FCC TEST REPORT

Application No:	ZR/2020/30010
Applicant:	Xiaomi Communications Co., Ltd.
Address of Applicant	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer:	Xiaomi Communications Co., Ltd.
Address of Manufacturer:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
EUT Description:	Mobile Phone
Model No.:	M2004J11G
Trade Mark:	POCO
FCC ID:	2AFZZJ11G
Standards:	47 CFR FCC Part 2, Subpart J 47 CFR FCC Part 15, Subpart C 47 CFR FCC Part 15, Subpart E
Test Method	KDB 789033 D02 General UNII Test Procedures New Rules v02 FCC KDB 558074 D01 DTS Meas Guidance v0502 KDB 662911 D01 Multiple Transmitter Output v02r01 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 KDB 905462 D03 Client Without DFS New Rules v01r02 ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices
Date of Receipt:	2020/3/12
Date of Test:	2020/3/13 to 2020/4/27
Date of Issue:	2020/4/27
Test Result:	**PASS ***

. * In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Derek Yang
Wireless Laboratory Manager

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1 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00		2020/4/27		Original

Authorized for issue by:				
Tested By		Mike Hu **(Mike Hu) /Project Engineer**		2020/4/27 **Date**
Checked By		David Chen **(David Chen) /Reviewer**		2020/4/27 **Date**

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2 Test Summary

Test Item	Band	FCC Rule	Requirements	Test Result	Verdict
Emission Bandwidth	5150-5250	15.403(i) 15.407(a)(1)	No limit.	Clause 4.5 Clause 4.6	Pass
	5250-5350	15.403(i) 15.407(a)(2)			
	5470-5725	15.403(i) 15.407(a)(2)			
	5725-5850	15.403(i) 15.407(e)	≥ 500 kHz.		
Occupied Bandwidth	5150-5250	KDB 789033 D02§ D	No limit.		Pass
	5250-5350				
	5470-5725				
	5725-5850				
Duty Cycle	5150-5850	--	No limit.	Clause 4.3	Pass
Maximum Conducted Output Power	5150-5250	15.407(a)(1) 15.407(a)(4)	FCC < 250mW (avg during transmission)	Clause 4.4	
	5250-5350	15.407(a)(2) 15.407(a)(4)	<MIN{250mW,11dBm+10*lg(EBW)} (avg during transmission)		
	5470-5725	15.407(a)(2) 15.407(a)(4)	<MIN{250mW,11dBm+10*lg(EBW)} (avg during transmission)		
	5725-5850	15.407(a)(3)	< 1W (avg during transmission)		
maximum Power Spectral Density	5150-5250	15.407(a)(1) 15.407(a)(4)	<11dBm/MHz (avg during transmission)	Clause 4.8	
	5250-5350	15.407(a)(2) 15.407(a)(4)	<11dBm/MHz (avg during transmission)		
	5470-5725	15.407(a)(2) 15.407(a)(4)	<11dBm/MHz (avg during transmission)		
	5725-5850	15.407(a)(3) 15.407(a)(4)	<30dBm/500KHz (avg during transmission)		
Unwanted Emissions that fall Outside of the Restricted Bands(Radiated)	5150-5250	15.407(b)(1) 15.407(b)(6) 15.407(b)(7) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	Clause 4.10	Pass
	5250-5350	15.407(b)(2) 15.407(b)(6) 15.407(b)(7) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		
	5470-5750	15.407(b)(3) 15.407(b)(6) 15.407(b)(7)	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted:		

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Test Item	Band	FCC Rule	Requirements	Test Result	Verdict
		15.209	<-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		
	5725-5850	15.407(b)(4) 15.407(b)(6) 15.407(b)(7) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP) F≥1GHz &out-restricted:(QP) a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges. F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		
Unwanted Emissions in the Restricted Bands (Radiated)	5150-5250 5250-5350 5470-5725 5725-5850	15.209	---	Clause 4.9	Pass
AC Power Line Conducted Emissions	5150-5250 5250-5350 5470-5725 5725-5850	15.207	---	Clause 4.2	Pass
Frequency Stability	5150-5250 5250-5350 5470-5600 5650-5725 5725-5850	15.209	---	Clause 4.11	Pass
Dynamic Frequency Selection	5250-5350 5470-5725	47 CFR Part 15, Subpart E 15.407	Channel Move Time:10 Seconds Transmission Time: milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. Non-occupancy period: Minimum 30 minutes	Clause 4.12	Pass

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3 General Information

3.1 Client Information

Applicant:	Xiaomi Communications Co., Ltd.
Address of Applicant:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer:	Xiaomi Communications Co., Ltd.
Address of Manufacturer:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

3.2 Test Location

Company:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Address:	No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China
Post code:	518057
Telephone:	+86 (0) 755 2601 2053
Fax:	+86 (0) 755 2671 0594
E-mail:	ee.shenzhen@sgs.com

3.3 Test Facility

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

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

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3.4 General Description of EUT

EUT Description:	Mobile Phone
Model No.:	M2004J11G
Trade Mark:	POCO
Hardware Version:	P2
Software Version:	MIUI11
IEEE 802.11 WLAN Mode Supported	☒ 802.11a (20 MHz channel bandwidth) ; ☒ 802.11n (20 MHz channel bandwidth); ☒ 802.11n (40 MHz channel bandwidth); ☒ 802.11ac (20 MHz channel bandwidth); ☒ 802.11ac (40 MHz channel bandwidth); ☒ 802.11ac (80 MHz channel bandwidth) ; ☒ 802.11ax (20 MHz channel bandwidth); ☒ 802.11ax (40 MHz channel bandwidth); ☒ 802.11ax(80 MHz channel bandwidth) ;
Operation Frequency:	IEEE 802.11a/n(HT20/40)/ac(HT20/40/80/)/ax(HT20/40/80): 5150MHz to 5250MHz IEEE 802.11a/n(HT20/40)/ac(HT20/40/80)/ax(HT20/40/80): 5250MHz to 5350MHz IEEE 802.11a/n(HT20/40)/ac(HT20/40/80)/ax(HT20/40/80): 5470MHz to 5725MHz IEEE 802.11a/n(HT20/40)/ac(HT20/40/80)/ax(HT20/40/80): 5725MHz to 5825MHz
Type of Modulation:	OFDM
DFS mode:	☐Master ☐ Slave with radar detection ☒Slave without radar detection
Sample Type:	☒Portable Device, ☐Module
Antenna Type:	PIFA Antenna
Antenna Ports	☒ Ant 1, ☒ Ant 2
Smart System	☐ SISO (for 802.11a/n/ac), ☒ MIMO (for 802.11n/ac), ☐ Diversity (for 802.11a) : Tx & Rx
Antenna Gain:	Ant1: -2.06dBi;Ant2:-1.43dBi
Power Supply	☐ AC/DC Adapter; ☒ Battery;☐ PoE:; ☐ Other:

Remark:

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

Frequency Range of Operation Operating Frequency Range (in each Band)	Number of Measurement Frequencies Required	Location of Measurement Frequency in Band of Operation
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre

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For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac/ax 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n/ac/ax 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac/ax 80MHz	The Middle channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac/ax 20MHz	The Lowest channel	5260
	The Middle channel	5280
	The Highest channel	5320
IEEE 802.11n/ac/ax 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac/ax 80MHz	The Middle channel	5290

For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac/ax 20MHz	The Lowest channel	5500
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n/ac/ax 40MHz	The Lowest channel	5510
	The Middle channel	5500
	The Highest channel	5670
IEEE 802.11ac/ax 80MHz	The Lowest channel	5500
	The Highest channel	5580

For UNII Band III:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac/ax 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5805

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IEEE 802.11n/ac/ax 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac/ax 80MHz	The Middle channel	5775

3.5 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	55 % RH
Atmospheric Pressure:	101.32 KPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

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4 Test results and Measurement Data

4.1 Antenna Requirement

Test Requirement:	47 CFR Part 15 Section 15.203
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is -0.47dBi.	

4.2 Conducted Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the logarithm of the frequency.		
Test Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.		

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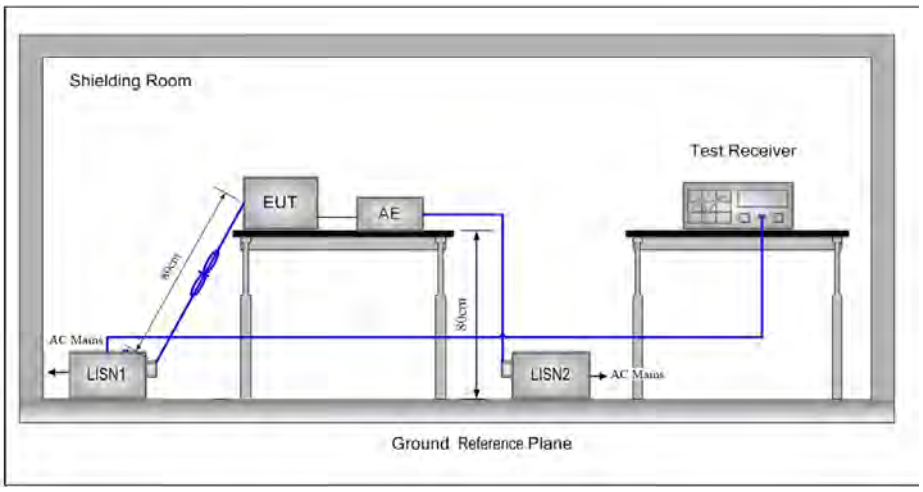
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

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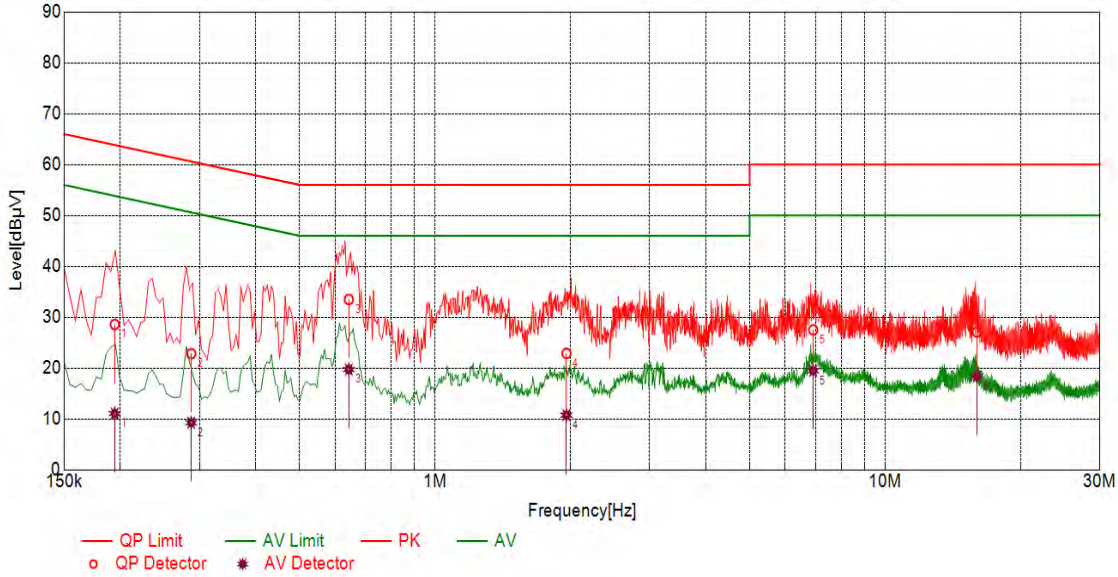
Live Line:



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1944	10.10	28.58	63.85	35.27	11.07	53.85	42.78	L
2	0.2875	10.10	22.83	60.60	37.77	9.25	50.60	41.35	L
3	0.6437	10.10	33.48	56.00	22.52	19.71	46.00	26.29	L
4	1.9597	10.10	22.87	56.00	33.13	10.75	46.00	35.25	L
5	6.9240	10.10	27.51	60.00	32.49	19.48	50.00	30.52	L
6	15.9910	10.11	27.09	60.00	32.91	18.33	50.00	31.67	L

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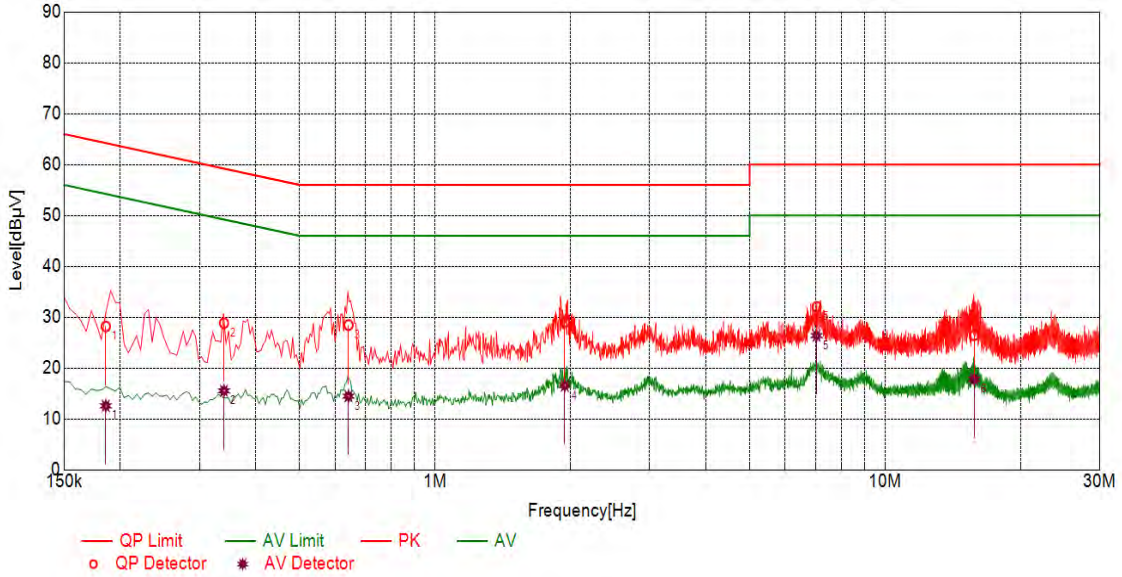
Neutral Line:



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1857	10.10	28.18	64.22	36.04	12.57	54.22	41.65	N
2	0.3399	10.10	28.85	59.21	30.36	15.52	49.21	33.69	N
3	0.6428	10.10	28.46	56.00	27.54	14.47	46.00	31.53	N
4	1.9435	10.10	29.01	56.00	26.99	16.56	46.00	29.44	N
5	7.0448	10.10	32.04	60.00	27.96	26.38	50.00	23.62	N
6	15.7742	10.11	26.48	60.00	33.52	17.82	50.00	32.18	N

Remarks:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

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4.3 Duty Cycle

4.3.1 Test Results

Test Mode	TX Freq. [MHz]	Duty cycle [%]	
		Ant1	Ant2
11A_CDD	CH36	98.58	99.45
11N20MIMO	CH36	98.42	99.11
11N40MIMO	CH38	98.76	98.48
11AC20MIMO	CH36	98.35	99.05
11AC40MIMO	CH38	99.28	99.43
11AC80MIMO	CH42	98.59	98.12
11AX20MIMO_26T	CH36	98.78	98.61
11AX20MIMO_52T	CH36	98.93	99.27
11AX20MIMO_106T	CH36	98.86	98.83
11AX20MIMO_242T	CH36	98.76	98.07
11AX40MIMO_242T	CH38	98.53	98.91
11AX40MIMO_484T	CH38	99.28	99.50
11AX80MIMO_484T	CH42	98.59	98.21
11AX80MIMO_996T	CH42	98.71	98.61

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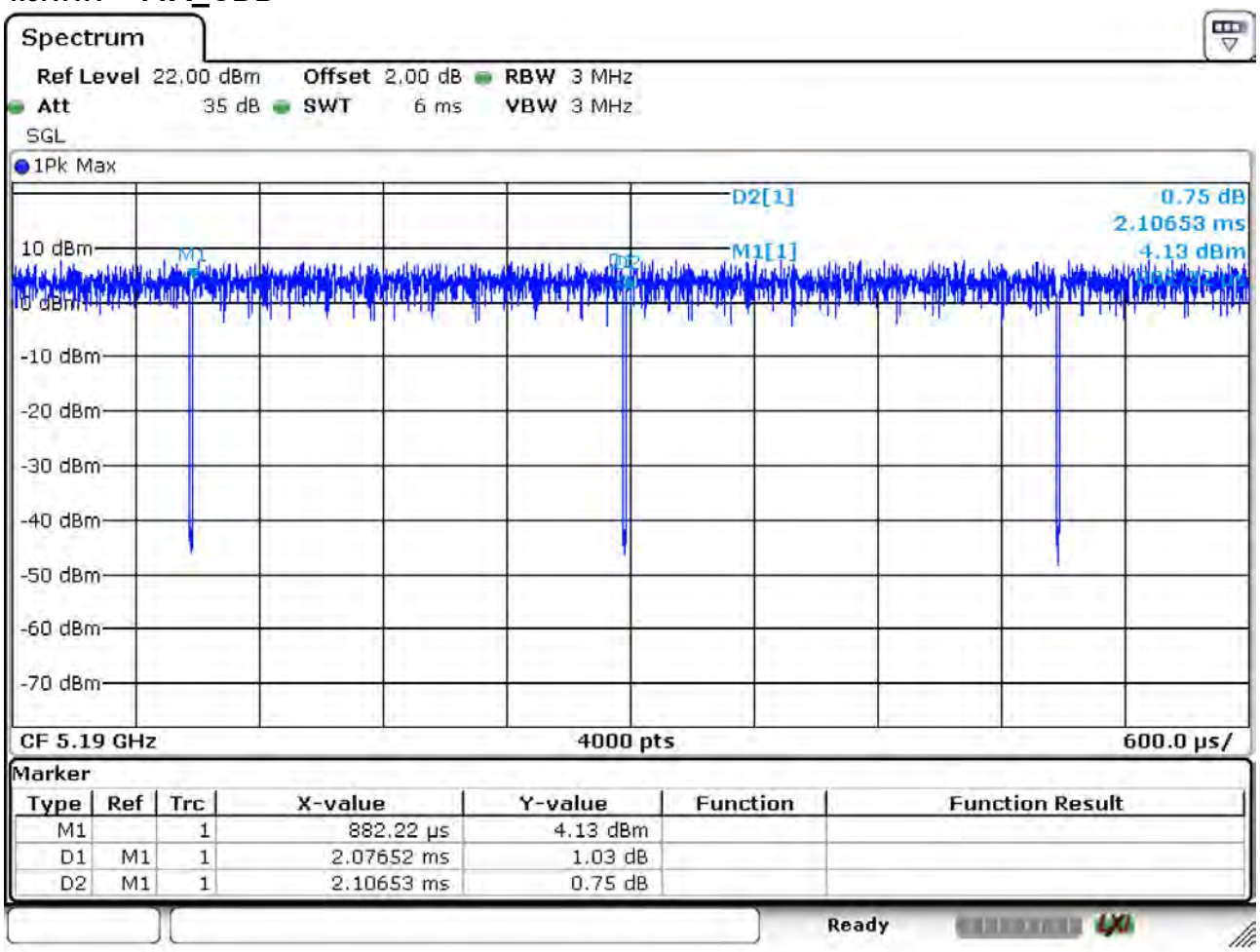
4.3.1 Test Plots

4.3.1.1 ANT1

4.3.1.1.1 11A_CDD



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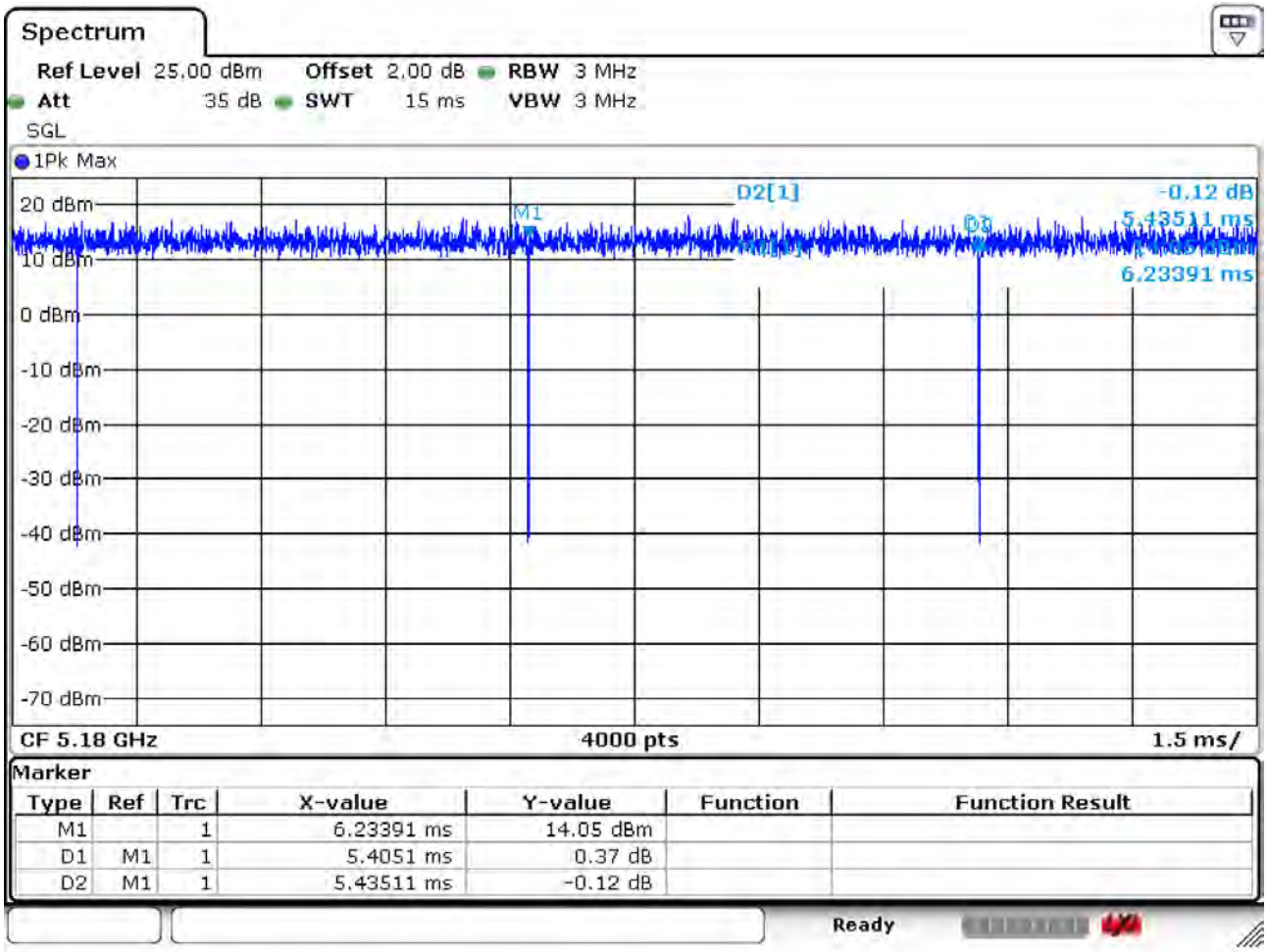
4.3.1.1.2 11N20MIMO



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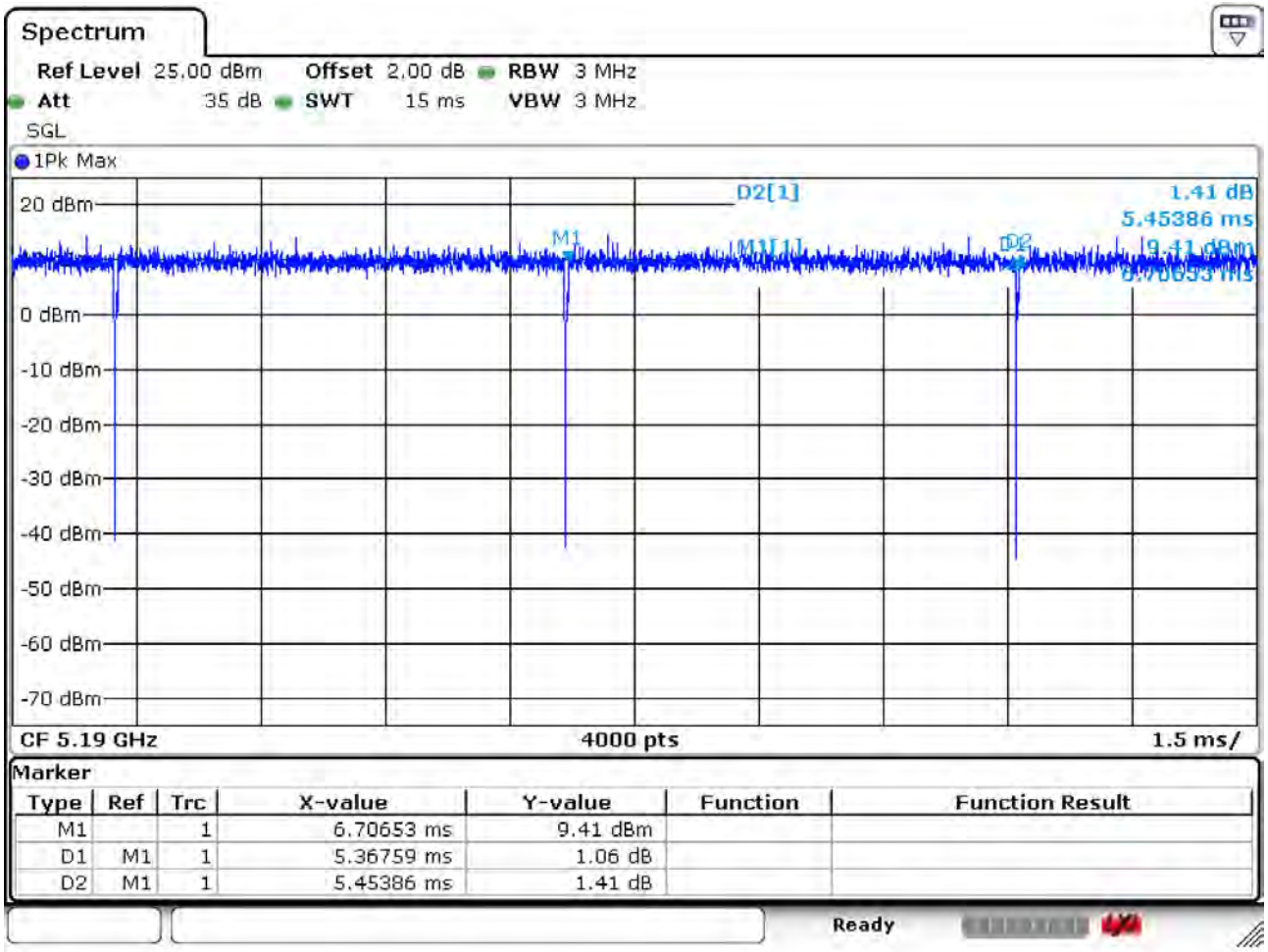
4.3.1.1.3 11N40MIMO



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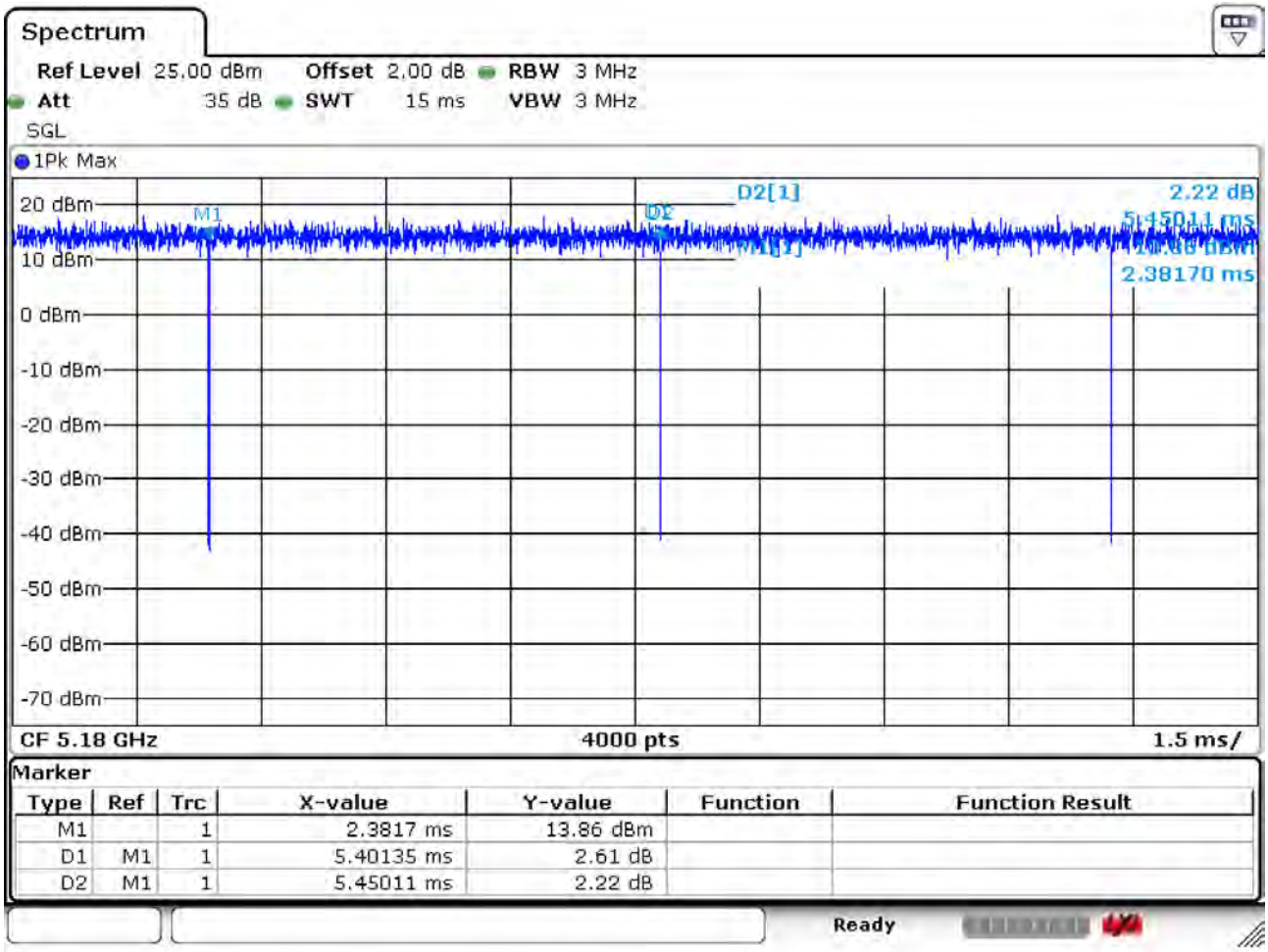
4.3.1.1.4 11AC20MIMO



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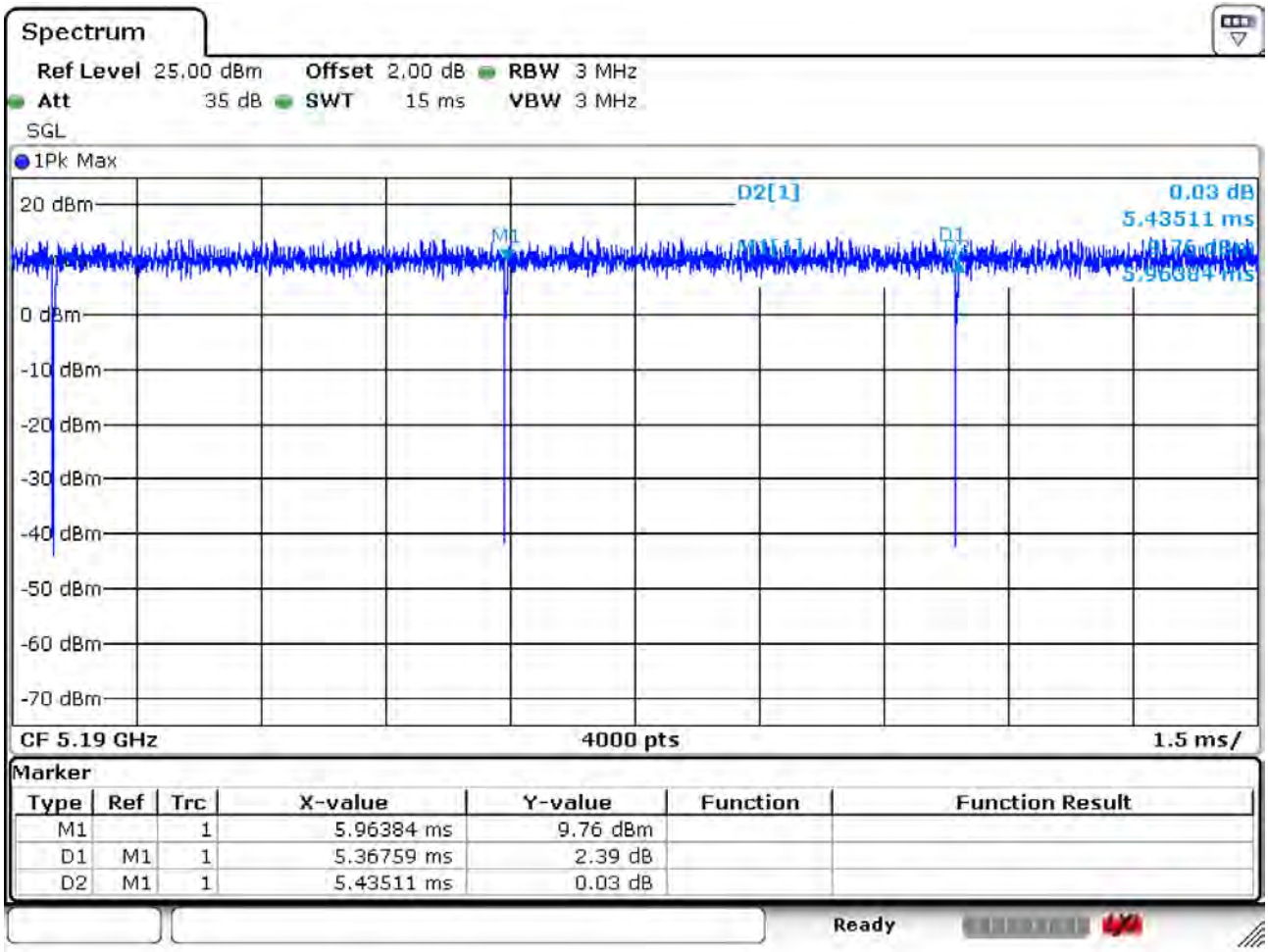
4.3.1.1.5 11AC40MIMO



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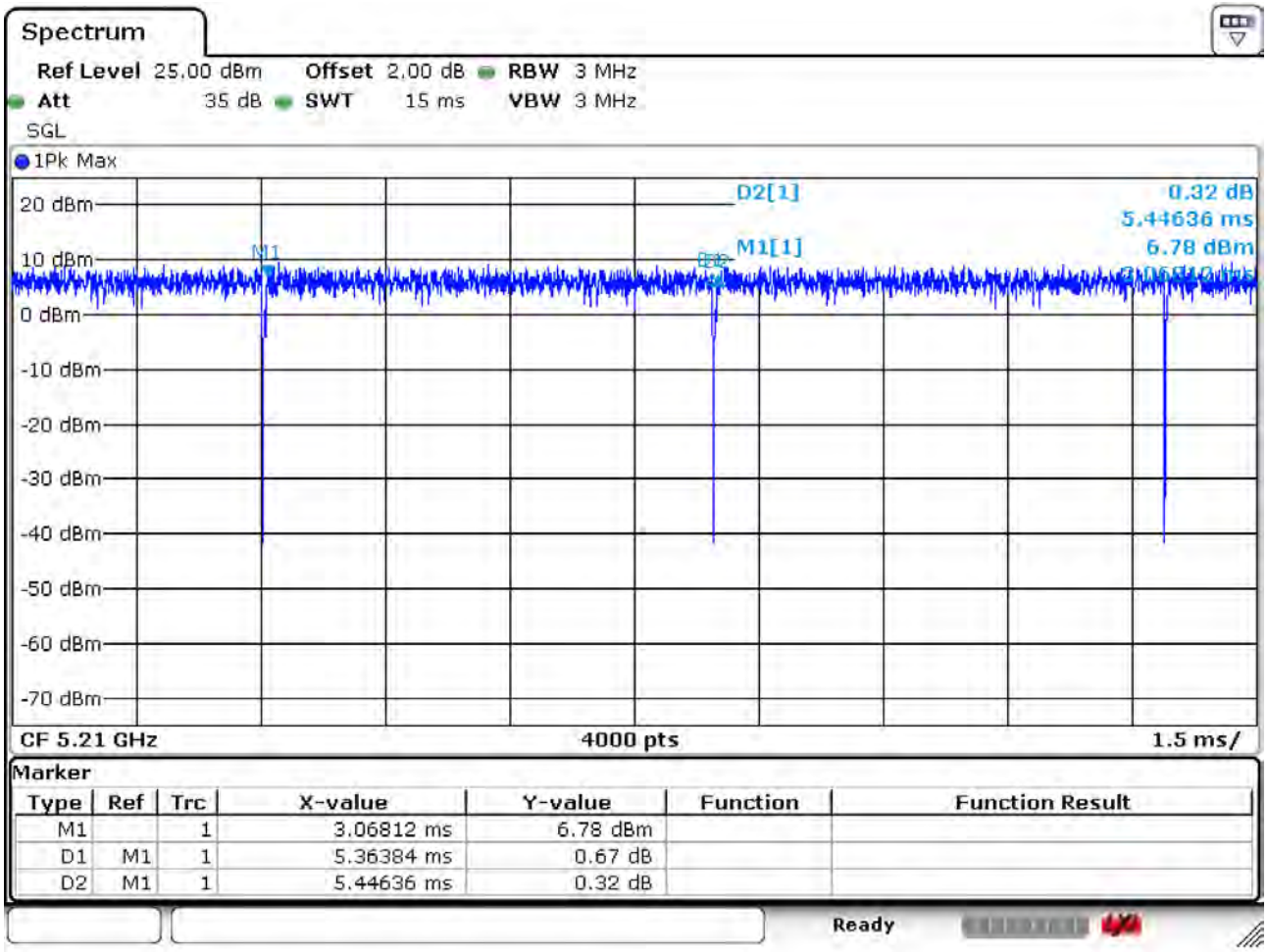
4.3.1.1.6 11AC80MIMO



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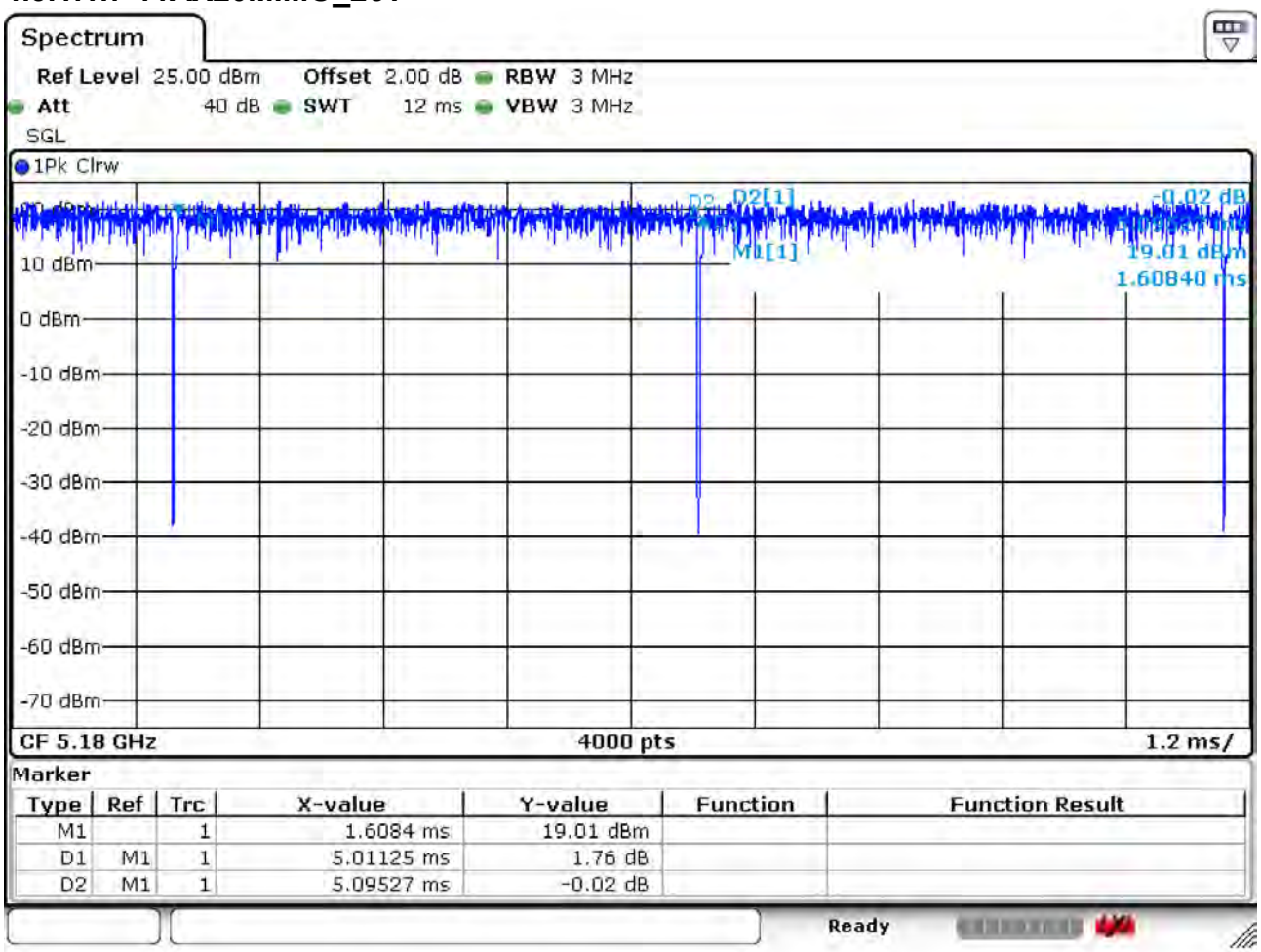
4.3.1.1.7 11AX20MIMO_26T



Date: 10.APR.2020 06:53:03

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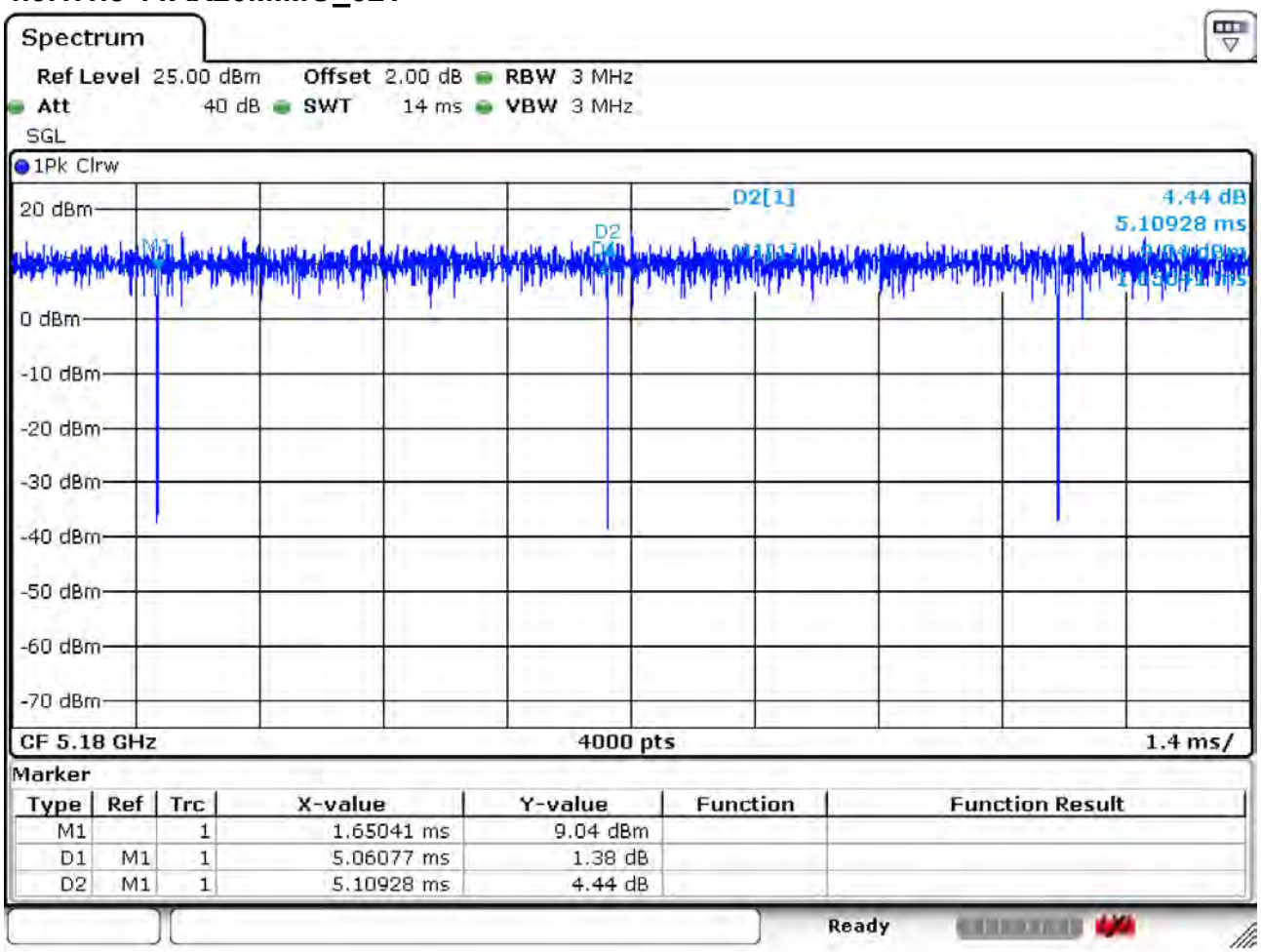
4.3.1.1.8 11AX20MIMO_52T



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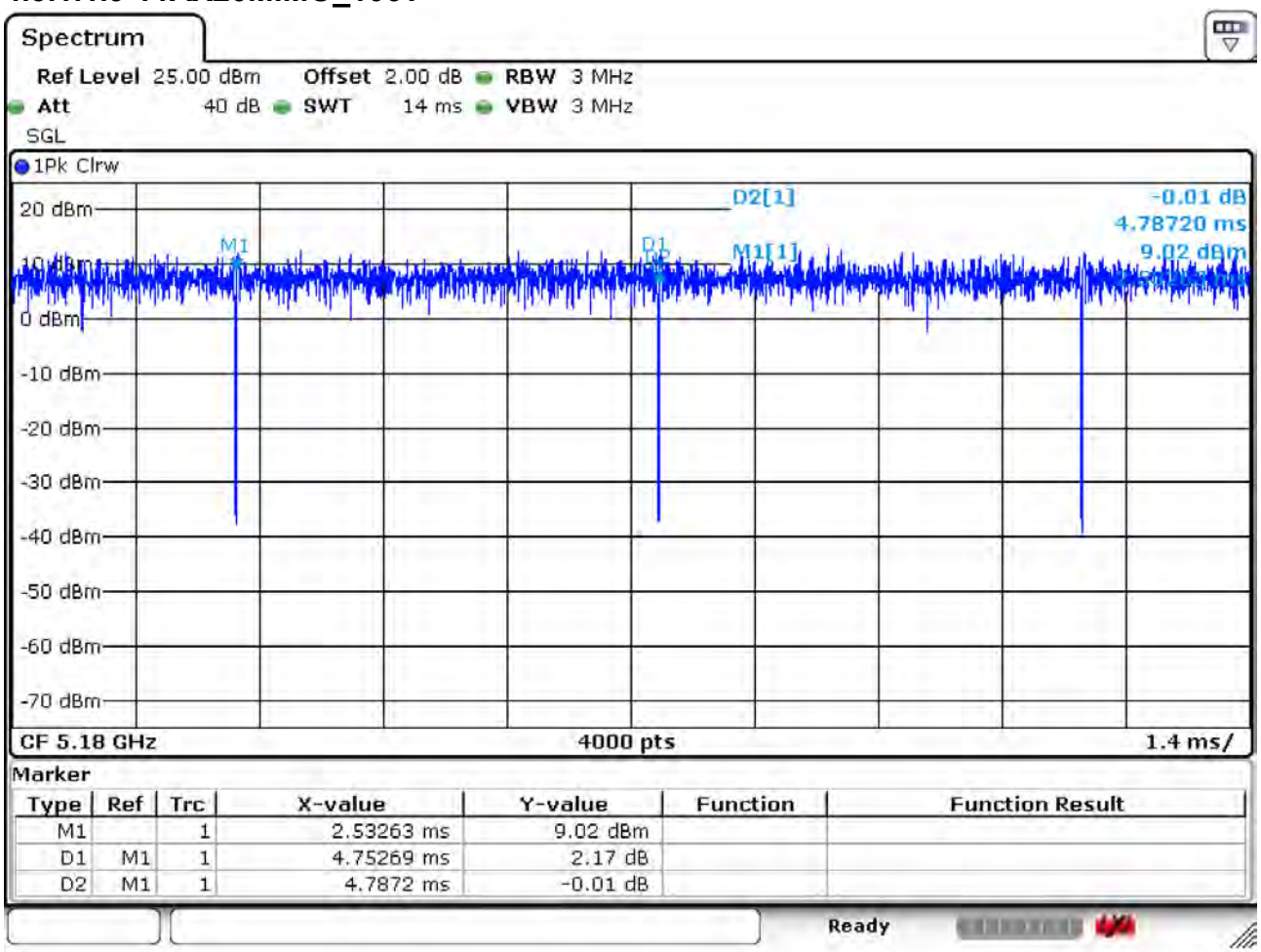
4.3.1.1.9 11AX20MIMO_106T



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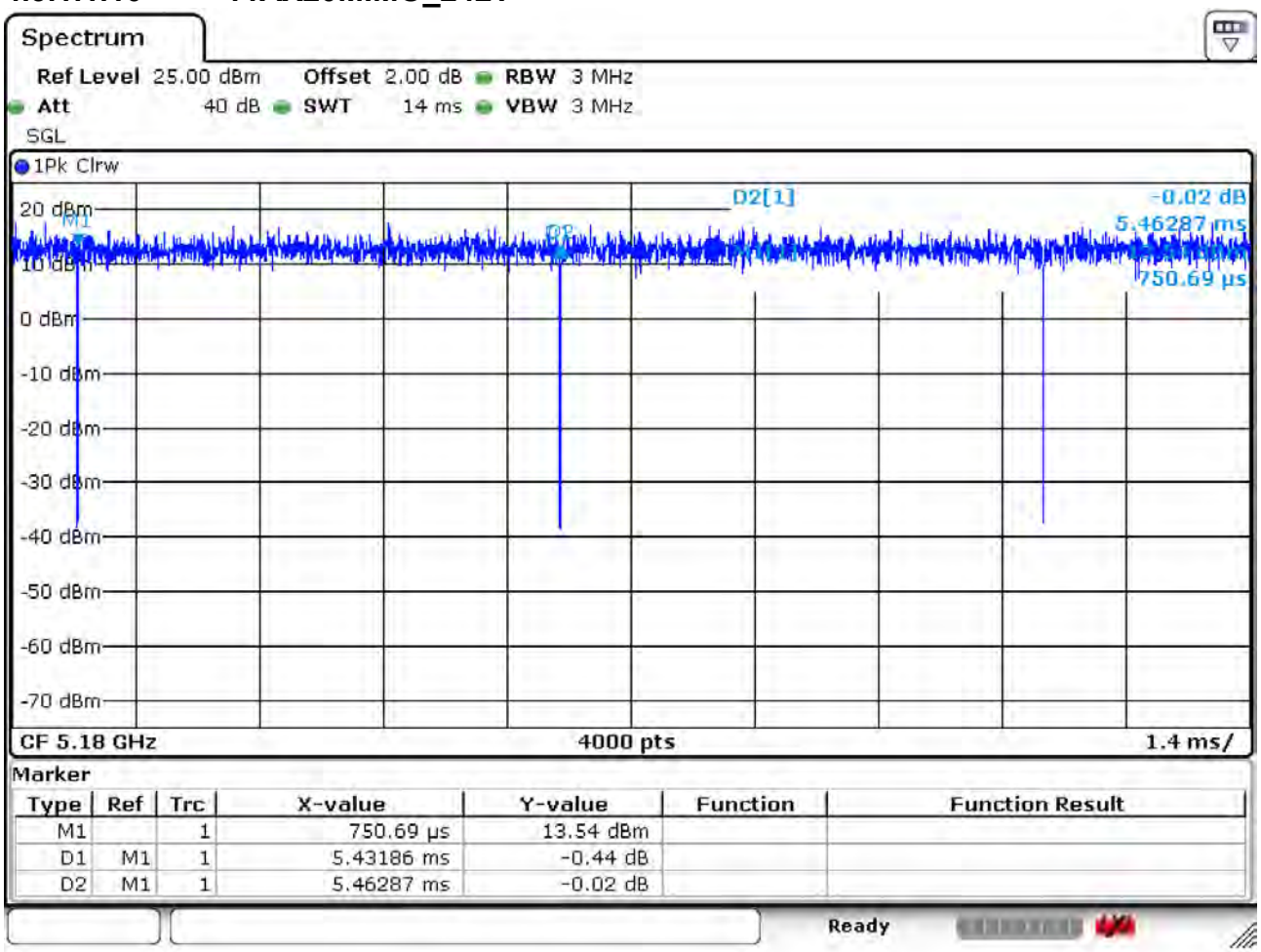
4.3.1.1.10 11AX20MIMO_242T



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	750.69 µs	13.54 dBm		
D1	M1	1	5.43186 ms	-0.44 dB		
D2	M1	1	5.46287 ms	-0.02 dB		

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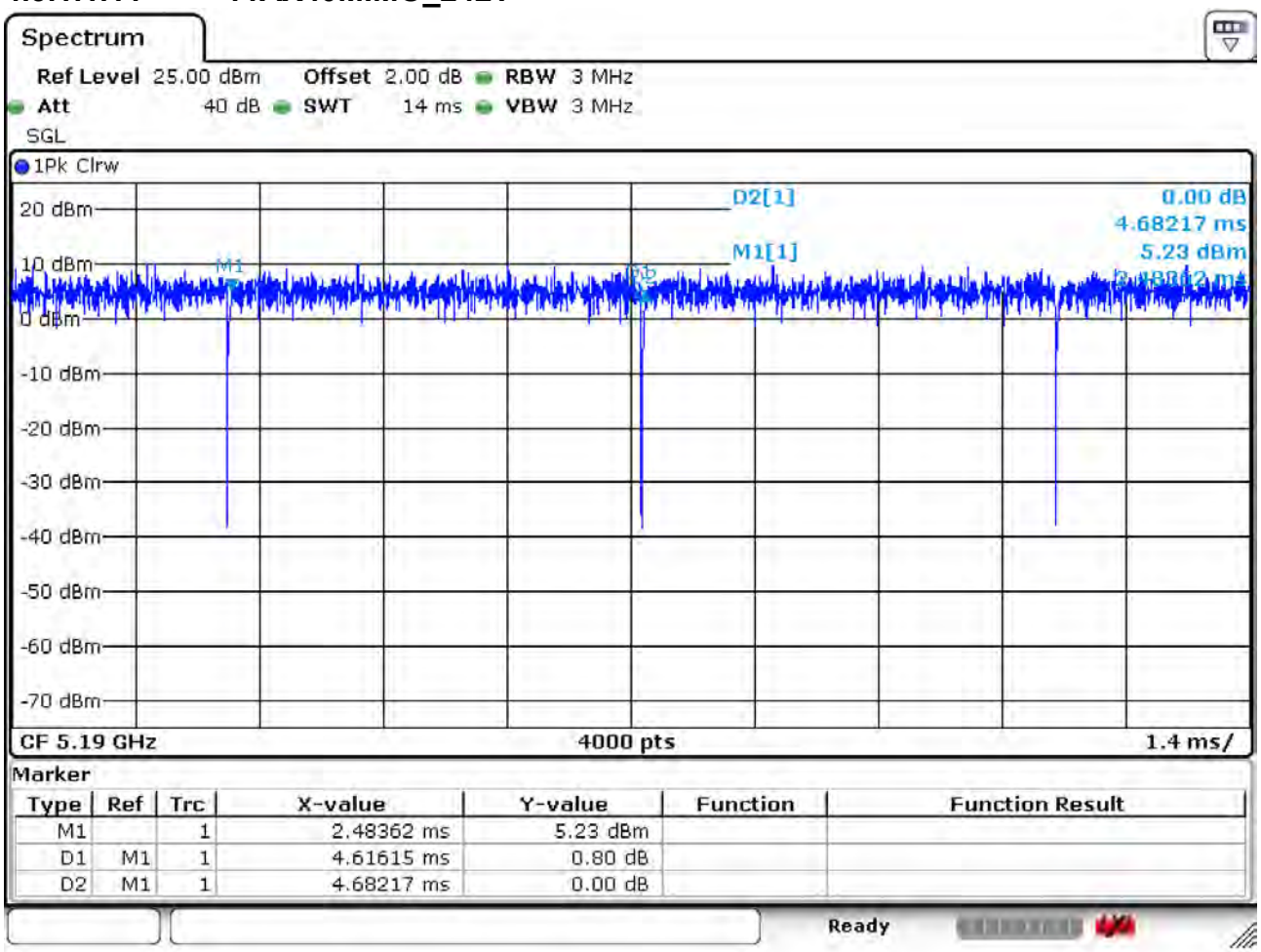
4.3.1.1.11 11AX40MIMO_242T



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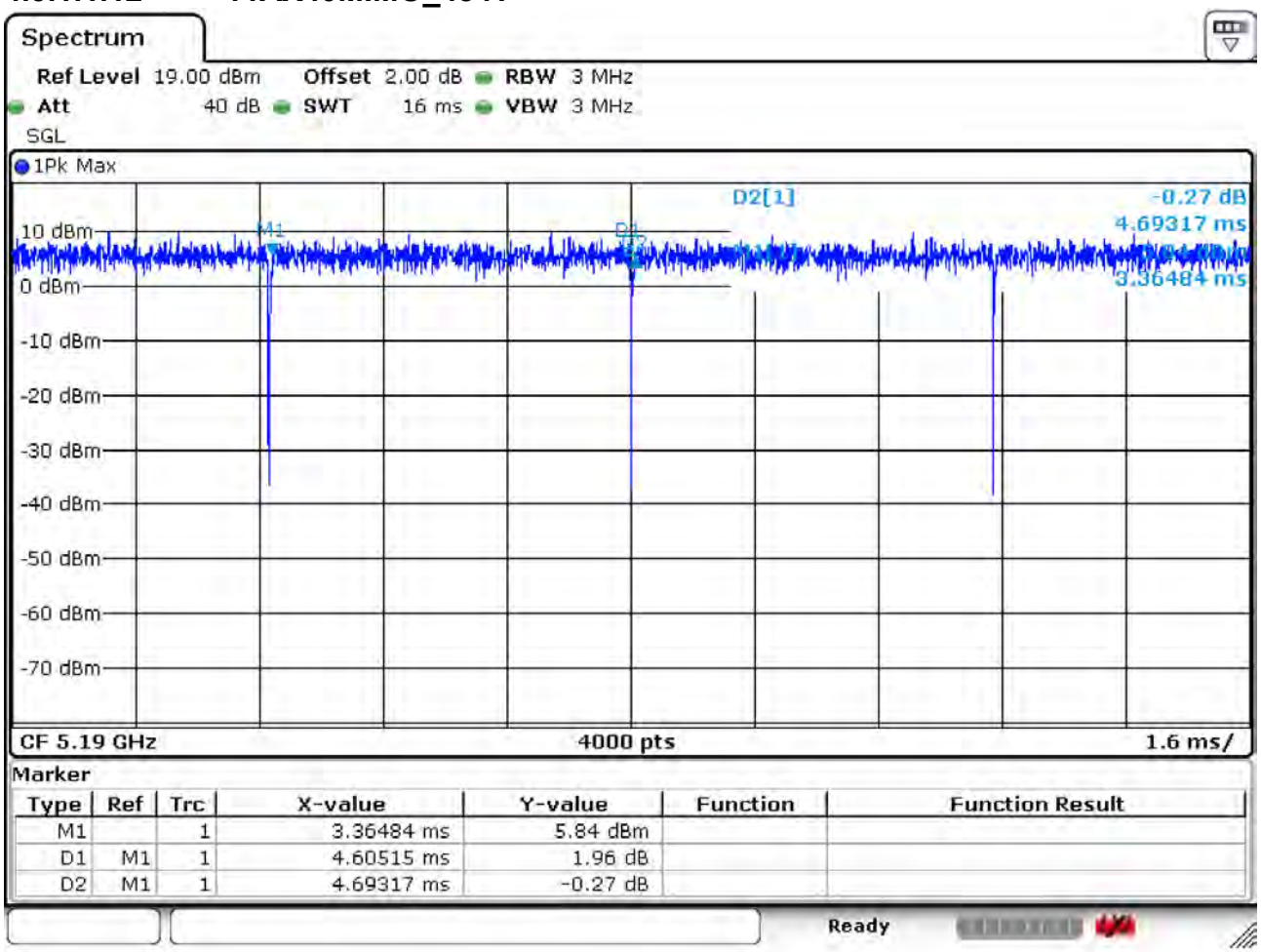
4.3.1.1.12 11AX40MIMO_484T



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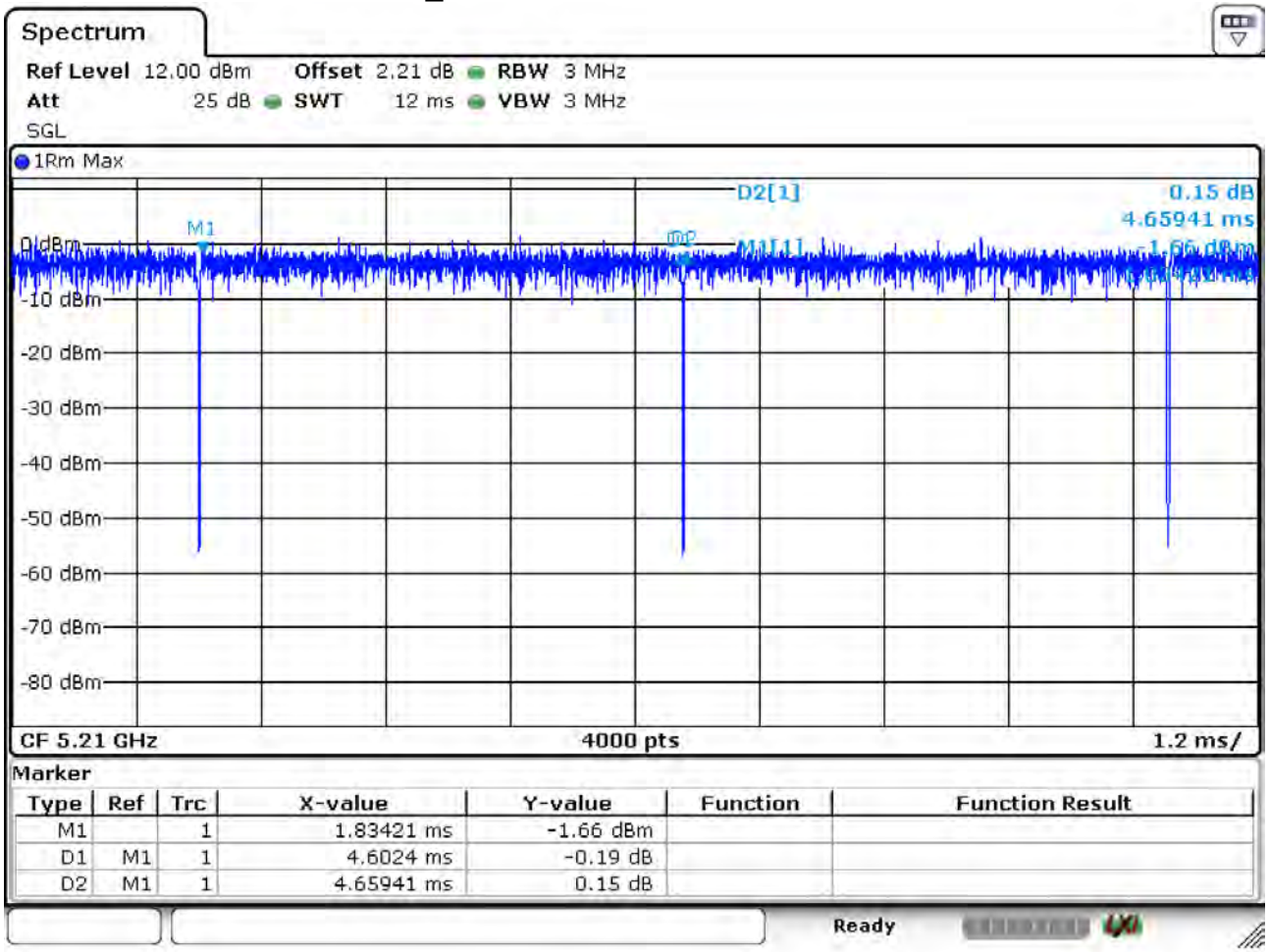
4.3.1.1.13 11AX80MIMO_484T



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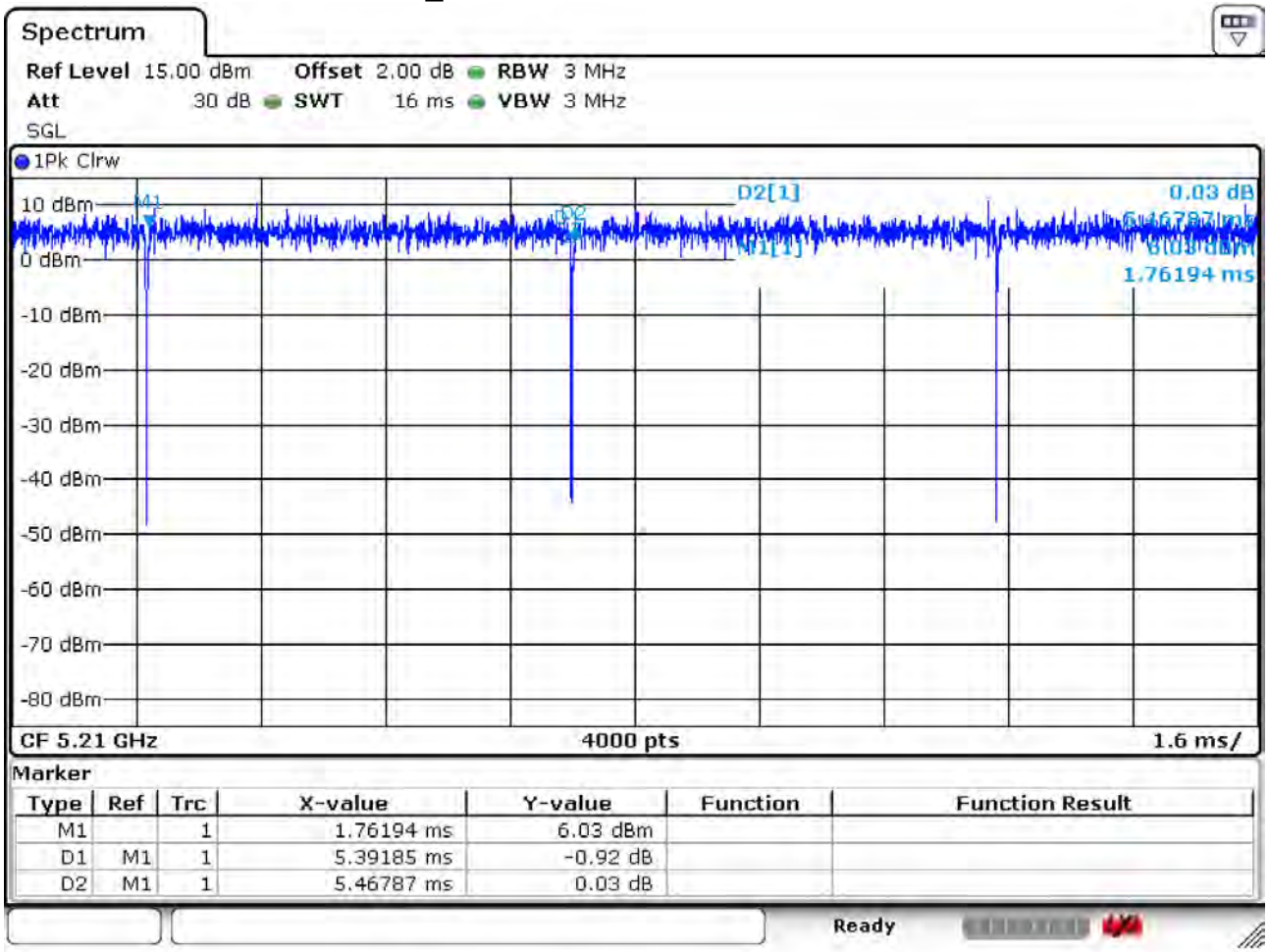
4.3.1.1.14 11AX80MIMO_996T



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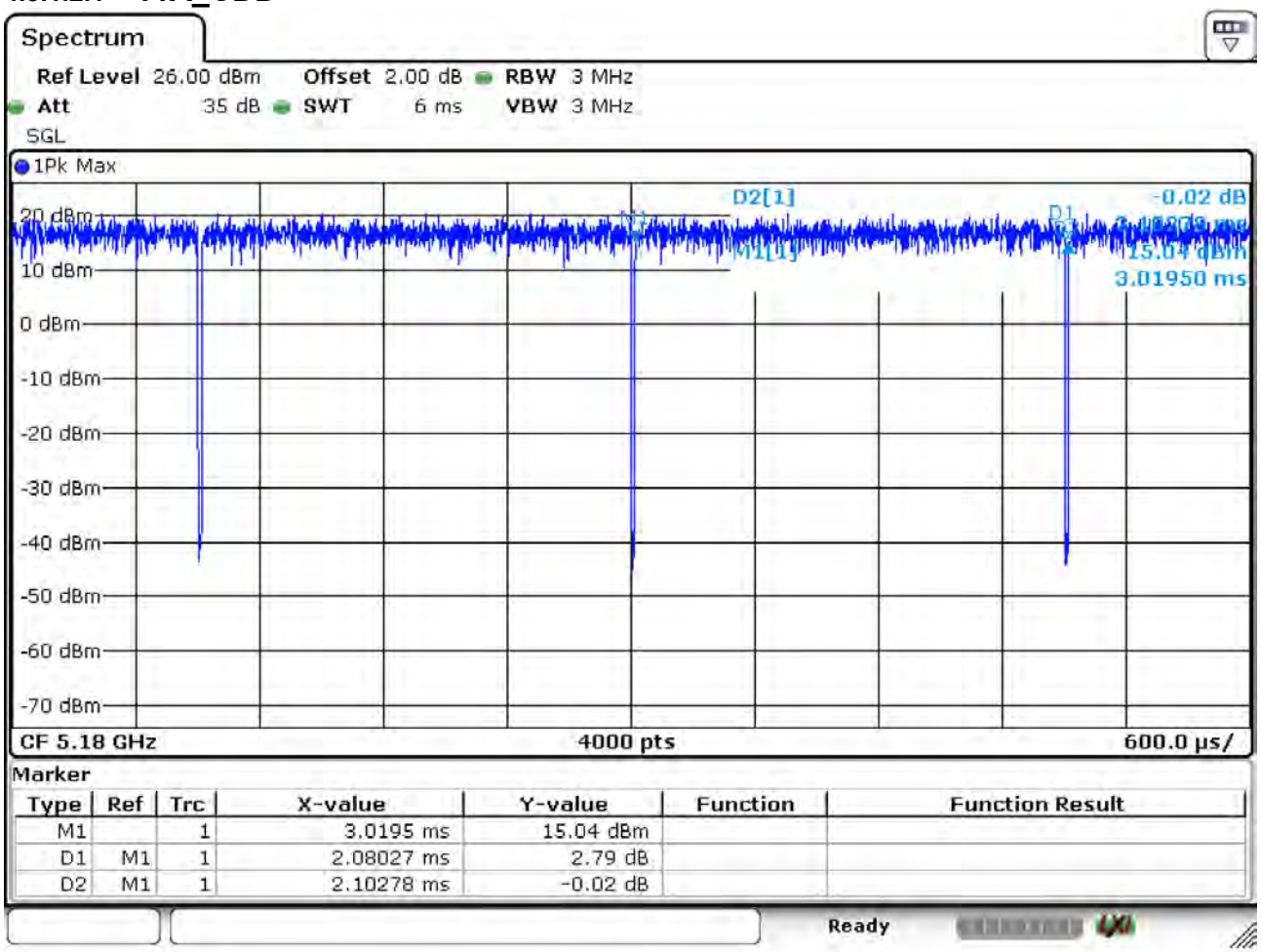
4.3.1.2 ANT2

4.3.1.2.1 11A_CDD



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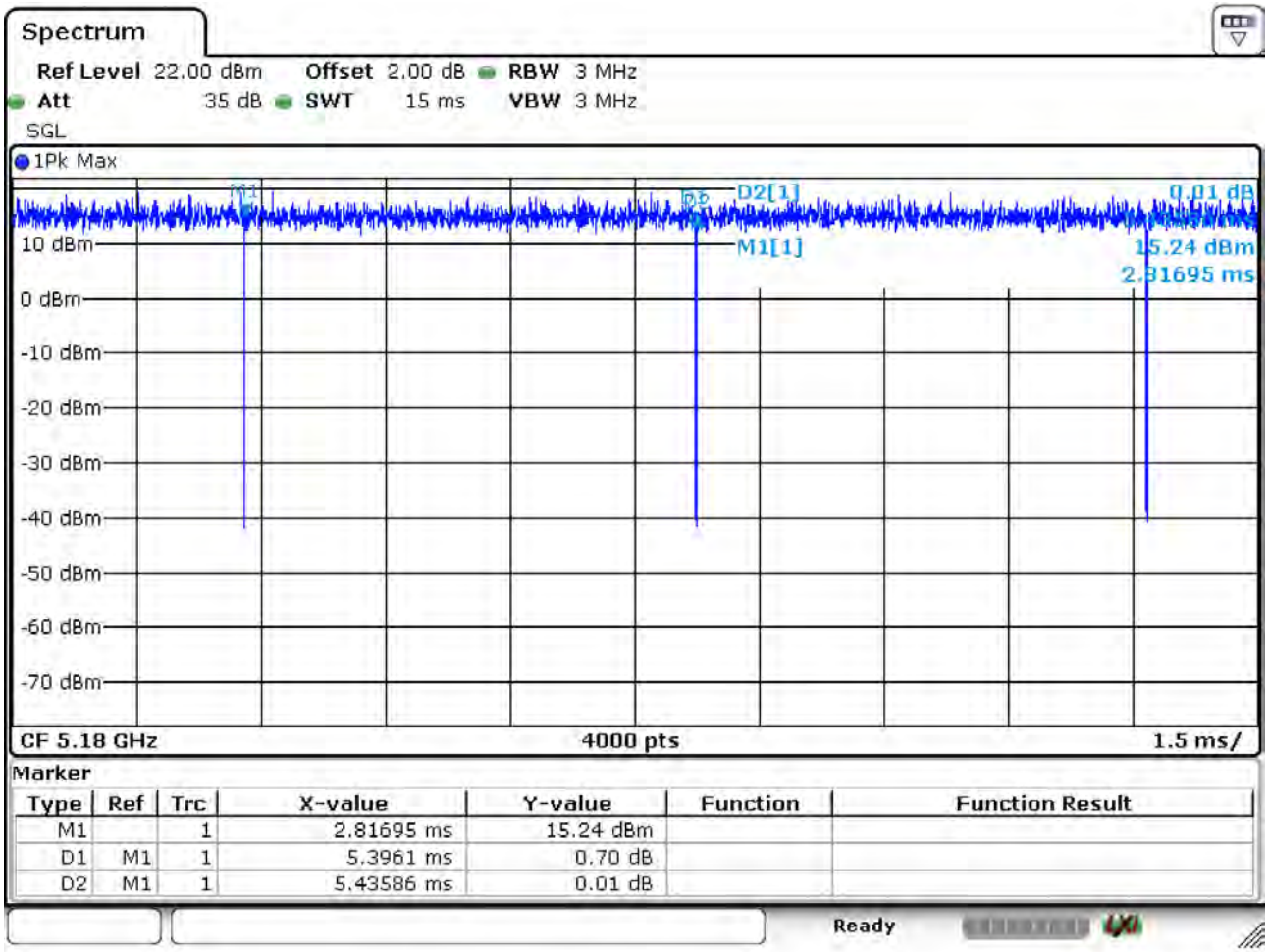
4.3.1.2.2 11N20MIMO



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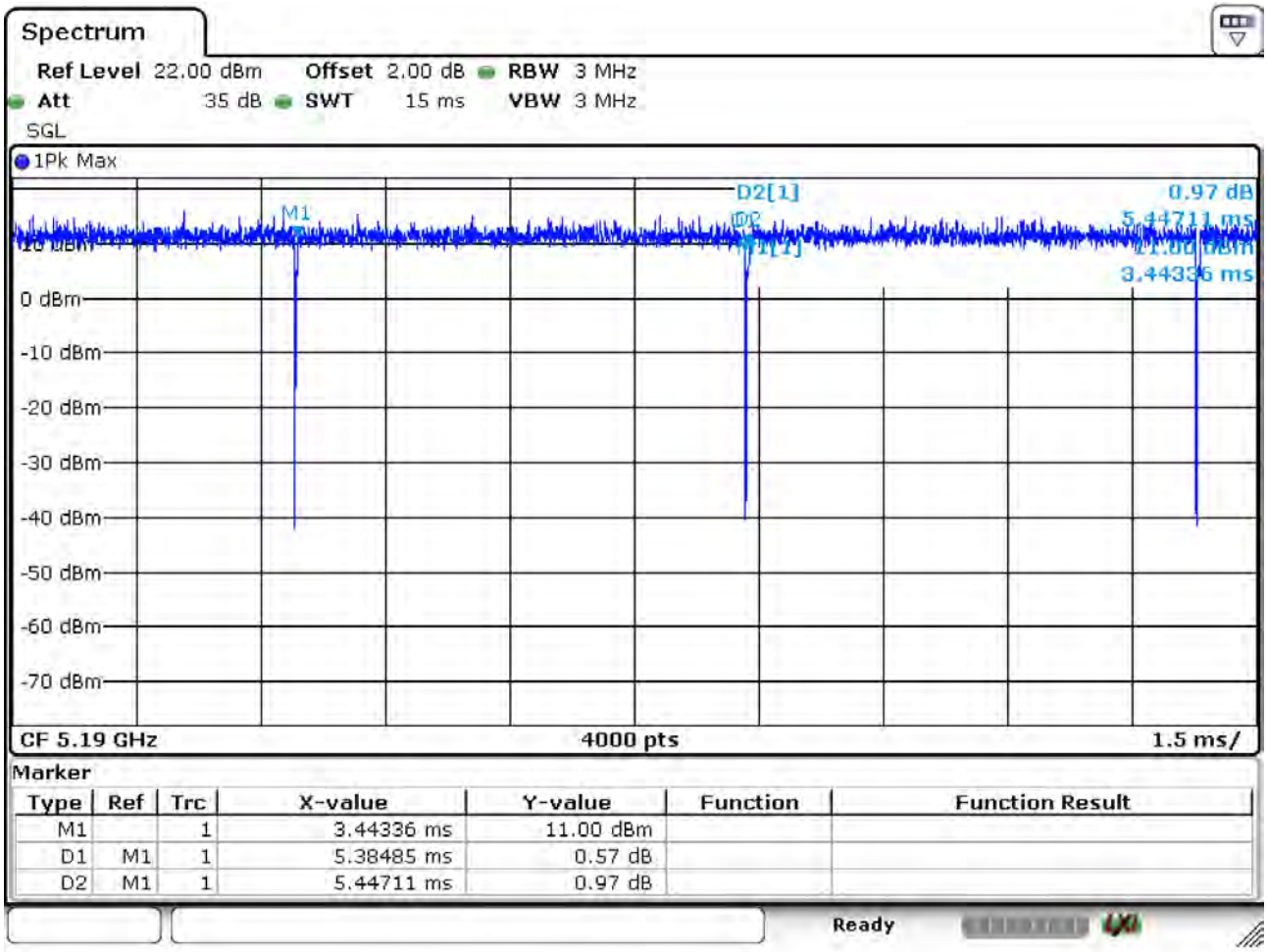
4.3.1.2.3 11N40MIM



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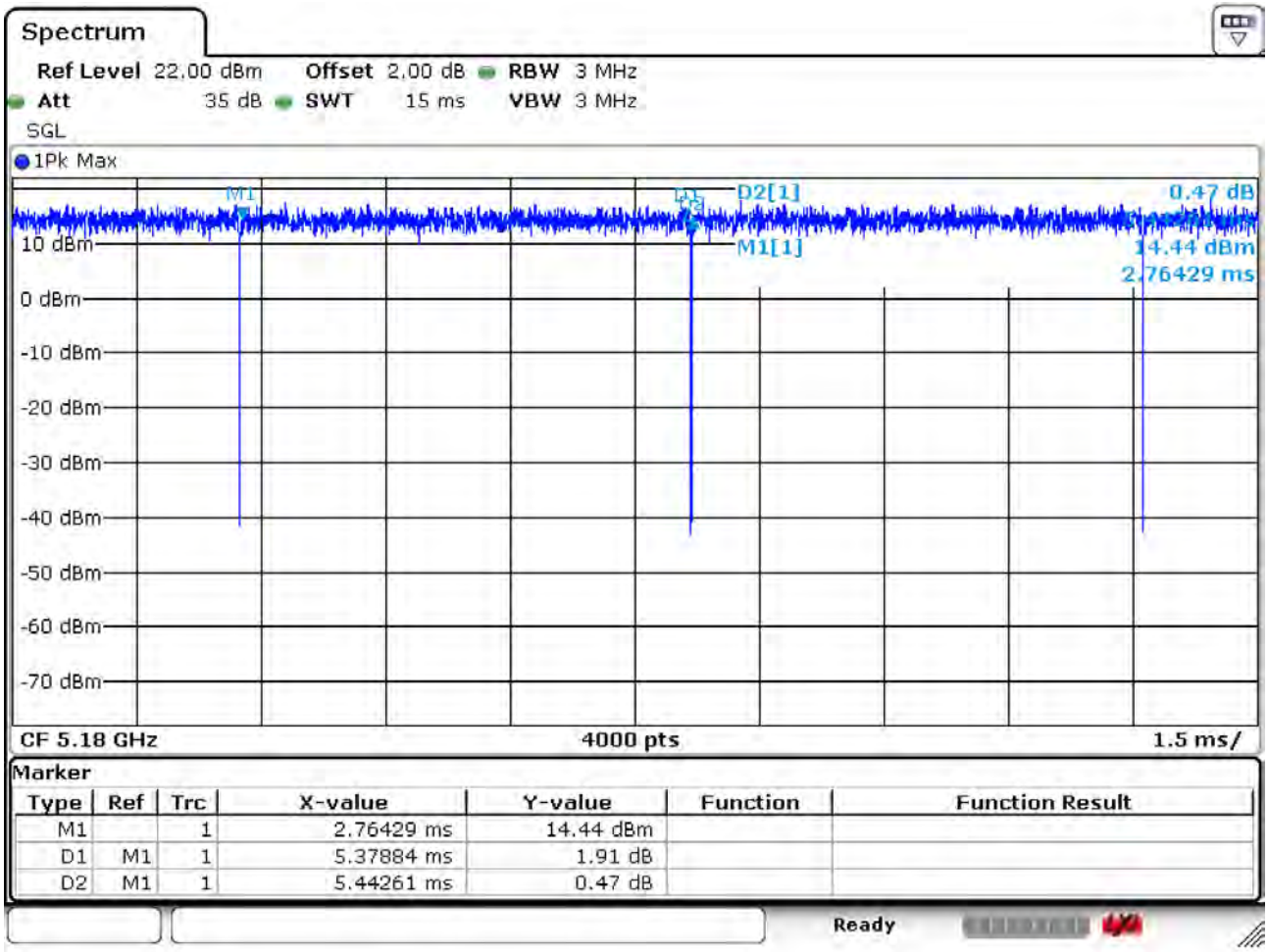
4.3.1.2.4 11AC20MIMO



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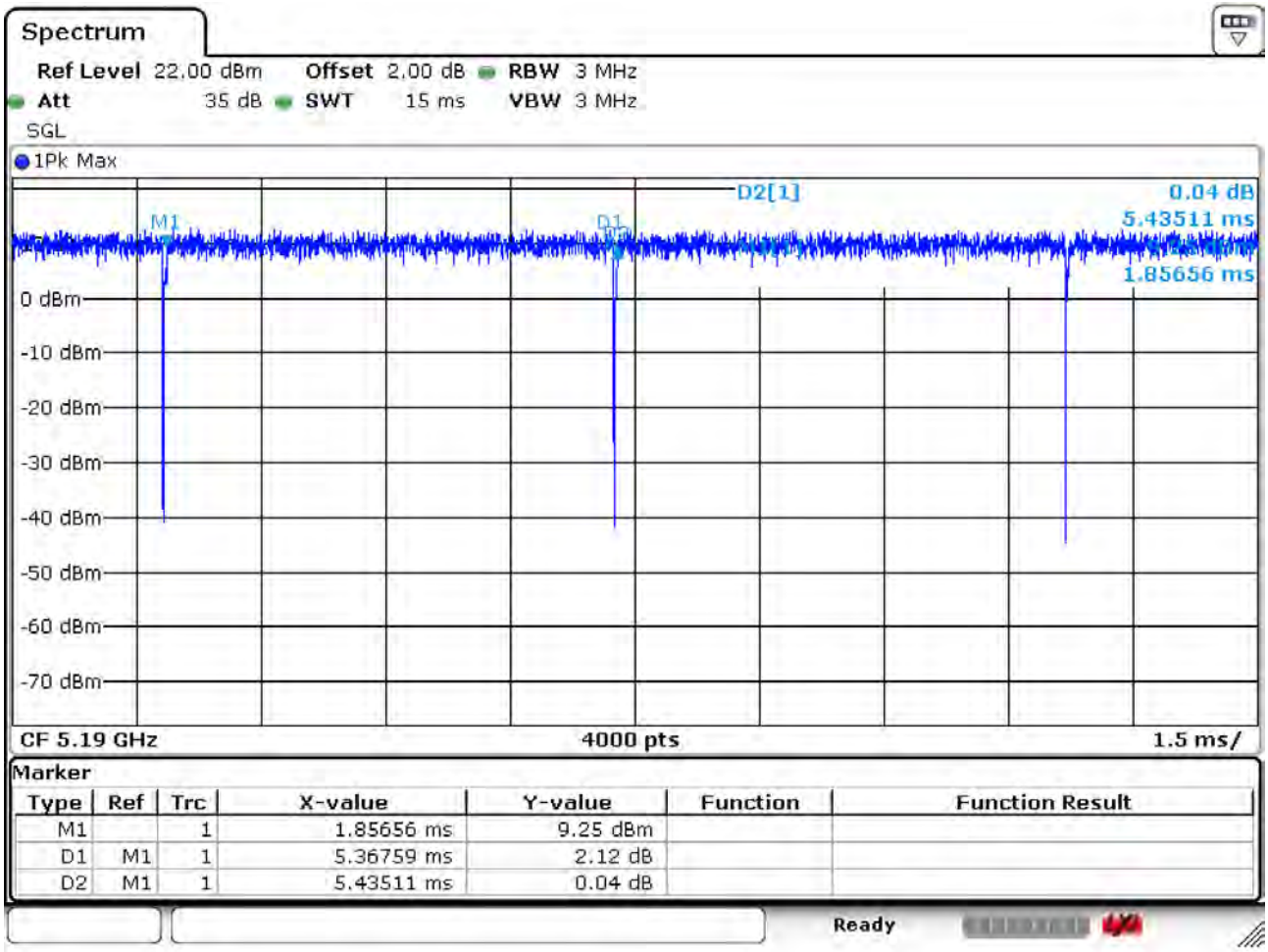
4.3.1.2.5 11AC40MIMO



Date: 9.APR.2020 02:53:16

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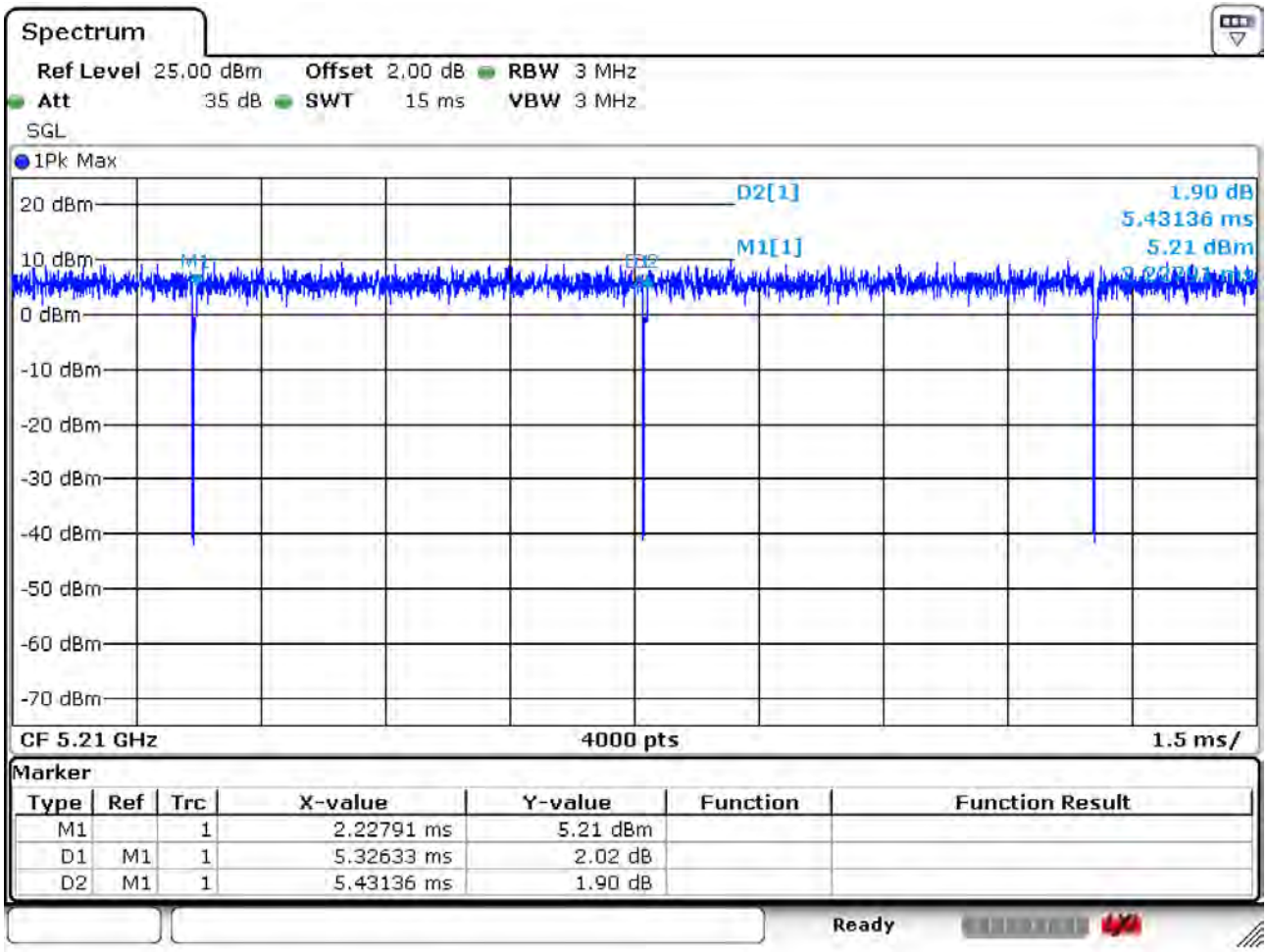
4.3.1.2.6 11AC80MIMO



Date: 9.APR.2020 02:30:50

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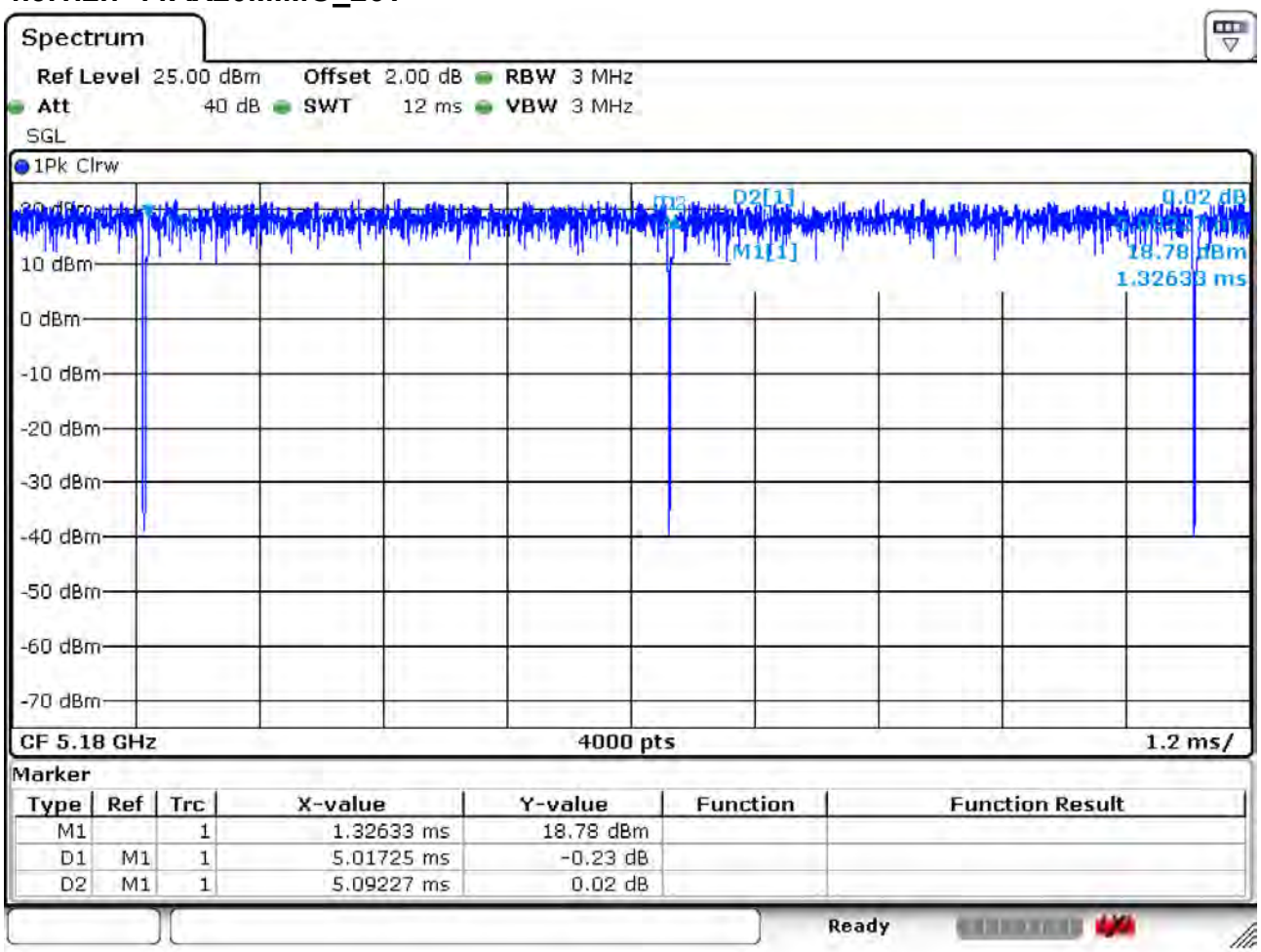
4.3.1.2.7 11AX20MIMO_26T



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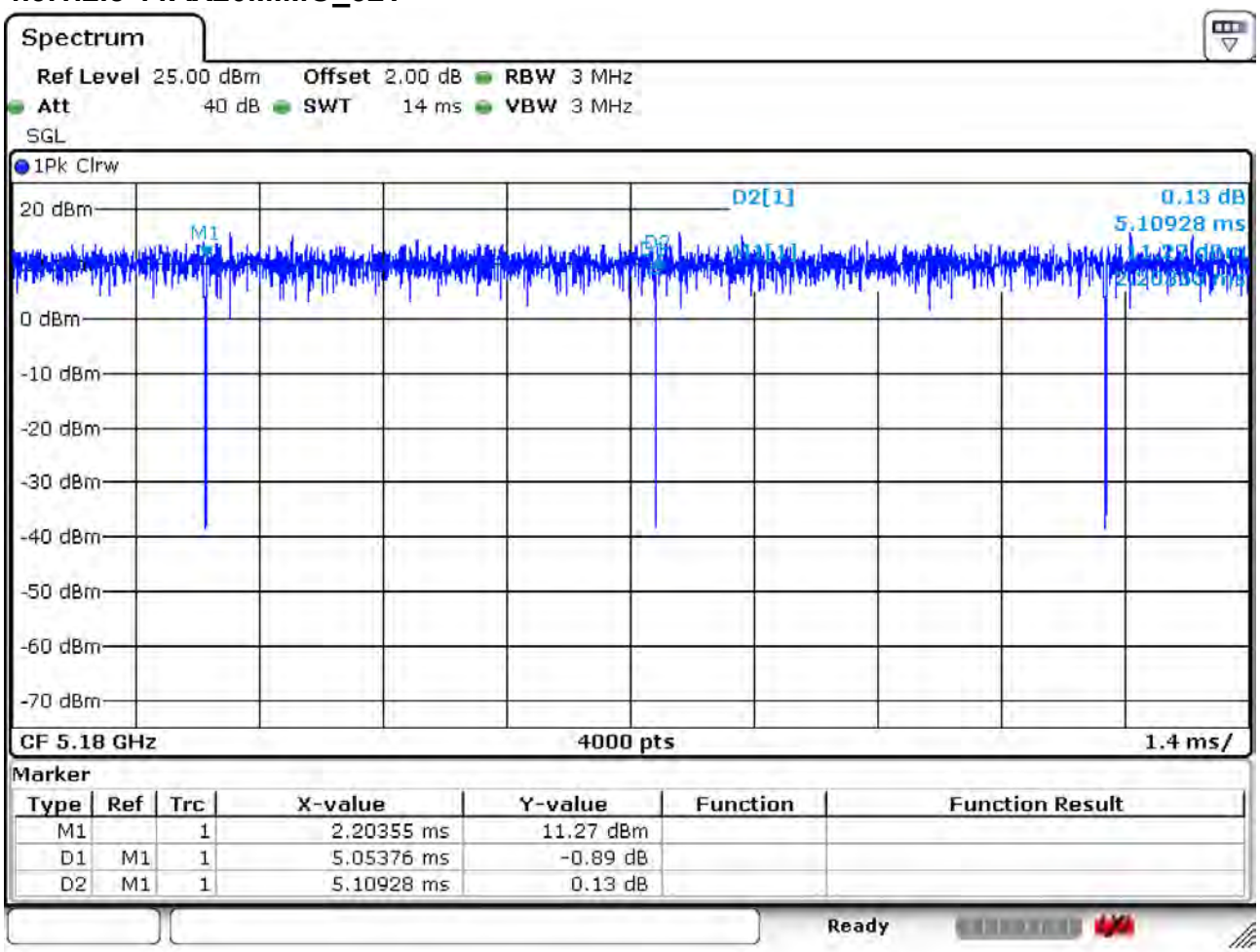
4.3.1.2.8 11AX20MIMO_52T



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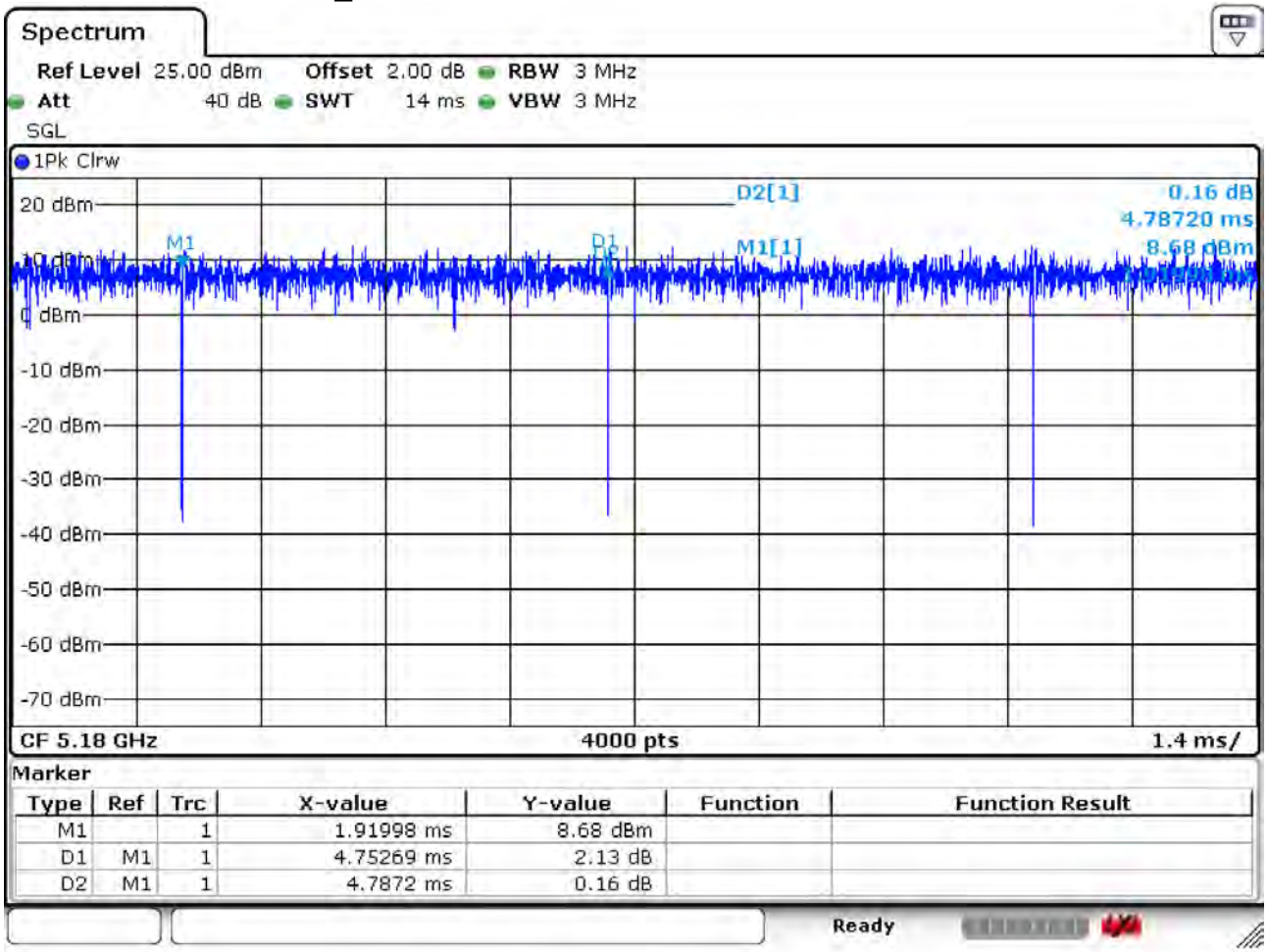
4.3.1.2.9 11AX20MIMO_106T



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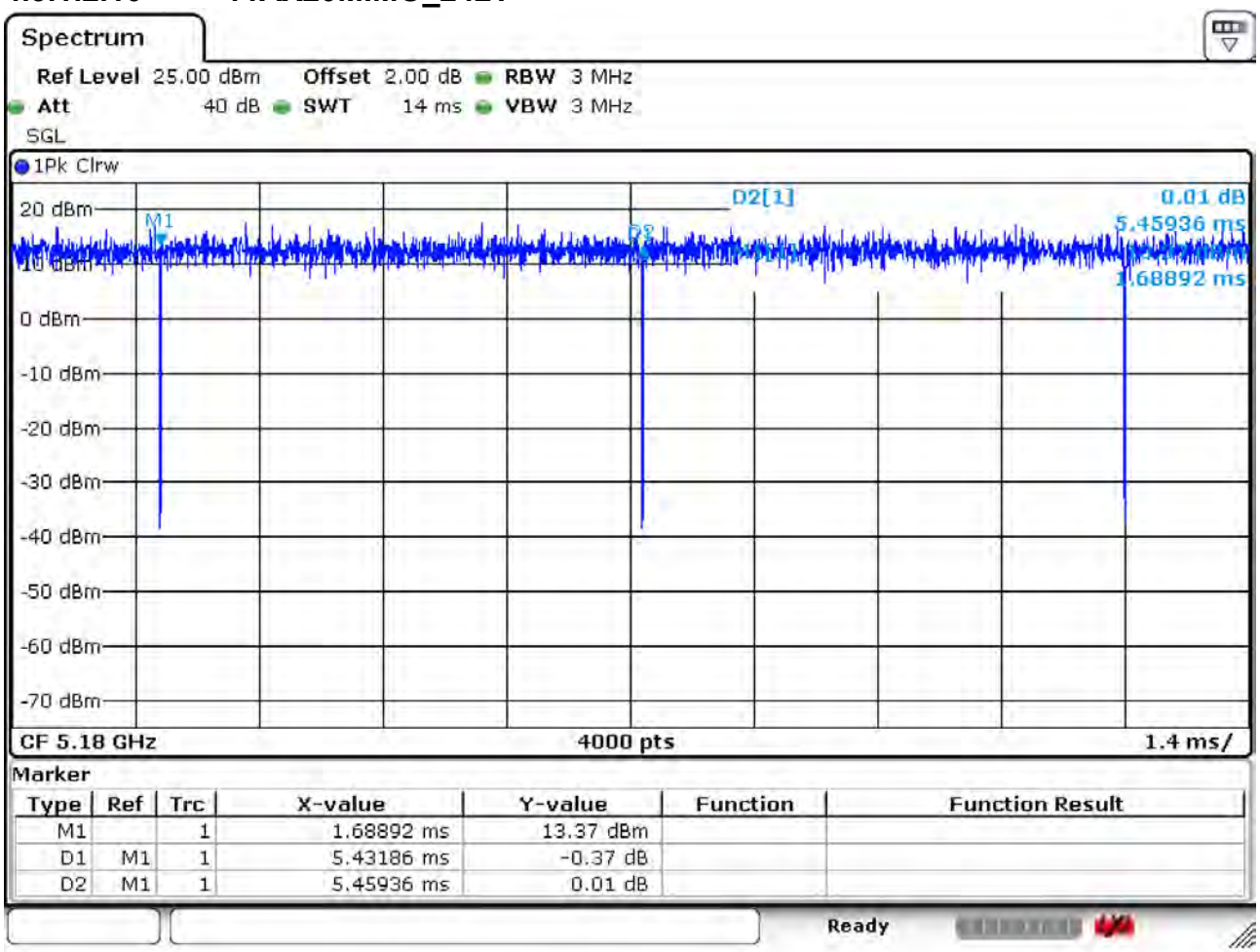
4.3.1.2.10 11AX20MIMO_242T



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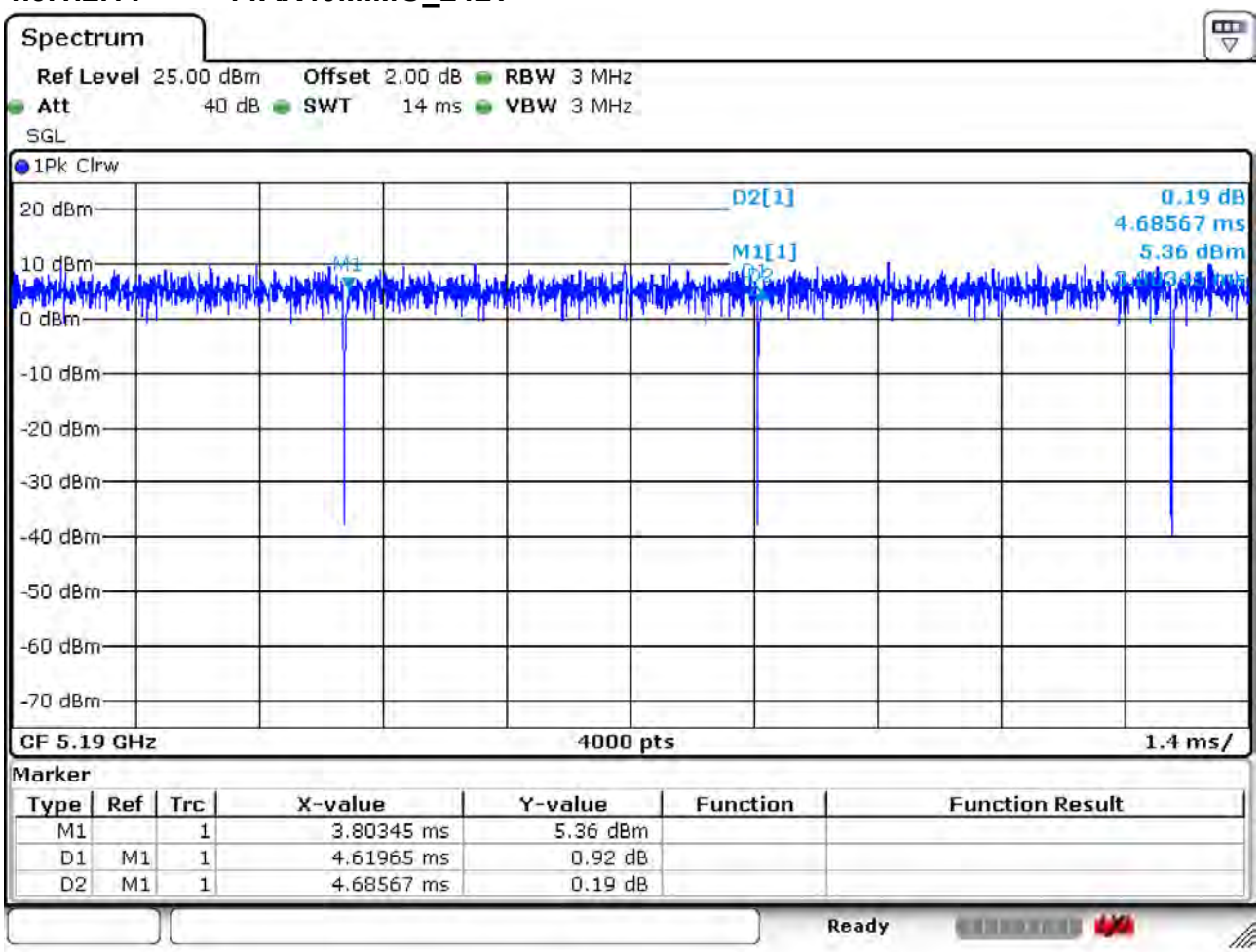
4.3.1.2.11 11AX40MIMO_242T



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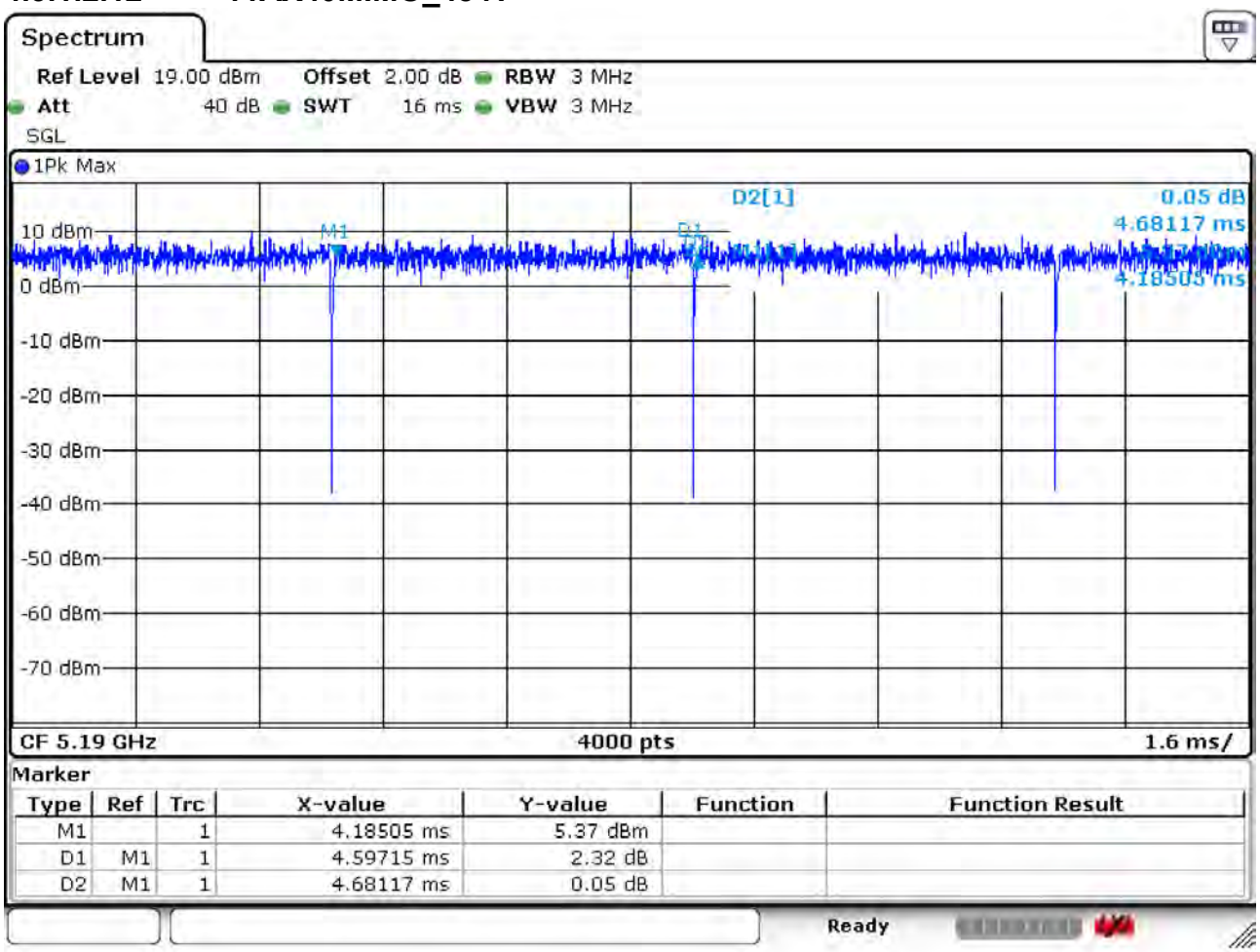
4.3.1.2.12 11AX40MIMO_484T



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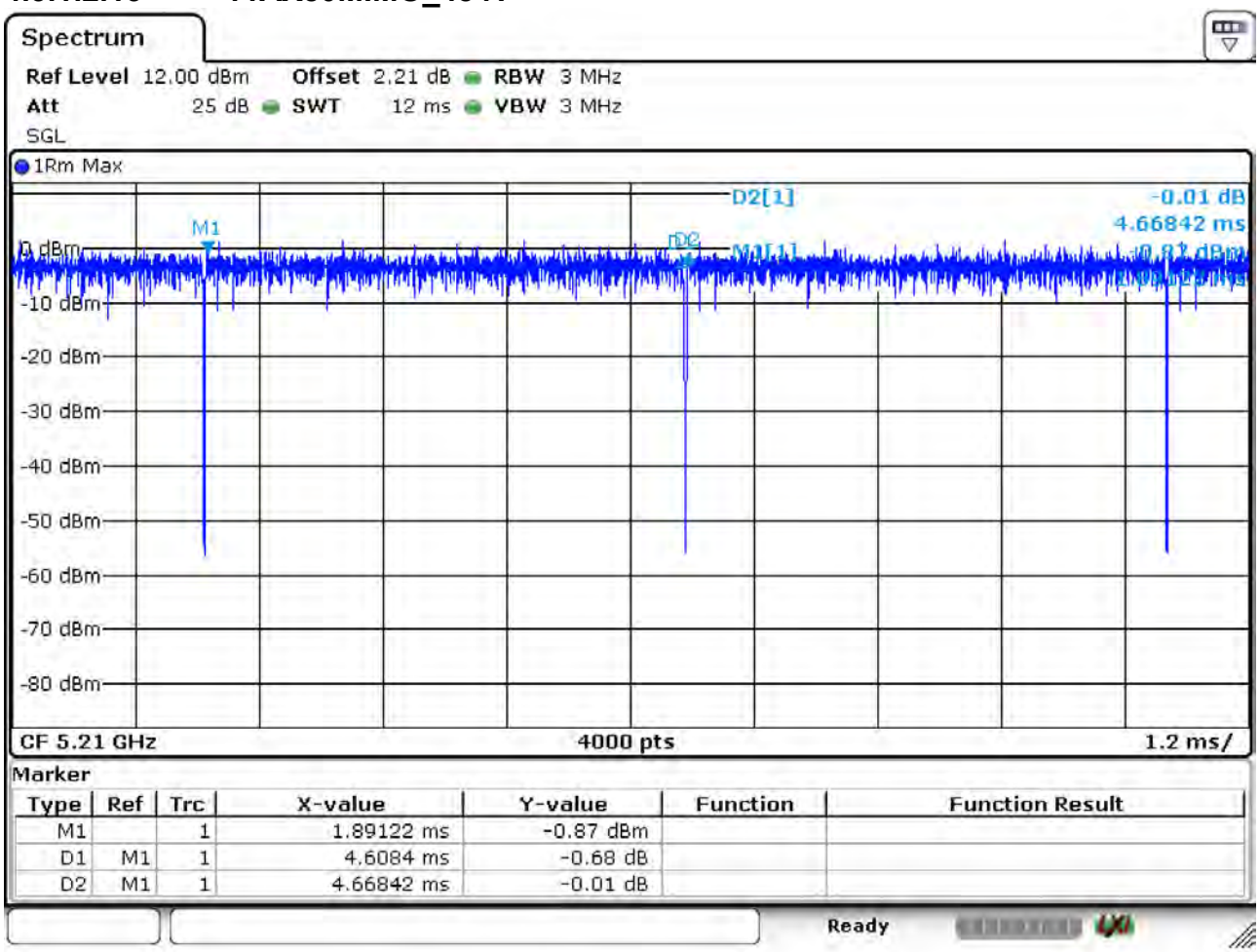
4.3.1.2.13 11AX80MIMO_484T



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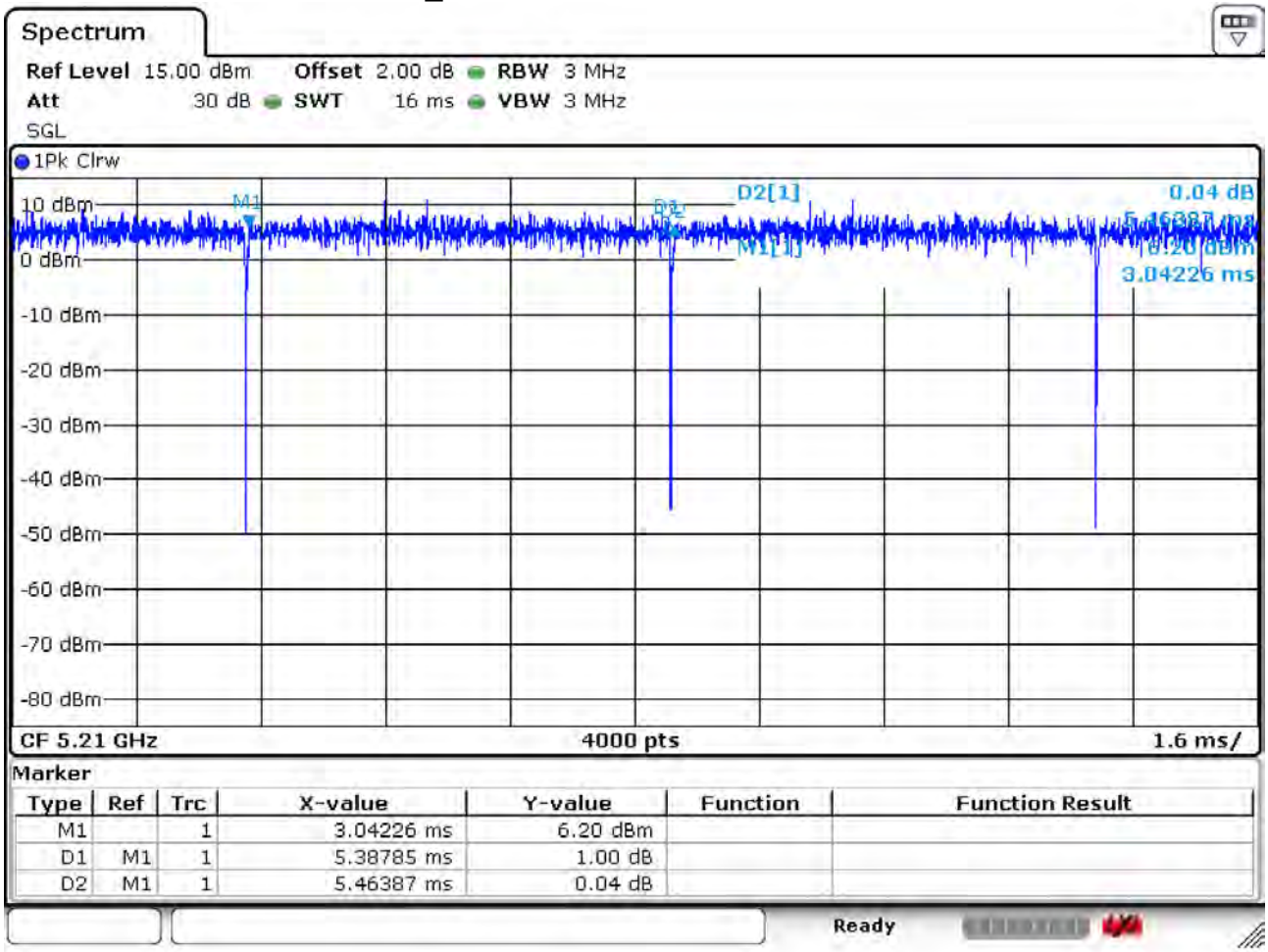
4.3.1.2.14 11AX80MIMO_996T



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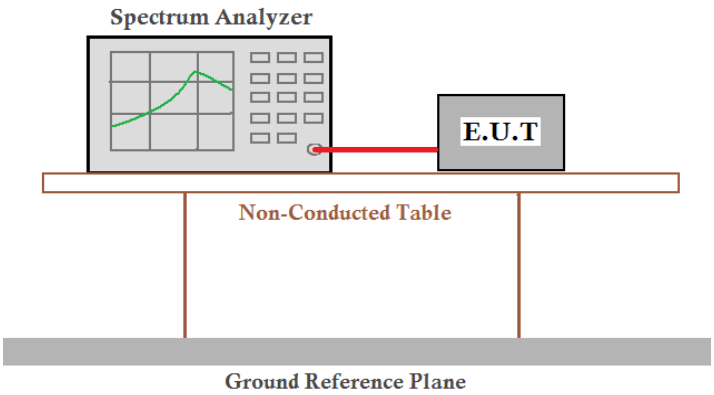
4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Test Instruments:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find that 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80) MCS0 of rate is the worst case of 802.11ax(HT20); MCS0 of rate is the worst case of 802.11ax(HT40); MCS0 of rate is the worst case of 802.11ax(HT80); Only the worst case is recorded in the report.
Limit:	Frequency Band / Limit
	5150-5250MHz / Not exceed 250mW(24dBm)
	5250-5350MHz / The lesser of 250mW(24dBm) or 11+ 10logB
	5470-5725MHz / The lesser of 250mW(24dBm) or 11+ 10logB
	5725-5825MHz / Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz
Test Results:	Pass

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Test Mode	Test Channel	Frequency [MHz]	Meas. Level (Cond.) [dBm]			Verdict
			ANT 1	ANT 2	SUM	
11A20 CDD	36	5180	16.64	16.80	19.73	PASS
	48	5240	16.93	16.83	19.89	PASS
	52	5260	16.98	16.79	19.90	PASS
	64	5320	17.20	16.62	19.93	PASS
	100	5500	17.20	17.32	20.27	PASS
	140	5700	16.79	16.90	19.86	PASS
	144	5720	16.87	16.86	19.88	PASS
	149	5745	17.01	16.87	19.95	PASS
	161	5805	16.48	16.72	19.61	PASS
11N20 MIMO	36	5180	16.56	16.73	19.66	PASS
	48	5240	16.91	16.83	19.88	PASS
	52	5260	16.97	16.73	19.86	PASS
	64	5320	17.19	16.55	19.89	PASS
	100	5500	17.1	17.23	20.18	PASS
	140	5700	16.78	16.85	19.83	PASS
	144	5720	16.81	16.79	19.81	PASS
	149	5745	16.93	16.84	19.90	PASS
	161	5805	16.45	16.69	19.58	PASS
11N40MIMO	38	5190	15.99	15.8	18.91	PASS
	46	5230	16.19	15.92	19.07	PASS
	54	5270	16.38	15.92	19.17	PASS
	62	5310	16.41	16.16	19.30	PASS
	102	5510	16.3	16.43	19.38	PASS
	134	5670	16.05	16.12	19.10	PASS
	142	5710	16.08	16.07	19.09	PASS
	151	5755	16.23	16.14	19.20	PASS
	159	5795	16.15	15.96	19.07	PASS
	159	5795	16.25	16.02	19.15	PASS
11AC20MIMO	36	5180	17.23	17.42	20.34	PASS
	48	5240	17.72	17.45	20.60	PASS
	52	5260	17.87	17.68	20.79	PASS
	64	5320	17.91	17.76	20.85	PASS
	100	5500	18.01	17.98	21.01	PASS
	140	5700	17.79	15.41	19.77	PASS
	144	5720	17.75	17.66	20.72	PASS
	149	5745	17.65	17.67	20.67	PASS
	161	5805	17.78	17.72	20.76	PASS
11AC40MIMO	38	5190	16.04	15.91	18.99	PASS
	46	5230	16.19	16.02	19.12	PASS
	54	5270	16.41	16.02	19.23	PASS

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	62	5310	16.43	16.26	19.36	PASS
	102	5510	16.4	16.5	19.46	PASS
	134	5670	16.13	16.2	19.18	PASS
	142	5710	16.17	15.87	19.03	PASS
	151	5755	16.3	16.23	19.28	PASS
	159	5795	16.25	16.02	19.15	PASS
11AC80MIMO	42	5210	15.05	15.03	18.05	PASS
	58	5290	15.44	15.3	18.38	PASS
	106	5530	15.3	15.38	18.35	PASS
	155	5775	15.2	15.17	18.20	PASS
11AX20MIMO_26T	36	5180	15.29	15.03	18.17	PASS
	48	5240	15.78	15.34	18.58	PASS
	52	5260	15.68	15.12	18.42	PASS
	64	5320	15.76	14.6	18.23	PASS
	100	5500	16.28	15.87	19.09	PASS
	140	5700	16.45	15.18	18.87	PASS
	149	5745	16.6	15.26	18.99	PASS
	161	5805	16.55	15.22	18.95	PASS
11AX20MIMO_52T	36	5180	15.13	15.12	18.14	PASS
	48	5240	15.46	15.47	18.48	PASS
	52	5260	15.33	15.29	18.32	PASS
	64	5320	14.56	14.73	17.66	PASS
	100	5500	15.88	15.96	18.93	PASS
	140	5700	15.54	15.27	18.42	PASS
	149	5745	15.4	15.39	18.41	PASS
	161	5805	15.52	15.38	18.46	PASS
11AX20MIMO_106T	36	5180	15.44	15.22	18.34	PASS
	48	5240	15.96	15.55	18.77	PASS
	52	5260	15.87	15.38	18.64	PASS
	64	5320	15.94	14.82	18.43	PASS
	100	5500	16.41	15.92	19.18	PASS
	140	5700	16.6	15.34	19.03	PASS
	149	5745	16.78	15.41	19.16	PASS
	161	5805	16.79	15.32	19.13	PASS
11AX20MIMO_242T	36	5180	16.05	15.79	18.93	PASS
	48	5240	16.1	15.88	19.00	PASS
	52	5260	16.17	15.75	18.98	PASS
	64	5320	16.01	15.76	18.90	PASS
	100	5500	16.48	16.23	19.37	PASS
	140	5700	15.86	16.01	18.95	PASS
	149	5745	15.86	16.16	19.02	PASS
	161	5805	16	16.08	19.05	PASS
11AX40MIMO_242T	38	5190	14.38	14.2	17.30	PASS

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	46	5230	14.64	14.62	17.64	PASS
	54	5270	14.5	14.28	17.40	PASS
	62	5310	14.62	14.07	17.36	PASS
	102	5510	15.41	14.77	18.11	PASS
	134	5670	15.13	14.25	17.72	PASS
	151	5755	15.71	14.53	18.17	PASS
	159	5795	15.59	14.5	18.09	PASS
11AX40MIMO_484T	38	5190	14.55	14.32	17.45	PASS
	46	5230	14.68	14.63	17.67	PASS
	54	5270	14.53	14.5	17.53	PASS
	62	5310	14.73	14.69	17.72	PASS
	102	5510	15.41	14.84	18.14	PASS
	134	5670	15.26	14.23	17.79	PASS
	151	5755	15.79	14.55	18.22	PASS
	159	5795	15.66	14.88	18.30	PASS
11AX80MIMO_484T	42	5210	16.4	16.38	19.40	PASS
	58	5290	17.05	16.78	19.93	PASS
	106	5530	16.97	15.85	19.46	PASS
	155	5775	16.3	15.6	18.97	PASS
11AX80MIMO_996T	42	5210	14.73	14.83	17.79	PASS
	58	5290	14.47	14.38	17.44	PASS
	106	5530	14.9	14.83	17.88	PASS
	155	5775	14.76	14.62	17.70	PASS

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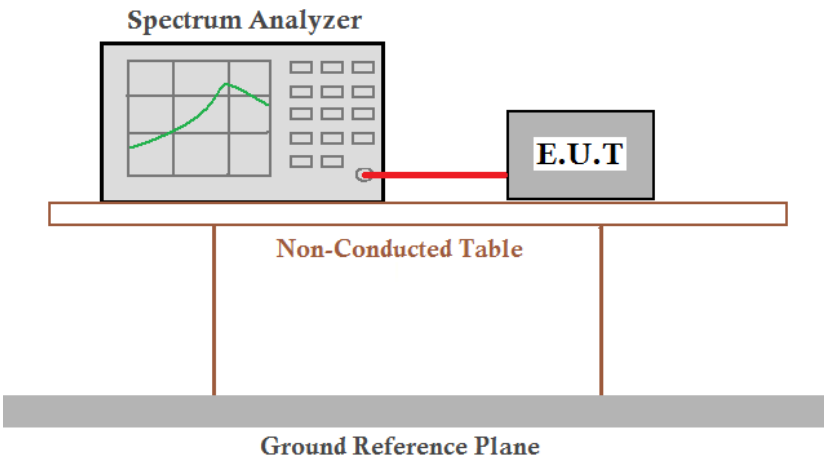
4.5 26dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Instruments Used:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). MCS0 of rate is the worst case of 802.11ax(HT20); MCS0 of rate is the worst case of 802.11ax(HT40); MCS0 of rate is the worst case of 802.11ax(HT80). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

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Test Mode	Test Channel	Frequency [MHz]	26dB Emission Bandwidth [MHz]		Verdict
			ANT 1	ANT 2	
11A20CDD	36	5180	20.01	19.11	PASS
	48	5240	19.65	19.11	PASS
	52	5260	19.95	19.02	PASS
	64	5320	21.15	19.08	PASS
	100	5500	19.11	19.02	PASS
	140	5700	19.26	19.08	PASS
	144	5720	19.29	19.02	PASS
11N20MIMO	36	5180	20.31	20.13	PASS
	48	5240	19.95	19.95	PASS
	52	5260	20.31	20.22	PASS
	64	5320	21.12	19.98	PASS
	100	5500	20.04	20.07	PASS
	140	5700	20.22	19.98	PASS
	144	5720	19.89	18.89	PASS
11N40MIMO	38	5190	39.66	39.36	PASS
	46	5230	39.78	39.24	PASS
	54	5270	39.66	39.12	PASS
	62	5310	39.84	39.24	PASS
	102	5510	39.78	39.24	PASS
	134	5670	39.54	39.06	PASS
	142	5710	39.66	39.06	PASS
11AC20MIMO	36	5180	29.76	29.55	PASS
	48	5240	29.88	28.95	PASS
	52	5260	29.97	27.84	PASS
	64	5320	29.91	28.71	PASS
	100	5500	26.76	25.26	PASS
	140	5700	26.55	22.92	PASS
	144	5720	26.25	26.25	PASS
11AC40MIMO	38	5190	51.42	47.88	PASS
	46	5230	52.74	52.14	PASS
	54	5270	48.84	46.68	PASS
	62	5310	46.14	46.14	PASS
	102	5510	44.64	46.08	PASS
	134	5670	44.4	45.18	PASS
	142	5710	45.18	45.6	PASS
11AC80MIMO	42	5210	89.12	92.96	PASS
	58	5290	88.16	90.88	PASS
	106	5530	88.48	91.36	PASS
11AX20MIMO_26T	36	5180	18.54	18.54	PASS
	48	5240	18.9	18.57	PASS
	52	5260	18.9	18.57	PASS
	64	5320	18.84	18.57	PASS

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	100	5500	18.81	18.51	PASS
	140	5700	18.57	18.06	PASS
11AX20MIMO_106T	36	5180	23.31	25.92	PASS
	48	5240	23.79	24.93	PASS
	52	5260	23.34	24.99	PASS
	64	5320	23.25	24.93	PASS
	100	5500	21.48	24.12	PASS
	140	5700	21.39	21.48	PASS
11AX20MIMO_242T	36	5180	21.27	21.03	PASS
	48	5240	21.3	21.24	PASS
	52	5260	21.21	21.21	PASS
	64	5320	21.18	21.18	PASS
	100	5500	21.3	21.33	PASS
	140	5700	21.24	21.27	PASS
11AX40MIMO_242T	38	5190	41.82	42.18	PASS
	46	5230	41.82	42.18	PASS
	54	5270	41.88	41.7	PASS
	62	5310	42.18	41.94	PASS
	102	5510	41.46	41.64	PASS
	134	5670	41.4	41.76	PASS
11AX40MIMO_484T	38	5190	44.16	44.22	PASS
	46	5230	44.16	44.40	PASS
	54	5270	44.22	44.22	PASS
	62	5310	44.28	44.28	PASS
	102	5510	44.28	44.22	PASS
	134	5670	44.1	44.28	PASS
11AX80MIMO_484T	42	5210	88.00	86.88	PASS
	58	5290	93.44	93.44	PASS
	106	5530	84.64	85.44	PASS
11AX80MIMO_996T	42	5210	82.88	82.4	PASS
	58	5290	83.04	83.04	PASS
	106	5530	82.88	82.4	PASS

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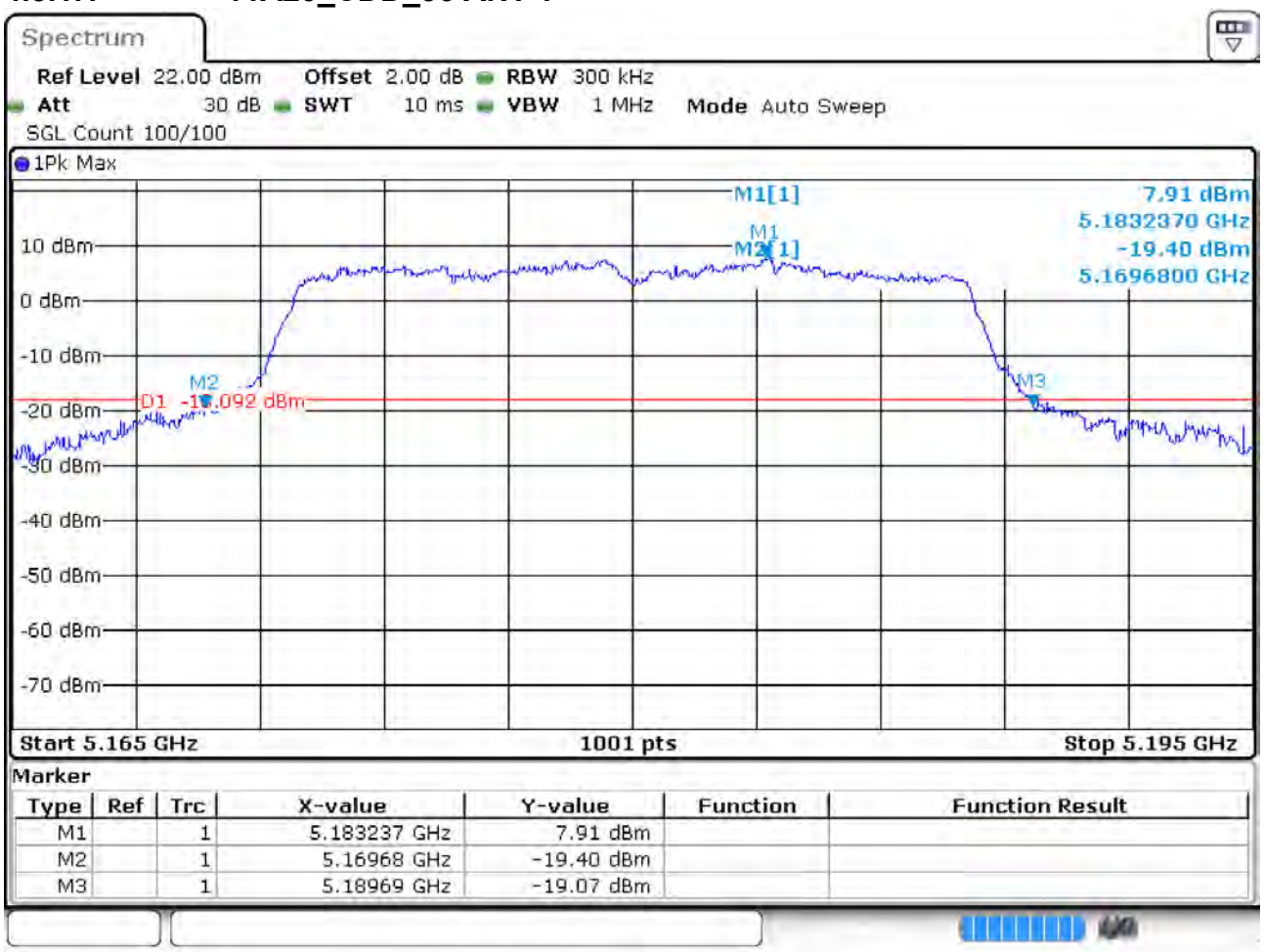
4.5.1 Plots for 26dB Emission Bandwidth

4.5.1.1 11A20_CDD_36 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.183237 GHz	7.91 dBm		
M2		1	5.16968 GHz	-19.40 dBm		
M3		1	5.18969 GHz	-19.07 dBm		

Date: 9.APR.2020 03:37:38

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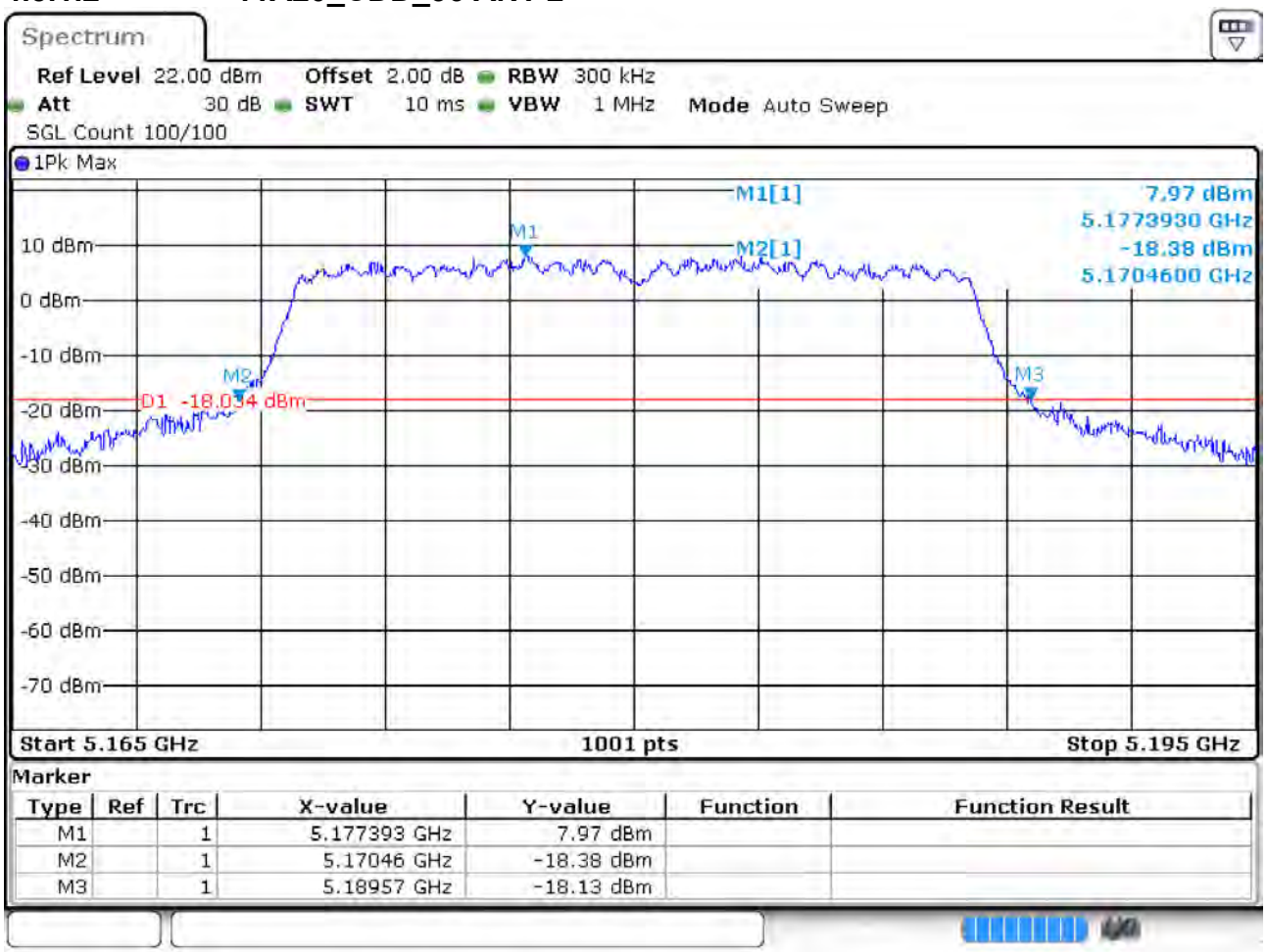
4.5.1.2 11A20_CDD_36 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.177393 GHz	7.97 dBm		
M2		1	5.17046 GHz	-18.38 dBm		
M3		1	5.18957 GHz	-18.13 dBm		

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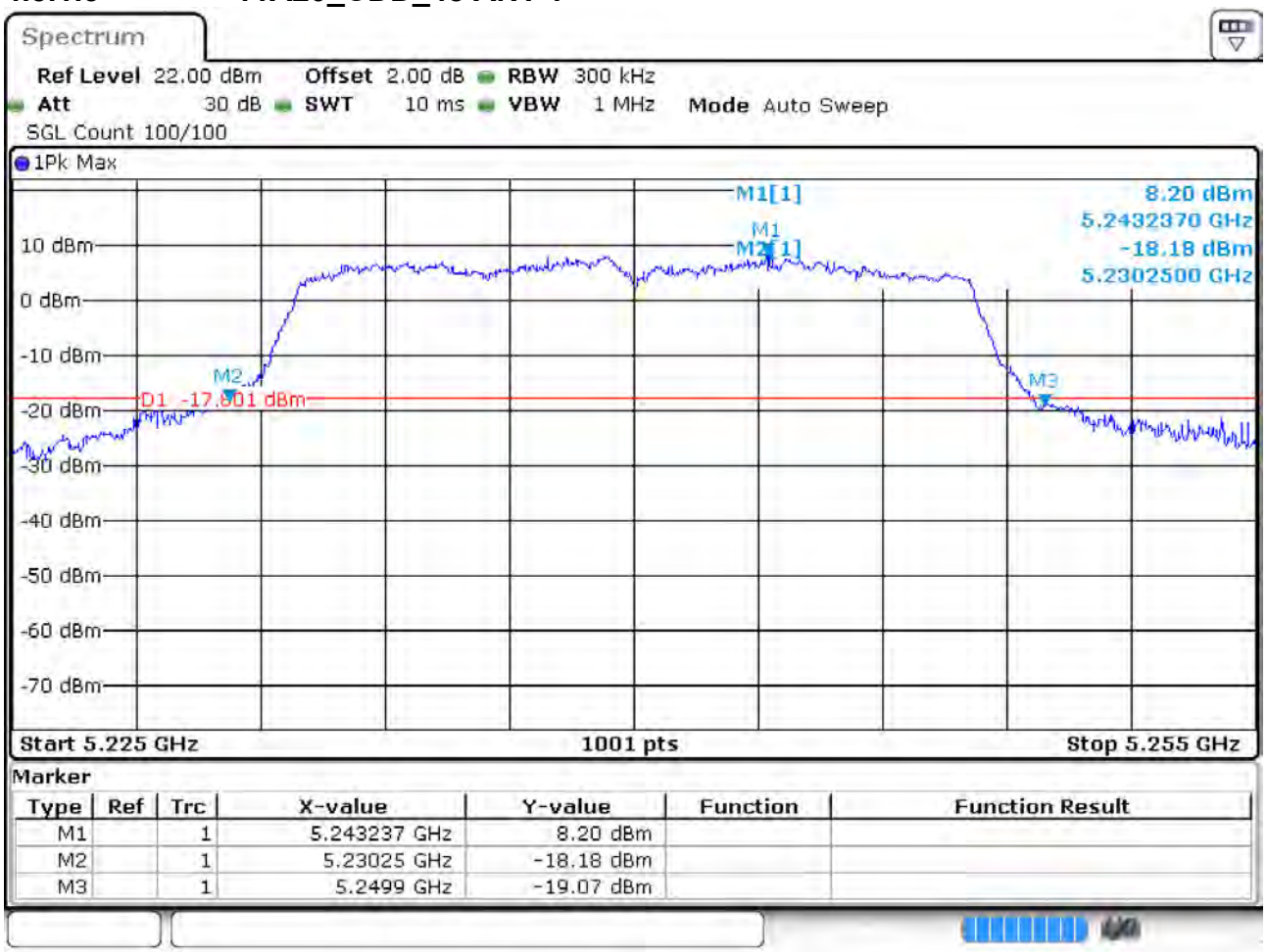
4.5.1.3 11A20_CDD_48 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.243237 GHz	8.20 dBm		
M2		1	5.23025 GHz	-18.18 dBm		
M3		1	5.2499 GHz	-19.07 dBm		

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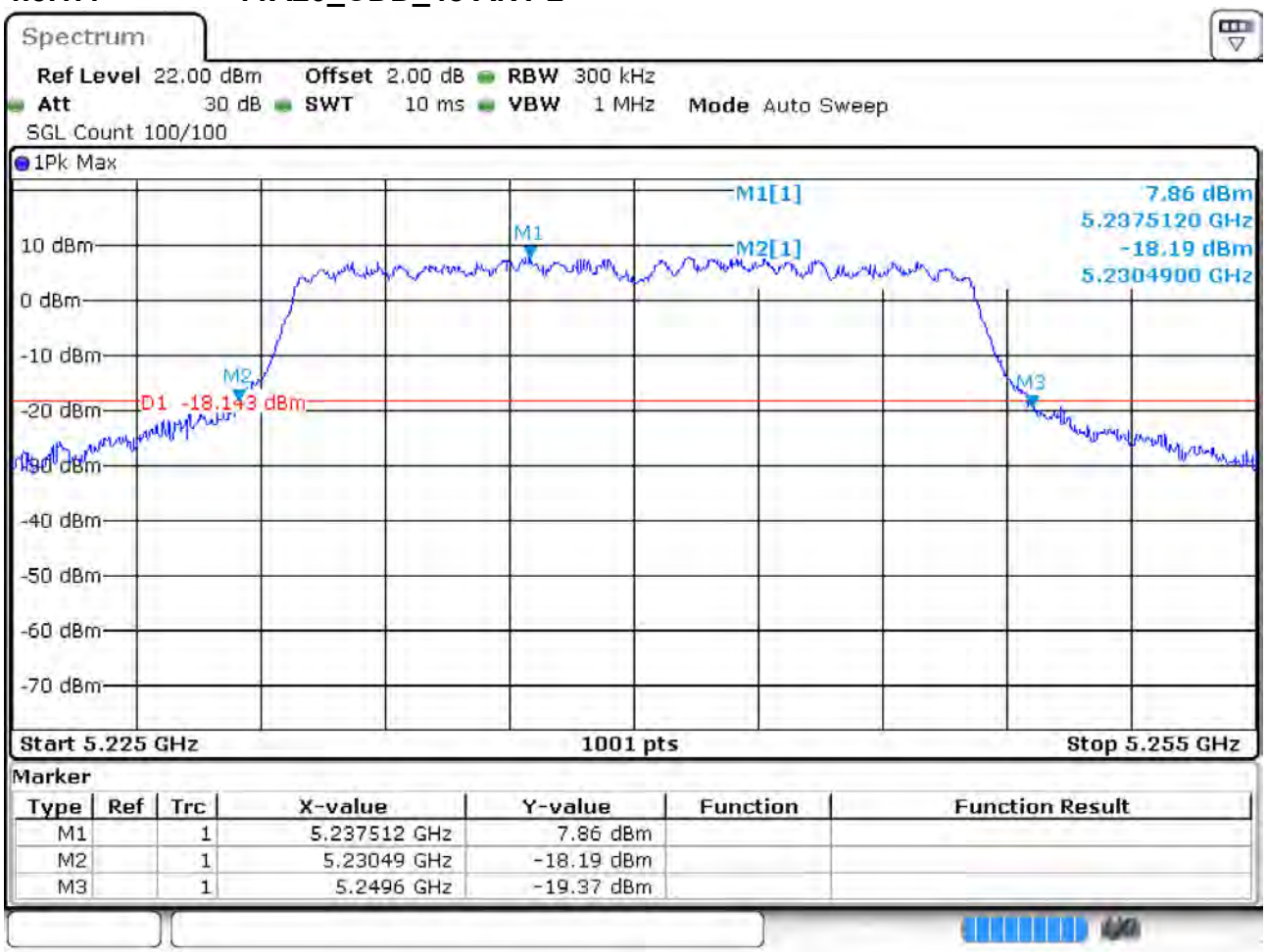
4.5.1.4 11A20_CDD_48 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.237512 GHz	7.86 dBm		
M2		1	5.23049 GHz	-18.19 dBm		
M3		1	5.2496 GHz	-19.37 dBm		

Date: 9.APR.2020 07:19:54

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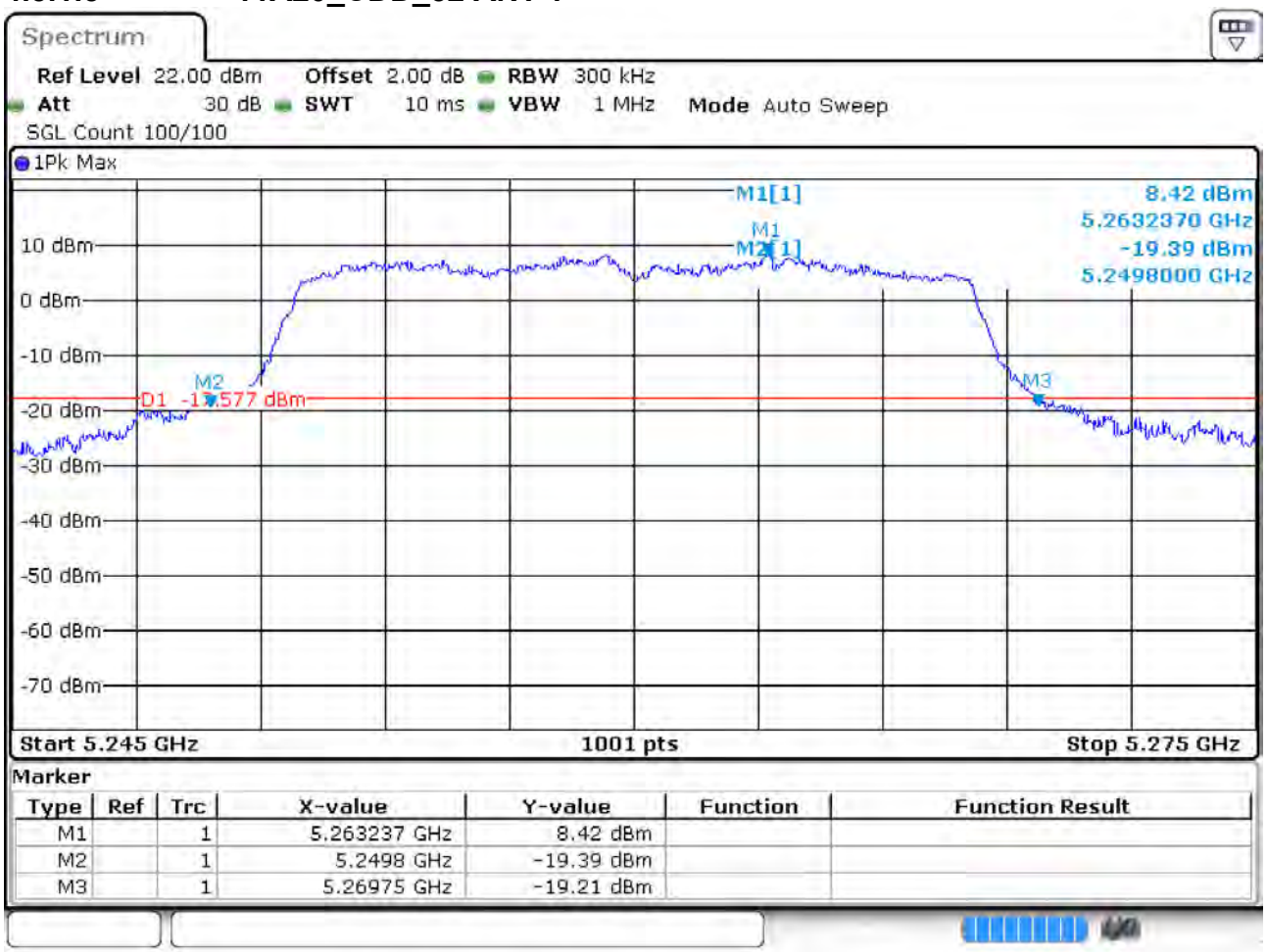
4.5.1.5 11A20_CDD_52 ANT 1



Date: 9.APR.2020 03:42:51

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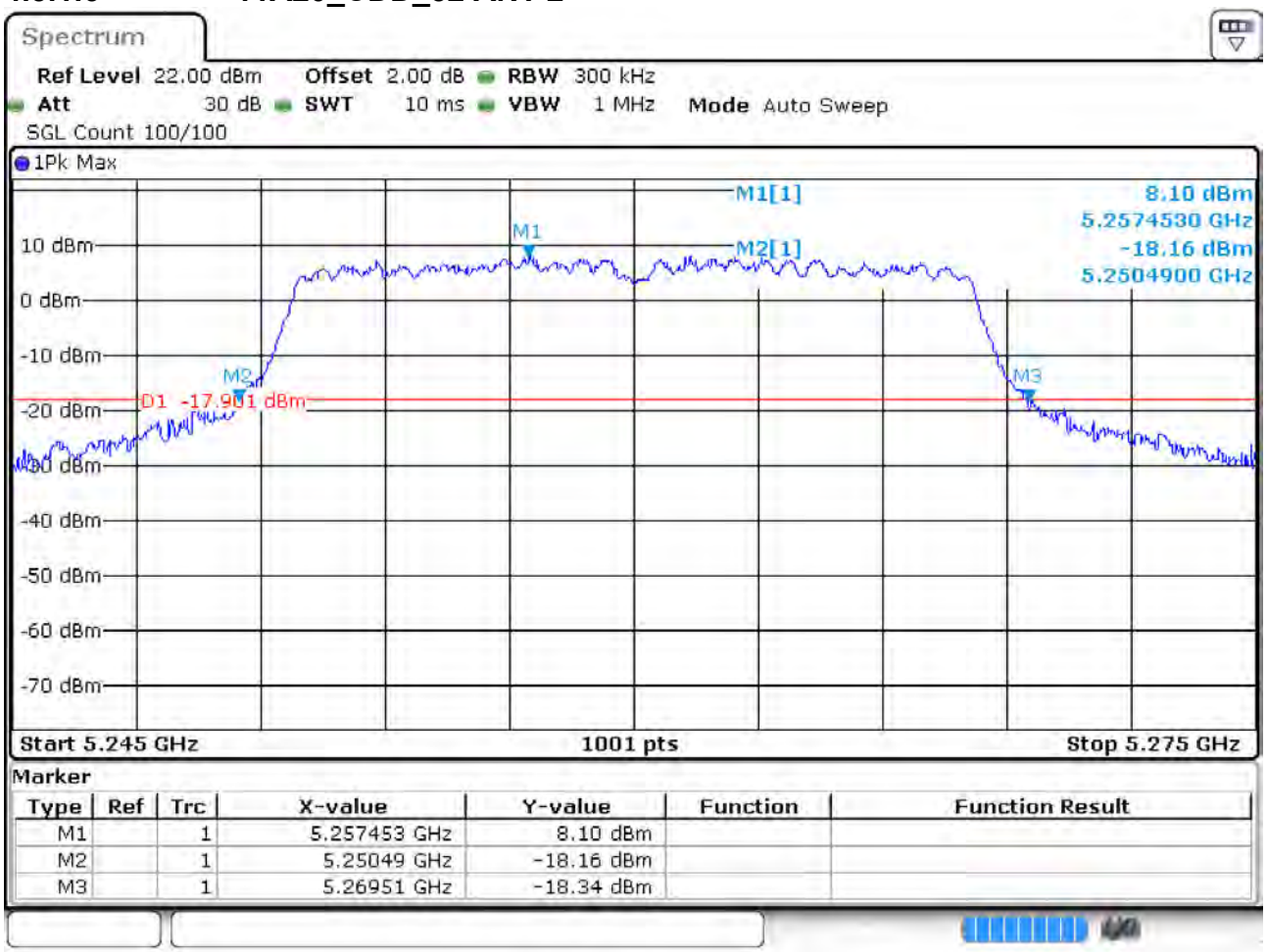
4.5.1.6 11A20_CDD_52 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.257453 GHz	8.10 dBm		
M2		1	5.25049 GHz	-18.16 dBm		
M3		1	5.26951 GHz	-18.34 dBm		

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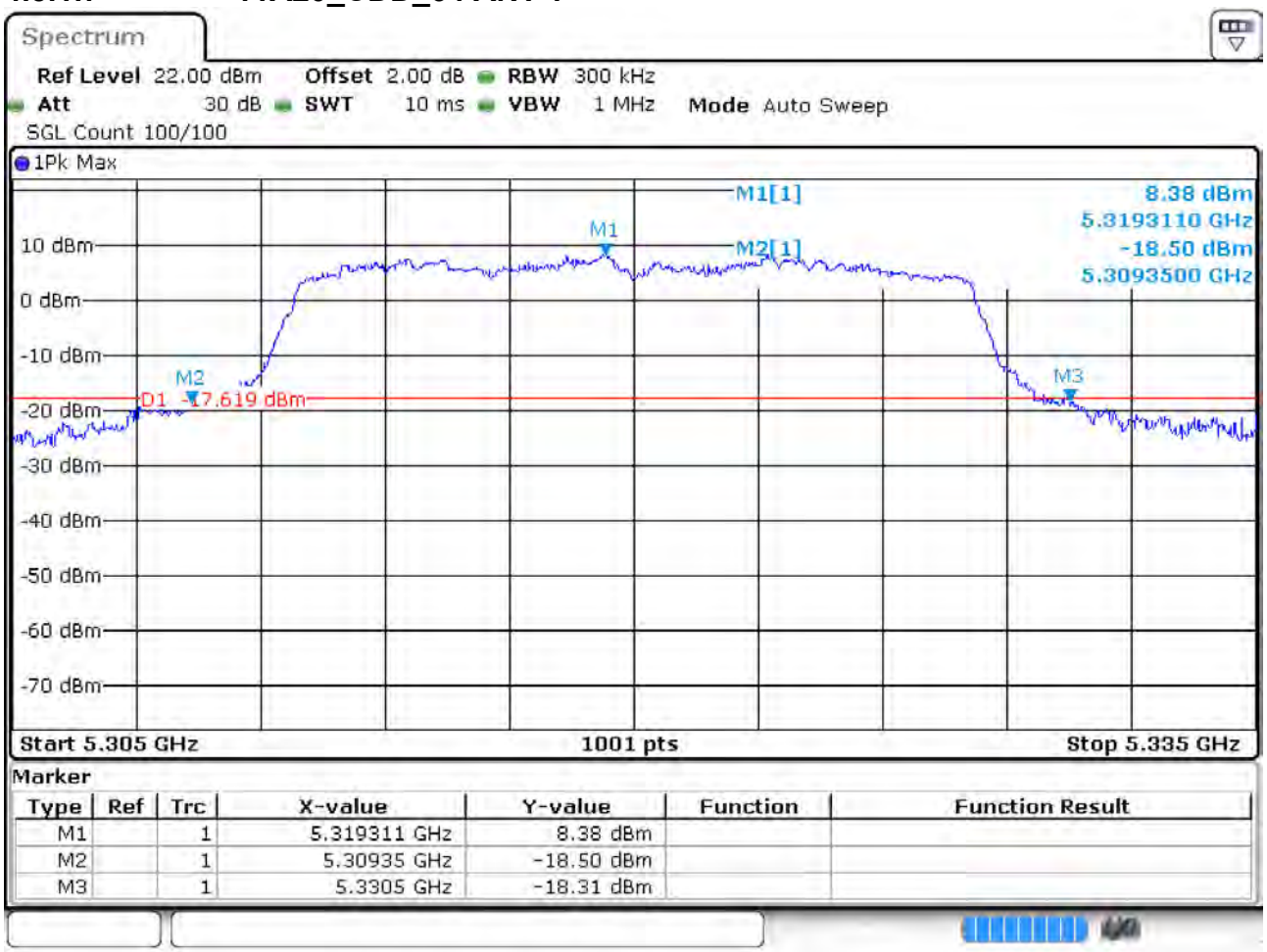
4.5.1.7 11A20_CDD_64 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.319311 GHz	8.38 dBm		
M2		1	5.30935 GHz	-18.50 dBm		
M3		1	5.3305 GHz	-18.31 dBm		

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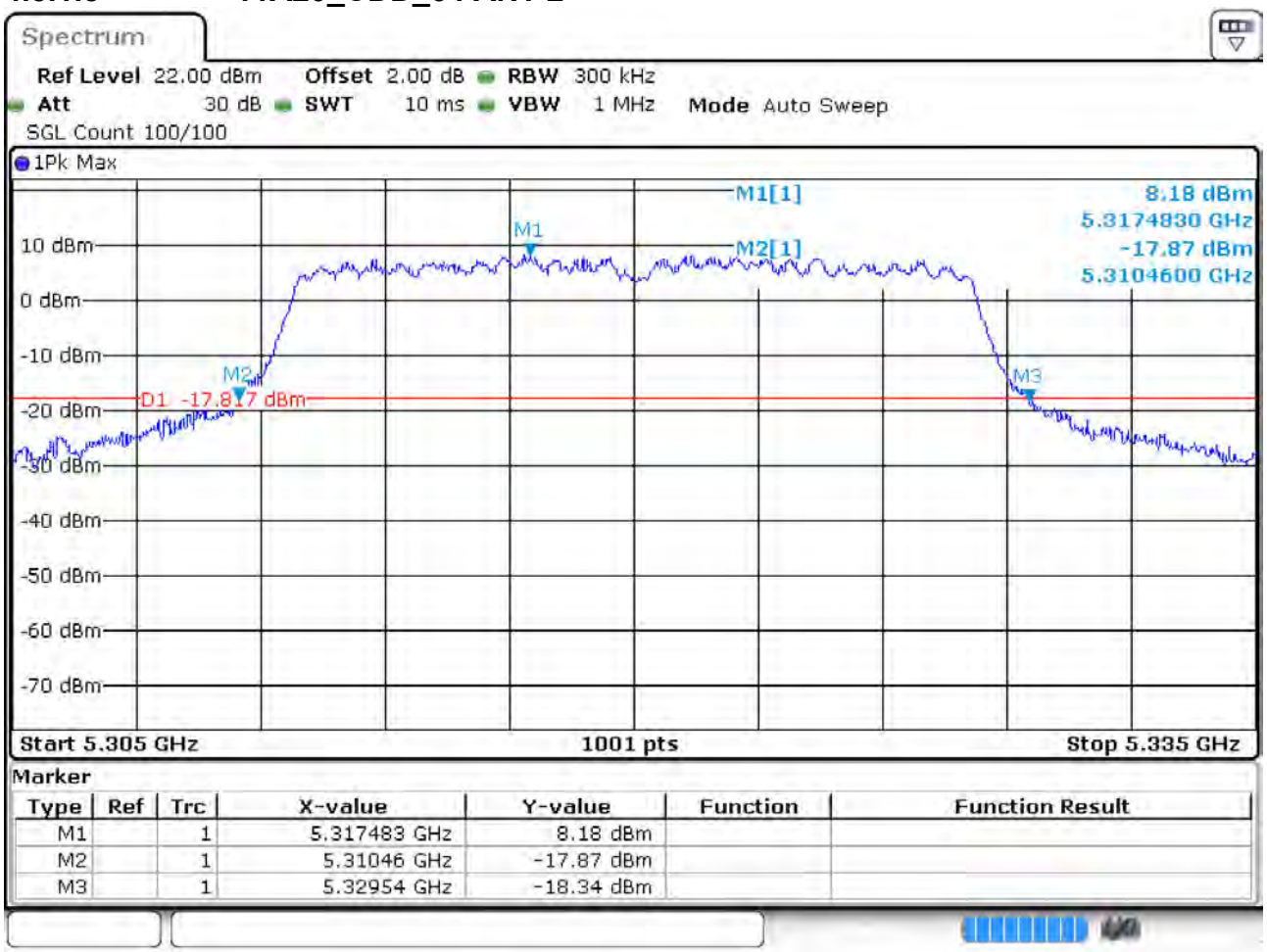
4.5.1.8 11A20_CDD_64 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.317483 GHz	8.18 dBm		
M2		1	5.31046 GHz	-17.87 dBm		
M3		1	5.32954 GHz	-18.34 dBm		

Date: 9.APR.2020 07:23:02

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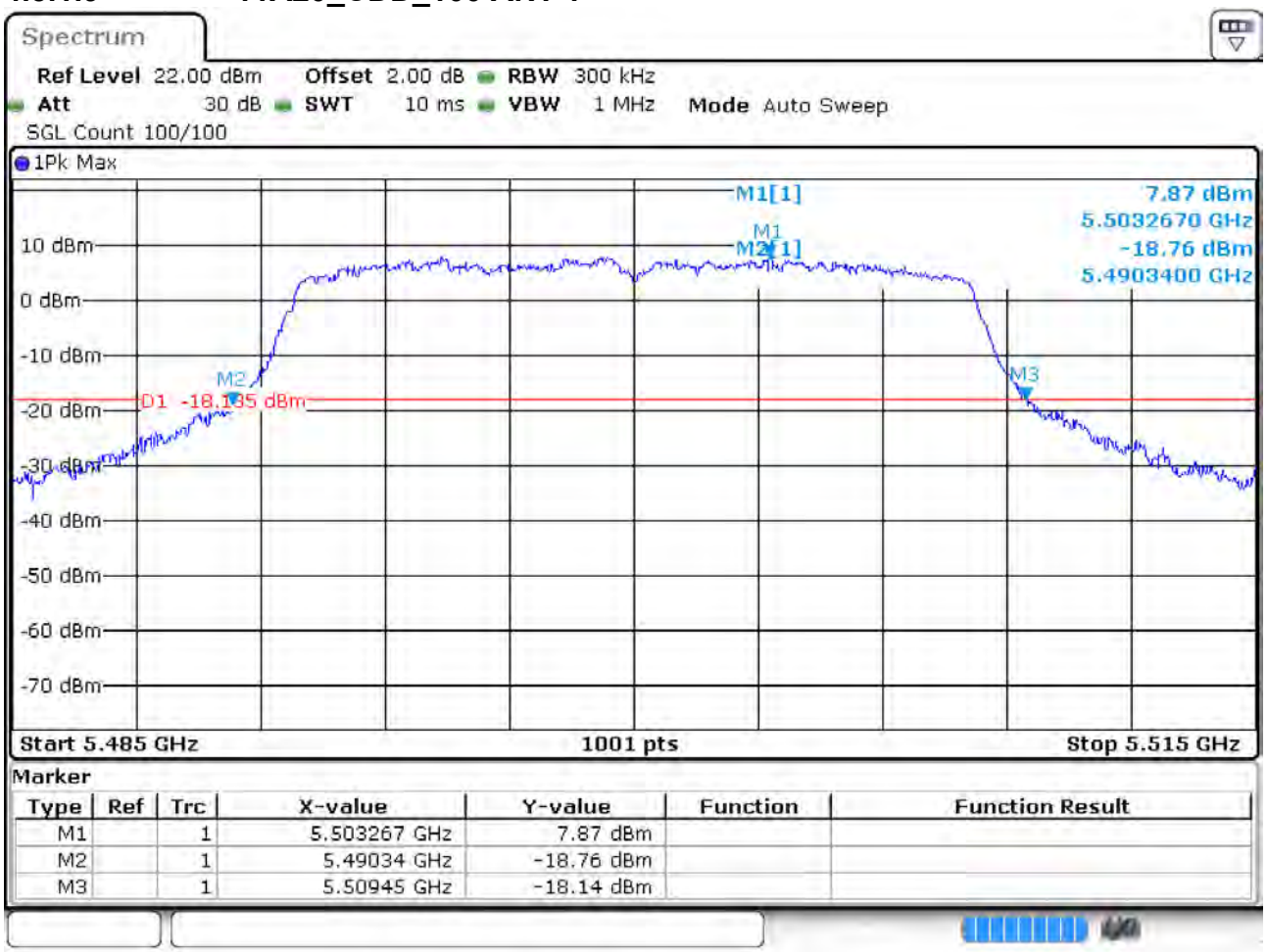
4.5.1.9 11A20_CDD_100 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.503267 GHz	7.87 dBm		
M2		1	5.49034 GHz	-18.76 dBm		
M3		1	5.50945 GHz	-18.14 dBm		

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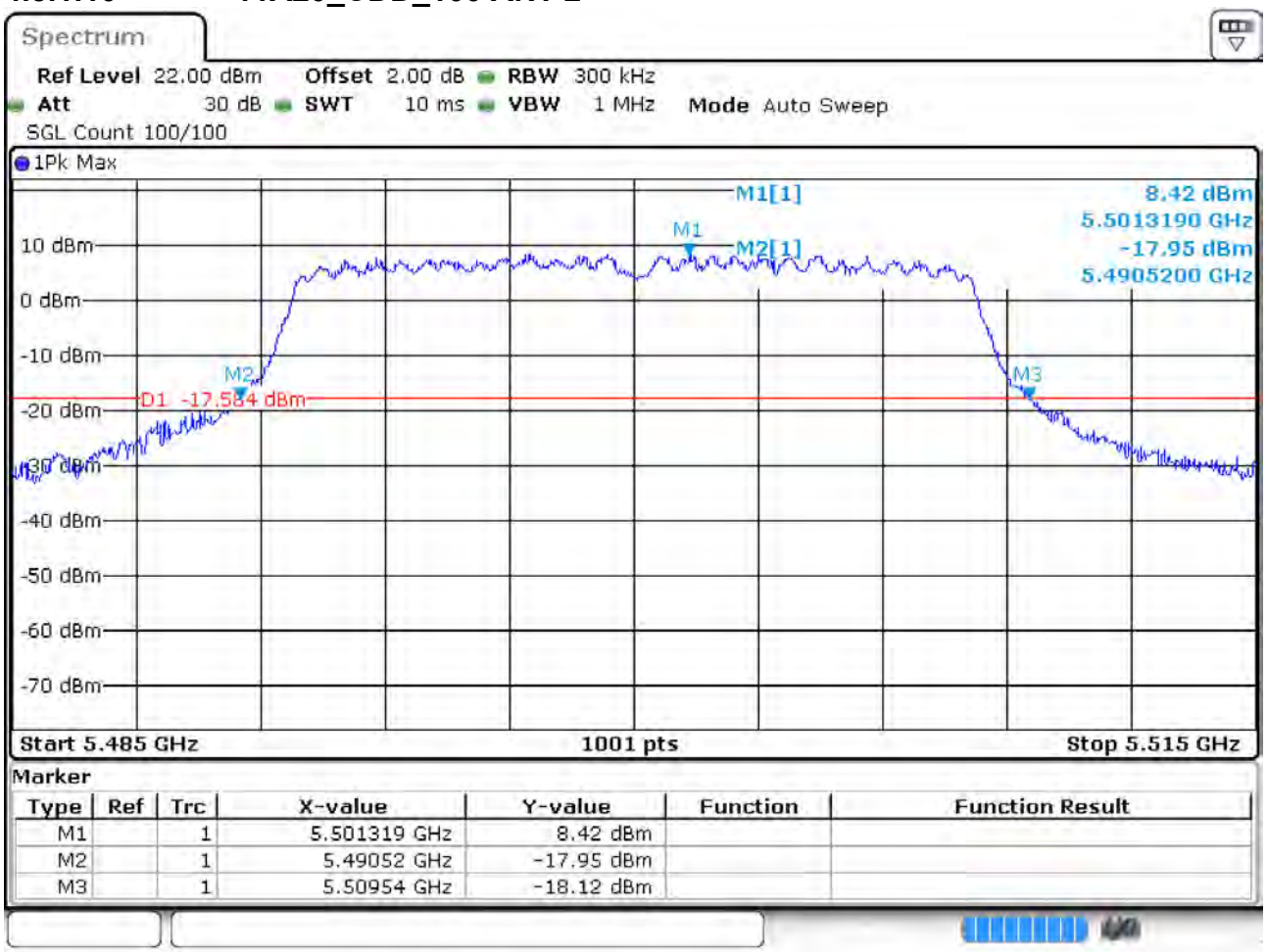
4.5.1.10 11A20_CDD_100 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.501319 GHz	8.42 dBm		
M2		1	5.49052 GHz	-17.95 dBm		
M3		1	5.50954 GHz	-18.12 dBm		

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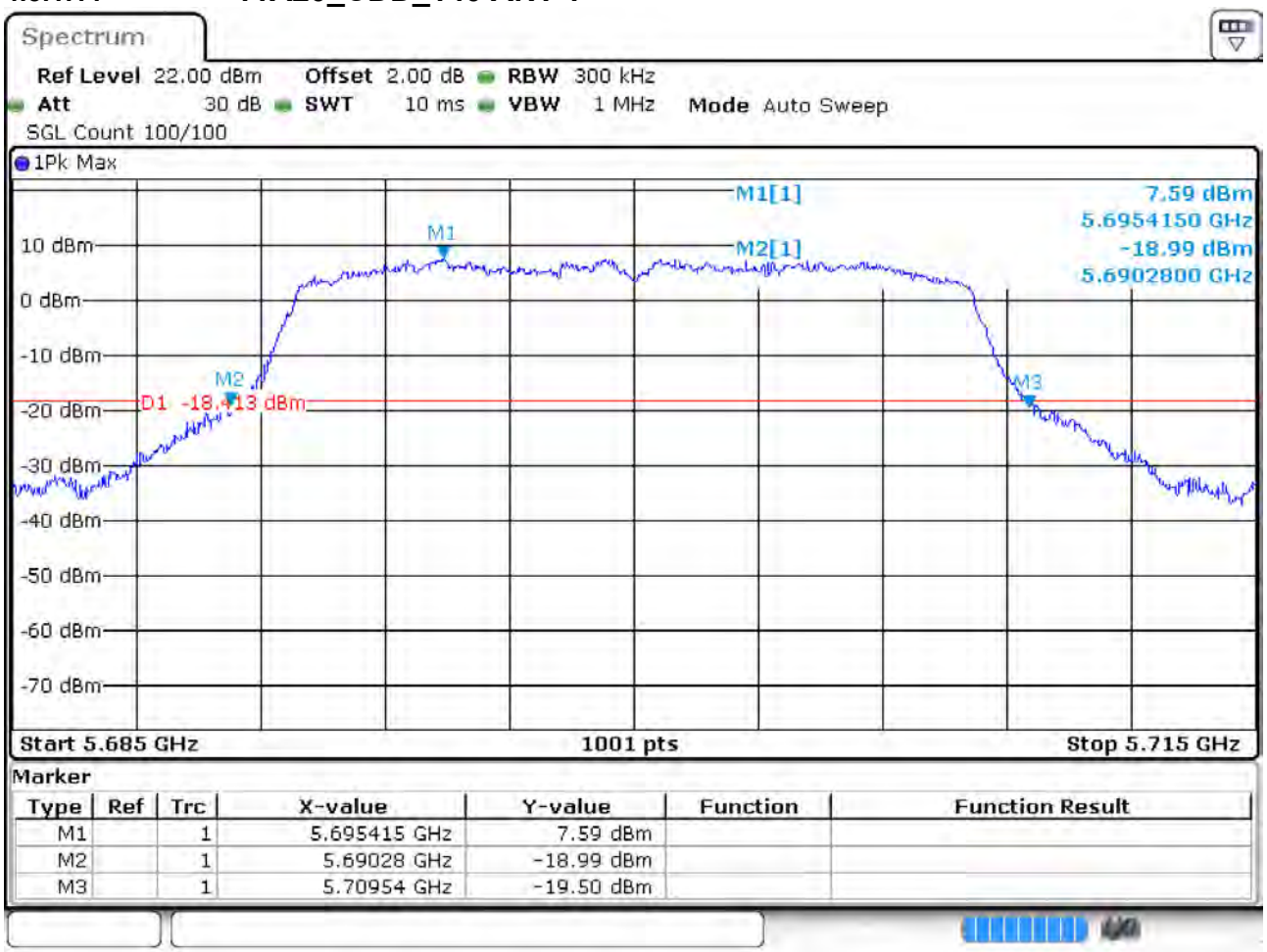
4.5.1.11 11A20_CDD_140 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.695415 GHz	7.59 dBm		
M2		1	5.69028 GHz	-18.99 dBm		
M3		1	5.70954 GHz	-19.50 dBm		

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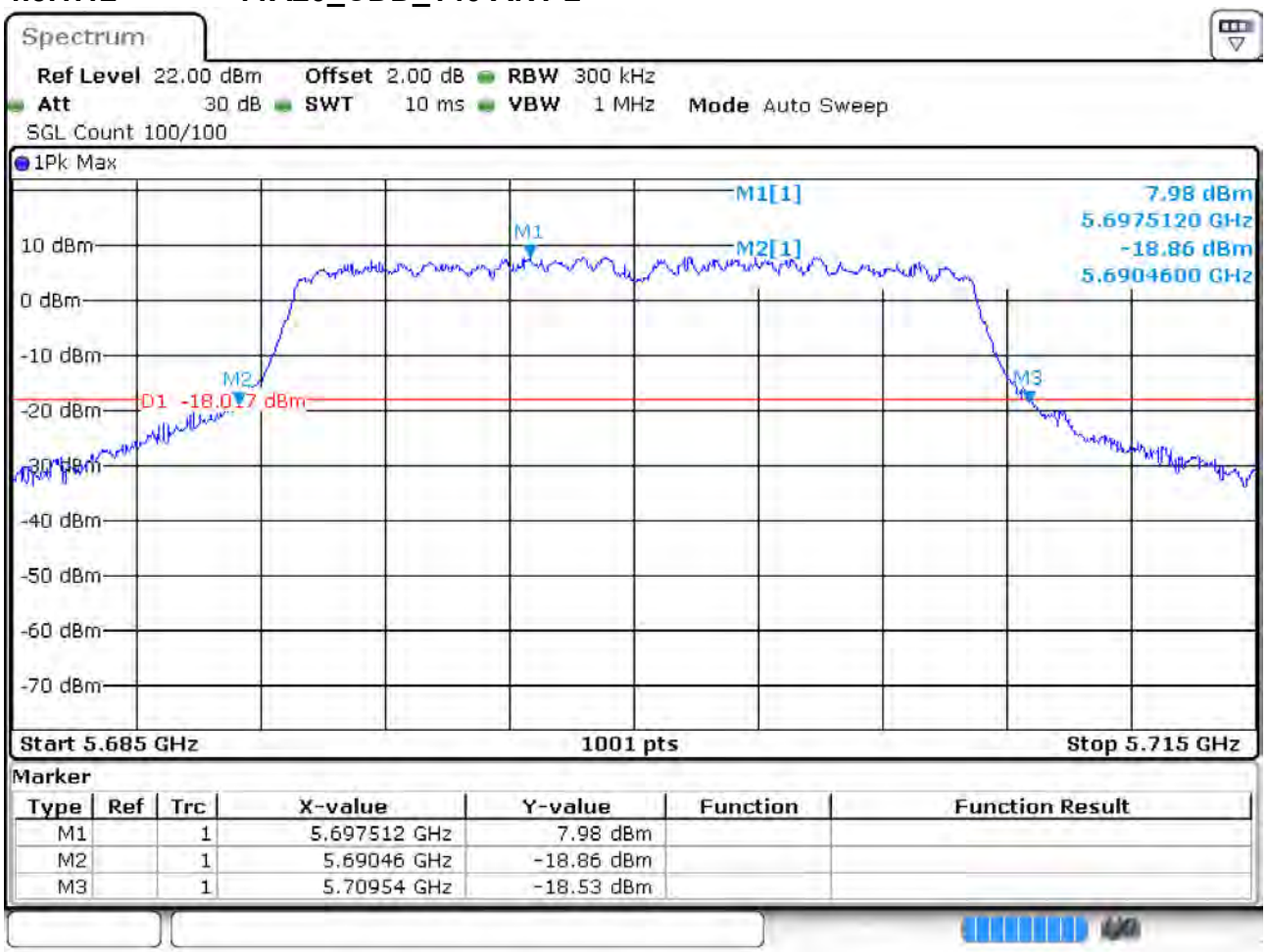
4.5.1.12 11A20_CDD_140 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.697512 GHz	7.98 dBm		
M2		1	5.69046 GHz	-18.86 dBm		
M3		1	5.70954 GHz	-18.53 dBm		

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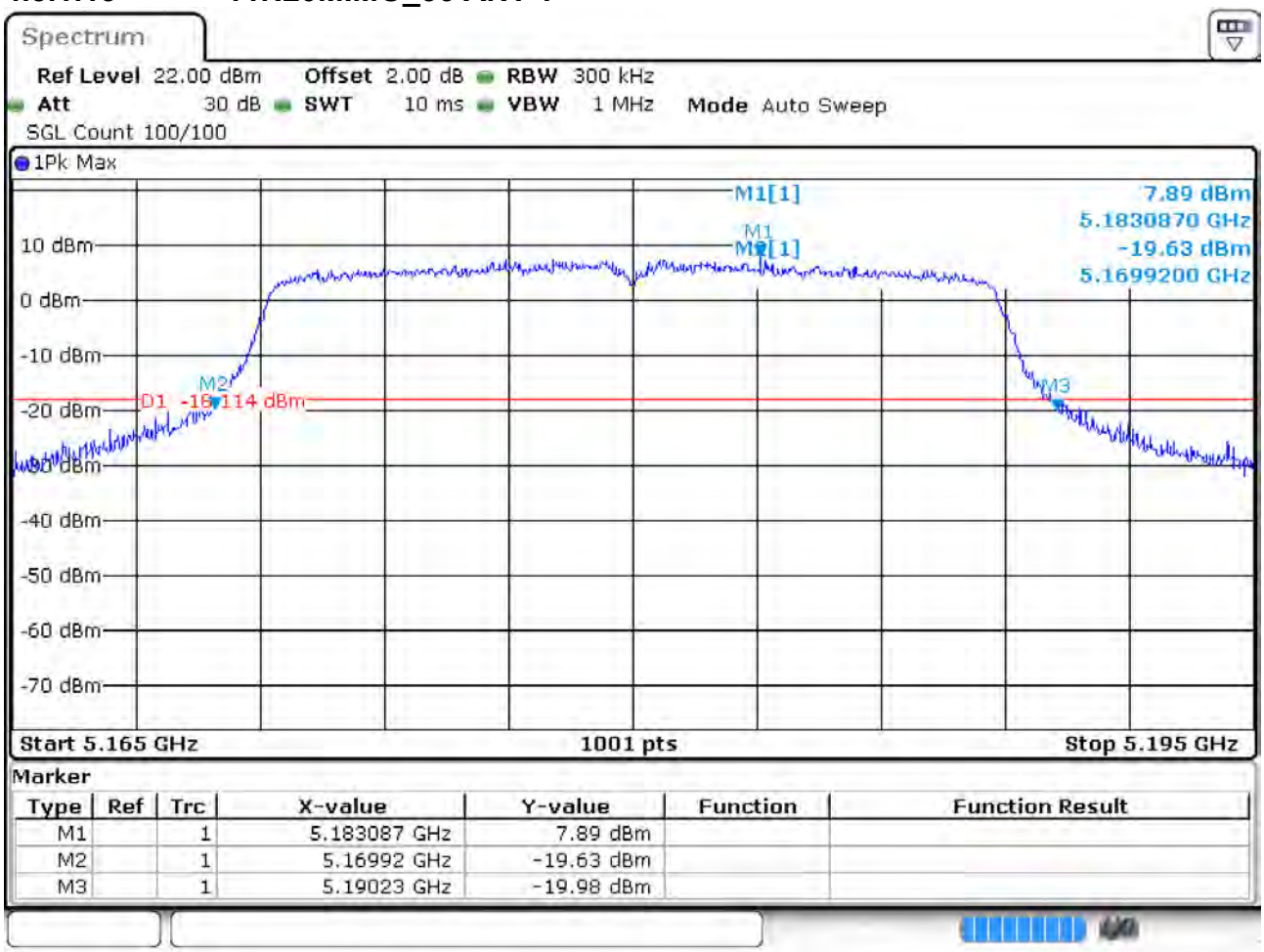
4.5.1.13 11N20MIMO_36 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.183087 GHz	7.89 dBm		
M2		1	5.16992 GHz	-19.63 dBm		
M3		1	5.19023 GHz	-19.98 dBm		

Date: 9.APR.2020 04:17:42

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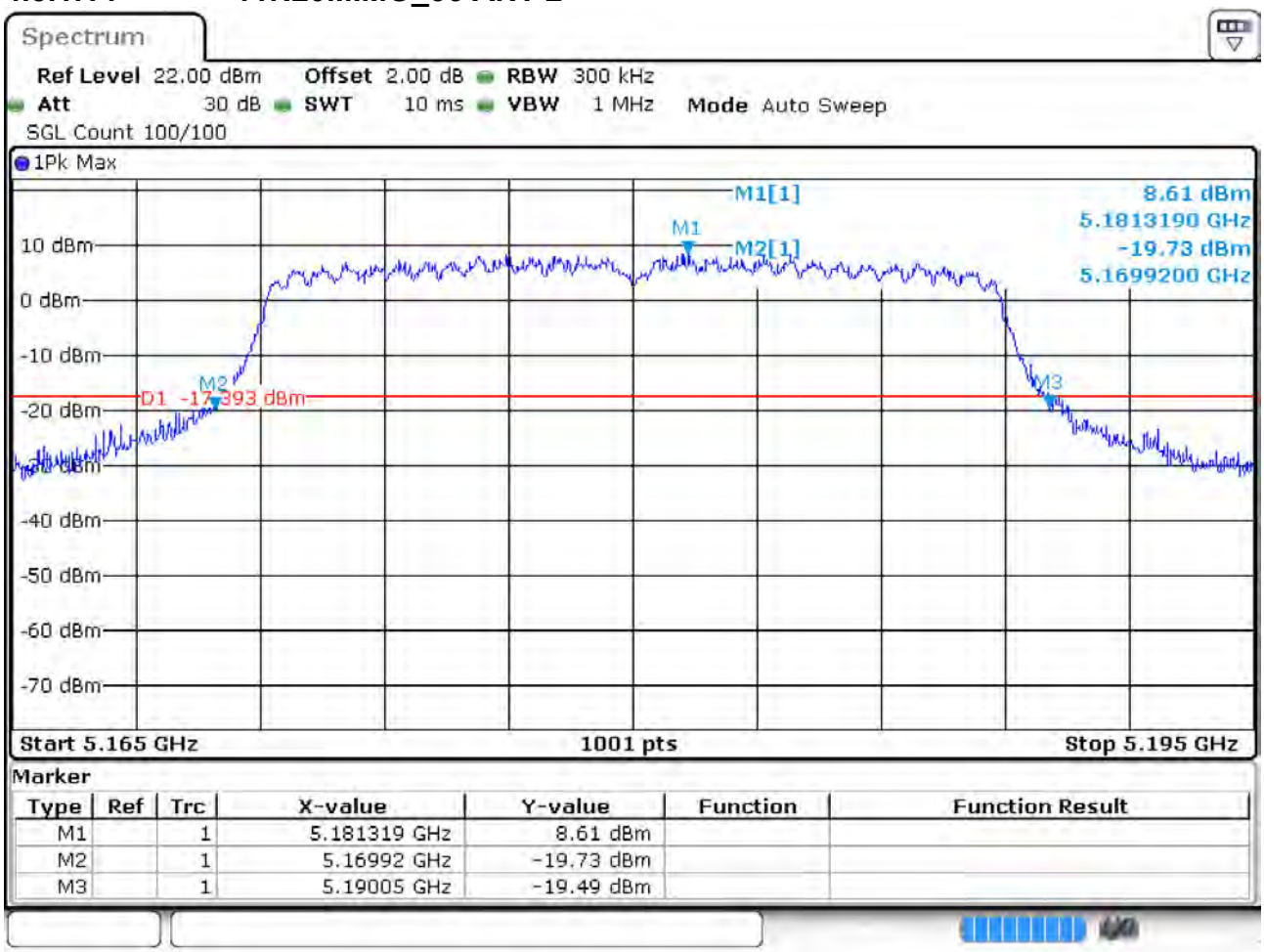
4.5.1.14 11N20MIMO_36 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.181319 GHz	8.61 dBm		
M2		1	5.16992 GHz	-19.73 dBm		
M3		1	5.19005 GHz	-19.49 dBm		

Date: 10.APR.2020 02:32:38

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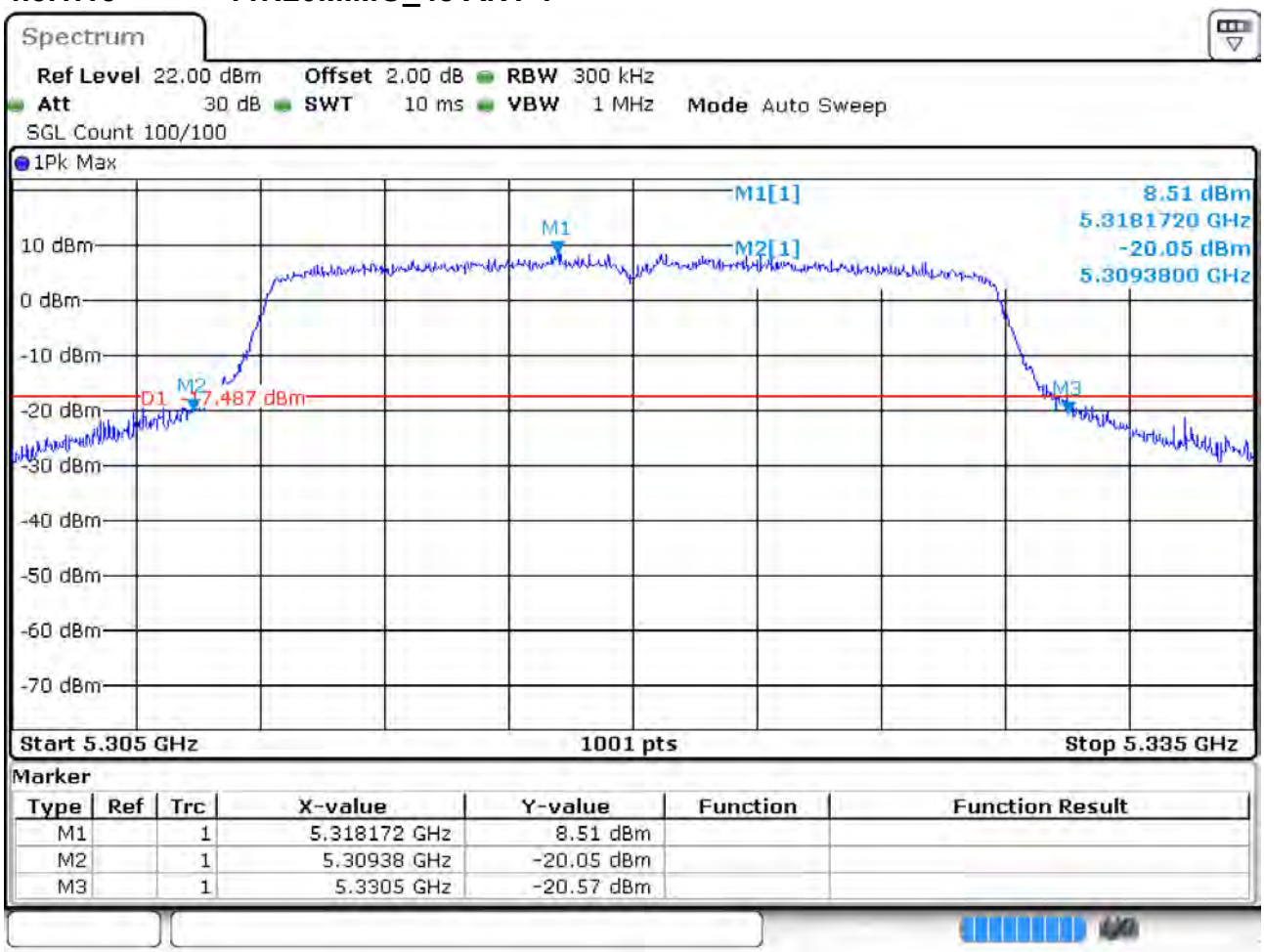
4.5.1.15 11N20MIMO_48 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.318172 GHz	8.51 dBm		
M2		1	5.30938 GHz	-20.05 dBm		
M3		1	5.3305 GHz	-20.57 dBm		

Date: 9.APR.2020 04:26:18

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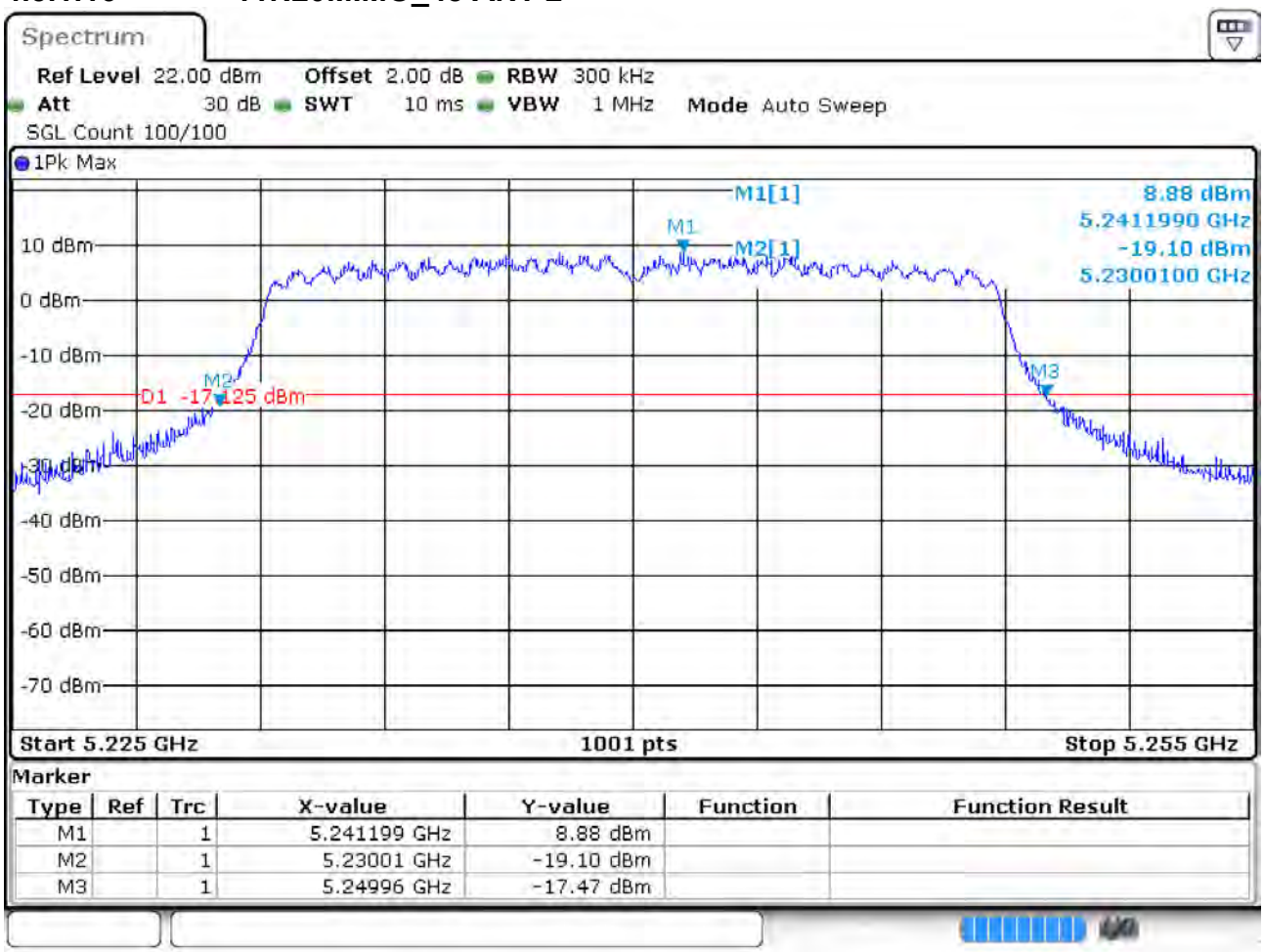
4.5.1.16 11N20MIMO_48 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.241199 GHz	8.88 dBm		
M2		1	5.23001 GHz	-19.10 dBm		
M3		1	5.24996 GHz	-17.47 dBm		

Date: 10.APR.2020 02:37:44

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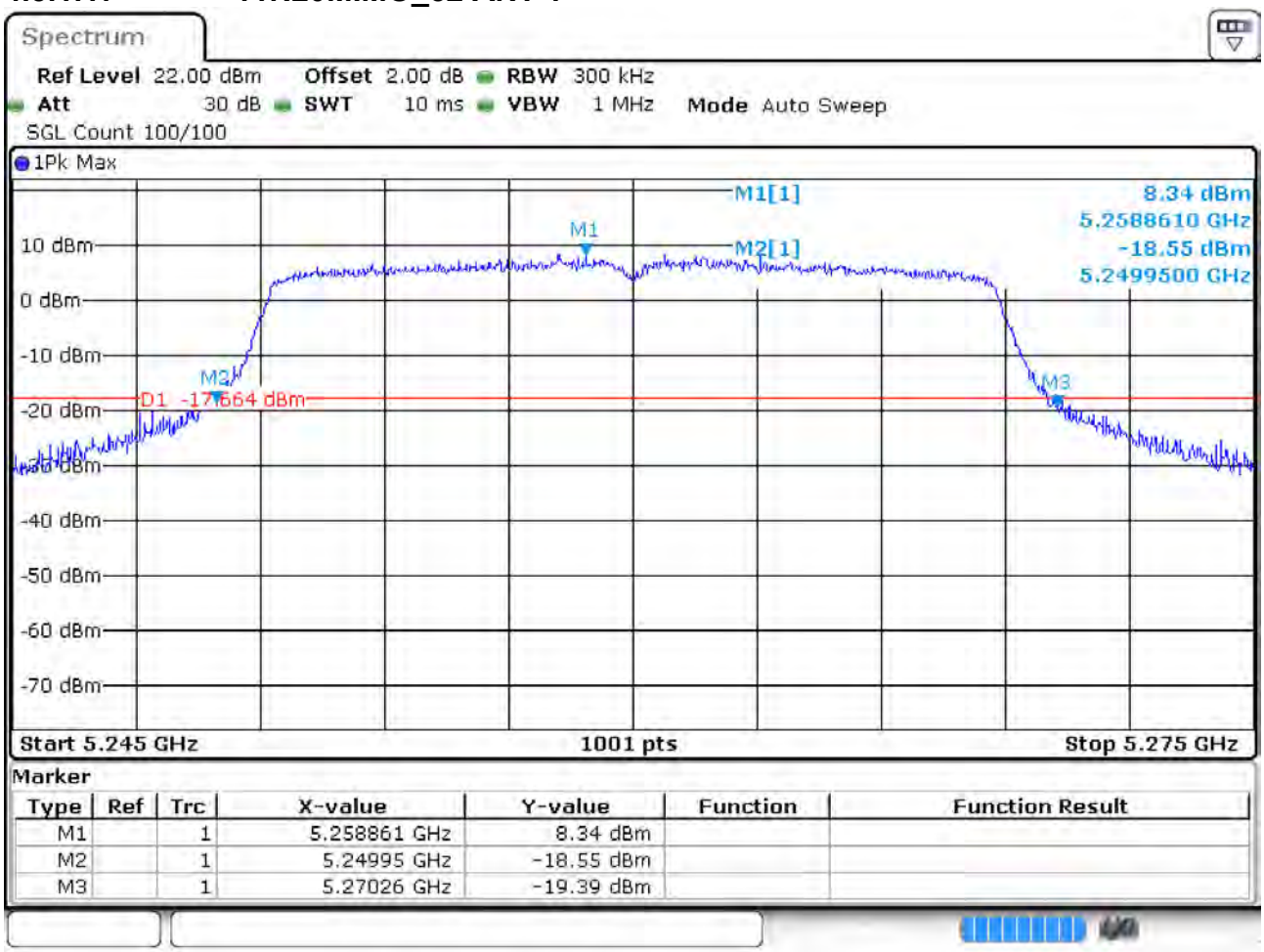
4.5.1.17 11N20MIMO_52 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.258861 GHz	8.34 dBm		
M2		1	5.24995 GHz	-18.55 dBm		
M3		1	5.27026 GHz	-19.39 dBm		

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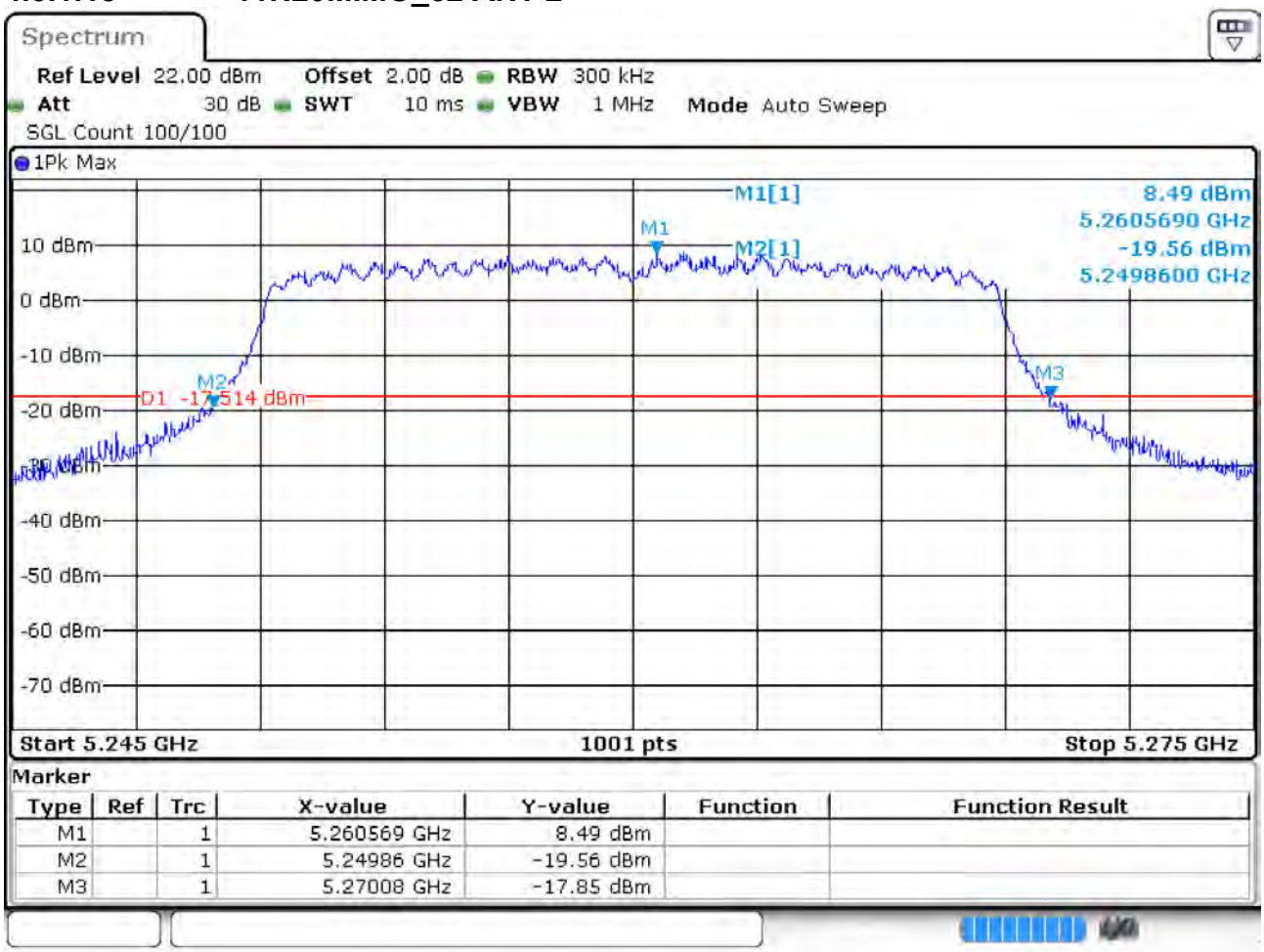
4.5.1.18 11N20MIMO_52 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.260569 GHz	8.49 dBm		
M2		1	5.24986 GHz	-19.56 dBm		
M3		1	5.27008 GHz	-17.85 dBm		

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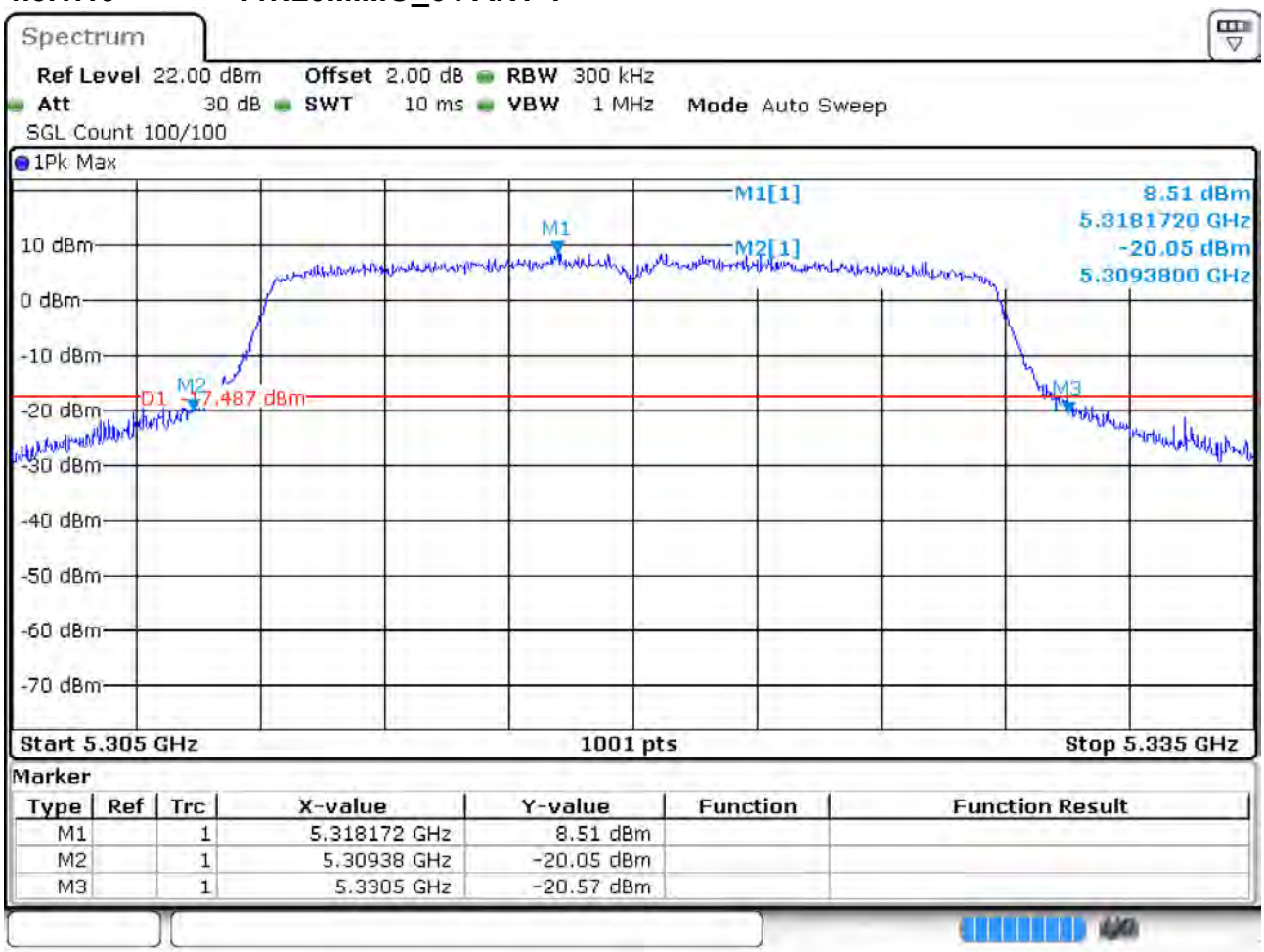
4.5.1.19 11N20MIMO_64 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.318172 GHz	8.51 dBm		
M2		1	5.30938 GHz	-20.05 dBm		
M3		1	5.3305 GHz	-20.57 dBm		

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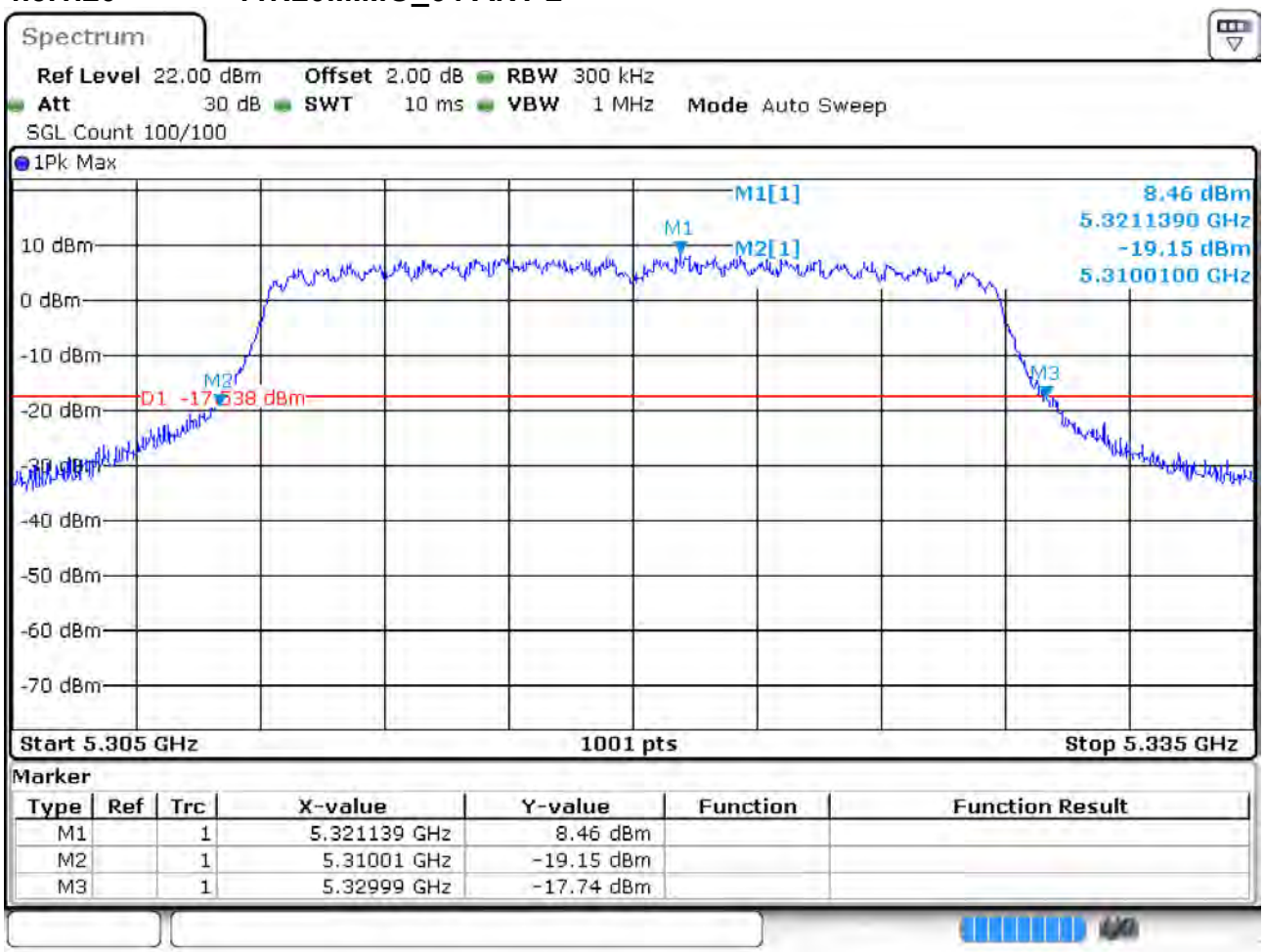
4.5.1.20 11N20MIMO_64 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.321139 GHz	8.46 dBm		
M2		1	5.31001 GHz	-19.15 dBm		
M3		1	5.32999 GHz	-17.74 dBm		

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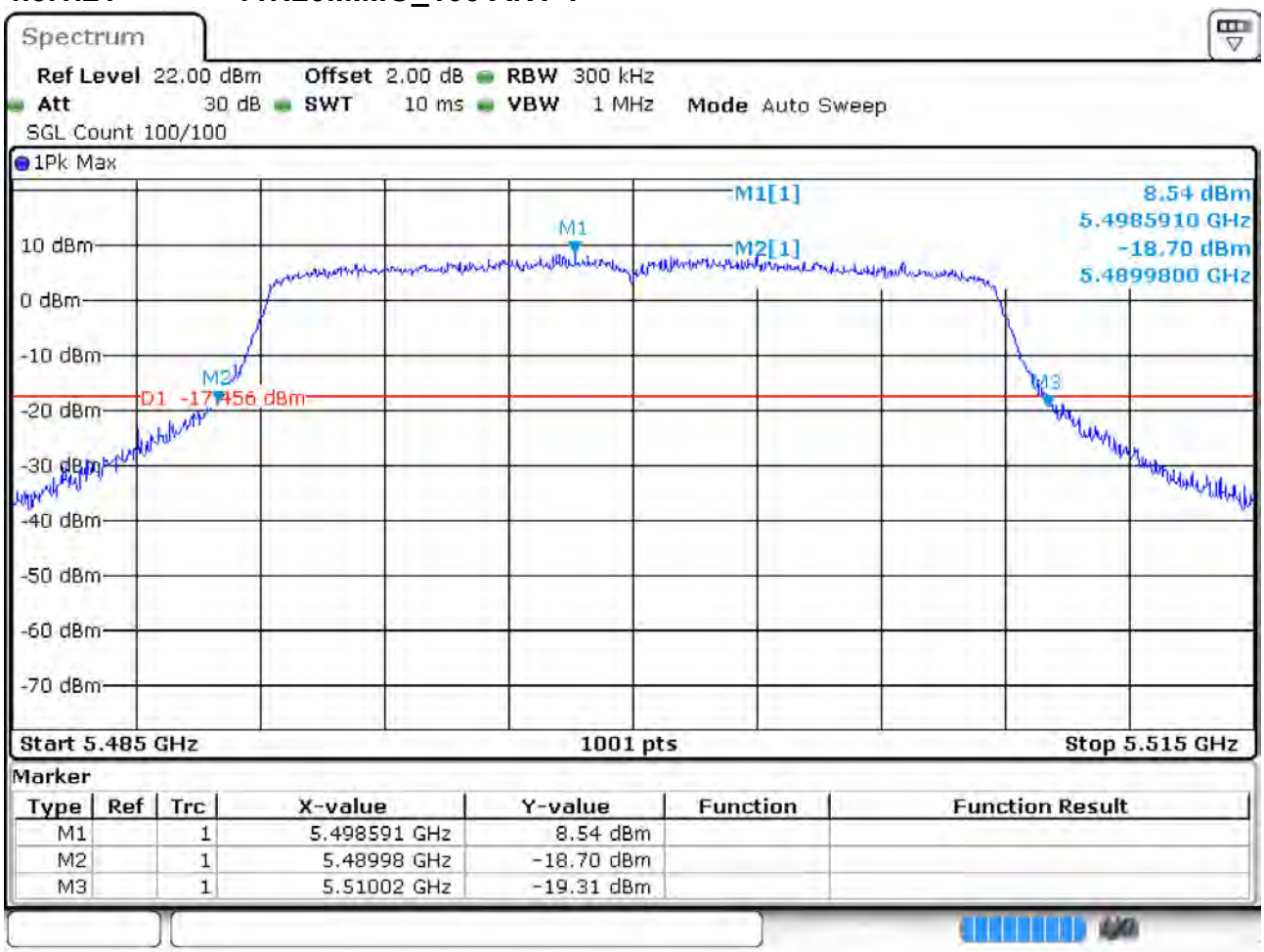
4.5.1.21 11N20MIMO_100 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.498591 GHz	8.54 dBm		
M2		1	5.48998 GHz	-18.70 dBm		
M3		1	5.51002 GHz	-19.31 dBm		

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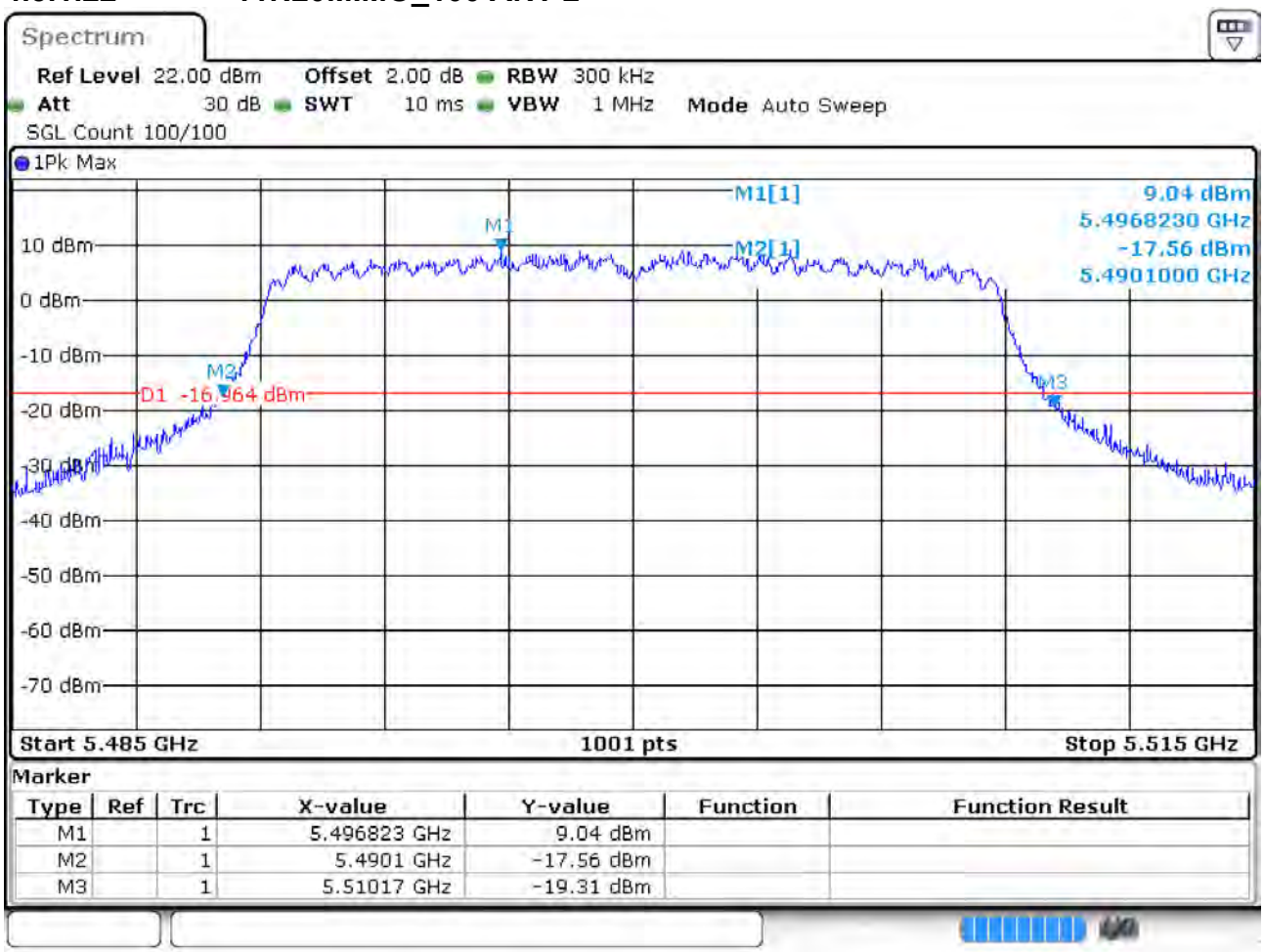
4.5.1.22 11N20MIMO_100 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.496823 GHz	9.04 dBm		
M2		1	5.4901 GHz	-17.56 dBm		
M3		1	5.51017 GHz	-19.31 dBm		

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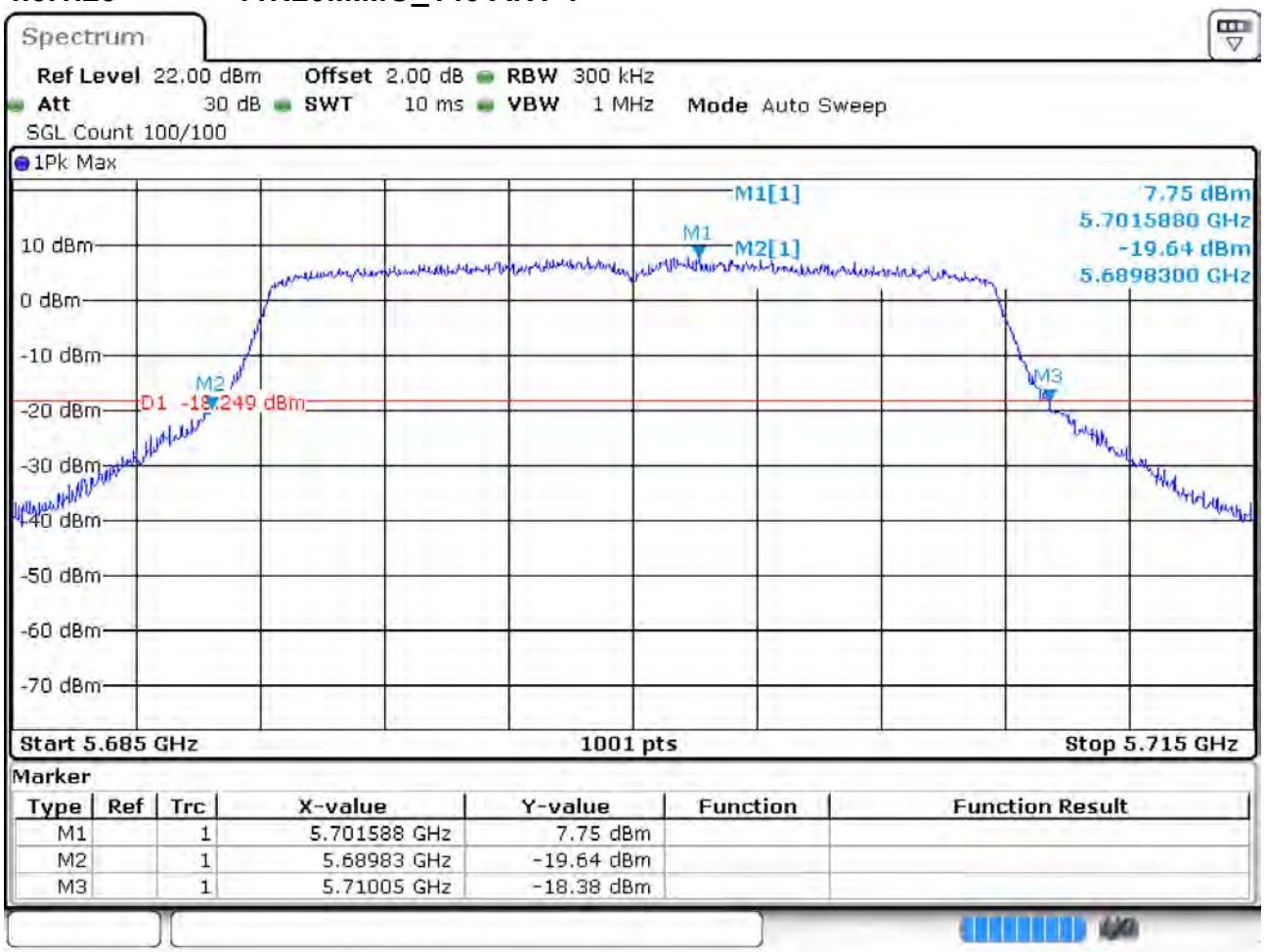
4.5.1.23 11N20MIMO_140 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.701588 GHz	7.75 dBm		
M2		1	5.68983 GHz	-19.64 dBm		
M3		1	5.71005 GHz	-18.38 dBm		

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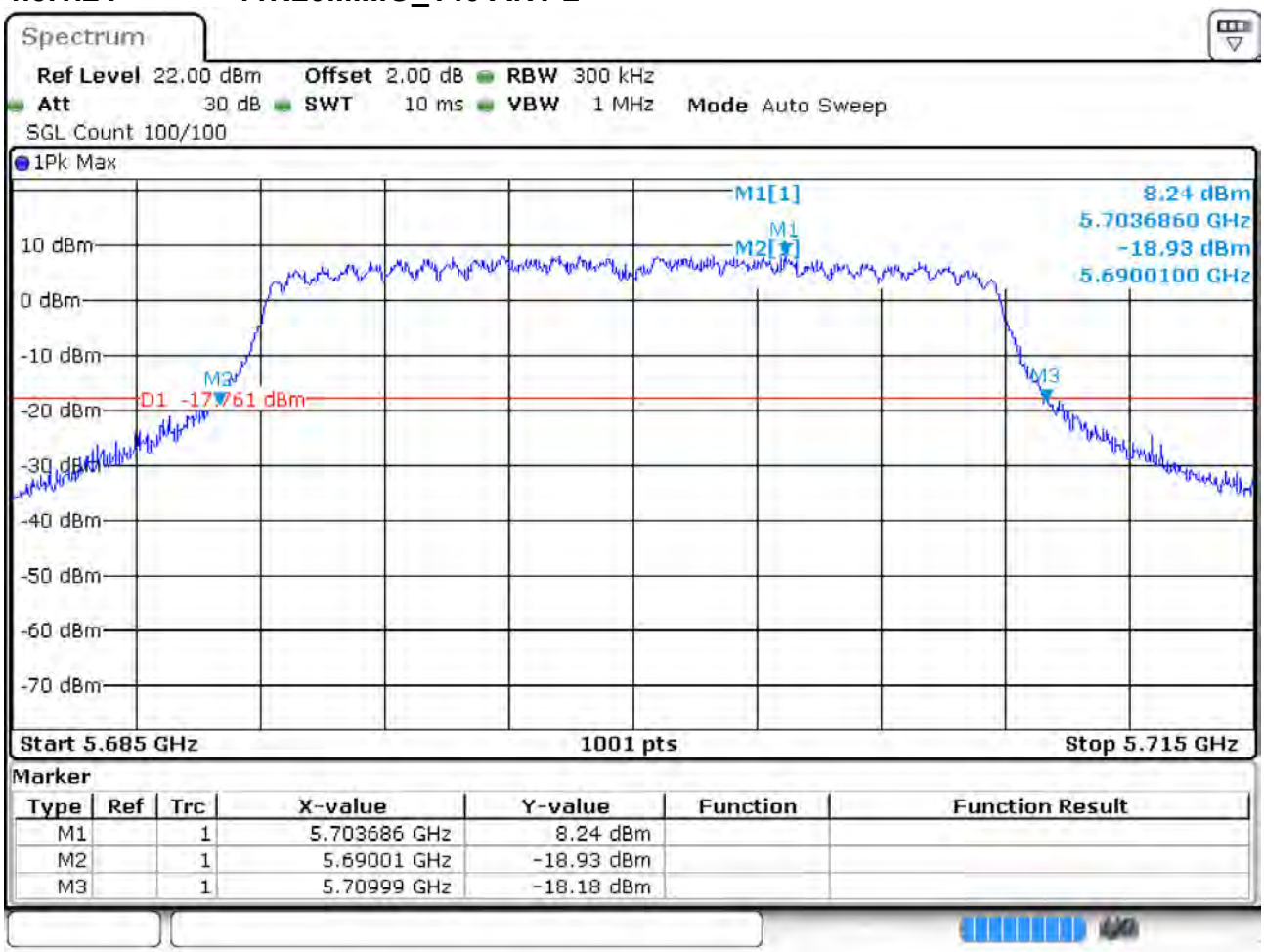
4.5.1.24 11N20MIMO_140 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.703686 GHz	8.24 dBm		
M2		1	5.69001 GHz	-18.93 dBm		
M3		1	5.70999 GHz	-18.18 dBm		

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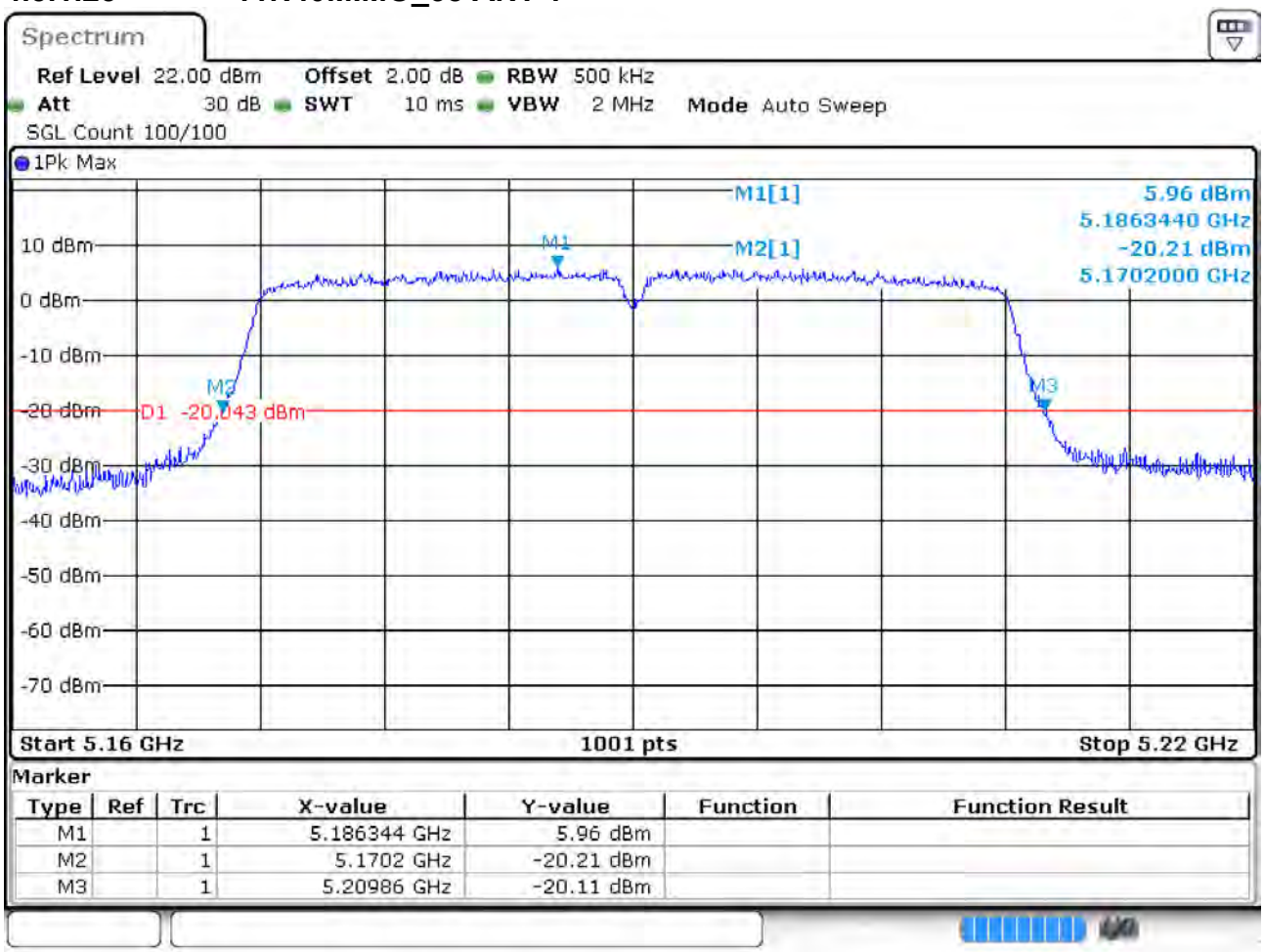
4.5.1.25 11N40MIMO_38 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.186344 GHz	5.96 dBm		
M2		1	5.1702 GHz	-20.21 dBm		
M3		1	5.20986 GHz	-20.11 dBm		

Date: 9.APR.2020 04:44:45

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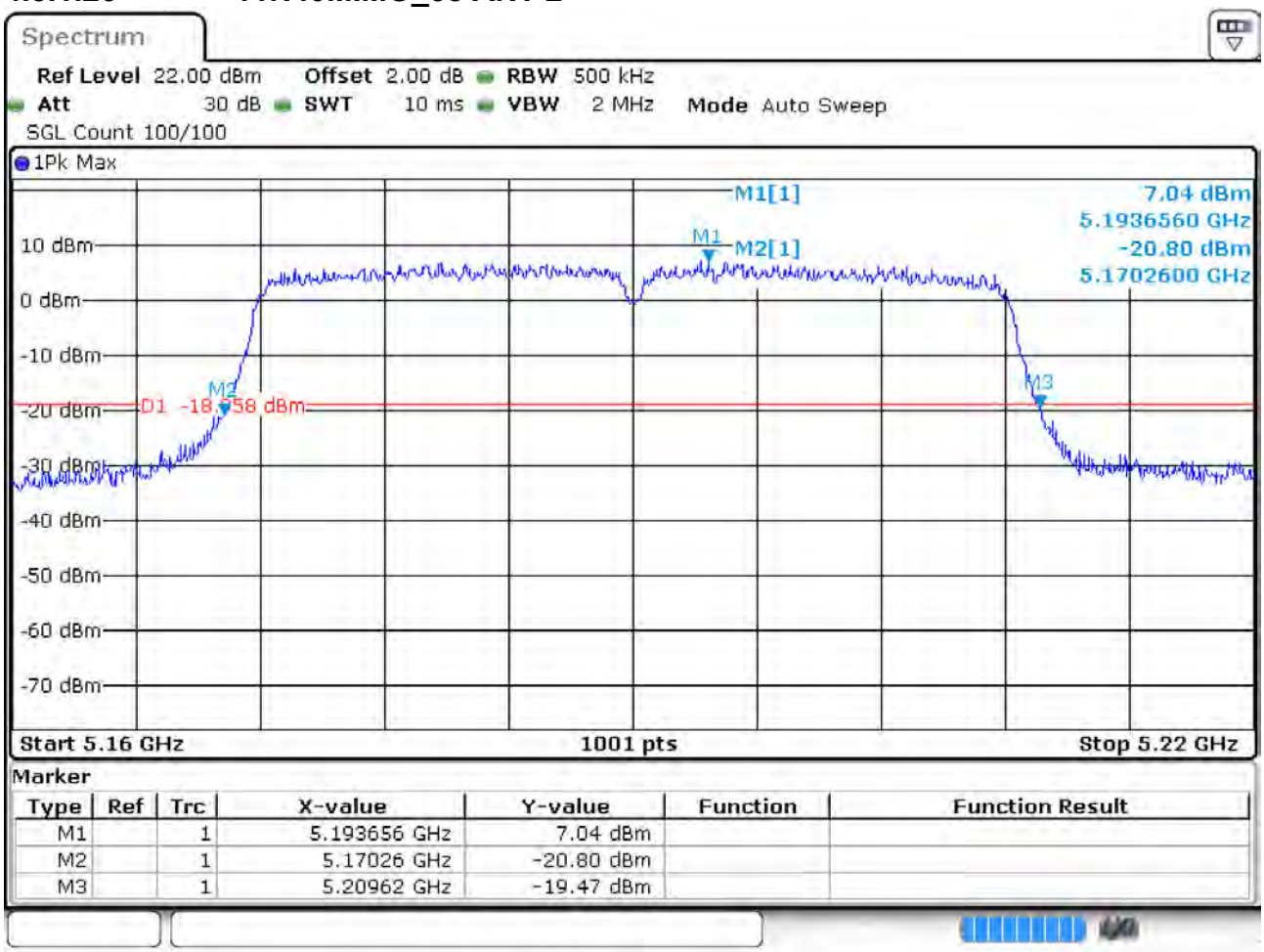
4.5.1.26 11N40MIMO_38 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.193656 GHz	7.04 dBm		
M2		1	5.17026 GHz	-20.80 dBm		
M3		1	5.20962 GHz	-19.47 dBm		

Date: 9.APR.2020 08:00:29

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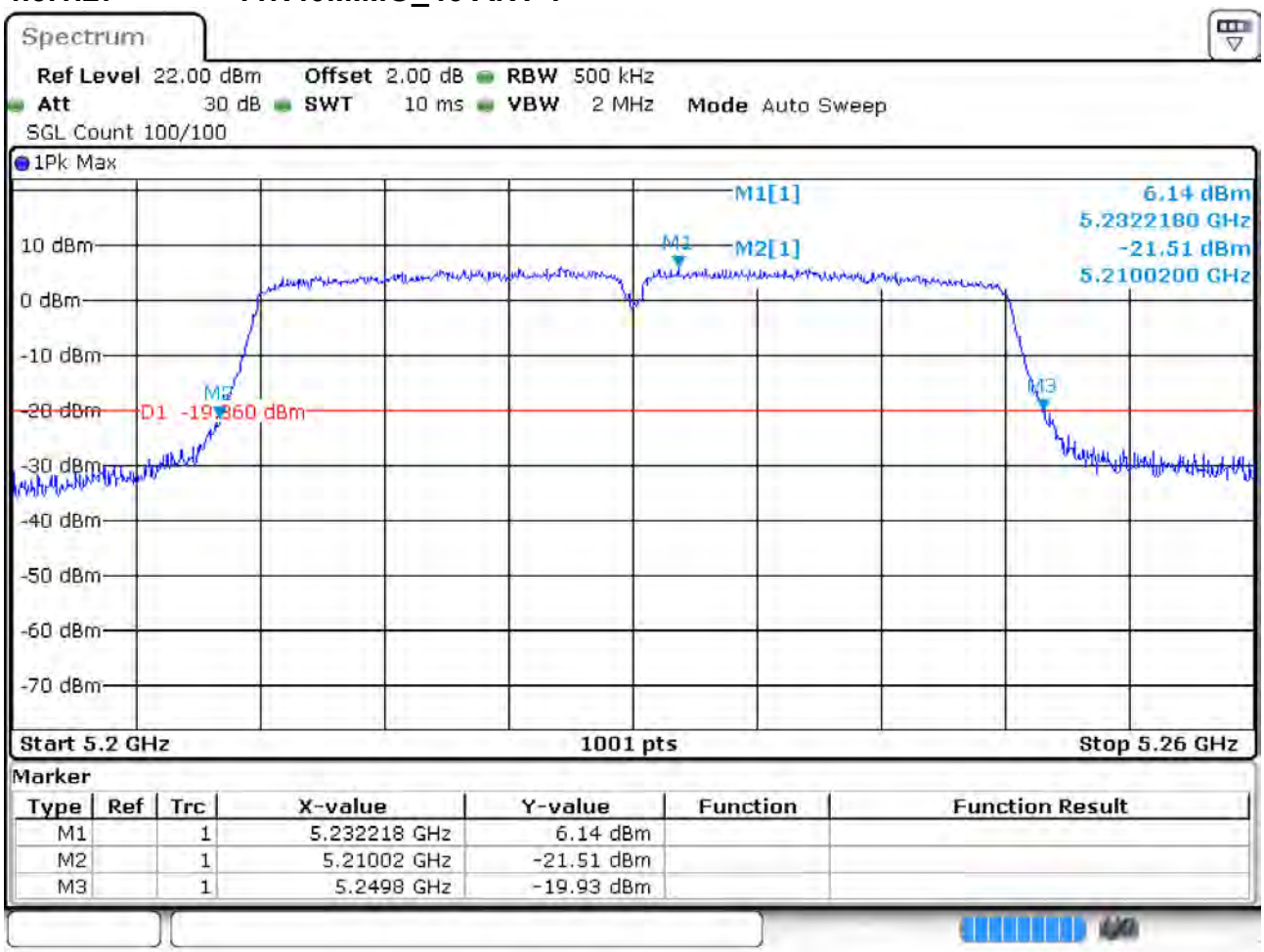
4.5.1.27 11N40MIMO_46 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.232218 GHz	6.14 dBm		
M2		1	5.21002 GHz	-21.51 dBm		
M3		1	5.2498 GHz	-19.93 dBm		

Date: 9.APR.2020 04:46:52

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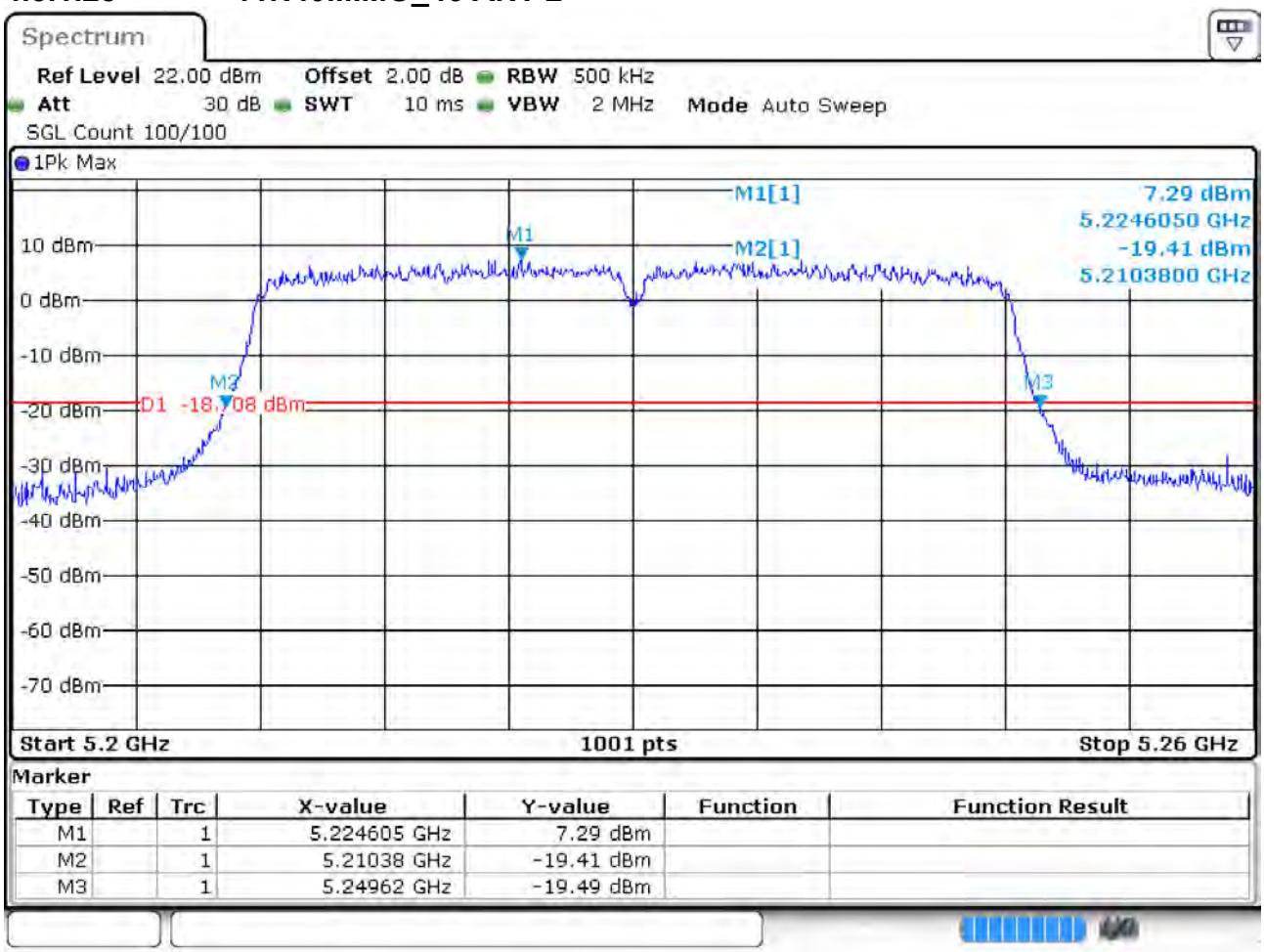
4.5.1.28 11N40MIMO_46 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.224605 GHz	7.29 dBm		
M2		1	5.21038 GHz	-19.41 dBm		
M3		1	5.24962 GHz	-19.49 dBm		

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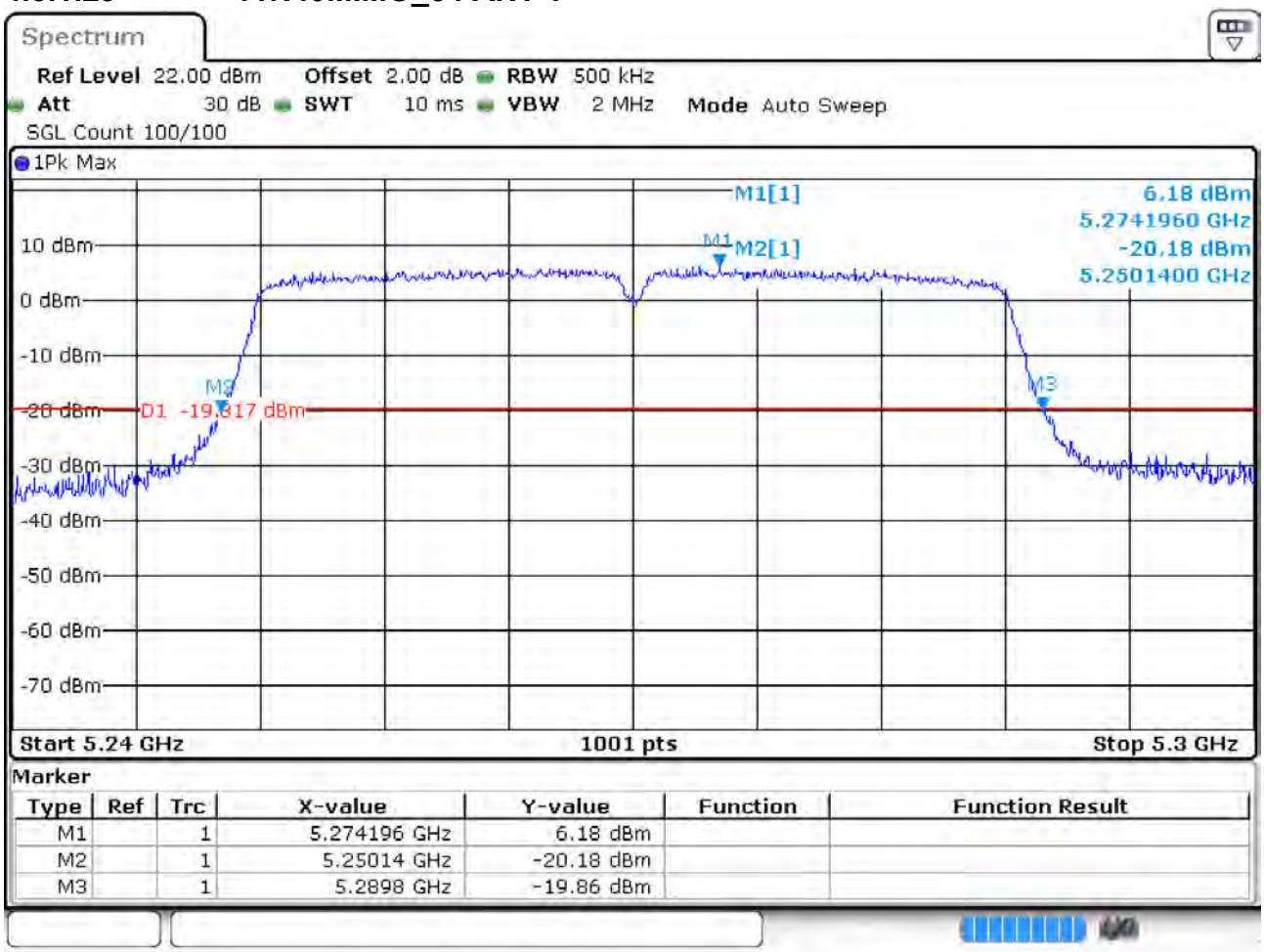
4.5.1.29 11N40MIMO_54 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.274196 GHz	6.18 dBm		
M2		1	5.25014 GHz	-20.18 dBm		
M3		1	5.2898 GHz	-19.86 dBm		

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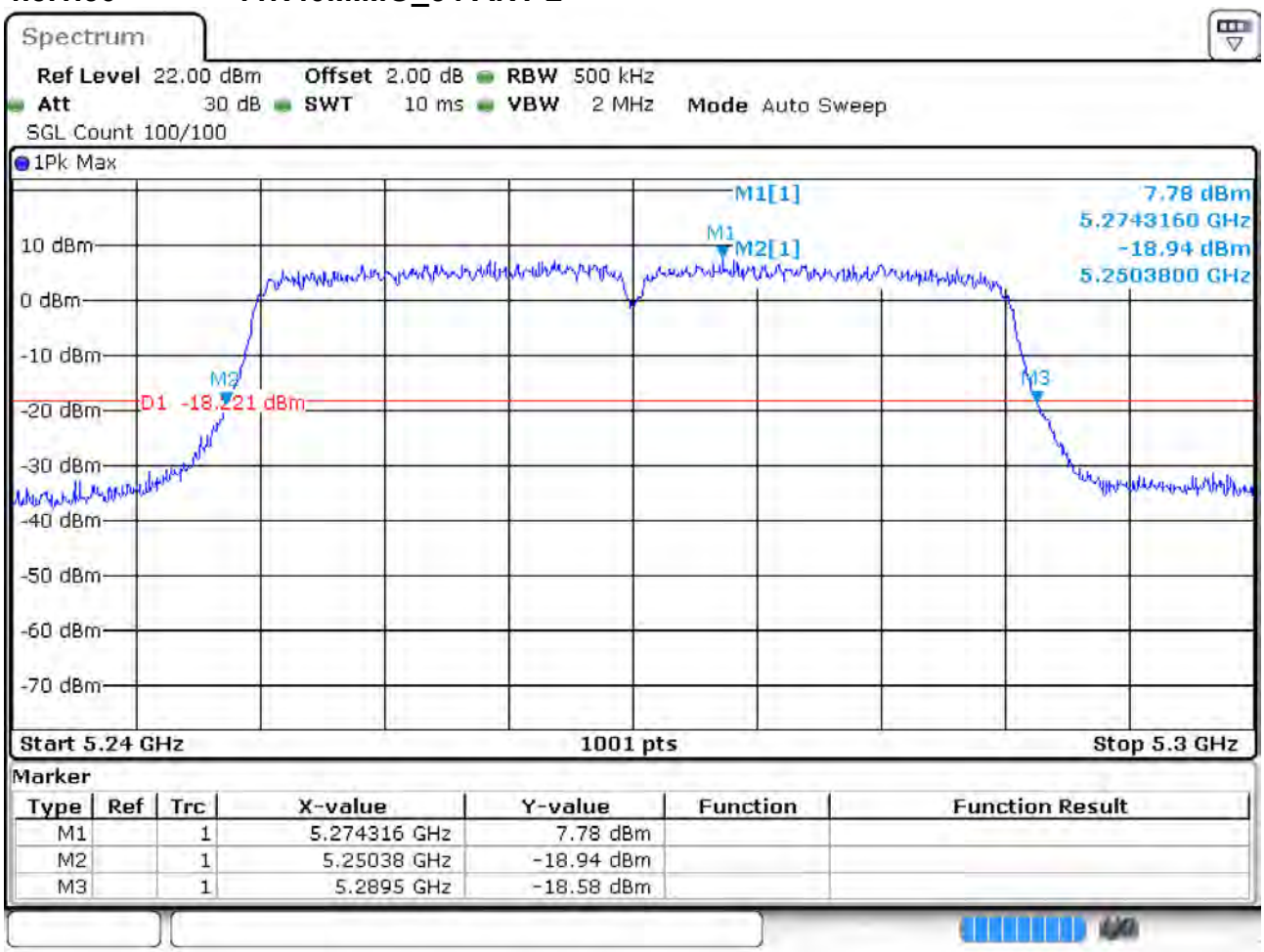
4.5.1.30 11N40MIMO_54 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.274316 GHz	7.78 dBm		
M2		1	5.25038 GHz	-18.94 dBm		
M3		1	5.2895 GHz	-18.58 dBm		

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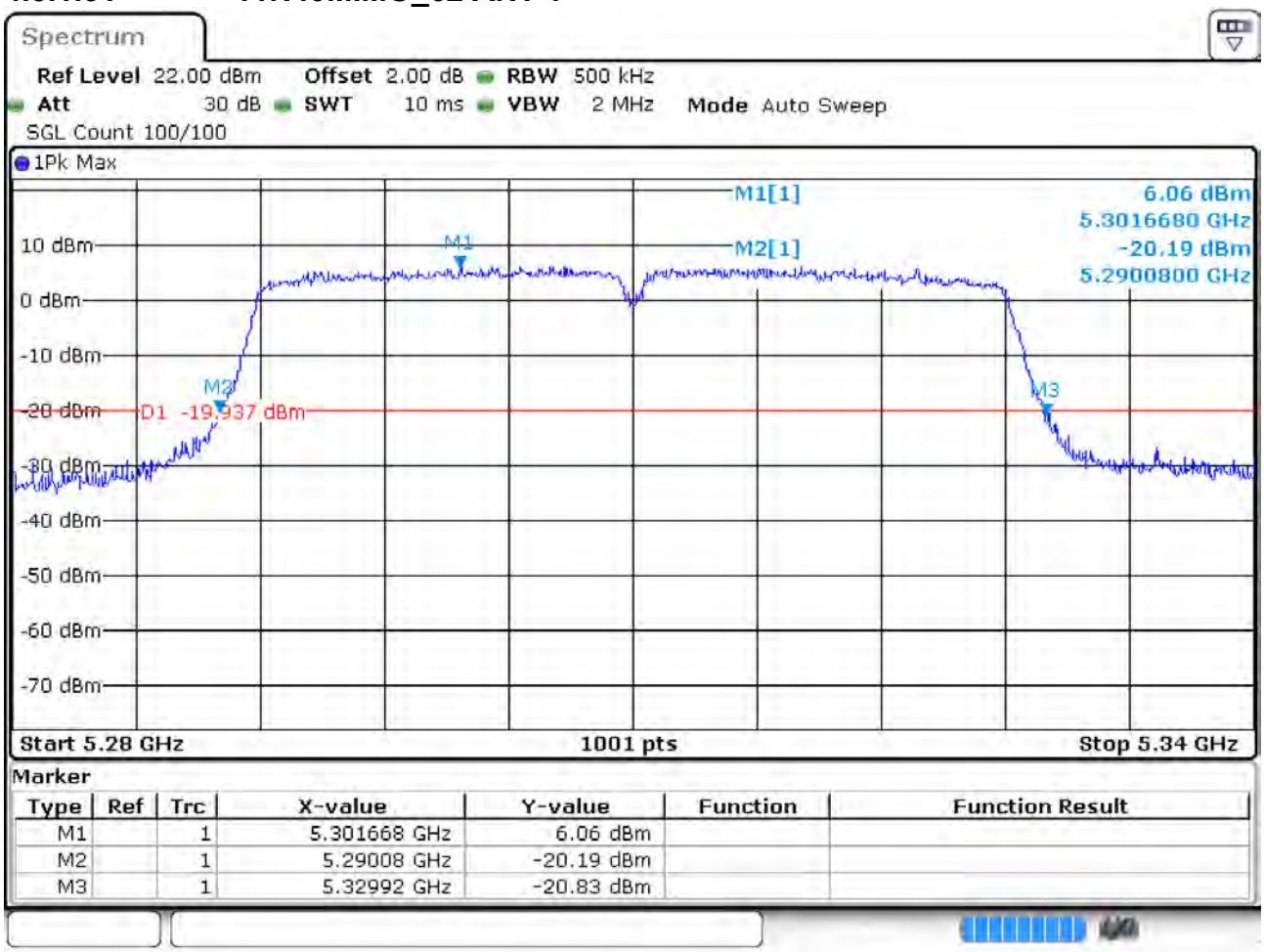
4.5.1.31 11N40MIMO_62 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.301668 GHz	6.06 dBm		
M2		1	5.29008 GHz	-20.19 dBm		
M3		1	5.32992 GHz	-20.83 dBm		

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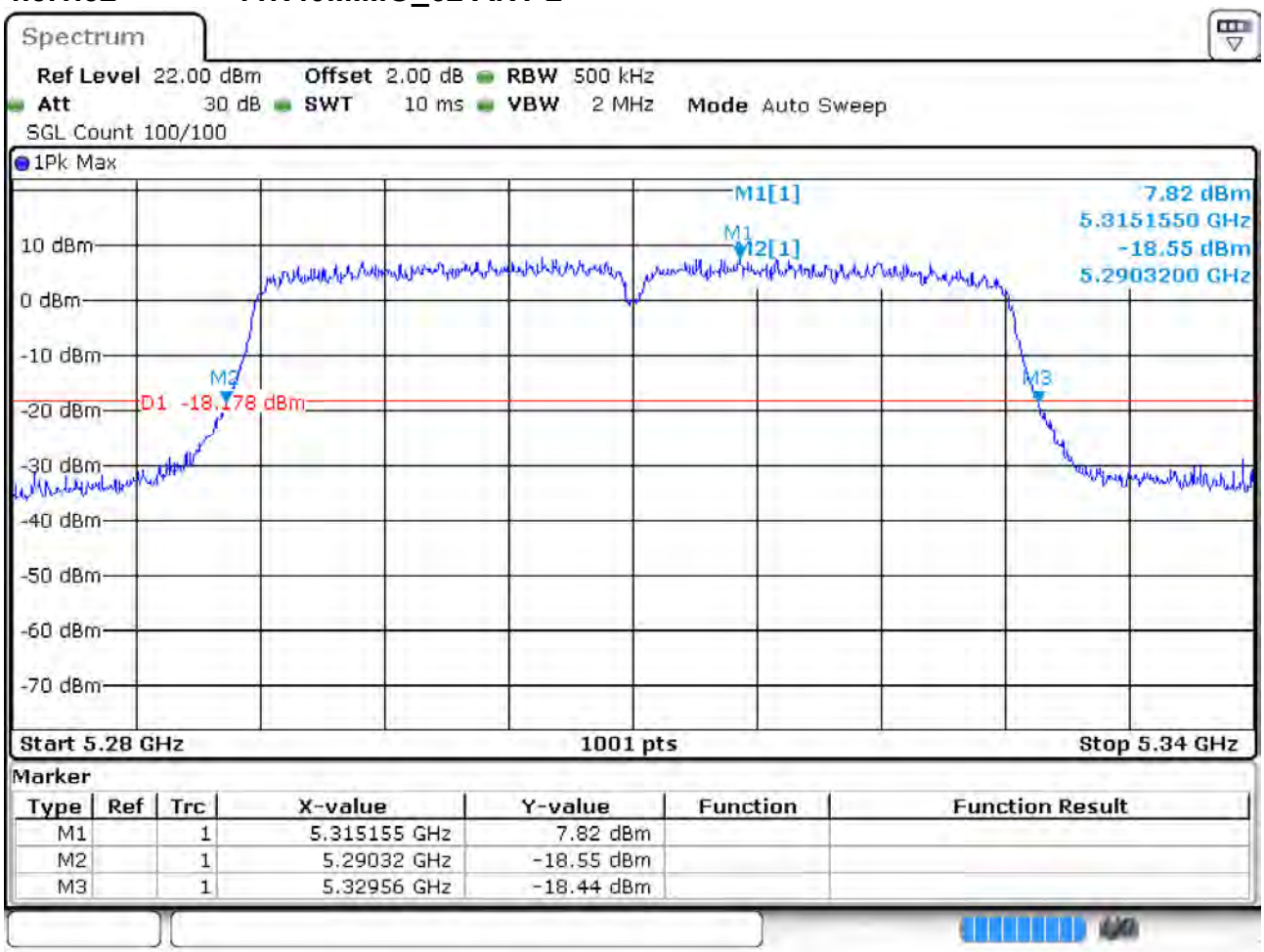
4.5.1.32 11N40MIMO_62 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.315155 GHz	7.82 dBm		
M2		1	5.29032 GHz	-18.55 dBm		
M3		1	5.32956 GHz	-18.44 dBm		

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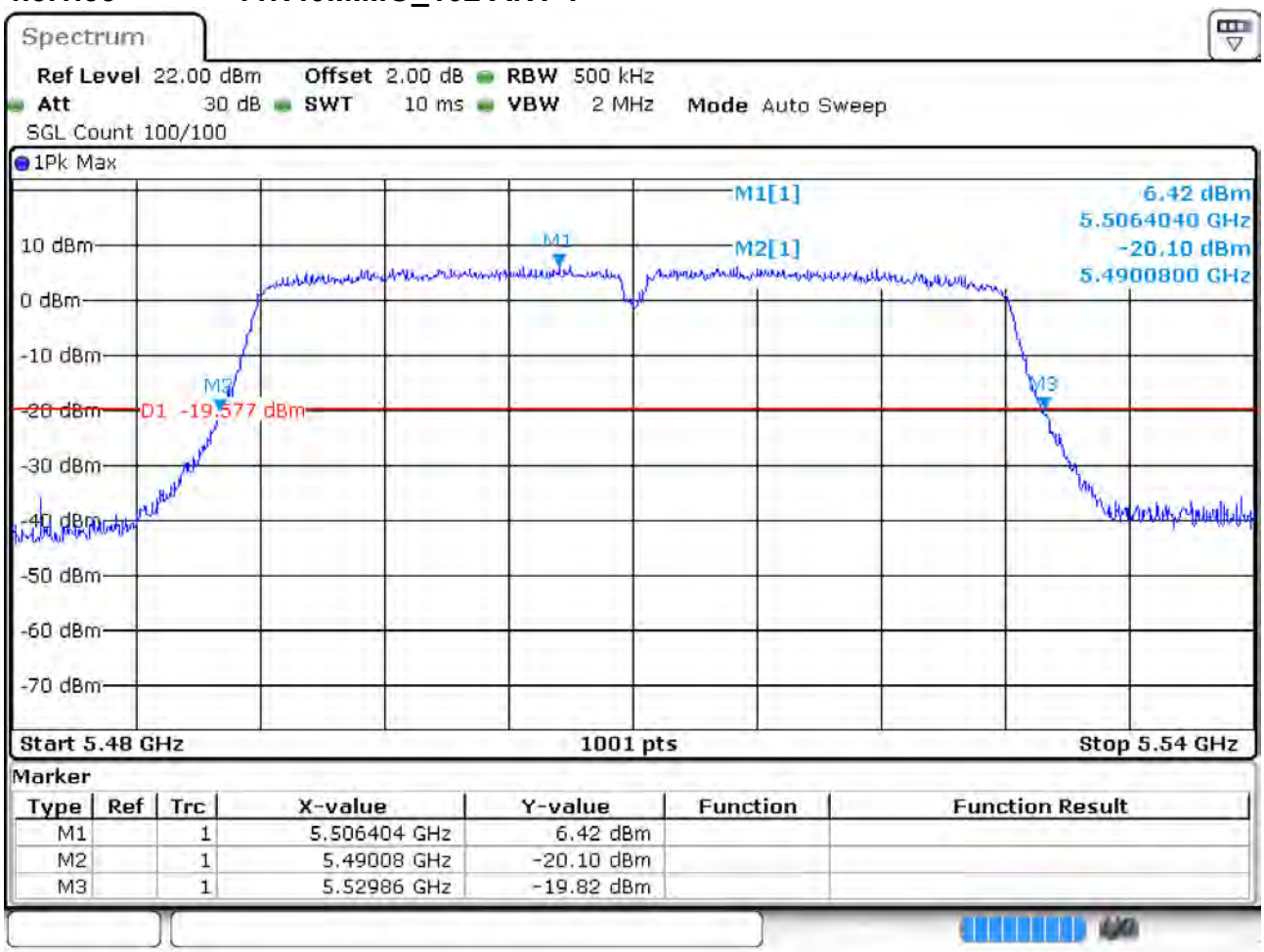
4.5.1.33 11N40MIMO_102 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.506404 GHz	6.42 dBm		
M2		1	5.49008 GHz	-20.10 dBm		
M3		1	5.52986 GHz	-19.82 dBm		

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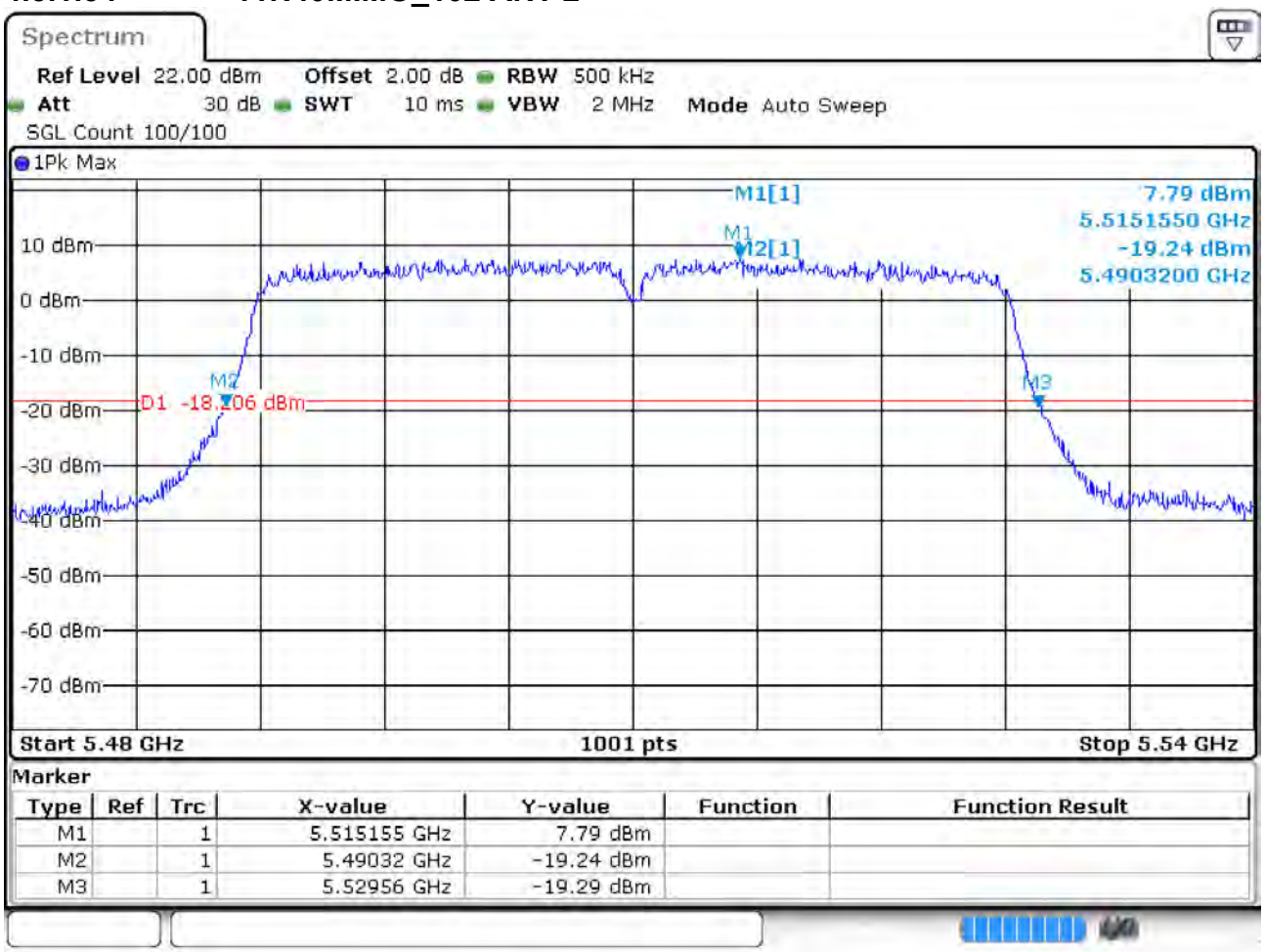
4.5.1.34 11N40MIMO_102 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.515155 GHz	7.79 dBm		
M2		1	5.49032 GHz	-19.24 dBm		
M3		1	5.52956 GHz	-19.29 dBm		

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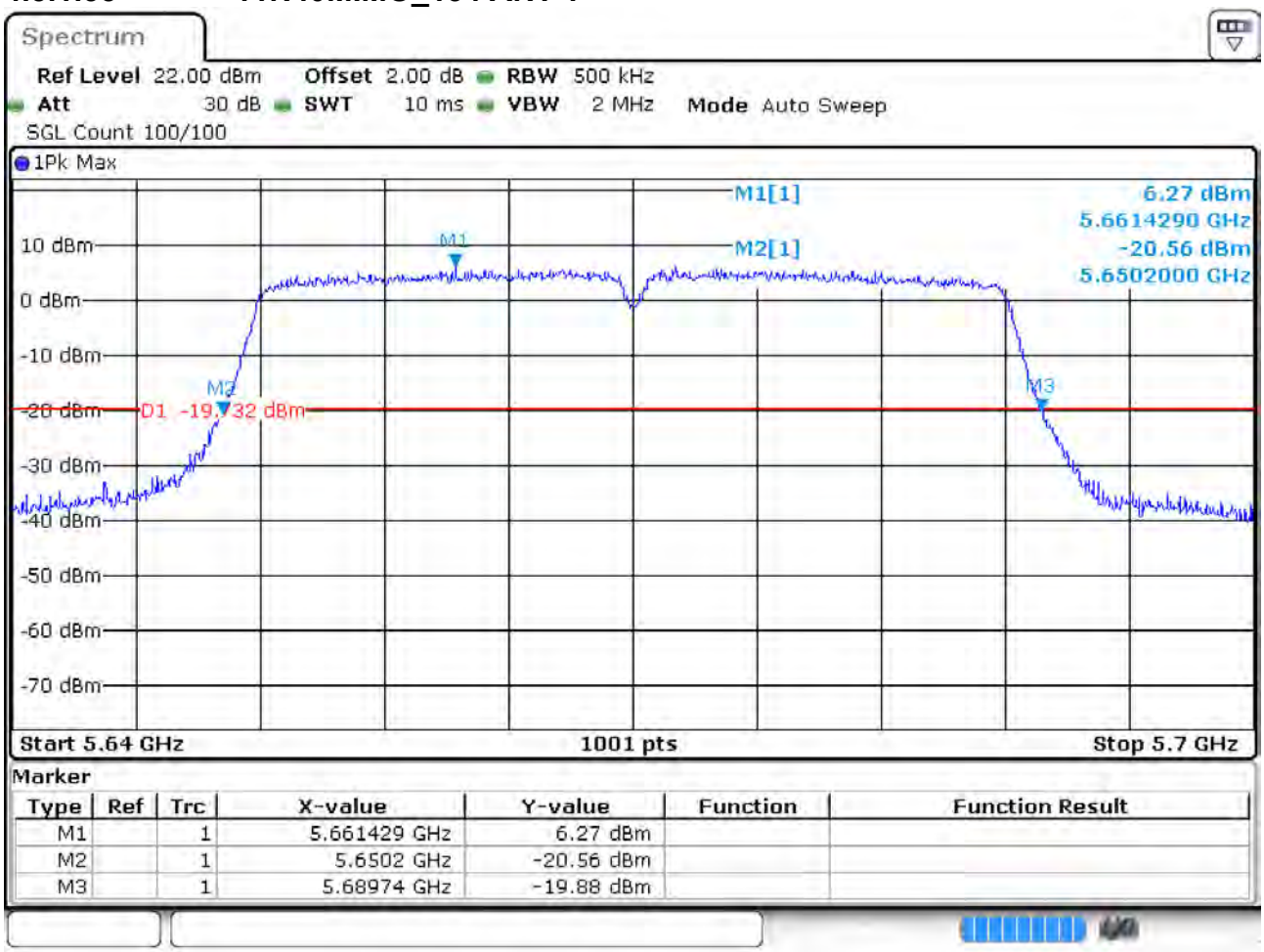
4.5.1.35 11N40MIMO_134 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.661429 GHz	6.27 dBm		
M2		1	5.6502 GHz	-20.56 dBm		
M3		1	5.68974 GHz	-19.88 dBm		

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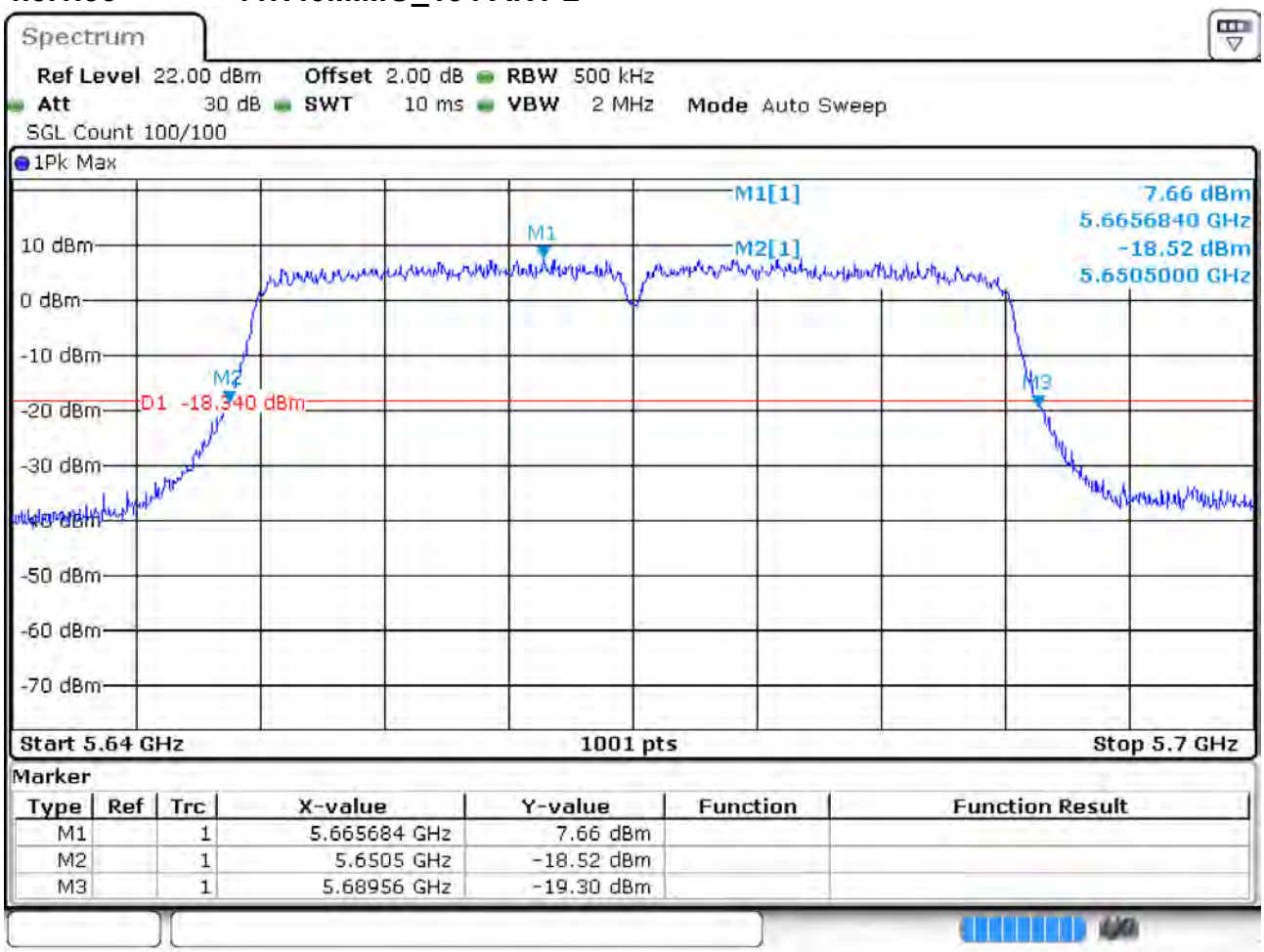
4.5.1.36 11N40MIMO_134 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.665684 GHz	7.66 dBm		
M2		1	5.6505 GHz	-18.52 dBm		
M3		1	5.68956 GHz	-19.30 dBm		

Date: 9.APR.2020 08:20:24

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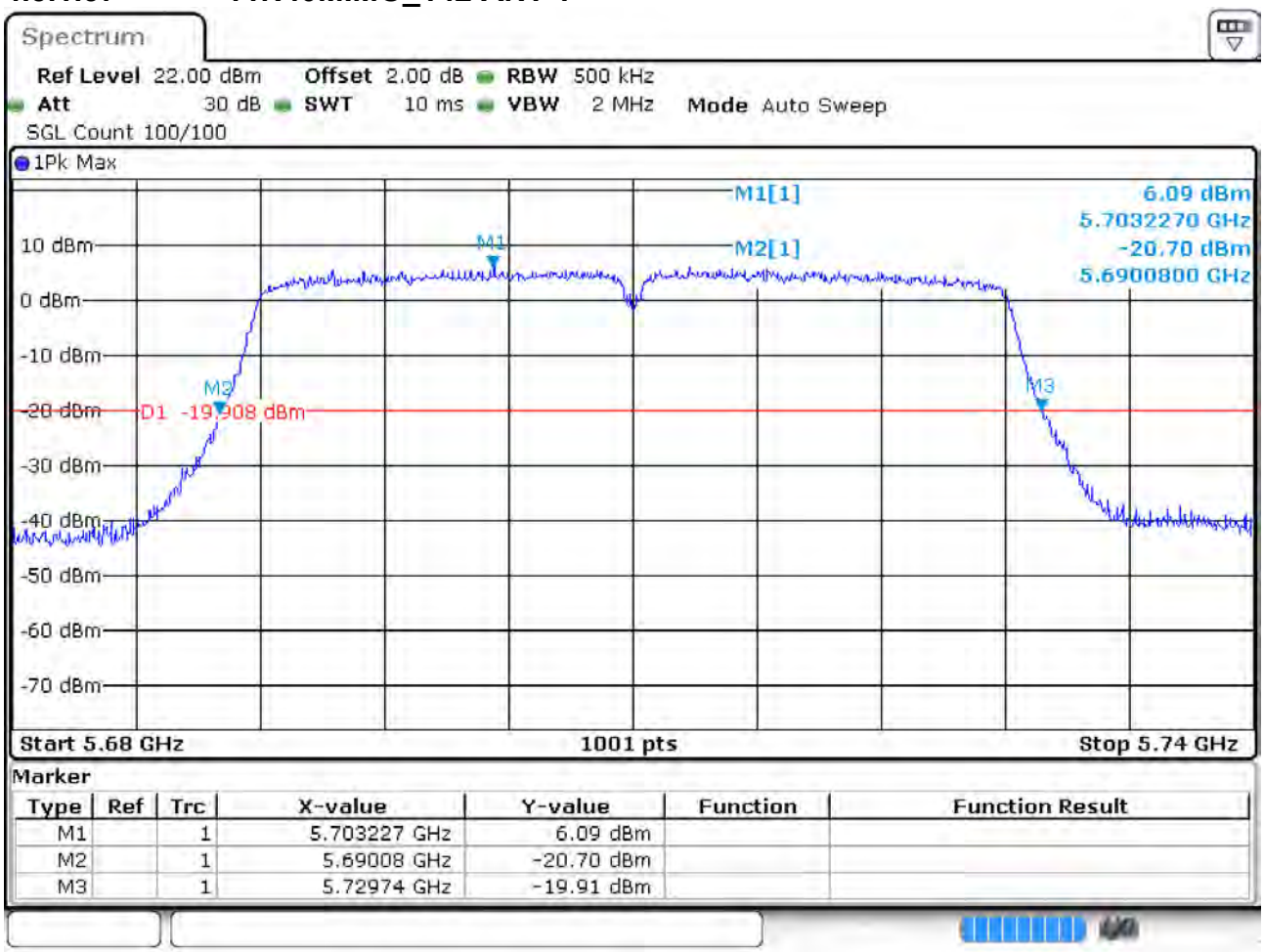
4.5.1.37 11N40MIMO_142 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.703227 GHz	6.09 dBm		
M2		1	5.69008 GHz	-20.70 dBm		
M3		1	5.72974 GHz	-19.91 dBm		

Date: 9.APR.2020 04:54:47

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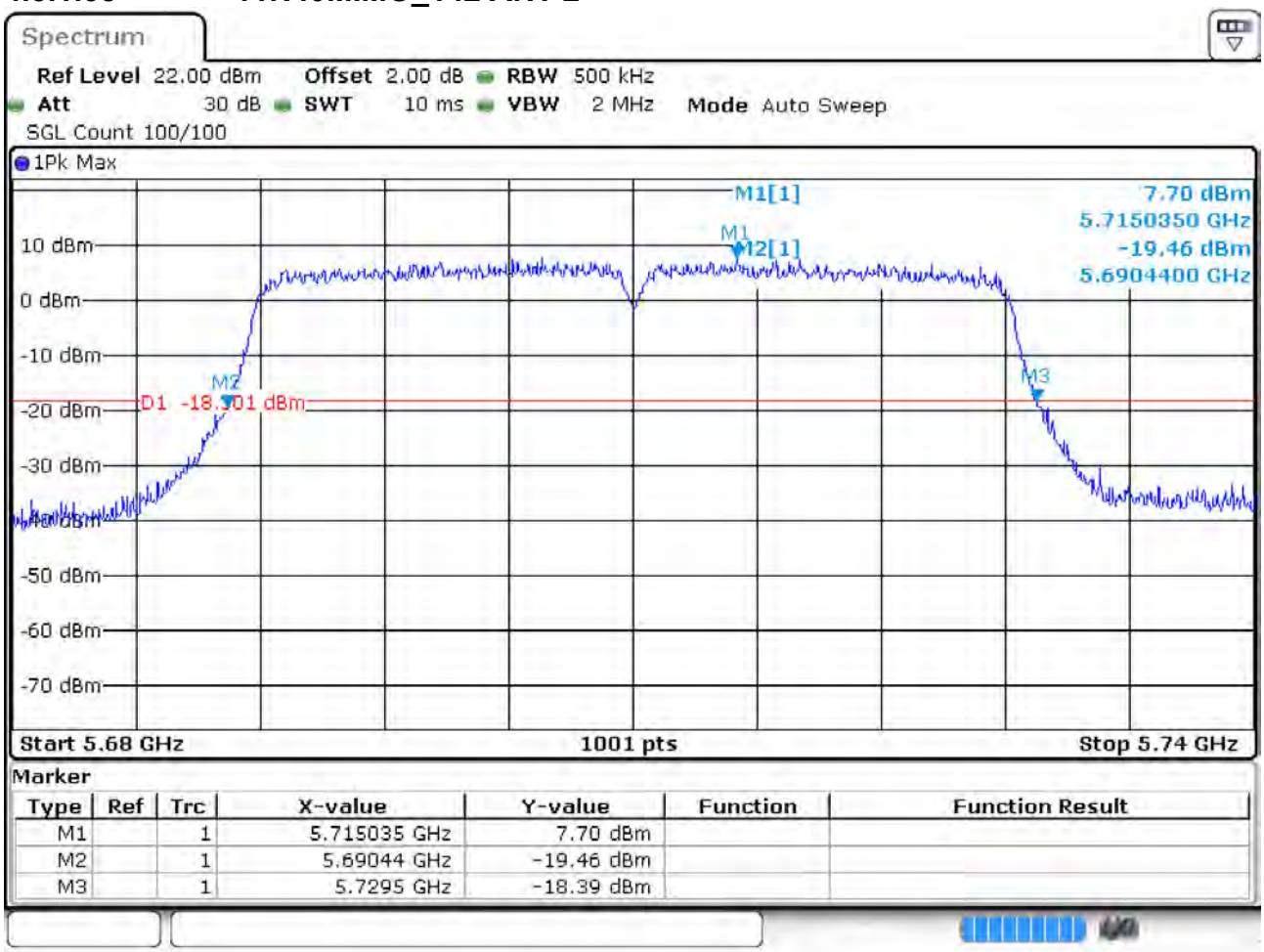
4.5.1.38 11N40MIMO_142 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.715035 GHz	7.70 dBm		
M2		1	5.69044 GHz	-19.46 dBm		
M3		1	5.7295 GHz	-18.39 dBm		

Date: 9.APR.2020 08:21:15

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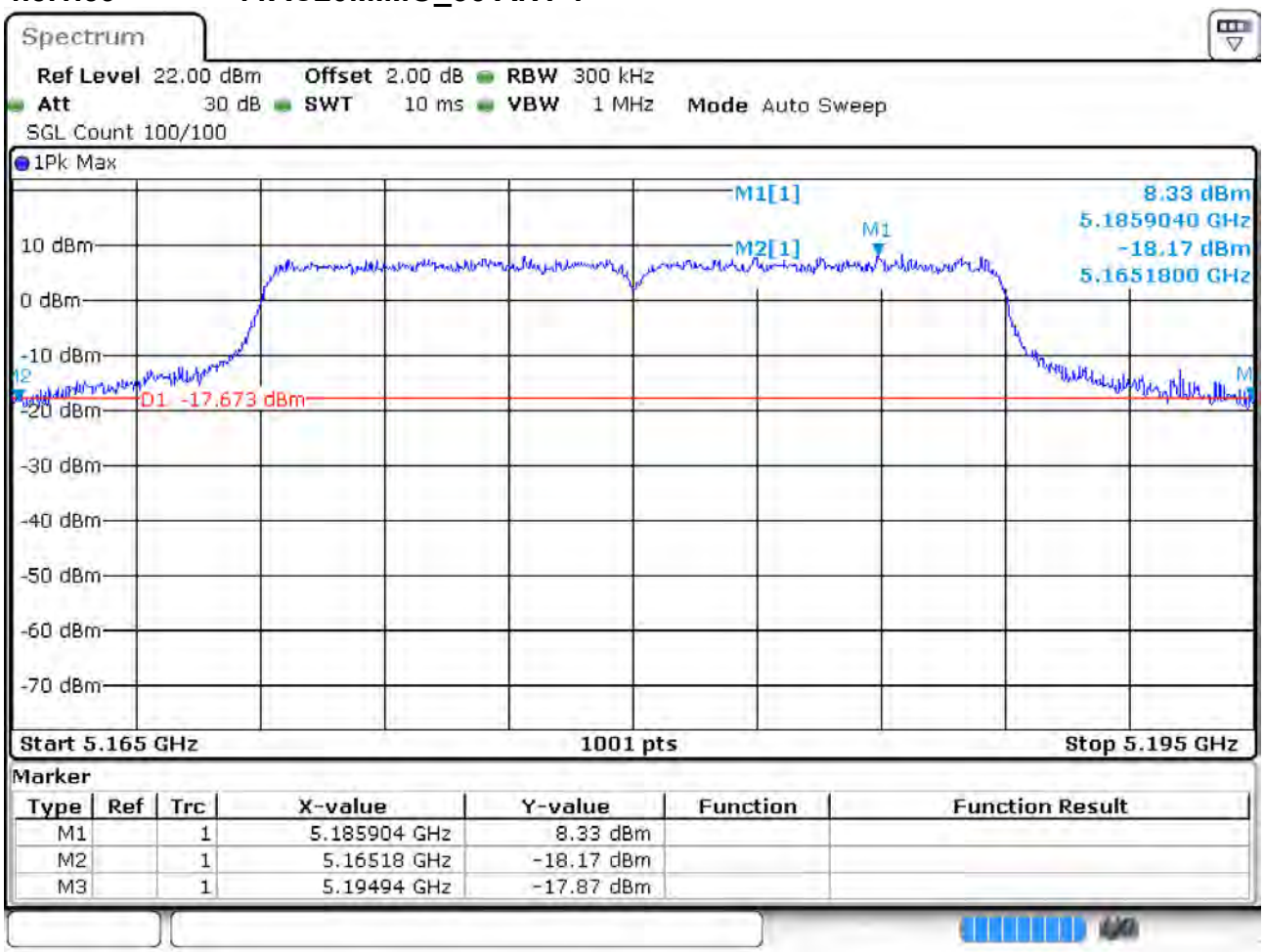
4.5.1.39 11AC20MIMO_36 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.185904 GHz	8.33 dBm		
M2		1	5.16518 GHz	-18.17 dBm		
M3		1	5.19494 GHz	-17.87 dBm		

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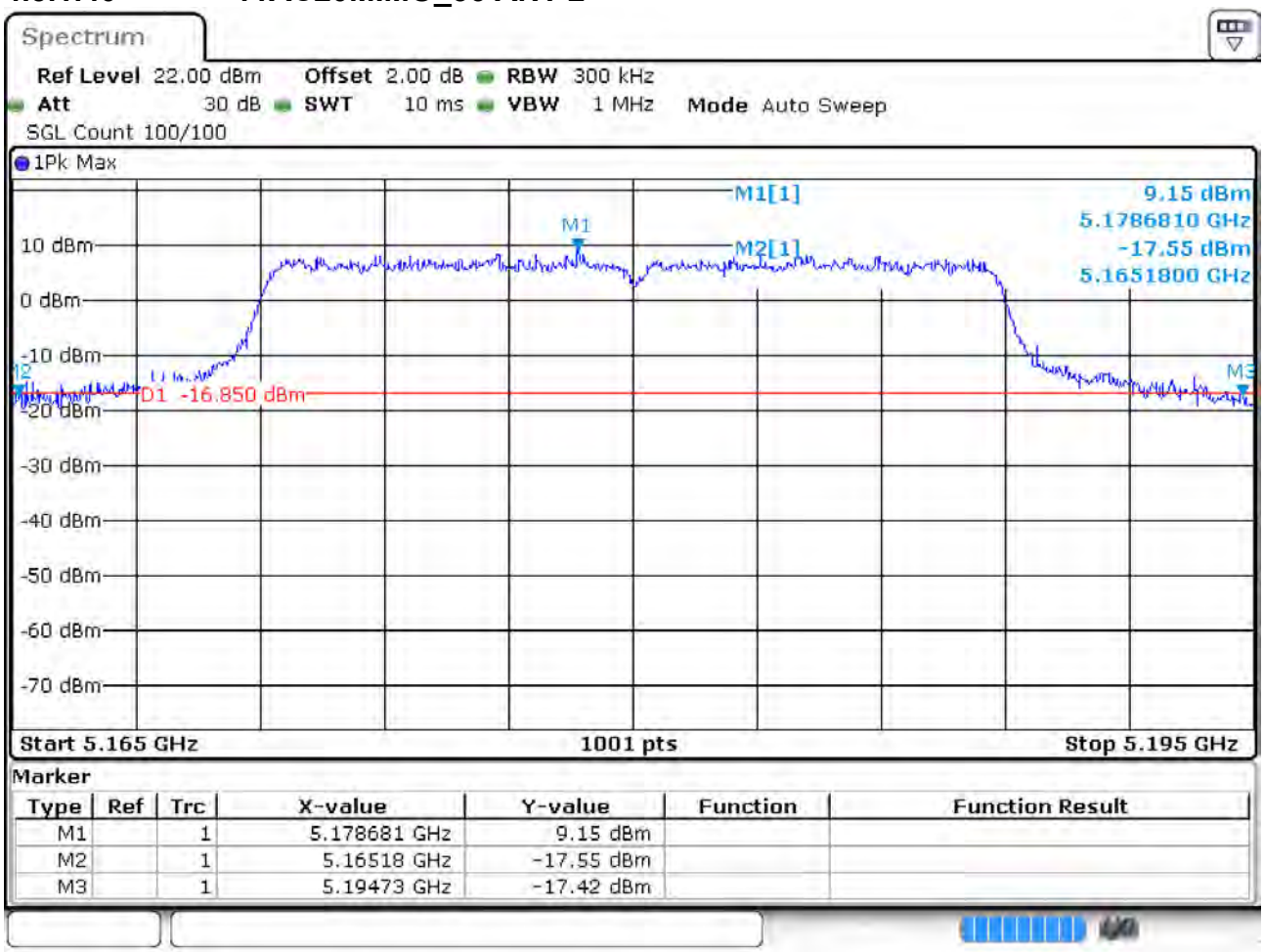
4.5.1.40 11AC20MIMO_36 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.178681 GHz	9.15 dBm		
M2		1	5.16518 GHz	-17.55 dBm		
M3		1	5.19473 GHz	-17.42 dBm		

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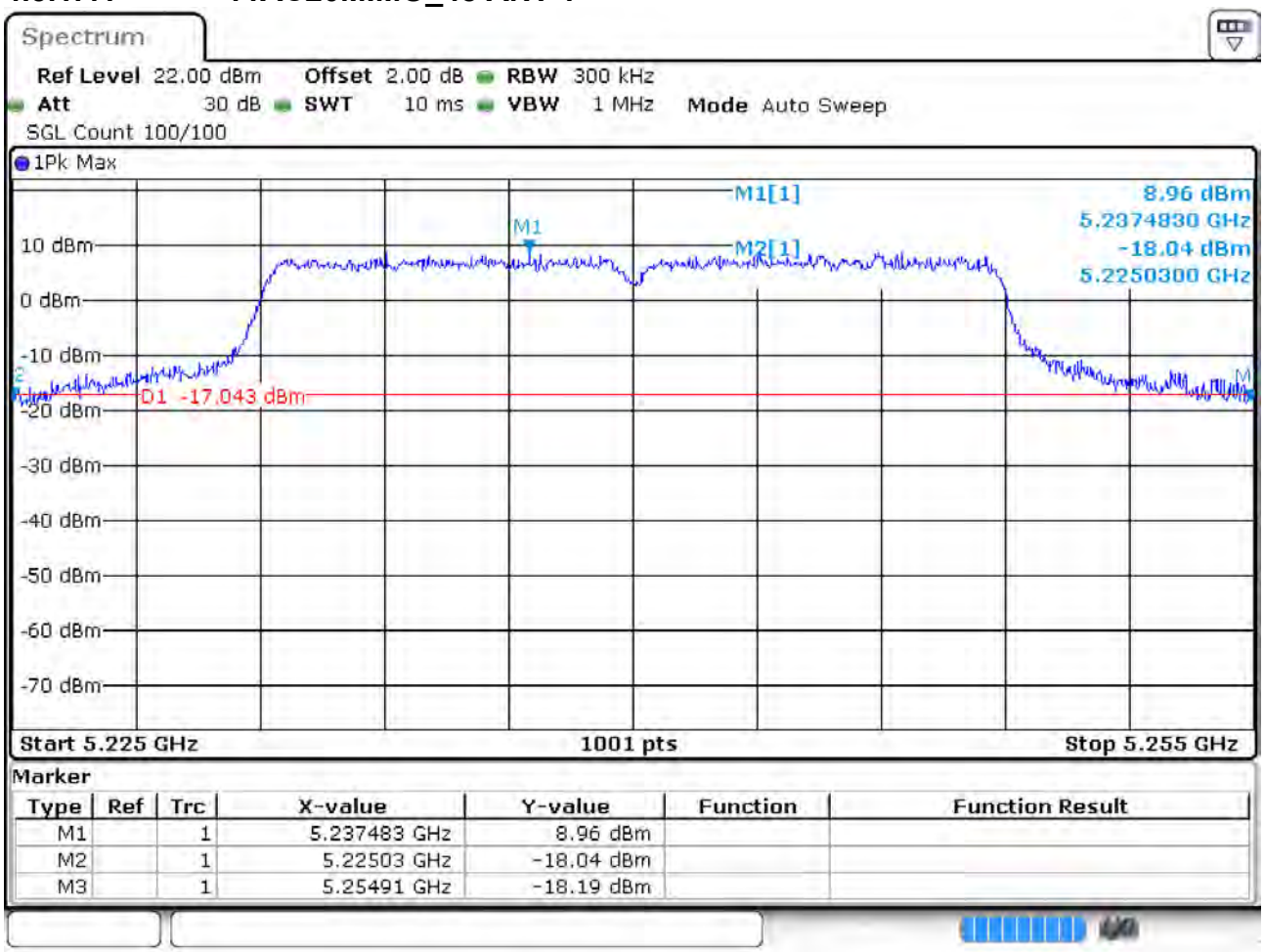
4.5.1.41 11AC20MIMO_48 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.237483 GHz	8.96 dBm		
M2		1	5.22503 GHz	-18.04 dBm		
M3		1	5.25491 GHz	-18.19 dBm		

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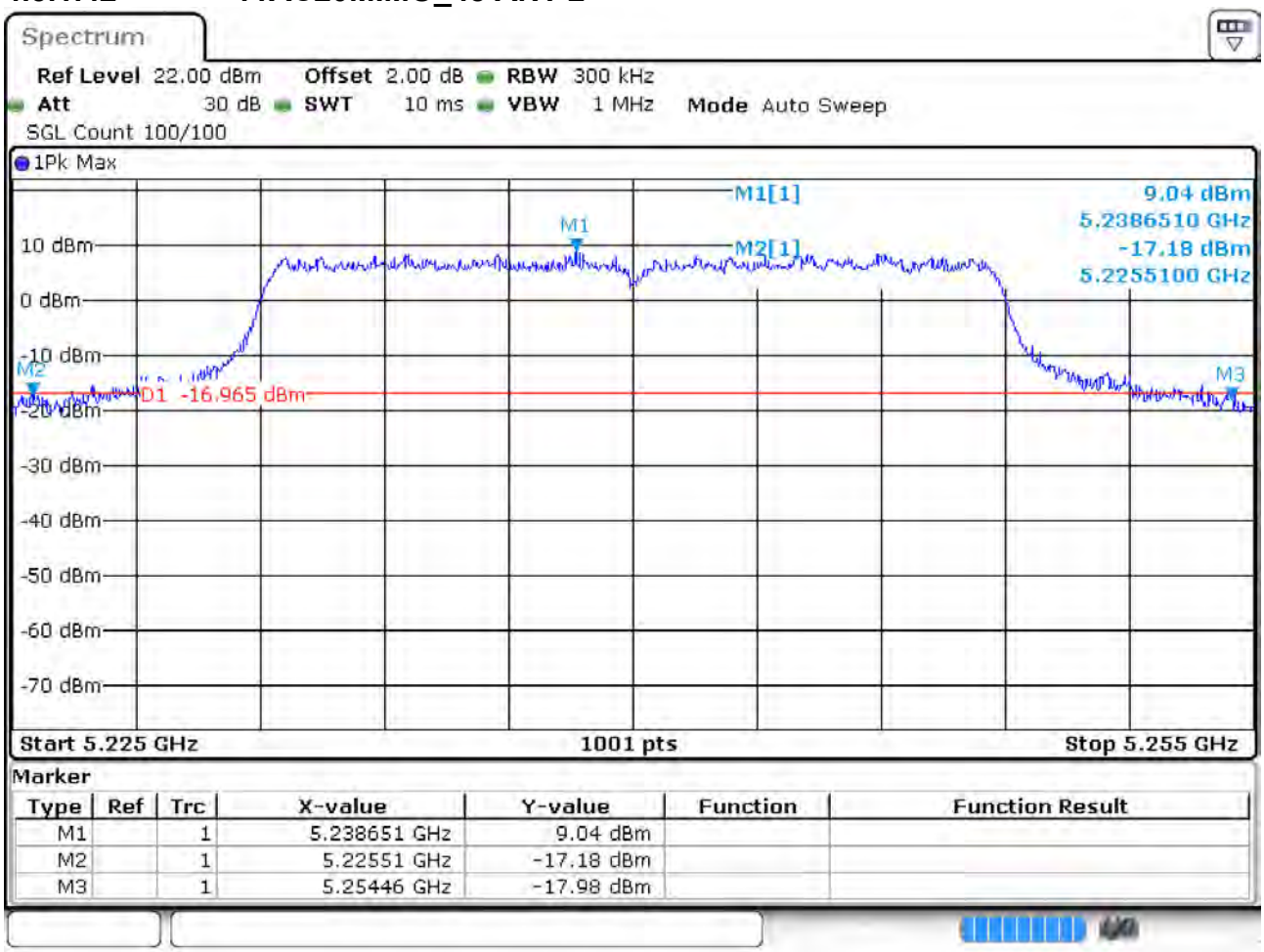
4.5.1.42 11AC20MIMO_48 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.238651 GHz	9.04 dBm		
M2		1	5.22551 GHz	-17.18 dBm		
M3		1	5.25446 GHz	-17.98 dBm		

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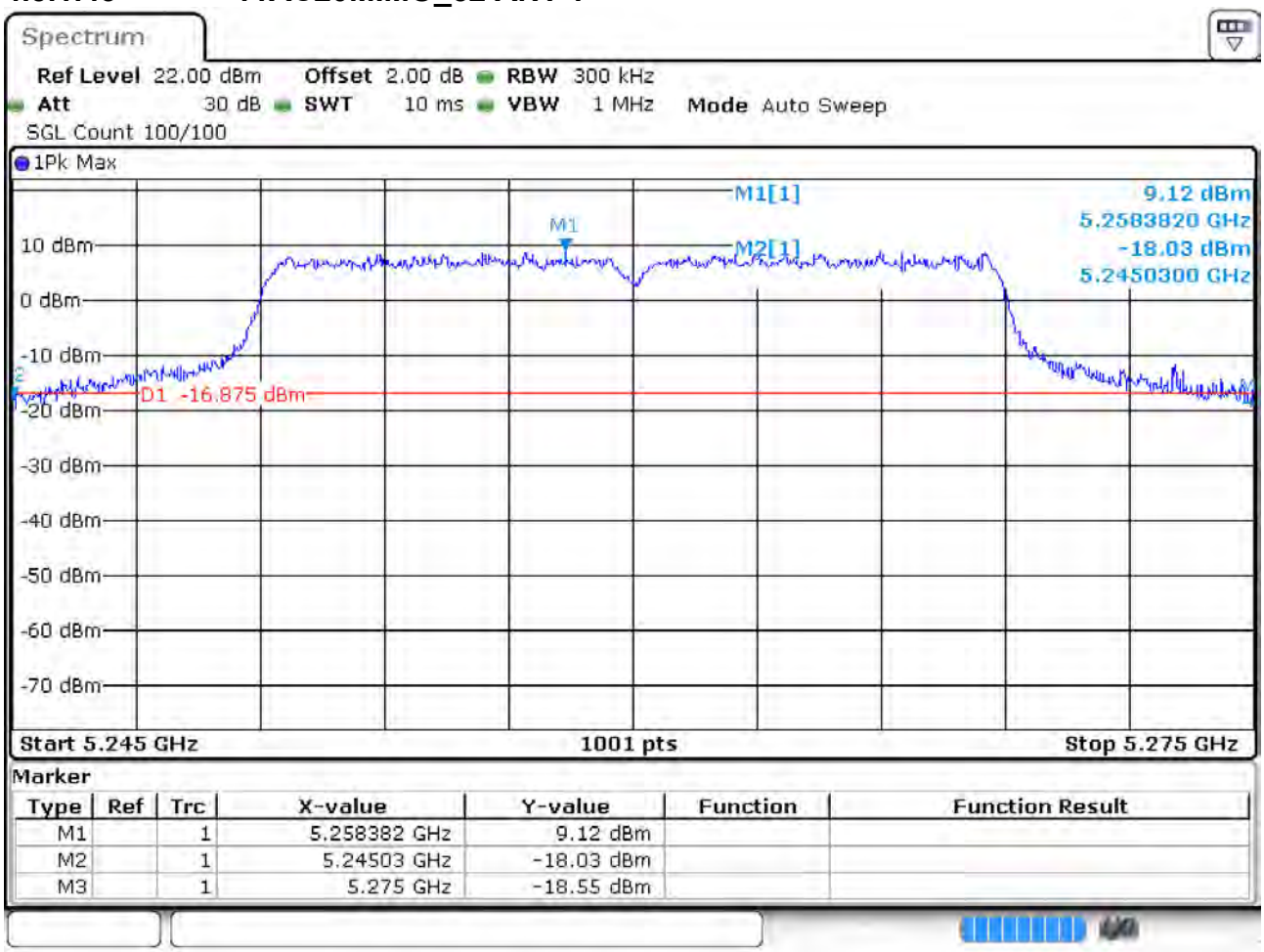
4.5.1.43 11AC20MIMO_52 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.258382 GHz	9.12 dBm		
M2		1	5.24503 GHz	-18.03 dBm		
M3		1	5.275 GHz	-18.55 dBm		

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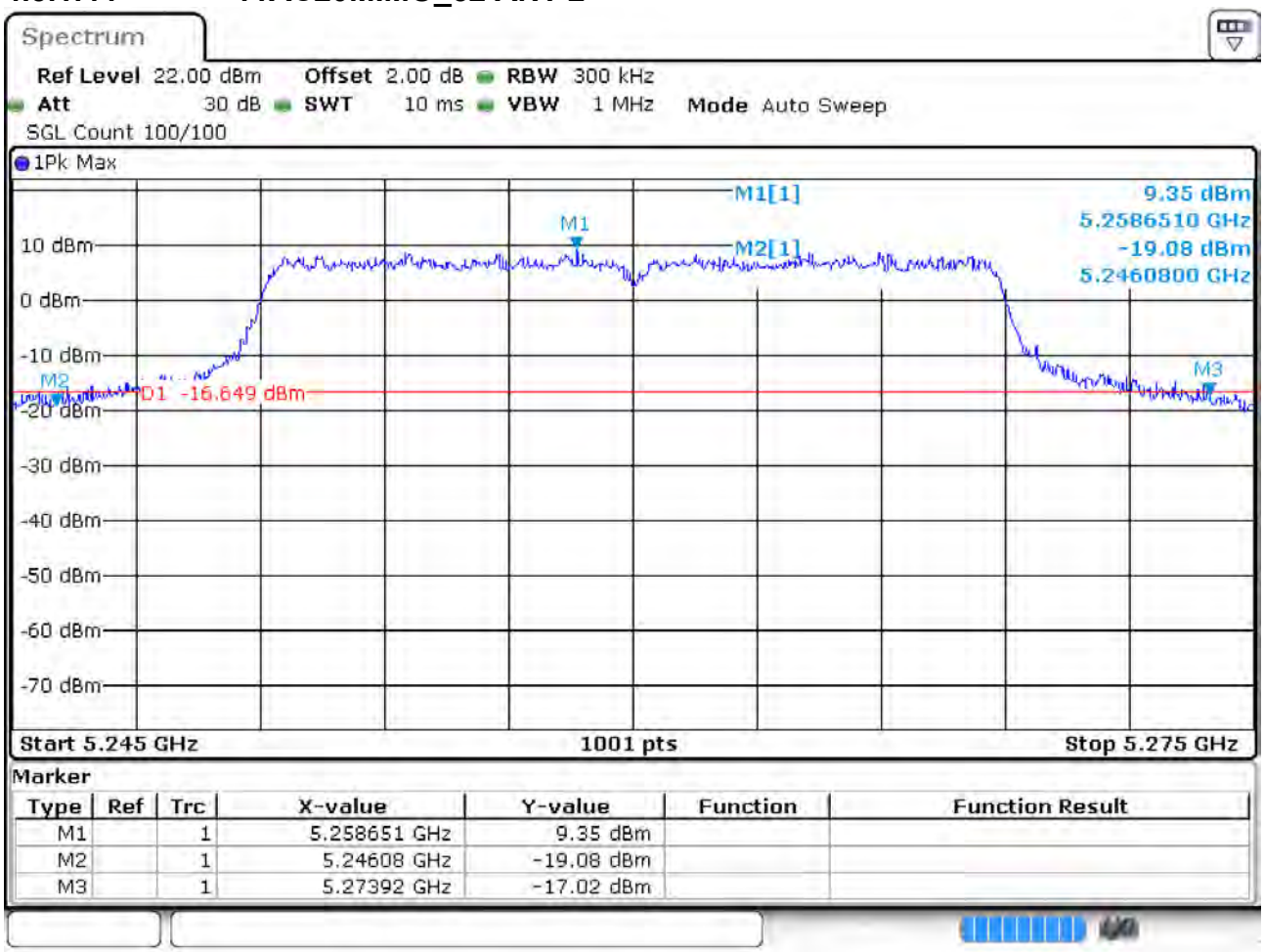
4.5.1.44 11AC20MIMO_52 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.258651 GHz	9.35 dBm		
M2		1	5.24608 GHz	-19.08 dBm		
M3		1	5.27392 GHz	-17.02 dBm		

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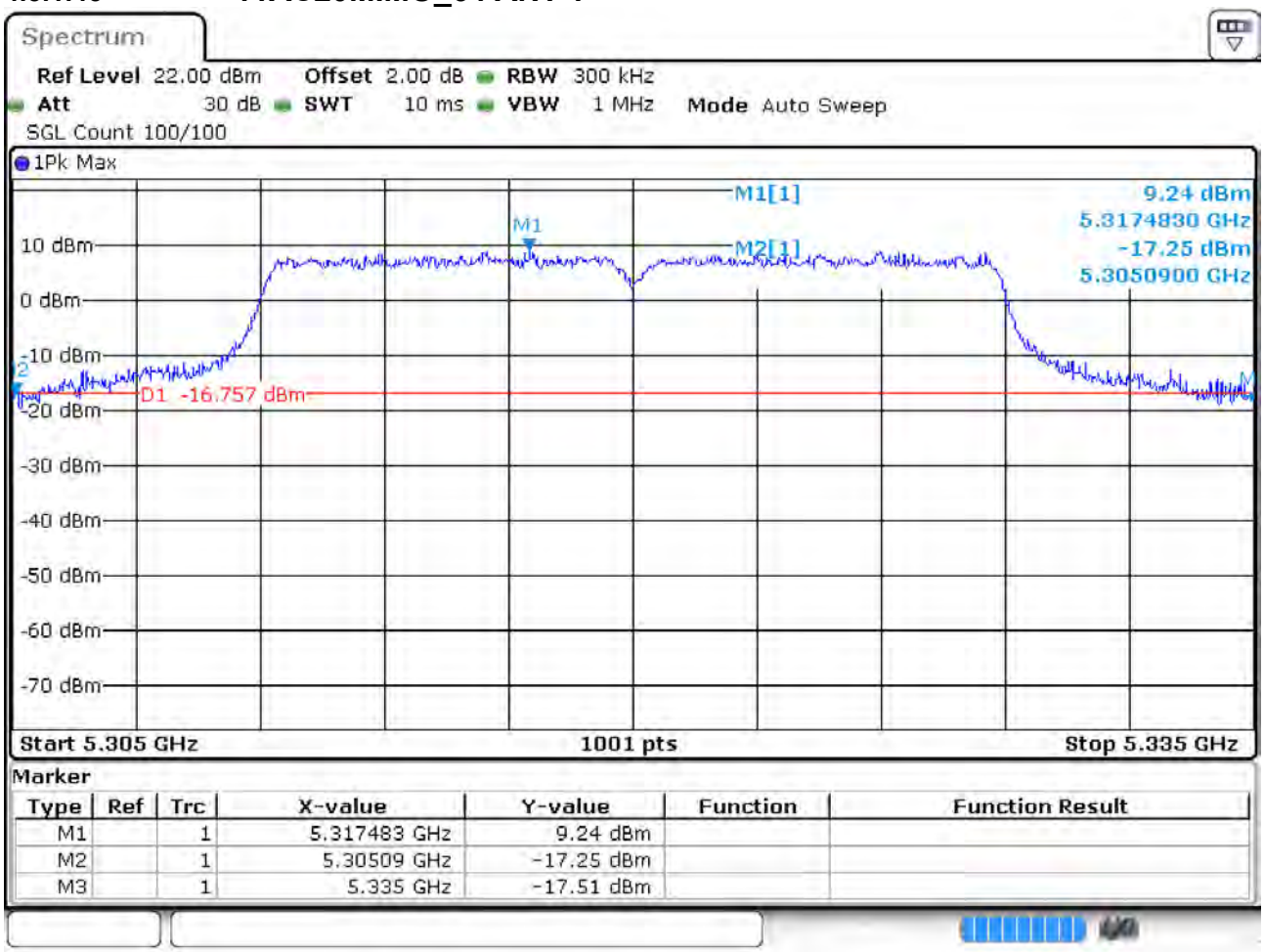
4.5.1.45 11AC20MIMO_64 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.317483 GHz	9.24 dBm		
M2		1	5.30509 GHz	-17.25 dBm		
M3		1	5.335 GHz	-17.51 dBm		

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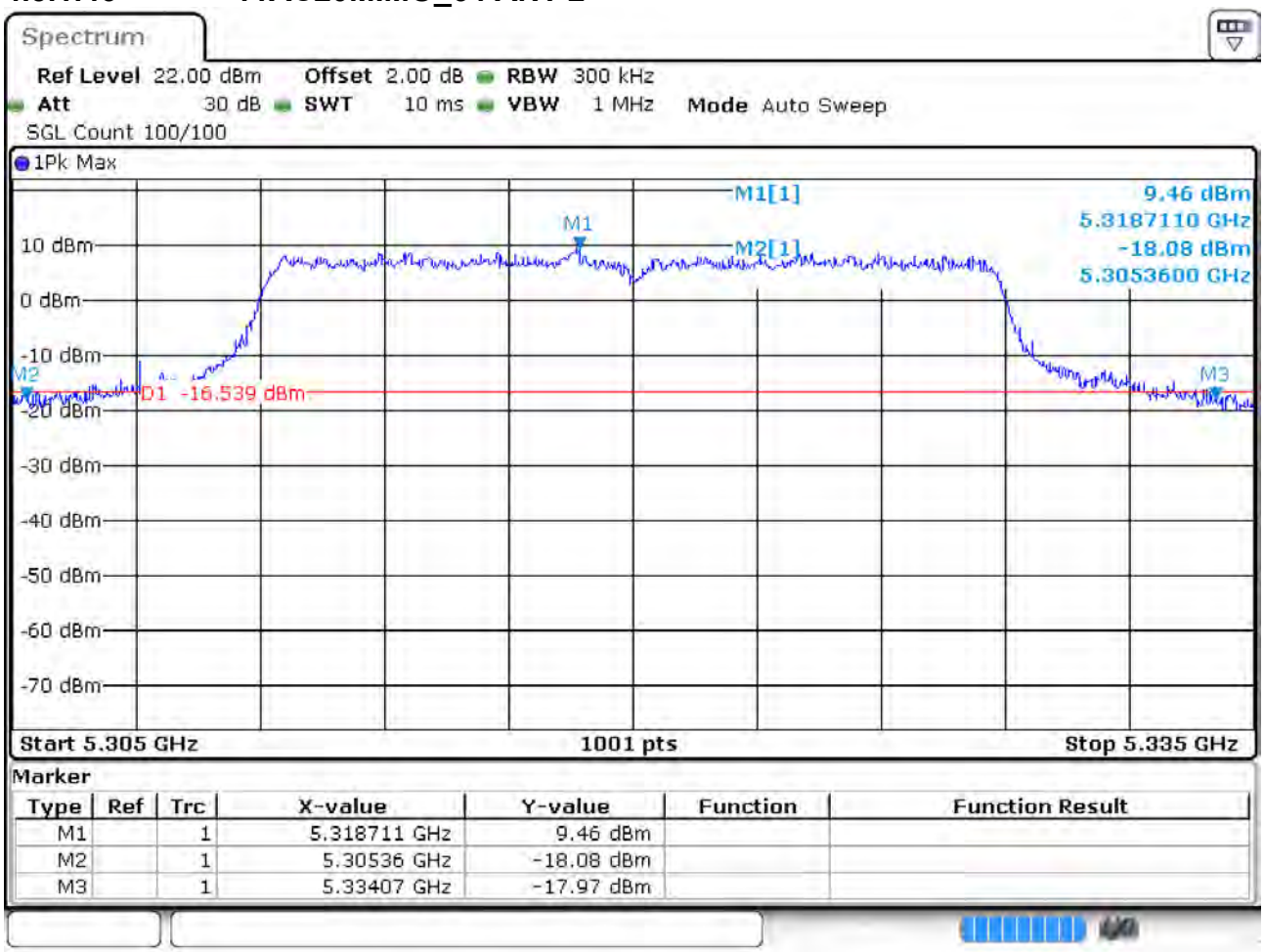
4.5.1.46 11AC20MIMO_64 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.318711 GHz	9.46 dBm		
M2		1	5.30536 GHz	-18.08 dBm		
M3		1	5.33407 GHz	-17.97 dBm		

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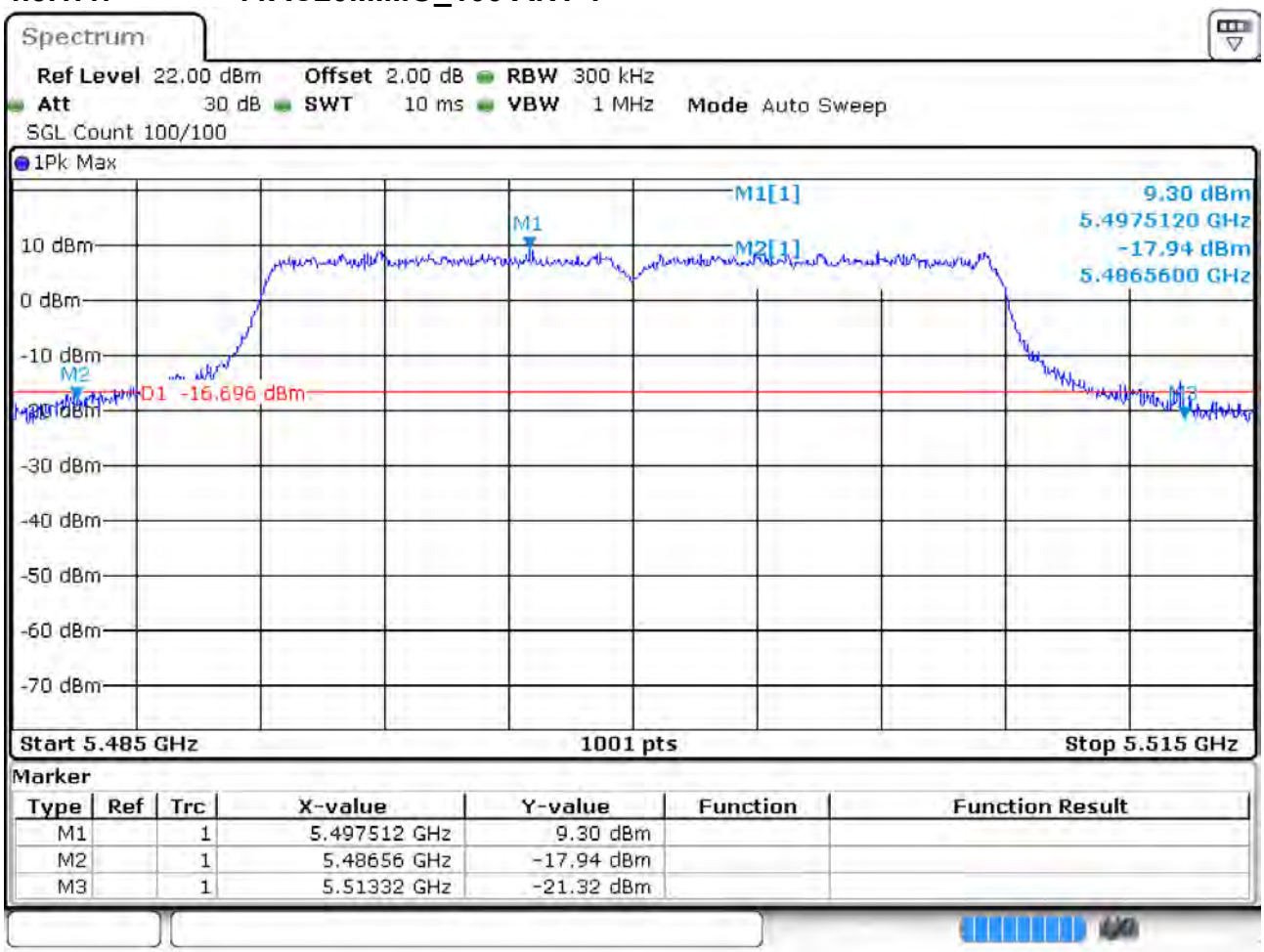
4.5.1.47 11AC20MIMO_100 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.497512 GHz	9.30 dBm		
M2		1	5.48656 GHz	-17.94 dBm		
M3		1	5.51332 GHz	-21.32 dBm		

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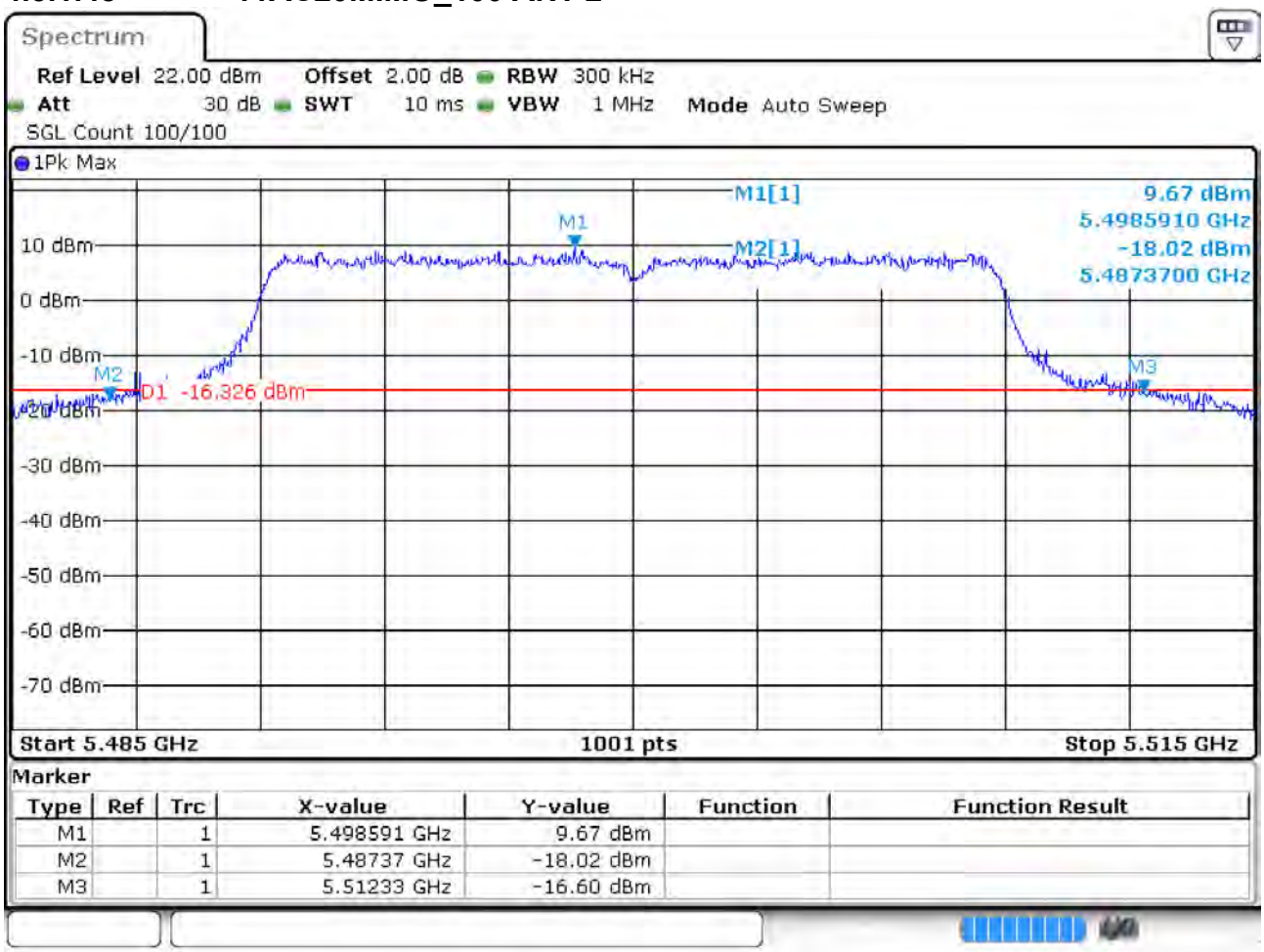
4.5.1.48 11AC20MIMO_100 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.498591 GHz	9.67 dBm		
M2		1	5.48737 GHz	-18.02 dBm		
M3		1	5.51233 GHz	-16.60 dBm		

Date: 9.APR.2020 07:53:23

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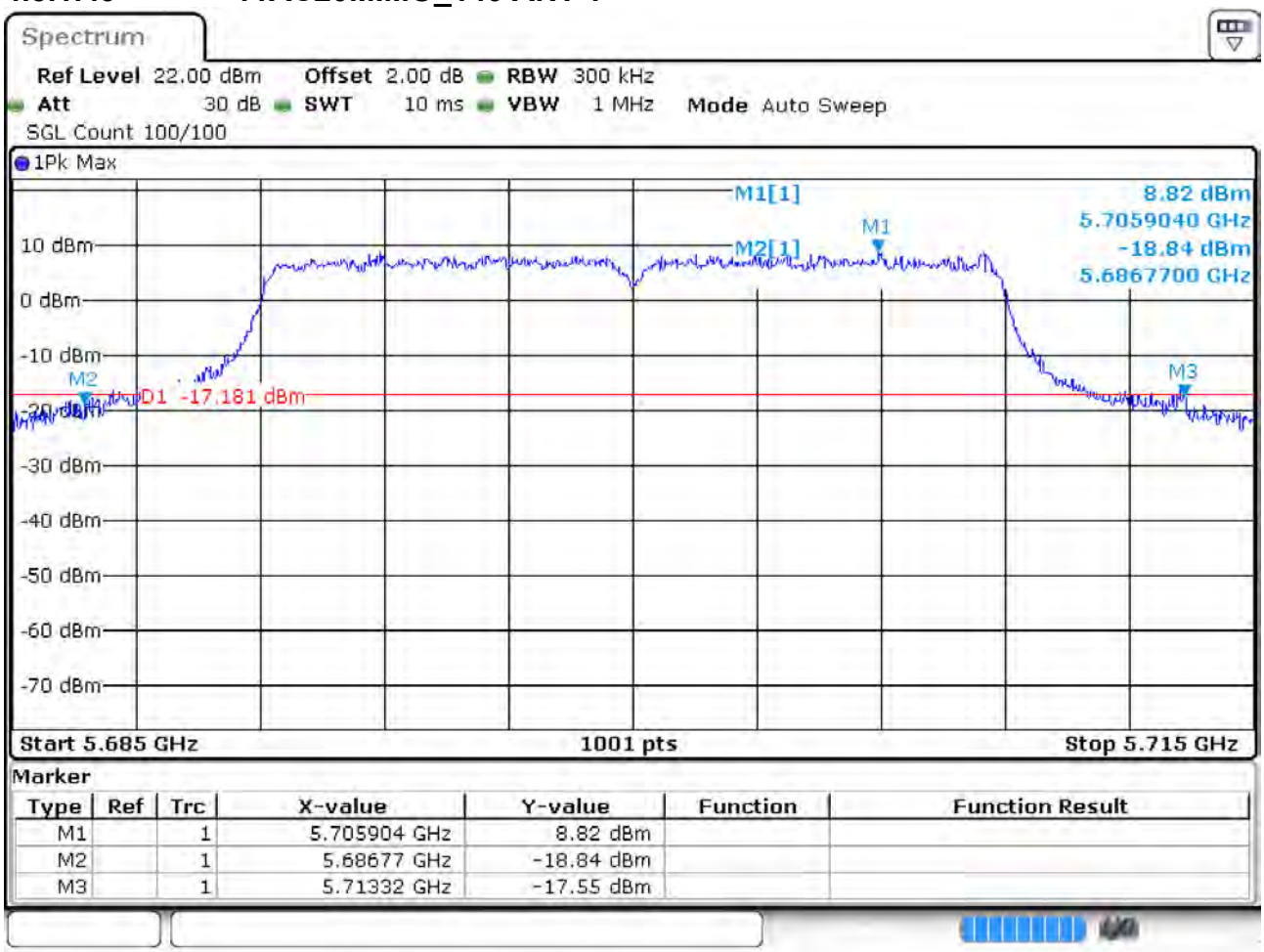
4.5.1.49 11AC20MIMO_140 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.705904 GHz	8.82 dBm		
M2		1	5.68677 GHz	-18.84 dBm		
M3		1	5.71332 GHz	-17.55 dBm		

Date: 9.APR.2020 06:32:35

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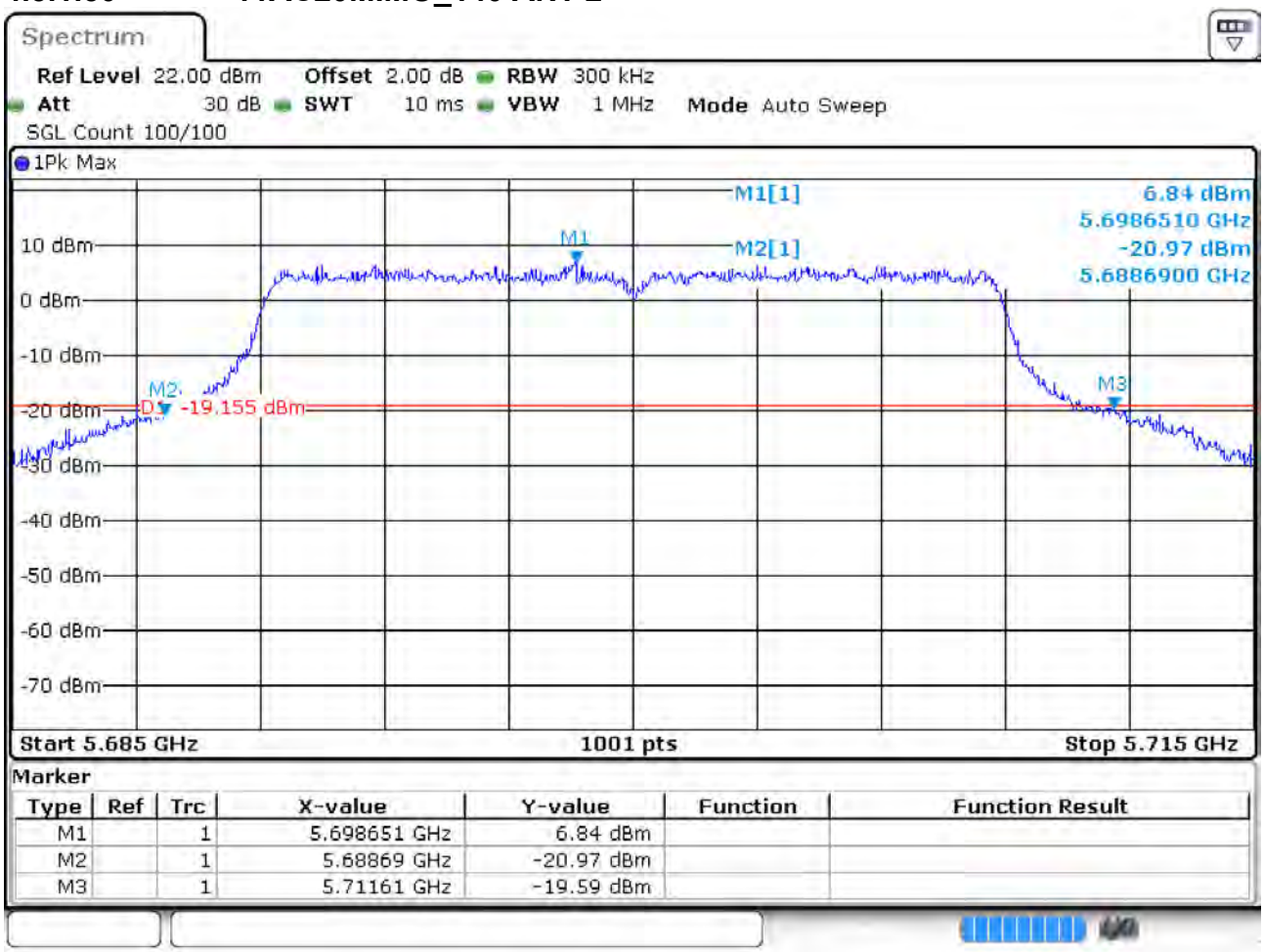
4.5.1.50 11AC20MIMO_140 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.698651 GHz	6.84 dBm		
M2		1	5.68869 GHz	-20.97 dBm		
M3		1	5.71161 GHz	-19.59 dBm		

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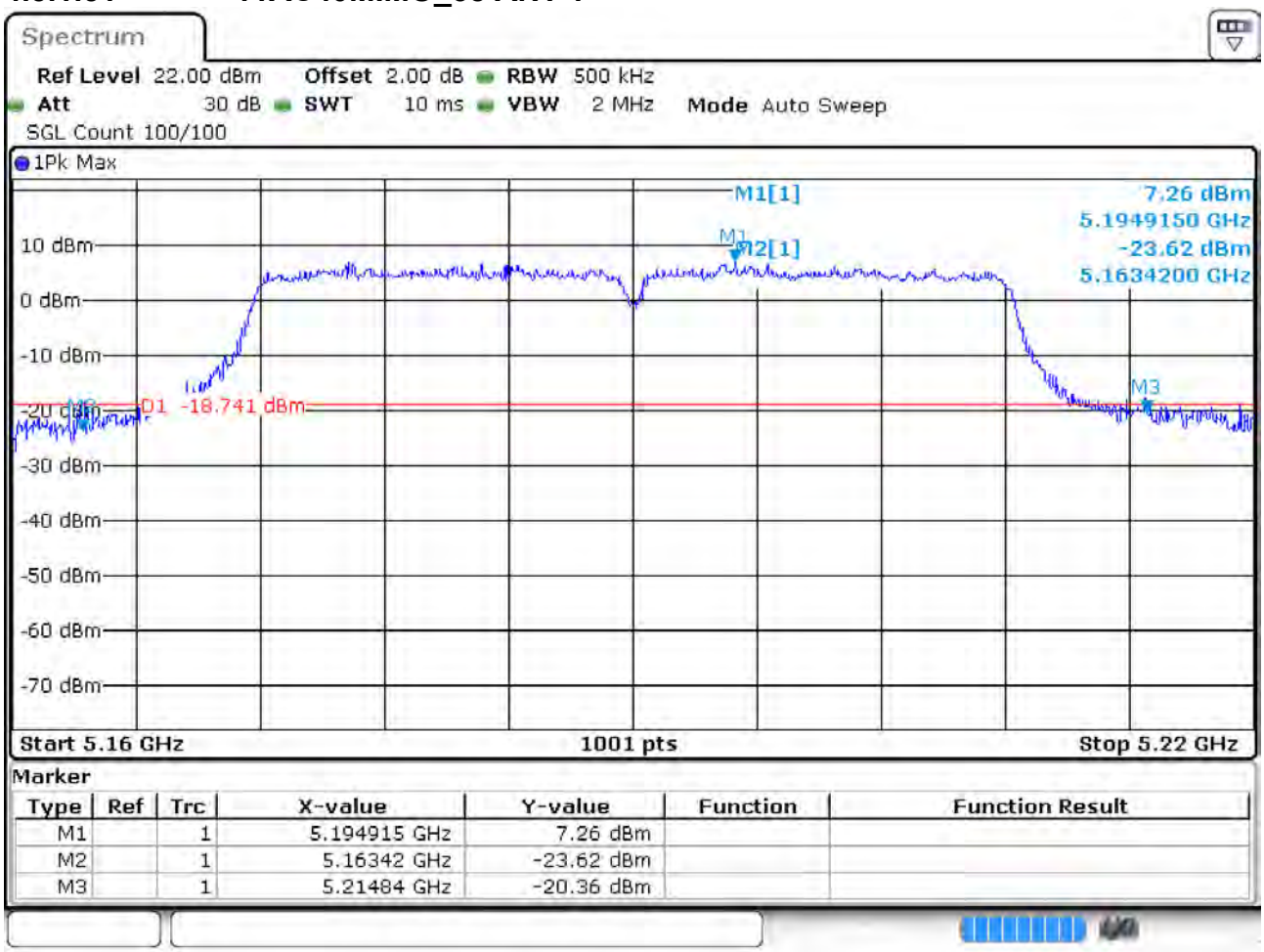
4.5.1.51 11AC40MIMO_38 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.194915 GHz	7.26 dBm		
M2		1	5.16342 GHz	-23.62 dBm		
M3		1	5.21484 GHz	-20.36 dBm		

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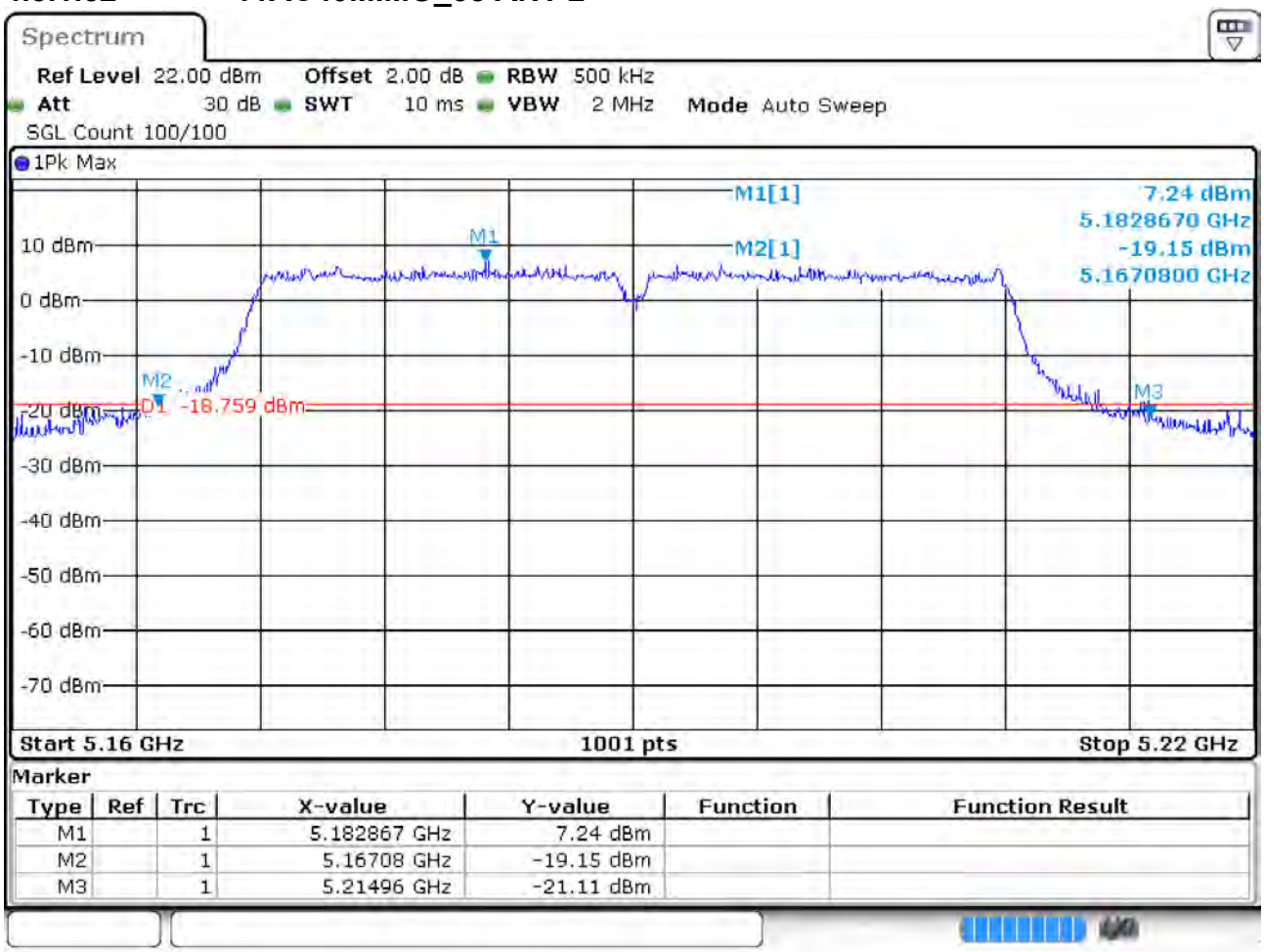
4.5.1.52 11AC40MIMO_38 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.182867 GHz	7.24 dBm		
M2		1	5.16708 GHz	-19.15 dBm		
M3		1	5.21496 GHz	-21.11 dBm		

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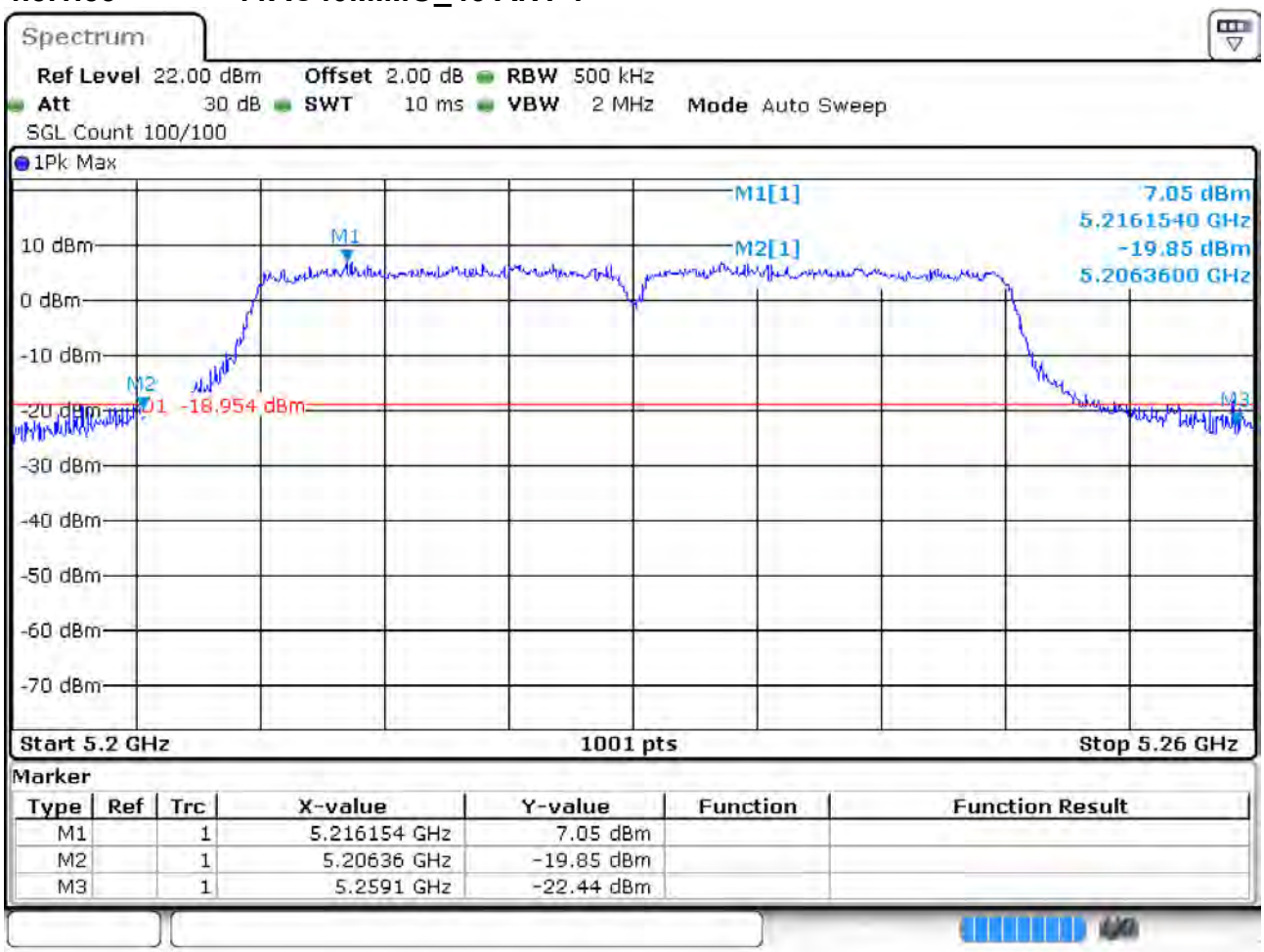
4.5.1.53 11AC40MIMO_46 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.216154 GHz	7.05 dBm		
M2		1	5.20636 GHz	-19.85 dBm		
M3		1	5.2591 GHz	-22.44 dBm		

Date: 9.APR.2020 06:42:03

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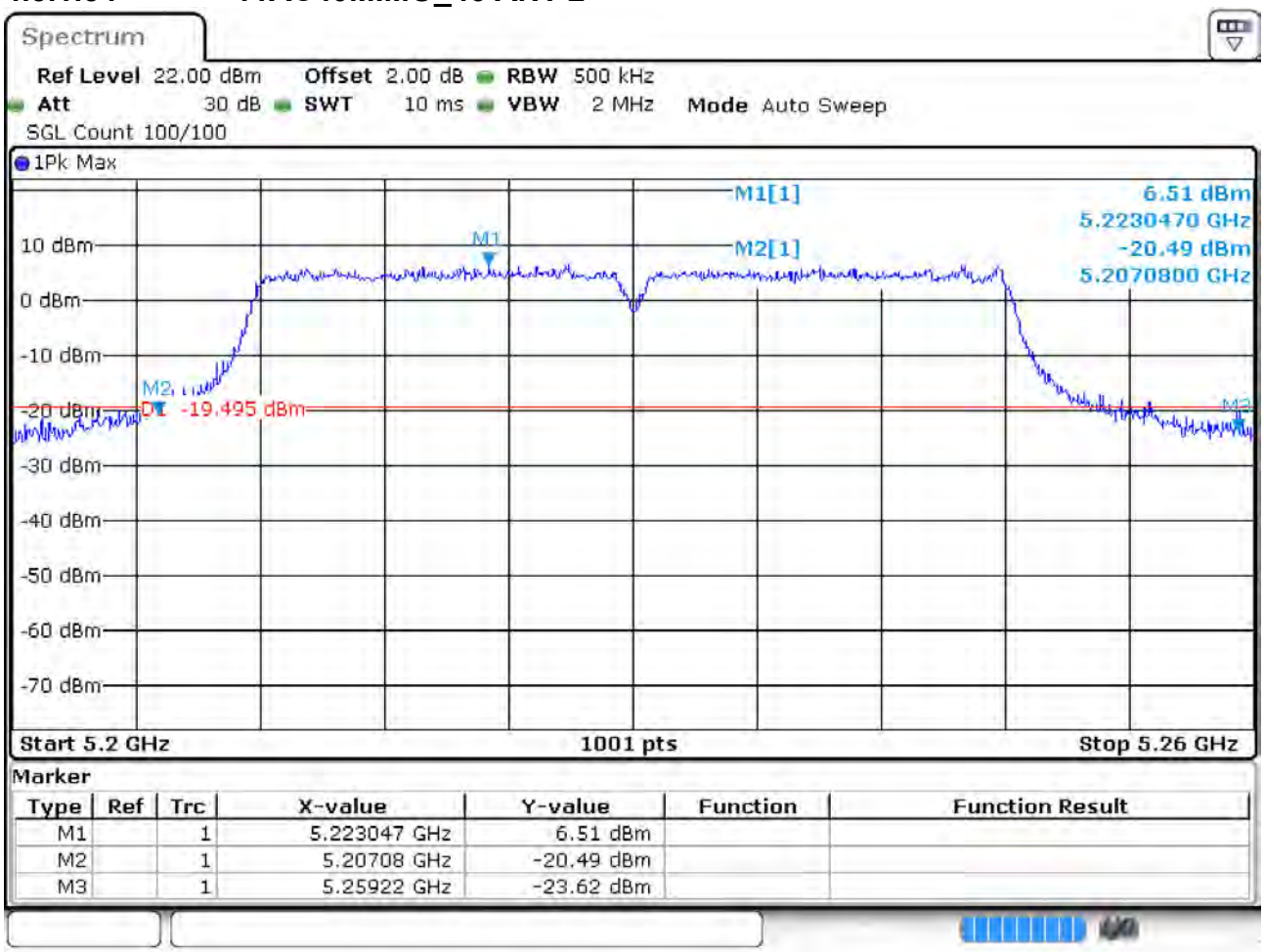
4.5.1.54 11AC40MIMO_46 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.223047 GHz	6.51 dBm		
M2		1	5.20708 GHz	-20.49 dBm		
M3		1	5.25922 GHz	-23.62 dBm		

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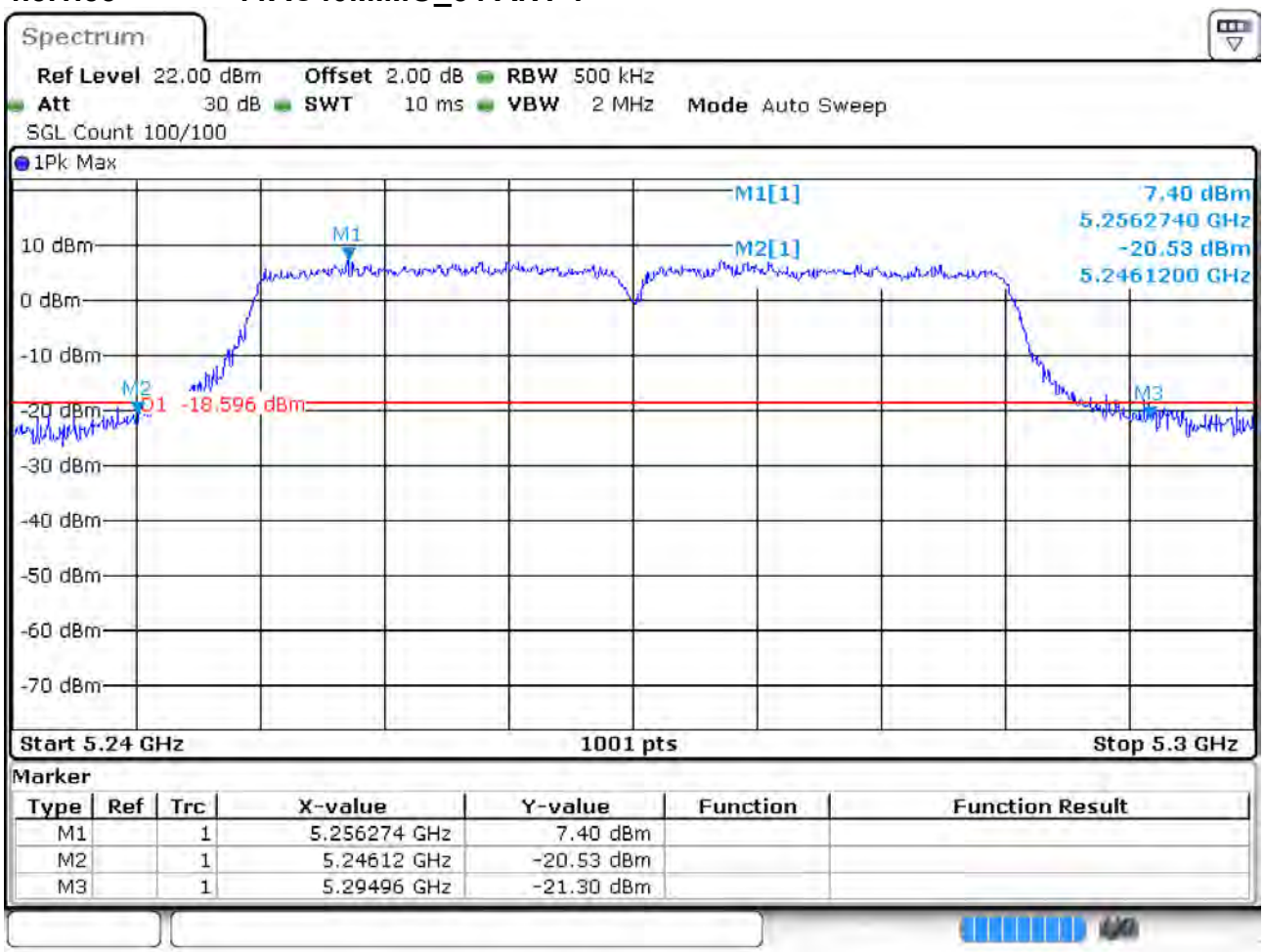
4.5.1.55 11AC40MIMO_54 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.256274 GHz	7.40 dBm		
M2		1	5.24612 GHz	-20.53 dBm		
M3		1	5.29496 GHz	-21.30 dBm		

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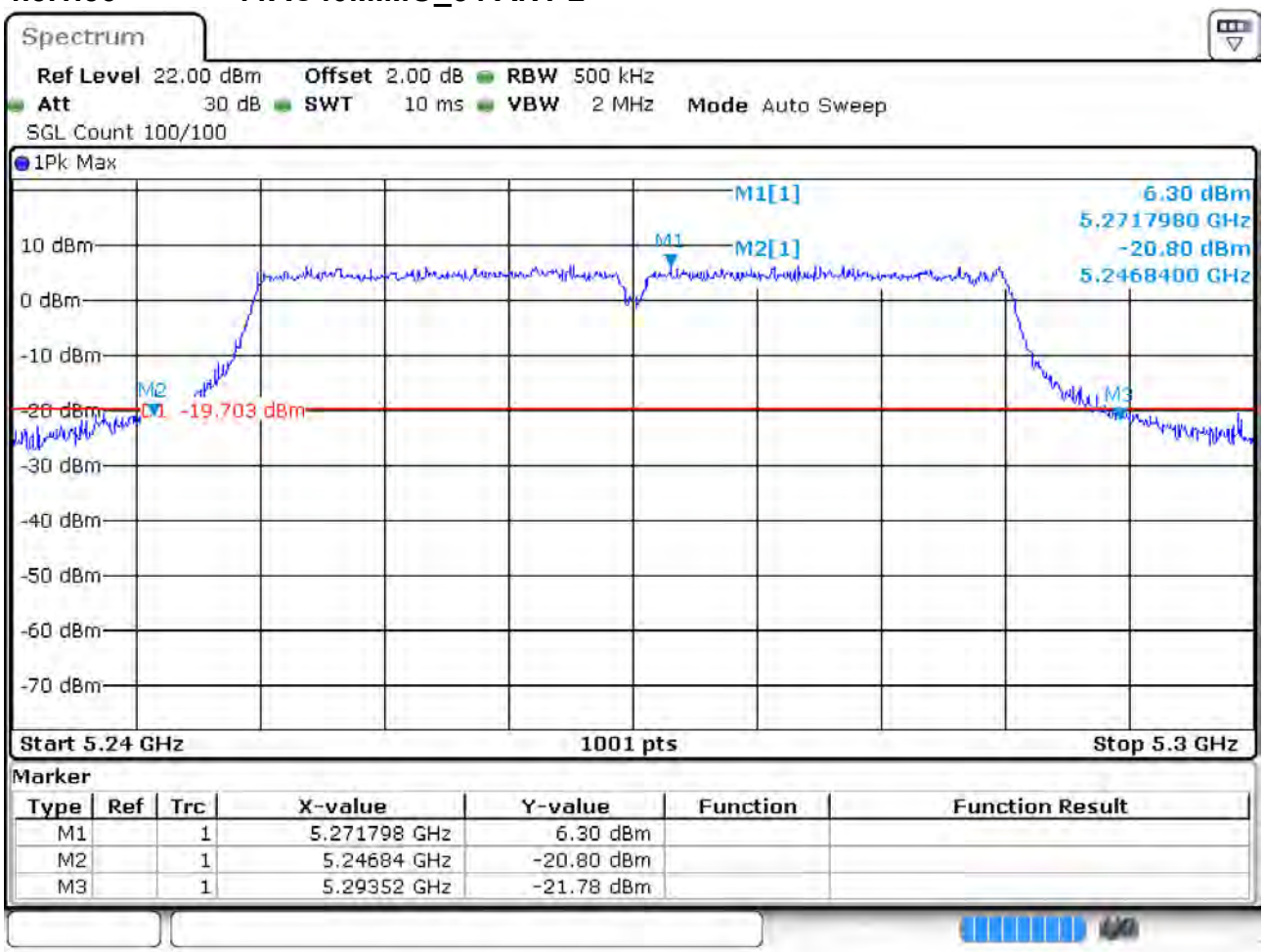
4.5.1.56 11AC40MIMO_54 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.271798 GHz	6.30 dBm		
M2		1	5.24684 GHz	-20.80 dBm		
M3		1	5.29352 GHz	-21.78 dBm		

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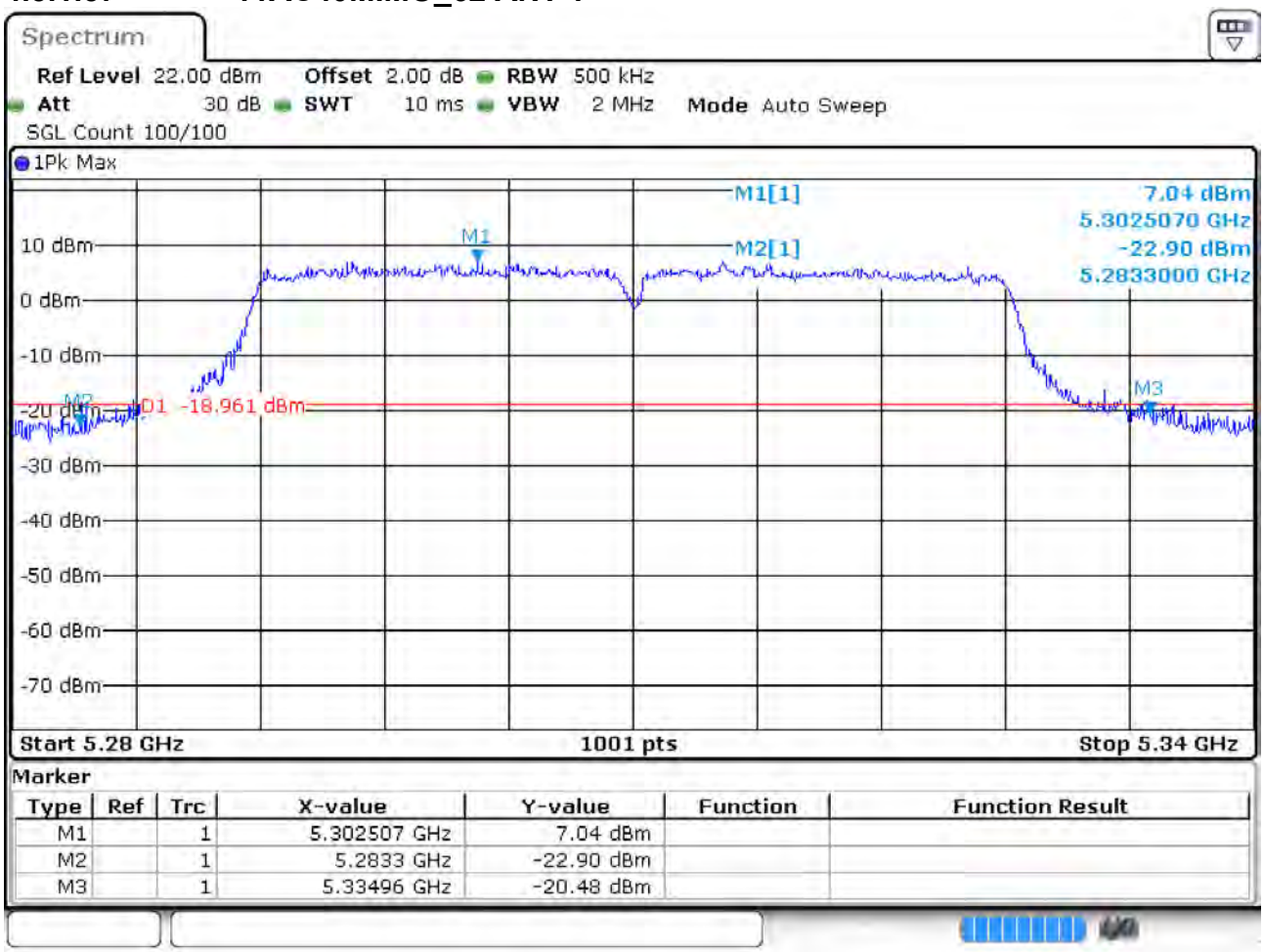
4.5.1.57 11AC40MIMO_62 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.302507 GHz	7.04 dBm		
M2		1	5.2833 GHz	-22.90 dBm		
M3		1	5.33496 GHz	-20.48 dBm		

Date: 10.APR.2020 03:03:35

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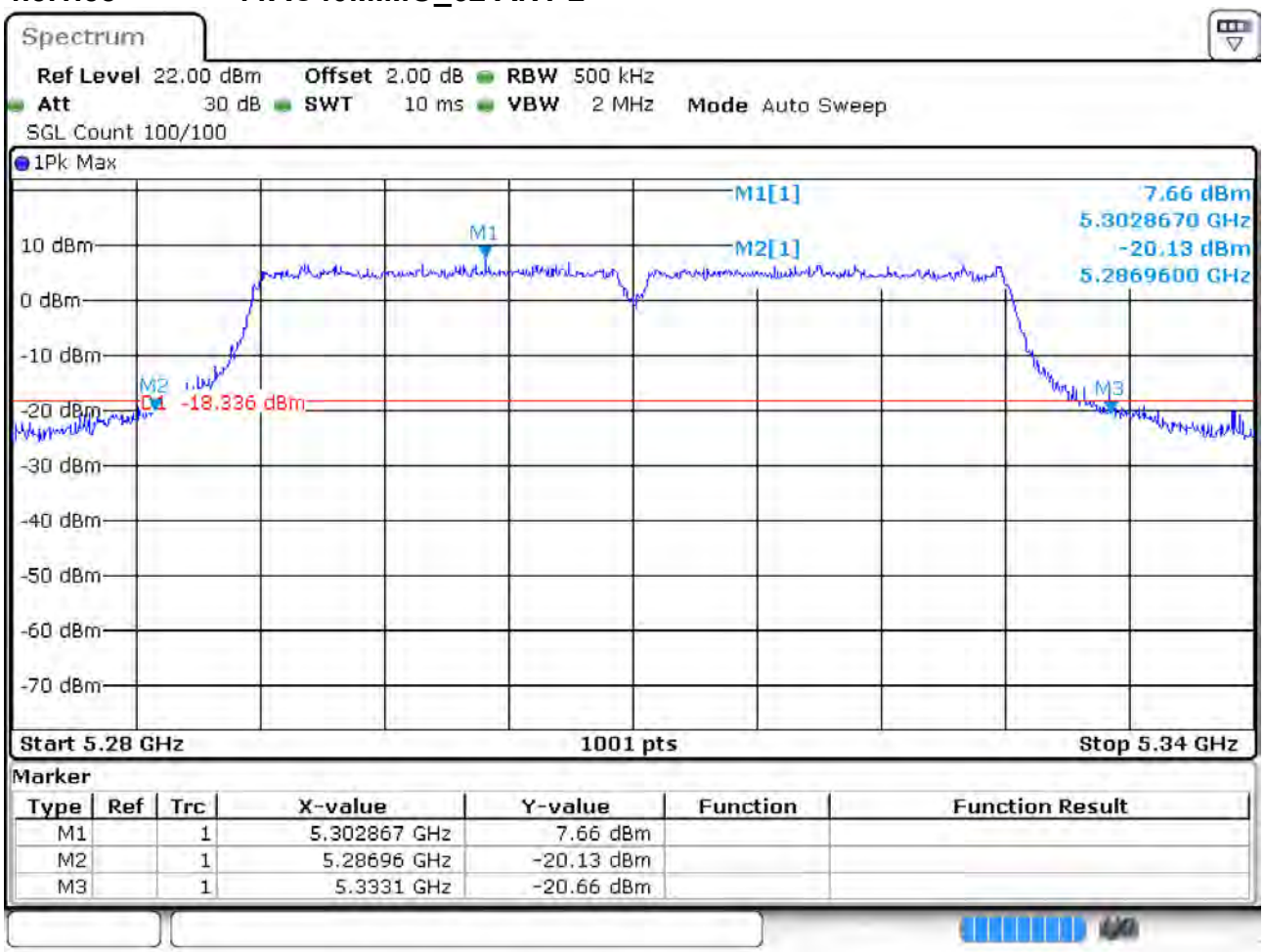
4.5.1.58 11AC40MIMO_62 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.302867 GHz	7.66 dBm		
M2		1	5.28696 GHz	-20.13 dBm		
M3		1	5.3331 GHz	-20.66 dBm		

Date: 9.APR.2020 08:30:27

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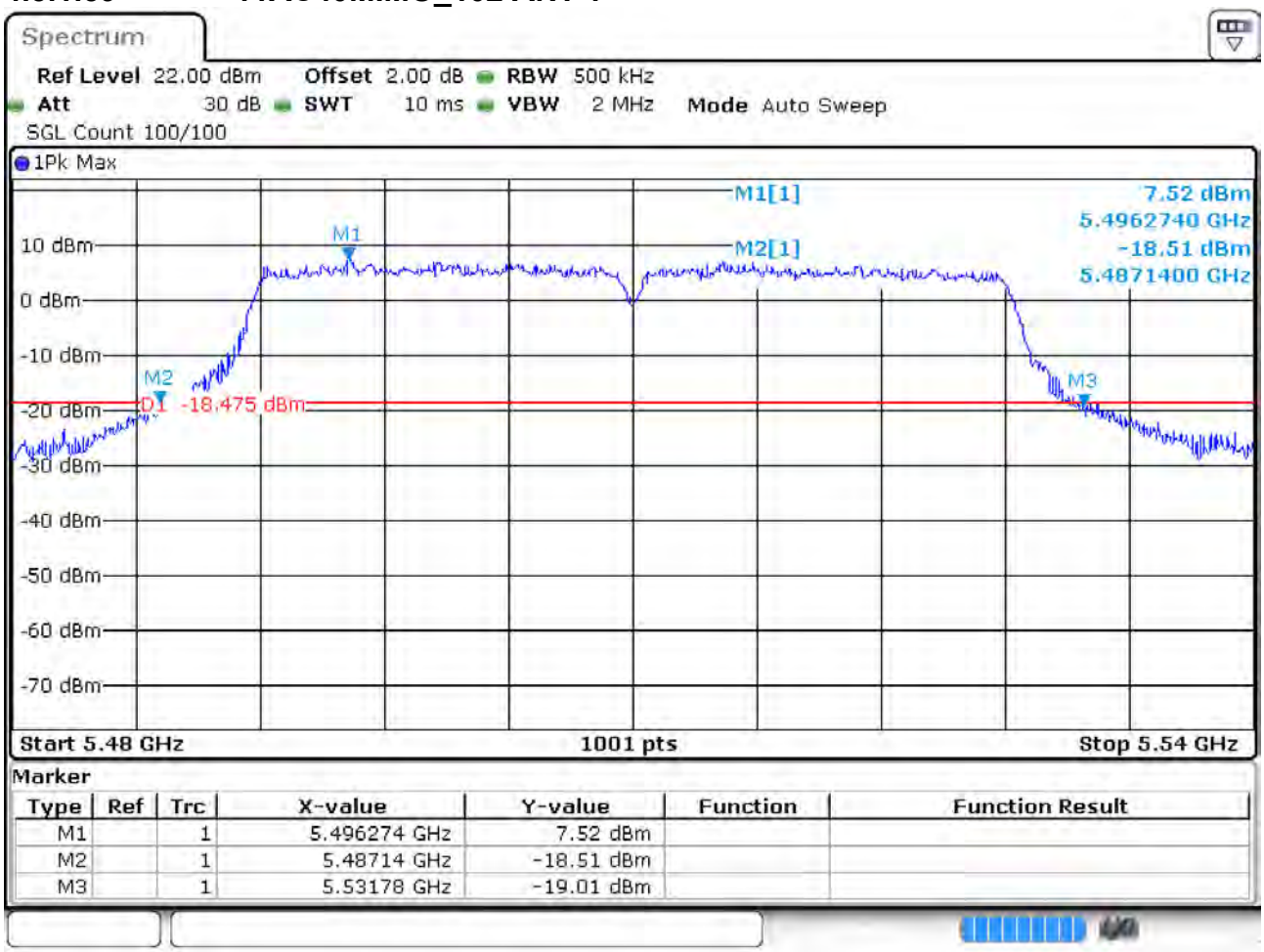
4.5.1.59 11AC40MIMO_102 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.496274 GHz	7.52 dBm		
M2		1	5.48714 GHz	-18.51 dBm		
M3		1	5.53178 GHz	-19.01 dBm		

Date: 9.APR.2020 06:55:02

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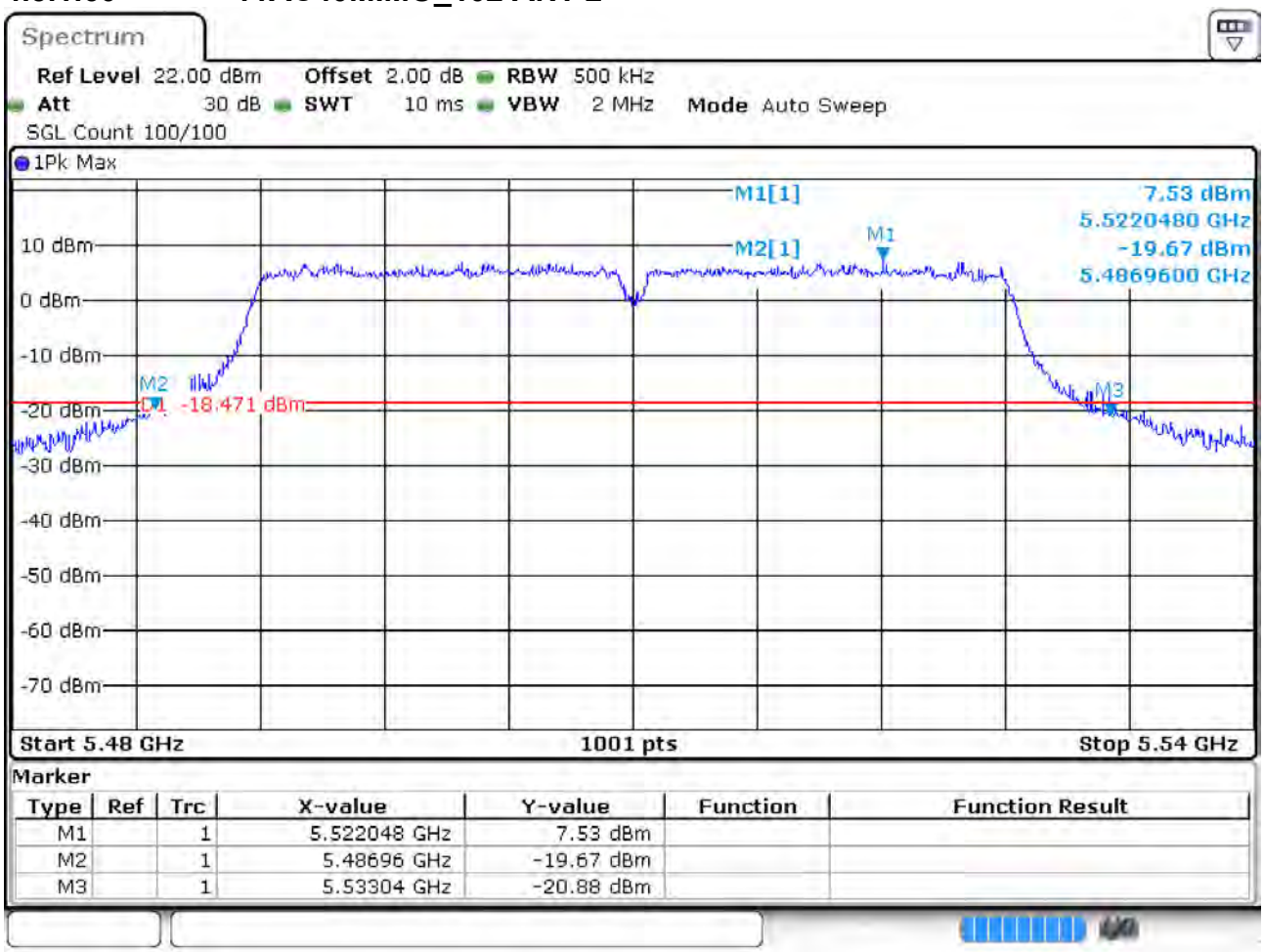
4.5.1.60 11AC40MIMO_102 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.522048 GHz	7.53 dBm		
M2		1	5.48696 GHz	-19.67 dBm		
M3		1	5.53304 GHz	-20.88 dBm		

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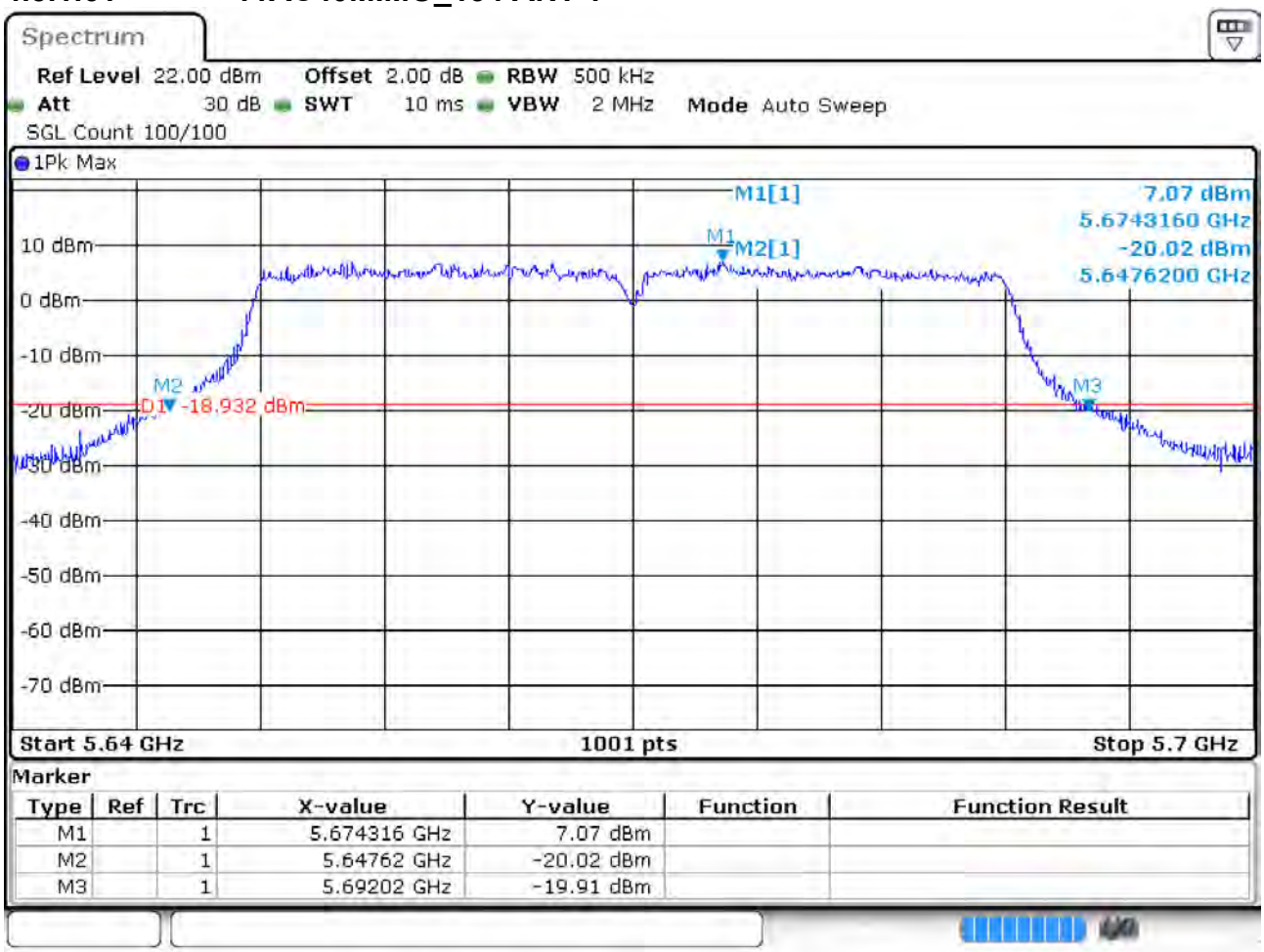
4.5.1.61 11AC40MIMO_134 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.674316 GHz	7.07 dBm		
M2		1	5.64762 GHz	-20.02 dBm		
M3		1	5.69202 GHz	-19.91 dBm		

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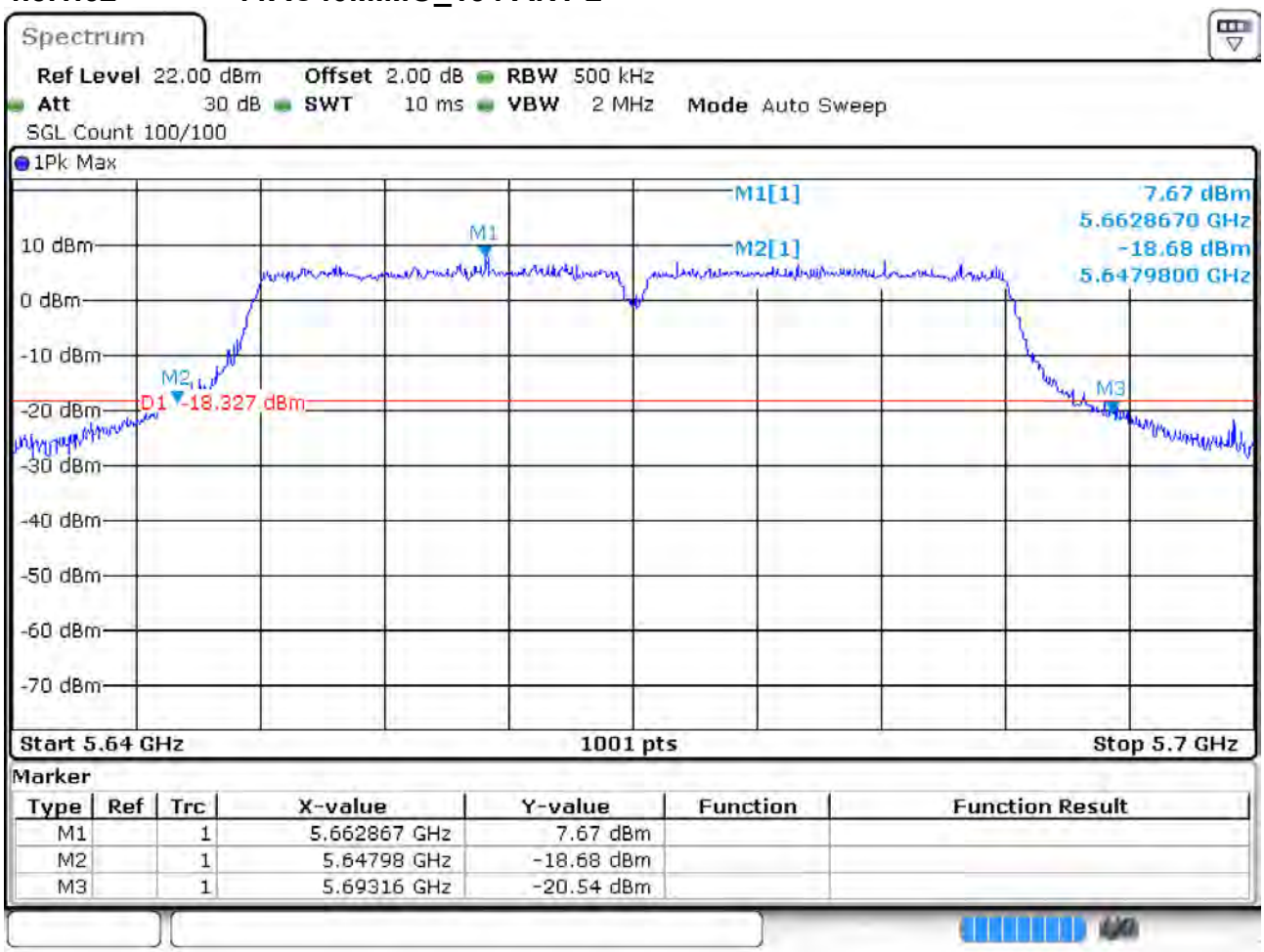
4.5.1.62 11AC40MIMO_134 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.662867 GHz	7.67 dBm		
M2		1	5.64798 GHz	-18.68 dBm		
M3		1	5.69316 GHz	-20.54 dBm		

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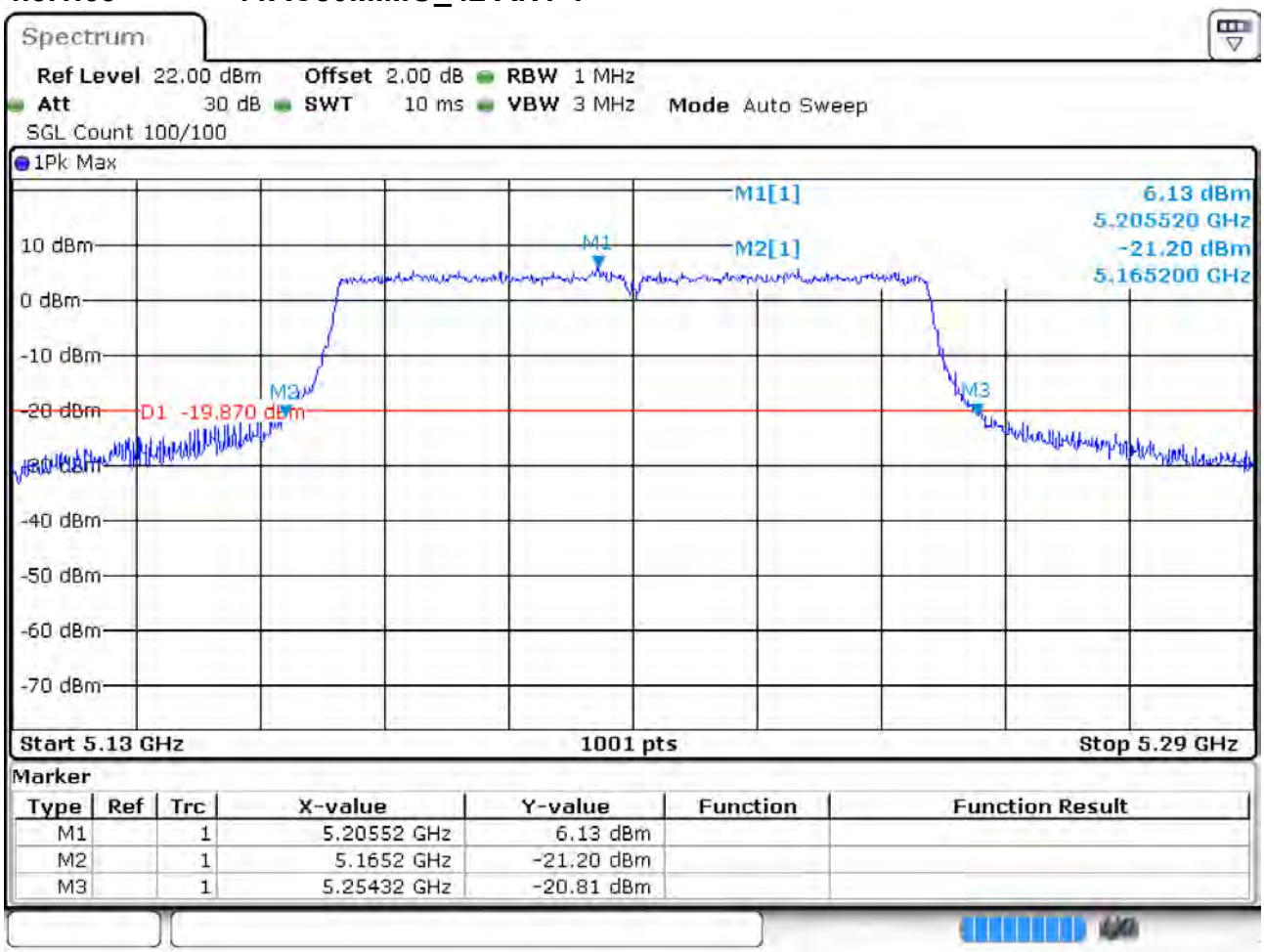
4.5.1.63 11AC80MIMO_42 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.20552 GHz	6.13 dBm		
M2		1	5.1652 GHz	-21.20 dBm		
M3		1	5.25432 GHz	-20.81 dBm		

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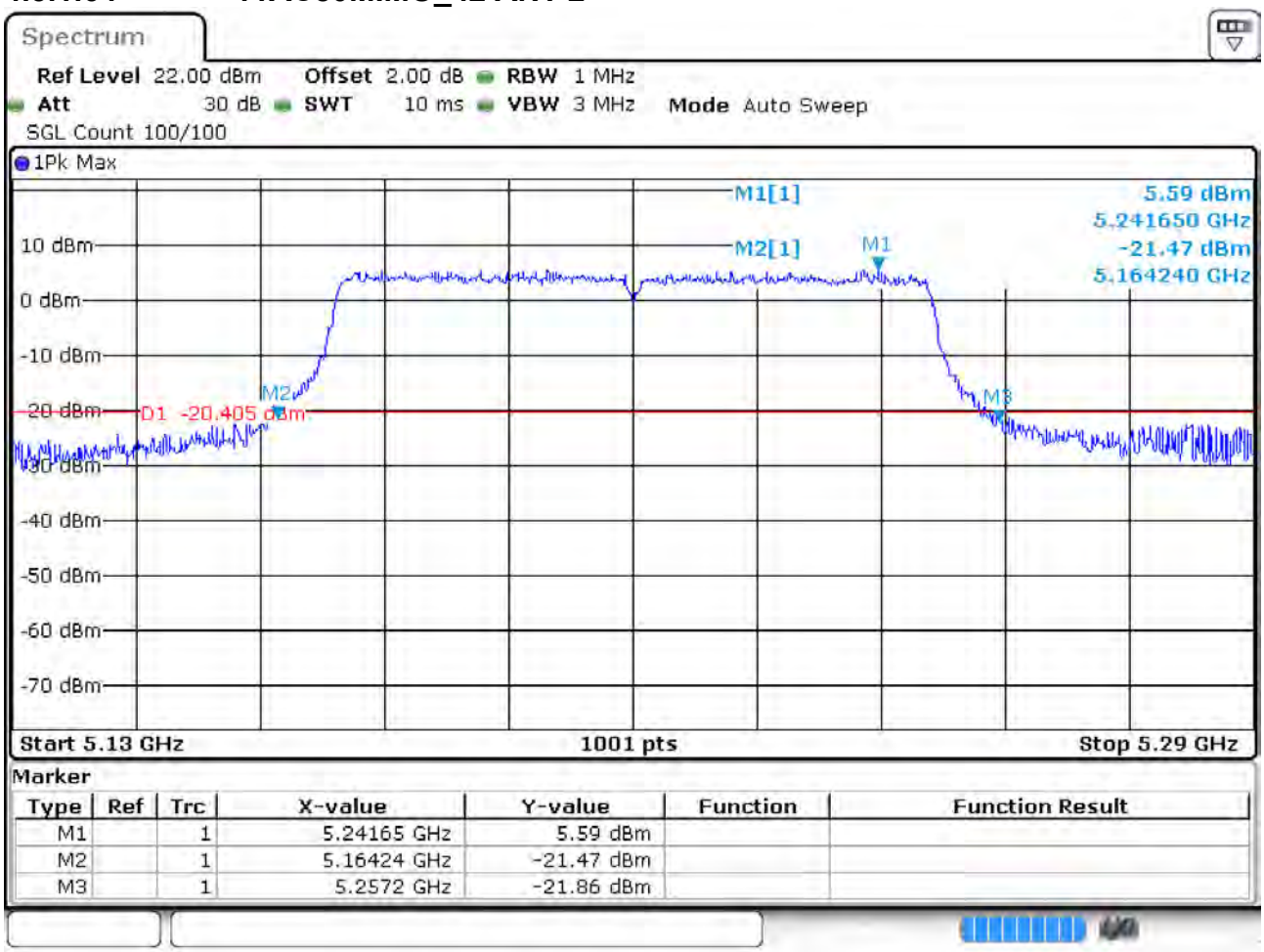
4.5.1.64 11AC80MIMO_42 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.24165 GHz	5.59 dBm		
M2		1	5.16424 GHz	-21.47 dBm		
M3		1	5.2572 GHz	-21.86 dBm		

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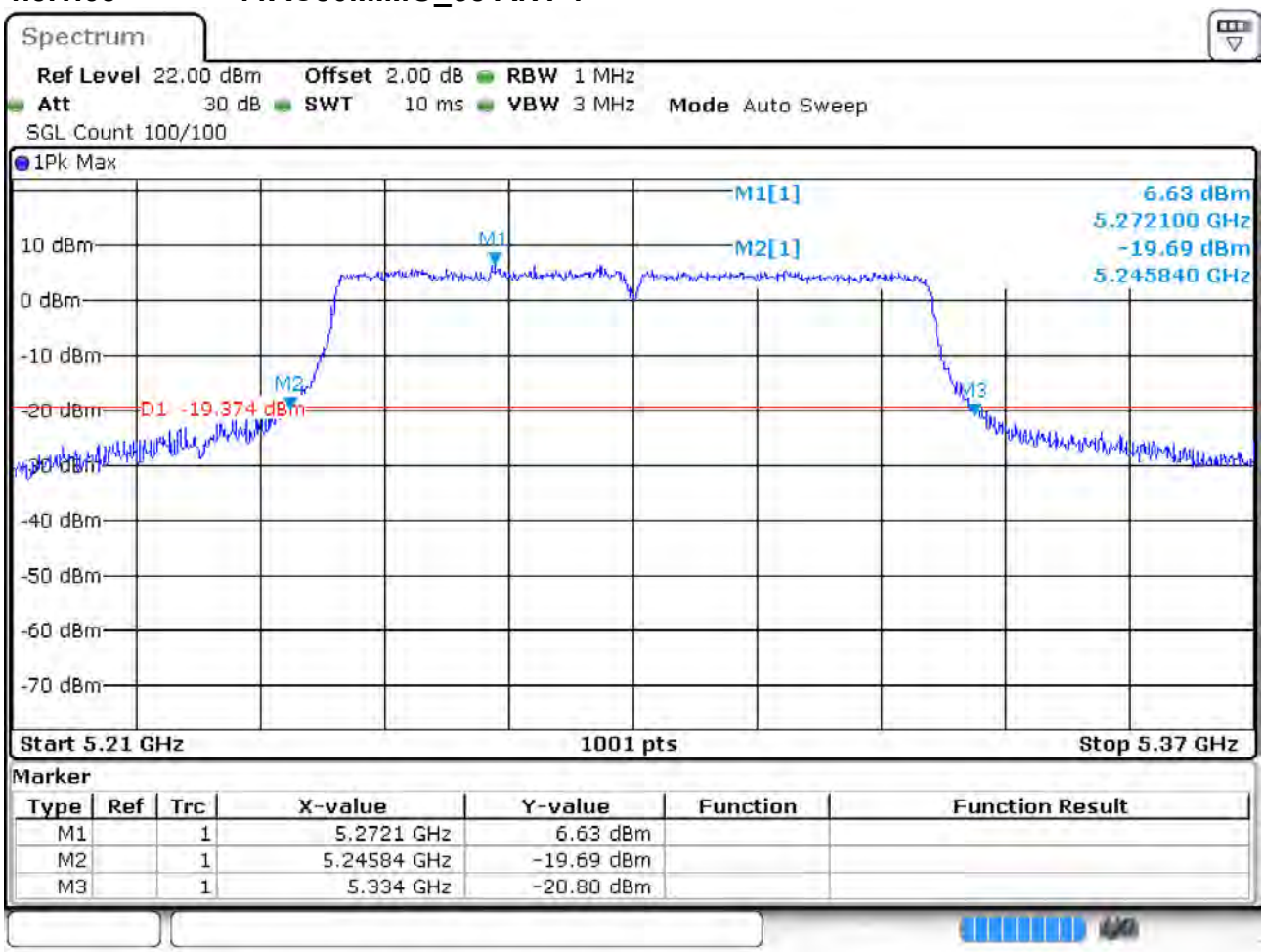
4.5.1.65 11AC80MIMO_58 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2721 GHz	6.63 dBm		
M2		1	5.24584 GHz	-19.69 dBm		
M3		1	5.334 GHz	-20.80 dBm		

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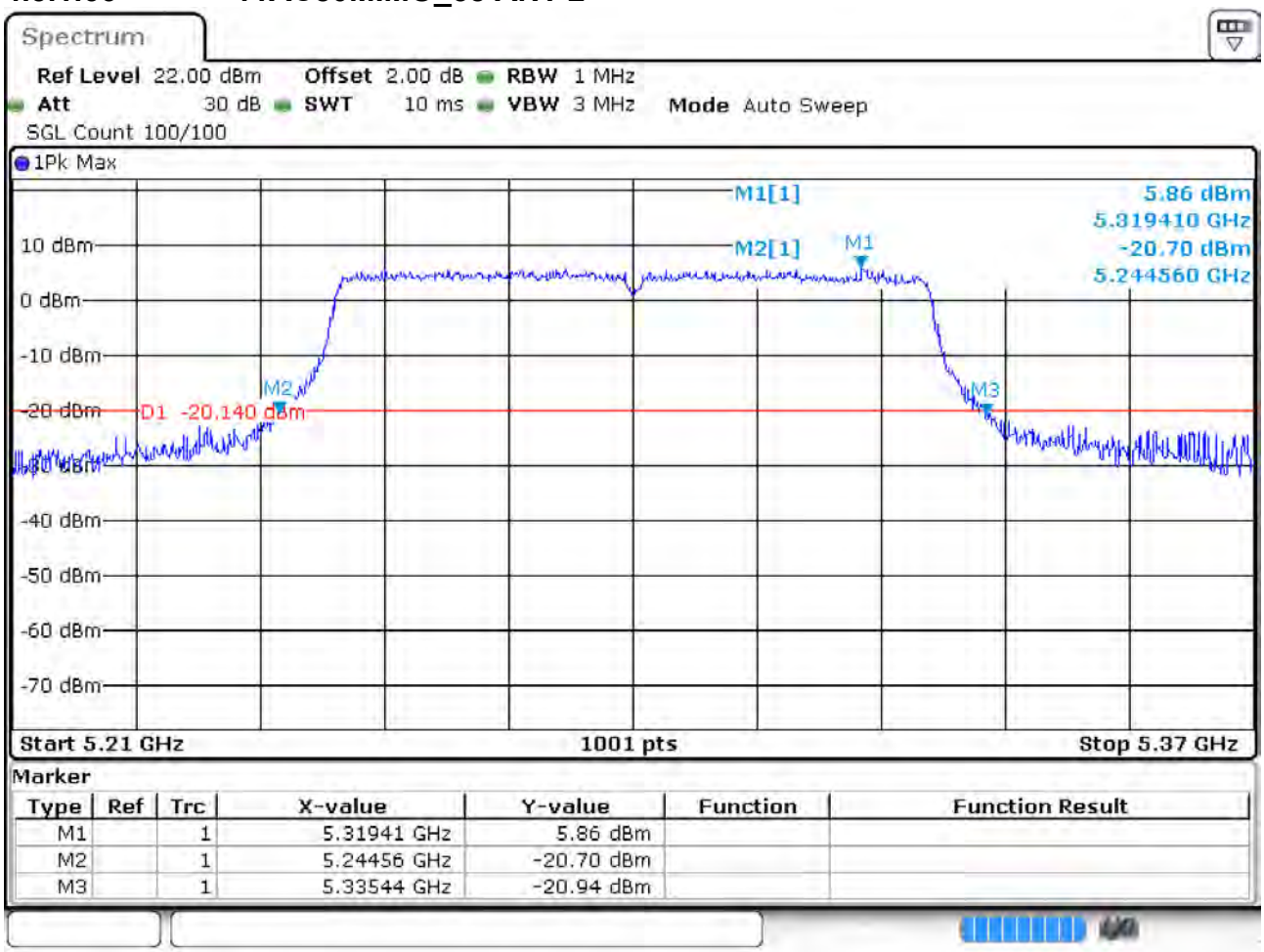
4.5.1.66 11AC80MIMO_58 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.31941 GHz	5.86 dBm		
M2		1	5.24456 GHz	-20.70 dBm		
M3		1	5.33544 GHz	-20.94 dBm		

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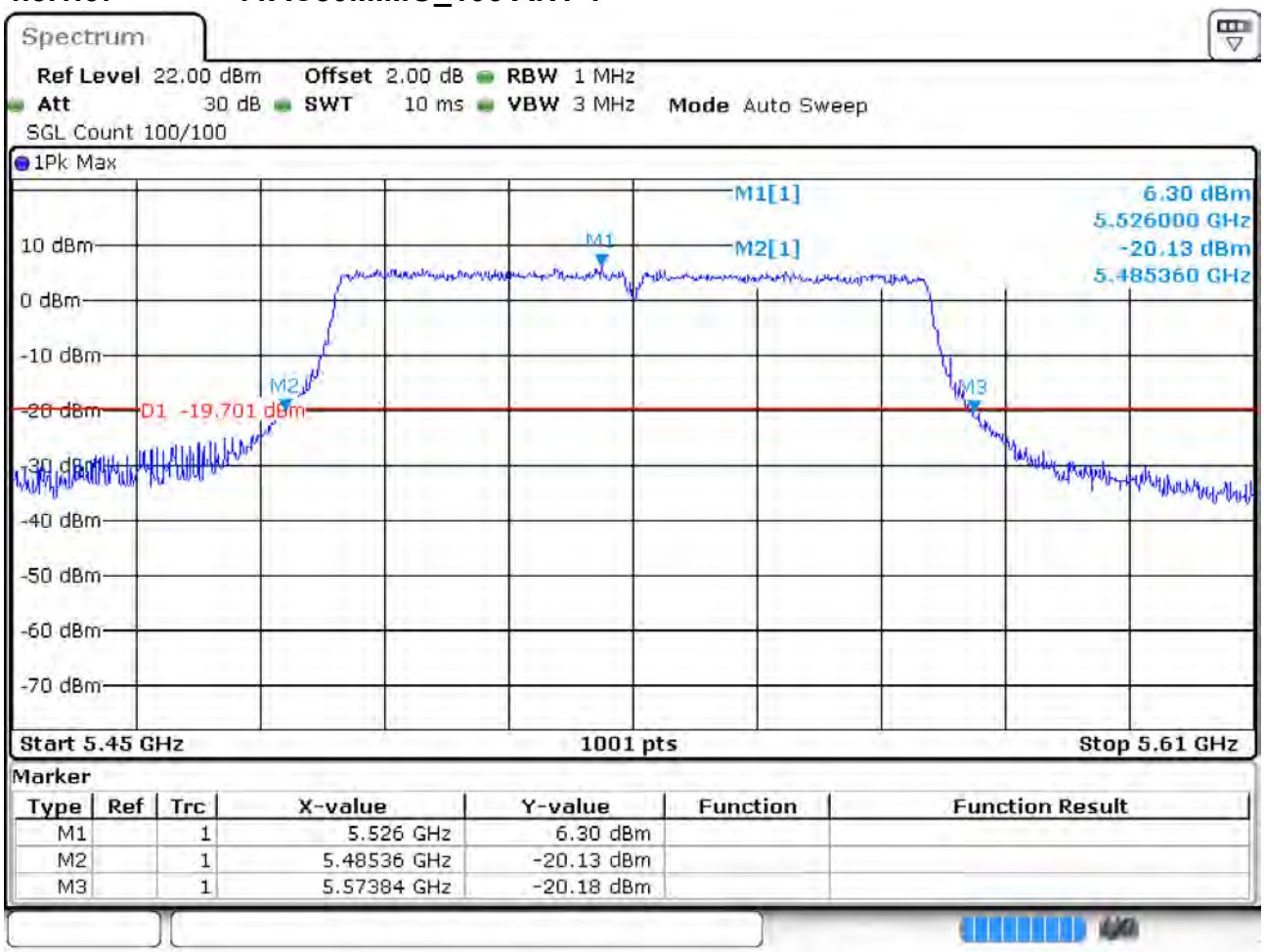
4.5.1.67 11AC80MIMO_106 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.526 GHz	6.30 dBm		
M2		1	5.48536 GHz	-20.13 dBm		
M3		1	5.57384 GHz	-20.18 dBm		

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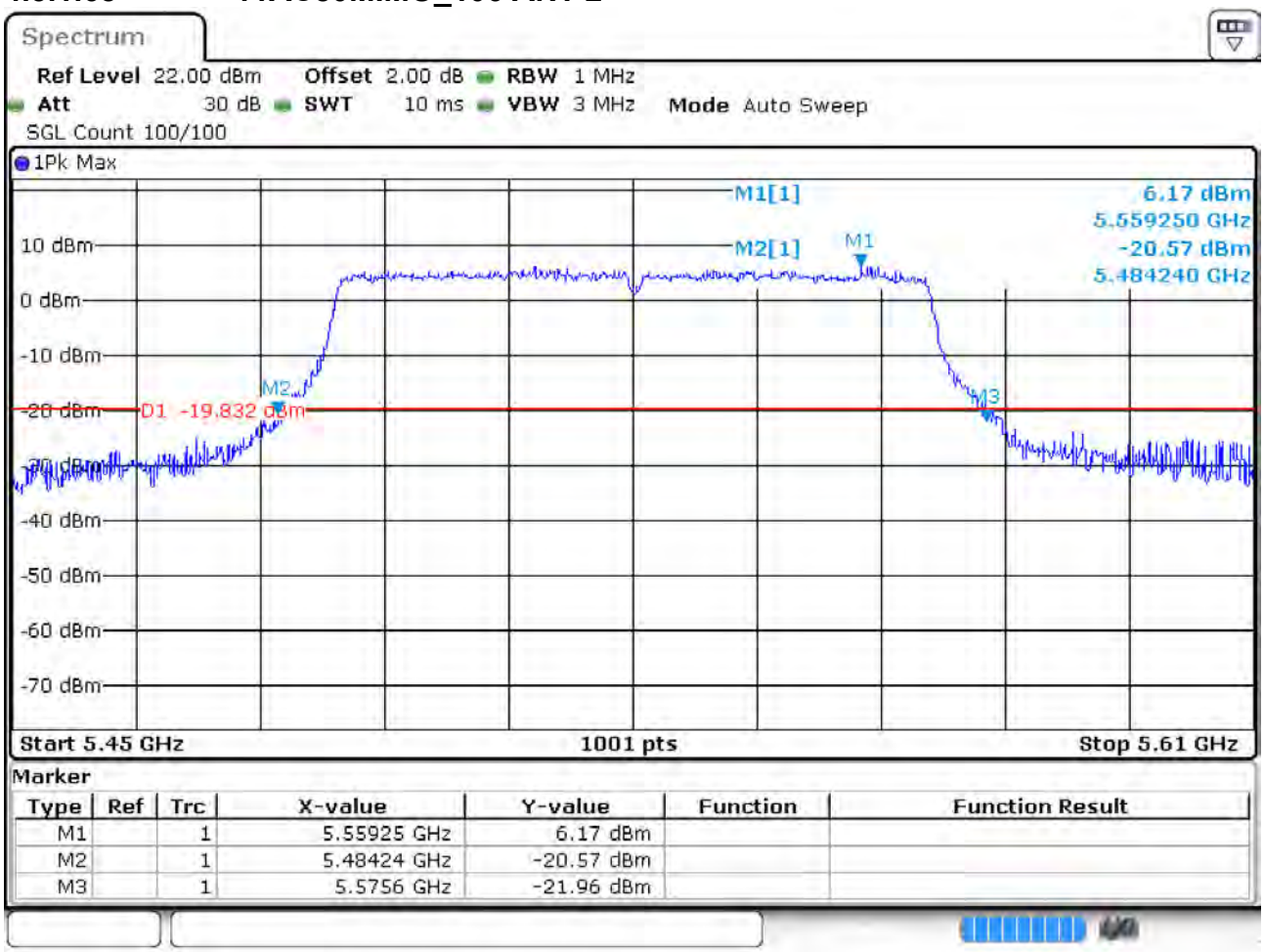
4.5.1.68 11AC80MIMO_106 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.55925 GHz	6.17 dBm		
M2		1	5.48424 GHz	-20.57 dBm		
M3		1	5.5756 GHz	-21.96 dBm		

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4.5.1.69 11AX20MIMO_26T_36 ANT 1

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.180659 GHz	14.76 dBm		
M2		1	5.17073 GHz	-11.39 dBm		
M3		1	5.18927 GHz	-13.77 dBm		

Date: 11.APR.2020 07:37:04

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4.5.1.70 11AX20MIMO_26T_36 ANT 2

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.180659 GHz	14.76 dBm		
M2		1	5.17073 GHz	-11.39 dBm		
M3		1	5.18927 GHz	-13.77 dBm		

Date: 11.APR.2020 07:37:04

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4.5.1.71 11AX20MIMO_26T_48 ANT 1

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.240869 GHz	15.49 dBm		
M2		1	5.23064 GHz	-10.80 dBm		
M3		1	5.24954 GHz	-10.87 dBm		

Date: 11.APR.2020 07:16:30

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4.5.1.72 11AX20MIMO_26T_48 ANT 2

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.240899 GHz	15.13 dBm		
M2		1	5.2307 GHz	-11.76 dBm		
M3		1	5.24927 GHz	-11.07 dBm		

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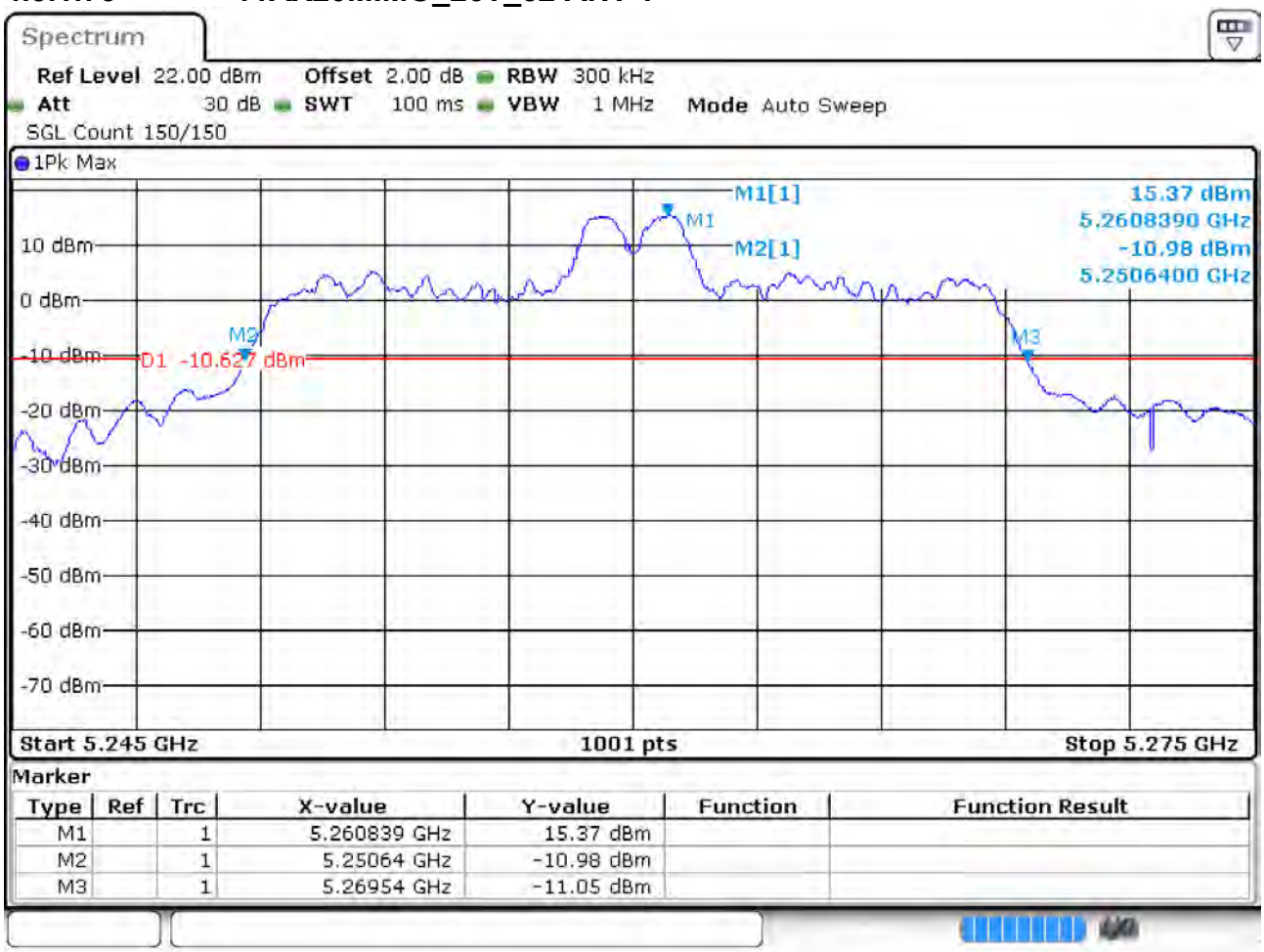
4.5.1.73 11AX20MIMO_26T_52 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.260839 GHz	15.37 dBm		
M2		1	5.25064 GHz	-10.98 dBm		
M3		1	5.26954 GHz	-11.05 dBm		

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4.5.1.74 11AX20MIMO_26T_52 ANT 2

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.259341 GHz	14.96 dBm		
M2		1	5.2507 GHz	-11.63 dBm		
M3		1	5.26927 GHz	-11.12 dBm		

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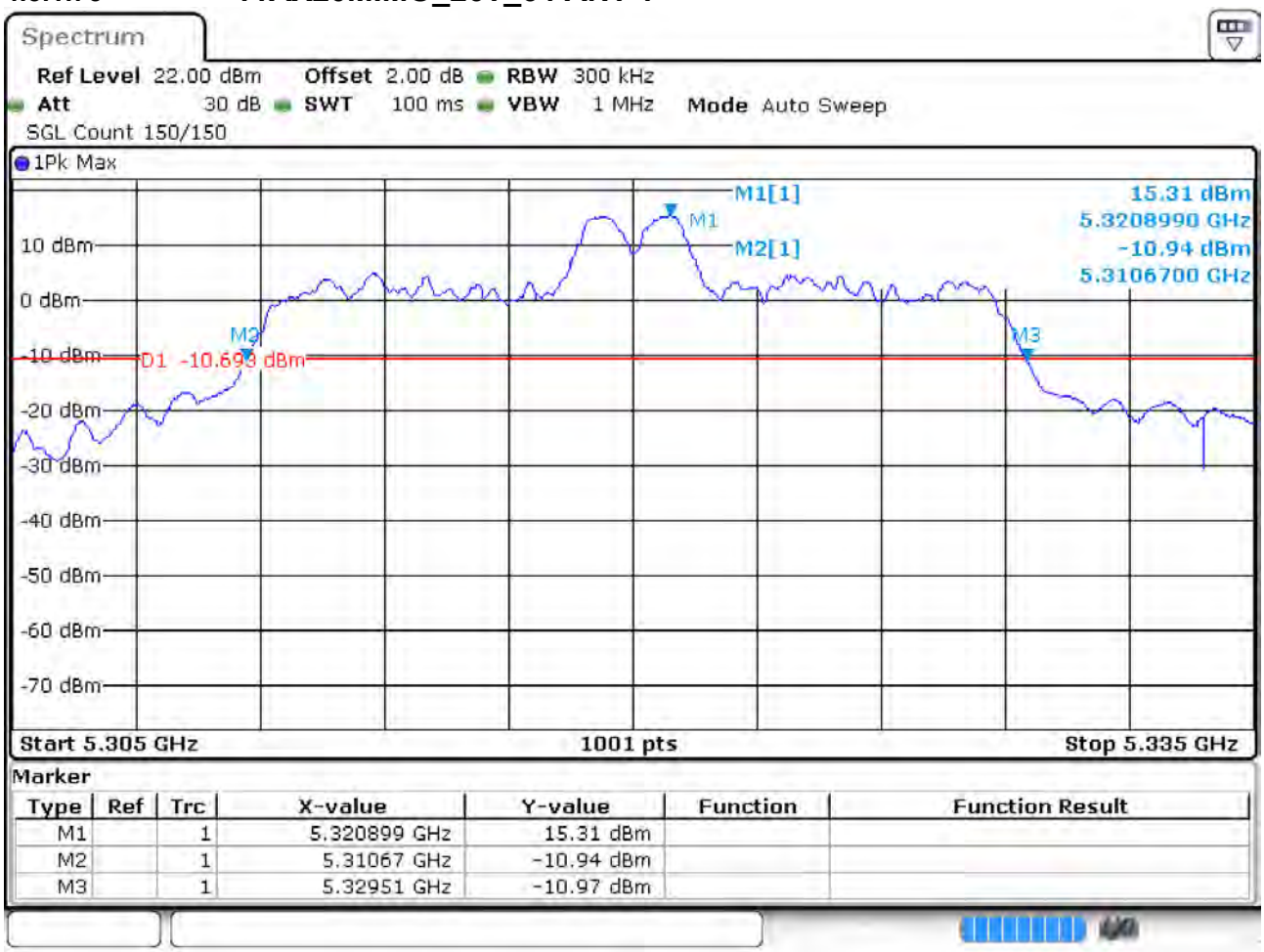
4.5.1.75 11AX20MIMO_26T_64 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.320899 GHz	15.31 dBm		
M2		1	5.31067 GHz	-10.94 dBm		
M3		1	5.32951 GHz	-10.97 dBm		

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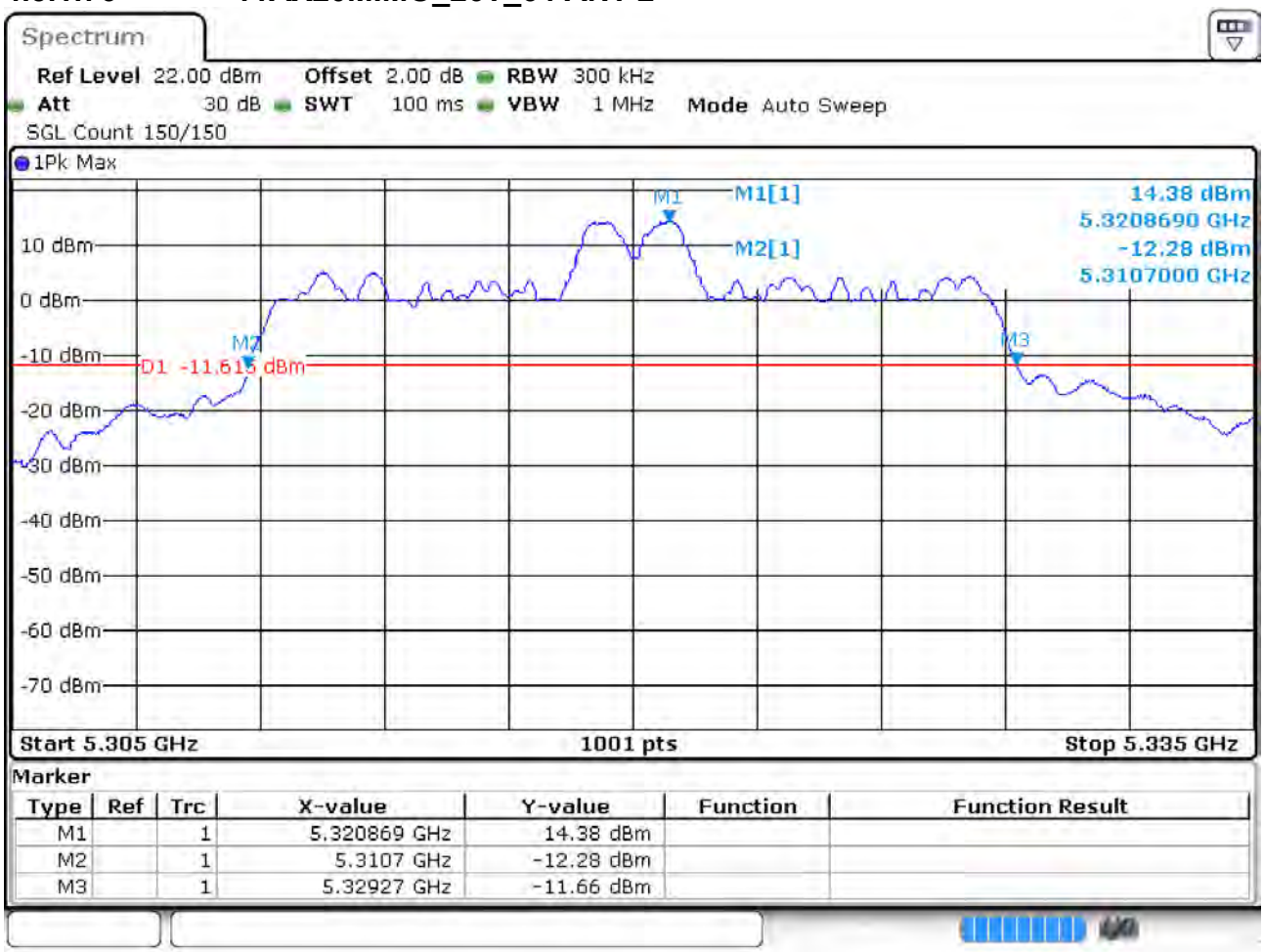
4.5.1.76 11AX20MIMO_26T_64 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.320869 GHz	14.38 dBm		
M2		1	5.3107 GHz	-12.28 dBm		
M3		1	5.32927 GHz	-11.66 dBm		

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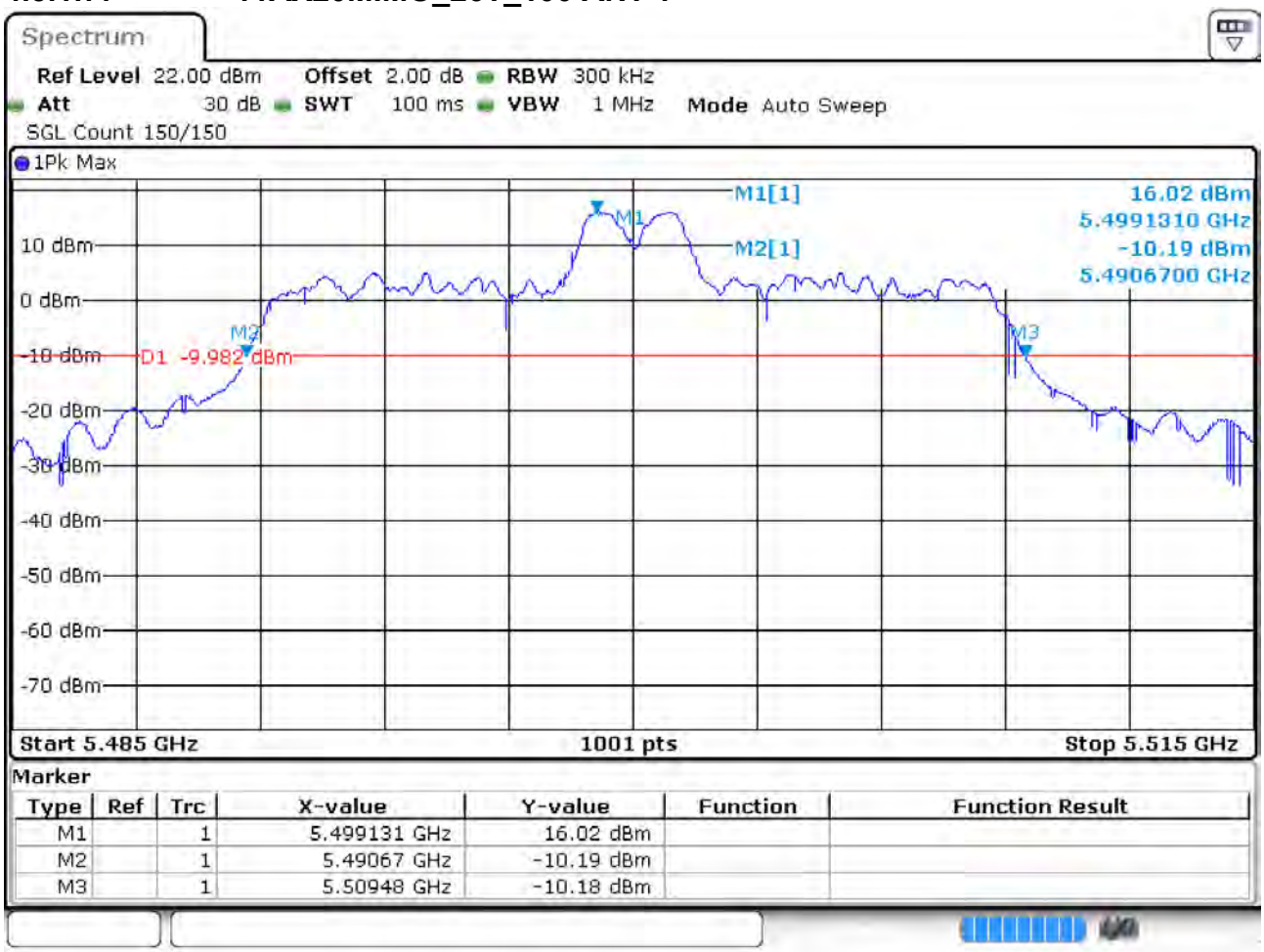
4.5.1.77 11AX20MIMO_26T_100 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.499131 GHz	16.02 dBm		
M2		1	5.49067 GHz	-10.19 dBm		
M3		1	5.50948 GHz	-10.18 dBm		

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4.5.1.78 11AX20MIMO_26T_100 ANT 2

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.500899 GHz	15.64 dBm		
M2		1	5.49073 GHz	-11.20 dBm		
M3		1	5.50924 GHz	-10.51 dBm		

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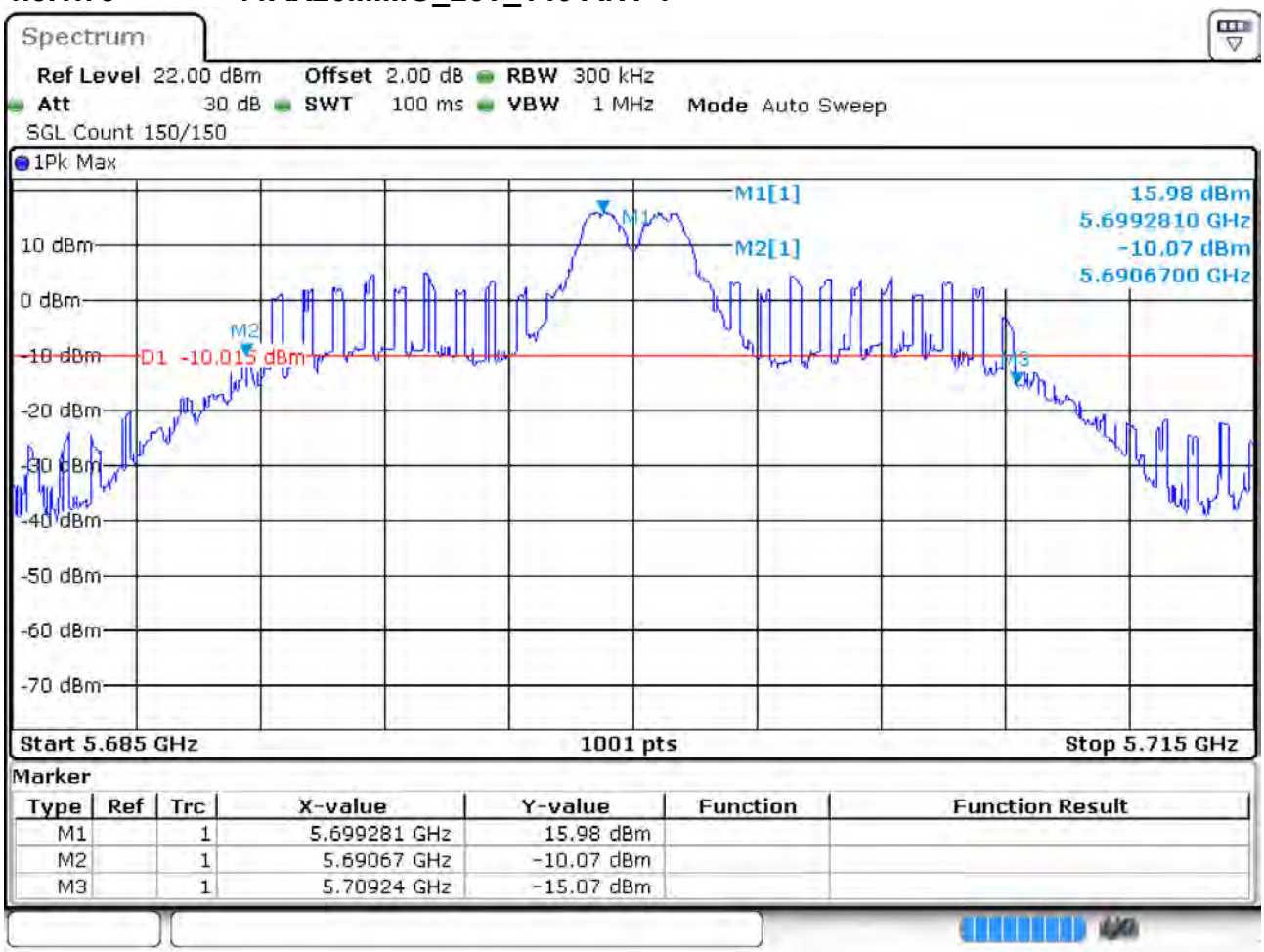
4.5.1.79 11AX20MIMO_26T_140 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.699281 GHz	15.98 dBm		
M2		1	5.69067 GHz	-10.07 dBm		
M3		1	5.70924 GHz	-15.07 dBm		

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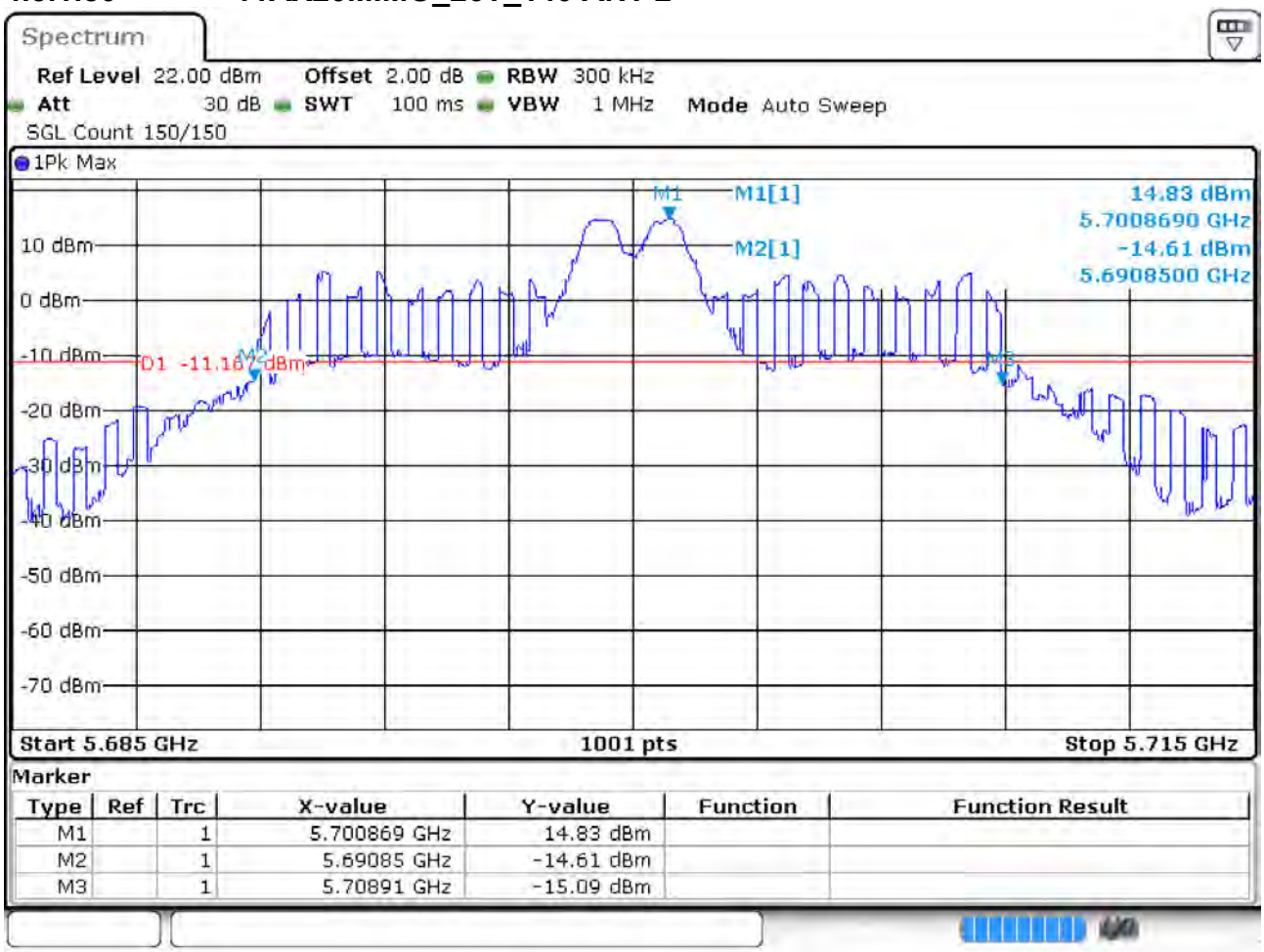
4.5.1.80 11AX20MIMO_26T_140 ANT 2



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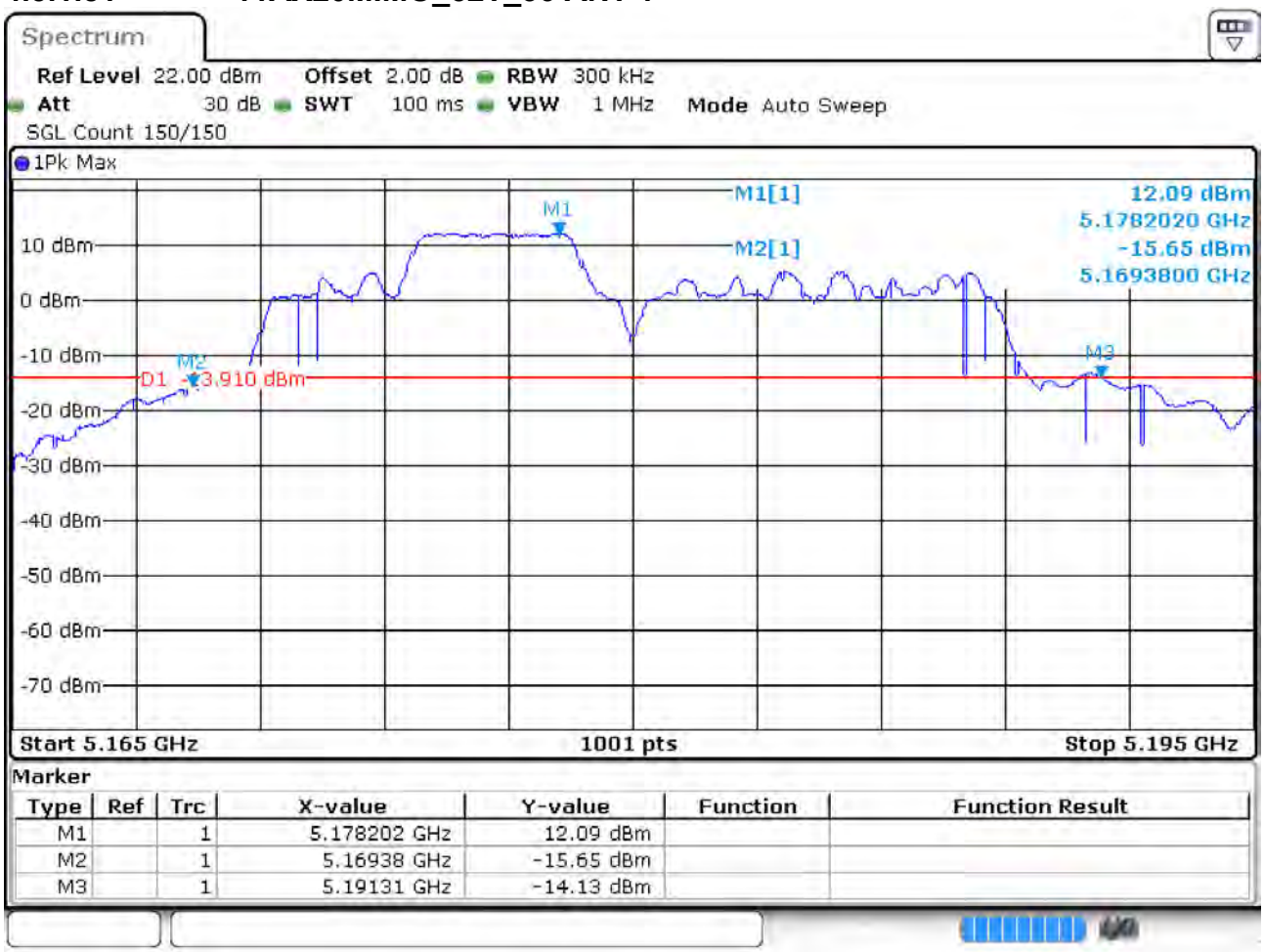
4.5.1.81 11AX20MIMO_52T_36 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.178202 GHz	12.09 dBm		
M2		1	5.16938 GHz	-15.65 dBm		
M3		1	5.19131 GHz	-14.13 dBm		

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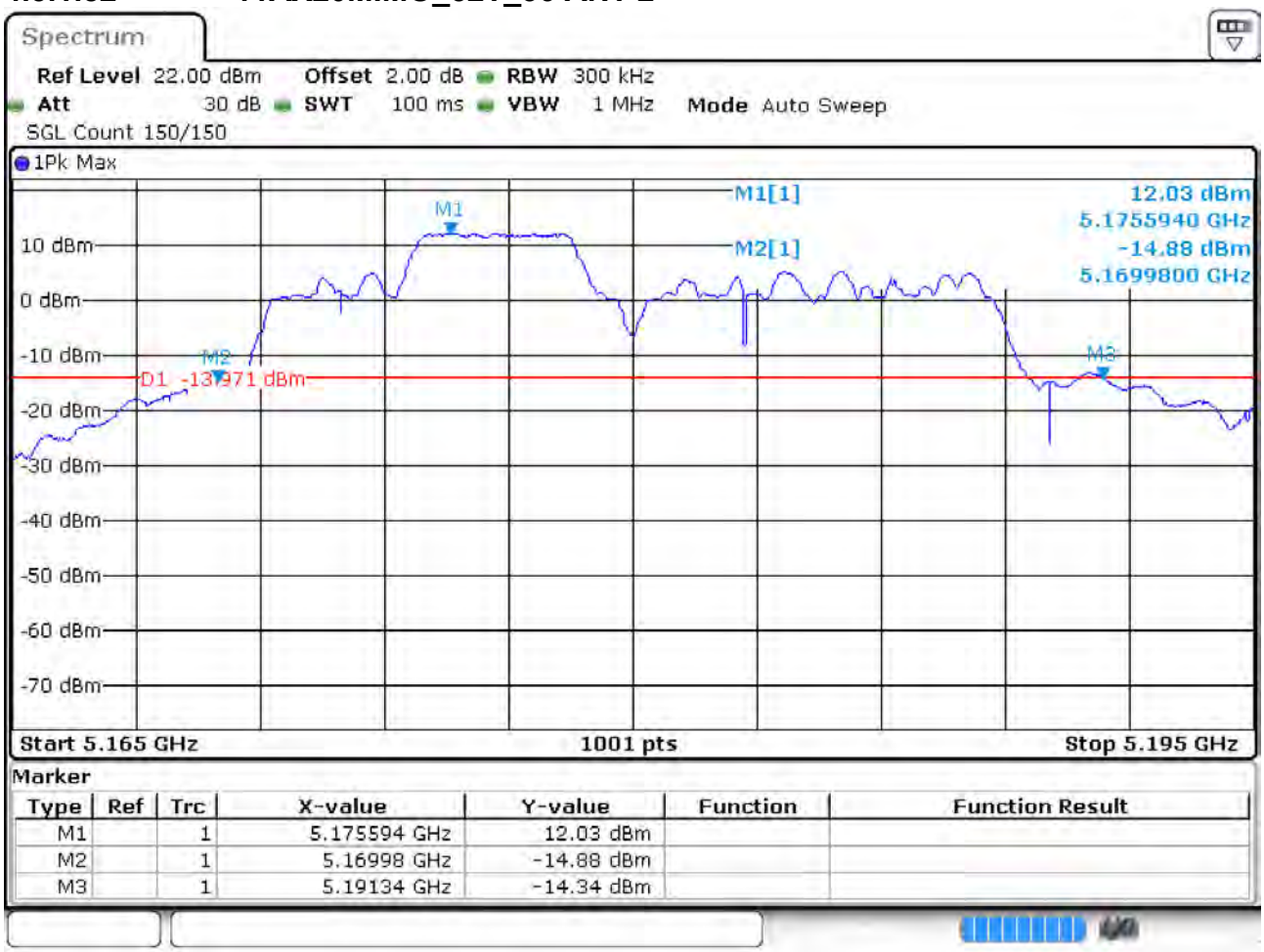
4.5.1.82 11AX20MIMO_52T_36 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.175594 GHz	12.03 dBm		
M2		1	5.16998 GHz	-14.88 dBm		
M3		1	5.19134 GHz	-14.34 dBm		

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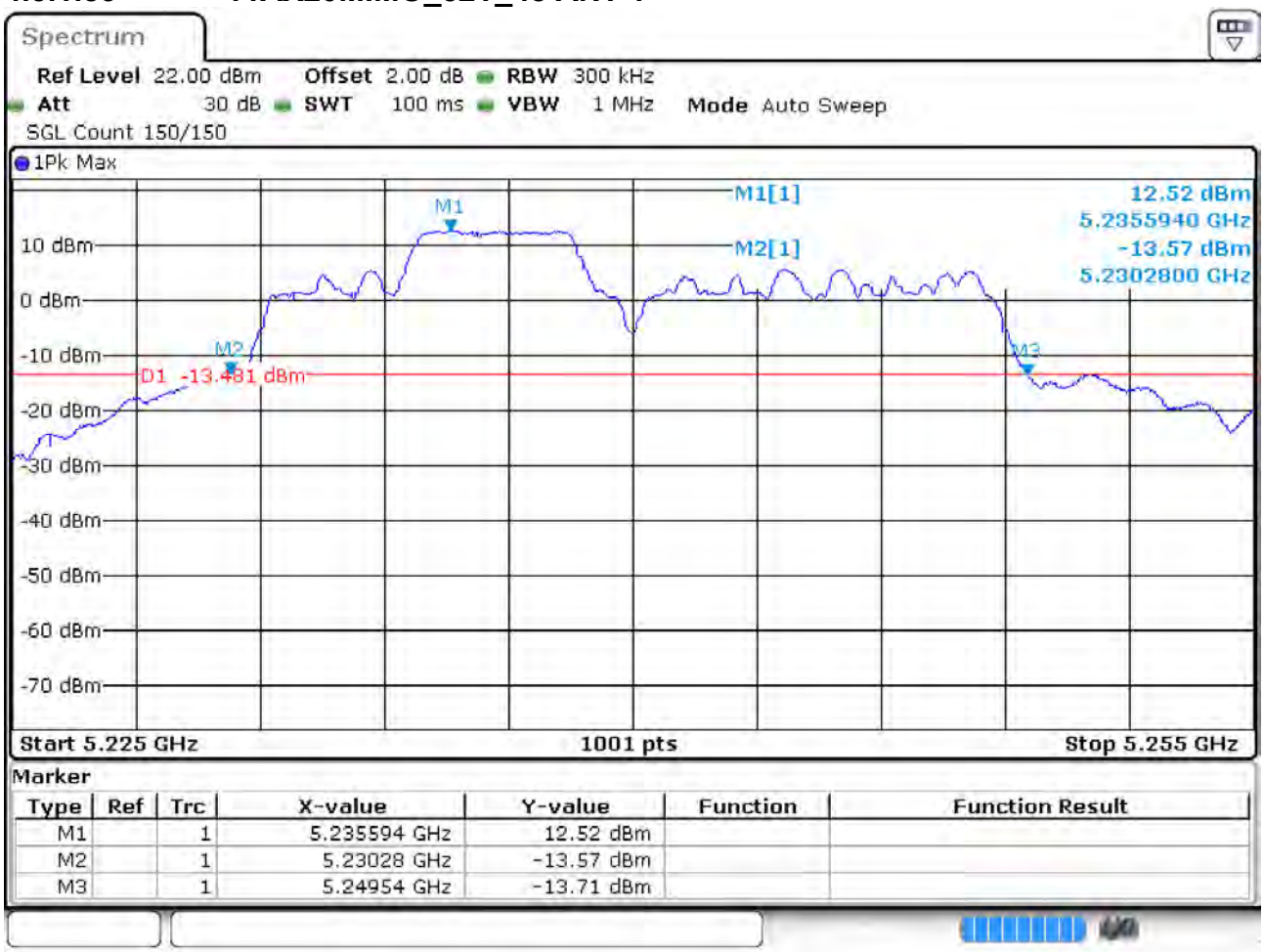
4.5.1.83 11AX20MIMO_52T_48 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.235594 GHz	12.52 dBm		
M2		1	5.23028 GHz	-13.57 dBm		
M3		1	5.24954 GHz	-13.71 dBm		

Date: 11.APR.2020 08:12:56

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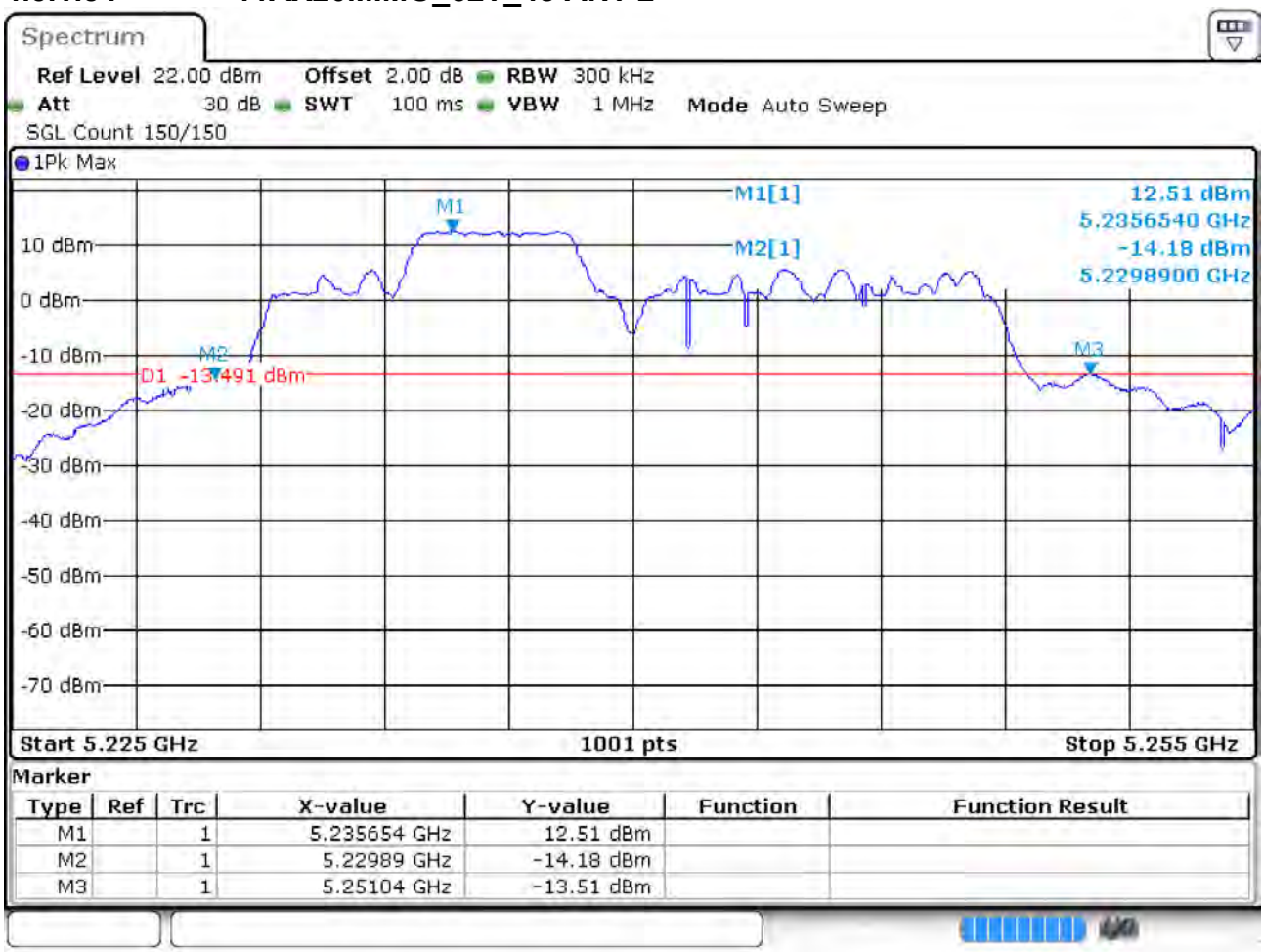
4.5.1.84 11AX20MIMO_52T_48 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.235654 GHz	12.51 dBm		
M2		1	5.22989 GHz	-14.18 dBm		
M3		1	5.25104 GHz	-13.51 dBm		

Date: 11.APR.2020 08:41:51

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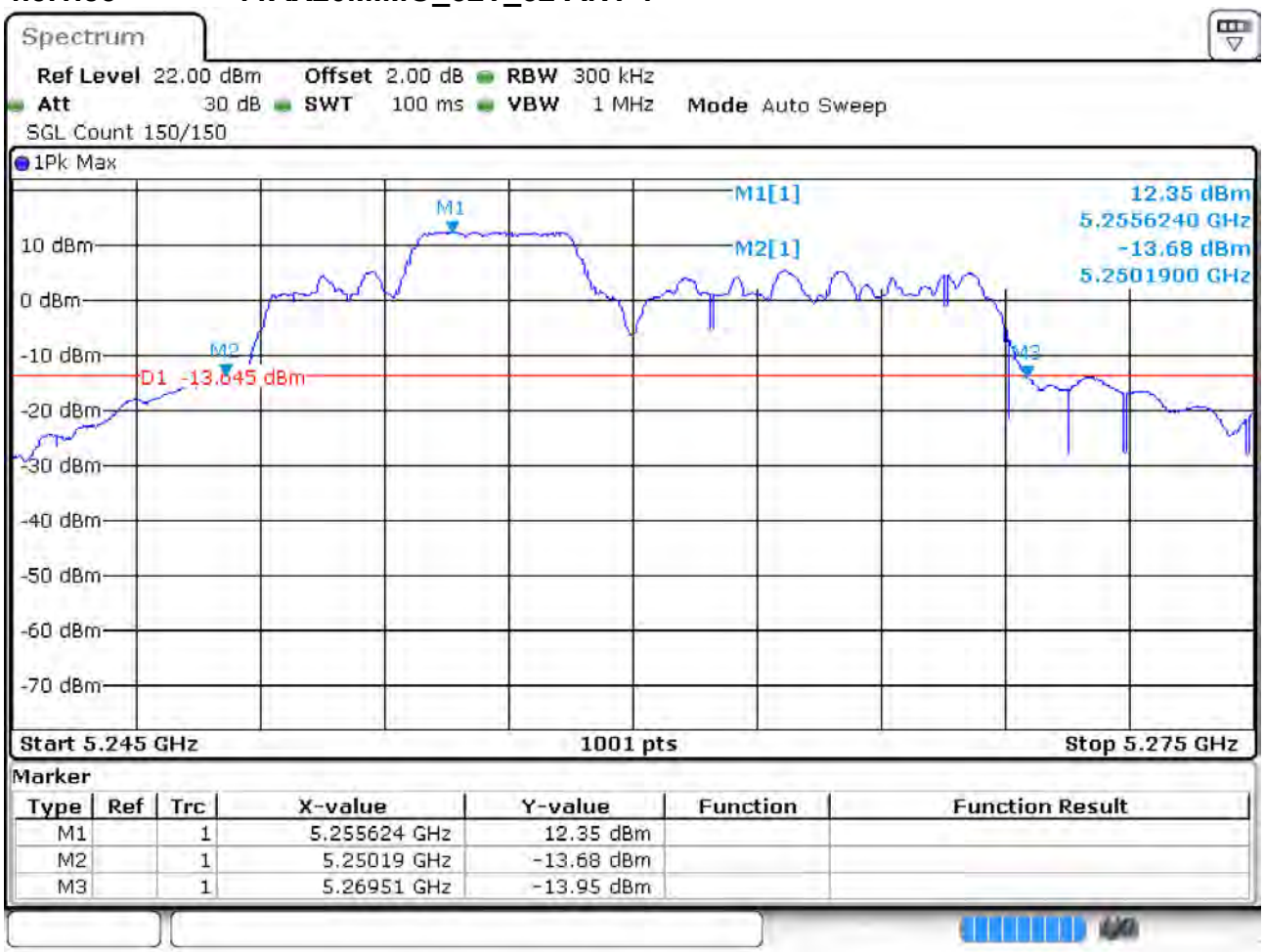
4.5.1.85 11AX20MIMO_52T_52 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.255624 GHz	12.35 dBm		
M2		1	5.25019 GHz	-13.68 dBm		
M3		1	5.26951 GHz	-13.95 dBm		

Date: 11.APR.2020 08:47:33

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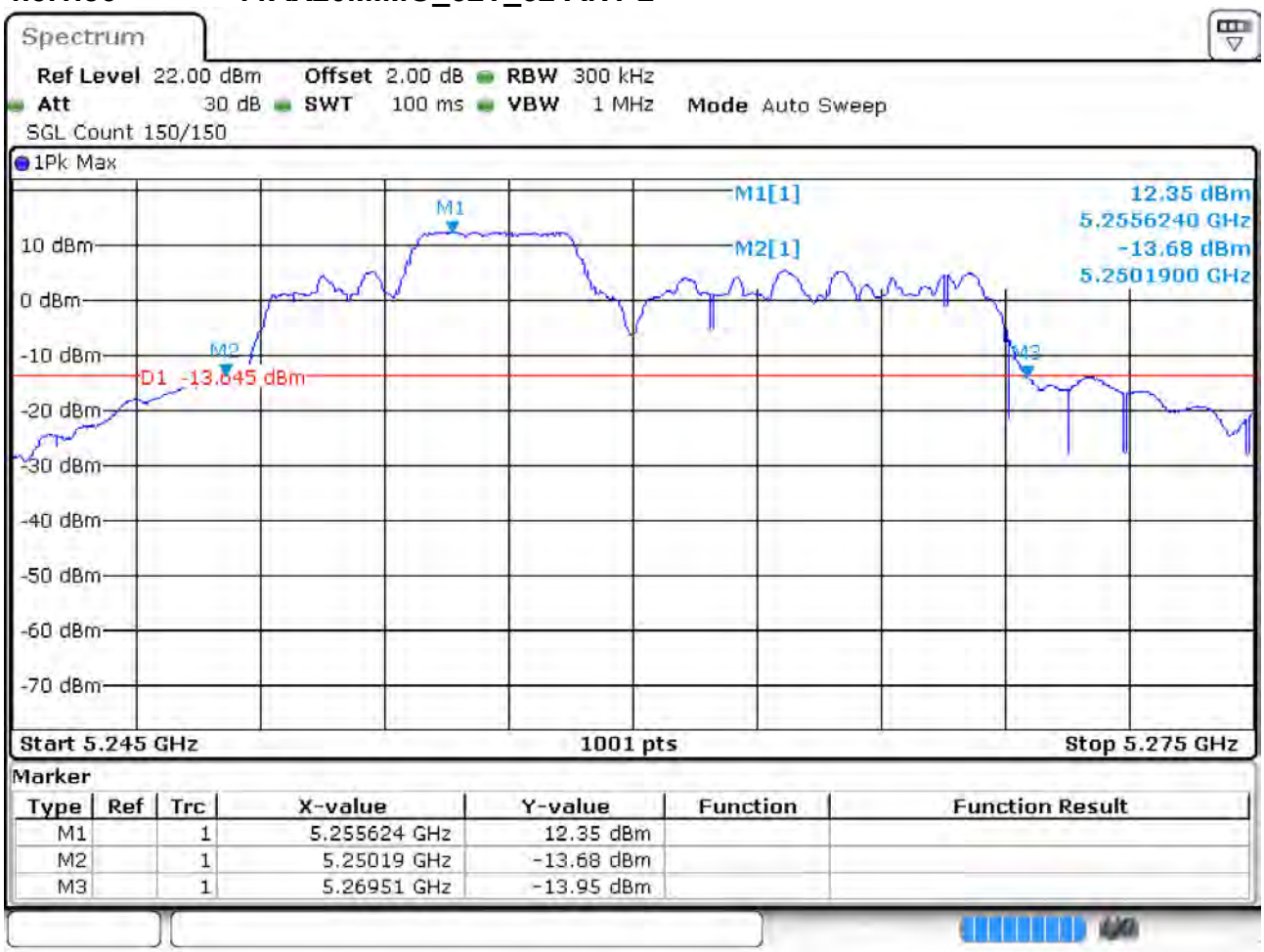
4.5.1.86 11AX20MIMO_52T_52 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.255624 GHz	12.35 dBm		
M2		1	5.25019 GHz	-13.68 dBm		
M3		1	5.26951 GHz	-13.95 dBm		

Date: 11.APR.2020 08:47:33

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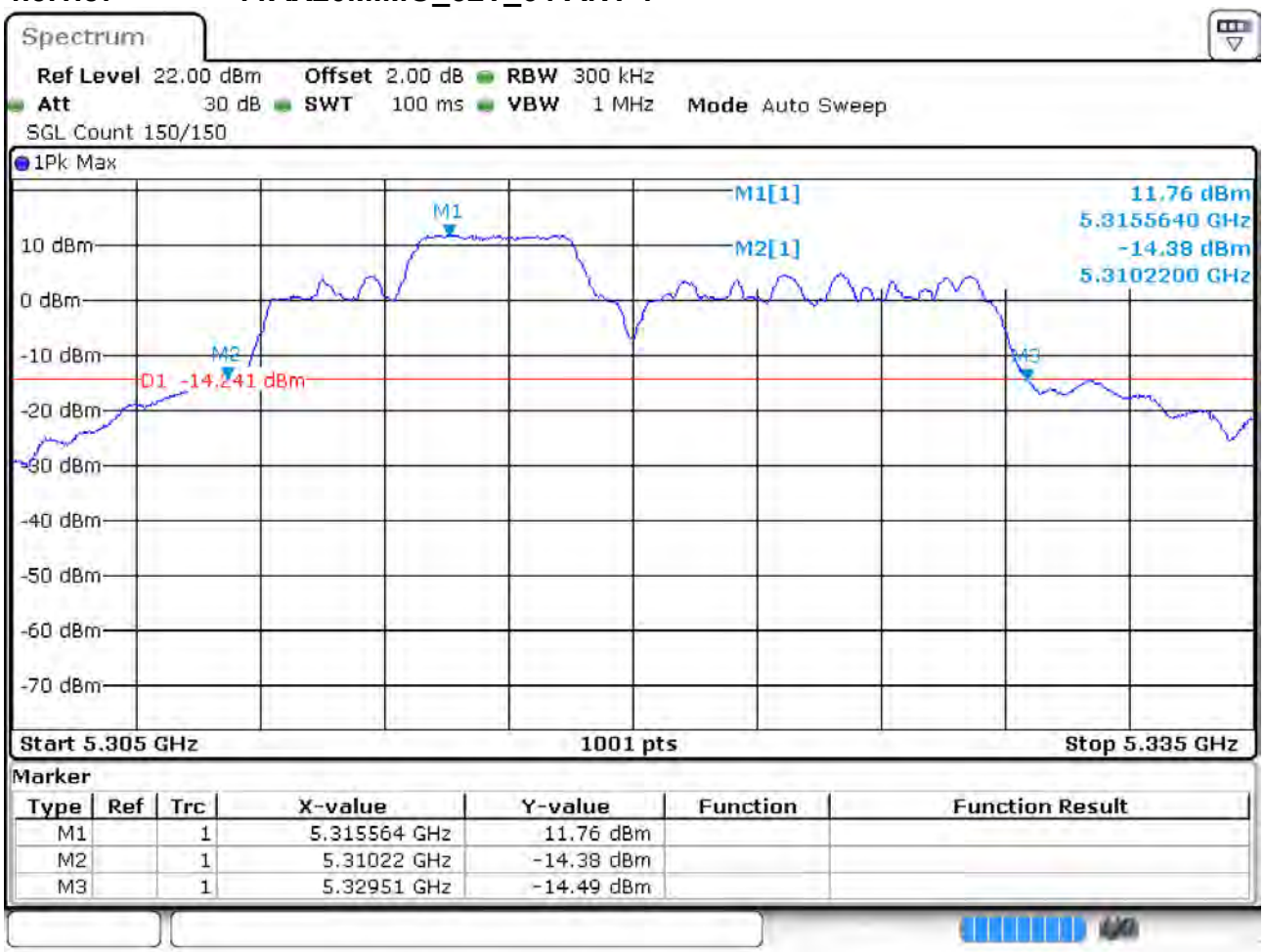
4.5.1.87 11AX20MIMO_52T_64 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.315564 GHz	11.76 dBm		
M2		1	5.31022 GHz	-14.38 dBm		
M3		1	5.32951 GHz	-14.49 dBm		

Date: 11.APR.2020 08:52:42

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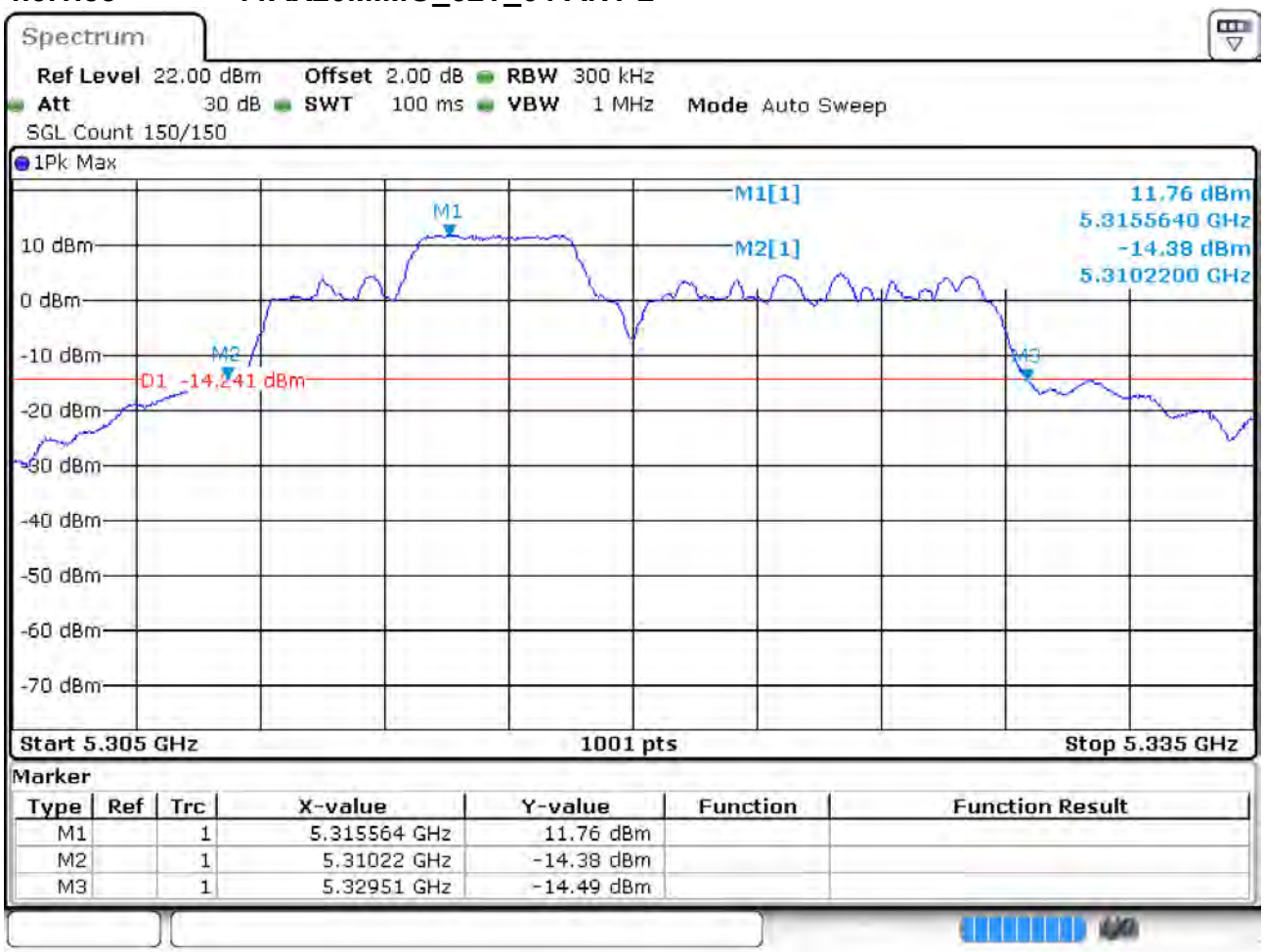
4.5.1.88 11AX20MIMO_52T_64 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.315564 GHz	11.76 dBm		
M2		1	5.31022 GHz	-14.38 dBm		
M3		1	5.32951 GHz	-14.49 dBm		

Date: 11.APR.2020 08:52:42

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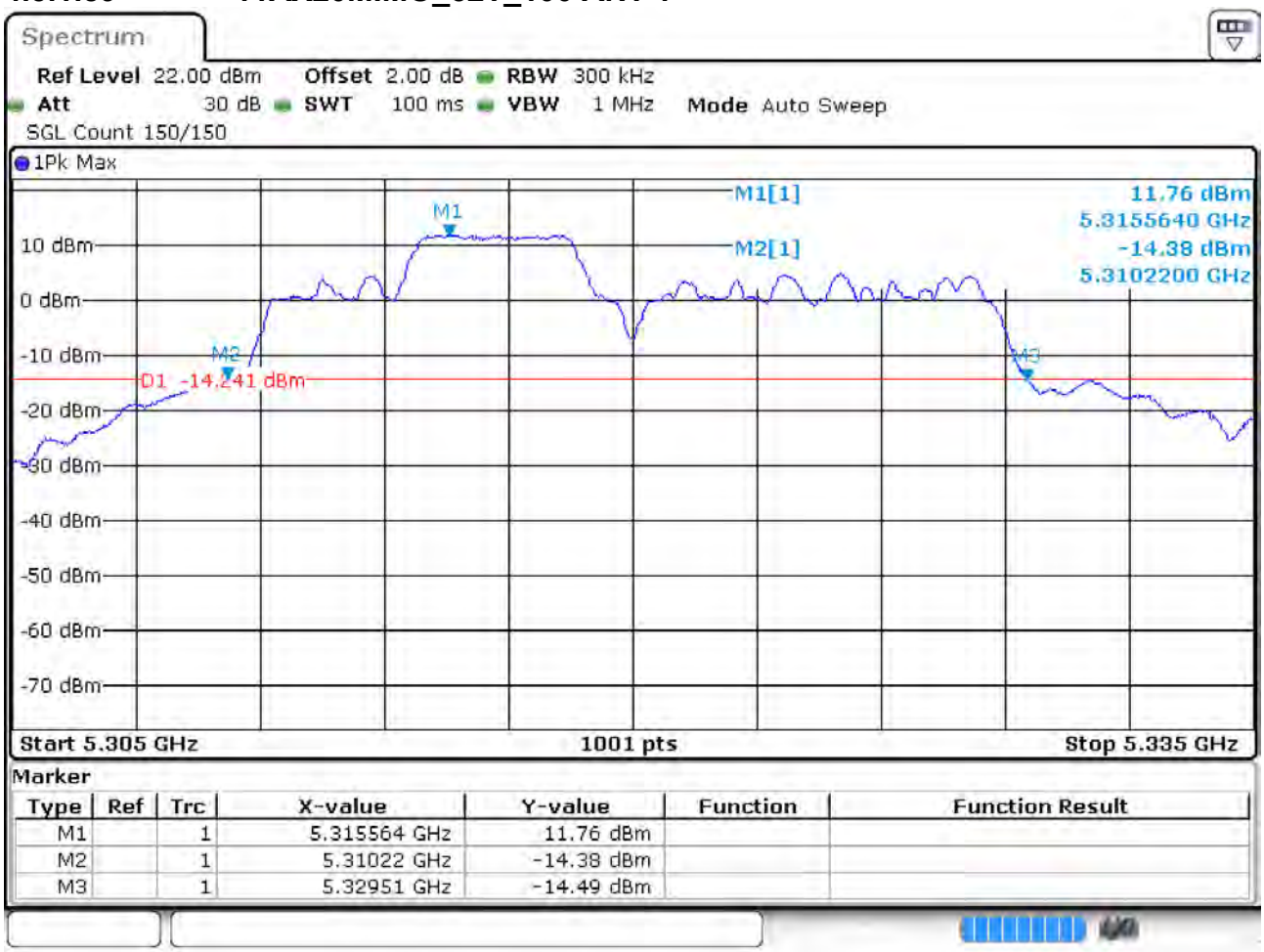
4.5.1.89 11AX20MIMO_52T_100 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.315564 GHz	11.76 dBm		
M2		1	5.31022 GHz	-14.38 dBm		
M3		1	5.32951 GHz	-14.49 dBm		

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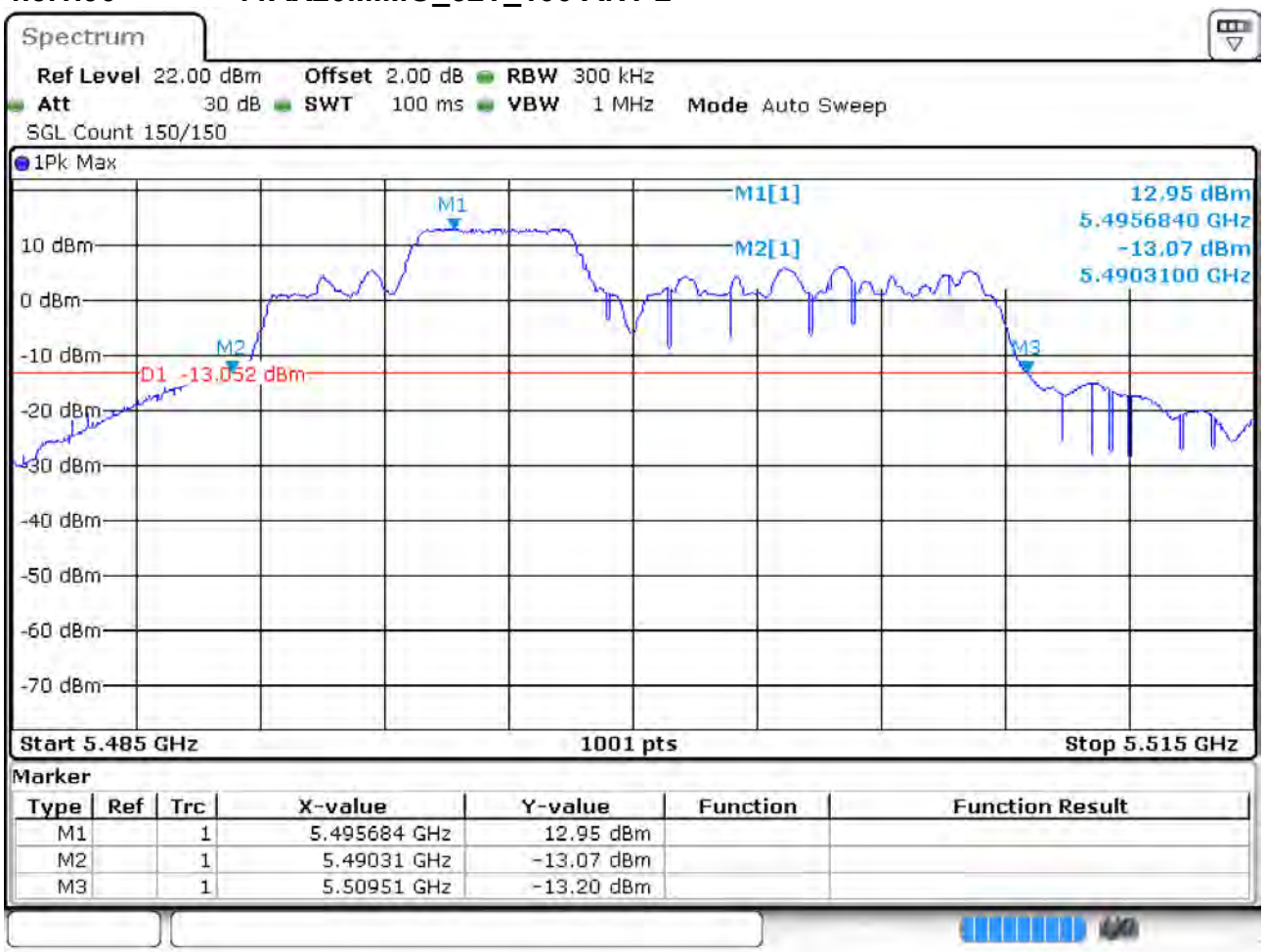
4.5.1.90 11AX20MIMO_52T_100 ANT 2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.495684 GHz	12.95 dBm		
M2		1	5.49031 GHz	-13.07 dBm		
M3		1	5.50951 GHz	-13.20 dBm		

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4.5.1.91 11AX20MIMO_52T_140 ANT 1

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.696793 GHz	12.17 dBm		
M2		1	5.69028 GHz	-13.87 dBm		
M3		1	5.70954 GHz	-14.19 dBm		

Date: 11.APR.2020 08:59:00

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4.5.1.92 11AX20MIMO_52T_140 ANT 2

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.696793 GHz	12.17 dBm		
M2		1	5.69028 GHz	-13.87 dBm		
M3		1	5.70954 GHz	-14.19 dBm		

Date: 11.APR.2020 08:59:00

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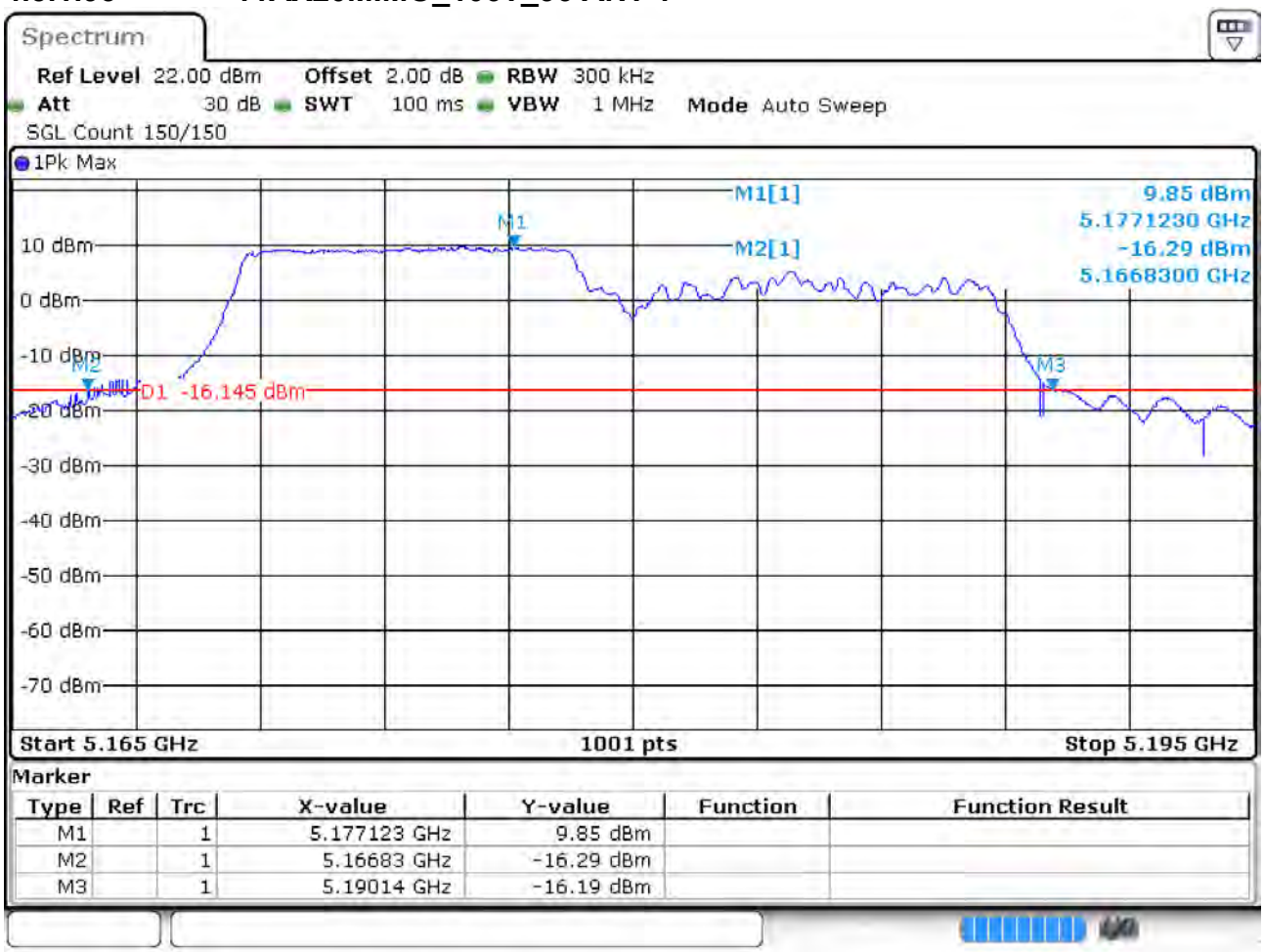
4.5.1.93 11AX20MIMO_106T_36 ANT 1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.177123 GHz	9.85 dBm		
M2		1	5.16683 GHz	-16.29 dBm		
M3		1	5.19014 GHz	-16.19 dBm		

Date: 11.APR.2020 09:09:14

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