

TEST REPORT

Application No.: SUCR2510001019AT
Applicant: Quectel Wireless Solutions Co., Ltd.
Address of Applicant: No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
Manufacturer: Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer: No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
EUT Description: 5G Edge Computing Box
Model No.: QB560D-WF
Trade Mark: QUECTEL
FCC ID: XMR25QB560DWF
Standards: FCC 47 CFR Part 15, Subpart E
Date of Receipt: 2025-10-21
Date of Test: 2025-11-26 to 2025-12-02
Date of Issue: 2025-12-02

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

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Version

Revision Record			
Version	Description	Date	Remark
01	Original	2025-12-02	/

Authorized for issue by:			
Tested By		Nature Shen	
		Nature Shen/Project Engineer	
Approved By		Cedar cheng	
		Cedar Cheng /Reviewer	

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1 Test Summary

Test Item	FCC Rule No.	Test Requirements	Test Result	Result
Antenna Requirement	15.203/15.407(a)	--	Clause 5.1	PASS
AC Power Line Conducted Emissions	15.407(b)(8)	< FCC 15.207 limits	Clause 5.2	PASS
Duty Cycle	--	No limit.	--	For Report Purpose
Maximum e.i.r.p.	15.407(a)(5)	the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.	Clause 5.3	PASS
26dB Emission Bandwidth	15.407(a)(10)	The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.	--	Reference report KSCR231200230501
99% Occupied Bandwidth	2.1049	No limit.	--	
Maximum Power Spectral Density	15.407(a)(5)	not exceed 5 dBm e.i.r.p. in any 1-megahertz band	Clause 5.4	Pass
In-Band Emissions	15.407(b)(6)	EUT must meet the limits detailed in 15.407(b)(6)	--	Reference report KSCR231200230501
Contention Based Protocol	15.407(d)(6)	EUT must detect AWGN signal with 90% (or better) certainty	--	
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	15.407(b)(5)	< -27dBm/MHz e.i.r.p. outside of the 5.925 – 7.125GHz band	Clause 5.5	PASS
Unwanted Emissions in the Restricted Bands (Radiated)	15.205, 15.209	Emissions in restricted bands must meet the radiated limits detailed in 15.209	Clause 5.6	PASS

Remark:

This smart module (Model: SG560D-WF) has completed certification, and its certification report was issued by Compliance Certification Services (kunshan) inc. with the report number KSCR231200230501. Based on this, only brand-new tests for AC Power Line Conducted Emissions, Maximum e.i.r.p., Unwanted Emissions that fall Out of the Restricted Bands (Radiated) and Unwanted Emissions in the Restricted Bands (Radiated) will be carried out on this sample (Model: QB560D-WF); in view of the significant difference in antenna gain of the UNII-8 frequency band from the module's original certified state, a special test for the maximum power spectral density of this frequency band will be conducted simultaneously. For other test data, please refer directly to the module's original certification test report.

2 General Information

2.1 Details of Client

Applicant:	Quectel Wireless Solutions Co., Ltd.
Address of Applicant:	No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China
Manufacturer:	Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer:	No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China

2.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	King-p Li

2.3 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

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

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

2.4 General Description of EUT

Hardware Version:	R1.0
Software Version:	SG560DWFPAR60A06
Power Supply:	12V
IEEE 802.11 WLAN Mode Supported:	☒ 802.11a/ax (20 MHz channel bandwidth) ☒ 802.11ax (40 MHz channel bandwidth) ☒ 802.11ax (80 MHz channel bandwidth) ☒ 802.11ax (160 MHz channel bandwidth)
Operation Frequency:	5925 MHz ~ 6425 MHz 6425 MHz ~ 6525 MHz 6525 MHz ~ 6875 MHz 6875 MHz ~ 7125 MHz
Type of Modulation:	OFDM/OFDMA
FCC Classification:	6GHz Low Power Indoor Access Point (6ID)
Antenna Type:	Dipole Antenna
Antenna Gain*:	ANT1: UNII-5: 3.4dBi; UNII-6:3.9dBi; UNII-7: 3.3dBi; UNII-8:5.3dBi; ANT2: UNII-5: 3.4dBi; UNII-6:3.9dBi; UNII-7: 3.3dBi; UNII-8:5.3dBi;
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.
RF Cable:	2dB
Remark: 1.The EUT supports Wi-Fi MIMO and SISO modes. Since transmit power is higher in MIMO mode, all tests were performed under MIMO mode as the worst-case condition. 2.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.	

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, 1 near low end

For UNII-5:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/ax/be 20MHz	1	5955
	45	6175
	93	6415
IEEE 802.11ax/be 40MHz	3	5965
	43	6165
	91	6405
IEEE 802.11ax/be 80MHz	7	5985
	39	6145
IEEE 802.11ax/be 160MHz	15	6025
	47	6185
	79	6345
IEEE 802.11be 320MHz	32	6105
	64	6265

For UNII-6:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/ax/be 20MHz	97	6435
	105	6475
	113	6515
IEEE 802.11ax/be 40MHz	99	6445
	107	6485
	115	6525
IEEE 802.11ax/be 80MHz	87	6385
	103	6465
IEEE 802.11ax/be 160MHz	111	6505

For UNII-7:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/ax/be 20MHz	117	6535
	149	6695
	181	6855
	185	6875
IEEE 802.11ax/be 40MHz	123	6565
	147	6685
	179	6845
IEEE 802.11ax/be 80MHz	119	6545
	135	6625
	151	6705
	167	6785
	183	6865
IEEE 802.11ax/be 160MHz	143	6665
	175	6825

For UNII-8:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/ax/be 20MHz	189	6895
	209	6995
	233	7115
IEEE 802.11ax/be 40MHz	187	6885
	195	6925
	203	6965
	227	7085
IEEE 802.11ax/be 80MHz	199	6945
	215	7025
IEEE 802.11ax/be 160MHz	207	6985

2.5 Test Environment and Mode

Environment Parameter	101 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~25	12
Remark: NV: Normal Voltage NT: Normal Temperature		

2.6 Description of Support Units

The EUT has been tested as an independent unit.

2.7 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	/
802.11ax (HE 20)	MCS0 (8 Mbps)	MCS0 (16 Mbps)
802.11ax (HE 40)	MCS0 (16 Mbps)	MCS0 (32 Mbps)
802.11ax (HE 80)	MCS0 (34 Mbps)	MCS0 (68 Mbps)
802.11ax (HE 160)	MCS0 (68 Mbps)	MCS0 (136 Mbps)

3 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	EMI Test Receive	R&S	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
2	LISN	R&S	ENV216	SUWI-01-19-03	5/8/2025	5/7/2026
3	LISN	Schwarzbeck	ENV216	SUWI-01-19-04	5/8/2025	5/7/2026
4	Test Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	N.C.R	N.C.R
RF Conducted Test						
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
2	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-15	11/21/2025	11/20/2026
3	MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	1/15/2025	1/14/2026
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	SUWI-01-07-08	3/27/2025	3/26/2026
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-8-01	1/16/2025	1/15/2026
6	MXG Vector Signal Generator	ROHDE&SCHWARZ	SMR20	SUWI-01-33-01	11/21/2025	11/20/2026
7	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-13	5/8/2025	5/7/2026
8	Wideband Radio Communication Test Ststion	Anritsu	MT8000A	SUWI-01-34-02	11/21/2025	11/20/2026
9	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/21/2025	11/20/2026
10	Power meter	Anritsu	ML2495A	SUWI-01-31-01	11/21/2025	11/20/2026
11	Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	11/21/2025	11/20/2026
12	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
13	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2/13/2025	2/12/2026
14	Temperature Chamber	GIANT FORCE	ICT-017-40-SP-SD	SUWI-01-13-02	5/7/2025	5/6/2026
15	Measurement Software	TST	TST 272 V2.02	SUWI-03-55-03	NCR	NCR
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/3/2023	6/2/2026
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-09	11/21/2025	11/20/2026
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	1/16/2025	1/15/2026
6	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	9/10/2025	9/9/2027
7	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/7/2025	5/6/2027
8	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/7/2025	5/6/2027

9	Active Loop Antenna	SCHWYZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/7/2025	5/6/2027
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	1/16/2025	1/15/2026
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/16/2025	1/15/2026
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/20/2025	1/19/2026
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	11/21/2025	11/20/2026
14	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	8/25/2025	8/24/2026
15	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	8/26/2025	8/25/2026
16	Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/21/2025	11/20/2026
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	1/16/2025	1/15/2026
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
20	Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-06	NCR	NCR

Remark: NCR=No Calibration Requirement.

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

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	$\pm 0.54\text{dB}$
2	RF power density, conducted	$\pm 1.03\text{dB}$
3	Spurious emissions, conducted	$\pm 0.54\text{dB}$
4	Radio Frequency	1%
5	Duty Cycle	$\pm 0.37\%$
6	Occupied Bandwidth	1%
7	Conduction Emission	$\pm 2.9\text{dB}$ (150kHz to 30MHz)
8	Radiated Emission(966-01)	$\pm 3.13\text{dB}$ (9k -30MHz)
		$\pm 4.88\text{dB}$ (30M -1GHz)
		$\pm 4.75\text{dB}$ (1GHz to 18GHz)
		$\pm 4.77\text{dB}$ (Above 18GHz)

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.

5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15 Section 15.203
This product uses a dedicated RF connector not intended for user replacement, meeting § 15.203. The best case gain of the antenna is: ANT1: UNII-5: 3.4dBi; UNII-6:3.9dBi; UNII-7: 3.3dBi; UNII-8:5.3dBi; ANT2: UNII-5: 3.4dBi; UNII-6:3.9dBi; UNII-7: 3.3dBi; UNII-8:5.3dBi; <i>Note:</i> The antenna gain are derived from the gain information report provided by the manufacturer. <i>Remark:</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.	

Cyclic Delay Diversity (CDD) System:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,

$$\text{Array Gain} = 10 \log(N_{ANT}/N_{SS}=1) \text{ dB.}$$

- For power measurements on IEEE 802.11 devices:

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for } N_{ANT} \leq 4;$$

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

The Power and PSD limit should be modified if the directional gain of eut is over 6dbi.

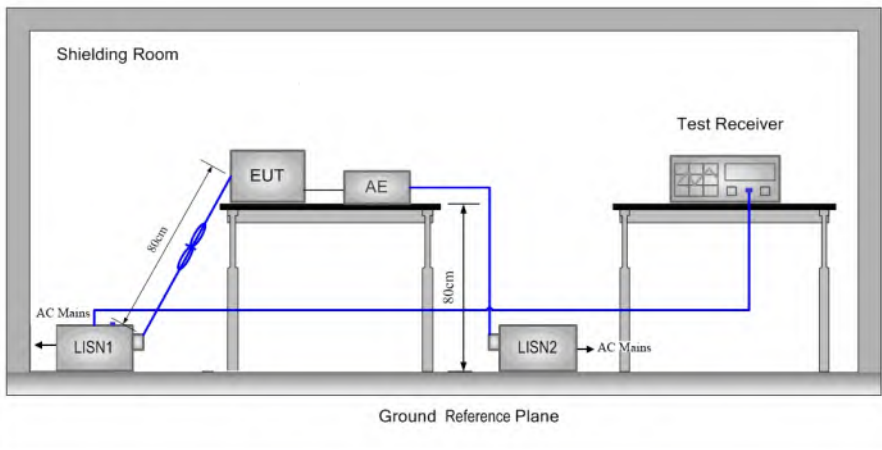
The EUT supports CDD System.

All antennas have the same gain:

Operation Frequency	ANT Gain1 (dBi)	ANT Gain2 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)
5925 MHz to 6425 MHz	3.4	3.4	3.4	6.41
6425 MHz to 6525 MHz	3.9	3.9	3.9	6.91
6525 MHz to 6875 MHz	3.3	3.3	3.3	6.31
6875 MHz to 7125 MHz	5.3	5.3	5.3	8.31

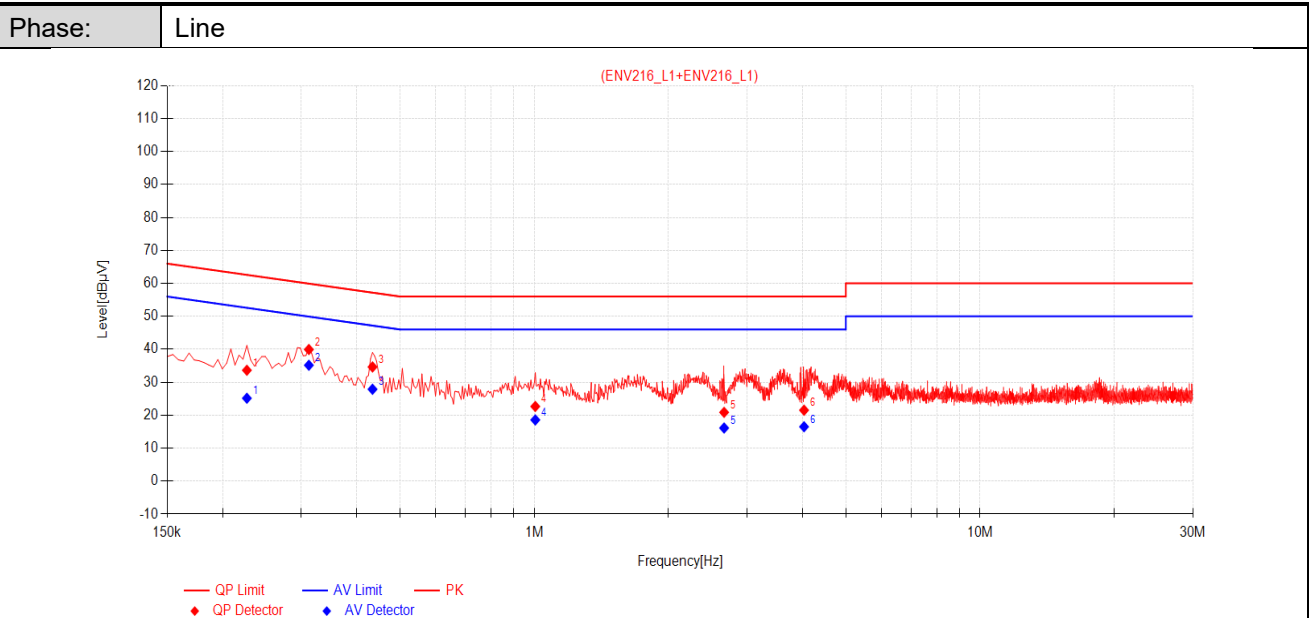
5.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2020 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 $50\Omega/50\mu\text{H} + 5\Omega$ 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: 2020 on conducted measurement.		

Test Setup:	
Test Mode:	BT Link + WIFI 2.4G Link + WIFI 5G/6E Link
Instruments Used:	Refer to section 3 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.

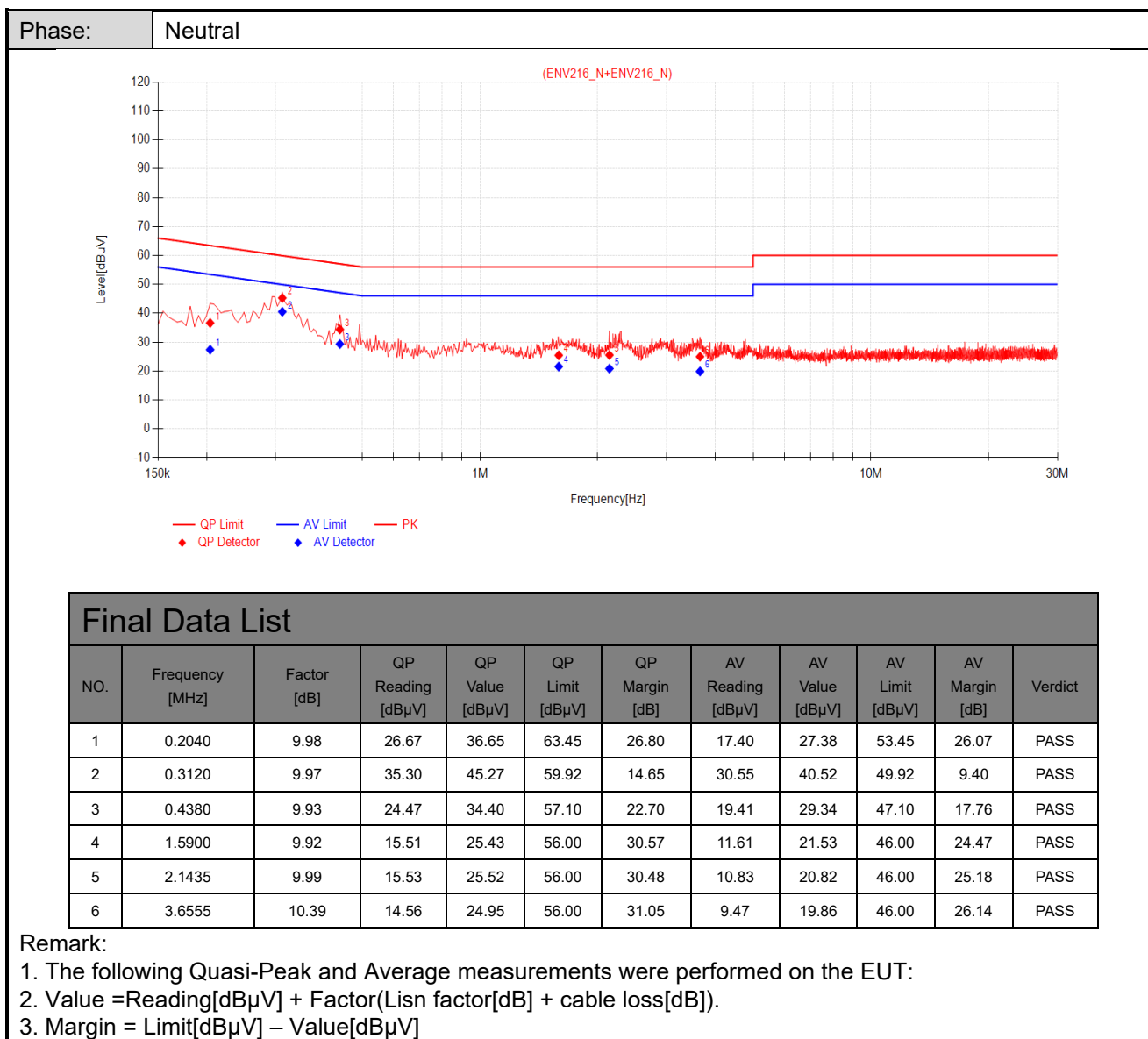


Final Data List

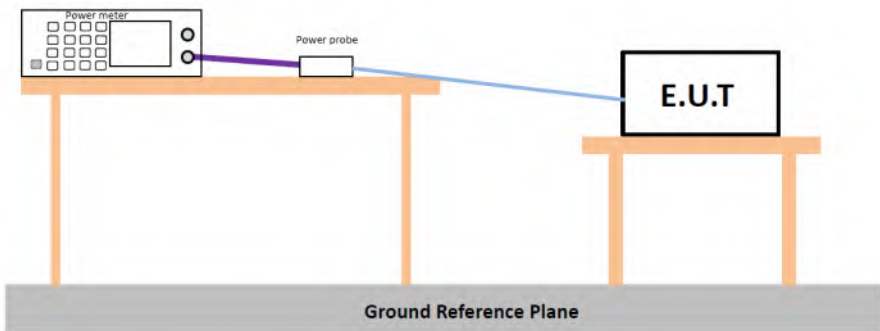
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2265	9.96	23.67	33.63	62.58	28.95	15.19	25.15	52.58	27.43	PASS
2	0.3120	9.97	29.97	39.94	59.92	19.98	25.19	35.16	49.92	14.76	PASS
3	0.4335	9.95	24.69	34.64	57.19	22.55	17.92	27.87	47.19	19.32	PASS
4	1.0050	9.94	12.72	22.66	56.00	33.34	8.64	18.58	46.00	27.42	PASS
5	2.6655	10.26	10.60	20.86	56.00	35.14	5.86	16.12	46.00	29.88	PASS
6	4.0290	10.34	11.19	21.53	56.00	34.47	6.17	16.51	46.00	29.49	PASS

Remark:

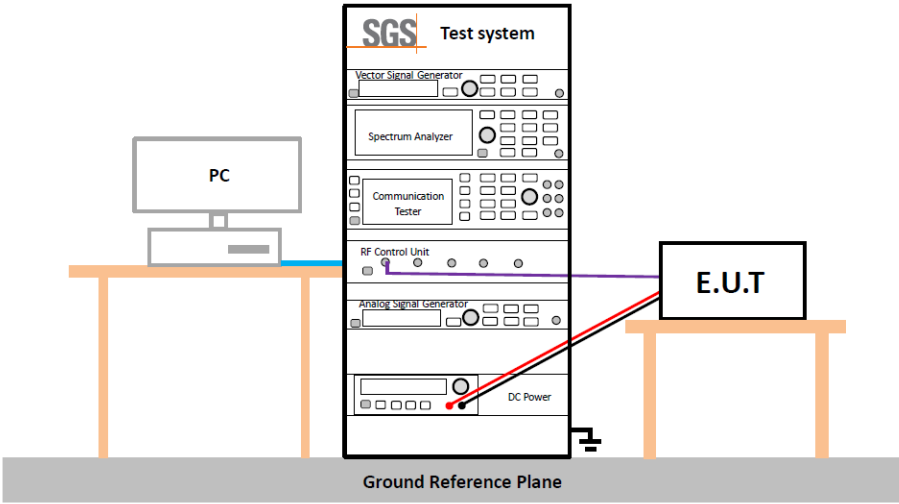
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Value = Reading [dBμV] + Factor (Lisn factor [dB] + cable loss [dB]).
3. Margin = Limit [dBμV] - Value [dBμV]



5.3 Maximum e.i.r.p.

Test Requirement:	47 CFR Part 15 Section 15.407(a)(5)
Test Method:	ANSI C63.10-2020 Section 12.4.3.2
Test Setup:	 * Test with power meter (Detector function: Average)
Test Instruments:	Refer to section 3 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Refer to section 2.7 for details.
Limit:	For an indoor access point operating in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.
Test Results:	Pass
The detailed test data see: Appendix	

5.4 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)(5)
Test Method:	ANSI C63.10-2020 Section 12.6 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:	For an indoor access point operating in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p. in any 1-megahertz band.
Test Results:	Pass
The detailed test data see: Appendix	

5.5 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.205 and 15.209
Test Method:	ANSI C63.10: 2020 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:

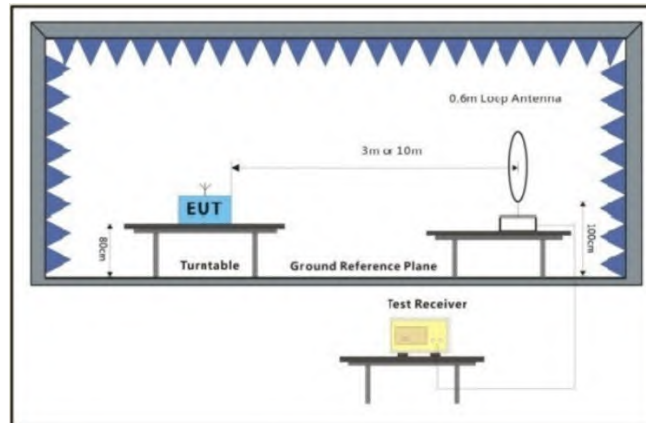


Figure 1. 9kHz to 30MHz

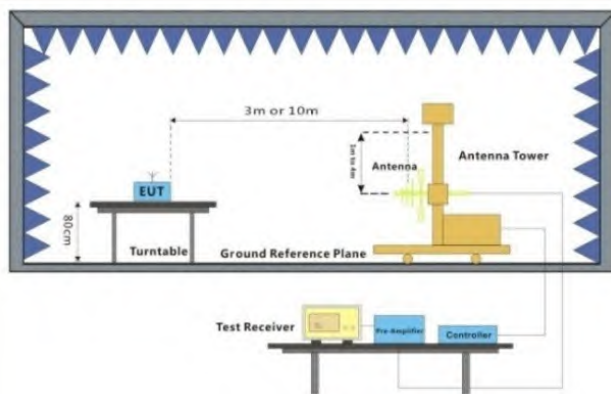


Figure 1. 30MHz to 1GHz

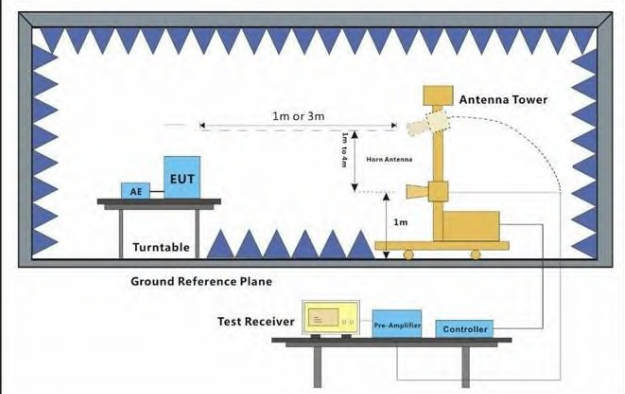


Figure 2. Above 1 GHz

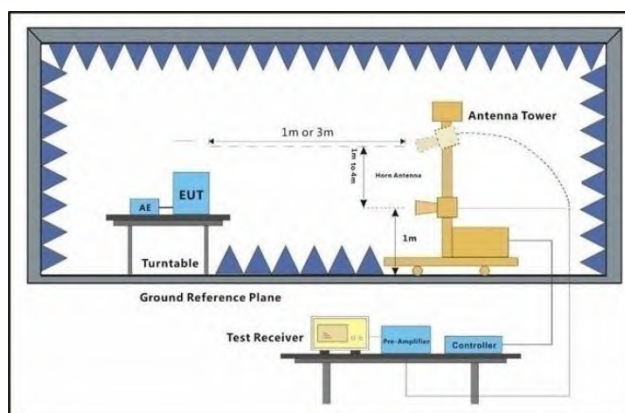
Test Procedure:	- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - For above 1GHz test, the EUT was placed on the top of 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). - 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. - 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
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	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 X 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 $20 \times \log(3/1) = 9.54$ 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. Value = Reading + Factor(Antenna Factor + Cable loss – Preamplifier Factor).
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 2.7 for details. For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report.
Instruments Used:	Refer to section 3 for details
Test Results:	Pass
The detailed test data see: Appendix	

5.6 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2020 Section 11.12		
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
- Test the EUT in the outermost channels.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- 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. Value = Reading + Factor(Antenna Factor + Cable loss).
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 2.7 for details.
Instruments Used:	Refer to section 3 for details
Test Results:	Pass
The detailed test data see: Appendix	

6 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2510001019AT

7 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SUCR2510001019AT

8 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	MIMO	5955	/	/	2.097	2.112	99.29	0.03	0.03
	802.11ax (HEW20)	MIMO	5955	SU	/	5.359	5.377	99.67	0.01	0.04
	802.11ax (HEW40)	MIMO	5965	SU	/	4.821	4.838	99.65	0.02	0.03
	802.11ax (HEW80)	MIMO	5985	SU	/	2.556	2.572	99.38	0.03	0.03
	802.11ax (HEW160)	MIMO	6025	SU	/	2.210	2.226	99.28	0.03	0.03

1.1.2 Ant2

Ant2										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	MIMO	5955	/	/	2.095	2.113	99.15	0.04	0.03
	802.11ax (HEW20)	MIMO	5955	SU	/	5.357	5.376	99.65	0.02	0.03
	802.11ax (HEW40)	MIMO	5965	SU	/	4.822	4.839	99.65	0.02	0.03
	802.11ax (HEW80)	MIMO	5985	SU	/	2.555	2.572	99.34	0.03	0.03
	802.11ax (HEW160)	MIMO	6025	SU	/	2.210	2.226	99.28	0.03	0.03

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	4.84	4.87	7.87	/	Pass
			6175	/	/	3.92	3.98	6.96	/	Pass
			6415	/	/	5.94	5.56	8.76	/	Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	5.05	5.14	8.11	/	Pass
			6175	SU	/	4.35	4.21	7.29	/	Pass
			6415	SU	/	5.82	5.52	8.68	/	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	8.92	8.46	11.71	/	Pass
			6165	SU	/	7.75	7.41	10.59	/	Pass
			6405	SU	/	8.96	8.69	11.84	/	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	12.19	11.48	14.86	/	Pass
			6145	SU	/	11.86	10.95	14.44	/	Pass
			6385	SU	/	11.61	10.46	14.08	/	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	12.90	13.72	16.34	/	Pass
			6185	SU	/	12.65	13.04	15.86	/	Pass
			6345	SU	/	12.69	13.24	15.98	/	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;

2.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	8.24	8.27	11.27	<=30	Pass
			6175	/	/	7.32	7.38	10.36	<=30	Pass
			6415	/	/	9.34	8.96	12.16	<=30	Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	8.45	8.54	11.51	<=30	Pass
			6175	SU	/	7.75	7.61	10.69	<=30	Pass
			6415	SU	/	9.22	8.92	12.08	<=30	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	12.32	11.86	15.11	<=30	Pass
			6165	SU	/	11.15	10.81	13.99	<=30	Pass
			6405	SU	/	12.36	12.09	15.24	<=30	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	15.59	14.88	18.26	<=30	Pass
			6145	SU	/	15.26	14.35	17.84	<=30	Pass
			6385	SU	/	15.01	13.86	17.48	<=30	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	16.30	17.12	19.74	<=30	Pass
			6185	SU	/	16.05	16.44	19.26	<=30	Pass
			6345	SU	/	16.09	16.64	19.38	<=30	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi;

Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;
- Band: 6+7 Ant2: 3.90dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

2.1.3 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6435	/	/	5.67	5.79	8.74	/	Pass
			6475	/	/	4.81	4.88	7.86	/	Pass
			6515	/	/	4.43	5.56	8.04	/	Pass
	802.11ax (HEW20)	MIMO	6435	SU	/	6.12	6.39	9.27	/	Pass
			6475	SU	/	5.17	5.36	8.28	/	Pass
			6515	SU	/	4.83	6.03	8.48	/	Pass
	802.11ax (HEW40)	MIMO	6445	SU	/	9.25	9.49	12.38	/	Pass
			6485	SU	/	8.11	8.55	11.35	/	Pass
	802.11ax (HEW80)	MIMO	6465	SU	/	12.67	12.74	15.72	/	Pass

Note1: Antenna Gain:

Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;

2.1.4 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6435	/	/	9.57	9.69	12.64	<=30	Pass
			6475	/	/	8.71	8.78	11.76	<=30	Pass
			6515	/	/	8.33	9.46	11.94	<=30	Pass
	802.11ax (HEW20)	MIMO	6435	SU	/	10.02	10.29	13.17	<=30	Pass
			6475	SU	/	9.07	9.26	12.18	<=30	Pass
			6515	SU	/	8.73	9.93	12.38	<=30	Pass
	802.11ax (HEW40)	MIMO	6445	SU	/	13.15	13.39	16.28	<=30	Pass
			6485	SU	/	12.01	12.45	15.25	<=30	Pass
	802.11ax (HEW80)	MIMO	6465	SU	/	16.57	16.64	19.62	<=30	Pass

Note1: Antenna Gain:

Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi; Note2: E.I.R.P = Measured Power + Antenna Gain

2.1.5 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6535	/	/	4.55	5.48	8.05	/	Pass
			6695	/	/	4.50	6.43	8.58	/	Pass
			6855	/	/	3.94	3.91	6.94	/	Pass
	802.11ax	MIMO	6535	SU	/	4.93	5.98	8.50	/	Pass

	(HEW20)		6695	SU	/	4.84	6.93	9.02	/	Pass
			6855	SU	/	4.32	4.39	7.37	/	Pass
	802.11ax (HEW40)	MIMO	6565	SU	/	8.49	9.49	12.03	/	Pass
			6685	SU	/	8.22	9.86	12.13	/	Pass
			6845	SU	/	6.97	7.10	10.05	/	Pass
	802.11ax (HEW80)	MIMO	6625	SU	/	11.81	13.52	15.76	/	Pass
			6705	SU	/	11.09	13.13	15.24	/	Pass
			6785	SU	/	10.30	11.12	13.74	/	Pass
	802.11ax (HEW160)	MIMO	6665	SU	/	14.65	13.18	16.99	/	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;

2.1.6 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6535	/	/	7.85	8.78	11.35	<=30	Pass
			6695	/	/	7.80	9.73	11.88	<=30	Pass
			6855	/	/	7.24	7.21	10.24	<=30	Pass
	802.11ax (HEW20)	MIMO	6535	SU	/	8.23	9.28	11.80	<=30	Pass
			6695	SU	/	8.14	10.23	12.32	<=30	Pass
			6855	SU	/	7.62	7.69	10.67	<=30	Pass
	802.11ax (HEW40)	MIMO	6565	SU	/	11.79	12.79	15.33	<=30	Pass
			6685	SU	/	11.52	13.16	15.43	<=30	Pass
			6845	SU	/	10.27	10.40	13.35	<=30	Pass
	802.11ax (HEW80)	MIMO	6625	SU	/	15.11	16.82	19.06	<=30	Pass
			6705	SU	/	14.39	16.43	18.54	<=30	Pass
			6785	SU	/	13.60	14.42	17.04	<=30	Pass
	802.11ax (HEW160)	MIMO	6665	SU	/	17.95	16.48	20.29	<=30	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi; Note2: E.I.R.P = Measured Power + Antenna Gain

2.1.7 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6895	/	/	5.30	4.50	7.93	/	Pass
			6995	/	/	4.13	1.71	6.10	/	Pass
			7115	/	/	6.11	3.23	7.91	/	Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	4.81	3.93	7.40	/	Pass
			6995	SU	/	4.61	2.20	6.58	/	Pass
			7115	SU	/	-10.51	-11.27	-7.27	/	Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	8.65	7.64	11.18	/	Pass
			7005	SU	/	8.06	5.71	10.05	/	Pass
			7085	SU	/	9.17	6.22	10.95	/	Pass

	802.11ax (HEW80)	MIMO	6945	SU	/	9.96	8.69	12.38	/	Pass
			7025	SU	/	10.49	7.81	12.36	/	Pass
	802.11ax (HEW160)	MIMO	6985	SU	/	11.34	12.06	14.73	/	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;

2.1.8 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6895	/	/	10.60	9.80	13.23	<=30	Pass
			6995	/	/	9.43	7.01	11.40	<=30	Pass
			7115	/	/	11.41	8.53	13.21	<=30	Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	10.11	9.23	12.70	<=30	Pass
			6995	SU	/	9.91	7.50	11.88	<=30	Pass
			7115	SU	/	-5.21	-5.97	-1.97	<=30	Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	13.95	12.94	16.48	<=30	Pass
			7005	SU	/	13.36	11.01	15.35	<=30	Pass
			7085	SU	/	14.47	11.52	16.25	<=30	Pass
	802.11ax (HEW80)	MIMO	6945	SU	/	15.26	13.99	17.68	<=30	Pass
			7025	SU	/	15.79	13.11	17.66	<=30	Pass
	802.11ax (HEW160)	MIMO	6985	SU	/	16.64	17.36	20.03	<=30	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

2.1.9 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6875	/	/	4.74	4.23	7.50	/	Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	6.19	5.71	8.97	/	Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	9.05	8.16	11.64	/	Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	10.13	9.47	12.82	/	Pass
	802.11ax (HEW160)	MIMO	6825	SU	/	13.53	12.52	16.06	/	Pass

Note1: Antenna Gain:
Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;

2.1.10 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6875	/	/	10.04	9.53	12.80	<=30	Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	11.49	11.01	14.27	<=30	Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	14.35	13.46	16.94	<=30	Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	15.43	14.77	18.12	<=30	Pass
	802.11ax (HEW160)	MIMO	6825	SU	/	18.83	17.82	21.36	<=30	Pass
Note1: Antenna Gain: Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi; Note2: E.I.R.P = Measured Power + Antenna Gain										

2.1.11 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	SU	/	10.12	11.07	13.63	/	Pass
	802.11ax (HEW80)	MIMO	6545	SU	/	11.31	12.12	14.74	/	Pass
	802.11ax (HEW160)	MIMO	6505	SU	/	15.10	13.69	17.46	/	Pass
Note1: Antenna Gain: Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi;										

2.1.12 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	SU	/	14.02	14.97	17.53	<=30	Pass
	802.11ax (HEW80)	MIMO	6545	SU	/	15.21	16.02	18.64	<=30	Pass
	802.11ax (HEW160)	MIMO	6505	SU	/	19.00	17.59	21.36	<=30	Pass
Note1: Antenna Gain: Band: 5 Ant1: 3.40dBi; Band: 6 Ant1: 3.90dBi; Band: 7 Ant1: 3.30dBi; Band: 8 Ant1: 5.30dBi; Band: 6+7 Ant1: 3.90dBi; Band: 7+8 Ant1: 5.30dBi; Band: 8 Ant2: 5.30dBi; Band: 6+7 Ant2: 3.90dBi; Band: 7+8 Ant2: 5.30dBi; Band: 5 Ant2: 3.40dBi; Band: 6 Ant2: 3.90dBi; Band: 7 Ant2: 3.30dBi; Note2: E.I.R.P = Measured Power + Antenna Gain										

3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6895	/	/	-6.81	-6.41	-3.88	/	Pass
			6995	/	/	-8.50	-8.53	-5.66	/	Pass
			7115	/	/	-7.61	-7.27	-4.66	/	Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	-7.29	-7.14	-4.43	/	Pass
			6995	SU	/	-7.83	-7.68	-4.97	/	Pass
			7115	SU	/	-8.05	-7.81	-5.04	/	Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	-7.40	-7.11	-4.40	/	Pass
			7005	SU	/	-7.60	-7.39	-4.68	/	Pass
			7085	SU	/	-8.19	-7.87	-5.27	/	Pass
	802.11ax (HEW80)	MIMO	6945	SU	/	-7.86	-8.07	-5.10	/	Pass
			7025	SU	/	-7.98	-8.10	-5.18	/	Pass
	802.11ax (HEW160)	MIMO	6985	SU	/	-7.77	-7.77	-4.99	/	Pass

Note1: Antenna Gain:
- Band: 8 Ant1: 5.30dBi;
- Band: 7+8 Ant1: 5.30dBi;
- Band: 8 Ant2: 5.30dBi;
- Band: 7+8 Ant2: 5.30dBi;

3.1.2 E.I.R.PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum E.I.R.PSD (dBm/MHz)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6895	/	/	-1.51	-1.11	4.43	<=5	Pass
			6995	/	/	-3.20	-3.23	2.65	<=5	Pass
			7115	/	/	-2.31	-1.97	3.65	<=5	Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	-1.99	-1.84	3.88	<=5	Pass
			6995	SU	/	-2.53	-2.38	3.34	<=5	Pass
			7115	SU	/	-2.75	-2.51	3.27	<=5	Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	-2.10	-1.81	3.91	<=5	Pass
			7005	SU	/	-2.30	-2.09	3.63	<=5	Pass
			7085	SU	/	-2.89	-2.57	3.04	<=5	Pass
	802.11ax (HEW80)	MIMO	6945	SU	/	-2.56	-2.77	3.21	<=5	Pass
			7025	SU	/	-2.68	-2.80	3.13	<=5	Pass
	802.11ax (HEW160)	MIMO	6985	SU	/	-2.47	-2.47	3.32	<=5	Pass

Note1: Antenna Gain:
- Band: 8 Ant1: 5.30dBi;
- Band: 7+8 Ant1: 5.30dBi;
- Band: 8 Ant2: 5.30dBi;
- Band: 7+8 Ant2: 5.30dBi;
Note2: E.I.R.PSD = Measured PSD + Antenna Gain

3.1.3 PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
						ANT1	ANT2	MIMO	Limit	

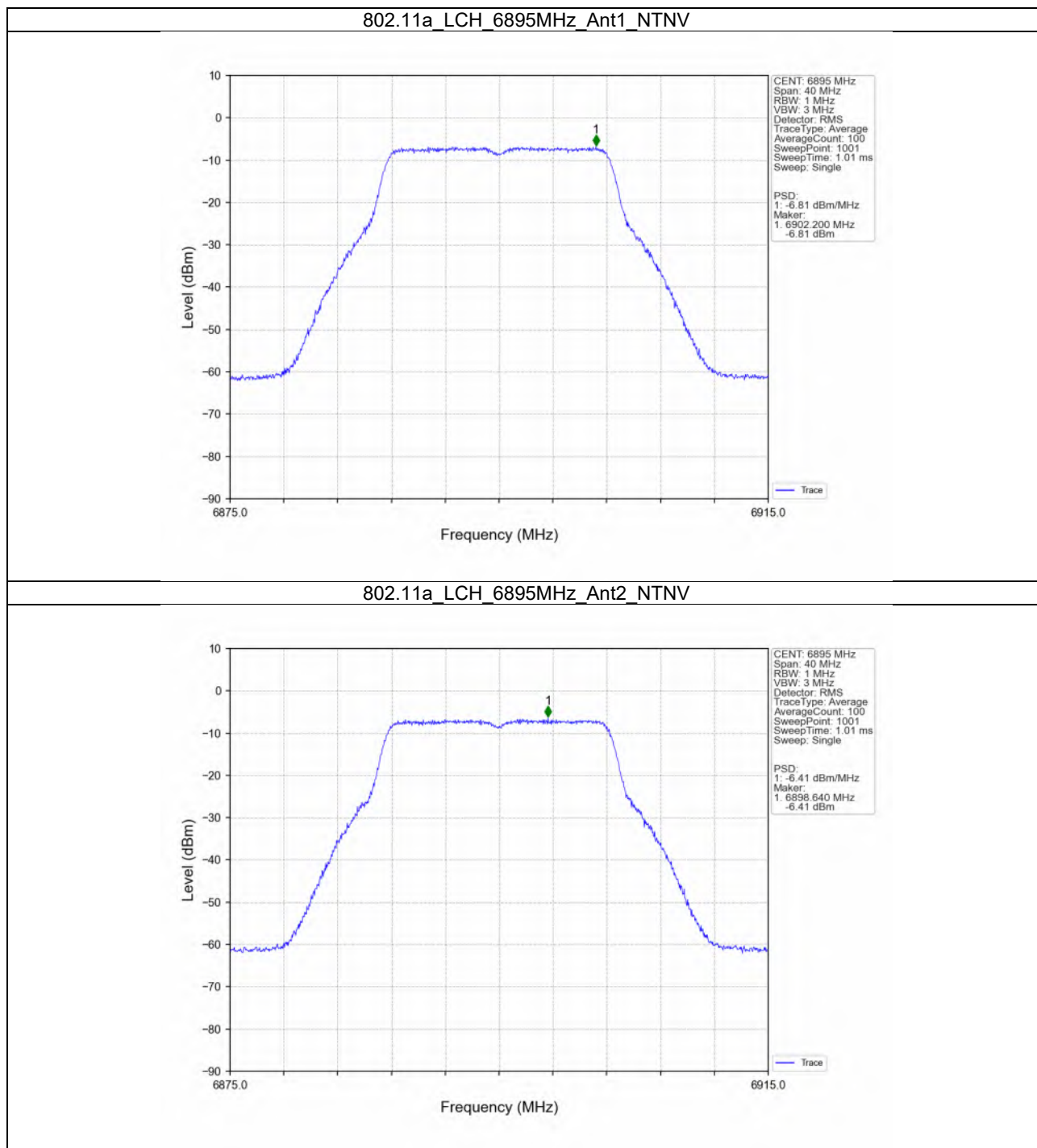
NTNV	802.11a	MIMO	6875	/	/	-7.84	-7.39	-4.87	/	Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	-8.05	-8.51	-5.11	/	Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	-7.50	-7.18	-4.52	/	Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	-7.55	-7.32	-4.56	/	Pass
	802.11ax (HEW160)	MIMO	6825	SU	/	-7.29	-6.84	-4.19	/	Pass
Note1: Antenna Gain: - Band: 8 Ant1: 5.30dBi; - Band: 7+8 Ant1: 5.30dBi; - Band: 8 Ant2: 5.30dBi; - Band: 7+8 Ant2: 5.30dBi;										

3.1.4 E.I.R.PSD

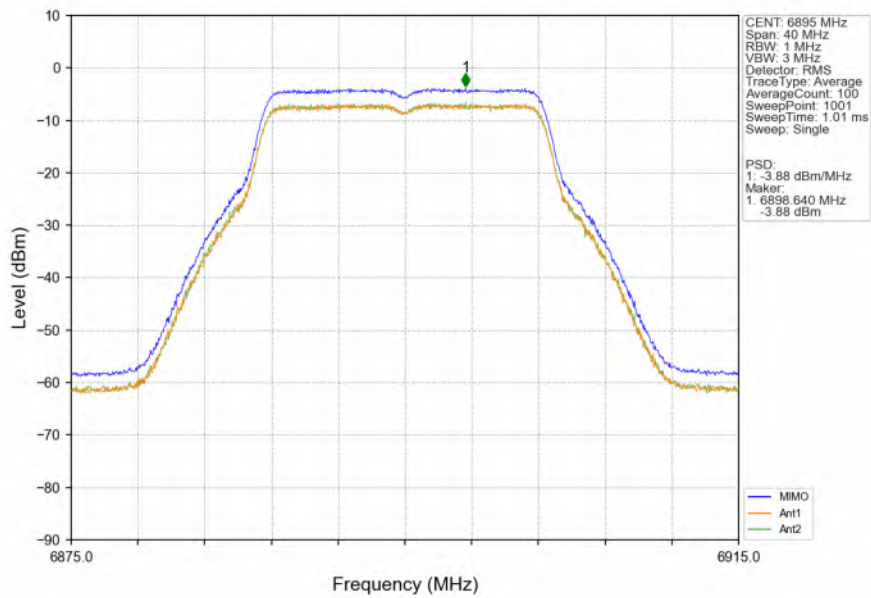
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum E.I.R.PSD (dBm/MHz)				Verdict
						ANT1	ANT2	MIMO	Limit	
NTNV	802.11a	MIMO	6875	/	/	-2.54	-2.09	3.44	<=5	Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	-2.75	-2.21	3.20	<=5	Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	-2.20	-1.88	3.79	<=5	Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	-2.25	-2.02	3.75	<=5	Pass
	802.11ax (HEW160)	MIMO	6825	SU	/	-1.99	-1.54	4.12	<=5	Pass
Note1: Antenna Gain: - Band: 8 Ant1: 5.30dBi; - Band: 7+8 Ant1: 5.30dBi; - Band: 8 Ant2: 5.30dBi; - Band: 7+8 Ant2: 5.30dBi;										
Note2: E.I.R.PSD = Measured PSD + Antenna Gain										

3.2 Test Graph

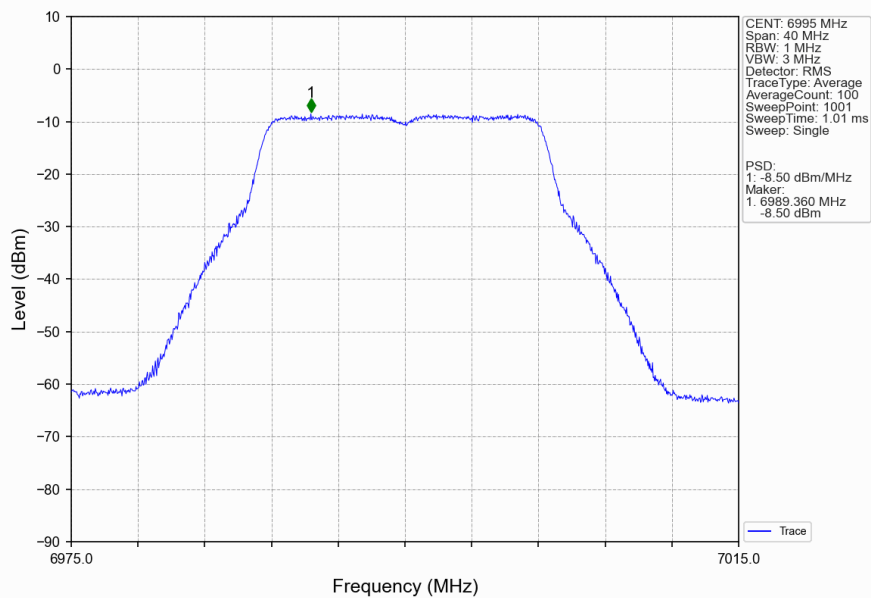
3.2.1 PSD



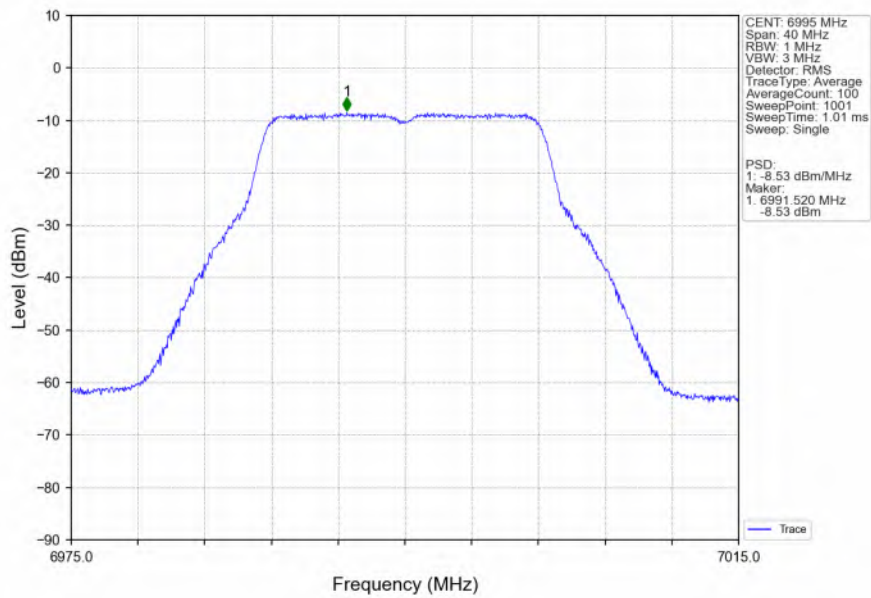
802.11a_LCH_6895MHz_MIMO_NTNV



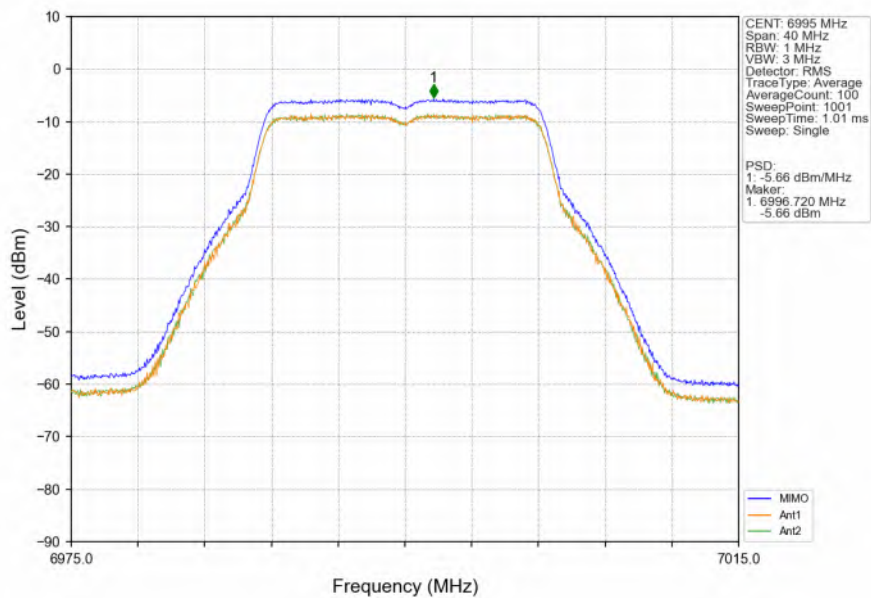
802.11a_MCH_6995MHz_Ant1_NTNV



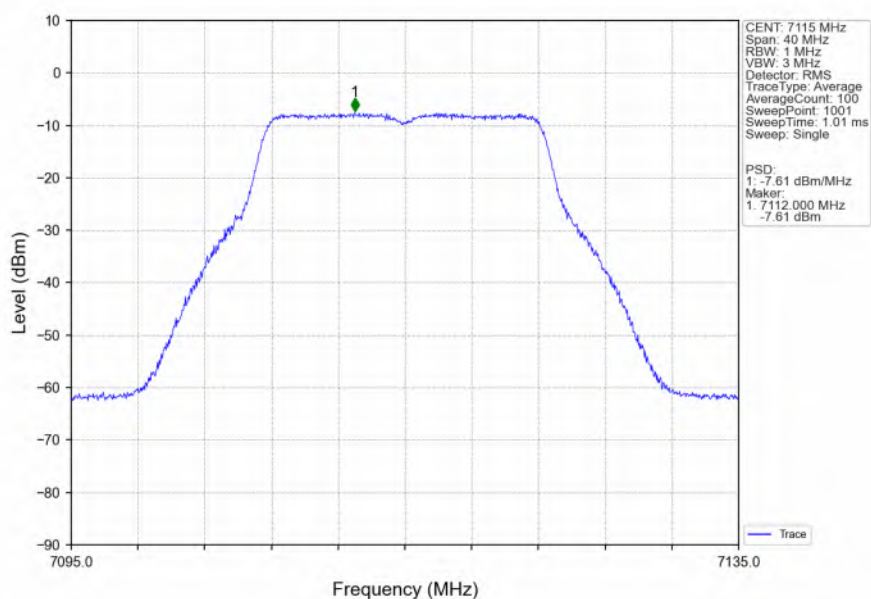
802.11a_MCH_6995MHz_Ant2_NTNV



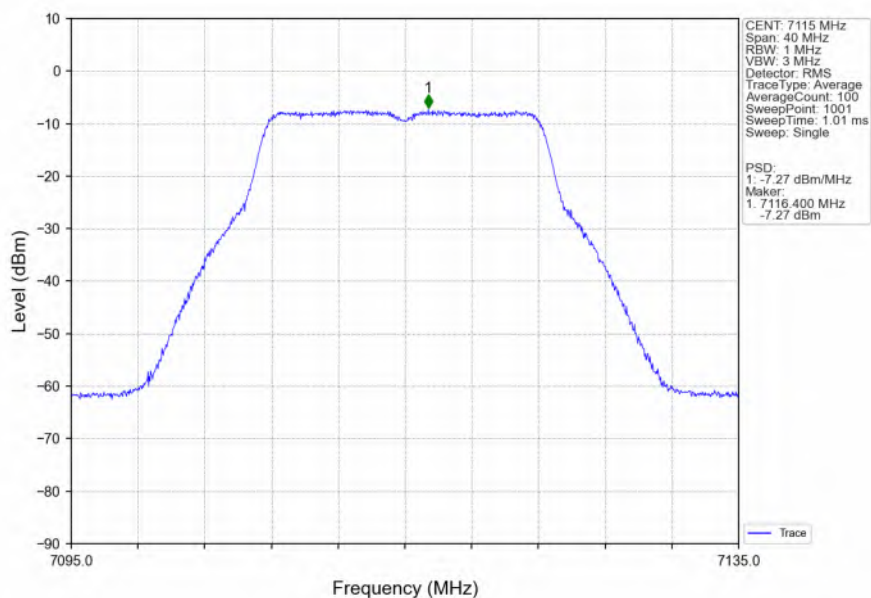
802.11a_MCH_6995MHz_MIMO_NTNV



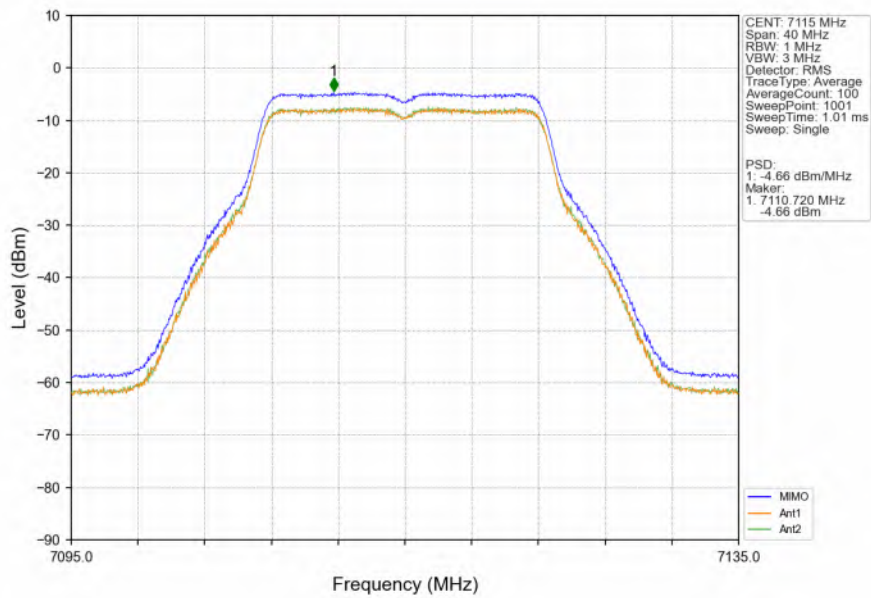
802.11a_HCH_7115MHz_Ant1_NTNV



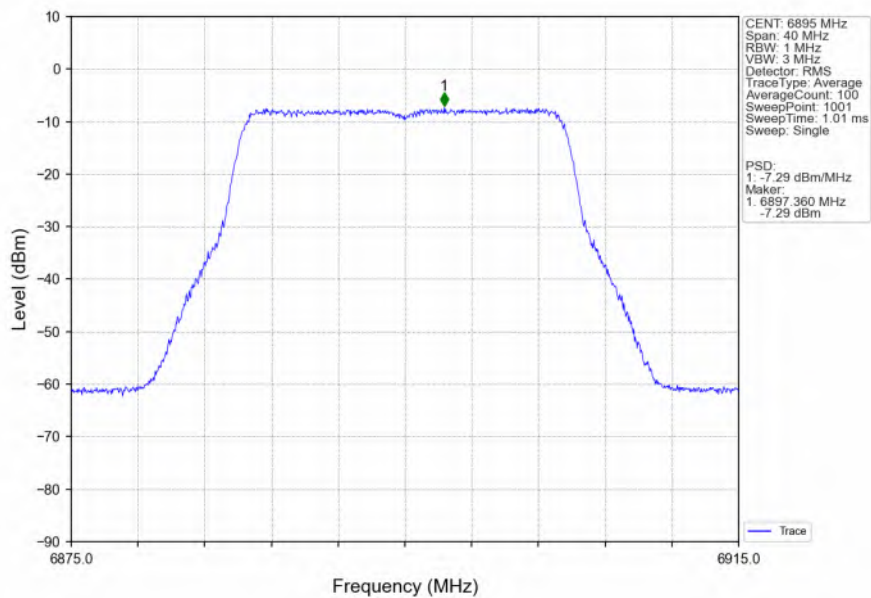
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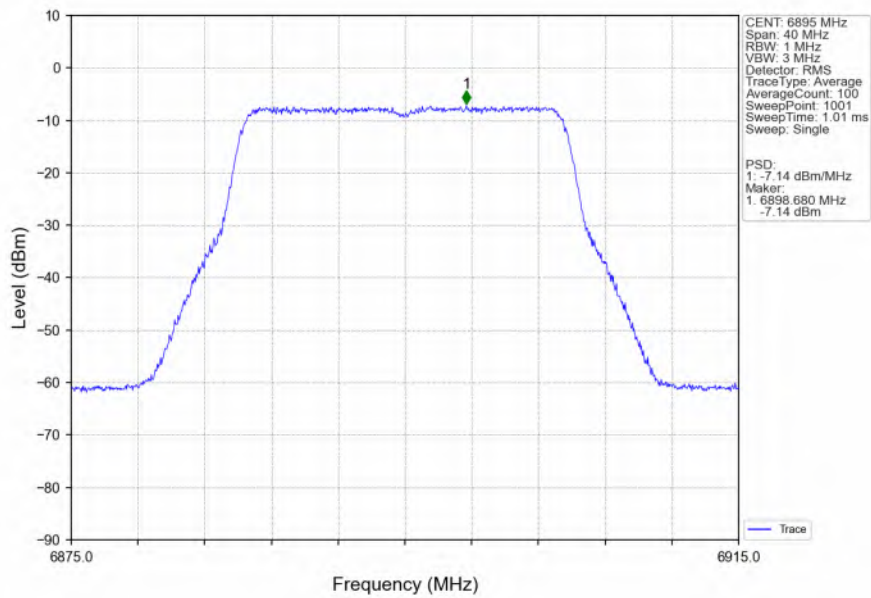
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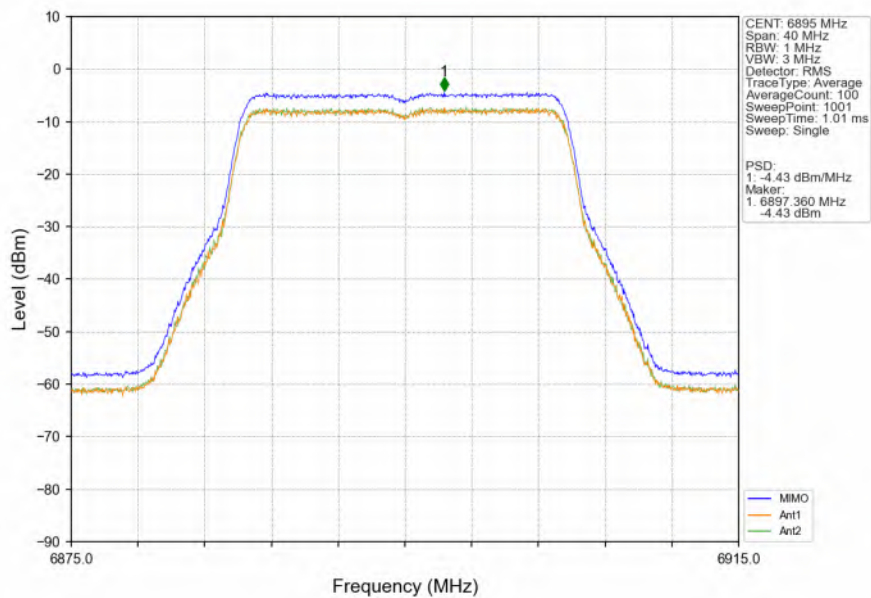
802.11ax(HEW20)_LCH_6895MHz_SU / Ant1_NTNV



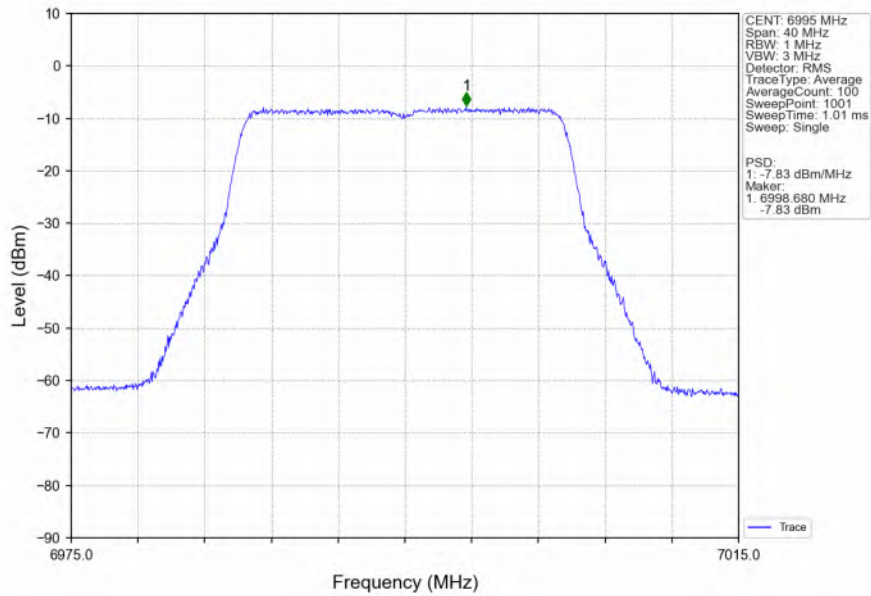
802.11ax(HEW20)_LCH_6895MHz_SU / _Ant2_NTNV



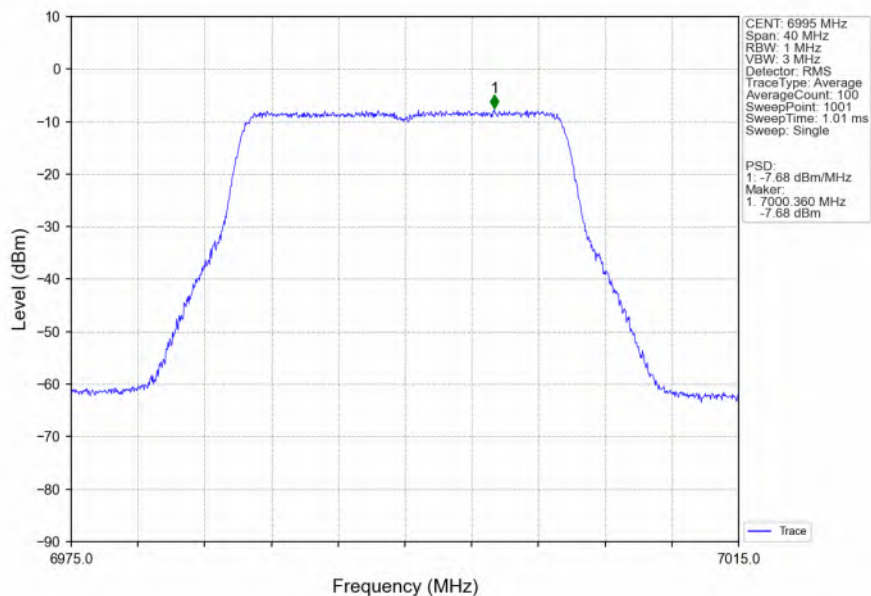
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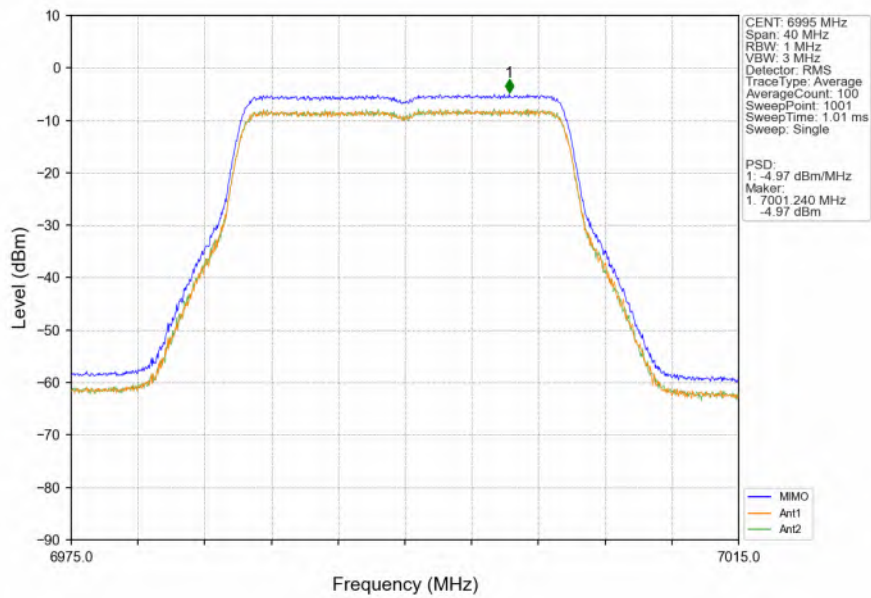
802.11ax(HEW20)_MCH_6995MHz_SU / _Ant1_NTNV



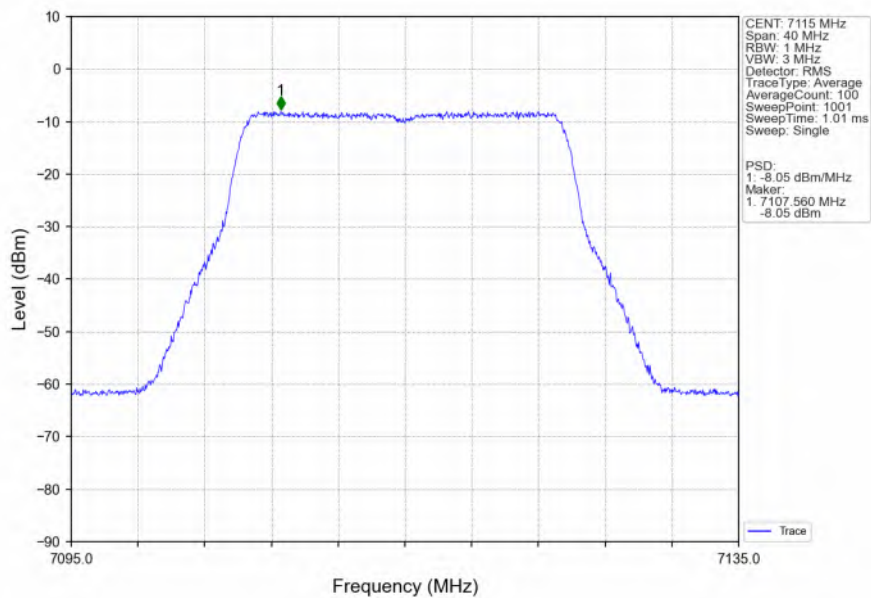
802.11ax(HEW20)_MCH_6995MHz_SU / _Ant2_NTNV



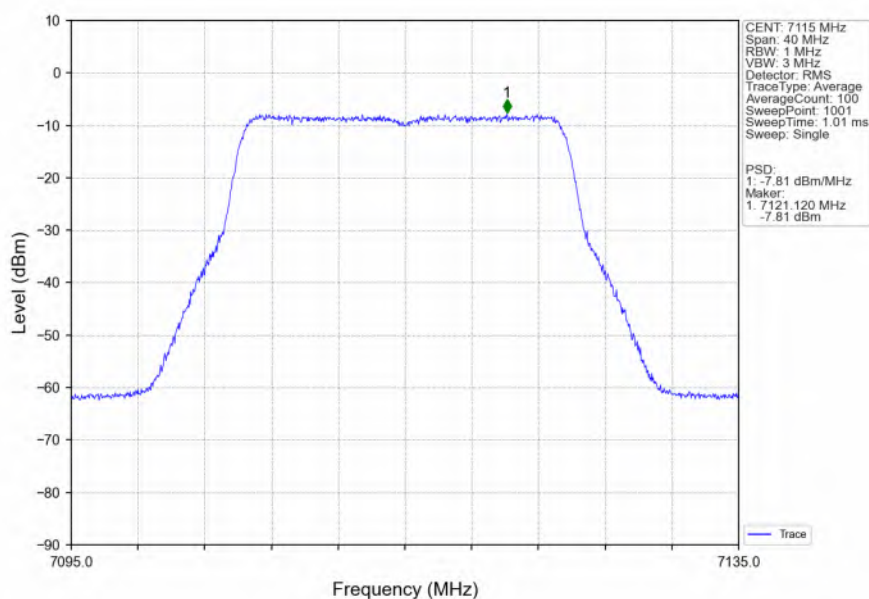
802.11ax(HEW20)_MCH_6995MHz_SU / MIMO_NTNV



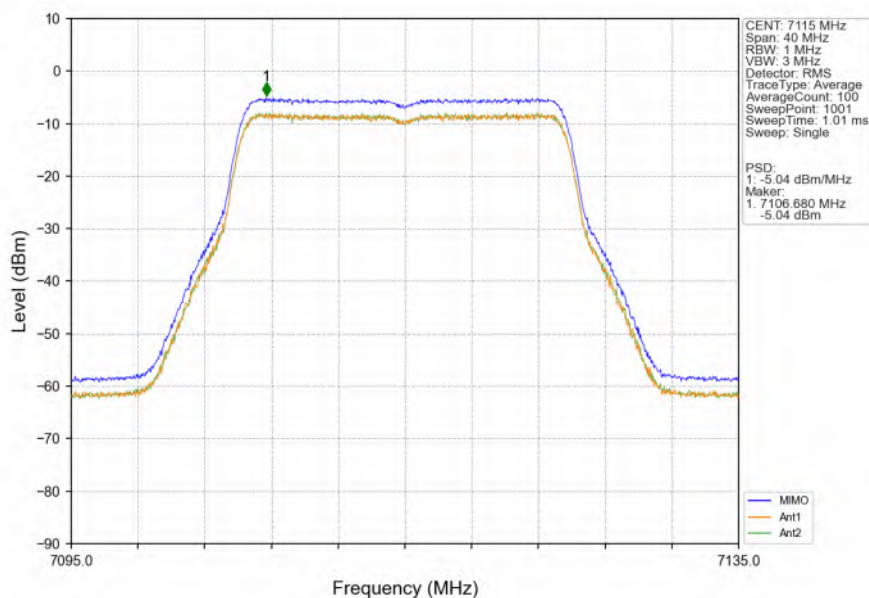
802.11ax(HEW20)_HCH_7115MHz_SU / Ant1_NTNV



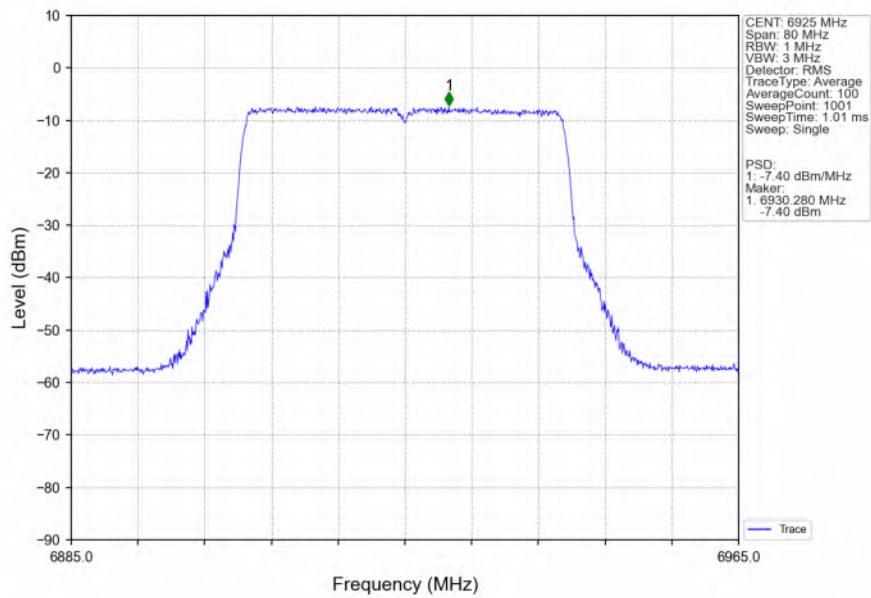
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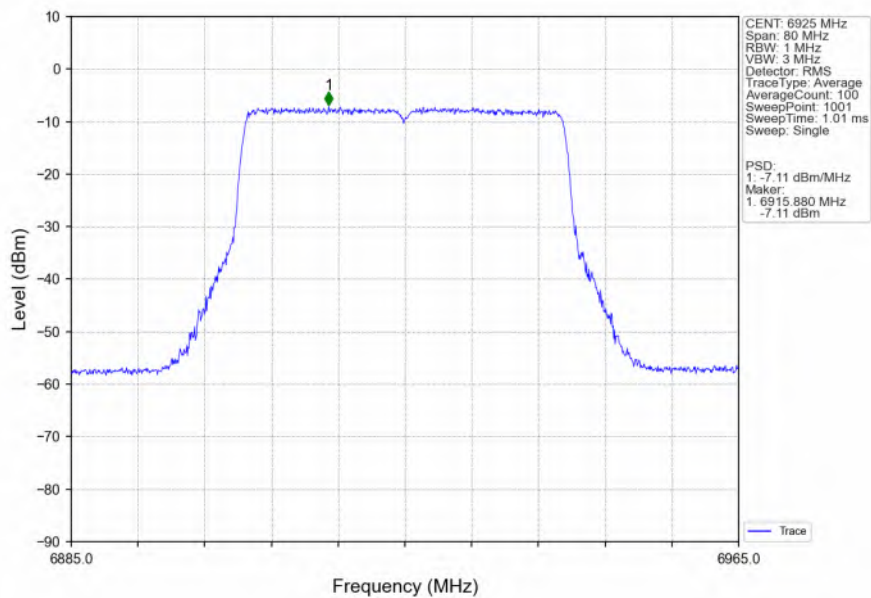
802.11ax(HEW20)_HCH_7115MHz_SU / _MIMO_NTNV



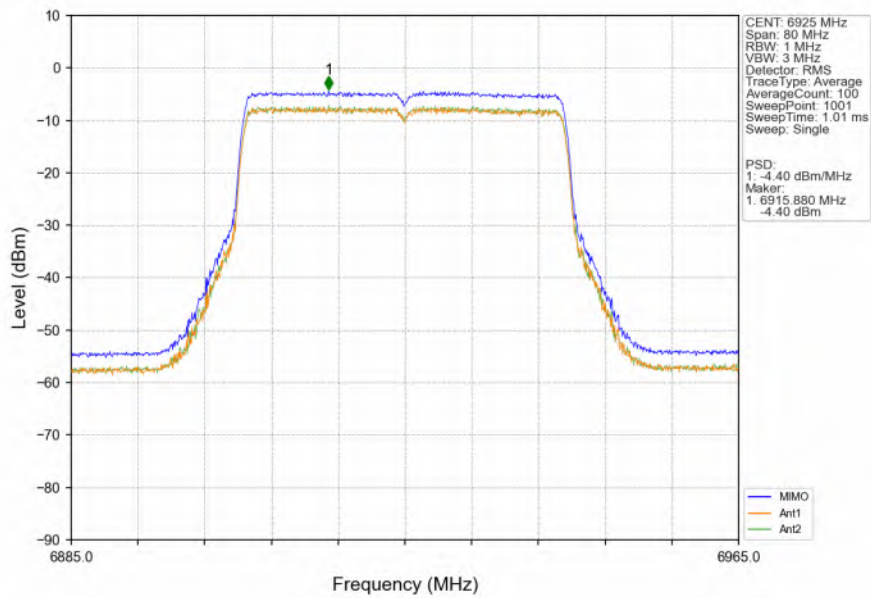
802.11ax(HEW40)_LCH_6925MHz_SU / Ant1_NTNV



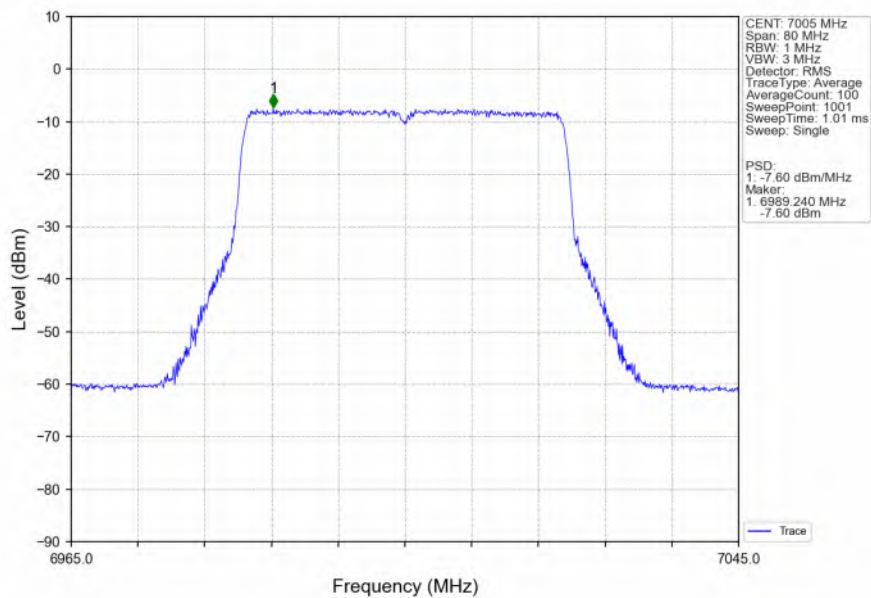
802.11ax(HEW40)_LCH_6925MHz_SU / Ant2_NTNV



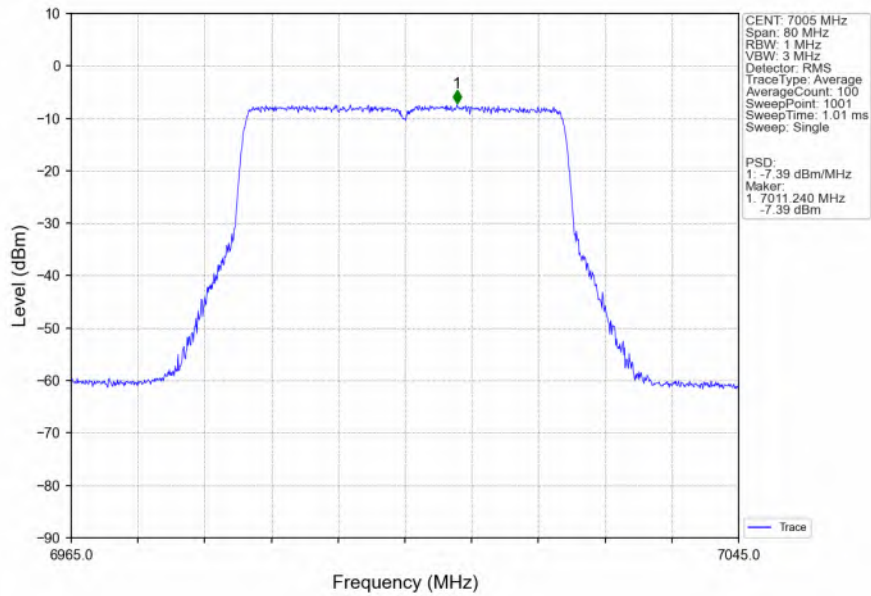
802.11ax(HEW40) LCH_6925MHz_SU / MIMO_NTNV



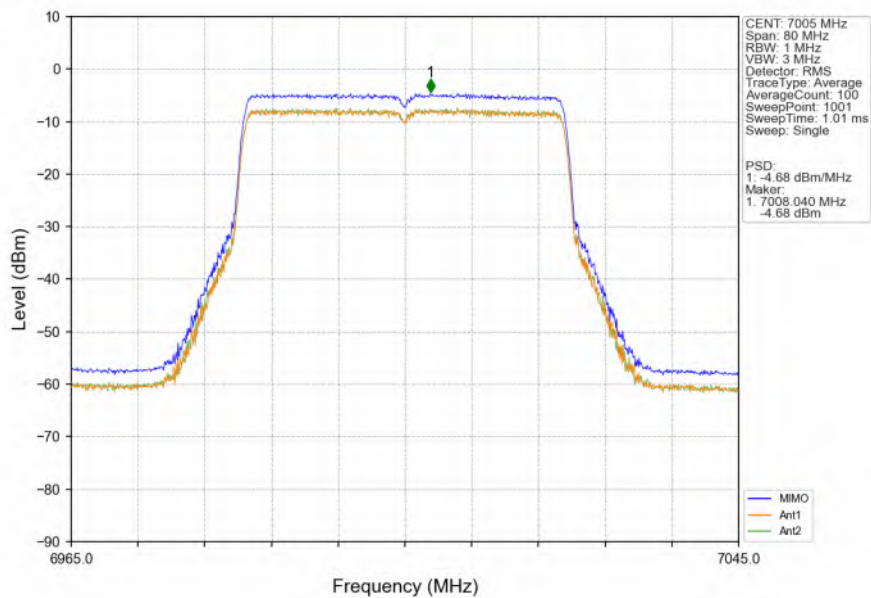
802.11ax(HEW40) MCH_7005MHz_SU / Ant1_NTNV



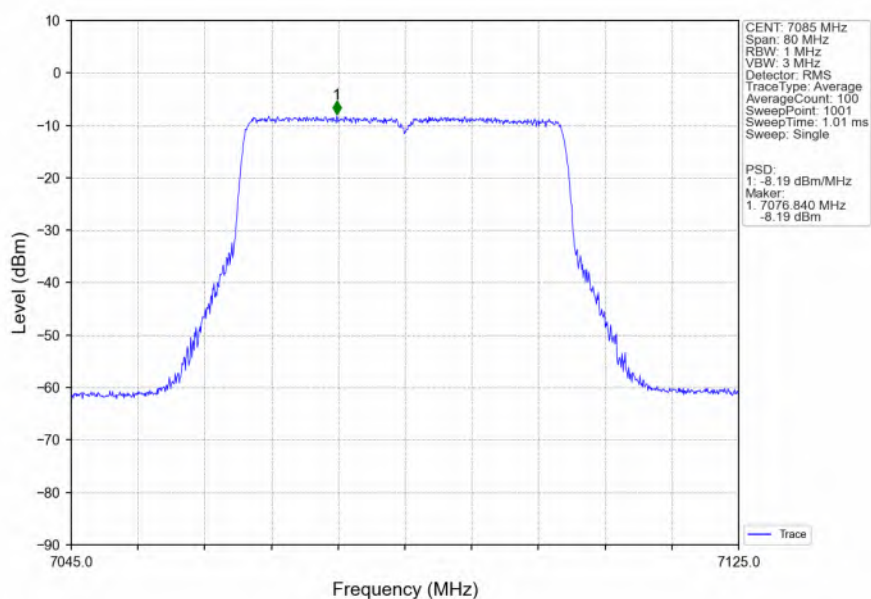
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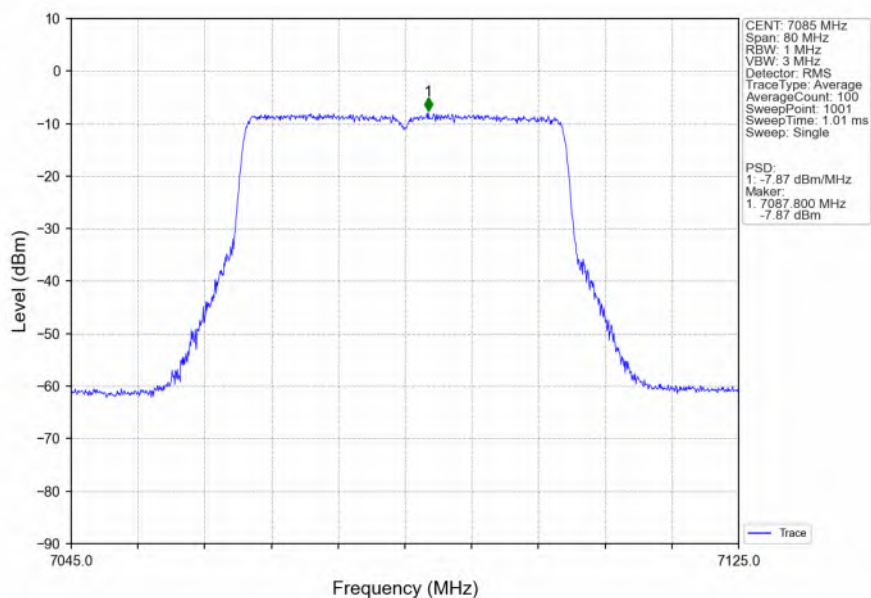
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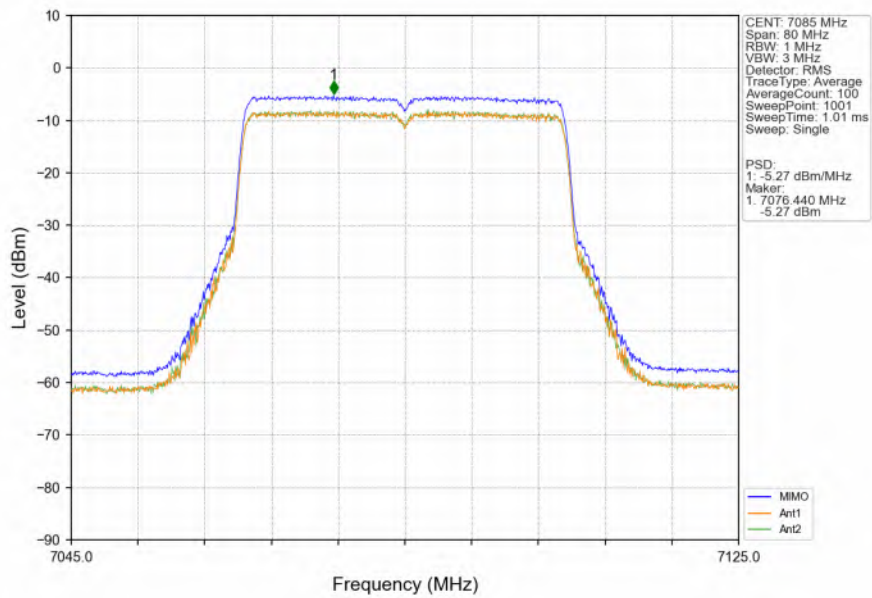
802.11ax(HEW40)_HCH_7085MHz_SU / _Ant1_NTNV



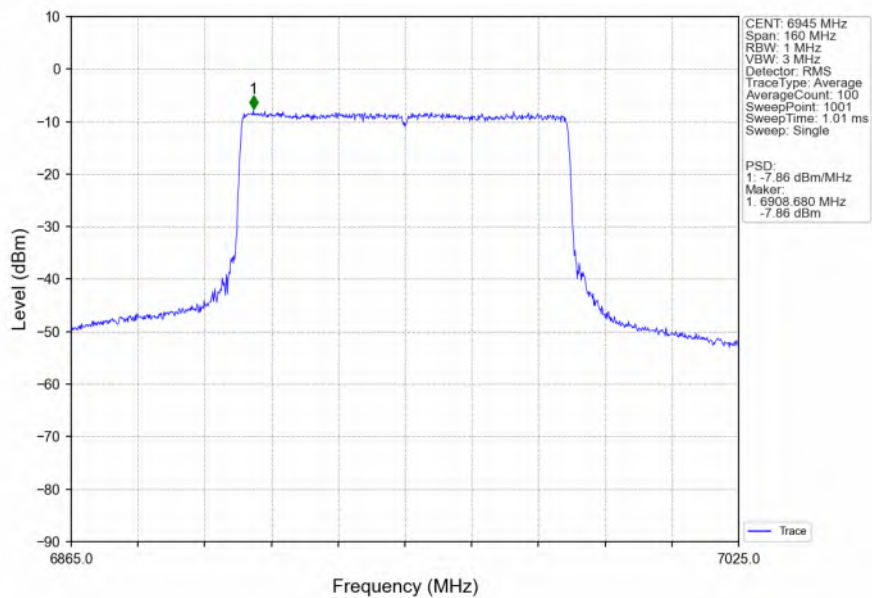
802.11ax(HEW40)_HCH_7085MHz_SU / _Ant2_NTNV



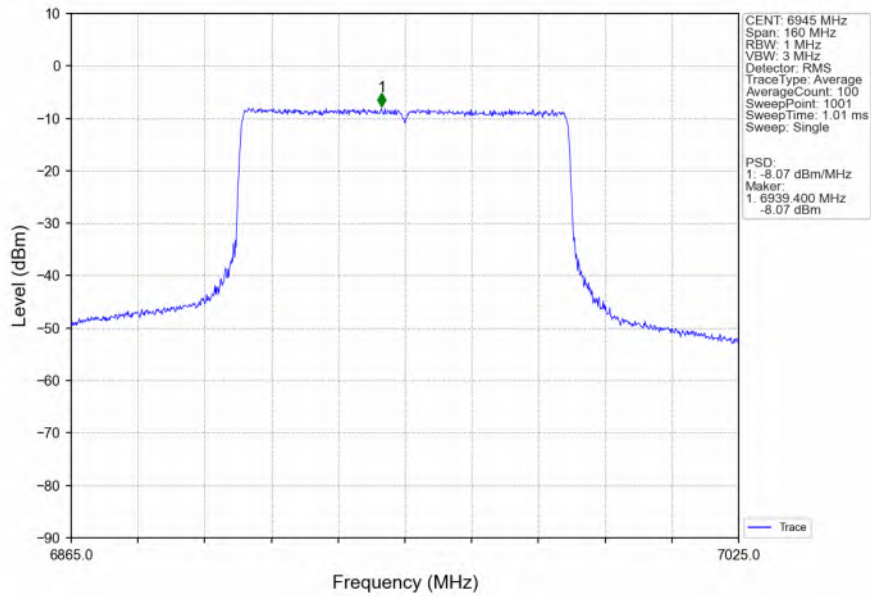
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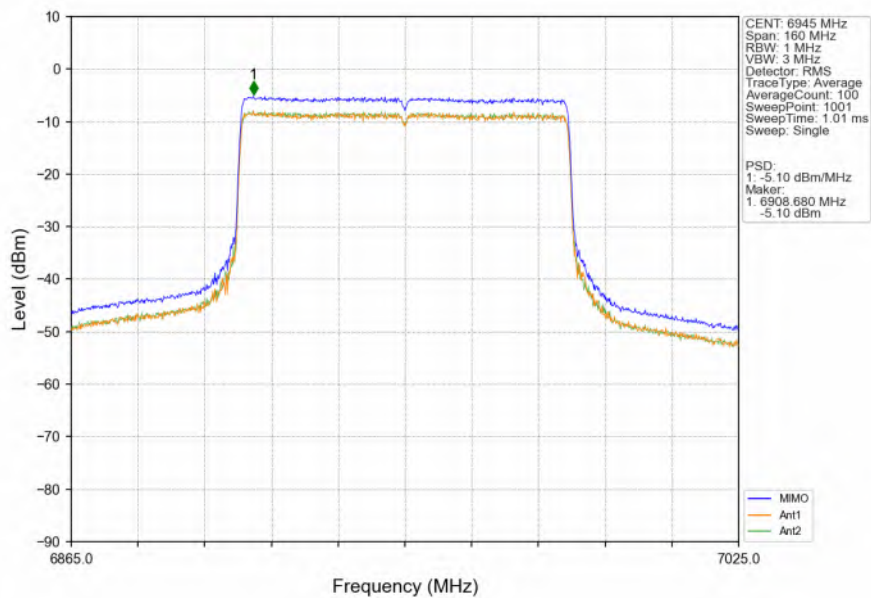
802.11ax(HEW80)_LCH_6945MHz_SU / Ant1_NTNV



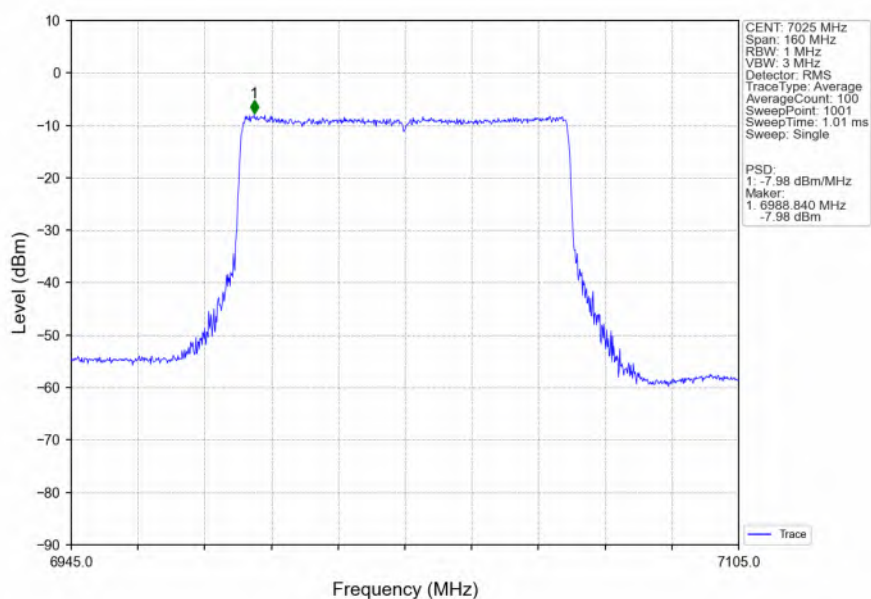
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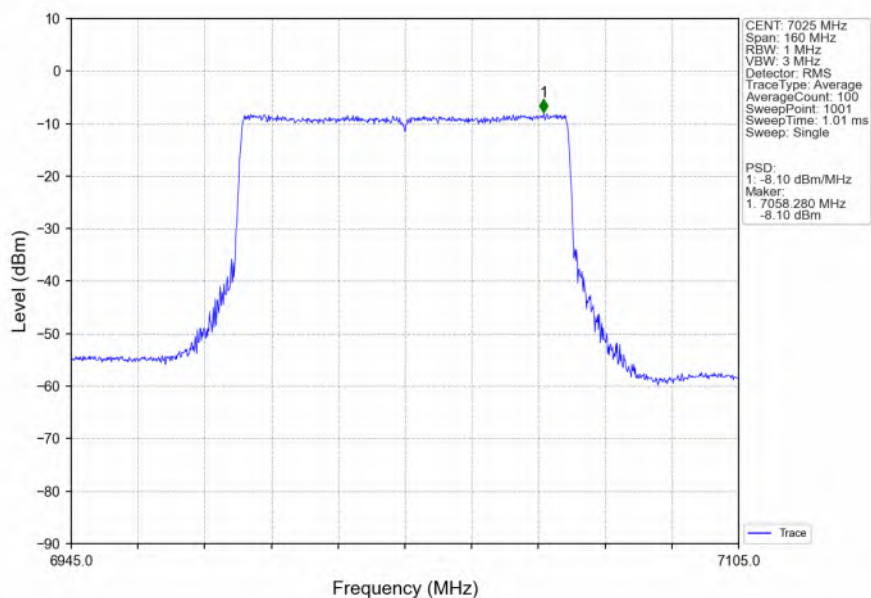
802.11ax(HEW80)_LCH_6945MHz_SU / MIMO_NTNV



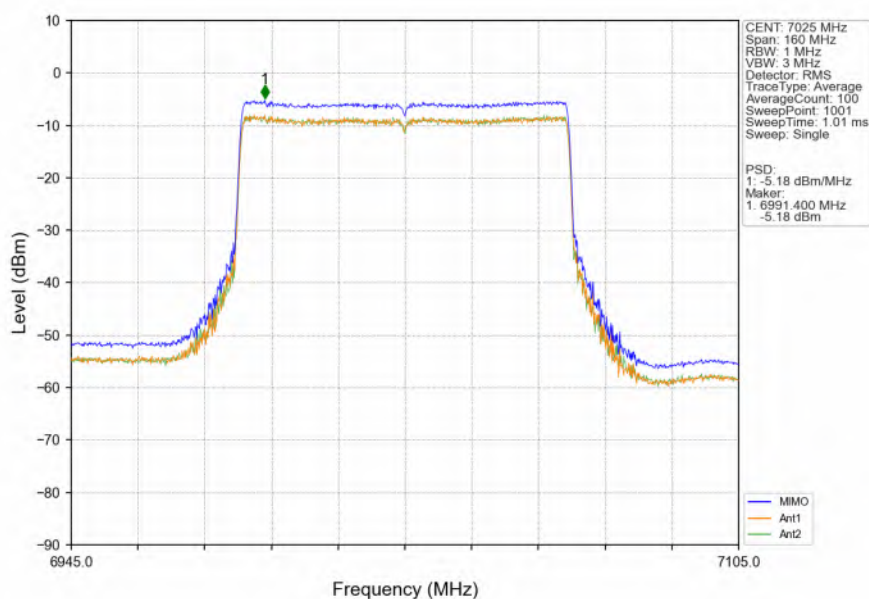
802.11ax(HEW80)_HCH_7025MHz_SU / _Ant1_NTNV



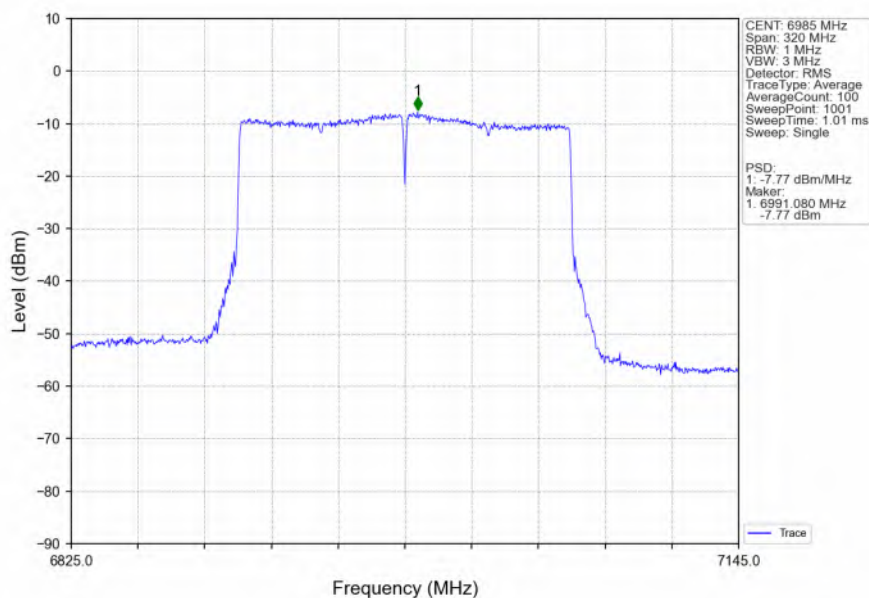
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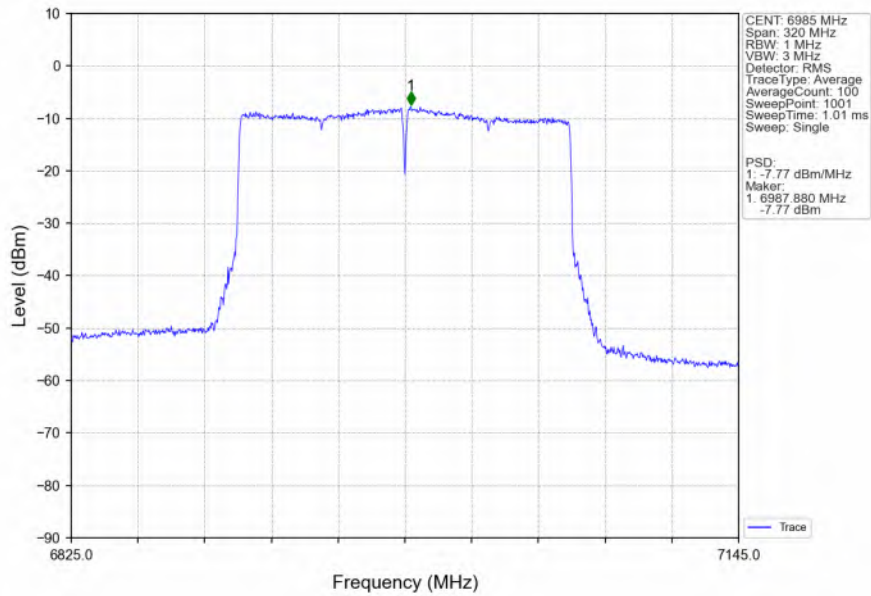
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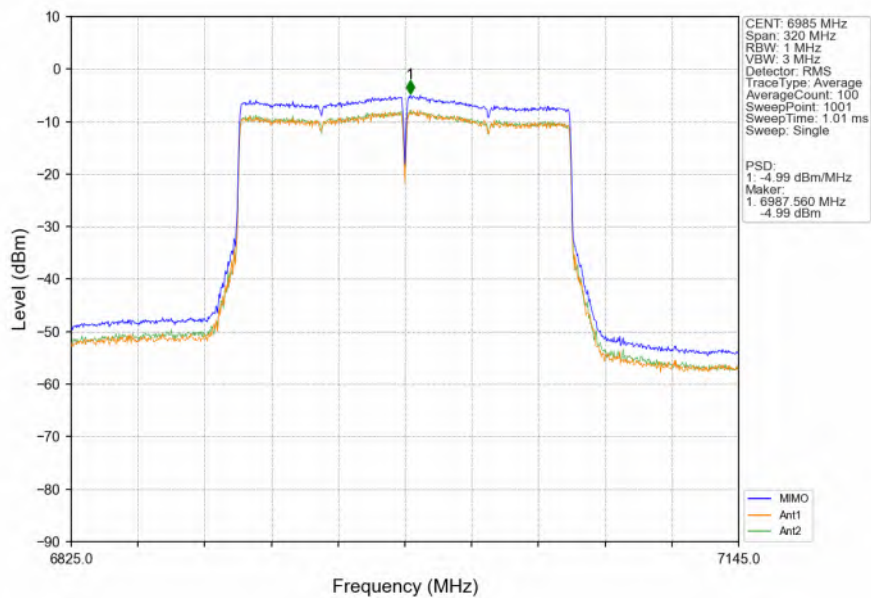
802.11ax(HEW160)_MCH_6985MHz_SU / Ant1_NTNV



802.11ax(HEW160)_MCH_6985MHz_SU / _Ant2_NTNV

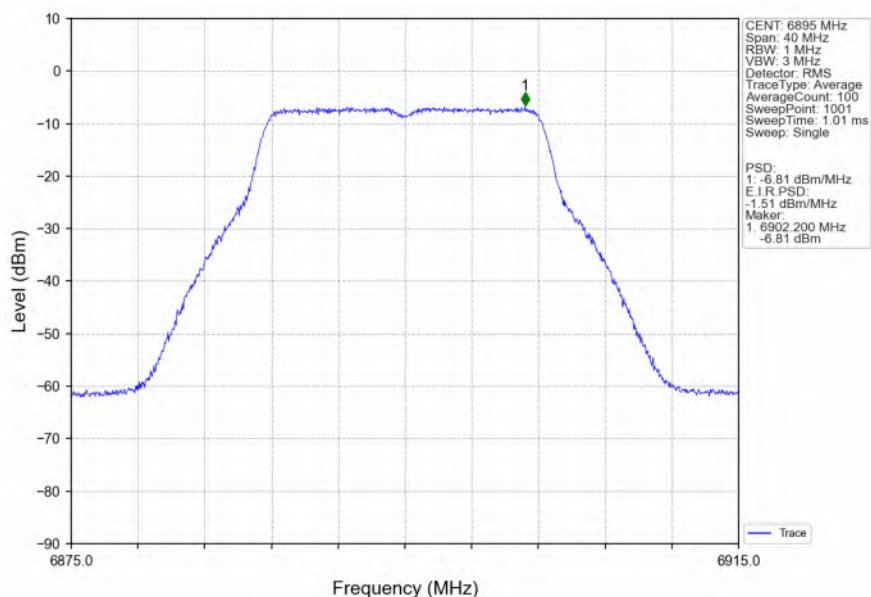


802.11ax(HEW160)_MCH_6985MHz_SU / _MIMO_NTNV

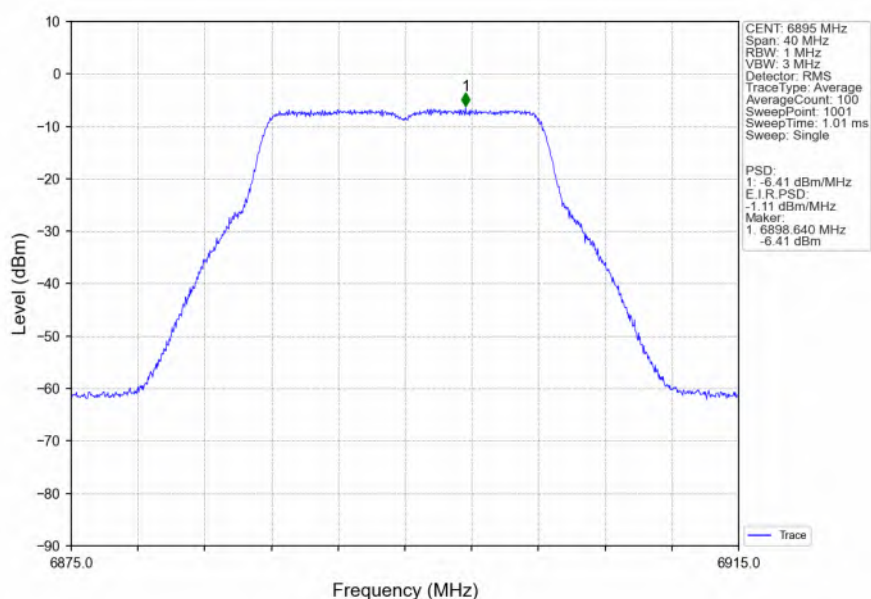


3.2.2 E.I.R.PSD

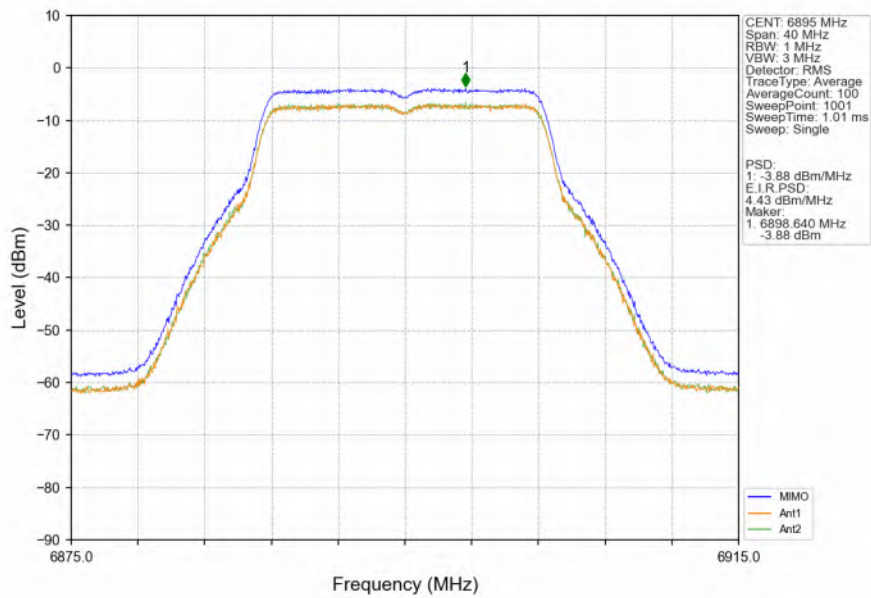
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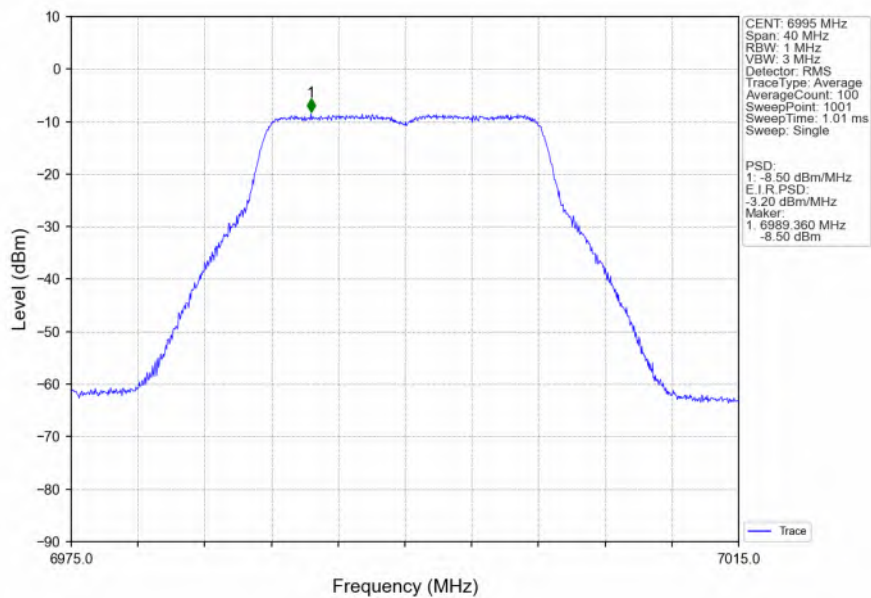
802.11a_LCH_6895MHz_Ant2_NTNV



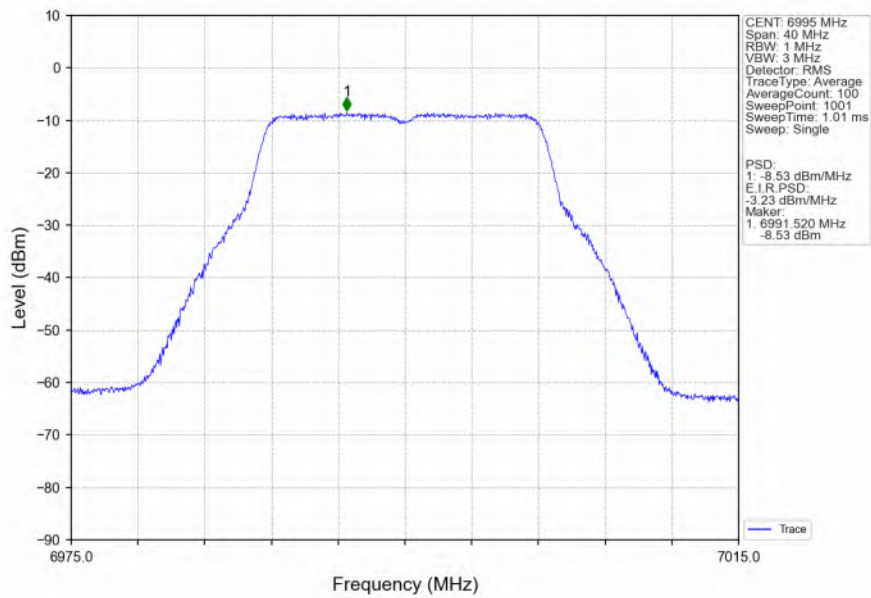
802.11a_LCH_6895MHz_MIMO_NTNV



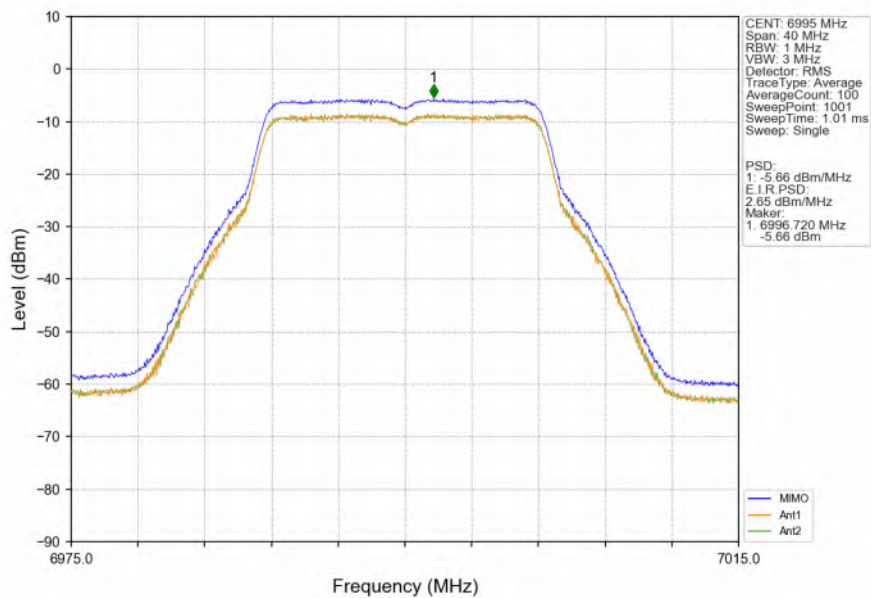
802.11a_MCH_6995MHz_Ant1_NTNV



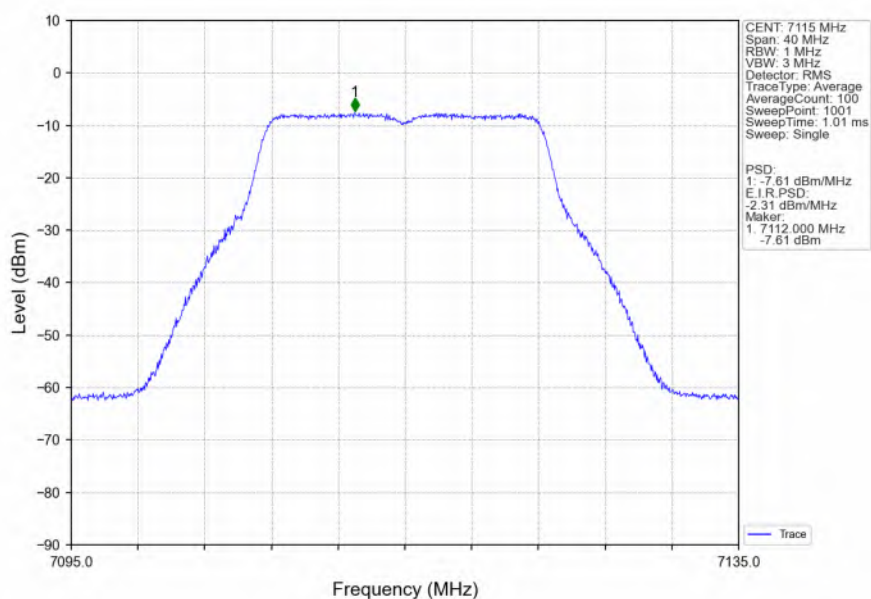
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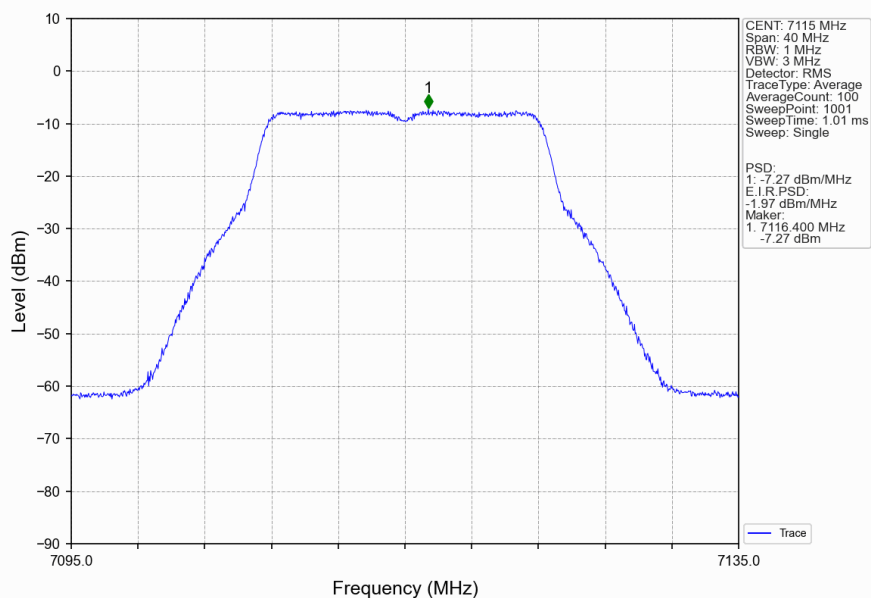
802.11a_MCH_6995MHz_MIMO_NTNV



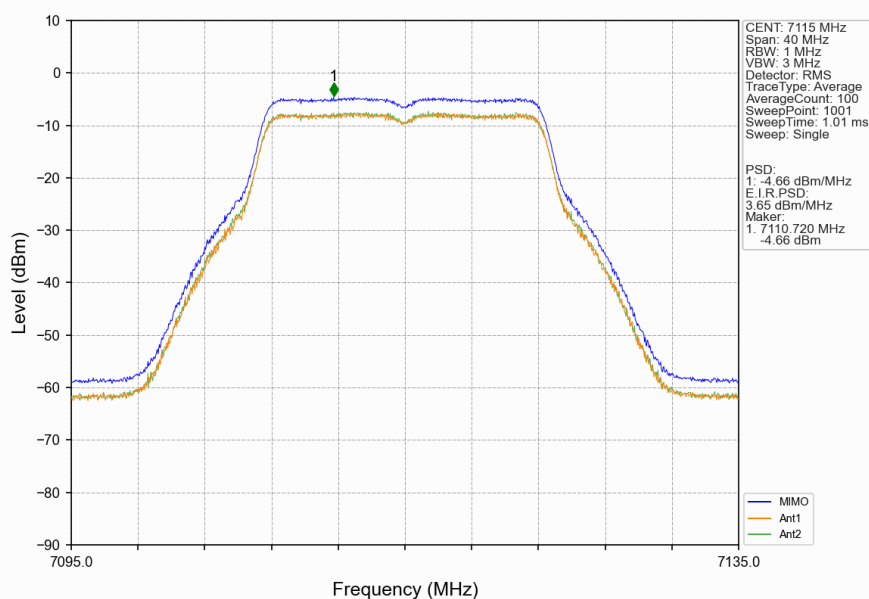
802.11a_HCH_7115MHz_Ant1_NTNV



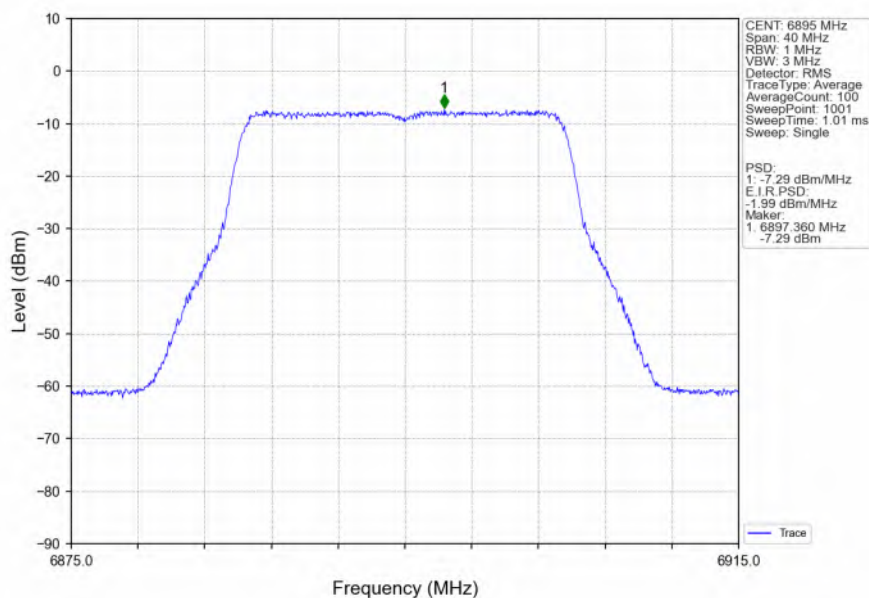
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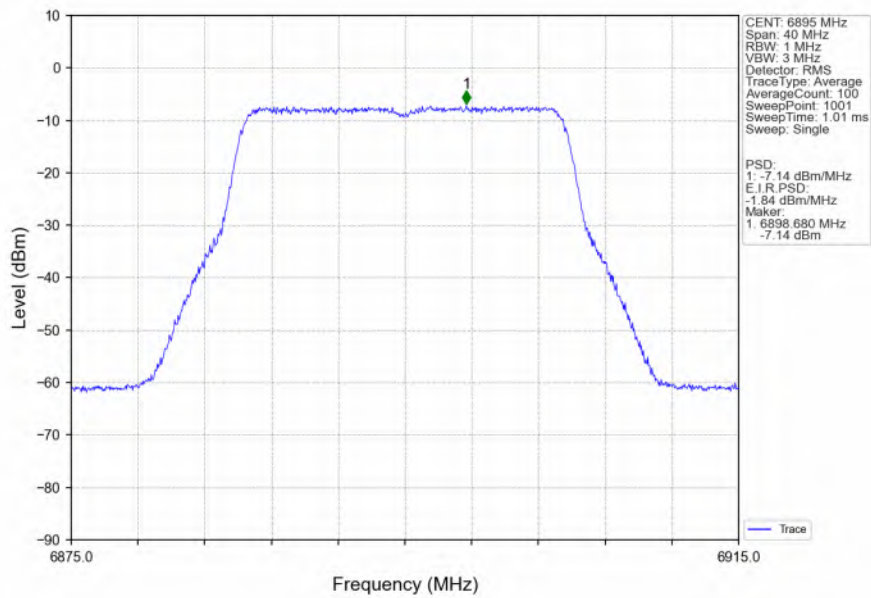
802.11a_HCH_7115MHz_MIMO_NTNV



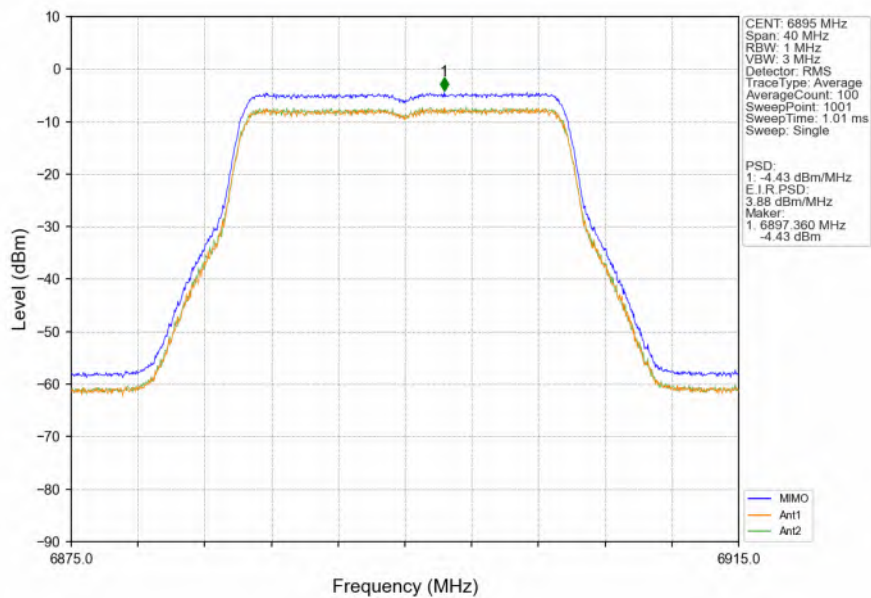
802.11ax(HEW20)_LCH_6895MHz_SU / Ant1_NTNV



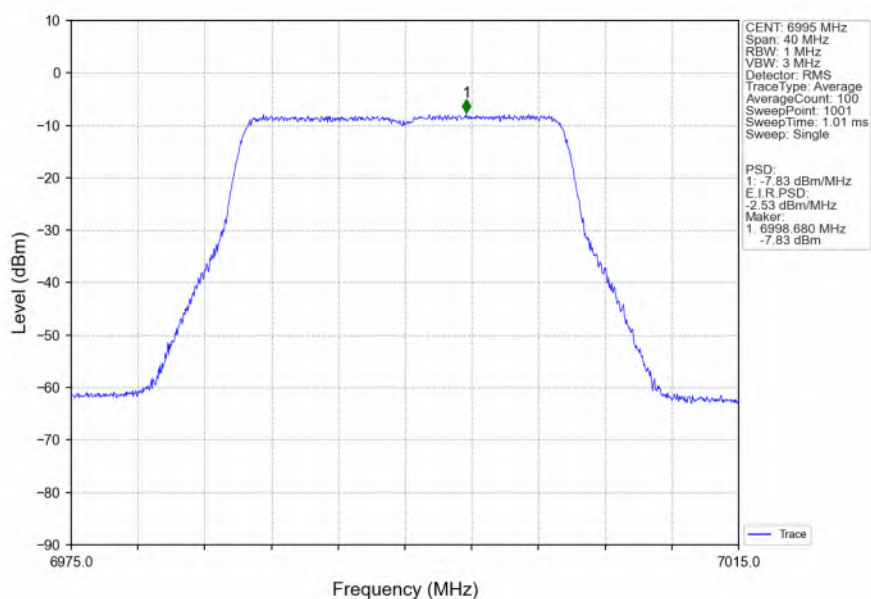
802.11ax(HEW20)_LCH_6895MHz_SU / _Ant2_NTNV



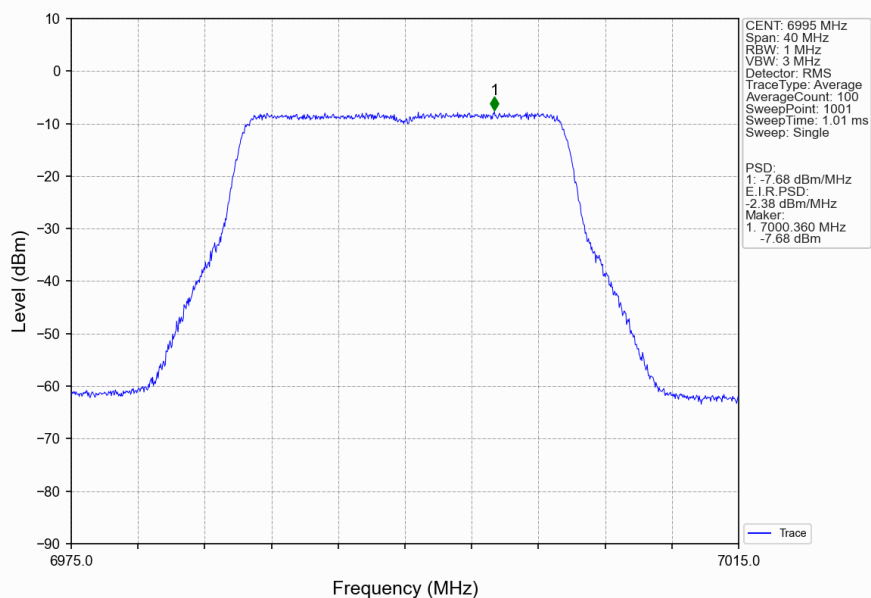
802.11ax(HEW20)_LCH_6895MHz_SU / MIMO_NTNV



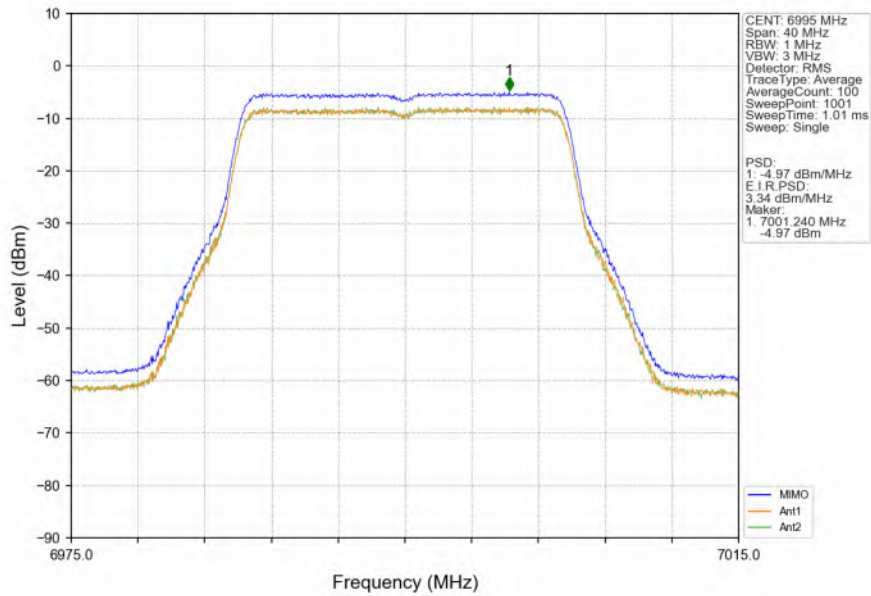
802.11ax(HEW20)_MCH_6995MHz_SU / _Ant1_NTNV



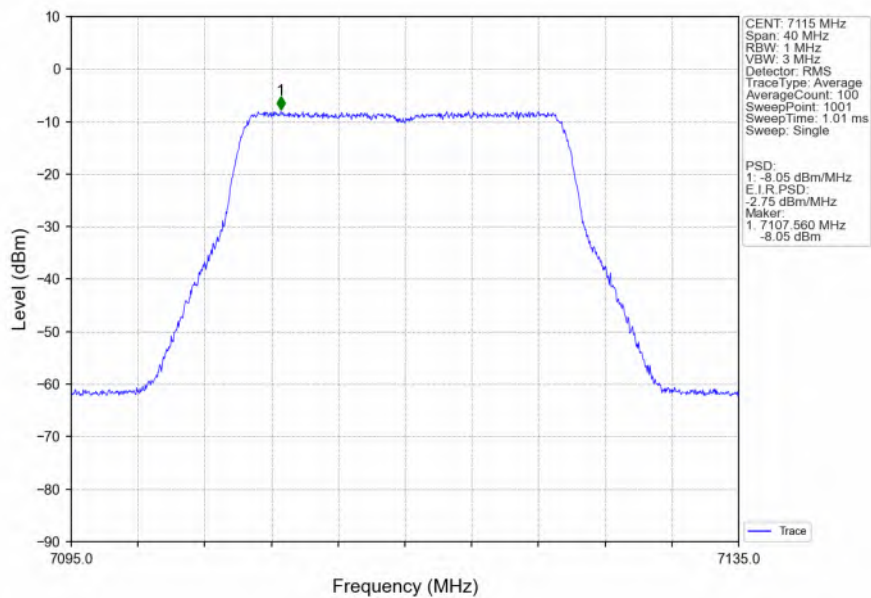
802.11ax(HEW20)_MCH_6995MHz_SU / _Ant2_NTNV



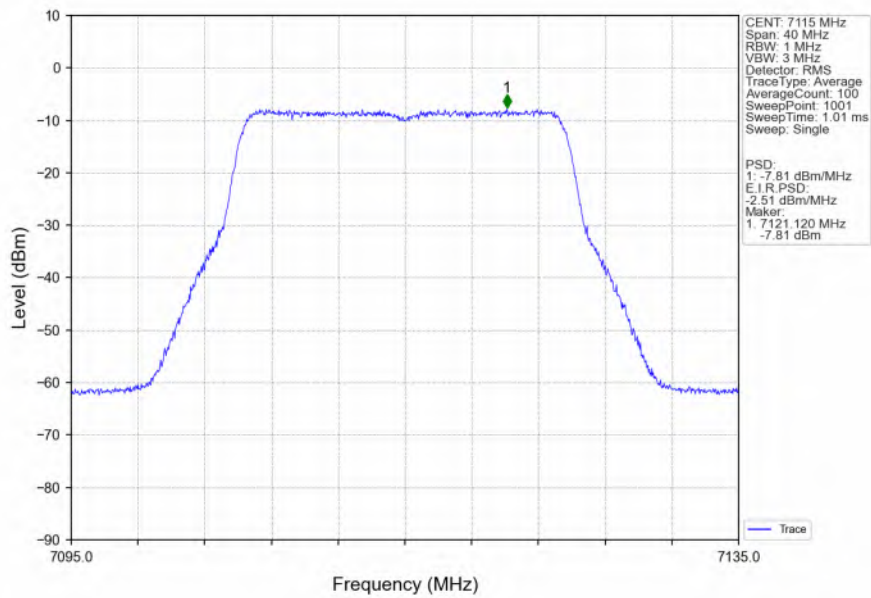
802.11ax(HEW20)_MCH_6995MHz_SU / MIMO_NTNV



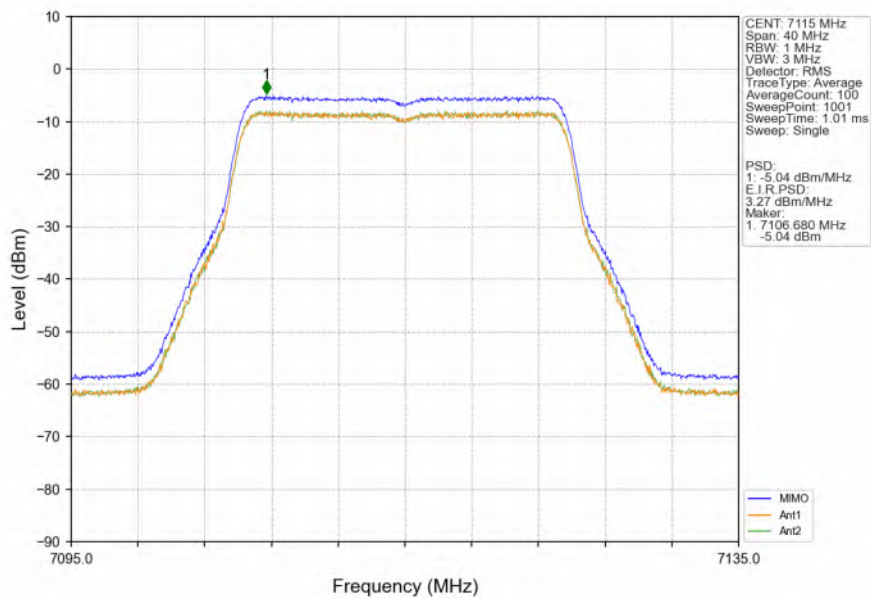
802.11ax(HEW20)_HCH_7115MHz_SU / Ant1_NTNV



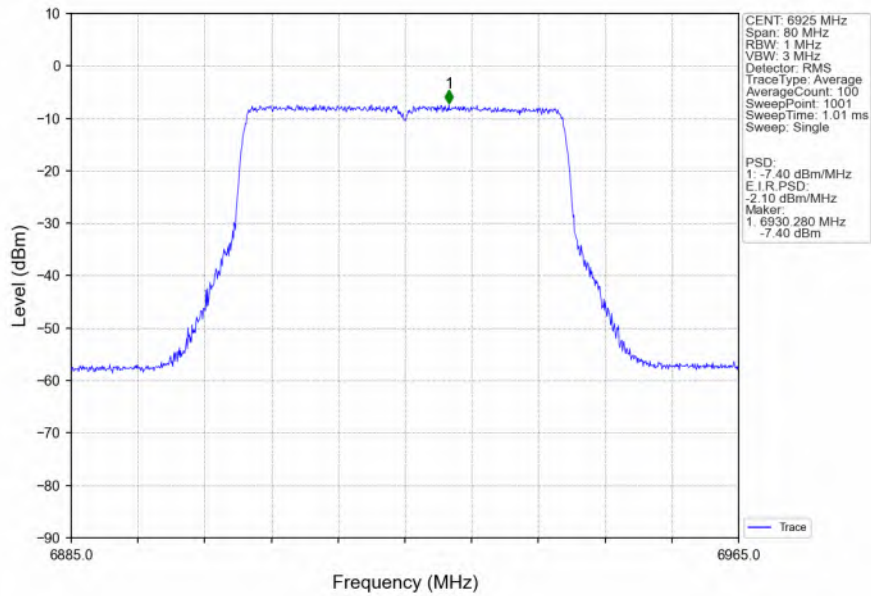
802.11ax(HEW20)_HCH_7115MHz_SU / _Ant2_NTNV



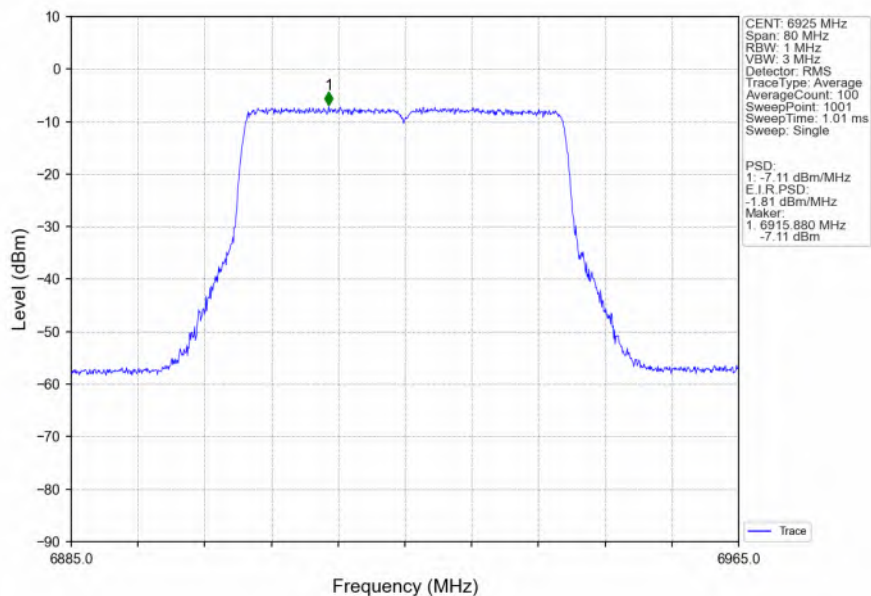
802.11ax(HEW20)_HCH_7115MHz_SU / _MIMO_NTNV



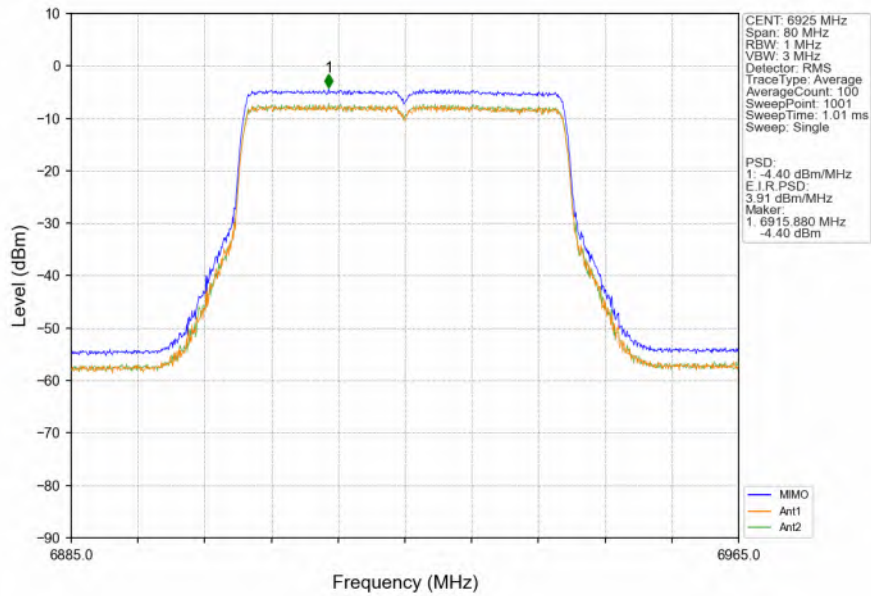
802.11ax(HEW40)_LCH_6925MHz_SU / Ant1_NTNV



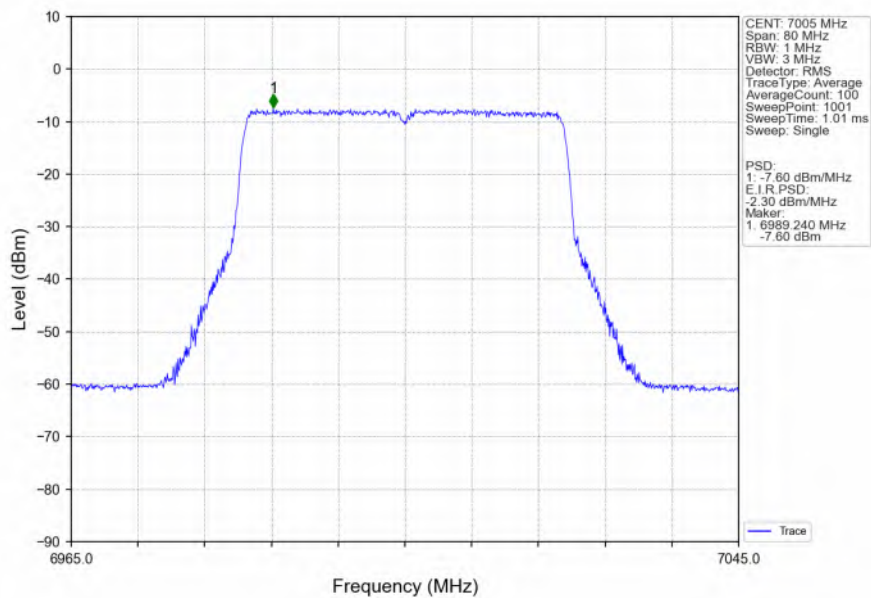
802.11ax(HEW40)_LCH_6925MHz_SU / Ant2_NTNV



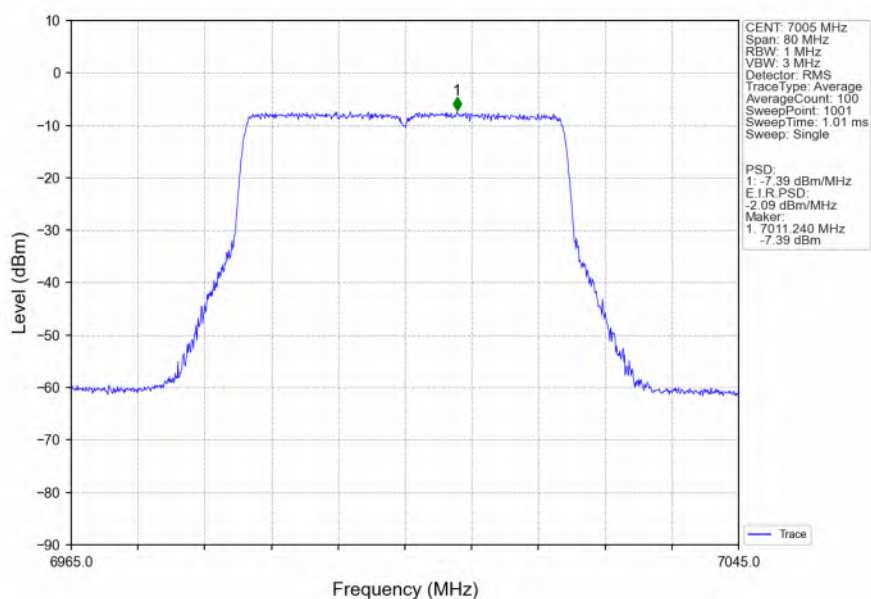
802.11ax(HEW40) LCH_6925MHz_SU / MIMO_NTNV



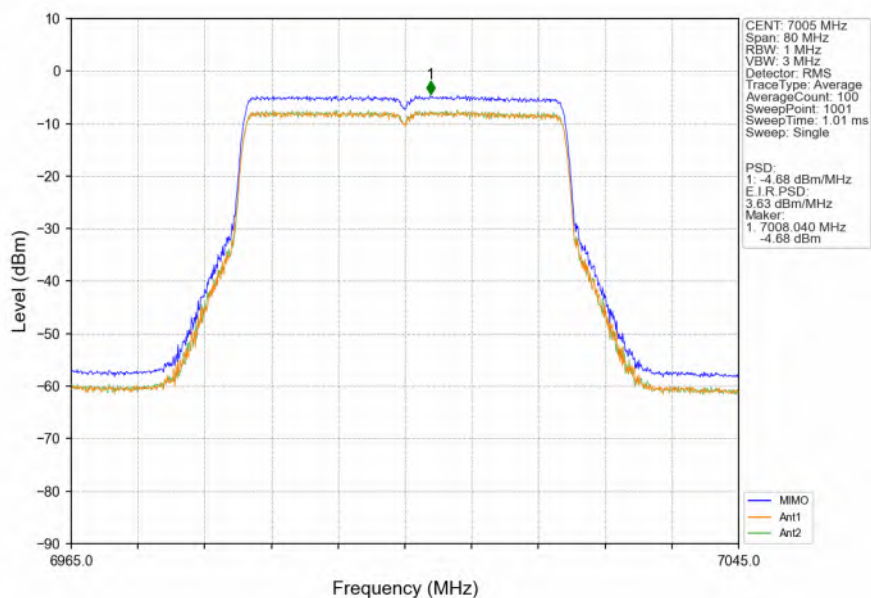
802.11ax(HEW40) MCH_7005MHz_SU / Ant1_NTNV



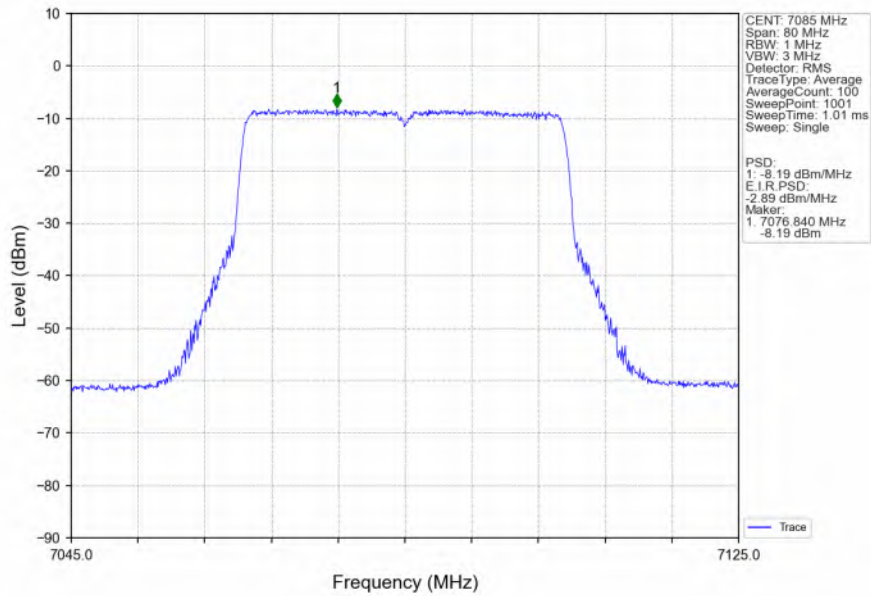
802.11ax(HEW40)_MCH_7005MHz_SU / _Ant2_NTNV



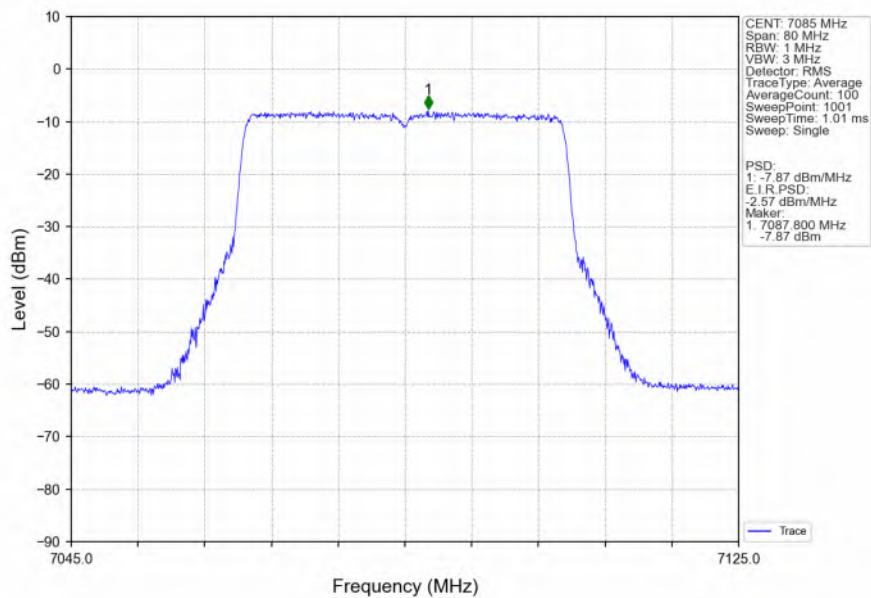
802.11ax(HEW40)_MCH_7005MHz_SU / _MIMO_NTNV



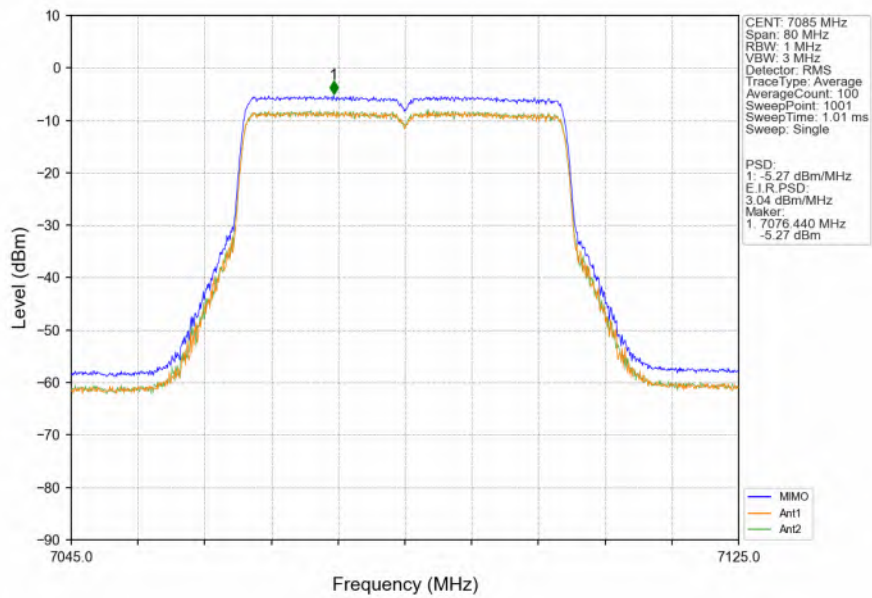
802.11ax(HEW40)_HCH_7085MHz_SU / _Ant1_NTNV



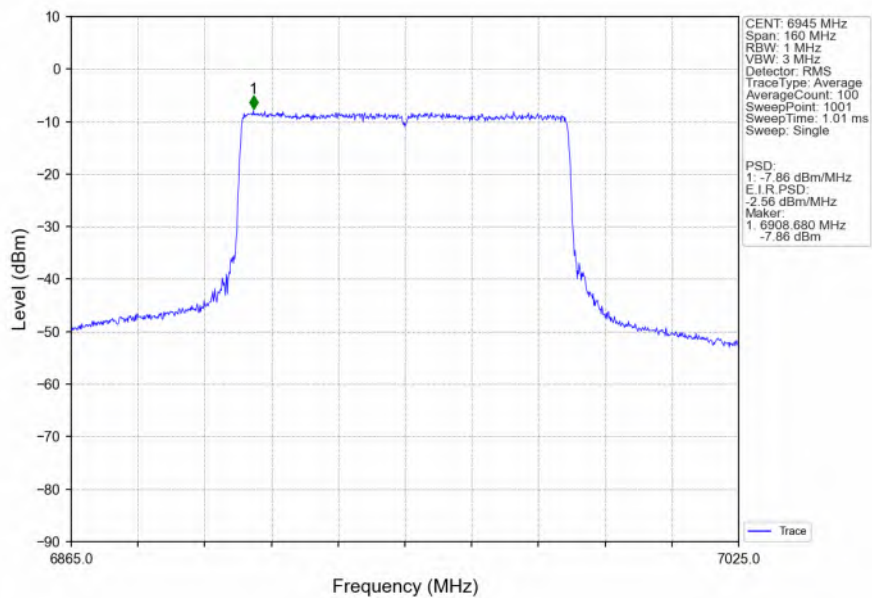
802.11ax(HEW40)_HCH_7085MHz_SU / _Ant2_NTNV



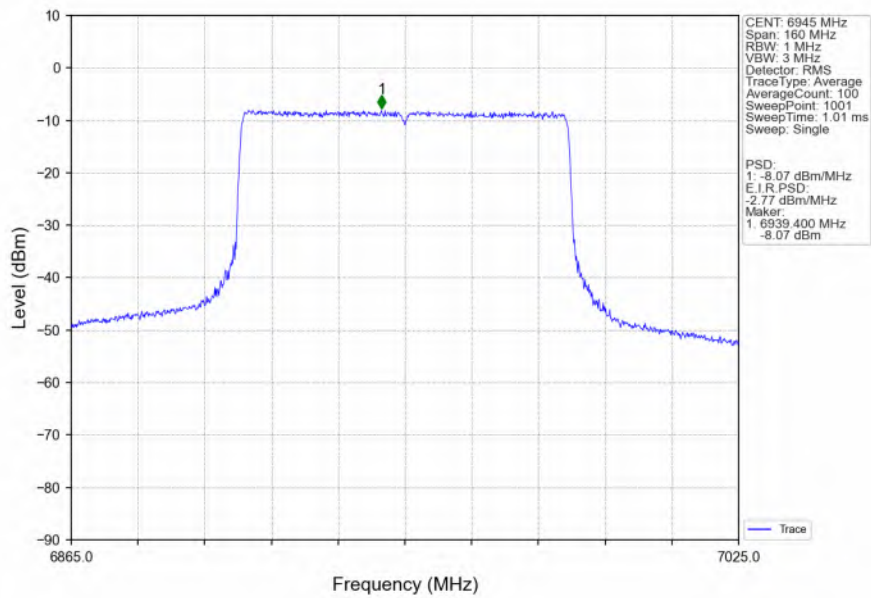
802.11ax(HEW40)_HCH_7085MHz_SU / MIMO_NTNV



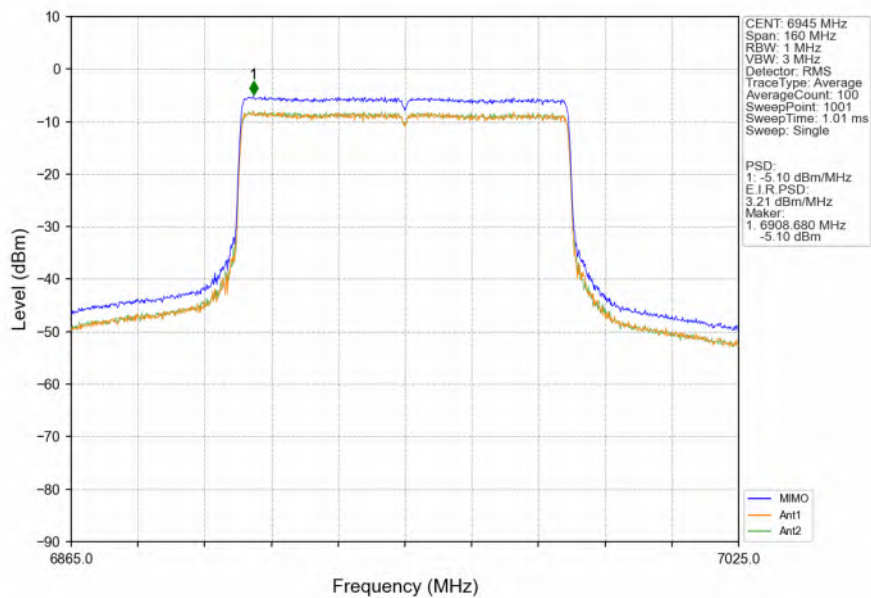
802.11ax(HEW80)_LCH_6945MHz_SU / Ant1_NTNV



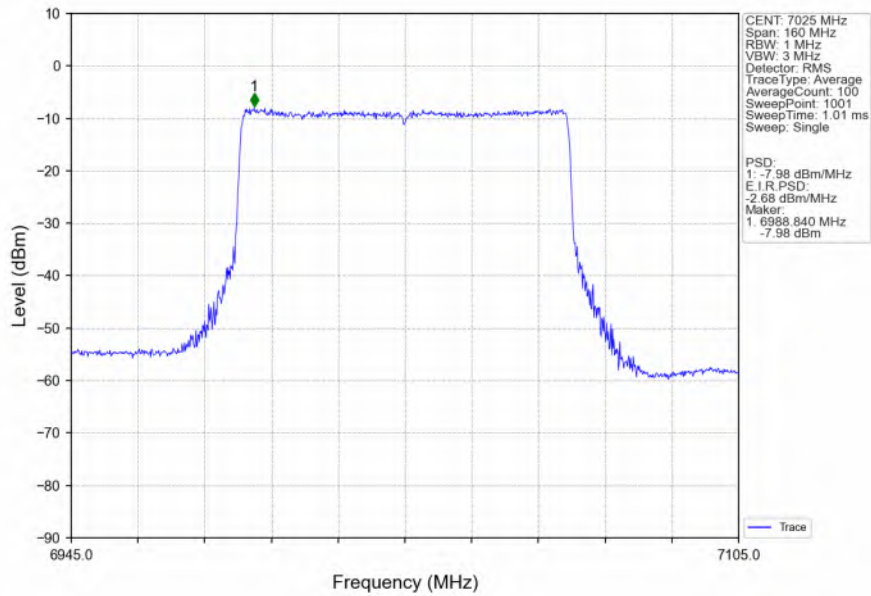
802.11ax(HEW80)_LCH_6945MHz_SU / Ant2_NTNV



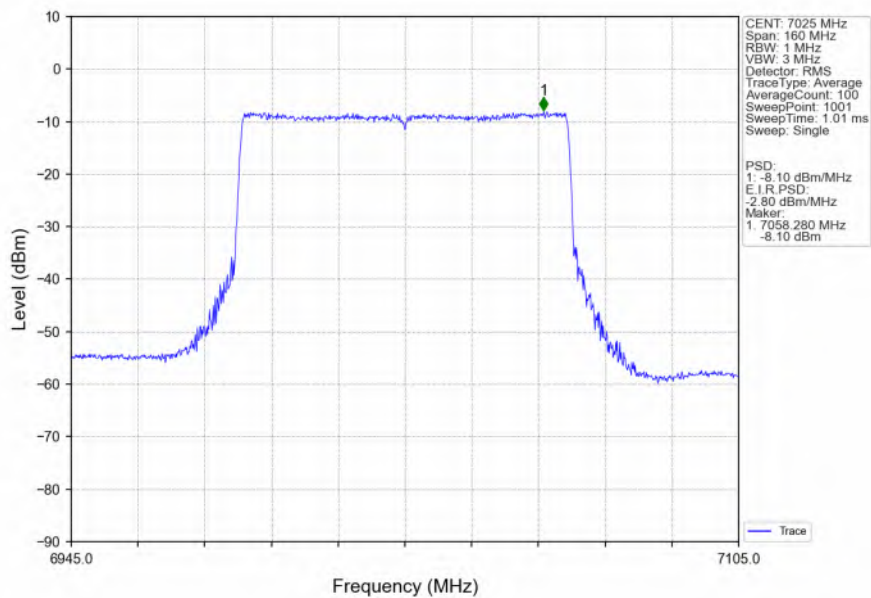
802.11ax(HEW80)_LCH_6945MHz_SU / MIMO_NTNV



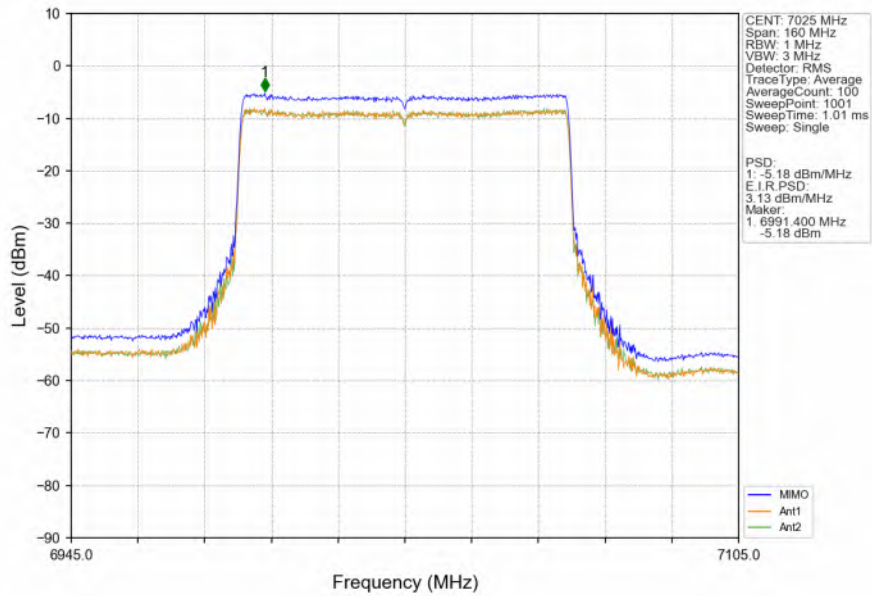
802.11ax(HEW80)_HCH_7025MHz_SU / _Ant1_NTNV



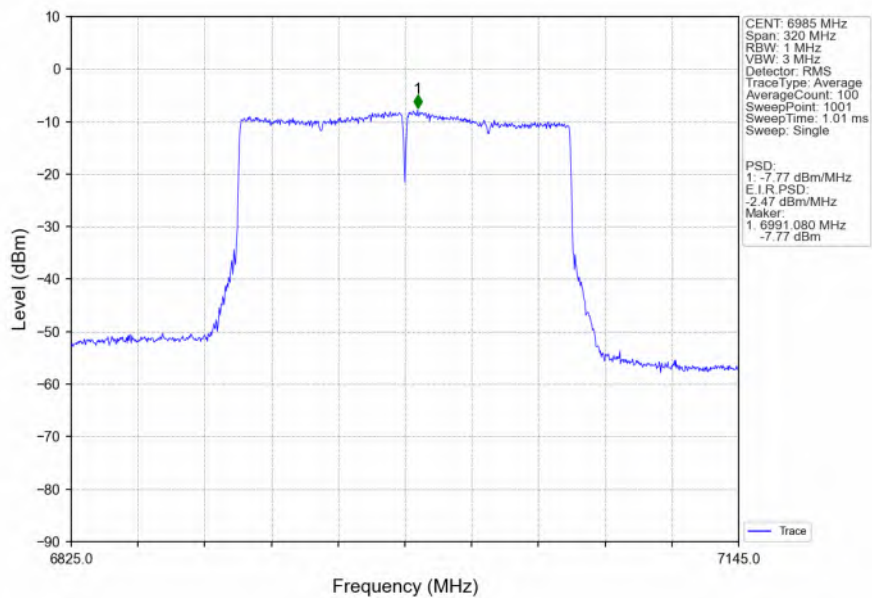
802.11ax(HEW80)_HCH_7025MHz_SU / _Ant2_NTNV



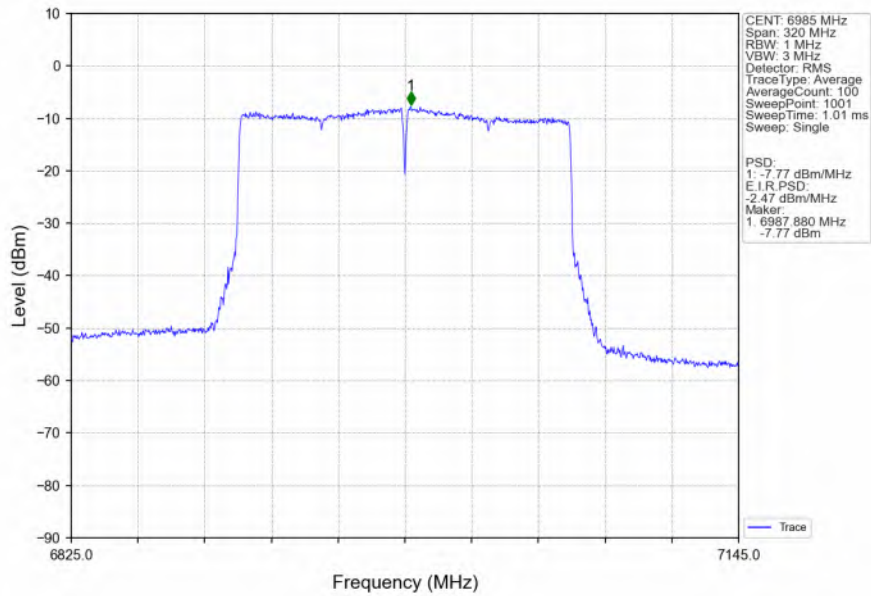
802.11ax(HEW80)_HCH_7025MHz_SU / MIMO_NTNV



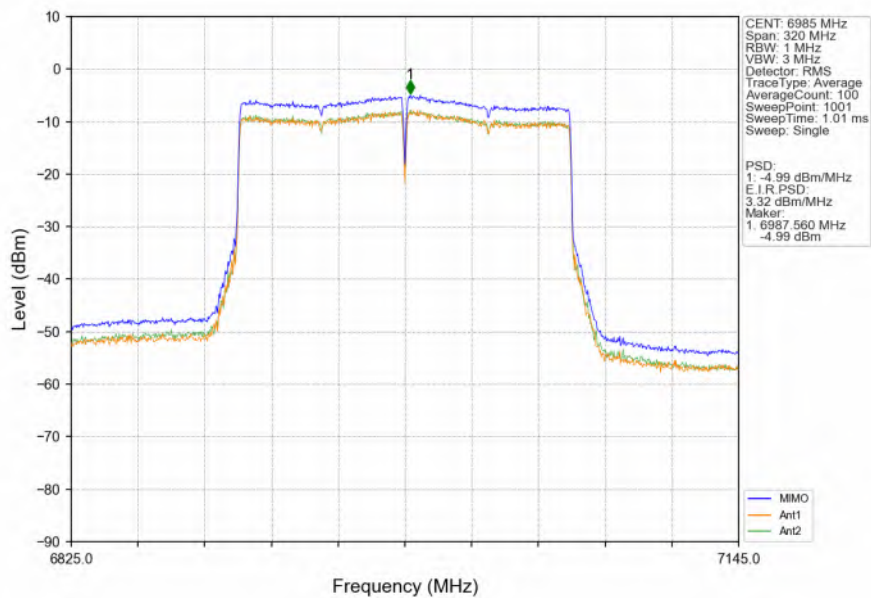
802.11ax(HEW160)_MCH_6985MHz_SU / Ant1_NTNV



802.11ax(HEW160)_MCH_6985MHz_SU / _Ant2_NTNV

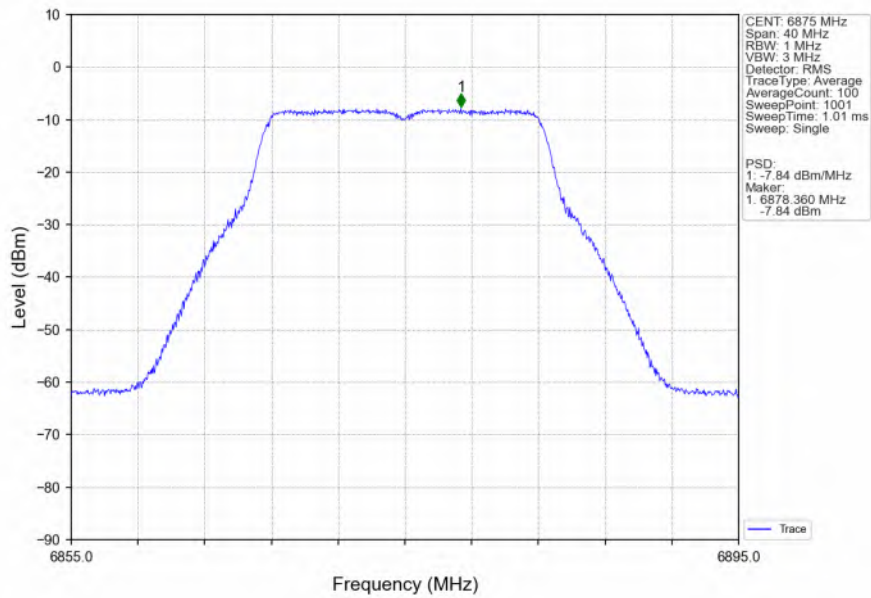


802.11ax(HEW160)_MCH_6985MHz_SU / _MIMO_NTNV

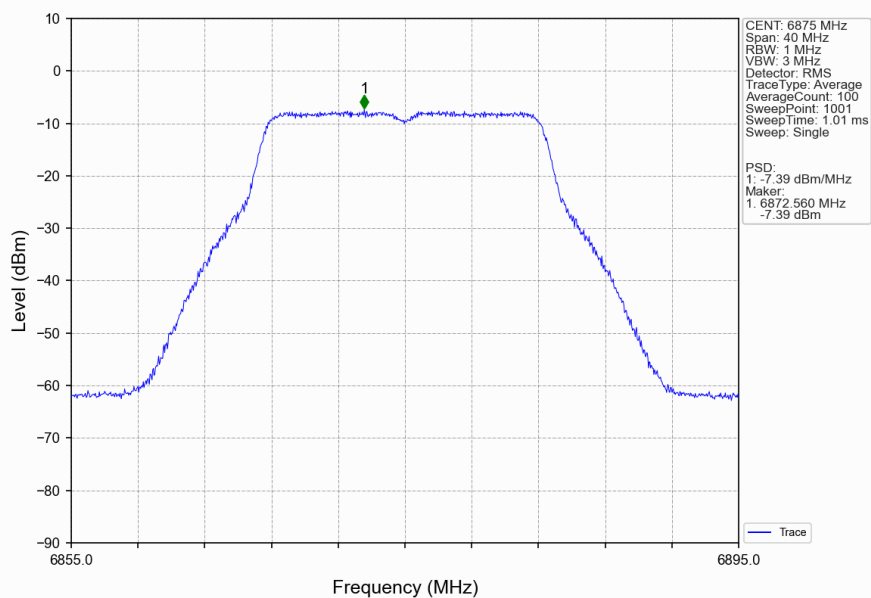


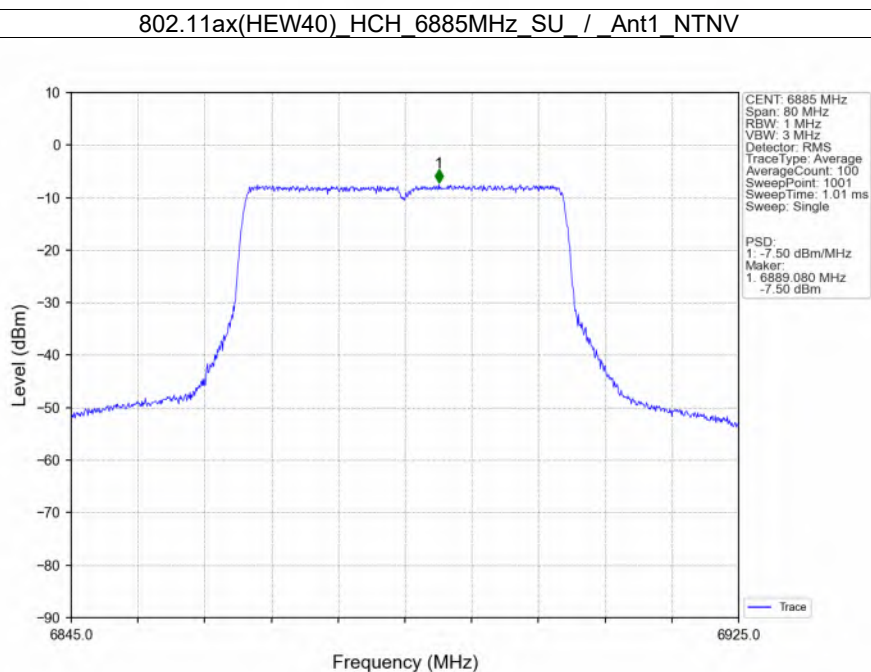
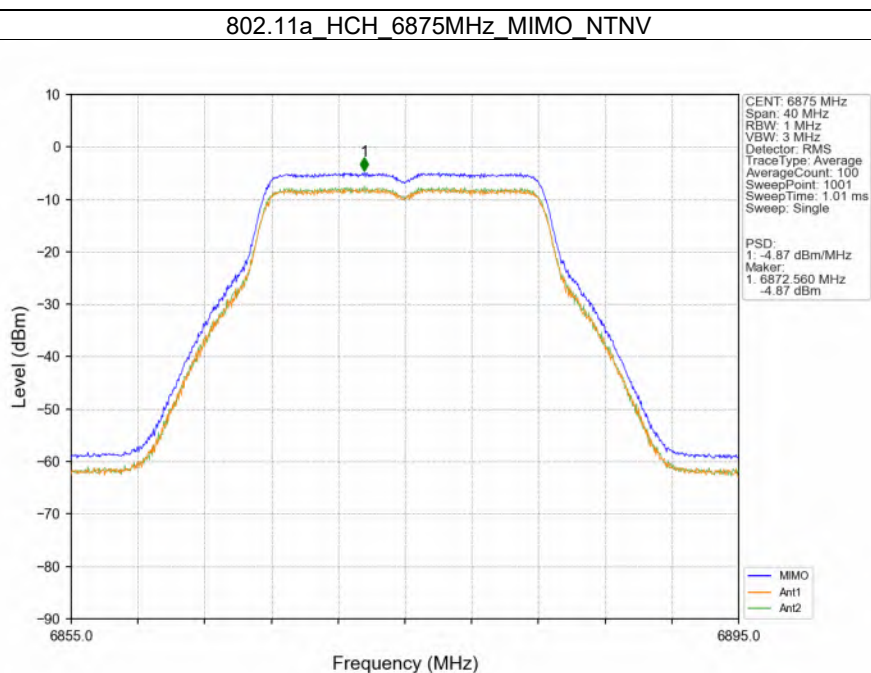
3.2.3 PSD

802.11a_HCH_6875MHz_Ant1_NTNV

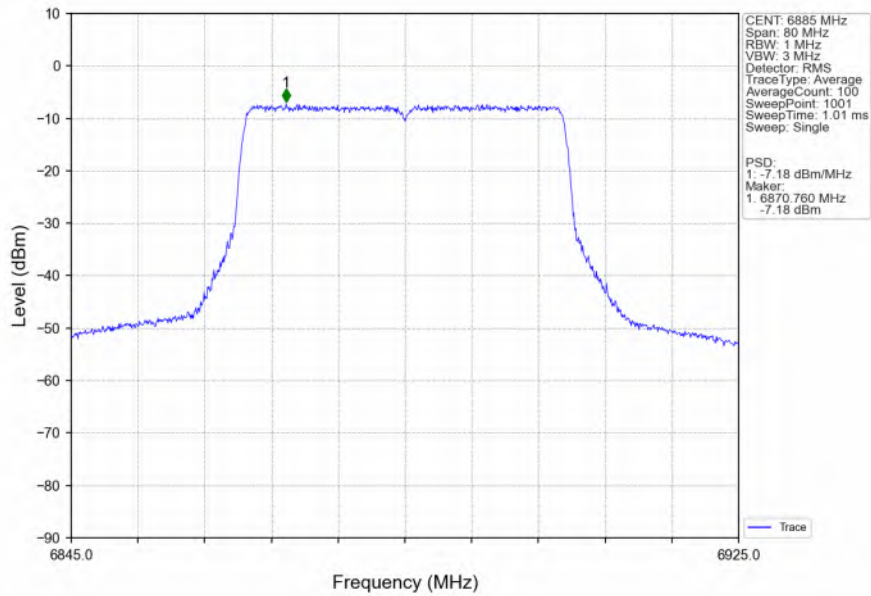


802.11a_HCH_6875MHz_Ant2_NTNV

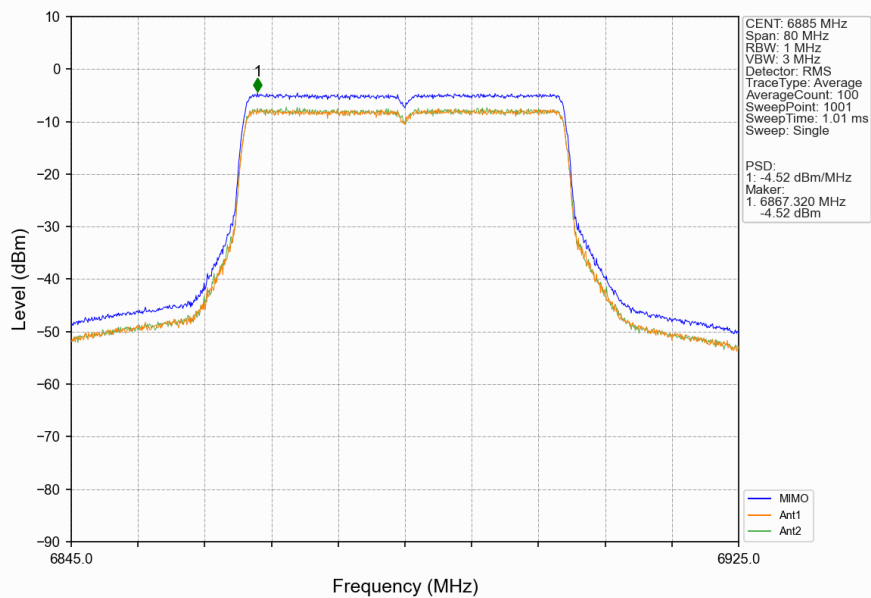




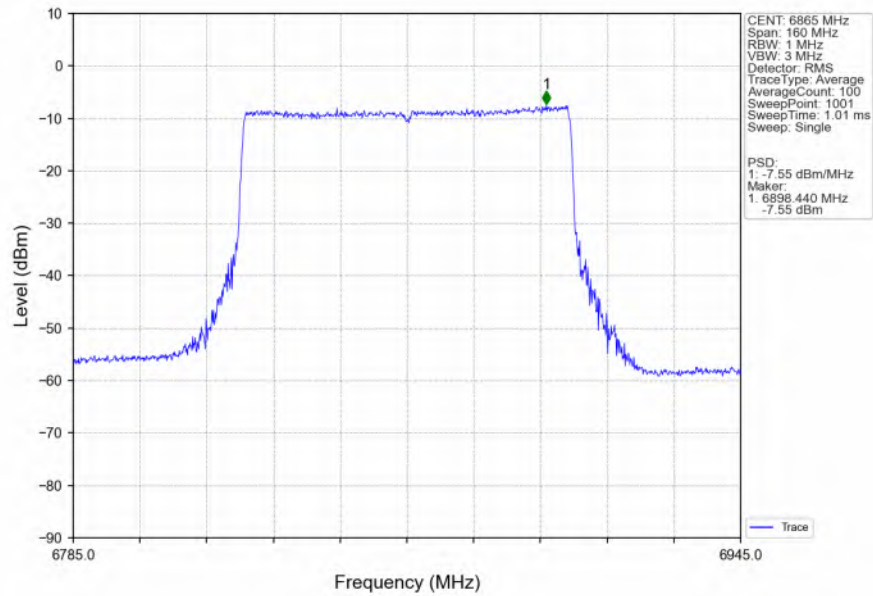
802.11ax(HEW40)_HCH_6885MHz_SU_ / _Ant2_NTNV



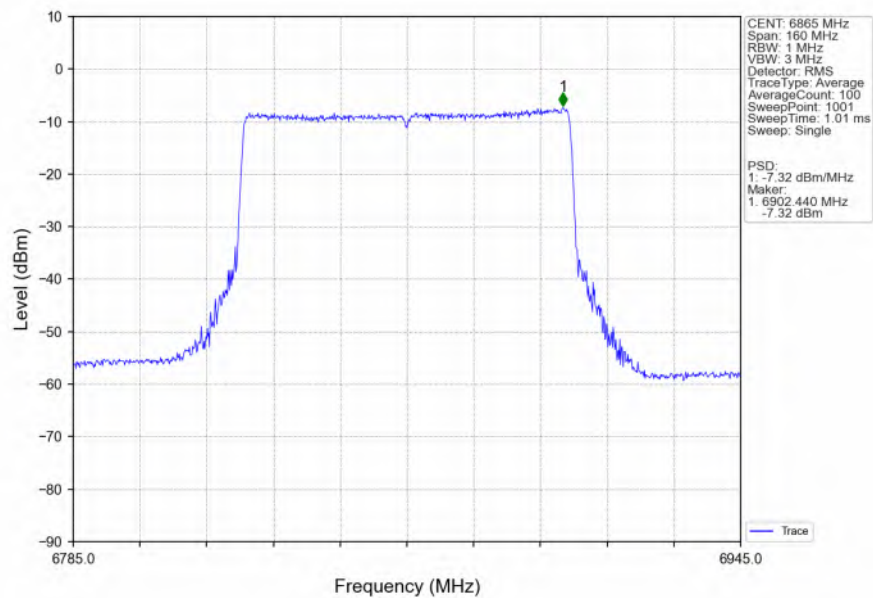
802.11ax(HEW40) HCH 6885MHz SU / MIMO NTN



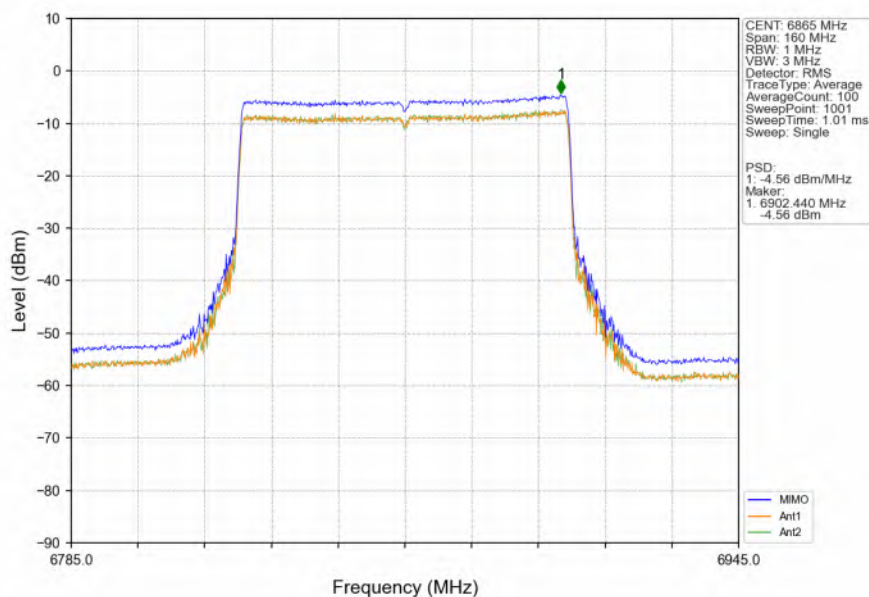
802.11ax(HEW80) HCH 6865MHz SU / Ant1 NTN



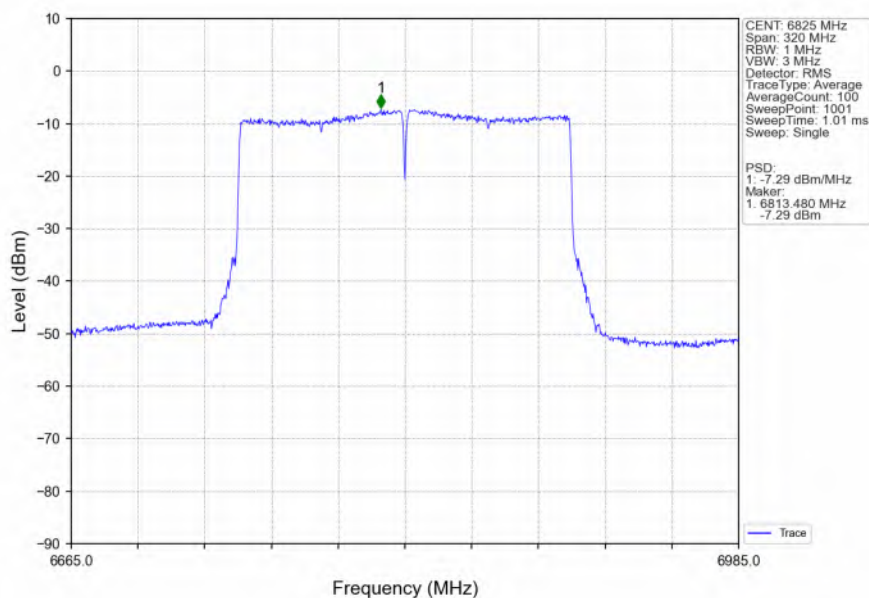
802.11ax(HEW80) HCH 6865MHz SU / Ant2 NTNv



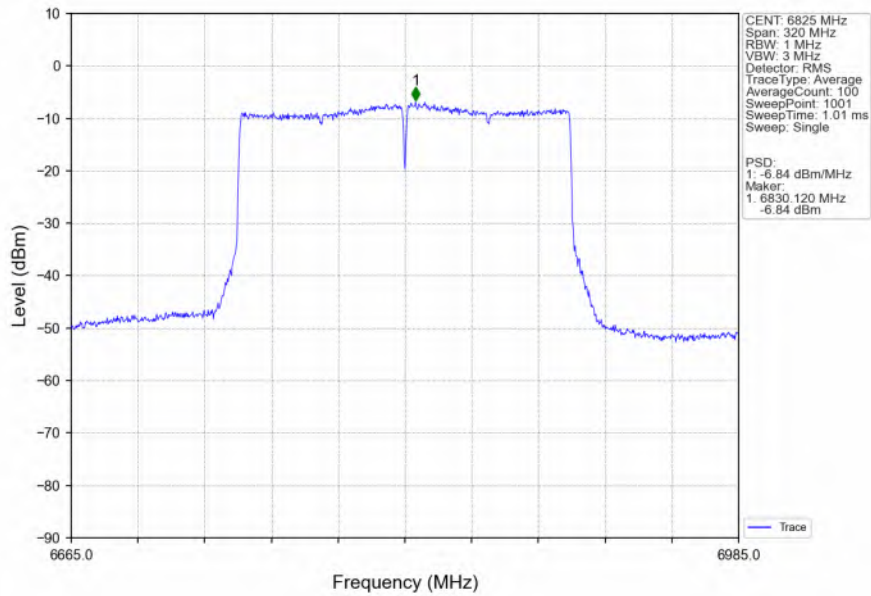
802.11ax(HEW80) HCH 6865MHz SU / MIMO NTNv



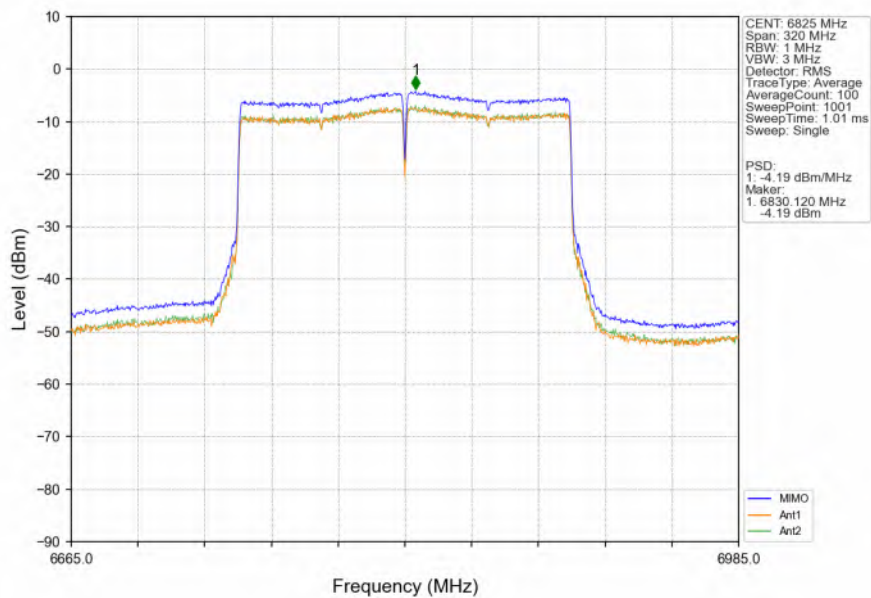
802.11ax(HEW160) HCH 6825MHz SU / Ant1 NTN



802.11ax(HEW160) HCH 6825MHz SU / Ant2 NTN

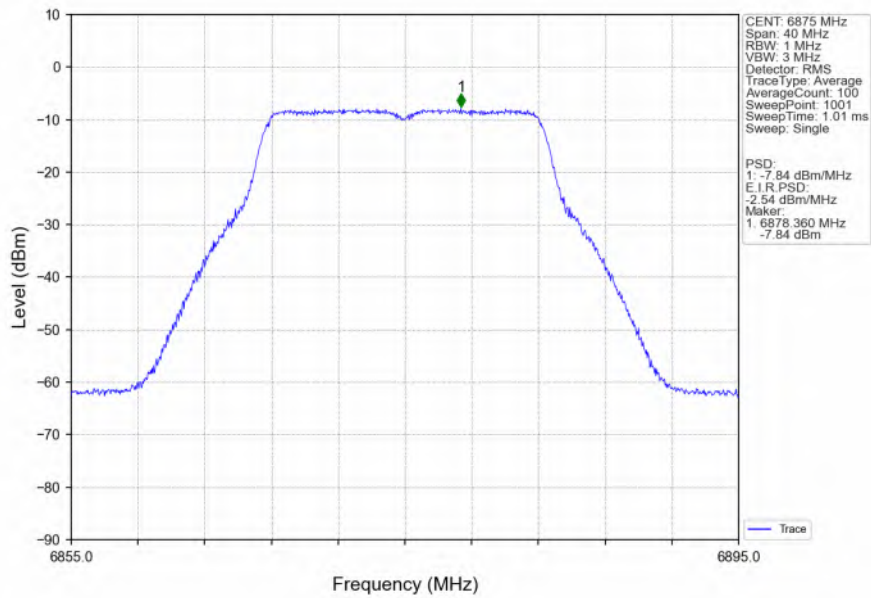


802.11ax(HEW160) HCH 6825MHz SU / MIMO NTNv

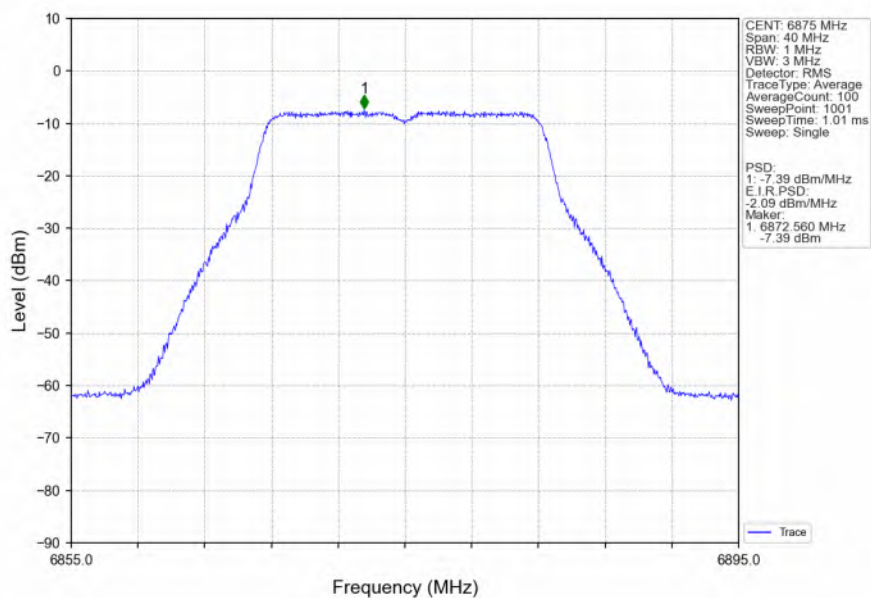


3.2.4 E.I.R.PSD

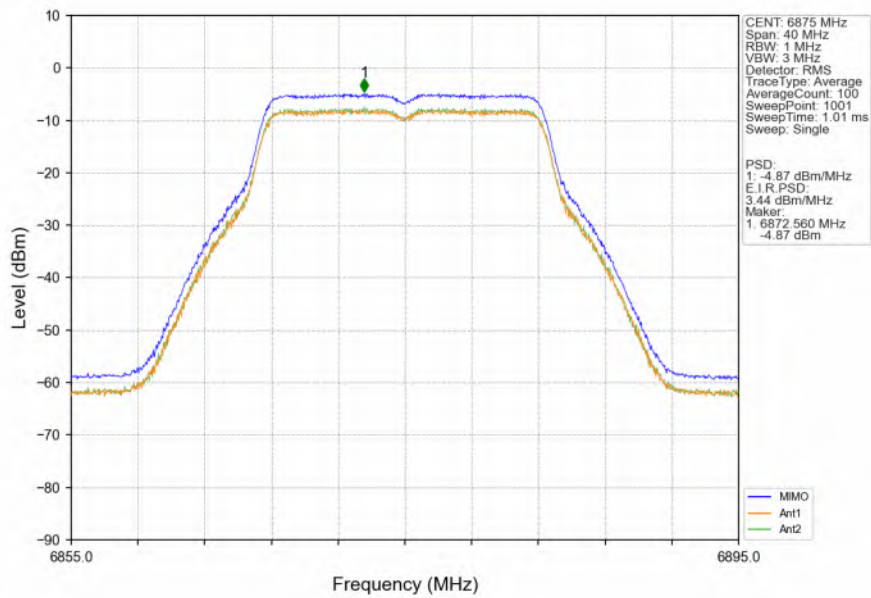
802.11a_HCH_6875MHz_Ant1_NTNV



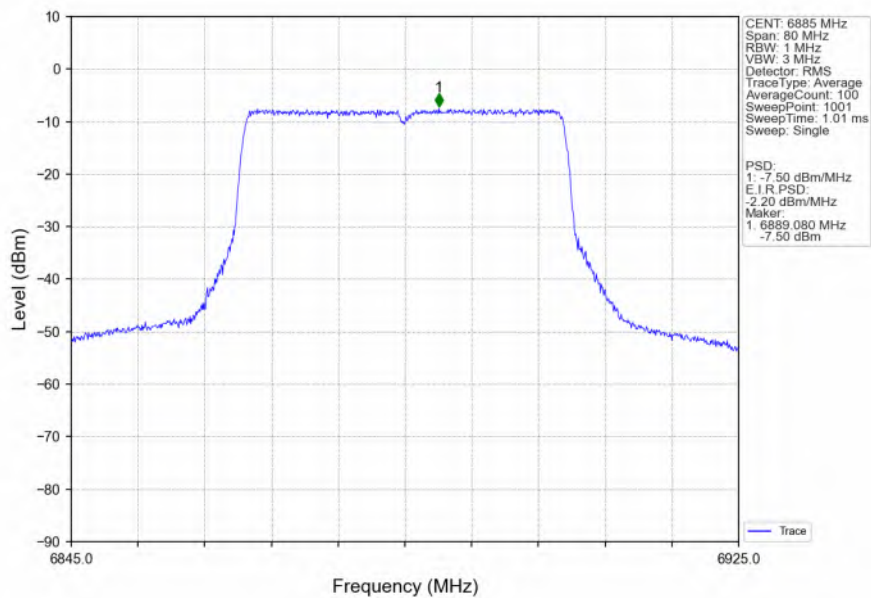
802.11a_HCH_6875MHz_Ant2_NTNV



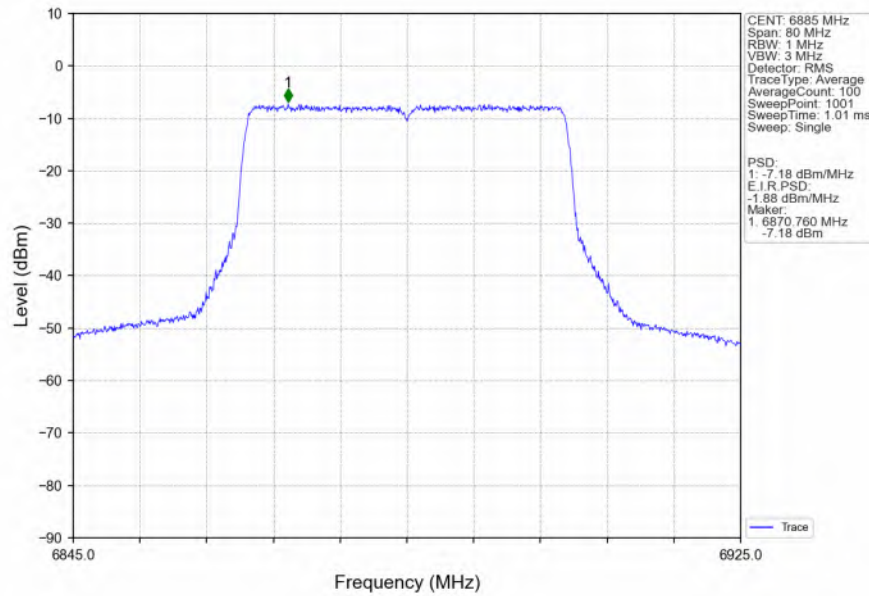
802.11a_HCH_6875MHz_MIMO_NTNV



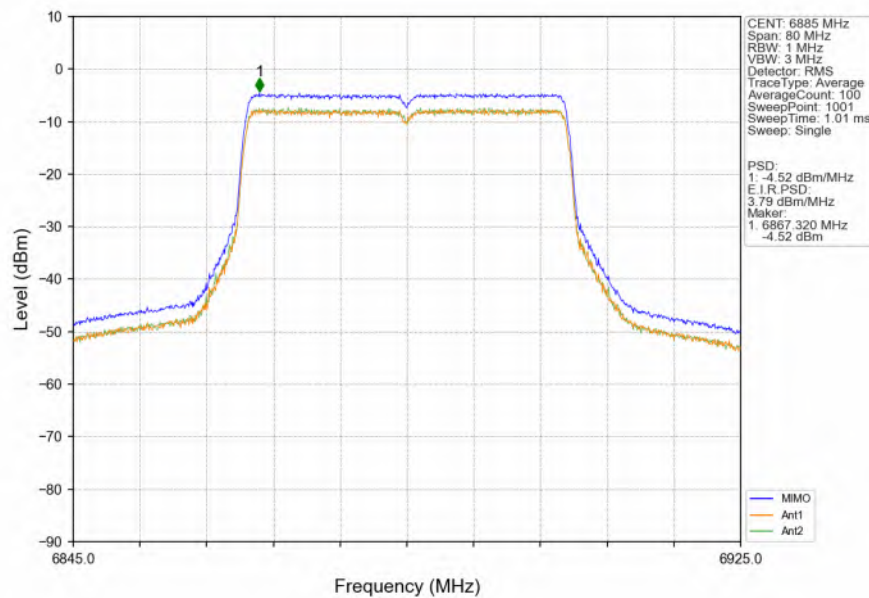
802.11ax(HEW40)_HCH_6885MHz_SU / Ant1_NTNV



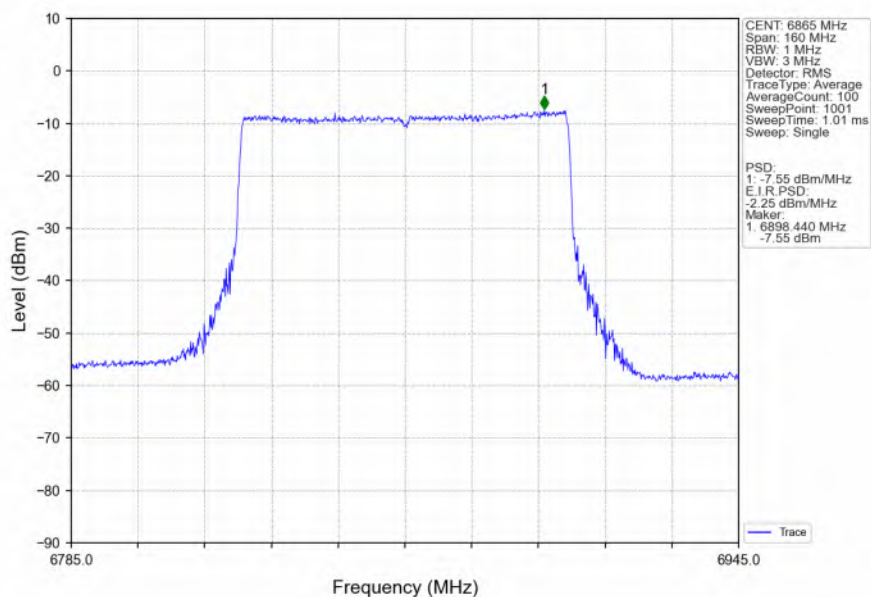
802.11ax(HEW40)_HCH_6885MHz_SU / Ant2_NTNV



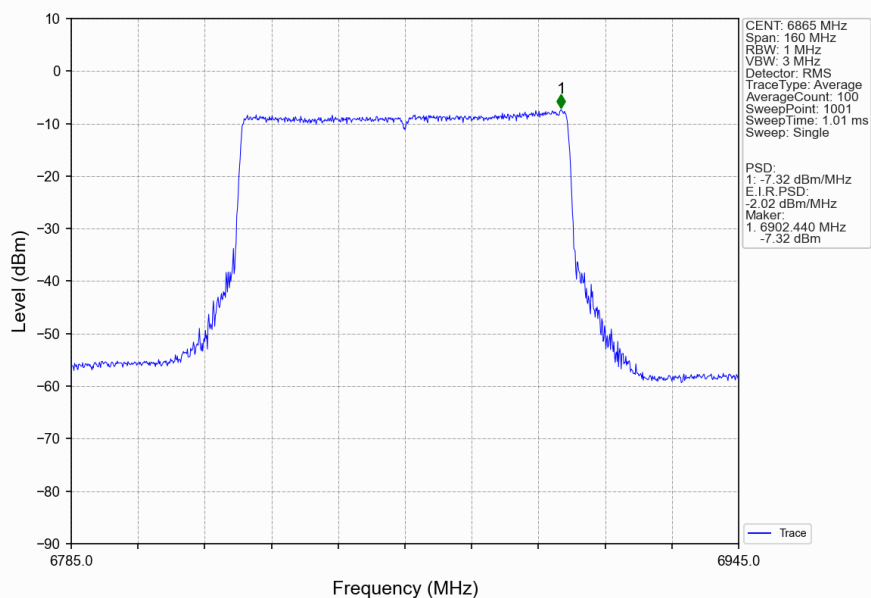
802.11ax(HEW40) HCH 6885MHz SU / MIMO NTN



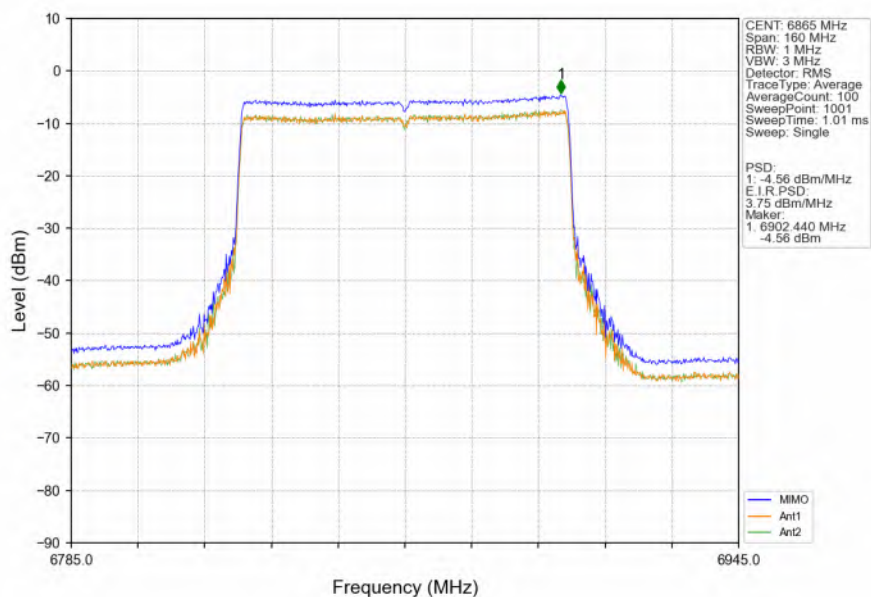
802.11ax(HEW80) HCH 6865MHz SU / Ant1 NTN



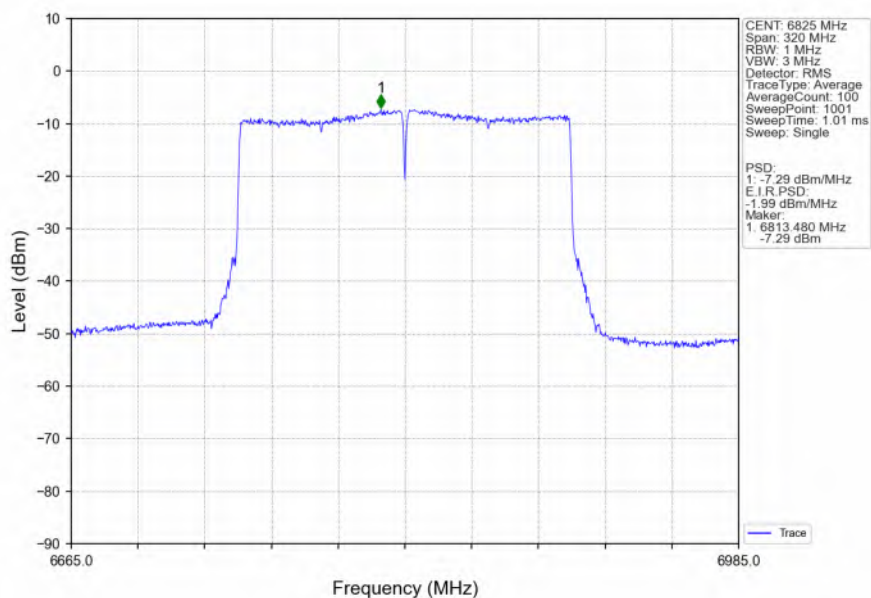
802.11ax(HEW80) HCH 6865MHz SU / Ant2 NTNv



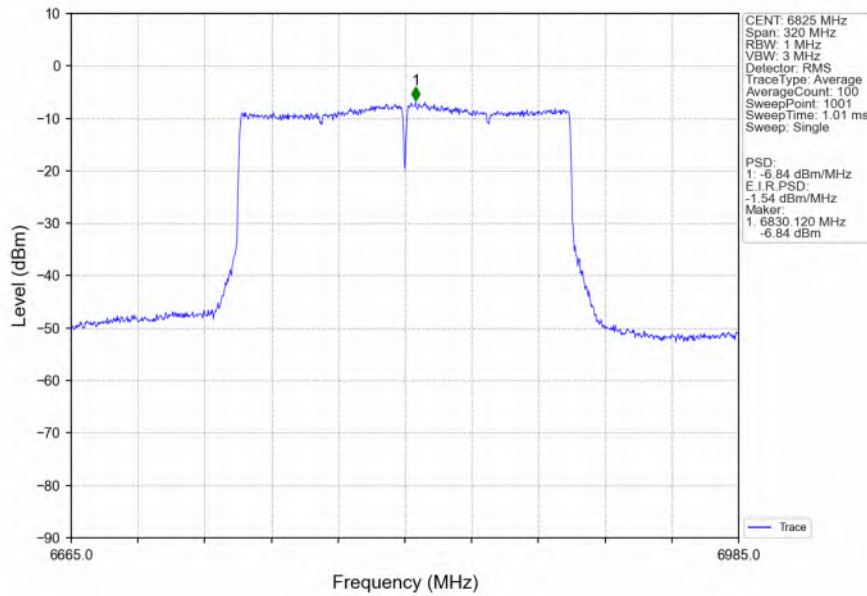
802.11ax(HEW80) HCH 6865MHz SU / MIMO NTNv



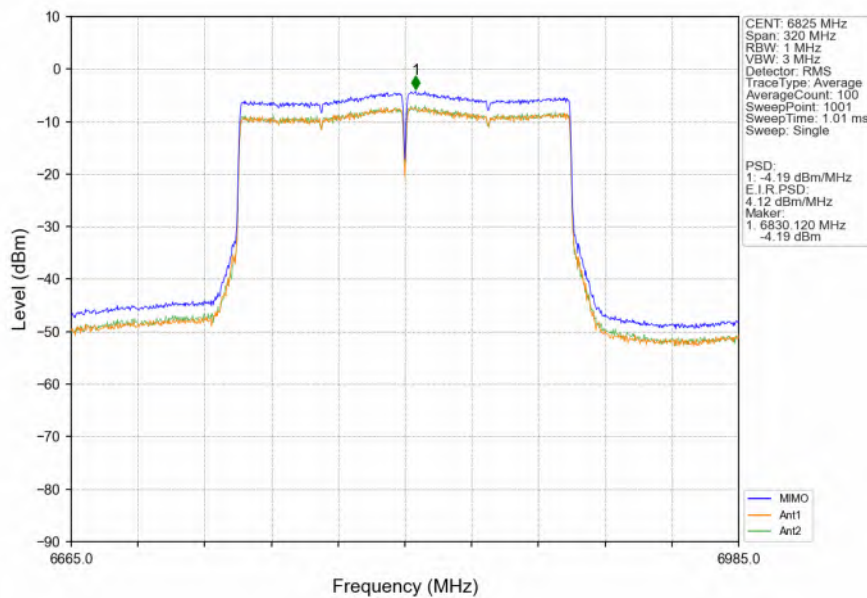
802.11ax(HEW160) HCH 6825MHz SU / Ant1 NTN



802.11ax(HEW160) HCH 6825MHz SU / Ant2 NTN

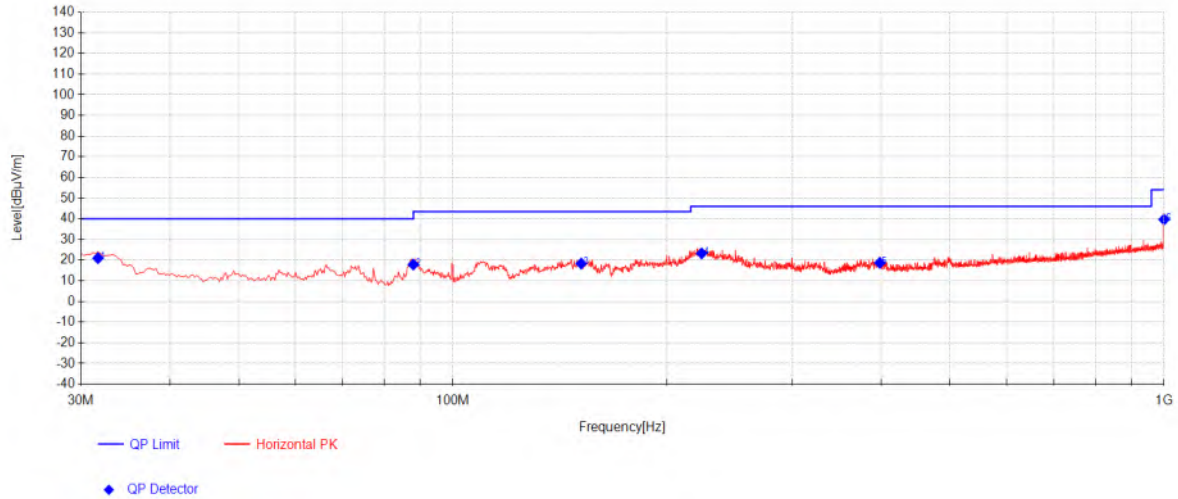


802.11ax(HEW160) HCH 6825MHz SU / MIMO NTNv



Transmitter emission Below 1GHz

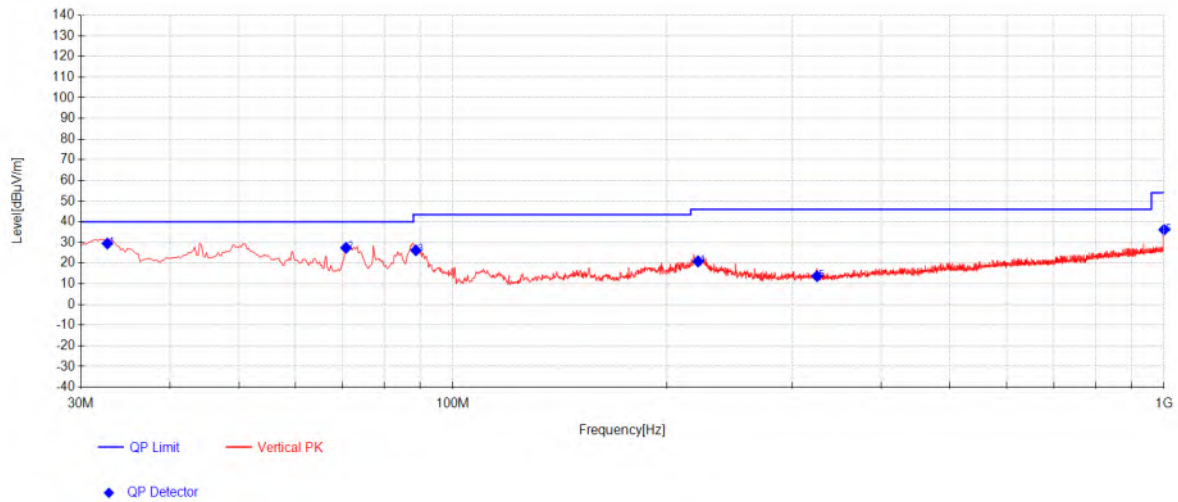
11ax(HE20)_TX_CH_233_Horizontal



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	31.6975	42.36	12.60	-34.00	20.96	40.00	19.04	156	64	Horizontal
2	87.9575	42.15	8.98	-33.28	17.86	40.00	22.14	188	115	Horizontal
3	151.4925	38.23	12.76	-32.67	18.32	43.50	25.18	143	136	Horizontal
4	223.7575	44.69	10.68	-32.12	23.25	46.00	22.75	125	130	Horizontal
5	398.3575	33.95	15.75	-31.03	18.67	46.00	27.33	192	338	Horizontal
6	1000	42.95	24.50	-27.80	39.65	54.00	14.35	140	58	Horizontal

11ax(HE20)_TX_CH_233_Vertical



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.6675	50.81	12.66	-33.98	29.49	40.00	10.51	162	53	Vertical
2	70.74	50.7	10.13	-33.41	27.42	40.00	12.58	174	187	Vertical
3	88.685	50.5	8.95	-33.27	26.18	43.50	17.32	183	246	Vertical
4	221.09	42.48	10.48	-32.13	20.83	46.00	25.17	155	187	Vertical
5	325.1225	31.65	13.55	-31.51	13.69	46.00	32.31	162	187	Vertical
6	1000	39.47	24.50	-27.80	36.17	54.00	17.83	147	103	Vertical

Remark:

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

Value = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

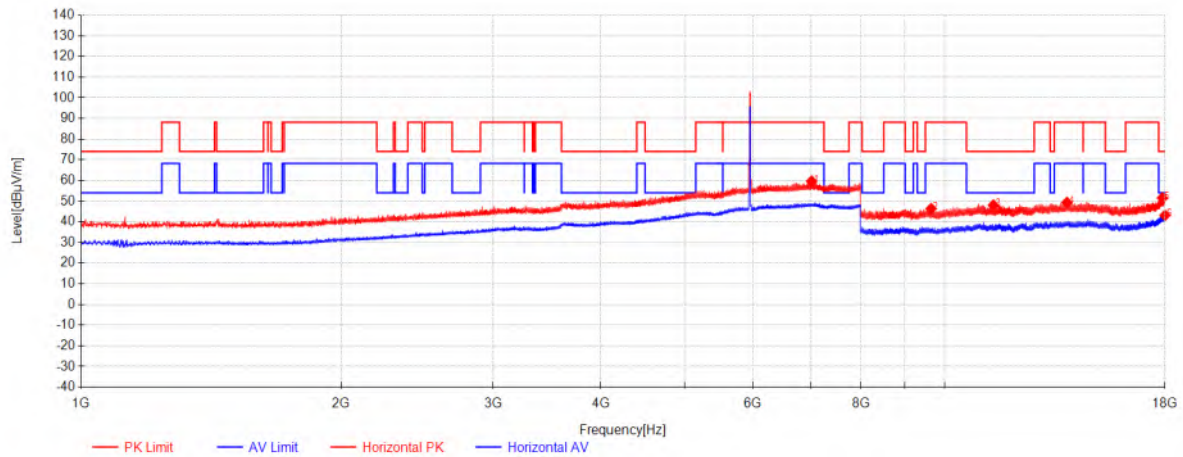
Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Value(dBμV/m)

- 2) All channels have been tested, but only the worst case data displayed in this report.

Transmitter emission Above 1GHz

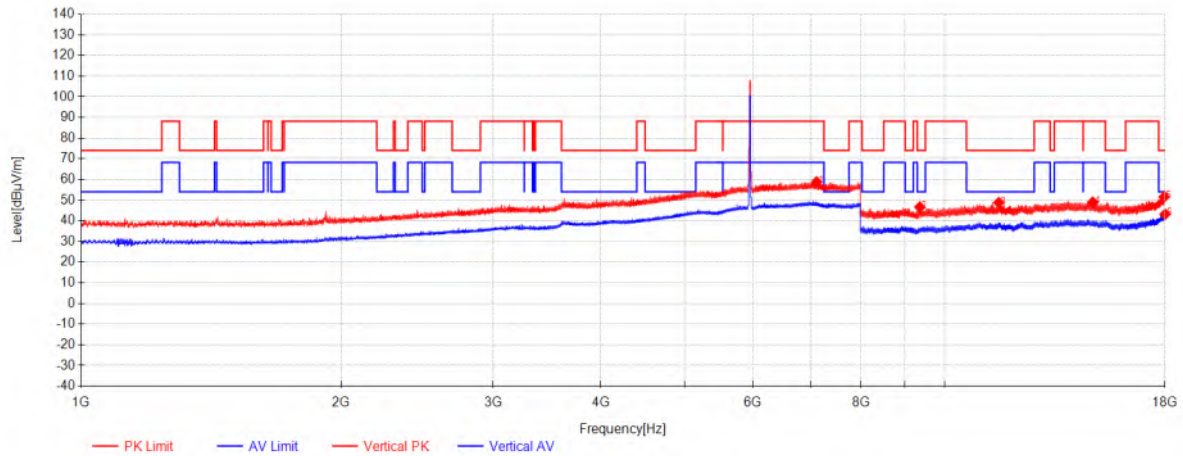
11a_TX_CH_001_Horizontal



Data List

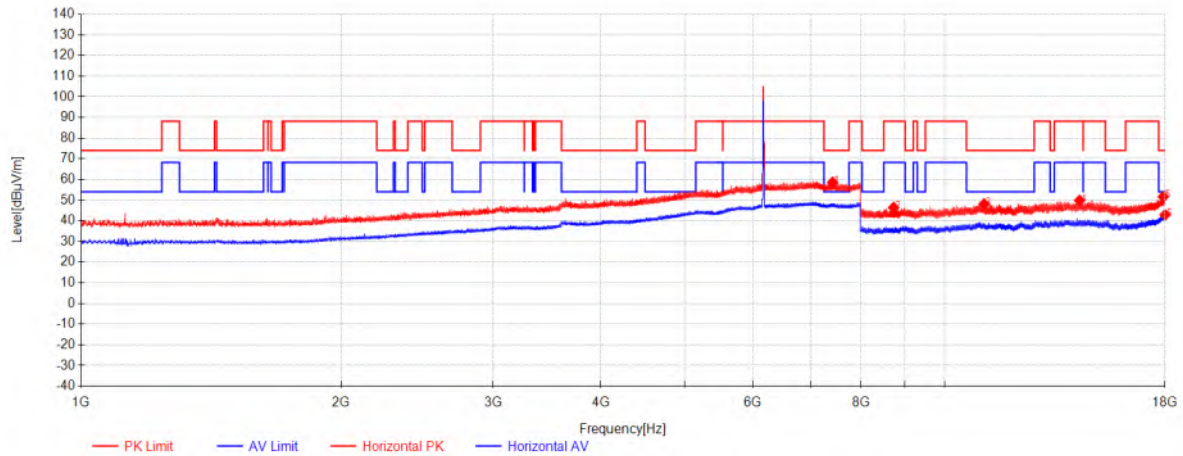
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7013.4375	40.61	36.30	-17.28	59.63	88.20	28.57	Horizontal
2	9647	45.96	38.06	-37.68	46.34	88.20	41.86	Horizontal
3	11388.6667	44.80	39.07	-35.82	48.04	74.00	25.96	Horizontal
4	13857.6667	43.54	40.33	-34.55	49.32	88.20	38.88	Horizontal
5	17872.3333	41.01	41.33	-30.84	51.50	74.00	22.50	Horizontal
6	17996	32.15	41.69	-30.73	43.11	54.00	10.89	Horizontal

11a_TX_CH_001_Vertical



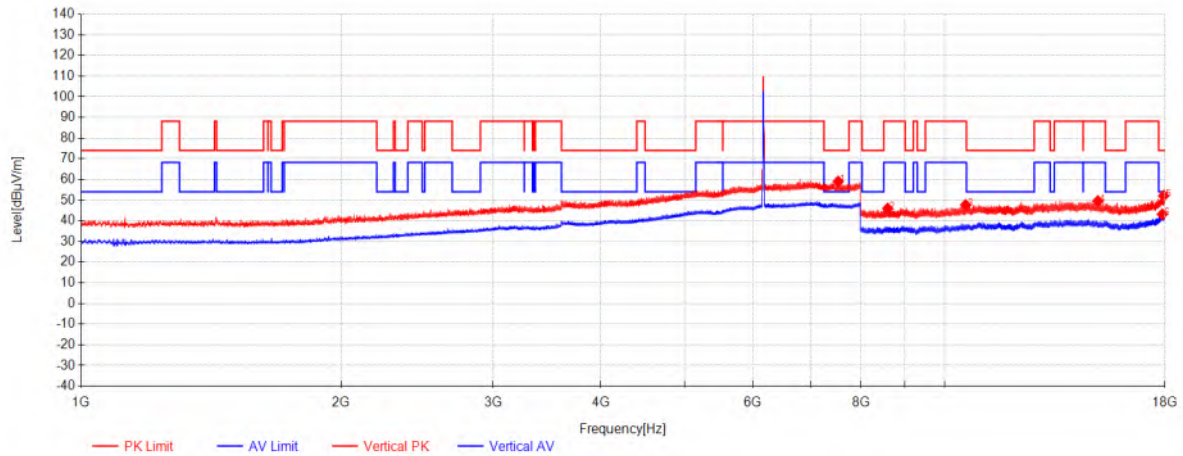
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7108.8125	39.86	36.30	-17.36	58.80	88.20	29.40	Vertical
2	9360	47.04	38.04	-38.47	46.61	74.00	27.39	Vertical
3	11553.6667	44.98	38.97	-35.19	48.76	74.00	25.24	Vertical
4	14844.6667	42.83	39.89	-33.77	48.95	88.20	39.25	Vertical
5	17960	40.85	41.58	-30.85	51.59	74.00	22.41	Vertical
6	18000	32.17	41.70	-30.72	43.15	54.00	10.85	Vertical

11a_TX_CH_045_Horizontal



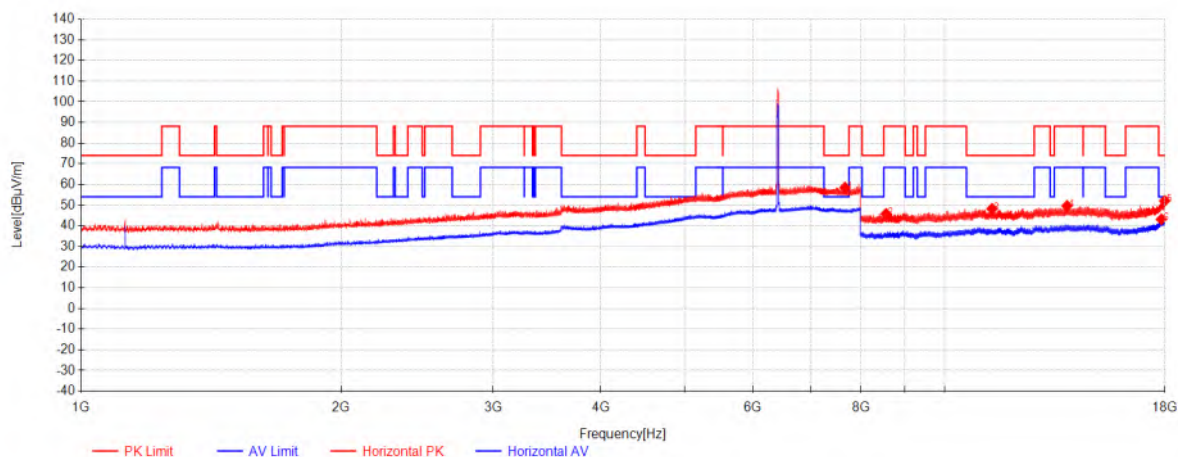
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7417.6875	40.08	36.30	-17.83	58.55	74.00	15.45	Horizontal
2	8728.6667	47.80	37.81	-39.21	46.40	88.20	41.80	Horizontal
3	11112	44.48	39.23	-35.60	48.11	74.00	25.89	Horizontal
4	14330.6667	43.88	40.20	-34.27	49.81	88.20	38.39	Horizontal
5	17915	41.18	41.45	-30.99	51.64	74.00	22.36	Horizontal
6	18000	31.90	41.70	-30.72	42.88	54.00	11.12	Horizontal

11a_TX_CH_045_Vertical



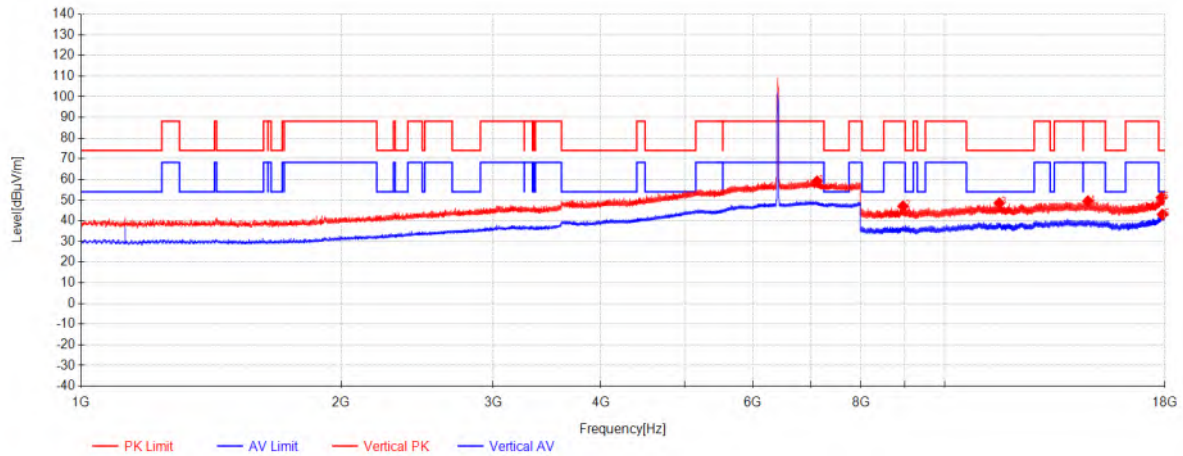
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7530.125	40.94	36.36	-18.28	59.02	74.00	14.98	Vertical
2	8591.3333	47.41	37.71	-39.16	45.96	88.20	42.24	Vertical
3	10576.6667	45.28	38.79	-36.41	47.67	88.20	40.53	Vertical
4	15049.3333	43.79	39.71	-33.91	49.60	88.20	38.60	Vertical
5	17935	41.50	41.51	-30.93	52.08	74.00	21.92	Vertical
6	17868.3333	32.63	41.32	-30.81	43.14	54.00	10.86	Vertical

11a_TX_CH_093_Horizontal



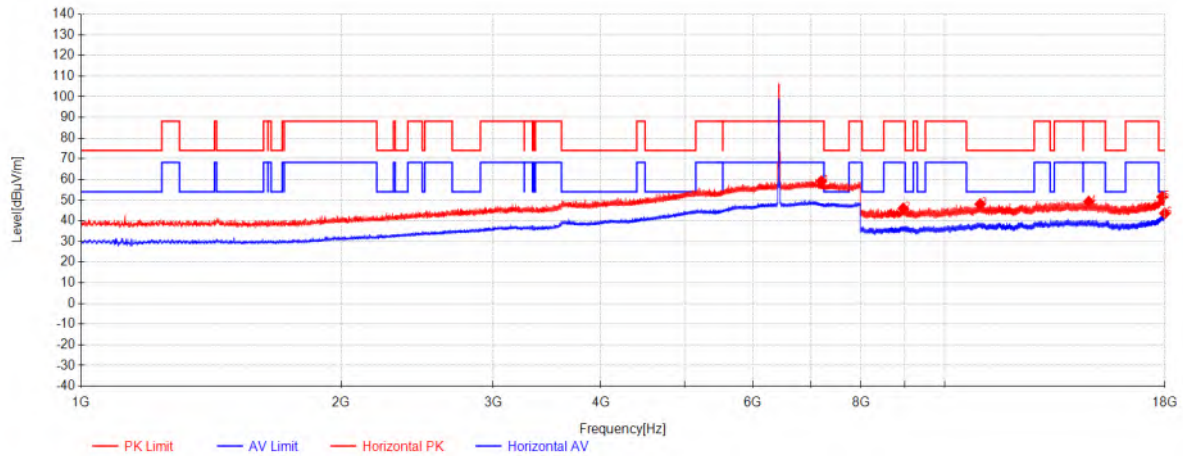
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7666.625	40.40	36.63	-18.56	58.47	74.00	15.53	Horizontal
2	8556.6667	47.60	37.69	-39.50	45.79	88.20	42.41	Horizontal
3	11348	44.73	39.09	-35.58	48.24	74.00	25.76	Horizontal
4	13859.6667	43.87	40.33	-34.54	49.66	88.20	38.54	Horizontal
5	17982.3333	41.23	41.65	-30.78	52.10	74.00	21.90	Horizontal
6	17825	32.45	41.19	-30.50	43.14	54.00	10.86	Horizontal

11a_TX_CH_093_Vertical



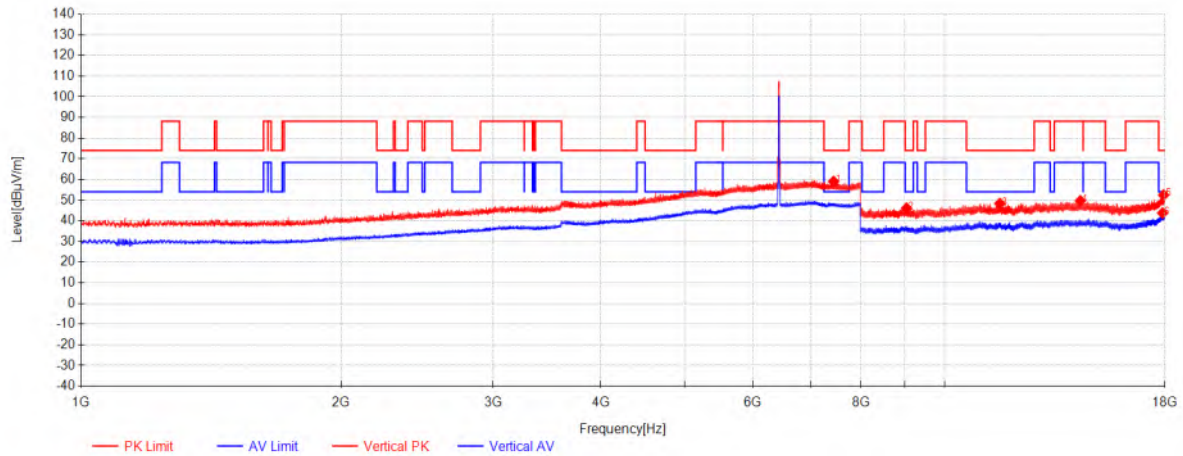
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7117.125	40.25	36.30	-17.41	59.14	88.20	29.06	Vertical
2	8947.3333	47.86	37.96	-38.79	47.04	88.20	41.16	Vertical
3	11568.6667	44.60	38.96	-35.04	48.51	74.00	25.49	Vertical
4	14653.3333	43.37	40.01	-33.87	49.51	88.20	38.69	Vertical
5	17827.6667	40.52	41.20	-30.52	51.20	74.00	22.80	Vertical
6	17877.6667	32.58	41.35	-30.88	43.05	54.00	10.95	Vertical

11a_TX_CH_097_Horizontal



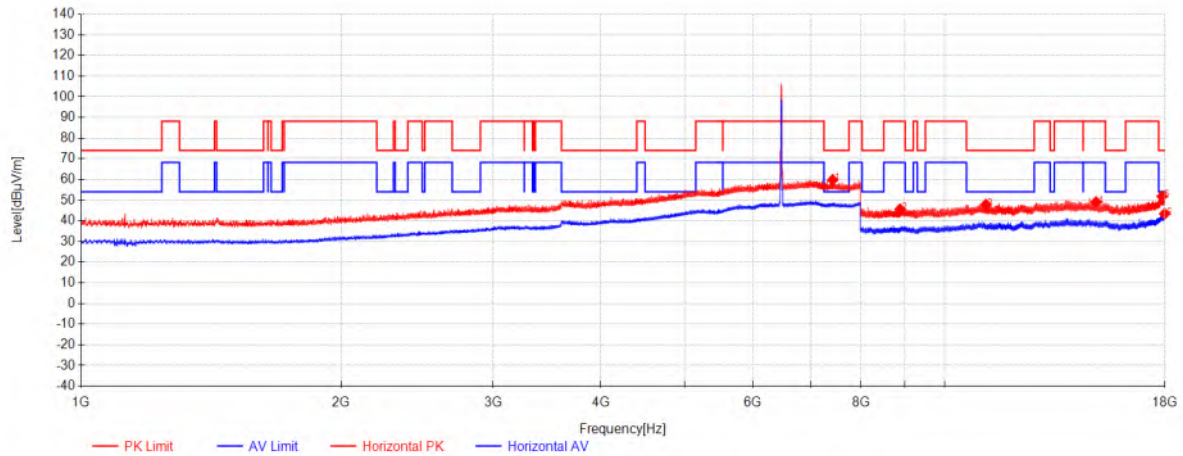
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7200.25	40.73	36.30	-17.88	59.15	88.20	29.05	Horizontal
2	8956.3333	46.79	37.97	-38.74	46.02	88.20	42.18	Horizontal
3	10993.3333	44.41	39.29	-35.67	48.03	74.00	25.97	Horizontal
4	14690	42.90	39.99	-33.61	49.28	88.20	38.92	Horizontal
5	17859	41.00	41.29	-30.74	51.55	74.00	22.45	Horizontal
6	17987.6667	32.70	41.66	-30.76	43.60	54.00	10.40	Horizontal

11a_TX_CH_097_Vertical



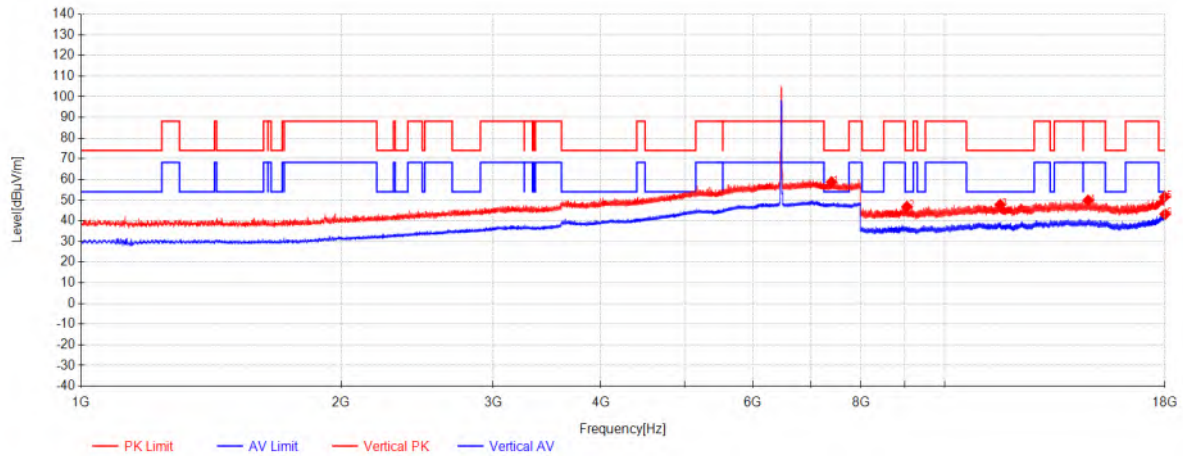
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7438.25	40.65	36.30	-17.93	59.02	74.00	14.98	Vertical
2	9035.3333	46.85	38.00	-38.77	46.08	74.00	27.92	Vertical
3	11587	44.28	38.95	-34.87	48.36	74.00	25.64	Vertical
4	14362	43.50	40.18	-34.03	49.65	88.20	38.55	Vertical
5	17933	41.90	41.51	-30.93	52.47	74.00	21.53	Vertical
6	17879.6667	33.28	41.35	-30.89	43.74	54.00	10.26	Vertical

11a_TX_CH_105_Horizontal



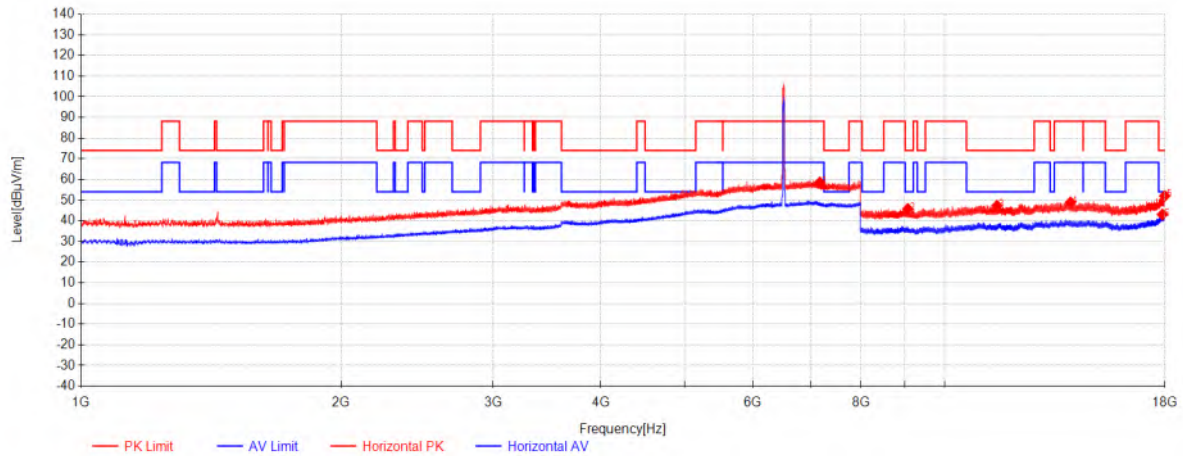
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7420.3125	41.33	36.30	-17.84	59.79	74.00	14.21	Horizontal
2	8879	46.68	37.92	-39.05	45.55	88.20	42.65	Horizontal
3	11162	44.26	39.20	-35.63	47.83	74.00	26.17	Horizontal
4	14974.3333	43.04	39.82	-33.80	49.05	88.20	39.15	Horizontal
5	17862.3333	41.31	41.30	-30.77	51.84	74.00	22.16	Horizontal
6	17981.6667	32.52	41.65	-30.78	43.39	54.00	10.61	Horizontal

11a_TX_CH_105_Vertical



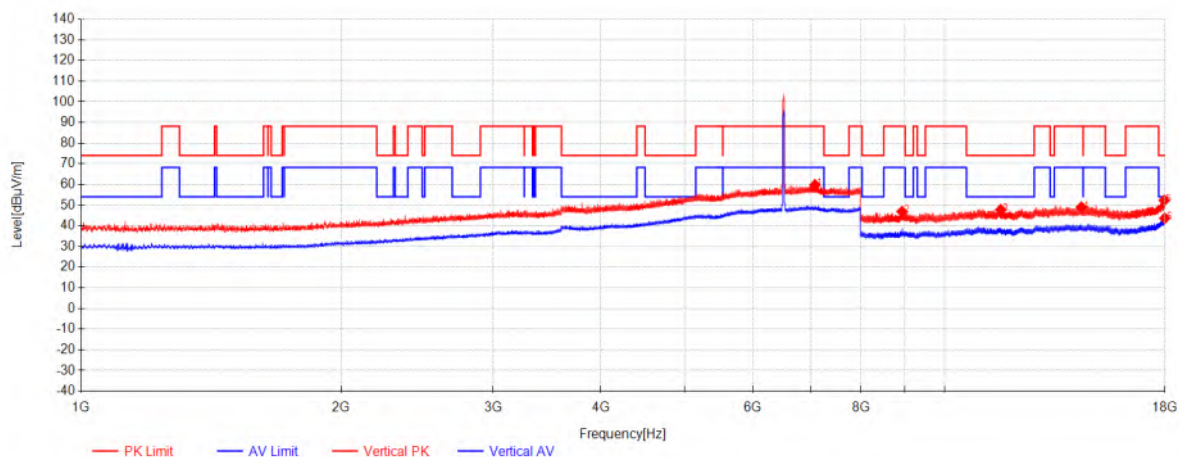
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7396.25	40.21	36.30	-17.75	58.76	74.00	15.24	Vertical
2	9043.6667	47.62	38.00	-38.83	46.80	74.00	27.20	Vertical
3	11594.3333	43.61	38.94	-34.79	47.76	74.00	26.24	Vertical
4	14662.3333	43.66	40.00	-33.81	49.86	88.20	38.34	Vertical
5	17976.3333	40.73	41.63	-30.80	51.57	74.00	22.43	Vertical
6	17998.3333	32.19	41.70	-30.73	43.16	54.00	10.84	Vertical

11a_TX_CH_113_Horizontal



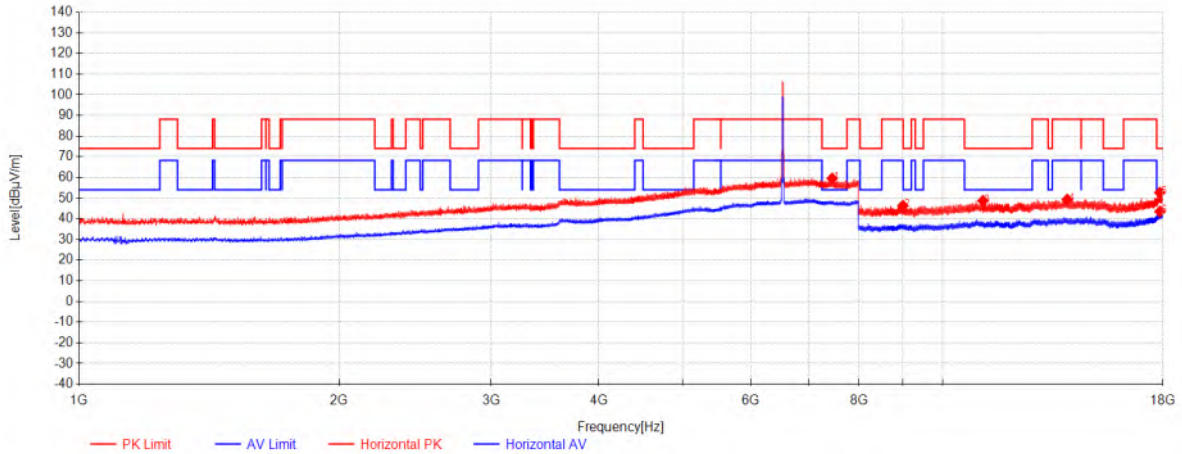
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7171.375	39.97	36.30	-17.72	58.55	88.20	29.65	Horizontal
2	9064	46.73	38.01	-38.97	45.77	74.00	28.23	Horizontal
3	11499	44.02	39.00	-35.71	47.31	74.00	26.69	Horizontal
4	13987	43.45	40.39	-34.92	48.92	88.20	39.28	Horizontal
5	17983	41.15	41.65	-30.77	52.03	74.00	21.97	Horizontal
6	17873.3333	32.57	41.33	-30.85	43.05	54.00	10.95	Horizontal

11a_TX_CH_113_Vertical



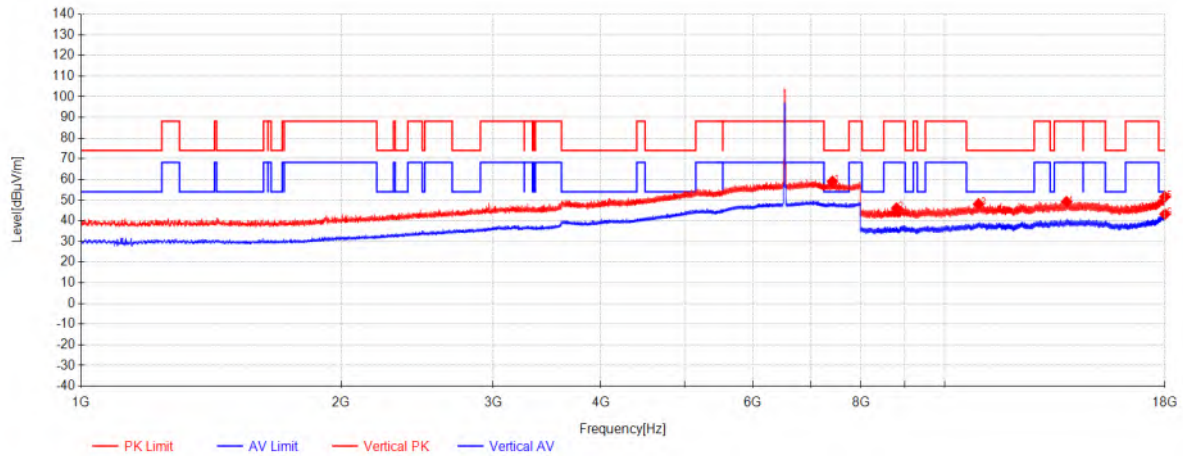
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7077.3125	40.76	36.30	-17.30	59.76	88.20	28.44	Vertical
2	8926	47.79	37.95	-38.89	46.85	88.20	41.35	Vertical
3	11615	43.71	38.93	-34.86	47.78	74.00	26.22	Vertical
4	14399.6667	42.57	40.16	-33.74	48.99	88.20	39.21	Vertical
5	17963	41.53	41.59	-30.84	52.28	74.00	21.72	Vertical
6	17984.6667	32.75	41.66	-30.77	43.64	54.00	10.36	Vertical

11a_TX_CH_117_Horizontal



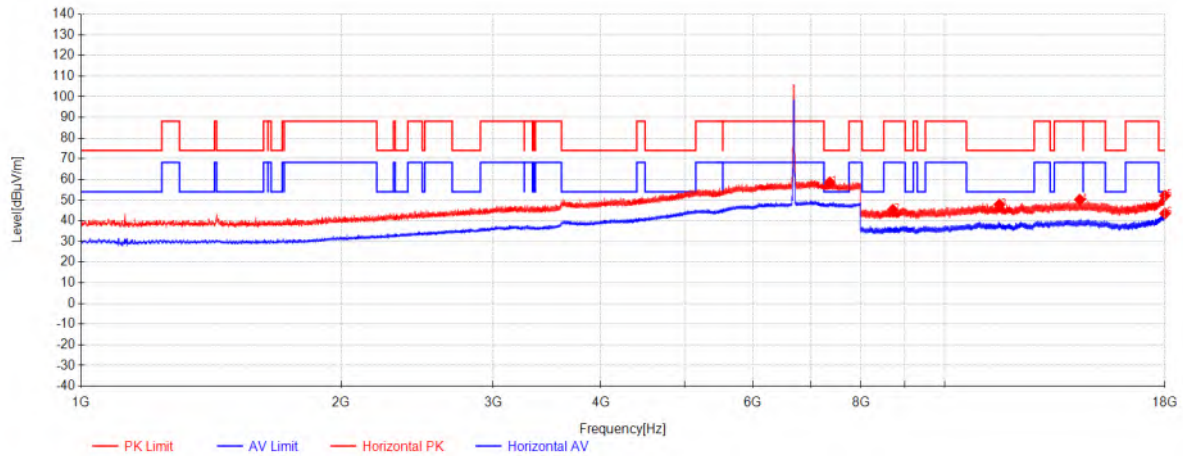
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7450.0625	41.21	36.30	-17.98	59.53	74.00	14.47	Horizontal
2	8995.6667	46.89	38.00	-38.55	46.34	88.20	41.86	Horizontal
3	11134.6667	45.16	39.22	-35.61	48.76	74.00	25.24	Horizontal
4	13940.3333	43.56	40.37	-34.59	49.34	88.20	38.86	Horizontal
5	17845.3333	42.04	41.25	-30.65	52.65	74.00	21.35	Horizontal
6	17851.3333	32.93	41.27	-30.69	43.51	54.00	10.49	Horizontal

11a_TX_CH_117_Vertical



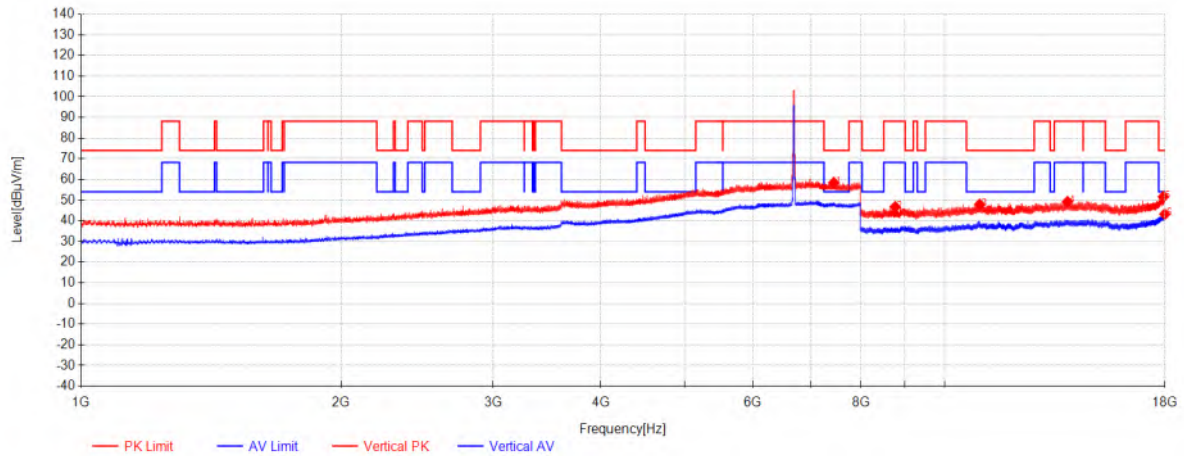
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7413.75	40.52	36.30	-17.81	59.01	74.00	14.99	Vertical
2	8797.3333	47.34	37.86	-39.14	46.06	88.20	42.14	Vertical
3	10948	44.69	39.24	-35.83	48.10	74.00	25.90	Vertical
4	13841.6667	43.49	40.32	-34.64	49.17	88.20	39.03	Vertical
5	17989	40.66	41.67	-30.76	51.57	74.00	22.43	Vertical
6	17993.3333	32.23	41.68	-30.74	43.17	54.00	10.83	Vertical

11a_TX_CH_149_Horizontal



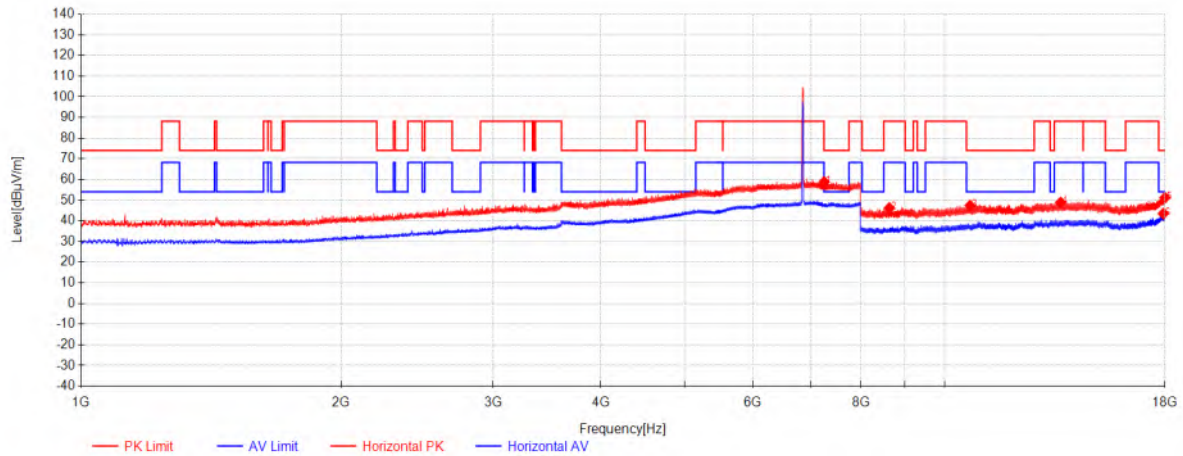
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7361.6875	40.06	36.30	-17.75	58.61	74.00	15.39	Horizontal
2	8707.6667	46.77	37.80	-39.23	45.33	88.20	42.87	Horizontal
3	11571.3333	43.90	38.96	-35.02	47.84	74.00	26.16	Horizontal
4	14339.3333	44.20	40.20	-34.20	50.20	88.20	38.00	Horizontal
5	17994	41.26	41.68	-30.74	52.20	74.00	21.80	Horizontal
6	17996	32.57	41.69	-30.73	43.53	54.00	10.47	Horizontal

11a_TX_CH_149_Vertical



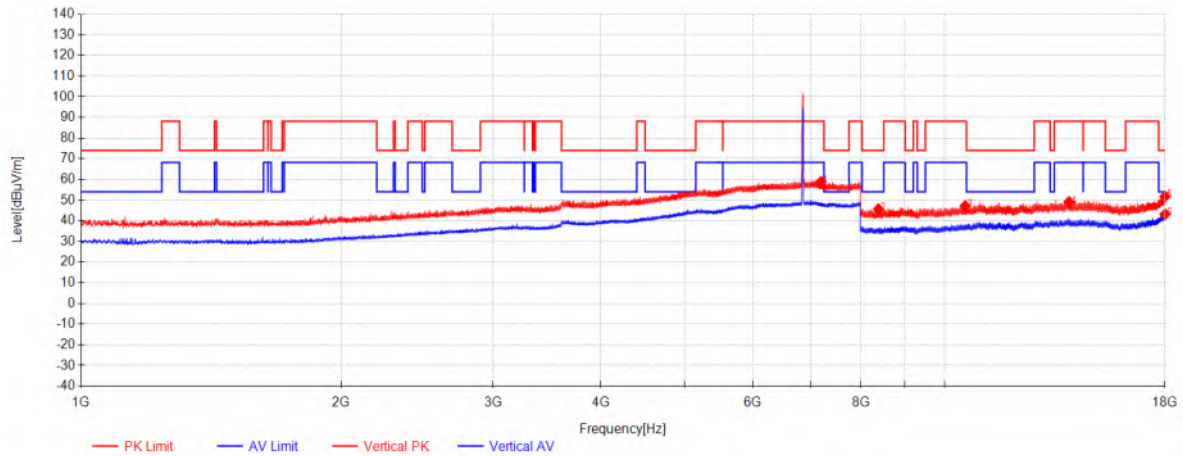
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7440.4375	40.08	36.30	-17.94	58.44	74.00	15.56	Vertical
2	8764.6667	48.02	37.84	-39.18	46.68	88.20	41.52	Vertical
3	10978.3333	44.36	39.27	-35.72	47.91	74.00	26.09	Vertical
4	13876.3333	43.30	40.34	-34.44	49.19	88.20	39.01	Vertical
5	17919.3333	41.12	41.47	-30.98	51.61	74.00	22.39	Vertical
6	17987.6667	32.28	41.66	-30.76	43.18	54.00	10.82	Vertical

11a_TX_CH_181_Horizontal



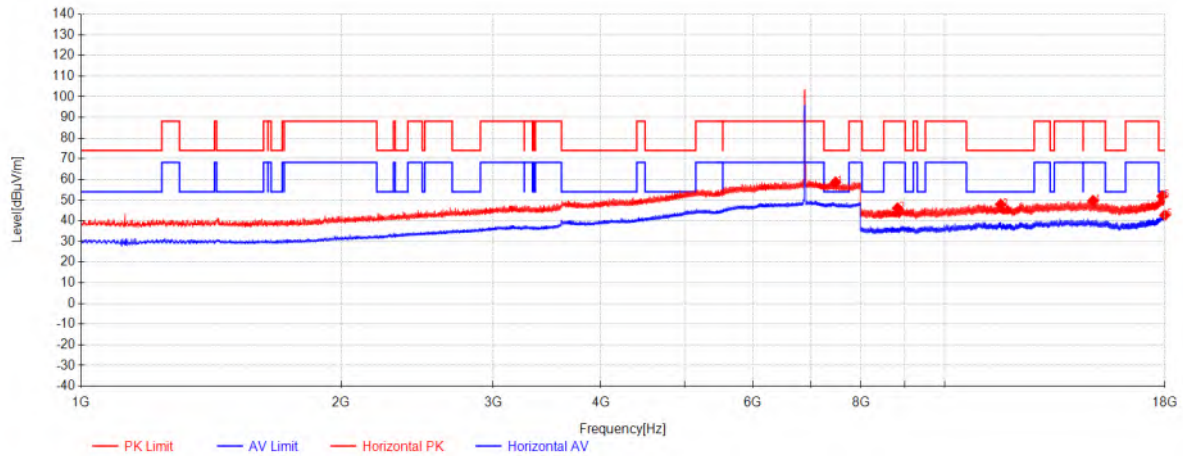
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7252.3125	40.34	36.30	-17.81	58.83	74.00	15.17	Horizontal
2	8631	47.56	37.74	-39.13	46.17	88.20	42.03	Horizontal
3	10704.3333	44.56	38.95	-36.11	47.39	74.00	26.61	Horizontal
4	13626	43.08	40.21	-34.46	48.84	88.20	39.36	Horizontal
5	17993	40.23	41.68	-30.74	51.17	74.00	22.83	Horizontal
6	17917	33.00	41.46	-30.99	43.47	54.00	10.53	Horizontal

11a_TX_CH_181_Vertical



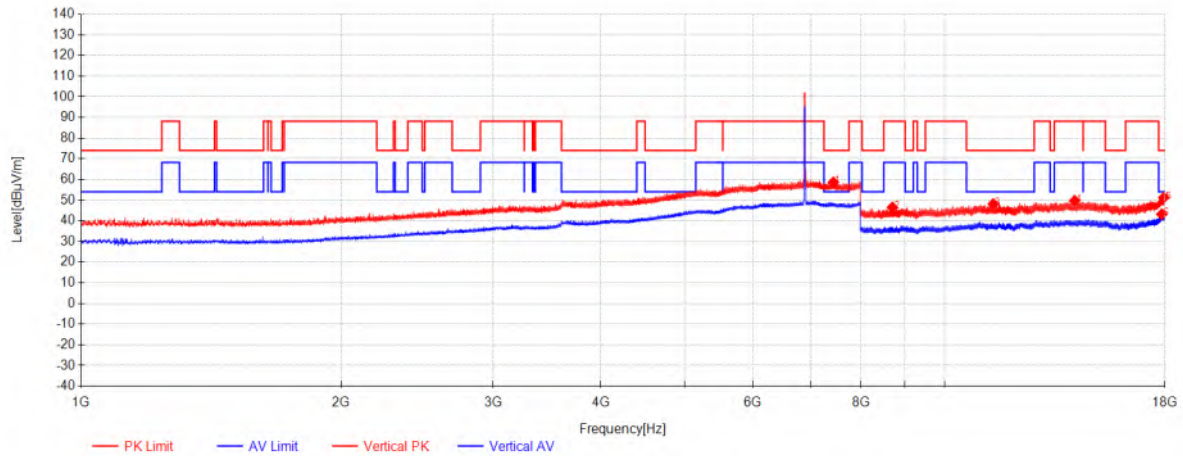
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7191.0625	40.36	36.30	-17.83	58.83	88.20	29.37	Vertical
2	8384	48.17	37.57	-40.11	45.63	74.00	28.37	Vertical
3	10563.6667	44.81	38.78	-36.38	47.21	88.20	40.99	Vertical
4	13935.6667	43.32	40.37	-34.56	49.13	88.20	39.07	Vertical
5	17998.3333	40.77	41.70	-30.73	51.74	74.00	22.26	Vertical
6	17998.3333	32.18	41.70	-30.73	43.15	54.00	10.85	Vertical

11a_TX_CH_189_Horizontal



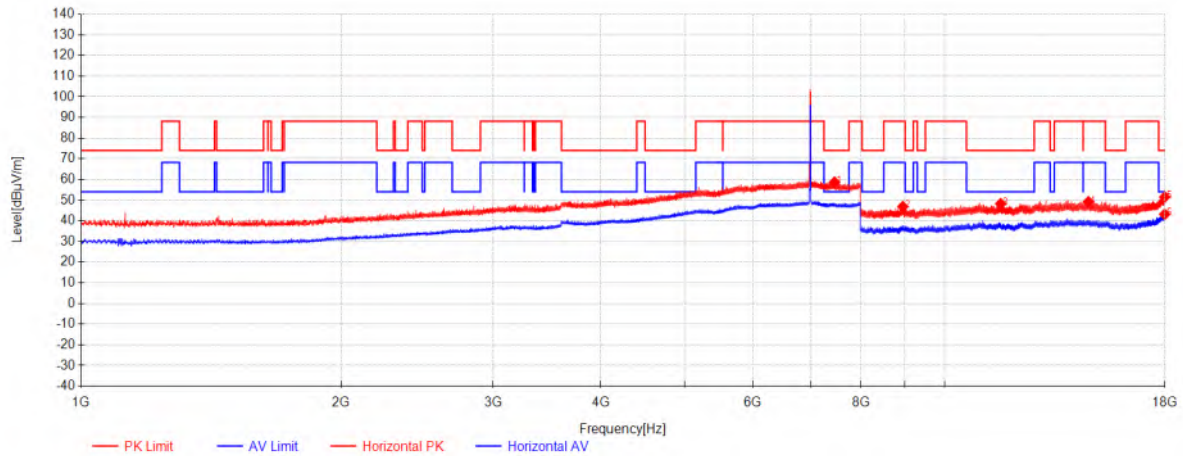
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7477.625	40.42	36.30	-18.11	58.61	74.00	15.39	Horizontal
2	8820.3333	47.29	37.87	-39.12	46.05	88.20	42.15	Horizontal
3	11609.3333	43.80	38.93	-34.82	47.92	74.00	26.08	Horizontal
4	14855	43.49	39.89	-33.69	49.69	88.20	38.51	Horizontal
5	17862.3333	41.39	41.30	-30.77	51.92	74.00	22.08	Horizontal
6	17989	31.82	41.67	-30.76	42.73	54.00	11.27	Horizontal

11a_TX_CH_189_Vertical



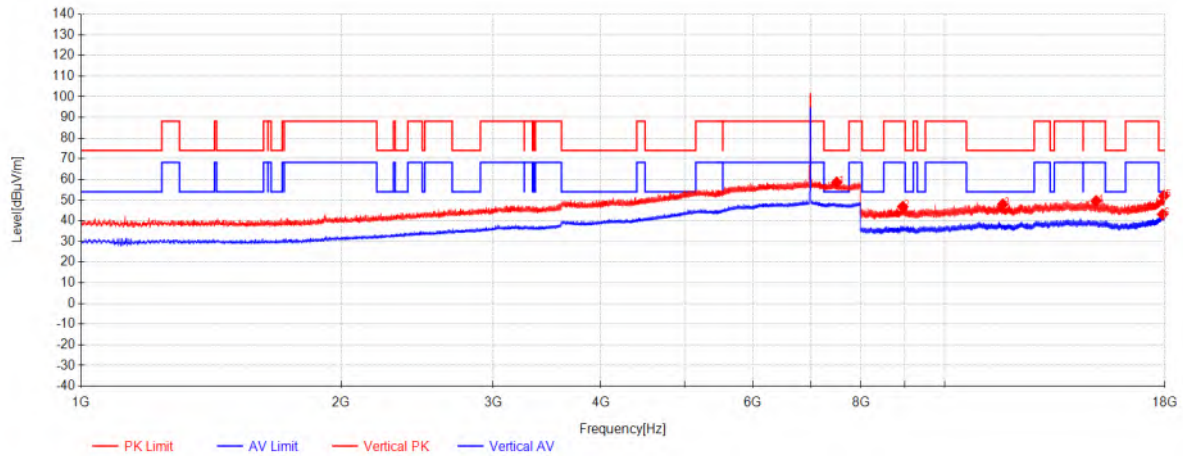
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7433.875	40.23	36.30	-17.91	58.62	74.00	15.38	Vertical
2	8700.3333	47.90	37.79	-39.24	46.45	88.20	41.75	Vertical
3	11384	44.84	39.07	-35.79	48.12	74.00	25.88	Vertical
4	14143	44.29	40.31	-34.91	49.69	88.20	38.51	Vertical
5	17939.6667	40.58	41.53	-30.91	51.19	74.00	22.81	Vertical
6	17844.3333	32.56	41.25	-30.64	43.17	54.00	10.83	Vertical

11a_TX_CH_209_Horizontal



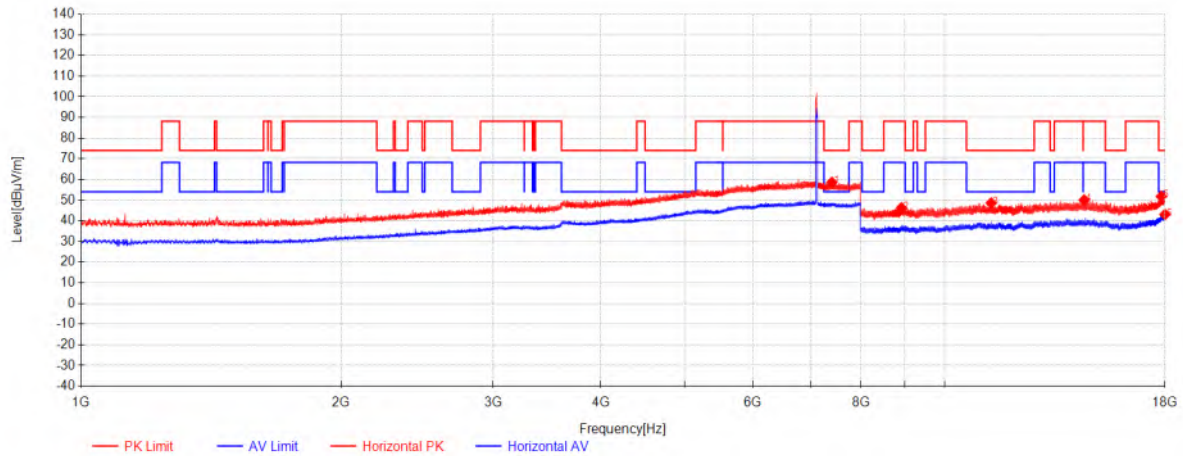
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7455.3125	40.37	36.30	-18.00	58.67	74.00	15.33	Horizontal
2	8945.6667	47.67	37.96	-38.80	46.84	88.20	41.36	Horizontal
3	11614.3333	44.17	38.93	-34.86	48.24	74.00	25.76	Horizontal
4	14674.3333	42.90	40.00	-33.72	49.17	88.20	39.03	Horizontal
5	17987.3333	40.60	41.66	-30.76	51.50	74.00	22.50	Horizontal
6	17980.6667	32.26	41.64	-30.78	43.12	54.00	10.88	Horizontal

11a_TX_CH_209_Vertical



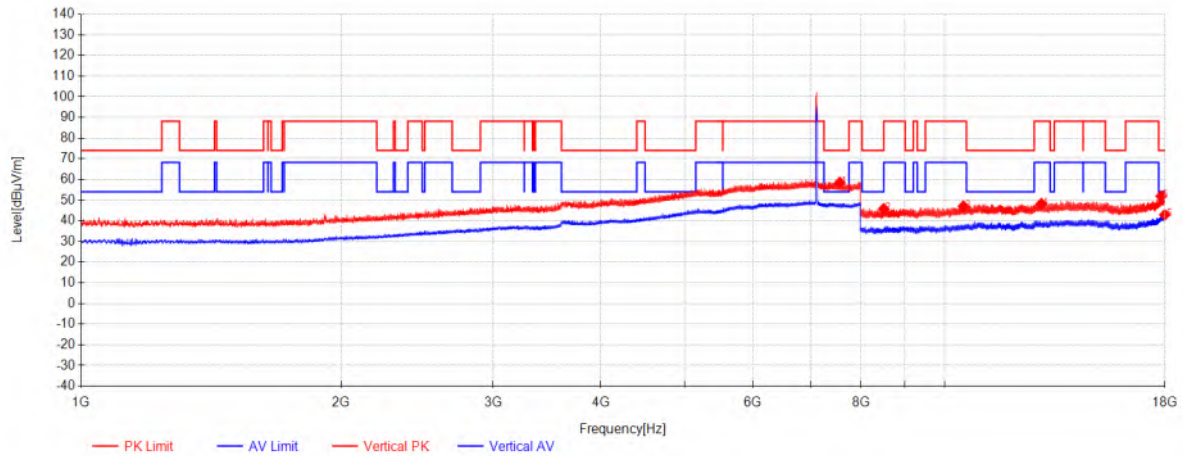
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7499.0625	40.51	36.30	-18.21	58.60	74.00	15.40	Vertical
2	8942.6667	47.66	37.96	-38.81	46.81	88.20	41.39	Vertical
3	11677.6667	44.45	38.89	-35.38	47.97	74.00	26.03	Vertical
4	14977.3333	43.62	39.81	-33.82	49.61	88.20	38.59	Vertical
5	17943	41.43	41.53	-30.90	52.06	74.00	21.94	Vertical
6	17882	32.69	41.36	-30.91	43.14	54.00	10.86	Vertical

11a_TX_CH_233_Horizontal



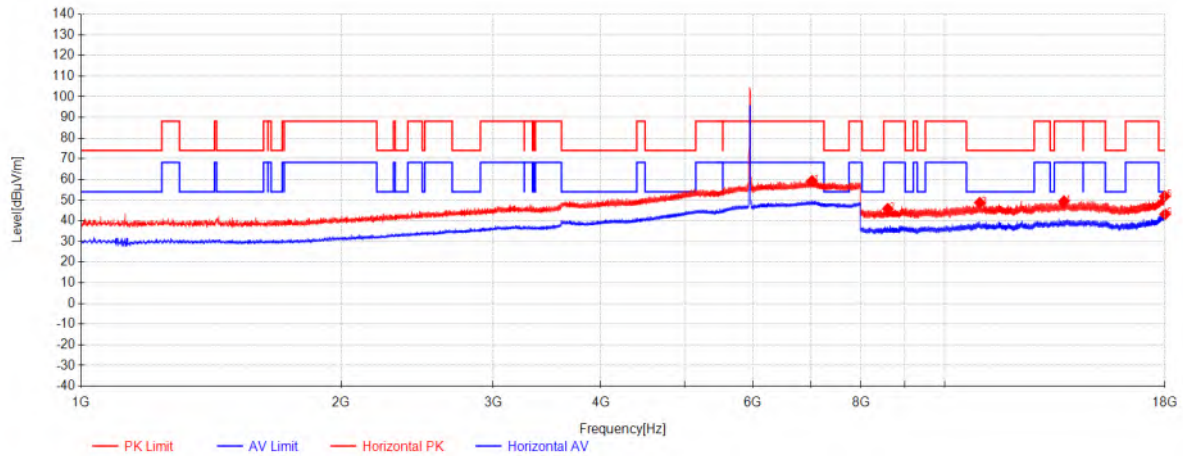
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7403.25	40.04	36.30	-17.76	58.58	74.00	15.42	Horizontal
2	8914.6667	47.24	37.94	-38.95	46.23	88.20	41.97	Horizontal
3	11321.3333	44.88	39.11	-35.42	48.57	74.00	25.43	Horizontal
4	14509.3333	44.54	40.09	-34.62	50.01	88.20	38.19	Horizontal
5	17821.6667	41.08	41.18	-30.48	51.79	74.00	22.21	Horizontal
6	17995.6667	32.10	41.69	-30.73	43.05	54.00	10.95	Horizontal

11a_TX_CH_233_Vertical



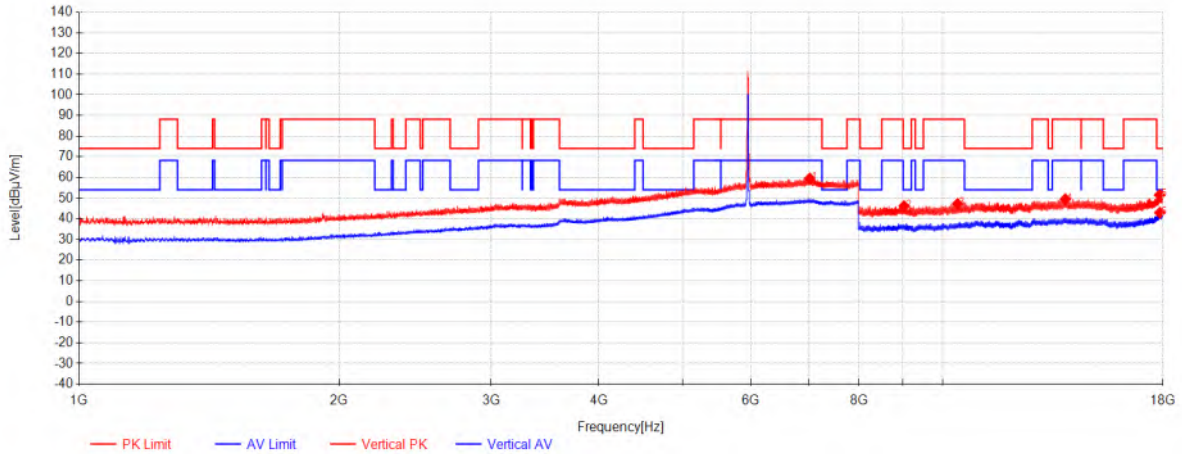
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7561.625	40.41	36.42	-18.35	58.49	74.00	15.51	Vertical
2	8500.6667	48.19	37.65	-40.04	45.80	88.20	42.40	Vertical
3	10513.3333	44.65	38.72	-36.29	47.08	88.20	41.12	Vertical
4	12941.6667	43.29	39.83	-34.85	48.27	88.20	39.93	Vertical
5	17813.6667	41.15	41.16	-30.42	51.89	74.00	22.11	Vertical
6	17990.6667	31.98	41.67	-30.75	42.90	54.00	11.10	Vertical

11ax(HE20)_TX_CH_001_Horizontal



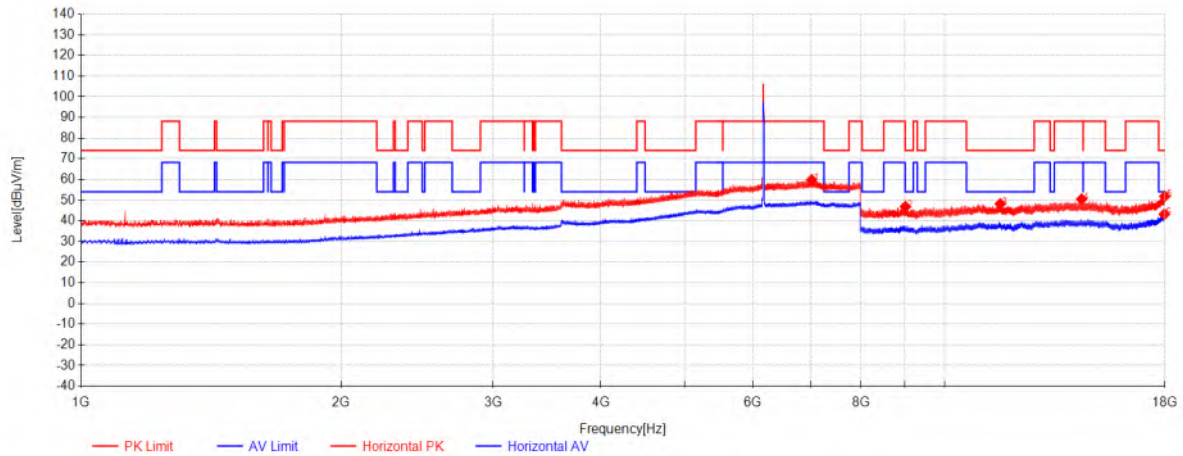
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7021.75	40.29	36.30	-17.28	59.31	88.20	28.89	Horizontal
2	8592.3333	47.24	37.71	-39.15	45.80	88.20	42.40	Horizontal
3	10981.3333	45.21	39.28	-35.71	48.77	74.00	25.23	Horizontal
4	13746.3333	44.07	40.27	-34.85	49.50	88.20	38.70	Horizontal
5	17982.6667	41.01	41.65	-30.78	51.88	74.00	22.12	Horizontal
6	17998	32.19	41.69	-30.73	43.16	54.00	10.84	Horizontal

11ax(HE20)_TX_CH_001_Vertical



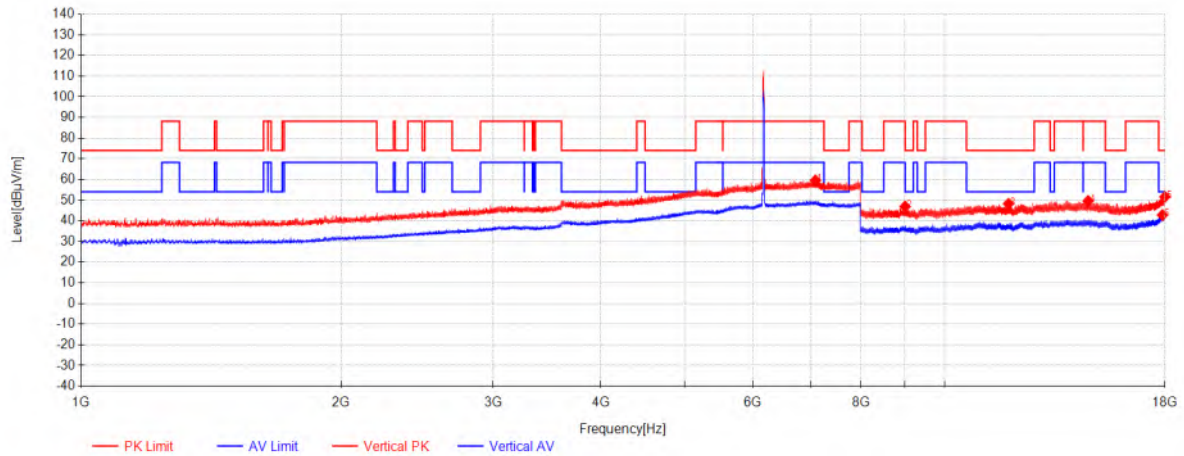
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7017.8125	40.53	36.30	-17.28	59.55	88.20	28.65	Vertical
2	9023.3333	46.88	38.00	-38.69	46.19	74.00	27.81	Vertical
3	10408	45.03	38.59	-36.37	47.25	88.20	40.95	Vertical
4	13873.6667	43.64	40.34	-34.46	49.52	88.20	38.68	Vertical
5	17837	40.84	41.23	-30.59	51.48	74.00	22.52	Vertical
6	17846.6667	32.36	41.26	-30.66	42.96	54.00	11.04	Vertical

11ax(HE20)_TX_CH_045_Horizontal



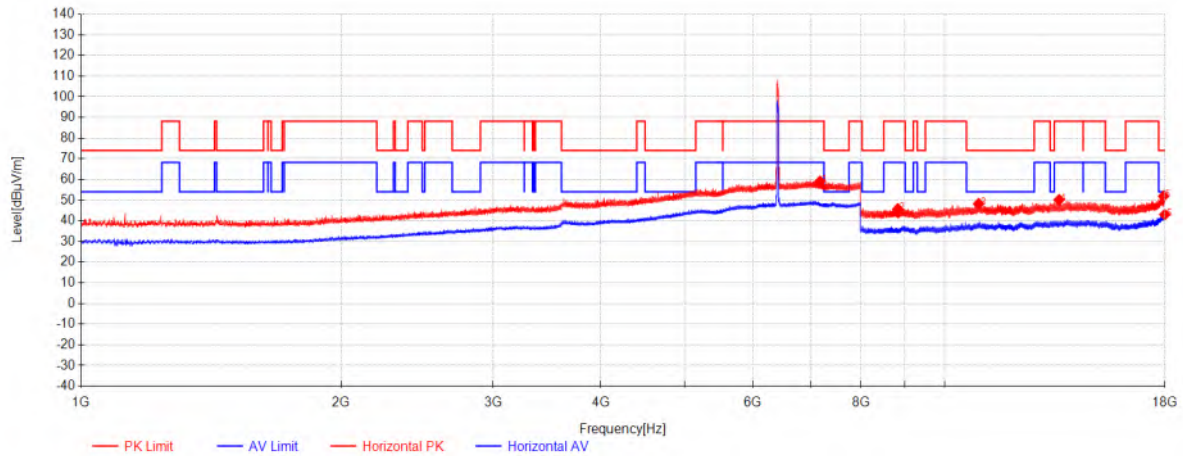
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7014.75	40.77	36.30	-17.28	59.79	88.20	28.41	Horizontal
2	9006.3333	47.40	38.00	-38.57	46.83	74.00	27.17	Horizontal
3	11600.3333	43.96	38.94	-34.74	48.16	74.00	25.84	Horizontal
4	14409.3333	44.11	40.15	-33.83	50.44	88.20	37.76	Horizontal
5	17987.3333	40.95	41.66	-30.76	51.85	74.00	22.15	Horizontal
6	17963.3333	32.38	41.59	-30.84	43.14	54.00	10.86	Horizontal

11ax(HE20)_TX_CH_045_Vertical



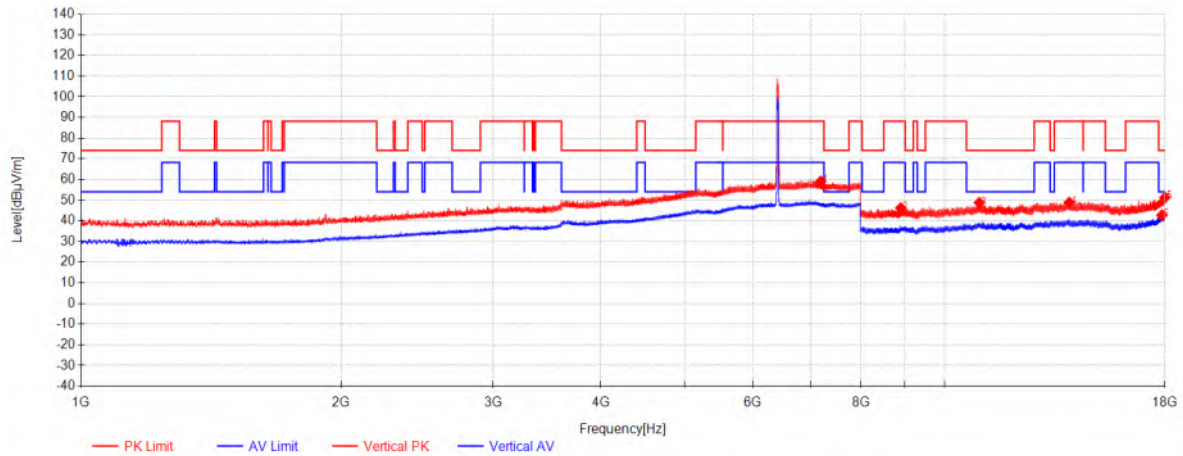
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7085.1875	40.55	36.30	-17.30	59.55	88.20	28.65	Vertical
2	8998	47.46	38.00	-38.54	46.92	88.20	41.28	Vertical
3	11857.3333	44.47	38.79	-35.04	48.22	74.00	25.78	Vertical
4	14663.3333	43.39	40.00	-33.80	49.59	88.20	38.61	Vertical
5	17993.6667	40.63	41.68	-30.74	51.57	74.00	22.43	Vertical
6	17875.3333	32.30	41.34	-30.86	42.78	54.00	11.22	Vertical

11ax(HE20)_TX_CH_093_Horizontal



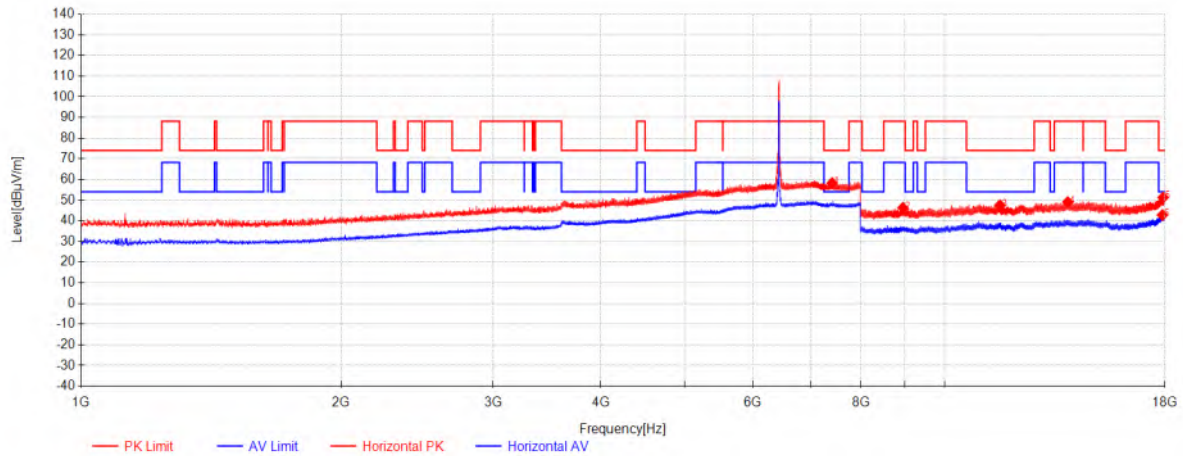
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7173.125	40.51	36.30	-17.73	59.08	88.20	29.12	Horizontal
2	8826.3333	46.96	37.88	-39.11	45.73	88.20	42.47	Horizontal
3	10952.3333	44.80	39.24	-35.81	48.23	74.00	25.77	Horizontal
4	13571.3333	44.30	40.19	-34.38	50.11	88.20	38.09	Horizontal
5	17930.3333	41.34	41.50	-30.94	51.90	74.00	22.10	Horizontal
6	17986	32.10	41.66	-30.76	42.99	54.00	11.01	Horizontal

11ax(HE20)_TX_CH_093_Vertical



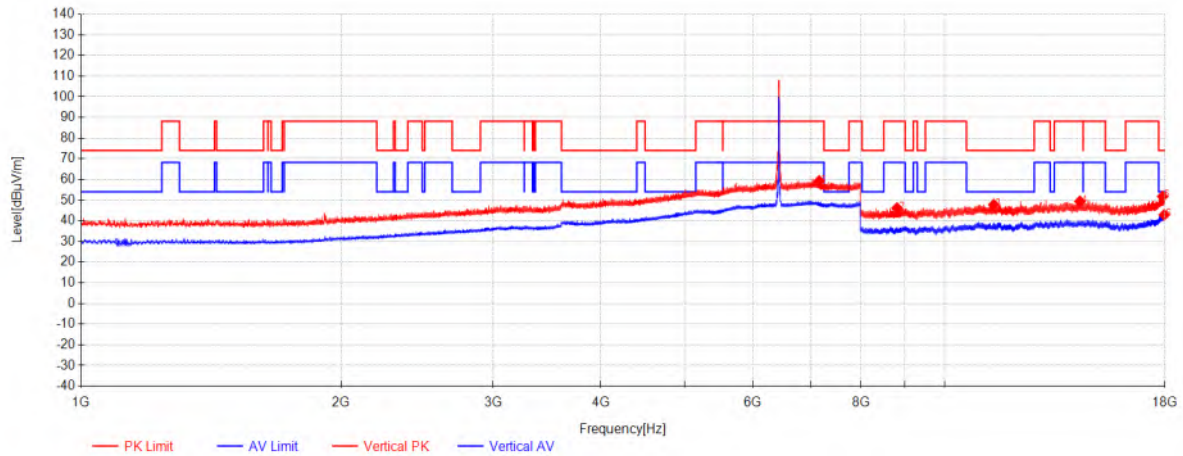
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7187.5625	40.54	36.30	-17.81	59.03	88.20	29.17	Vertical
2	8897.3333	47.29	37.93	-39.02	46.19	88.20	42.01	Vertical
3	10968.6667	45.21	39.26	-35.76	48.72	74.00	25.28	Vertical
4	13941.6667	43.05	40.37	-34.60	48.82	88.20	39.38	Vertical
5	17996	40.32	41.69	-30.73	51.28	74.00	22.72	Vertical
6	17848.6667	32.10	41.26	-30.67	42.69	54.00	11.31	Vertical

11ax(HE20)_TX_CH_097_Horizontal



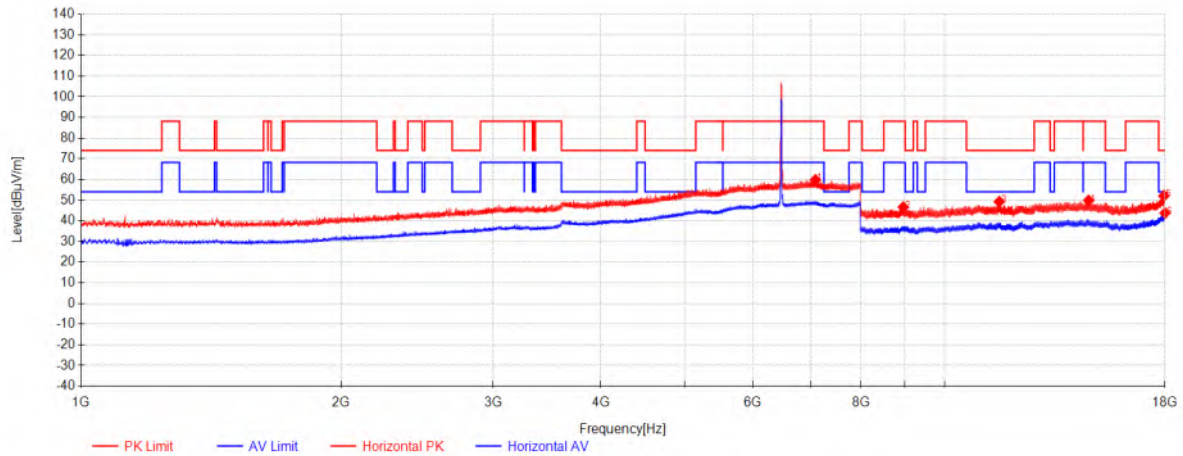
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7408.9375	39.76	36.30	-17.79	58.27	74.00	15.73	Horizontal
2	8948	47.11	37.96	-38.78	46.29	88.20	41.91	Horizontal
3	11587	43.47	38.95	-34.87	47.55	74.00	26.45	Horizontal
4	13888.3333	43.08	40.34	-34.38	49.05	88.20	39.15	Horizontal
5	17908	40.83	41.43	-31.01	51.25	74.00	22.75	Horizontal
6	17874.6667	32.30	41.34	-30.86	42.78	54.00	11.22	Horizontal

11ax(HE20)_TX_CH_097_Vertical



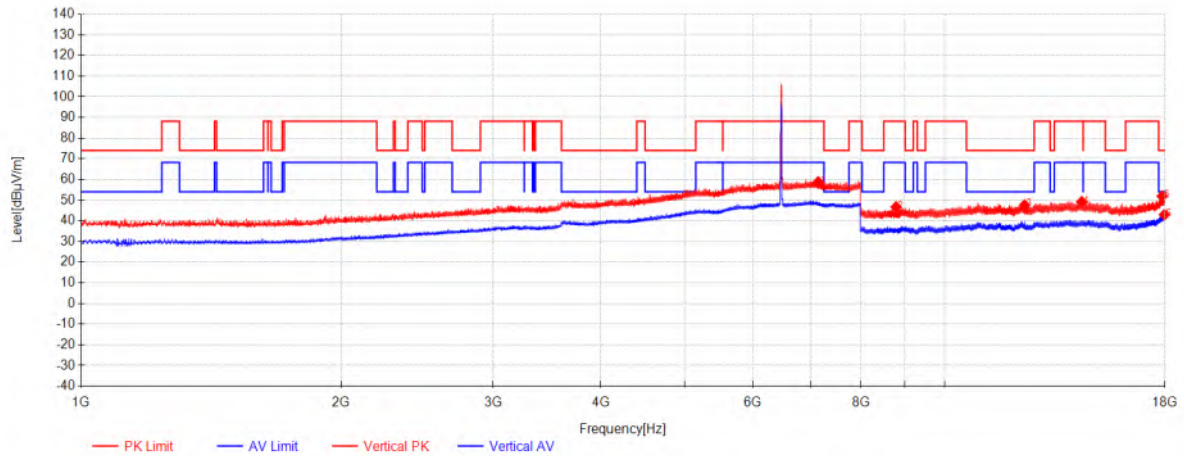
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7156.0625	40.62	36.30	-17.63	59.29	88.20	28.91	Vertical
2	8808	47.37	37.87	-39.13	46.11	88.20	42.09	Vertical
3	11400.3333	44.62	39.06	-35.89	47.79	74.00	26.21	Vertical
4	14343	43.38	40.19	-34.17	49.40	88.20	38.80	Vertical
5	17884.3333	41.31	41.36	-30.93	51.75	74.00	22.25	Vertical
6	17962	32.12	41.59	-30.84	42.87	54.00	11.13	Vertical

11ax(HE20)_TX_CH_105_Horizontal



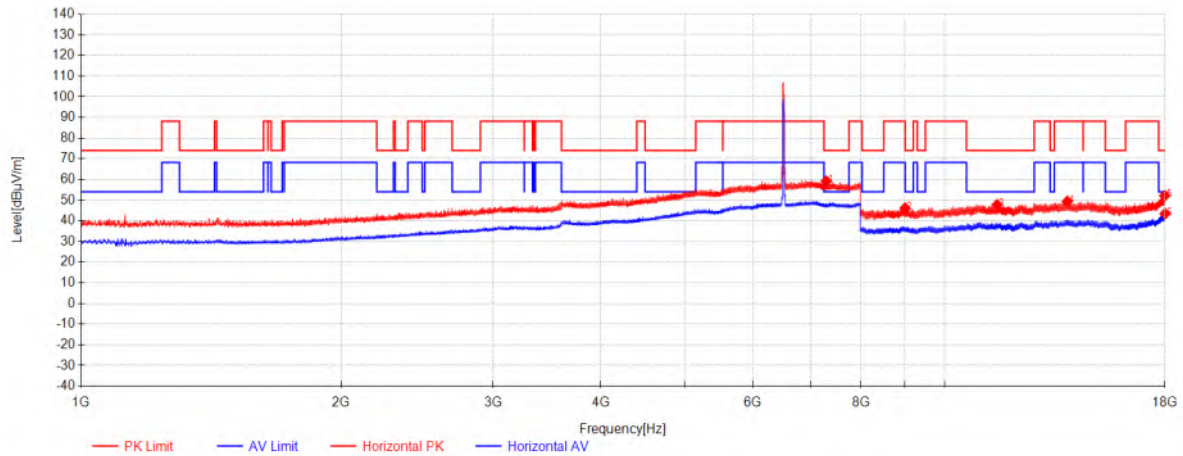
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7084.75	40.77	36.30	-17.30	59.77	88.20	28.43	Horizontal
2	8955	47.40	37.97	-38.75	46.62	88.20	41.58	Horizontal
3	11568.3333	45.35	38.96	-35.05	49.26	74.00	24.74	Horizontal
4	14680	43.54	39.99	-33.68	49.85	88.20	38.35	Horizontal
5	17944.3333	41.41	41.54	-30.90	52.05	74.00	21.95	Horizontal
6	17996.3333	32.81	41.69	-30.73	43.77	54.00	10.23	Horizontal

11ax(HE20)_TX_CH_105_Vertical



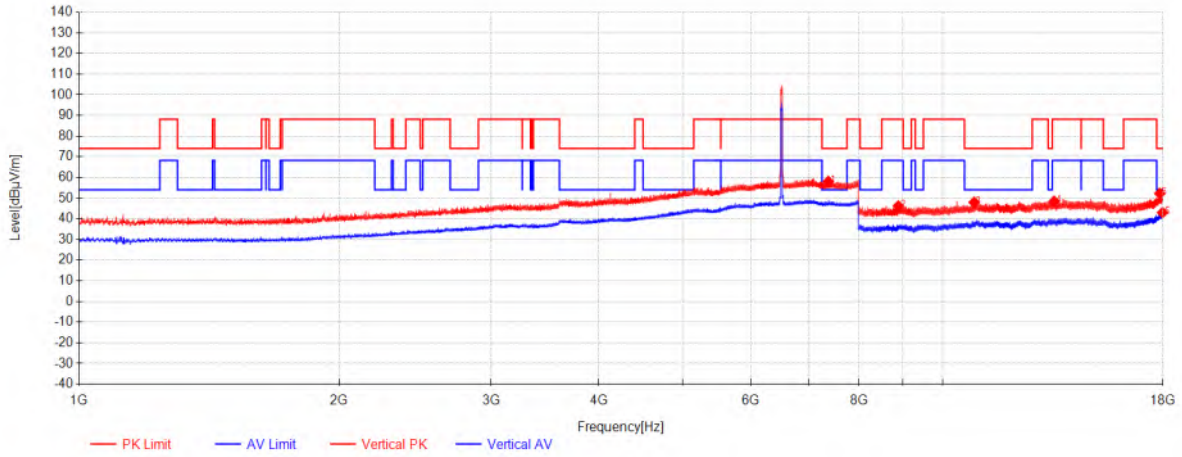
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7137.6875	39.98	36.30	-17.52	58.76	88.20	29.44	Vertical
2	8785	47.99	37.85	-39.16	46.68	88.20	41.52	Vertical
3	12376	43.27	39.15	-34.85	47.58	74.00	26.42	Vertical
4	14412	42.88	40.15	-33.85	49.18	88.20	39.02	Vertical
5	17864.3333	41.37	41.31	-30.78	51.89	74.00	22.11	Vertical
6	17972	32.11	41.62	-30.81	42.92	54.00	11.08	Vertical

11ax(HE20)_TX_CH_113_Horizontal



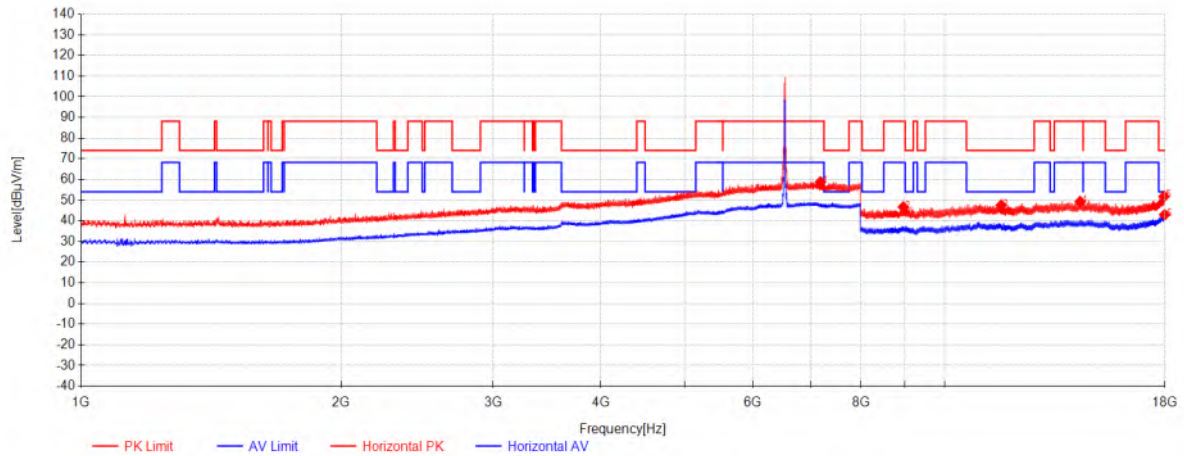
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7293.4375	40.64	36.30	-17.76	59.18	74.00	14.82	Horizontal
2	9000.3333	46.62	38.00	-38.53	46.09	74.00	27.91	Horizontal
3	11502	44.42	39.00	-35.69	47.73	74.00	26.27	Horizontal
4	13872	43.49	40.34	-34.47	49.36	88.20	38.84	Horizontal
5	17982	41.28	41.65	-30.78	52.15	74.00	21.85	Horizontal
6	17999.6667	32.44	41.70	-30.72	43.42	54.00	10.58	Horizontal

11ax(HE20)_TX_CH_113_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7373.0625	39.50	36.30	-17.75	58.05	74.00	15.95	Vertical
2	8887	47.31	37.92	-39.04	46.20	88.20	42.00	Vertical
3	10876	44.88	39.15	-36.10	47.94	74.00	26.06	Vertical
4	13463	42.97	40.13	-34.65	48.45	88.20	39.75	Vertical
5	17844.3333	41.59	41.25	-30.64	52.20	74.00	21.80	Vertical
6	17973.6667	32.15	41.62	-30.80	42.97	54.00	11.03	Vertical

11ax(HE20)_TX_CH_117_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7180.5625	40.24	36.30	-17.77	58.77	88.20	29.43	Horizontal
2	8956.3333	47.41	37.97	-38.74	46.64	88.20	41.56	Horizontal
3	11627.6667	43.52	38.92	-34.97	47.48	74.00	26.52	Horizontal
4	14353.6667	43.15	40.19	-34.09	49.25	88.20	38.95	Horizontal
5	17953.3333	41.06	41.56	-30.87	51.76	74.00	22.24	Horizontal
6	17982.3333	32.06	41.65	-30.78	42.93	54.00	11.07	Horizontal