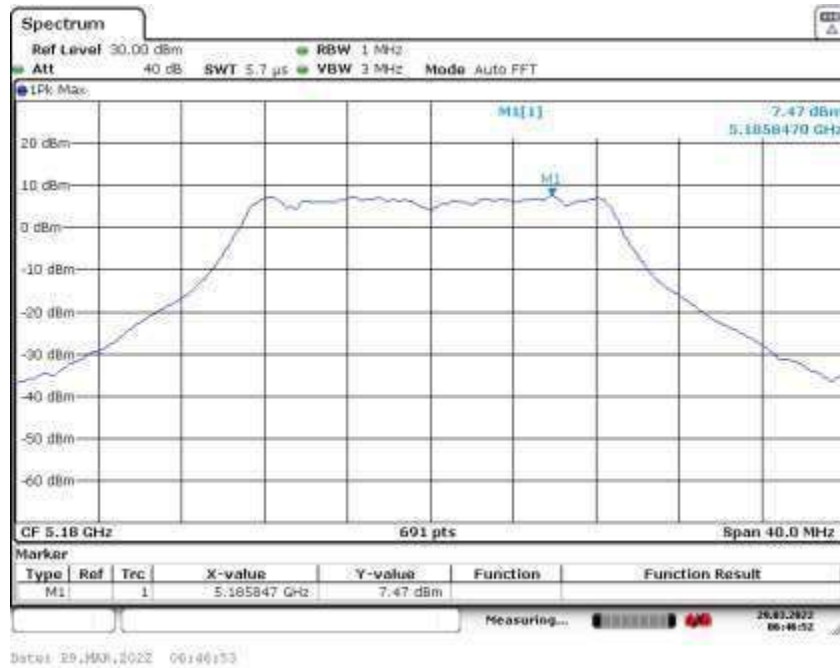
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

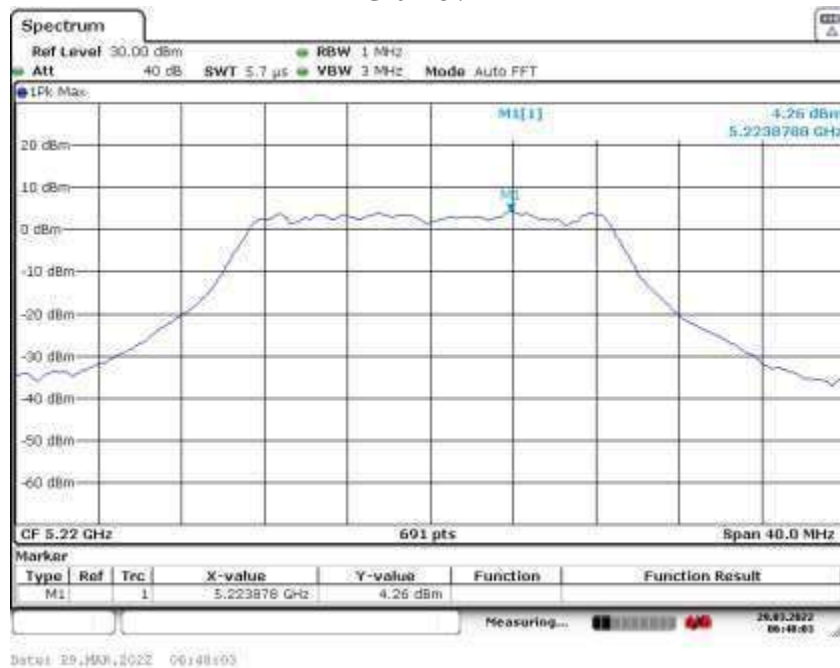


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 36

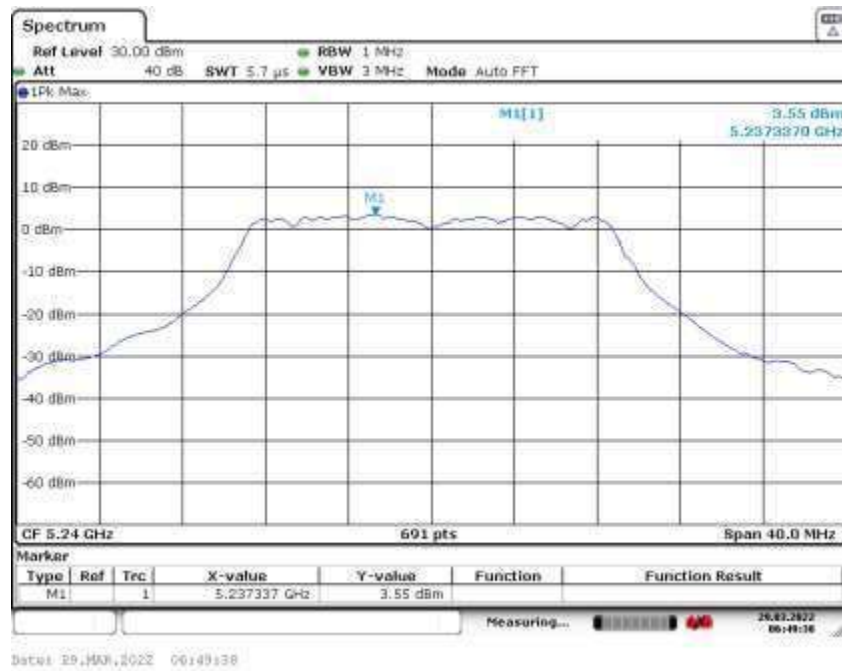


Channel: 44



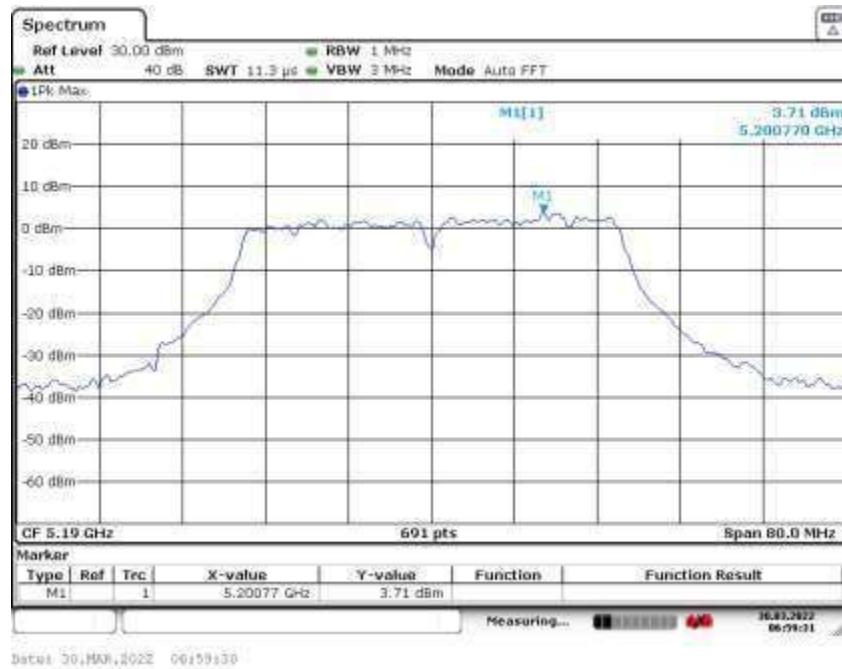
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

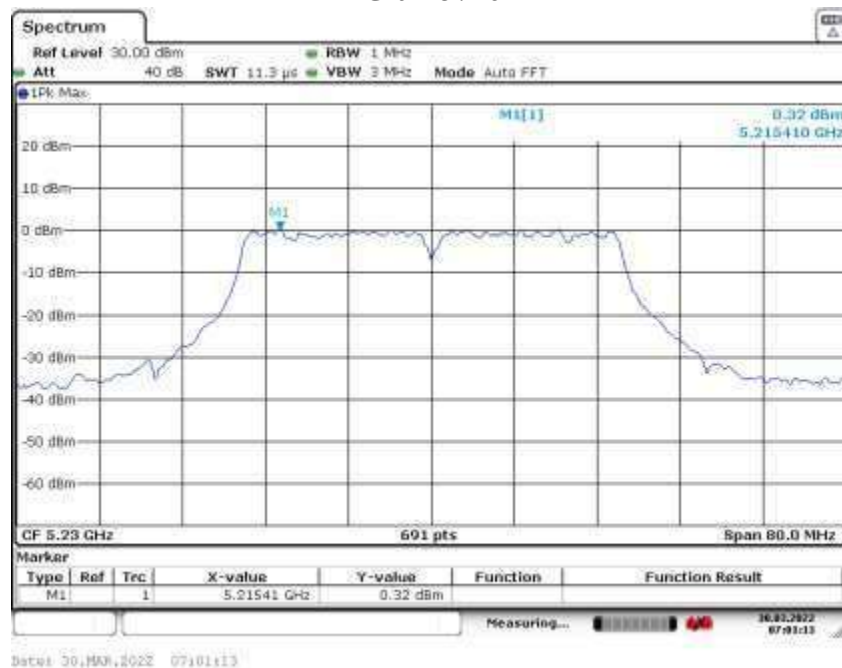


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 38

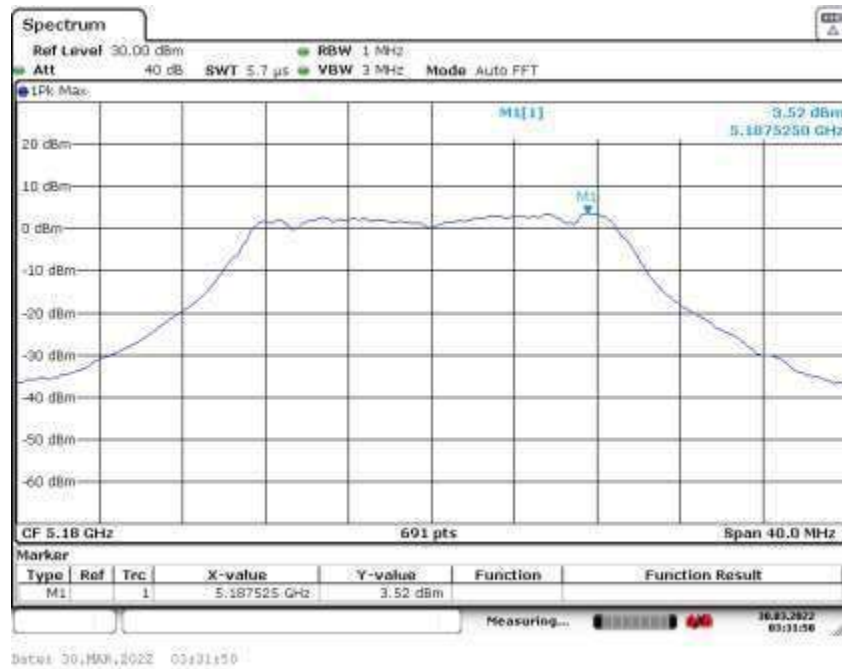


Channel: 46



Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 36

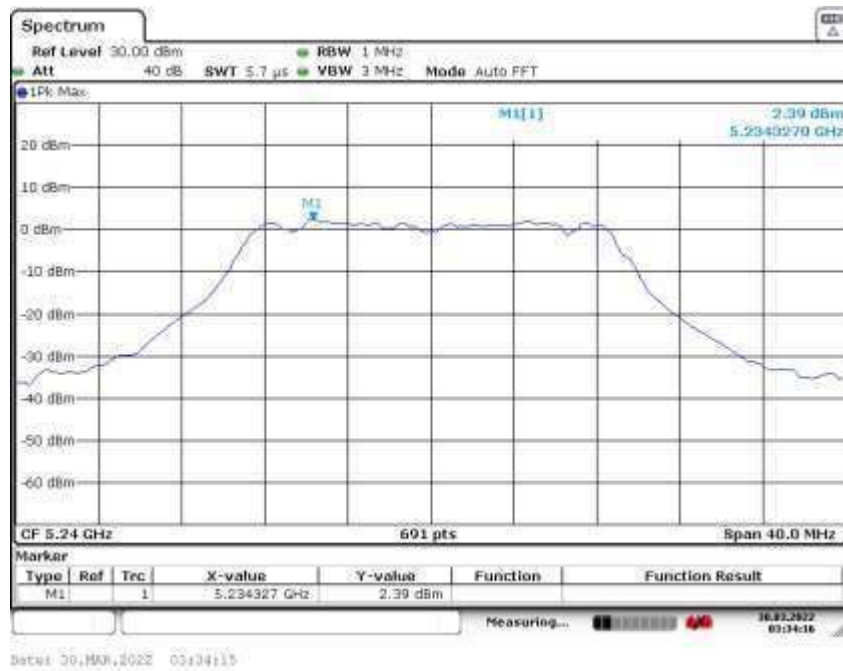


Channel: 44

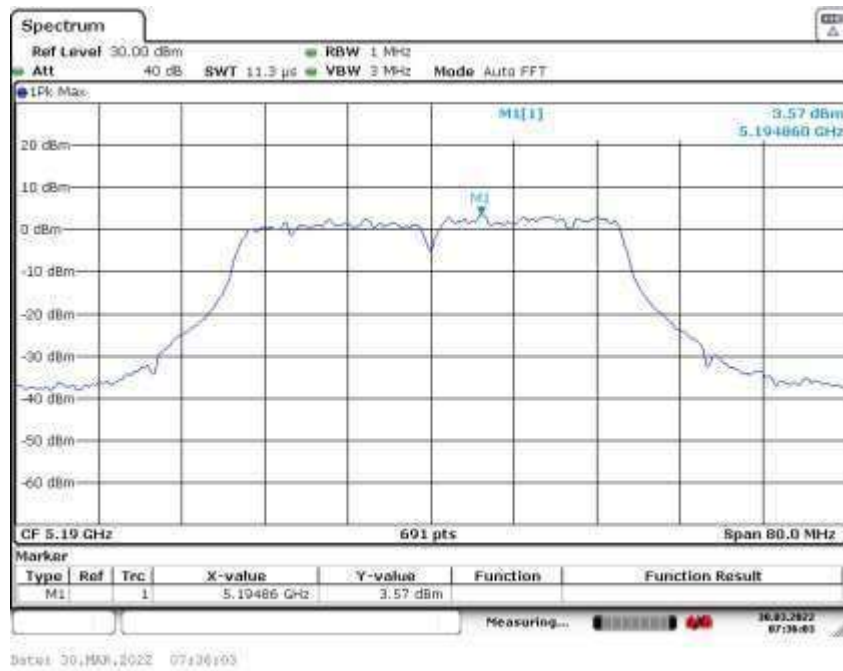


Report No.: AAEMT/EMC/220321-01-05

Channel: 48

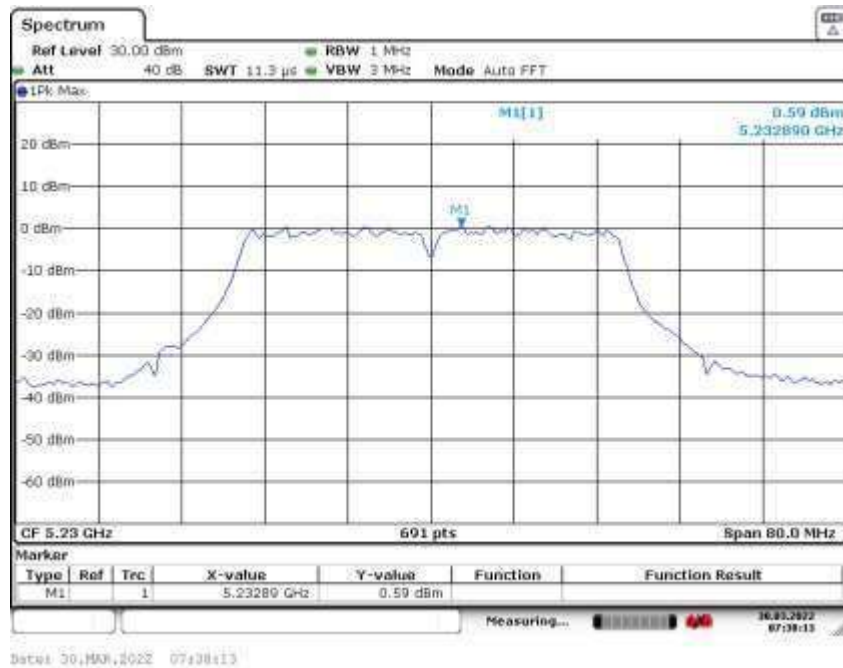


802.11ac40
Channel: 38

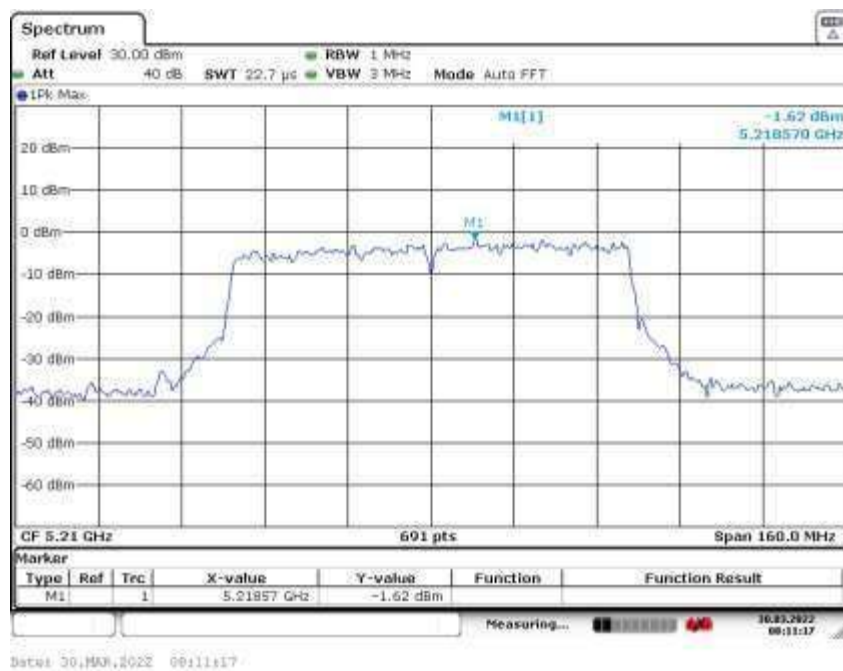


Report No.: AAEMT/EMC/220321-01-05

Channel: 46

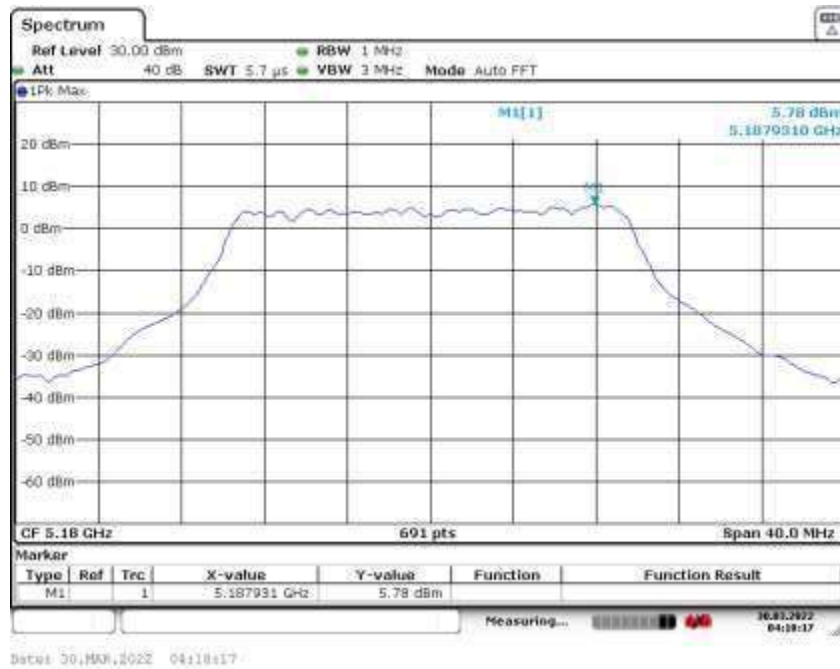


802.11ac80
Channel: 42

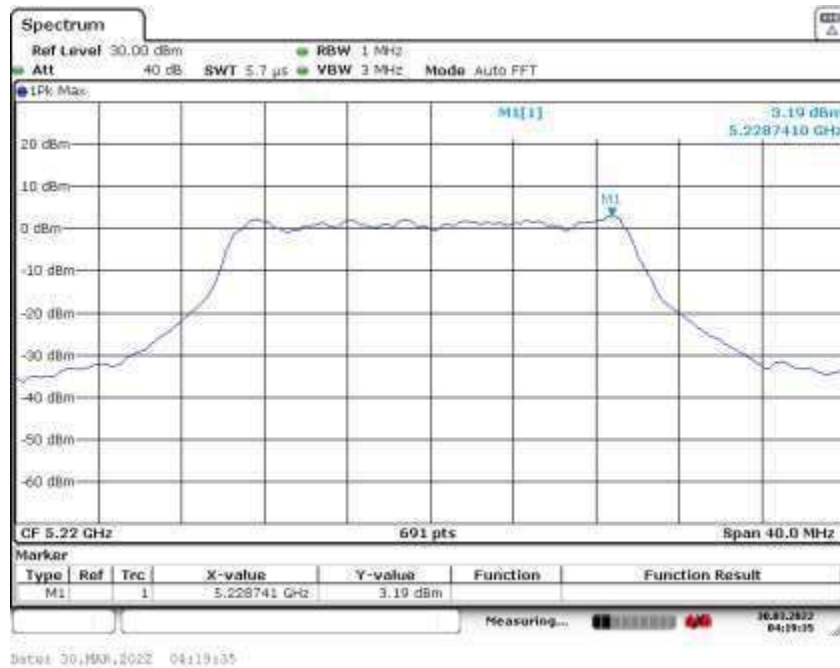


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 36

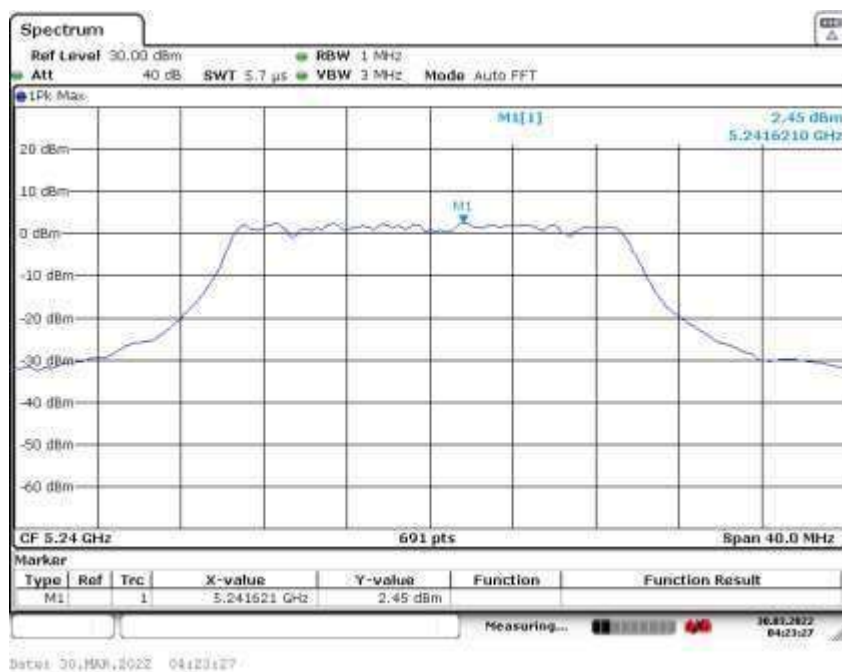


Channel: 44



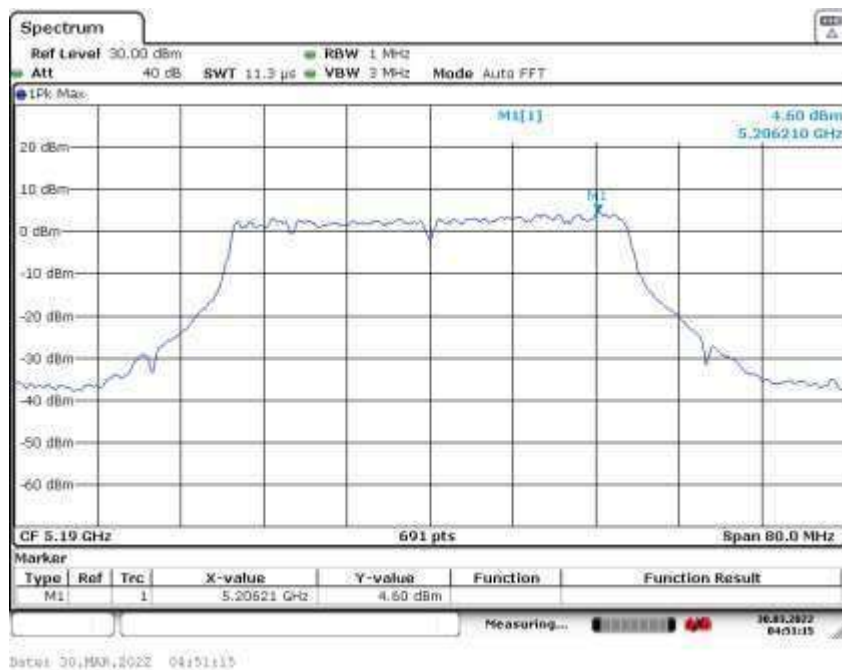
Report No.: AAEMT/EMC/220321-01-05

Channel: 48



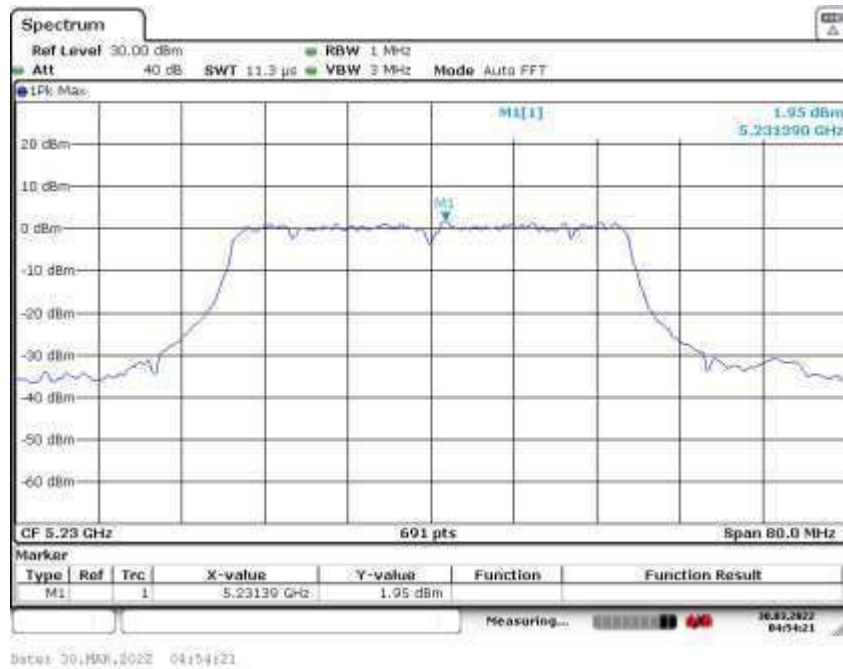
802.11ax40

Channel: 38



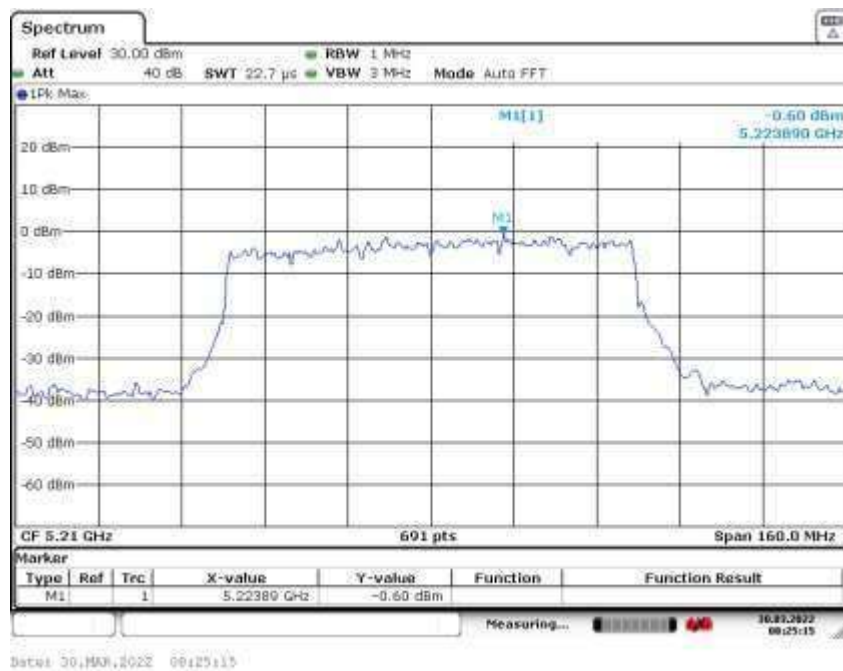
Report No.: AAEMT/EMC/220321-01-05

Channel: 46



802.11ax80

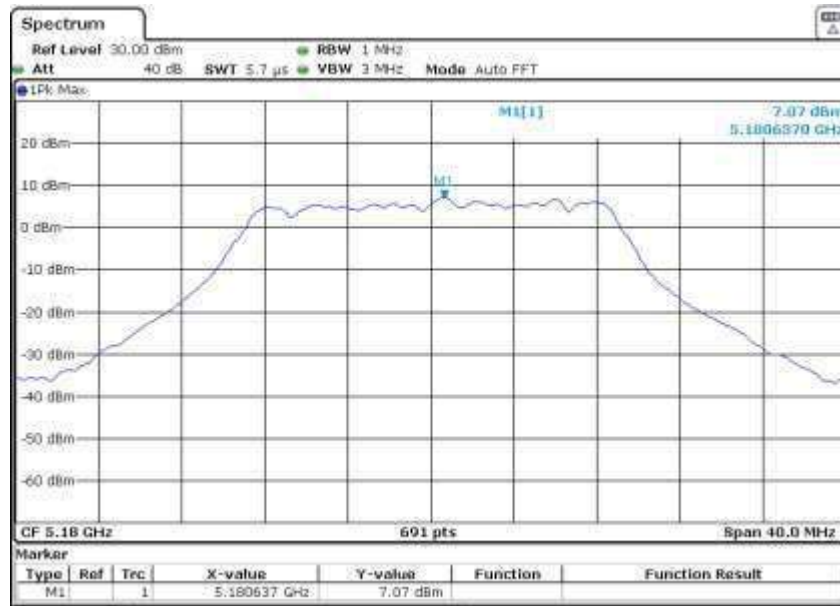
Channel: 42



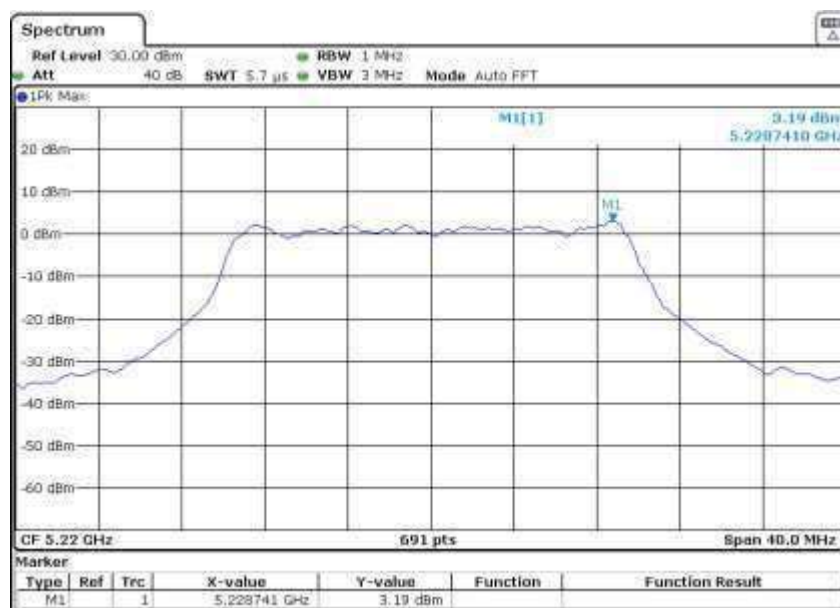
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GS_2

802.11a
Channel: 36

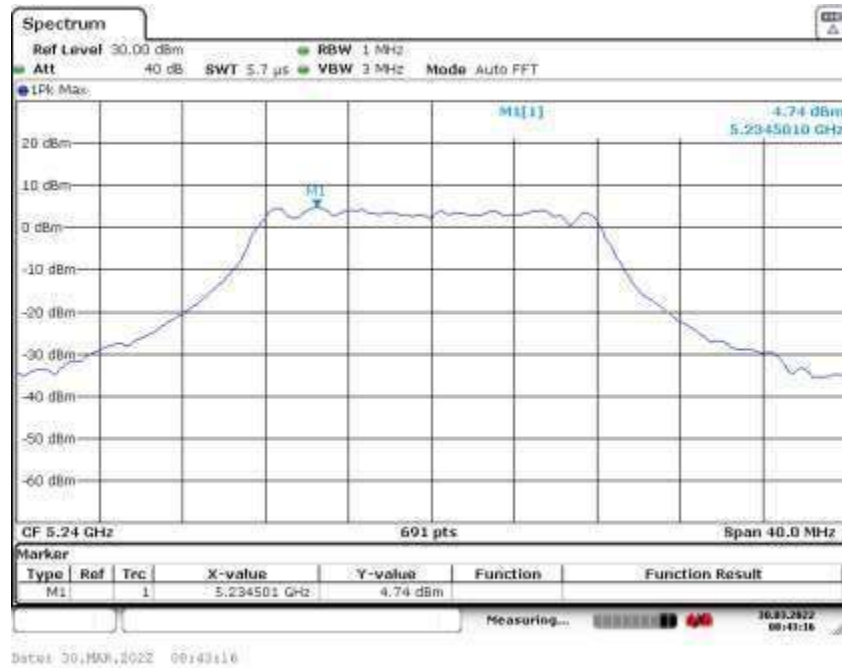


Channel: 44



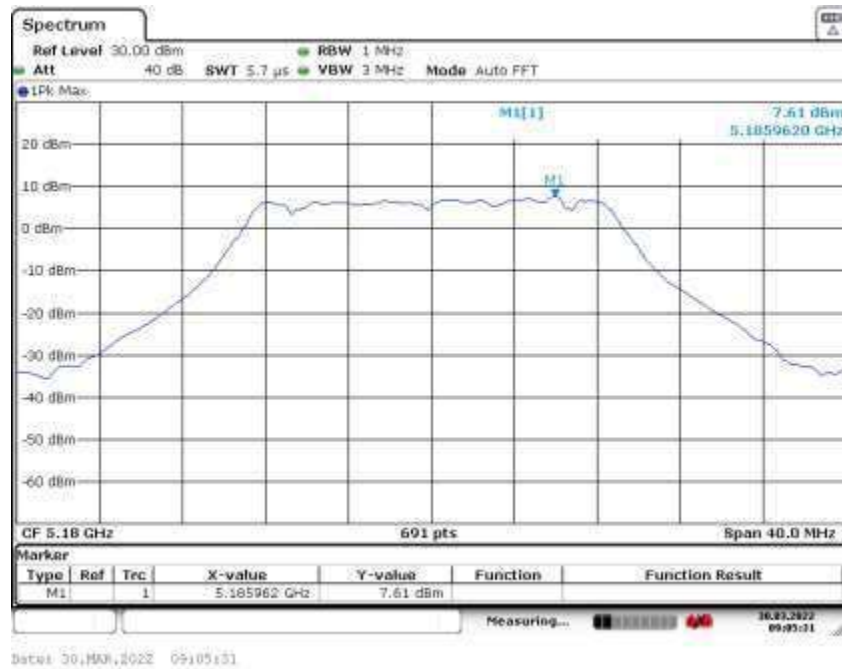
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

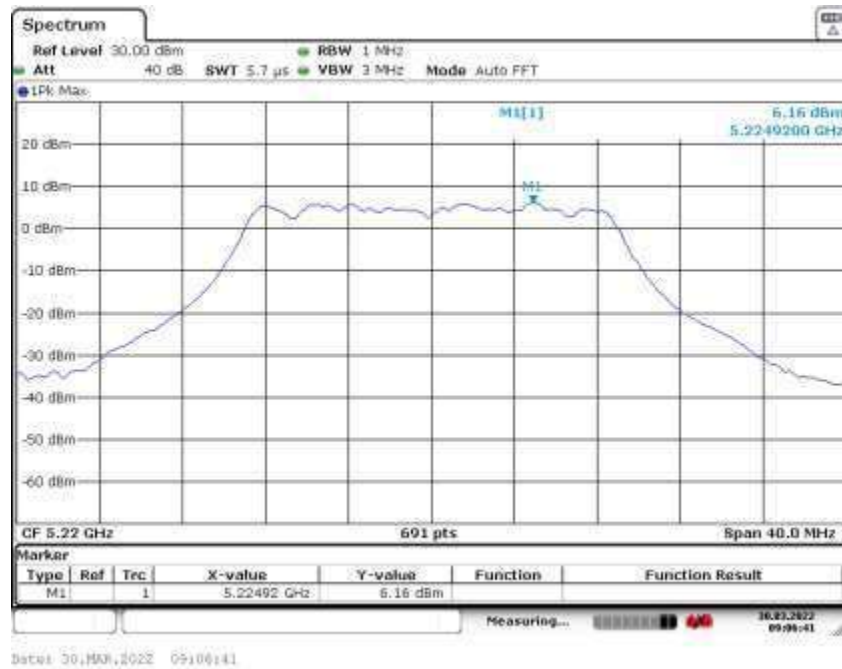


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 36

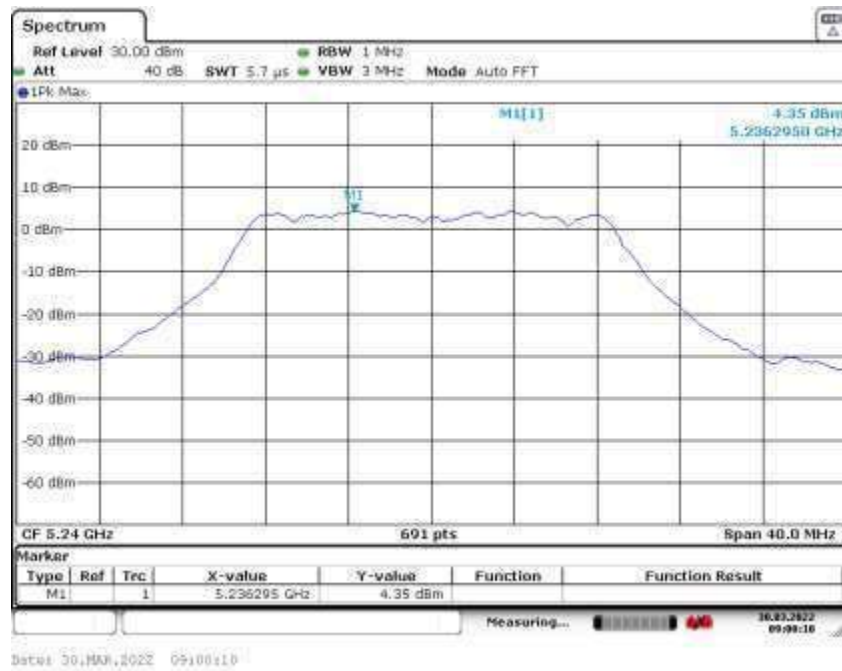


Channel: 44



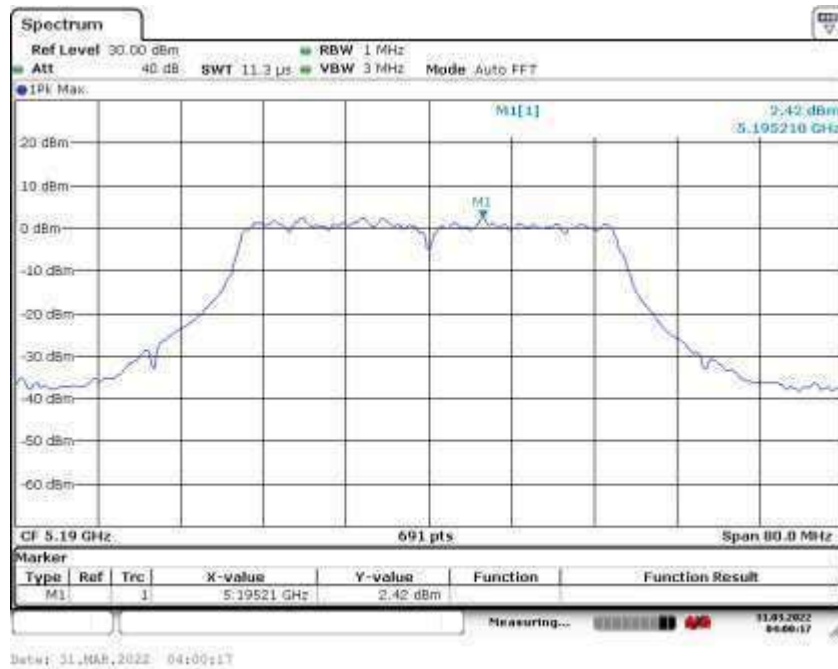
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

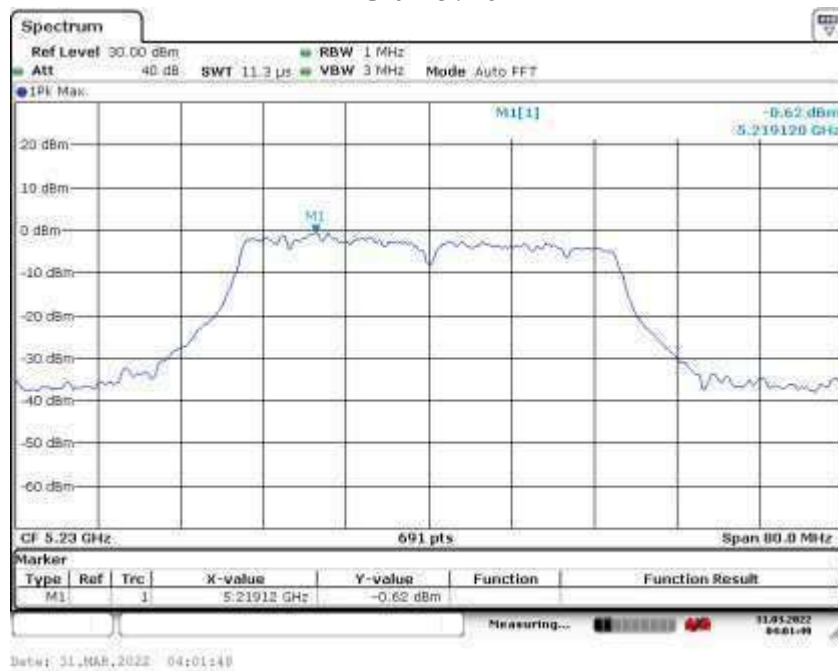


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 38

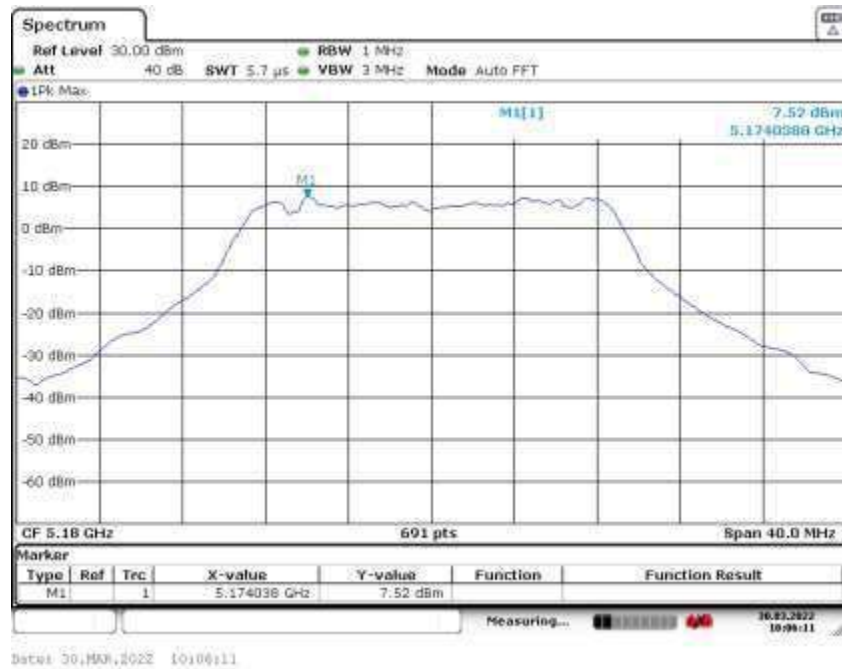


Channel: 46

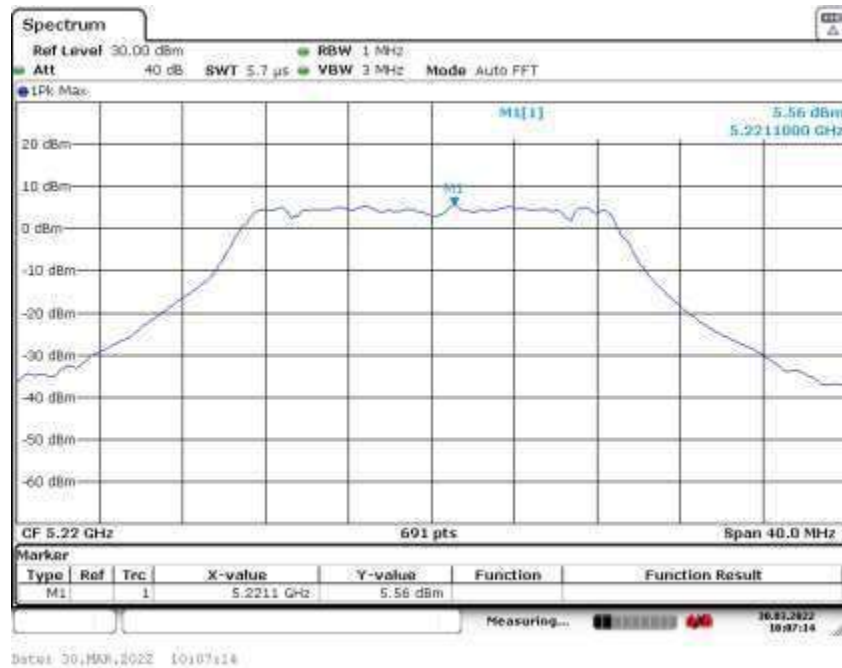


Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 36

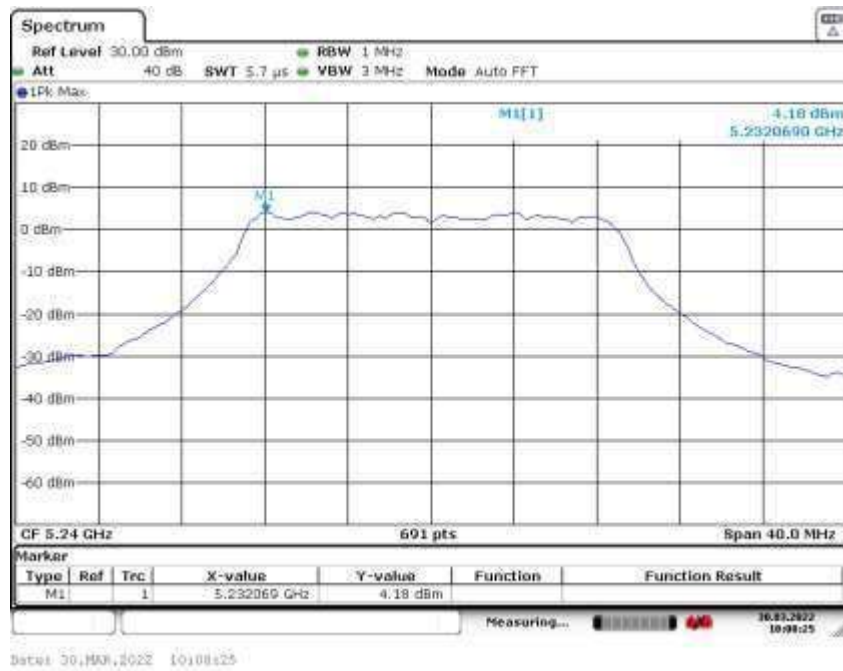


Channel: 44



Report No.: AAEMT/EMC/220321-01-05

Channel: 48



802.11ac40
Channel: 38



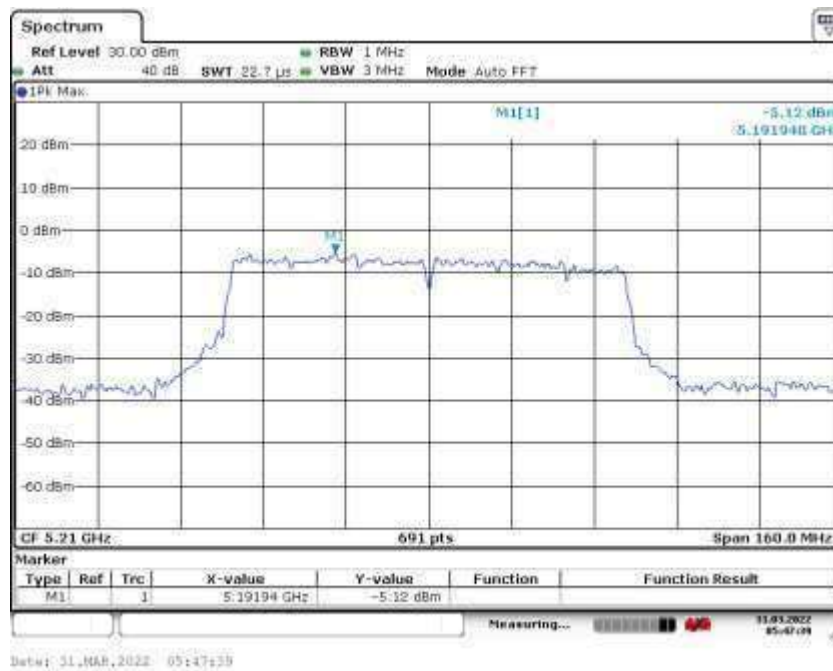
Report No.: AAEMT/EMC/220321-01-05

Channel: 46



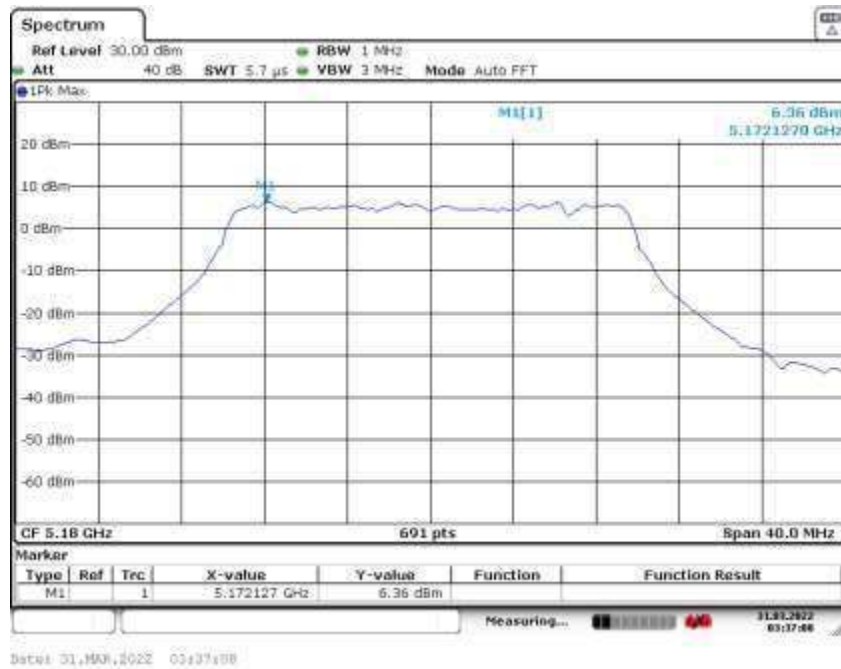
802.11ac80

Channel: 42

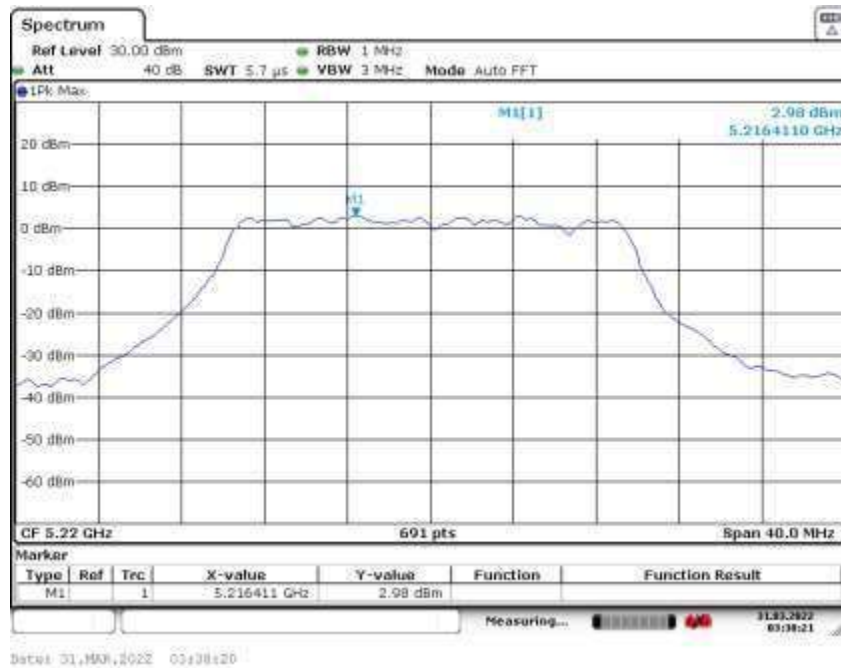


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 36

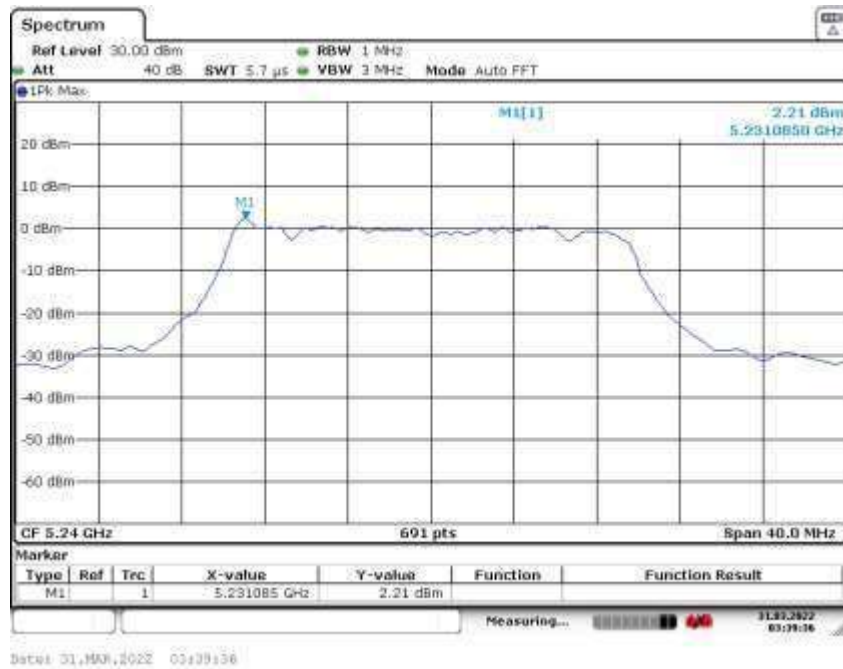


Channel: 44



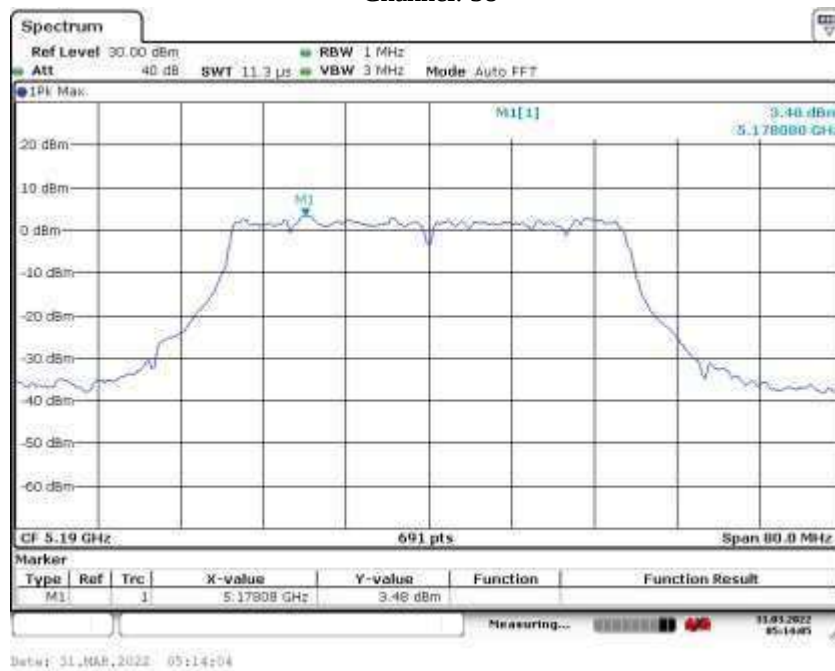
Report No.: AAEMT/EMC/220321-01-05

Channel: 48



802.11ax40

Channel: 38



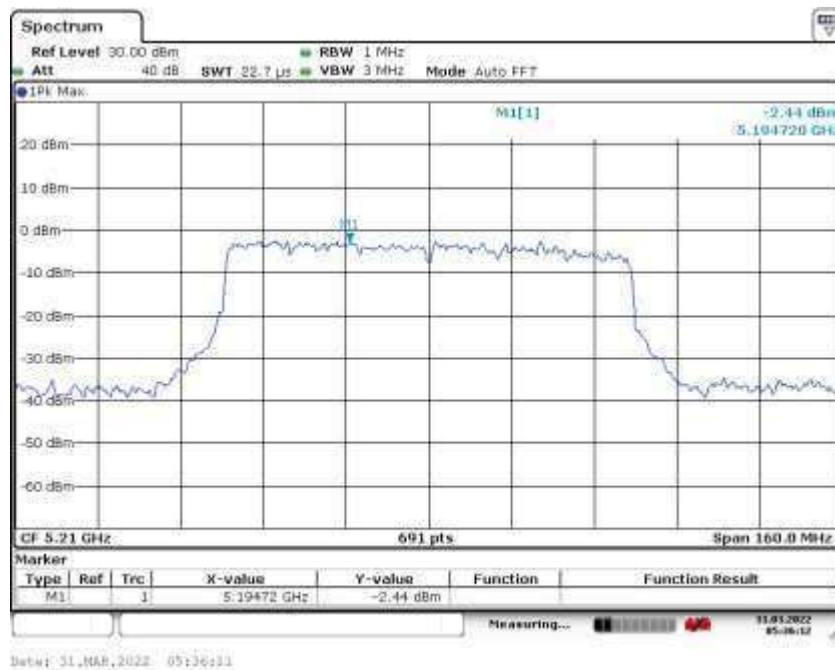
Report No.: AAEMT/EMC/220321-01-05

Channel: 46



802.11ax80

Channel: 42



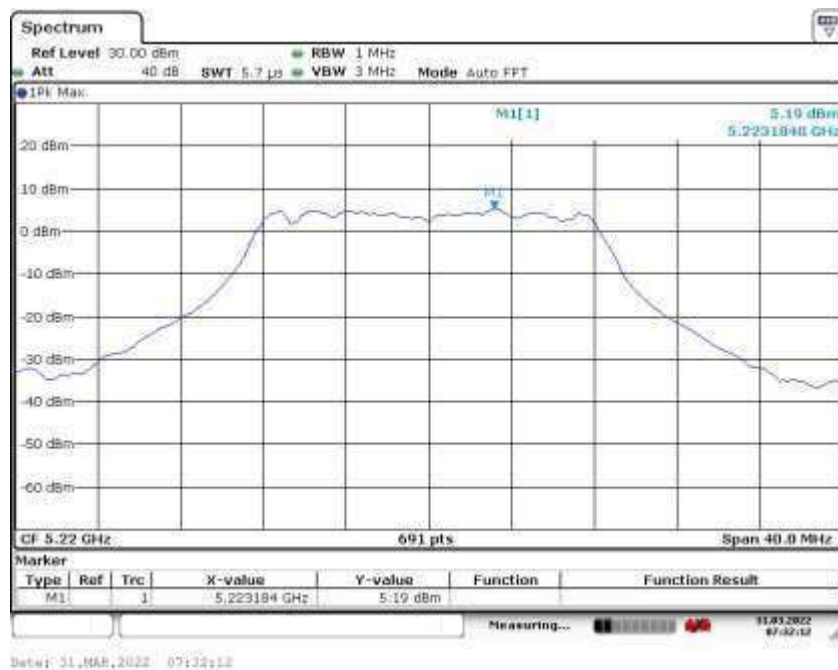
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GS_3

802.11a
Channel: 36

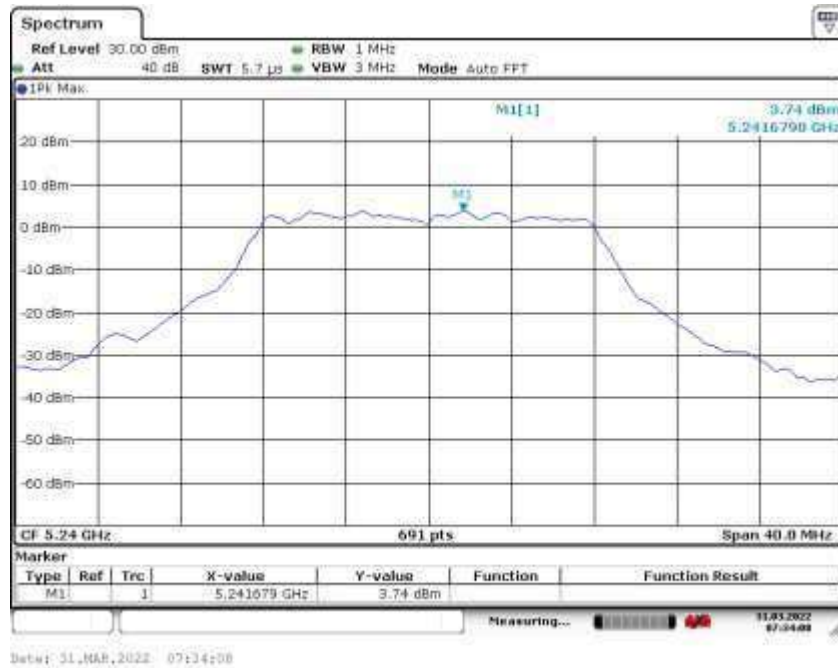


Channel: 44



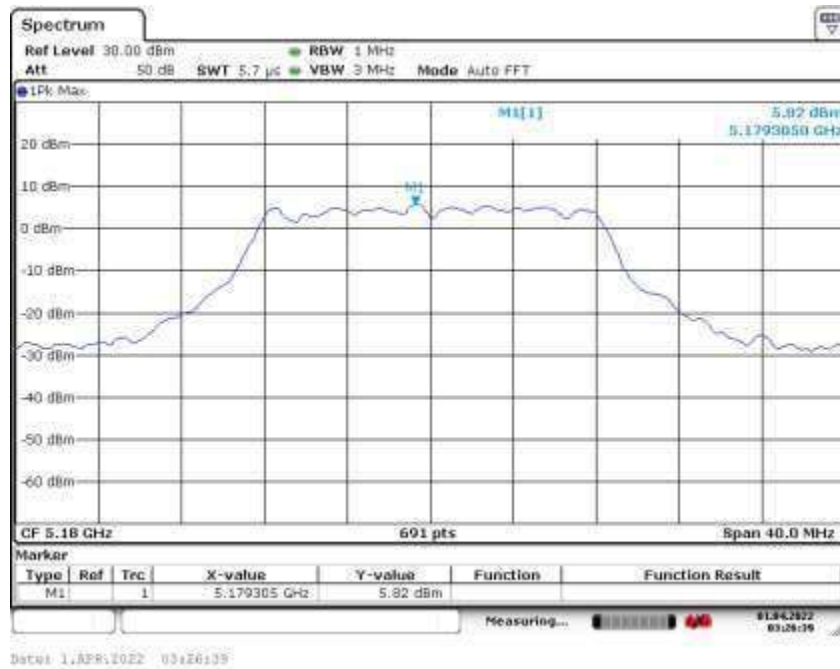
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

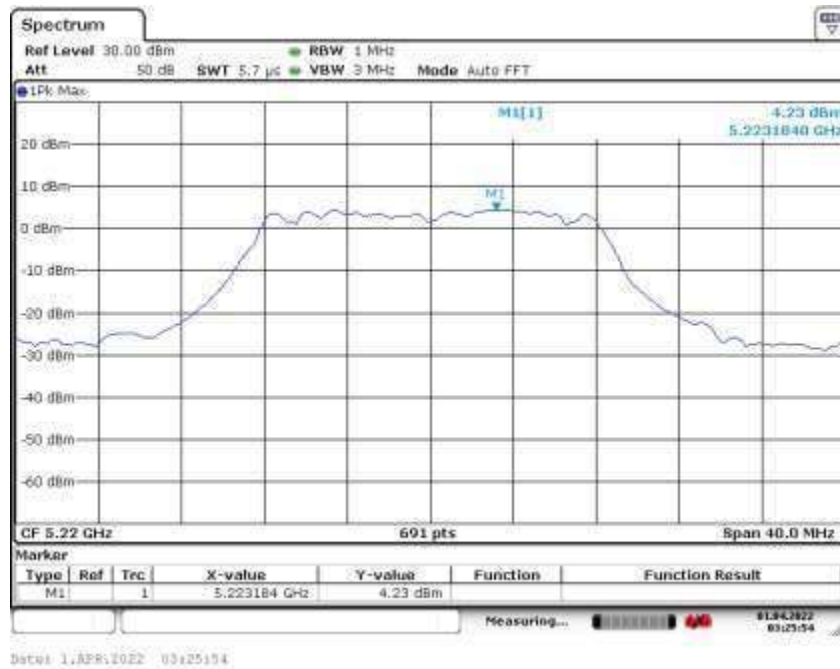


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 36

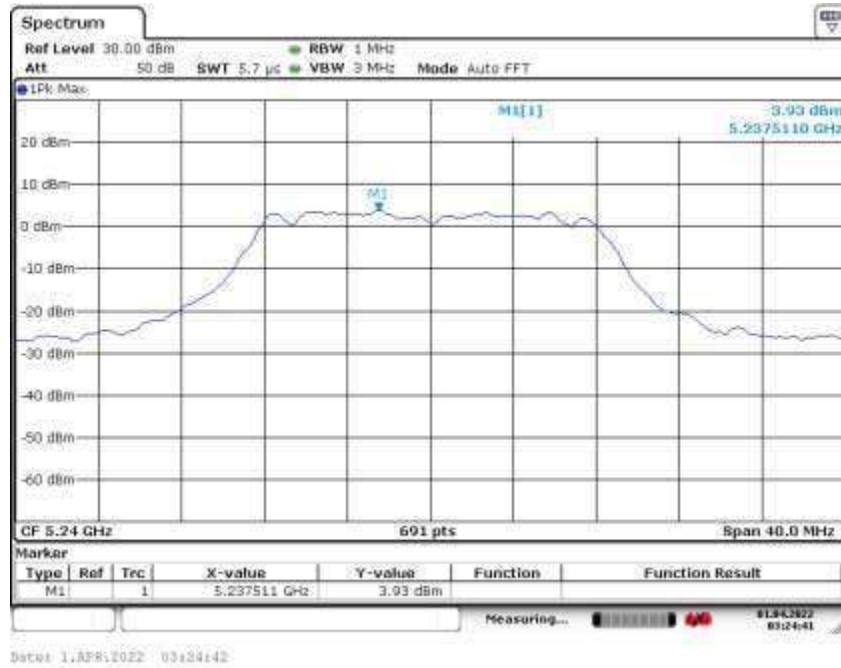


Channel: 44



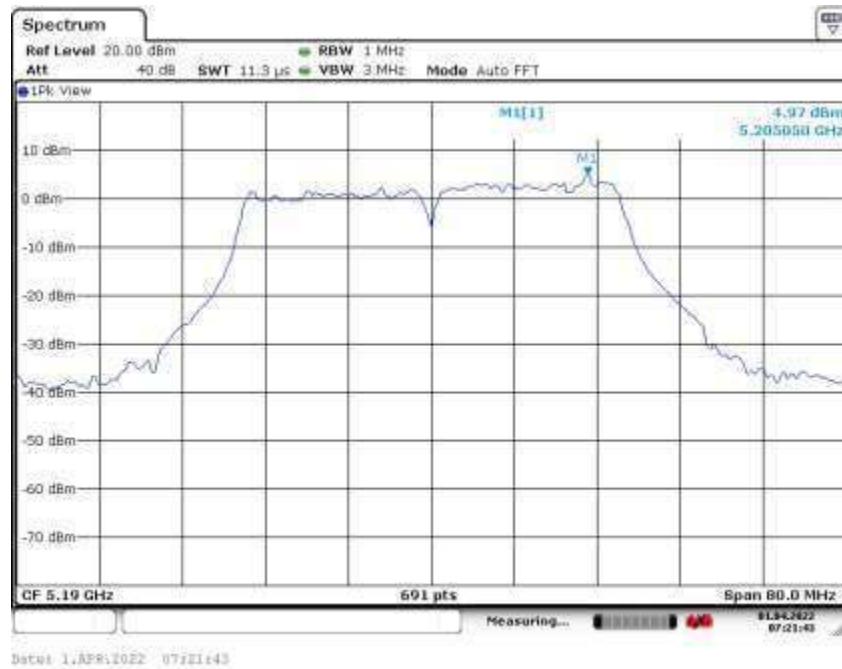
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

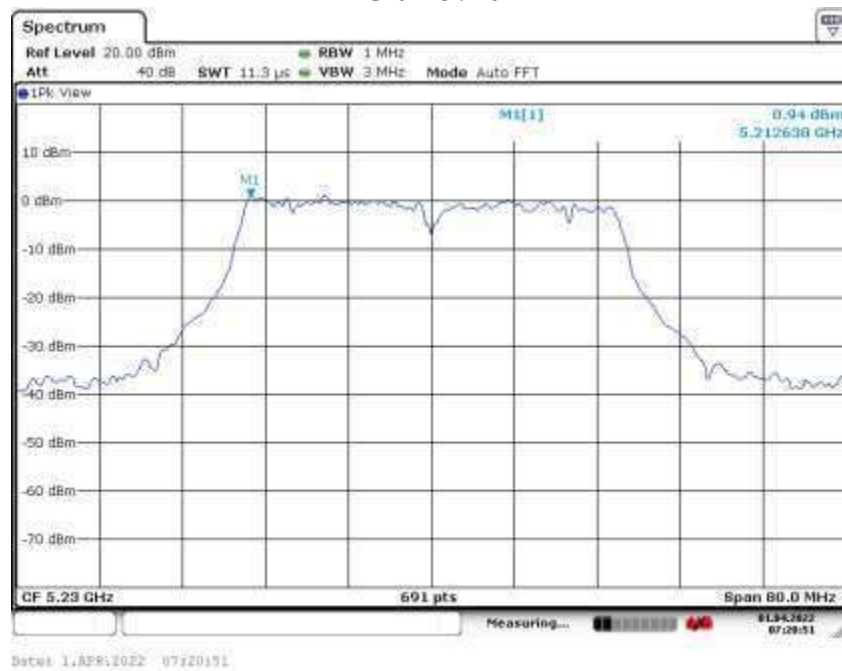


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 38

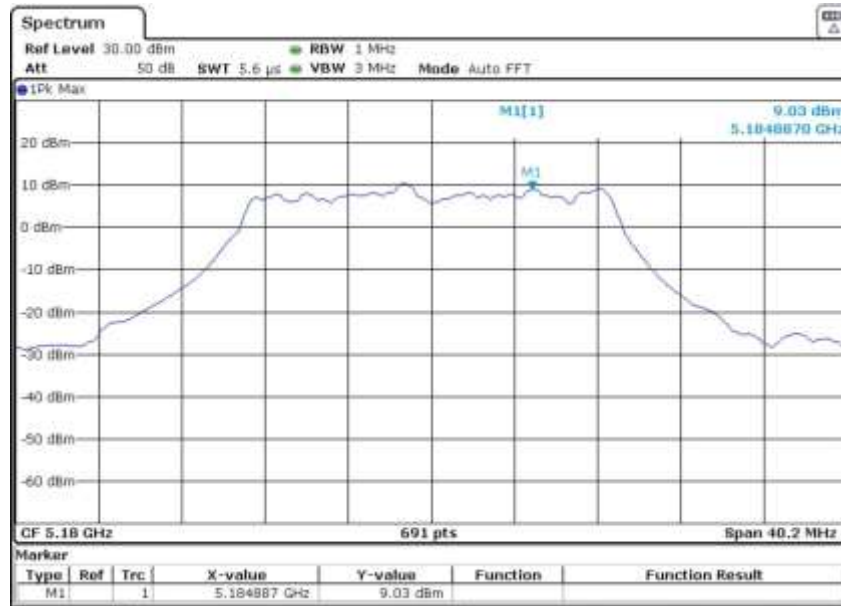


Channel: 46

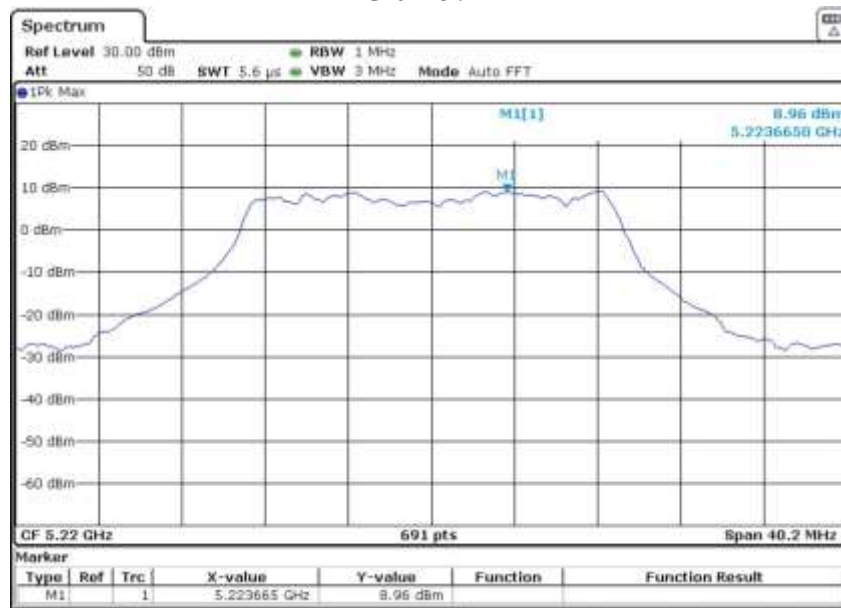


Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 36

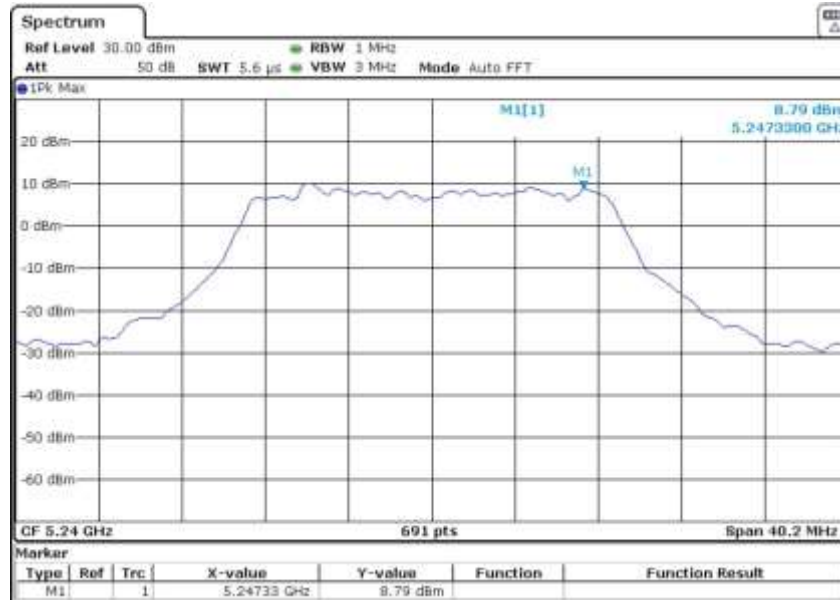


Channel: 44

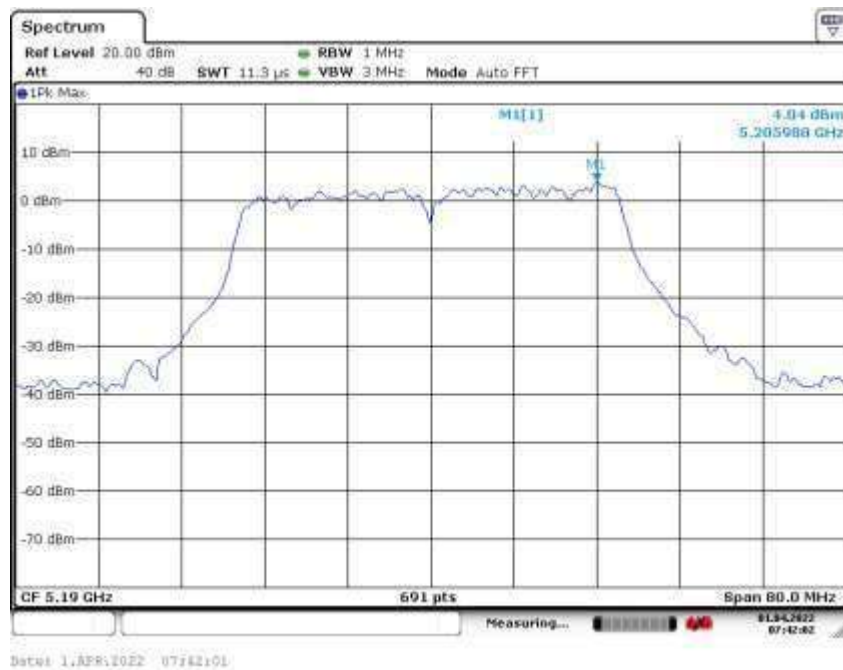


Report No.: AAEMT/EMC/220321-01-05

Channel: 48

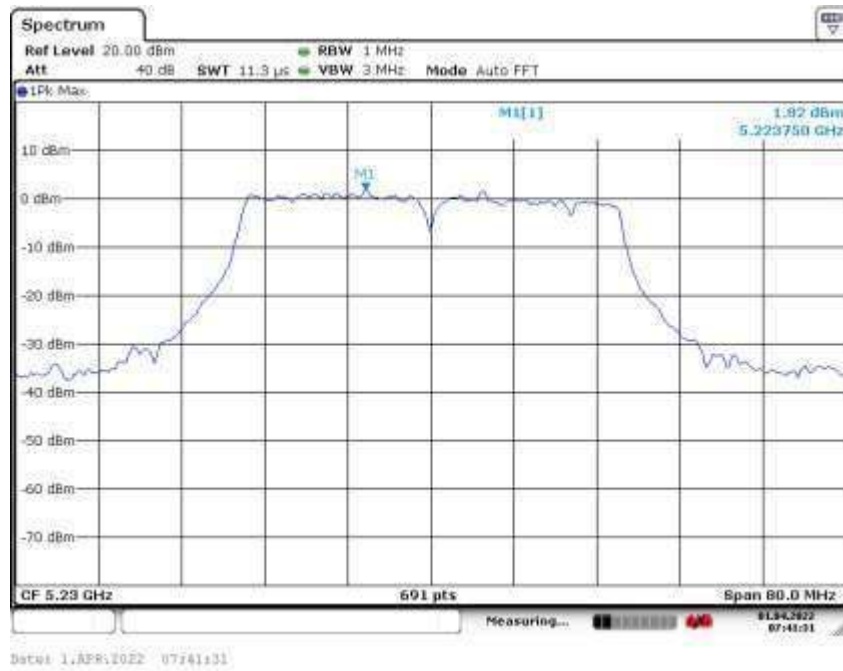


802.11ac40
Channel: 38



Report No.: AAEMT/EMC/220321-01-05

Channel: 46

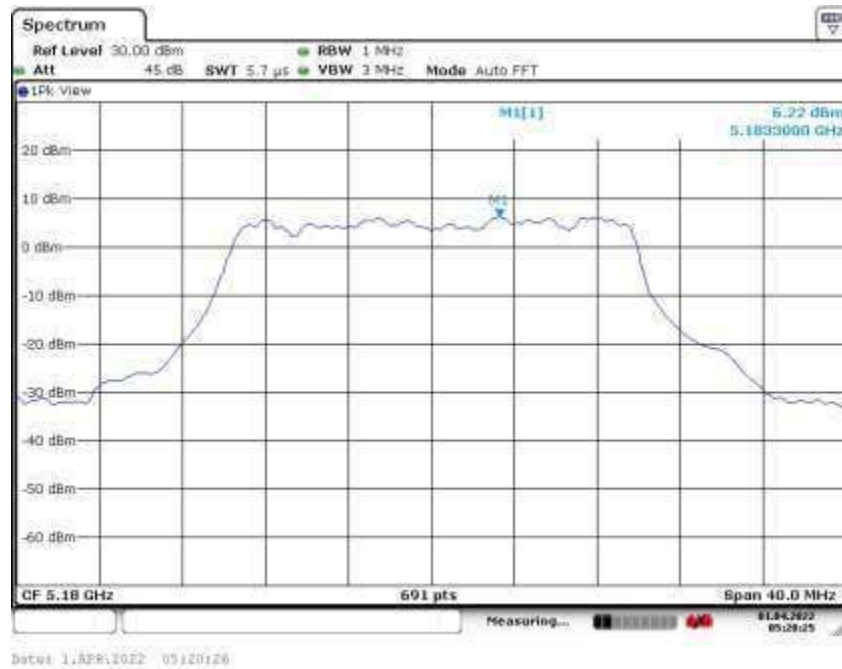


802.11ac80
Channel: 42

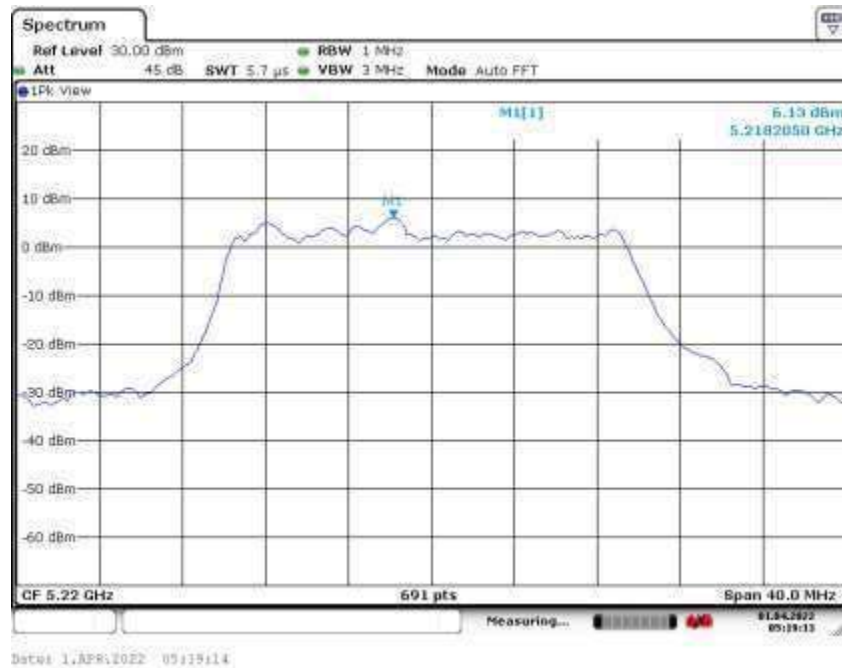


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 36

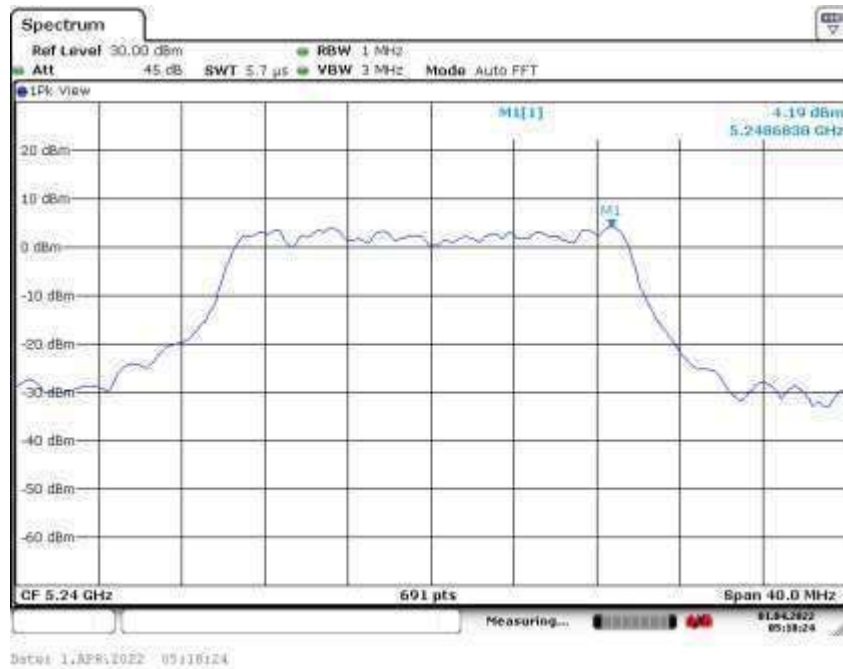


Channel: 44



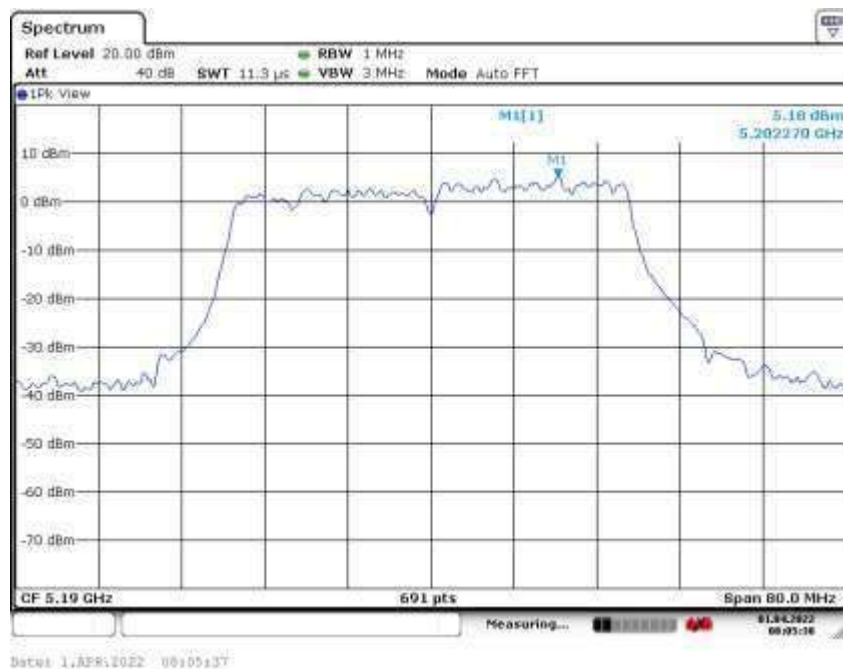
Report No.: AAEMT/EMC/220321-01-05

Channel: 48



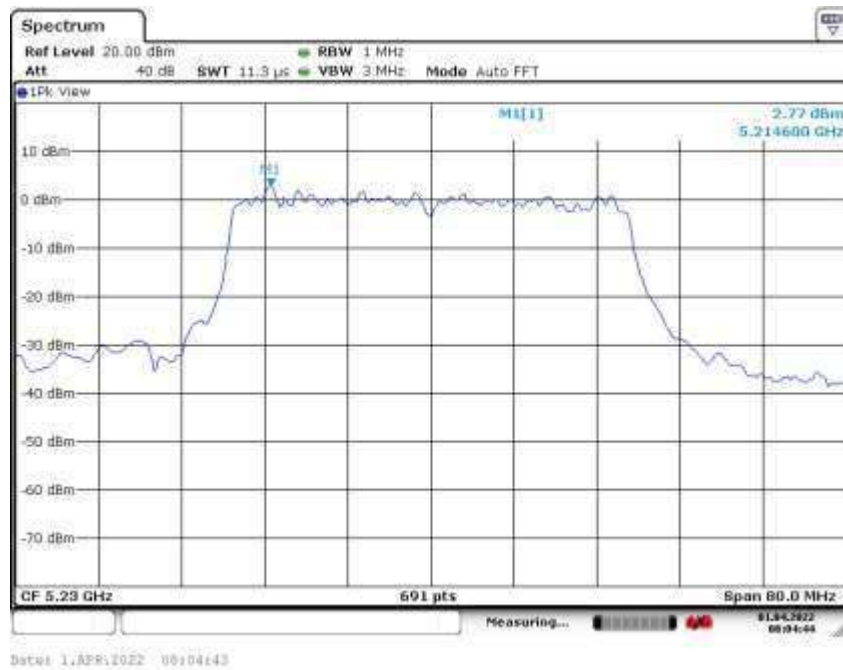
802.11ax40

Channel: 38

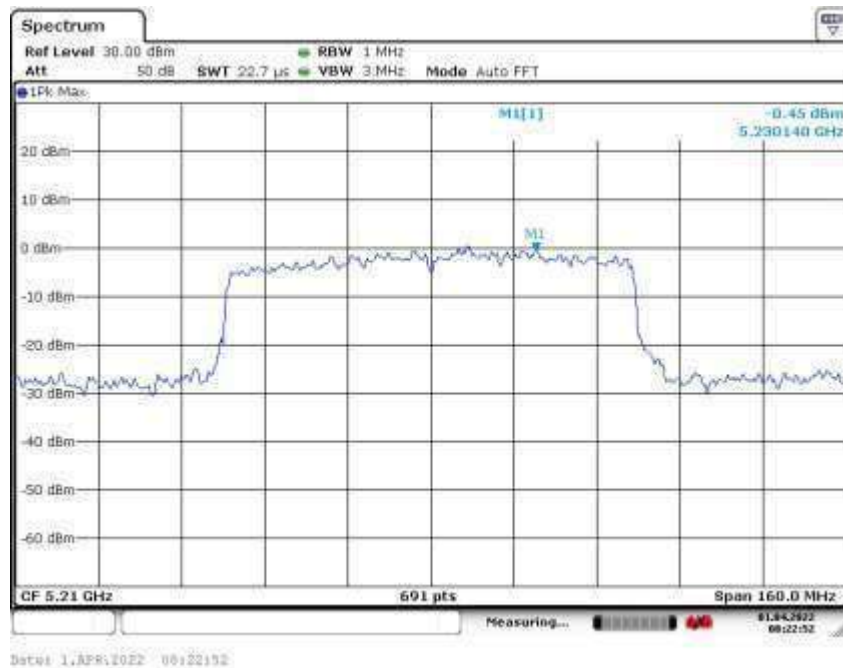


Report No.: AAEMT/EMC/220321-01-05

Channel: 46



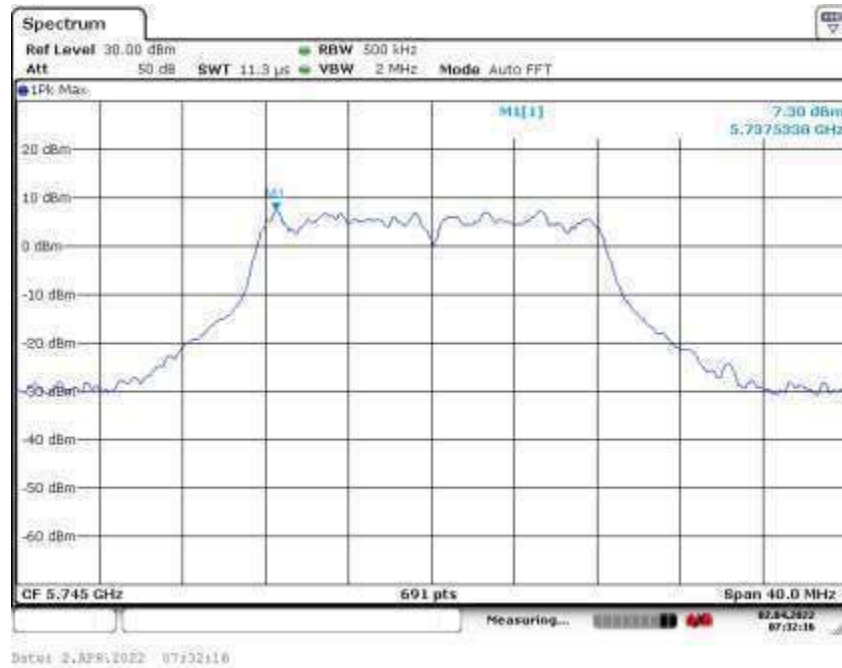
802.11ax80
 Channel: 42



Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GM_0

802.11a
Channel: 149

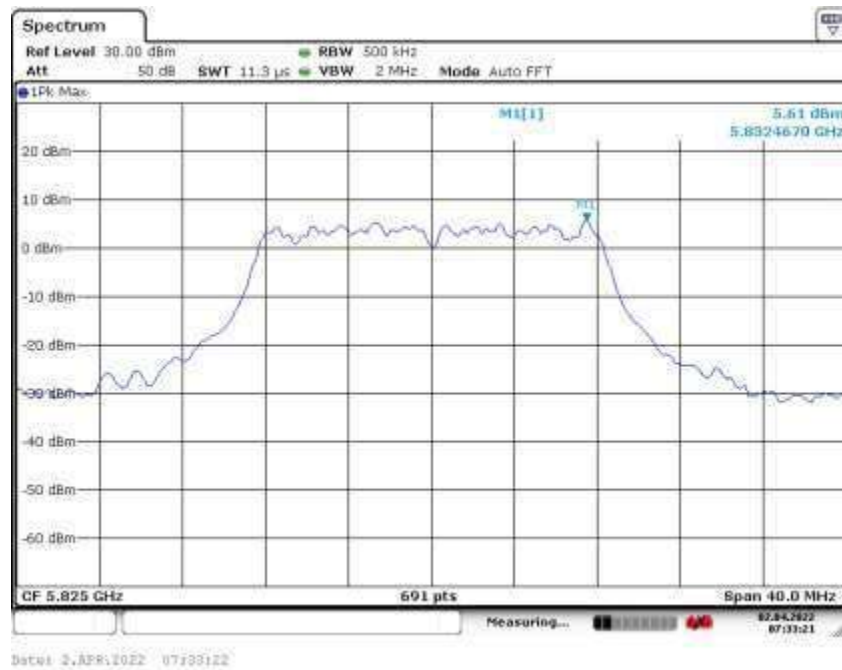


Channel: 157



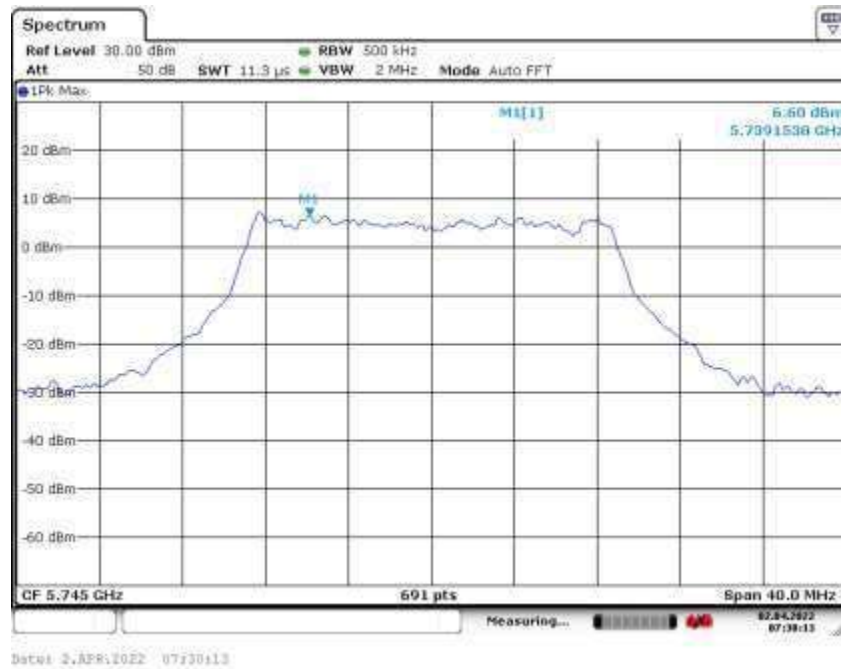
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

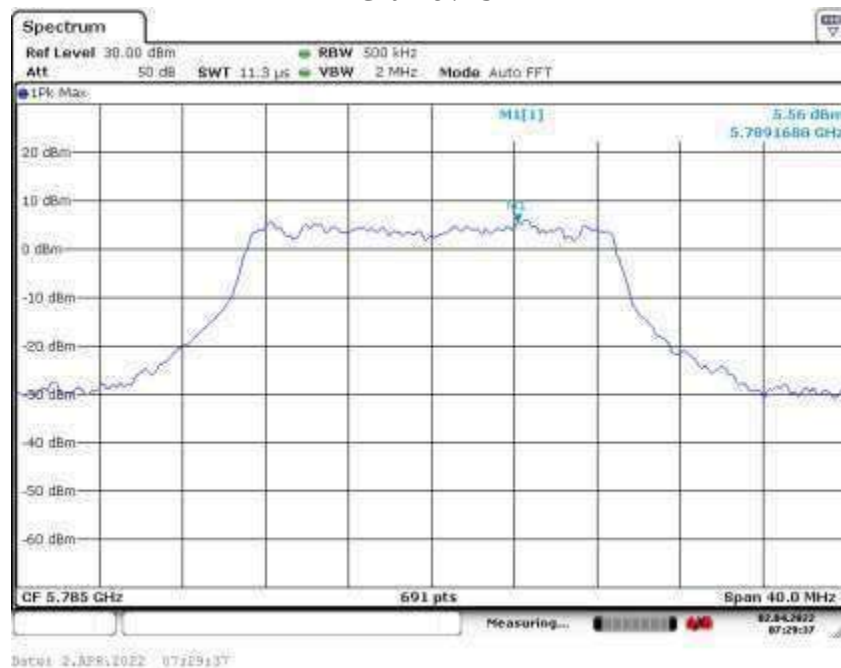


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 149

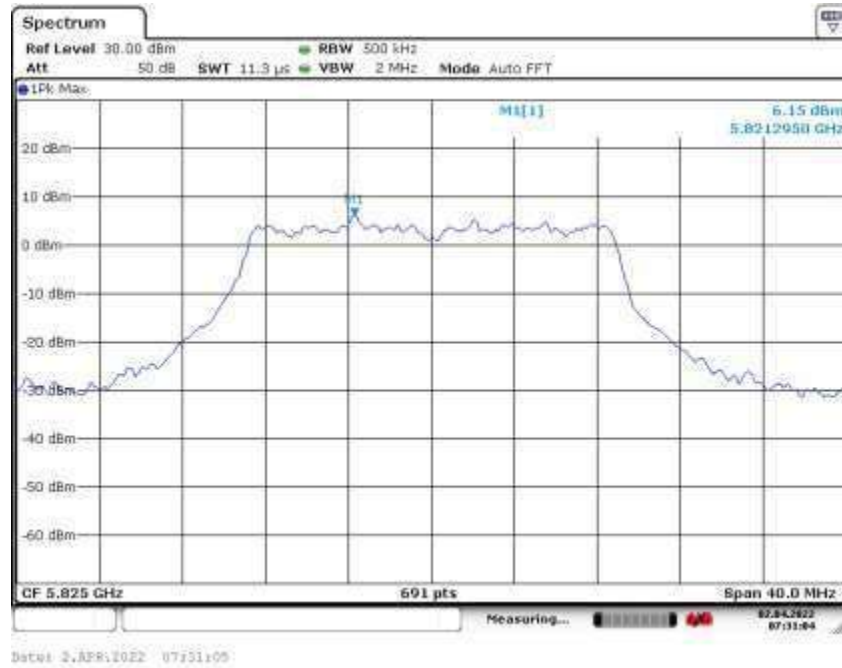


Channel: 157



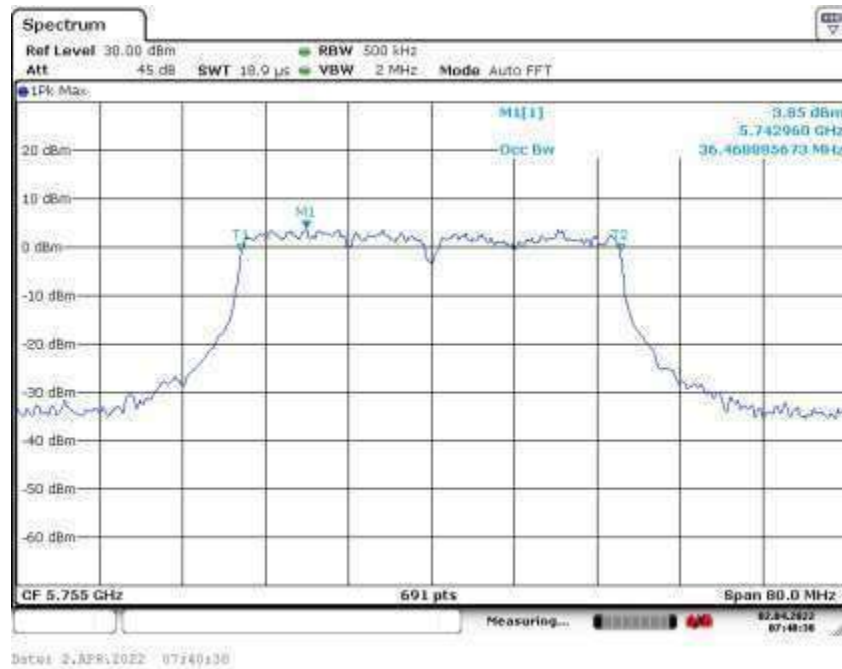
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

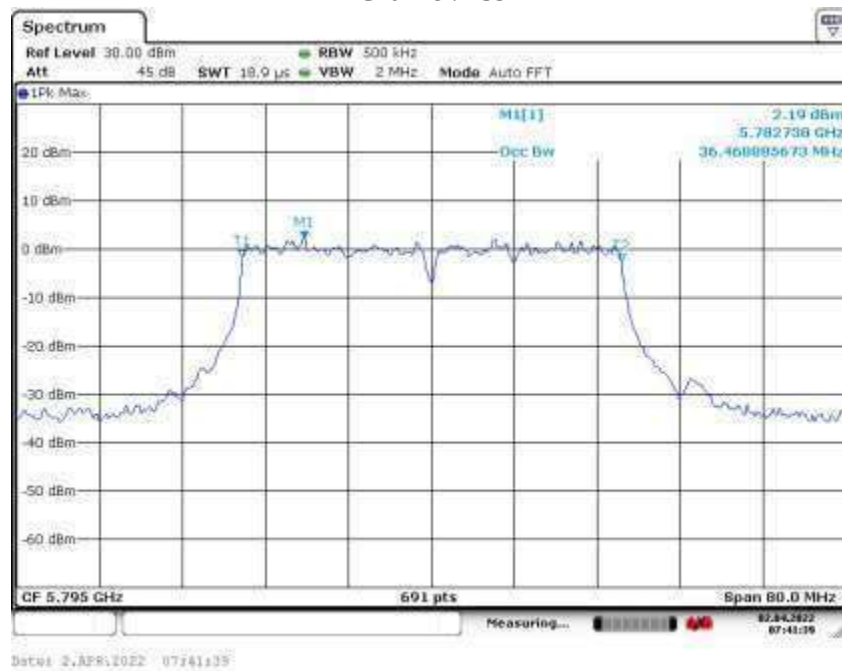


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 151

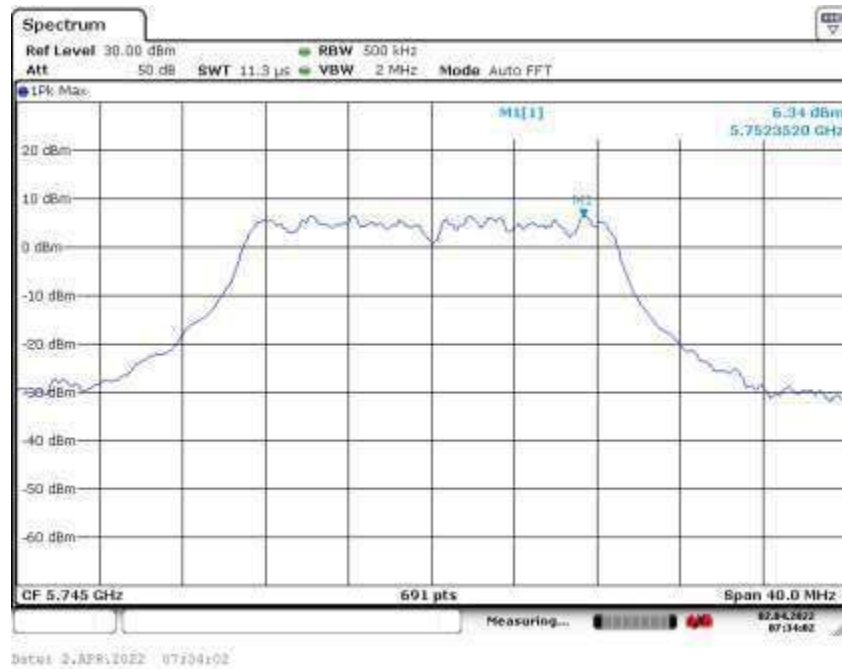


Channel: 159

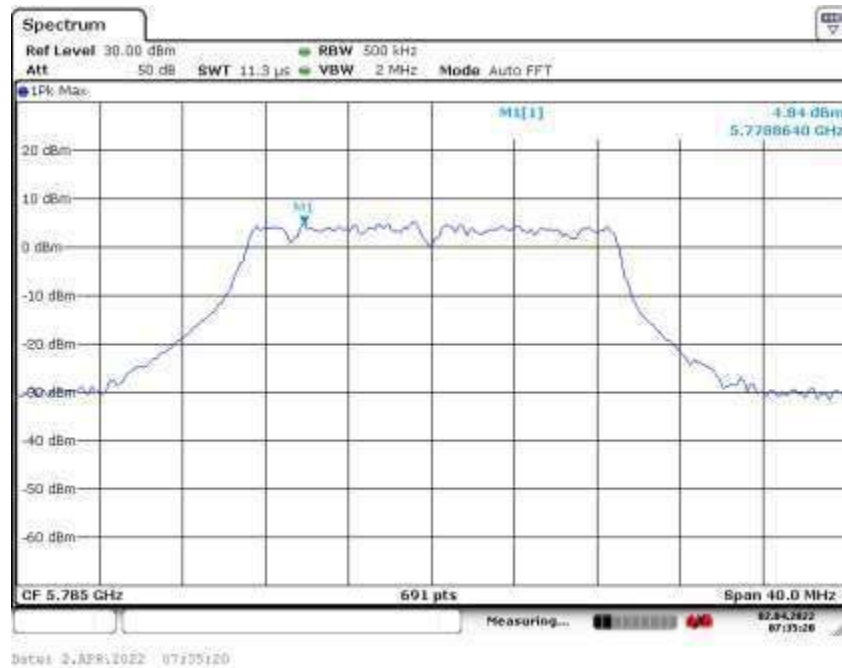


Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 149

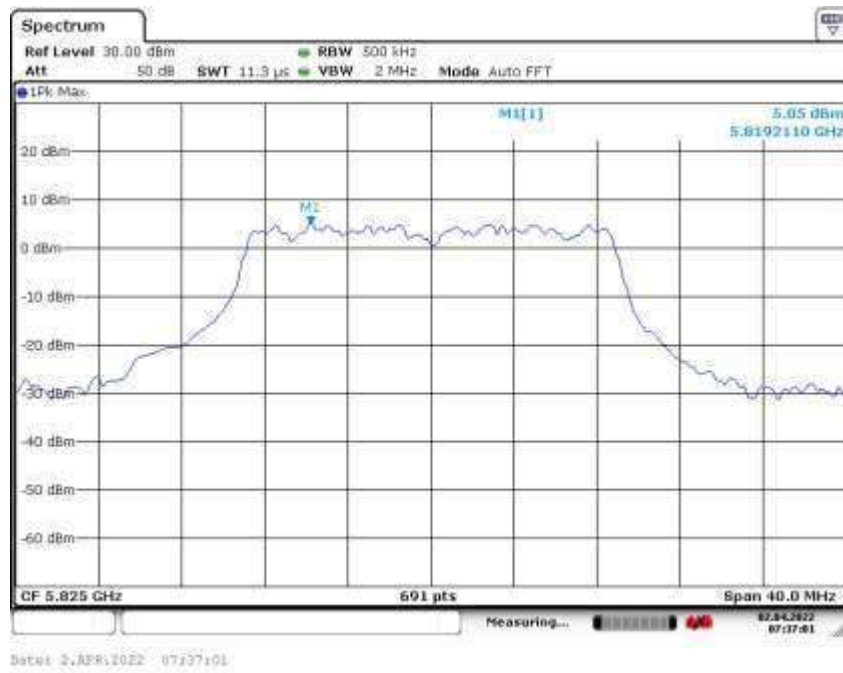


Channel: 157

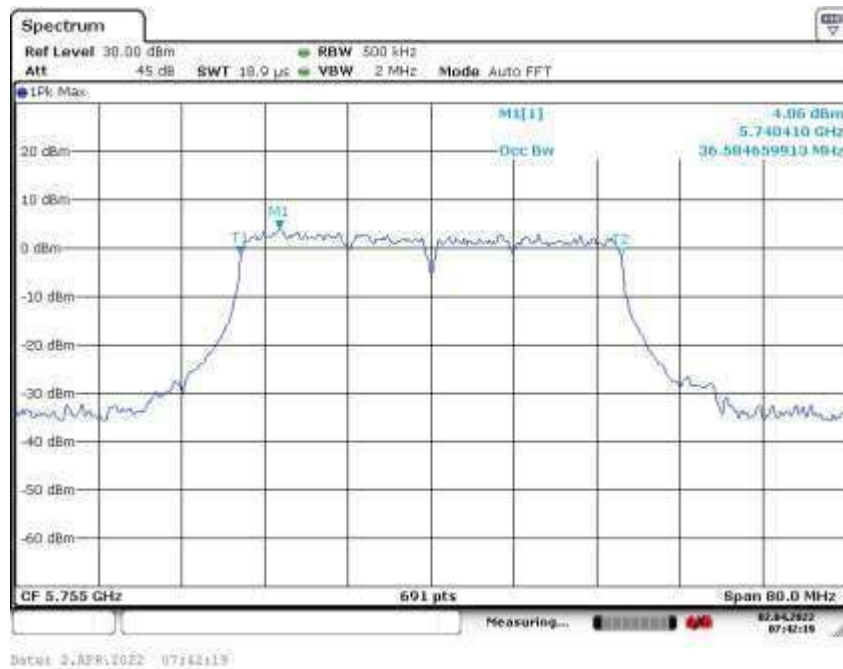


Report No.: AAEMT/EMC/220321-01-05

Channel: 165

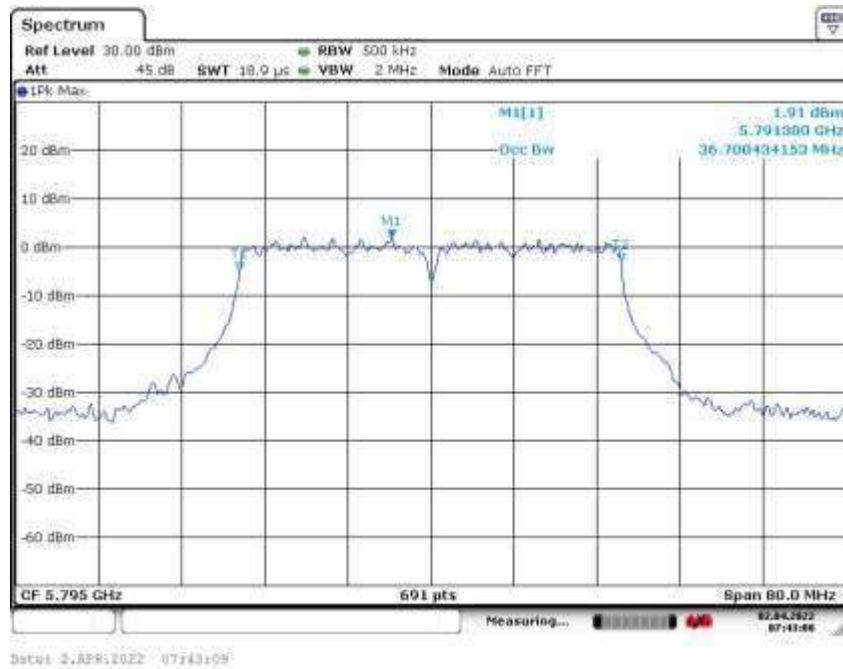


802.11ac40
 Channel: 151



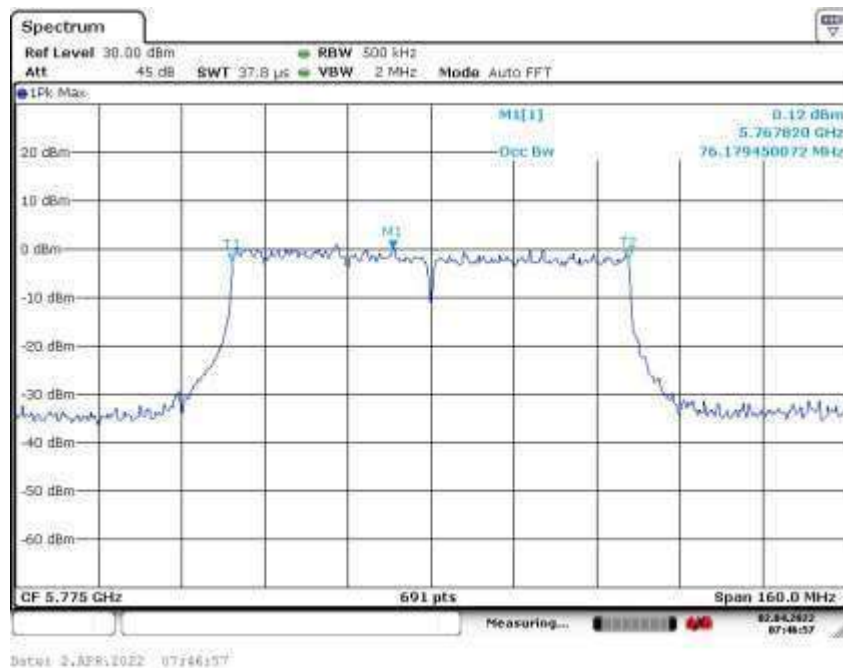
Report No.: AAEMT/EMC/220321-01-05

Channel: 159



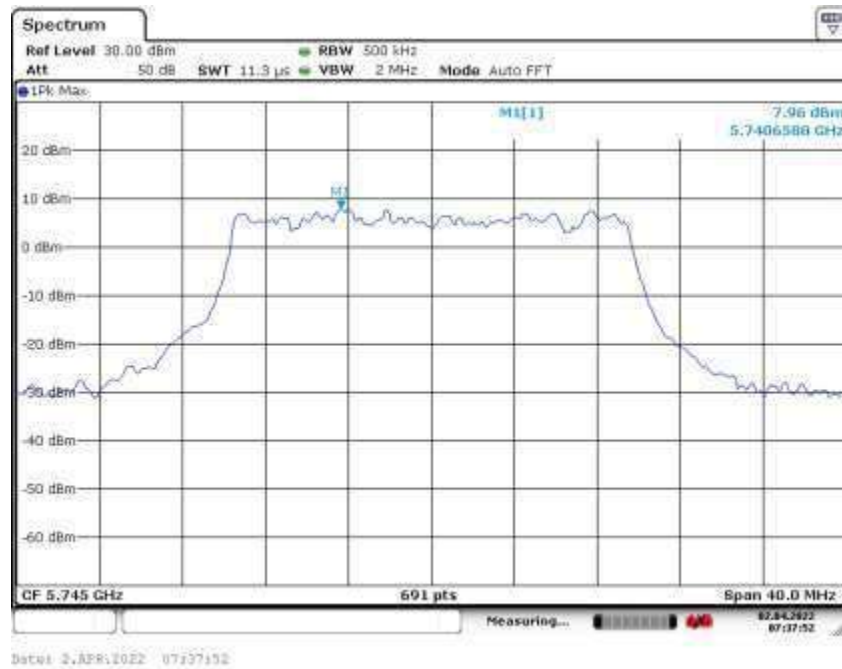
802.11ac80

Channel: 155

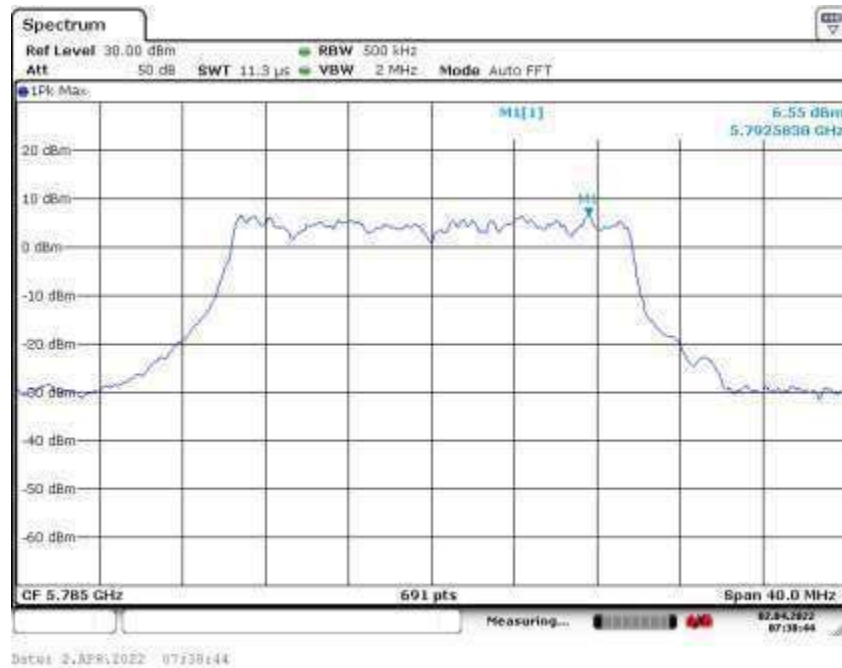


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 149

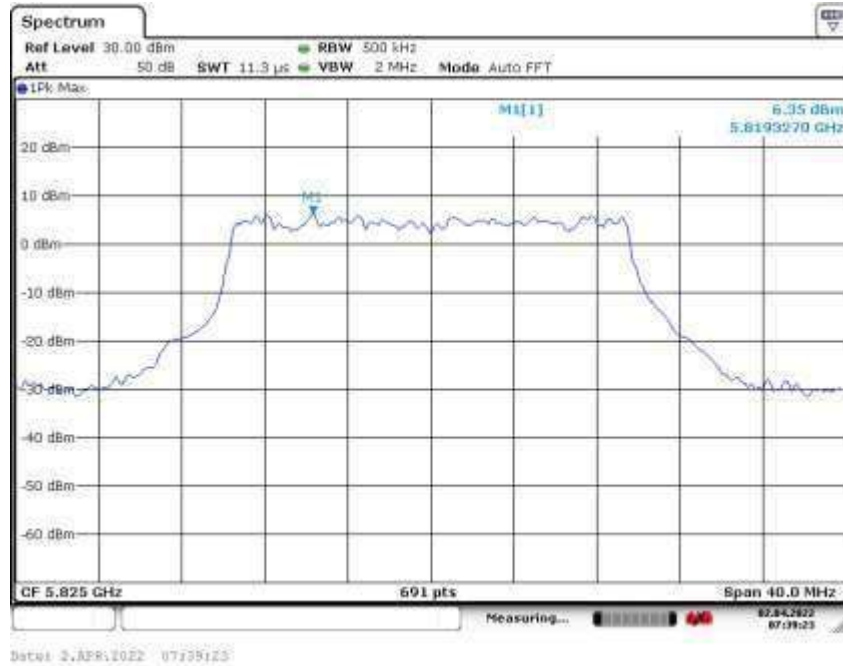


Channel: 157



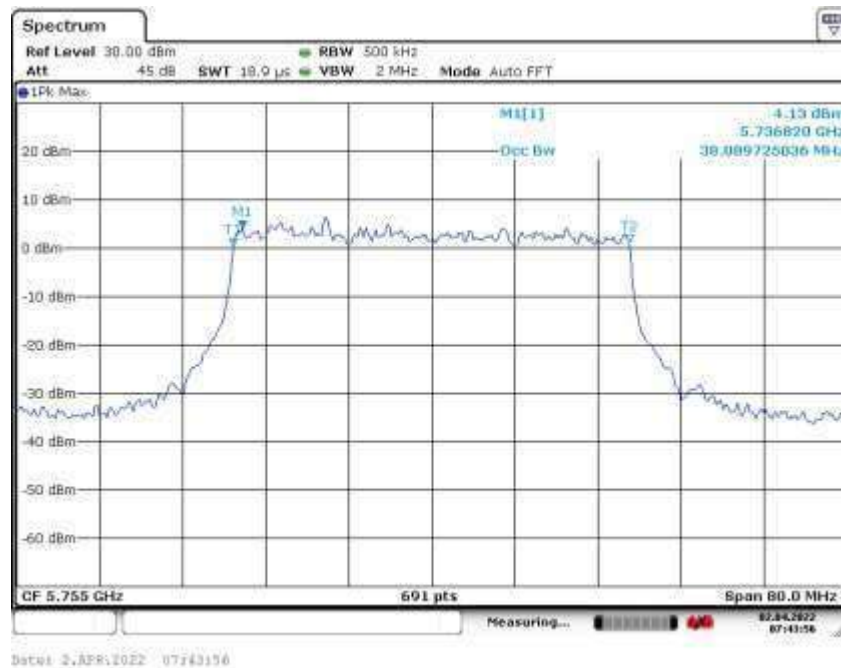
Report No.: AAEMT/EMC/220321-01-05

Channel: 165



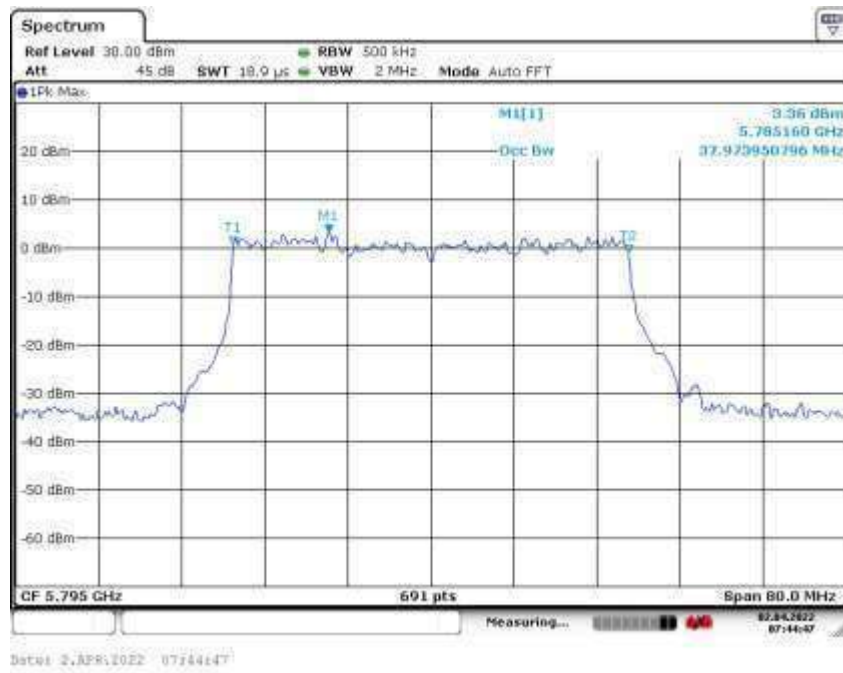
802.11ax40

Channel: 151

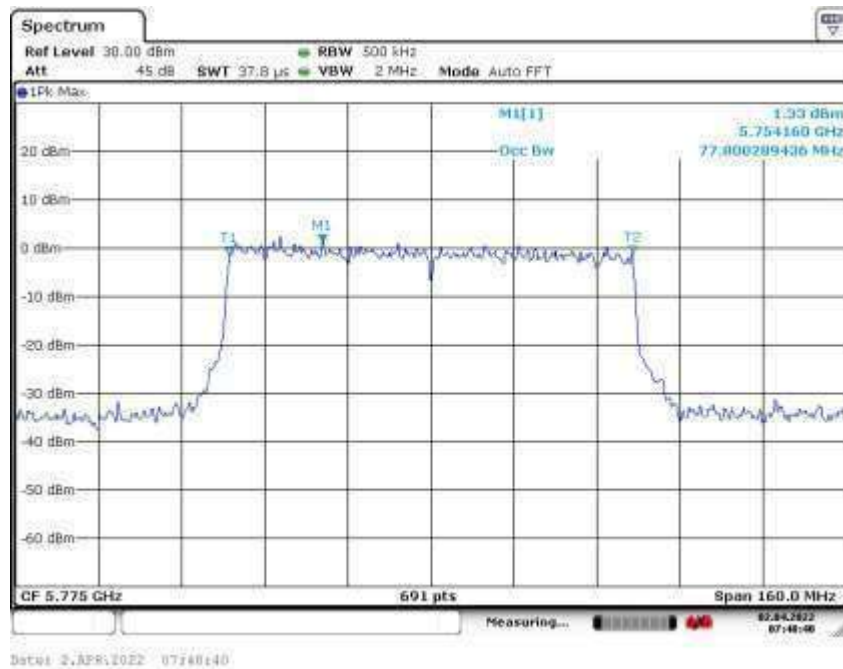


Report No.: AAEMT/EMC/220321-01-05

Channel: 159



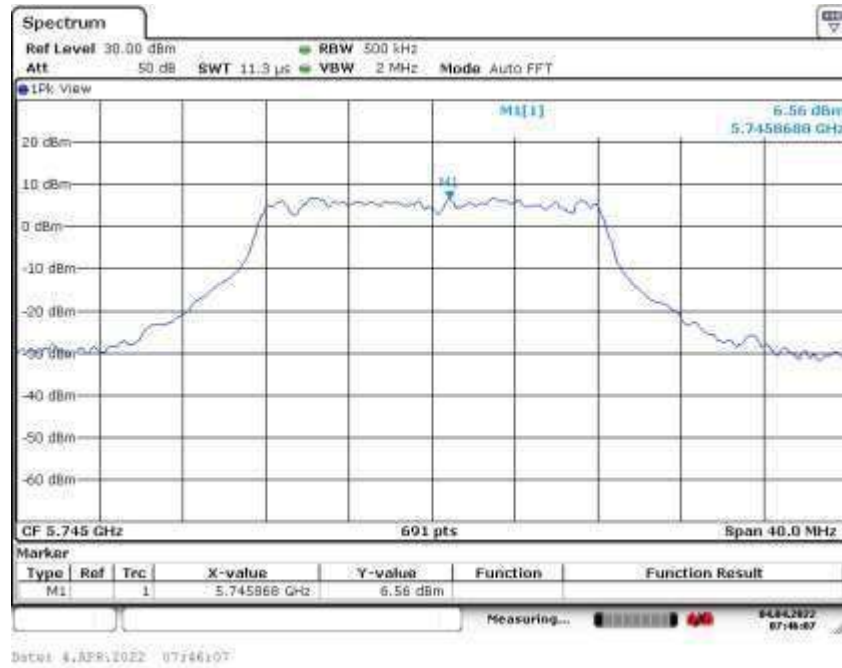
802.11ax80
Channel: 155



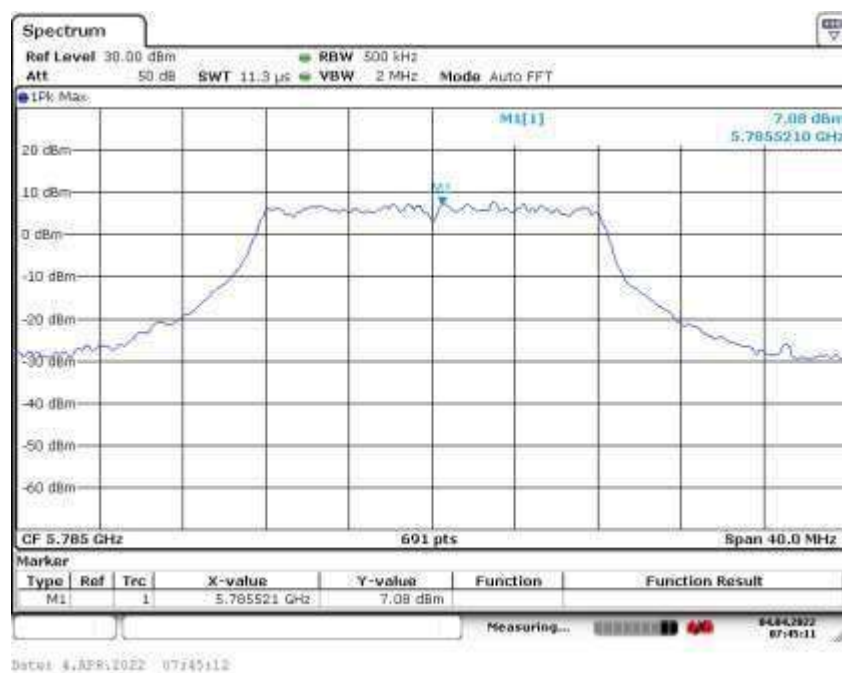
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GM_1

802.11a
Channel: 149

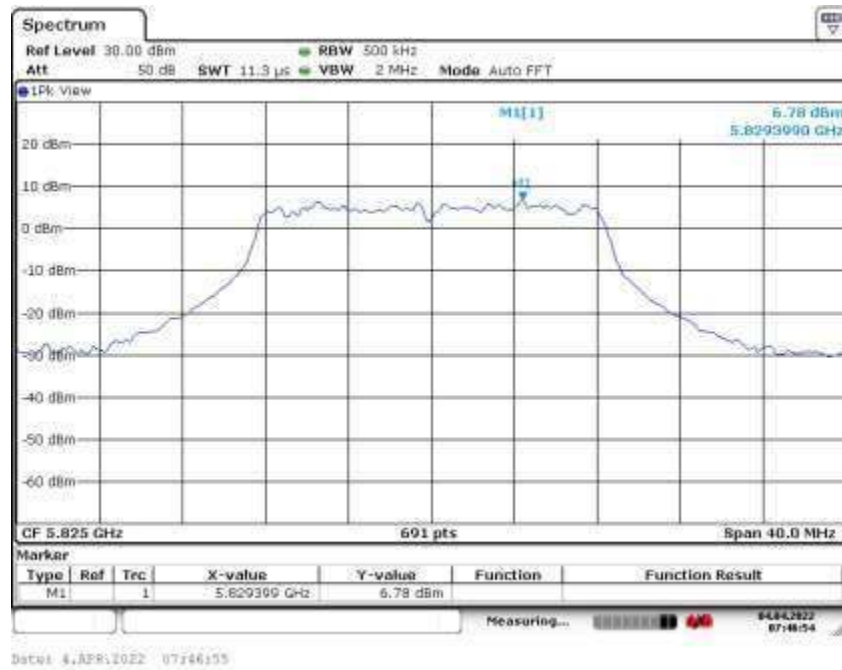


Channel: 157



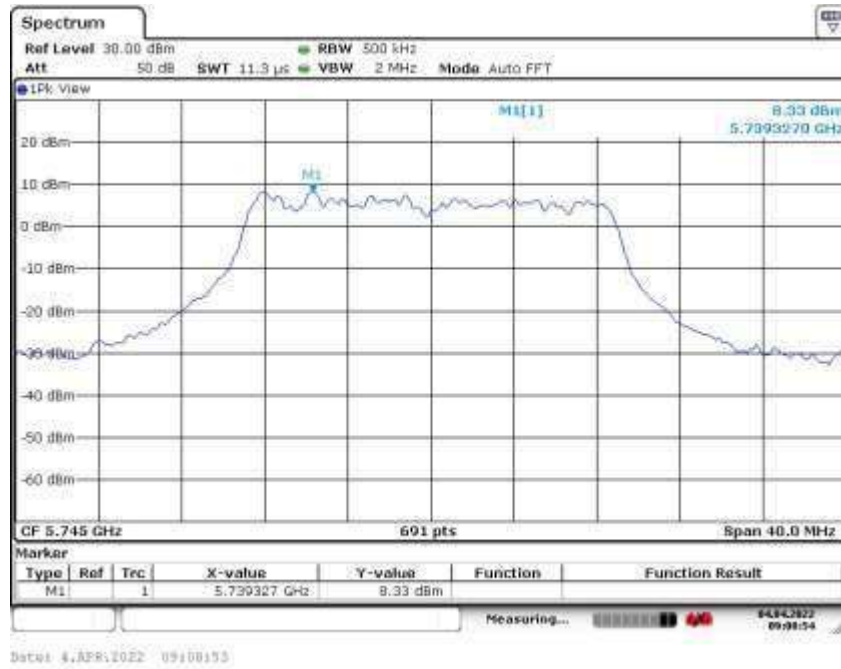
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

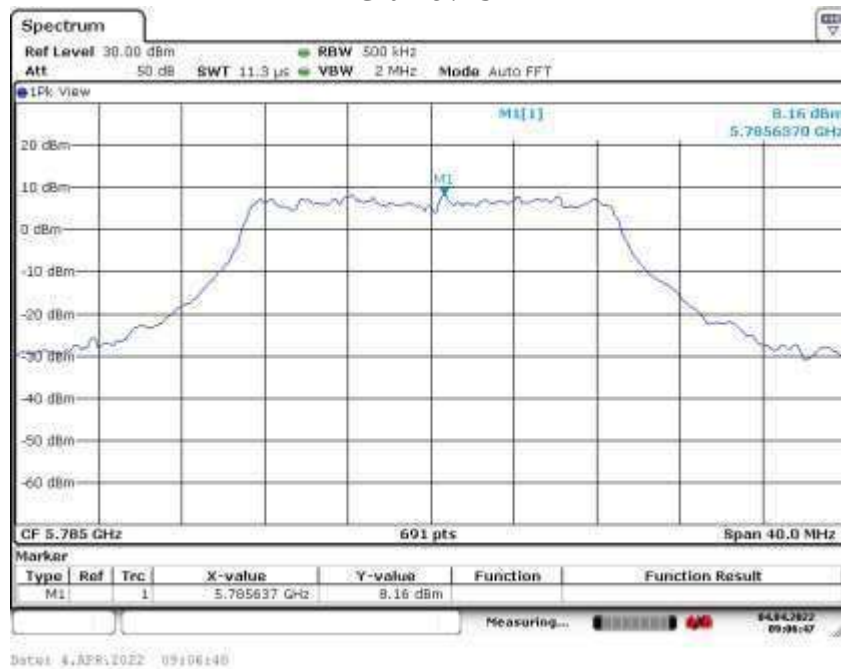


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 149

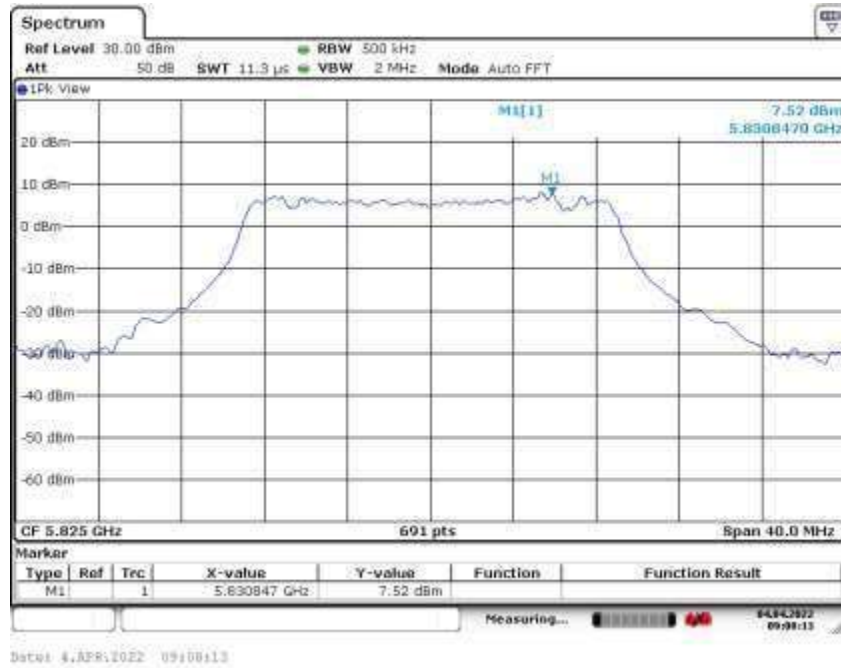


Channel: 157



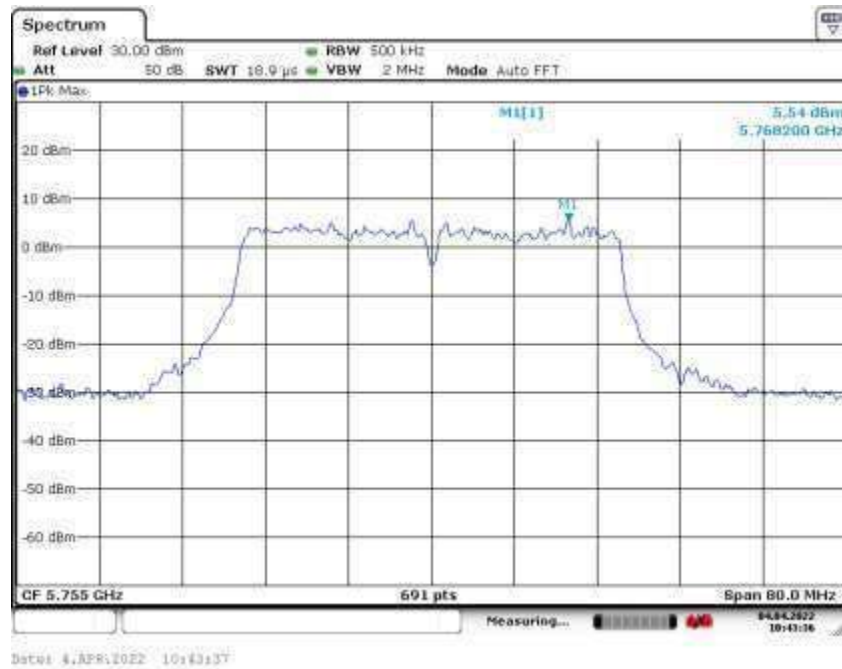
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

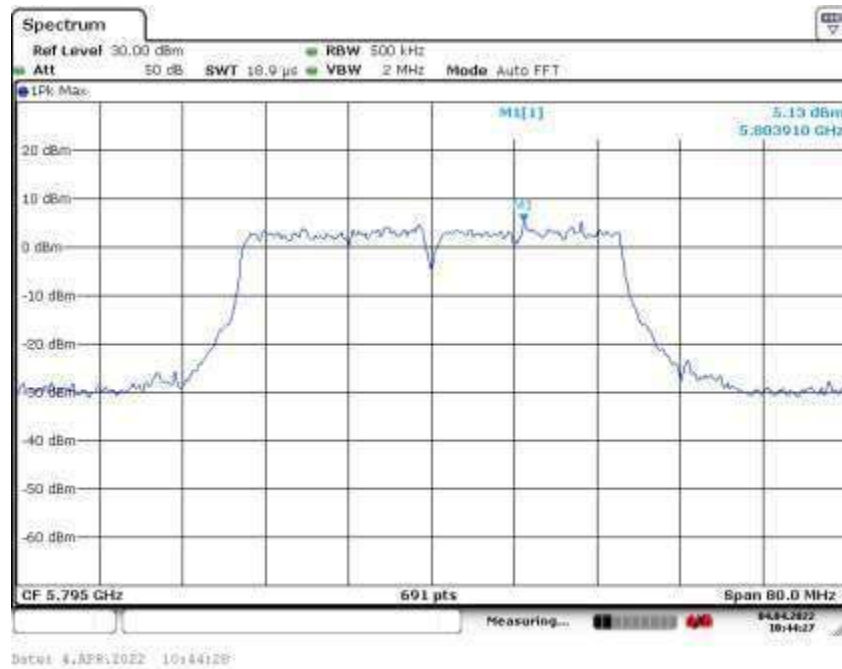


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 151

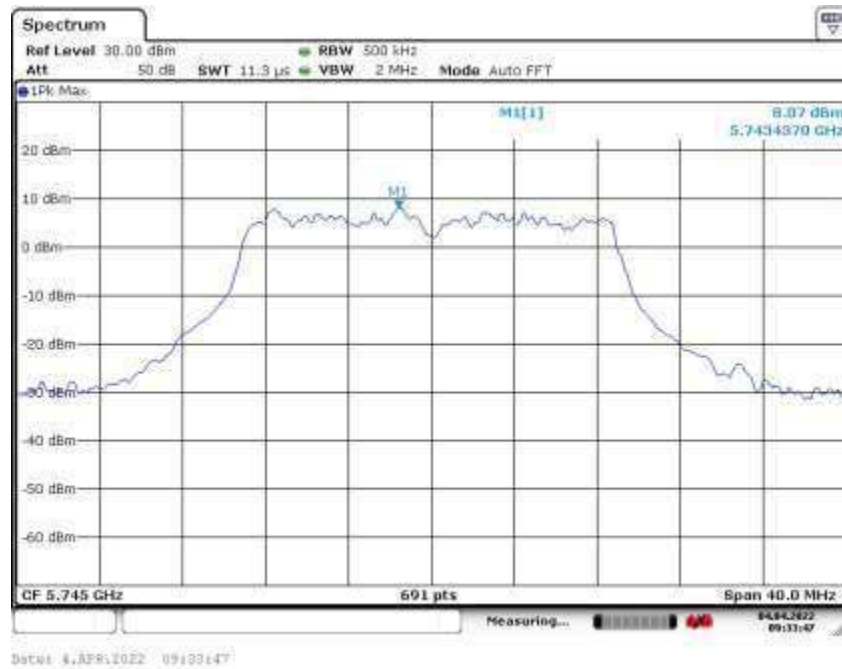


Channel: 159

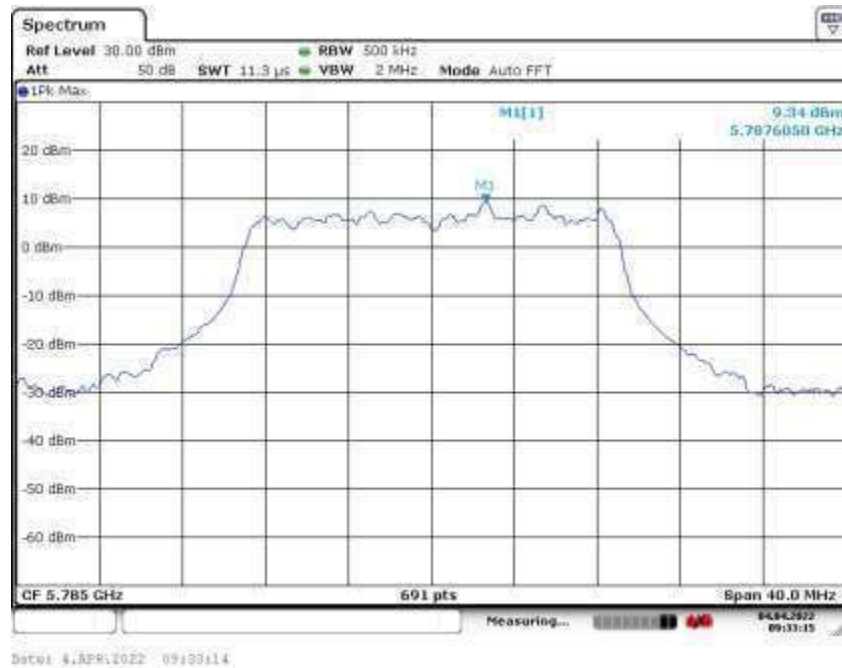


Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 149

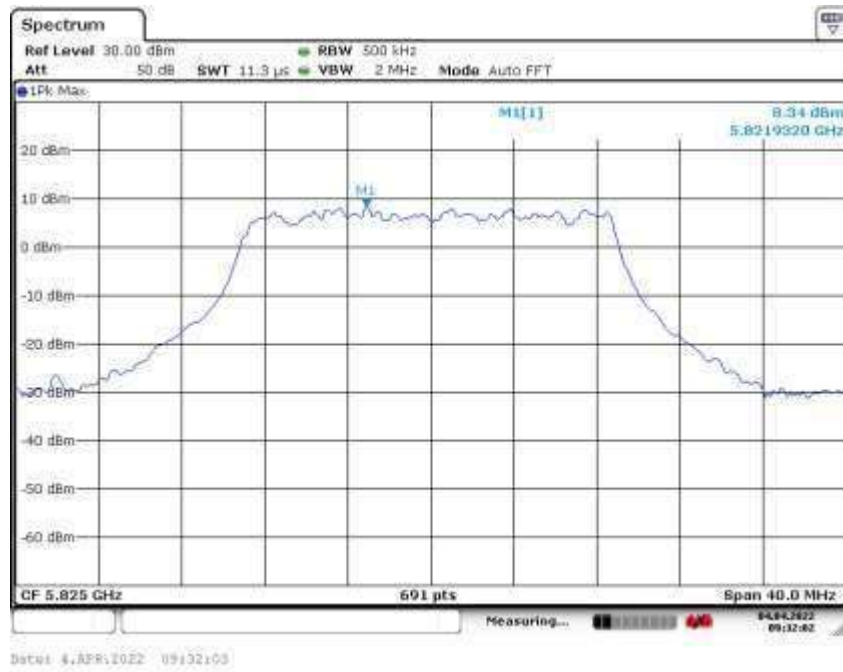


Channel: 157

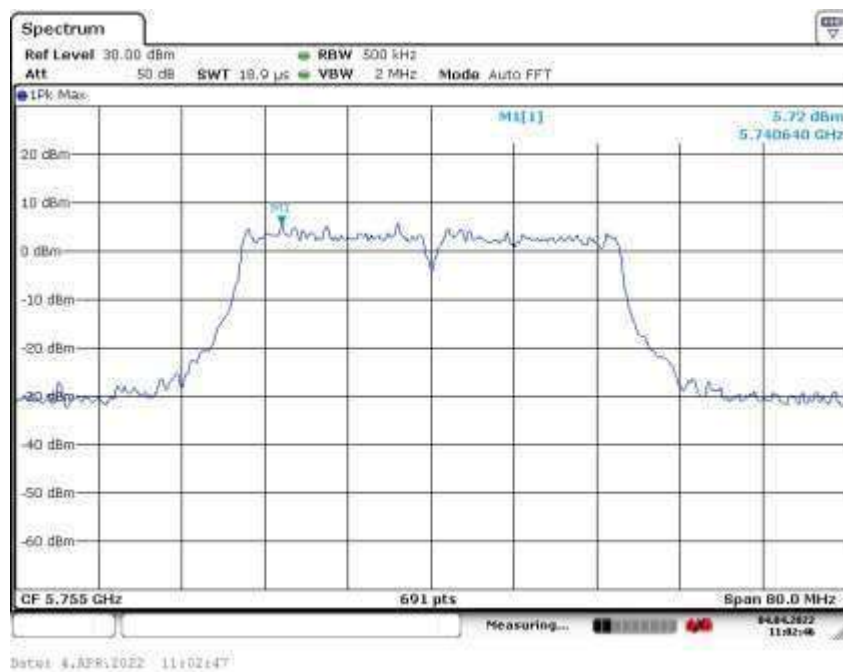


Report No.: AAEMT/EMC/220321-01-05

Channel: 165

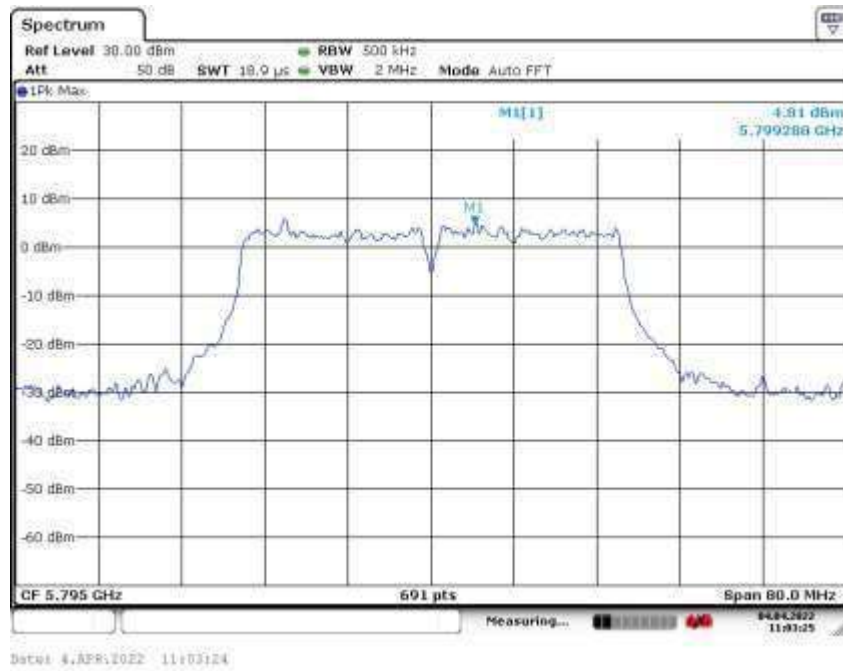


802.11ac40
Channel: 151



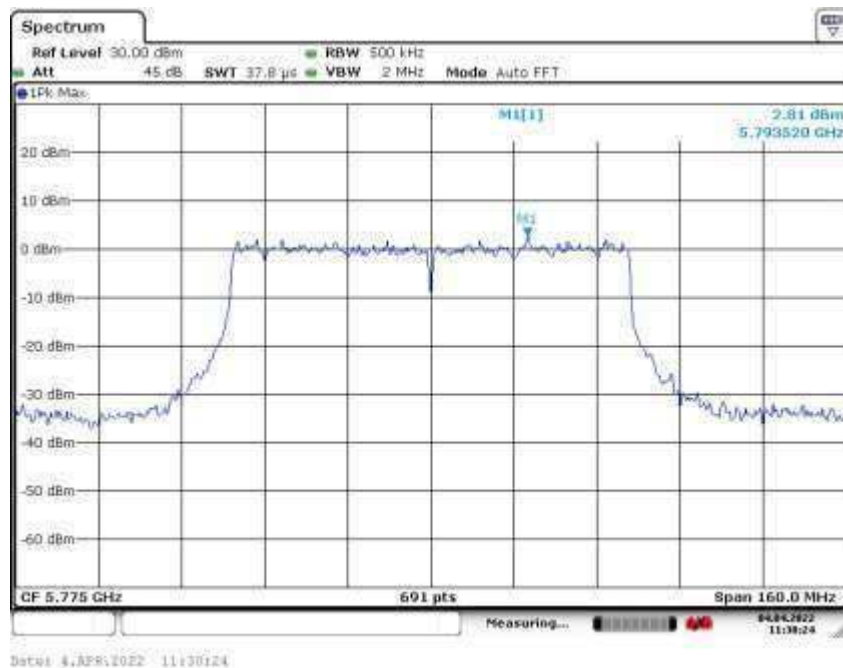
Report No.: AAEMT/EMC/220321-01-05

Channel: 159



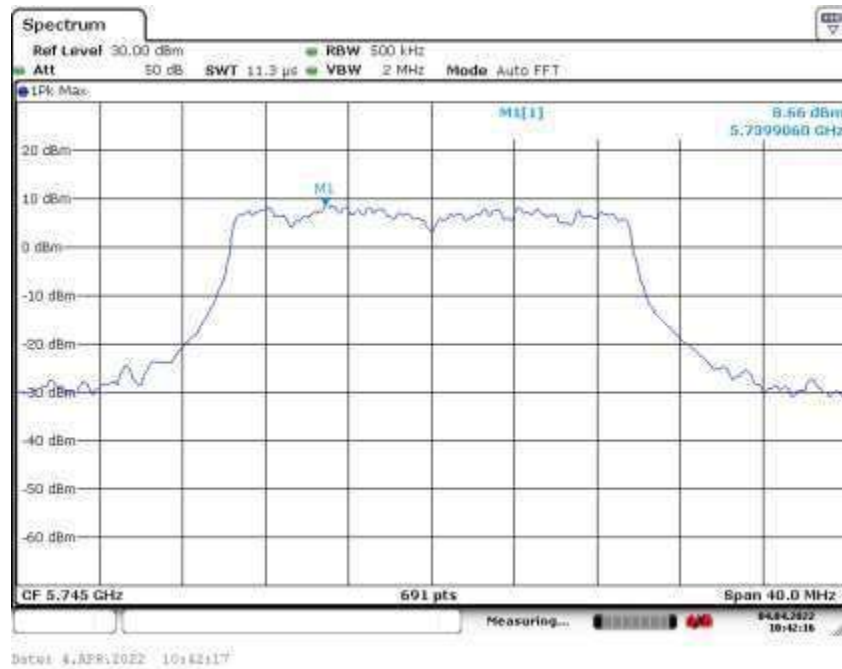
802.11ac80

Channel: 155

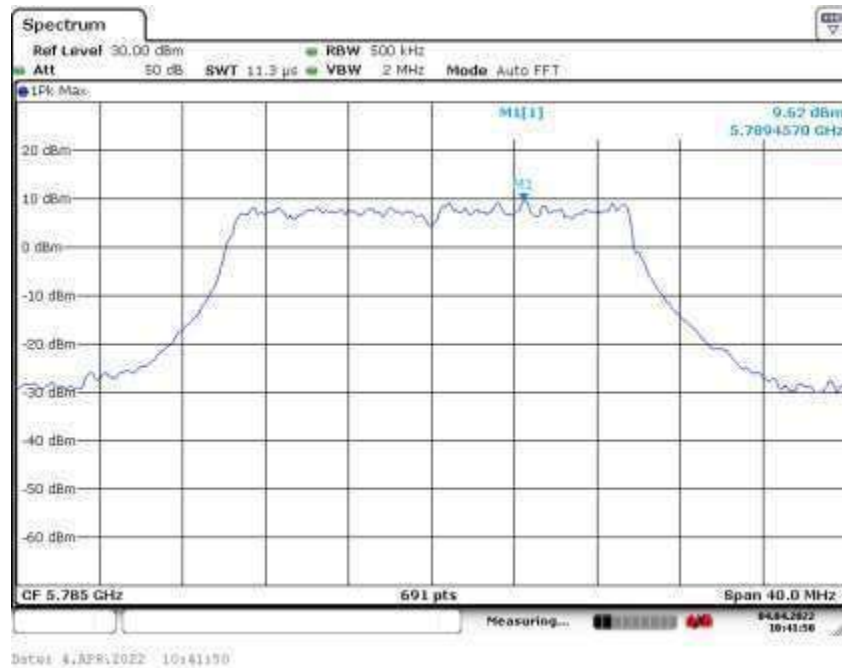


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 149

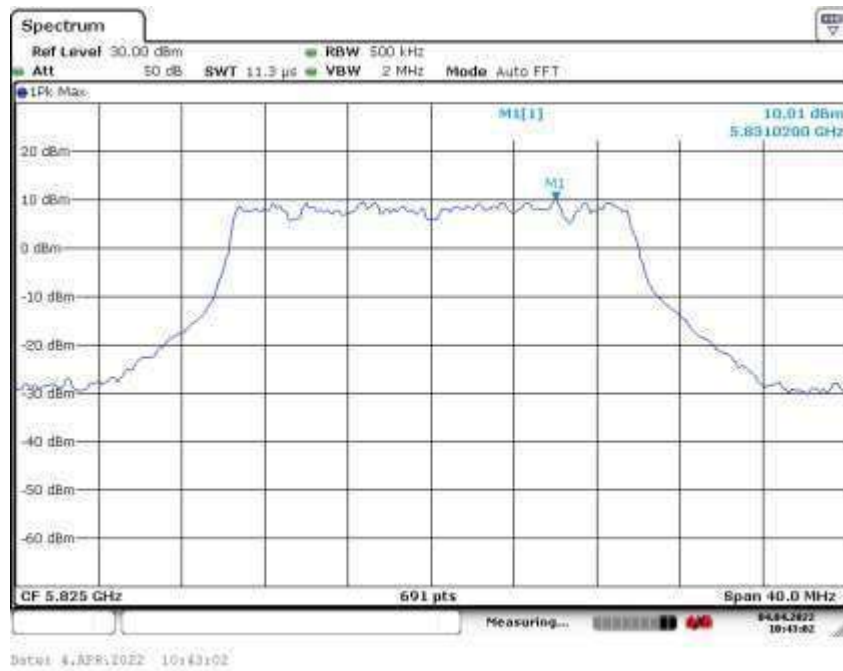


Channel: 157

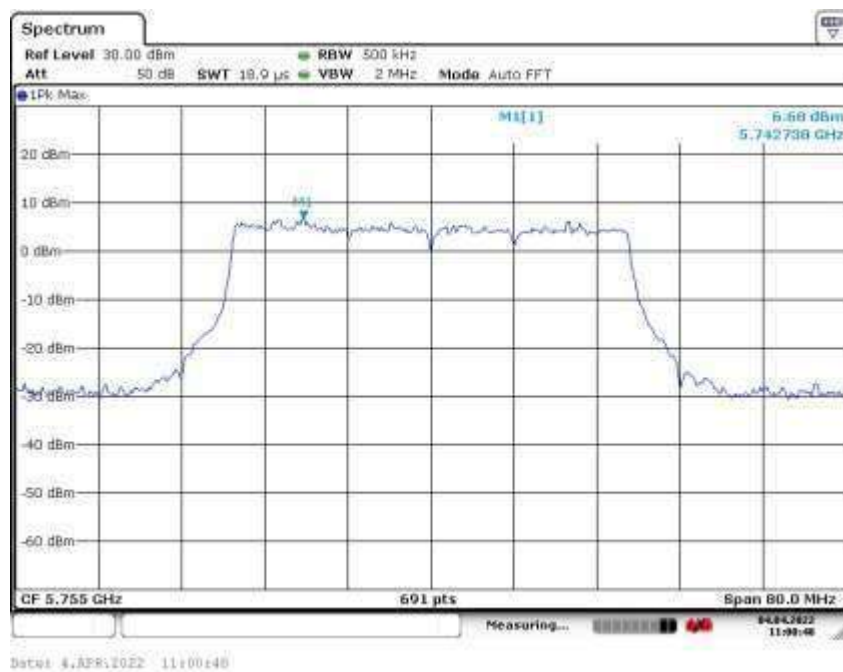


Report No.: AAEMT/EMC/220321-01-05

Channel: 165

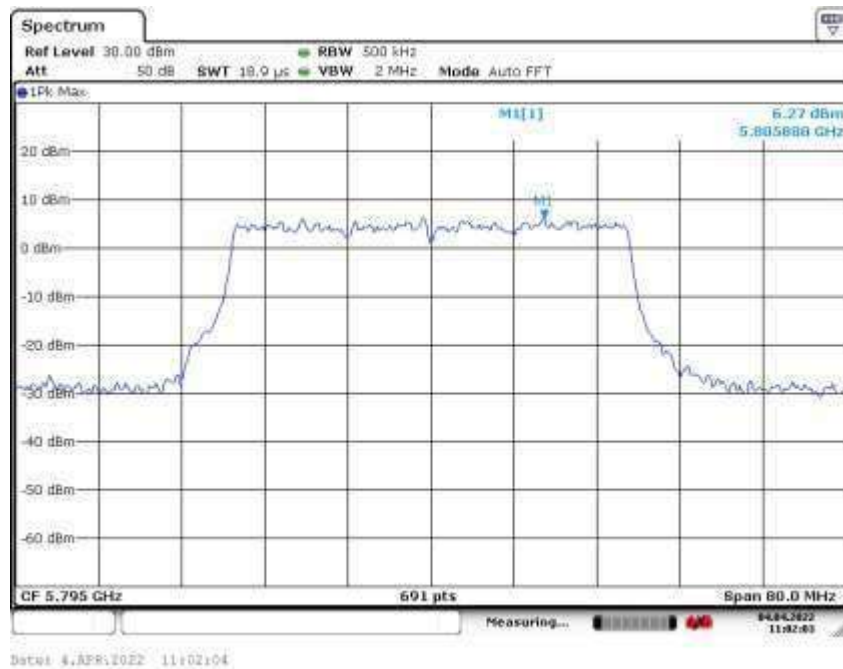


802.11ax40
 Channel: 151

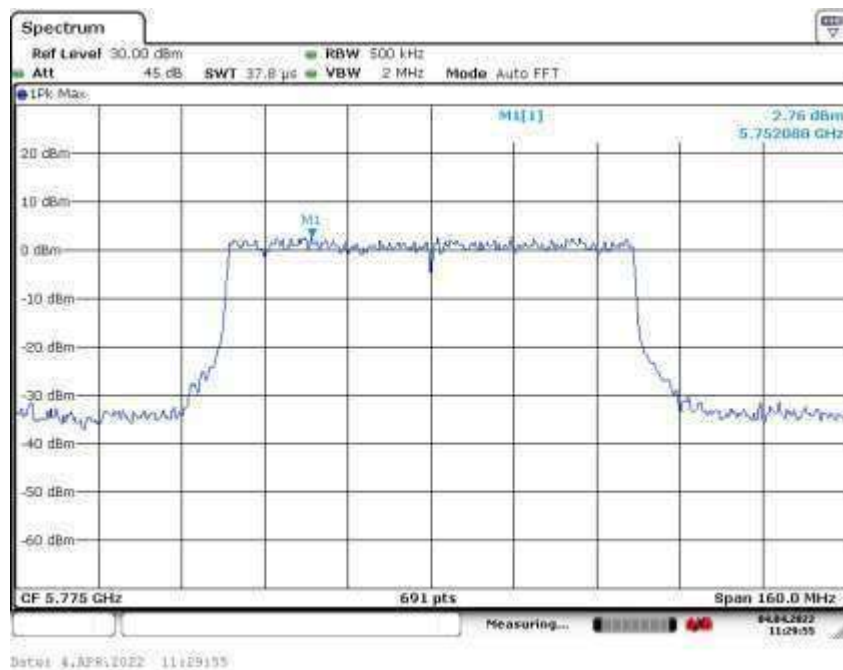


Report No.: AAEMT/EMC/220321-01-05

Channel: 159



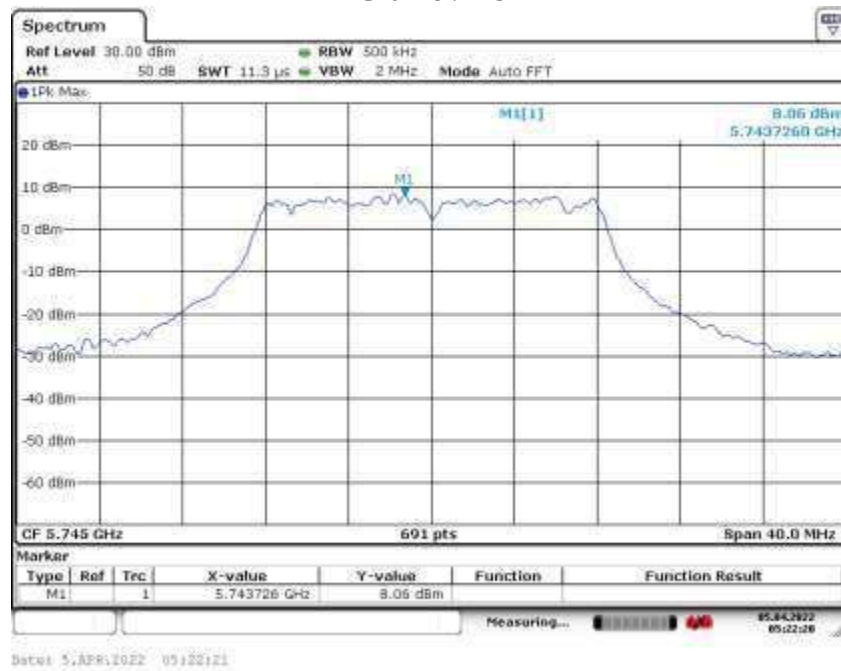
802.11ax80
 Channel: 155



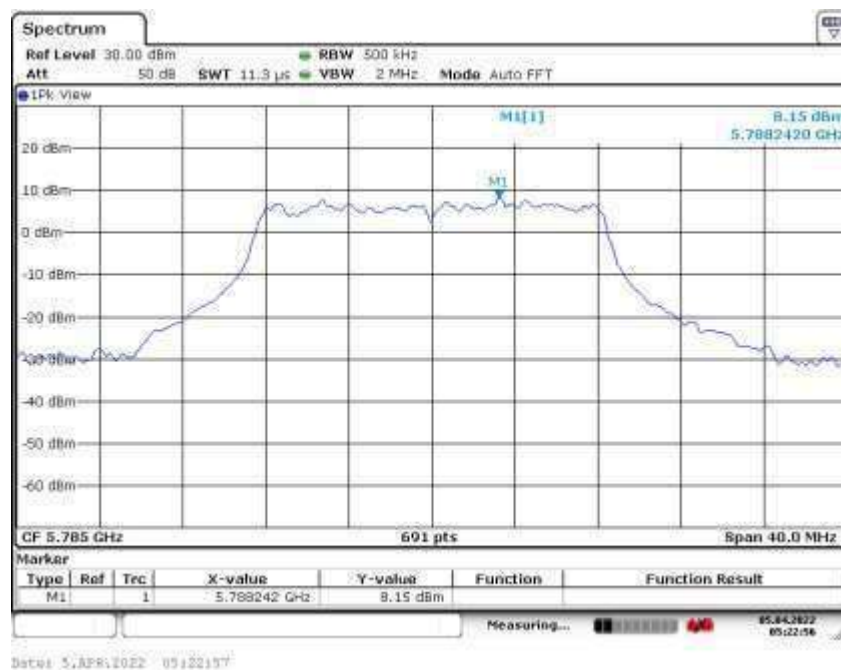
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GM_2

802.11a
Channel: 149

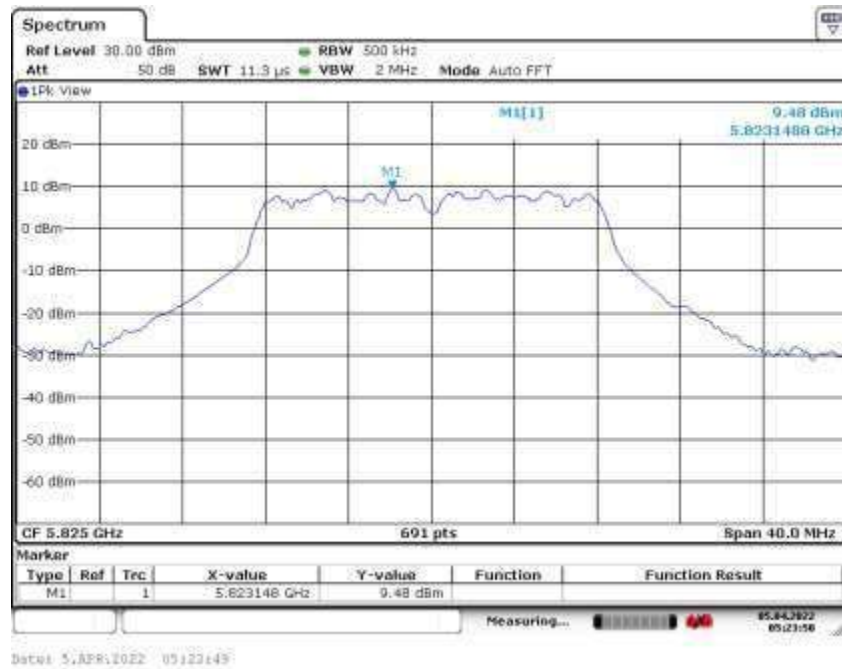


Channel: 157



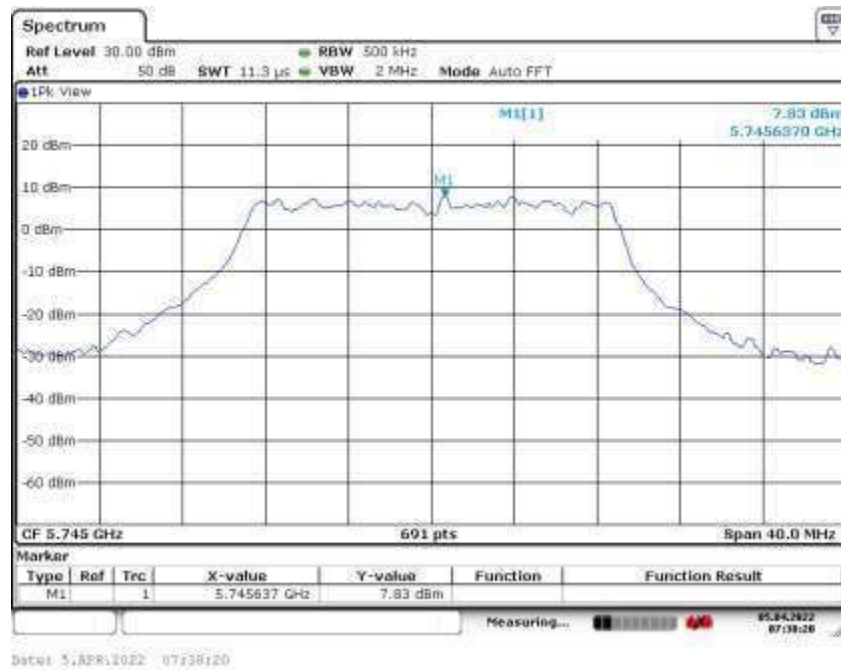
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

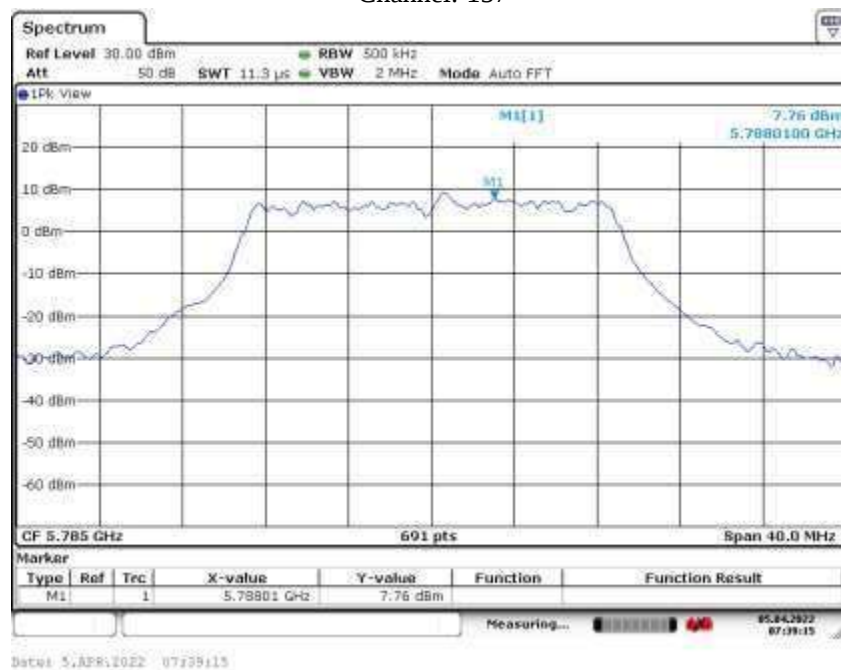


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 149

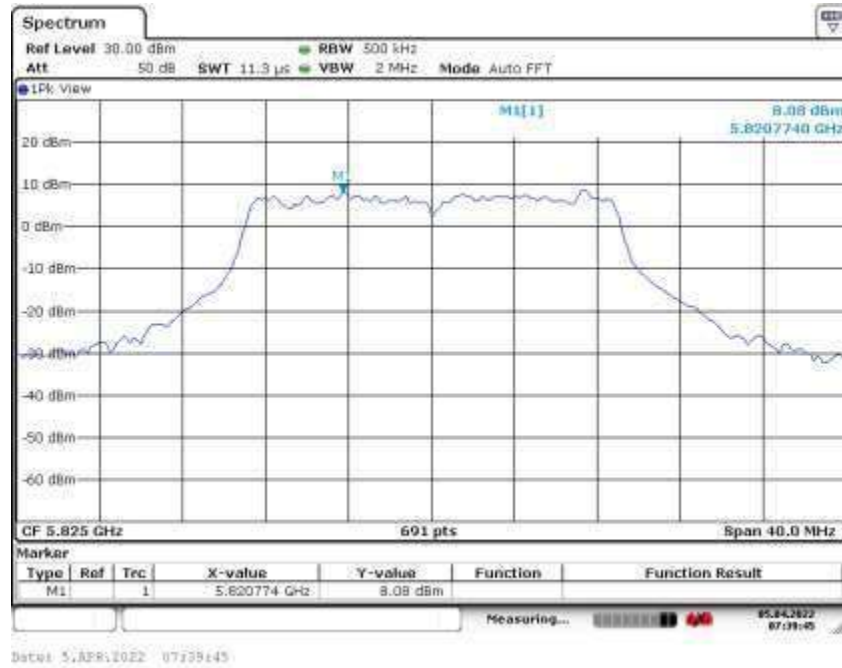


Channel: 157



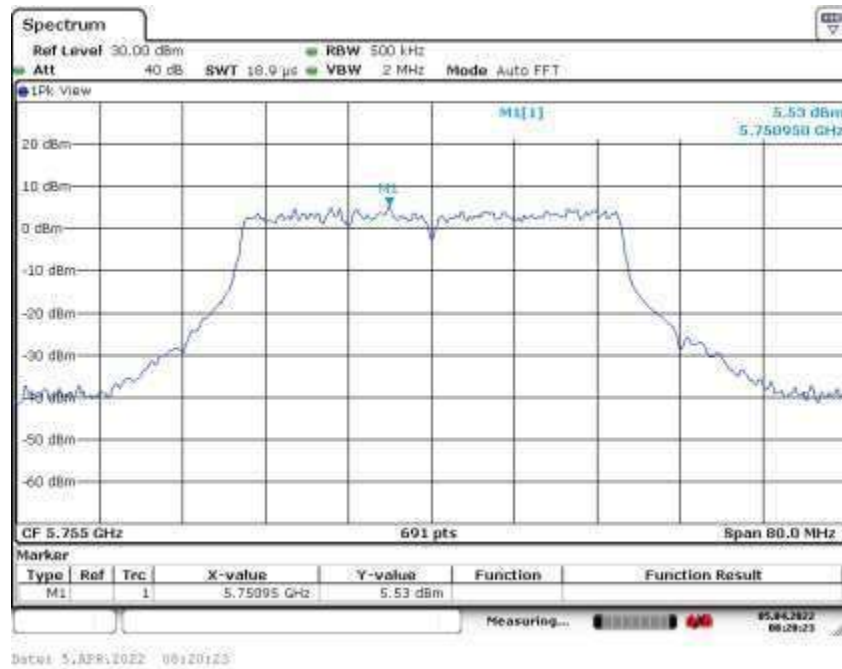
Report No.: AAEMT/EMC/220321-01-05

Channel: 165



Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 151

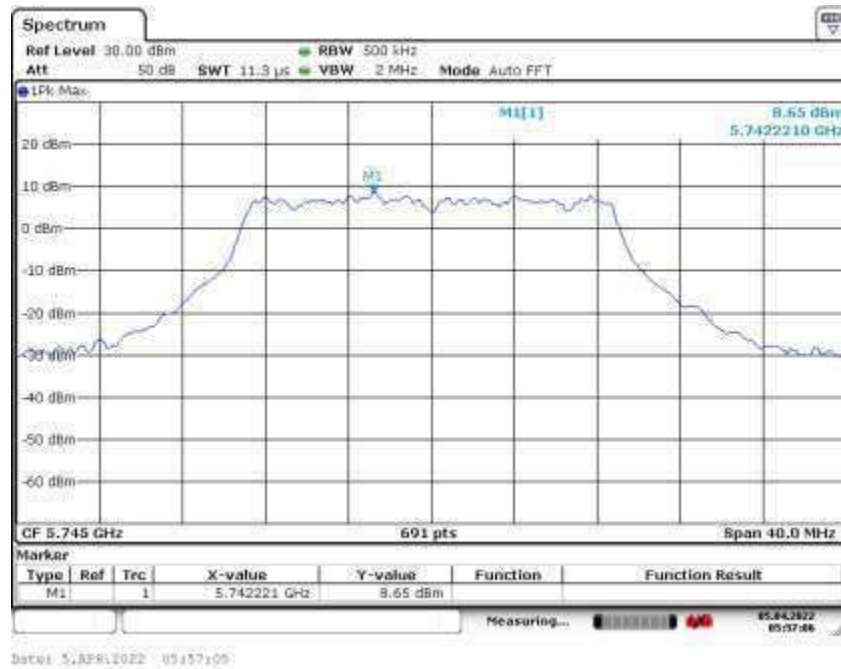


Channel: 159



Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 149

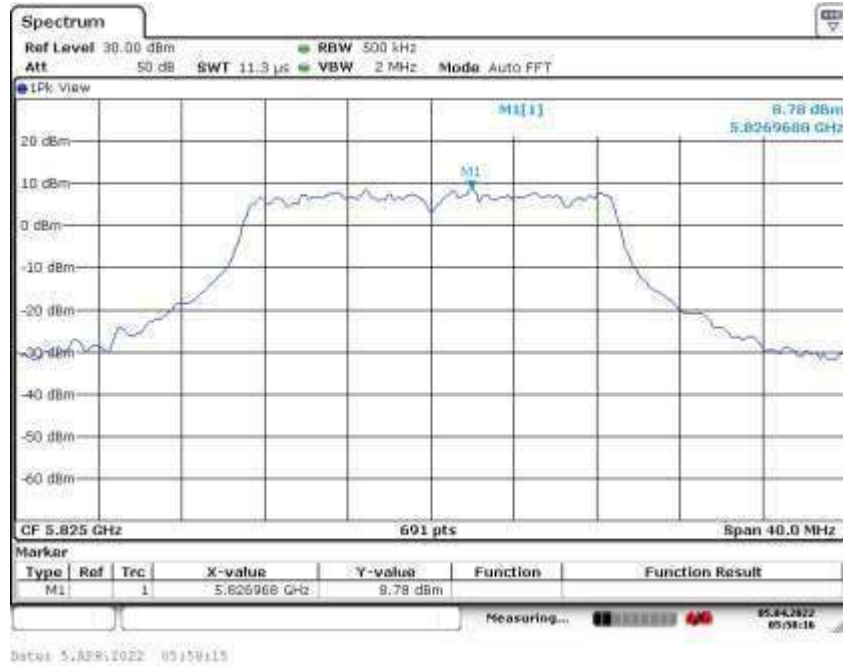


Channel: 157

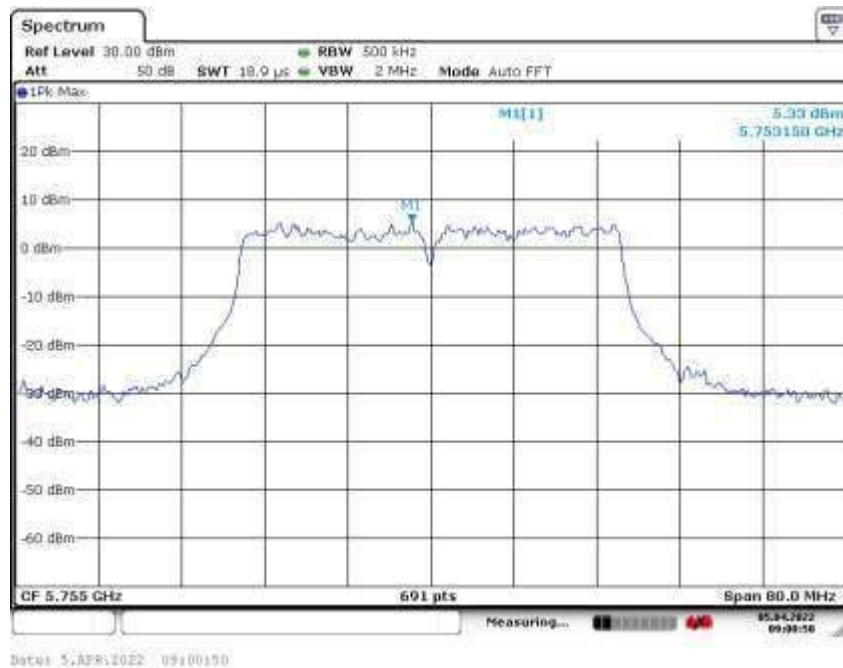


Report No.: AAEMT/EMC/220321-01-05

Channel: 165

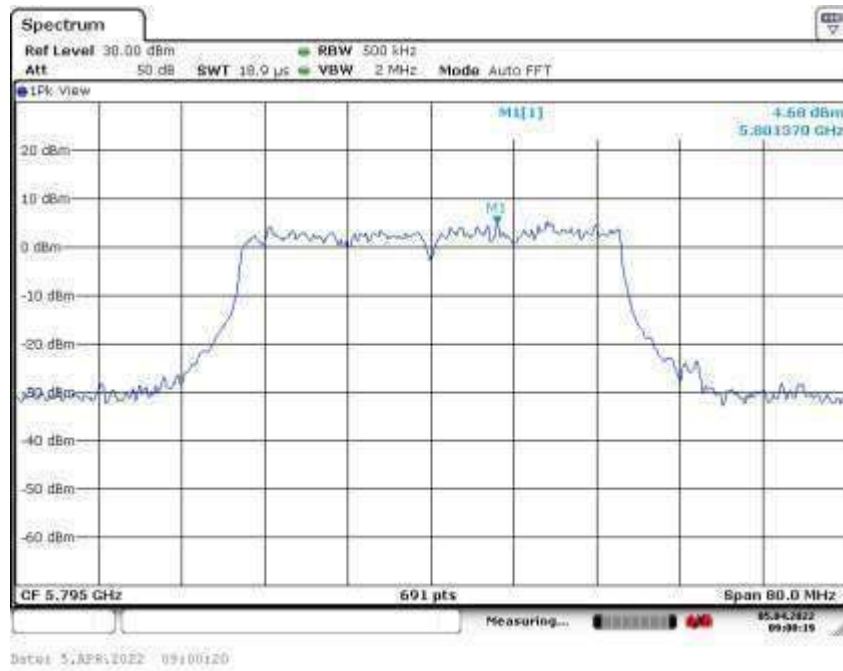


802.11ac40
 Channel: 151



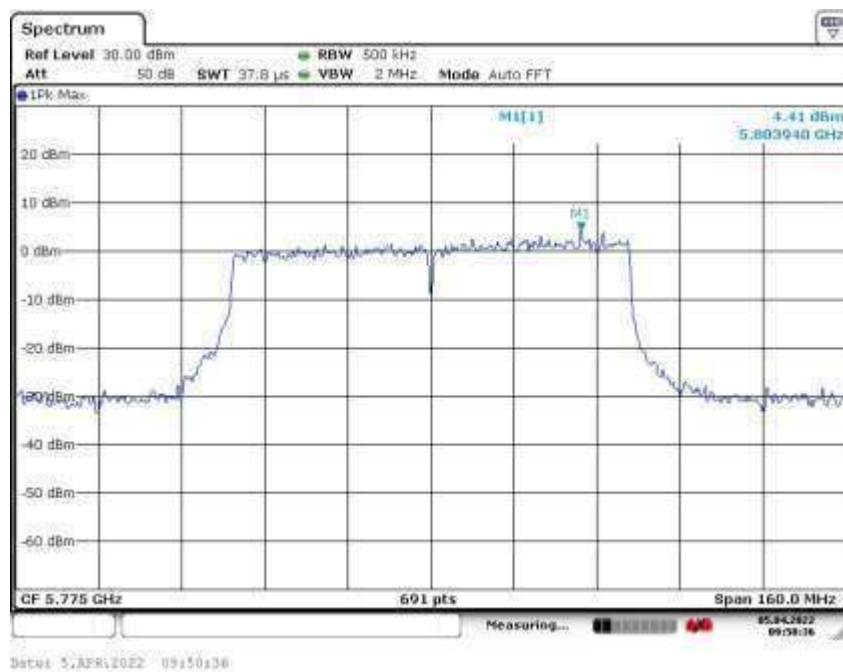
Report No.: AAEMT/EMC/220321-01-05

Channel: 159



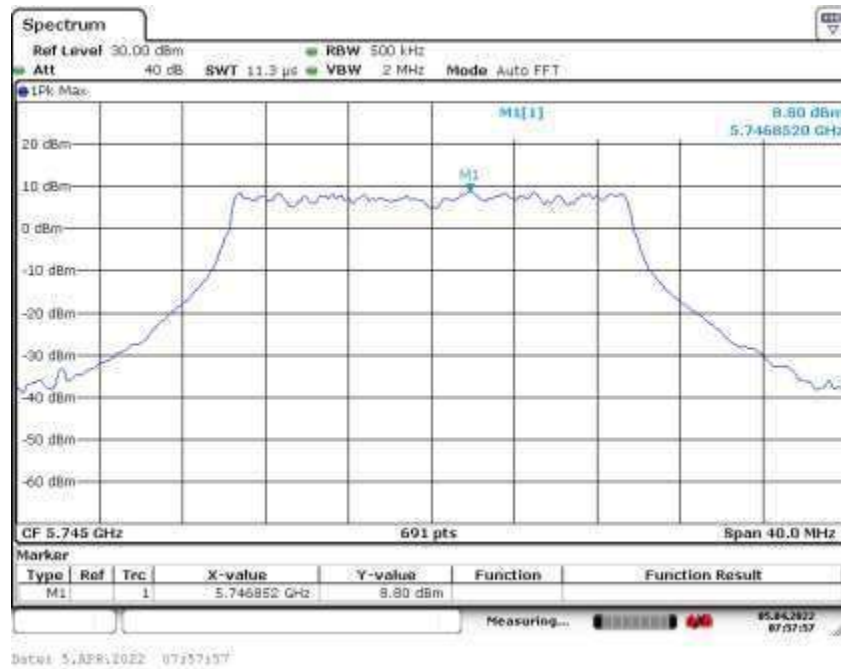
802.11ac80

Channel: 155

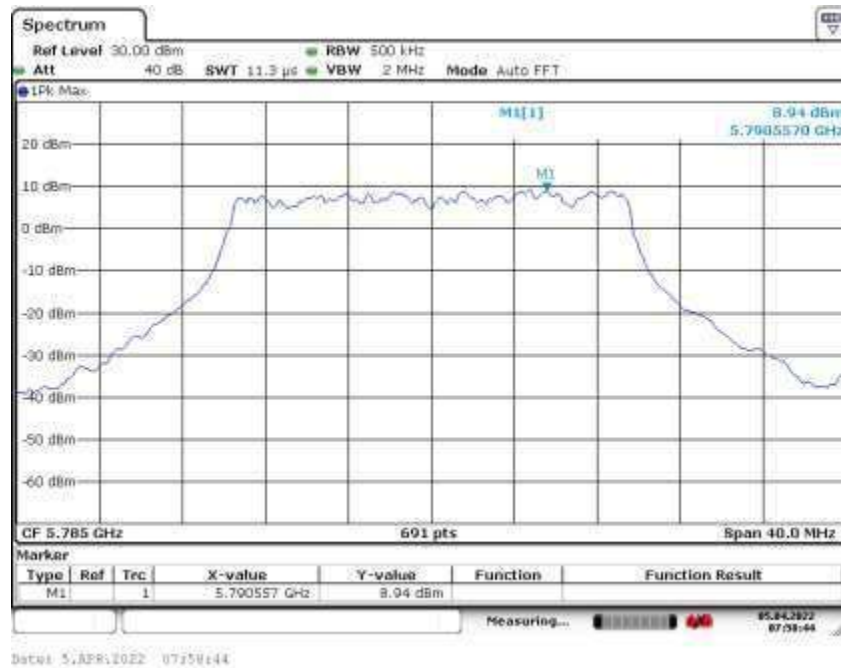


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 149

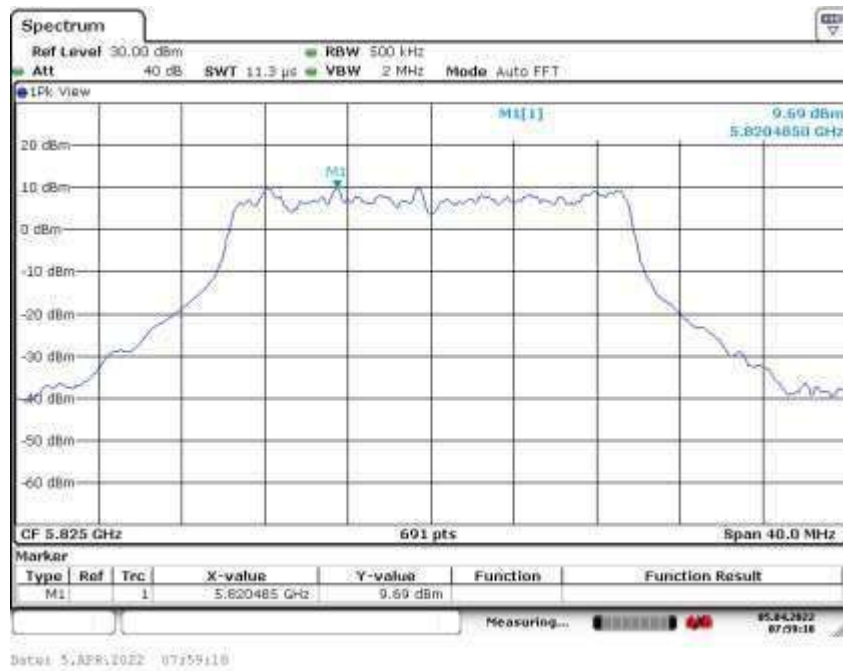


Channel: 157



Report No.: AAEMT/EMC/220321-01-05

Channel: 165

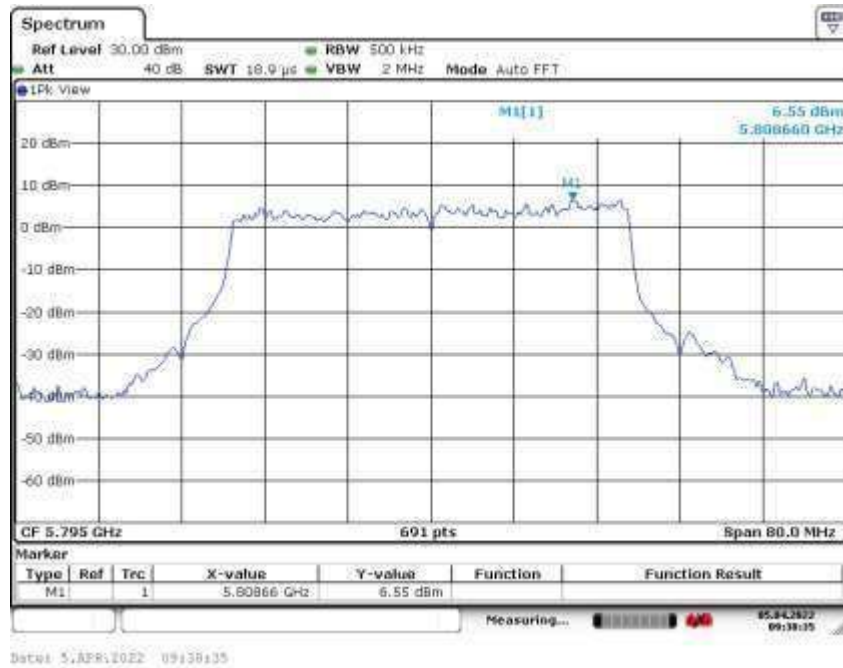


802.11ax40
Channel: 151



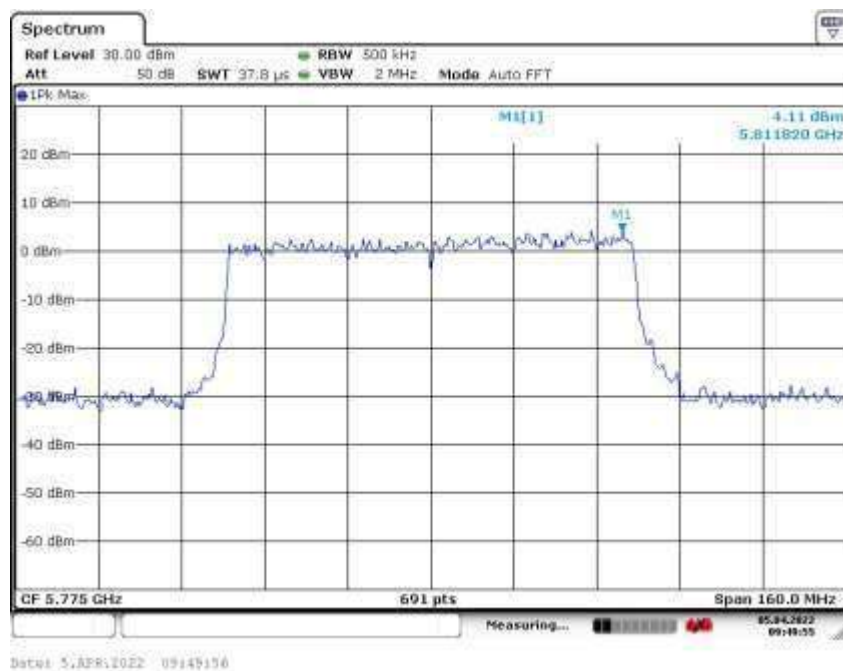
Report No.: AAEMT/EMC/220321-01-05

Channel: 159



802.11ax80

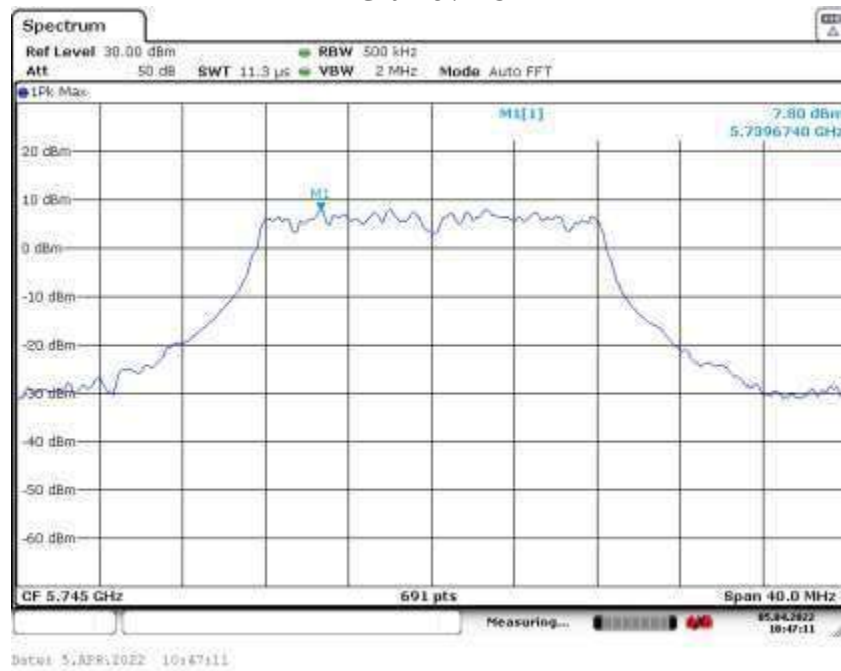
Channel: 155



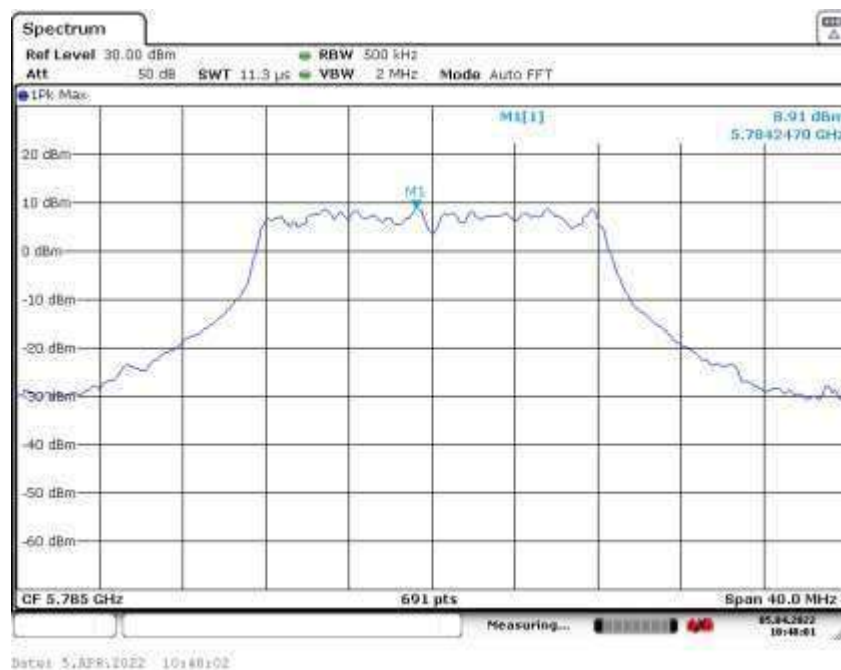
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GM_3

802.11a
Channel: 149

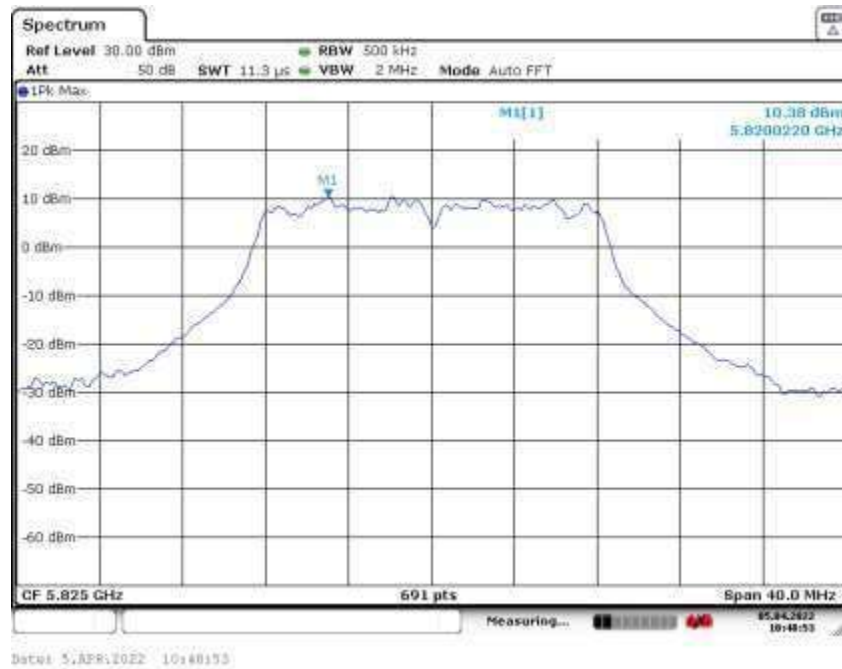


Channel: 157



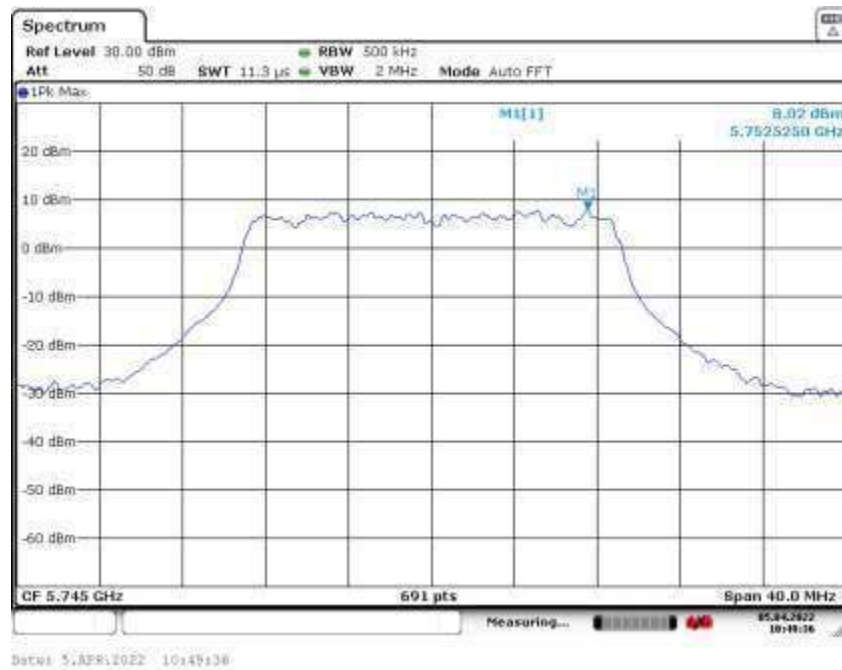
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

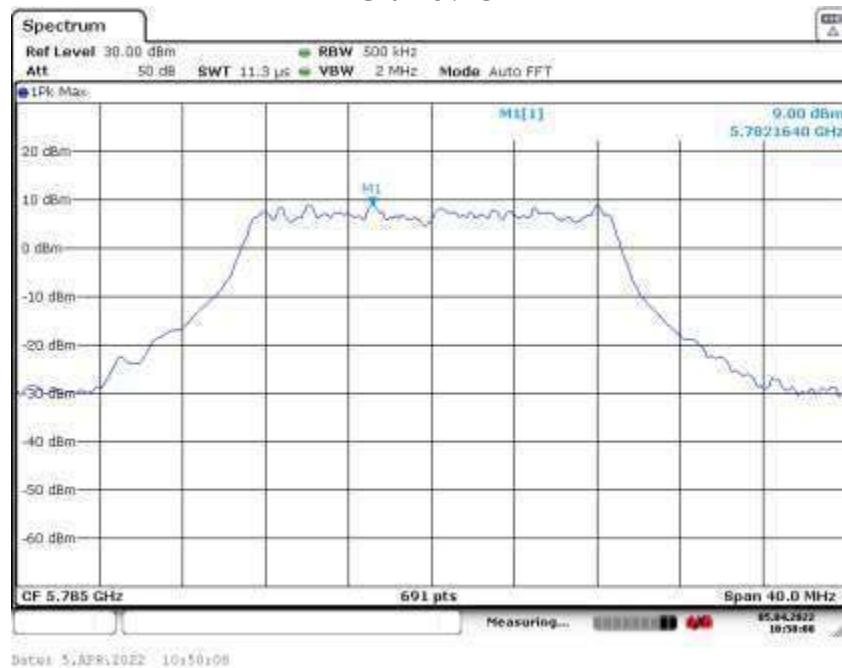


Report No.: AAEMT/EMC/220321-01-05

802.11n20
Channel: 149

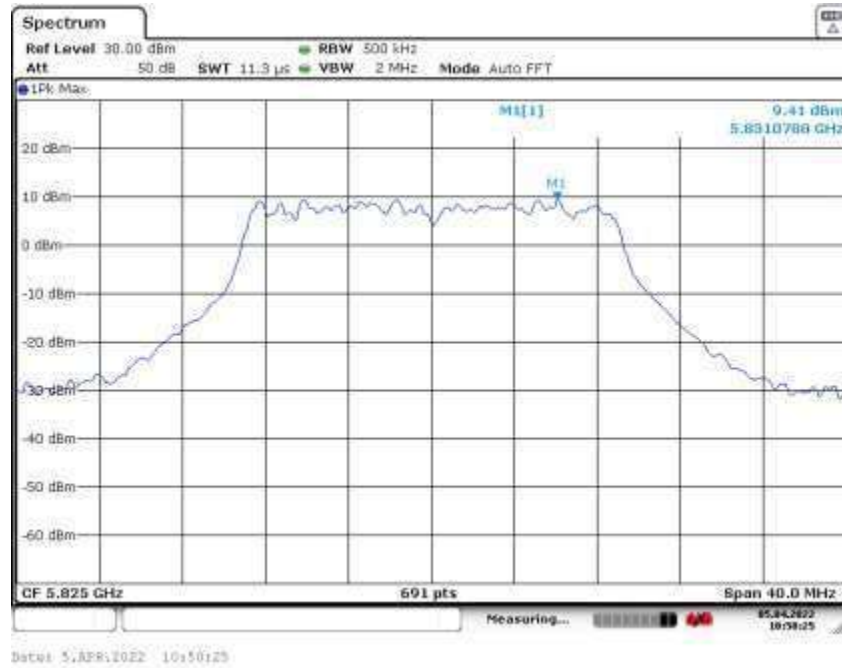


Channel: 157



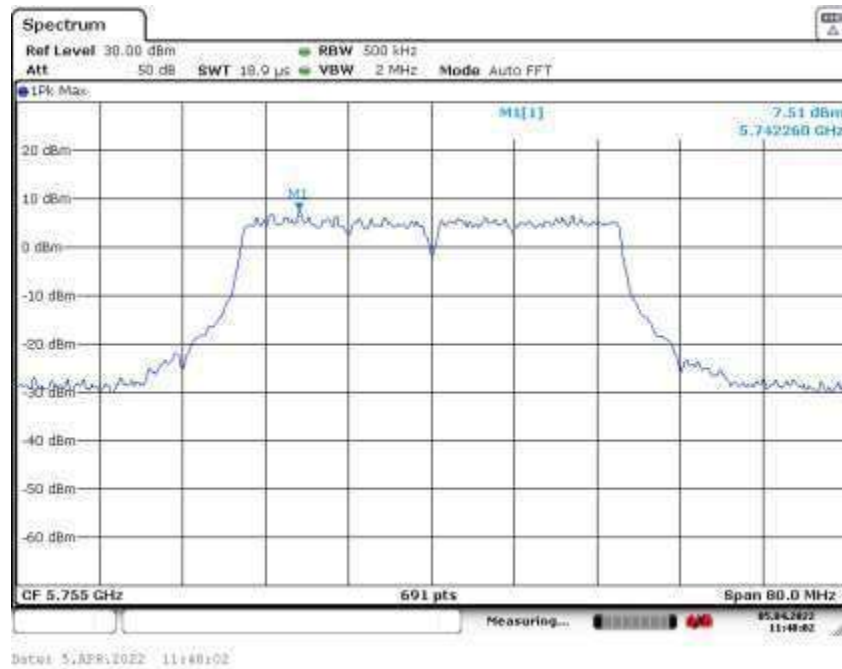
Report No.: AAEMT/EMC/220321-01-05

Channel: 165

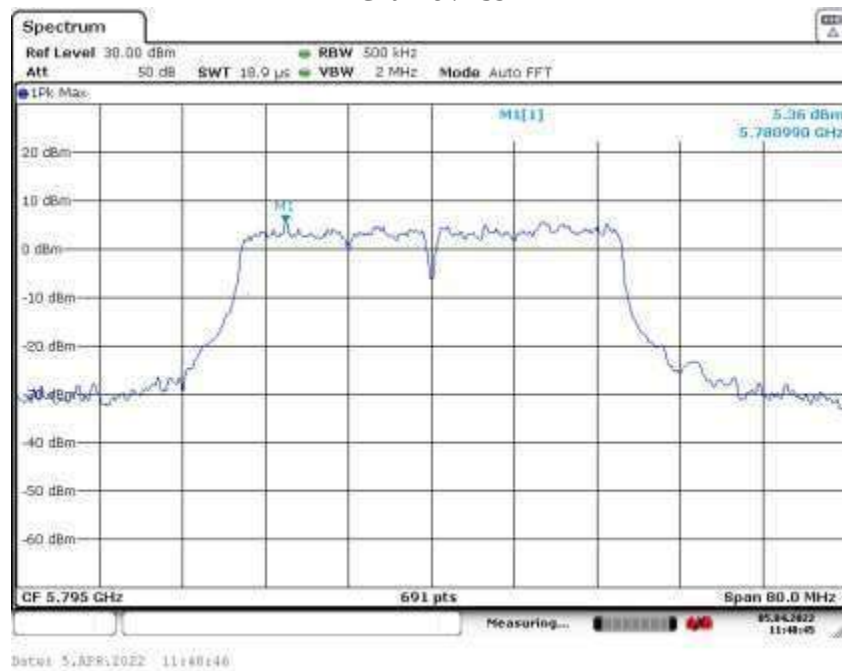


Report No.: AAEMT/EMC/220321-01-05

802.11n40
Channel: 151

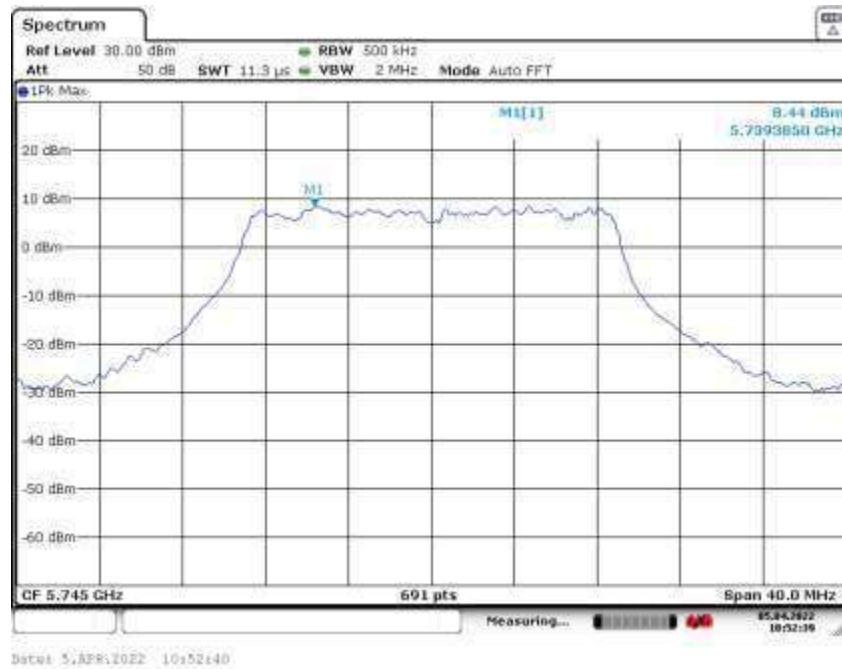


Channel: 159

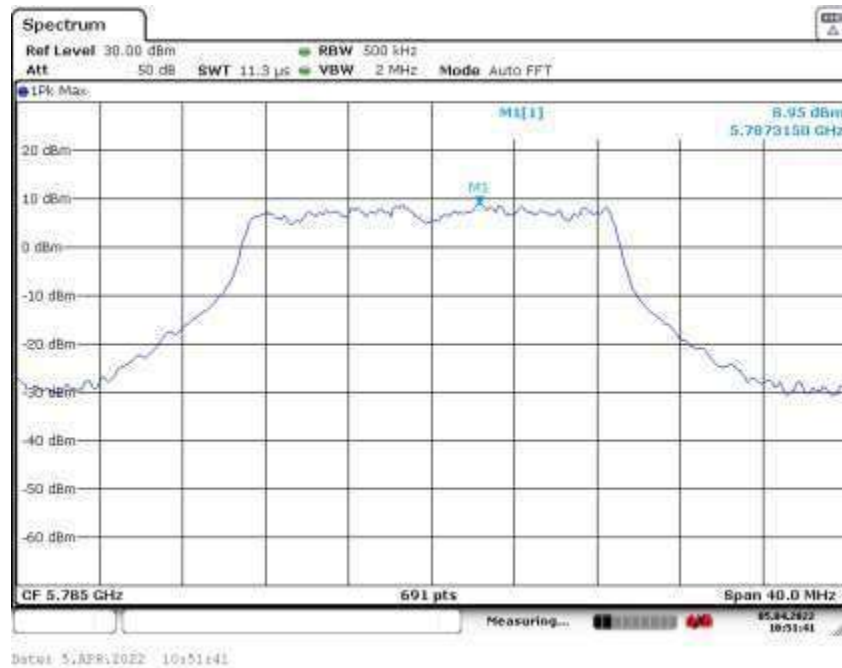


Report No.: AAEMT/EMC/220321-01-05

802.11ac20
Channel: 149

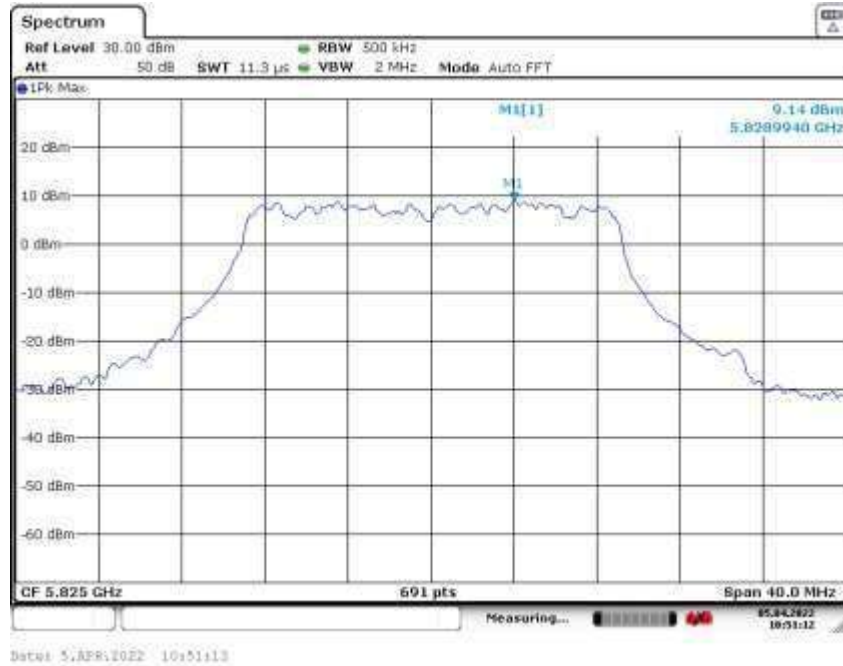


Channel: 157

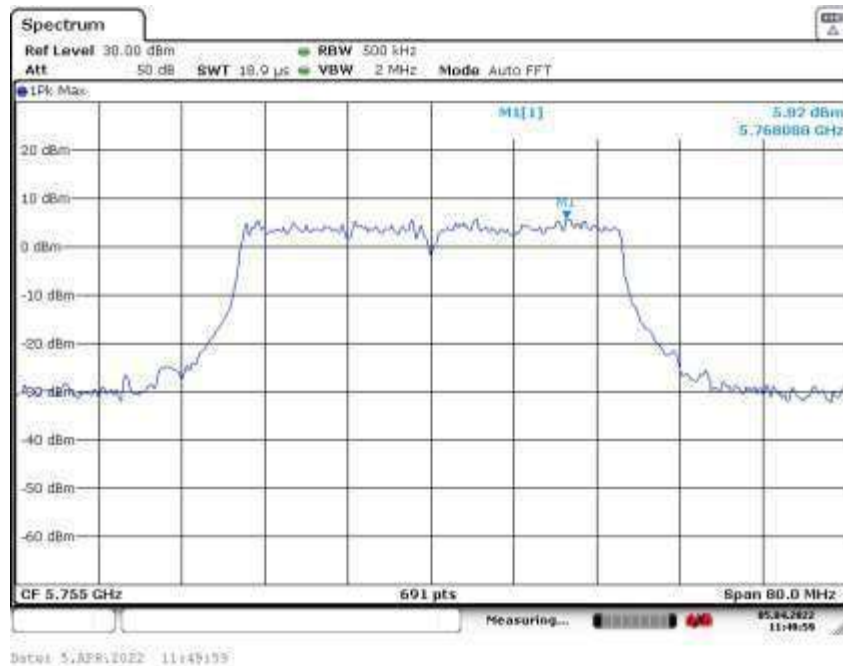


Report No.: AAEMT/EMC/220321-01-05

Channel: 165

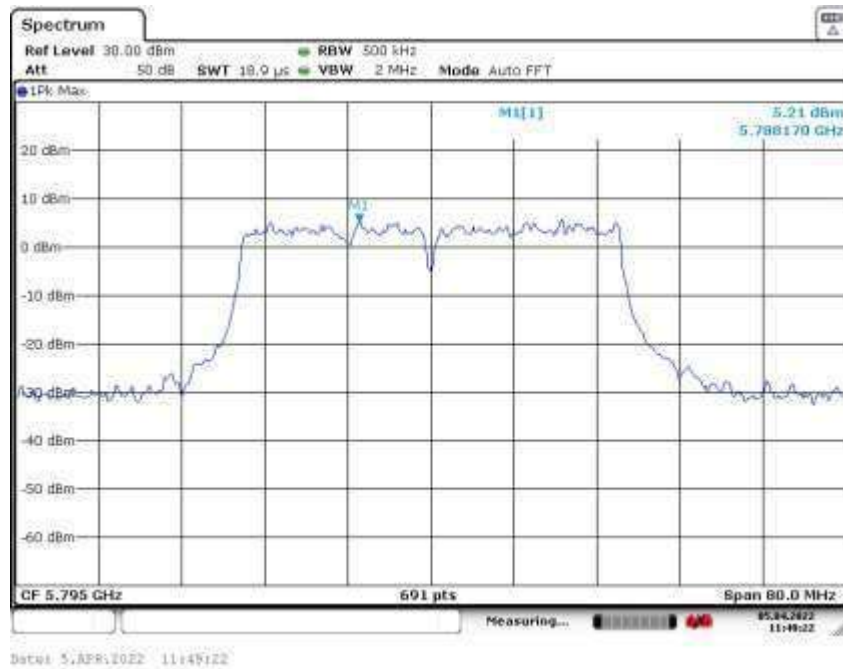


802.11ac40
Channel: 151



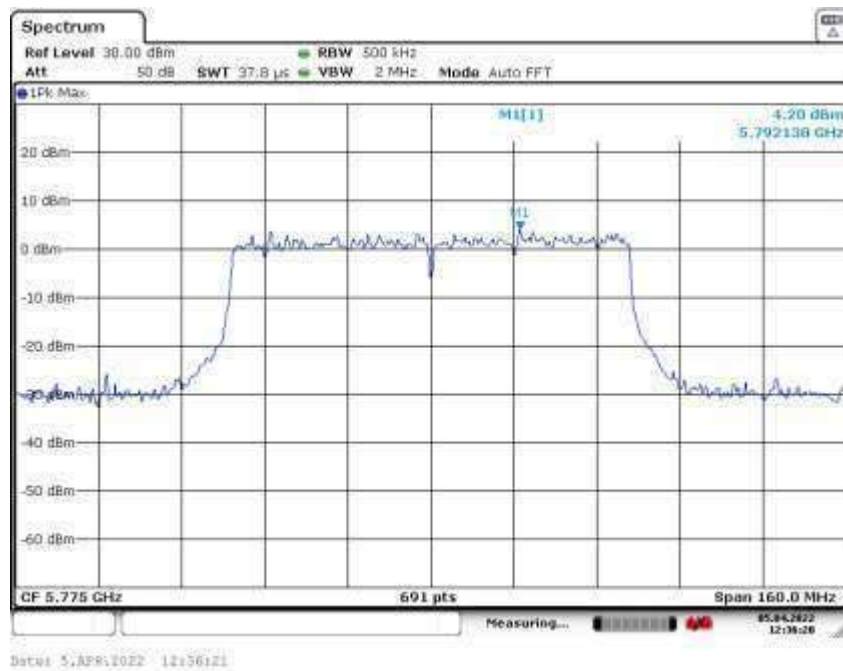
Report No.: AAEMT/EMC/220321-01-05

Channel: 159



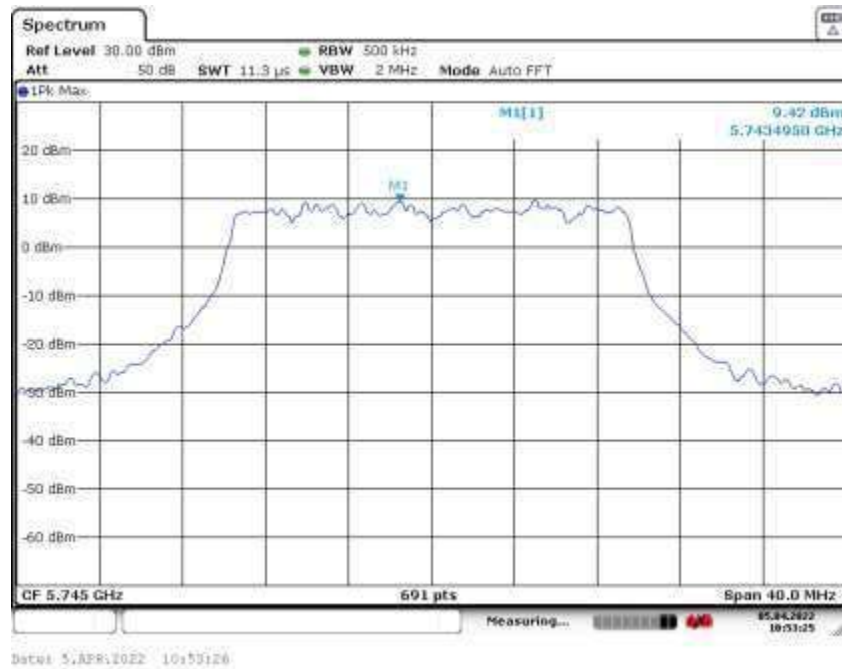
802.11ac80

Channel: 155

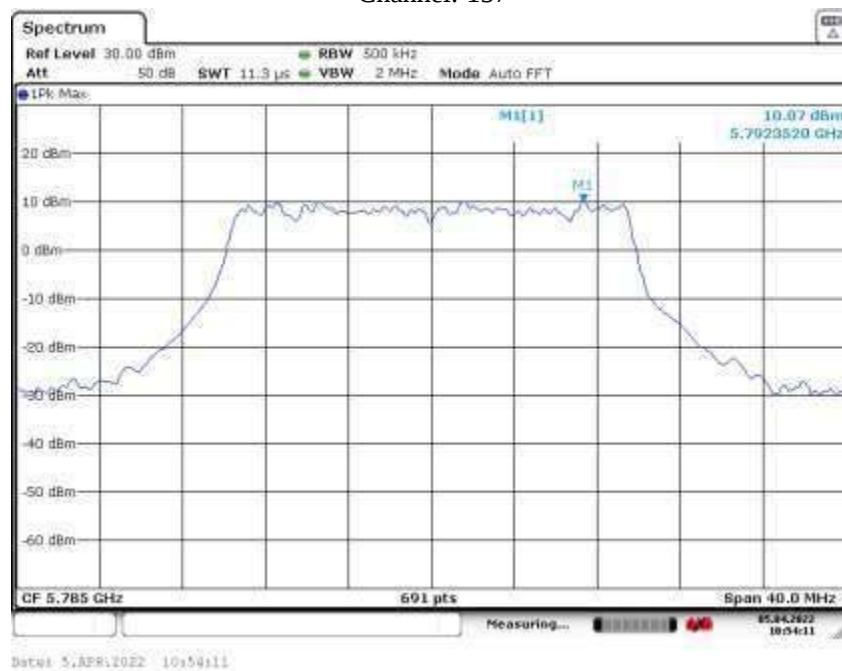


Report No.: AAEMT/EMC/220321-01-05

802.11ax20
Channel: 149

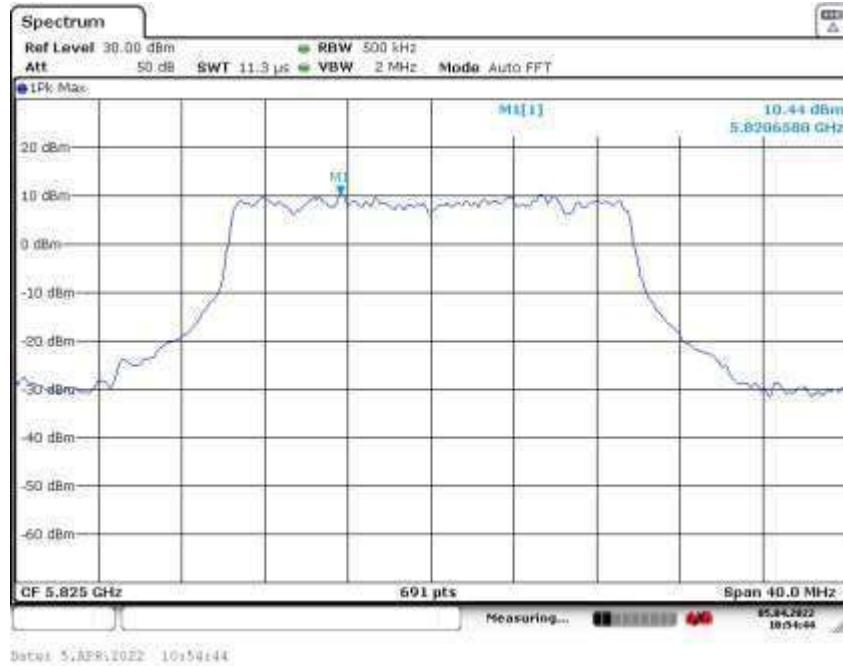


Channel: 157



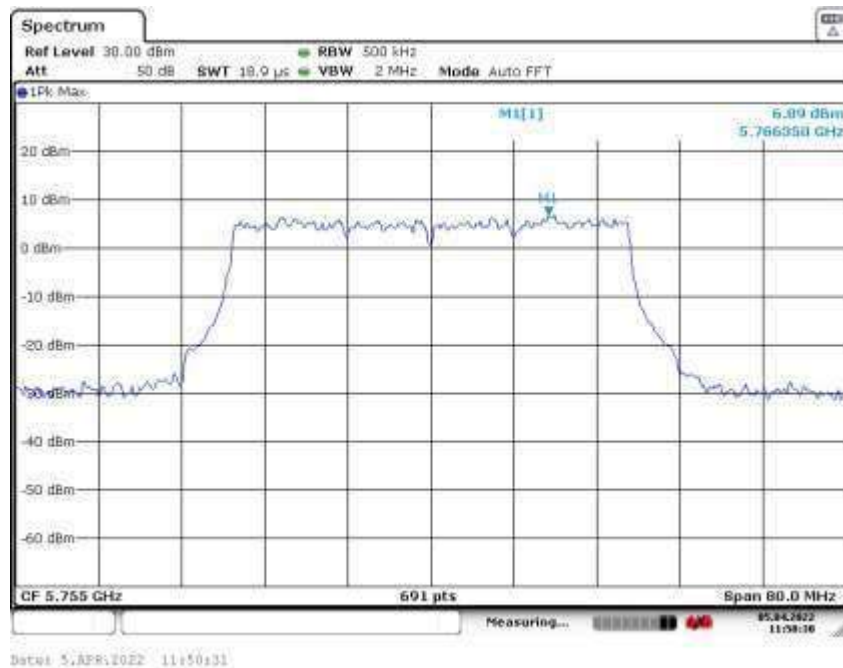
Report No.: AAEMT/EMC/220321-01-05

Channel: 165



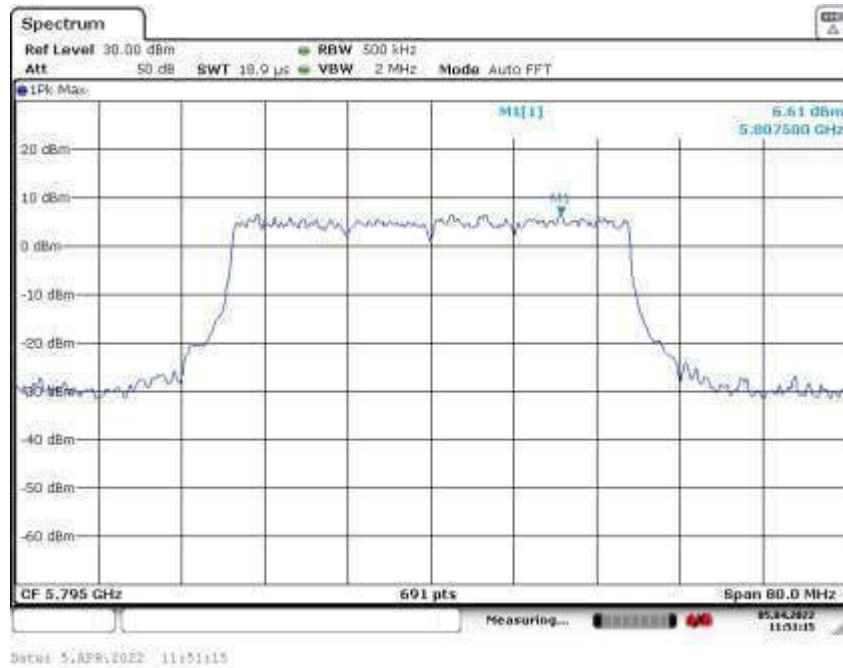
802.11ax40

Channel: 151

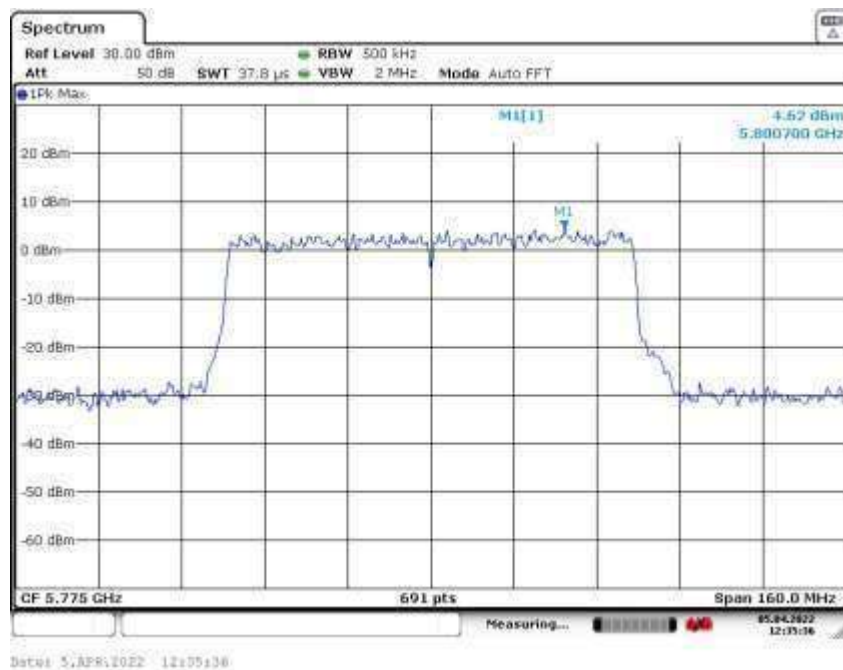


Report No.: AAEMT/EMC/220321-01-05

Channel: 159

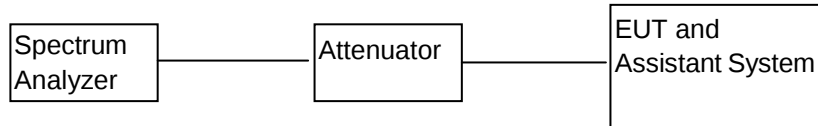


802.11ax80
Channel: 155



5. 26 dB & 99% Emission Bandwidth

5.1 BLOCK DIAGRAM OF TEST SETUP



5.2 APPLIED PROCEDURES / LIMIT

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

5.3. TEST PROCEDURE

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 5.0 times the OBW.
- Set RBW = 1 % to 5 % of the OBW
- Set $VBW \geq 3 \cdot RBW$
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99 % power bandwidth function of the instrument (if available).
- If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

5.4. TEST RESULT: 5GS_0 & 5GM_0

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
36	5180.00	21.129	20.839	21.766	19.797	16.541	16.584	17.843	17.626
44	5220.00	21.013	20.203	21.939	20.087	16.541	16.497	17.756	17.626
48	5240.00	21.592	22.055	22.518	19.797	16.584	17.843	17.800	17.670
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
149	5745.00	16.498	17.771	17.829	19.161	16.613	17.887	17.829	19.102
157	5785.00	16.498	17.771	17.829	19.161	16.555	17.887	17.713	19.044
165	5825.00	16.498	17.771	17.829	19.161	16.555	17.829	17.771	19.102

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
38	5190.00	43.65	44.46	42.95	36.555	36.555	38.118
46	5230.00	43.99	43.88	42.95	36.555	36.555	38.031
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
151	5755.00	36.67	36.64	38.38	36.584	36.468	37.973
159	5795.00	36.61	36.53	38.27	36.468	36.700	37.973

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
42	5210.00	87.76	87.76	77.452	77.452
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
155	5775.00	76.47	78.09	76.410	77.568

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TEST RESULT: 5GS_111 &

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
36	5180.00	20.434	21.939	22.344	22.576	16.541	17.756	17.800	19.146
44	5220.00	20.897	22.229	22.46	22.179	16.497	17.800	17.800	19.102
48	5240.00	20.666	21.939	22.518	22.46	16.541	17.800	17.843	19.059
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
149	5745.00	16.556	17.829	17.829	19.219	16.555	17.829	17.829	19.102
157	5785.00	16.556	17.771	17.829	19.219	16.555	17.829	17.829	19.160
165	5825.00	16.556	17.829	17.829	19.219	16.497	17.771	17.713	19.160

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
38	5190.00	41.33	43.30	44.57	36.295	36.468	38.031
46	5230.00	42.26	43.99	44.11	36.295	36.729	38.031
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
151	5755.00	36.64	36.58	38.49	36.700	36.700	38.089
159	5795.00	36.58	36.53	38.15	36.700	36.700	37.973

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
42	5210.00	87.29	84.28	76.063	77.45
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
155	5775.00	76.47	77.86	76.410	77.800

TEST RESULT: 5GS_2 & 5GM_2

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
36	5180.00	20.608	22.46	21.823	22.634	19.059	17.756	17.756	19.059
44	5220.00	19.74	22.133	22.287	22.518	19.059	17.800	17.756	19.059
48	5240.00	20.955	21.881	22.113	22.213	16.541	17.800	17.843	19.059
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
149	5745.00	16.498	17.829	17.829	19.161	16.555	17.771	17.829	18.986
157	5785.00	16.526	17.829	17.829	19.161	16.555	17.829	17.829	19.044
165	5825.00	16.498	17.829	17.829	19.219	16.555	17.771	17.771	19.160

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
38	5190.00	45.04	43.07	44.57	36.729	36.468	38.205
46	5230.00	44.23	42.60	42.84	36.584	36.555	38.031
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
151	5755.00	36.58	36.58	38.32	36.468	36.700	37.973
159	5795.00	36.47	36.58	38.21	36.700	36.584	37.973

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
42	5210.00	88.91	89.84	76.063	77.452
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
155	5775.00	76.18	78.26	76.179	77.800

TEST RESULT: 5GS_3 & 5GM_3

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
36	5180.00	20.781	20.897	23.097	22.113	16.541	16.497	17.771	19.102
44	5220.00	20.781	21.534	22.634	22.171	16.584	16.541	17.771	19.102
48	5240.00	20.492	21.129	23.329	23.039	16.541	16.584	17.829	19.102
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)
149	5745.00	16.556	17.829	17.829	19.161	16.613	17.829	17.829	19.044
157	5785.00	16.556	17.771	17.829	19.161	16.555	17.829	17.829	19.102
165	5825.00	16.498	17.771	17.829	19.161	16.555	17.771	17.771	19.044

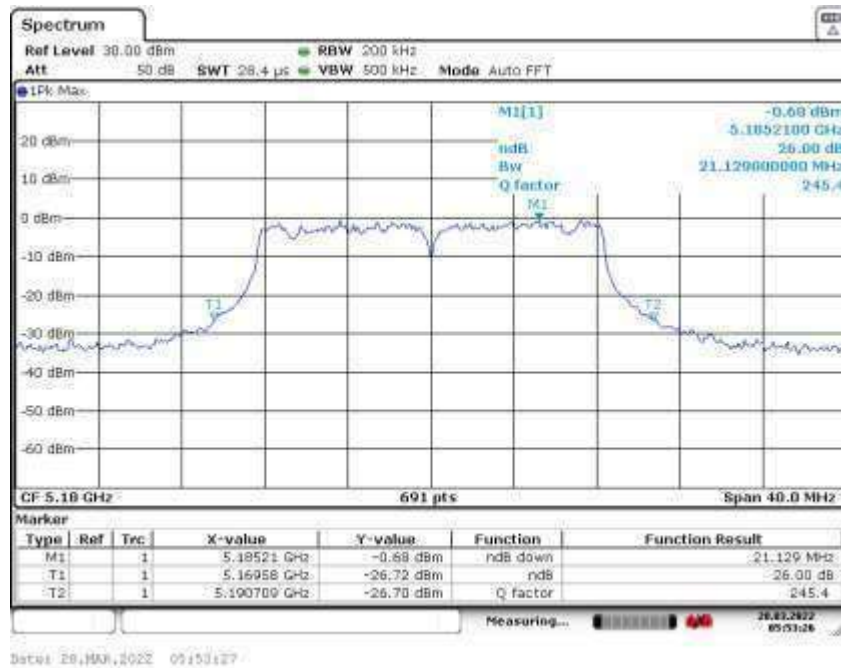
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		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
38	5190.00	41.33	43.42	43.07	36.353	36.555	37.973
46	5230.00	40.41	42.37	43.76	36.237	36.468	37.973
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)
151	5755.00	36.58	36.64	38.38	36.700	36.584	37.973
159	5795.00	36.64	36.53	38.38	36.584	36.468	37.973

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
42	5210.00	85.90	87.99	75.716	77.279
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ac (VHT80)	802.11ax (HE80)	802.11ac (VHT80)	802.11ax (HE80)
155	5775.00	76.35	78.21	76.410	77.800

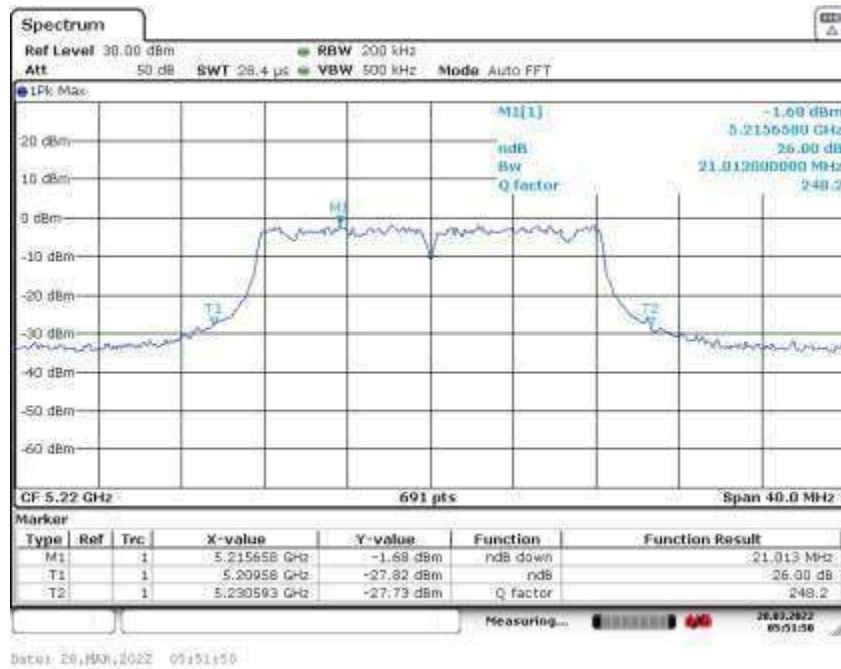
Report No.: AAEMT/EMC/220321-01-05

Test plots as followed: 5GS_0

26dB BW 802.11a
Channel: 36

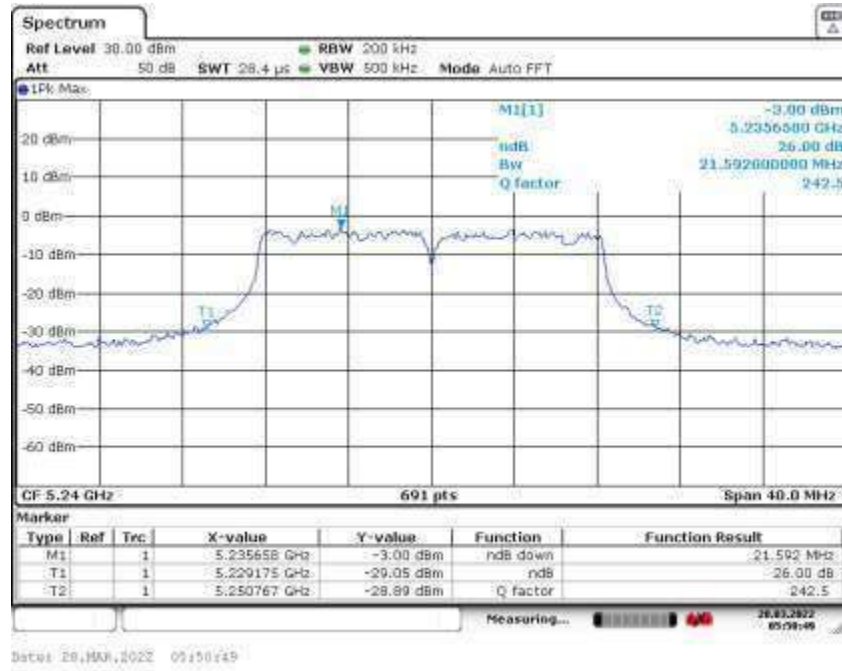


Channel: 44



Report No.: AAEMT/EMC/220321-01-05

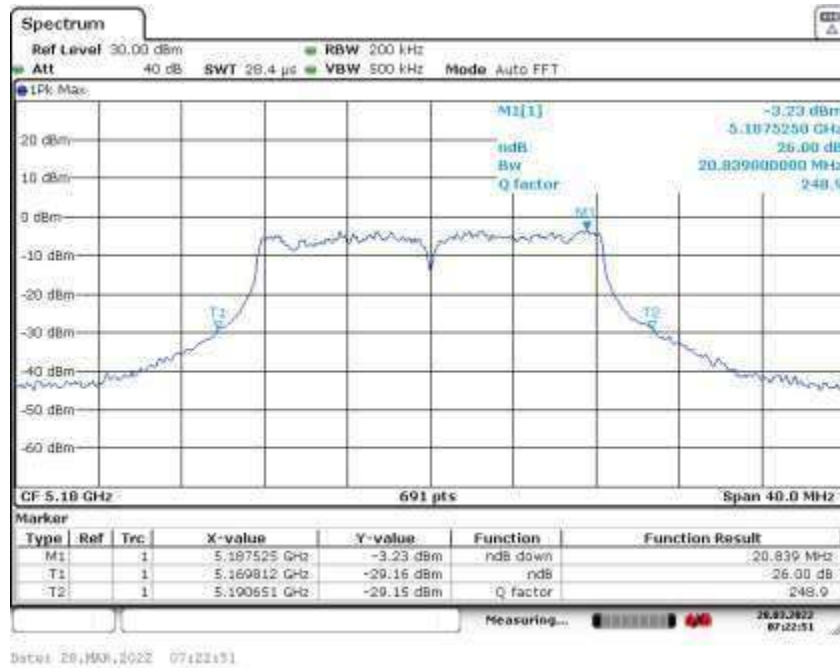
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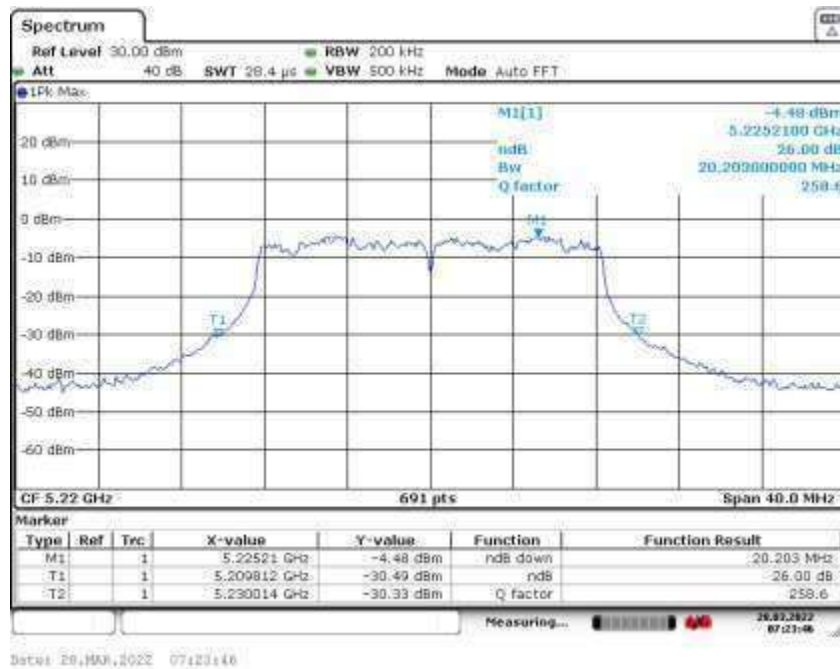
Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11n20

Channel: 36

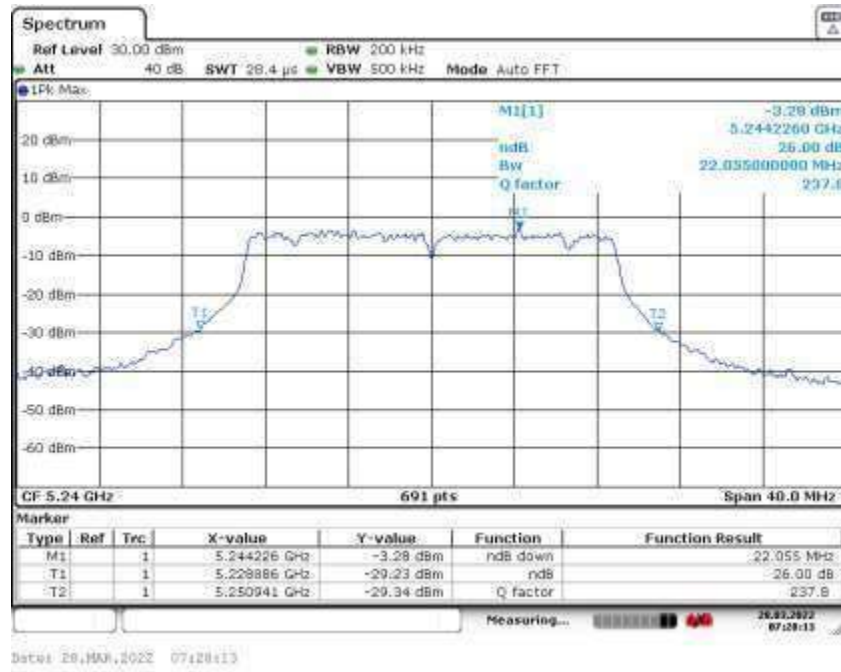


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Channel: 48

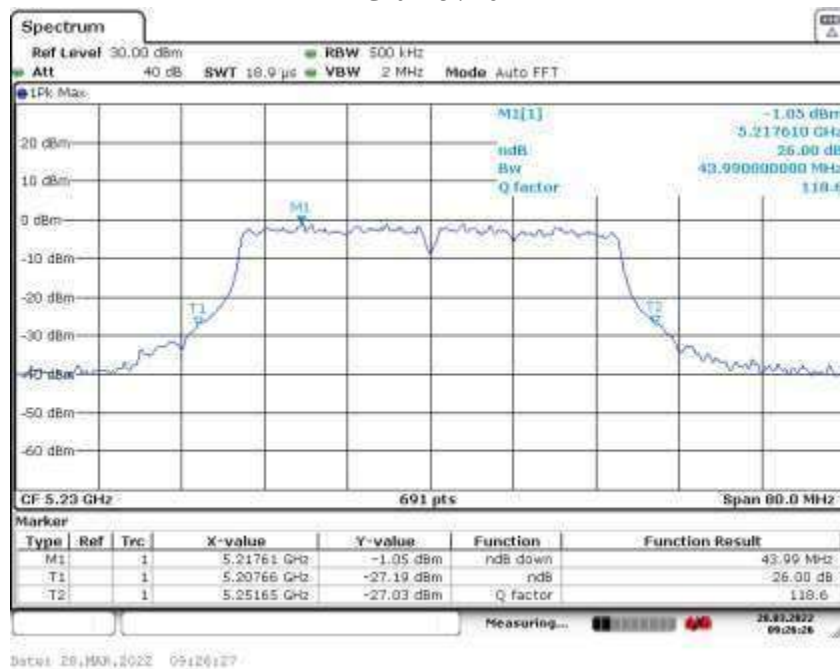


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11n40
Channel: 38

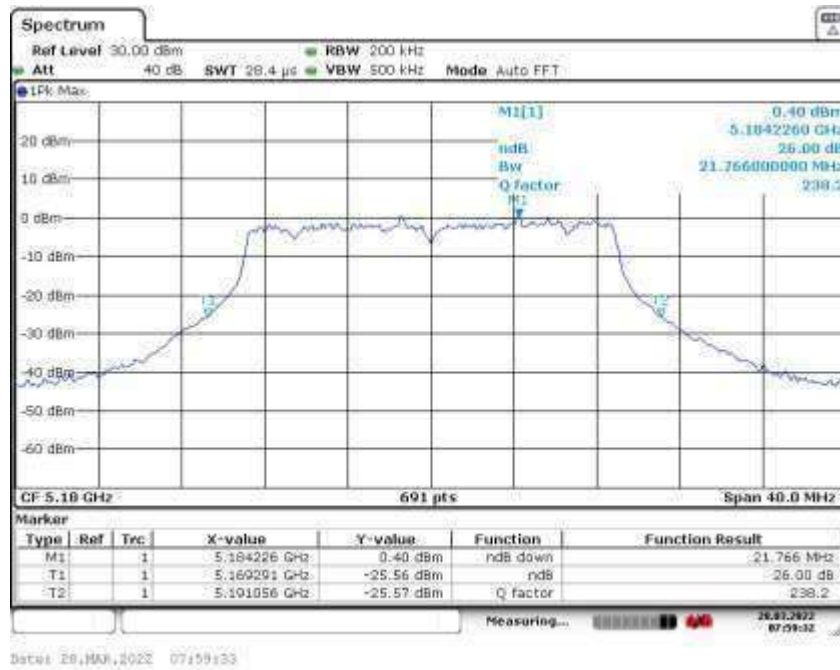


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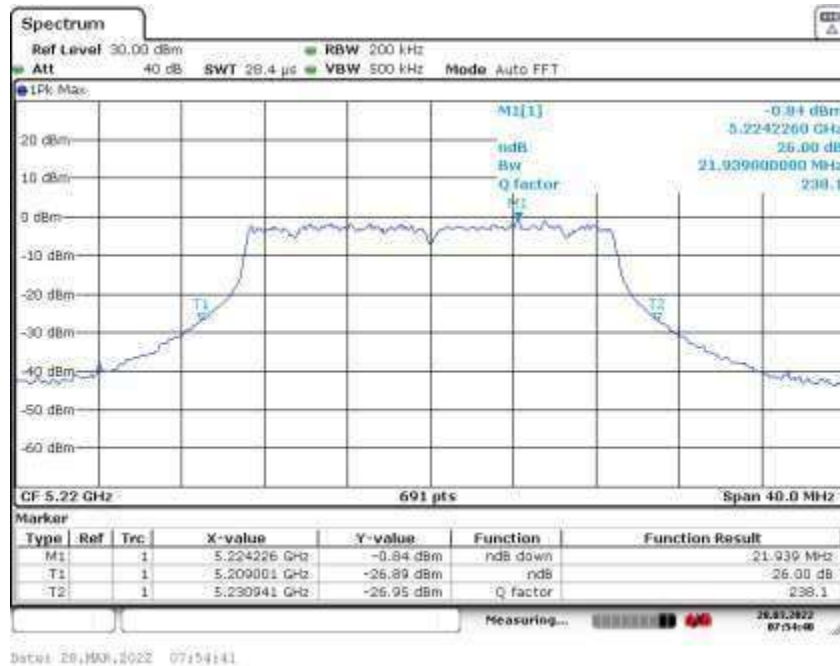


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac20
Channel: 36

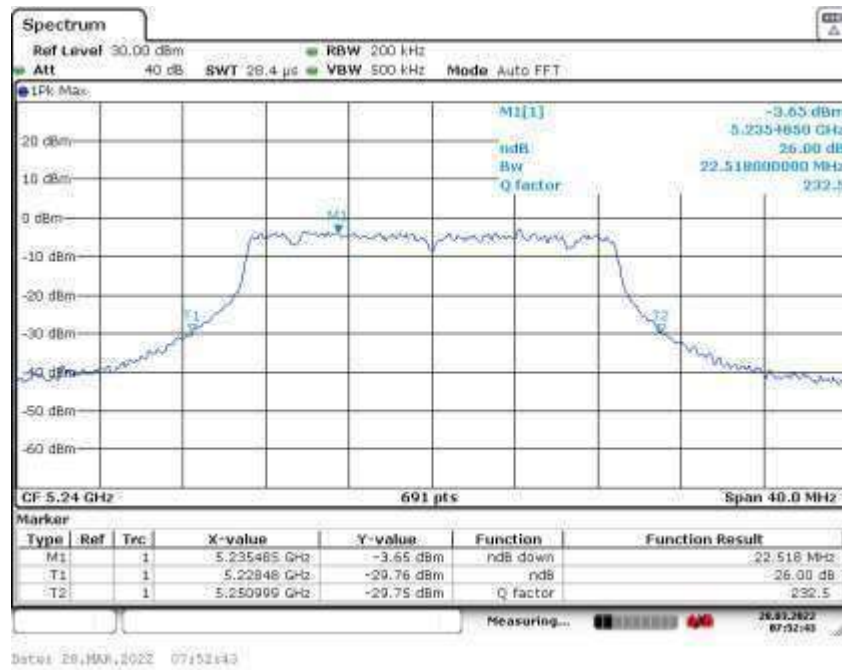


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Report No.: AAEMT/EMC/220321-01-05

Channel: 48

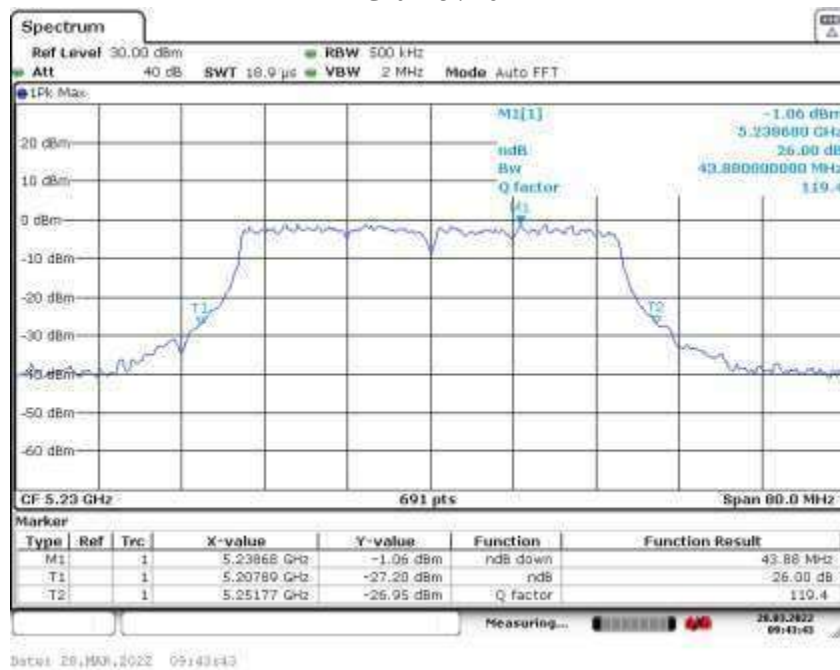


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac40
Channel: 38



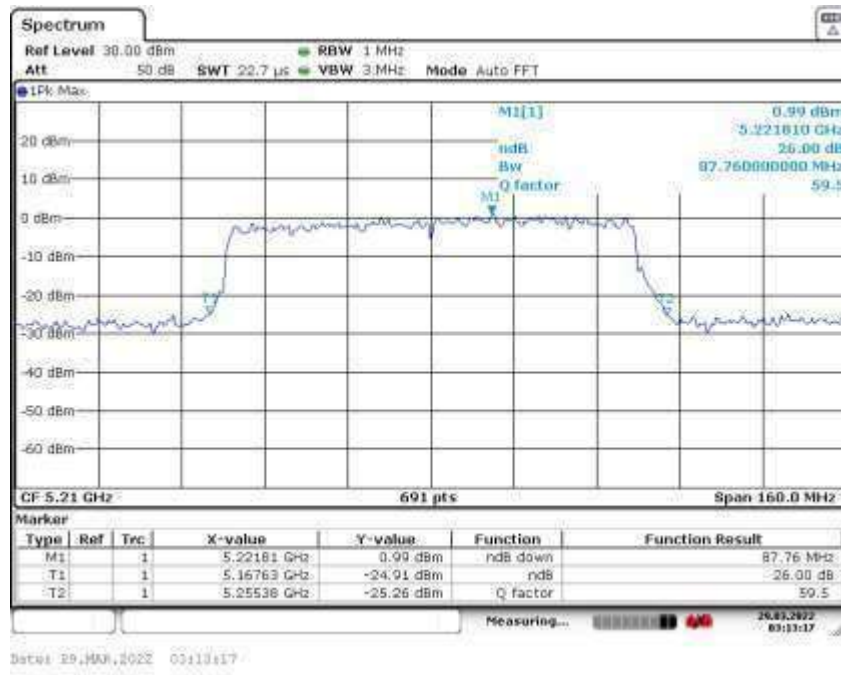
Channel: 46



Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac80

Channel: 42



Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ax20
Channel: 36



Channel: 44



Report No.: AAEMT/EMC/220321-01-05

Channel: 48



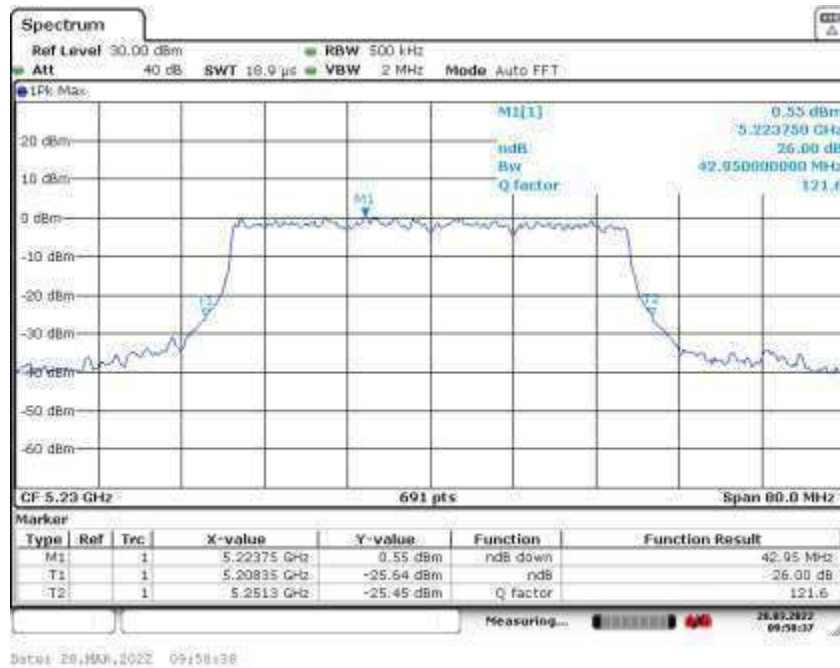
Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ax40

Channel: 38



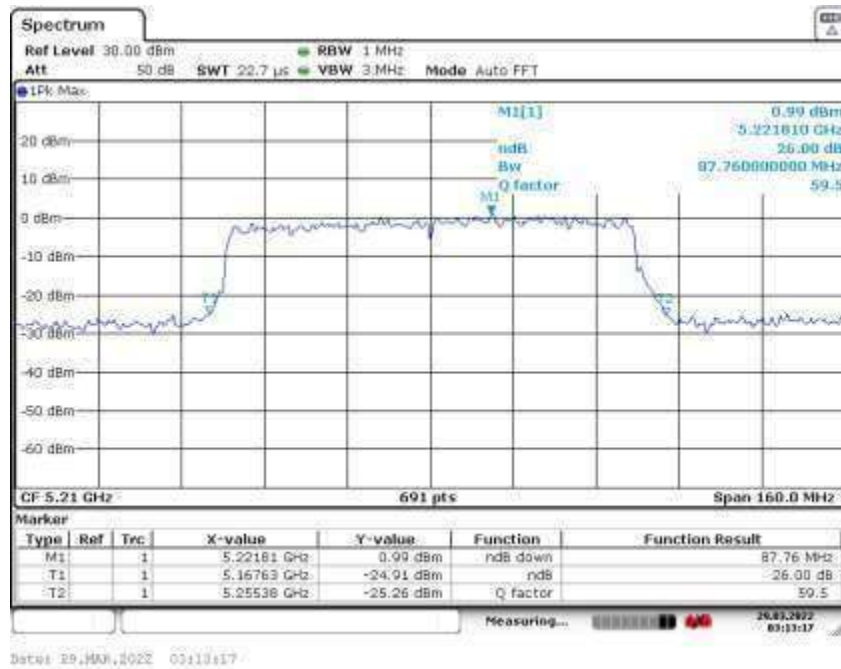
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Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ax80

Channel: 42

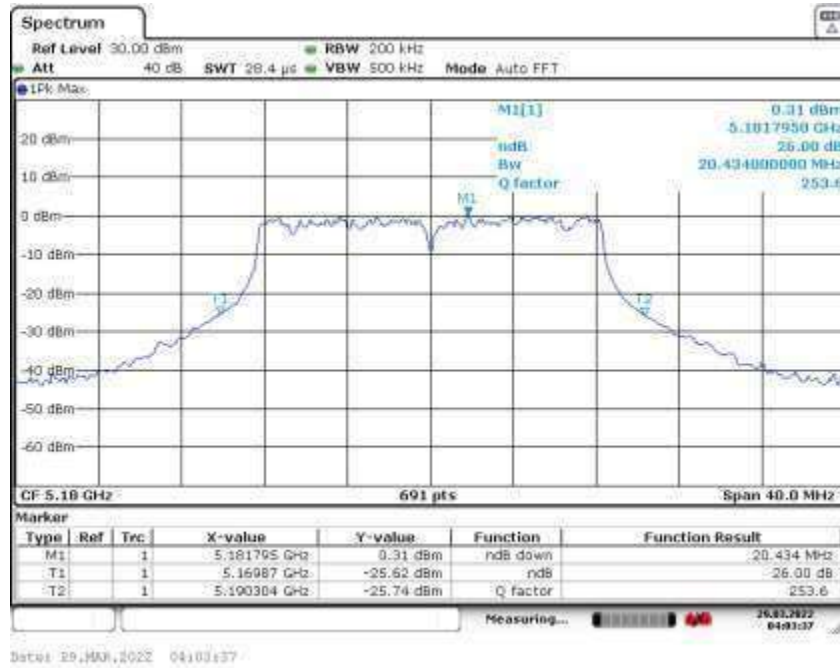


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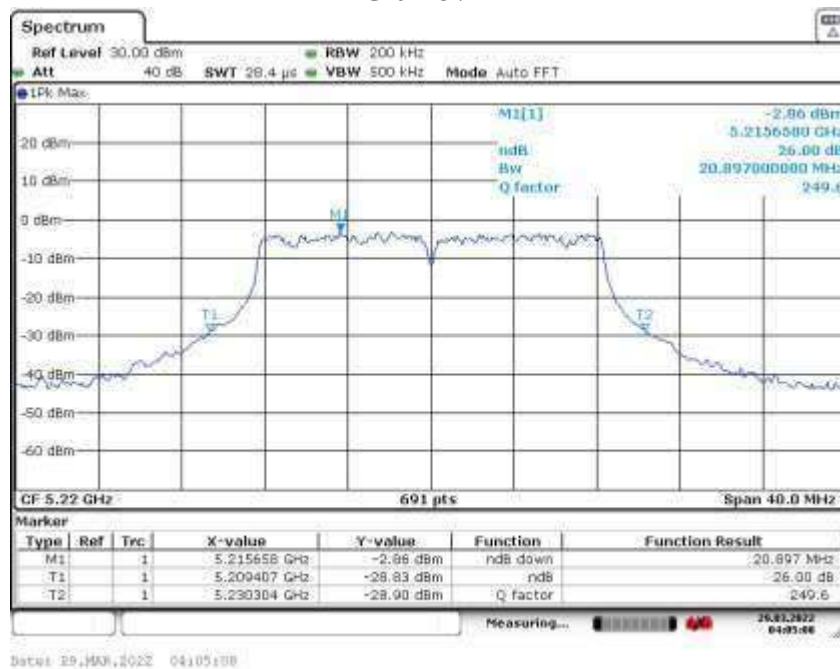
Test plots as followed: 5GS_1

26dB BW 802.11a

Channel: 36

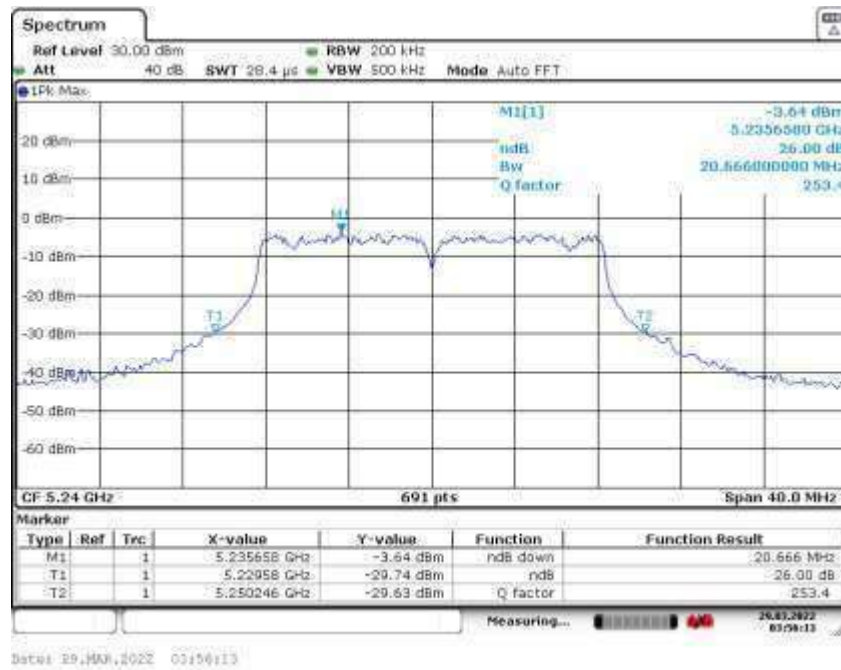


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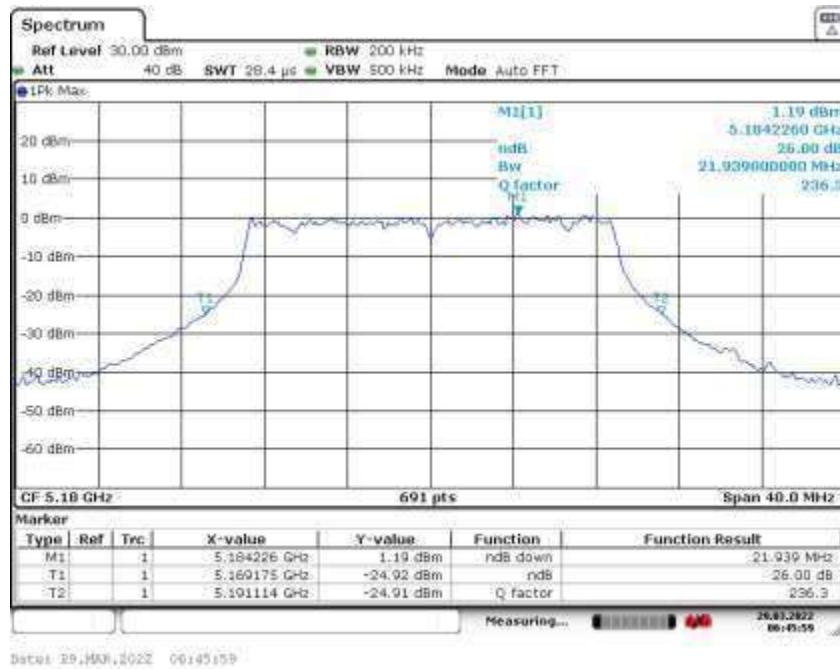
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

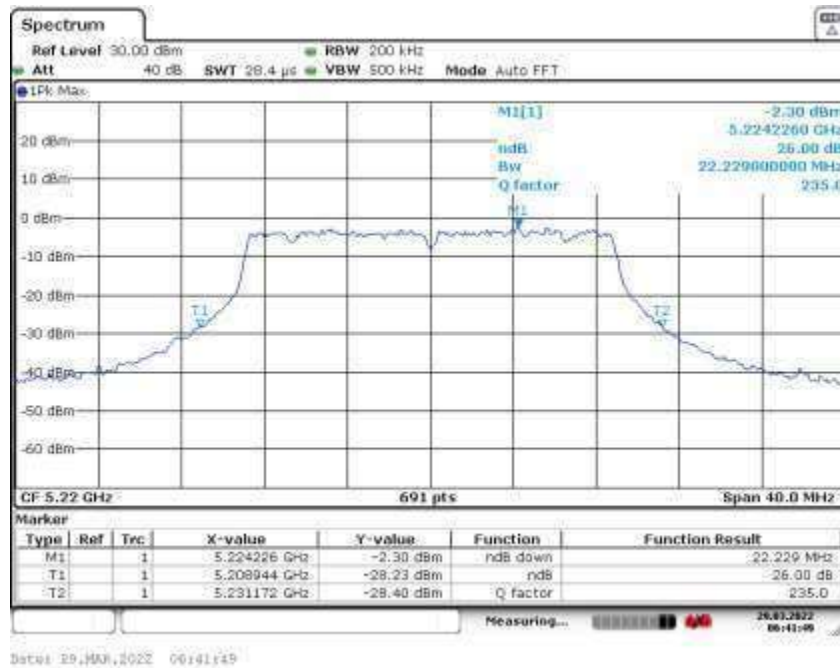


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11n20
Channel: 36

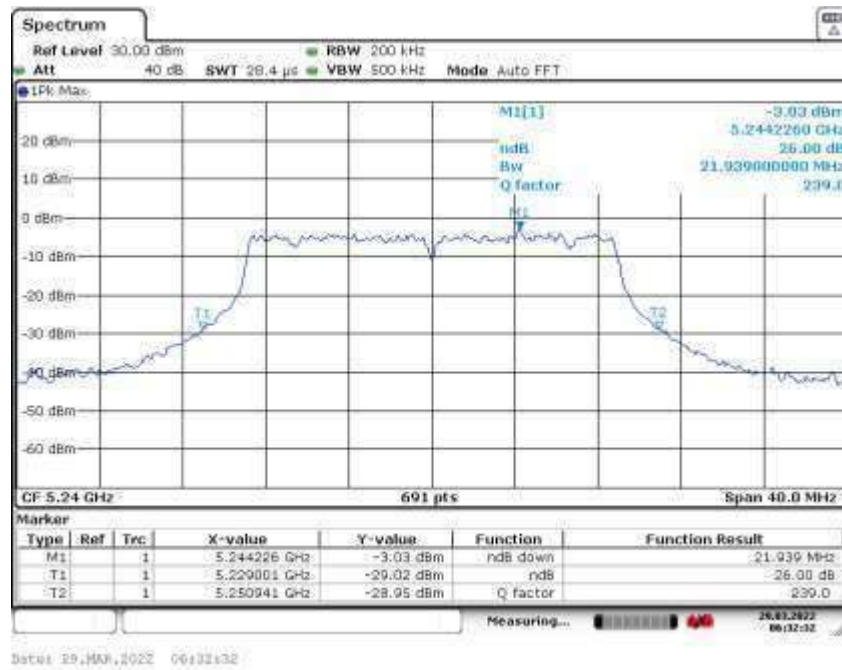


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Channel: 48

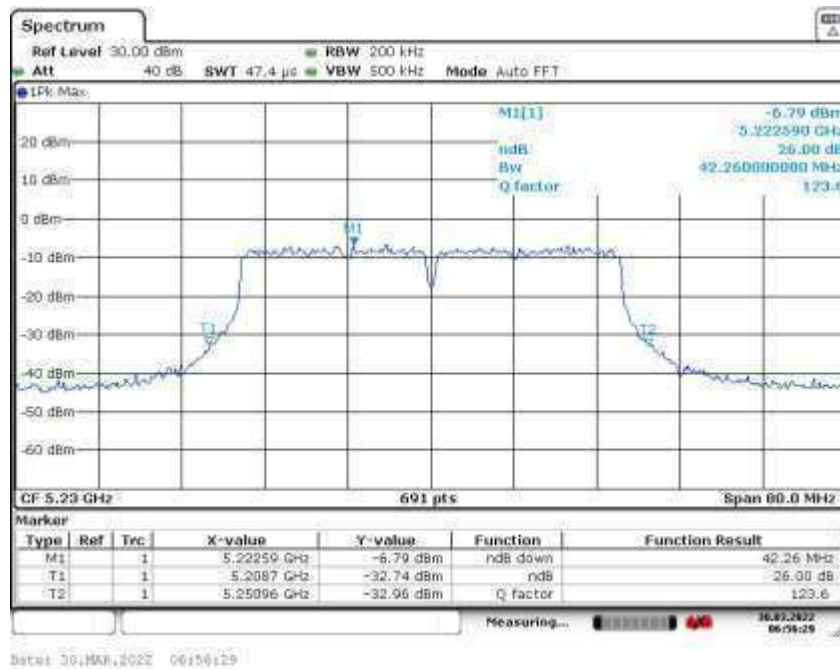


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11n40
Channel: 38

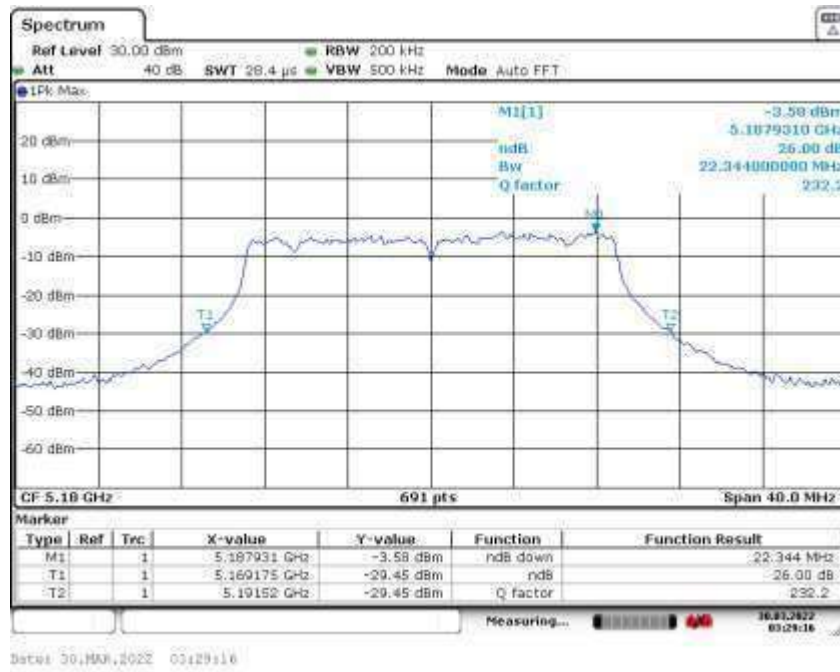


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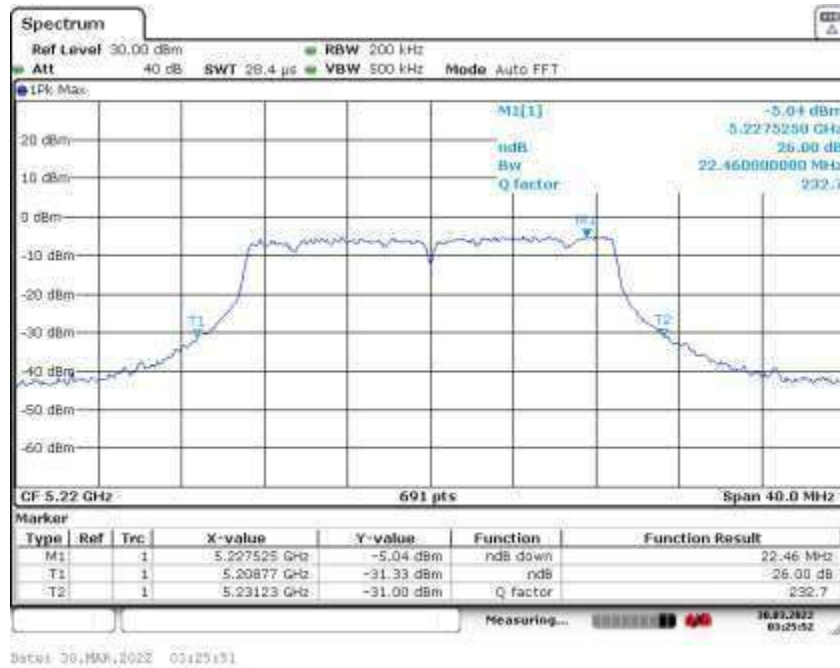


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac20
Channel: 36

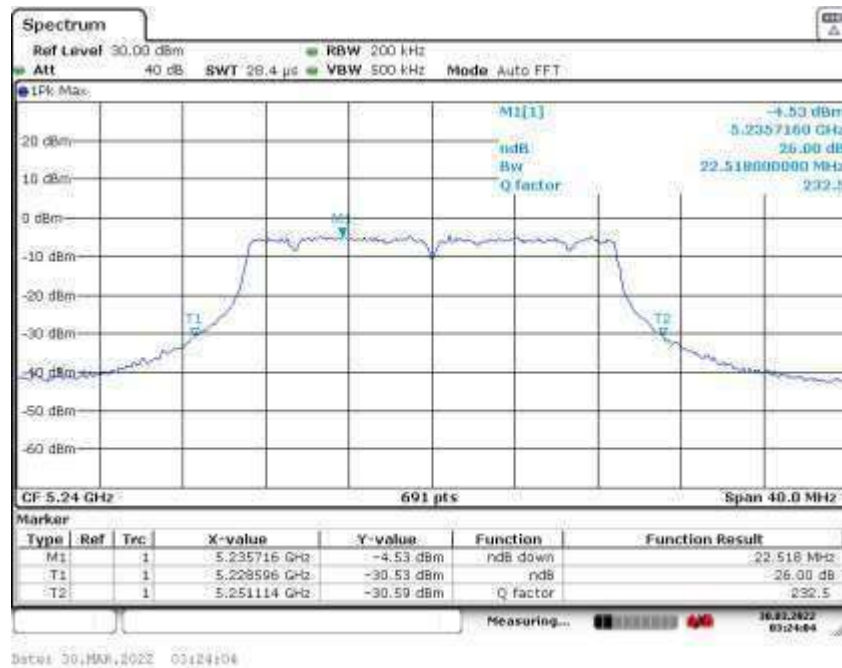


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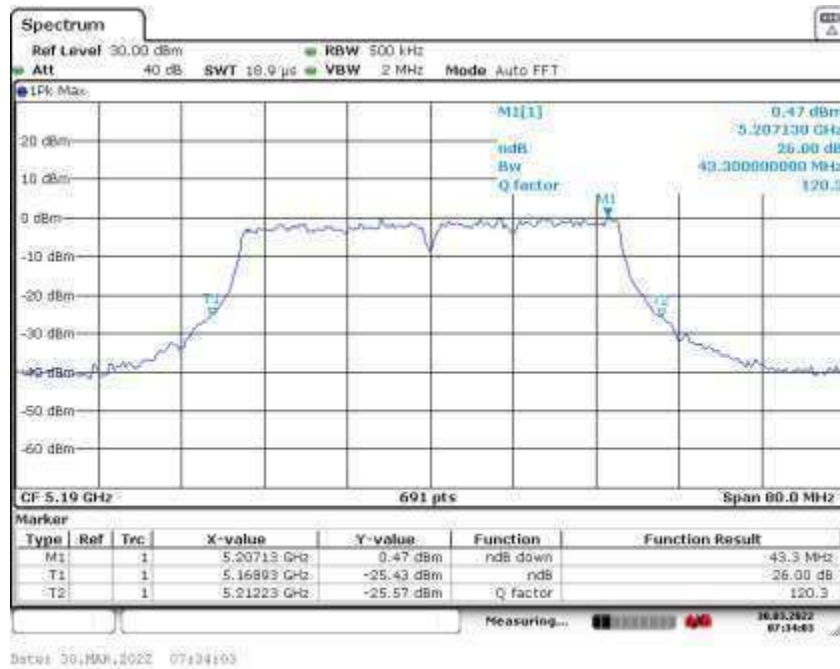
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Channel: 48

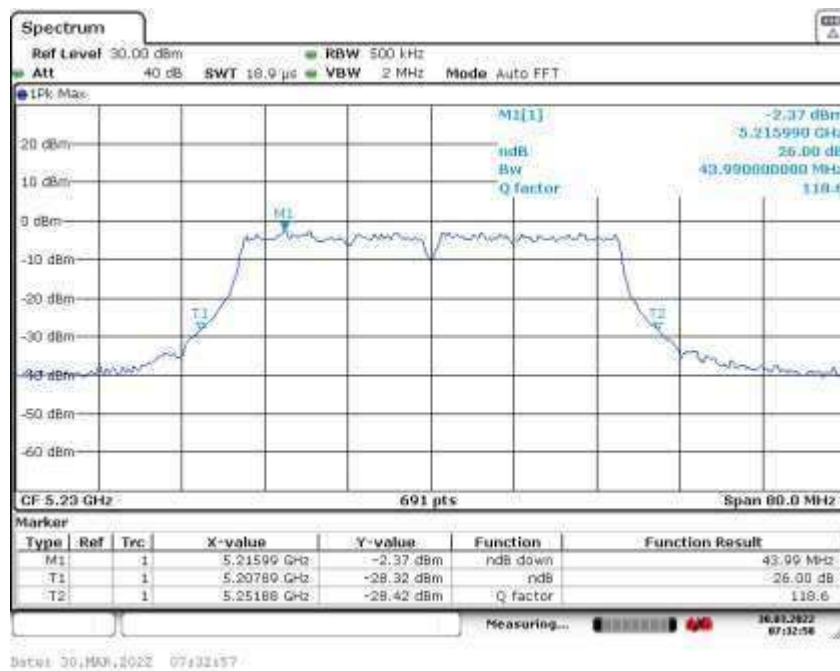


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac40
Channel: 38



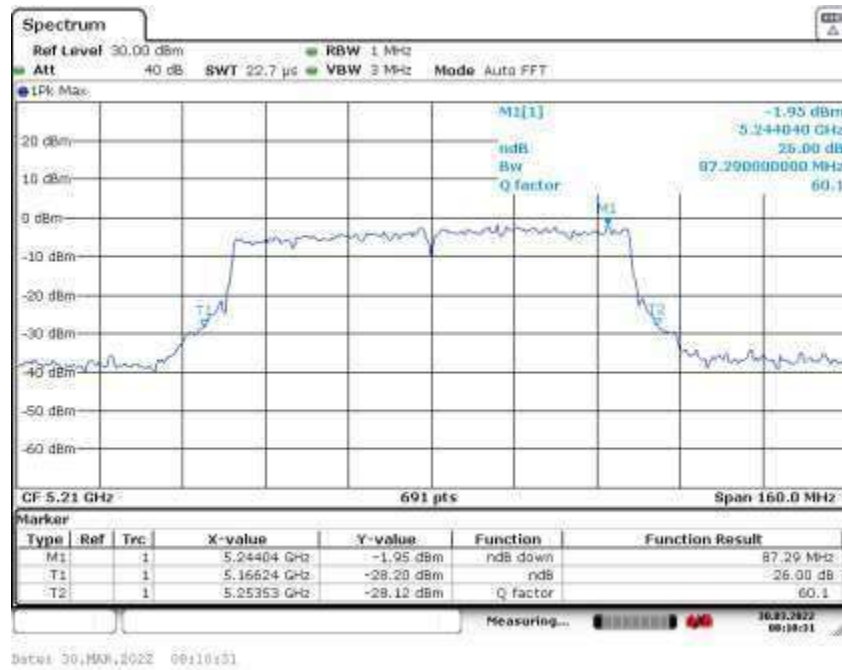
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Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac80

Channel: 42



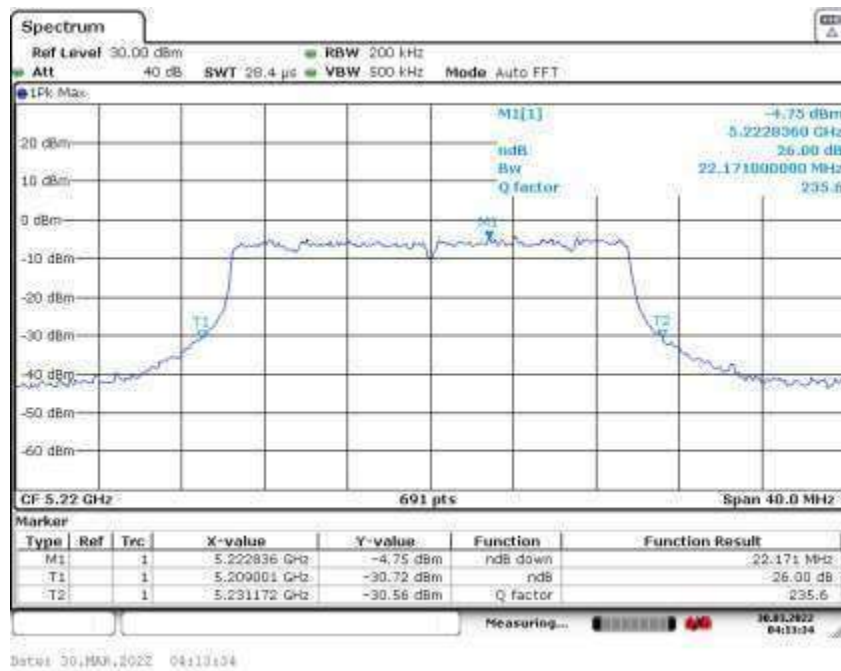
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26dB BW 802.11ax20

Channel: 36

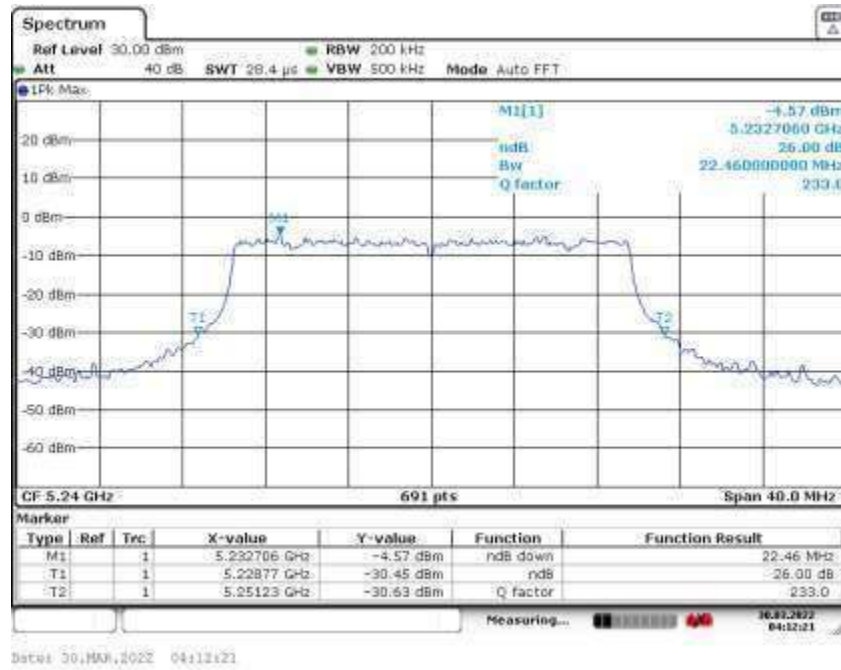


Channel: 44



Report No.: AAEMT/EMC/220321-01-05

Channel: 48



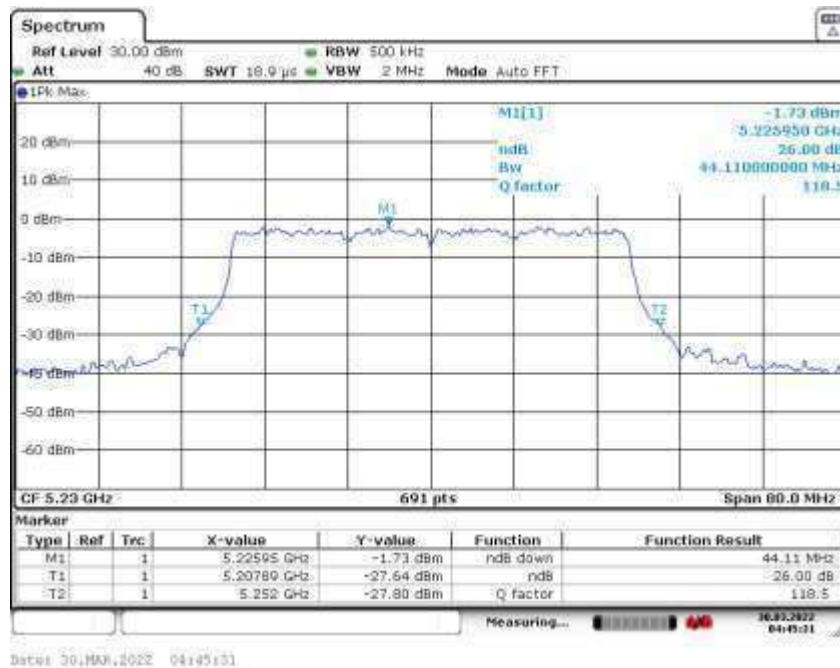
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26dB BW 802.11ax40

Channel: 38



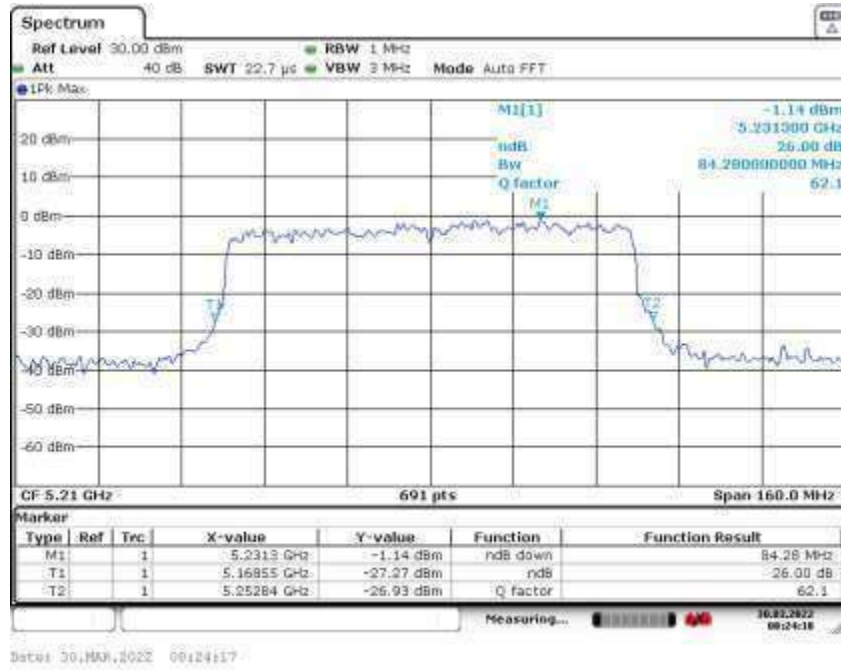
Channel: 46



Report No.: AAEMT/EMC/220321-01-05

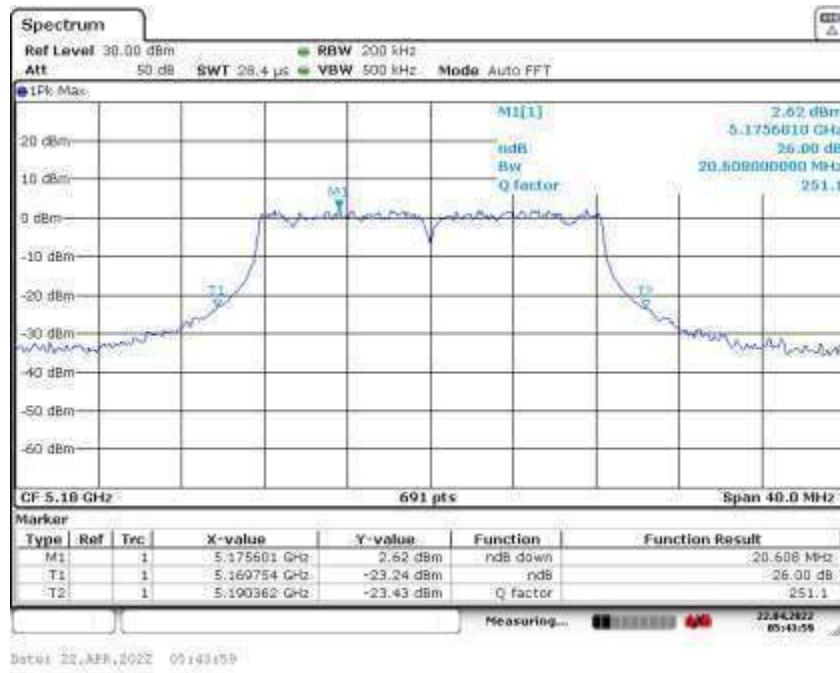
26dB BW 802.11ax80

Channel: 42

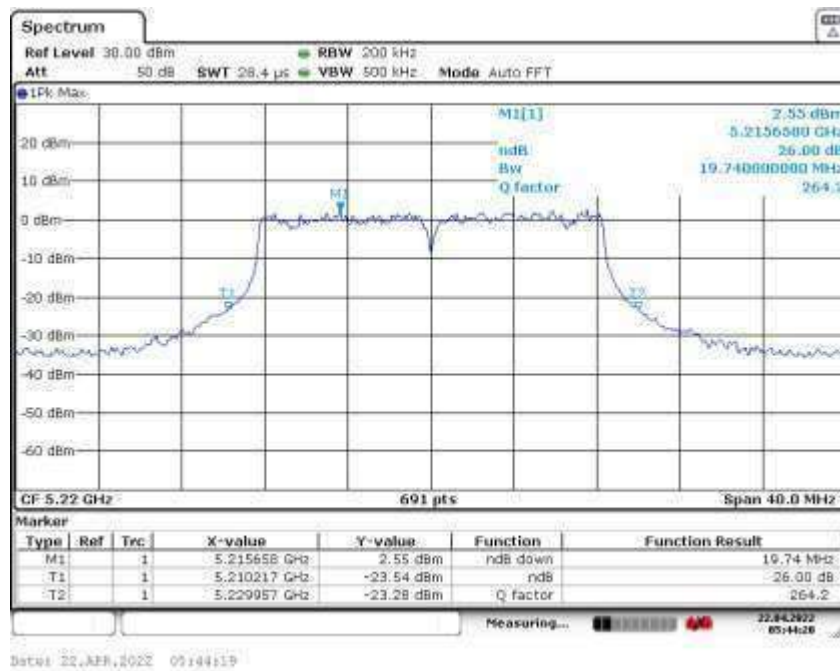


Test plots as followed: 5GS_2

26dB BW 802.11a
Channel: 36

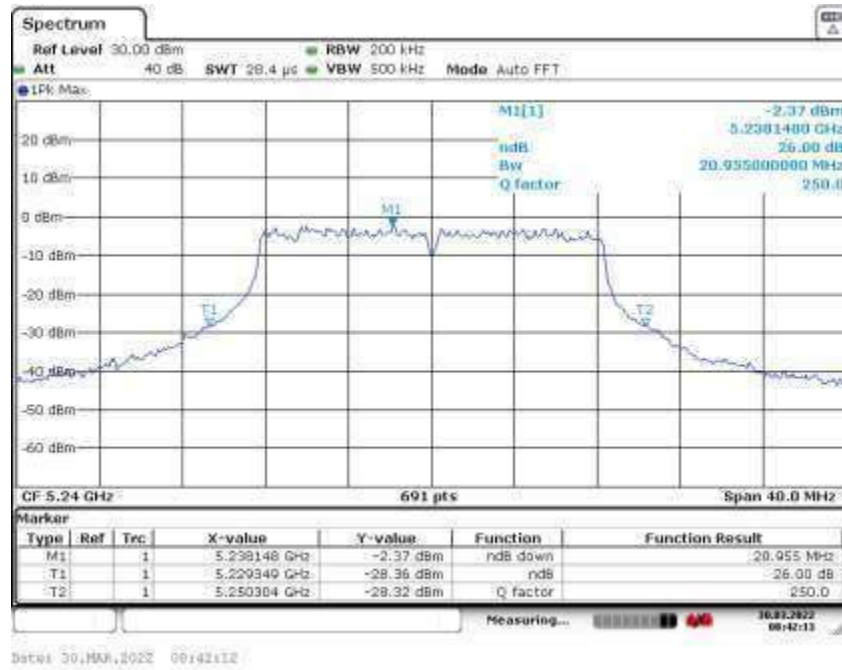


Channel: 44



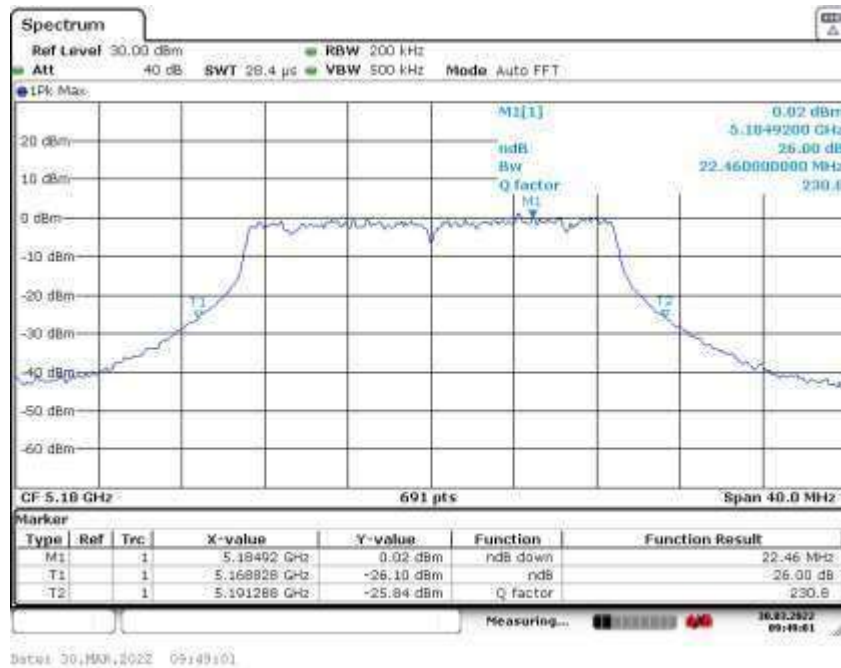
Report No.: AAEMT/EMC/220321-01-05

Channel: 48



Report No.: AAEMT/EMC/220321-01-05

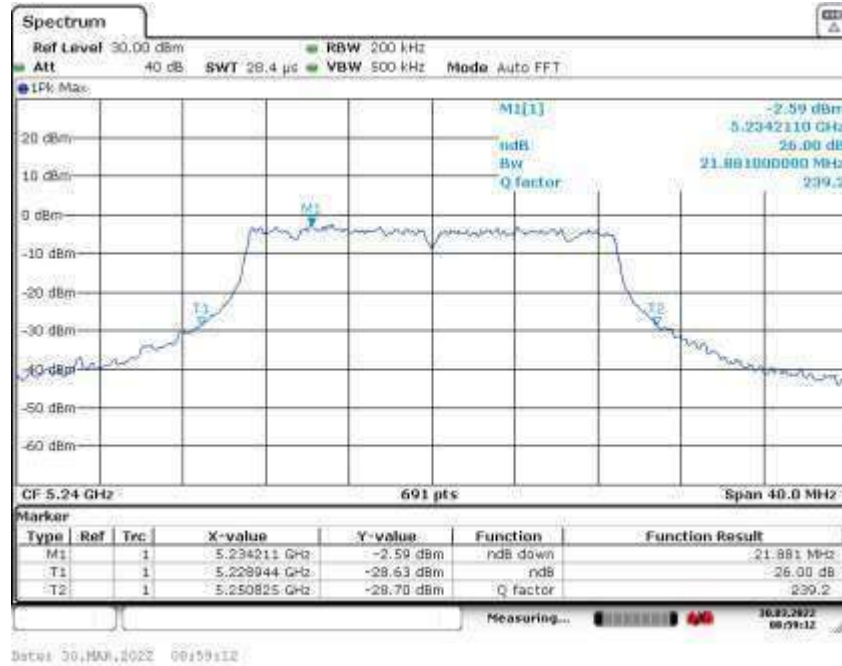
26dB BW 802.11n20
Channel: 36



Channel: 44



Channel: 48



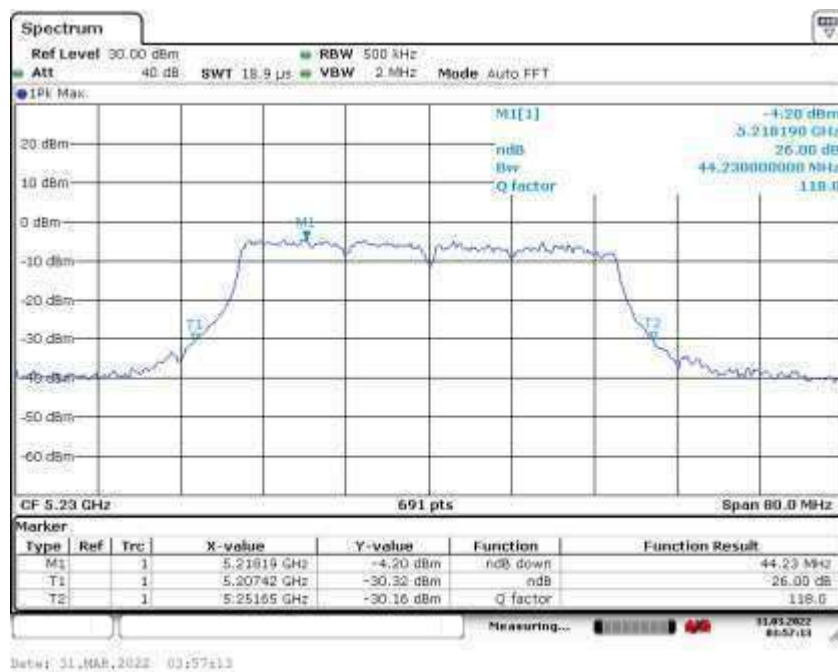
Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11n40

Channel: 38



Channel: 46



Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac20

Channel: 36

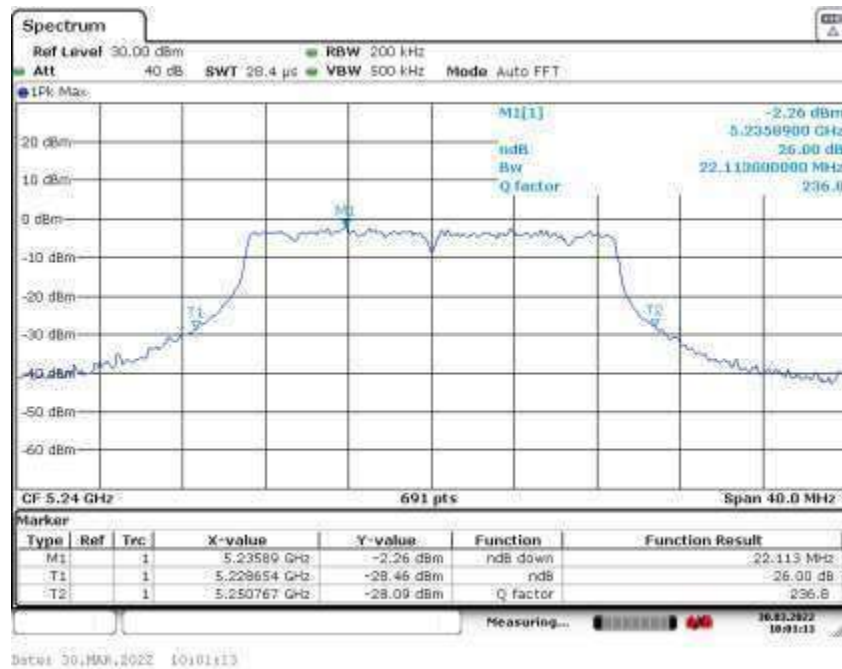


Channel: 44



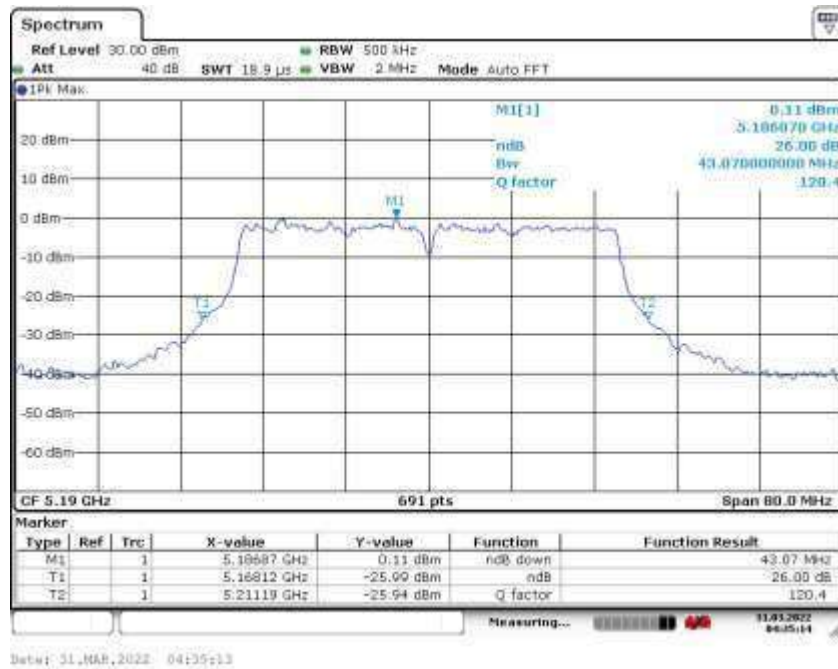
Report No.: AAEMT/EMC/220321-01-05

Channel: 48

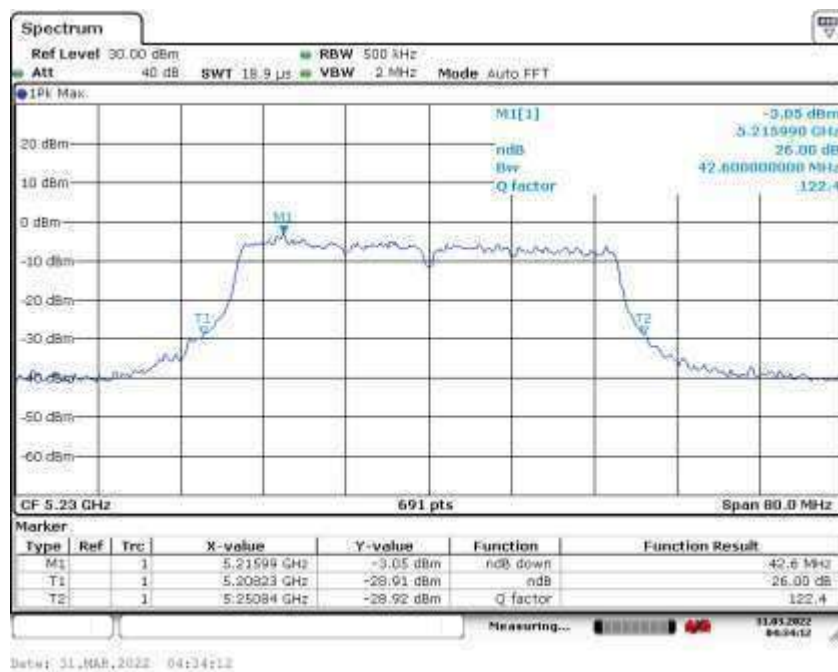


Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac40
Channel: 38



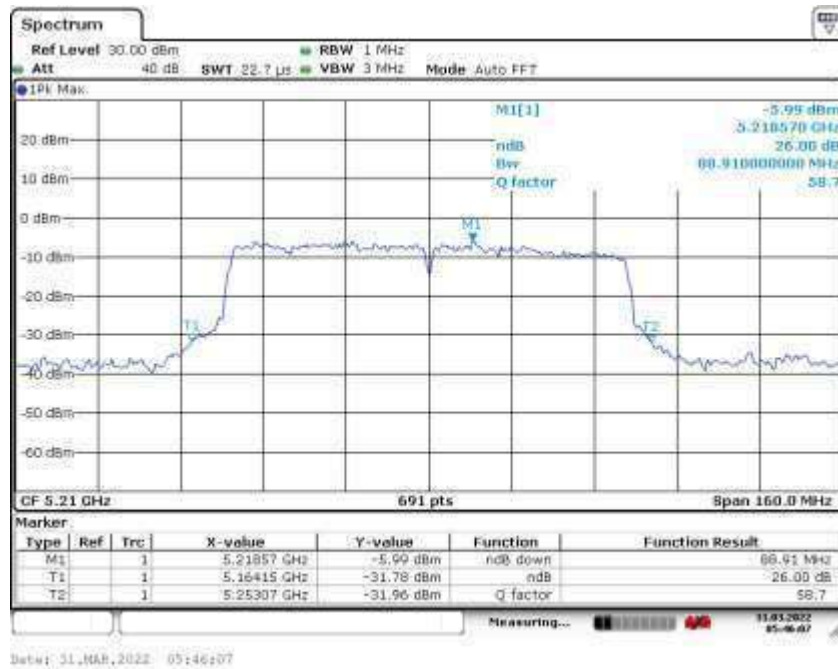
Channel: 46



Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ac80

Channel: 42



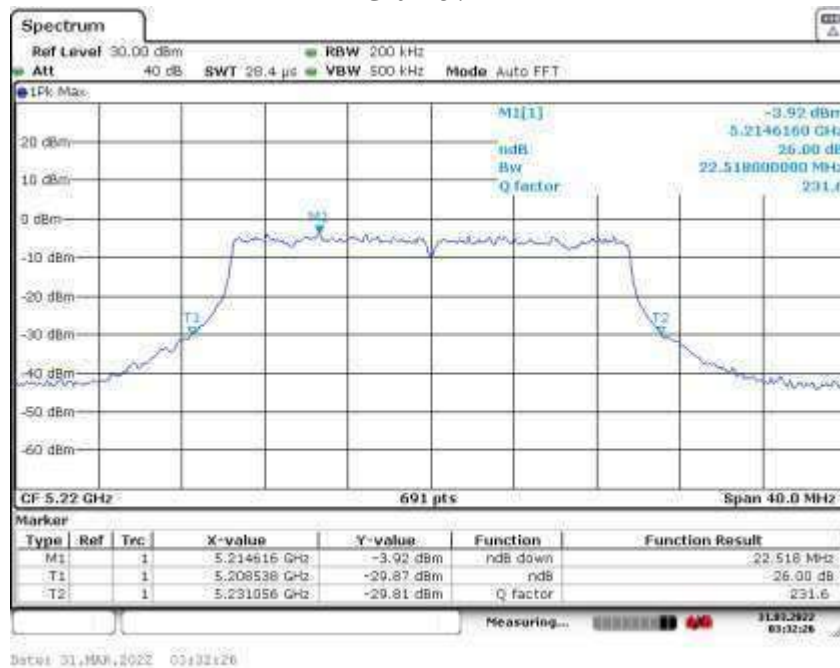
Report No.: AAEMT/EMC/220321-01-05

26dB BW 802.11ax20

Channel: 36



Channel: 44



Report No.: AAEMT/EMC/220321-01-05

Channel: 48

