

TEST REPORT

Product : PANEL PC
Trade mark : 
Model/Type reference : IOVU-210AD-RK39
Serial Number : /
Report Number : EED39N00008304
FCC ID : RFH-IOVU-210AD
Date of Issue : July 16,2021

Test Standards	Results
47 CFR Part 15 Subpart E	PASS

Prepared for:

IEI INTEGRATION CORP.**NO.29,ZHONGXING RD.,XIZHI DIST.,NEW TAIPEI CITY 22161,TAIWAN**

Prepared by:

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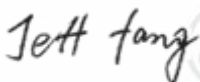
Compiled by:



Reviewed by:



Approved by:



Date:

July 16,2021

Check No.: 3915514199

Modification Record

No.	Last Report No.	Modification Description
1	EED39N00008304	First report
2	EED39N00008304	Second report

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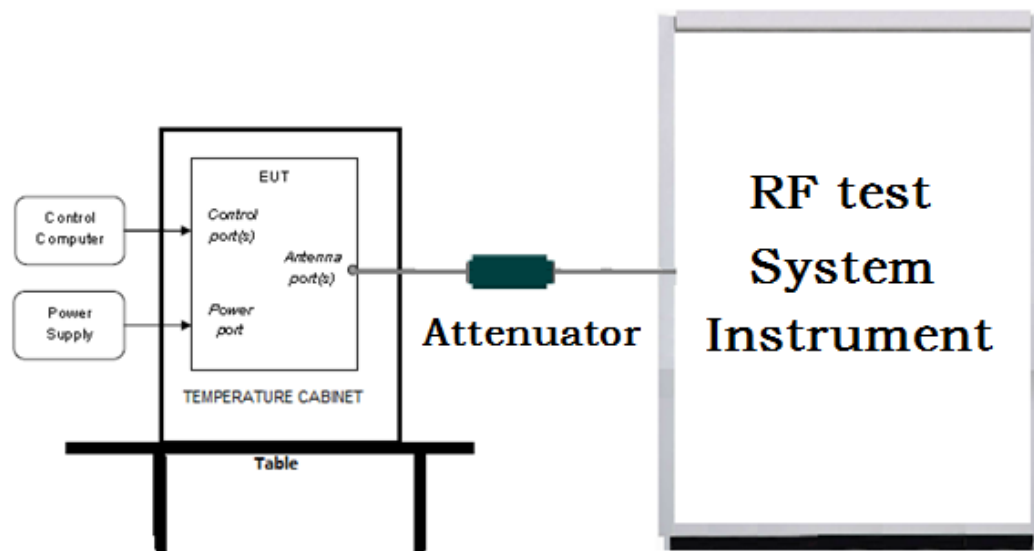
1 Test Summary

Test Item	Test Requirement	Test method	Result
26dB Emission Bandwidth	Part15E Section 15.407 (a)	ANSI C63.10-2013	PASS
Min 6dB emission bandwidth	Part15E Section 15.407 (e)	ANSI C63.10-2013	PASS
Occupied channel bandwidth	Part15E Section 15.407	ANSI C63.10-2013	PASS
Maximum Conduct Output Power	Part15E Section 15.407 (a)(1)(2)(4)(h)(1)	ANSI C63.10-2013	PASS
Power Spectral Density	Part15E Section 15.407 (a)(1)(2)(5)	ANSI C63.10-2013	PASS
Frequency stability	Part15E Section 15.407 (g)	ANSI C63.10-2013	PASS
Duty cycle	Part15E Section 15.407	ANSI C63.10-2013	/
Antenna Requirement	Part15C Section 15.203	ANSI C63.10-2013	PASS
Operation in the absence of information to the transmit	Part15E Section 15.407 (c)	47 CFR Part 15 Subpart E	PASS
AC Power Line Conducted Emission	Part15E Section 15.407 (b)(6)	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	Part15E Section 15.407 (b)(6)(7)(8)	ANSI C63.10-2013	PASS
Unwanted Emissions in the Restricted Bands	Part15E Section 15.407 (b)(6)(7)(8)	ANSI C63.10-2013	PASS
Unwanted Emissions that fall Outside of the Restricted Bands	Part15E Section 15.407 (b)(1)(2)(3)(5)	ANSI C63.10-2013	PASS

2 Test Requirement

2.1 Test setup

For Conducted test setup



Radiated Emissions setup:

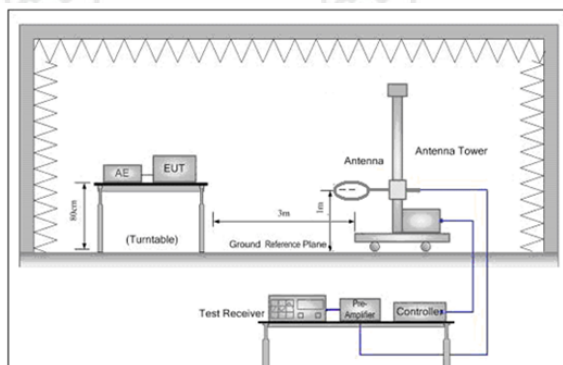


Figure 1. Below 30MHz

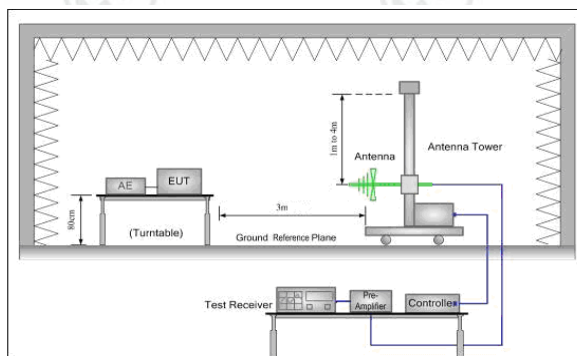


Figure 2. 30MHz to 1GHz

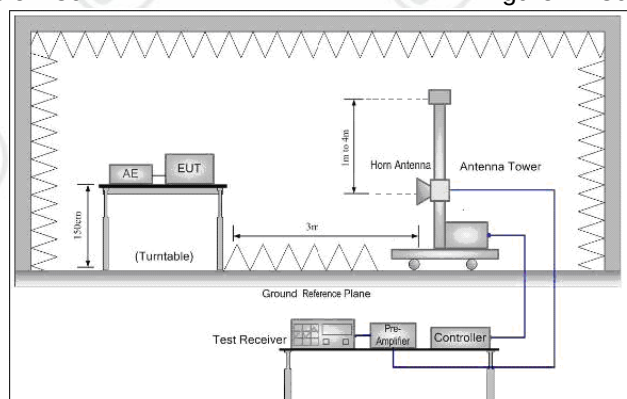
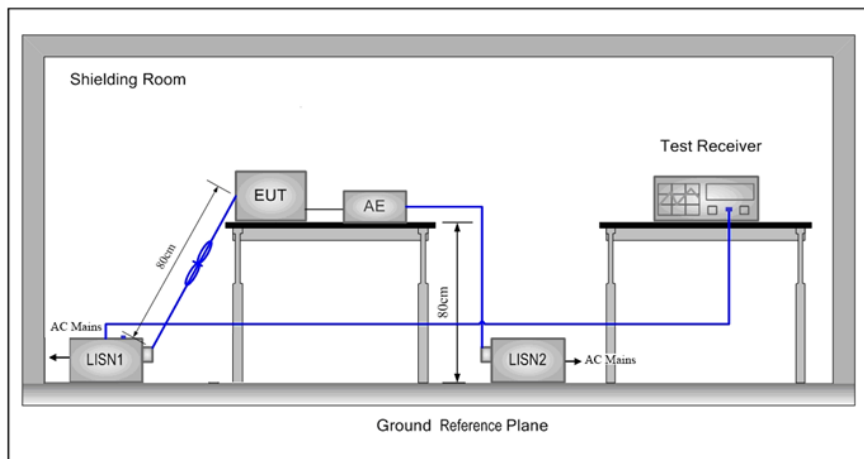


Figure 3. Above 1GHz

Conducted Emissions setup



2.2 Test Environment

Operating Environment:	
Temperature:	19.8°C
Humidity:	55 % RH
Atmospheric Pressure:	1019mbar

2.3 Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
802.11a/n/ac(20M)	5150MHz ~5250 MHz	Channel 36	Channel 40	Channel 48
		5180MHz	5200MHz	5240MHz
802.11a/n/ac(20M)	5250MHz ~5350 MHz	Channel 52	Channel 56	Channel 64
		5260MHz	5280MHz	5320MHz
802.11a/n/ac(20M)	5470MHz ~5725 MHz	Channel 100	Channel 116	Channel 140
		5500MHz	5580MHz	5700MHz
802.11a/n/ac(20M)	5725MHz ~5850 MHz	Channel 149	Channel 157	Channel 165
		5745MHz	5785MHz	5825MHz
802.11n/ac(40M)	5150MHz ~5250 MHz	Channel 38	N/A	Channel 46
		5190MHz	N/A	5230MHz
802.11n/ac(40M)	5250MHz ~5350 MHz	Channel 54	N/A	Channel 62
		5270MHz	N/A	5310MHz
802.11n/ac(40M)	5470MHz ~5725 MHz	Channel 102	Channel 110	Channel 134
		5510MHz	5550MHz	5670MHz
802.11n/ac(40M)	5725MHz ~5850 MHz	Channel 151	N/A	Channel 159
		5755MHz	N/A	5795MHz
802.11ac(80M)	5150MHz ~5250 MHz	N/A	Channel 42	N/A
		N/A	5210MHz	N/A
802.11ac(80M)	5250MHz ~5350 MHz	N/A	Channel 58	N/A
		N/A	5290MHz	N/A
802.11ac(80M)	5470MHz ~5725 MHz	Channel 106	N/A	Channel 122
		5530MHz	N/A	5610MHz
802.11ac(80M)	5725MHz ~5850 MHz	N/A	Channel 155	N/A
		N/A	5775MHz	N/A

3 General Information

3.1 Client Information

Applicant:	IEI INTEGRATION CORP.
Address of Applicant:	NO.29,ZHONGXING RD.,XIZHI DIST.,NEW TAIPEI CITY 22161,TAIWAN
Manufacturer:	IEI INTEGRATION CORP.
Address of Manufacturer:	NO.29,ZHONGXING RD.,XIZHI DIST.,NEW TAIPEI CITY 22161,TAIWAN
Factory:	Armorlink SH Corp.
Address of Factory:	No.515,Shenfu Rd,Xinzhuang Industrial Development Zone,Minhang District,Shanghai,P.R.China

3.2 General Description of EUT

Product Name:	PANEL PC
Model No.(EUT):	IOVU-210AD-RK39
Trade Mark:	 IEI Integration Corp.
EUT Supports Radios application:	2.4G WIFI: IEEE802.11b/g/n(20MHz), 2412MHz-2462MHz 5G WIFI: IEEE802.11a/ac(HT20)/ac(HT40)/ac(HT80),5150-5350MHz,5470-5725MHz, 5725-5850MHz. Bluetooth BR+EDR& Bluetooth V4.1 BLE NFC13.56MHz
Power Supply:	Model No: FSP060-DHAN3 Input: AC100-240V 1.8A, 50/60Hz Output: DC 12V 5.0A
Sample Received Date:	Feb 09, 2021
Sample tested Date:	Feb 09,2021 to July 12, 2021

3.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11a/n/ac(20M): 5150MHz ~5250 MHz IEEE 802.11a/n/ac(20M): 5250MHz ~5350 MHz IEEE802.11a/n/ac(20M): 5470MHz ~5725 MHz IEEE802.11a/n/ac(20M): 5725MHz ~5850 MHz IEEE802.11n/ac(40M) 5150MHz ~5250 MHz IEEE802.11n/ac(40M) 5250MHz ~5350 MHz IEEE802.11n/ac(40M) 5470MHz ~5725 MHz IEEE802.11n/ac(40M): 5725MHz ~5850 MHz IEEE802.11n/ac(80M) 5150MHz ~5250 MHz IEEE802.11n/ac(80M) 5250MHz ~5350 MHz IEEE802.11n/ac(80M) 5470MHz ~5725 MHz IEEE802.11n/ac(80M): 5725MHz ~5850 MHz
Channel Numbers:	IEEE 802.11a/n/ac(20M): 5150MHz ~5250 MHz/ 4 channel IEEE 802.11a/n/ac(20M): 5250MHz ~5350 MHz/ 4 channel IEEE 802.11a/n/ac(20M): 5470MHz ~5725 MHz/ 11 channel IEEE 802.11a/n/ac(20M): 5725MHz ~5850 MHz/ 5 channel IEEE 802.11n/ac(40M): 5150MHz ~5250 MHz/ 2 channel IEEE 802.11n/ac(40M): 5250MHz ~5350 MHz/ 2 channel IEEE 802.11n/ac(40M): 5470MHz ~5725 MHz/ 5 channel IEEE 802.11n/ac(40M): 5725MHz ~5850 MHz/ 2 channel EEE 802.11n/ac(80M): 5150MHz ~5250 MHz/ 1 channel IEEE 802.11n/ac(80M): 5250MHz ~5350 MHz/ 1 channel IEEE 802.11n/ac(80M): 5470MHz ~5725 MHz/ 2 channel IEEE 802.11n/ac(80M): 5725MHz ~5850 MHz/ 1 channel
Type of Modulation:	OFDM, DSSS
Device -TPC type:	Without TPC mechanism
Sample Type:	Mobile production
Test Software of EUT:	AMPK TOOL (manufacturer declare)
Antenna Type :	Type: FPC antenna
Antenna Type and Gain ^① :	ANT1 Gain for 5G :3.68dBi ANT2 Gain for 5G: 3.95dBi
Test Voltage:	AC120V/60Hz

Note: 1 The antenna gain is provided by the client and we Centre Testing International (Suzhou) CO., LTD. test lab is not responsible for the accuracy of the antenna gain information.

3.4 Test Location

All test facilities used to collect the test data are located at Building 18, Zhihui New Town Ecological Industrial Park, No. 1206, Jinyang East Road, Lujia Town, Kunshan, Jiangsu, China.

3.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No. 5734.01

Centre Testing International (Suzhou) CO., LTD. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration. Laboratories and any additional program requirements in the identified field of testing.

FCC-Designation No.:CN1290

Centre Testing International Group Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The American association for Centre Testing International Group Co., Ltd. EMC laboratory accreditation Designation No.:CN1290

3.6 Deviation from Standards

None.

3.7 Abnormalities from Standard Conditions

None.

3.8 Other Information Requested by the Customer

None.

3.9 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	Occupied Bandwidth	0.56%
3	RF Power conducted	0.59 dB
4	Power Spectral Density, conducted	2.37 dB
5	Unwanted Emission, conducted	2.68 dB
6	All Emission, radiated	4.41 dB(30MHz-1GHz)
		4.99 dB(1GHz-18GHz)
		5.307 dB(18GHz-40GHz)
7	Temperature test	0.54°C
8	Humidity test	1.62%
9	DC and low frequency voltages test	1.14%

4 Equipment List

RF test system					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Signal Generator	R&S	SMB100A	182002	2020-10-23	2021-10-22
Communication test set test set	R&S	CMW500	107929	2020-04-27	2021-04-26
Spectrum Analyzer	R&S	FSV40	101588	2020-10-23	2021-10-22
Vector signal generator	R&S	SMBV100B	101985	2020-10-23	2021-10-22
Temperature/ Humidity Indicator	testo	608-H1	1945222628	2020-12-10	2021-11-08
Switch Automatic control	R&S	OSP-B157W8	101111	2020-10-23	2021-10-22
High-low temperature chamber	GIANT FORCE	GTH-800-40-CP	MAA1908-003	2020-12-08	2021-12-07
Automatic test software	Shenzhen JS TONSCEND	/	V2.6.77.0518	/	/

966 Semi-anechoic Chamber					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Receiver	R&S	ESU8	100537	2020-12-10	2021-12-09
Spectrum analyzer	R&S	FSV40	101185	2020-12-10	2021-12-09
Preamplifier (30MHz~1GHz)	SONOMA	317	393347	2020-12-04	2021-12-03
Preamplifier (1GHz~18GHz)	R&S	SCU-18D	1987397	2020-12-10	2021-12-09
Preamplifier (18GHz~40GHz)	/	MTLNA1804003 0235	12009007	2020-10-23	2021-10-22
Loop Antenna (9kHz~30MHz)	TESEQ	HLA6121	54575	2021-02-27	2021-02-26
Antenna (30MHz~1GHz)	SCHWARZBEC K	VULB9163	9163-965	2020-10-16	2021-10-15
Antenna (1GHz~18GHz)	R&S	HF907	102524	2020-12-15	2021-12-14
Antenna (18GHz~40GHz)	R&S	BBHA9170	1032	2020-10-23	2021-10-22
Band rejection filter	Xi'an xingbo	XBLBQ-DZA81	200827-1-02	/	/
Band rejection filter	Xi'an xingbo	XBLBQ-DZA104	200827-1-11	/	/
Band rejection filter	Xi'an xingbo	XBLBQ-DZA118	200827-1-10	/	/
Band rejection filter	Xi'an xingbo	XBLBQ-DZA105	200827-1-12	/	/

5 Radio Technical Requirements Specification

5.1 Reference Documents for Testing

No.	Identity	Document Title
1	FCC Part15E	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
3	KDB789033 D02 General UNII Test Procedures New Rules v01	Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) device part 15 subpart E

5.2 Test Results List

Test Requirement	Test method	Test item	Verdict	Note
Part15E Section 15.407 (a)	ANSI C63.10-2013	26dB Emission Bandwidth	PASS	Appendix A)
Part15E Section 15.407 (e)	ANSI C63.10-2013	Min 6dB emission bandwidth	PASS	Appendix B)
Part15E Section 15.407	ANSI C63.10-2013	Occupied channel bandwidth	/	Appendix C)
Part15E Section 15.407 (a)(1)(2)(4)(h)(1)	ANSI C63.10-2013	Maximum Conduct Output Power	PASS	Appendix D)
Part15E Section 15.407 (a)(1)(2)(5)	ANSI C63.10-2013	Power Spectral Density	PASS	Appendix E)
Part15E Section 15.407 (g)	ANSI C63.10-2013	Frequency stability	PASS	Appendix F)
Part15E Section 15.407	ANSI C63.10-2013	Duty cycle	/	Appendix G)
Part15C Section 15.203	ANSI C63.10-2013	Antenna Requirement	PASS	Appendix H)
Part15E Section 15.407 (c)	47 CFR Part 15 Subpart E	Operation in the absence of information to the transmit	PASS	Appendix I)
Part15E Section 15.407 (b)(6)	ANSI C63.10-2013	AC Power Line Conducted Emission	PASS	Appendix J)
Part15E Section 15.407 (b)(6)(7)(8)	ANSI C63.10-2013	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix K)
Part15E Section 15.407 (b)(6)(7)(8)	ANSI C63.10-2013	Unwanted Emissions in the Restricted Bands	PASS	Appendix L)
Part15E Section 15.407 (b)(1)(2)(3)(5)	ANSI C63.10-2013	Unwanted Emissions that fall Outside of the Restricted Bands	PASS	Appendix M)

Appendix A): 26dB Emission Bandwidth

Result Table:

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.720	5169.120	5190.840	---	PASS
	Ant2	5180	21.600	5169.120	5190.720	---	PASS
	Ant1	5200	21.600	5189.120	5210.720	---	PASS
	Ant2	5200	21.680	5188.960	5210.640	---	PASS
	Ant1	5240	21.640	5229.080	5250.720	---	PASS
	Ant2	5240	21.720	5229.040	5250.760	---	PASS
	Ant1	5260	21.720	5249.080	5270.800	---	PASS
	Ant2	5260	21.680	5249.080	5270.760	---	PASS
	Ant1	5280	21.560	5269.160	5290.720	---	PASS
	Ant2	5280	21.720	5268.960	5290.680	---	PASS
	Ant1	5320	21.680	5309.080	5330.760	---	PASS
	Ant2	5320	21.640	5309.120	5330.760	---	PASS
	Ant1	5500	21.600	5489.080	5510.680	---	PASS
	Ant2	5500	21.680	5489.040	5510.720	---	PASS
	Ant1	5580	21.720	5569.000	5590.720	---	PASS
	Ant2	5580	21.600	5569.080	5590.680	---	PASS
	Ant1	5700	21.600	5689.000	5710.600	---	PASS
	Ant2	5700	21.520	5689.080	5710.600	---	PASS
	Ant1	5745	21.560	5734.000	5755.560	---	PASS
	Ant2	5745	21.480	5734.120	5755.600	---	PASS
	Ant1	5785	21.480	5774.120	5795.600	---	PASS
	Ant2	5785	21.600	5774.040	5795.640	---	PASS
	Ant1	5825	21.600	5813.960	5835.560	---	PASS
	Ant2	5825	21.440	5814.080	5835.520	---	PASS
11N20SISO	Ant1	5180	21.960	5168.920	5190.880	---	PASS
	Ant2	5180	21.840	5169.000	5190.840	---	PASS
	Ant1	5200	21.760	5189.000	5210.760	---	PASS
	Ant2	5200	21.800	5188.920	5210.720	---	PASS
	Ant1	5240	21.920	5228.920	5250.840	---	PASS
	Ant2	5240	22.040	5228.920	5250.960	---	PASS
	Ant1	5260	21.840	5248.920	5270.760	---	PASS
	Ant2	5260	21.720	5249.200	5270.920	---	PASS

	Ant1	5280	21.840	5269.040	5290.880	---	PASS
	Ant2	5280	22.000	5268.840	5290.840	---	PASS
	Ant1	5320	21.880	5308.920	5330.800	---	PASS
	Ant2	5320	21.880	5309.040	5330.920	---	PASS
	Ant1	5500	21.840	5488.920	5510.760	---	PASS
	Ant2	5500	21.840	5488.920	5510.760	---	PASS
	Ant1	5580	21.840	5569.040	5590.880	---	PASS
	Ant2	5580	21.680	5569.000	5590.680	---	PASS
	Ant1	5700	21.720	5689.000	5710.720	---	PASS
	Ant2	5700	21.920	5688.880	5710.800	---	PASS
	Ant1	5745	21.920	5733.880	5755.800	---	PASS
	Ant2	5745	21.880	5733.960	5755.840	---	PASS
	Ant1	5785	21.680	5774.000	5795.680	---	PASS
	Ant2	5785	21.720	5773.960	5795.680	---	PASS
	Ant1	5825	21.720	5814.000	5835.720	---	PASS
	Ant2	5825	21.720	5813.960	5835.680	---	PASS
11N40SISO	Ant1	5190	40.720	5169.680	5210.400	---	PASS
	Ant2	5190	40.720	5169.520	5210.240	---	PASS
	Ant1	5230	40.400	5209.680	5250.080	---	PASS
	Ant2	5230	41.040	5209.360	5250.400	---	PASS
	Ant1	5270	40.720	5249.680	5290.400	---	PASS
	Ant2	5270	40.720	5249.680	5290.400	---	PASS
	Ant1	5310	40.480	5289.680	5330.160	---	PASS
	Ant2	5310	40.960	5289.520	5330.480	---	PASS
	Ant1	5510	40.720	5489.600	5530.320	---	PASS
	Ant2	5510	40.800	5489.520	5530.320	---	PASS
	Ant1	5550	40.560	5529.600	5570.160	---	PASS
	Ant2	5550	40.880	5529.600	5570.480	---	PASS
	Ant1	5670	40.800	5649.680	5690.480	---	PASS
	Ant2	5670	40.480	5649.760	5690.240	---	PASS
	Ant1	5755	40.640	5734.680	5775.320	---	PASS
	Ant2	5755	40.960	5734.440	5775.400	---	PASS
	Ant1	5795	41.120	5774.280	5815.400	---	PASS
	Ant2	5795	40.800	5774.520	5815.320	---	PASS
11AC20SISO	Ant1	5180	21.920	5168.920	5190.840	---	PASS
	Ant2	5180	21.960	5168.920	5190.880	---	PASS

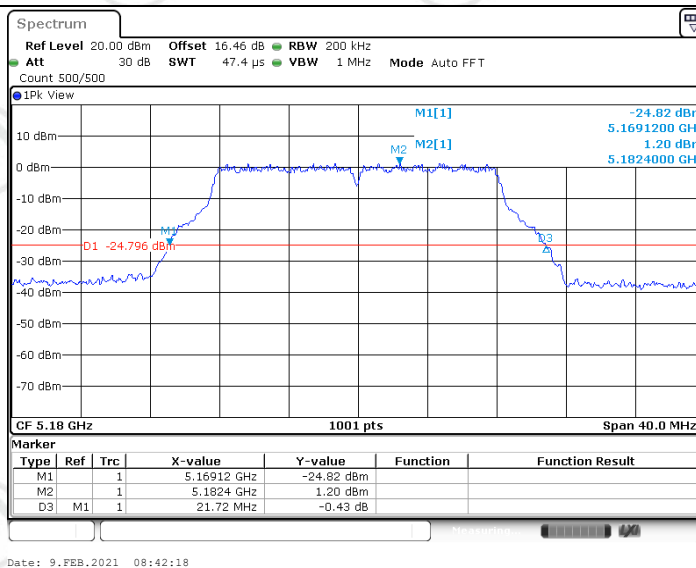
	Ant1	5200	21.920	5188.960	5210.880	---	PASS
	Ant2	5200	21.880	5188.920	5210.800	---	PASS
	Ant1	5240	21.920	5228.960	5250.880	---	PASS
	Ant2	5240	22.000	5228.920	5250.920	---	PASS
	Ant1	5260	22.000	5248.920	5270.920	---	PASS
	Ant2	5260	21.960	5249.000	5270.960	---	PASS
	Ant1	5280	21.920	5269.000	5290.920	---	PASS
	Ant2	5280	21.920	5268.920	5290.840	---	PASS
	Ant1	5320	22.000	5308.840	5330.840	---	PASS
	Ant2	5320	21.960	5308.920	5330.880	---	PASS
	Ant1	5500	21.880	5489.000	5510.880	---	PASS
	Ant2	5500	21.680	5489.000	5510.680	---	PASS
	Ant1	5580	21.840	5569.000	5590.840	---	PASS
	Ant2	5580	21.640	5569.080	5590.720	---	PASS
	Ant1	5700	21.880	5688.920	5710.800	---	PASS
	Ant2	5700	21.960	5688.960	5710.920	---	PASS
	Ant1	5745	21.880	5733.960	5755.840	---	PASS
	Ant2	5745	21.760	5734.000	5755.760	---	PASS
	Ant1	5785	21.880	5773.920	5795.800	---	PASS
	Ant2	5785	21.920	5774.000	5795.920	---	PASS
	Ant1	5825	21.840	5814.000	5835.840	---	PASS
	Ant2	5825	21.680	5814.000	5835.680	---	PASS
11AC40SISO	Ant1	5190	40.880	5169.440	5210.320	---	PASS
	Ant2	5190	40.560	5169.600	5210.160	---	PASS
	Ant1	5230	40.640	5209.600	5250.240	---	PASS
	Ant2	5230	40.960	5209.440	5250.400	---	PASS
	Ant1	5270	40.720	5249.600	5290.320	---	PASS
	Ant2	5270	40.480	5249.760	5290.240	---	PASS
	Ant1	5310	40.640	5289.680	5330.320	---	PASS
	Ant2	5310	40.800	5289.520	5330.320	---	PASS
	Ant1	5510	40.560	5489.680	5530.240	---	PASS
	Ant2	5510	40.720	5489.600	5530.320	---	PASS
	Ant1	5550	40.720	5529.680	5570.400	---	PASS
	Ant2	5550	40.720	5529.600	5570.320	---	PASS
	Ant1	5670	40.800	5649.600	5690.400	---	PASS
	Ant2	5670	40.480	5649.760	5690.240	---	PASS

	Ant1	5755	40.640	5734.600	5775.240	---	PASS
	Ant2	5755	40.720	5734.600	5775.320	---	PASS
	Ant1	5795	42.160	5773.160	5815.320	---	PASS
	Ant2	5795	40.720	5774.600	5815.320	---	PASS
11AC80SISO	Ant1	5210	83.040	5168.240	5251.280	---	PASS
	Ant2	5210	83.040	5168.400	5251.440	---	PASS
	Ant1	5290	82.880	5248.720	5331.600	---	PASS
	Ant2	5290	83.520	5248.400	5331.920	---	PASS
	Ant1	5530	83.040	5488.560	5571.600	---	PASS
	Ant2	5530	82.880	5488.560	5571.440	---	PASS
	Ant1	5610	83.040	5568.560	5651.600	---	PASS
	Ant2	5610	82.720	5568.720	5651.440	---	PASS
	Ant1	5775	83.840	5733.400	5817.240	---	PASS
	Ant2	5775	83.040	5733.240	5816.280	---	PASS
11N20MIMO	Ant1	5180	21.920	5168.920	5190.840	---	PASS
	Ant2	5180	21.640	5169.080	5190.720	---	PASS
	Ant1	5200	21.840	5189.000	5210.840	---	PASS
	Ant2	5200	21.720	5189.000	5210.720	---	PASS
	Ant1	5240	21.800	5229.000	5250.800	---	PASS
	Ant2	5240	21.560	5229.160	5250.720	---	PASS
	Ant1	5260	21.800	5249.000	5270.800	---	PASS
	Ant2	5260	21.920	5248.880	5270.800	---	PASS
	Ant1	5280	21.880	5268.960	5290.840	---	PASS
	Ant2	5280	21.720	5268.960	5290.680	---	PASS
	Ant1	5320	21.800	5308.880	5330.680	---	PASS
	Ant2	5320	21.960	5308.920	5330.880	---	PASS
	Ant1	5500	21.760	5489.040	5510.800	---	PASS
	Ant2	5500	21.560	5489.120	5510.680	---	PASS
	Ant1	5580	21.800	5568.880	5590.680	---	PASS
	Ant2	5580	21.840	5568.920	5590.760	---	PASS
	Ant1	5700	21.680	5689.040	5710.720	---	PASS
	Ant2	5700	21.560	5689.160	5710.720	---	PASS
	Ant1	5745	21.840	5733.920	5755.760	---	PASS
	Ant2	5745	21.640	5734.080	5755.720	---	PASS
	Ant1	5785	21.800	5773.960	5795.760	---	PASS
	Ant2	5785	21.760	5773.960	5795.720	---	PASS

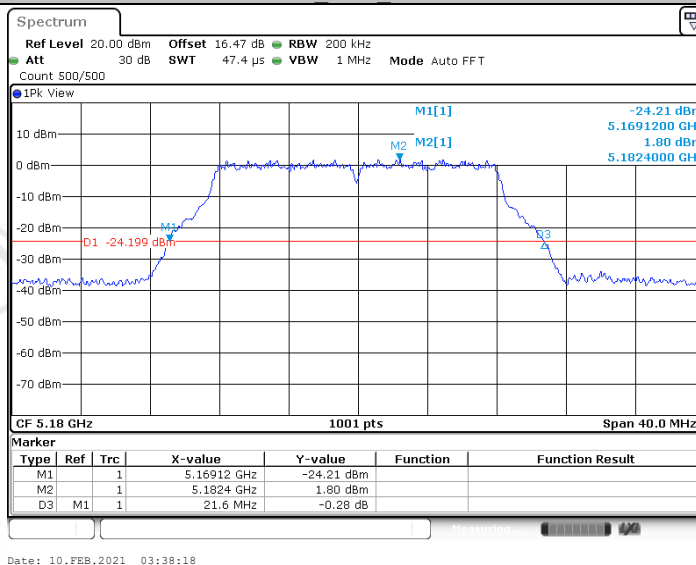
	Ant1	5825	21.680	5813.960	5835.640	---	PASS
	Ant2	5825	21.560	5814.120	5835.680	---	PASS
11N40MIMO	Ant1	5190	40.800	5169.680	5210.480	---	PASS
	Ant2	5190	40.400	5169.840	5210.240	---	PASS
	Ant1	5230	40.960	5209.440	5250.400	---	PASS
	Ant2	5230	40.800	5209.600	5250.400	---	PASS
	Ant1	5270	40.880	5249.600	5290.480	---	PASS
	Ant2	5270	40.160	5249.920	5290.080	---	PASS
	Ant1	5310	40.480	5289.600	5330.080	---	PASS
	Ant2	5310	40.560	5289.760	5330.320	---	PASS
	Ant1	5510	40.800	5489.600	5530.400	---	PASS
	Ant2	5510	40.160	5489.760	5529.920	---	PASS
	Ant1	5550	43.920	5526.240	5570.160	---	PASS
	Ant2	5550	40.240	5529.760	5570.000	---	PASS
	Ant1	5670	48.800	5649.600	5698.400	---	PASS
	Ant2	5670	40.240	5649.760	5690.000	---	PASS
	Ant1	5755	40.960	5734.440	5775.400	---	PASS
	Ant2	5755	40.320	5734.680	5775.000	---	PASS
	Ant1	5795	44.800	5770.600	5815.400	---	PASS
	Ant2	5795	40.480	5774.680	5815.160	---	PASS
11AC20MIMO	Ant1	5180	21.960	5168.920	5190.880	---	PASS
	Ant2	5180	21.680	5169.080	5190.760	---	PASS
	Ant1	5200	21.920	5188.960	5210.880	---	PASS
	Ant2	5200	21.800	5188.920	5210.720	---	PASS
	Ant1	5240	21.800	5228.920	5250.720	---	PASS
	Ant2	5240	21.760	5228.960	5250.720	---	PASS
	Ant1	5260	22.000	5248.960	5270.960	---	PASS
	Ant2	5260	21.920	5248.920	5270.840	---	PASS
	Ant1	5280	21.880	5268.960	5290.840	---	PASS
	Ant2	5280	21.960	5268.920	5290.880	---	PASS
	Ant1	5320	21.920	5308.960	5330.880	---	PASS
	Ant2	5320	21.840	5309.080	5330.920	---	PASS
	Ant1	5500	21.840	5489.000	5510.840	---	PASS
	Ant2	5500	21.680	5489.120	5510.800	---	PASS
	Ant1	5580	21.840	5569.000	5590.840	---	PASS
	Ant2	5580	21.960	5568.960	5590.920	---	PASS

	Ant1	5700	21.680	5689.000	5710.680	---	PASS
	Ant2	5700	21.680	5689.040	5710.720	---	PASS
	Ant1	5745	21.720	5734.080	5755.800	---	PASS
	Ant2	5745	21.680	5734.000	5755.680	---	PASS
	Ant1	5785	21.760	5774.000	5795.760	---	PASS
	Ant2	5785	21.680	5774.040	5795.720	---	PASS
	Ant1	5825	21.840	5813.920	5835.760	---	PASS
	Ant2	5825	21.720	5813.960	5835.680	---	PASS
11AC40MIMO	Ant1	5190	40.640	5169.680	5210.320	---	PASS
	Ant2	5190	40.240	5169.920	5210.160	---	PASS
	Ant1	5230	40.720	5209.600	5250.320	---	PASS
	Ant2	5230	40.480	5209.680	5250.160	---	PASS
	Ant1	5270	40.800	5249.520	5290.320	---	PASS
	Ant2	5270	40.160	5249.920	5290.080	---	PASS
	Ant1	5310	40.720	5289.520	5330.240	---	PASS
	Ant2	5310	40.480	5289.680	5330.160	---	PASS
	Ant1	5510	40.800	5489.520	5530.320	---	PASS
	Ant2	5510	40.160	5489.760	5529.920	---	PASS
	Ant1	5550	41.280	5529.280	5570.560	---	PASS
	Ant2	5550	40.320	5529.760	5570.080	---	PASS
	Ant1	5670	40.800	5649.600	5690.400	---	PASS
	Ant2	5670	40.240	5649.920	5690.160	---	PASS
	Ant1	5755	40.720	5734.520	5775.240	---	PASS
	Ant2	5755	40.240	5734.760	5775.000	---	PASS
	Ant1	5795	40.880	5774.440	5815.320	---	PASS
	Ant2	5795	40.400	5774.760	5815.160	---	PASS
11AC80MIMO	Ant1	5210	82.720	5168.560	5251.280	---	PASS
	Ant2	5210	82.240	5168.880	5251.120	---	PASS
	Ant1	5290	83.200	5248.560	5331.760	---	PASS
	Ant2	5290	83.040	5248.560	5331.600	---	PASS
	Ant1	5530	82.240	5488.880	5571.120	---	PASS
	Ant2	5530	82.080	5488.880	5570.960	---	PASS
	Ant1	5610	82.880	5568.720	5651.600	---	PASS
	Ant2	5610	82.560	5568.880	5651.440	---	PASS
	Ant1	5775	83.200	5733.400	5816.600	---	PASS
	Ant2	5775	82.880	5733.720	5816.600	---	PASS

Test Graphs:

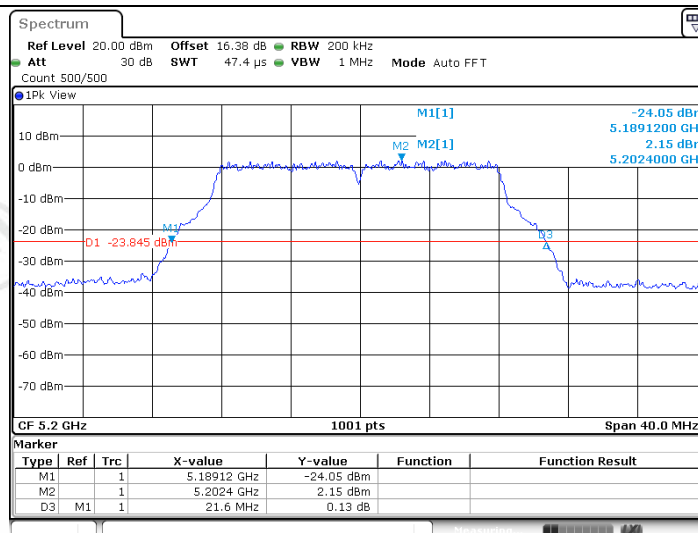


11A Ant1 5180



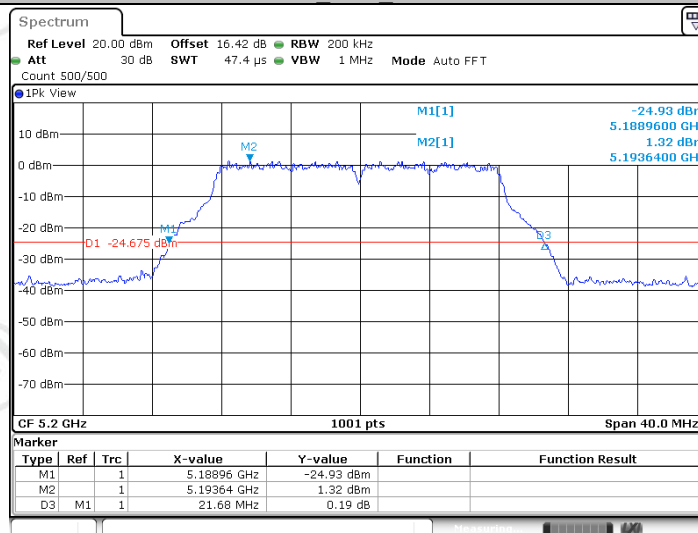
11A Ant2 5180

Report No. : EED39N00008304



Date: 9.FEB.2021 08:46:51

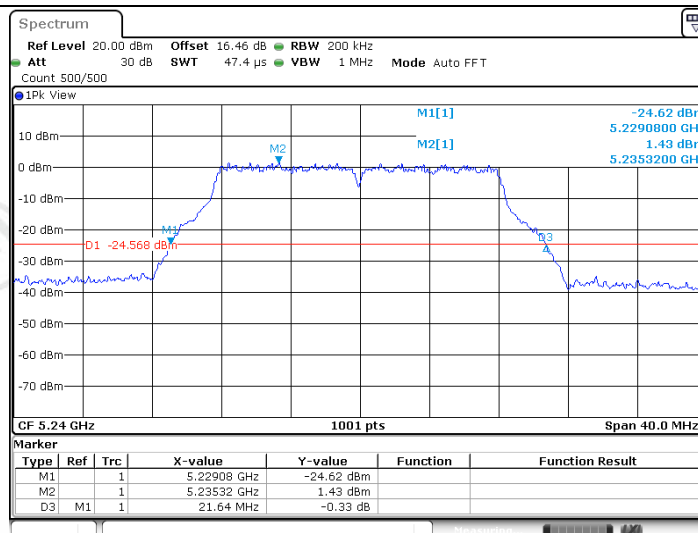
11A Ant1 5200



Date: 10.FEB.2021 03:43:33

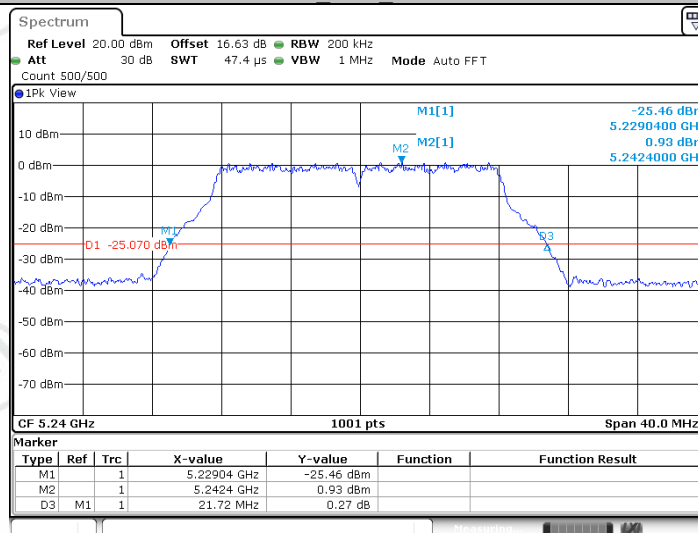
11A Ant2 5200

Report No. : EED39N00008304



Date: 9.FEB.2021 08:49:07

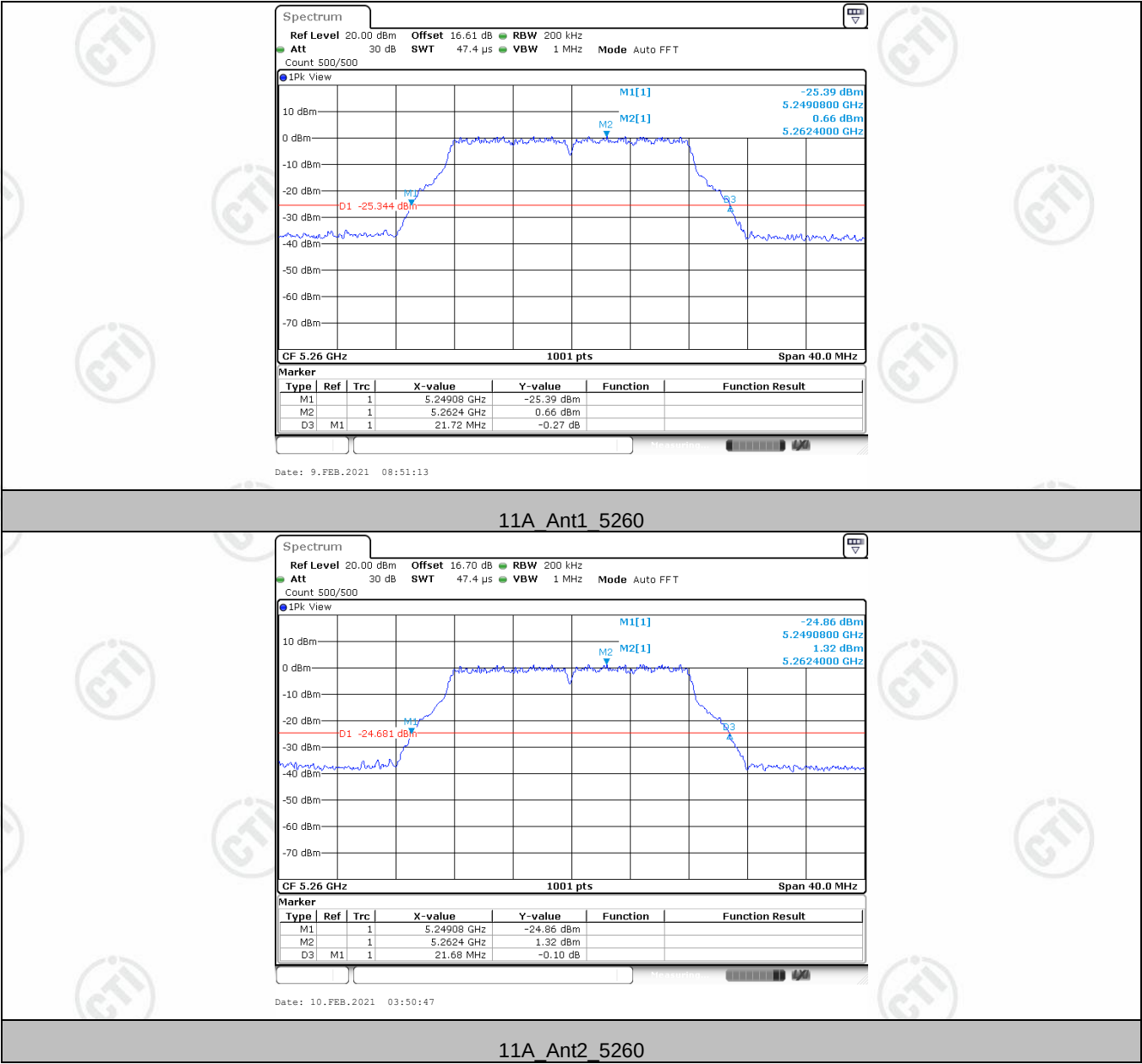
11A Ant1 5240



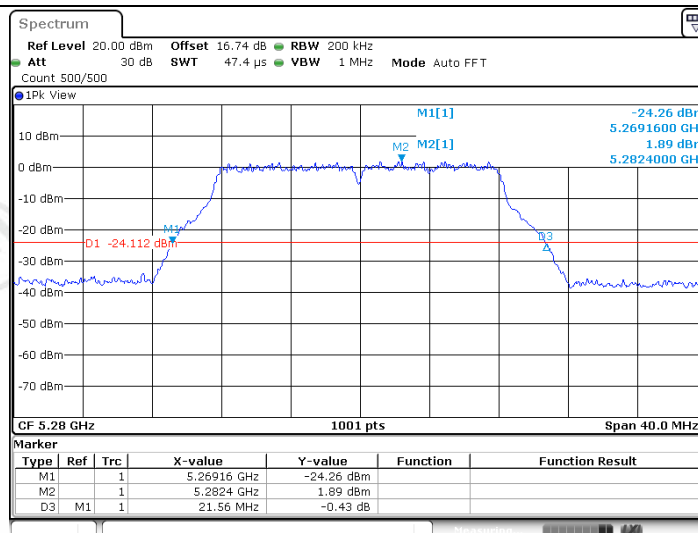
Date: 10.FEB.2021 03:48:06

11A Ant2 5240

Report No. : EED39N00008304

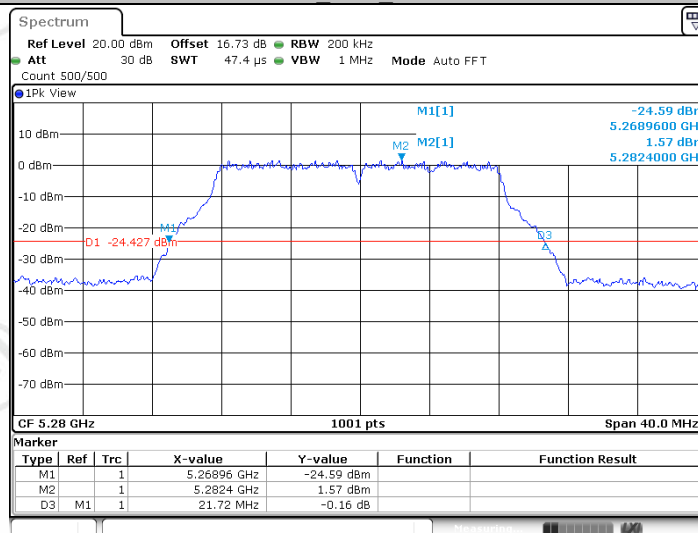


Report No. : EED39N00008304



Date: 9.FEB.2021 08:53:23

11A Ant1 5280



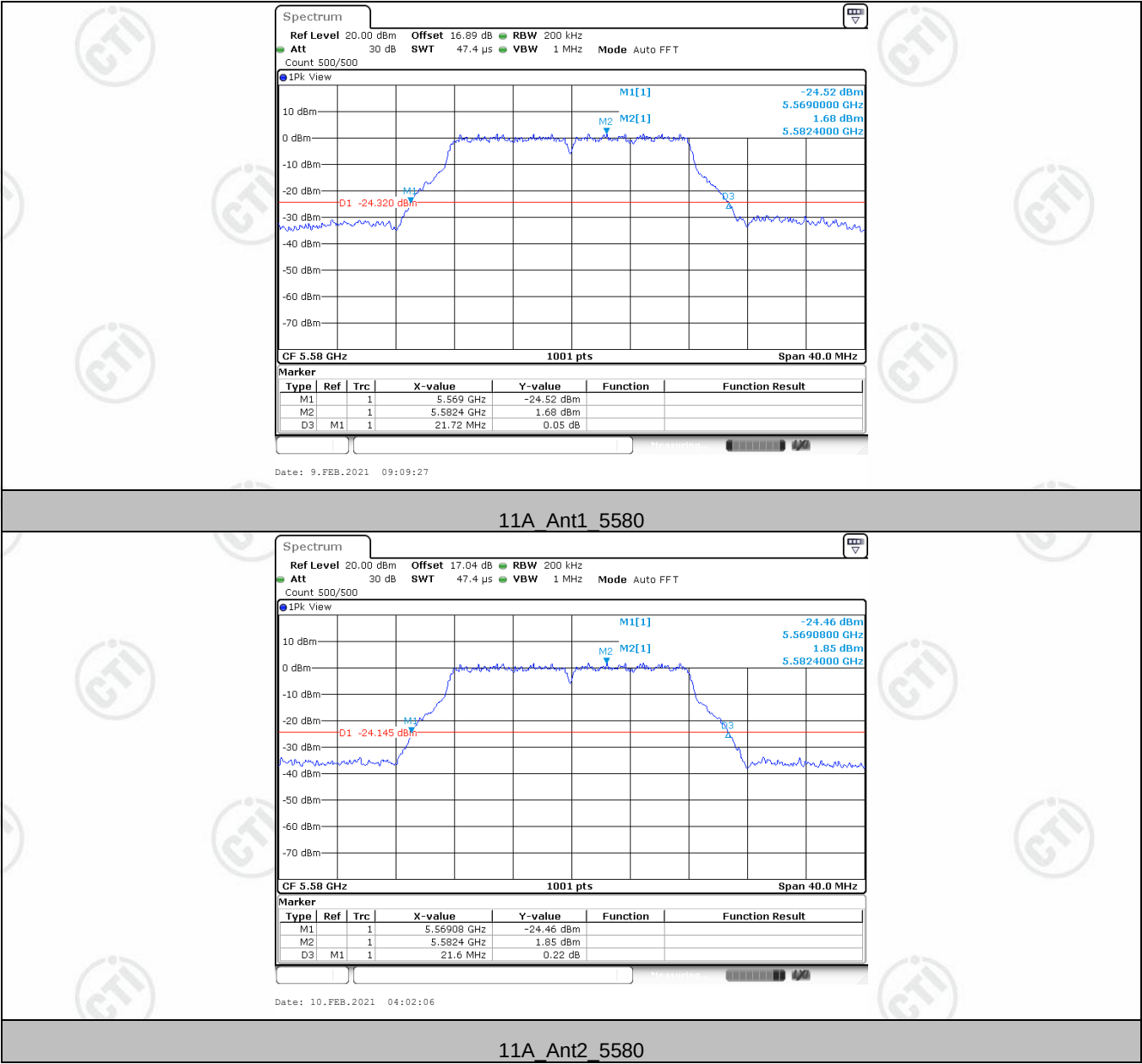
Date: 10.FEB.2021 03:53:00

11A Ant2 5280

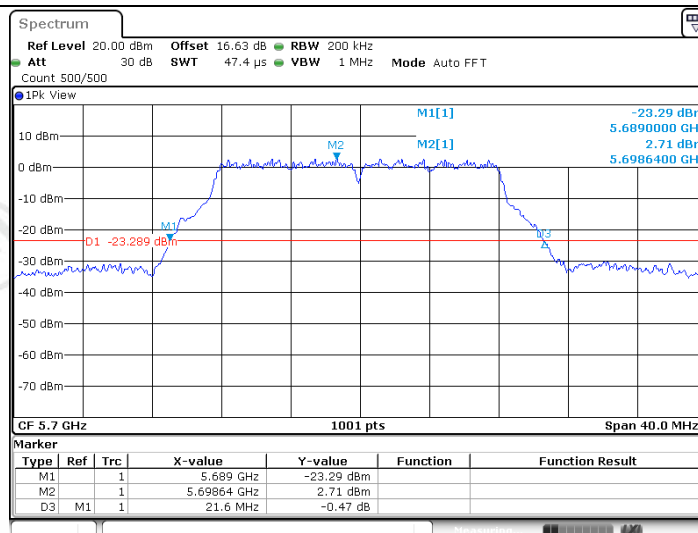
Report No. : EED39N00008304





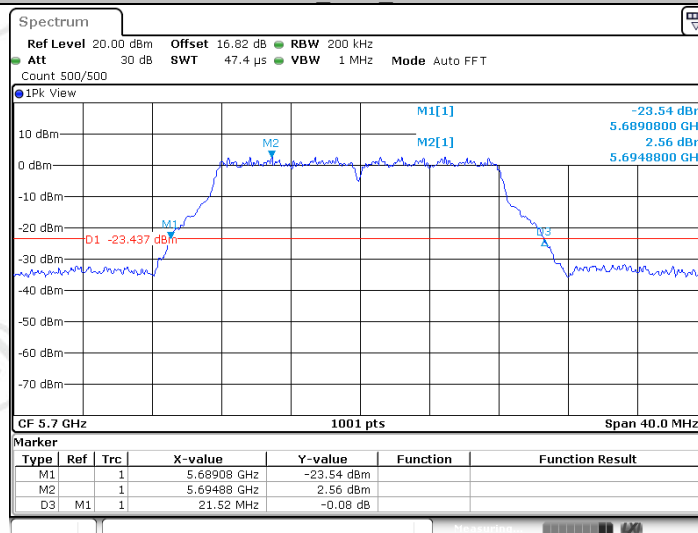


Report No. : EED39N00008304



Date: 9.FEB.2021 09:11:59

11A Ant1 5700



Date: 10.FEB.2021 04:06:30

11A Ant2 5700



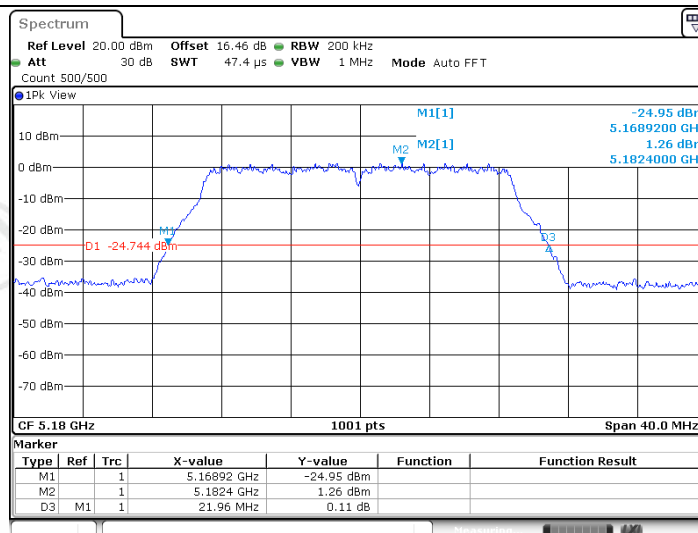
Report No. : EED39N00008304



Report No. : EED39N00008304

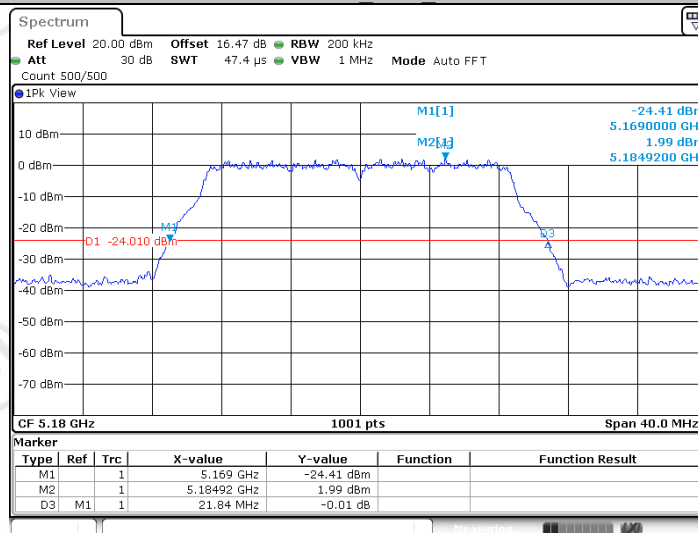


Report No. : EED39N00008304



Date: 9.FEB.2021 09:28:57

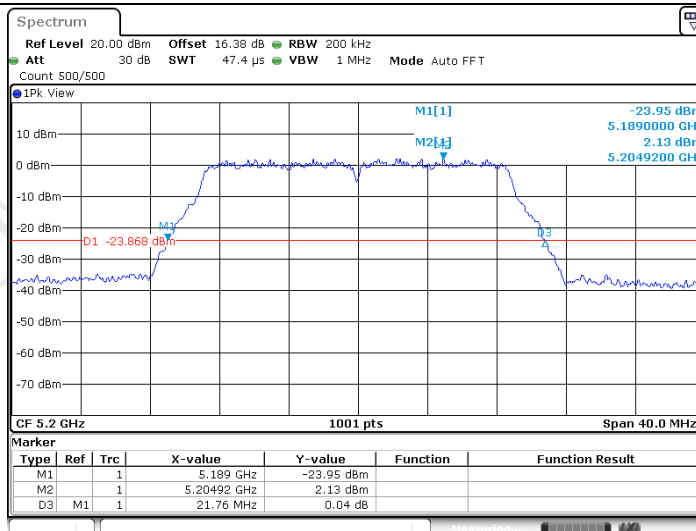
11N20SISO Ant1 5180



Date: 10.FEB.2021 04:25:47

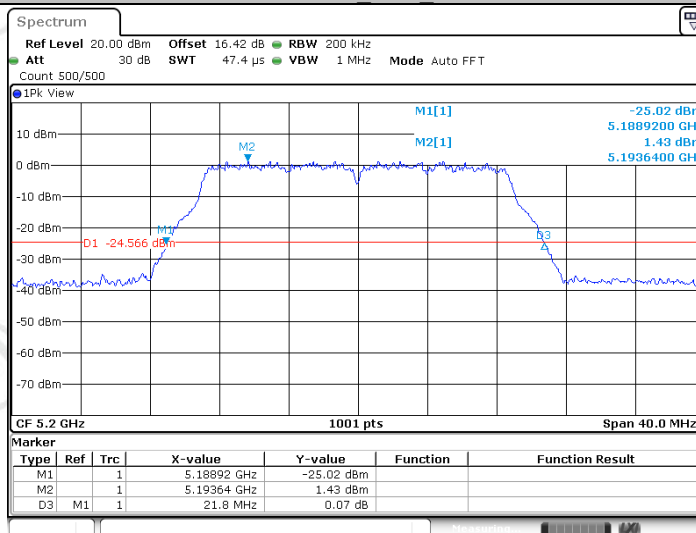
11N20SISO Ant2 5180

Report No. : EED39N00008304



Date: 9.FEB.2021 09:41:37

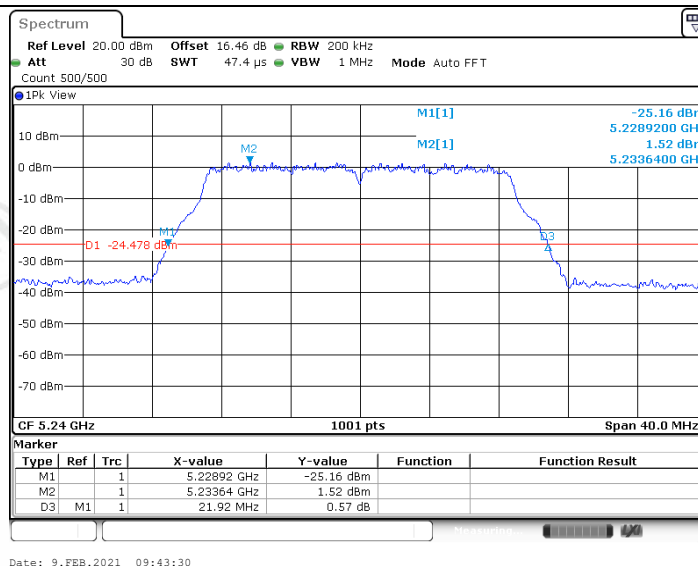
11N20SISO Ant1 5200



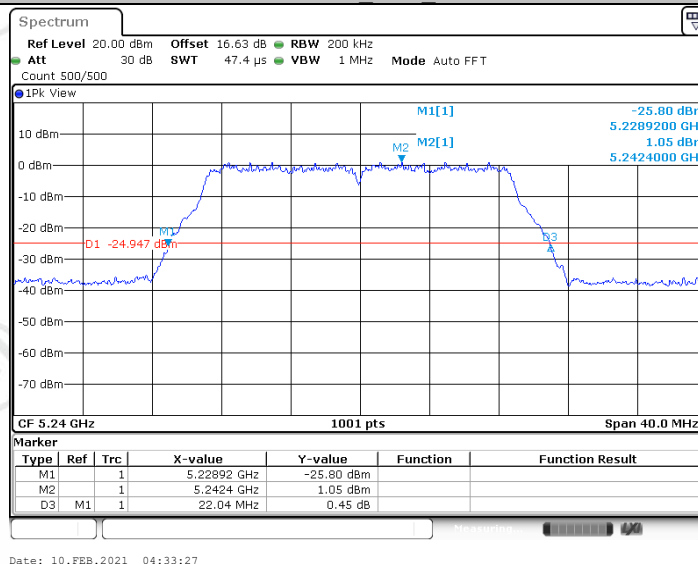
Date: 10.FEB.2021 04:31:20

11N20SISO Ant2 5200

Report No. : EED39N00008304



11N20SISO Ant1 5240

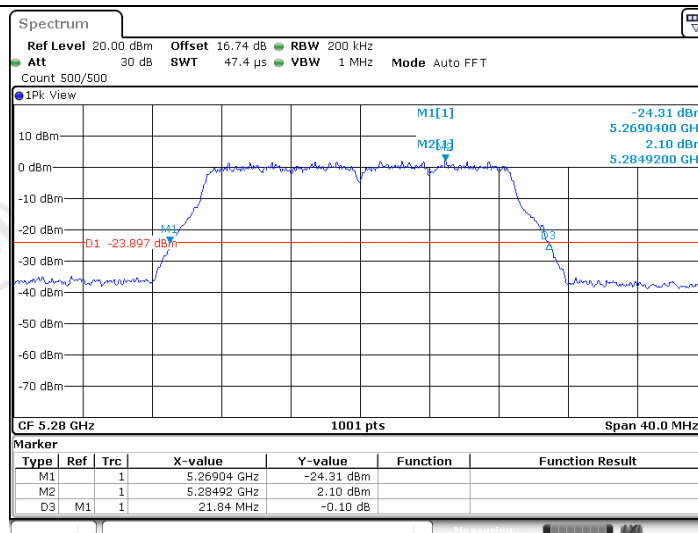


11N20SISO Ant2 5240

Report No. : EED39N00008304

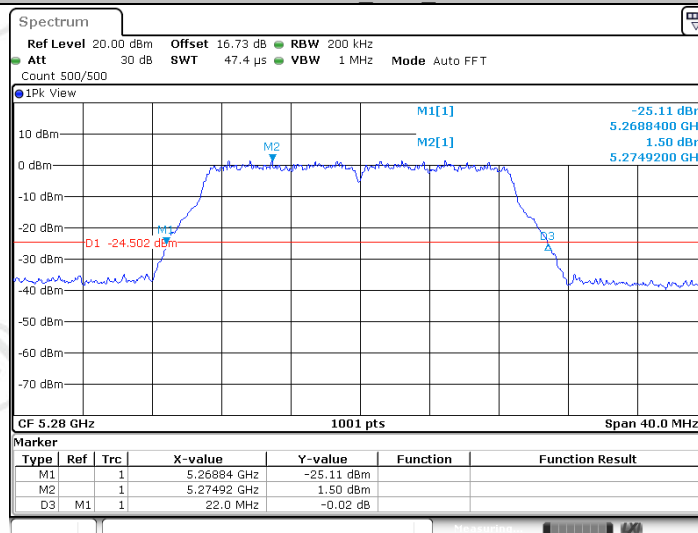


Report No. : EED39N00008304



Date: 9.FEB.2021 09:47:53

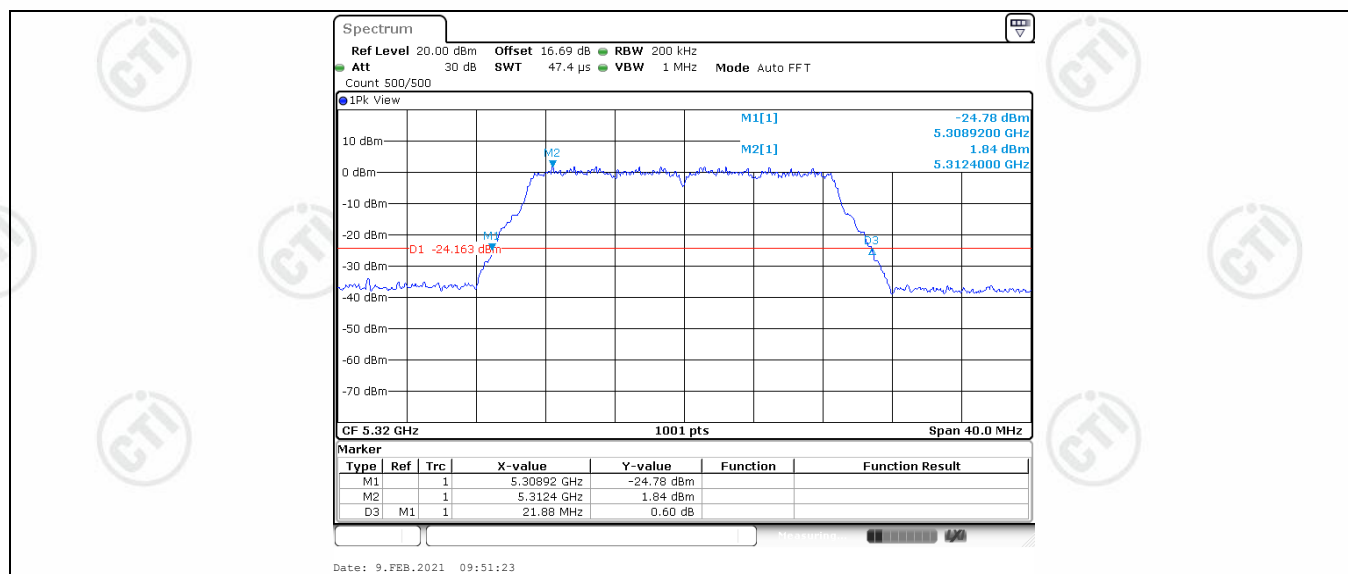
11N20SISO Ant1 5280



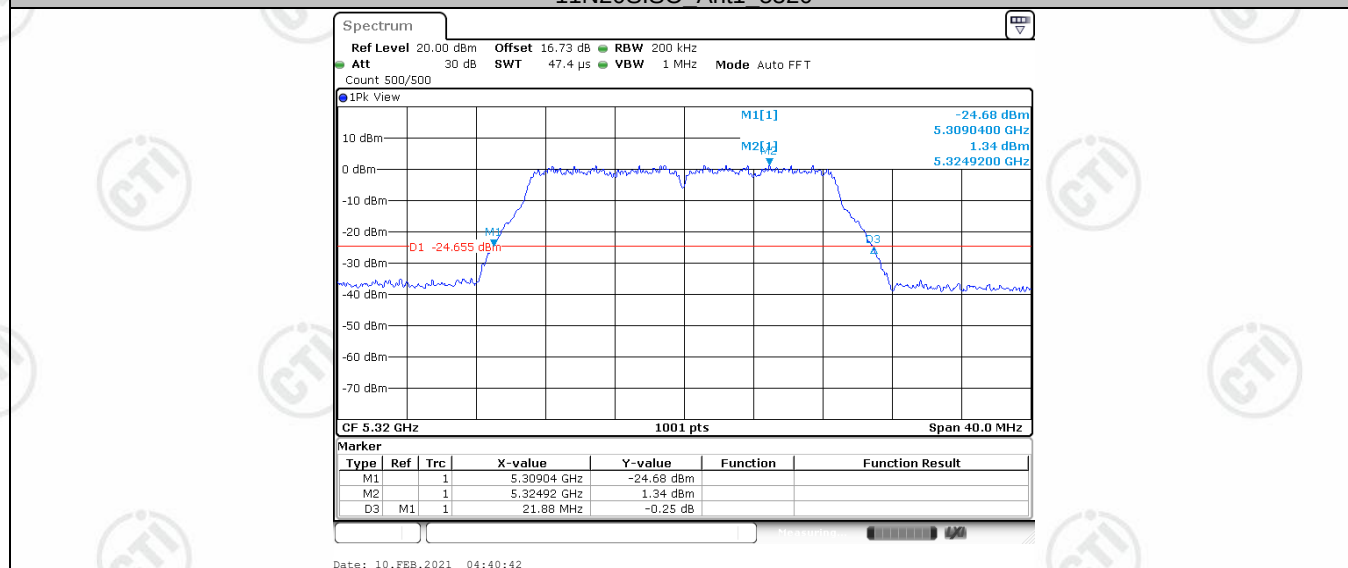
Date: 10.FEB.2021 04:38:07

11N20SISO Ant2 5280

Report No. : EED39N00008304



11N20SISO Ant1 5320



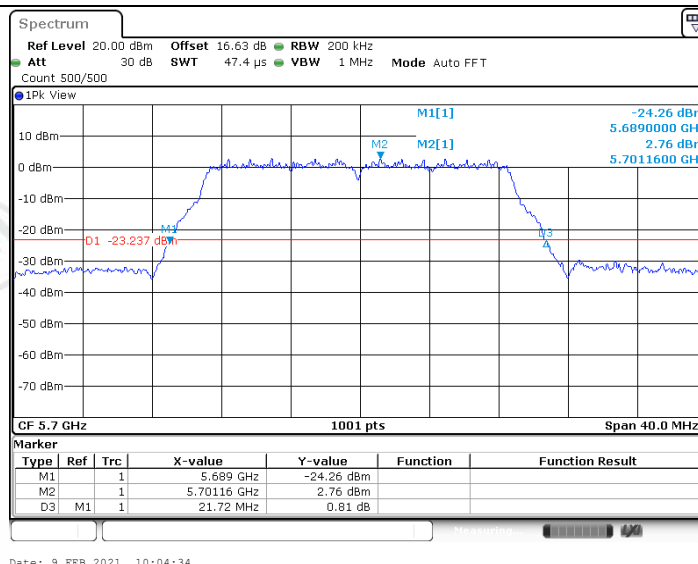
11N20SISO Ant2 5320

Report No. : EED39N00008304

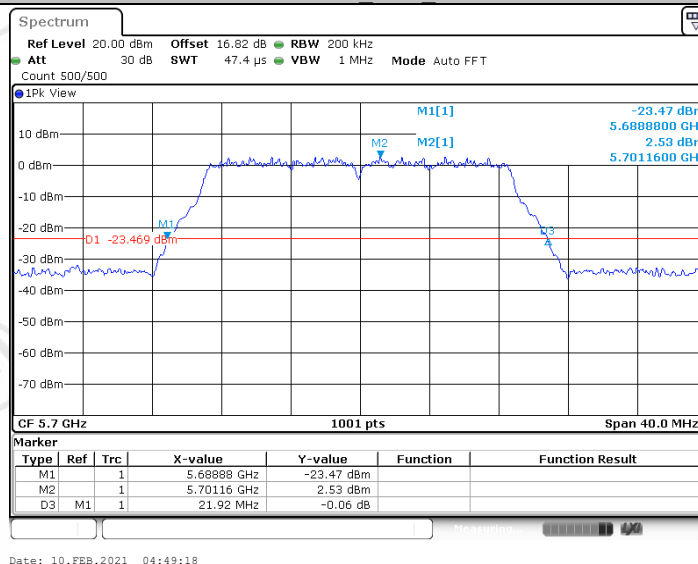




Report No. : EED39N00008304



11N20SISO Ant1 5700

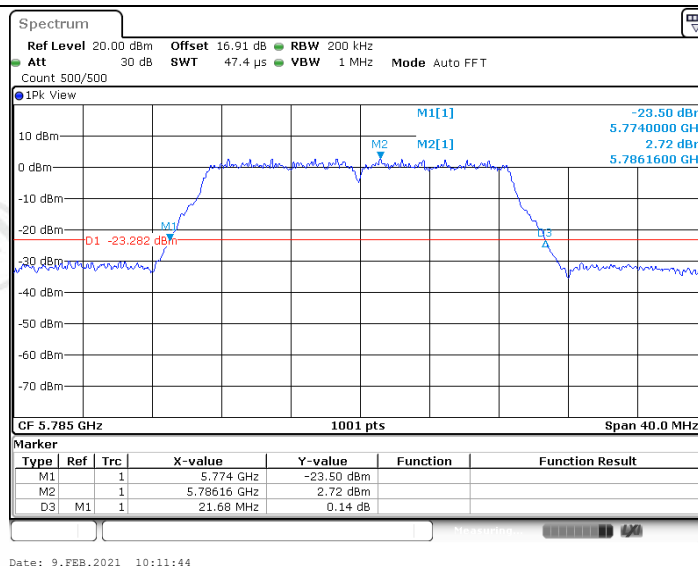


11N20SISO Ant2 5700

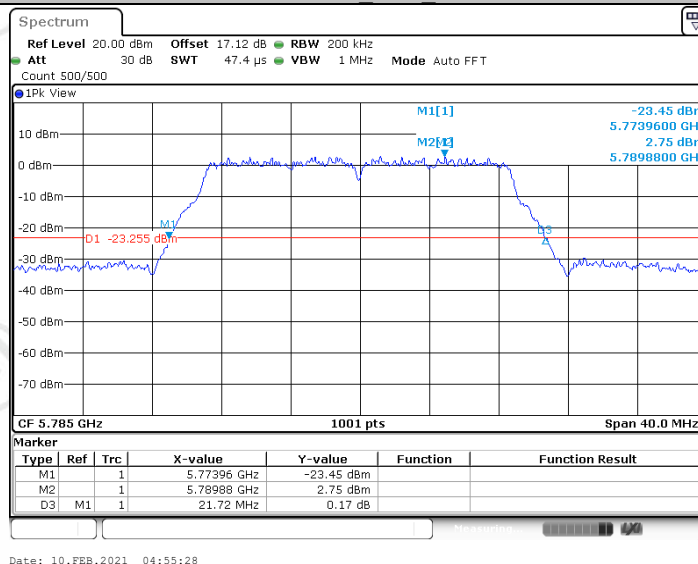
Report No. : EED39N00008304



Report No. : EED39N00008304



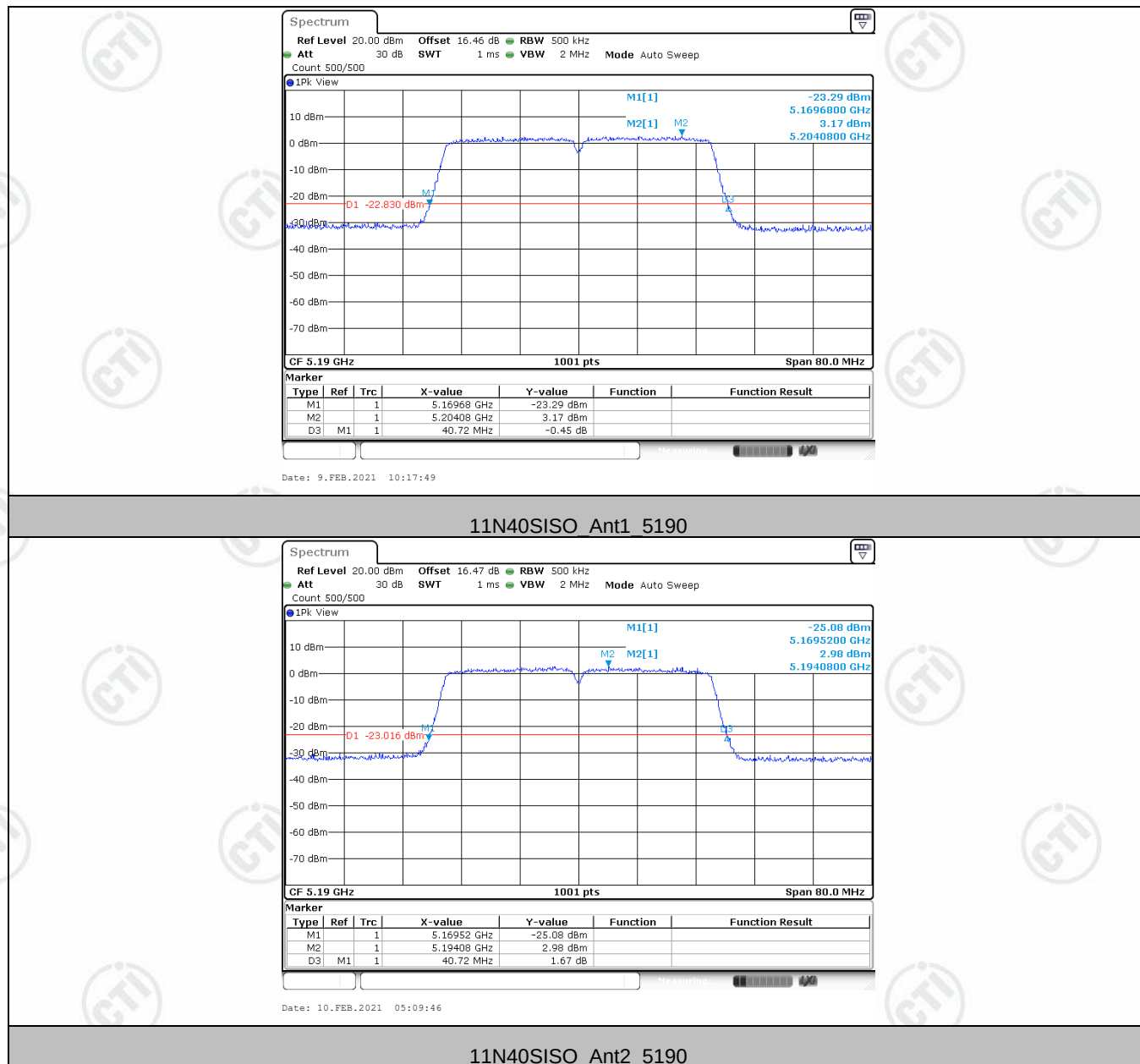
11N20SISO Ant1 5785



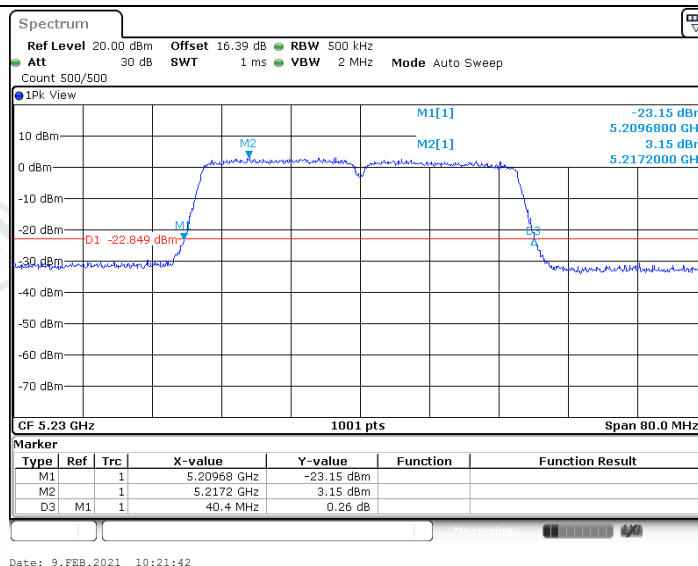
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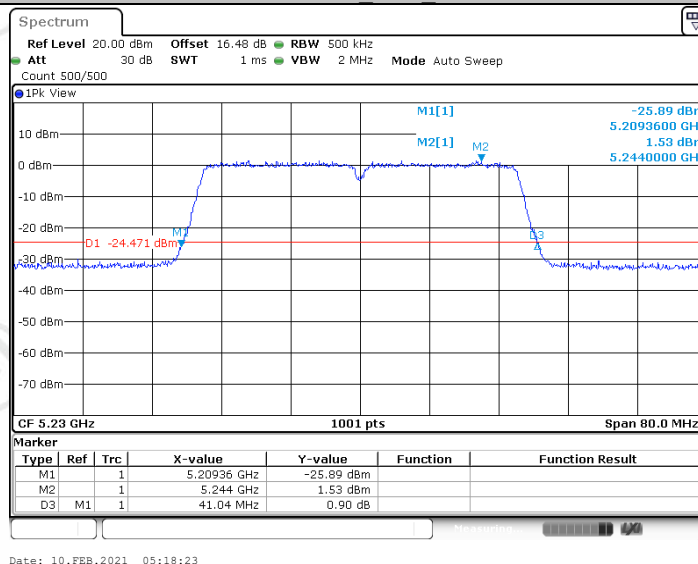
Report No. : EED39N00008304



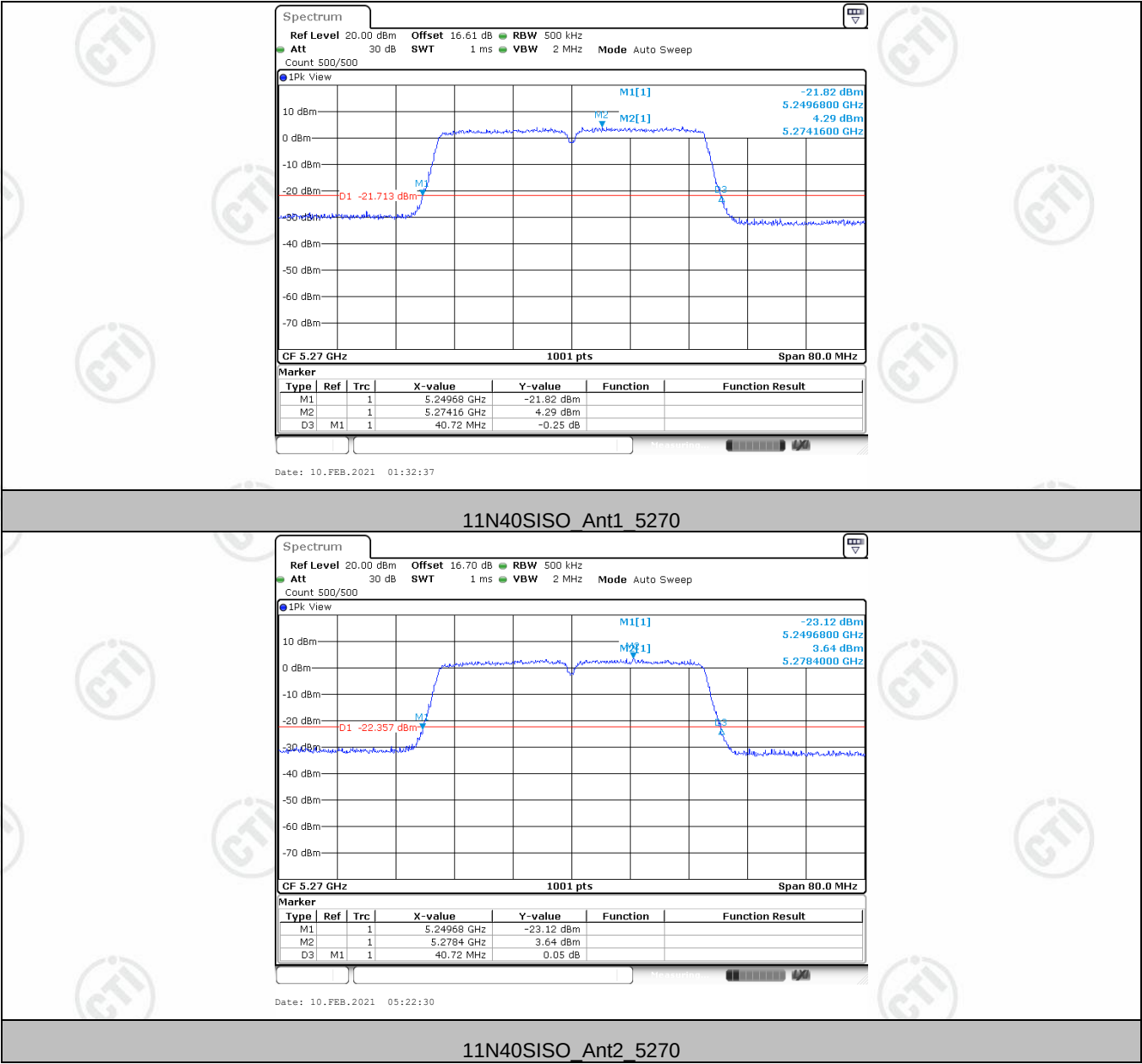
Report No. : EED39N00008304



11N40SISO Ant1 5230

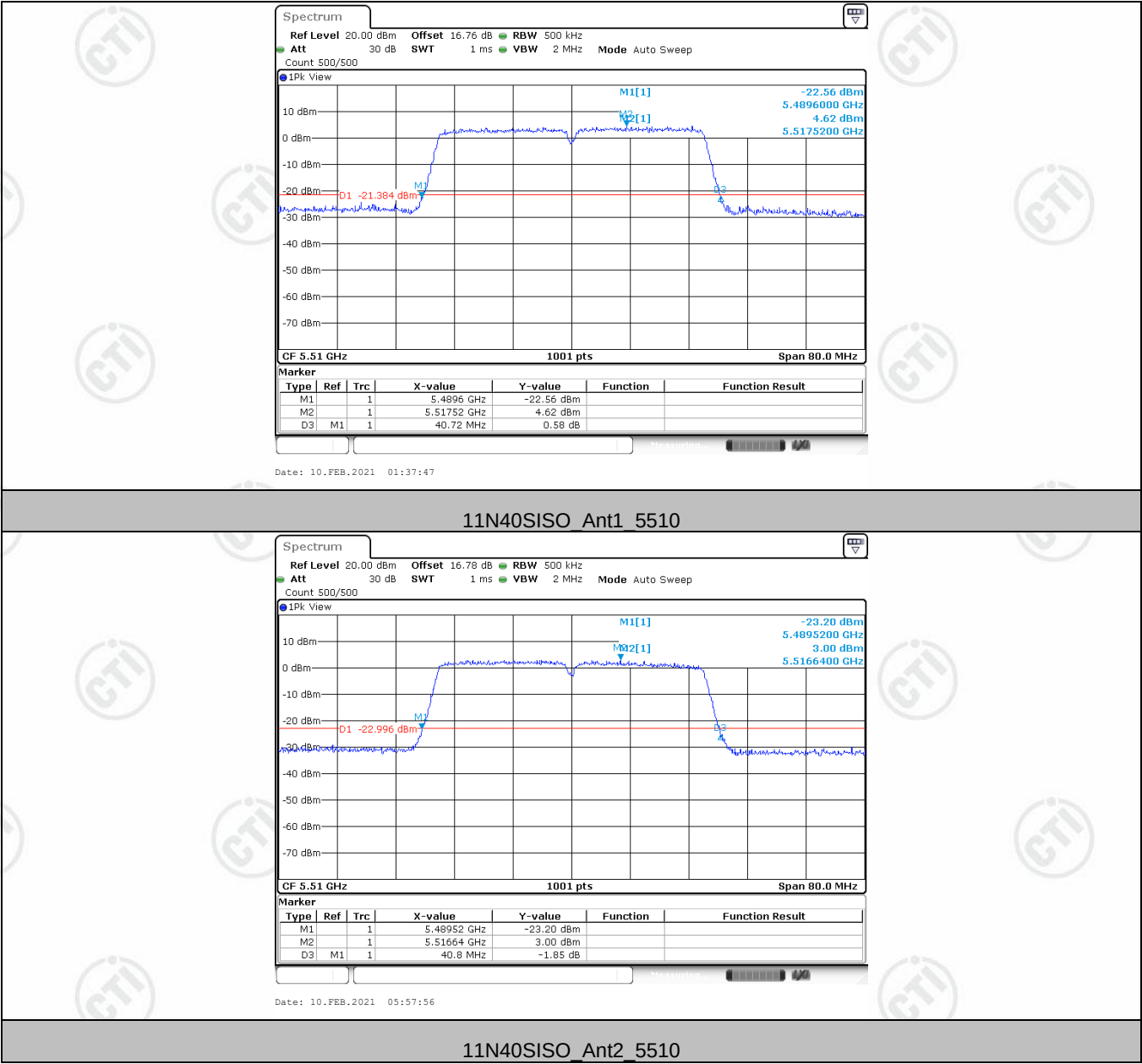


11N40SISO Ant2 5230

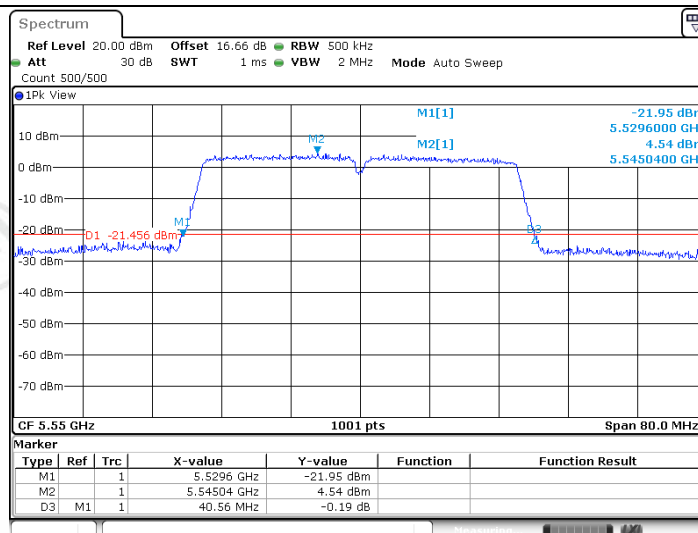


Report No. : EED39N00008304



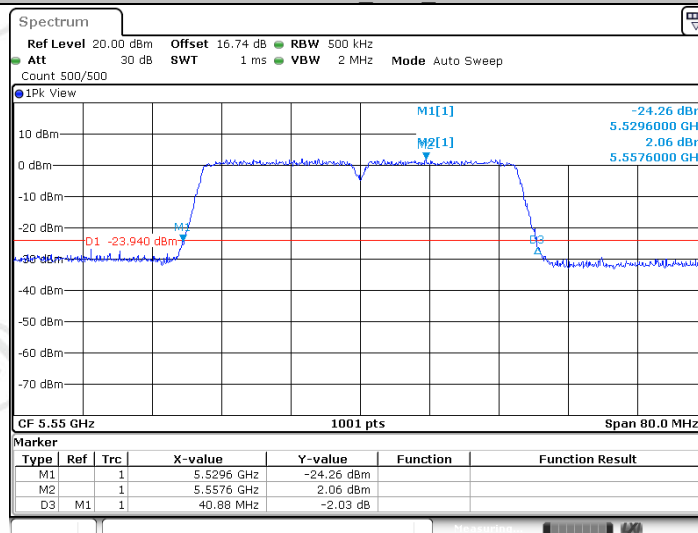


Report No. : EED39N00008304



Date: 10.FEB.2021 01:40:38

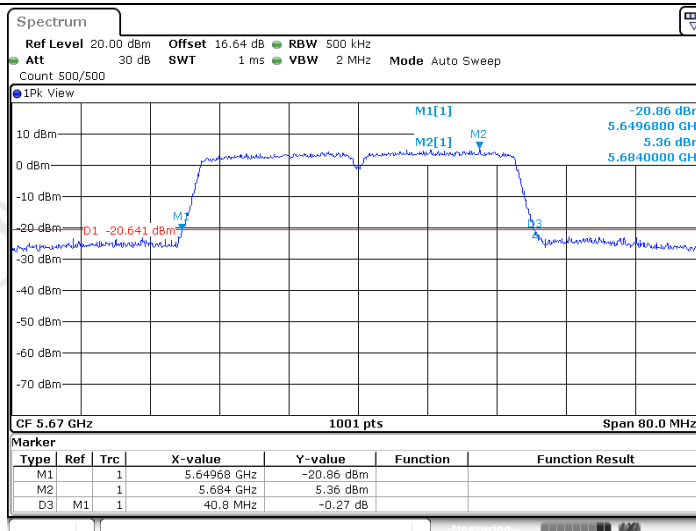
11N40SISO Ant1 5550



Date: 10.FEB.2021 06:09:14

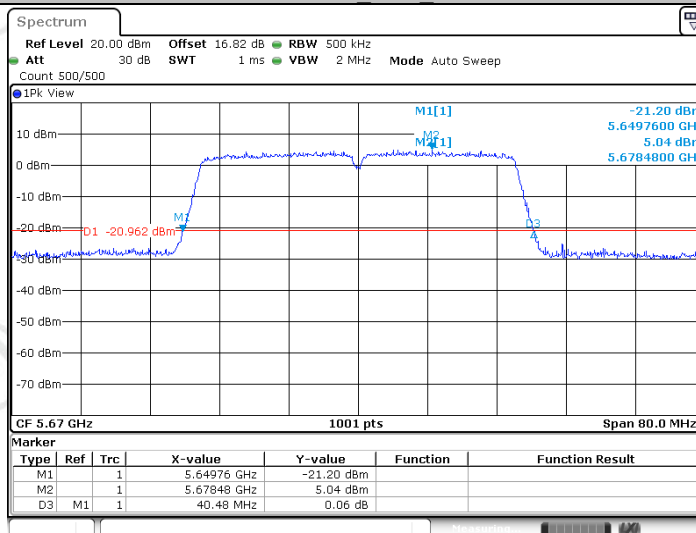
11N40SISO Ant2 5550

Report No. : EED39N00008304



Date: 10.FEB.2021 01:42:27

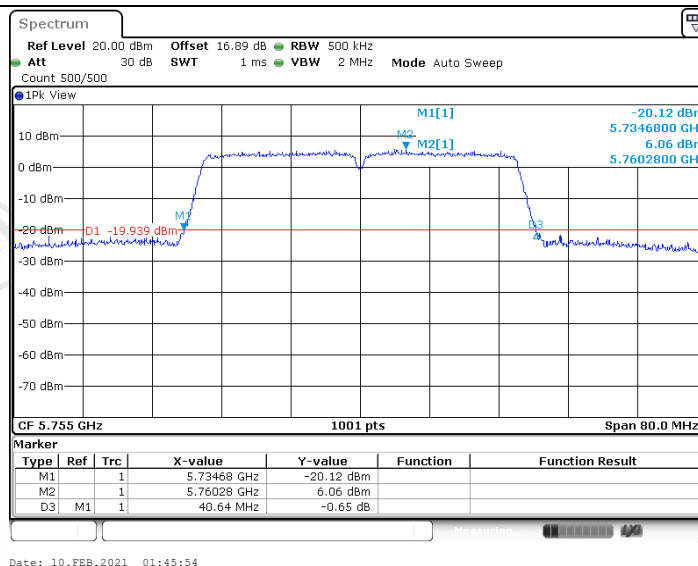
11N40SISO Ant1 5670



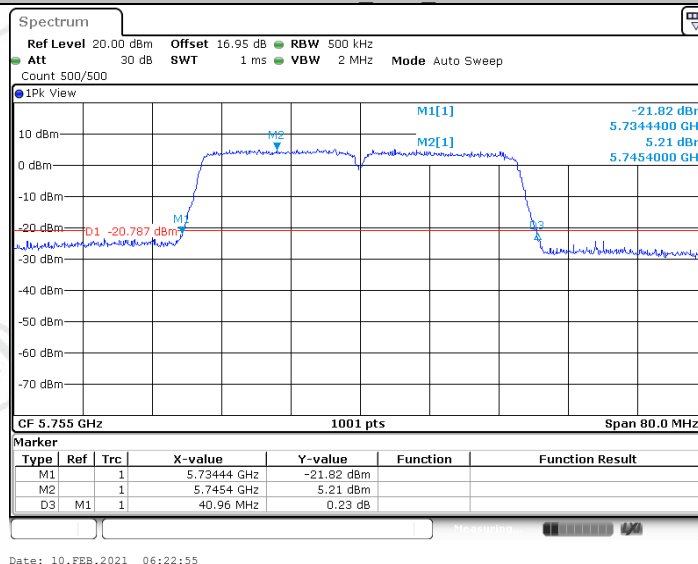
Date: 10.FEB.2021 06:12:57

11N40SISO Ant2 5670

Report No. : EED39N00008304

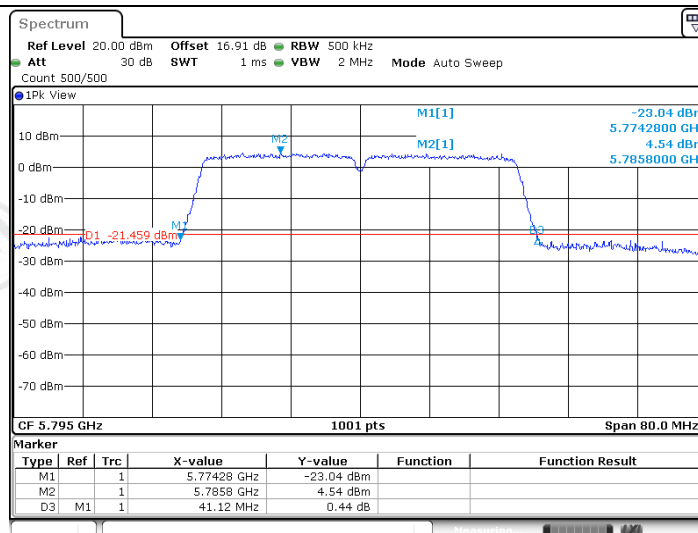


11N40SISO Ant1 5755



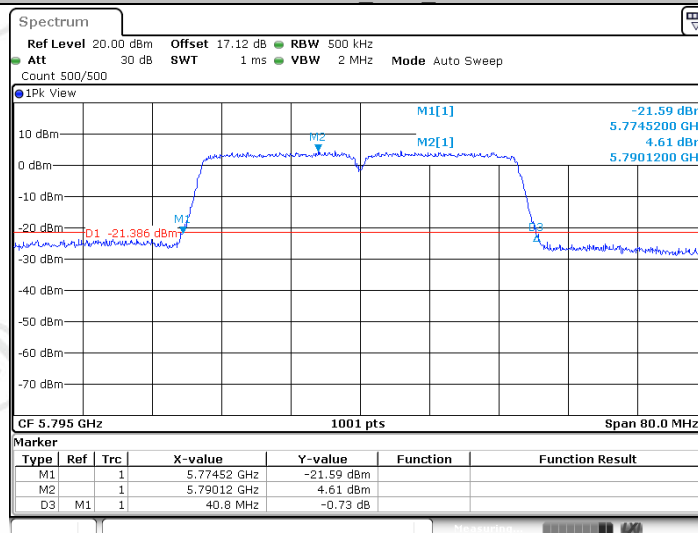
11N40SISO Ant2 5755

Report No. : EED39N00008304



Date: 10.FEB.2021 01:49:35

11N40SISO Ant1 5795

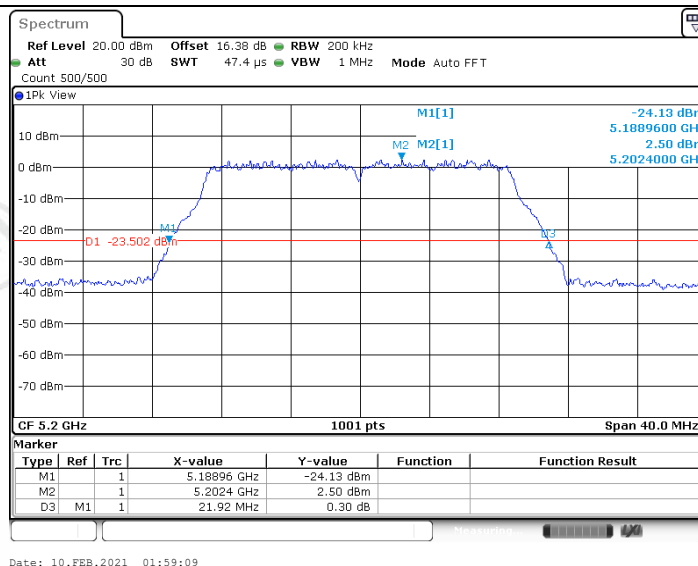


Date: 10.FEB.2021 06:28:21

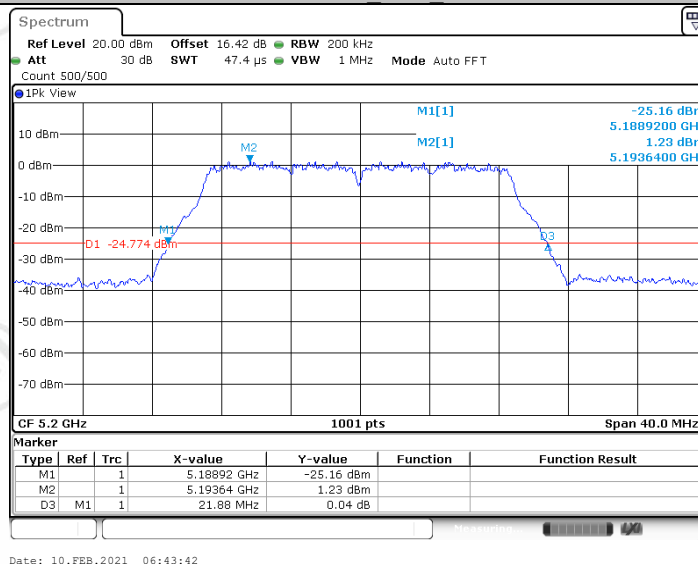
11N40SISO Ant2 5795



Report No. : EED39N00008304



11AC20SISO_Ant1_5200



11AC20SISO_Ant2_5200

Report No. : EED39N00008304



Report No. : EED39N00008304



Report No. : EED39N00008304



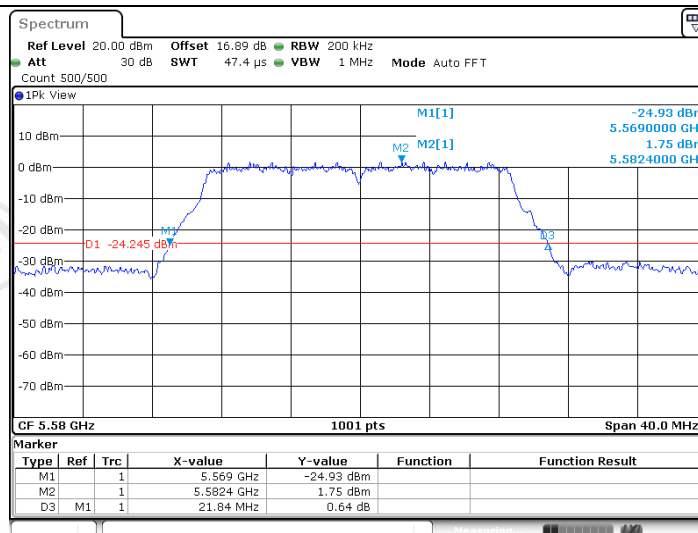
Report No. : EED39N00008304



Report No. : EED39N00008304

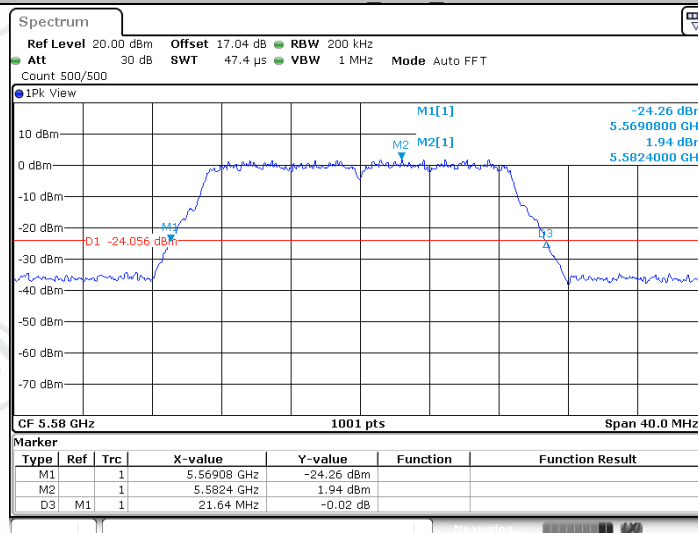


Report No. : EED39N00008304



Date: 10.FEB.2021 02:20:30

11AC20SISO_Ant1_5580



Date: 10.FEB.2021 07:25:05

11AC20SISO_Ant2_5580

Report No. : EED39N00008304



Report No. : EED39N00008304



Report No. : EED39N00008304



Report No. : EED39N00008304

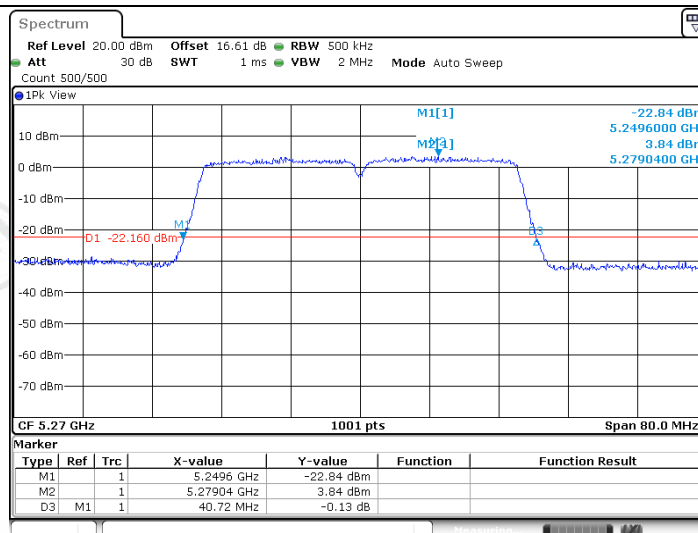


Report No. : EED39N00008304



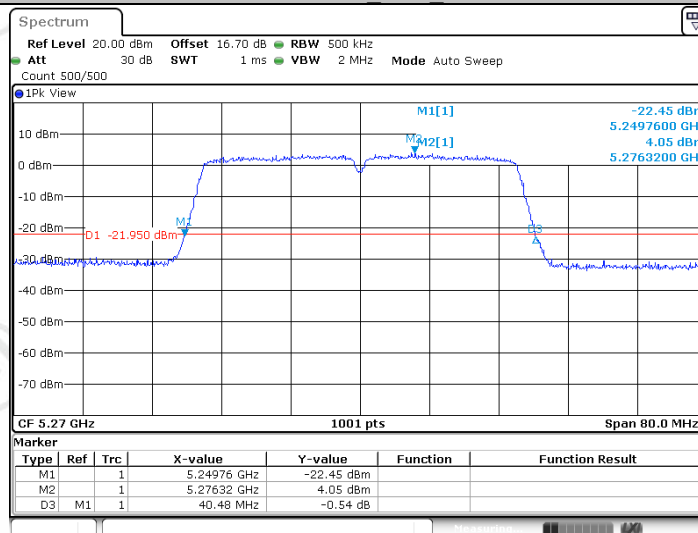


Report No. : EED39N00008304



Date: 10.FEB.2021 02:50:46

11AC40SISO_Ant1_5270



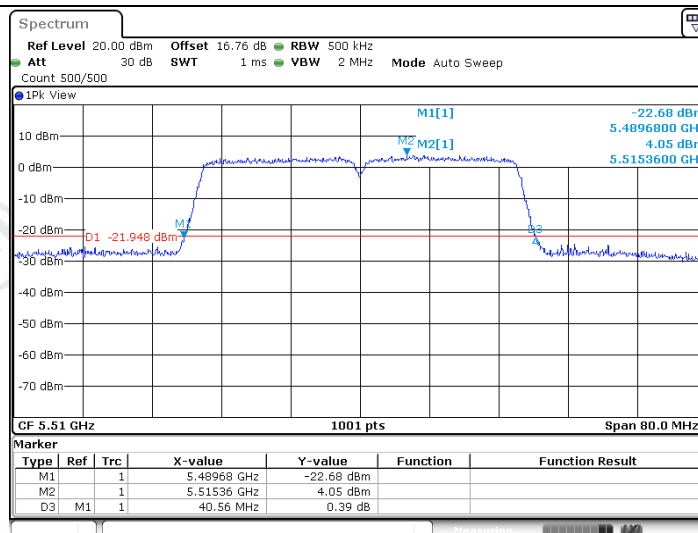
Date: 18.FEB.2021 02:02:03

11AC40SISO_Ant2_5270

Report No. : EED39N00008304

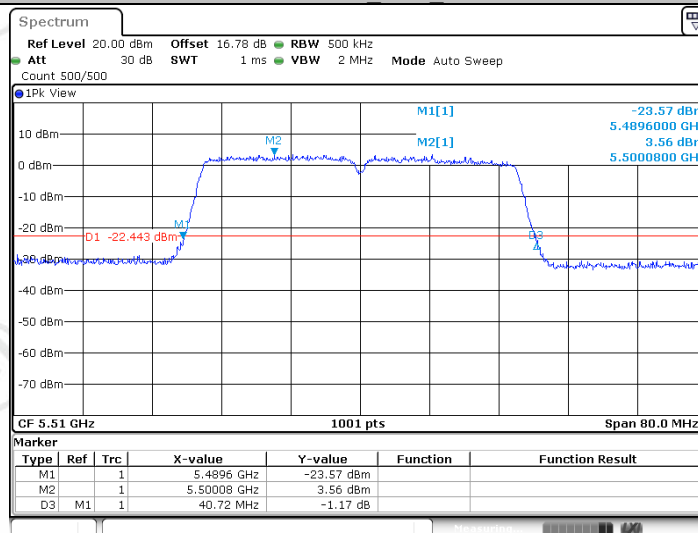


Report No. : EED39N00008304



Date: 10.FEB.2021 02:56:28

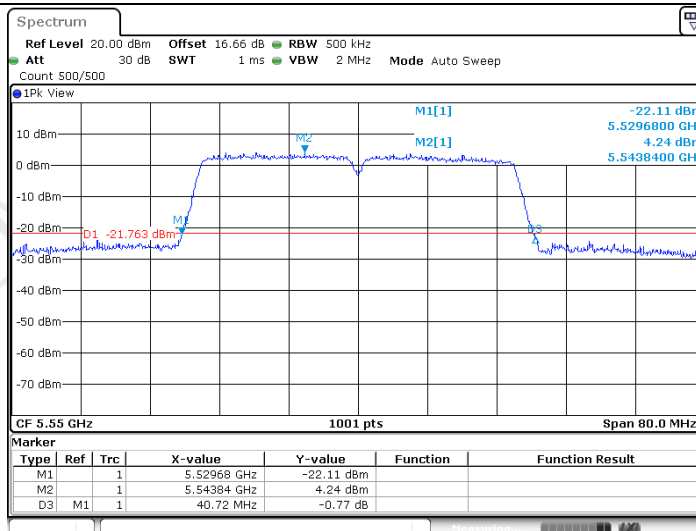
11AC40SISO_Ant1_5510



Date: 18.FEB.2021 02:06:45

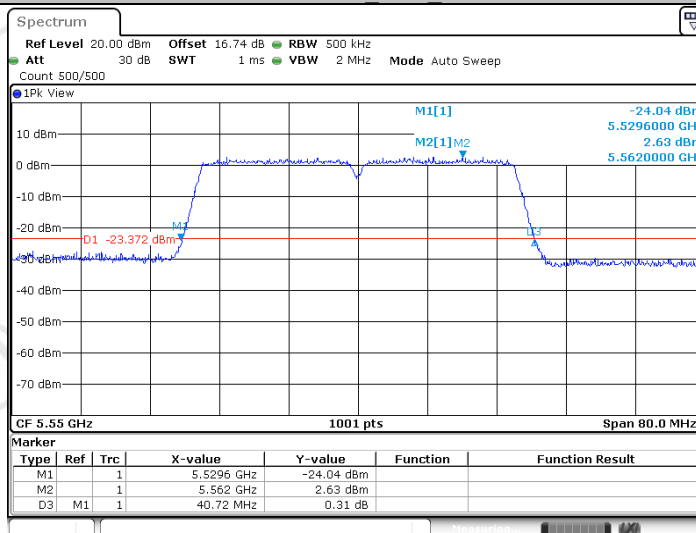
11AC40SISO_Ant2_5510

Report No. : EED39N00008304



Date: 10.FEB.2021 02:59:30

11AC40SISO Ant1 5550



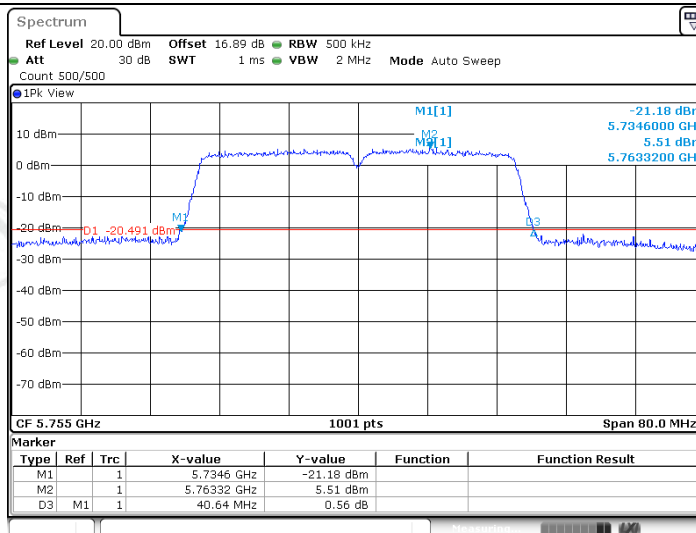
Date: 18.FEB.2021 02:10:12

11AC40SISO Ant2 5550

Report No. : EED39N00008304

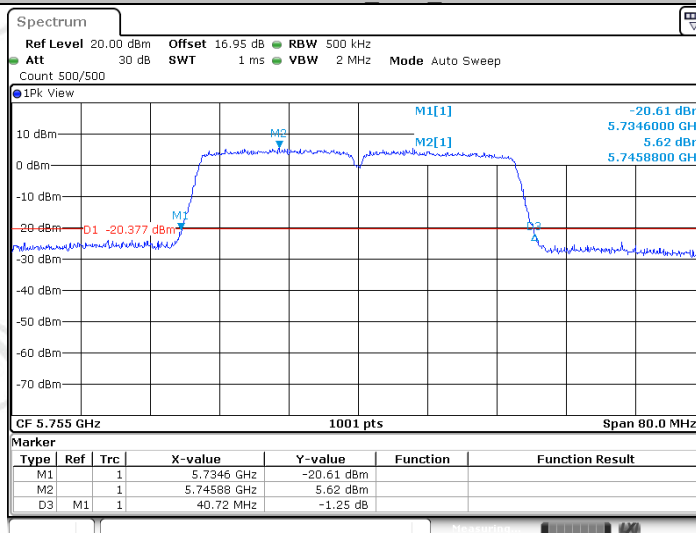


Report No. : EED39N00008304



Date: 10.FEB.2021 03:05:16

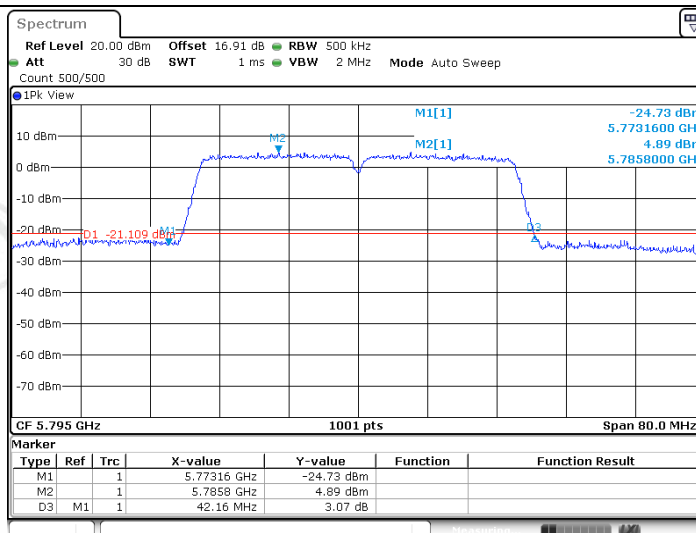
11AC40SISO Ant1 5755



Date: 18.FEB.2021 02:16:50

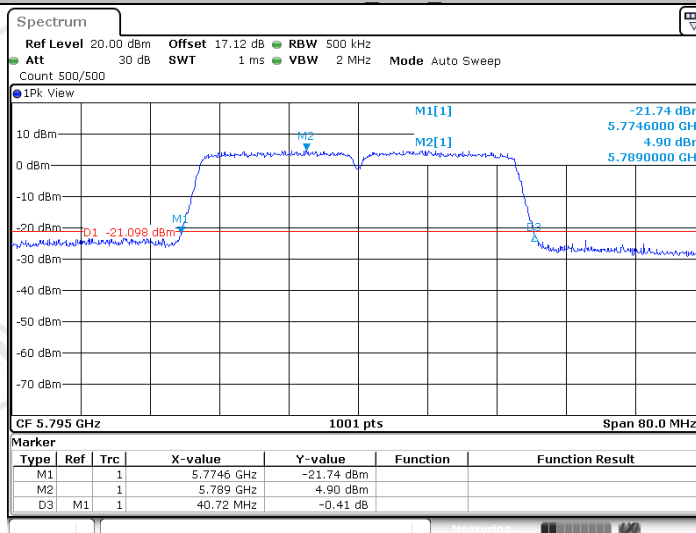
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Report No. : EED39N00008304



Date: 10.FEB.2021 03:08:23

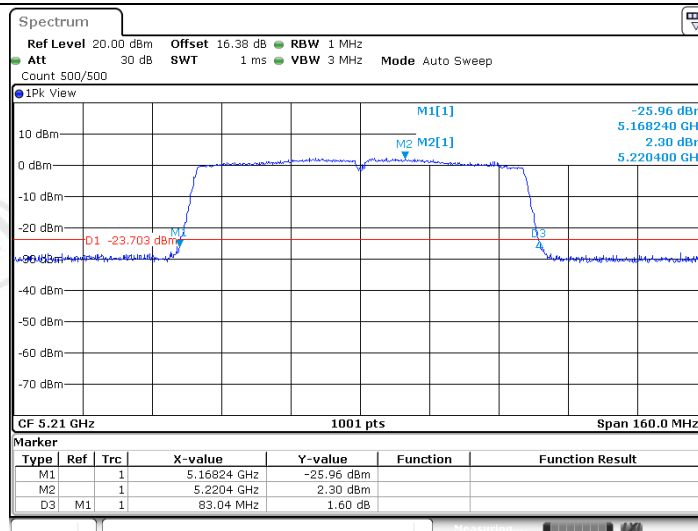
11AC40SISO Ant1 5795



Date: 18.FEB.2021 02:20:22

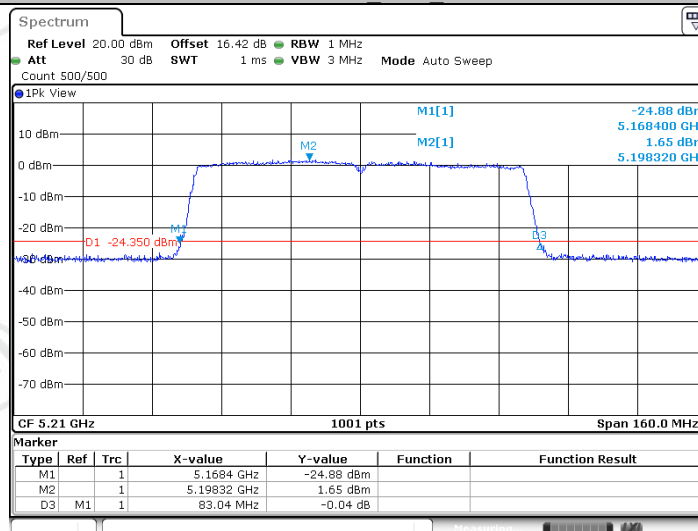
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Report No. : EED39N00008304



Date: 25.FEB.2021 07:24:19

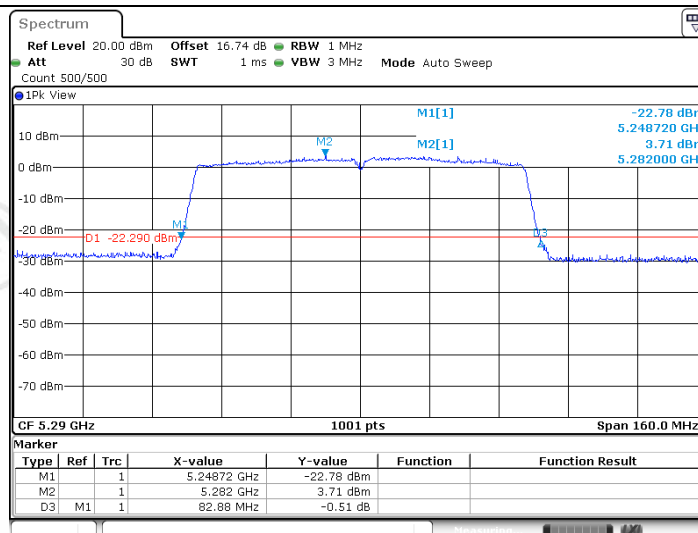
11AC80SISO Ant1 5210



Date: 25.FEB.2021 07:30:41

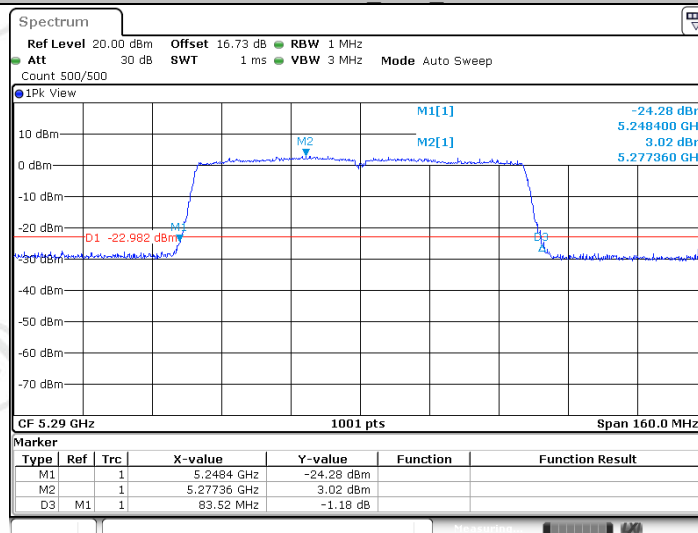
11AC80SISO Ant2 5210

Report No. : EED39N00008304



Date: 25.FEB.2021 07:25:09

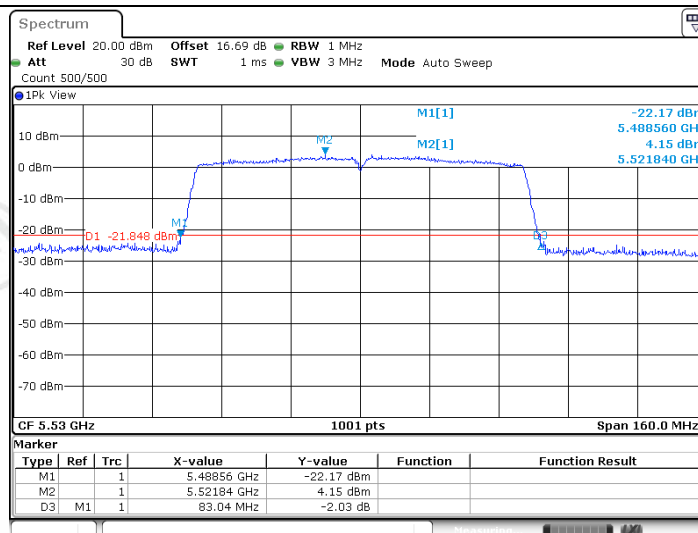
11AC80SISO_Ant1_5290



Date: 25.FEB.2021 07:31:34

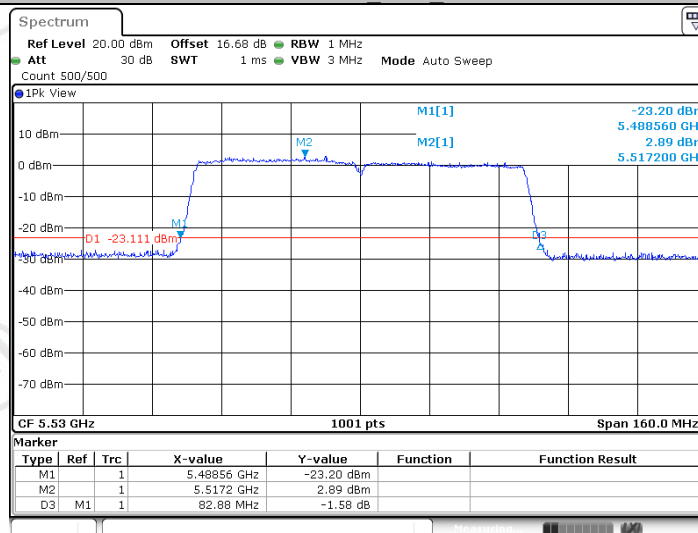
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Report No. : EED39N00008304



Date: 25.FEB.2021 07:26:22

11AC80SISO_Ant1_5530



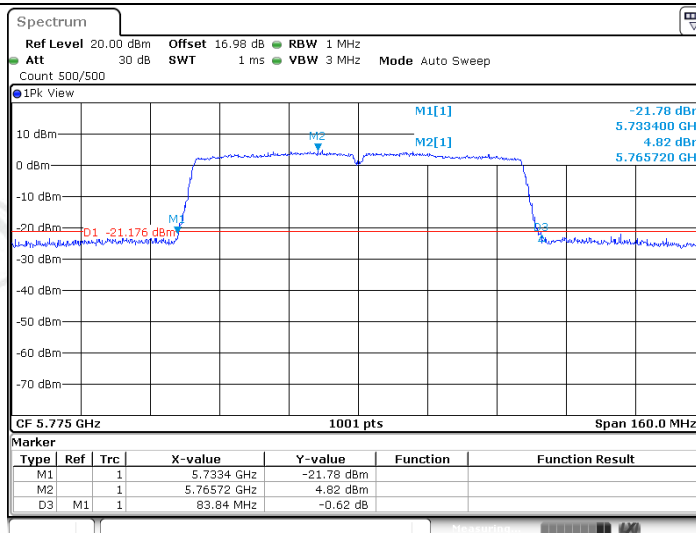
Date: 25.FEB.2021 07:34:26

11AC80SISO_Ant2_5530

Report No. : EED39N00008304

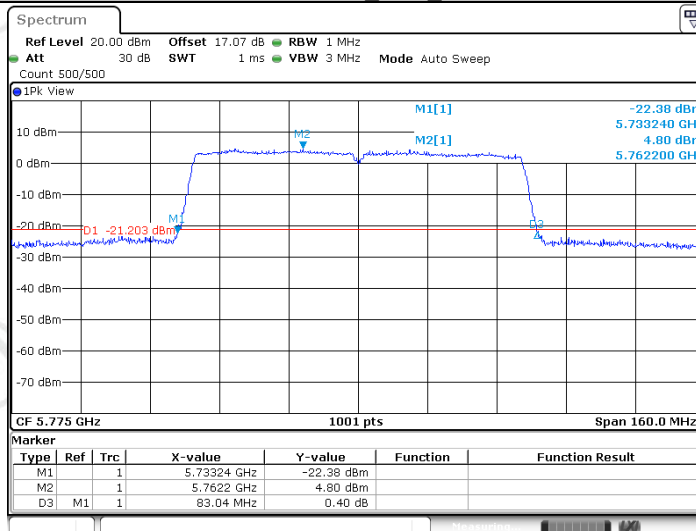


Report No. : EED39N00008304



Date: 25.FEB.2021 07:29:07

11AC80SISO Ant1 5775

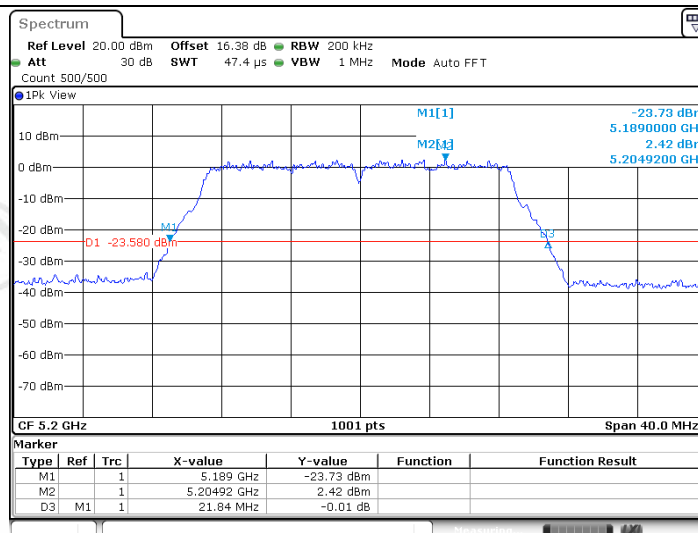


Date: 25.FEB.2021 07:41:12

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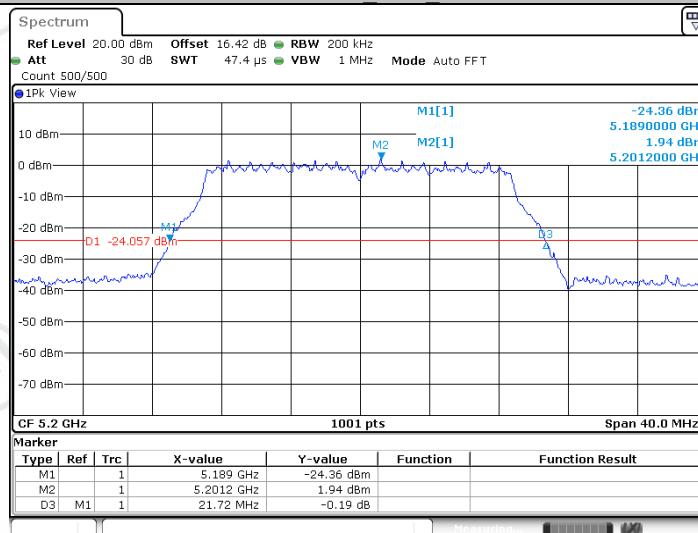


Report No. : EED39N00008304



Date: 18.FEB.2021 03:18:16

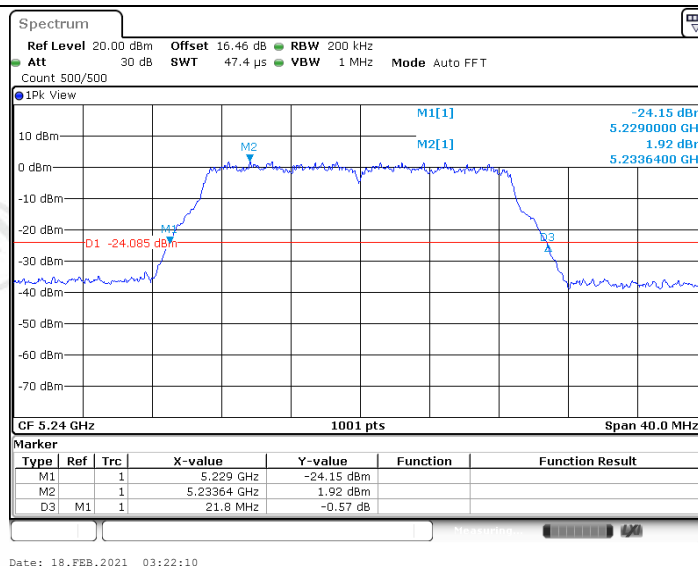
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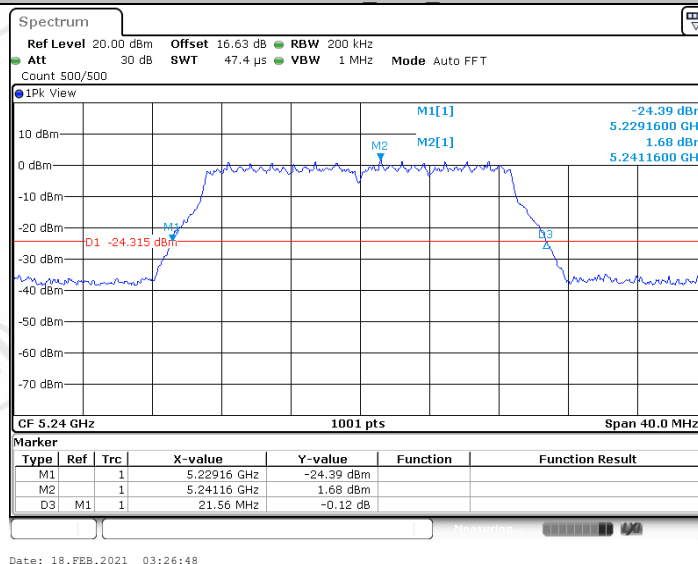
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11N20MIMO Ant2 5200

Report No. : EED39N00008304



11N20MIMO Ant1 5240

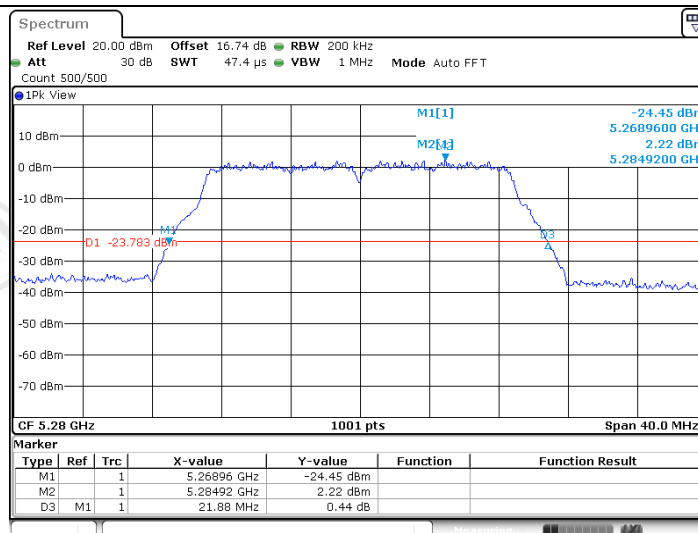


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Report No. : EED39N00008304

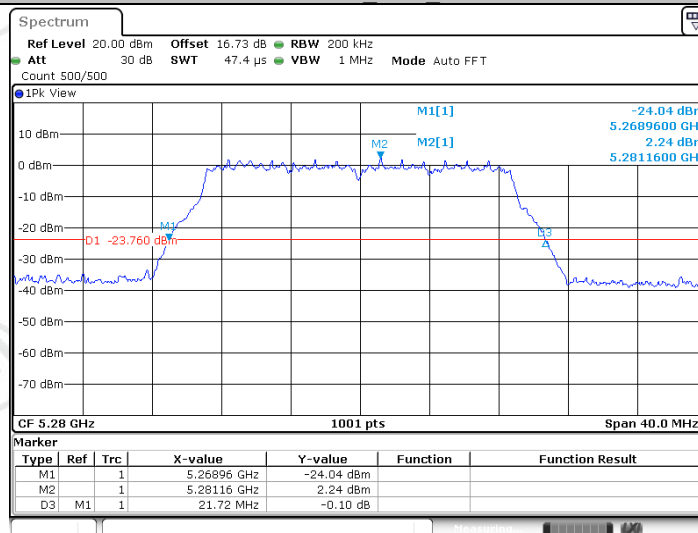


Report No. : EED39N00008304



Date: 18.FEB.2021 03:34:07

11N20MIMO Ant1 5280



Date: 18.FEB.2021 03:37:04

11N20MIMO Ant2 5280

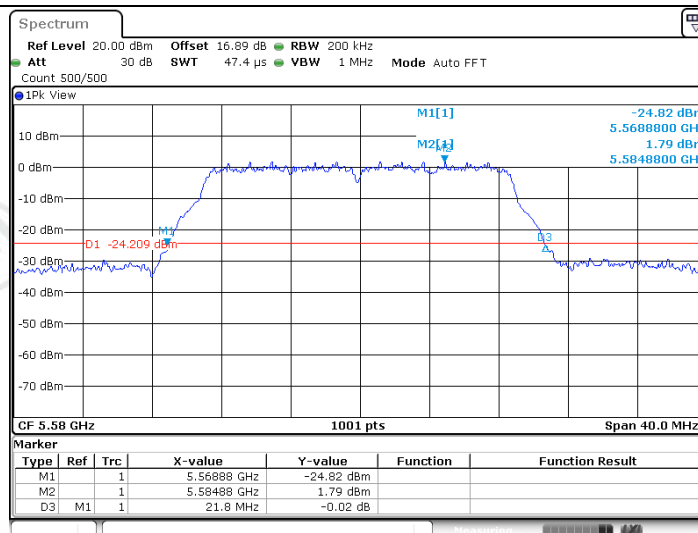
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Report No. : EED39N00008304

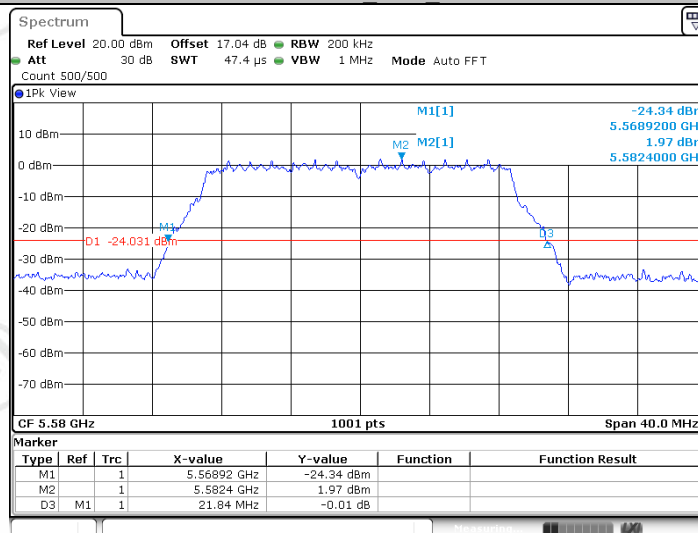


Report No. : EED39N00008304



Date: 18.FEB.2021 03:54:29

11N20MIMO Ant1 5580



Date: 18.FEB.2021 03:58:09

11N20MIMO Ant2 5580

Report No. : EED39N00008304



Report No. : EED39N00008304

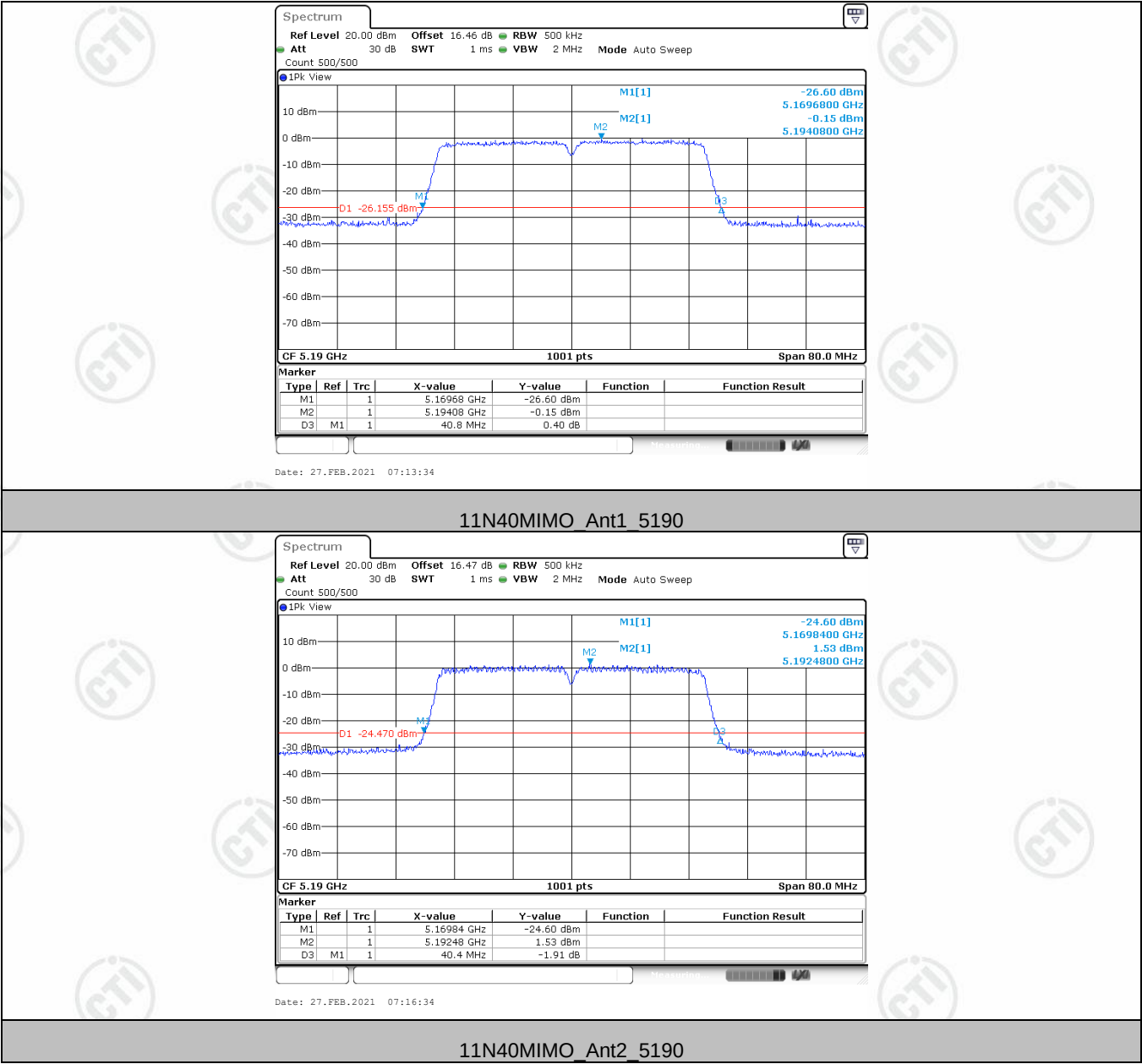


Report No. : EED39N00008304



Report No. : EED39N00008304

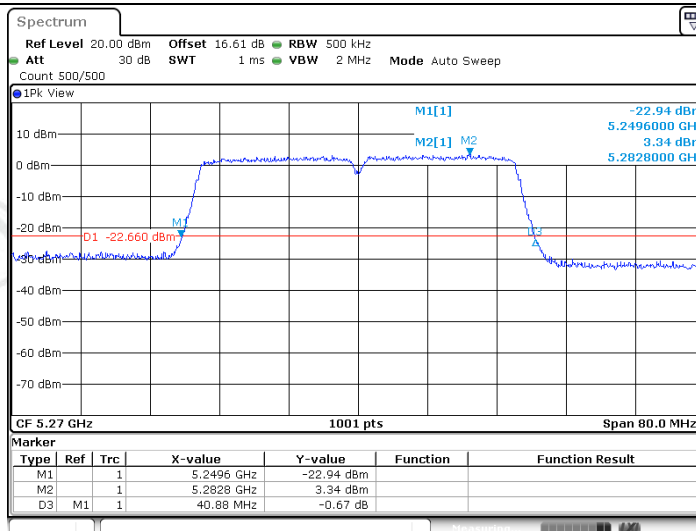




Report No. : EED39N00008304

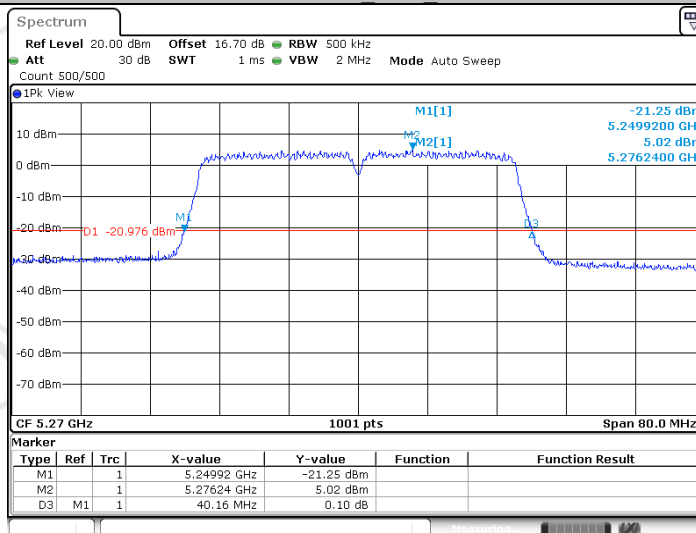


Report No. : EED39N00008304



Date: 18.FEB.2021 06:07:38

11N40MIMO Ant1 5270

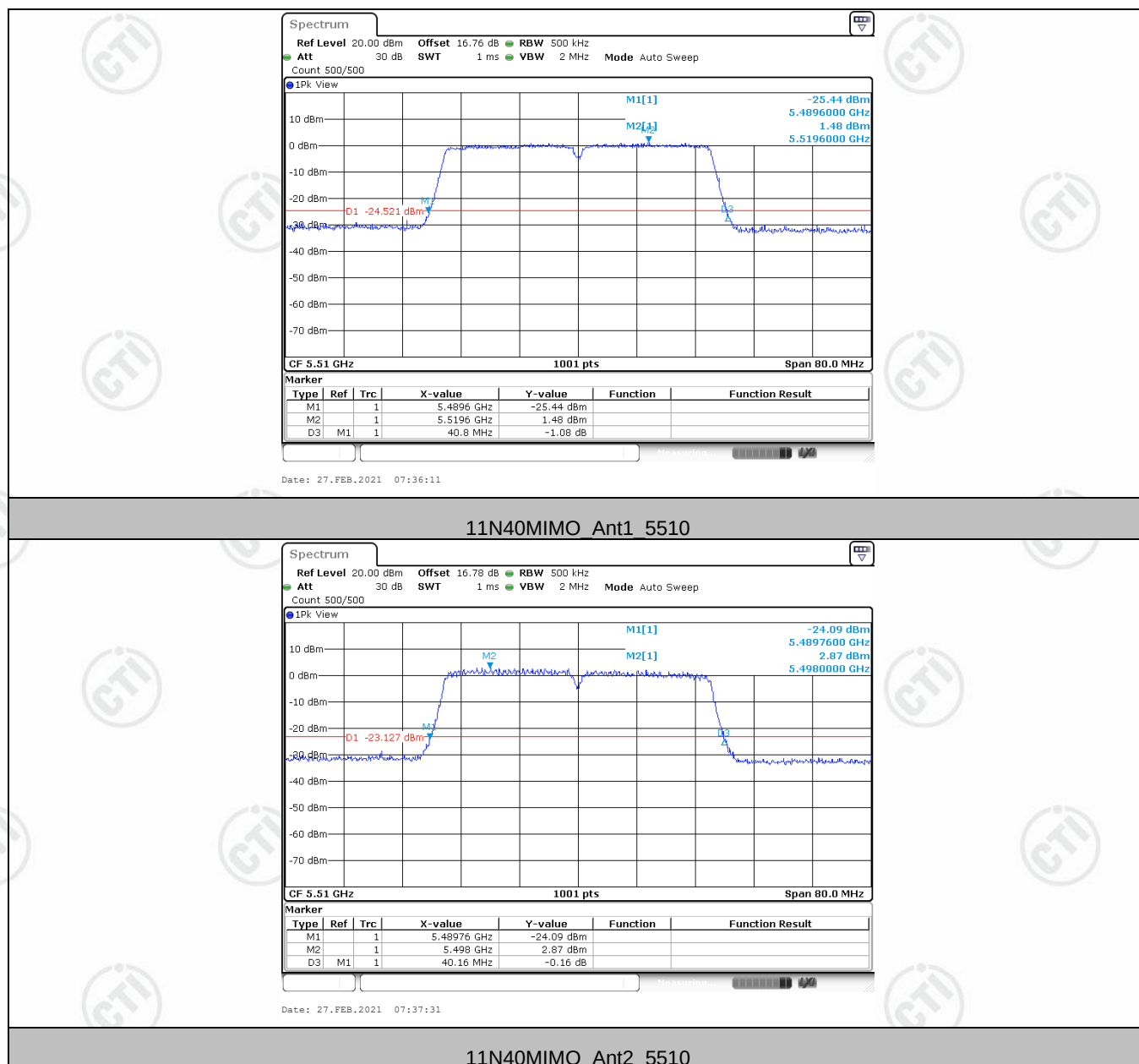


Date: 18.FEB.2021 06:09:45

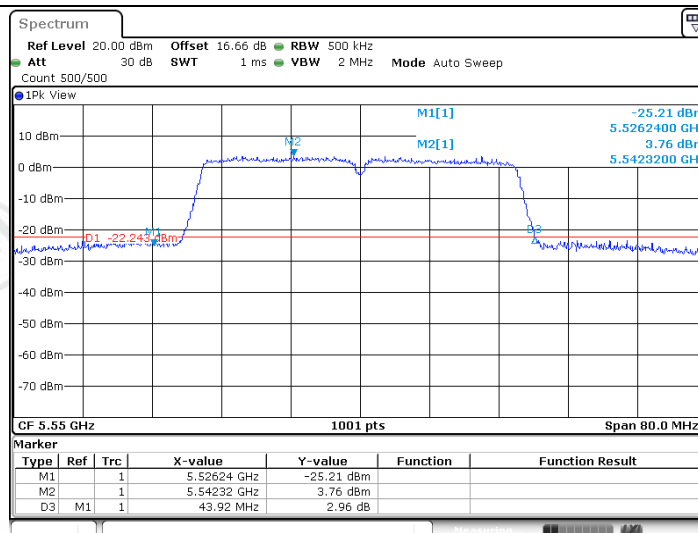
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Report No. : EED39N00008304

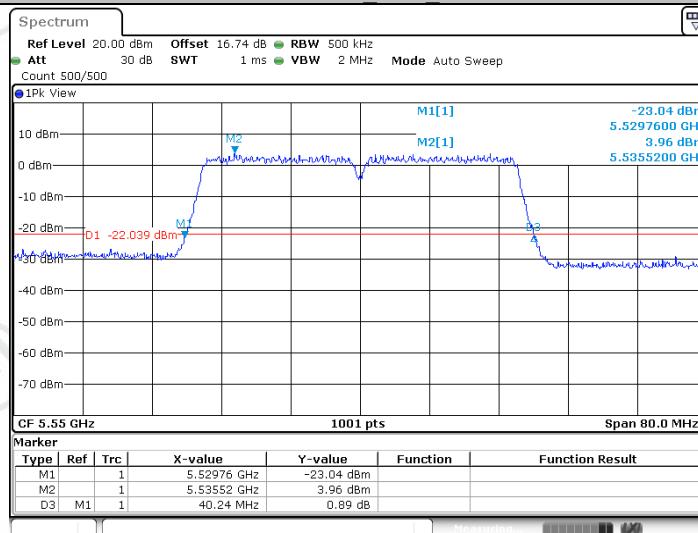


Report No. : EED39N00008304



Date: 18.FEB.2021 06:32:39

11N40MIMO Ant1 5550



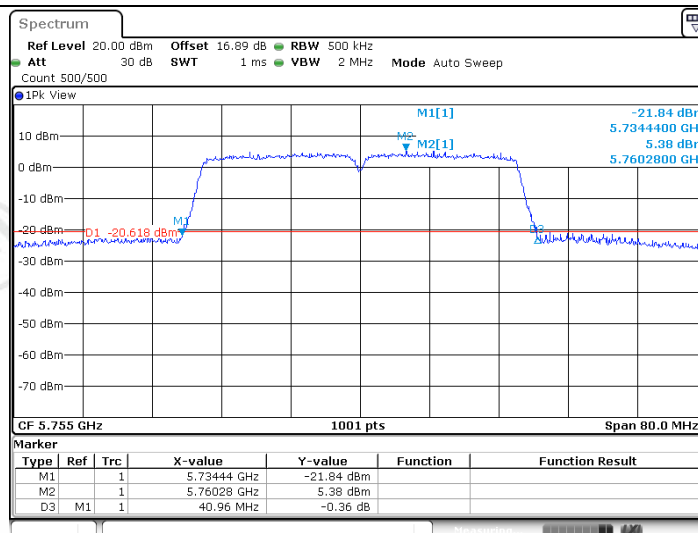
Date: 18.FEB.2021 06:35:05

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Report No. : EED39N00008304

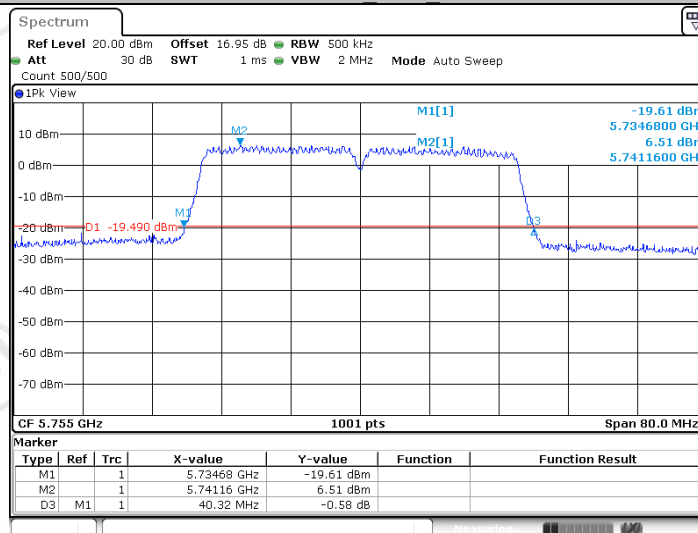


Report No. : EED39N00008304



Date: 18.FEB.2021 06:55:11

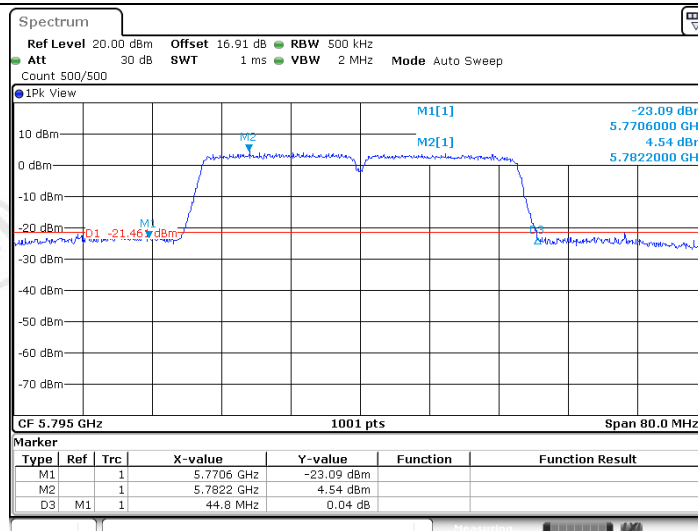
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Date: 18.FEB.2021 07:56:31

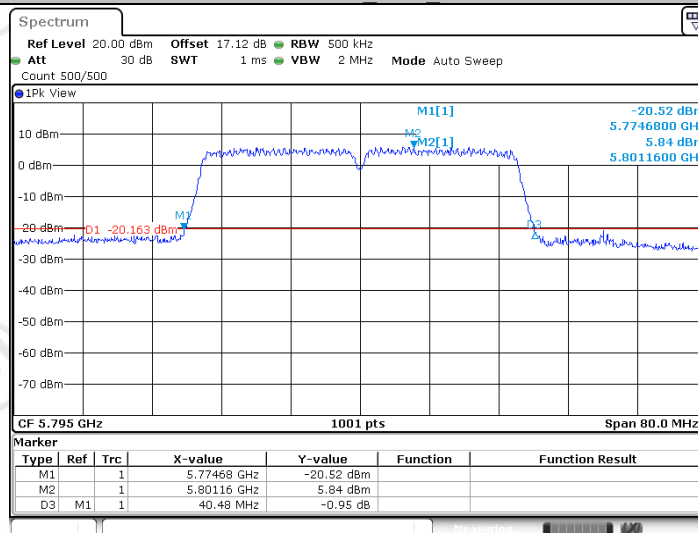
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Report No. : EED39N00008304



Date: 18.FEB.2021 08:00:44

11N40MIMO Ant1 5795



Date: 18.FEB.2021 08:05:29

11N40MIMO Ant2 5795





Report No. : EED39N00008304



Report No. : EED39N00008304



Report No. : EED39N00008304





Report No. : EED39N00008304



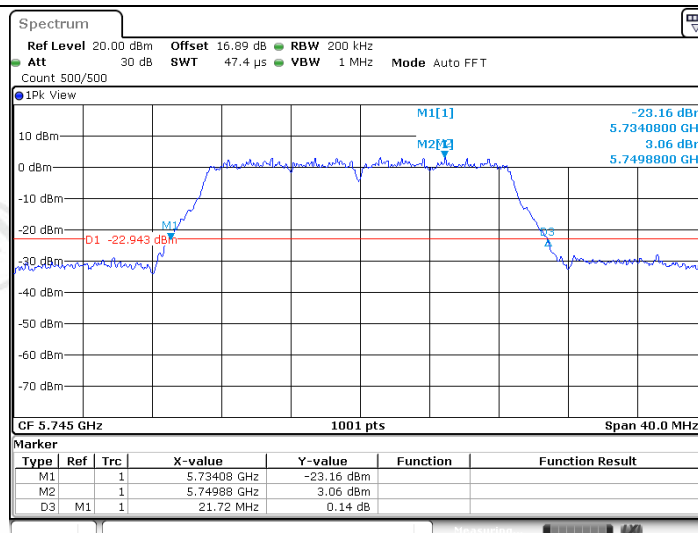
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Report No. : EED39N00008304

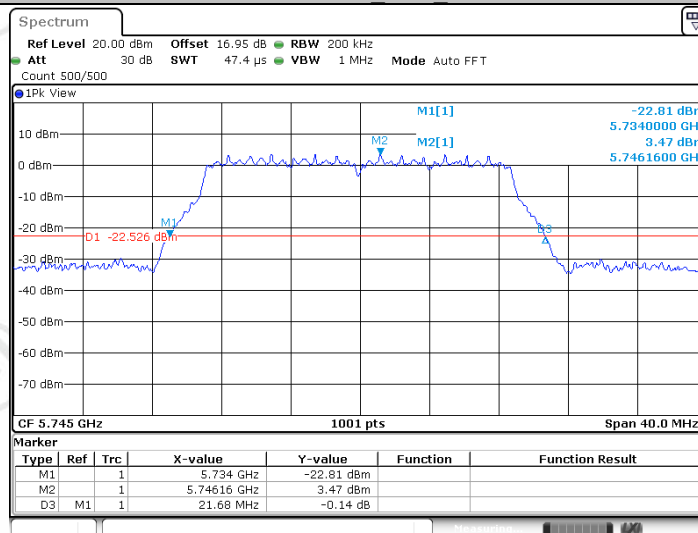


Report No. : EED39N00008304



Date: 18.FEB.2021 09:27:21

11AC20MIMO_Ant1_5745



Date: 18.FEB.2021 09:30:44

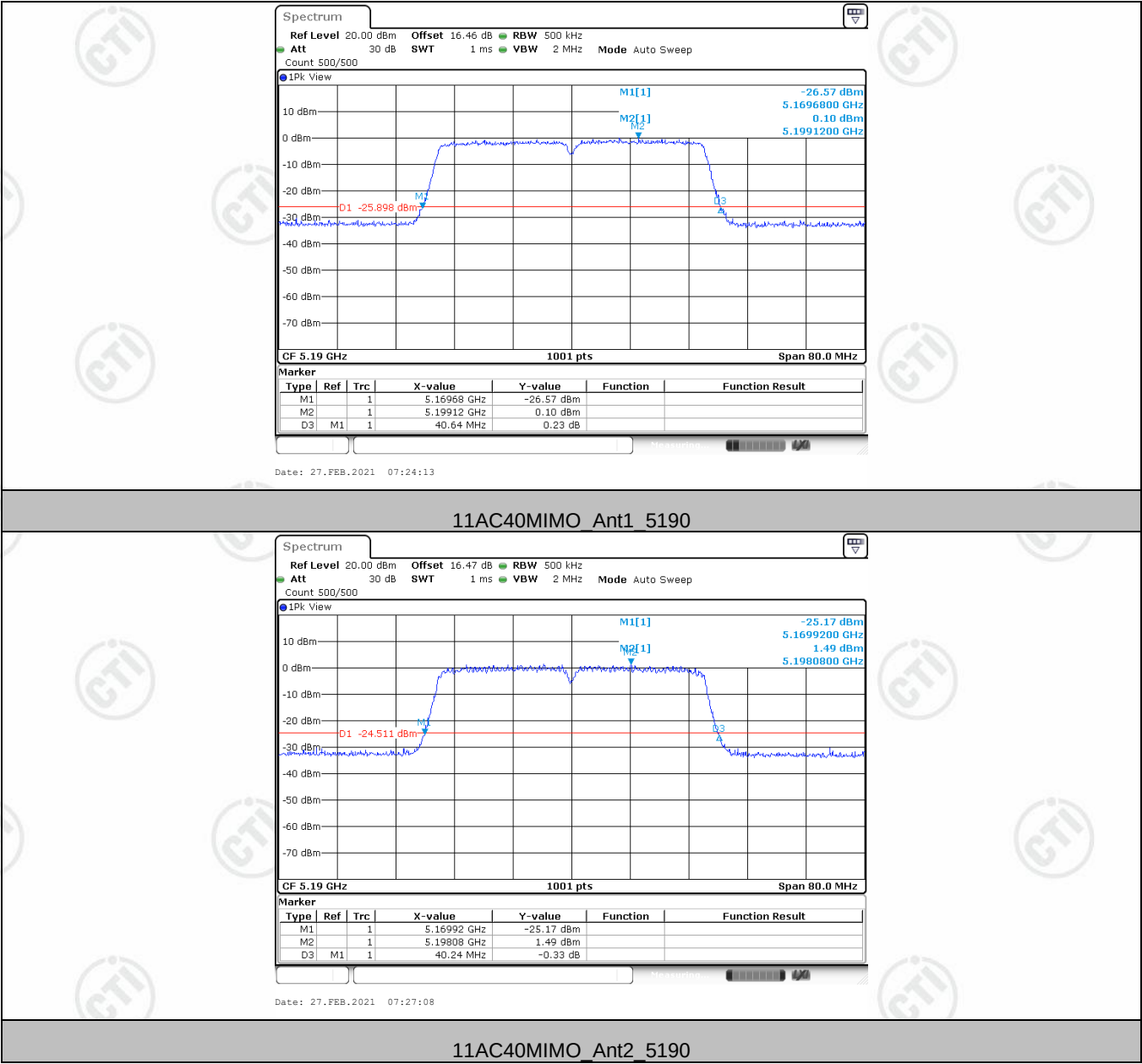
11AC20MIMO_Ant2_5745

Report No. : EED39N00008304

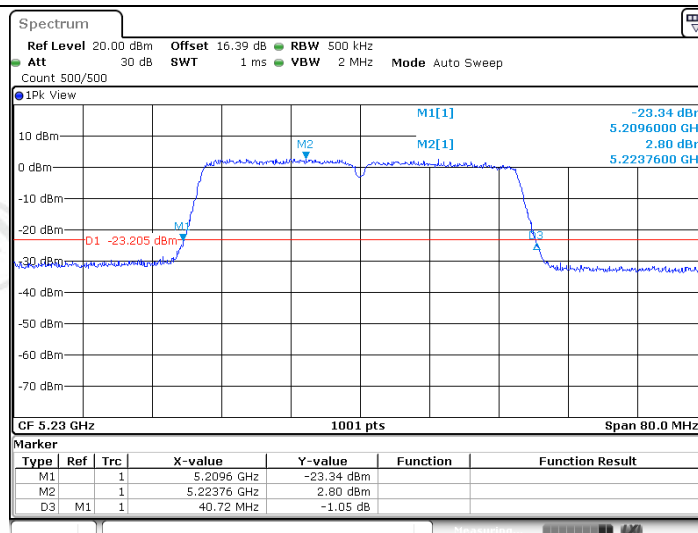




Report No. : EED39N00008304

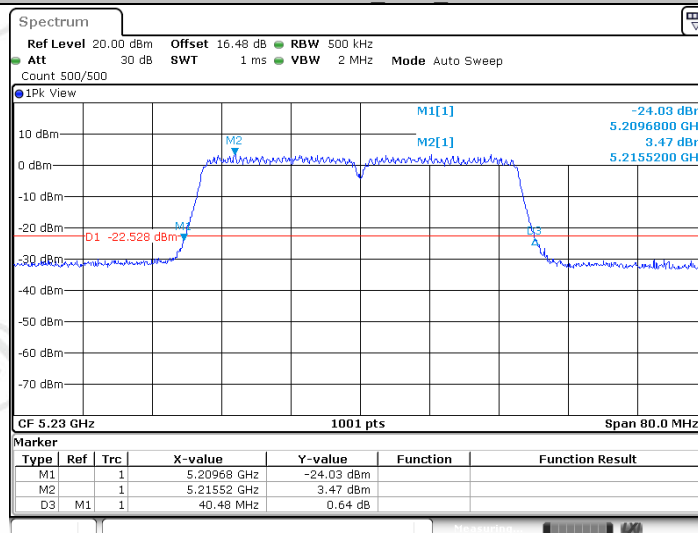


Report No. : EED39N00008304



Date: 18.FEB.2021 09:56:17

11AC40MIMO_Ant1_5230



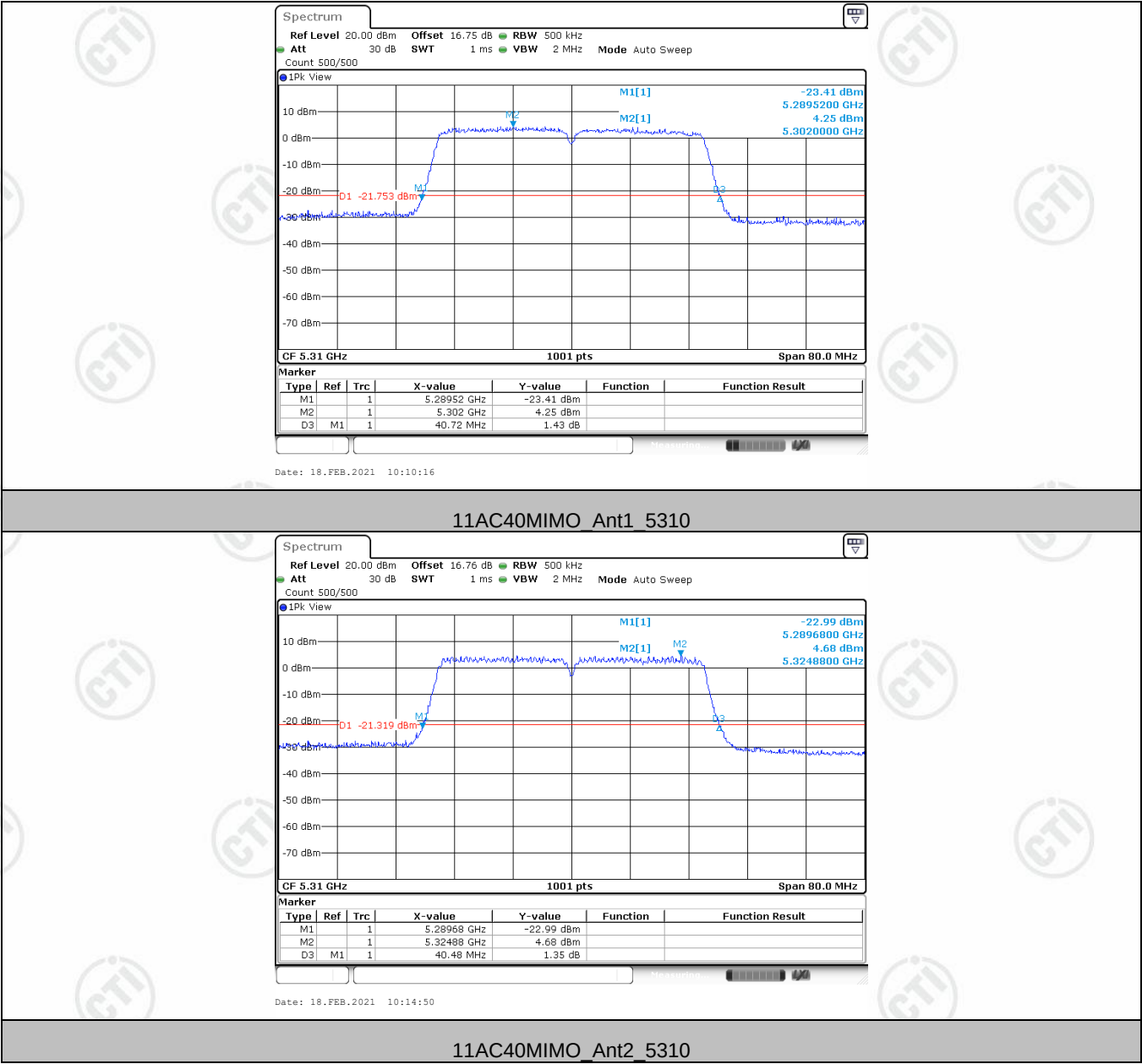
Date: 18.FEB.2021 09:59:29

11AC40MIMO_Ant2_5230

Report No. : EED39N00008304



Report No. : EED39N00008304





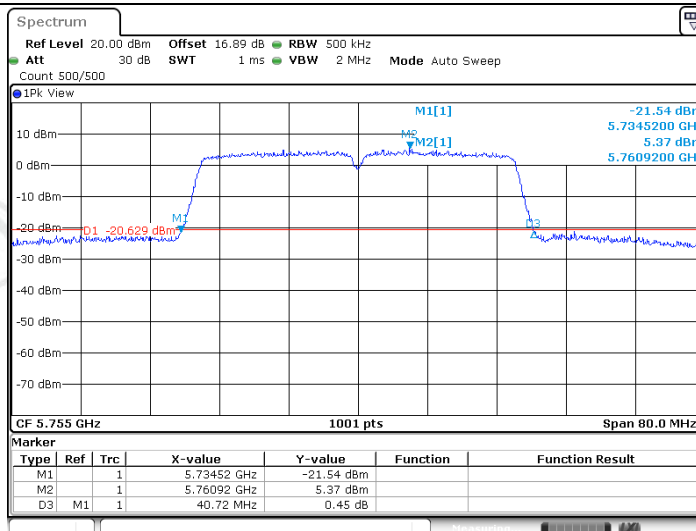
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Report No. : EED39N00008304

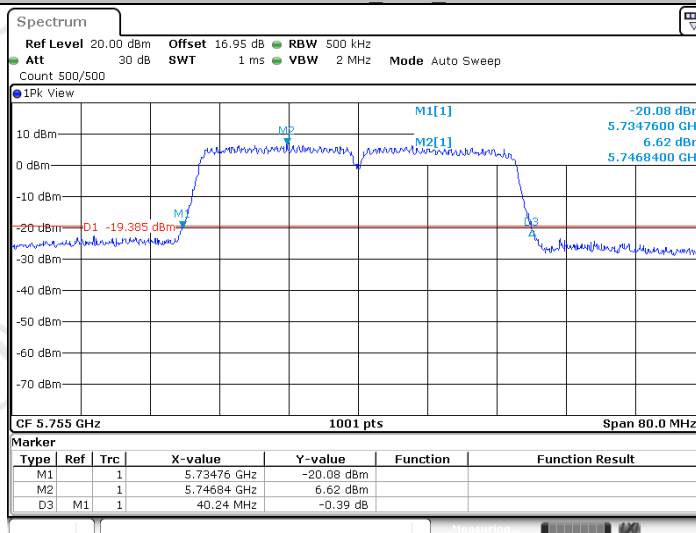


Report No. : EED39N00008304



Date: 19.FEB.2021 01:43:23

11AC40MIMO_Ant1_5755



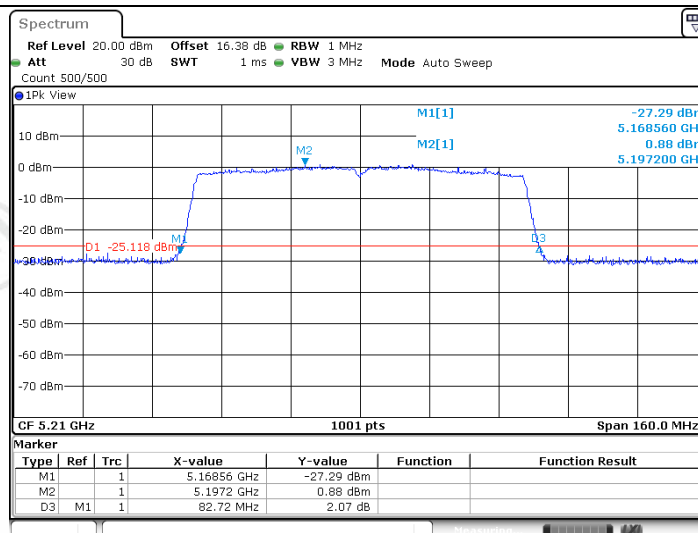
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11AC40MIMO_Ant2_5755

Report No. : EED39N00008304

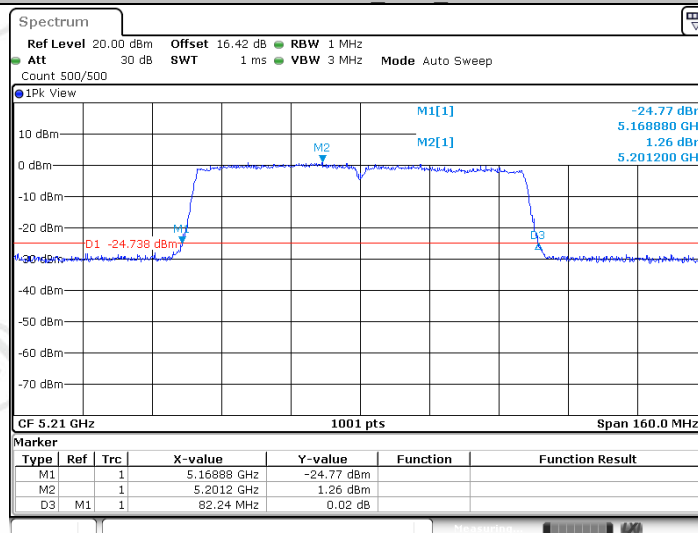


Report No. : EED39N00008304



Date: 27.FEB.2021 07:30:27

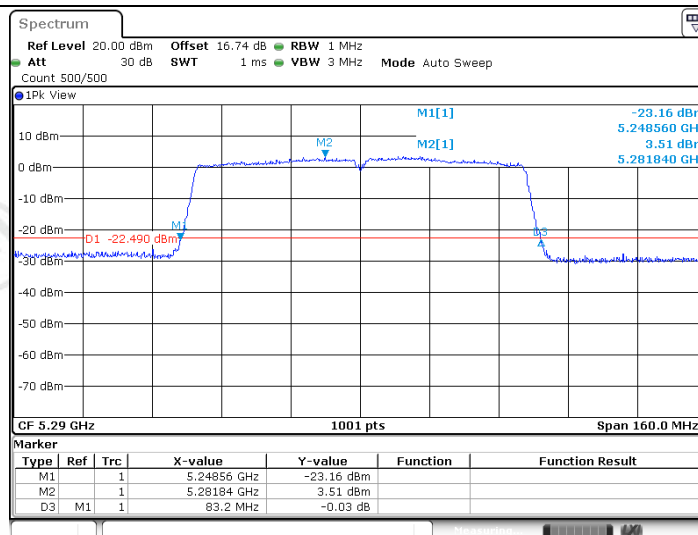
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Date: 27.FEB.2021 07:31:53

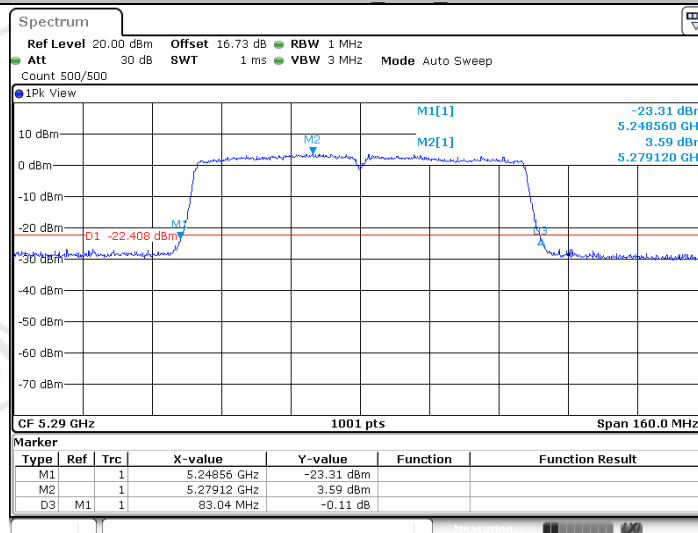
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Report No. : EED39N00008304



Date: 25.FEB.2021 08:08:36

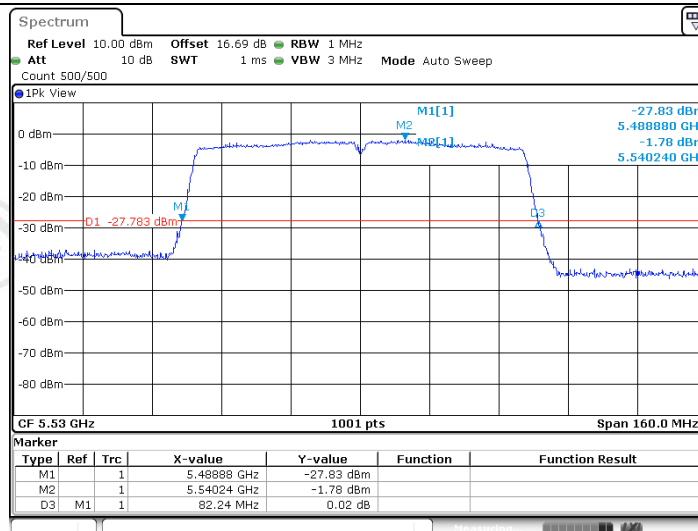
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Date: 25.FEB.2021 08:09:55

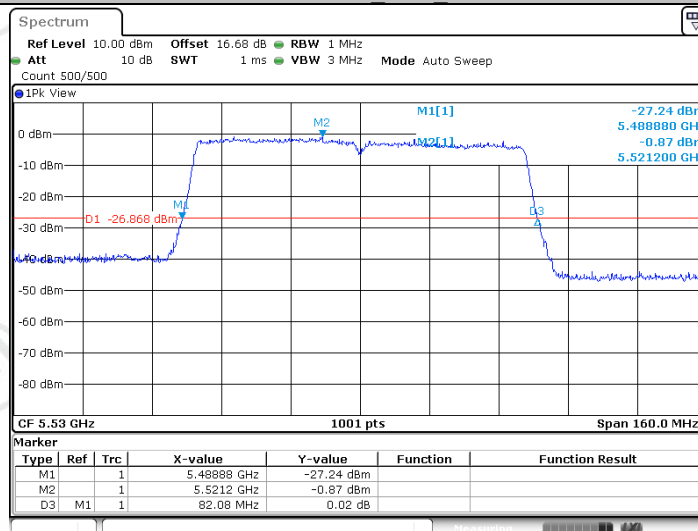
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Report No. : EED39N00008304



Date: 27.FEB.2021 07:52:58

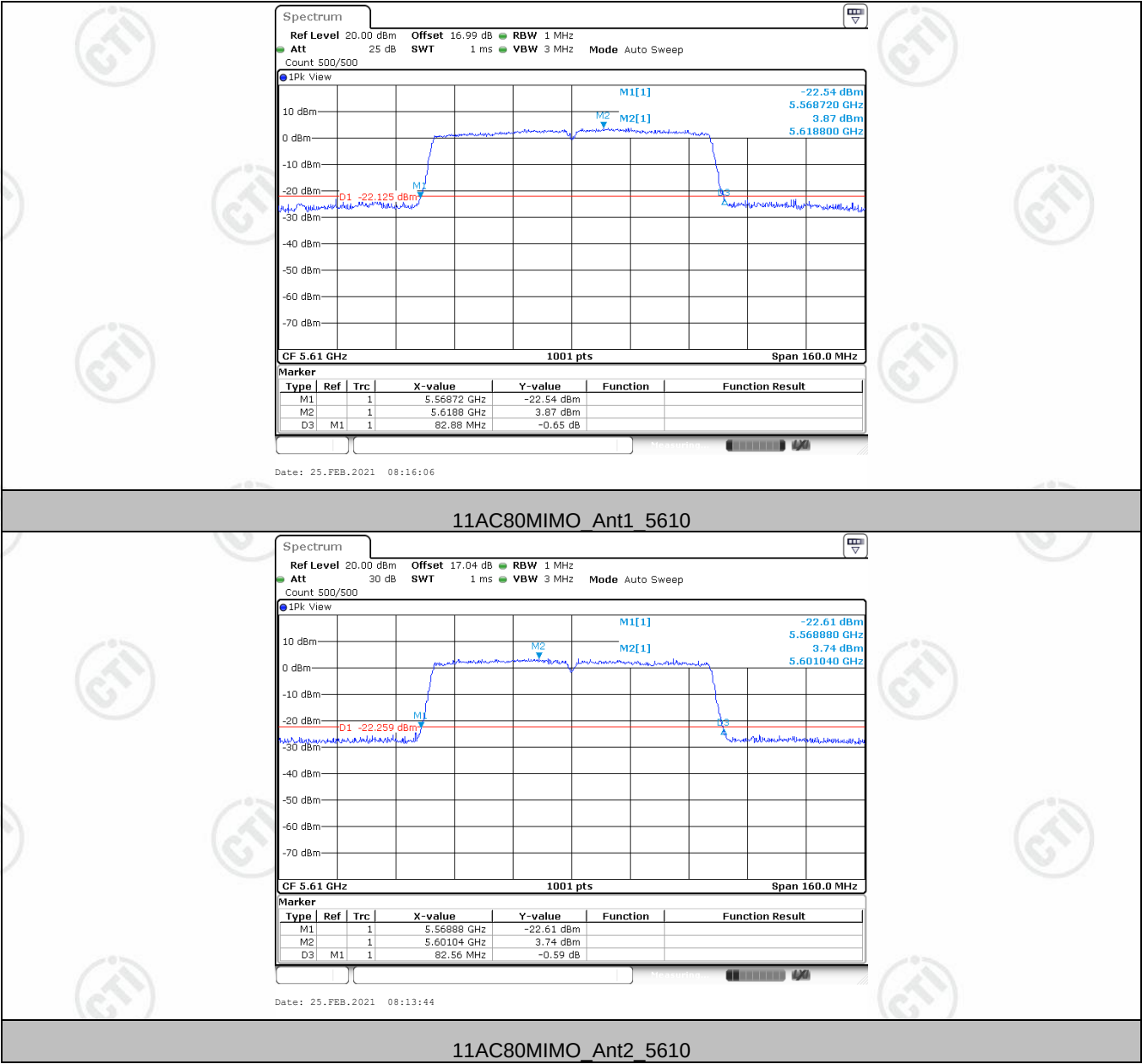
11AC80MIMO_Ant1_5530



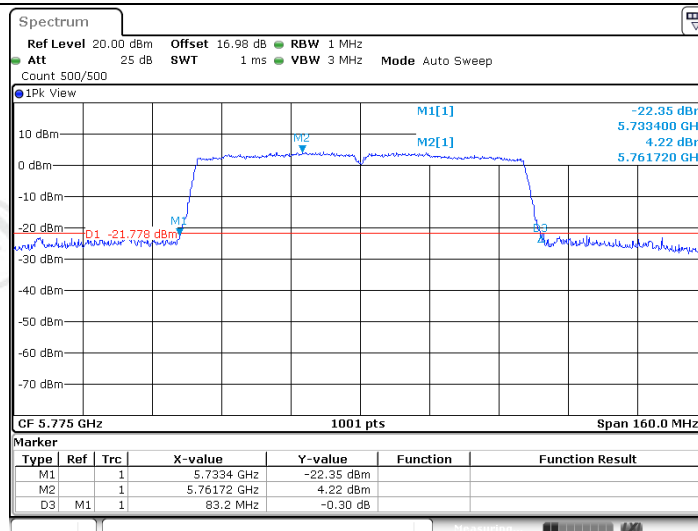
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11AC80MIMO_Ant2_5530

Report No. : EED39N00008304

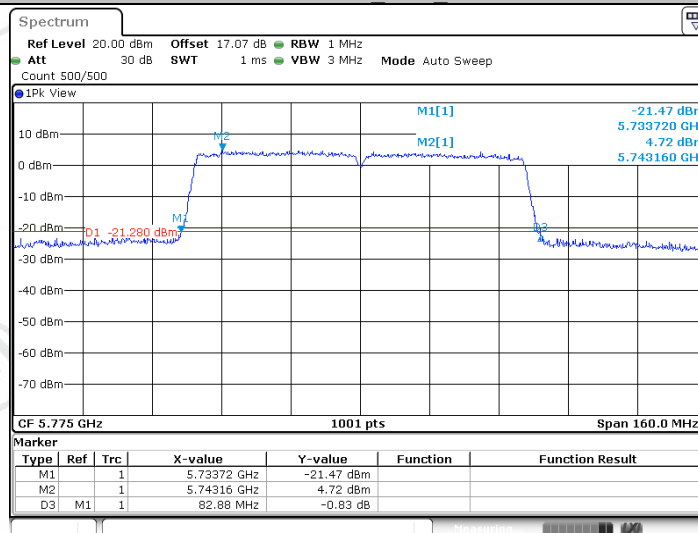


Report No. : EED39N00008304



Date: 25.FEB.2021 08:21:37

11AC80MIMO_Ant1_5775



Date: 25.FEB.2021 08:19:27

11AC80MIMO_Ant2_5775