

**SGS-CSTC Standards Technical Services Co., Ltd.**
Shenzhen BranchReport No.: ZEWM2312001976RG05
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TEST REPORT

Application No.: ZEWM2312001976RG
Applicant: Shenzhen Zhong Qing Chuang Technology Co.,Ltd
Address of Applicant: 5F Building D, No. 18 Guangyao Industrial Plant, Fourth Industrial Zone, Zhulongtian Road, Shuitian Community, Shiyao Street, Baoan District, Shenzhen
Manufacturer: Shenzhen Zhong Qing Chuang Technology Co.,Ltd
Address of Manufacturer: 5F Building D, No. 18 Guangyao Industrial Plant, Fourth Industrial Zone, Zhulongtian Road, Shuitian Community, Shiyao Street, Baoan District, Shenzhen
EUT Description: Tablet
Model No.: ZQC-P1,T1,P2,M104, M105, M107, M108, M109, M115, M116, M118, M119, M20, H717, H719, H720, H80, H815, H816, H818.
Trade Mark: Interpad
FCC ID: 2BBQH-P2
Standards: FCC 47 CFR Part 2, Subpart J
FCC 47 CFR Part 15, Subpart E
Date of Receipt: 2024/01/15
Date of Test: 2024/01/16 to 2024/01/29
Date of Issue: 2024/02/23

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:

Keny Xu
Laboratory Manager

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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024/02/23		Original

Prepared By	Jack Huang (Jack Huang) / Test Engineer
Checked By	Flora Wang (Flora Wang) / Reviewer



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2 Test Summary

Test Item	Band ^[1]	FCC rules No.	Test Requirements	Test Result	Result
Antenna Requirement	--	15.203/15.407(a)	--	Clause 4.1	PASS
26dB Emission Bandwidth	Band I	15.407(a)(1)	No limit.	Clause 4.5	For Report Purpose
6dB Emission Bandwidth	Band III	15.407(e)	≥ 500 kHz.	Clause 4.6	PASS
99% Occupied Bandwidth	Band I	KDB 789033 D02§ D	No limit.	Clause 4.7	For Report Purpose
	Band III				
Duty Cycle	Band I Band III	--	No limit.	Clause 4.3	For Report Purpose
Maximum Conducted Output Power	Band I	15.407(a)(iv)	< 250mW	Clause 4.4	PASS
	Band III	15.407(a)(3)	< 1W		
Maximum Power Spectral Density	Band I	15.407(a)(iv)	<11dBm/MHz	Clause 4.8	PASS
	Band III	15.407(a)(3)	<30dBm/500KHz		
Radiated Spurious Emissions	Band I	15.407(b) 15.205/15.209	F<1GHz: §15.209 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 limit (AV&PK).	Clause 4.9	PASS
	Band III	15.407(b) 15.205/15.209	F<1GHz: §15.209 limit (QP) F≥1GHz & out-restricted:(PK) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. F≥1GHz & in-restricted: §15.209 limit (AV&PK).		PASS



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Restricted bands around fundamental frequency	Band I Band III	15.407(b) 15.205/15.209	---	Clause 4.10	PASS
AC Power Line Conducted Emissions	Band I Band III	15.207	---	Clause 4.2	PASS
Frequency Stability	Band I Band III	15.407(g)	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual	N/A	N/A
Note 1: Band I: 5150-5250MHz Band III: 5725-5850MHz					

Remark:

Only the Model No.(ZQC-P1) was tested in this report. According to the Declaration letter from client, the Model No. :T1,P2,M104, M105, M107, M108, M109, M115, M116, M118, M119, M20, H717, H719, H720, H80, H815, H816, H818, just the model name is different, all other functions are the same.



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3 General Information

3.1 Details of Client

Applicant:	Shenzhen Zhong Qing Chuang Technology Co.,Ltd
Address of Applicant:	5F Building D, No. 18 Guangyao Industrial Plant, Fourth Industrial Zone, Zhulongtian Road, Shuitian Community, Shiyan Street, Baoan District, Shenzhen
Manufacturer:	Shenzhen Zhong Qing Chuang Technology Co.,Ltd
Address of Manufacturer:	5F Building D, No. 18 Guangyao Industrial Plant, Fourth Industrial Zone, Zhulongtian Road, Shuitian Community, Shiyan Street, Baoan District, Shenzhen

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, Nanshan District, Shenzhen, Guangdong, China
Post code:	518057
Test engineer:	Jinhua Wei, Xing Guo

3.3 Test Facility

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

• **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch 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.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

• **FCC –Designation Number: CN1336**

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

Designation Number: CN1336.

Test Firm Registration Number: 787754



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3.4 General Description of EUT

EUT Description:	Tablet	
Model No.:	ZQC-P1,T1,P2,M104, M105, M107, M108, M109, M115, M116, M118, M119, M20, H717, H719, H720, H80, H815, H816, H818.	
Trade Mark:	Interpad	
Hardware Version:	M9-S1-V2-SU	
Software Version:	M9S1V2.2023121811	
Power Supply:	Lithium Battery (3.8V)	
IMEI:	RF Conducted	IMEI 1: 861004028419430
	RSE & AC power line	IMEI 1: 869195045217948 IMEI 2: 860335896862363
WLAN Mode Supported:	802.11a:	20 MHz channel bandwidth
	802.11n:	20 MHz / 40 MHz channel bandwidth
	802.11ac:	20 MHz / 40 MHz / 80 MHz channel bandwidth
Operation Frequency:	5150MHz to 5250MHz 5725MHz to 5850MHz	
Modulation Type:	802.11a:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11n:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11ac:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	20MHz:	802.11a/n(HT20)/ac(VHT20)
	40MHz:	802.11n(HT40)/ac(VHT40)
	80MHz:	802.11ac(VHT80)
Antenna Type:	FPC Antenna	
Antenna Gain:	5150MHz to 5250MHz: 1.36dBi (Ant3) 5725MHz to 5850MHz: 1.85dBi (Ant3)	
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.	
Smart System:	☒ SISO	802.11a/n/ac
	☐ MIMO	CDD: 802.11a/n/ac: Tx & Rx
		STBC: 802.11n/ac: Tx & Rx
		TXBF: 802.11n/ac: Tx & Rx
	☐ Diversity	802.11a: Tx & Rx
RF Cable:	4900MHz ~5250MHz (1.5dB)	5725MHz ~ 5850MHz (1.5dB)
Remark:	As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy,	



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suitability, reliability or/and integrity of the information.		
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 over which device operates	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

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

For UNII Band III:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac 80MHz	The Middle channel	5775



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3.5 Test Environment and Mode

Environment Parameter	101.0 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~23	3.8
Remark: NV: Normal Voltage NT: Normal Temperature		

3.6 Description of Support Units

The EUT has been tested as an independent unit.

3.7 Worst-case configuration and mode

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. Following are the worst-case data rates set for test:

Modulation Type	SISO - Data Rate	MIMO - Data Rate
802.11a	6 Mbps	/
802.11n (HT 20)	MCS0 (6.5 Mbps)	/
802.11n (HT 40)	MCS0 (13.5 Mbps)	/
802.11ac (VHT 20)	MCS0 (6.5 Mbps)	/
802.11ac (VHT 40)	MCS0 (13.5 Mbps)	/
802.11ac (VHT 80)	MCS0 (29.3 Mbps)	/



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4 Test results and Measurement Data

4.1 Antenna Requirement

Standard requirement:	47 CFR Part 15 Section 15.203
The antenna is FPC Antenna and no consideration of replacement. The best case gain of the antenna is 5150MHz to 5250MHz: 1.36dBi (Ant3);* 5725MHz to 5850MHz: 1.85dBi (Ant3);* <i>*Note:</i> <i>The antenna gain are derived from the gain information report provided by the manufacturer.</i> <i>Remark:</i> <i>As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.</i>	



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Shenzhen Branch (Wired & Wireless Laboratory)

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4.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15 Section 15.207		
Test Method:	ANSI C63.10: 2013 Section 6.2		
Test Frequency Range:	150kHz to 30MHz		
Receiver Setup:	RBW = 9kHz, VBW = 30kHz		
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. Charge + Transmitting mode.
Final Test Mode:	Refer to section 3.7 for details. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details.
Test Results:	Pass



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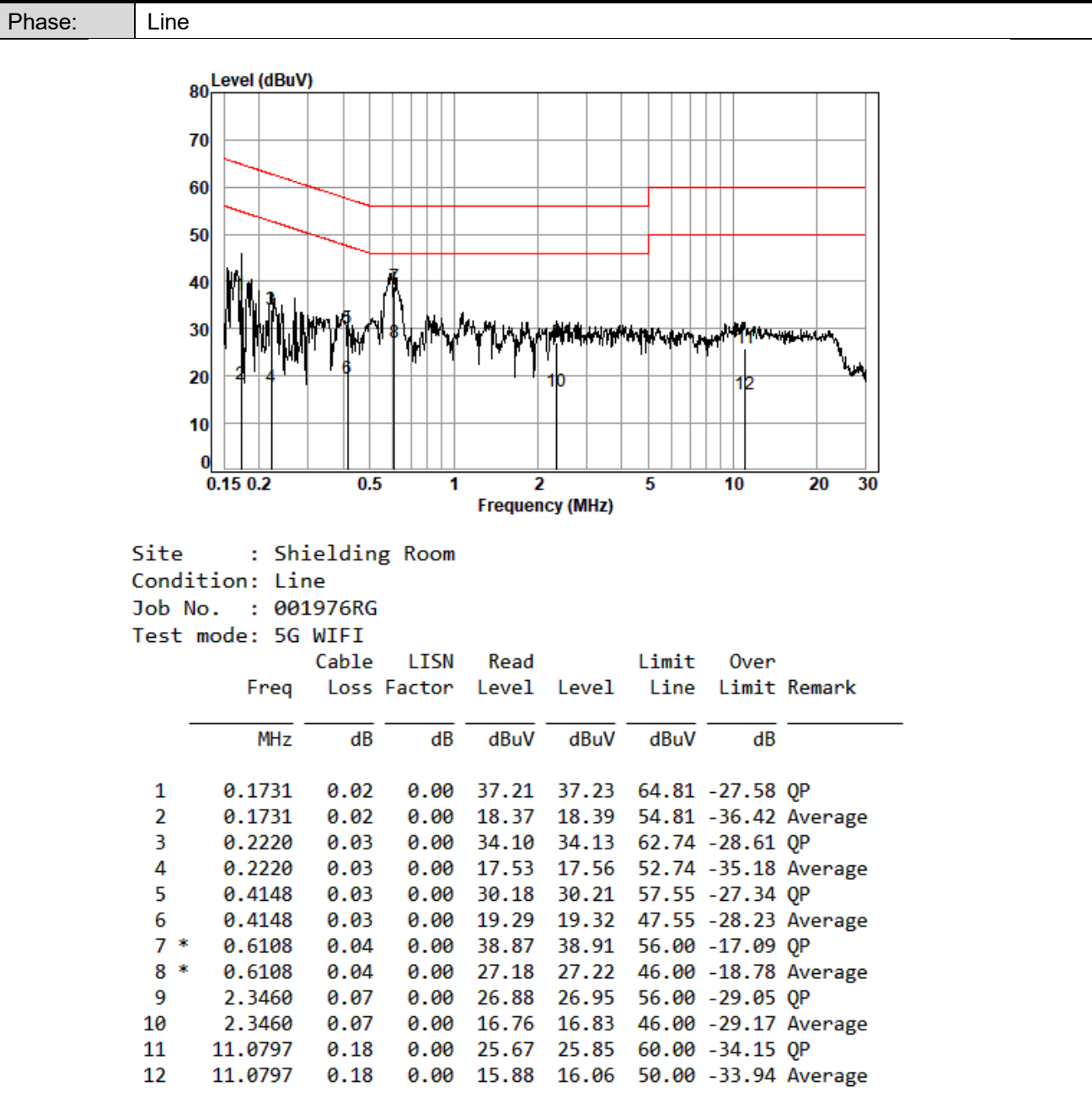


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Measurement Data

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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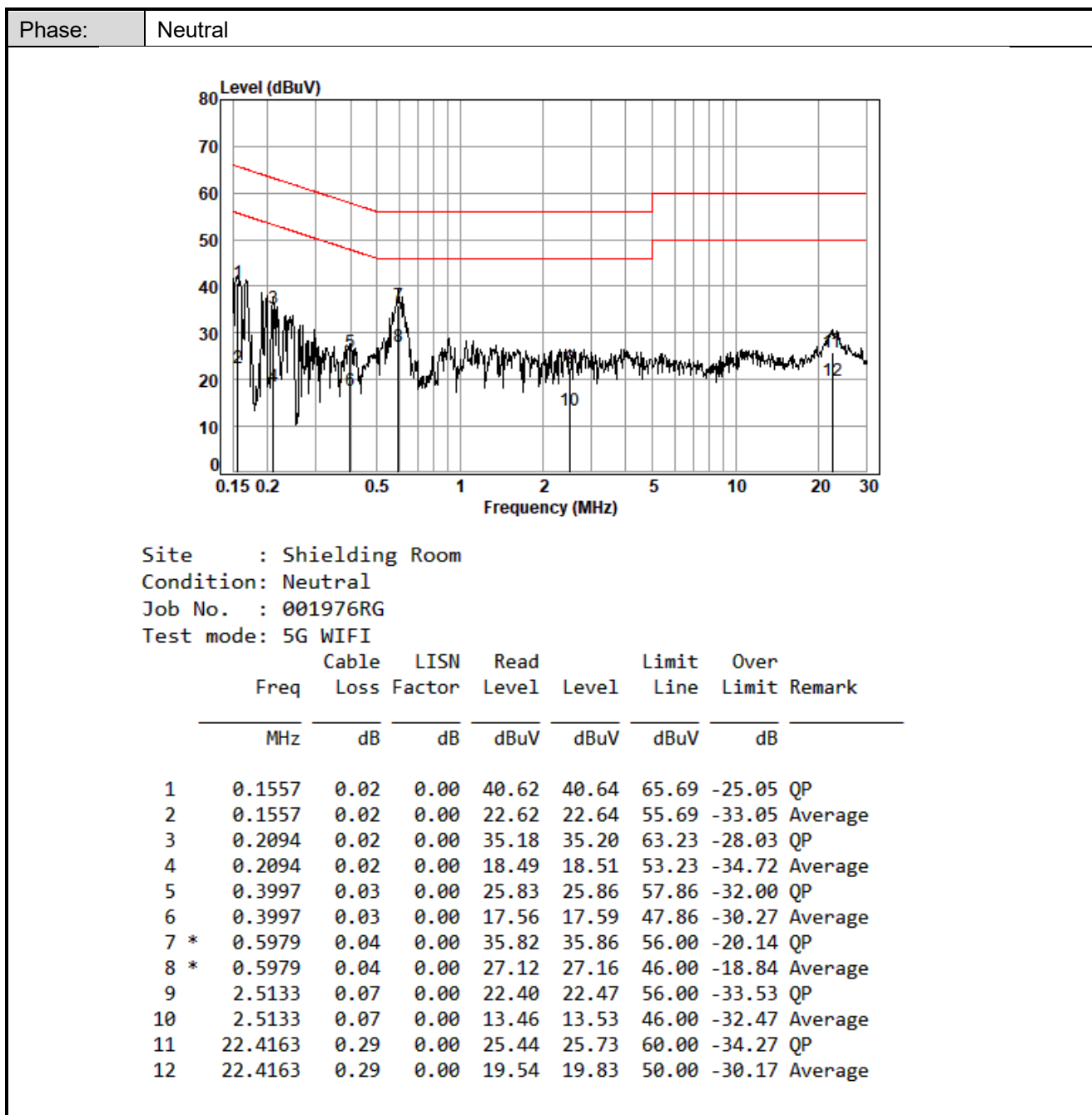
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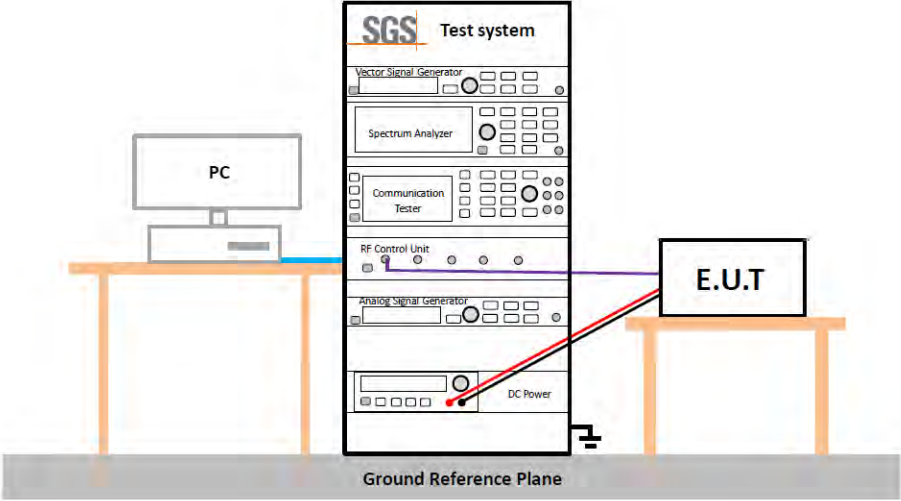
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4.3 Duty Cycle

Test Requirement:	ANSI C63.10 :2013 Section 12.2
Test Method:	ANSI C63.10 :2013 Section 12.2
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Refer to section 3.7 for details.
Limit:	No restriction limits
Test Results:	For report purpose
The detailed test data see: Appendix	



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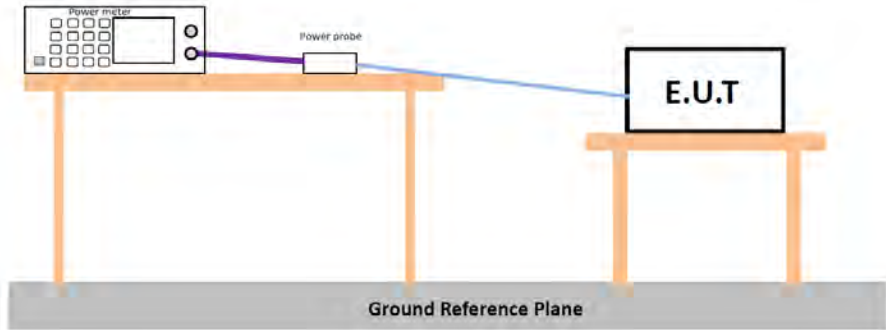
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4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10 :2013 Section 12.3.3.2	
Test Setup:	 * Test with power meter (Detector function: Average) Method PM-G is measurement using a gated RF average power meter. Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.	
Test Instruments:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	Frequency Band	Limit
	5150-5250MHz	Not exceed 250mW(23.98dBm)
	5725-5850MHz	Not exceed 1W(30dBm)
Test Results:	Pass	
The detailed test data see: Appendix		



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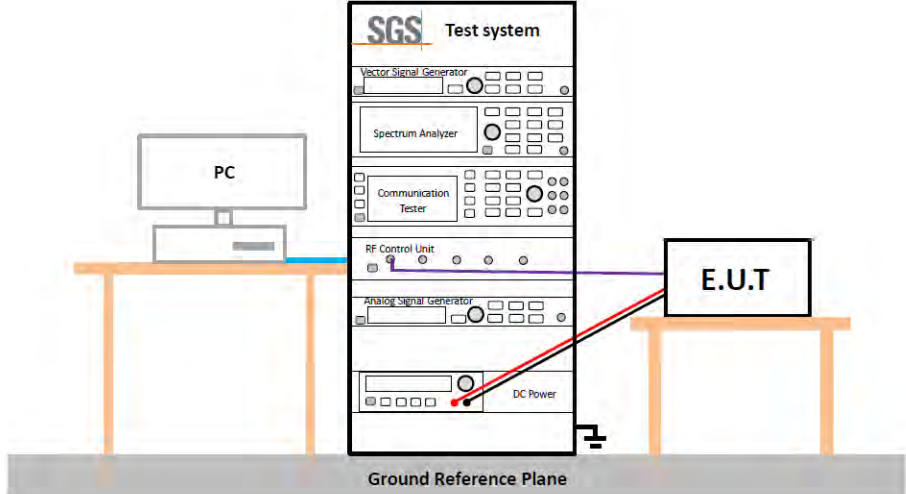
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4.5 26dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a), KDB 789033 D02& C
Test Method:	ANSI C63.10: 2013 Section 12.4.1
Test Setup:	
Instruments Used:	Refer to section 6 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Refer to section 3.7 for details.
Limit:	No restriction limits
Test Results:	For report purpose
The detailed test data see: Appendix	



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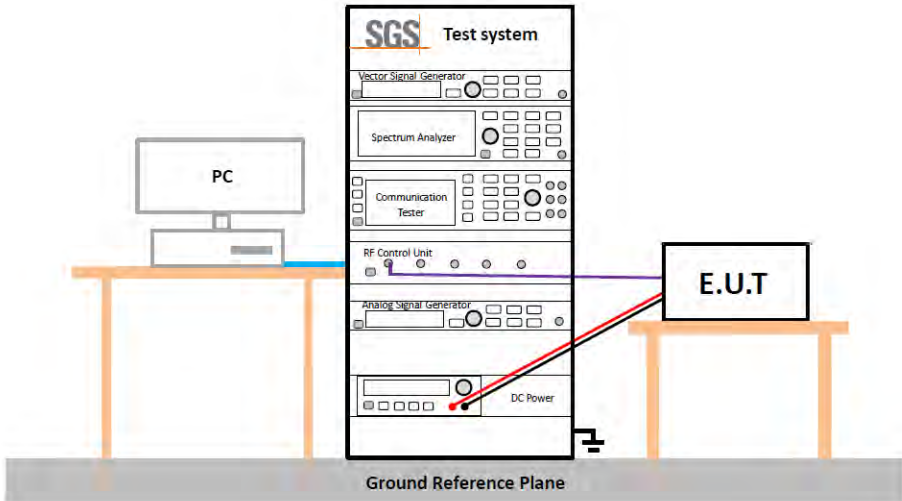
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4.6 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013 Section 12.4.1	
Test Setup:		
Test Instruments:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	
The detailed test data see: Appendix		



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4.7 99% Occupied Bandwidth

Test Requirement:	KDB 789033 D02§ D
Test Method:	ANSI C63.10: 2013 Section 12.4.2
Test Setup:	
Instruments Used:	Refer to section 6 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Refer to section 3.7 for details.
Limit:	No restriction limits
Test Results:	For report purpose
The detailed test data see: Appendix	



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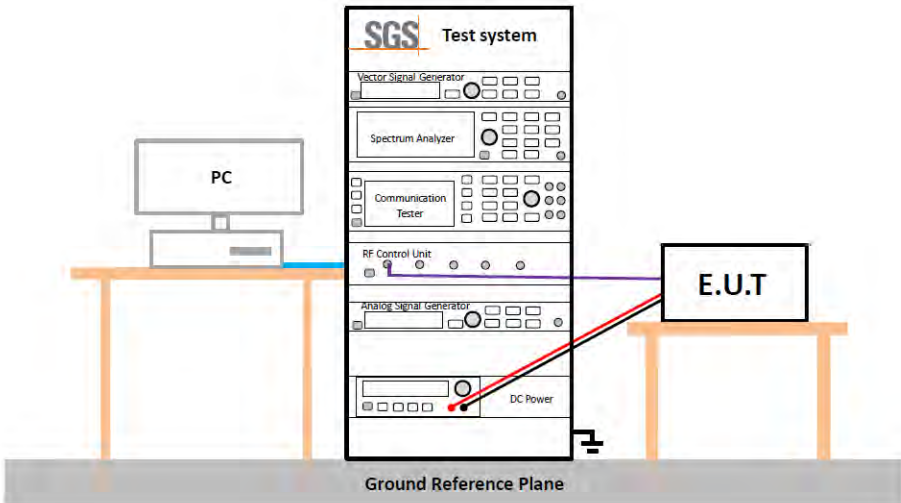
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4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)		
Test Method:	ANSI C63.10: 2013 Section 12.5 KDB 789033 D02 v02r01, Section F.		
Test Setup:			
Instruments Used:	Refer to section 6 for details.		
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates		
Final Test Mode:	Refer to section 3.7 for details.		
Limit:	Frequency Band	Limit	
	5150-5250MHz	The power spectral density less than 11dBm/1MHz	
	5725-5850MHz	The power spectral density less than <30dBm/500KHz	
Test Results:	Pass		
The detailed test data see: Appendix			



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4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.205 and 15.209
Test Method:	ANSI C63.10: 2013 Section 6.4 / 6.5 / 6.6
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)
Test frequency:	9kHz ~ 40GHz(or 10 Harmonic)

Test Setup:

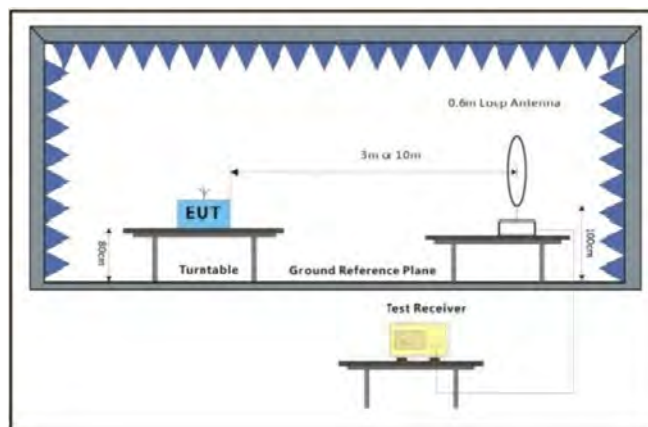


Figure 1. 9kHz to 30MHz

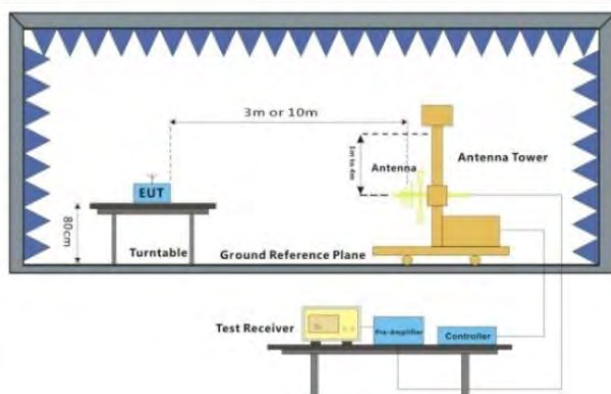


Figure 1. 30MHz to 1GHz

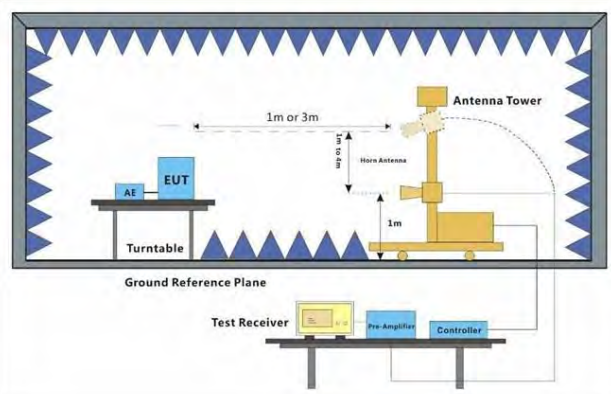


Figure 2. Above 1 GHz

Test Procedure:	a. For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. (Distance from antenna to EUT is 1m for measurements >18GHz). c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground
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	to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the Z axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete. j. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported k. The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. l. At a measurement distance of 1 meter the limit line was increased by $20 \cdot \log(3/1) = 9.54$ dB.
Test Configuration:	Measurements below 30MHz • RBW = 10 kHz • VBW = 30 kHz • Detector = Peak & Average & Quasi-peak • Trace mode = max hold Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • Detector = Quasi-peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq$ 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • RBW = 1 MHz • VBW = 10Hz, when duty cycle is no less than 98 percent. • VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.
Final Test Mode:	Refer to section 3.7 for details.



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	For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details.
Test Results:	Pass
The detailed test data see: Appendix	



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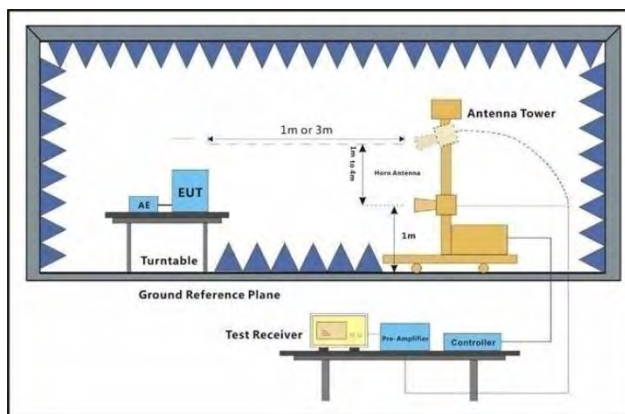
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4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013 Section 12.7		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test Setup:



Test Procedure:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel



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	g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the Z axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Test Configuration:	Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • Detector = Quasi-peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq$ 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • RBW = 1 MHz • VBW = 10Hz, when duty cycle is no less than 98 percent. • VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.
Final Test Mode:	Refer to section 3.7 for details.
Instruments Used:	Refer to section 6 for details.
Test Results:	Pass
The detailed test data see: Appendix	



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

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	$\pm 0.41\text{dB}$
2	RF power density, conducted	$\pm 1.96\text{dB}$
3	Spurious emissions, conducted	$\pm 0.41\text{dB}$
4	Radio Frequency	$\pm 7.10 \times 10^{-8} \text{ GHz}$
5	Duty Cycle	$\pm 0.49\%$
6	Occupied Bandwidth	$\pm 0.2\%$
7	Conducted Emissions at Mains Terminals (150kHz-30MHz)	$\pm 3.0\text{dB}$
8	Radiated Spurious emission test(UE)	$\pm 4.8\text{dB}$ (30MHz-1GHz)
		$\pm 4.68\text{dB}$ (1GHz-6GHz)
		$\pm 4.52\text{dB}$ (6GHz-18GHz)
		$\pm 5.26\text{dB}$ (18GHz-40GHz)

Remark:
The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results
 – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
 – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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6 Equipment List

RF Test System					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	SZ-WRG-M-032	2023/02/17	2024/02/16
Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-012	2023/02/16	2024/02/15
DC power supply	HYELEC	HY3005B	SZ-WRG-M-044	2023/09/14	2024/09/13
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	SZ-WRG-M-033	2023/02/16	2024/02/15
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SZ-WRG-M-017	2023/12/21	2024/12/20
Signal Generator	KEYSIGHT	N5182A	SZ-WRG-M-041	2023/02/16	2024/02/15
Power Meter	Agilent	ML2495A	SZ-WSR-M-022	2023/12/21	2024/12/20
Power Sensor	Agilent	MA2411B	SZ-WSR-M-023	2023/12/21	2024/12/20

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022/05/14	2025/05/13
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023/03/20	2024/03/19
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	NCR	NCR
Coaxial Cable	SGS	N/A	SEM024-01	2023/07/07	2024/07/06
LISN	Rohde&Schwarz	ENV216	SEM007-01	2023/09/19	2024/09/18
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023/03/20	2024/03/19



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Radiated spurious emissions					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
EMI TEST RECEIVER	Rohde & Schwarz	ESR	SZ-WRG-M-047	2023/02/16	2024/02/15
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2023/02/16	2024/02/15
Low Noise Amplifier 9K-3GHz	Tonscend	TAP9K3G32	SZ-WRG-M-049	2023/02/16	2024/02/15
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2023/02/16	2024/02/15
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2023/02/16	2024/02/15
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2023/02/16	2024/02/15
Active Loop Antenna 9kHz-30MHz	SCHWARZBECK	FMZB 1519B	SZ-WRG-M-053	2023/12/25	2024/12/24
TRILOG Breitband Antenne 30MHz-1GHz	SCHWARZBECK	VULB 9168	SZ-WRG-M-054	2023/12/25	2024/12/24
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023/12/21	2024/12/20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023/12/25	2024/12/24
RSE Test Software	Tonscend	JS32-RSE V4.0.0	SZ-WRG-S-058	NCR	NCR
RE Test Software	Tonscend	JS32-RE V4.0.0	SZ-WRG-S-059	NCR	NCR
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2022/01/05	2025/01/04
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	SZ-WRG-M-022	2023/02/17	2024/02/16
Spectrum Analyzer	Keysight	N9020A	SZ-WRG-M-002	2023/09/14	2024/09/13

Remark: NCR=No Calibration Requirement.



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7 Photographs - Setup Photos

Refer to Appendix A.1 WLAN Setup Photos.



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Appendix



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Emission Bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11a	Ant3	5180	20.24	5169.80	5190.04	For Report Purpose
		5220	20.28	5209.88	5230.16	
		5240	20.28	5229.84	5250.12	
		5745	20.12	5734.92	5755.04	
		5785	20.12	5774.92	5795.04	
		5825	20.04	5814.96	5835.00	
11n20SISO	Ant3	5180	20.44	5169.76	5190.20	
		5220	20.68	5209.56	5230.24	
		5240	20.48	5229.72	5250.20	
		5745	20.40	5734.80	5755.20	
		5785	20.60	5774.60	5795.20	
		5825	20.40	5814.76	5835.16	
11n40SISO	Ant3	5190	41.04	5169.44	5210.48	
		5230	40.88	5209.52	5250.40	
		5755	40.88	5734.60	5775.48	
		5795	40.96	5774.44	5815.40	
11ac20SISO	Ant3	5180	20.44	5169.80	5190.24	
		5220	20.44	5209.72	5230.16	
		5240	20.52	5229.72	5250.24	
		5745	20.56	5734.68	5755.24	
		5785	20.68	5774.64	5795.32	
		5825	20.60	5814.72	5835.32	
11ac40SISO	Ant3	5190	40.72	5169.68	5210.40	
		5230	41.20	5209.44	5250.64	
		5755	41.20	5734.12	5775.32	
		5795	40.72	5774.60	5815.32	
11ac80SISO	Ant3	5210	81.44	5169.20	5250.64	
		5775	81.44	5734.20	5815.64	



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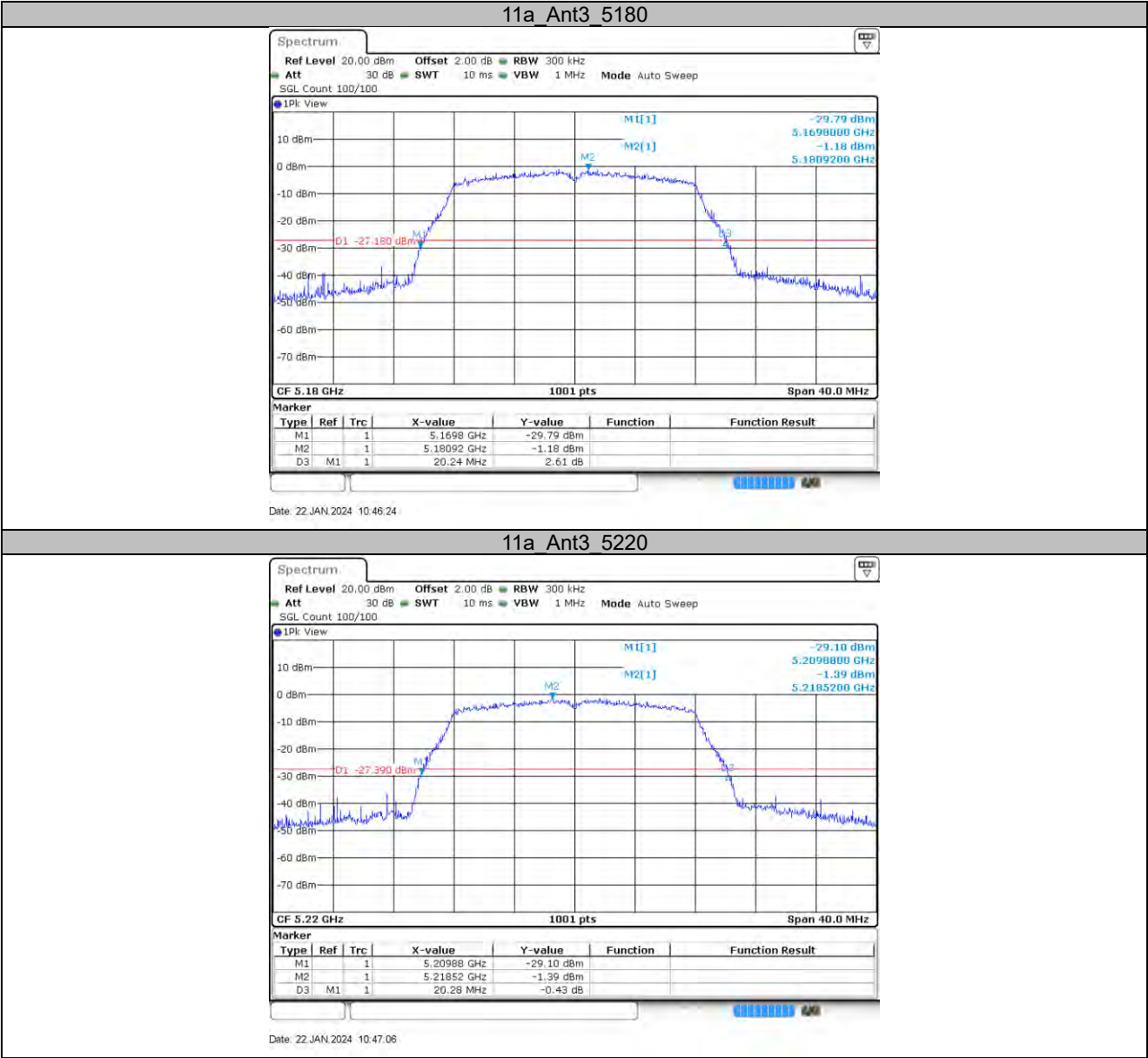
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Test Graphs



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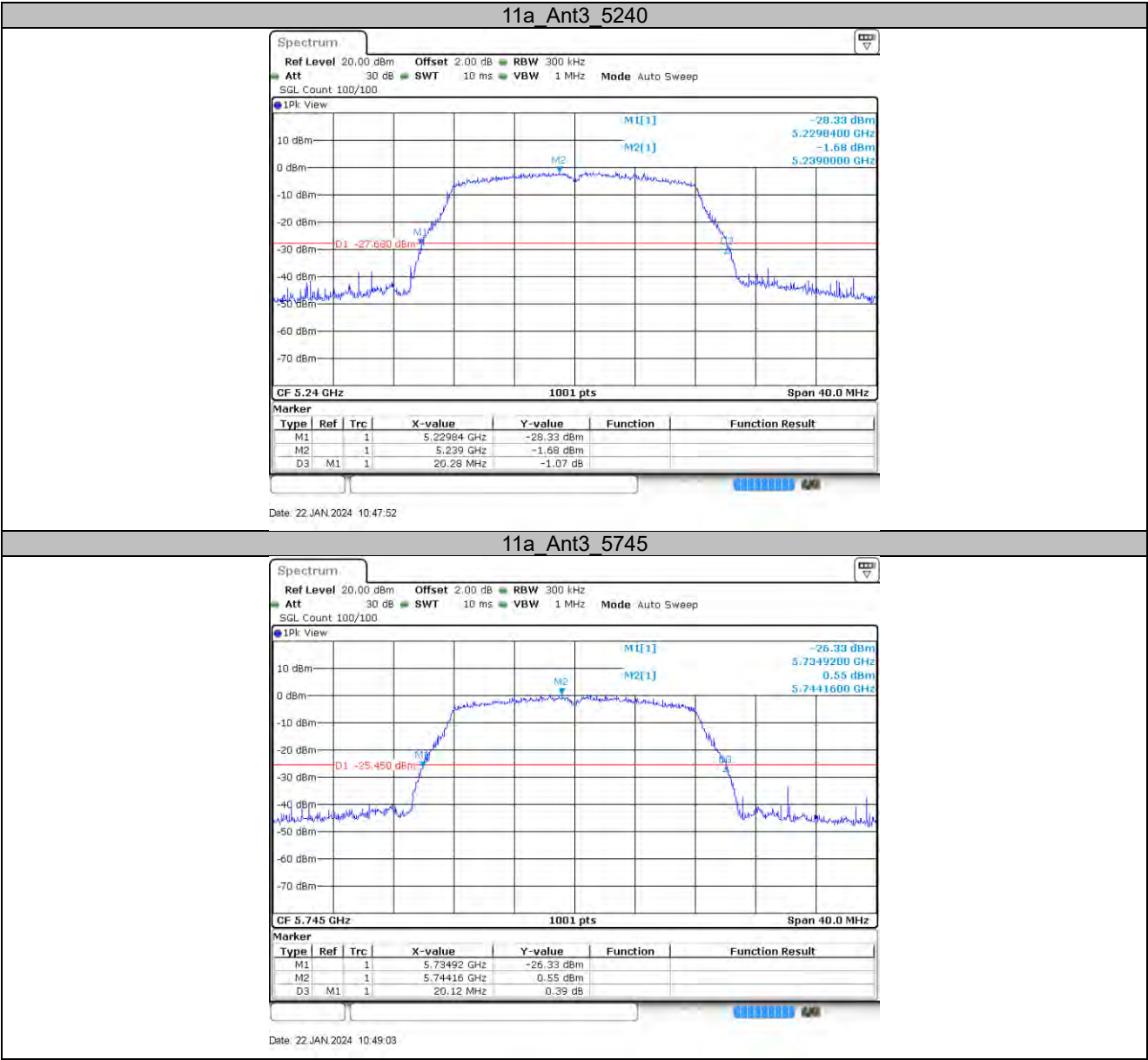
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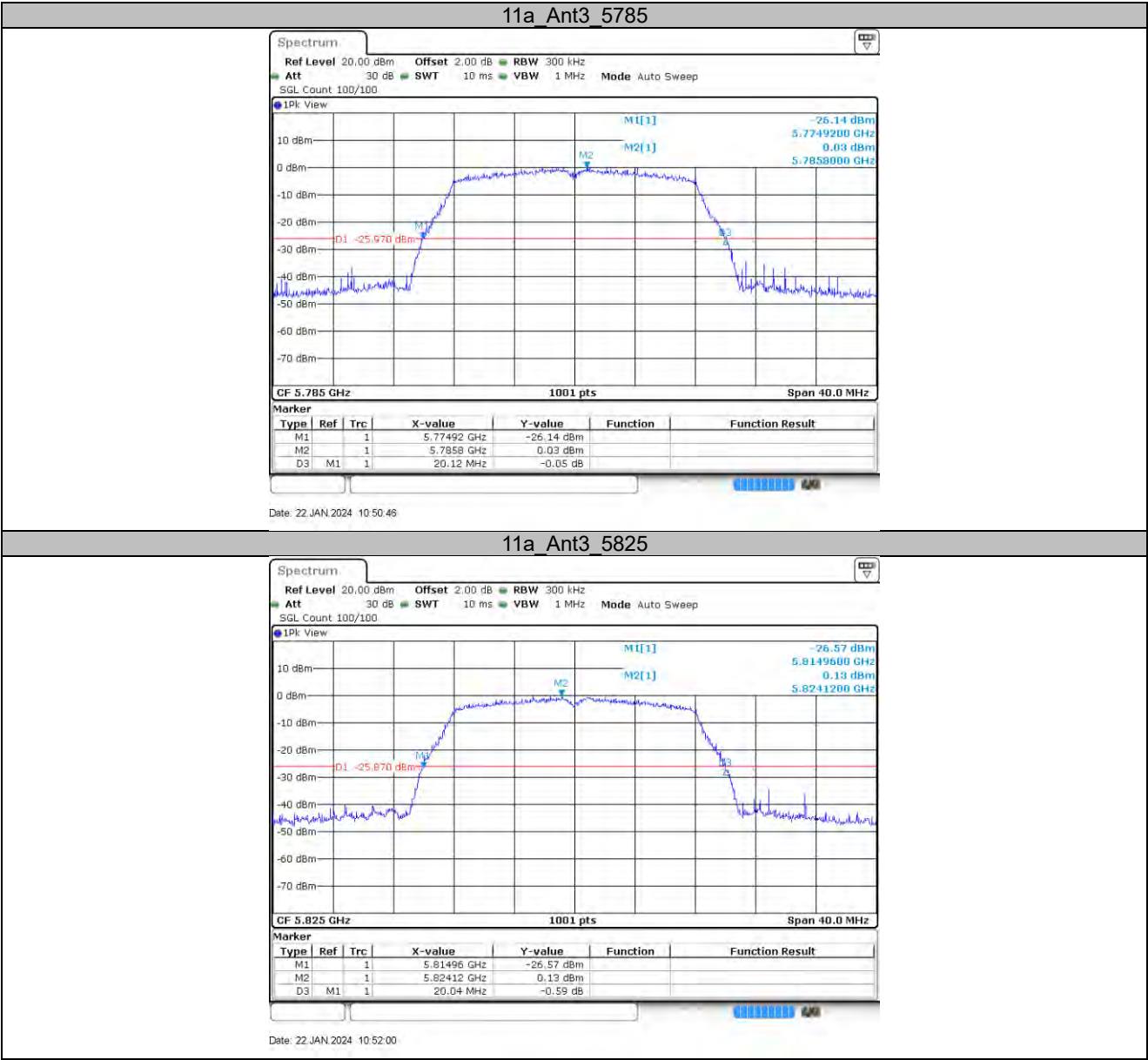
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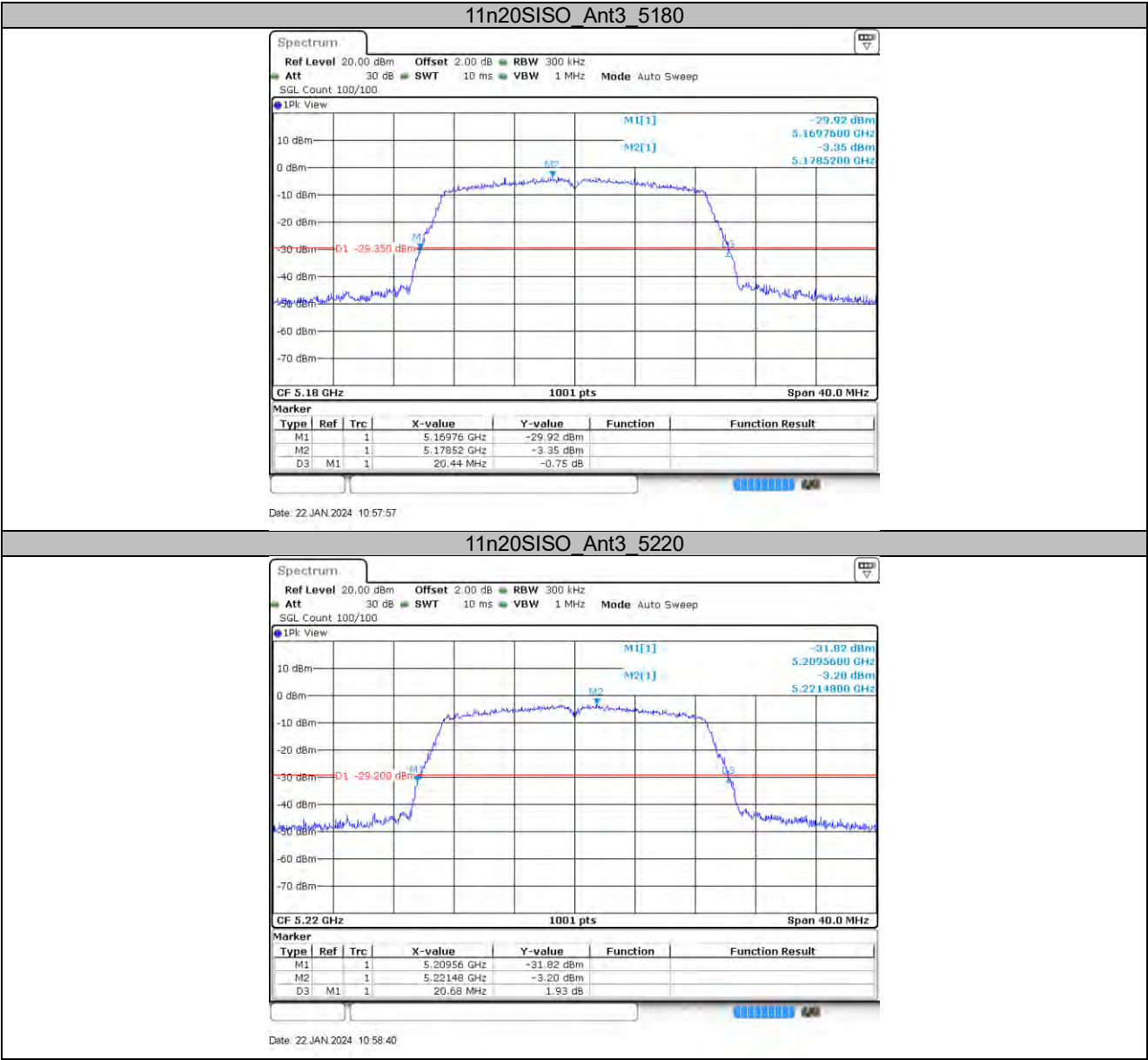
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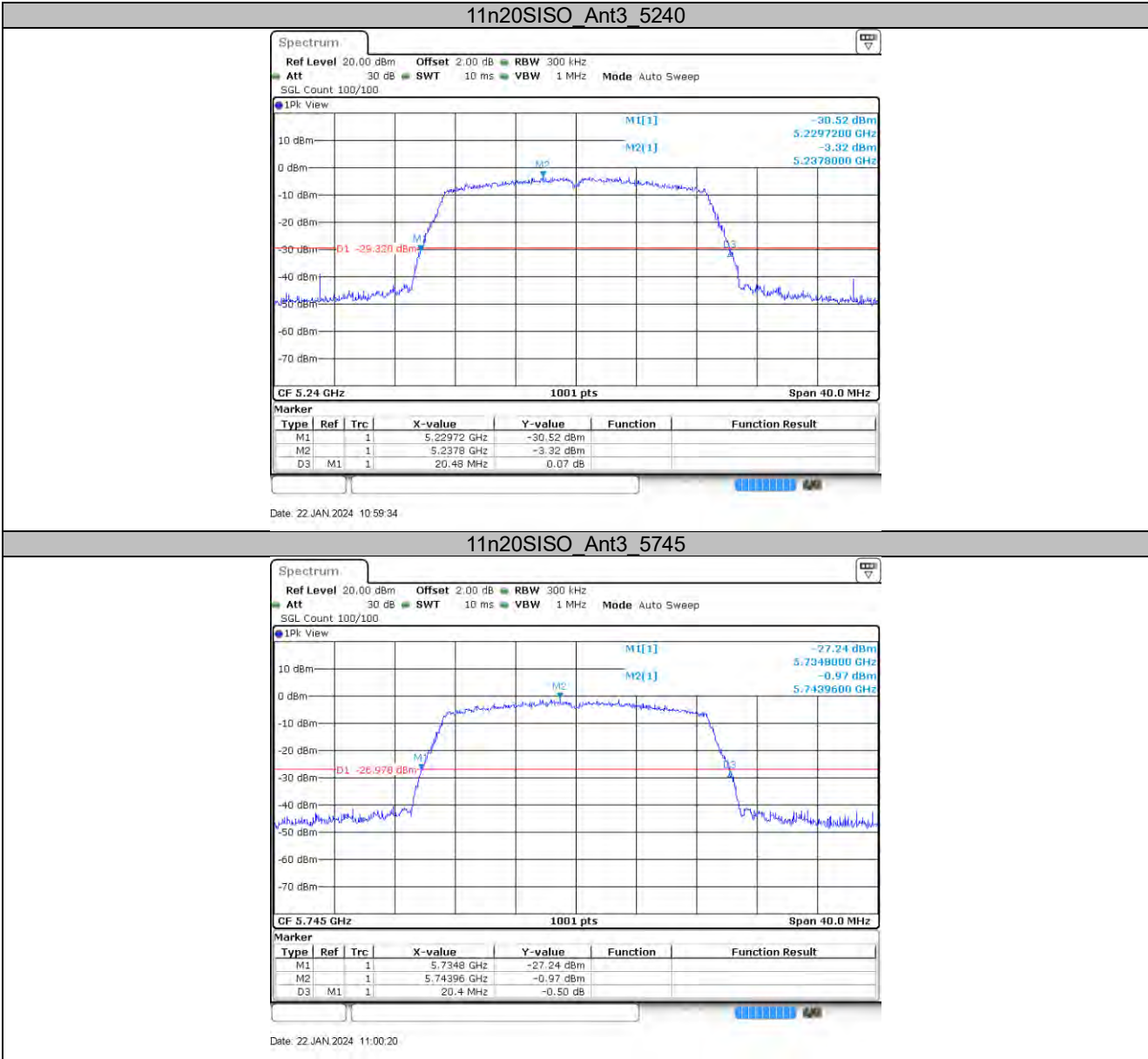
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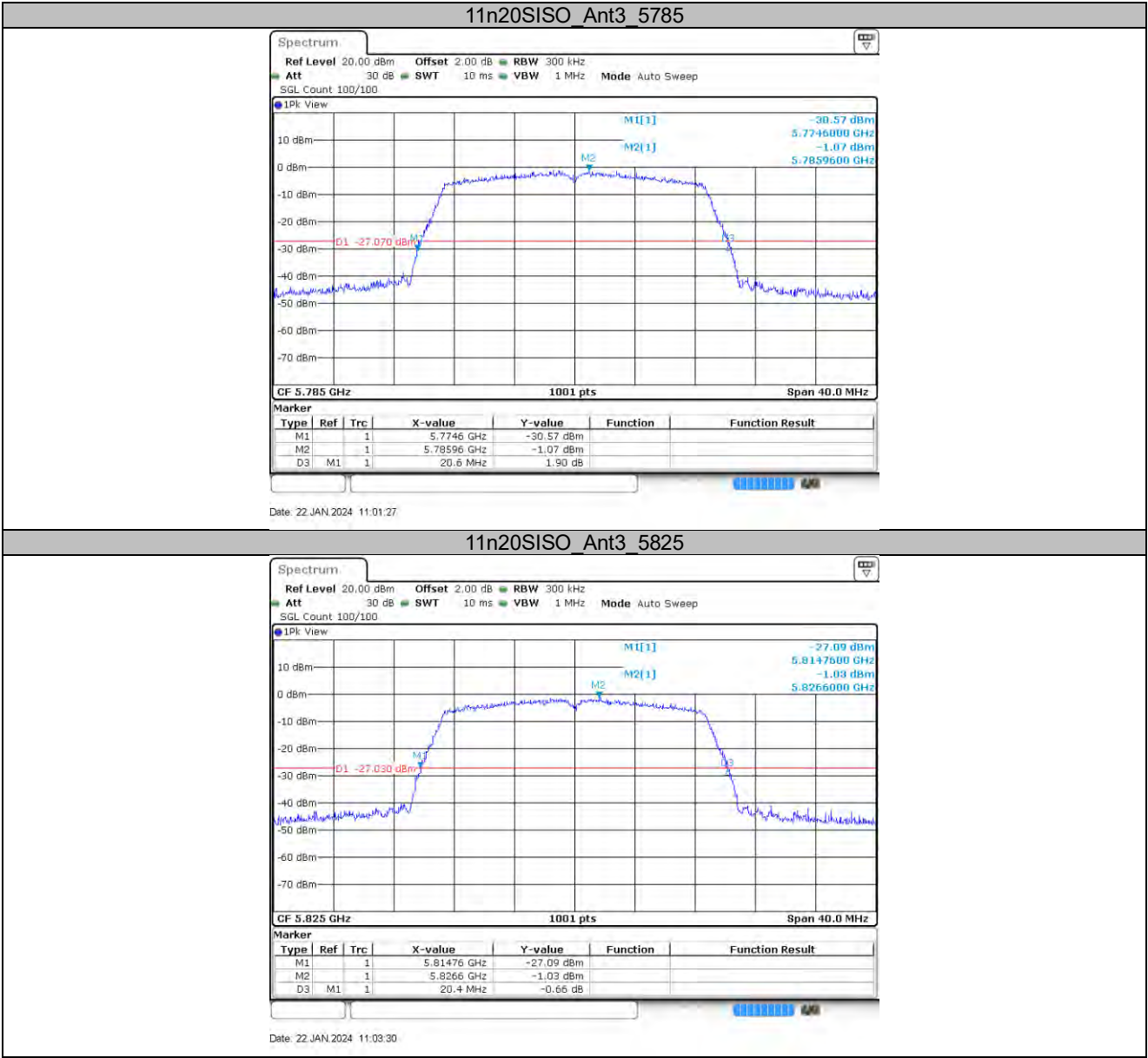
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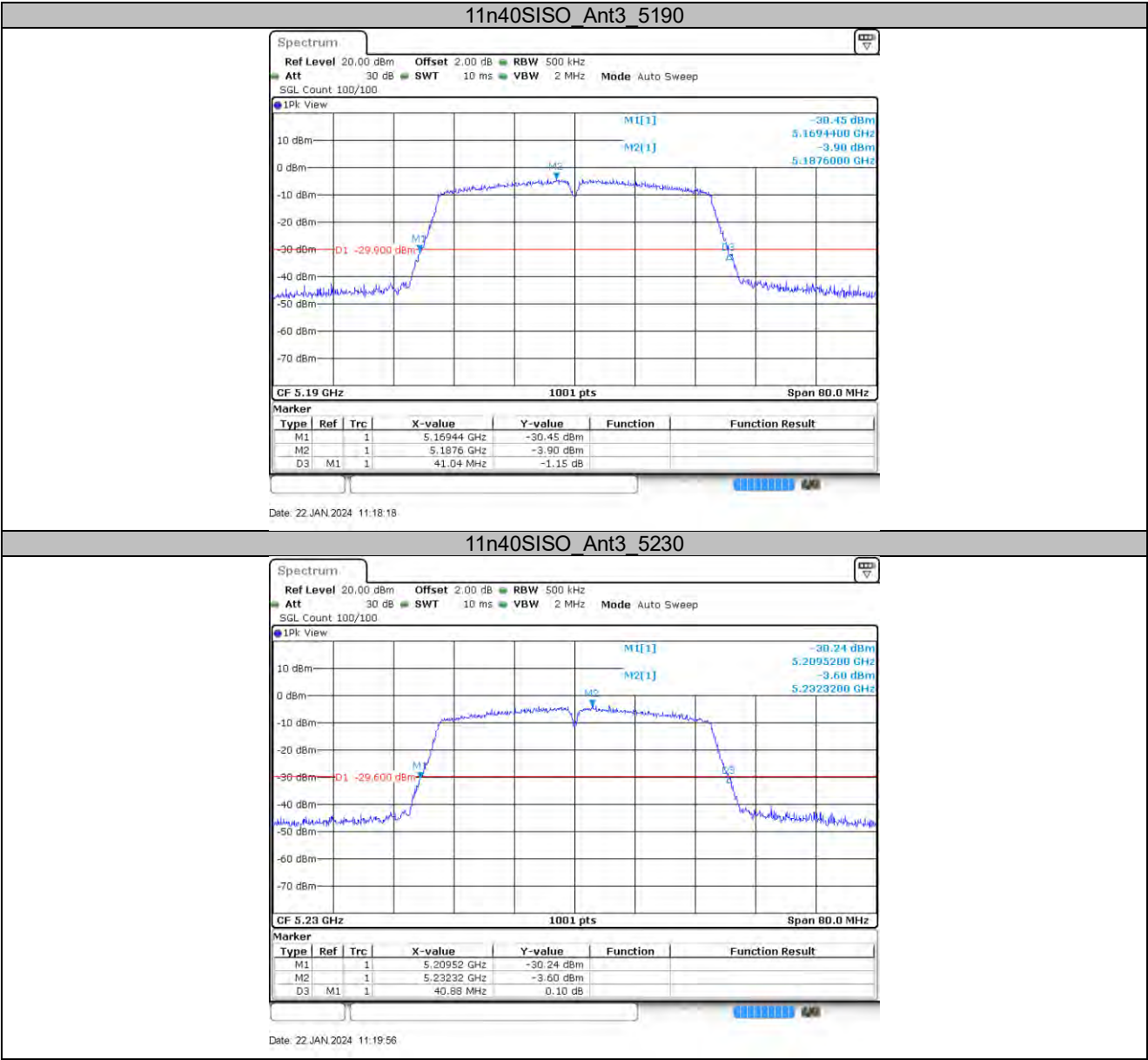
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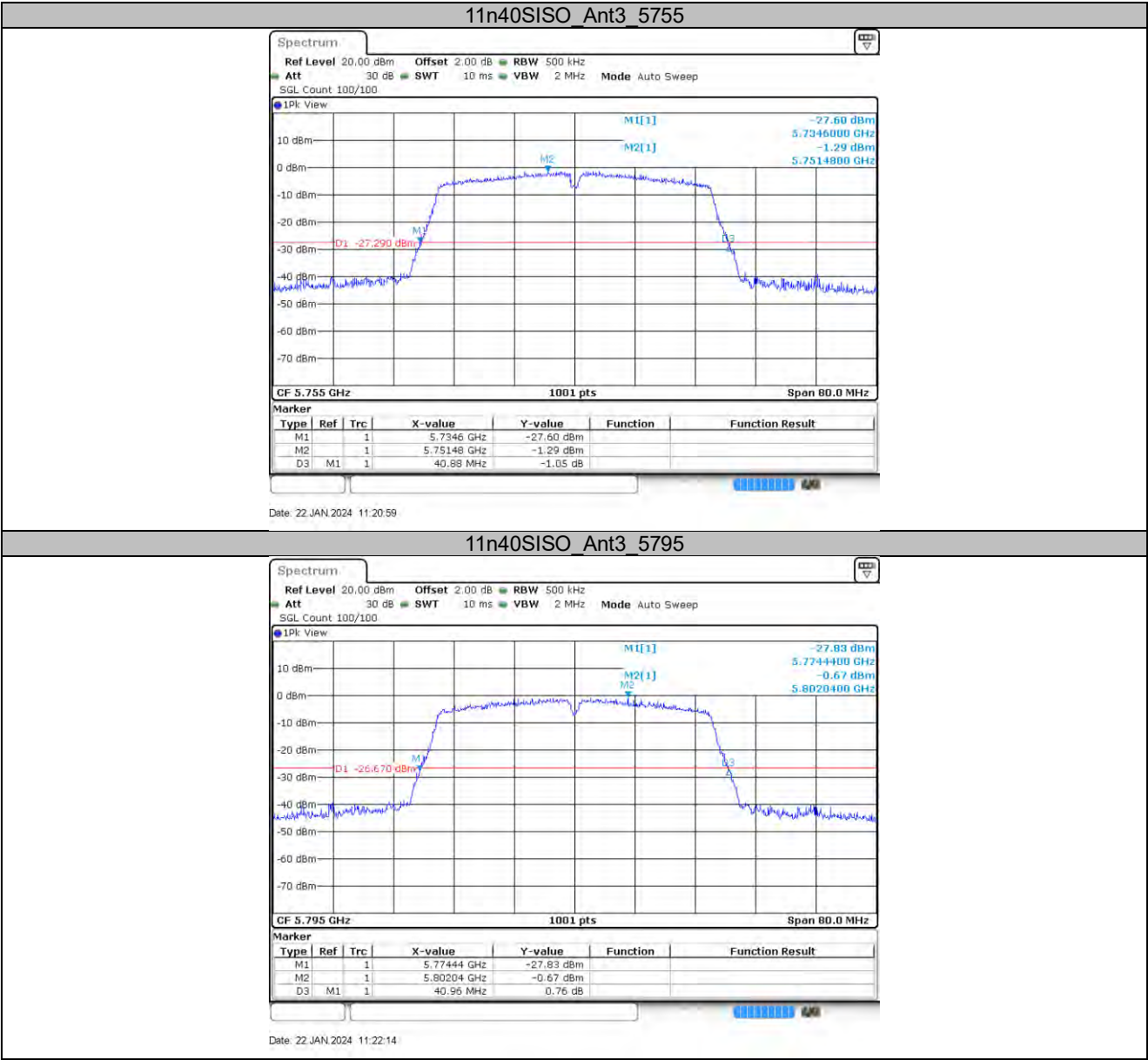
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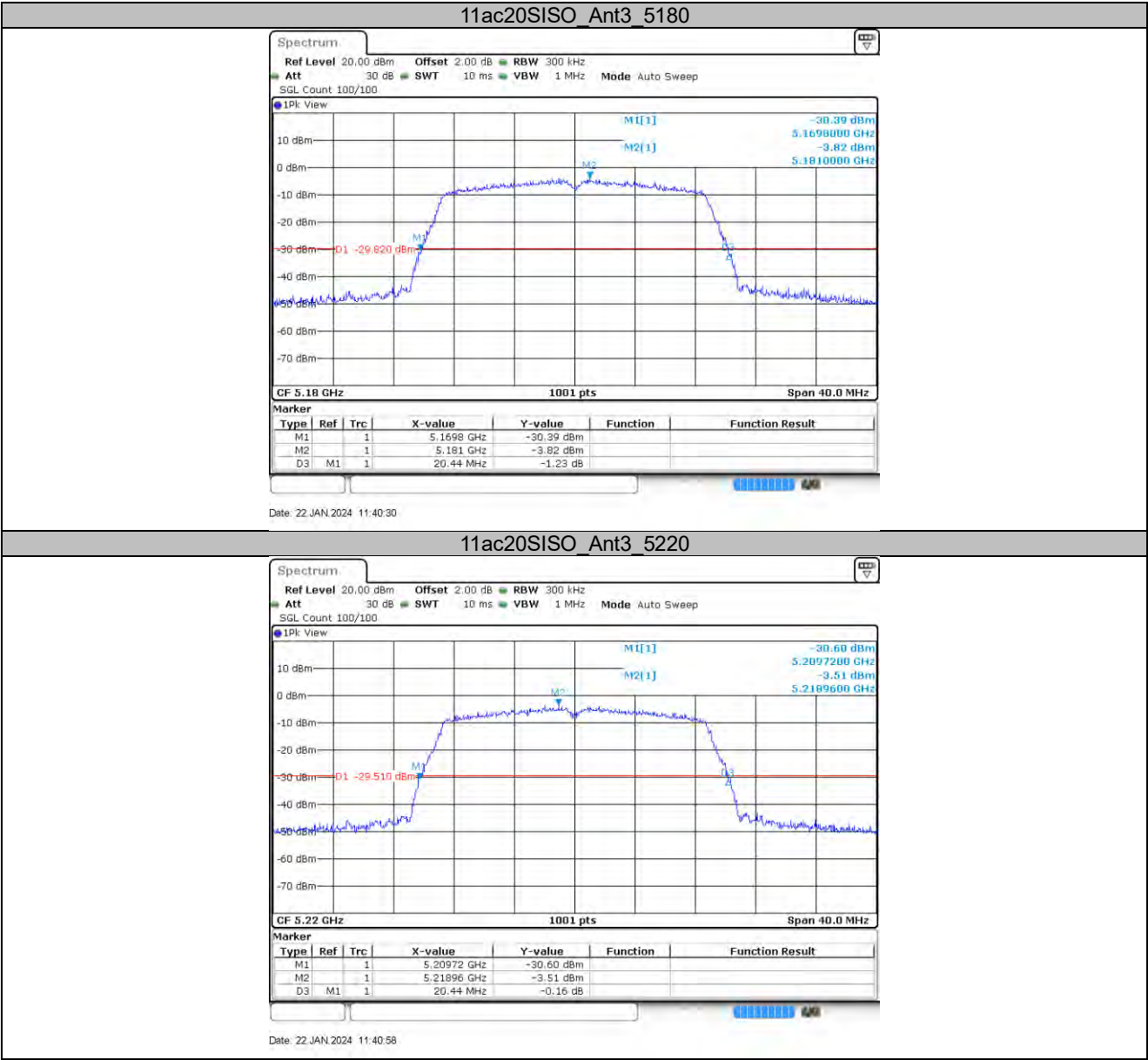
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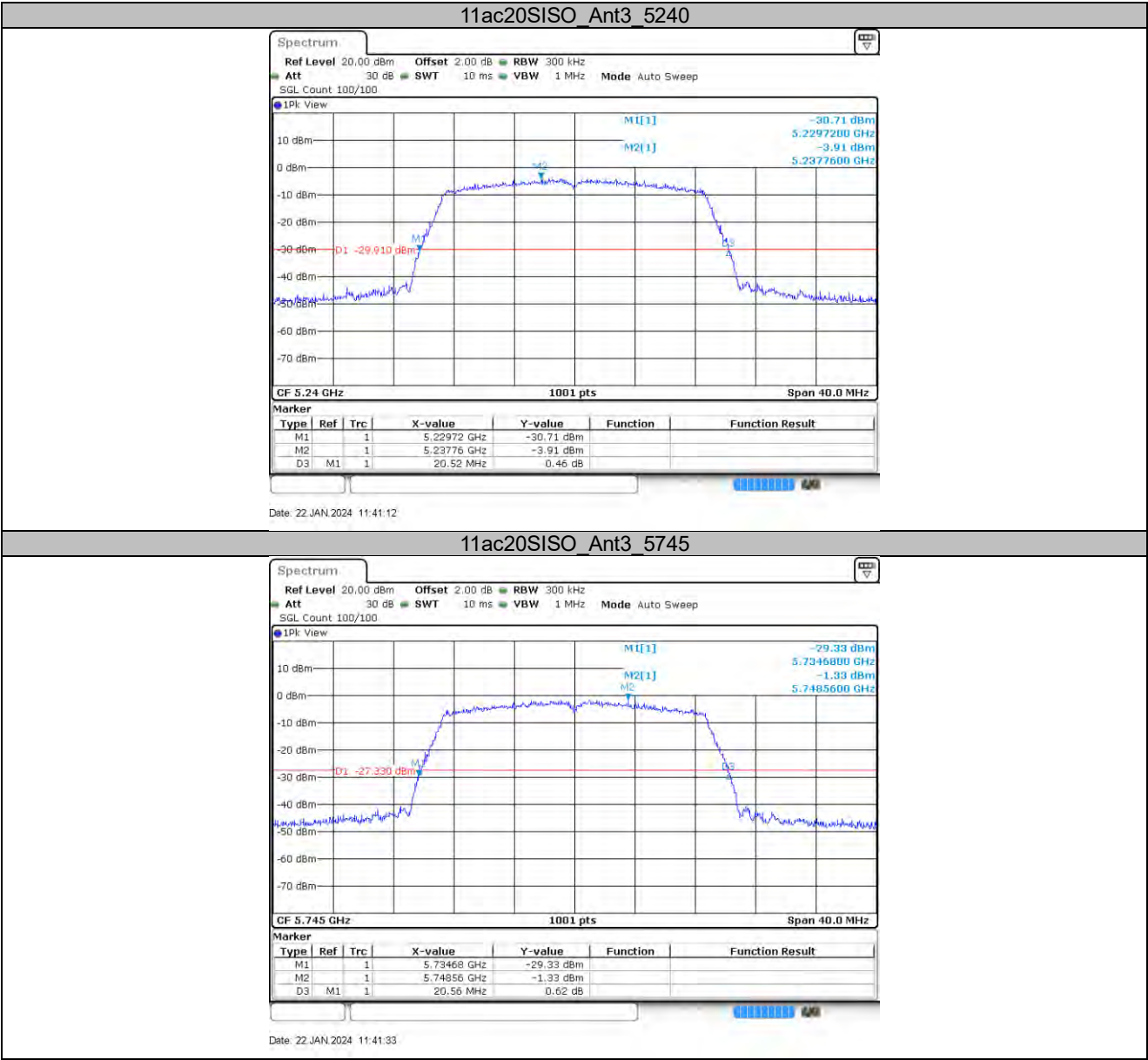
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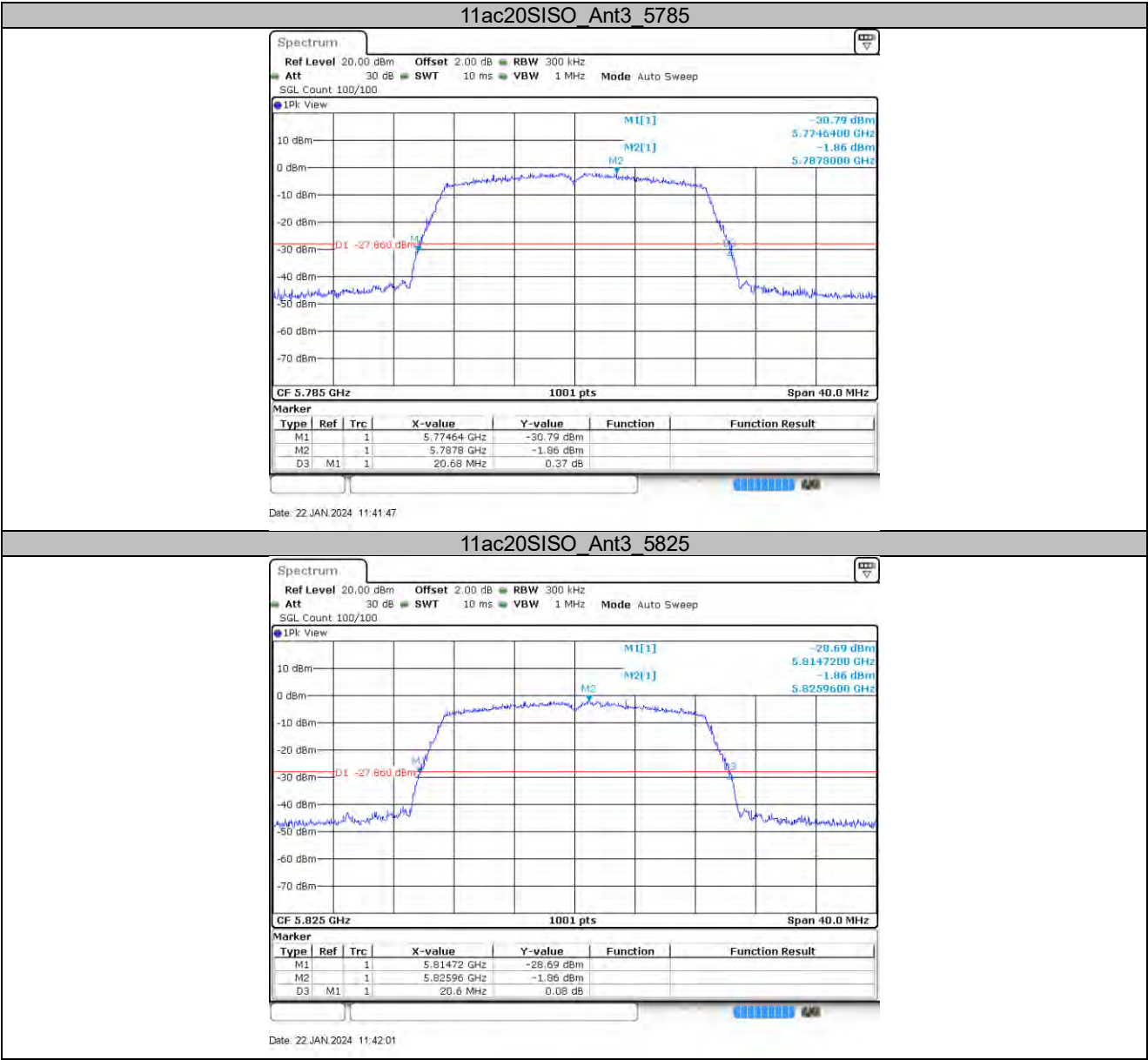
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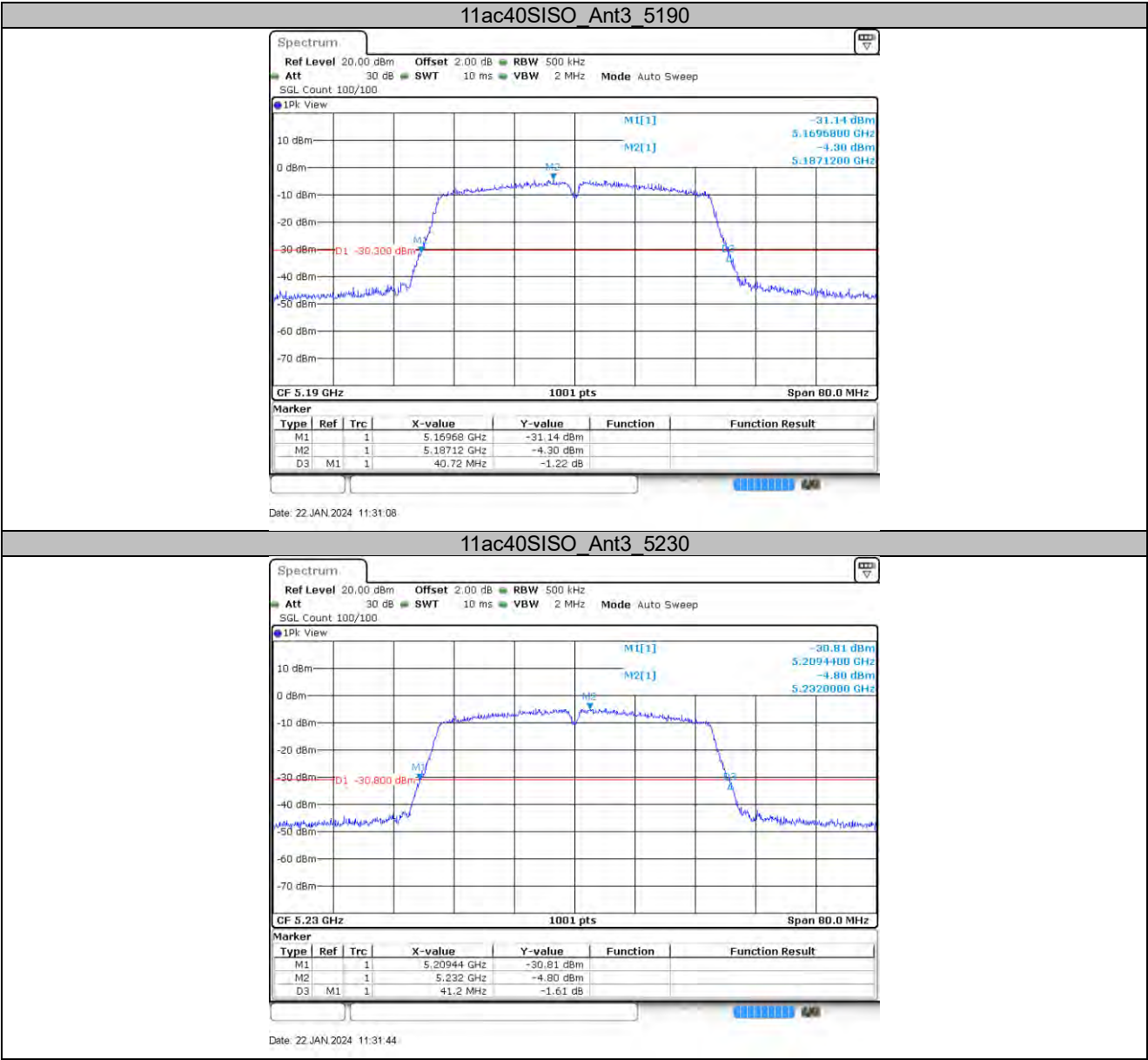
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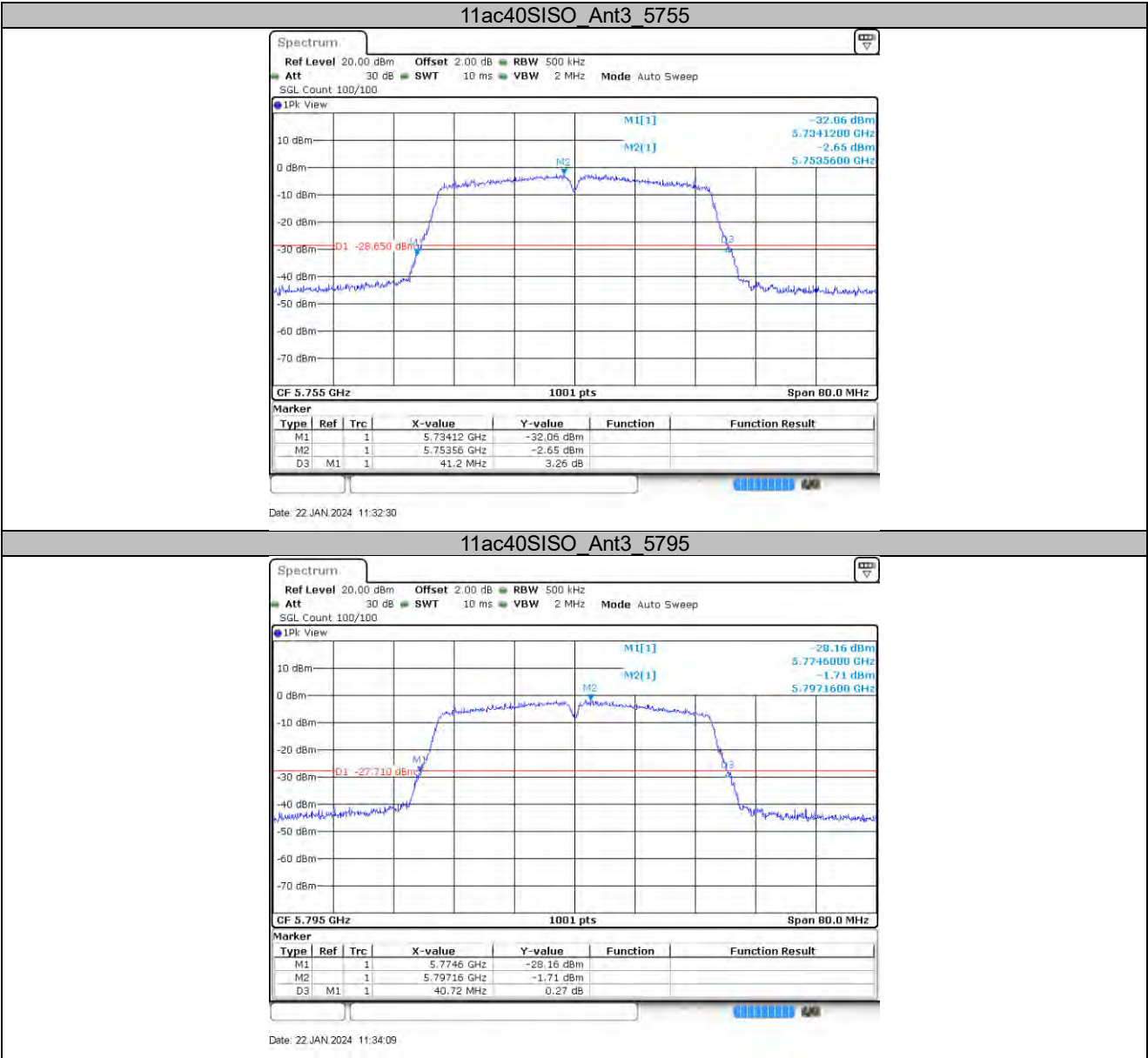
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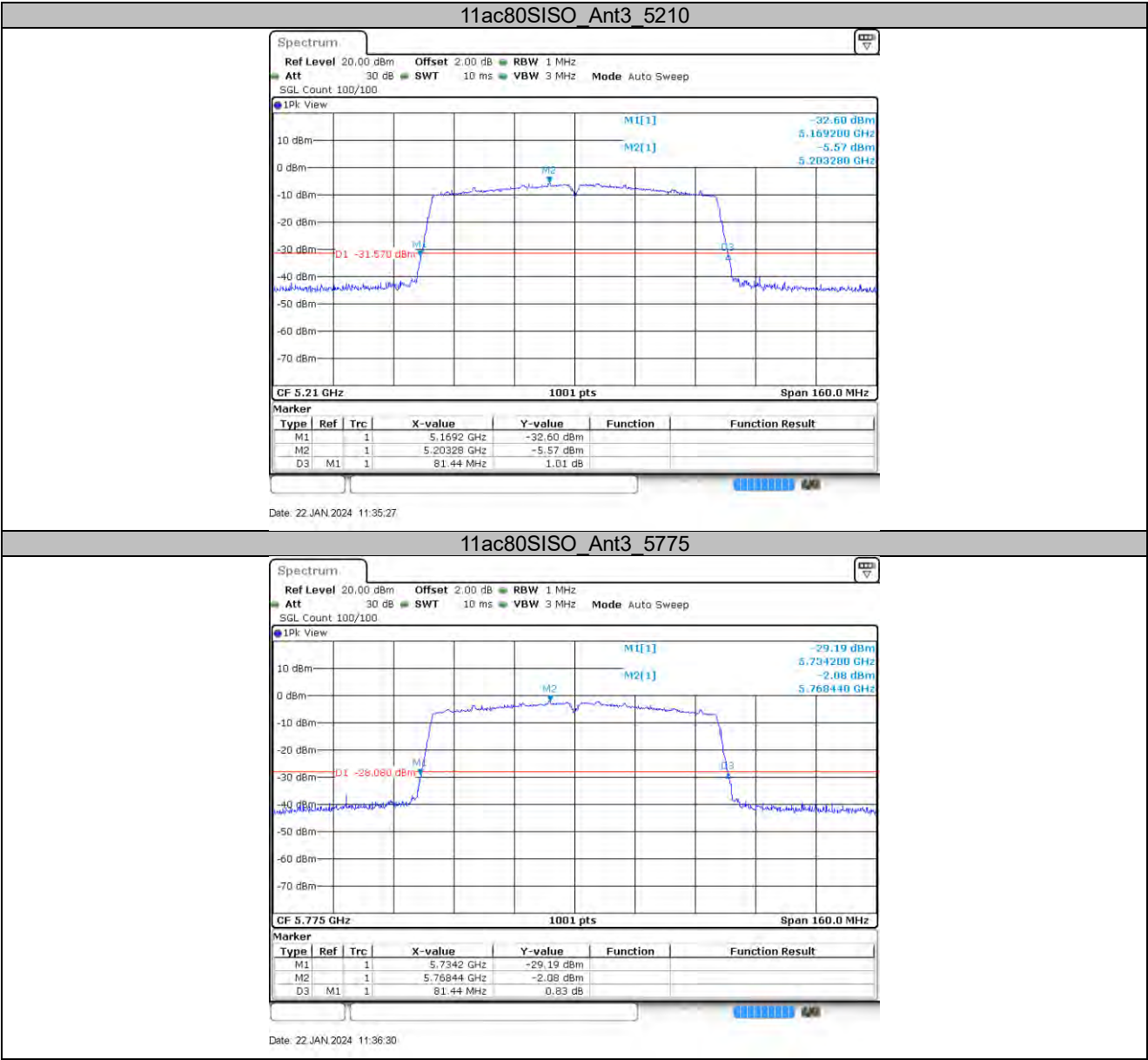
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Occupied channel bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11a	Ant3	5180	17.183	5171.4086	5188.5914	Reporting only
		5220	17.143	5211.4086	5228.5514	
		5240	17.183	5231.4086	5248.5914	
		5745	17.183	5736.3686	5753.5514	
		5785	17.063	5776.4486	5793.5115	
		5825	17.143	5816.3686	5833.5115	
11n20SISO	Ant3	5180	18.022	5170.9291	5188.9510	
		5220	18.022	5210.9690	5228.9910	
		5240	18.022	5230.9690	5248.9910	
		5745	18.022	5735.9690	5753.9910	
		5785	18.022	5775.9690	5793.9910	
		5825	18.022	5815.9690	5833.9910	
11n40SISO	Ant3	5190	36.523	5171.6983	5208.2218	
		5230	36.364	5211.7782	5248.1419	
		5755	36.364	5736.7782	5773.1419	
		5795	36.364	5776.7782	5813.1419	
11ac20SISO	Ant3	5180	18.022	5170.9690	5188.9910	
		5220	18.062	5210.9291	5228.9910	
		5240	18.022	5230.9690	5248.9910	
		5745	17.982	5735.9690	5753.9510	
		5785	18.022	5775.9690	5793.9910	
		5825	17.982	5815.9690	5833.9510	
11ac40SISO	Ant3	5190	36.444	5171.7782	5208.2218	
		5230	36.444	5211.6983	5248.1419	
		5755	36.364	5736.7782	5773.1419	
		5795	36.444	5776.6983	5813.1419	
11ac80SISO	Ant3	5210	75.604	5172.1179	5247.7223	
		5775	75.604	5737.1179	5812.7223	



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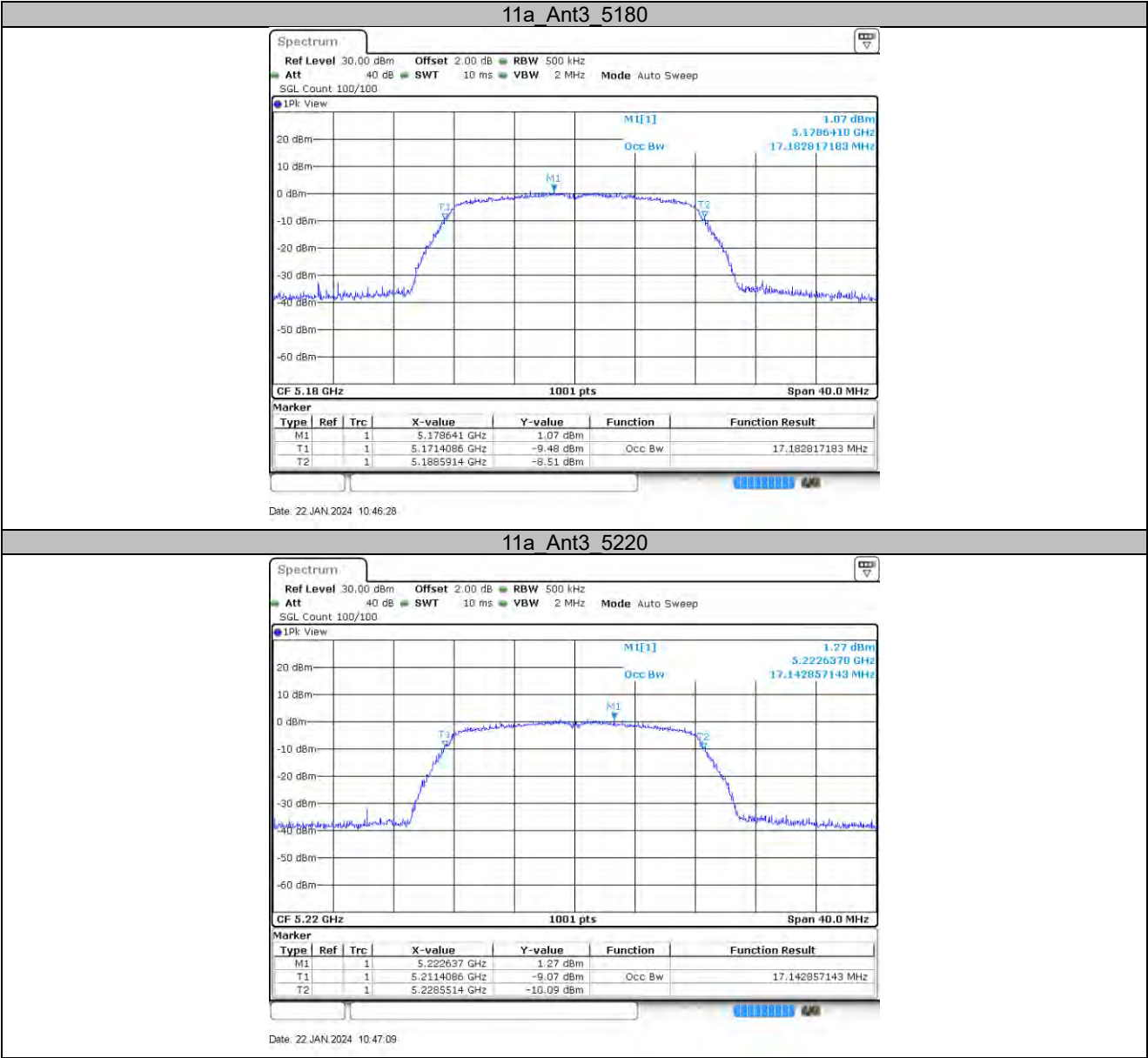
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Test Graphs



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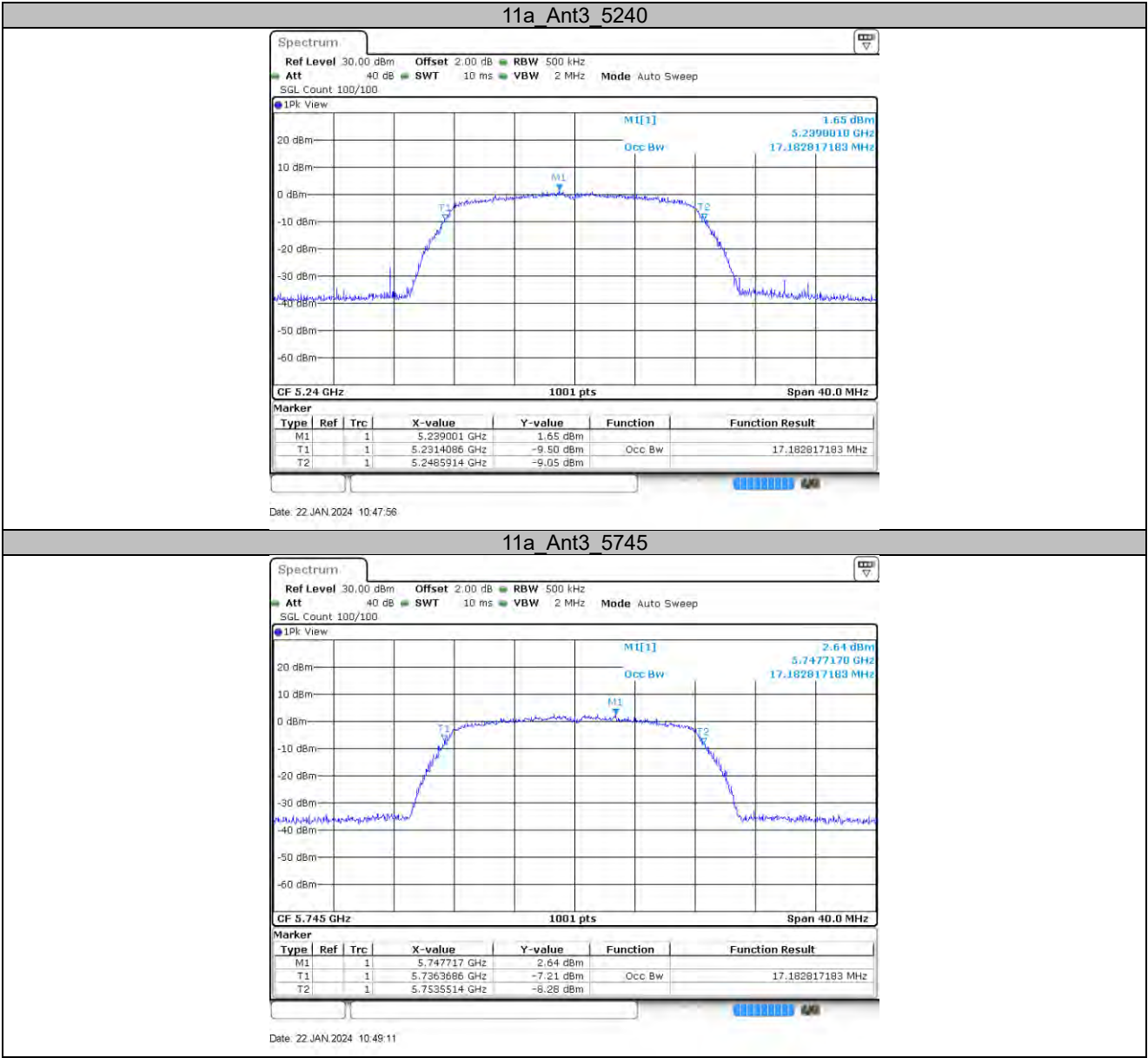
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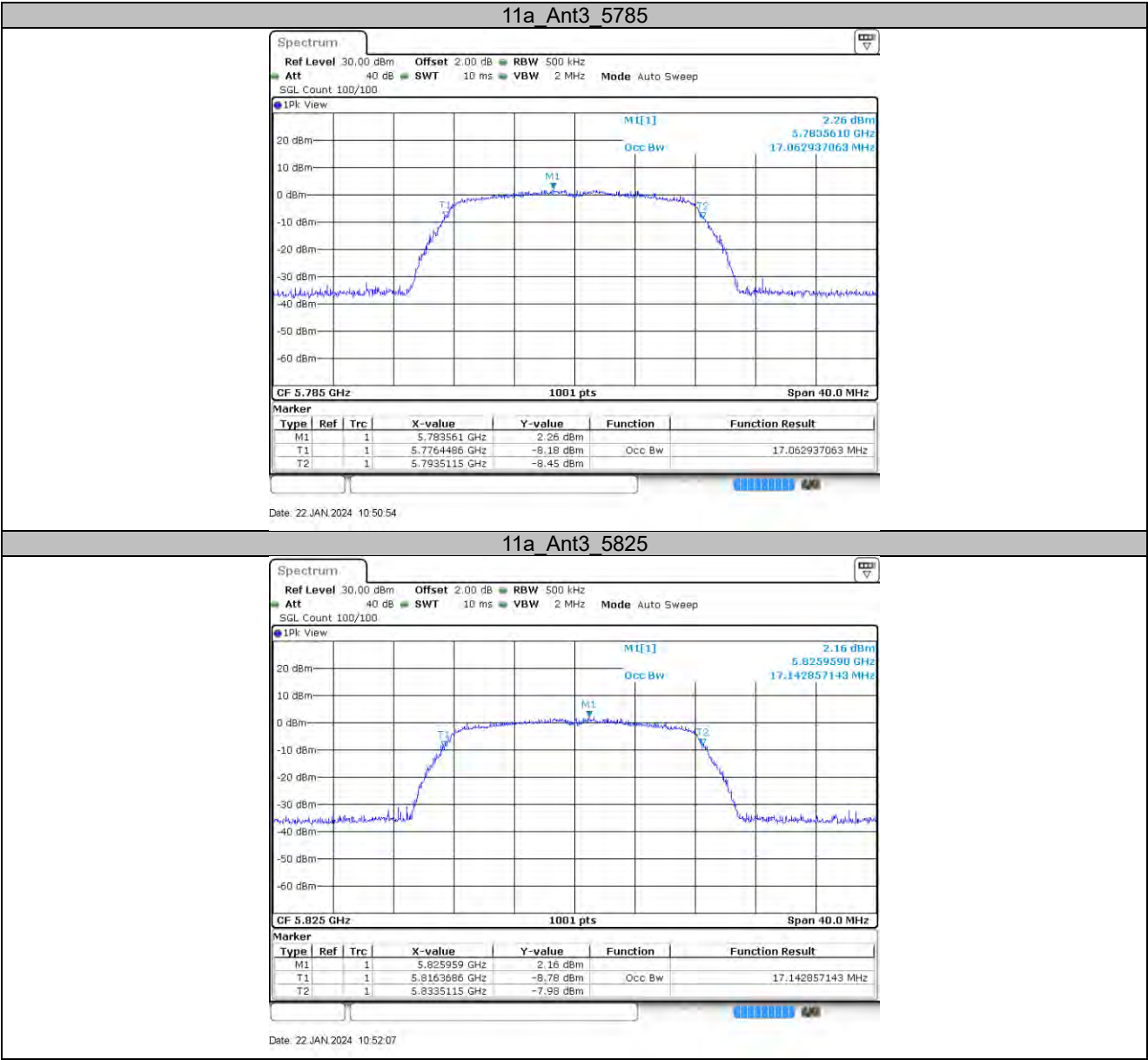
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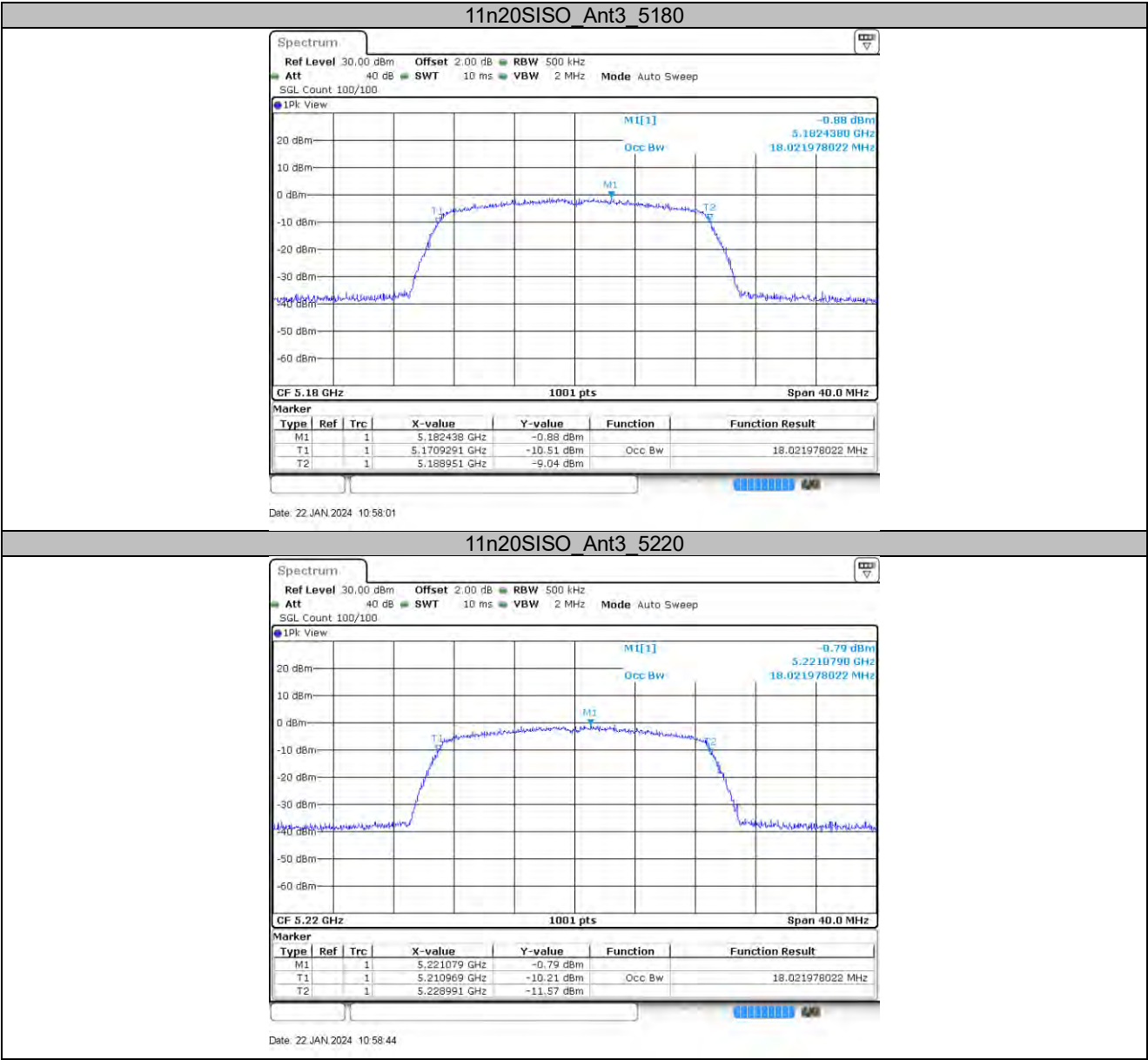
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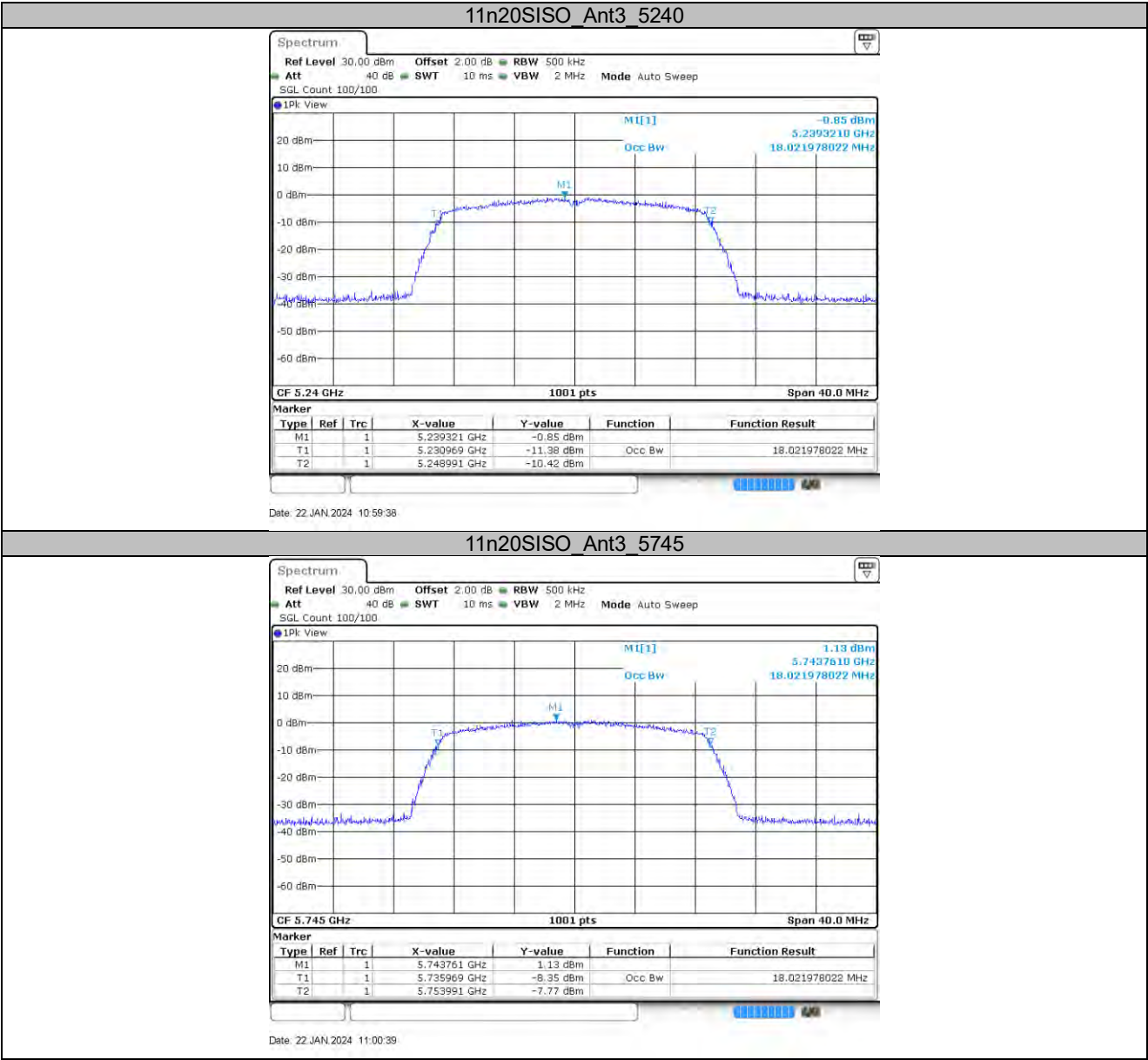
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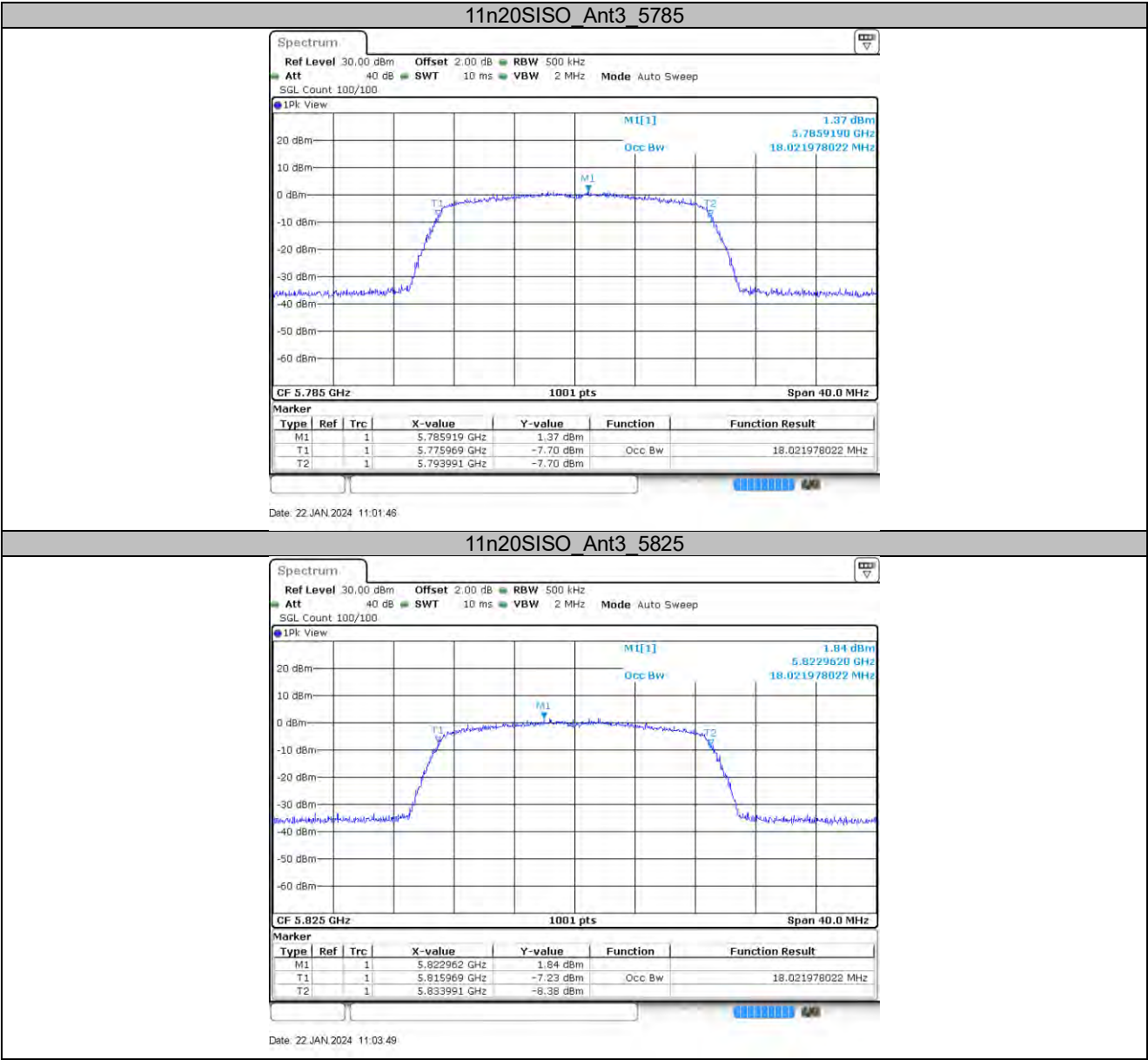
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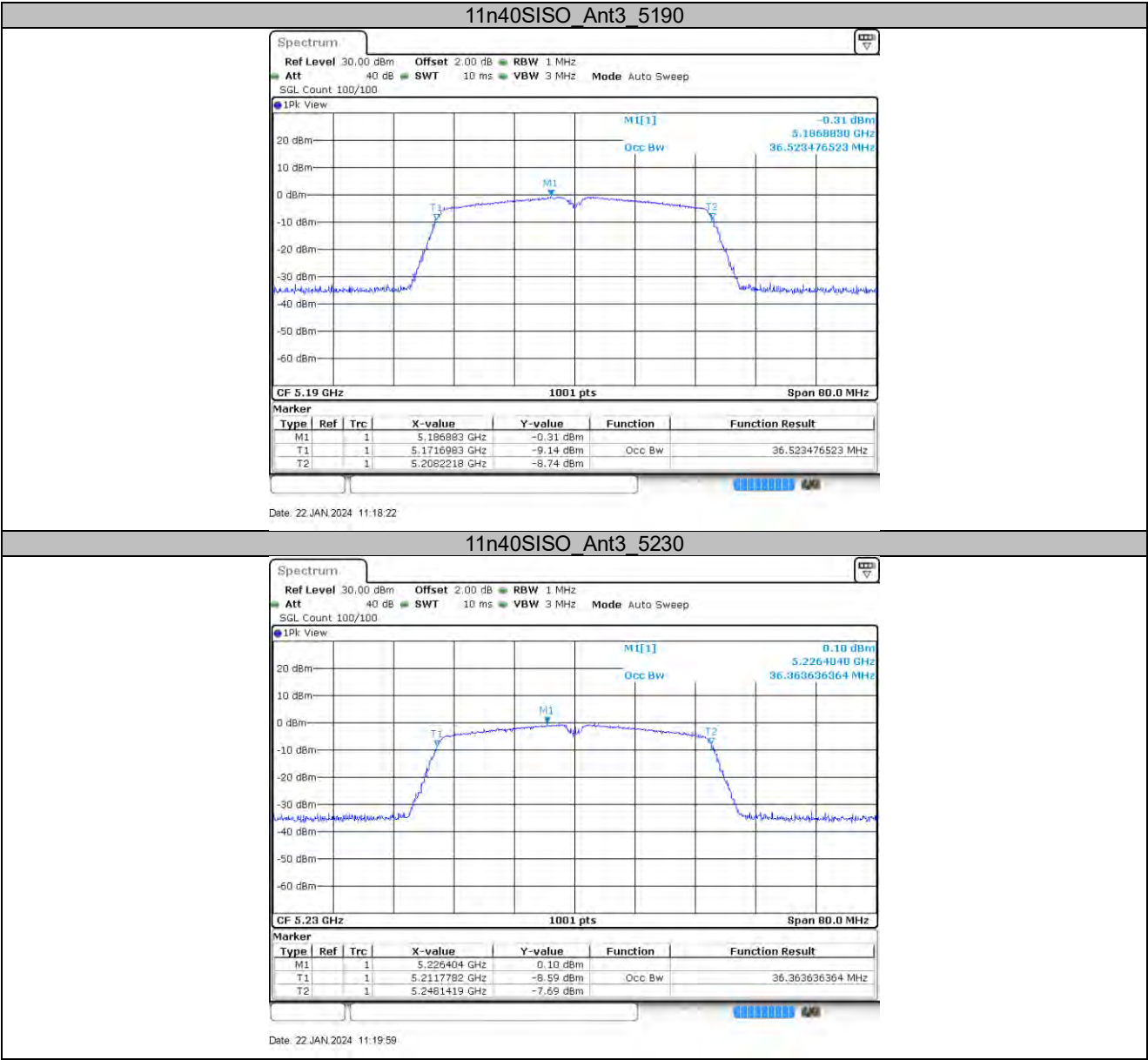
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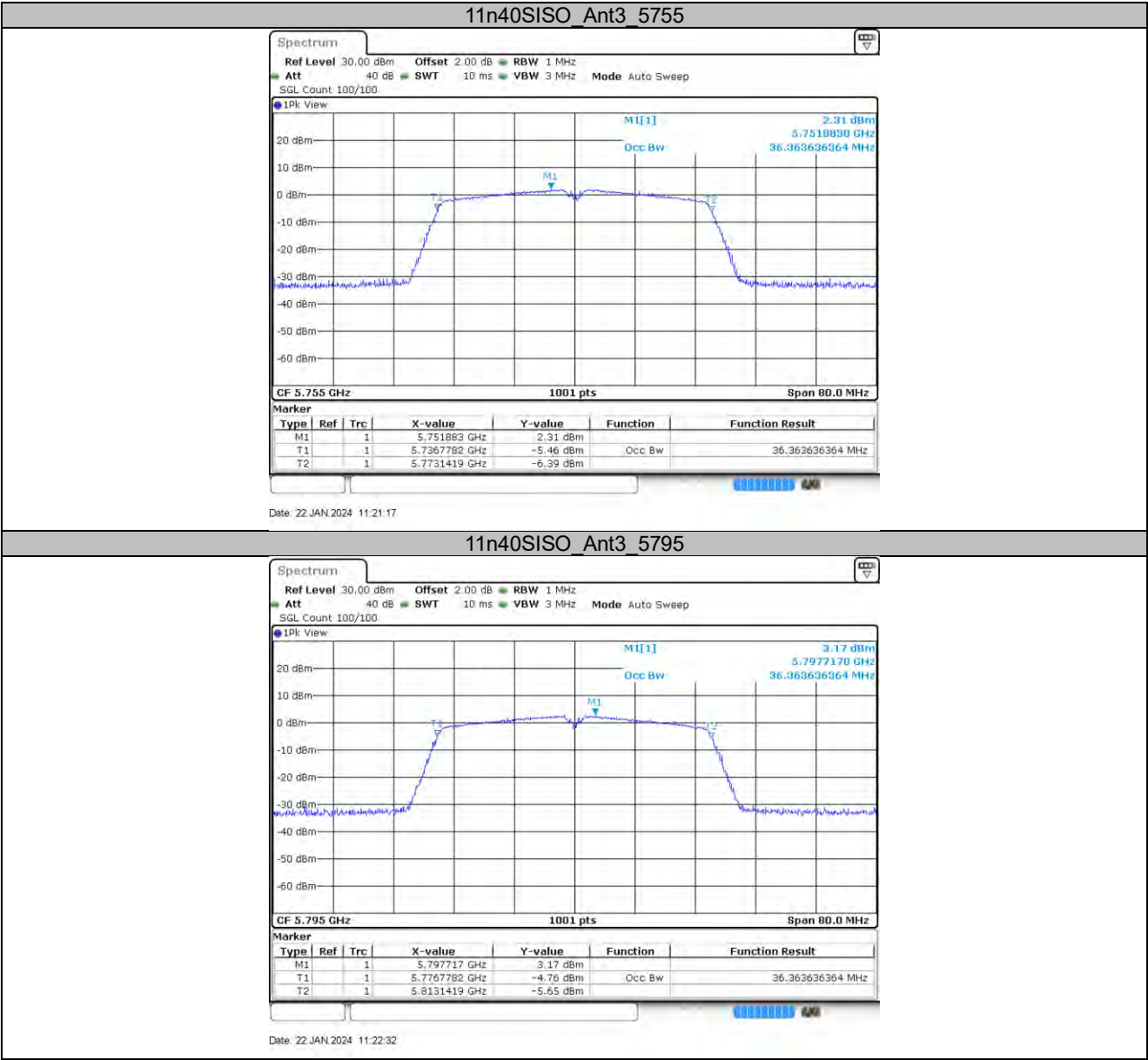
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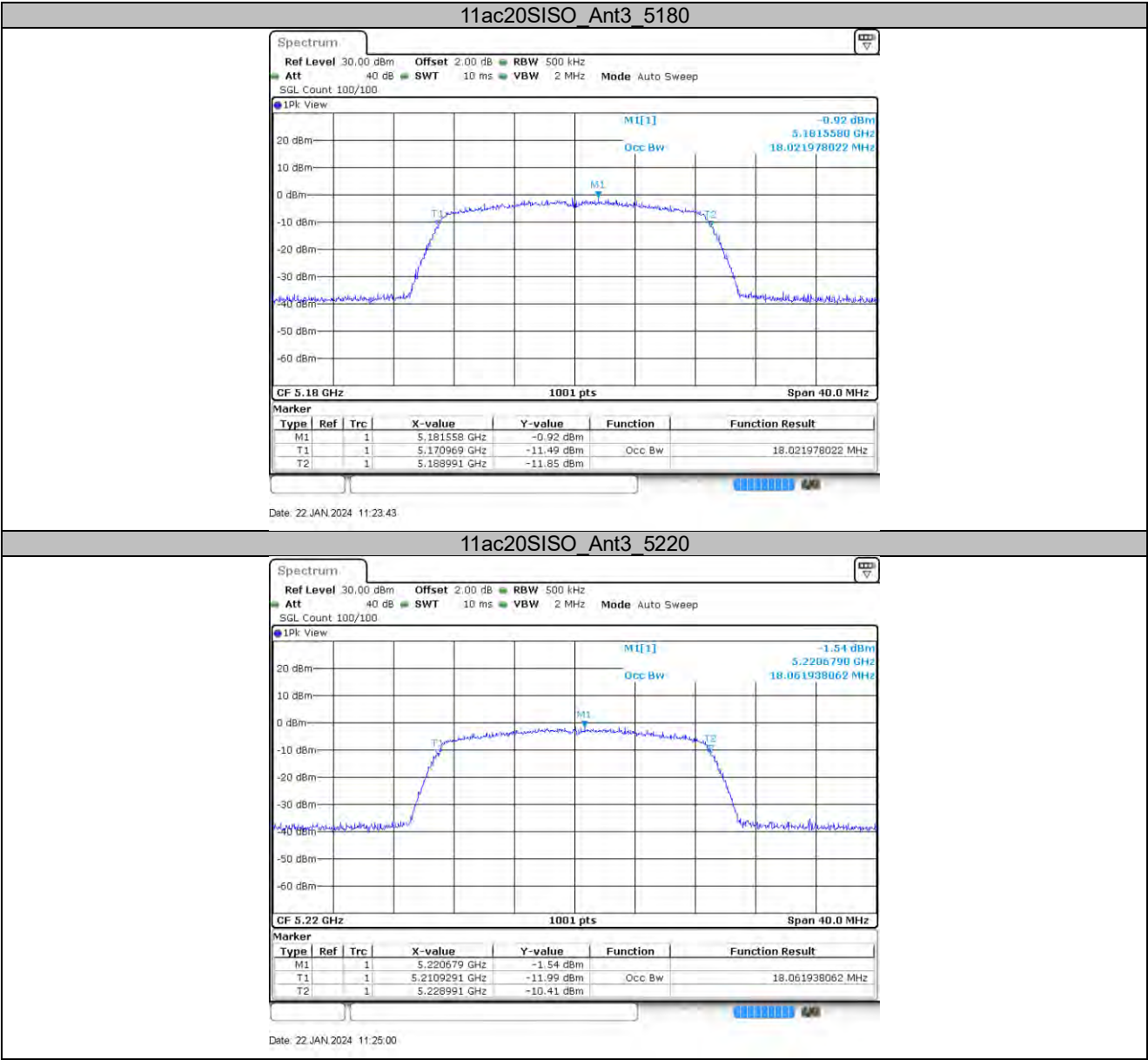
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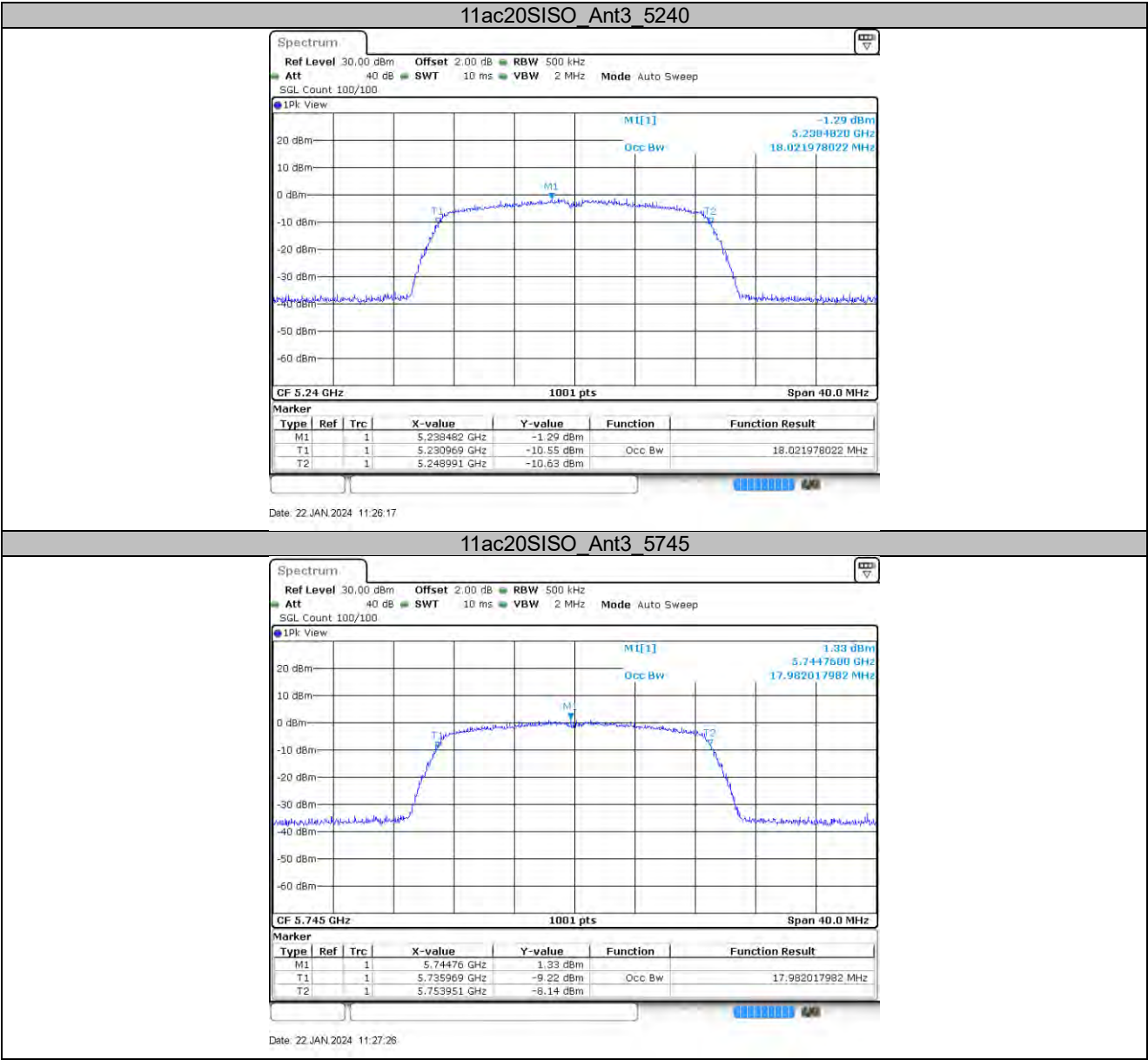
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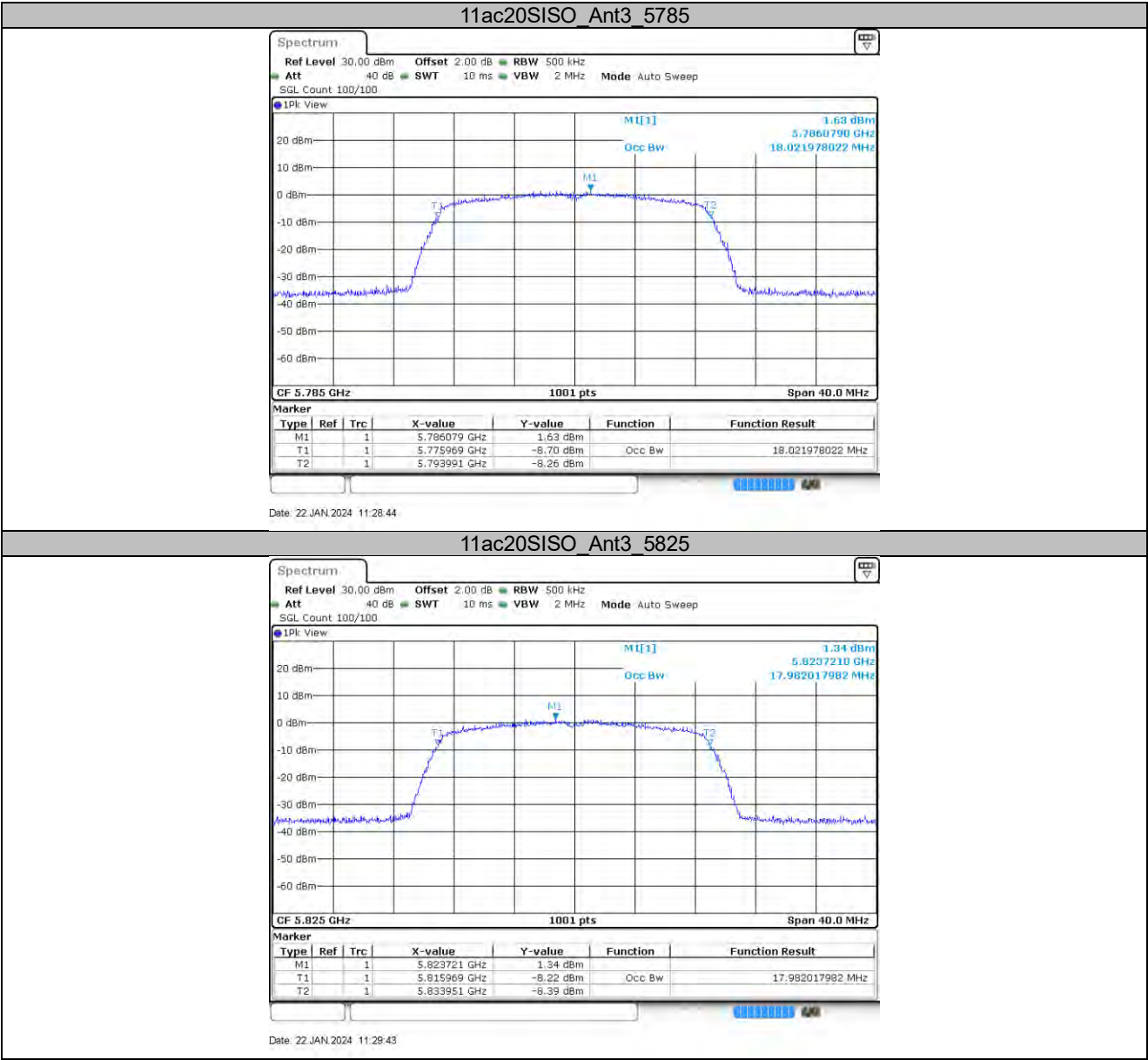
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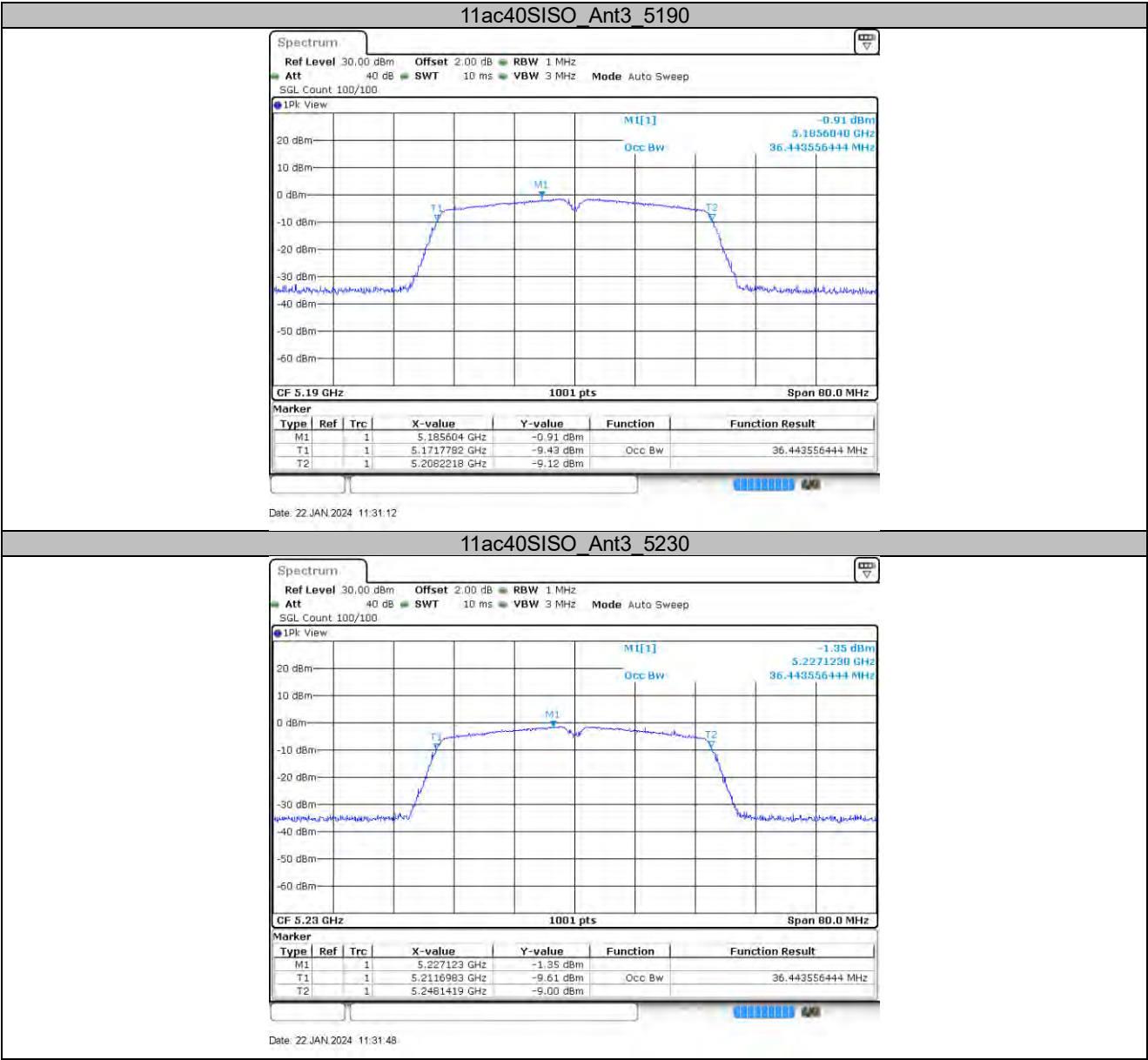
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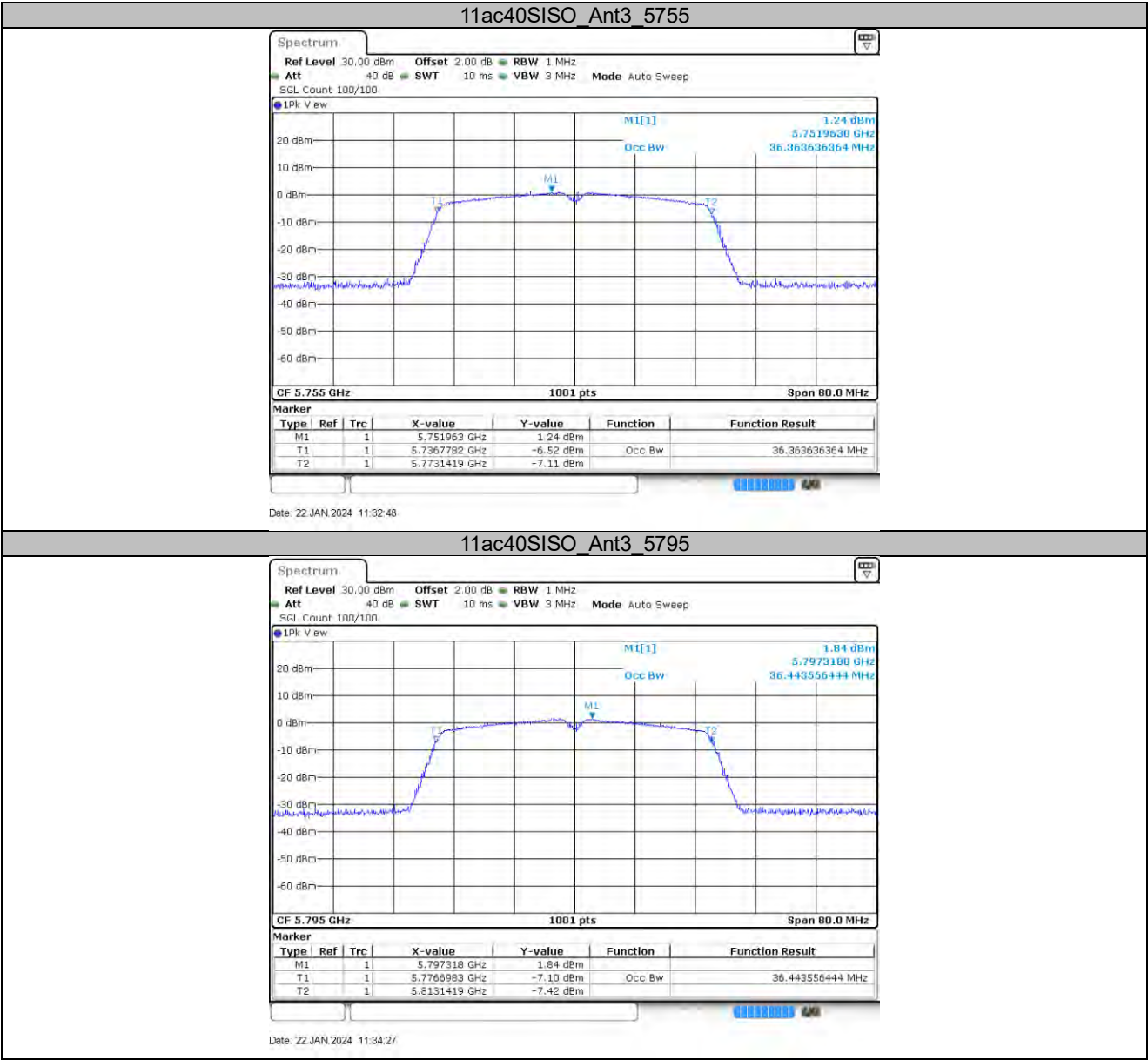
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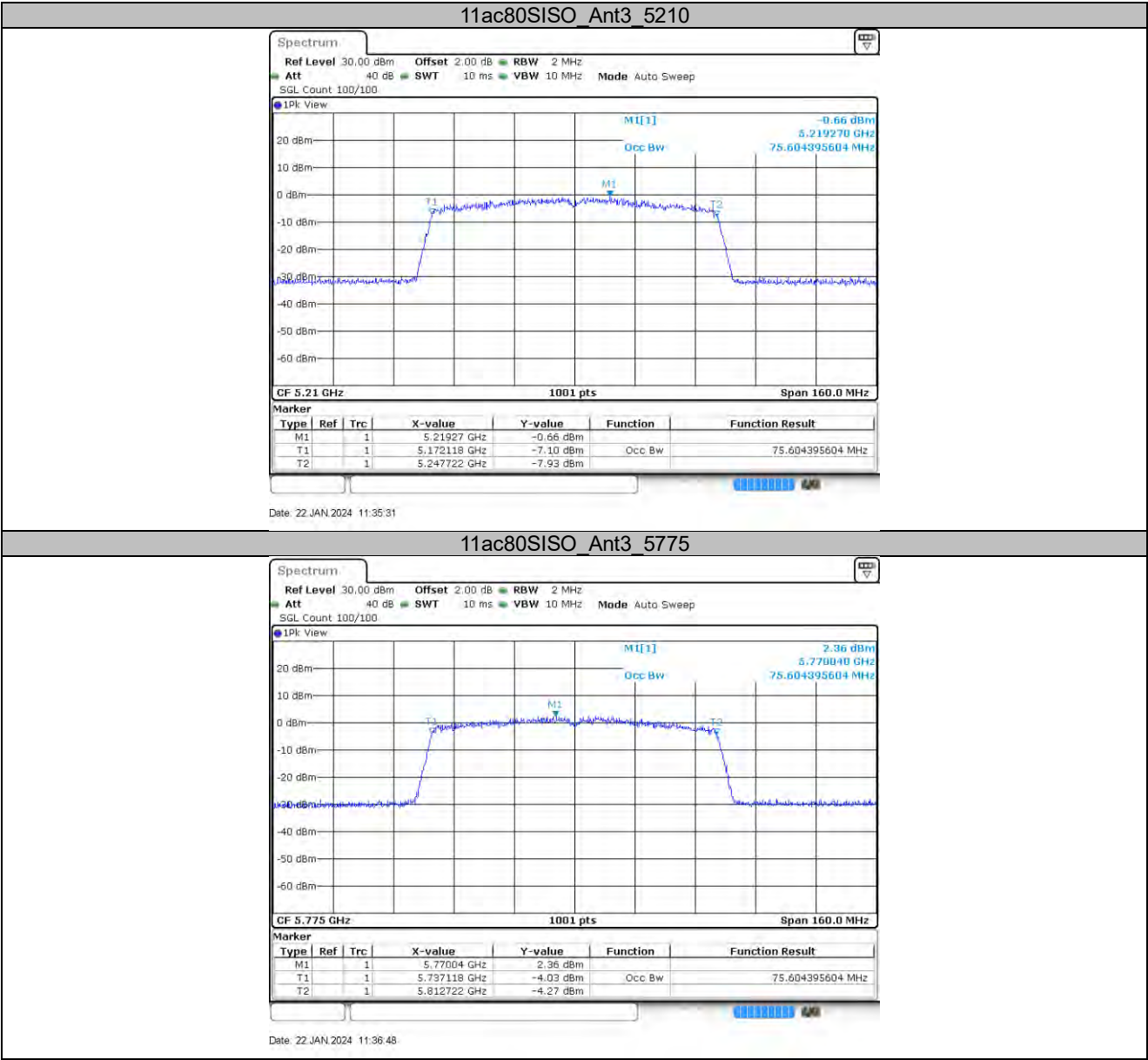
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6dB emission bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11a	Ant3	5745	15.20	5737.36	5752.56	≥0.5	PASS
		5785	15.24	5777.36	5792.60	≥0.5	PASS
		5825	15.20	5817.36	5832.56	≥0.5	PASS
11n20SISO	Ant3	5745	15.20	5737.36	5752.56	≥0.5	PASS
		5785	15.20	5777.36	5792.56	≥0.5	PASS
		5825	15.24	5817.36	5832.60	≥0.5	PASS
11n40SISO	Ant3	5755	35.28	5737.32	5772.60	≥0.5	PASS
		5795	35.28	5777.32	5812.60	≥0.5	PASS
11ac20SISO	Ant3	5745	15.20	5737.36	5752.56	≥0.5	PASS
		5785	15.24	5777.36	5792.60	≥0.5	PASS
		5825	15.24	5817.36	5832.60	≥0.5	PASS
11ac40SISO	Ant3	5755	35.28	5737.32	5772.60	≥0.5	PASS
		5795	35.28	5777.32	5812.60	≥0.5	PASS
11ac80SISO	Ant3	5775	75.52	5737.24	5812.76	≥0.5	PASS



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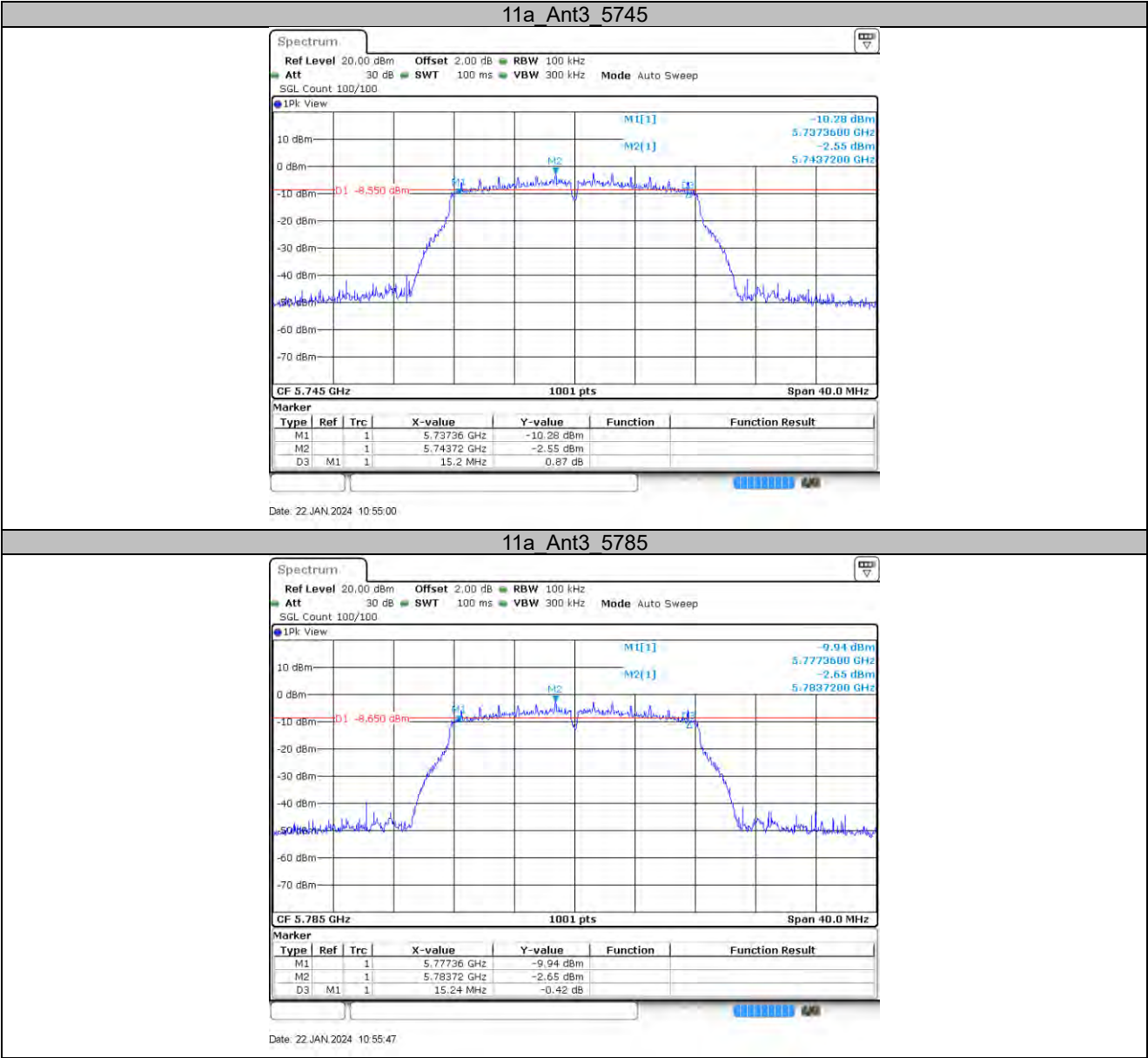
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Test Graphs



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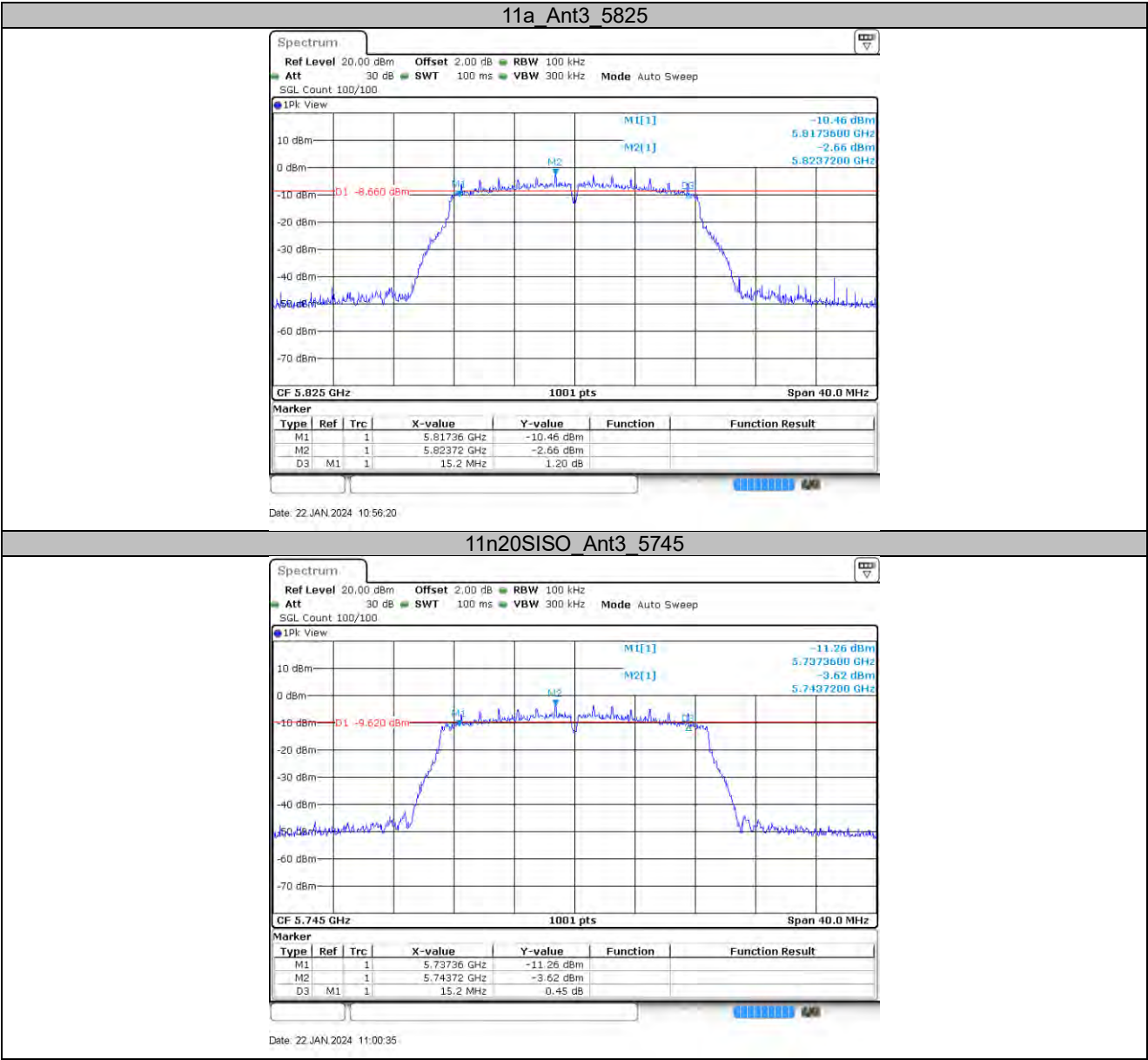
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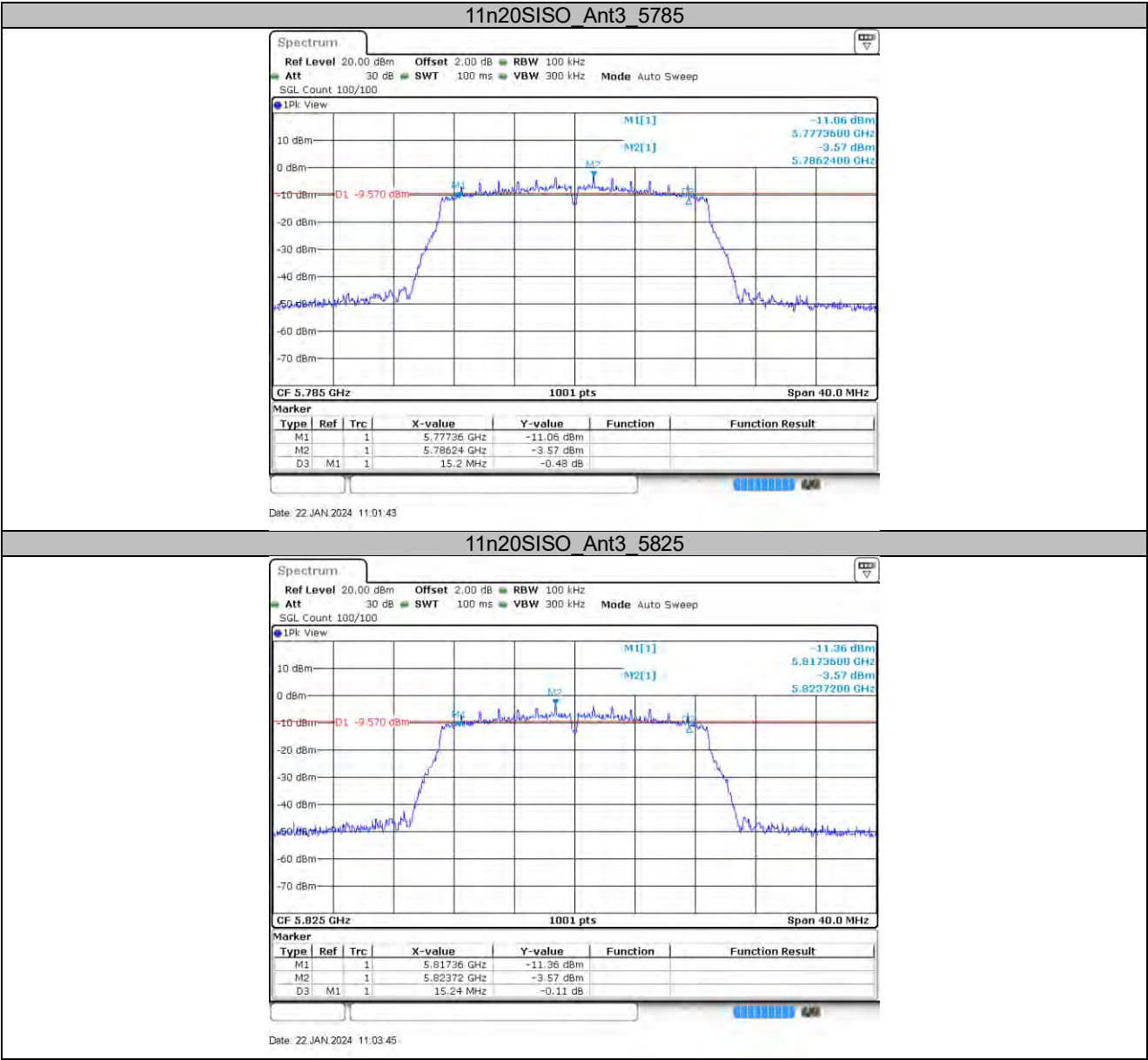
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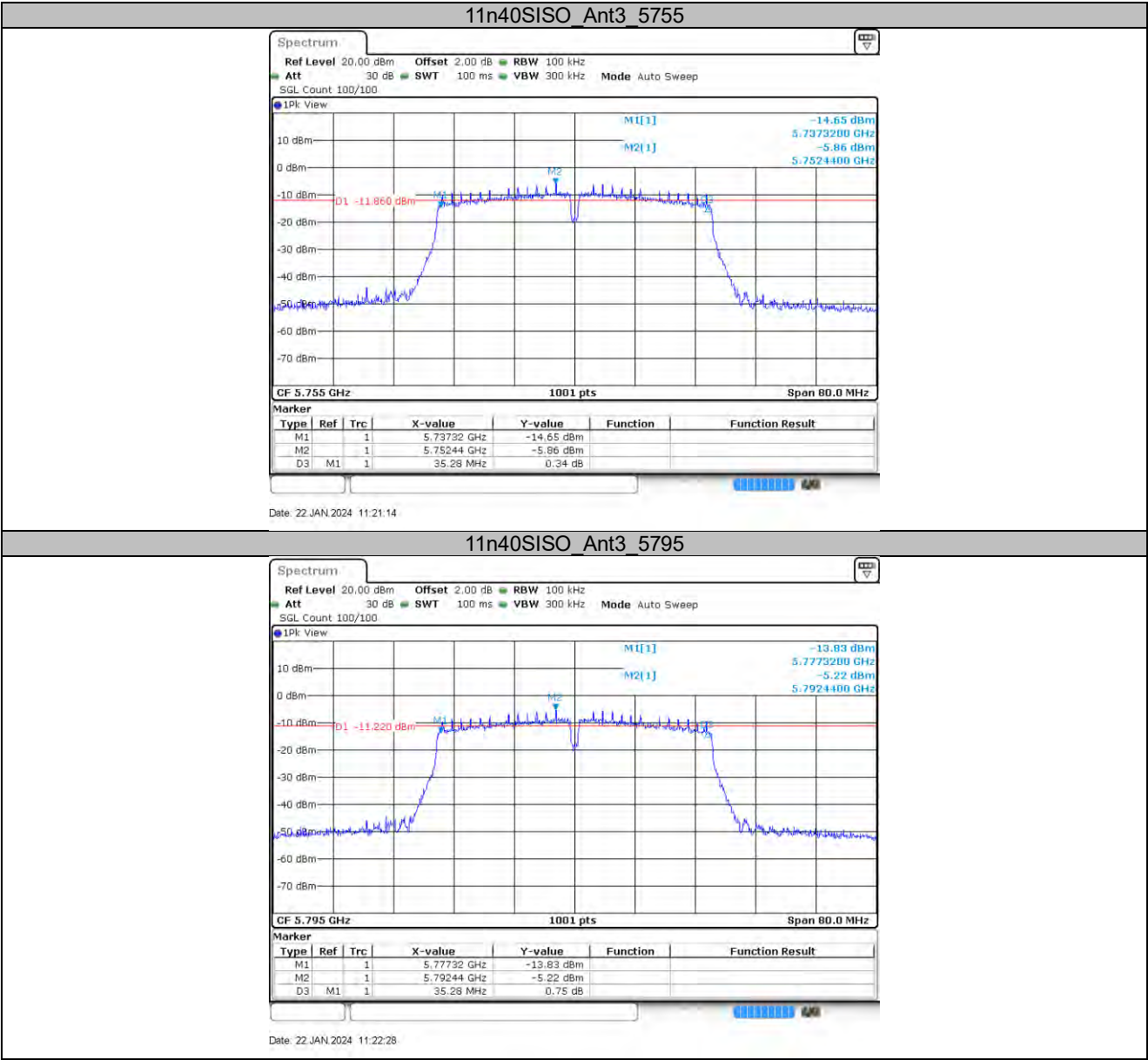
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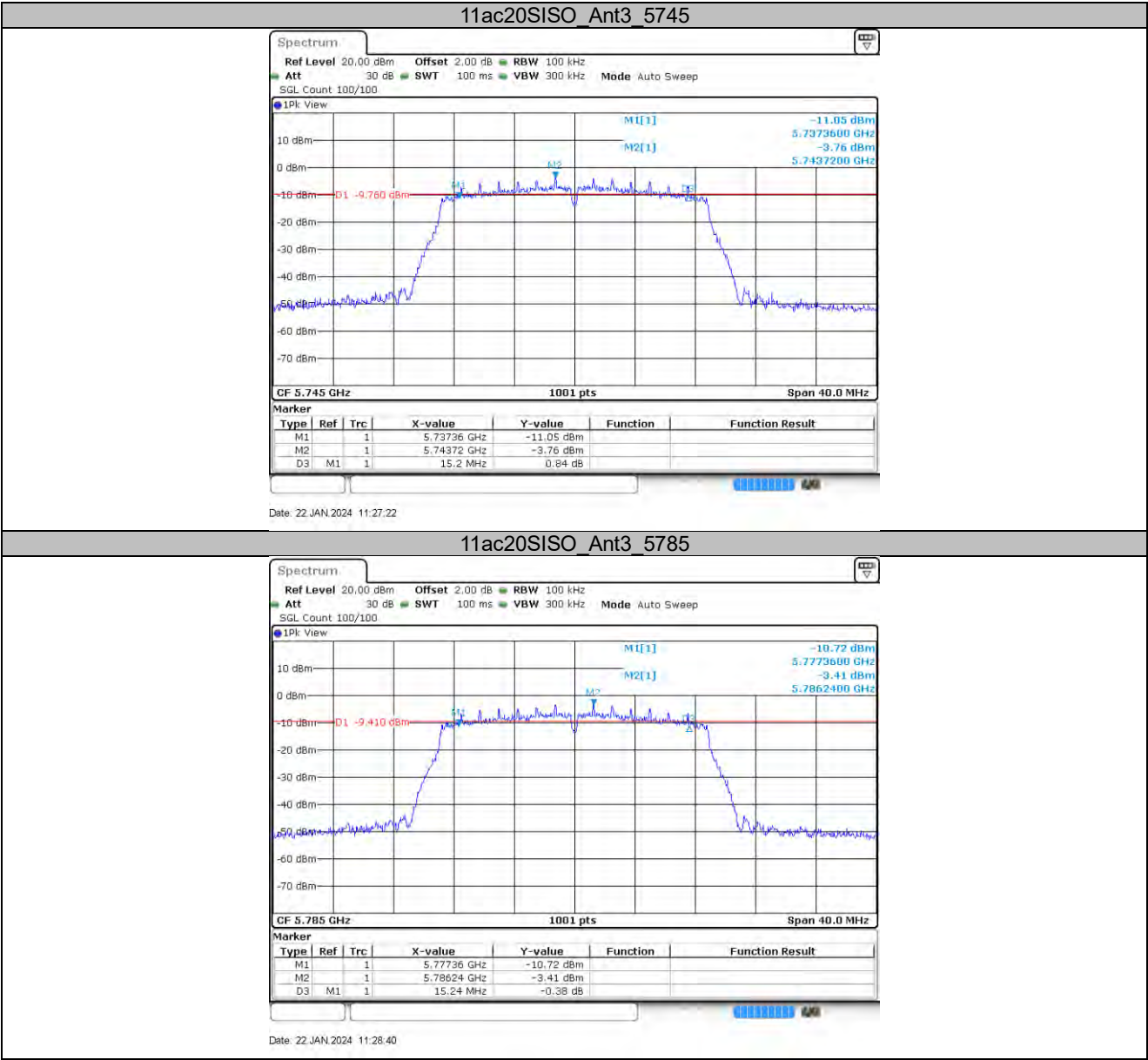
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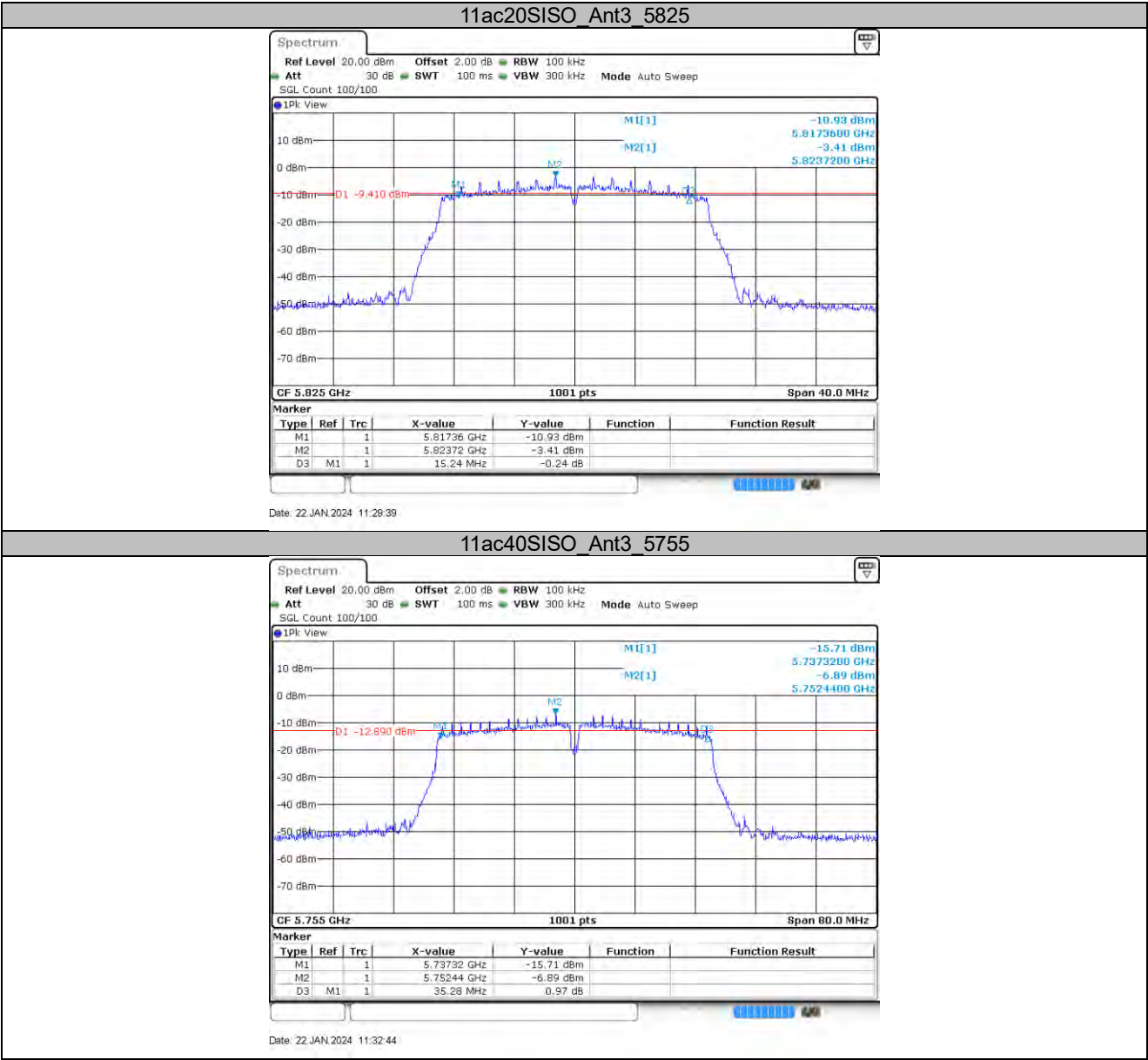
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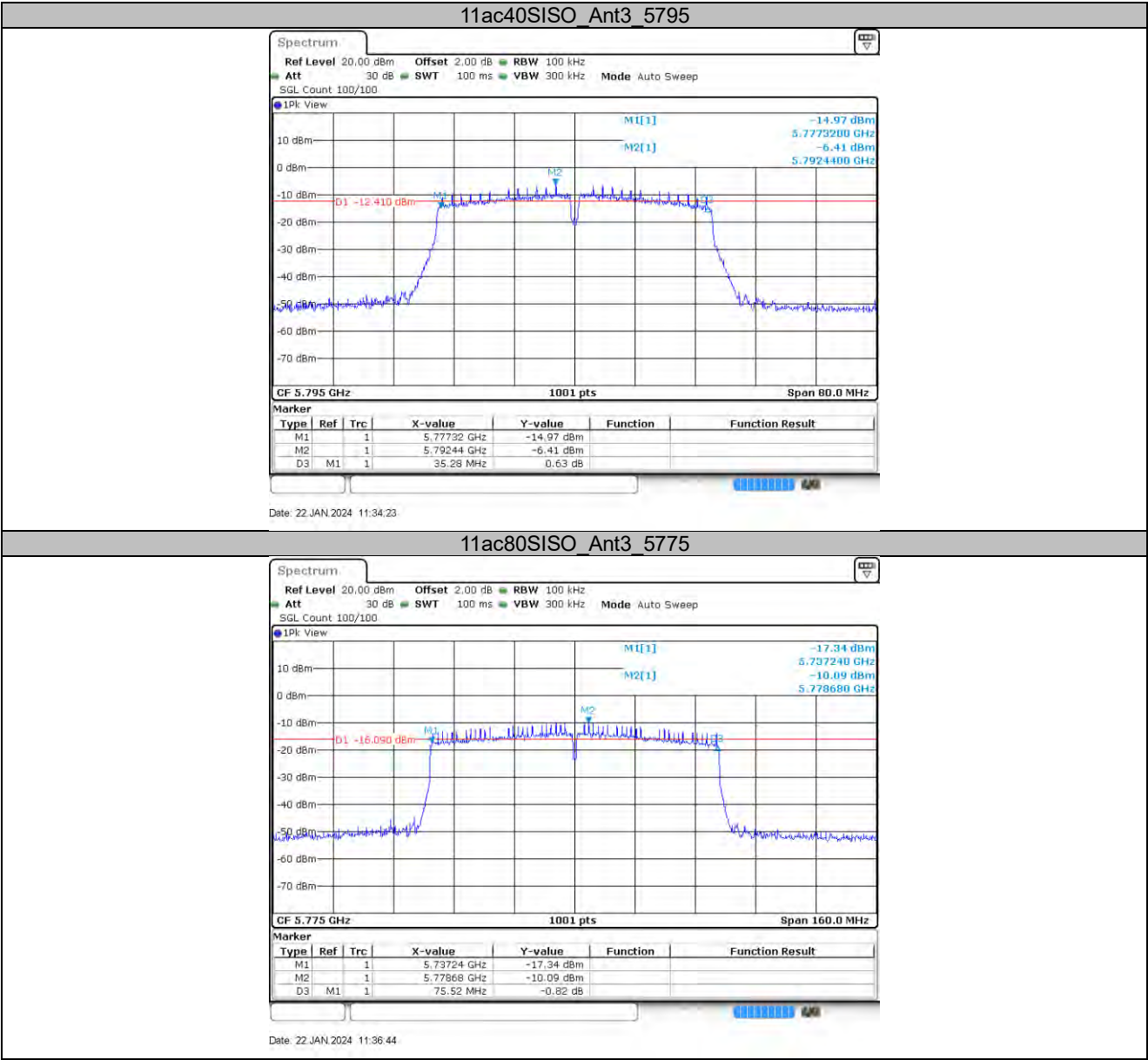
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Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11a	Ant3	5180	1.39	1.44	96.53
11n20SISO	Ant3	5180	1.30	1.35	96.30
11n40SISO	Ant3	5190	0.65	0.69	94.20
11ac20SISO	Ant3	5180	1.32	1.36	97.06
11ac40SISO	Ant3	5190	0.65	0.69	94.20
11ac80SISO	Ant3	5210	0.33	0.37	89.19

Note:

Radiated Emission Average VBW = 1 / T

TestMode	T[ms]	Period[ms]	Duty Cycle[%]	1/T[kHz]	VBW Setting
11a	1.39	1.44	96.53	0.71942	0.8KHz
11n20SISO	1.30	1.35	96.30	0.76923	0.8KHz
11n40SISO	0.65	0.69	94.20	1.53846	1.6KHz
11ac80SISO	0.33	0.37	89.19	3.03030	3.1KHz



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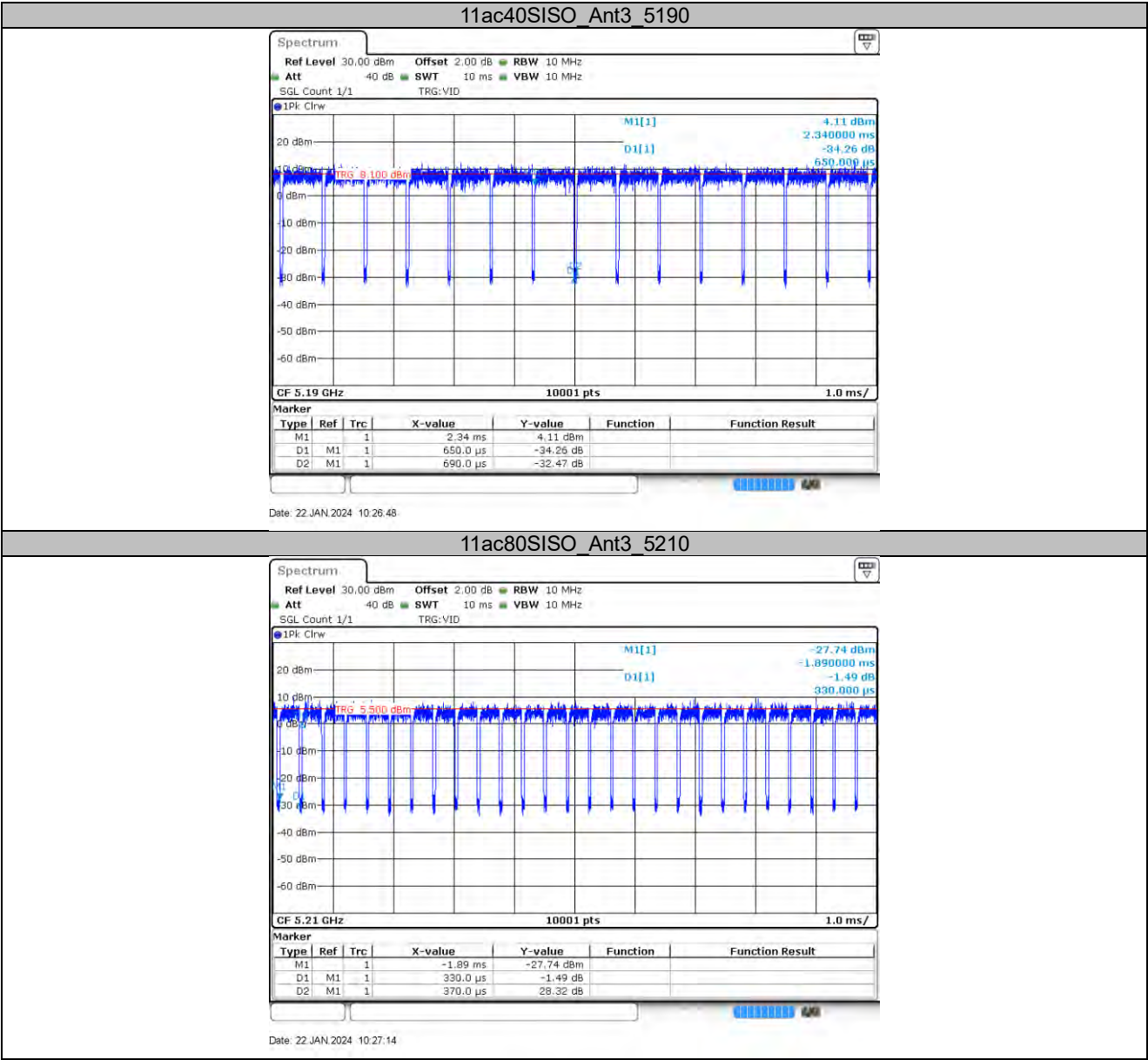
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Maximum conducted output power Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11a	Ant3	5180	6.58	≤23.98	PASS
		5220	6.55	≤23.98	PASS
		5240	6.65	≤23.98	PASS
		5745	8.02	≤30.00	PASS
		5785	8.07	≤30.00	PASS
		5825	7.99	≤30.00	PASS
11n20SISO	Ant3	5180	4.61	≤23.98	PASS
		5220	4.80	≤23.98	PASS
		5240	4.89	≤23.98	PASS
		5745	7.17	≤30.00	PASS
		5785	7.07	≤30.00	PASS
		5825	7.25	≤30.00	PASS
11n40SISO	Ant3	5190	4.73	≤23.98	PASS
		5230	4.72	≤23.98	PASS
		5755	7.95	≤30.00	PASS
		5795	7.94	≤30.00	PASS
11ac20SISO	Ant3	5180	4.18	≤23.98	PASS
		5220	4.20	≤23.98	PASS
		5240	4.31	≤23.98	PASS
		5745	7.45	≤30.00	PASS
		5785	7.15	≤30.00	PASS
		5825	7.00	≤30.00	PASS
11ac40SISO	Ant3	5190	3.76	≤23.98	PASS
		5230	3.95	≤23.98	PASS
		5755	7.04	≤30.00	PASS
		5795	6.73	≤30.00	PASS
11ac80SISO	Ant3	5210	3.48	≤23.98	PASS
		5775	7.20	≤30.00	PASS



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Maximum power spectral density Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11a	Ant3	5180	-3.75	≤11.00	PASS
		5220	-3.72	≤11.00	PASS
		5240	-3.67	≤11.00	PASS
		5745	-5.16	≤30.00	PASS
		5785	-5.08	≤30.00	PASS
		5825	-4.78	≤30.00	PASS
11n20SISO	Ant3	5180	-5.84	≤11.00	PASS
		5220	-5.64	≤11.00	PASS
		5240	-5.59	≤11.00	PASS
		5745	-6.33	≤30.00	PASS
		5785	-6.20	≤30.00	PASS
		5825	-6.48	≤30.00	PASS
11n40SISO	Ant3	5190	-8.58	≤11.00	PASS
		5230	-8.60	≤11.00	PASS
		5755	-8.45	≤30.00	PASS
		5795	-8.50	≤30.00	PASS
11ac20SISO	Ant3	5180	-6.28	≤11.00	PASS
		5220	-6.24	≤11.00	PASS
		5240	-6.17	≤11.00	PASS
		5745	-5.81	≤30.00	PASS
		5785	-6.15	≤30.00	PASS
		5825	-7.19	≤30.00	PASS
11ac40SISO	Ant3	5190	-9.61	≤11.00	PASS
		5230	-9.52	≤11.00	PASS
		5755	-9.52	≤30.00	PASS
		5795	-9.25	≤30.00	PASS
11ac80SISO	Ant3	5210	-13.00	≤11.00	PASS
		5775	-12.04	≤30.00	PASS

Note:

- 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
- 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



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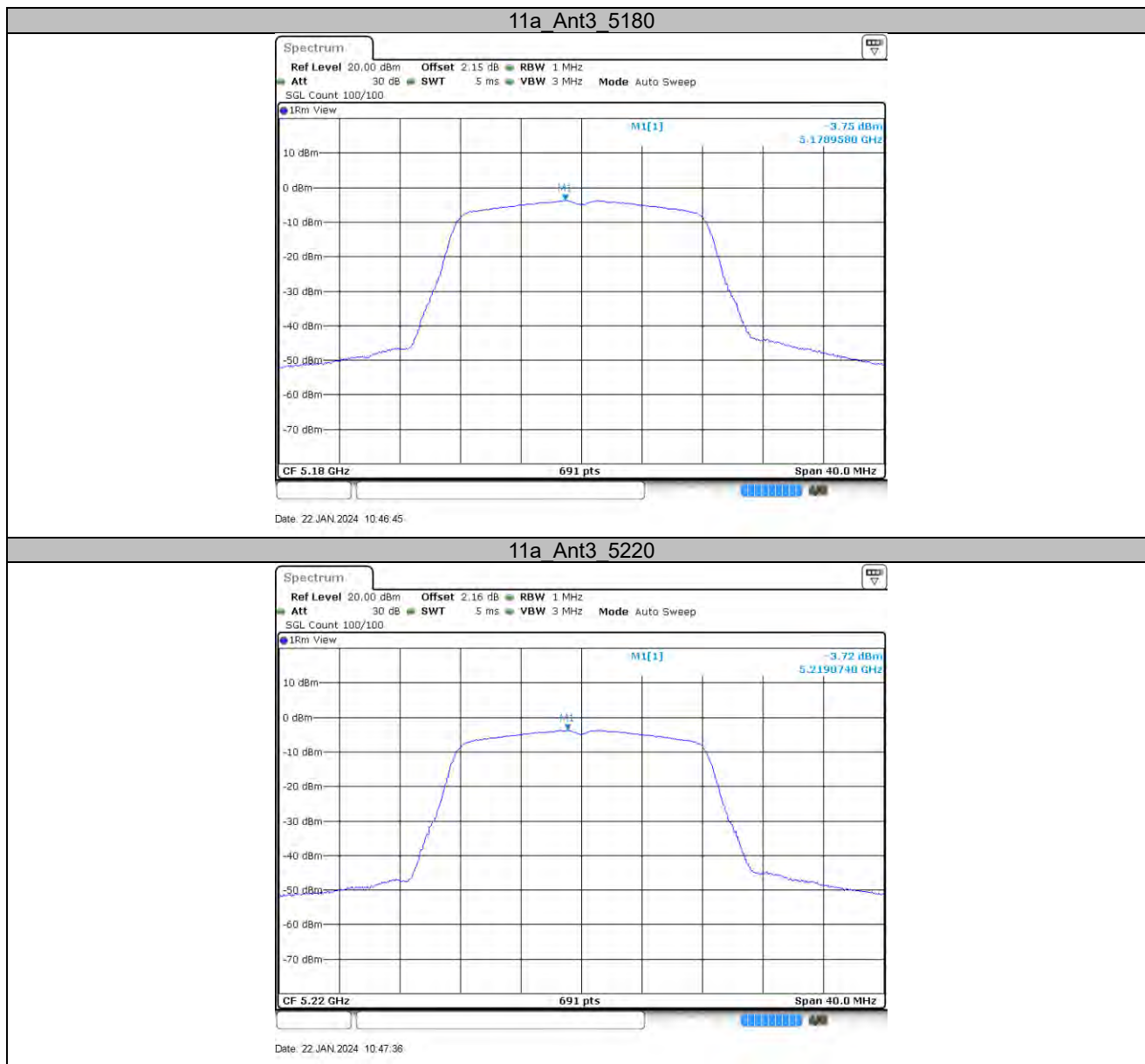
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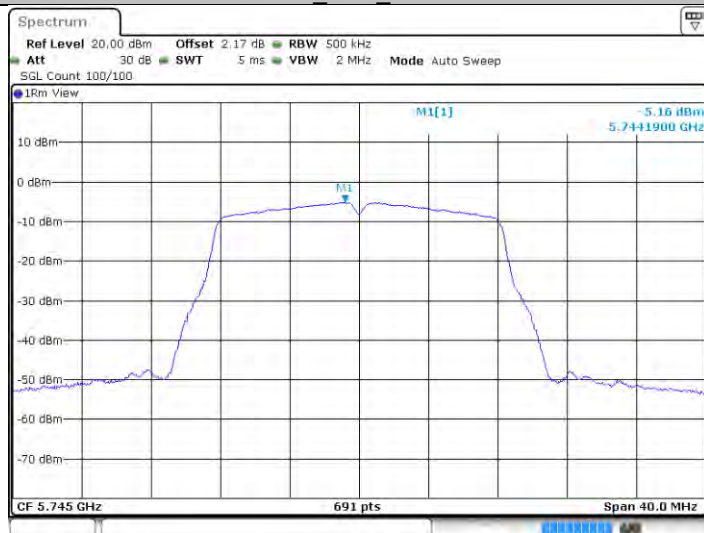
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Date: 22 JAN 2024 10:48:23

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Date: 22 JAN 2024 10:49:38



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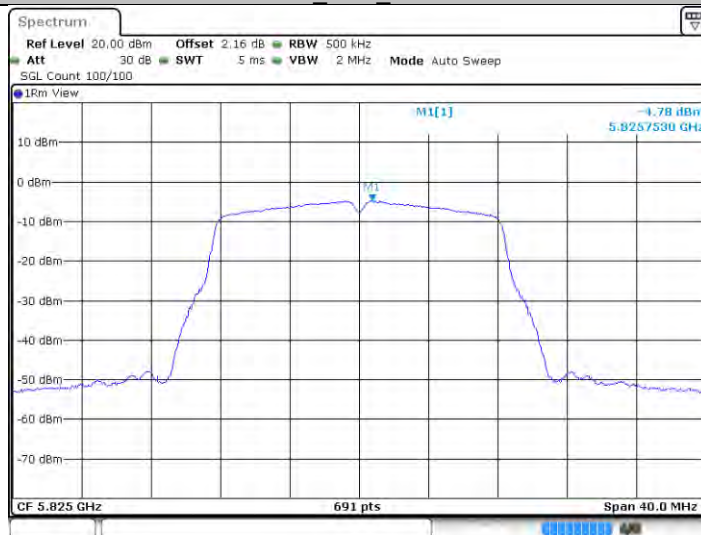
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Date: 22 JAN 2024 11:09:46

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Date: 22 JAN 2024 11:10:32



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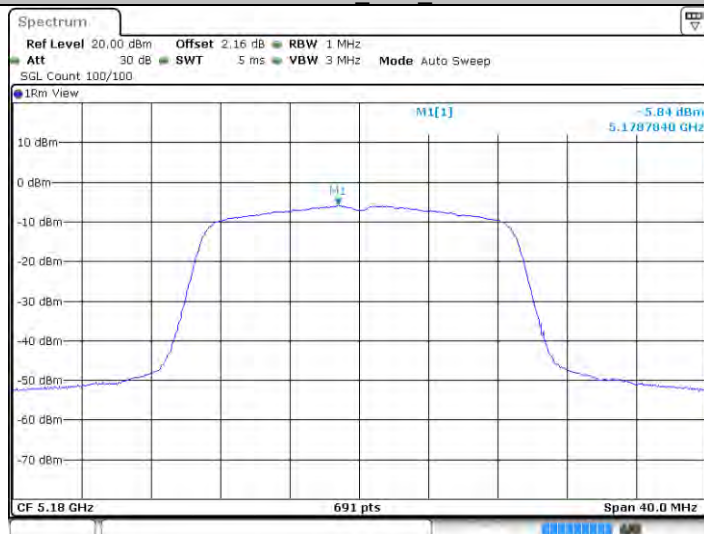
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Date: 22 JAN 2024 10:58:18

11n20SISO_Ant3_5220



Date: 22 JAN 2024 10:59:11



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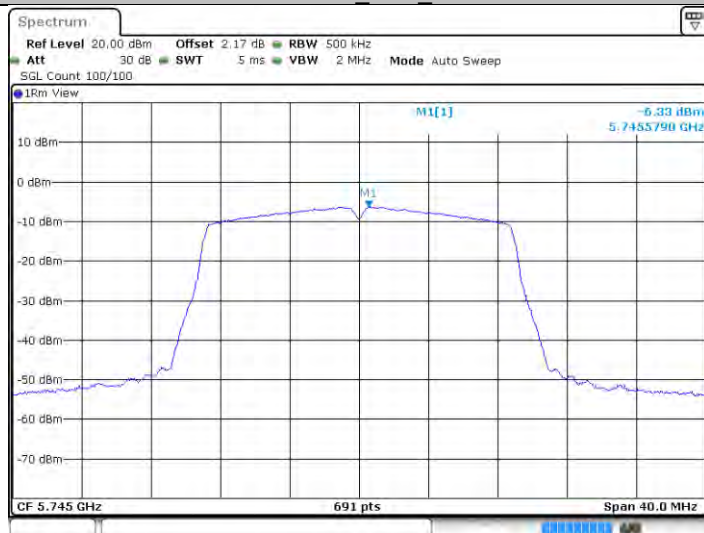
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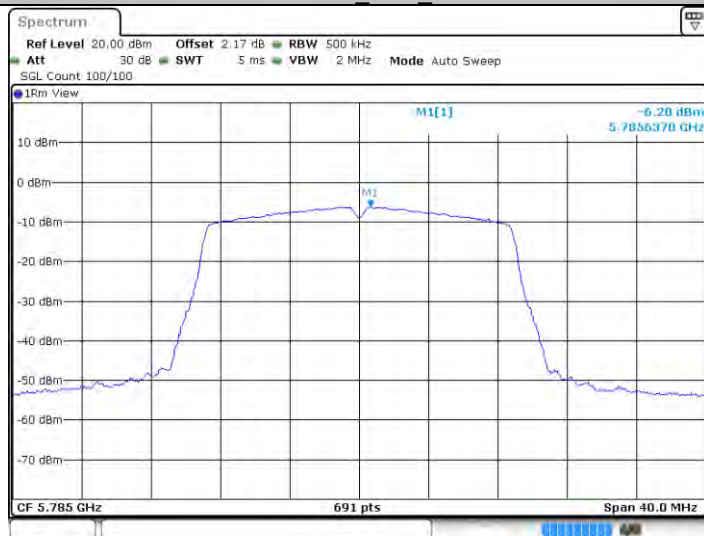
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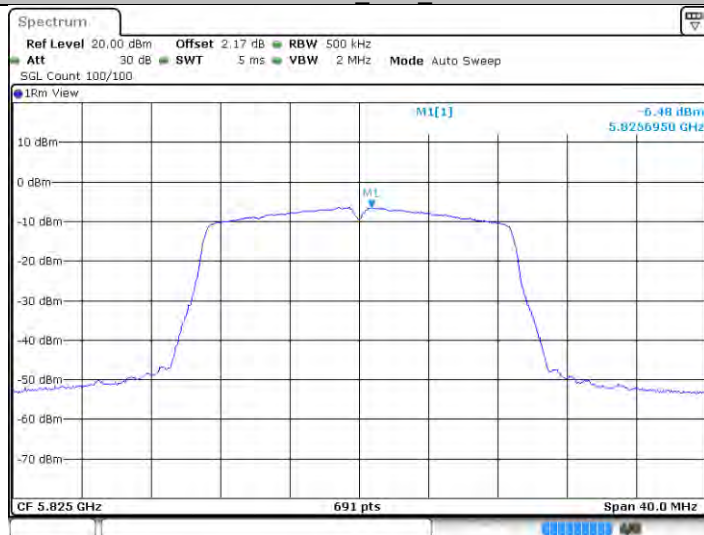
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Date: 22 JAN 2024 11:15:00

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Date: 22 JAN 2024 11:17:00



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Date: 22 JAN 2024 11:20:44



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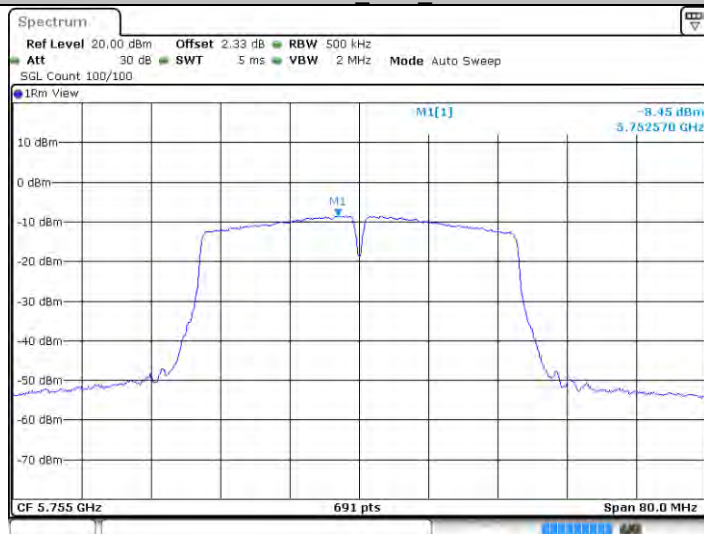
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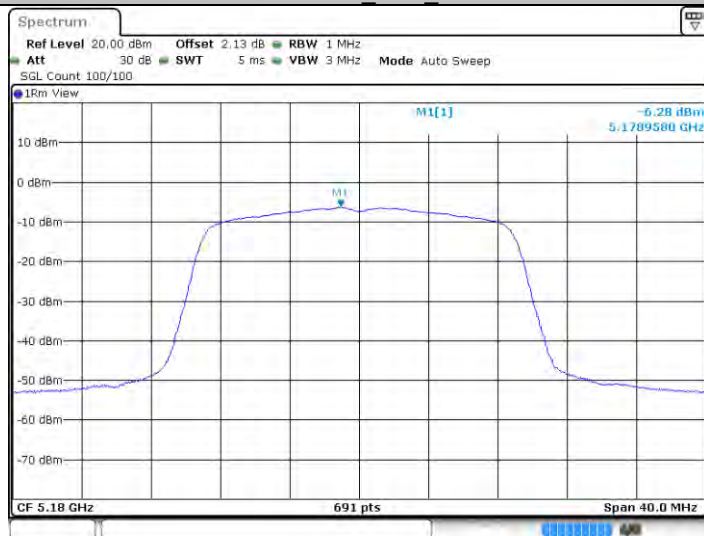
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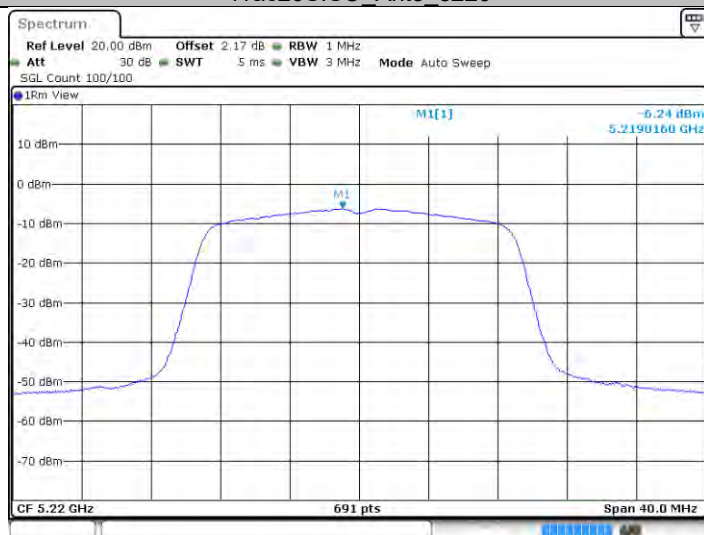
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Date: 22 JAN 2024 11:24:42

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Date: 22 JAN 2024 11:25:27



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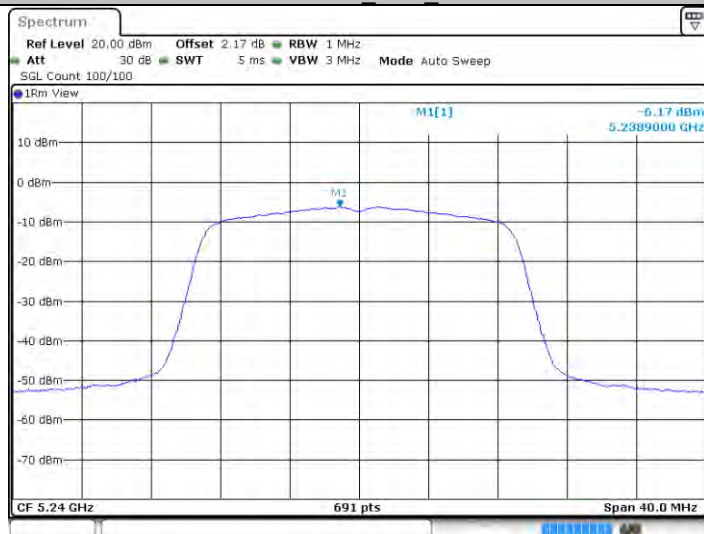
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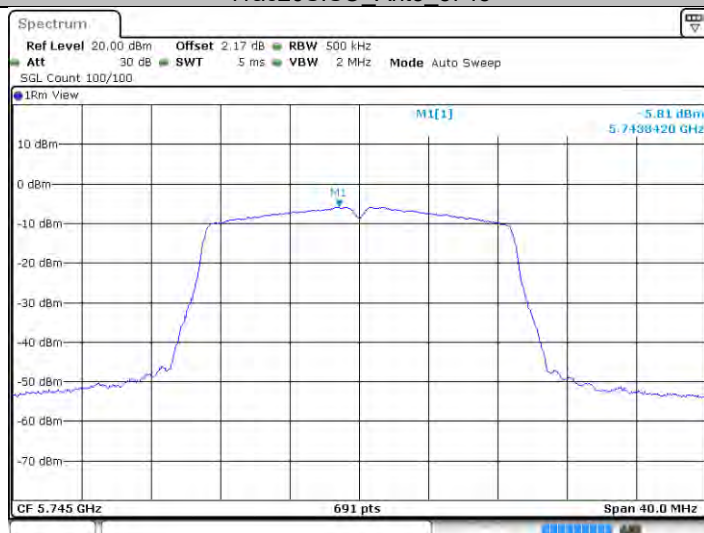
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Date: 22 JAN 2024 11:26:43.

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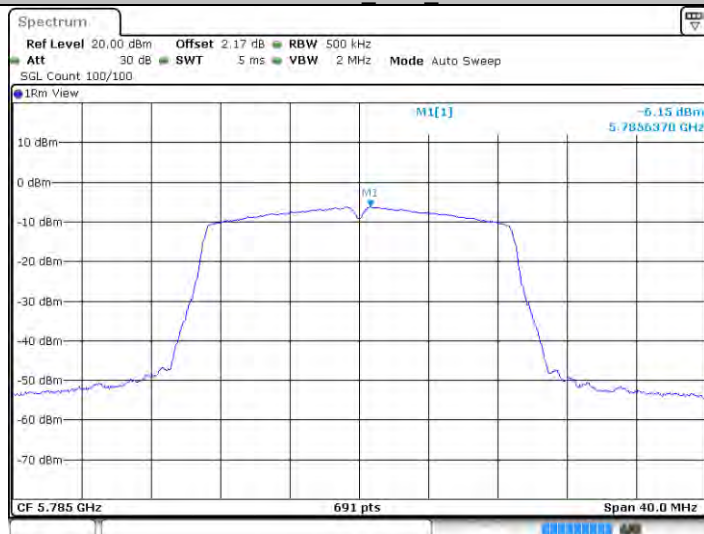
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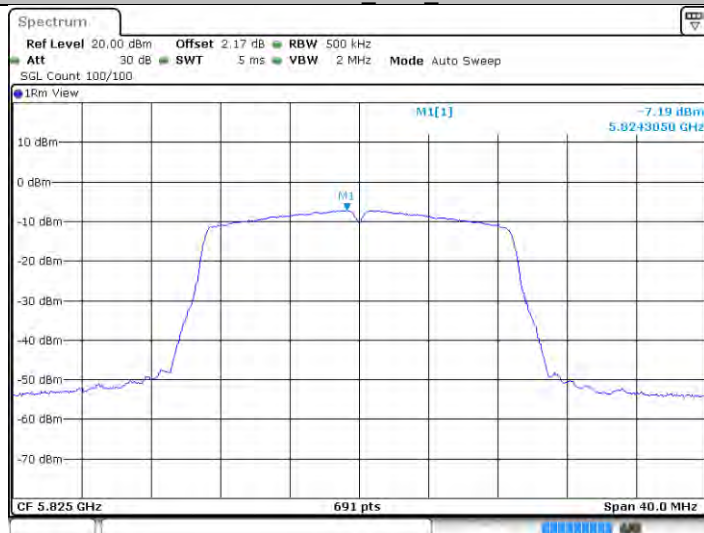
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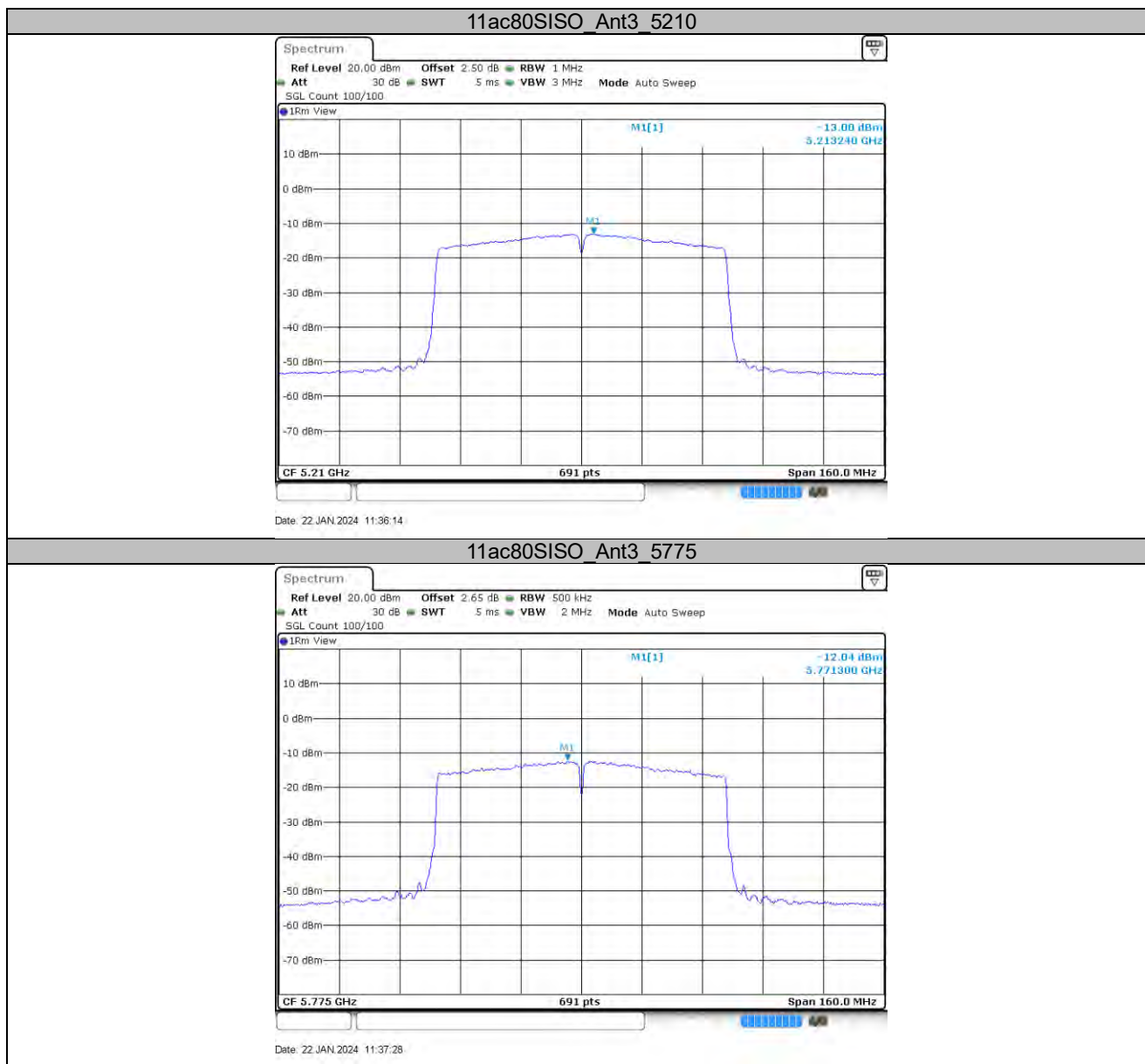
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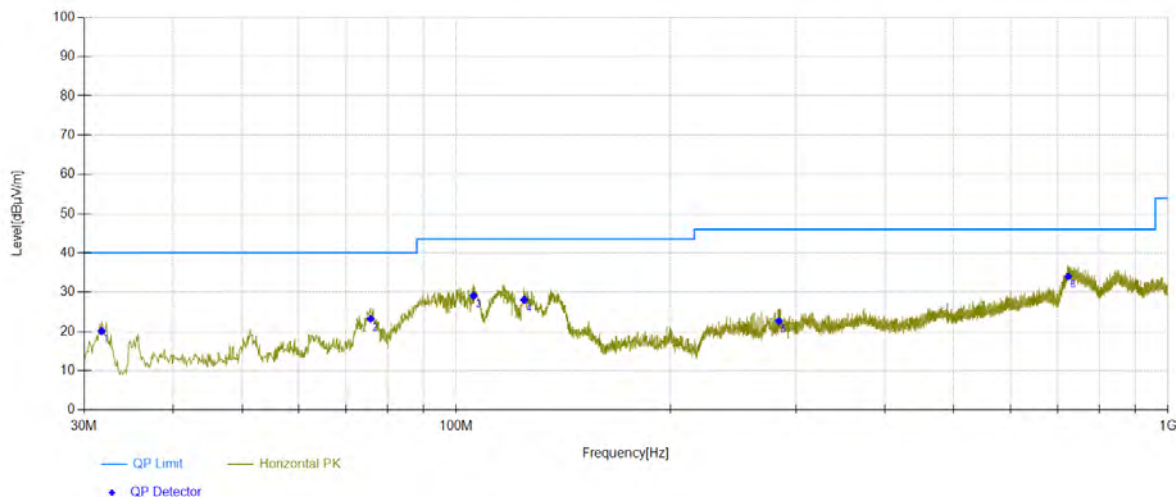
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11ac80_Channel 42



Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	31.7462	36.6	-25.36	8.88	20.12	40.00	19.88	Horizontal
2	75.7886	36.29	-24.50	11.44	23.23	40.00	16.77	Horizontal
3	105.7646	41.46	-24.48	12.12	29.10	43.50	14.40	Horizontal
4	124.5845	40.52	-24.18	11.72	28.06	43.50	15.44	Horizontal
5	283.9714	31.35	-22.96	14.25	22.64	46.00	23.36	Horizontal
6	724.2014	25.91	-20.72	28.84	34.03	46.00	11.97	Horizontal



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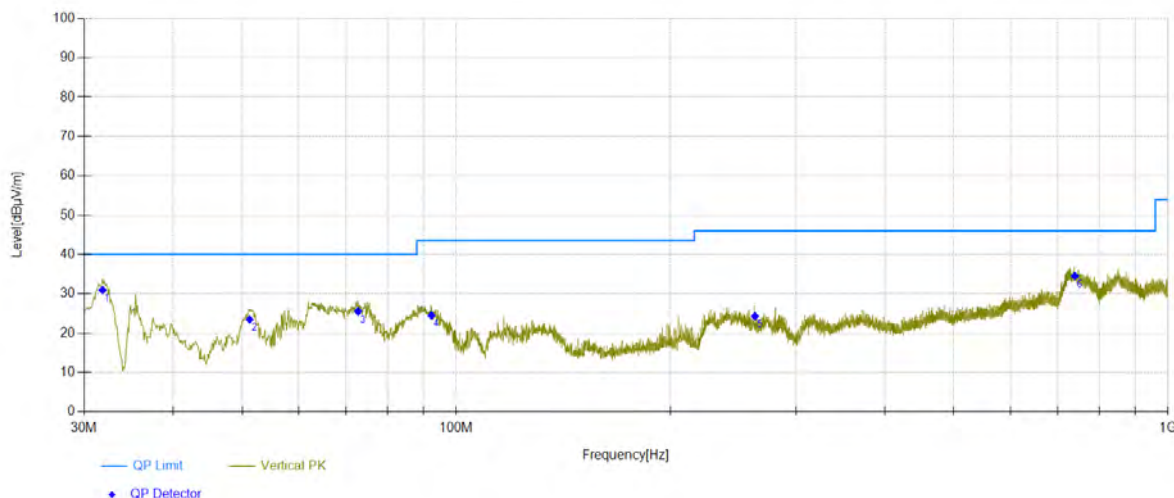
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	31.8432	47.46	-25.36	8.86	30.96	40.00	9.04	Vertical
2	51.2451	37.45	-25.06	11.07	23.46	40.00	16.54	Vertical
3	72.7813	38.31	-24.49	11.70	25.52	40.00	14.48	Vertical
4	92.2802	34.63	-24.48	14.38	24.53	43.50	18.97	Vertical
5	262.8233	34.37	-23.13	13.07	24.31	46.00	21.69	Vertical
6	739.626	26.62	-20.76	28.68	34.54	46.00	11.46	Vertical

Remark:

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

$$\text{Value} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB}/\text{m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB}/\text{m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Value}(\text{dB}\mu\text{V}/\text{m})$$
- All channels have been tested, but only the worst case data displayed in this report.



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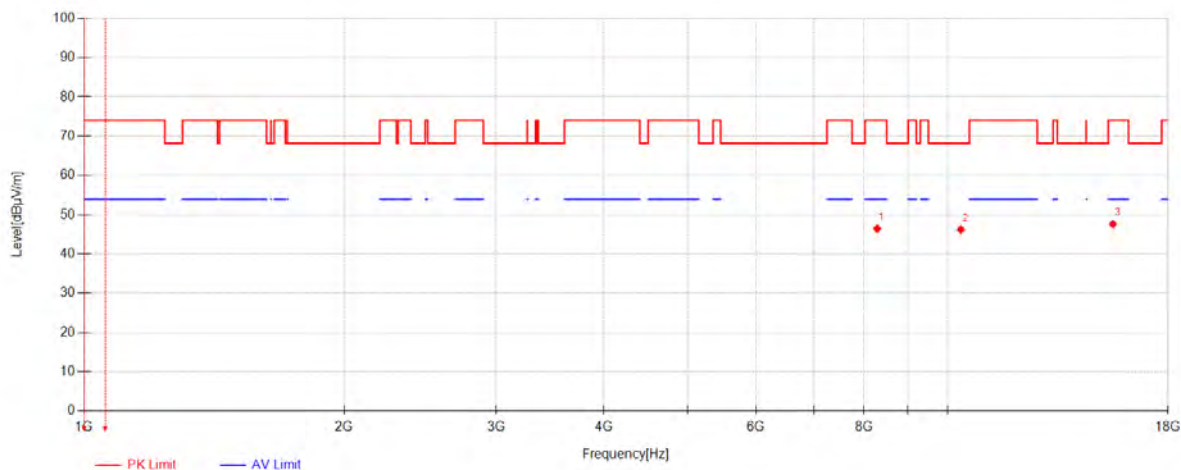


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Transmitter emission Above 1GHz

802.11a_Channel 36



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8287.675	53.94	36.17	-43.66	46.45	74.00	27.55	Horizontal
2	10360.0000	47.78	38.83	-40.37	46.24	68.20	21.96	Horizontal
3	15540.0000	45.20	39.76	-37.36	47.60	74.00	26.40	Horizontal



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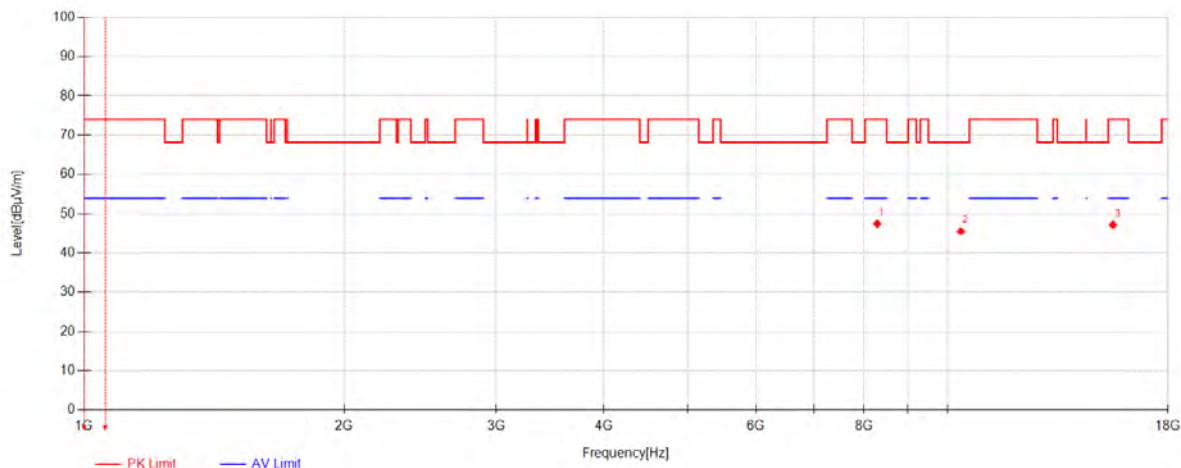
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8287.675	54.93	36.17	-43.66	47.44	74.00	26.56	Vertical
2	10360.0000	47.08	38.83	-40.37	45.54	68.20	22.66	Vertical
3	15540.0000	44.75	39.76	-37.36	47.15	74.00	26.85	Vertical



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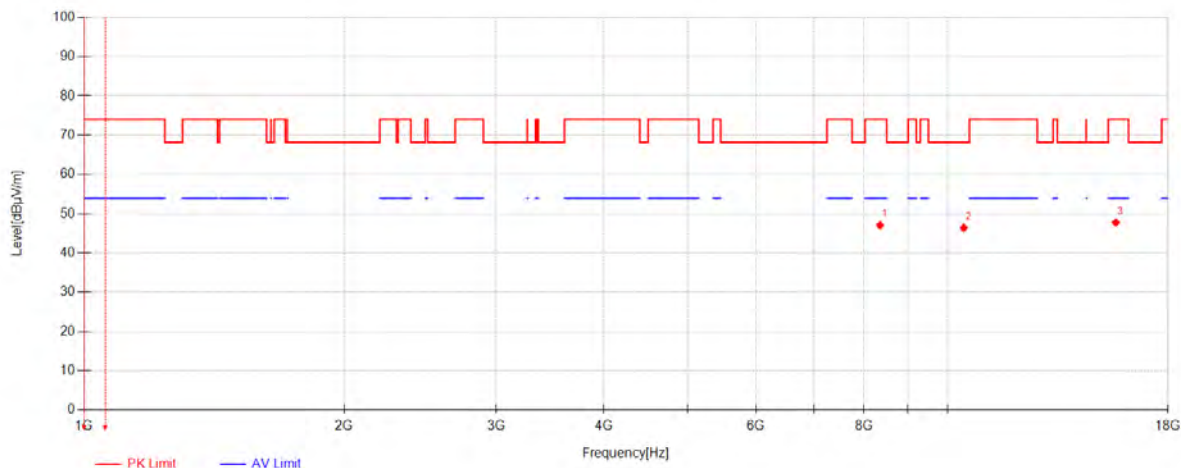
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802.11a_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8351.5	54.46	36.16	-43.57	47.05	74.00	26.95	Horizontal
2	10440.0000	47.76	38.93	-40.27	46.42	68.20	21.78	Horizontal
3	15660.0000	45.84	39.35	-37.43	47.76	74.00	26.24	Horizontal



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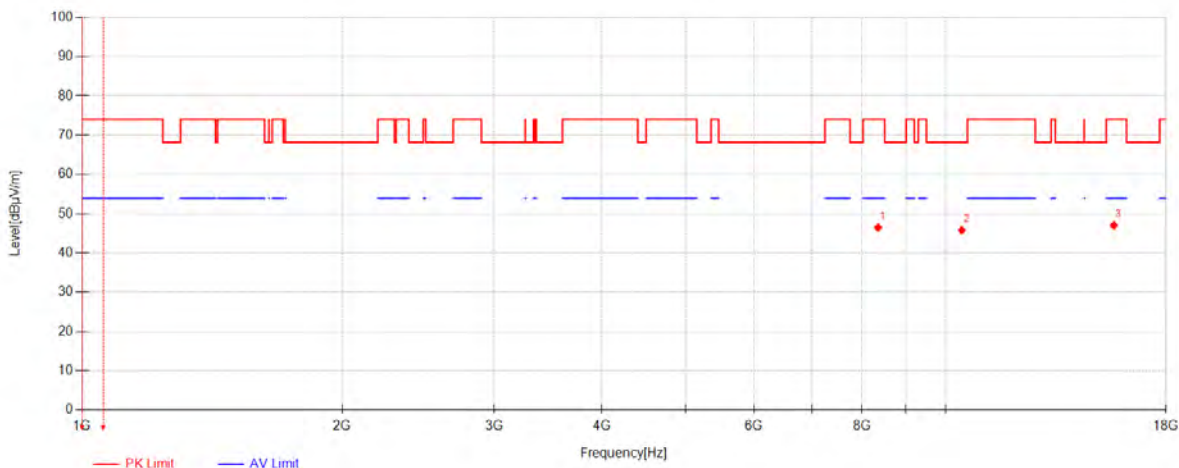
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802.11a_Channel 44



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8351.5	53.88	36.16	-43.57	46.47	74.00	27.53	Vertical
2	10440.0000	47.16	38.93	-40.27	45.82	68.20	22.38	Vertical
3	15660.0000	45.10	39.35	-37.43	47.02	74.00	26.98	Vertical



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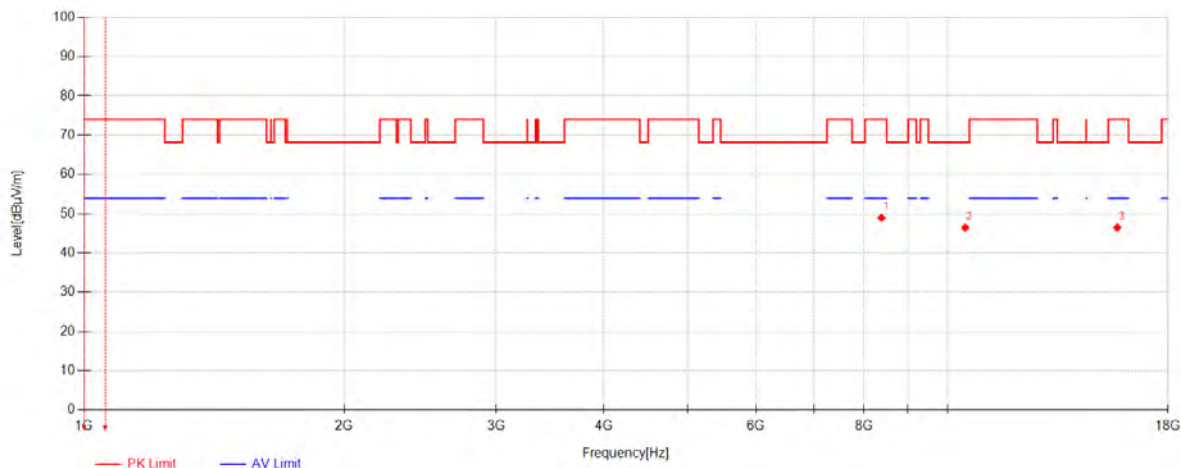
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802.11a_Channel 48



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8383.7	56.32	36.16	-43.49	48.99	74.00	25.01	Horizontal
2	10480.0000	47.42	38.98	-39.94	46.46	68.20	21.74	Horizontal
3	15720.0000	44.95	39.15	-37.62	46.48	74.00	27.52	Horizontal



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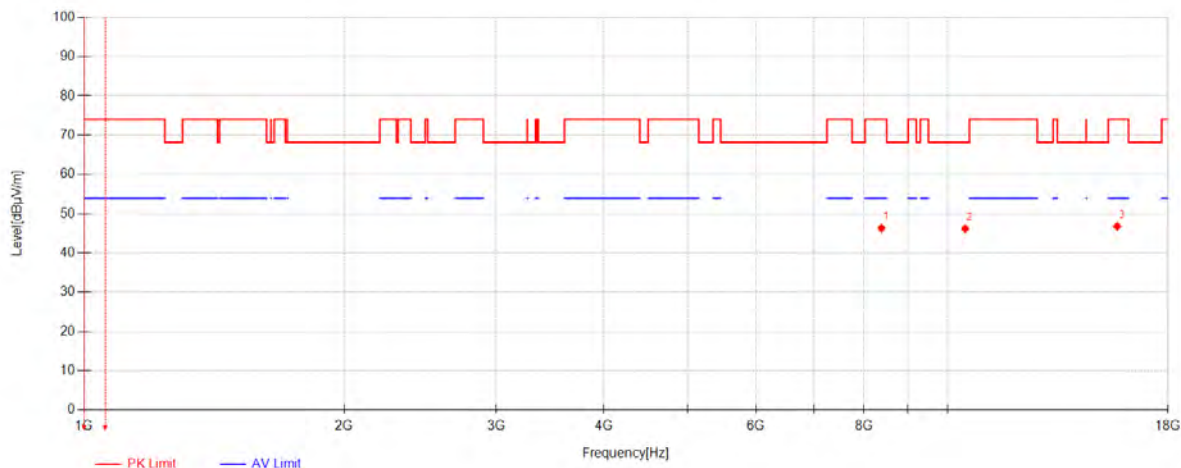
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8383.7	53.67	36.16	-43.49	46.34	74.00	27.66	Vertical
2	10480.0000	47.18	38.98	-39.94	46.22	68.20	21.98	Vertical
3	15720.0000	45.28	39.15	-37.62	46.81	74.00	27.19	Vertical



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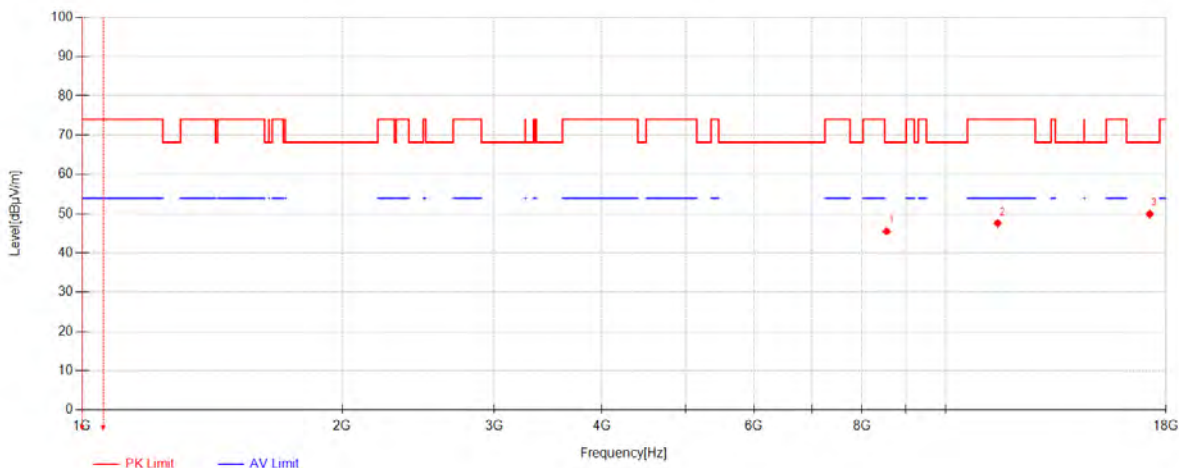
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8544.125	52.61	36.15	-43.22	45.54	68.20	22.66	Horizontal
2	11490.0000	47.01	39.70	-39.13	47.58	74.00	26.42	Horizontal
3	17235.0000	43.46	42.85	-36.37	49.94	68.20	18.26	Horizontal



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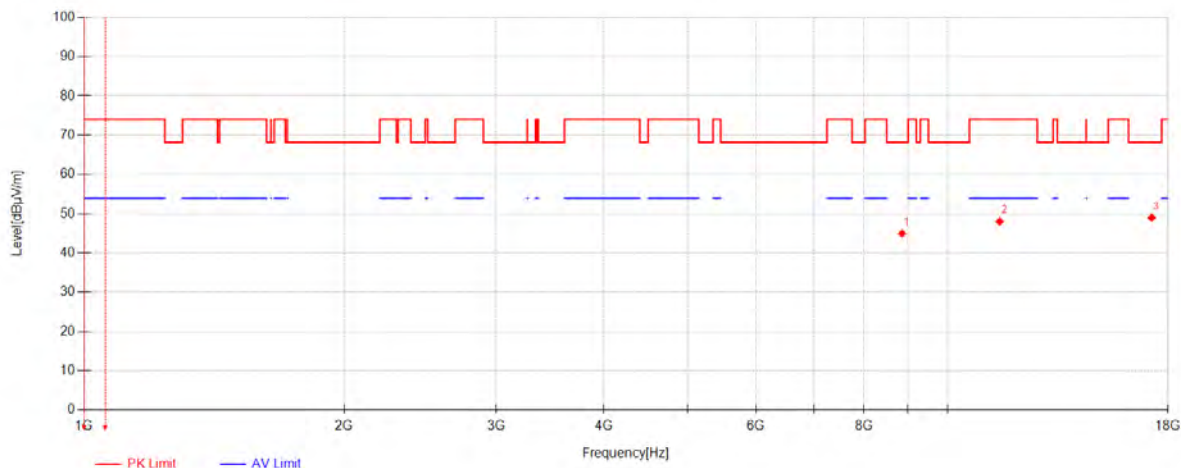
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8855.775	52.04	36.11	-43.19	44.96	68.20	23.24	Vertical
2	11490.0000	47.48	39.70	-39.13	48.05	74.00	25.95	Vertical
3	17235.0000	42.54	42.85	-36.37	49.02	68.20	19.18	Vertical



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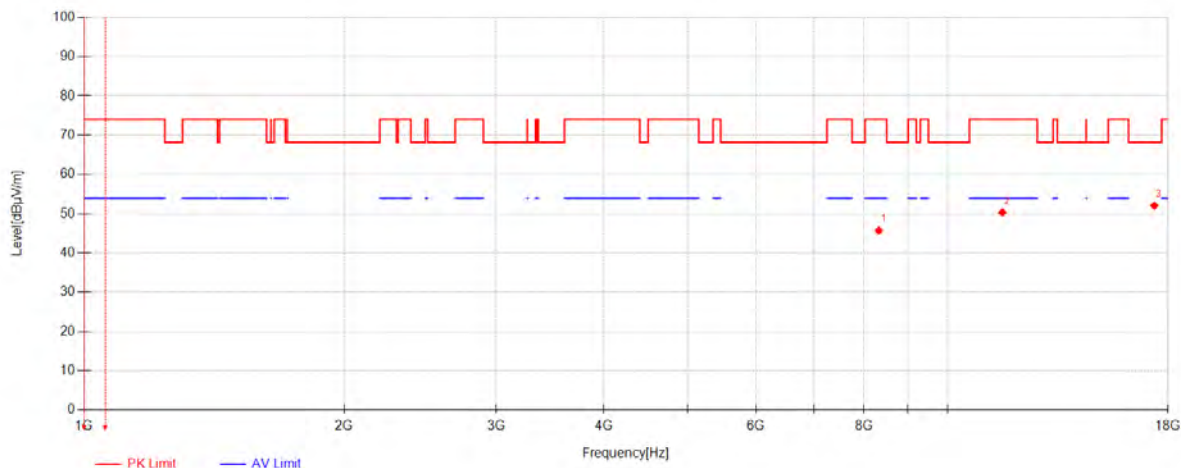
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8325.05	53.19	36.17	-43.63	45.73	74.00	28.27	Horizontal
2	11570.0000	48.63	39.71	-38.00	50.34	74.00	23.66	Horizontal
3	17355.0000	45.01	43.48	-36.45	52.04	68.20	16.16	Horizontal



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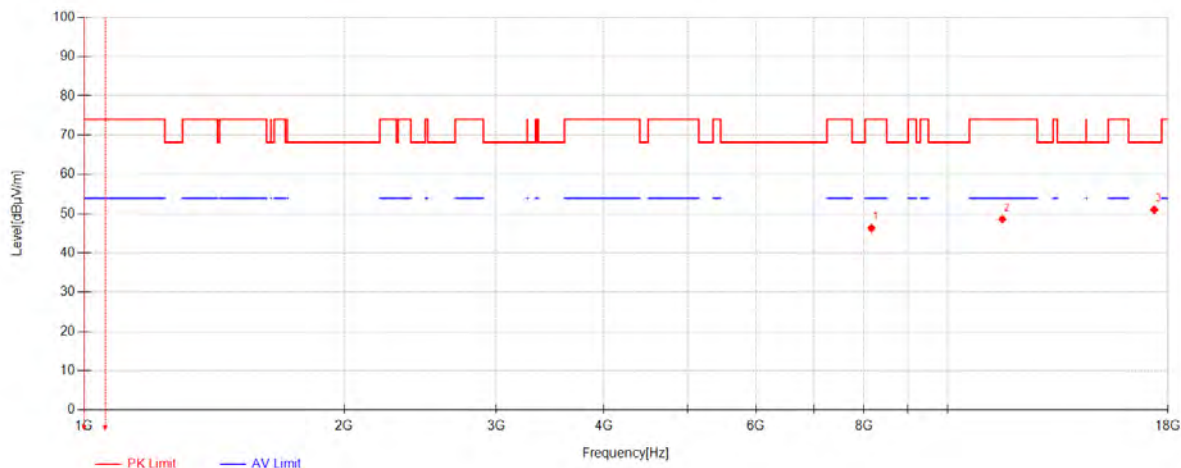
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8161.75	53.74	36.18	-43.58	46.34	74.00	27.66	Vertical
2	11570.0000	46.91	39.71	-38.00	48.62	74.00	25.38	Vertical
3	17355.0000	43.98	43.48	-36.45	51.01	68.20	17.19	Vertical



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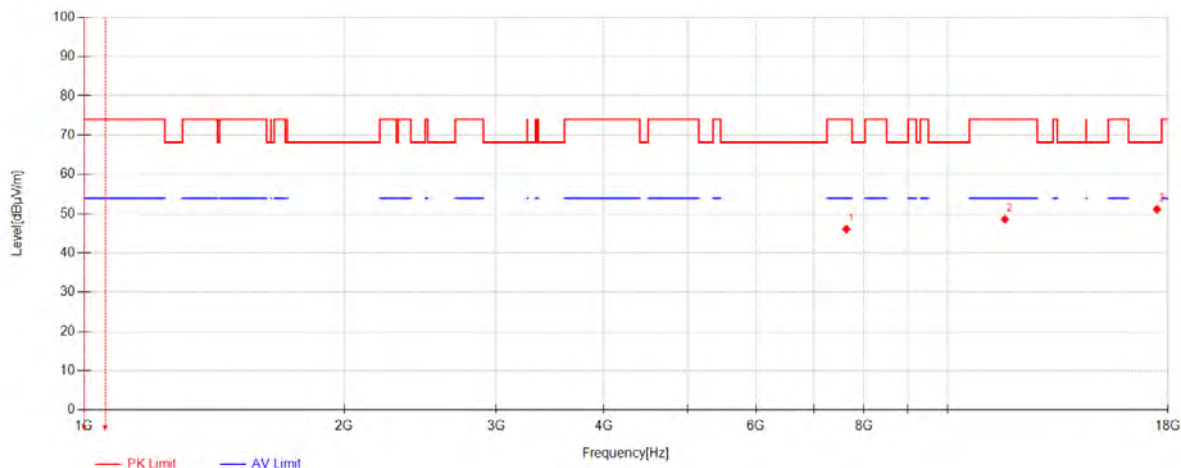
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7633.325	54.05	36.35	-44.29	46.11	74.00	27.89	Horizontal
2	11650.0000	46.99	39.73	-38.13	48.59	74.00	25.41	Horizontal
3	17475.0000	43.09	44.12	-36.09	51.12	68.20	17.08	Horizontal



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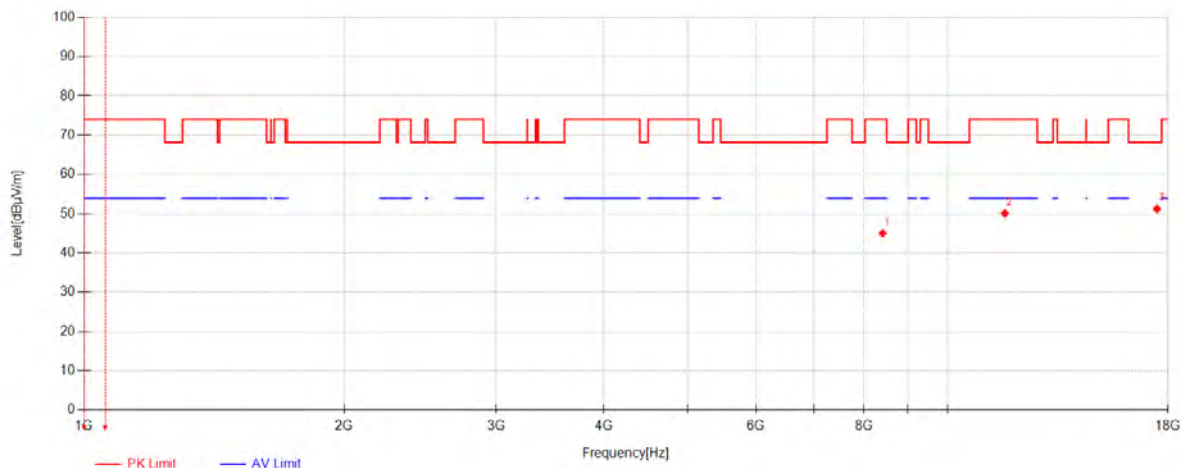
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8408.425	52.30	36.16	-43.46	45.00	74.00	29.00	Vertical
2	11650.0000	48.49	39.73	-38.13	50.09	74.00	23.91	Vertical
3	17475.0000	43.17	44.12	-36.09	51.20	68.20	17.00	Vertical



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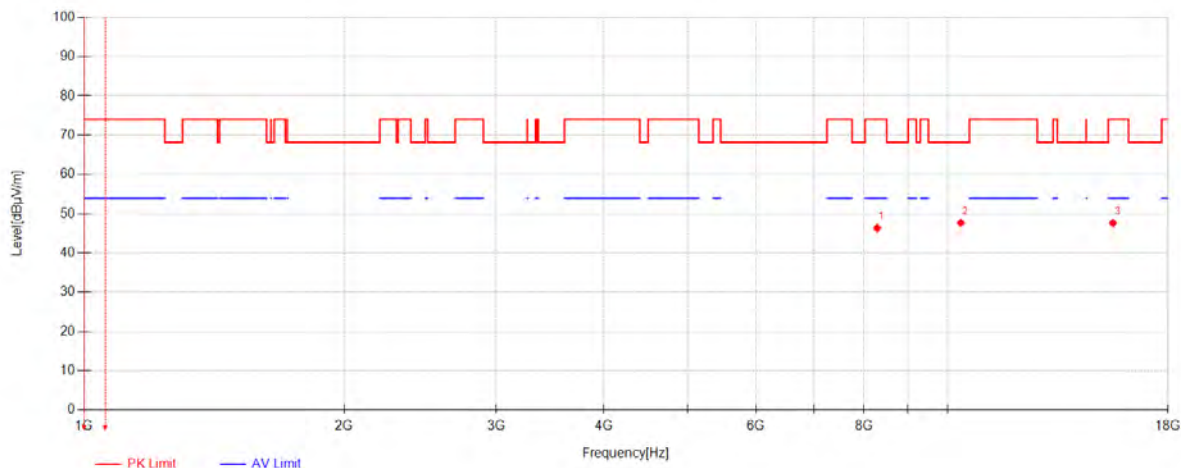
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8287.675	53.84	36.17	-43.66	46.35	74.00	27.65	Horizontal
2	10360.0000	49.18	38.83	-40.37	47.64	68.20	20.56	Horizontal
3	15540.0000	45.22	39.76	-37.36	47.62	74.00	26.38	Horizontal



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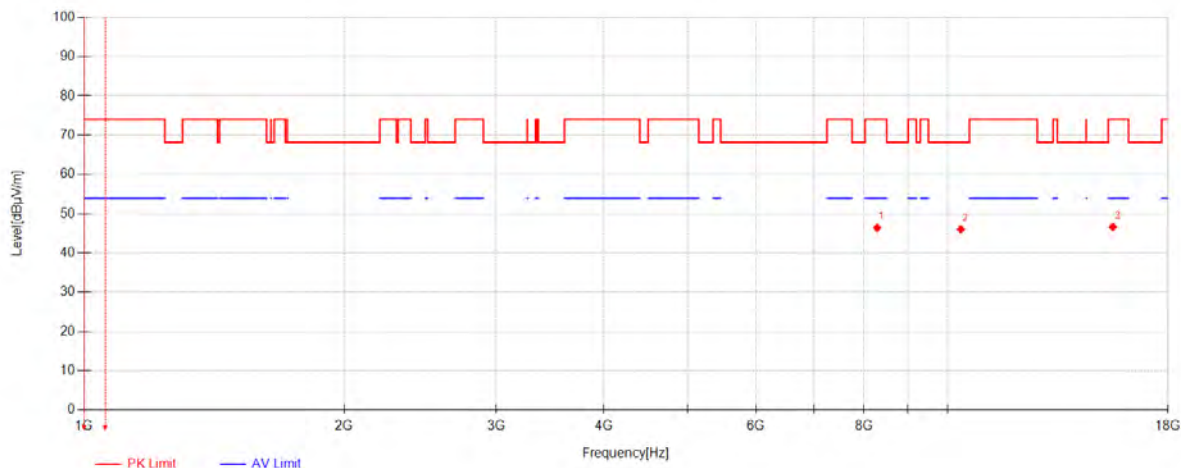
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8287.675	53.91	36.17	-43.66	46.42	74.00	27.58	Vertical
2	10360.0000	47.60	38.83	-40.37	46.06	68.20	22.14	Vertical
3	15540.0000	44.25	39.76	-37.36	46.65	74.00	27.35	Vertical



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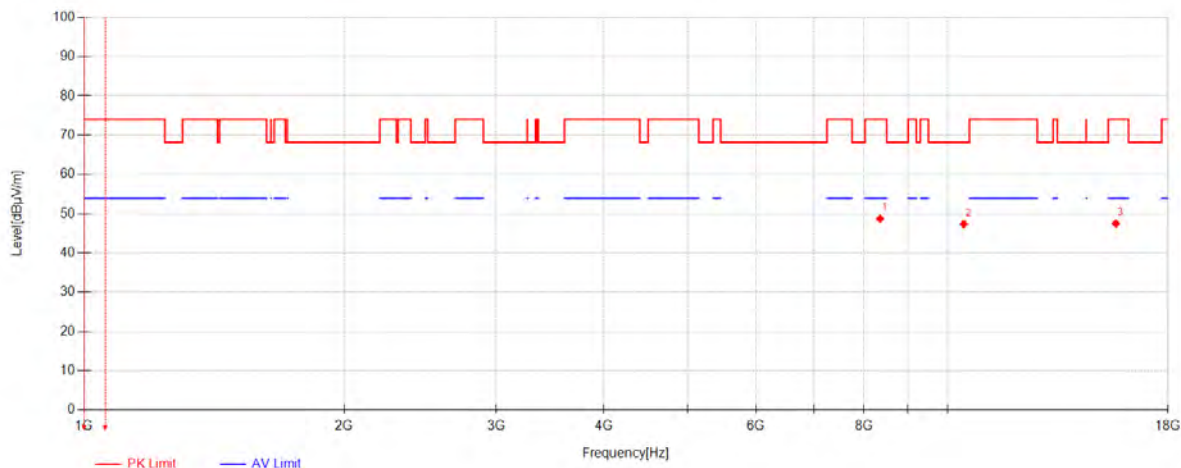
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8352.075	56.15	36.16	-43.57	48.74	74.00	25.26	Horizontal
2	10440.0000	48.70	38.93	-40.27	47.36	68.20	20.84	Horizontal
3	15660.0000	45.57	39.35	-37.43	47.49	74.00	26.51	Horizontal



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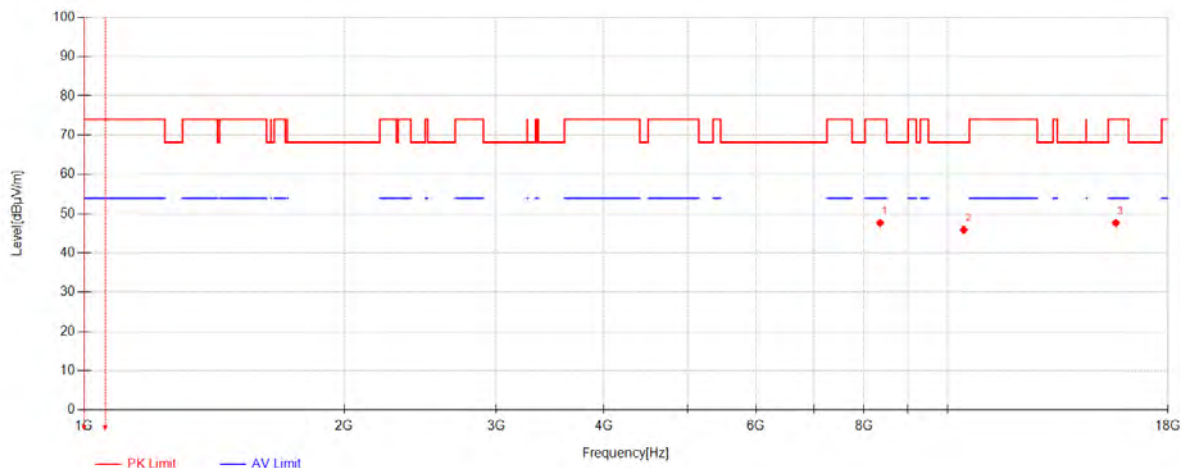
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8352.075	55.05	36.16	-43.57	47.64	74.00	26.36	Vertical
2	10440.0000	47.26	38.93	-40.27	45.92	68.20	22.28	Vertical
3	15660.0000	45.73	39.35	-37.43	47.65	74.00	26.35	Vertical



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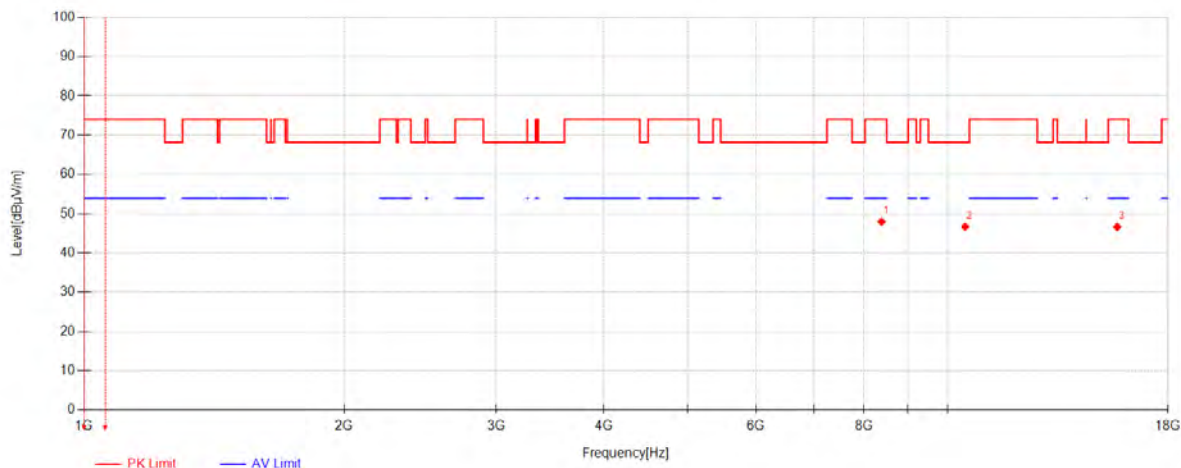
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8384.275	55.31	36.16	-43.49	47.98	74.00	26.02	Horizontal
2	10480.0000	47.68	38.98	-39.94	46.72	68.20	21.48	Horizontal
3	15720.0000	45.12	39.15	-37.62	46.65	74.00	27.35	Horizontal



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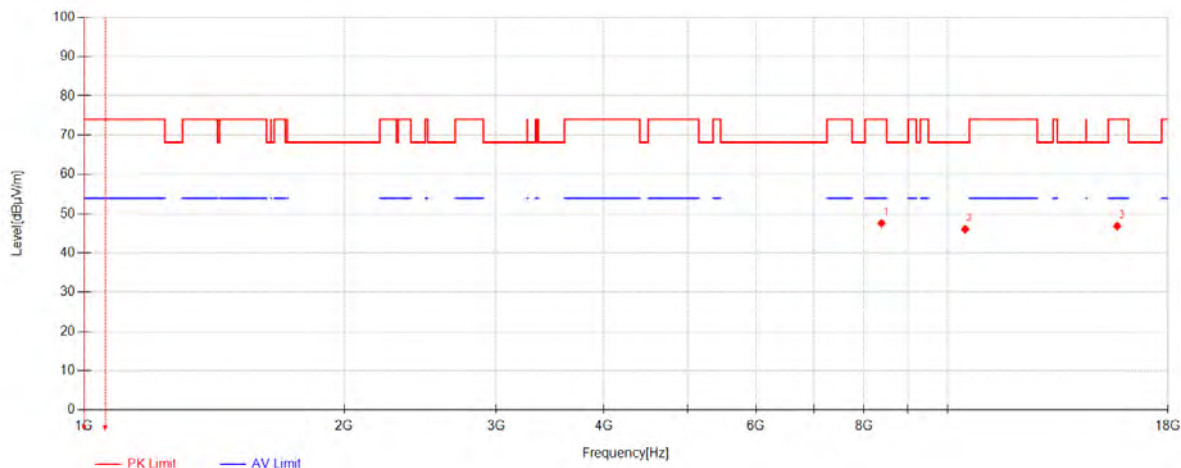
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8383.7	54.90	36.16	-43.49	47.57	74.00	26.43	Vertical
2	10480.0000	47.03	38.98	-39.94	46.07	68.20	22.13	Vertical
3	15720.0000	45.33	39.15	-37.62	46.86	74.00	27.14	Vertical



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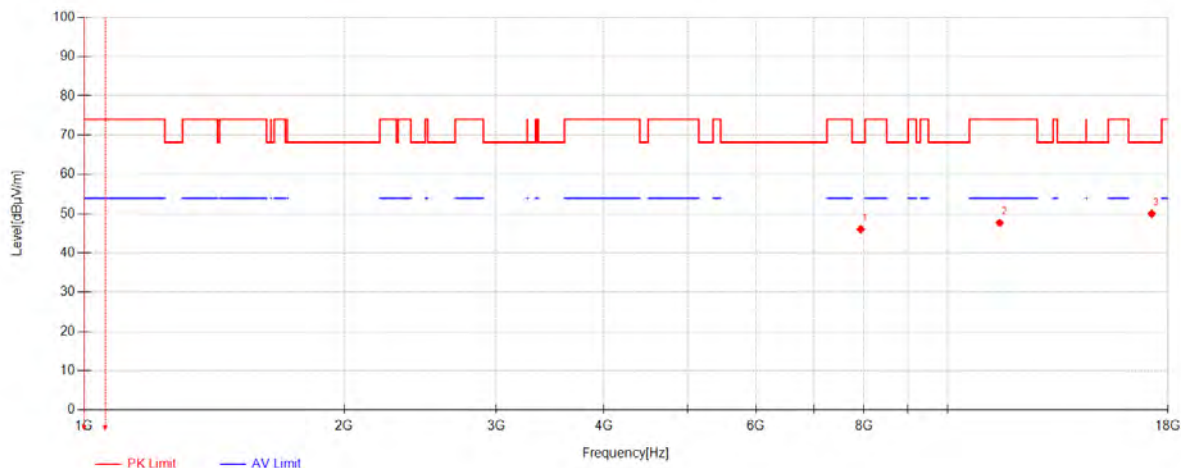
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7930.6	53.91	36.23	-44.05	46.09	68.20	22.11	Horizontal
2	11490.0000	47.08	39.70	-39.13	47.65	74.00	26.35	Horizontal
3	17235.0000	43.51	42.85	-36.37	49.99	68.20	18.21	Horizontal



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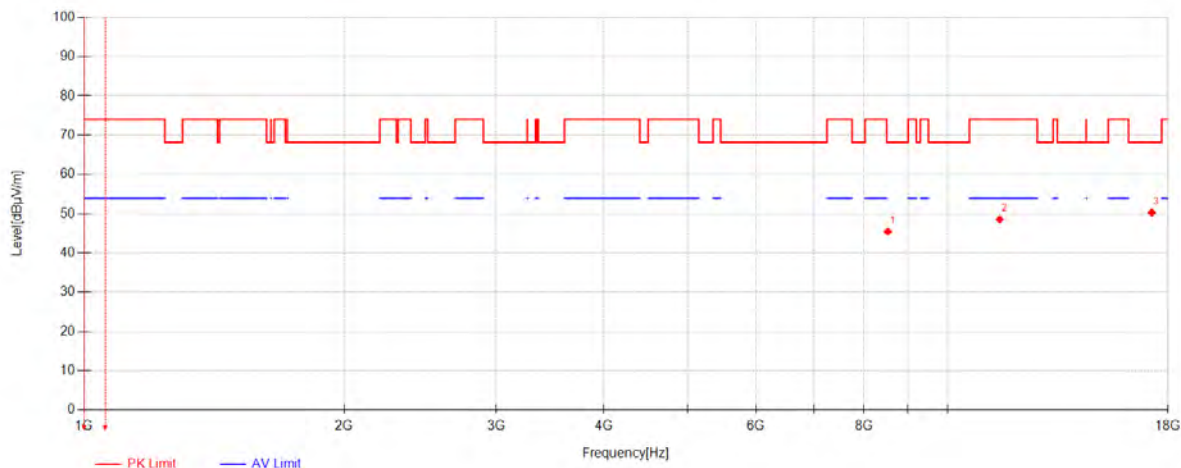
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8525.725	52.68	36.15	-43.35	45.48	68.20	22.72	Vertical
2	11490.0000	47.99	39.70	-39.13	48.56	74.00	25.44	Vertical
3	17235.0000	43.82	42.85	-36.37	50.30	68.20	17.90	Vertical



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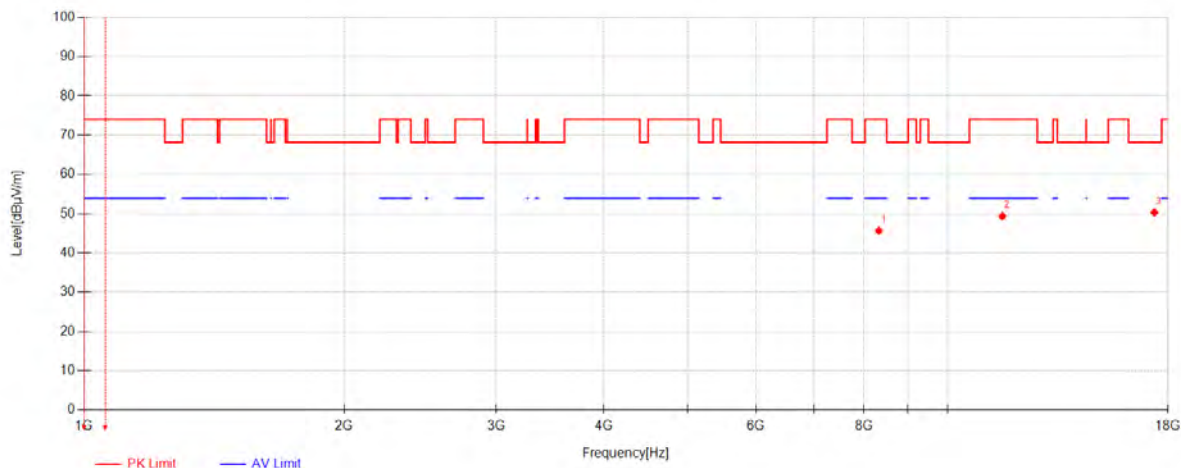
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8325.625	53.14	36.17	-43.63	45.68	74.00	28.32	Horizontal
2	11570.0000	47.68	39.71	-38.00	49.39	74.00	24.61	Horizontal
3	17355.0000	43.30	43.48	-36.45	50.33	68.20	17.87	Horizontal



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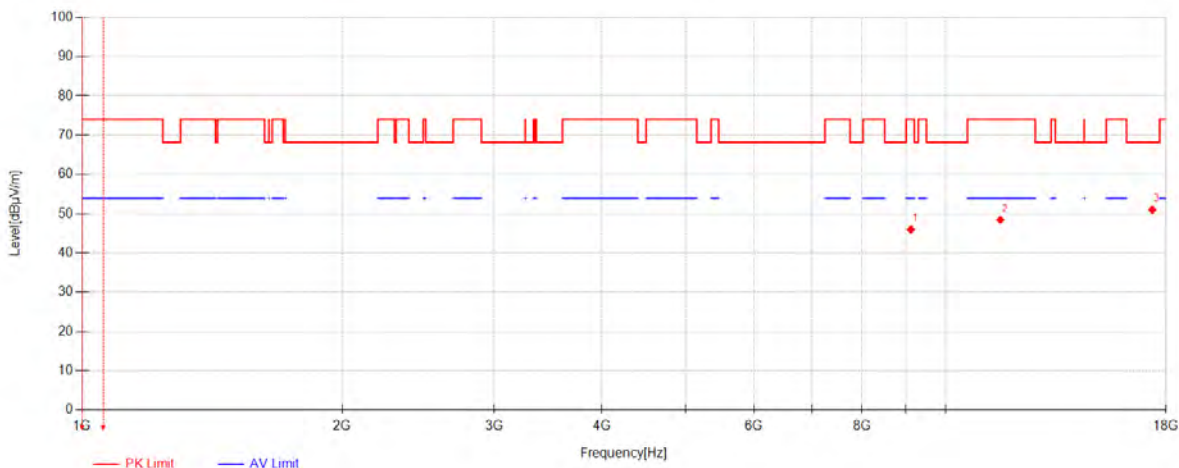
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802.11n20_Channel 157



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9114.525	51.96	36.36	-42.32	46.00	74.00	28.00	Vertical
2	11570.0000	46.73	39.71	-38.00	48.44	74.00	25.56	Vertical
3	17355.0000	43.97	43.48	-36.45	51.00	68.20	17.20	Vertical



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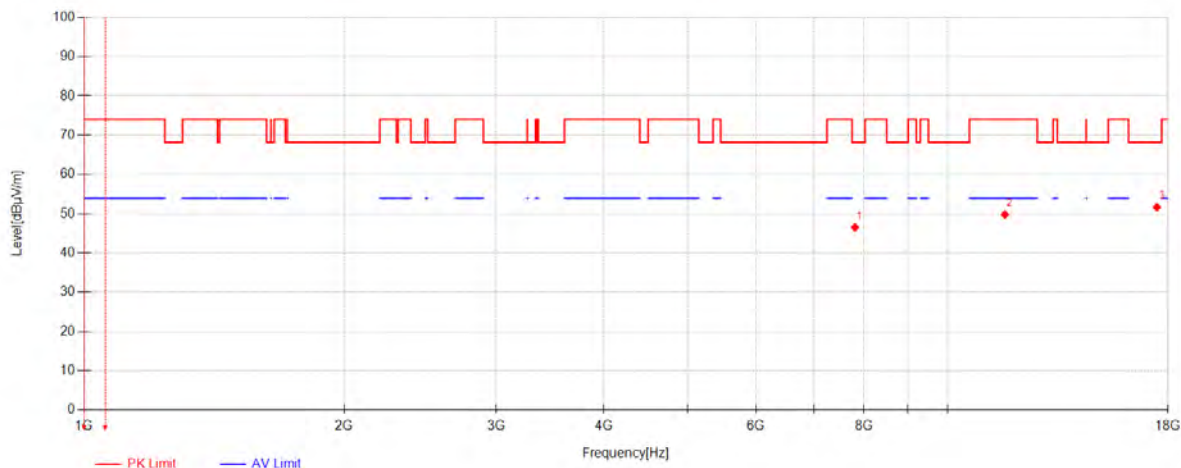
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802.11n20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7810.425	54.34	36.28	-44.08	46.54	68.20	21.66	Horizontal
2	11650.0000	48.21	39.73	-38.13	49.81	74.00	24.19	Horizontal
3	17475.0000	43.60	44.12	-36.09	51.63	68.20	16.57	Horizontal



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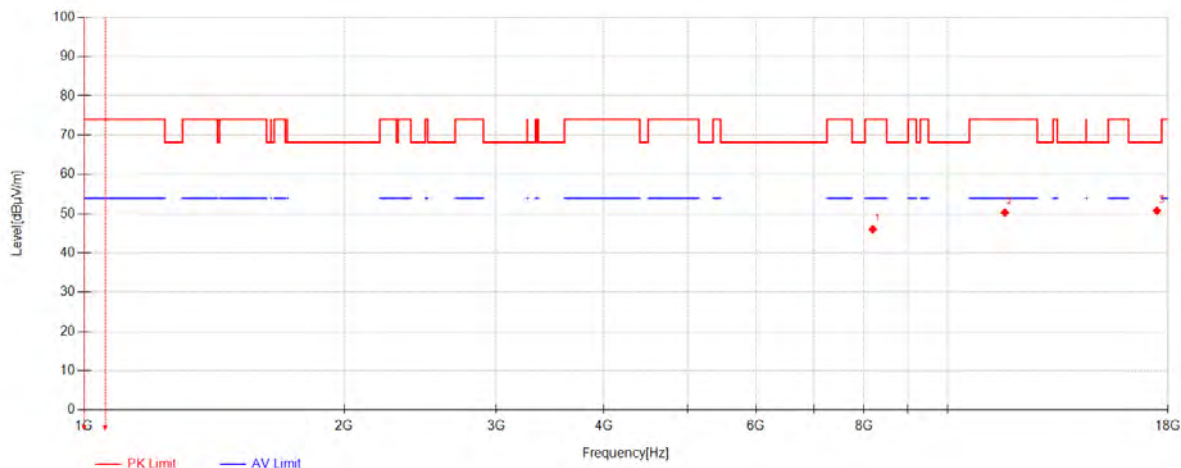
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8190.5	53.33	36.18	-43.45	46.06	74.00	27.94	Vertical
2	11650.0000	48.70	39.73	-38.13	50.30	74.00	23.70	Vertical
3	17475.0000	42.72	44.12	-36.09	50.75	68.20	17.45	Vertical



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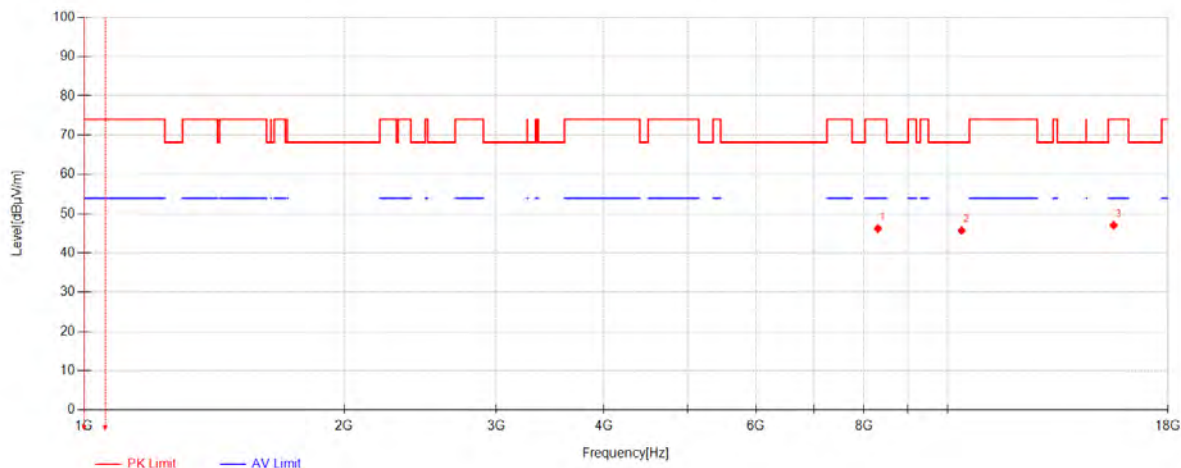
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802.11n40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8303.775	53.75	36.17	-43.68	46.24	74.00	27.76	Horizontal
2	10380.0000	47.36	38.86	-40.48	45.74	68.20	22.46	Horizontal
3	15570.0000	44.56	39.66	-37.17	47.05	74.00	26.95	Horizontal



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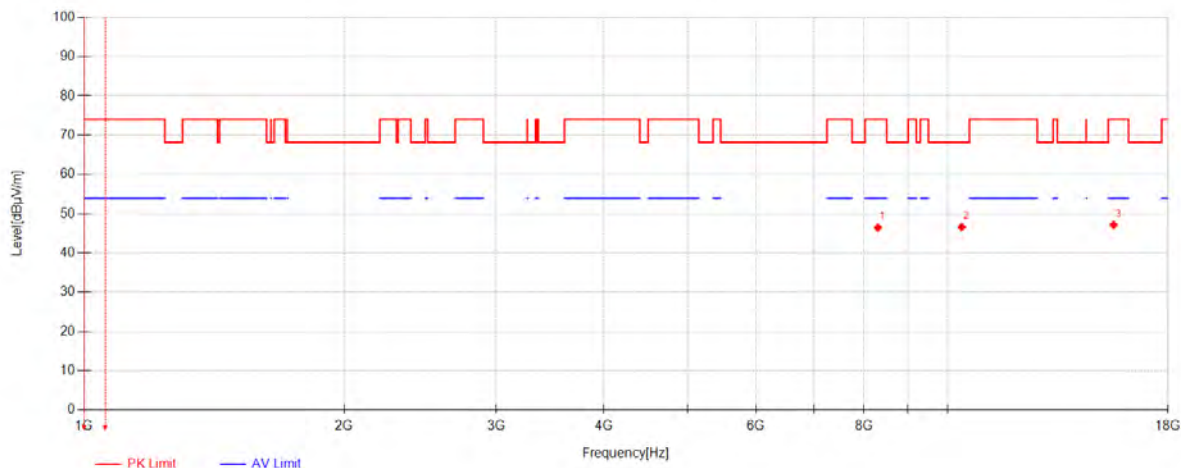
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8304.35	53.96	36.17	-43.68	46.45	74.00	27.55	Vertical
2	10380.0000	48.25	38.86	-40.48	46.63	68.20	21.57	Vertical
3	15570.0000	44.65	39.66	-37.17	47.14	74.00	26.86	Vertical



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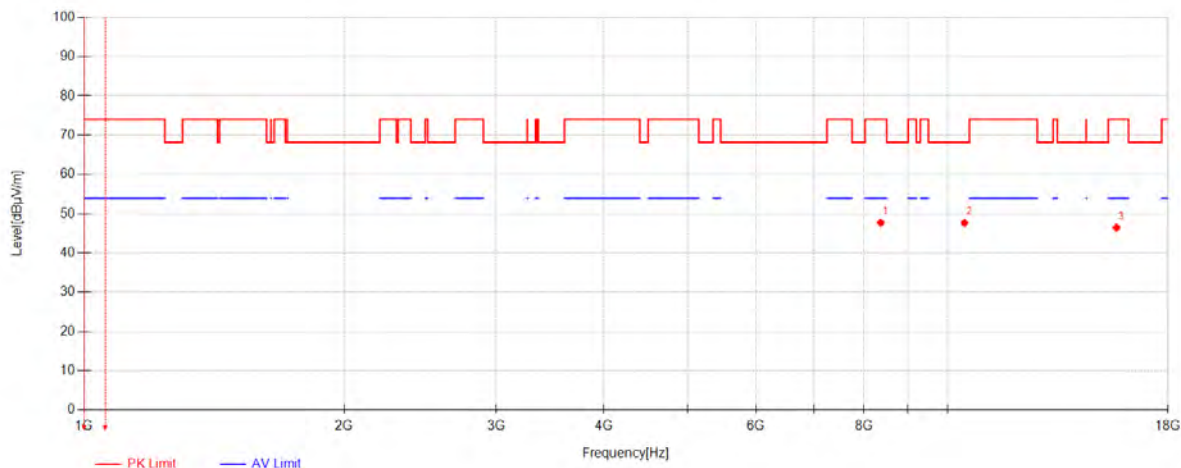
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8367.6	55.07	36.16	-43.53	47.70	74.00	26.30	Horizontal
2	10460.0000	48.80	38.95	-40.11	47.64	68.20	20.56	Horizontal
3	15690.0000	44.87	39.25	-37.65	46.47	74.00	27.53	Horizontal



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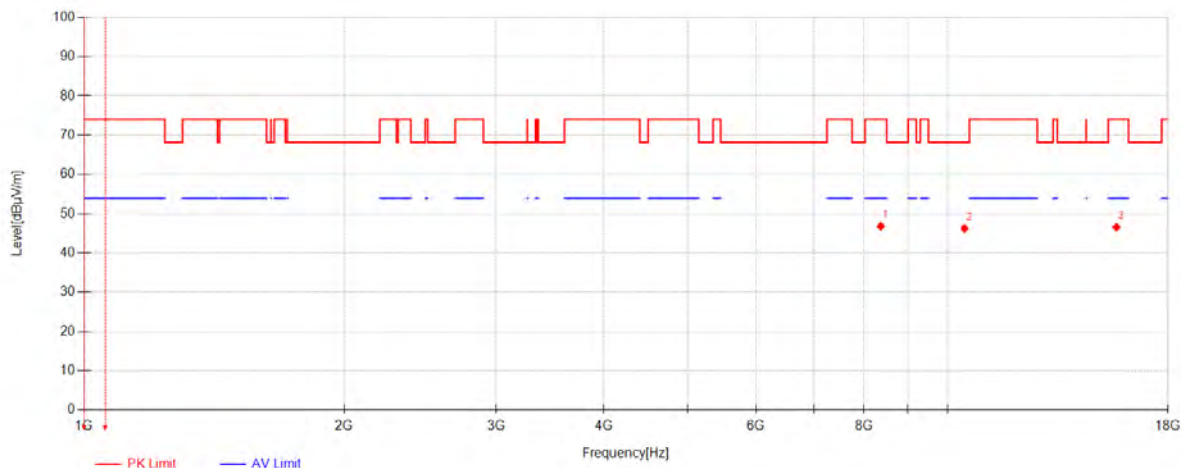
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8367.6	54.21	36.16	-43.53	46.84	74.00	27.16	Vertical
2	10460.0000	47.42	38.95	-40.11	46.26	68.20	21.94	Vertical
3	15690.0000	44.98	39.25	-37.65	46.58	74.00	27.42	Vertical



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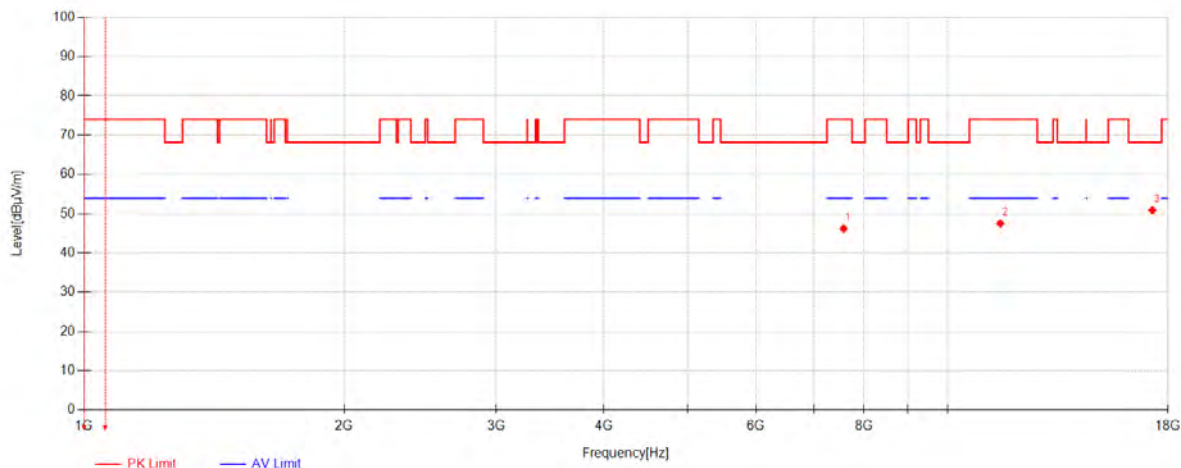
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7577.55	54.37	36.37	-44.49	46.25	74.00	27.75	Horizontal
2	11510.0000	46.80	39.70	-38.99	47.51	74.00	26.49	Horizontal
3	17265.0000	44.47	43.01	-36.61	50.87	68.20	17.33	Horizontal



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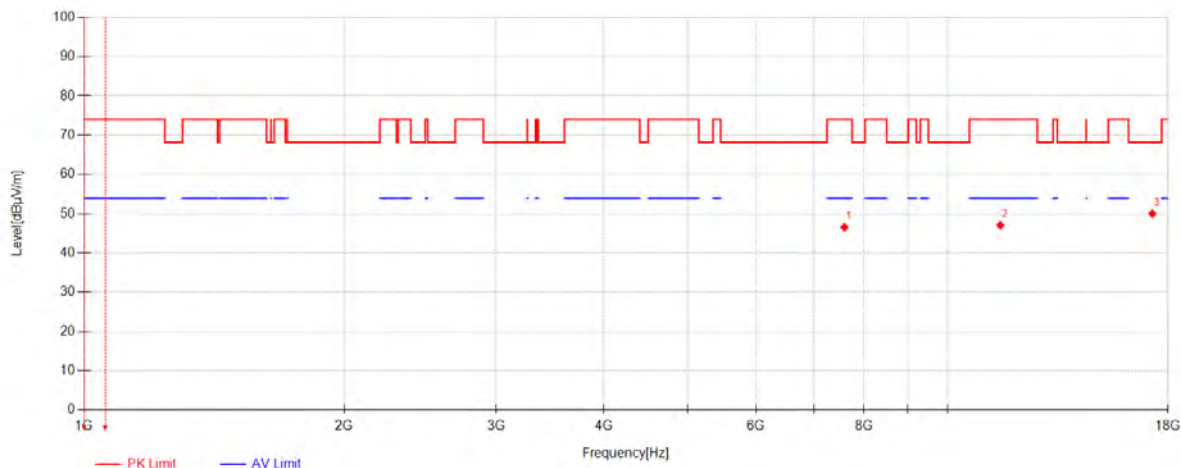
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7595.375	54.52	36.36	-44.33	46.55	74.00	27.45	Vertical
2	11510.0000	46.35	39.70	-38.99	47.06	74.00	26.94	Vertical
3	17265.0000	43.62	43.01	-36.61	50.02	68.20	18.18	Vertical



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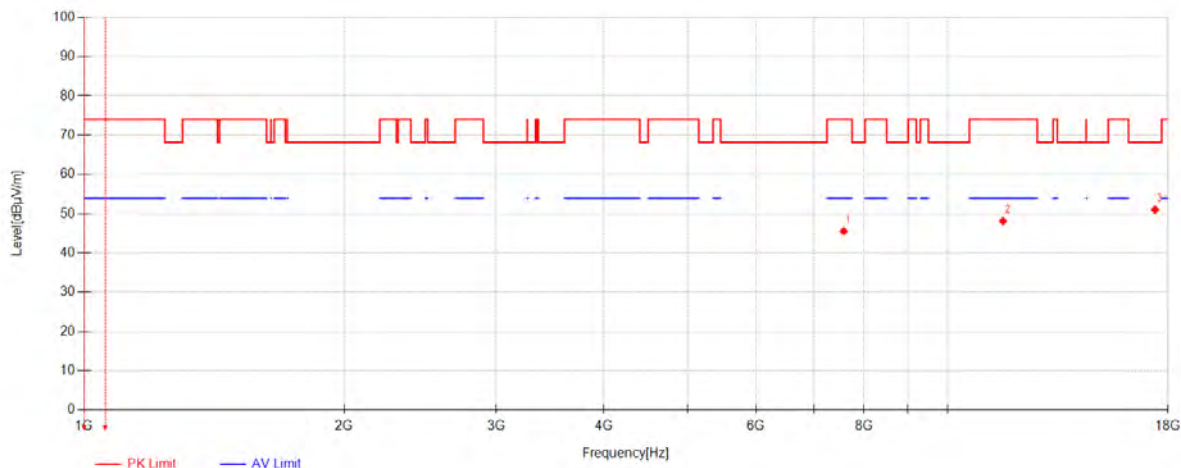
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7579.85	53.68	36.37	-44.47	45.58	74.00	28.42	Horizontal
2	11590.0000	46.10	39.72	-37.67	48.15	74.00	25.85	Horizontal
3	17385.0000	43.61	43.64	-36.22	51.03	68.20	17.17	Horizontal



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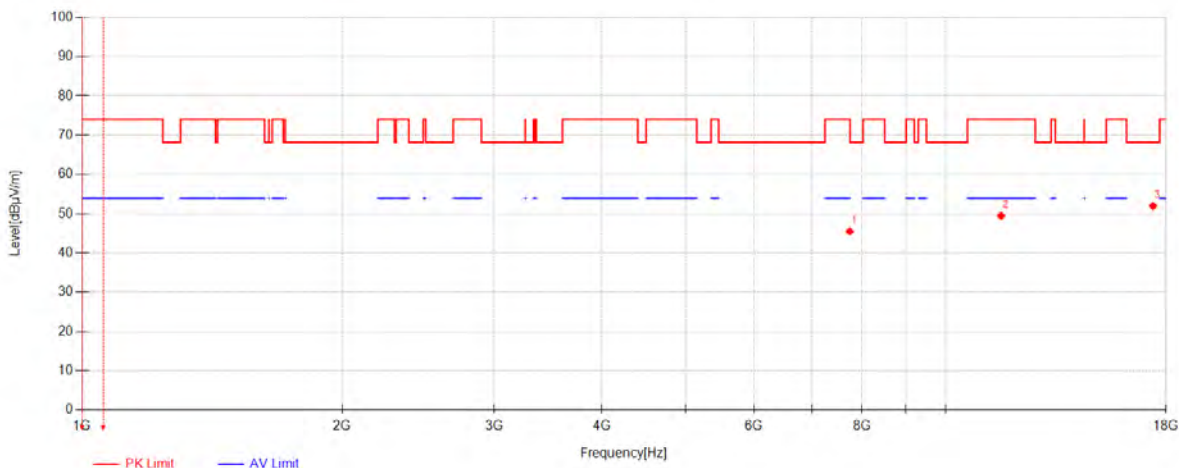
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7744.875	53.43	36.30	-44.21	45.52	74.00	28.48	Vertical
2	11590.0000	47.44	39.72	-37.67	49.49	74.00	24.51	Vertical
3	17385.0000	44.53	43.64	-36.22	51.95	68.20	16.25	Vertical



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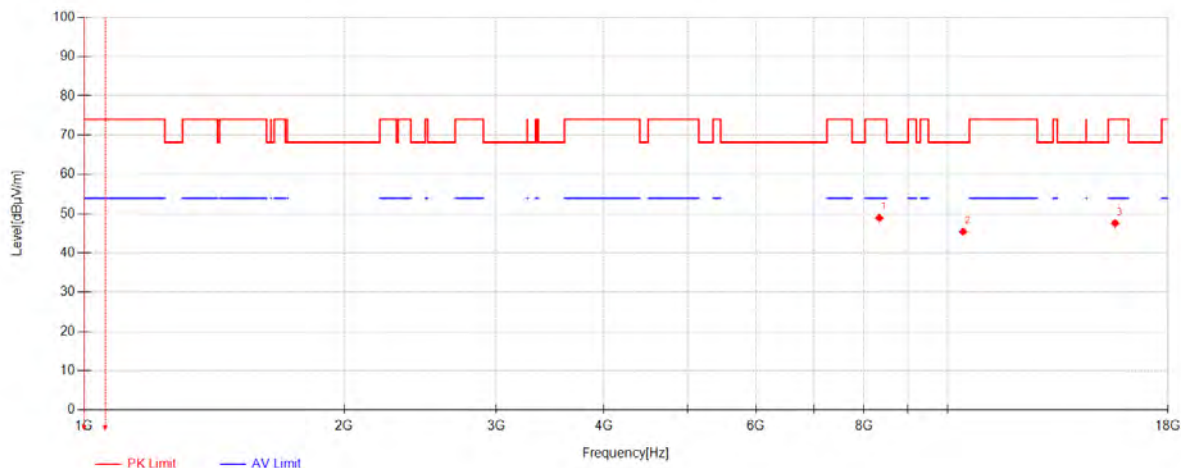
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802.11ac80_Channel 42



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8335.975	56.34	36.17	-43.60	48.91	74.00	25.09	Horizontal
2	10420.0000	46.96	38.90	-40.43	45.43	68.20	22.77	Horizontal
3	15630.0000	45.33	39.46	-37.21	47.58	74.00	26.42	Horizontal



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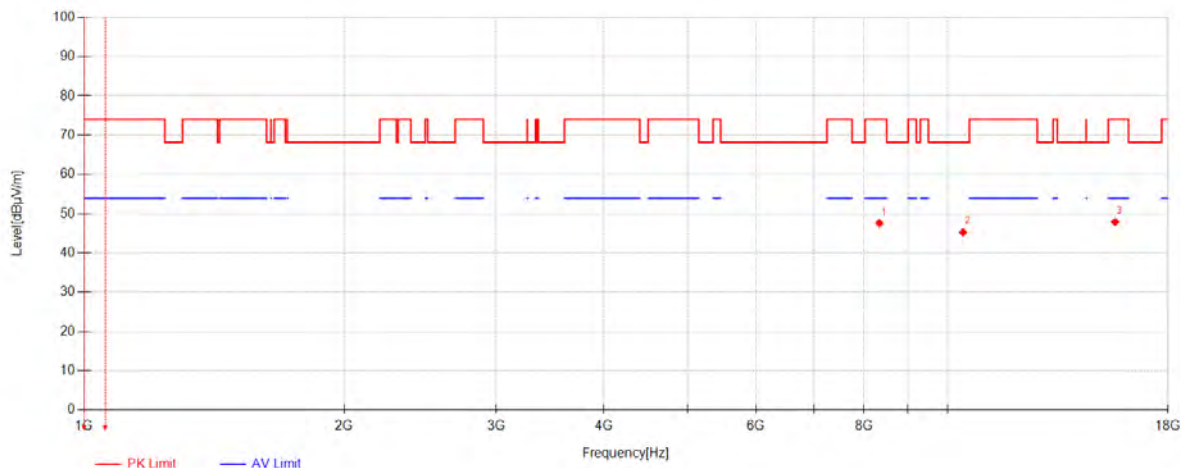
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802.11ac80_Channel 42



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8335.975	55.02	36.17	-43.60	47.59	74.00	26.41	Vertical
2	10420.0000	46.81	38.90	-40.43	45.28	68.20	22.92	Vertical
3	15630.0000	45.66	39.46	-37.21	47.91	74.00	26.09	Vertical



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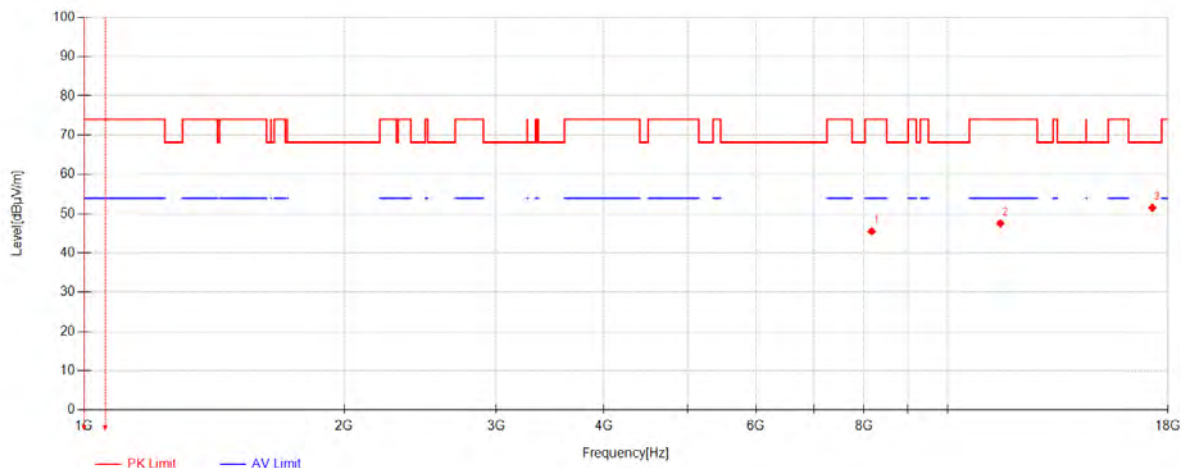
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8167.5	52.90	36.18	-43.55	45.53	74.00	28.47	Horizontal
2	11510.0000	46.81	39.70	-38.99	47.52	74.00	26.48	Horizontal
3	17265.0000	45.10	43.01	-36.61	51.50	68.20	16.70	Horizontal



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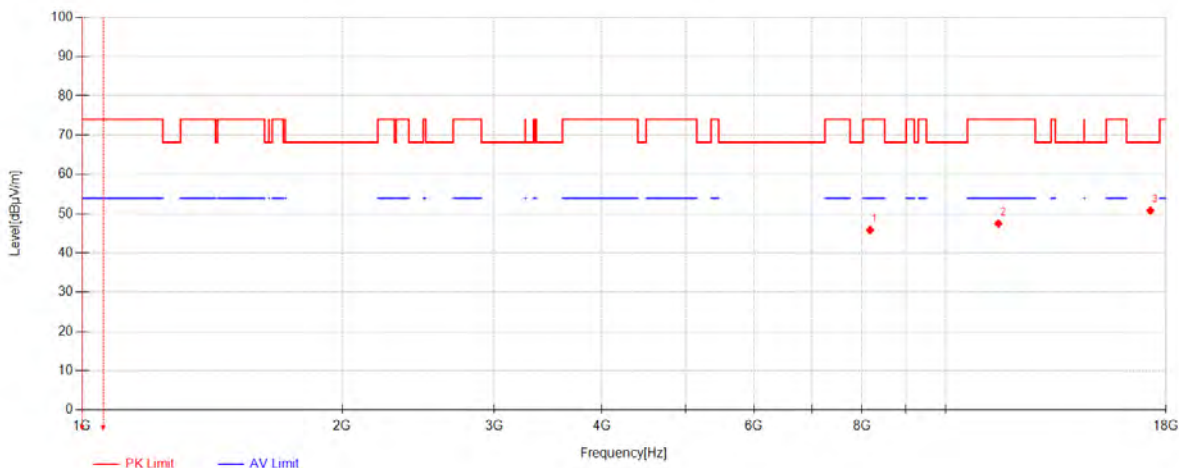
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8177.275	53.19	36.18	-43.51	45.86	74.00	28.14	Vertical
2	11510.0000	46.78	39.70	-38.99	47.49	74.00	26.51	Vertical
3	17265.0000	44.38	43.01	-36.61	50.78	68.20	17.42	Vertical

Remark:

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

$$\text{Level} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB/m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB/m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V/m}) - \text{Level}(\text{dB}\mu\text{V/m})$$
- All channels have been tested, but only the worst case data displayed in this report.
- Both peak and average measured complies with the limit line, so test result is "PASS"
- For 802.11n HT20/ac VHT20 and 802.11n HT40/ac VHT40 mode, the whole testing have assessed only, 802.11n HT20/40 by referring to their higher output power.



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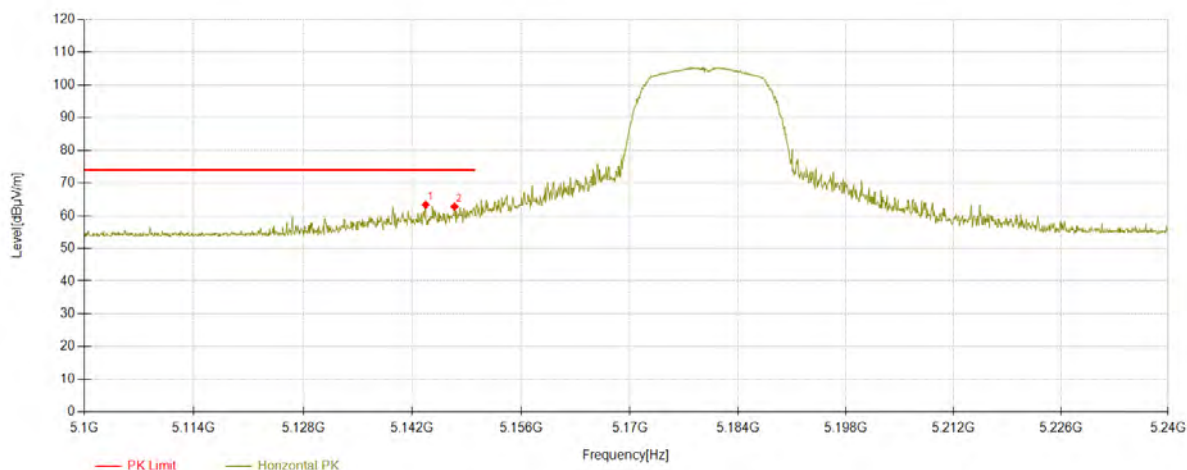


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Restricted bands around fundamental frequency

802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.7019	53.42	31.74	-21.82	63.34	74.00	10.66	Horizontal
2	5147.4137	52.85	31.75	-21.82	62.78	74.00	11.22	Horizontal



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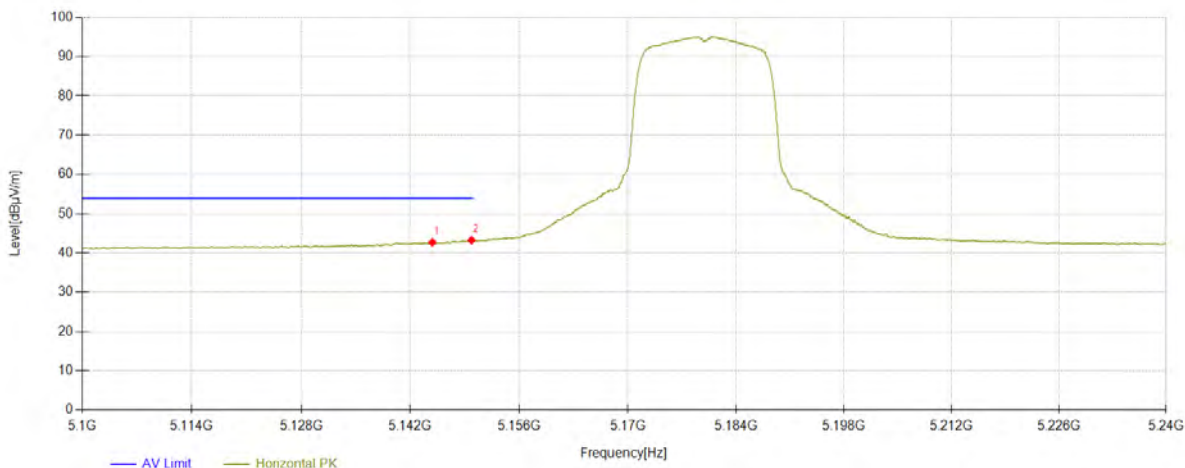
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.8224	32.79	31.75	-21.82	42.72	54.00	11.28	Horizontal
2	5149.8649	33.31	31.76	-21.81	43.26	54.00	10.74	Horizontal



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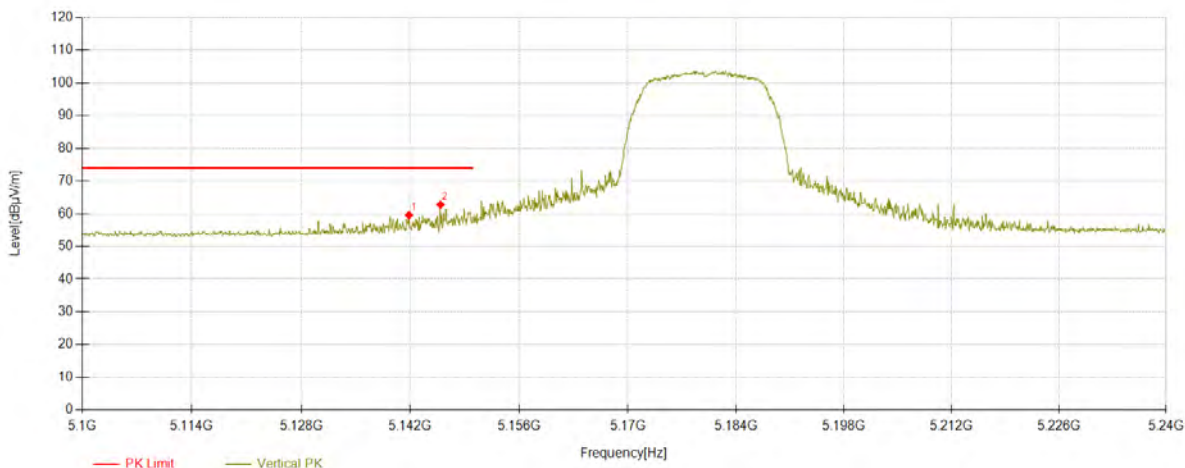
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.8109	49.68	31.74	-21.83	59.59	74.00	14.41	Vertical
2	5145.8729	52.82	31.75	-21.82	62.75	74.00	11.25	Vertical



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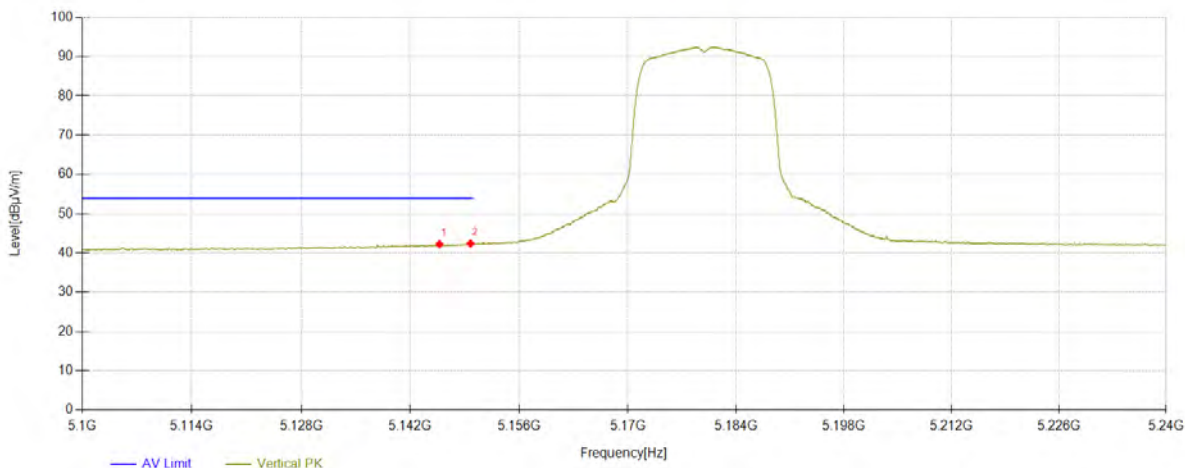
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.7329	32.32	31.75	-21.82	42.25	54.00	11.75	Vertical
2	5149.7249	32.48	31.76	-21.81	42.43	54.00	11.57	Vertical



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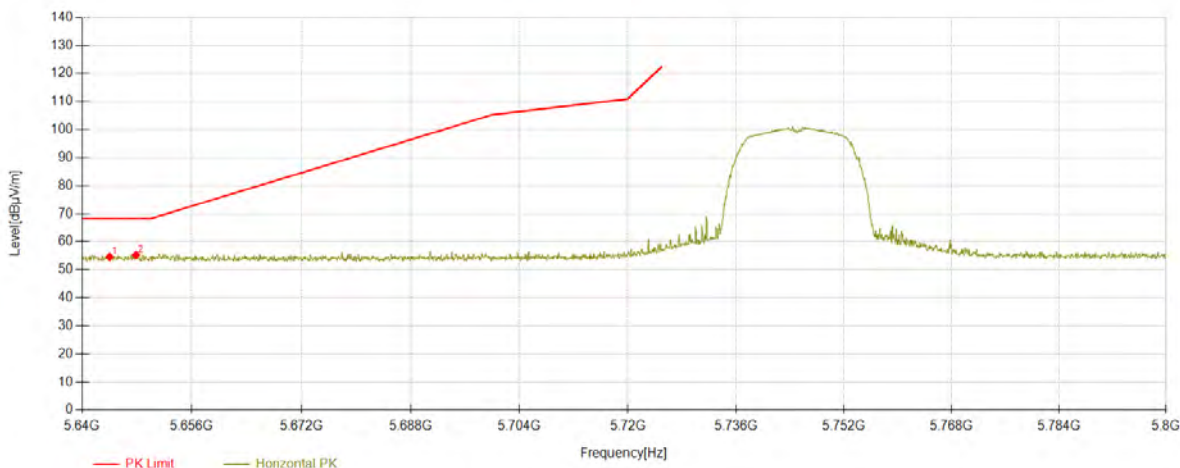
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5644.002	43.25	32.54	-21.11	54.68	68.30	13.62	Horizontal
2	5647.8439	43.84	32.54	-21.11	55.27	68.30	13.03	Horizontal



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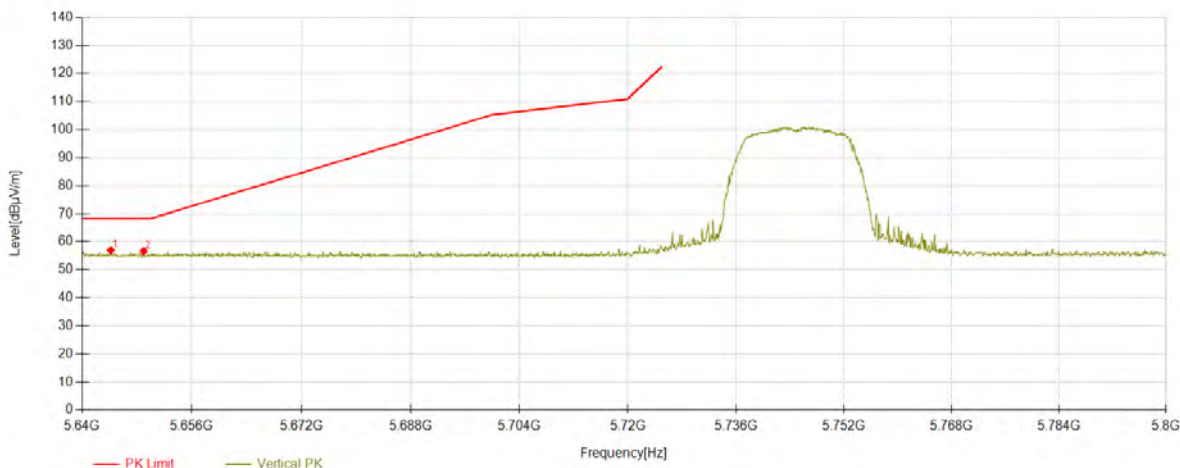
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5644.1621	45.53	32.54	-21.11	56.96	68.30	11.34	Vertical
2	5648.9645	45.20	32.54	-21.11	56.63	68.30	11.67	Vertical



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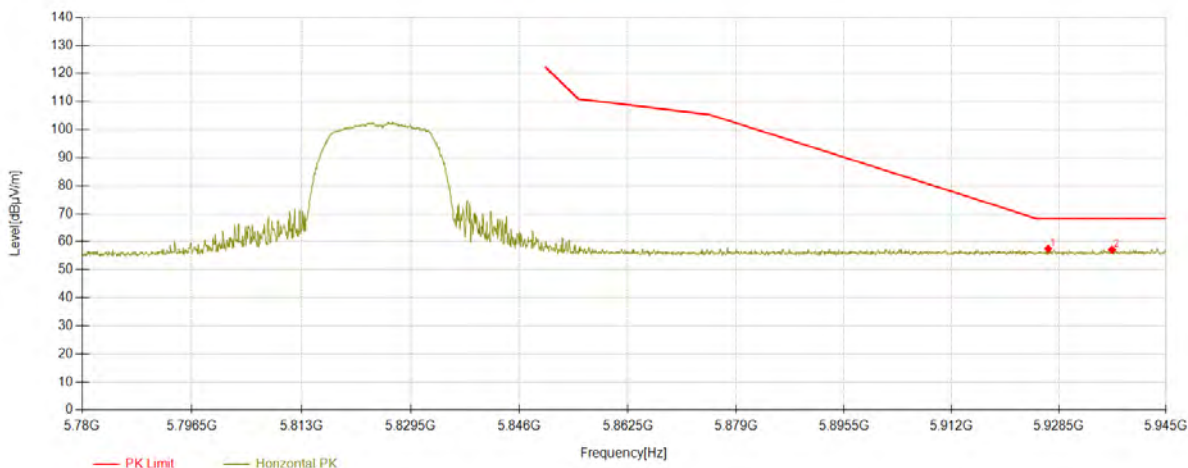
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5926.8409	45.54	32.43	-20.45	57.52	68.30	10.78	Horizontal
2	5936.6633	45.19	32.43	-20.45	57.17	68.30	11.13	Horizontal



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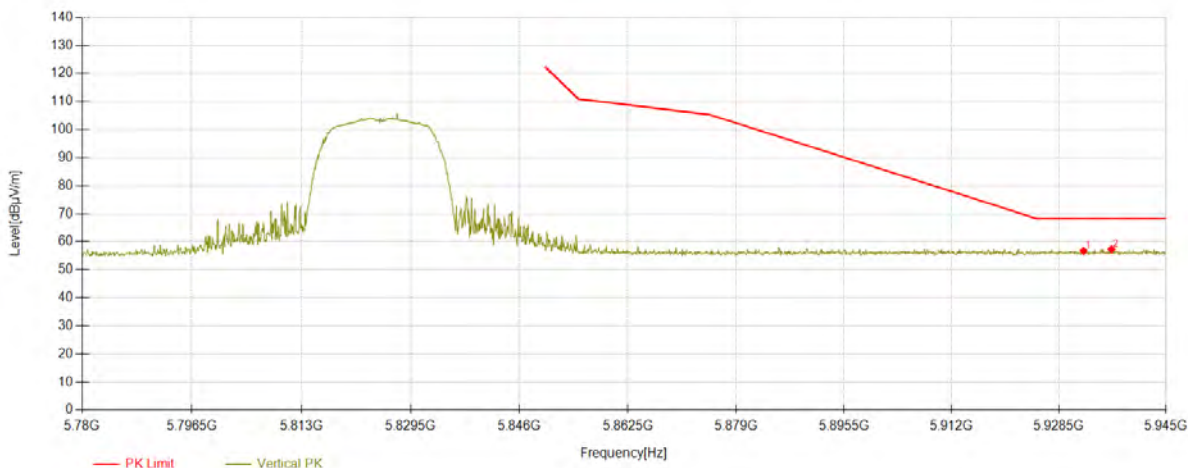
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5932.2886	44.73	32.43	-20.45	56.71	68.30	11.59	Vertical
2	5936.5808	45.36	32.43	-20.45	57.34	68.30	10.96	Vertical



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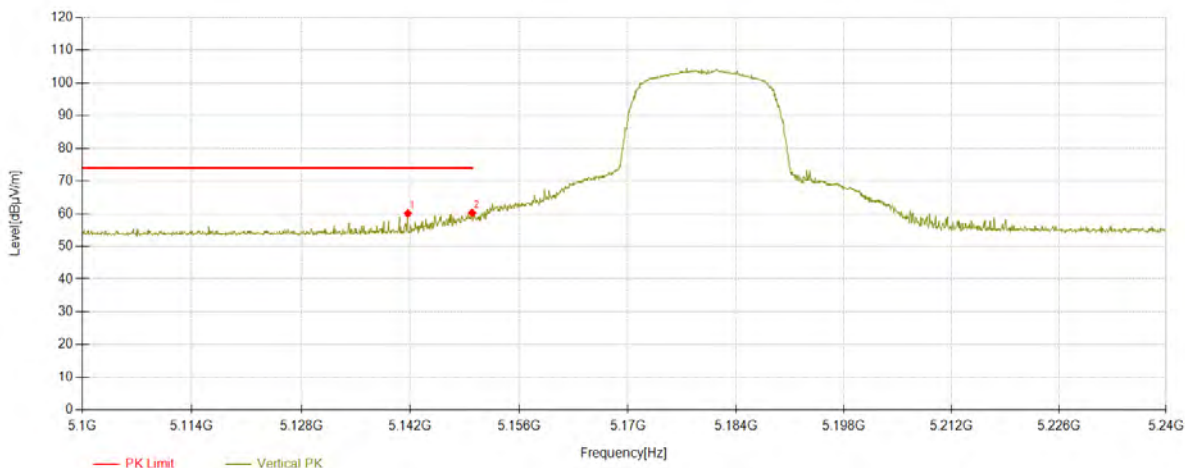
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802.11n20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.6708	50.16	31.74	-21.83	60.07	74.00	13.93	Vertical
2	5149.935	50.31	31.76	-21.81	60.26	74.00	13.74	Vertical



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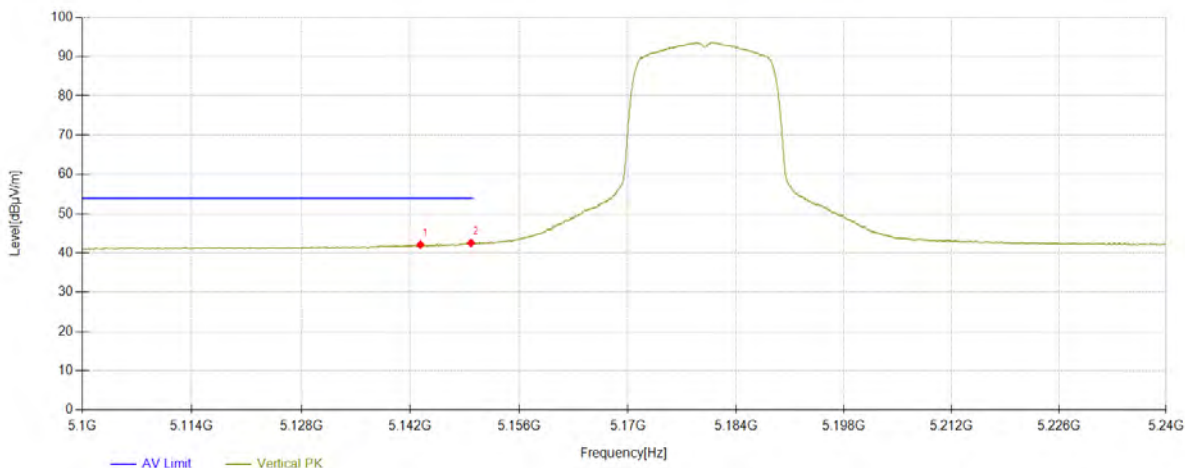
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.2816	32.21	31.74	-21.82	42.13	54.00	11.87	Vertical
2	5149.7949	32.62	31.76	-21.81	42.57	54.00	11.43	Vertical



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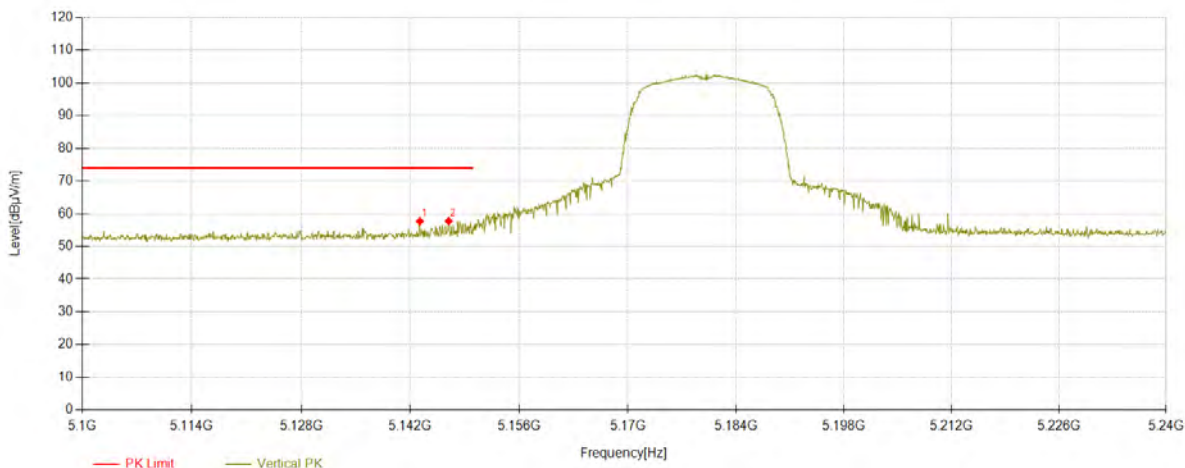
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.2116	47.78	31.74	-21.82	57.70	74.00	16.30	Vertical
2	5146.9235	47.83	31.75	-21.82	57.76	74.00	16.24	Vertical



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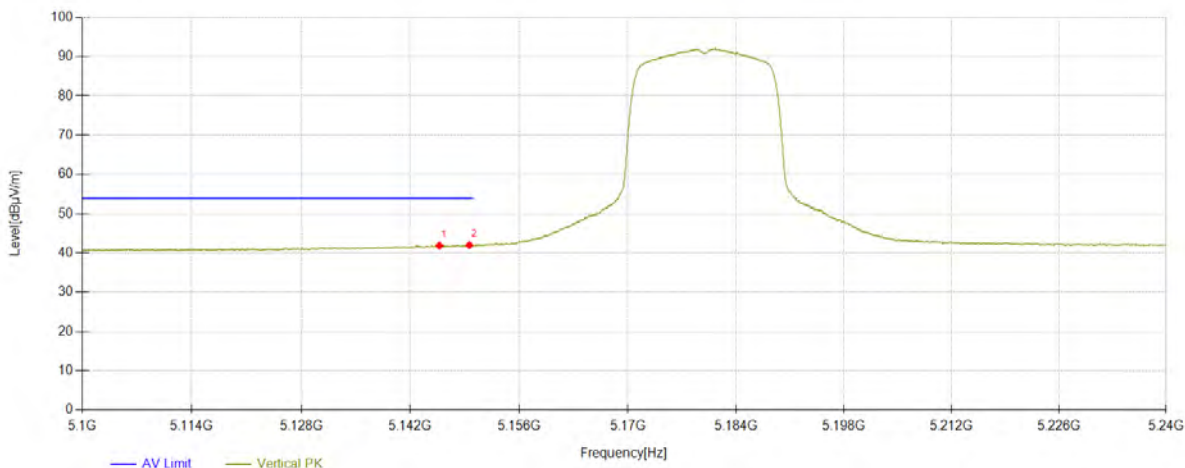
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.7329	31.96	31.75	-21.82	41.89	54.00	12.11	Vertical
2	5149.5848	32.07	31.76	-21.81	42.02	54.00	11.98	Vertical



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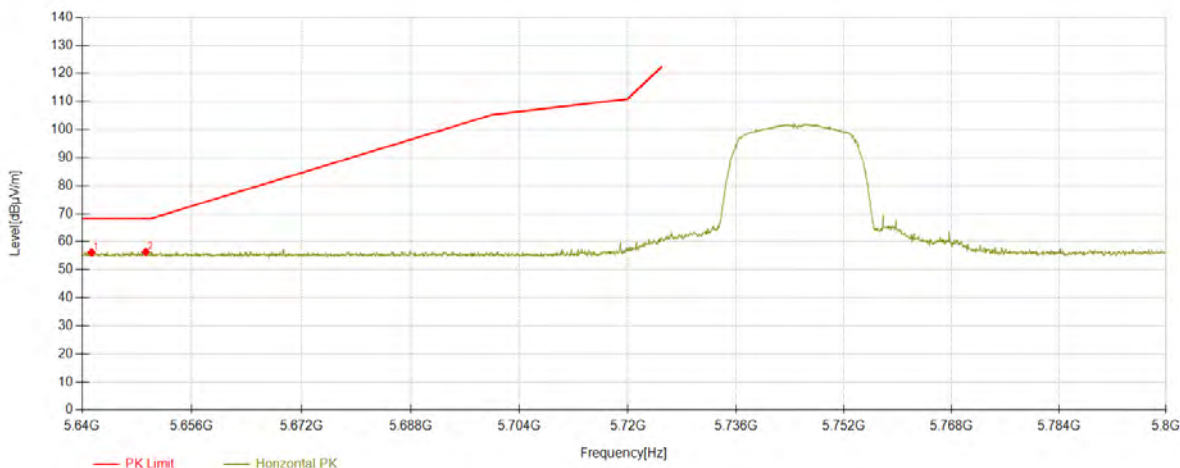
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.3607	44.76	32.54	-21.10	56.20	68.30	12.10	Horizontal
2	5649.2846	44.96	32.54	-21.11	56.39	68.30	11.91	Horizontal



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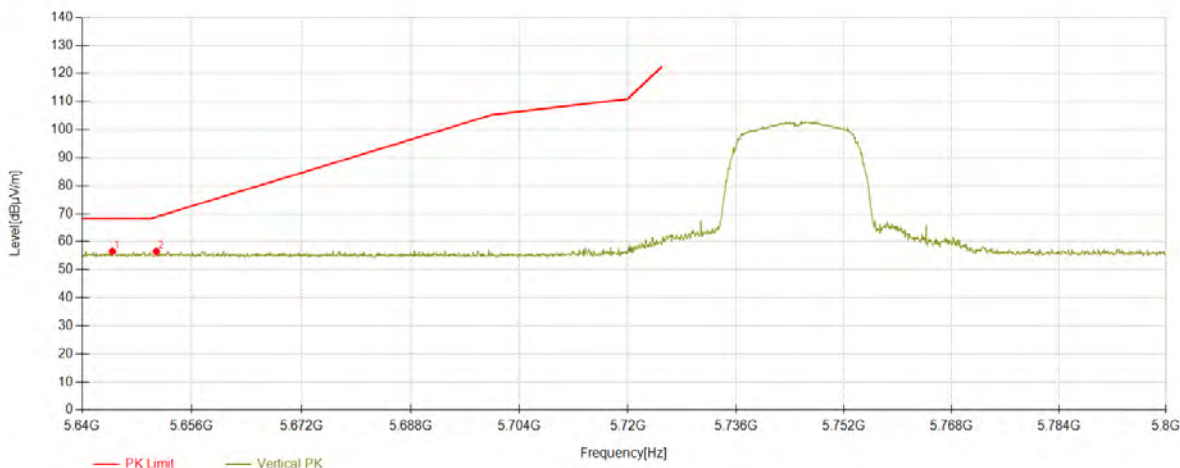
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5644.4022	45.11	32.54	-21.11	56.54	68.30	11.76	Vertical
2	5650.8054	45.11	32.54	-21.12	56.53	68.90	12.37	Vertical



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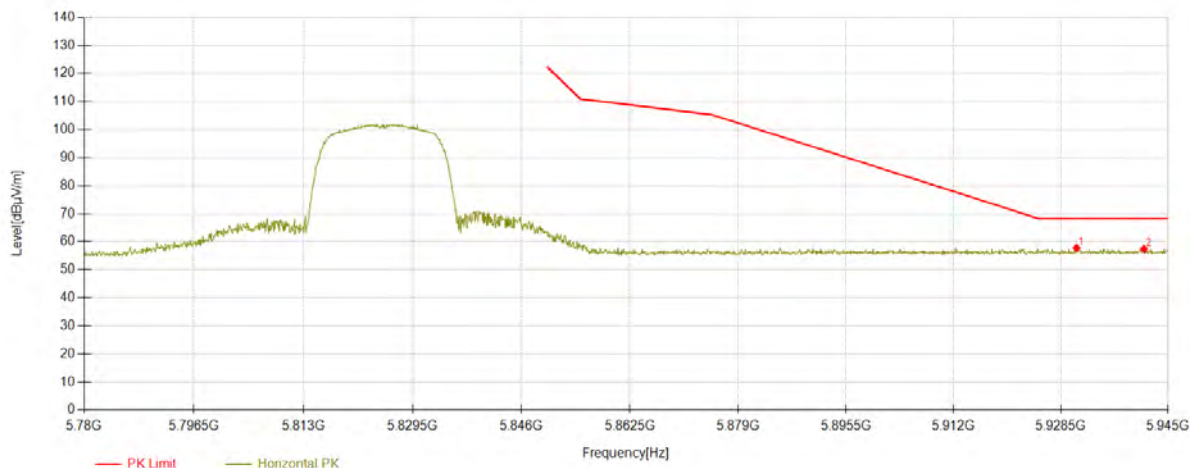
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5930.8854	45.84	32.43	-20.45	57.82	68.30	10.48	Horizontal
2	5941.2856	45.49	32.42	-20.46	57.45	68.30	10.85	Horizontal



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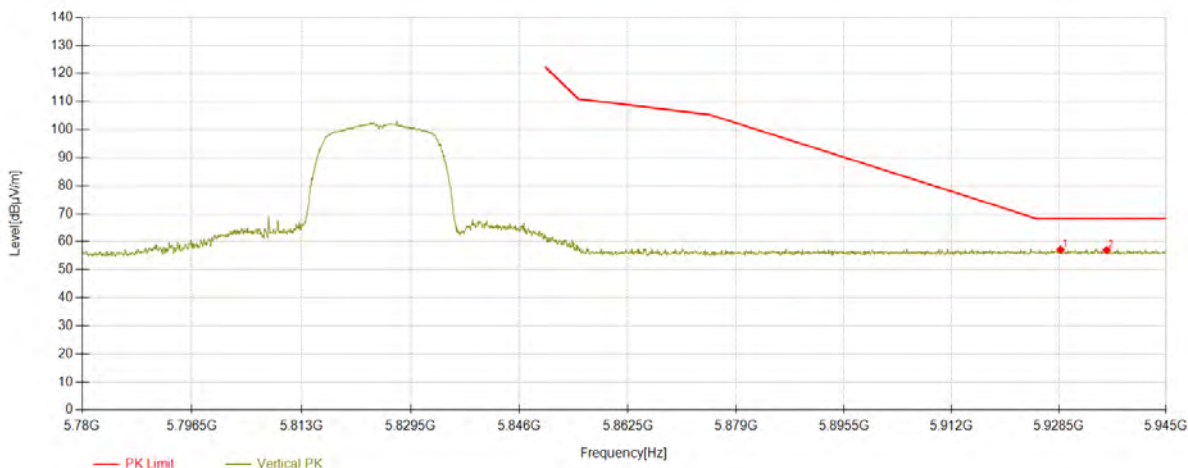
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5928.7394	45.22	32.43	-20.45	57.20	68.30	11.10	Vertical
2	5935.8379	45.05	32.43	-20.45	57.03	68.30	11.27	Vertical



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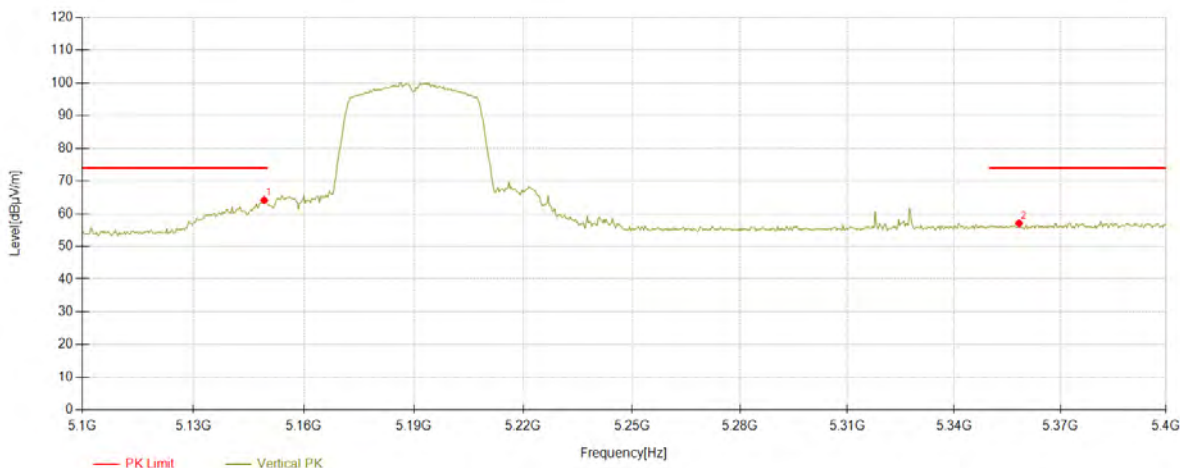
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.2	54.19	31.76	-21.81	64.14	74.00	9.86	Vertical
2	5358.3	46.39	32.26	-21.59	57.06	74.00	16.94	Vertical



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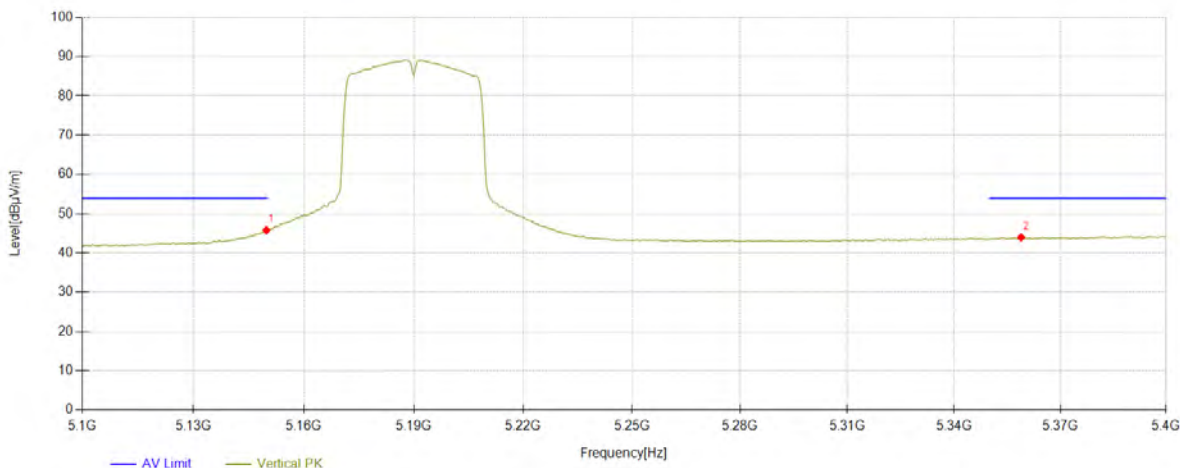
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.8	35.87	31.76	-21.81	45.82	54.00	8.18	Vertical
2	5358.9	33.32	32.26	-21.59	43.99	54.00	10.01	Vertical



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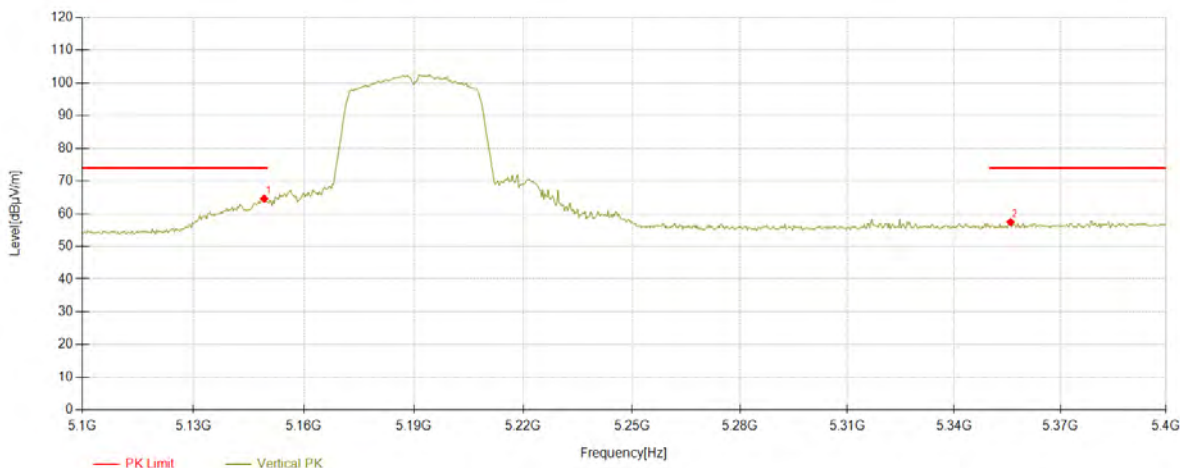
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.2	54.67	31.76	-21.81	64.62	74.00	9.38	Vertical
2	5355.9	46.81	32.25	-21.61	57.45	74.00	16.55	Vertical



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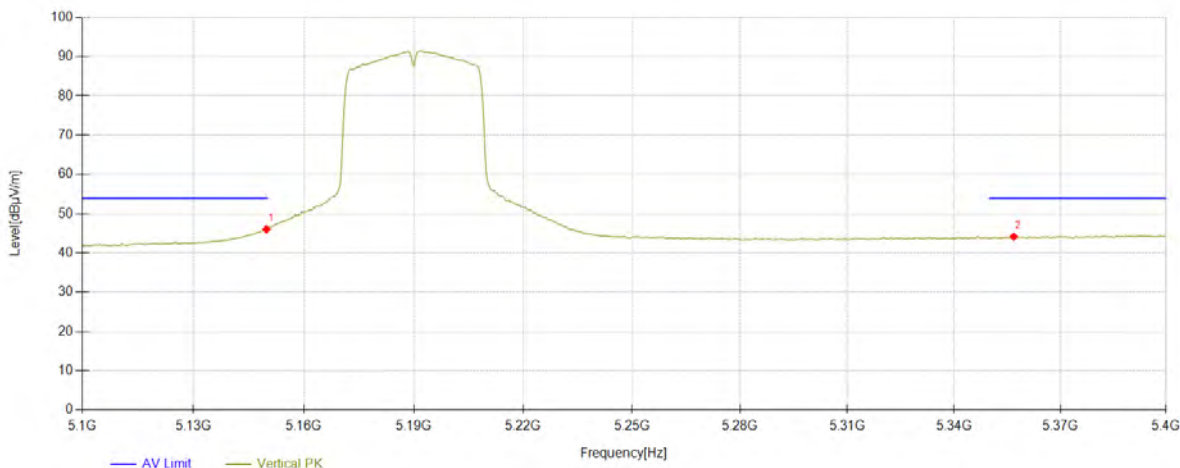
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.8	36.11	31.76	-21.81	46.06	54.00	7.94	Vertical
2	5356.8	33.51	32.26	-21.60	44.17	54.00	9.83	Vertical



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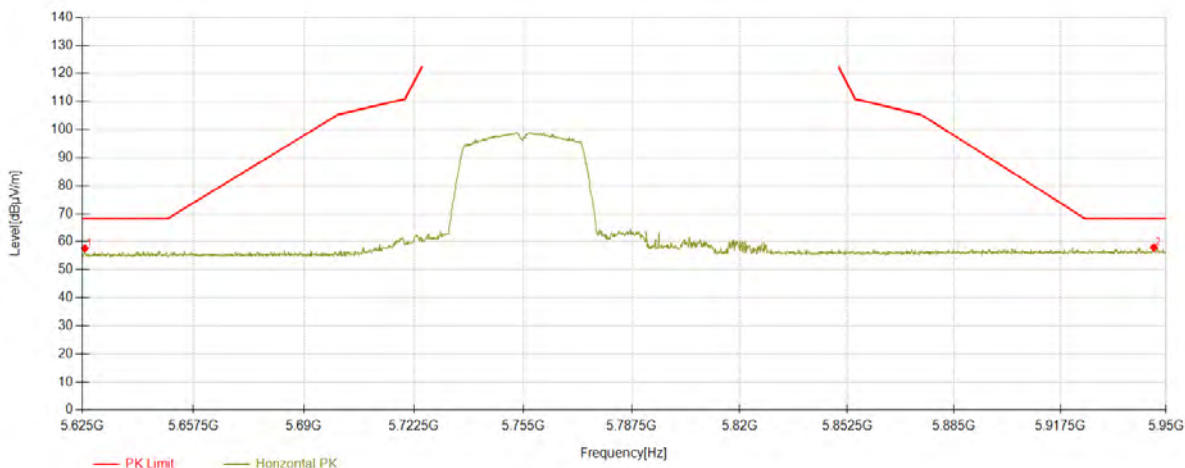
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5625.8129	46.20	32.55	-21.08	57.67	68.30	10.63	Horizontal
2	5946.2606	46.03	32.42	-20.46	57.99	68.30	10.31	Horizontal



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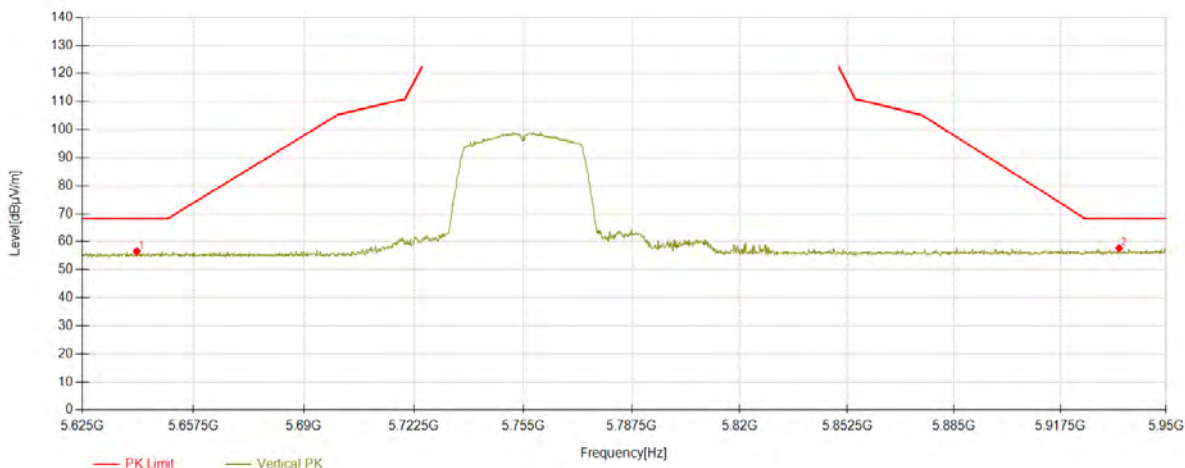
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5640.933	45.16	32.54	-21.10	56.60	68.30	11.70	Vertical
2	5935.5303	45.74	32.43	-20.45	57.72	68.30	10.58	Vertical



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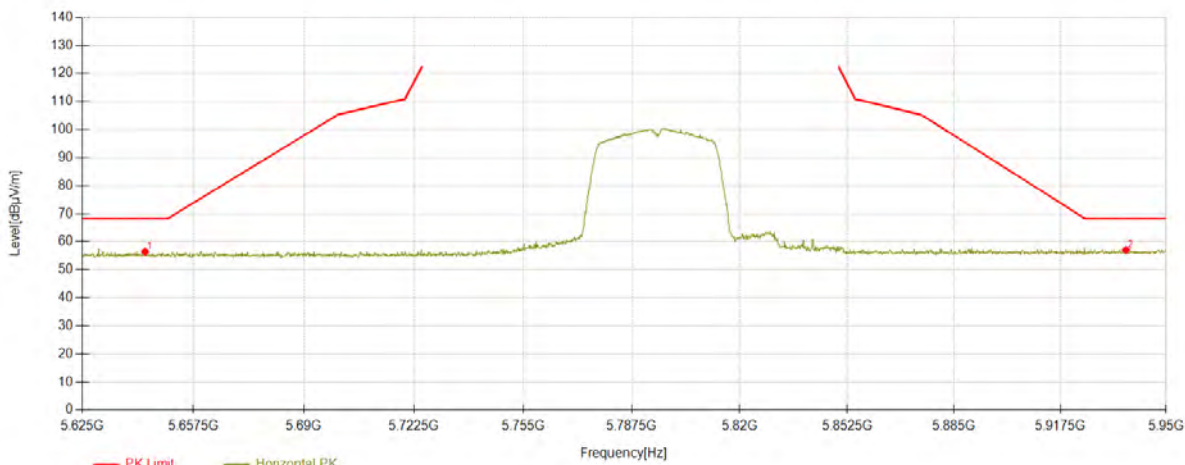
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5643.3717	45.02	32.54	-21.11	56.45	68.30	11.85	Horizontal
2	5937.6438	45.12	32.42	-20.46	57.08	68.30	11.22	Horizontal



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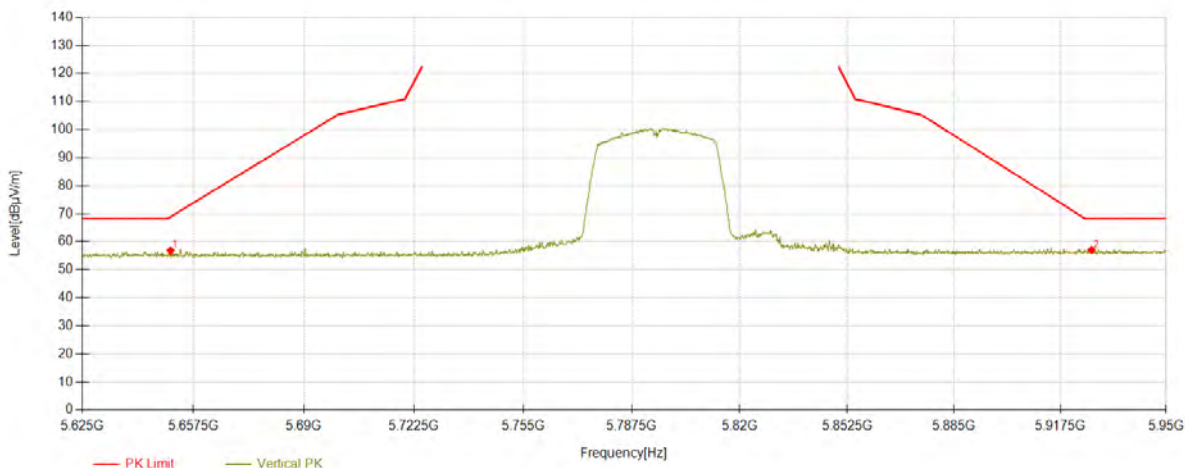
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5650.8504	45.45	32.54	-21.12	56.87	68.93	12.06	Vertical
2	5927.076	45.11	32.43	-20.45	57.09	68.30	11.21	Vertical



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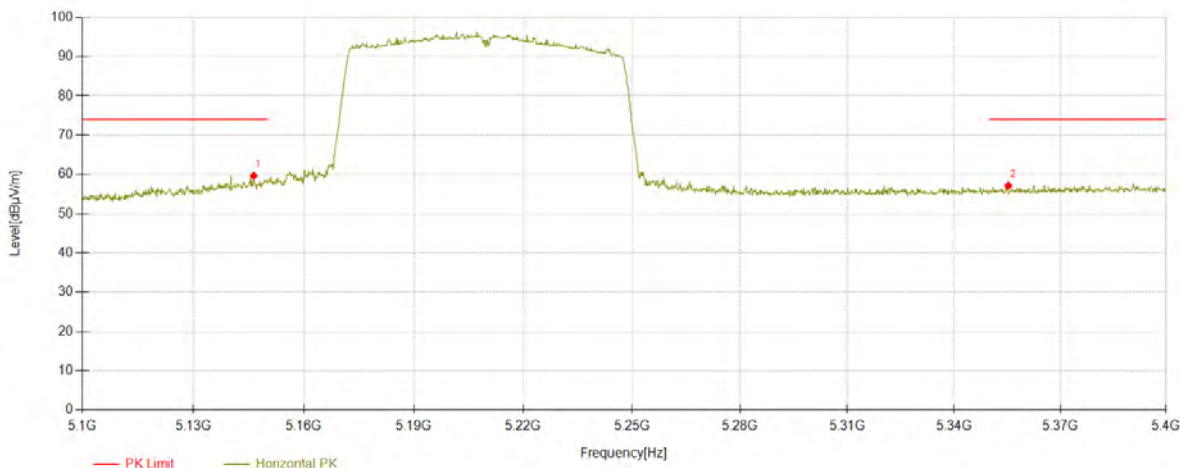
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.3732	49.76	31.75	-21.82	59.69	74.00	14.31	Horizontal
2	5355.2776	46.50	32.25	-21.61	57.14	74.00	16.86	Horizontal



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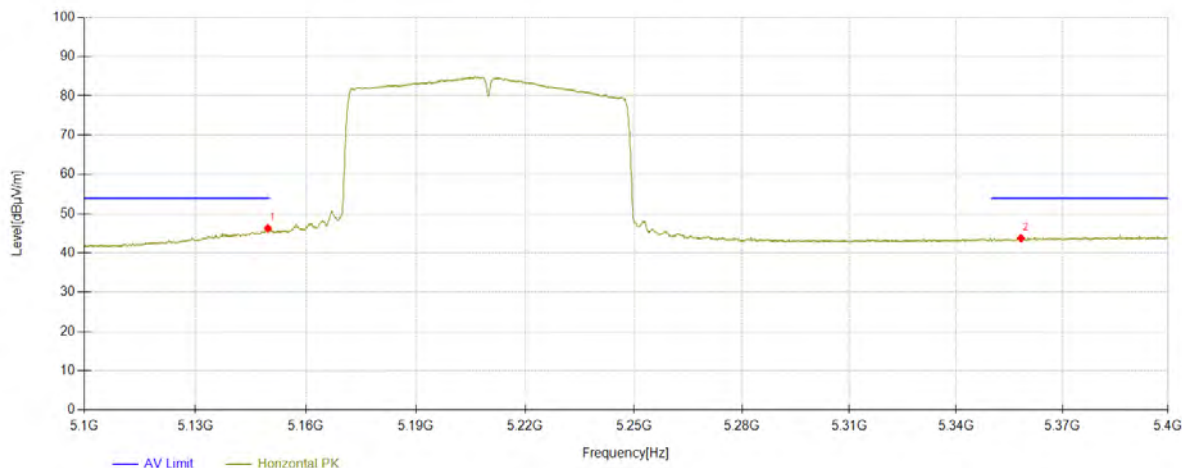
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.6748	36.35	31.76	-21.81	46.30	54.00	7.70	Horizontal
2	5358.2791	33.08	32.26	-21.59	43.75	54.00	10.25	Horizontal



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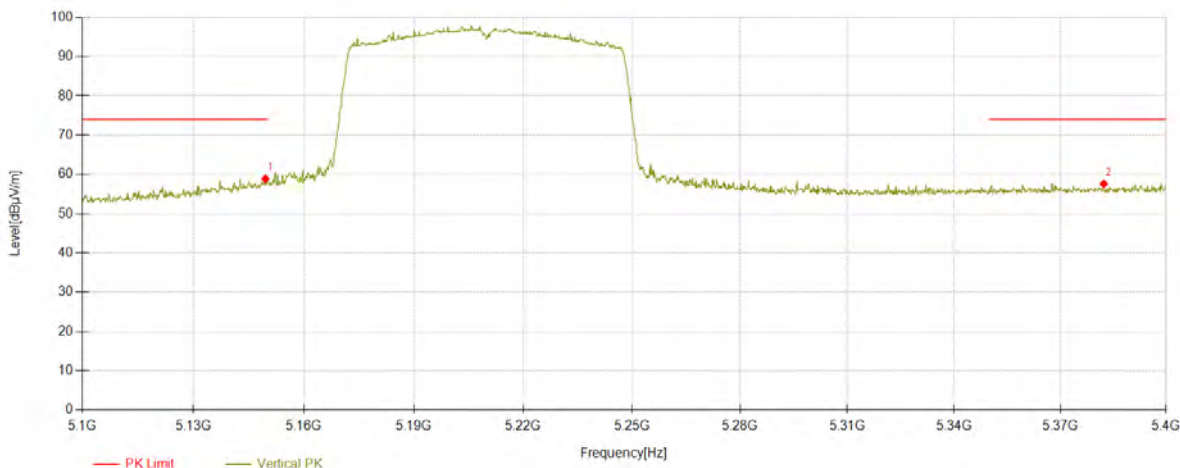
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.5248	48.92	31.76	-21.81	58.87	74.00	15.13	Vertical
2	5382.2911	46.75	32.32	-21.45	57.62	74.00	16.38	Vertical



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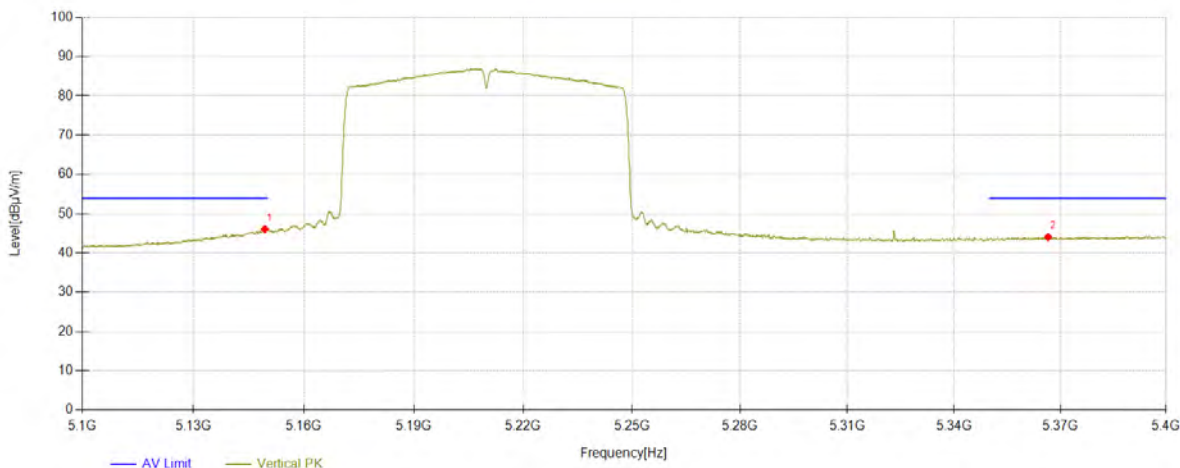
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.3747	36.15	31.76	-21.81	46.10	54.00	7.90	Vertical
2	5366.5333	33.32	32.28	-21.54	44.06	54.00	9.94	Vertical



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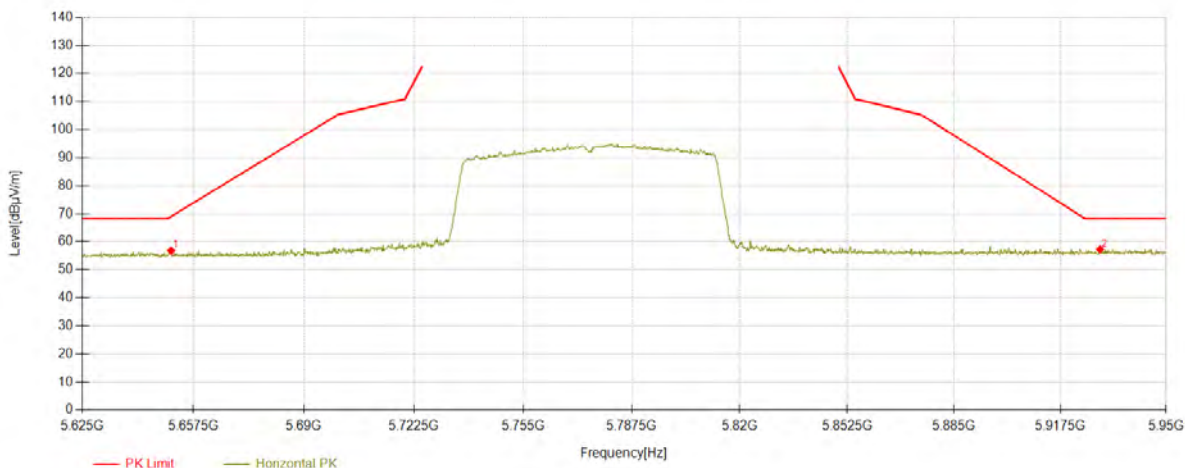
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5651.013	45.40	32.54	-21.12	56.82	69.05	12.23	Horizontal
2	5929.6773	45.34	32.43	-20.45	57.32	68.30	10.98	Horizontal



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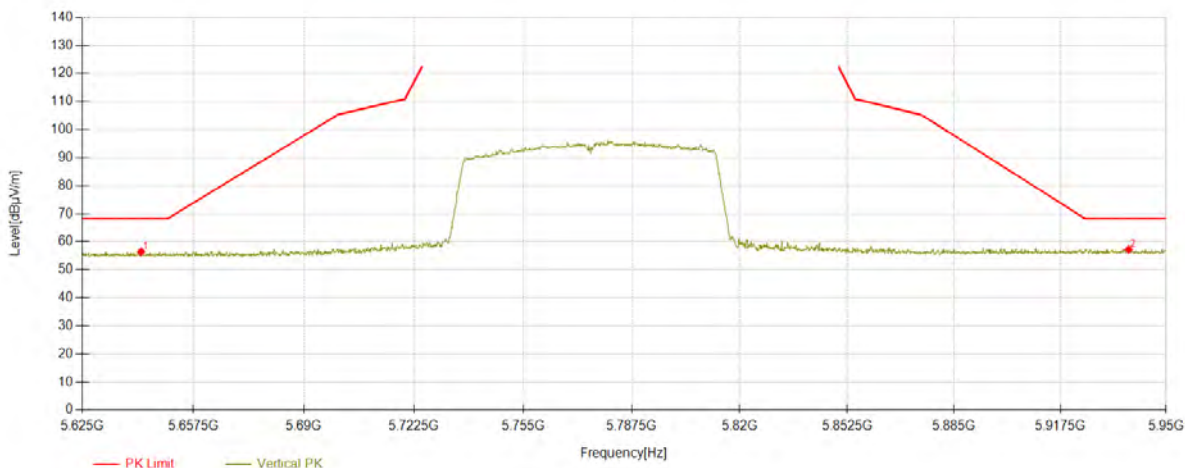
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Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.2336	45.01	32.54	-21.10	56.45	68.30	11.85	Vertical
2	5938.4567	45.31	32.42	-20.46	57.27	68.30	11.03	Vertical

Remark:

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

$$\text{Level} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB}/\text{m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB}/\text{m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Level}(\text{dB}\mu\text{V}/\text{m})$$
- Both peak and average measured complies with the limit line, so test result is "PASS"
- For 802.11n HT20/ac VHT20 and 802.11n HT40/ac VHT40 mode, the whole testing have assessed only, 802.11n HT20/40 by referring to their higher output power.

---End of Report---



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