

TEST REPORT

EUT Description	2x2 Wi-Fi and BT, M.2 1216 adapter card
Brand Name	Intel® AX211D2W
Model Name	AX211D2W
FCC ID / IC ID	PD9AX211D2 ; 1000M-AX211D2
Date of Test Start/End	2020-12-08 / 2026-01-30
Features	2x2 Wi-Fi - Bluetooth® (see section 5)
Applicant	Intel Corporation SAS
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Contact Person	Benjamin Lavenant
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Reference Standards	FCC CFR Title 47 Part 15 E RSS-248 issue 3, RSS-Gen issue 5 - A1 (see section 1)
Test Report identification	241030-03.TR02
Revision Control	Rev. 02 This test report revision replaces any previous test report revision (see section 8)

The test results relate only to the samples tested.
Reference to accreditation shall be used only by full reproduction of test report.

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1. Standards, reference documents and applicable test methods

FCC	1. FCC Title 47 eCFR part 15 – Subpart E - Unlicensed National Information Infrastructure Devices. 2024-10-01 edition 2. FCC OET KDB 987594 D01 U-NII 6GHz General Requirements v03 3. FCC OET KDB 987594 D02 U-NII 6 GHz EMC Measurement v03 4. FCC OET KDB 987594 D03 U-NII 6 GHz QA v03 5. FCC OET KDB 987594 D04 UN6GHZ Pre-Approval Guidance Checklist v03 6. FCC OET KDB 789033 D02 v02r01 - General U-NII Test Procedures New Rules – Guidelines for compliance testing of Unlicensed National Information Infrastructure (U-NII) Devices. 7. FCC OET KDB 662911 D01 v02r01 - Emissions Testing of Transmitters with Multiple Outputs in the Same Band. 8. ANSI C63.10-2020 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.
ISED	1. RSS-248 Issue 3 - Radio Local Area Network (RLAN) Devices operating in the 5925-7125 MHz band. 2. RSS-Gen Issue 5 Amendment 1 - General Requirements for Compliance of Radio Apparatus. 3. FCC OET KDB 987594 D01 U-NII 6GHz General Requirements v03 4. FCC OET KDB 987594 D02 U-NII 6 GHz EMC Measurement v03 5. FCC OET KDB 987594 D03 U-NII 6 GHz QA v03 6. ANSI C63.10-2020 + Cor 2023+Amd 2024 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

Choose a building block.

2. General conditions, competences and guarantees

- ✓ Tests performed under FCC standards identified in section 1 are covered by A2LA accreditation.
- ✓ Tests performed under ISED standards identified in section 1 are covered by Cofrac accreditation.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2017 laboratory accredited by the American Association for Laboratory Accreditation (A2LA) with the certificate number 3478.01.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm recognized by the FCC, with Designation Number FR0011.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2017 testing laboratory accredited by the French Committee for Accreditation (Cofrac) with the certificate number 1-6736.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is a Registered Test Site listed by ISED, with ISED #1000Y and CAB identifier FR0005.
- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.
- ✓ This report does not imply an approval of the product by the Certification Bodies or competent Authorities.

3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

Temperature	Min: 22.23°C Max: 24.94°C Average: 24.10°C
Humidity	Min: 29.31% Max: 52.45% Average: 43.28%

4. Test samples

Sample	Control #	Description	Model	Serial #	Date of receipt
#01	201120-03.S03	WiFi 6E Module	AX211D2W	WFM: D8F8834C251B	2020-11-23
	200611-01.S11	xVT CRF SNJ Extender Board	PCB00651_01	-	2020-11-30
	200904-01.S09	Laptop	HP (HSN-I42C)	000075059H	2020-09-21
#02	201120-03.S09	WiFi 6E Module	AX211D2W	WFM:DF8834E4C92	2020-11-23
	200102-01.S03	Extender	ADEXELEC	-	2020-01-02
	200611-01.S06	Adaptor	PowerBy SNJ A4	-	2020-11-30
	200602-03.S06	Absorber	MCS0	-	2020-07-03
	180000-01.S05	Socket	Adapter 1216SD to M.2	-	2017-08-09
	170801-01.S10	Laptop	Latitude E7470	7KNOXF2	2017-09-08
	200611-03.S22	Antenna 6-7 GHz	WRF-BR-PIFA- V3.2	-	2020-07-20
	200611-03.S23	Antenna 6-7 GHz	WRF-BR-PIFA- V3.2	-	2020-07-20

5. EUT Features

The herein information is provided by the customer

Intel WRF Lab declines any responsibility for the accuracy of the stated customer provided information, especially if it has any impact on the correctness of test results presented in this report.

Brand Name	Intel® AX211D2W		
Model Name	AX211D2W		
Software Version	DRTU.05726.99.0.86		
Driver Version	99.0.86.3		
Supported Radios	802.11b/g/n/ax 2.4GHz 802.11a/n/ac/ax 5.2GHz 5.6GHz 5.8GHz 6.0GHz Bluetooth 2.4GHz 802.11b/g/n/ax 2.4GHz		
Antenna Information	Transmitter	Ant A/1/Aux Main SISO Mode	Ant B/2/Aux/Main SISO Mode
	Manufacturer	Intel	Intel
	PIFA antenna	PIFA antenna	PIFA antenna
	SN	NA	NA
	Declared Antenna gain (dBi)	+5.59	+5.59
MIMO mode signal: Completely uncorrelated.			
Additional information	The EUT class is Very Low Power (6VL)		

6. Remarks and comments

1. No deviations were made from the test methods listed in section 1 of this report
2. TPC test not applicable as the PSD on the device never transmits above -11 dBm/MHz

7. Test Verdicts summary

The statement of conformity to applicable standards in the table below are based on the measured values, without taking into account the measurement uncertainties.

7.1. 802.11 ax – U-NII-5 to U-NII-8

FCC part	RSS clause	Test name	Verdict
15.407 (a) (10)	RSS-248 Clause 4.4	Occupied Bandwidth	P
15.407 (a) (9)	RSS-248 Clause 4.5	Maximum output power	P
15.407 (a) (9)	RSS-248 Clause 4.5	Power spectral density	P
15.407 (b) (5)	RSS-248 Clause 4.6	Undesirable emissions limits: out of band (conducted)	P
15.407 (b) (6)	RSS-248 Clause 4.6	In-Band Emissions (Mask)	P
15.407 (d) (6)	RSS-248 Clause 4.7	Contention based protocol	P
15.407(g)	RSS-Gen Issue 5 Amendment 1 – clause 6.11	Frequency Stability	P
15.407 (b) (5) 15.209	-	Undesirable emissions limits (radiated)	P

P: Pass

F: Fail

NM: Not Measured

NA: Not Applicable

8. Document Revision History

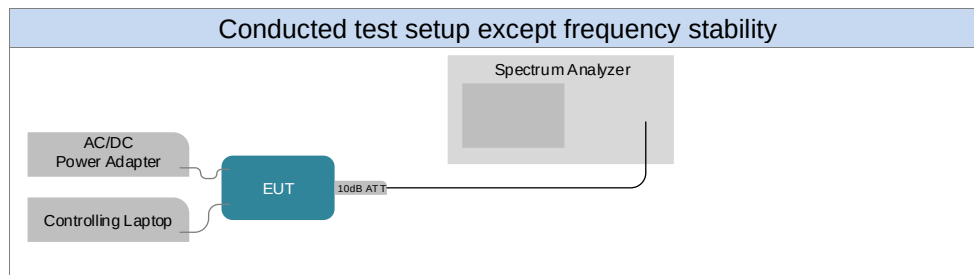
Revision #	Modified by	Revision Details
Rev. 00	T. MATHIEU	First Issue
Rev.01	Z.OUACHICHA	Modifications to Sections 6, 7 and Annex B of the Report (B2.2), upon customer request
Rev.02	T.GAMAIN	Updated Antenna Gain value and performed retest to ensure EIRP Transmit Power remains below 8dBm and EIRP PSD remains below -11dBm/MHz

Annex A. Test & System Description

A.1 Measurement System

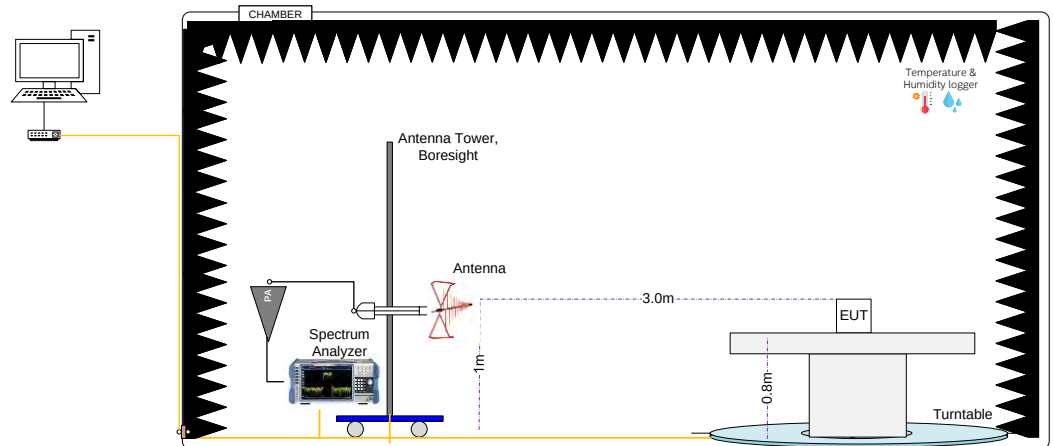
Measurements were performed using these following setup.

The DUT was installed in a test fixture and this test fixture is connected to a laptop computer and AC/DC power adapter. The laptop computer was used to configure the EUT to continuously transmit at a specified output power using all different modes and modulation schemes, using the Intel proprietary tool DRTU.

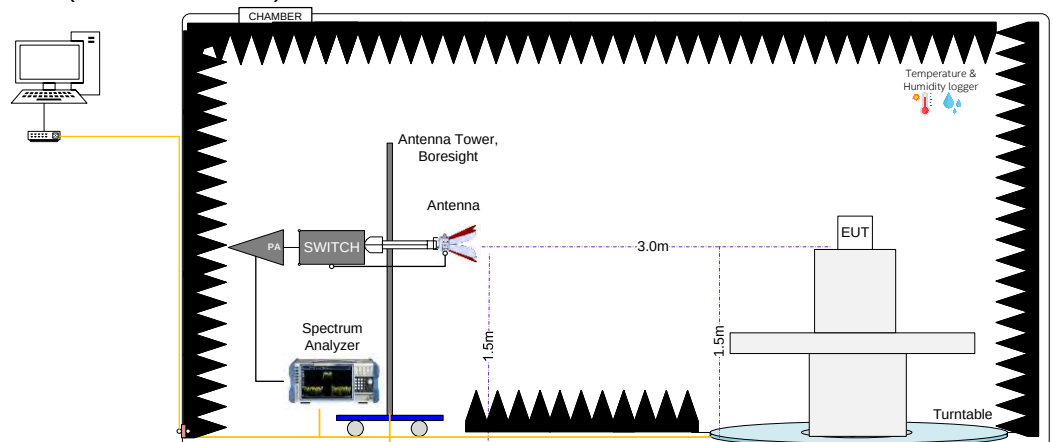


Radiated test setup

Radiated Setup 30MHz - 1GHz (Transmitter tests)



Radiated Setup 1GHz – 11GHz (Transmitter tests)



A.2 Test Equipment List

Conducted setup except frequency stability

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
134-000*	Spectrum Analyzer	FSV30	103308	Rohde & Schwarz	2023-07-26	2025-07-26
017-003	Power supply	E3640A	MY40006885	Agilent	NA	NA
017-002	Multimeter	34401A	US36065790	HP	2024-03-07	2026-03-07
019-000	RF cable 50cm	PE360-50	N/A	PASTERNAK	2025-02-24	2026-02-24
019-002	10dB Attenuator + MH4	N/A	N/A	N/A	2025-02-24	2026-02-24
094-004	Temp & Humidity Logger	RMS-HCD-S	24050483	ROTRONIC	2024-09-02	2026-09-02
413-000	Measurement SW v1.5.4.2	Octopi	N/A	Step AT	N/A	N/A

*Equipment not used outside of calibration period

N/A: not applicable

Radiated Setup #1

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0135*	Anechoic Chamber	FACT3	5720	ETS-Lindgren	2020-07-06	2022-01-07
0136	Turn Table	ETS	-	ETS-Lindgren	N/A	N/A
0147	Switch & Positioning systems	EMC Center	00159757	ETS-Lindgren	N/A	N/A
0530	Measurement SW	EMC32, v10.40.10	100623	Rohde & Schwarz	N/A	N/A
1033	Boresight antenna mast	BAM 4.0-P	P/278/2890.01	Maturo	N/A	N/A
1076*	Spectrum Analyzer	FSW43	101847	Rohde & Schwarz	2020-11-02	2022-11-02
0993*	Biconical antenna 30 MHz – 1 GHz	UBAA9115 BBVU9135 DGA9552N	+ + 0286 + CH 9044	Schwarzbeck	2019-11-22	2021-11-22
0325*	Horn antenna	3117	00157734	ETS-Lindgren	2019-08-12	2021-08-12
0248*	Horn Antenna 3117 + Amplifier + HPF9.5	3117	00167062+00169546	ETS-Lindgren	2020-04-01	2022-04-01
0334*	Double-Ridged Waveguide Horn with Pre-Amplifier 18 GHz to 40 GHz	3116C+PA	00169308bis + 00196308	ETS-Lindgren	2019-07-24	2021-07-24
0859*	Cable 2.5m - 30MHz to 18GHz	0500990992500KE	19.23.395	Radiall	2020-11-27	2021-05-27
0206*	Cable 1.2m – 18 to 40 GHz	UFA147A-0-0480- 200200	MFR 64639223720- 003	Micro-coax	2020-08-25	2021-02-25
0263*	Cable 1m - 1GHz to 18GHz	UFA147A	-	Utilflex	2020-08-25	2021-02-25
0369*	Cable 2m - 26.5GHz to 40GHz	794-9191-2000A	E00327	Atem	2020-08-25	2021-02-25
0371*	Cable 1m – 30 MHz - 18GHz	UFB311A-0-0590- 50U50U	MFR 64639 223230- 001	Micro-coax	2020-08-25	2021-02-25
1099*	Cable 7m DC-18 GHz	0501051057000GX	19.35.850	Radiall	2020-11-27	2021-05-27
0809*	Cable 7m - 18GHz to 40GHz	R286304009	-	Radiall	2020-08-25	2021-02-25
1098*	Cable 1.5m - DC-18GHz	CBL-1.5M-SMSM+	202879	Mini-Circuits	2020-11-27	2021-05-27
0797*	Temp & Humidity Logger	RA12E-TH1-RAS	RA12-D0EB1A	Avtech	2019-07-04	2021-07-04

*Equipment not used outside of calibration period

N/A: Not Applicable

Radiated Setup #2

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0337*	Anechoic chamber	RFD-FA-100	5996	ETS Lindgren	2020-07-06	2022-07-06
0238	Switch & Positioner	EMCenter	00151232	ETS Lindgren	N/A	N/A
0382	Antenna Tower	2171B-3.0M	00150123	ETS Lindgren	N/A	N/A
0383	Turntable	-	-	ETS Lindgren	N/A	N/A
0329	Measurement SW,	EMC32 v10.50.10	100401	Rohde & Schwarz	N/A	N/A
0133*	Spectrum Analyzer	FSV40	101358	Rohde & Schwarz	2020-02-25	2022-02-25
0138*	Double Ridge Horn (1- 18GHz)	3117	00152266	ETS Lindgren	2020-03-08	2022-03-08
0248*	Horn Antenna 3117 + Amplifier + HPF9.5	3117	00167062+00169546	ETS-Lindgren	2020-04-01	2022-04-01
0334*	Double Horn Ridged antenna	3116C-PA	00169308bis + 00196308	ETS-Lindgren	2019-07-24	2021-07-24

0871*	RF Cable 1-18GHz, 1.5 m	0501050991200GX	19.21.710	Radiall	2020-08-20	2021-02-20
0860*	RF Cable 1-18GHz, 1.2 m	2301761761200PJ	12.22.1104	Radiall	2020-08-20	2021-02-20
0275*	RF Cable 1-18GHz - 6.5m	140-8500-11-51	001	Spectrum	2020-08-20	2021-02-20
0684*	RF Cable 1GHz-18GHz 1.5m	-	-	Spirent	2020-08-20	2021-02-20
0679*	RF Cable 18-40 GHz 6m	R286304009	1747364	Radiall	2020-08-20	2021-02-20
0028*	RF Cable 1.2m 40MHz-40GHz	794-9191-1200A	DA585	Atem	2020-08-20	2021-02-20
0725*	RF Cable 1-9.5GHz 1.2m	0500990991200KE	-	Radiall	2020-08-20	2021-02-20
0796*	Temp & Humidity Logger	RA12E-TH1-RAS	RA12-D4F316	Avtech	2019-07-05	2021-07-05

*Equipment not used outside of calibration period

N/A: Not Applicable

Shared Radiated Equipment

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0616*	Power Sensor	NRP-Z81	104385	Rohde & Schwarz	2020-04-08	2022-04-08
0617*	Power Sensor	NRP-Z81	104386	Rohde & Schwarz	2020-04-08	2022-04-08
0618*	Power Sensor	NRP-Z81	104382	Rohde & Schwarz	2020-04-08	2022-04-08

*Equipment not used outside of calibration period

A.3 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the table below with a coverage factor of $k = 2$ to indicate a 95% level of confidence:

Measurement type	Uncertainty	Unit
Timing	± 0.12	%
Power Spectral density	± 1.47	dB
Frequency stability	± 53.0	ppm
Occupied bandwidth	± 2.07	%
Conducted Power	± 1.03	dB
Temperature	± 0.52	°C
Supply voltages	$< \pm 0.01$	%
Conducted Spurious Emission <26.5 GHz	± 2.93	dB
Contention Based Protocol	± 1.36	dB
Radiated tests <1GHz	± 6.33	dB
Radiated tests 1GHz – 40 GHz	± 6.72	dB

Annex B. Test Results

The herein test results were performed by:

Test case measurement	Test Personnel
Maximum output power	T. MATHIEU, T.GAMAIN
26dB and 99% Bandwidth measurement	T. MATHIEU
Maximum power spectral density	T. MATHIEU, T.GAMAIN
Frequency stability	T. MATHIEU
Undesirable emissions limits: out of band (conducted)	T. MATHIEU
In-Band Emissions Mask	T. MATHIEU
Contention-based Protocol	T. MATHIEU
Radiated spurious emissions	K. RIDA

B.1 Test Conditions

For 802.11ax20 (20 MHz channel bandwidth), 802.11ax40 (40MHz channel bandwidth), 802.11ax80 (80MHz channel bandwidth), 802.11ax160 (160MHz channel bandwidth) and 802.11be320 (320MHz channel bandwidth) modes the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, and also simultaneously.

The following data rates were selected based on preliminary testing that identified those rates as the worst cases for output power and spurious levels at the band edges:

Transmission	Mode	Bandwidth (MHz)	Worst Case Data Rate
SISO/MIMO	802.11ax	20/40/80/160	MCS0

B.2 Test Results Tables

B.2.1 26dB & 99% Bandwidth

Test limits

FCC part	RSS part	Limits
15.407 (a) (10)	RSS-248 Clause 4.4	The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure the 26dB & 99% bandwidth. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

See Annex C.1.1 for the screenshot results¹

Results tables

According to FCC guidance, the 26 dB bandwidth has been applied for all channels below 320MHz. For 320MHz, the 99% bandwidth has been used.

Max value

Maximum bandwidth value highlighted per mode and channel bandwidth over uninterrupted UNII-5 – 8 bands

¹ Only the worst-case plots per mode and channel bandwidth were reported over uninterrupted UNII-5 – 8 bands

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	26dB BW [MHz]	99% BW [MHz]
UNII5	802.11ax20	1	5955	MCS0	FullBW	SISO A	25.62	19.12
	802.11ax20	1	5955	MCS0	FullBW	SISO B	25.69	19.12
	802.11ax20	1	5955	MCS0	FullBW	MIMO A	25.83	19.12
	802.11ax20	1	5955	MCS0	FullBW	MIMO B	25.83	19.20
	802.11ax20	45	6175	MCS0	FullBW	SISO A	25.83	19.04
	802.11ax20	45	6175	MCS0	FullBW	SISO B	25.34	19.20
	802.11ax20	45	6175	MCS0	FullBW	MIMO A	24.78	19.08
	802.11ax20	45	6175	MCS0	FullBW	MIMO B	25.06	19.20
	802.11ax20	93	6415	MCS0	FullBW	SISO A	25.34	19.04
	802.11ax20	93	6415	MCS0	FullBW	SISO B	25.13	19.00
	802.11ax20	93	6415	MCS0	FullBW	MIMO A	24.99	19.04
	802.11ax20	93	6415	MCS0	FullBW	MIMO B	24.78	19.04
	802.11ax40	3	5965	MCS0	FullBW	SISO A	46.20	37.84
	802.11ax40	3	5965	MCS0	FullBW	SISO B	46.97	37.84
	802.11ax40	3	5965	MCS0	FullBW	MIMO A	45.76	38.00
	802.11ax40	3	5965	MCS0	FullBW	MIMO B	46.31	37.92
	802.11ax40	43	6165	MCS0	FullBW	SISO A	46.31	37.92
	802.11ax40	43	6165	MCS0	FullBW	SISO B	45.98	37.92
	802.11ax40	43	6165	MCS0	FullBW	MIMO A	45.21	38.00
	802.11ax40	43	6165	MCS0	FullBW	MIMO B	44.99	37.92
	802.11ax40	91	6405	MCS0	FullBW	SISO A	46.20	38.16
	802.11ax40	91	6405	MCS0	FullBW	SISO B	45.98	38.08
	802.11ax40	91	6405	MCS0	FullBW	MIMO A	45.54	37.92
	802.11ax40	91	6405	MCS0	FullBW	MIMO B	46.31	38.00
	802.11ax80	7	5985	MCS0	FullBW	SISO A	84.93	76.68
	802.11ax80	7	5985	MCS0	FullBW	SISO B	84.55	76.92
	802.11ax80	7	5985	MCS0	FullBW	MIMO A	83.79	76.80
	802.11ax80	7	5985	MCS0	FullBW	MIMO B	84.36	76.68
	802.11ax80	39	6145	MCS0	FullBW	SISO A	83.98	76.68
	802.11ax80	39	6145	MCS0	FullBW	SISO B	84.17	76.68
	802.11ax80	39	6145	MCS0	FullBW	MIMO A	83.79	76.68
	802.11ax80	39	6145	MCS0	FullBW	MIMO B	84.55	76.68
	802.11ax80	87	6385	MCS0	FullBW	SISO A	84.17	76.80
	802.11ax80	87	6385	MCS0	FullBW	SISO B	83.60	76.56
	802.11ax80	87	6385	MCS0	FullBW	MIMO A	84.17	76.80
	802.11ax80	87	6385	MCS0	FullBW	MIMO B	82.84	76.68
	802.11ax160	15	6025	MCS0	FullBW	SISO A	164.15	154.00
	802.11ax160	15	6025	MCS0	FullBW	SISO B	164.85	154.25
	802.11ax160	15	6025	MCS0	FullBW	MIMO A	164.15	154.25
	802.11ax160	15	6025	MCS0	FullBW	MIMO B	164.50	154.00
	802.11ax160	79	6345	MCS0	FullBW	SISO A	164.40	153.75
	802.11ax160	79	6345	MCS0	FullBW	SISO B	165.20	153.75
	802.11ax160	79	6345	MCS0	FullBW	MIMO A	164.40	153.75
	802.11ax160	79	6345	MCS0	FullBW	MIMO B	164.40	153.25

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	26dB BW [MHz]	99% BW [MHz]
UNII6	802.11ax20	97	6435	MCS0	FullBW	SISO A	24.50	19.04
	802.11ax20	97	6435	MCS0	FullBW	SISO B	25.20	19.12
	802.11ax20	97	6435	MCS0	FullBW	MIMO A	25.76	19.08
	802.11ax20	97	6435	MCS0	FullBW	MIMO B	25.34	19.08
	802.11ax20	105	6475	MCS0	FullBW	SISO A	24.92	19.08
	802.11ax20	105	6475	MCS0	FullBW	SISO B	25.34	19.12
	802.11ax20	105	6475	MCS0	FullBW	MIMO A	25.20	19.04
	802.11ax20	105	6475	MCS0	FullBW	MIMO B	25.27	19.20
	802.11ax20	113	6515	MCS0	FullBW	SISO A	24.99	19.08
	802.11ax20	113	6515	MCS0	FullBW	SISO B	25.76	19.04
	802.11ax20	113	6515	MCS0	FullBW	MIMO A	25.06	19.00
	802.11ax20	113	6515	MCS0	FullBW	MIMO B	26.39	19.08
	802.11ax40	99	6445	MCS0	FullBW	SISO A	46.42	38.00
	802.11ax40	99	6445	MCS0	FullBW	SISO B	45.87	38.16
	802.11ax40	99	6445	MCS0	FullBW	MIMO A	46.31	37.92
	802.11ax40	99	6445	MCS0	FullBW	MIMO B	45.87	37.92
	802.11ax40	107	6485	MCS0	FullBW	SISO A	46.75	38.00
	802.11ax40	107	6485	MCS0	FullBW	SISO B	45.43	37.84
	802.11ax40	107	6485	MCS0	FullBW	MIMO A	46.42	37.84
	802.11ax40	107	6485	MCS0	FullBW	MIMO B	46.09	38.08
	802.11ax80	103	6465	MCS0	FullBW	SISO A	84.36	76.68
	802.11ax80	103	6465	MCS0	FullBW	SISO B	83.79	76.68
	802.11ax80	103	6465	MCS0	FullBW	MIMO A	85.12	76.80
	802.11ax80	103	6465	MCS0	FullBW	MIMO B	83.79	76.80
	802.11ax80	119	6545	MCS0	FullBW	SISO A	84.17	76.92
	802.11ax80	119	6545	MCS0	FullBW	SISO B	84.55	76.80
	802.11ax80	119	6545	MCS0	FullBW	MIMO A	85.88	76.68
	802.11ax80	119	6545	MCS0	FullBW	MIMO B	83.79	76.68
	802.11ax160	111	6505	MCS0	FullBW	SISO A	164.40	154.00
	802.11ax160	111	6505	MCS0	FullBW	SISO B	164.40	154.00
	802.11ax160	111	6505	MCS0	FullBW	MIMO A	164.40	154.00
	802.11ax160	111	6505	MCS0	FullBW	MIMO B	164.00	153.75

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	26dB BW [MHz]	99% BW [MHz]
UNII7	802.11ax20	117	6535	MCS0	FullBW	SISO A	25.83	19.08
	802.11ax20	117	6535	MCS0	FullBW	SISO B	25.41	19.16
	802.11ax20	117	6535	MCS0	FullBW	MIMO A	25.76	19.04
	802.11ax20	117	6535	MCS0	FullBW	MIMO B	24.99	19.00
	802.11ax20	149	6695	MCS0	FullBW	SISO A	25.27	19.04
	802.11ax20	149	6695	MCS0	FullBW	SISO B	25.48	19.20
	802.11ax20	149	6695	MCS0	FullBW	MIMO A	25.83	19.12
	802.11ax20	149	6695	MCS0	FullBW	MIMO B	25.13	19.28
	802.11ax20	181	6855	MCS0	FullBW	SISO A	26.04	19.12
	802.11ax20	181	6855	MCS0	FullBW	SISO B	25.20	19.08
	802.11ax20	181	6855	MCS0	FullBW	MIMO A	25.20	19.20
	802.11ax20	181	6855	MCS0	FullBW	MIMO B	25.90	19.08
	802.11ax40	123	6565	MCS0	FullBW	SISO A	45.21	37.92
	802.11ax40	123	6565	MCS0	FullBW	SISO B	46.20	37.92
	802.11ax40	123	6565	MCS0	FullBW	MIMO A	45.76	37.92
	802.11ax40	123	6565	MCS0	FullBW	MIMO B	46.97	37.92
	802.11ax40	123	6685	MCS0	FullBW	SISO A	46.86	37.84
	802.11ax40	147	6685	MCS0	FullBW	SISO B	45.87	38.00
	802.11ax40	147	6685	MCS0	FullBW	MIMO A	46.09	38.40
	802.11ax40	147	6685	MCS0	FullBW	MIMO B	46.20	37.84
	802.11ax40	179	6845	MCS0	FullBW	SISO A	45.76	38.00
	802.11ax40	179	6845	MCS0	FullBW	SISO B	45.76	38.00
	802.11ax40	179	6845	MCS0	FullBW	MIMO A	45.76	37.92
	802.11ax40	179	6845	MCS0	FullBW	MIMO B	45.76	38.00
	802.11ax80	135	6625	MCS0	FullBW	SISO A	83.60	76.68
	802.11ax80	135	6625	MCS0	FullBW	SISO B	83.79	76.80
	802.11ax80	135	6625	MCS0	FullBW	MIMO A	83.60	76.68
	802.11ax80	135	6625	MCS0	FullBW	MIMO B	83.41	76.56
	802.11ax80	167	6785	MCS0	FullBW	SISO A	84.55	76.80
	802.11ax80	167	6785	MCS0	FullBW	SISO B	83.60	76.68
	802.11ax80	167	6785	MCS0	FullBW	MIMO A	83.60	76.92
	802.11ax80	167	6785	MCS0	FullBW	MIMO B	84.36	76.68
	802.11ax160	143	6665	MCS0	FullBW	SISO A	164.80	154.56
	802.11ax160	143	6665	MCS0	FullBW	SISO B	164.40	153.93
	802.11ax160	143	6665	MCS0	FullBW	MIMO A	164.40	154.14
	802.11ax160	143	6665	MCS0	FullBW	MIMO B	164.00	153.93

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	26dB BW [MHz]	99% BW [MHz]
UNII8	802.11ax20	185	6875	MCS0	FullBW	SISO A	25.20	19.04
	802.11ax20	185	6875	MCS0	FullBW	SISO B	24.78	19.24
	802.11ax20	185	6875	MCS0	FullBW	MIMO A	25.06	19.16
	802.11ax20	185	6875	MCS0	FullBW	MIMO B	25.62	19.04
	802.11ax20	209	6995	MCS0	FullBW	SISO A	24.57	19.08
	802.11ax20	209	6995	MCS0	FullBW	SISO B	25.13	19.12
	802.11ax20	209	6995	MCS0	FullBW	MIMO A	25.76	19.08
	802.11ax20	209	6995	MCS0	FullBW	MIMO B	25.34	19.08
	802.11ax20	229	7095	MCS0	FullBW	SISO A	25.41	19.04
	802.11ax20	229	7095	MCS0	FullBW	SISO B	25.13	19.04
	802.11ax20	229	7095	MCS0	FullBW	MIMO A	25.13	19.04
	802.11ax20	229	7095	MCS0	FullBW	MIMO B	25.13	19.12
	802.11ax20	233	7115	MCS0	FullBW	SISO A	25.06	19.12
	802.11ax20	233	7115	MCS0	FullBW	SISO B	25.27	19.08
	802.11ax20	233	7115	MCS0	FullBW	MIMO A	25.06	19.04
	802.11ax20	233	7115	MCS0	FullBW	MIMO B	25.55	19.08
	802.11ax40	187	6885	MCS0	FullBW	SISO A	47.74	37.92
	802.11ax40	187	6885	MCS0	FullBW	SISO B	45.76	38.08
	802.11ax40	187	6885	MCS0	FullBW	MIMO A	45.43	38.08
	802.11ax40	187	6885	MCS0	FullBW	MIMO B	48.07	37.84
	802.11ax40	227	7085	MCS0	FullBW	SISO A	45.43	37.92
	802.11ax40	227	7085	MCS0	FullBW	SISO B	45.76	37.92
	802.11ax40	227	7085	MCS0	FullBW	MIMO A	45.76	37.84
	802.11ax40	227	7085	MCS0	FullBW	MIMO B	44.99	38.00
	802.11ax80	183	6865	MCS0	FullBW	SISO A	85.12	76.68
	802.11ax80	183	6865	MCS0	FullBW	SISO B	83.98	76.68
	802.11ax80	183	6865	MCS0	FullBW	MIMO A	86.07	76.68
	802.11ax80	183	6865	MCS0	FullBW	MIMO B	84.93	76.56
	802.11ax80	199	6945	MCS0	FullBW	SISO A	83.60	76.80
	802.11ax80	199	6945	MCS0	FullBW	SISO B	83.41	76.80
	802.11ax80	199	6945	MCS0	FullBW	MIMO A	84.36	76.92
	802.11ax80	199	6945	MCS0	FullBW	MIMO B	84.17	76.68
	802.11ax80	215	7025	MCS0	FullBW	SISO A	84.55	76.56
	802.11ax80	215	7025	MCS0	FullBW	SISO B	83.41	76.68
	802.11ax80	215	7025	MCS0	FullBW	MIMO A	83.03	76.68
	802.11ax80	215	7025	MCS0	FullBW	MIMO B	85.31	76.68
	802.11ax160	207	6985	MCS0	FullBW	SISO A	163.60	154.00
	802.11ax160	207	6985	MCS0	FullBW	SISO B	164.40	154.00
	802.11ax160	207	6985	MCS0	FullBW	MIMO A	164.00	153.75
	802.11ax160	207	6985	MCS0	FullBW	MIMO B	163.20	154.00

NA: Not Applicable

B.2.2 Maximum Output power & Maximum power spectral Density

Test limits

FCC part	RSS part	Limits
15.407 (a) (9)	-	For very low power devices operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands: - the maximum power spectral density must not exceed -5 dBm e.i.r.p in any 1-megahertz band - the maximum e.i.r.p must not exceed 14 dBm.
-	RSS-248 Clause 4.2	The following frequency bands of operation shall apply to RLAN devices: 5925-7125 MHz for very low-power devices
-	RSS-248 Clause 4.5.6	Both of the following limits shall apply to very low-power devices: a. the maximum e.i.r.p. spectral density shall not exceed -5 dBm/MHz b. the maximum e.i.r.p. shall not exceed 14 dBm

Test procedure

The Maximum Conducted Output Power was measured using the channel integration method over the entire 99% occupied bandwidth according to section E) 2) d) (Method SA-2) of KDB 789033

The maximum power spectral density (PSD) was measured using the method according to section F) (Method SA-2) of KDB 789033

In the *measure-and-sum* approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device. When MIMO mode is running each single antenna conducted output power is reduced by 3dBi such that MIMO mode does not exceed the output of a single chain in SISO mode. $SISO\ A\ pwr = SISO\ B\ pwr = MIMO\ pwr\ (1/2\ A\ pwr + 1/2\ B\ pwr)$.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain (+5.02dBi) to the measured conducted power in accordance with KDB 662911 D01 v02r01. All transmit signals are completely uncorrelated with each other. Therefore, Directional gain = GANT = +5.02 dBi.

Per KDB 662911 D01 v02r01: MIMO Spacial diversity applies as completely uncorrelated, neither beamforming, whether fixed or adaptative, nor Cyclic Delay Diversity (CDD) technique are used. For further details, refer to 'MIMO Theory of Operation' document.

The conducted setup shown in section *Test & System Description* was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyser through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

See Annex C.1.2 for the screenshot results.

Results tables

Duty cycle

Mode	Rate	Antenna	Duty Cycle [%]
802.11ax20	MCS0	SISO A	98.00
		SISO B	98.00
		MIMO A	98.00
		MIMO B	98.00
802.11ax40	MCS0	SISO A	98.00
		SISO B	98.00
		MIMO A	98.00
		MIMO B	98.00
802.11ax80	MCS0	SISO A	98.00
		SISO B	98.00
		MIMO A	97.10
		MIMO B	97.10
802.11ax160	MCS0	SISO A	97.10
		SISO B	97.10
		MIMO A	94.00
		MIMO B	94.00

- (1) Value compensated with the duty cycle
(2) **Max/Min** value highlighted per bandwidth

Maximum output power

UNII5

UNII	Mode	BW [MHz]	Rate	Ch#	Freq [MHz]	RU config	Chain	Ouput Power [dBm]	Max ⁽¹⁾ Ouput Power [dBm]	Antenn a Gain (dBi)	Max ⁽¹⁾ EIRP [dBm]	Max ⁽¹⁾ Outpu t Power [mW]	Max ⁽¹⁾ EIRP [mW]
UNII5	802.11ax	20	MCS0	1	5955	Full BW	SISO A	-5.27	-5.27	5.59	0.32	0.30	1.08
							SISO B	-5.93	-5.93		-0.34	0.26	0.92
							MIMO A	-8.35	-8.35		-2.76	0.15	0.53
							MIMO B	-8.44	-8.44		-2.85	0.14	0.52
							Combined A+B	-5.38	-5.38		0.21	0.29	1.05
				SISO A	-5.07		-5.07	0.52	0.31		1.13		
				SISO B	-5.07		-5.07	0.52	0.31		1.13		
				MIMO A	-7.92		-7.92	-2.33	0.16		0.58		
				MIMO B	-7.98		-7.98	-2.39	0.16		0.58		
				Combined A+B	-4.94		-4.94	0.65	0.32		1.16		
				SISO A	-4.99		-4.99	0.60	0.32		1.15		
				SISO B	-5.52		-5.52	0.07	0.28		1.02		
				MIMO A	-7.80		-7.80	-2.21	0.17		0.60		
				MIMO B	-8.20		-8.20	-2.61	0.15		0.55		
				Combined A+B	-4.99		-4.99	0.60	0.32		1.15		
	802.11ax	40	MCS0	3	5965	Full BW	SISO A	-1.84	-1.84		3.75	0.65	2.37
							SISO B	-3.55	-3.55		2.04	0.44	1.60
							MIMO A	-5.11	-5.11		0.48	0.31	1.12
							MIMO B	-5.03	-5.03		0.56	0.31	1.14
							Combined A+B	-2.06	-2.06		3.53	0.62	2.25
				SISO A	-2.21		-2.21	3.38	0.60		2.18		
				SISO B	-2.91		-2.91	2.68	0.51		1.85		
				MIMO A	-5.21		-5.21	0.38	0.30		1.09		
				MIMO B	-4.90		-4.90	0.69	0.32		1.17		
				Combined A+B	-2.04		-2.04	3.55	0.62		2.26		
				SISO A	-2.36		-2.36	3.23	0.58		2.10		
				SISO B	-2.45		-2.45	3.14	0.57		2.06		
				MIMO A	-4.99		-4.99	0.60	0.32		1.15		
				MIMO B	-5.15		-5.15	0.44	0.31		1.11		
				Combined A+B	-2.06		-2.06	3.53	0.62		2.25		
	802.11ax	80	MCS0	7	5985	Full BW	SISO A	-0.63	-0.63		4.96	0.86	3.13
							SISO B	-0.78	-0.78		4.81	0.84	3.03
							MIMO A	-2.96	-2.83		2.76	0.52	1.89
							MIMO B	-2.74	-2.61		2.98	0.55	1.99
							Combined A+B	0.16	0.29		5.88	1.07	3.87
				SISO A	-1.09		-1.09	4.50	0.78		2.82		
				SISO B	-0.92		-0.92	4.67	0.81		2.93		
				MIMO A	-2.47		-2.34	3.25	0.58		2.11		
				MIMO B	-2.70		-2.57	3.02	0.55		2.00		
				Combined A+B	0.43		0.55	6.14	1.14		4.12		
				SISO A	0.25		0.25	5.84	1.06		3.84		
				SISO B	-0.84		-0.84	4.75	0.82		2.99		
				MIMO A	-2.95		-2.82	2.77	0.52		1.89		
				MIMO B	-2.72		-2.59	3.00	0.55		1.99		

UNII	Mode	BW [MHz]	Rate	Ch#	Freq [MHz]	RU config	Chain	Ouput Power [dBm]	Max ⁽¹⁾ Ouput Power [dBm]	Antenn a Gain (dBi)	Max ⁽¹⁾ EIRP [dBm]	Max ⁽¹⁾ Outpu t Power [mW]	Max ⁽¹⁾ EIRP [mW]
	802.11ax	160	MCS0	15	6025	Full BW	Combined A+B	0.18	0.30		5.89	1.07	3.89
							SISO A	2.19	2.32		7.91	1.71	6.18
							SISO B	2.19	2.32		7.91	1.71	6.18
							MIMO A	-0.68	-0.41		5.18	0.91	3.30
							MIMO B	-1.14	-0.87		4.72	0.82	2.96
							Combined A+B	2.11	2.38		7.97	1.73	6.26
				79	6345		SISO A	2.26	2.39		7.98	1.73	6.28
							SISO B	2.19	2.32		7.91	1.71	6.18
							MIMO A	-1.22	-0.95		4.64	0.80	2.91
							MIMO B	-0.87	-0.60		4.99	0.87	3.15
							Combined A+B	1.97	2.24		7.83	1.67	6.06

UNII6

UNII	Mode	BW [MHz]	Rate	Ch#	Freq [MHz]	RU config	Chain	Ouput Power [dBm]	Max ⁽¹⁾ Ouput Power [dBm]	Antenn a Gain (dBi)	Max ⁽¹⁾ EIRP [dBm]	Max ⁽¹⁾ Output Power [mW]	Max ⁽¹⁾ EIRP [mW]
UNII6	802.11ax	20	MCS0	97	6435	Full BW	SISO A	-4.83	-4.83	5.59	0.76	0.33	1.19
							SISO B	-5.27	-5.27		0.32	0.30	1.08
							MIMO A	-8.02	-8.02		-2.43	0.16	0.57
							MIMO B	-7.97	-7.97		-2.38	0.16	0.58
							Combined A+B	-4.98	-4.98		0.61	0.32	1.15
				SISO A	-5.18		-5.18	0.41	0.30		1.10		
				SISO B	-5.22		-5.22	0.37	0.30		1.09		
				MIMO A	-7.94		-7.94	-2.35	0.16		0.58		
				MIMO B	-8.17		-8.17	-2.58	0.15		0.55		
				Combined A+B	-5.04		-5.04	0.55	0.31		1.13		
				SISO A	-5.13		-5.13	0.46	0.31		1.11		
				SISO B	-4.81		-4.81	0.78	0.33		1.20		
				MIMO A	-8.08		-8.08	-2.49	0.16		0.56		
				MIMO B	-8.19		-8.19	-2.60	0.15		0.55		
				Combined A+B	-5.12		-5.12	0.47	0.31		1.11		
	802.11ax	40	MCS0	99	6445	Full BW	SISO A	-2.06	-2.06		3.53	0.62	2.25
							SISO B	-2.63	-2.63		2.96	0.55	1.98
							MIMO A	-4.96	-4.96		0.63	0.32	1.16
							MIMO B	-5.08	-5.08		0.51	0.31	1.12
							Combined A+B	-2.01	-2.01		3.58	0.63	2.28
				SISO A	-2.11		-2.11	3.48	0.62		2.23		
				SISO B	-2.61		-2.61	2.98	0.55		1.99		
				MIMO A	-5.01		-5.01	0.58	0.32		1.14		
				MIMO B	-5.13		-5.13	0.46	0.31		1.11		
	Combined A+B	-2.06	-2.06	3.53	0.62	2.25							
	802.11ax	80	MCS0	103	6465	Full BW	SISO A	-0.51	-0.51		5.08	0.89	3.22
							SISO B	-0.78	-0.78		4.81	0.84	3.03
							MIMO A	-2.62	-2.49		3.10	0.56	2.04
							MIMO B	-2.77	-2.64		2.95	0.54	1.97
							Combined A+B	0.32	0.44		6.03	1.11	4.01
				SISO A	-0.77	-0.77	4.82	0.84	3.03				
				SISO B	-0.75	-0.75	4.84	0.84	3.05				
				MIMO A	-2.70	-2.57	3.02	0.55	2.00				
				MIMO B	-2.63	-2.50	3.09	0.56	2.04				
				Combined A+B	0.35	0.47	6.06	1.12	4.04				
	802.11ax	160	MCS0	111	6505	Full BW	SISO A	2.24	2.37		7.96	1.72	6.25
							SISO B	2.16	2.29		7.88	1.69	6.13
							MIMO A	-1.17	-0.90		4.69	0.81	2.94
							MIMO B	-0.85	-0.58		5.01	0.87	3.17
							Combined A+B	2.00	2.27		7.86	1.69	6.11

UNII7

UNII	Mode	BW [MHz]	Rate	Ch#	Freq [MHz]	RU config	Chain	Output Power [dBm]	Max ⁽¹⁾ Output Power [dBm]	Antenn a Gain (dBi)	Max ⁽¹⁾ EIRP [dBm]	Max ⁽¹⁾ Output Power [mW]	Max ⁽¹⁾ EIRP [mW]
UNII7	802.11ax	20	MCS0	117	6535	Full BW	SISO A	-5.17	-5.17	5.59	0.42	0.30	1.10
							SISO B	-4.94	-4.94		0.65	0.32	1.16
							MIMO A	-8.09	-8.09		-2.50	0.16	0.56
							MIMO B	-8.13	-8.13		-2.54	0.15	0.56
							Combined A+B	-5.10	-5.10		0.49	0.31	1.12
				SISO A	-5.10		-5.10	0.49	0.31		1.12		
				SISO B	-5.27		-5.27	0.32	0.30		1.08		
				MIMO A	-8.74		-8.74	-3.15	0.13		0.48		
				MIMO B	-8.01		-8.01	-2.42	0.16		0.57		
				Combined A+B	-5.35		-5.35	0.24	0.29		1.06		
				SISO A	-5.12		-5.12	0.47	0.31		1.11		
				SISO B	-5.72		-5.72	-0.13	0.27		0.97		
				MIMO A	-8.31		-8.31	-2.72	0.15		0.53		
				MIMO B	-7.85		-7.85	-2.26	0.16		0.59		
				Combined A+B	-5.06		-5.06	0.53	0.31		1.13		
		40	MCS0	123	6565	Full BW	SISO A	-1.92	-1.92		3.67	0.64	2.33
							SISO B	-1.93	-1.93		3.66	0.64	2.32
							MIMO A	-4.89	-4.89		0.70	0.32	1.17
							MIMO B	-4.94	-4.94		0.65	0.32	1.16
							Combined A+B	-1.90	-1.90		3.69	0.64	2.34
				SISO A	-2.58		-2.58	3.01	0.55		2.00		
				SISO B	-2.13		-2.13	3.46	0.61		2.22		
				MIMO A	-5.13		-5.13	0.46	0.31		1.11		
				MIMO B	-5.16		-5.16	0.43	0.30		1.10		
				Combined A+B	-2.13		-2.13	3.46	0.61		2.22		
				SISO A	-2.71		-2.71	2.88	0.54		1.94		
				SISO B	-2.53		-2.53	3.06	0.56		2.02		
				MIMO A	-5.00		-5.00	0.59	0.32		1.15		
				MIMO B	-5.06		-5.06	0.53	0.31		1.13		
				Combined A+B	-2.02		-2.02	3.57	0.63		2.28		
		80	MCS0	135	6625	Full BW	SISO A	-0.34	-0.34		5.25	0.92	3.35
							SISO B	-0.86	-0.86		4.73	0.82	2.97
							MIMO A	-3.17	-3.04		2.55	0.50	1.80
							MIMO B	-2.91	-2.78		2.81	0.53	1.91
							Combined A+B	-0.03	0.10		5.69	1.02	3.71
				SISO A	-0.83		-0.83	4.76	0.83		2.99		
				SISO B	-0.64		-0.64	4.95	0.86		3.13		
				MIMO A	-2.97		-2.84	2.75	0.52		1.88		
				MIMO B	-4.47		-4.34	1.25	0.37		1.33		
				Combined A+B	-0.65		-0.52	5.07	0.89		3.22		
		160	MCS0	143	6665	Full BW	SISO A	2.27	2.40		7.99	1.74	6.29
							SISO B	2.20	2.33		7.92	1.71	6.19
							MIMO A	-1.04	-0.77		4.82	0.84	3.03
							MIMO B	-1.08	-0.81		4.78	0.83	3.01
							Combined A+B	1.95	2.22		7.81	1.67	6.04

UNI18

UNII	Mode	BW [MHz]	Rate	Ch#	Freq [MHz]	RU config	Chain	Ouput Power [dBm]	Max ⁽¹⁾ Ouput Power [dBm]	Antenn a Gain (dBi)	Max ⁽¹⁾ EIRP [dBm]	Max ⁽¹⁾ Output Power [mW]	Max ⁽¹⁾ EIRP [mW]
UNII8	802.11ax	20	MCS0	185	6875	Full BW	SISO A	-5.40	-5.40	5.59	0.19	0.29	1.04
							SISO B	-6.03	-6.03		-0.44	0.25	0.90
							MIMO A	-7.95	-7.95		-2.36	0.16	0.58
							MIMO B	-7.97	-7.97		-2.38	0.16	0.58
							Combined A+B	-4.95	-4.95		0.64	0.32	1.16
				SISO A	-4.84		-4.84	0.75	0.33		1.19		
				SISO B	-5.25		-5.25	0.34	0.30		1.08		
				MIMO A	-7.79		-7.79	-2.20	0.17		0.60		
				MIMO B	-7.66		-7.66	-2.07	0.17		0.62		
				Combined A+B	-4.71		-4.71	0.88	0.34		1.22		
				SISO A	-4.94		-4.94	0.65	0.32		1.16		
				SISO B	-4.79		-4.79	0.80	0.33		1.20		
				MIMO A	-7.69		-7.69	-2.10	0.17		0.62		
				MIMO B	-8.14		-8.14	-2.55	0.15		0.56		
				Combined A+B	-4.90		-4.90	0.69	0.32		1.17		
				SISO A	-4.69		-4.69	0.90	0.34		1.23		
				SISO B	-5.03		-5.03	0.56	0.31		1.14		
				MIMO A	-7.81		-7.81	-2.22	0.17		0.60		
				MIMO B	-8.55		-8.55	-2.96	0.14		0.51		
				Combined A+B	-5.15		-5.15	0.44	0.31		1.11		
	802.11ax	40	MCS0	187	6885	Full BW	SISO A	-2.70	-2.70		2.89	0.54	1.95
							SISO B	-3.02	-3.02		2.57	0.50	1.81
							MIMO A	-4.94	-4.94		0.65	0.32	1.16
							MIMO B	-5.03	-5.03		0.56	0.31	1.14
							Combined A+B	-1.97	-1.97		3.62	0.63	2.30
				SISO A	-1.67		-1.67	3.92	0.68		2.47		
				SISO B	-2.90		-2.90	2.69	0.51		1.86		
				MIMO A	-4.72		-4.72	0.87	0.34		1.22		
				MIMO B	-4.76		-4.76	0.83	0.33		1.21		
				Combined A+B	-1.73		-1.73	3.86	0.67		2.43		
	802.11ax	80	MCS0	183	6865	Full BW	SISO A	-0.74	-0.74		4.85	0.84	3.05
							SISO B	-0.70	-0.70		4.89	0.85	3.08
							MIMO A	-3.62	-3.49		2.10	0.45	1.62
							MIMO B	-2.71	-2.58		3.01	0.55	2.00
							Combined A+B	-0.13	0.00		5.59	1.00	3.62
				SISO A	0.69		0.69	6.28	1.17		4.25		
				SISO B	0.84		0.84	6.43	1.21		4.40		
				MIMO A	-2.34		-2.21	3.38	0.60		2.18		
				MIMO B	-2.44		-2.31	3.28	0.59		2.13		
				Combined A+B	0.62		0.75	6.34	1.19		4.30		
				SISO A	-0.46		-0.46	5.13	0.90		3.26		
				SISO B	-0.58		-0.58	5.01	0.87		3.17		
				MIMO A	-2.71		-2.58	3.01	0.55		2.00		
				MIMO B	-2.25		-2.12	3.47	0.61		2.22		
				Combined A+B	0.54		0.66	6.25	1.17		4.22		

UNI	Mode	BW [MHz]	Rate	Ch#	Freq [MHz]	RU config	Chain	Ouput Power [dBm]	Max ⁽¹⁾ Ouput Power [dBm]	Antenn a Gain (dBi)	Max ⁽¹⁾ EIRP [dBm]	Max ⁽¹⁾ Output Power [mW]	Max ⁽¹⁾ EIRP [mW]
	802.11ax	160	MCS0	207	6985	Full BW	SISO A	2.24	2.37		7.96	1.72	6.25
							SISO B	2.13	2.26		7.85	1.68	6.09
							MIMO A	-1.48	-1.21		4.38	0.76	2.74
							MIMO B	-0.50	-0.23		5.36	0.95	3.43
							Combined A+B	2.05	2.32		7.91	1.70	6.18

Maximum Power Spectral Density (PSD)

UNII5

UNII	Mode_BW	Rate	Channel	Freq. [MHz]	RU config.	Antenna	PSD [dBm/MHz]	Max ⁽¹⁾ PSD [dBm/MHz]	Antenna Gain (dBi)	Max ⁽¹⁾ PSD EIRP [dBm/MHz]
UNII5	802.11ax20	MCS0	1	5955	FullBW	SISO A	-17.02	-17.02	5.59	-11.43
UNII5	802.11ax20	MCS0	1	5955	FullBW	SISO B	-17.81	-17.81		-12.22
UNII5	802.11ax20	MCS0	1	5955	FullBW	MIMO A	-20.10	-20.10		-14.51
UNII5	802.11ax20	MCS0	1	5955	FullBW	MIMO B	-20.20	-20.20		-14.61
UNII5	802.11ax20	MCS0	1	5955	FullBW	Combined A+B	-17.14	-17.14		-11.55
UNII5	802.11ax20	MCS0	45	6175	FullBW	SISO A	-16.99	-16.99		-11.40
UNII5	802.11ax20	MCS0	45	6175	FullBW	SISO B	-16.96	-16.96		-11.37
UNII5	802.11ax20	MCS0	45	6175	FullBW	MIMO A	-19.78	-19.78		-14.19
UNII5	802.11ax20	MCS0	45	6175	FullBW	MIMO B	-19.81	-19.81		-14.22
UNII5	802.11ax20	MCS0	45	6175	FullBW	Combined A+B	-16.78	-16.78		-11.19
UNII5	802.11ax20	MCS0	93	6415	FullBW	SISO A	-16.89	-16.89		-11.30
UNII5	802.11ax20	MCS0	93	6415	FullBW	SISO B	-17.34	-17.34		-11.75
UNII5	802.11ax20	MCS0	93	6415	FullBW	MIMO A	-19.65	-19.65		-14.06
UNII5	802.11ax20	MCS0	93	6415	FullBW	MIMO B	-20.02	-20.02		-14.43
UNII5	802.11ax20	MCS0	93	6415	FullBW	Combined A+B	-16.82	-16.82		-11.23
UNII5	802.11ax40	MCS0	3	5965	FullBW	SISO A	-16.67	-16.67		-11.08
UNII5	802.11ax40	MCS0	3	5965	FullBW	SISO B	-18.40	-18.40		-12.81
UNII5	802.11ax40	MCS0	3	5965	FullBW	MIMO A	-19.85	-19.85		-14.26
UNII5	802.11ax40	MCS0	3	5965	FullBW	MIMO B	-19.82	-19.82		-14.23
UNII5	802.11ax40	MCS0	3	5965	FullBW	Combined A+B	-16.82	-16.82		-11.23
UNII5	802.11ax40	MCS0	43	6165	FullBW	SISO A	-17.03	-17.03		-11.44
UNII5	802.11ax40	MCS0	43	6165	FullBW	SISO B	-17.59	-17.59		-12.00
UNII5	802.11ax40	MCS0	43	6165	FullBW	MIMO A	-20.03	-20.03		-14.44
UNII5	802.11ax40	MCS0	43	6165	FullBW	MIMO B	-19.66	-19.66		-14.07
UNII5	802.11ax40	MCS0	43	6165	FullBW	Combined A+B	-16.83	-16.83		-11.24
UNII5	802.11ax40	MCS0	91	6405	FullBW	SISO A	-17.16	-17.16		-11.57
UNII5	802.11ax40	MCS0	91	6405	FullBW	SISO B	-17.11	-17.11		-11.52
UNII5	802.11ax40	MCS0	91	6405	FullBW	MIMO A	-19.77	-19.77		-14.18
UNII5	802.11ax40	MCS0	91	6405	FullBW	MIMO B	-19.90	-19.90		-14.31
UNII5	802.11ax40	MCS0	91	6405	FullBW	Combined A+B	-16.82	-16.82		-11.23
UNII5	802.11ax80	MCS0	7	5985	FullBW	SISO A	-17.62	-17.62		-12.03
UNII5	802.11ax80	MCS0	7	5985	FullBW	SISO B	-17.96	-17.96		-12.37
UNII5	802.11ax80	MCS0	7	5985	FullBW	MIMO A	-20.04	-19.91		-14.32
UNII5	802.11ax80	MCS0	7	5985	FullBW	MIMO B	-19.87	-19.74		-14.15
UNII5	802.11ax80	MCS0	7	5985	FullBW	Combined A+B	-16.94	-16.82		-11.23
UNII5	802.11ax80	MCS0	39	6145	FullBW	SISO A	-18.12	-18.12		-12.53
UNII5	802.11ax80	MCS0	39	6145	FullBW	SISO B	-18.09	-18.09		-12.50
UNII5	802.11ax80	MCS0	39	6145	FullBW	MIMO A	-19.62	-19.49		-13.90
UNII5	802.11ax80	MCS0	39	6145	FullBW	MIMO B	-19.86	-19.73		-14.14
UNII5	802.11ax80	MCS0	39	6145	FullBW	Combined A+B	-16.73	-16.60		-11.01
UNII5	802.11ax80	MCS0	87	6385	FullBW	SISO A	-16.91	-16.91		-11.32
UNII5	802.11ax80	MCS0	87	6385	FullBW	SISO B	-17.92	-17.92		-12.33
UNII5	802.11ax80	MCS0	87	6385	FullBW	MIMO A	-19.90	-19.77		-14.18
UNII5	802.11ax80	MCS0	87	6385	FullBW	MIMO B	-19.61	-19.48		-13.89
UNII5	802.11ax80	MCS0	87	6385	FullBW	Combined A+B	-16.74	-16.61		-11.02

UNII	Mode_BW	Rate	Channel	Freq. [MHz]	RU config.	Antenna	PSD [dBm/MHz]	Max ⁽¹⁾ PSD [dBm/MHz]	Antenna Gain (dBi)	Max ⁽¹⁾ PSD EIRP [dBm/MHz]
UNII5	802.11ax160	MCS0	15	6025	FullBW	SISO A	-17.35	-17.22		-11.63
UNII5	802.11ax160	MCS0	15	6025	FullBW	SISO B	-17.73	-17.60		-12.01
UNII5	802.11ax160	MCS0	15	6025	FullBW	MIMO A	-20.32	-20.05		-14.46
UNII5	802.11ax160	MCS0	15	6025	FullBW	MIMO B	-20.83	-20.56		-14.97
UNII5	802.11ax160	MCS0	15	6025	FullBW	Combined A+B	-17.56	-17.29		-11.70
UNII5	802.11ax160	MCS0	79	6345	FullBW	SISO A	-16.92	-16.79		-11.20
UNII5	802.11ax160	MCS0	79	6345	FullBW	SISO B	-17.46	-17.33		-11.74
UNII5	802.11ax160	MCS0	79	6345	FullBW	MIMO A	-20.95	-20.68		-15.09
UNII5	802.11ax160	MCS0	79	6345	FullBW	MIMO B	-20.63	-20.36		-14.77
UNII5	802.11ax160	MCS0	79	6345	FullBW	Combined A+B	-17.78	-17.51		-11.92

Value compensated with the duty cycle

UNII6

UNII	Mode_BW	Rate	Channel	Freq. [MHz]	RU config.	Antenna	PSD [dBm/MHz]	Max(1) PSD [dBm/MHz]	Antenna Gain (dBi)	Max(1) PSD EIRP [dBm/MHz]
UNII6	802.11ax20	MCS0	97	6435	FullBW	SISO A	-16.61	-16.61	5.59	-11.02
UNII6	802.11ax20	MCS0	97	6435	FullBW	SISO B	-17.12	-17.12		-11.53
UNII6	802.11ax20	MCS0	97	6435	FullBW	MIMO A	-19.78	-19.78		-14.19
UNII6	802.11ax20	MCS0	97	6435	FullBW	MIMO B	-19.65	-19.65		-14.06
UNII6	802.11ax20	MCS0	97	6435	FullBW	Combined A+B	-16.70	-16.70		-11.11
UNII6	802.11ax20	MCS0	105	6475	FullBW	SISO A	-16.62	-16.62		-11.03
UNII6	802.11ax20	MCS0	105	6475	FullBW	SISO B	-16.97	-16.97		-11.38
UNII6	802.11ax20	MCS0	105	6475	FullBW	MIMO A	-19.70	-19.70		-14.11
UNII6	802.11ax20	MCS0	105	6475	FullBW	MIMO B	-19.85	-19.85		-14.26
UNII6	802.11ax20	MCS0	105	6475	FullBW	Combined A+B	-16.76	-16.76		-11.17
UNII6	802.11ax20	MCS0	113	6515	FullBW	SISO A	-16.94	-16.94		-11.35
UNII6	802.11ax20	MCS0	113	6515	FullBW	SISO B	-16.63	-16.63		-11.04
UNII6	802.11ax20	MCS0	113	6515	FullBW	MIMO A	-19.88	-19.88		-14.29
UNII6	802.11ax20	MCS0	113	6515	FullBW	MIMO B	-20.07	-20.07		-14.48
UNII6	802.11ax20	MCS0	113	6515	FullBW	Combined A+B	-16.96	-16.96		-11.37
UNII6	802.11ax40	MCS0	99	6445	FullBW	SISO A	-16.85	-16.85		-11.26
UNII6	802.11ax40	MCS0	99	6445	FullBW	SISO B	-17.45	-17.45		-11.86
UNII6	802.11ax40	MCS0	99	6445	FullBW	MIMO A	-19.84	-19.84		-14.25
UNII6	802.11ax40	MCS0	99	6445	FullBW	MIMO B	-19.94	-19.94		-14.35
UNII6	802.11ax40	MCS0	99	6445	FullBW	Combined A+B	-16.88	-16.88		-11.29
UNII6	802.11ax40	MCS0	107	6485	FullBW	SISO A	-16.91	-16.91		-11.32
UNII6	802.11ax40	MCS0	107	6485	FullBW	SISO B	-17.43	-17.43		-11.84
UNII6	802.11ax40	MCS0	107	6485	FullBW	MIMO A	-19.80	-19.80		-14.21
UNII6	802.11ax40	MCS0	107	6485	FullBW	MIMO B	-20.05	-20.05		-14.46
UNII6	802.11ax40	MCS0	107	6485	FullBW	Combined A+B	-16.91	-16.91		-11.32
UNII6	802.11ax80	MCS0	103	6465	FullBW	SISO A	-17.71	-17.71		-12.12
UNII6	802.11ax80	MCS0	103	6465	FullBW	SISO B	-17.70	-17.70		-12.11
UNII6	802.11ax80	MCS0	103	6465	FullBW	MIMO A	-19.66	-19.53		-13.94
UNII6	802.11ax80	MCS0	103	6465	FullBW	MIMO B	-19.85	-19.72		-14.13
UNII6	802.11ax80	MCS0	103	6465	FullBW	Combined A+B	-16.74	-16.62		-11.03
UNII6	802.11ax80	MCS0	119	6545	FullBW	SISO A	-17.98	-17.98		-12.39
UNII6	802.11ax80	MCS0	119	6545	FullBW	SISO B	-17.93	-17.93		-12.34
UNII6	802.11ax80	MCS0	119	6545	FullBW	MIMO A	-19.72	-19.59		-14.00
UNII6	802.11ax80	MCS0	119	6545	FullBW	MIMO B	-19.82	-19.69		-14.10
UNII6	802.11ax80	MCS0	119	6545	FullBW	Combined A+B	-16.76	-16.63		-11.04
UNII6	802.11ax160	MCS0	111	6505	FullBW	SISO A	-17.10	-16.97		-11.38
UNII6	802.11ax160	MCS0	111	6505	FullBW	SISO B	-17.48	-17.35		-11.76
UNII6	802.11ax160	MCS0	111	6505	FullBW	MIMO A	-20.82	-20.55		-14.96
UNII6	802.11ax160	MCS0	111	6505	FullBW	MIMO B	-20.47	-20.20		-14.61
UNII6	802.11ax160	MCS0	111	6505	FullBW	Combined A+B	-17.63	-17.36		-11.77

Value compensated with the duty cycle.

UNII7

UNII	Mode_BW	Rate	Channel	Freq. [MHz]	RU config.	Antenna	PSD [dBm/MHz]	Max(1) PSD [dBm/MHz]	Antenna Gain (dBi)	Max(1) PSD EIRP [dBm/MHz]
UNII7	802.11ax20	MCS0	117	6535	FullBW	SISO A	-17.03	-17.03	5.59	-11.44
UNII7	802.11ax20	MCS0	117	6535	FullBW	SISO B	-16.65	-16.65		-11.06
UNII7	802.11ax20	MCS0	117	6535	FullBW	MIMO A	-19.98	-19.98		-14.39
UNII7	802.11ax20	MCS0	117	6535	FullBW	MIMO B	-19.98	-19.98		-14.39
UNII7	802.11ax20	MCS0	117	6535	FullBW	Combined A+B	-16.97	-16.97		-11.38
UNII7	802.11ax20	MCS0	149	6695	FullBW	SISO A	-16.82	-16.82		-11.23
UNII7	802.11ax20	MCS0	149	6695	FullBW	SISO B	-16.77	-16.77		-11.18
UNII7	802.11ax20	MCS0	149	6695	FullBW	MIMO A	-20.53	-20.53		-14.94
UNII7	802.11ax20	MCS0	149	6695	FullBW	MIMO B	-19.67	-19.67		-14.08
UNII7	802.11ax20	MCS0	149	6695	FullBW	Combined A+B	-17.07	-17.07		-11.48
UNII7	802.11ax20	MCS0	181	6855	FullBW	SISO A	-16.95	-16.95		-11.36
UNII7	802.11ax20	MCS0	181	6855	FullBW	SISO B	-17.55	-17.55		-11.96
UNII7	802.11ax20	MCS0	181	6855	FullBW	MIMO A	-20.12	-20.12		-14.53
UNII7	802.11ax20	MCS0	181	6855	FullBW	MIMO B	-19.70	-19.70		-14.11
UNII7	802.11ax20	MCS0	181	6855	FullBW	Combined A+B	-16.89	-16.89		-11.30
UNII7	802.11ax40	MCS0	123	6565	FullBW	SISO A	-16.78	-16.78		-11.19
UNII7	802.11ax40	MCS0	123	6565	FullBW	SISO B	-16.83	-16.83		-11.24
UNII7	802.11ax40	MCS0	123	6565	FullBW	MIMO A	-19.62	-19.62		-14.03
UNII7	802.11ax40	MCS0	123	6565	FullBW	MIMO B	-19.89	-19.89		-14.30
UNII7	802.11ax40	MCS0	123	6565	FullBW	Combined A+B	-16.74	-16.74		-11.15
UNII7	802.11ax40	MCS0	147	6685	FullBW	SISO A	-17.29	-17.29		-11.70
UNII7	802.11ax40	MCS0	147	6685	FullBW	SISO B	-16.88	-16.88		-11.29
UNII7	802.11ax40	MCS0	147	6685	FullBW	MIMO A	-19.96	-19.96		-14.37
UNII7	802.11ax40	MCS0	147	6685	FullBW	MIMO B	-19.73	-19.73		-14.14
UNII7	802.11ax40	MCS0	147	6685	FullBW	Combined A+B	-16.83	-16.83		-11.24
UNII7	802.11ax40	MCS0	179	6845	FullBW	SISO A	-17.54	-17.54		-11.95
UNII7	802.11ax40	MCS0	179	6845	FullBW	SISO B	-17.16	-17.16		-11.57
UNII7	802.11ax40	MCS0	179	6845	FullBW	MIMO A	-19.79	-19.79		-14.20
UNII7	802.11ax40	MCS0	179	6845	FullBW	MIMO B	-19.85	-19.85		-14.26
UNII7	802.11ax40	MCS0	179	6845	FullBW	Combined A+B	-16.81	-16.81		-11.22
UNII7	802.11ax80	MCS0	135	6625	FullBW	SISO A	-17.53	-17.53		-11.94
UNII7	802.11ax80	MCS0	135	6625	FullBW	SISO B	-17.90	-17.90		-12.31
UNII7	802.11ax80	MCS0	135	6625	FullBW	MIMO A	-20.32	-20.19		-14.60
UNII7	802.11ax80	MCS0	135	6625	FullBW	MIMO B	-20.02	-19.89		-14.30
UNII7	802.11ax80	MCS0	135	6625	FullBW	Combined A+B	-17.16	-17.03		-11.44
UNII7	802.11ax80	MCS0	167	6785	FullBW	SISO A	-18.01	-18.01		-12.42
UNII7	802.11ax80	MCS0	167	6785	FullBW	SISO B	-17.82	-17.82		-12.23
UNII7	802.11ax80	MCS0	167	6785	FullBW	MIMO A	-20.16	-20.03		-14.44
UNII7	802.11ax80	MCS0	167	6785	FullBW	MIMO B	-21.55	-21.42		-15.83
UNII7	802.11ax80	MCS0	167	6785	FullBW	Combined A+B	-17.79	-17.66		-12.07
UNII7	802.11ax160	MCS0	143	6665	FullBW	SISO A	-16.73	-16.60		-11.01
UNII7	802.11ax160	MCS0	143	6665	FullBW	SISO B	-17.40	-17.27		-11.68
UNII7	802.11ax160	MCS0	143	6665	FullBW	MIMO A	-20.70	-20.43		-14.84
UNII7	802.11ax160	MCS0	143	6665	FullBW	MIMO B	-20.65	-20.38		-14.79
UNII7	802.11ax160	MCS0	143	6665	FullBW	Combined A+B	-17.66	-17.40		-11.81

(1) Value compensated with the duty cycle

UNII8

UNII	Mode_BW	Rate	Channel	Freq. [MHz]	RU config.	Antenna	PSD [dBm/MHz]	Max ⁽¹⁾ PSD [dBm/MHz]	Antenna Gain (dBi)	Max ⁽¹⁾ PSD EIRP [dBm/MHz]
UNII8	802.11ax20	MCS0	185	6875	FullBW	SISO A	-17.22	-17.22	5.59	-11.63
	802.11ax20	MCS0	185	6875	FullBW	SISO B	-17.63	-17.63		-12.04
	802.11ax20	MCS0	185	6875	FullBW	MIMO A	-19.77	-19.77		-14.18
	802.11ax20	MCS0	185	6875	FullBW	MIMO B	-19.76	-19.76		-14.17
	802.11ax20	MCS0	185	6875	FullBW	Combined A+B	-16.75	-16.75		-11.16
	802.11ax20	MCS0	209	6995	FullBW	SISO A	-16.91	-16.91		-11.32
	802.11ax20	MCS0	209	6995	FullBW	SISO B	-16.93	-16.93		-11.34
	802.11ax20	MCS0	209	6995	FullBW	MIMO A	-19.90	-19.90		-14.31
	802.11ax20	MCS0	209	6995	FullBW	MIMO B	-19.71	-19.71		-14.12
	802.11ax20	MCS0	209	6995	FullBW	Combined A+B	-16.79	-16.79		-11.20
	802.11ax20	MCS0	229	7095	FullBW	SISO A	-17.04	-17.04		-11.45
	802.11ax20	MCS0	229	7095	FullBW	SISO B	-16.78	-16.78		-11.19
	802.11ax20	MCS0	229	7095	FullBW	MIMO A	-19.74	-19.74		-14.15
	802.11ax20	MCS0	229	7095	FullBW	MIMO B	-20.23	-20.23		-14.64
	802.11ax20	MCS0	229	7095	FullBW	Combined A+B	-16.97	-16.97		-11.38
	802.11ax20	MCS0	233	7115	FullBW	SISO A	-16.78	-16.78		-11.19
	802.11ax20	MCS0	233	7115	FullBW	SISO B	-17.10	-17.10		-11.51
	802.11ax20	MCS0	233	7115	FullBW	MIMO A	-19.72	-19.72		-14.13
	802.11ax20	MCS0	233	7115	FullBW	MIMO B	-20.67	-20.67		-15.08
	802.11ax20	MCS0	233	7115	FullBW	Combined A+B	-17.16	-17.16		-11.57
	802.11ax40	MCS0	187	6885	FullBW	SISO A	-17.54	-17.54		-11.95
	802.11ax40	MCS0	187	6885	FullBW	SISO B	-17.81	-17.81		-12.22
	802.11ax40	MCS0	187	6885	FullBW	MIMO A	-19.86	-19.86		-14.27
	802.11ax40	MCS0	187	6885	FullBW	MIMO B	-19.82	-19.82		-14.23
	802.11ax40	MCS0	187	6885	FullBW	Combined A+B	-16.83	-16.83		-11.24
	802.11ax40	MCS0	227	7085	FullBW	SISO A	-16.64	-16.64		-11.05
	802.11ax40	MCS0	227	7085	FullBW	SISO B	-17.95	-17.95		-12.36
	802.11ax40	MCS0	227	7085	FullBW	MIMO A	-19.73	-19.73		-14.14
	802.11ax40	MCS0	227	7085	FullBW	MIMO B	-19.83	-19.83		-14.24
	802.11ax40	MCS0	227	7085	FullBW	Combined A+B	-16.77	-16.77		-11.18
	802.11ax80	MCS0	183	6865	FullBW	SISO A	-17.65	-17.65		-12.06
	802.11ax80	MCS0	183	6865	FullBW	SISO B	-17.85	-17.85		-12.26
	802.11ax80	MCS0	183	6865	FullBW	MIMO A	-20.57	-20.44		-14.85
	802.11ax80	MCS0	183	6865	FullBW	MIMO B	-19.71	-19.58		-13.99
	802.11ax80	MCS0	183	6865	FullBW	Combined A+B	-17.11	-16.98		-11.39
	802.11ax80	MCS0	199	6945	FullBW	SISO A	-16.73	-16.73		-11.14
	802.11ax80	MCS0	199	6945	FullBW	SISO B	-16.62	-16.62		-11.03
	802.11ax80	MCS0	199	6945	FullBW	MIMO A	-19.76	-19.63		-14.04
	802.11ax80	MCS0	199	6945	FullBW	MIMO B	-19.87	-19.74		-14.15
	802.11ax80	MCS0	199	6945	FullBW	Combined A+B	-16.80	-16.68		-11.09
	802.11ax80	MCS0	215	7025	FullBW	SISO A	-17.79	-17.79		-12.20
	802.11ax80	MCS0	215	7025	FullBW	SISO B	-17.81	-17.81		-12.22
	802.11ax80	MCS0	215	7025	FullBW	MIMO A	-19.89	-19.76		-14.17
	802.11ax80	MCS0	215	7025	FullBW	MIMO B	-19.64	-19.51		-13.92
	802.11ax80	MCS0	215	7025	FullBW	Combined A+B	-16.75	-16.63		-11.04
	802.11ax160	MCS0	207	6985	FullBW	SISO A	-17.34	-17.21		-11.62

UNII	Mode_BW	Rate	Channel	Freq. [MHz]	RU config.	Antenna	PSD [dBm/MHz]	Max ⁽¹⁾ PSD [dBm/MHz]	Antenna Gain (dBi)	Max ⁽¹⁾ PSD EIRP [dBm/MHz]
	802.11ax160	MCS0	207	6985	FullBW	SISO B	-17.48	-17.35		-11.76
	802.11ax160	MCS0	207	6985	FullBW	MIMO A	-21.25	-20.98		-15.39
	802.11ax160	MCS0	207	6985	FullBW	MIMO B	-20.50	-20.23		-14.64
	802.11ax160	MCS0	207	6985	FullBW	Combined A+B	-17.85	-17.58		-11.99

⁽¹⁾ Value compensated with the duty cycle

B.2.3 Emissions mask

Test limits

FCC part	RSS part	Limits
15.407 (b) (6)	RSS-248 Clause 4.6.2	▪ For transmitters operating within the 5.925–7.125 GHz bands: Power spectral density must be suppressed: - o by 20 dB at 1 MHz outside of channel edge, - o by 28 dB at one channel bandwidth from the channel center, and - o by 40 dB at one- and one-half times the channel bandwidth away from channel center. ▪ At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and ▪ at frequencies between one and one- and onehalf times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure the unwanted mask emissions. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared antenna gain.

The nominal bandwidth was used to construct the mask according to KDB 987594 D02.

See Section C.1.3 for the screenshot results.

B.2.4 Frequency stability

Test limits

FCC part	RSS part	Limits
15.407 (g)	RSS-Gen issue 5 - A1- clause 6.11	The frequency stability shall be sufficient to ensure that the occupied bandwidth of the device stays within the 5925-7125MHz frequency band when the stability is tested at the temperature and supply voltage variation

Test procedure

The conducted setups shown in in section *Test & System Description* were used to verify that the occupied bandwidth 99% of the device stays within the 5925-7125MHz frequency band

Results tables

Normal Conditions +3.3V / +23.8°C

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	99% BW [MHz]	Lowest frequency [MHz]	Highest frequency [MHz]	Verdict
UNII-5	802.11ax20	1	5955	HE0	Full BW	SISO A	24.08	5943.20	NA	Pass
UNII-5	802.11ax40	3	5965	HE0	Full BW	SISO A	45.60	5942.88	NA	Pass
UNII-5	802.11ax80	7	5985	HE0	Full BW	SISO A	78.00	5946.20	NA	Pass
UNII-5	802.11ax160	15	6025	HE0	Full BW	SISO A	167.50	5945.89	NA	Pass
UNII-8	802.11ax20	233	7115	HE0	Full BW	SISO A	19.76	NA	7124.88	Pass
UNII-8	802.11ax40	227	7085	HE0	Full BW	SISO A	54.96	NA	7111.82	Pass
UNII-8	802.11ax80	215	7025	HE0	Full BW	SISO A	80.28	NA	7064.34	Pass
UNII-8	802.11ax160	207	6985	HE0	Full BW	SISO A	175.00	NA	7065.35	Pass

High temperature +50°C

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	99% BW [MHz]	Lowest frequency [MHz]	Highest frequency [MHz]	Verdict
UNII-5	802.11ax20	1	5955	HE0	Full BW	SISO A	25.36	5942.48	NA	Pass
UNII-5	802.11ax40	3	5965	HE0	Full BW	SISO A	50.72	5940.33	NA	Pass
UNII-5	802.11ax80	7	5985	HE0	Full BW	SISO A	78.24	5945.96	NA	Pass
UNII-5	802.11ax160	15	6025	HE0	Full BW	SISO A	170.50	5945.14	NA	Pass
UNII-8	802.11ax20	233	7115	HE0	Full BW	SISO A	20.00	NA	7124.94	Pass
UNII-8	802.11ax40	227	7085	HE0	Full BW	SISO A	59.36	NA	7114.15	Pass
UNII-8	802.11ax80	215	7025	HE0	Full BW	SISO A	84.60	NA	7065.66	Pass
UNII-8	802.11ax160	207	6985	HE0	Full BW	SISO A	193.50	NA	7074.18	Pass

Low temperature -20°C

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	99% BW [MHz]	Lowest frequency [MHz]	Highest frequency [MHz]	Verdict
UNII-5	802.11ax20	1	5955	HE0	Full BW	SISO A	23.08	5943.60	NA	Pass
UNII-5	802.11ax40	3	5965	HE0	Full BW	SISO A	39.44	5945.31	NA	Pass
UNII-5	802.11ax80	7	5985	HE0	Full BW	SISO A	78.00	5946.08	NA	Pass
UNII-5	802.11ax160	15	6025	HE0	Full BW	SISO A	171.25	5945.14	NA	Pass
UNII-8	802.11ax20	233	7115	HE0	Full BW	SISO A	19.64	NA	7124.84	Pass
UNII-8	802.11ax40	227	7085	HE0	Full BW	SISO A	43.84	NA	7106.73	Pass
UNII-8	802.11ax80	215	7025	HE0	Full BW	SISO A	79.20	NA	7064.09	Pass
UNII-8	802.11ax160	207	6985	HE0	Full BW	SISO A	171.00	NA	7064.99	Pass

High voltage +3.795V

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	99% BW [MHz]	Lowest frequency [MHz]	Highest frequency [MHz]	Verdict
UNII-5	802.11ax20	1	5955	HE0	Full BW	SISO A	24.72	5942.80	NA	Pass
UNII-5	802.11ax40	3	5965	HE0	Full BW	SISO A	46.56	5942.35	NA	Pass
UNII-5	802.11ax80	7	5985	HE0	Full BW	SISO A	78.12	5946.08	NA	Pass
UNII-5	802.11ax160	15	6025	HE0	Full BW	SISO A	167.00	5945.89	NA	Pass
UNII-8	802.11ax20	233	7115	HE0	Full BW	SISO A	19.80	NA	7124.84	Pass
UNII-8	802.11ax40	227	7085	HE0	Full BW	SISO A	52.12	NA	7112.02	Pass
UNII-8	802.11ax80	215	7025	HE0	Full BW	SISO A	80.28	NA	7064.45	Pass
UNII-8	802.11ax160	207	6985	HE0	Full BW	SISO A	175.00	NA	7065.02	Pass

Low voltage +2.805V

Band	Mode & BW[MHz]	Channel	Frequency [MHz]	Rate	RU config.	Antenna	99% BW [MHz]	Lowest frequency [MHz]	Highest frequency [MHz]	Verdict
UNII-5	802.11ax20	1	5955	HE0	Full BW	SISO A	25.44	5942.52	NA	Pass
UNII-5	802.11ax40	3	5965	HE0	Full BW	SISO A	52.00	5939.84	NA	Pass
UNII-5	802.11ax80	7	5985	HE0	Full BW	SISO A	78.60	5945.84	NA	Pass
UNII-5	802.11ax160	15	6025	HE0	Full BW	SISO A	169.75	5945.89	NA	Pass
UNII-8	802.11ax20	233	7115	HE0	Full BW	SISO A	19.76	NA	7124.84	Pass
UNII-8	802.11ax40	227	7085	HE0	Full BW	SISO A	56.00	NA	7112.21	Pass
UNII-8	802.11ax80	215	7025	HE0	Full BW	SISO A	82.80	NA	7065.00	Pass
UNII-8	802.11ax160	207	6985	HE0	Full BW	SISO A	181.50	NA	7067.11	Pass

B.2.5 Contention-based protocol

Test limits

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm).

Test procedure

The contention-based protocol setup shown in section *Test & System Description* was used to measure the contention-based protocol. The EUT ceased transmission when the AWGN source signal level described in table result below is set to transmit.

Incumbent signal is emulated by using a 10MHz bandwidth AWGN source generated by the vector signal generator. The EUT is transmitting at the maximum possible payload and the spectrum analyzer monitors the transmissions in response to the AWGN signal. Insertion loss of the test setup were considered on the spectrum analyser reading.

Result Tables

Contention-based Protocol Threshold minimum level

UNII	Channel	Bandwidth [MHz]	EUT Freq [MHz] f_{c1}	Incumbent Placement/Frequency [MHz] f_{c2}		Threshold level of AWGN incumbent (dBm) at antenna level*see note below	Status of EUT transmission
5	45	20	6175	$f_{c1} = f_{c2}$	6175	-63.5	Ceased
						-64.5	Minimal
						-65.5	Minimal
						-66.5	Normal
6	105	20	6475	$f_{c1} = f_{c2}$	6475	-63.2	Ceased
						-64.2	Minimal
						-65.2	Minimal
						-66.2	Normal
7	149	20	6695	$f_{c1} = f_{c2}$	6695	-63.0	Ceased
						-63.0	Minimal
						-64.0	Minimal
						-65.0	Normal
8	209	20	6995	$f_{c1} = f_{c2}$	6995	-64.4	Ceased
						-65.4	Minimal
						-66.4	Minimal
						-67.4	Normal
5	15	160	6025	Lower Edge	5950	-62.3	Ceased
						-63.3	Minimal
						-64.3	Normal
				$f_{c1} = f_{c2}$	6025	-65.7	Ceased
						-66.7	Minimal
						-67.7	Normal
				Upper edge	6100	-62.7	Ceased
						-63.7	Minimal
6-7	111	160	6505	Lower Edge	6430	-64.7	Normal
						-62.0	Ceased
						-63.0	Minimal
				$f_{c1} = f_{c2}$	6505	-64.0	Normal
						-64.6	Ceased
						-65.6	Minimal
				Upper edge	6580	-66.6	Normal
						-62.6	Ceased
7	143	160	6665	Lower Edge	6590	-63.6	Minimal
						-64.6	Normal
						-62.1	Ceased
				$f_{c1} = f_{c2}$	6665	-63.1	Minimal
						-64.1	Normal
						-64.6	Ceased
				Upper edge	6740	-65.6	Minimal
						-66.6	Normal
8	207	160	6985	Lower Edge	6910	-62.9	Ceased
						-63.9	Minimal
						-64.9	Normal
				$f_{c1} = f_{c2}$	6985	-62.6	Ceased
						-63.6	Minimal
						-64.6	Normal
				Upper edge	7060	-65.1	Ceased
						-66.1	Minimal
						-67.1	Normal
						-63.6	Ceased
						-64.6	Minimal
						-65.6	Normal

Note : EUT antenna gain = -2.7dBi considered in the measurement path loss.

Summary table

Bandwidth	UNII Sub-band	Channel	EUT Freq [MHz] f_{c1}	Incumbent Placement/Frequency [MHz] f_{c2}		Incumbent Threshold level of AWGN interference at antenna level (dBm) ^{*see note below}	Number of iterations	Detection Probability (%)	Limit (%)	Verdict
20MHz	5	45	6175	$f_{c1} = f_{c2}$	6175	-63.5	10	100	90	Pass
	6	105	6475	$f_{c1} = f_{c2}$	6475	-63.2	10	100	90	Pass
	7	149	6695	$f_{c1} = f_{c2}$	6695	-63.0	10	100	90	Pass
	8	209	6995	$f_{c1} = f_{c2}$	6995	-64.4	10	100	90	Pass
160MHz	5	15	6025	Lower Edge	5950	-62.3	10	100	90	Pass
				$f_{c1} = f_{c2}$	6025	-65.7	10	100	90	Pass
				Upper edge	6100	-62.7	10	100	90	Pass
	6-7	111	6505	Lower Edge	6430	-62.0	10	100	90	Pass
				$f_{c1} = f_{c2}$	6505	-64.6	10	100	90	Pass
				Upper edge	6580	-62.6	10	100	90	Pass
	7	143	6665	Lower Edge	6590	-62.1	10	100	90	Pass
				$f_{c1} = f_{c2}$	6665	-64.6	10	100	90	Pass
				Upper edge	6740	-62.9	10	100	90	Pass
	8	207	6985	Lower Edge	6910	-62.6	10	100	90	Pass
				$f_{c1} = f_{c2}$	6985	-65.1	10	100	90	Pass
				Upper edge	7060	-63.6	10	100	90	Pass

Note : EUT antenna gain = -2.7dBi considered in the measurement path loss.

See Section C.1.4 for the screenshot results.

B.2.6 Undesirable emission limits : Conducted

Test limits

FCC part	RSS Part	Limits
15.407 (b) (5)	RSS-248 Clause 4.6.2	For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.
15.35 (b)	-	Unless otherwise specified, on any frequency or frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000 MHz shall be performed using a minimum resolution bandwidth of 1 MHz. When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§ 15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device, e.g., the total peak power level

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure undesirable emissions on the out of band domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared antenna gain.

For the lower and upper side of the out of band, the integration method was used as defined in the out of band measurements section II.G.3.d of KDB 789033. Tests were performed using both RMS and peak detectors.

For out of band emission measurements in MIMO mode the emission level of individual output is adjusted by $10 \log(N_{\text{ant}}) = 3\text{dB}$ for $N_{\text{ant}} = 2$ which is equivalent to compare the individual output emission level to the limit minus 3dB. The same approach is applied for peak and RMS detectors.

See Section C.1.5 for the screenshot results.

B.2.7 Radiated spurious emission

Standard references

FCC part	ISED Clause	Limits
15.407 (b) (5)	RSS-248 Clause 4.7.2	For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.
15.35 (b)	RSS-Gen Clause 8.1	When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.
15.407 (b) (8)	RSS-248 Clause 4.7.2	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in FCC Part 15.209 and RSS-Gen.
15.209	RSS-Gen Clause 8.9	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):

Test procedure

The radiated setups shown in section [Error! Reference source not found.](#) were used to measure the radiated spurious emissions.

Depending of the frequency range and bands being tested, different antennas and filters were used.

- For frequencies less than or equal to 1000 MHz, measurements were made with the CISPR quasi-peak detector with a resolution bandwidth of 120kHz and a video bandwidth 3 times of the resolution bandwidth.
- For restricted bands, measurements above 1000 MHz were performed using average and peak detectors with a minimum resolution bandwidth of 1 MHz and a video bandwidth 3 times of the resolution bandwidth
- For unrestricted bands, measurements above 1000 MHz were performed using RMS and peak detectors with a minimum resolution bandwidth of 1 MHz and a video bandwidth 3 times of the resolution bandwidth

*RMS detector is required only for FCC. For ISED tests, only average and peak detectors are measured for both restricted and unrestricted bands above 1GHz.

The final measurement is performed by varying the antenna height from 1 m to 4 m, the EUT rotating in azimuth over 360° for both vertical and horizontal polarizations.

The radiated spurious emission was measured on the worst case EUT configuration selected from the chapter B.1 and using the low, middle and high channels.

Test Results

30 MHz – 1 GHz, Radiated spurious emissions

Radiated Spurious – All modes

Frequency	QuasiPeak	Limit	Margin	Polar
MHz	dBμV/m	dBμV/m	dB	---
73.9	33.3	40.0	6.7	V
127.7	36.8	43.5	6.7	V

Note 1: The detected spurious signals do not depend on either the operating channel or the modulation mode.

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1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A

Radiated Spurious – CH1

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9453.6	57.7	Peak	74.0	16.3	H
9453.9	46.4	Average	54.0	7.6	V
11893.2	52.8	Peak	74.0	21.2	V
11893.2	44.2	Average	54.0	9.8	V
17839.2	48.2	Peak	74.0	25.8	H
17839.2	41.8	Average	54.0	12.2	H

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain B

Radiated Spurious – CH1

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9473.4	56.4	Peak	74.0	17.6	H
9473.4	46.2	Average	54.0	7.8	V
11893.2	45.5	Peak	74.0	28.5	V
11893.7	37.6	Average	54.0	16.4	H
17839.2	48.9	Peak	74.0	25.1	H
17839.7	41.7	Average	54.0	12.3	V
23785.6	47.4	Average	54.0	6.6	V
23787.1	57.2	Peak	74.0	16.8	V

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A+B

Radiated Spurious – CH1

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9446.0	56.9	Peak	74.0	17.1	V
9446.0	46.3	Average	54.0	7.7	H
11892.7	46.8	Average	54.0	7.2	V
11893.7	55.2	Peak	74.0	18.8	V
17839.2	42.3	Average	54.0	11.7	V
17840.6	50.6	Peak	74.0	23.4	V
23787.1	56.3	Peak	74.0	17.7	V
23787.5	44.9	Average	54.0	9.1	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A

Radiated Spurious – CH3

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
2494.5	55.5	Peak	74.0	18.5	V
2494.5	40.4	Average	54.0	13.6	V
11894.2	53.4	Peak	74.0	20.6	V
11894.2	44.1	Average	54.0	9.9	V
17841.6	48.8	Peak	74.0	25.2	V
17841.6	39.9	Average	54.0	14.1	H

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain B

Radiated Spurious – CH3

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9458.0	55.9	Peak	74.0	18.1	H
9458.0	46.2	Average	54.0	7.8	H
17840.1	48.1	Peak	74.0	25.9	V
17840.6	43.5	Average	54.0	10.5	V
23788.5	47.5	Average	54.0	6.5	V
23789.0	56.5	Peak	74.0	17.5	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A+B

Radiated Spurious – CH3

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9484.2	55.4	Peak	74.0	18.6	V
9484.2	46.2	Average	54.0	7.8	V
11893.2	53.3	Peak	74.0	20.7	V
11893.2	43.6	Average	54.0	10.4	V
17840.1	43.2	Average	54.0	10.8	V
17840.1	50.7	Peak	74.0	23.3	V
23787.5	46.2	Average	54.0	7.8	H
23788.0	55.6	Peak	74.0	18.4	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A

Radiated Spurious – CH7

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
4749.4	53.7	Peak	74.0	20.3	V
4750.0	45.0	Average	54.0	9.0	V
11893.7	44.0	Average	54.0	10.0	H
11895.6	52.0	Peak	74.0	22.0	V
17839.7	49.0	Peak	74.0	25.0	H
17840.6	40.0	Average	54.0	14.0	H

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain B

Radiated Spurious – CH7

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
4750.0	43.6	Average	54.0	10.4	H
4750.5	54.4	Peak	74.0	19.6	H
11893.2	37.0	Average	54.0	17.1	H
11893.2	47.3	Peak	74.0	26.7	H
17839.7	51.1	Peak	74.0	22.9	V
17840.6	43.2	Average	54.0	10.8	V
23788.0	45.6	Average	54.0	8.3	H
23789.5	56.2	Peak	74.0	17.8	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A+B

Radiated Spurious – CH7

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
4749.4	53.5	Peak	74.0	20.5	V
4750.0	44.9	Average	54.0	9.1	V
11893.2	52.3	Peak	74.0	21.7	V
11893.7	45.3	Average	54.0	8.7	V
17841.1	42.7	Average	54.0	11.3	V
17843.0	51.2	Peak	74.0	22.8	V
23788.5	49.5	Average	54.0	4.5	V
23789.5	60.0	Peak	74.0	14.0	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A

Radiated Spurious – CH15

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
4741.3	54.5	Peak	74.0	19.5	V
4741.8	42.9	Average	54.0	11.1	V
11893.7	43.2	Average	54.0	10.8	V
11894.6	52.8	Peak	74.0	21.2	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain B

Radiated Spurious – CH15

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
4741.3	55.6	Peak	74.0	18.4	H
4741.8	44.0	Average	54.0	10.0	H
17840.1	42.9	Average	54.0	11.1	V
17843.0	51.1	Peak	74.0	22.9	V
23787.5	56.3	Peak	74.0	17.7	V
23787.5	45.4	Average	54.0	8.6	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A+B

Radiated Spurious – CH15

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
4741.8	57.4	Peak	74.0	16.6	H
4741.8	44.8	Average	54.0	9.2	H
11892.7	54.1	Peak	74.0	19.9	V
11894.2	46.8	Average	54.0	7.2	V
17842.1	50.9	Peak	74.0	23.1	V
17842.1	43.2	Average	54.0	10.8	V
23788.0	48.4	Average	54.0	5.6	H
23788.5	58.0	Peak	74.0	16.0	H

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1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A

Radiated Spurious – CH105

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9448.6	57.2	Peak	74.0	16.8	V
9449.2	46.1	Average	54.0	7.9	H
12932.4	44.8	RMS	68.2	23.4	V
12932.4	50.3	Peak	88.2	37.9	V
15991.4	45.1	Peak	74.0	28.9	V
15991.4	39.8	Average	54.0	14.2	V

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain B

Radiated Spurious – CH105

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9422.7	46.3	Average	54.0	7.7	H
9423.0	57.0	Peak	74.0	17.0	V
12932.4	50.0	Peak	88.2	38.2	V
12933.3	43.0	RMS	68.2	25.2	V
19399.4	49.6	Peak	74.0	24.4	H
19400.3	41.0	Average	54.0	13.0	H
25864.4	58.0	Peak	88.2	30.2	V
25866.8	49.8	RMS	68.2	18.4	V

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A+B

Radiated Spurious – CH105

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9455.3	55.8	Peak	74.0	18.2	V
9455.3	46.7	Average	54.0	7.3	H
12932.9	45.3	RMS	68.2	22.9	V
12932.9	53.9	Peak	88.2	34.3	V
19398.9	43.5	Average	54.0	10.5	H
19399.8	50.3	Peak	74.0	23.7	H
25864.4	57.4	Peak	88.2	30.8	V
25864.9	48.8	RMS	68.2	19.4	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A

Radiated Spurious – CH99

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9455.3	55.9	Peak	74.0	18.1	V
9455.3	46.4	Average	54.0	7.6	V
12854.1	49.5	Peak	88.2	38.7	V
12854.1	41.1	RMS	68.2	27.1	V
25779.8	52.4	Peak	88.2	35.8	V
25779.8	45.6	RMS	68.2	22.6	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain B

Radiated Spurious – CH99

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9495.6	56.2	Peak	74.0	17.8	V
9495.6	46.4	Average	54.0	7.6	H
12852.6	48.3	Peak	88.2	39.9	V
12854.1	42.1	RMS	68.2	26.1	V
19279.0	52.1	Peak	74.0	21.9	V
19280.5	42.3	Average	54.0	11.7	V
25706.9	56.7	Peak	88.2	31.5	V
25707.3	47.8	RMS	68.2	20.4	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A+B

Radiated Spurious – CH99

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9340.7	56.3	Peak	74.0	17.7	V
9340.7	46.4	Average	54.0	7.6	H
12854.1	43.7	RMS	68.2	24.5	H
12854.1	49.6	Peak	88.2	38.6	H
19280.5	53.0	Peak	74.0	21.1	V
19280.5	44.7	Average	54.0	9.3	V
25706.4	59.7	Peak	88.2	28.5	V
25707.3	50.7	RMS	68.2	17.5	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A

Radiated Spurious – CH103

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
5134.0	55.7	Peak	74.0	18.3	H
5134.0	43.7	Average	54.0	10.3	H
12853.6	48.4	Peak	88.2	39.8	V
12854.1	40.1	RMS	68.2	28.1	V
19280.5	50.1	Peak	74.0	23.9	V
19280.5	42.3	Average	54.0	11.7	V
25859.6	51.8	Peak	88.2	36.4	V
25860.1	45.8	RMS	68.2	22.4	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain B

Radiated Spurious – CH103

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
5134.0	53.6	Peak	74.0	20.4	H
5134.0	46.0	Average	54.0	8.0	H
12853.1	49.0	Peak	88.2	39.2	V
12853.6	42.7	RMS	68.2	25.5	V
19281.9	41.6	Average	54.0	12.4	V
19281.9	49.9	Peak	74.0	24.1	V
25707.3	58.7	Peak	88.2	29.5	V
25708.3	49.1	RMS	68.2	19.1	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A+B

Radiated Spurious – CH103

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
5134.0	44.8	Average	54.0	9.2	V
5134.5	53.3	Peak	74.0	20.7	V
12853.6	44.5	RMS	68.2	23.7	V
12854.5	52.0	Peak	88.2	36.1	H
19279.5	50.8	Peak	74.0	23.2	V
19280.0	42.0	Average	54.0	12.0	V
25707.3	50.5	RMS	68.2	17.8	V
25707.3	58.7	Peak	88.2	29.5	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A

Radiated Spurious – CH111

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
5125.9	47.9	Average	54.0	6.1	H
5126.4	57.0	Peak	74.0	17.0	H
12853.1	48.8	Peak	88.2	39.4	V
12854.1	40.1	RMS	68.2	28.1	V
19280.5	42.7	Average	54.0	11.3	V
19281.0	49.9	Peak	74.0	24.1	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain B

Radiated Spurious – CH111

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
5125.9	46.7	Average	54.0	7.3	H
5126.4	56.0	Peak	74.0	18.0	H
12854.1	41.5	RMS	68.2	26.7	V
12854.1	49.5	Peak	88.2	38.7	V
19281.4	40.9	Average	54.0	13.1	H
19282.4	49.5	Peak	74.0	24.6	H
25708.3	57.4	Peak	88.2	30.8	V
25708.3	47.3	RMS	68.2	20.9	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A+B

Radiated Spurious – CH111

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
5125.9	43.7	Average	54.0	10.3	V
5126.4	55.6	Peak	74.0	18.4	V
12853.6	49.8	Peak	88.2	38.5	V
12854.1	42.2	RMS	68.2	26.0	H
19281.0	41.6	Average	54.0	12.4	V
19281.9	50.1	Peak	74.0	23.9	V
25706.9	51.9	RMS	68.2	16.3	V
25708.8	59.9	Peak	88.2	28.3	V

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1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A

Radiated Spurious – CH117

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9445.4	46.4	Average	54.0	7.7	V
9445.7	56.5	Peak	74.0	17.5	H
13052.2	44.9	RMS	68.2	23.3	V
13053.2	52.2	Peak	88.2	36.0	V
26106.6	43.4	RMS	68.2	24.8	V
26108.0	51.4	Peak	88.2	36.8	H

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain B

Radiated Spurious – CH117

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9467.9	55.8	Peak	74.0	18.2	V
9467.9	46.5	Average	54.0	7.5	V
13052.2	43.4	RMS	68.2	24.8	H
13052.7	52.3	Peak	88.2	35.9	H
19578.2	51.3	Peak	74.0	22.7	H
19579.7	41.4	Average	54.0	12.6	H
26106.1	54.4	RMS	68.2	13.8	V
26107.5	61.6	Peak	88.2	26.6	V

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A+B

Radiated Spurious – CH117

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9433.5	56.0	Peak	74.0	18.0	H
9433.8	46.2	Average	54.0	7.8	V
13052.7	49.2	RMS	68.2	19.0	V
13052.7	56.3	Peak	88.2	31.9	V
26104.7	61.0	Peak	88.2	27.2	V
26105.6	52.0	RMS	68.2	16.2	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A

Radiated Spurious – CH115

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9395.5	55.3	Peak	74.0	18.7	H
9395.5	46.3	Average	54.0	7.7	H
13013.6	45.5	RMS	68.2	22.6	V
13015.5	52.4	Peak	88.2	35.8	V
26028.8	44.6	RMS	68.2	23.6	V
26028.8	54.5	Peak	88.2	33.7	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain B

Radiated Spurious – CH115

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9448.6	56.5	Peak	74.0	17.6	V
9449.2	46.2	Average	54.0	7.8	H
13013.6	44.3	RMS	68.2	23.9	H
13013.6	50.2	Peak	88.2	38.0	H
19521.7	49.4	Peak	74.0	24.6	H
19521.7	41.5	Average	54.0	12.5	V
26027.3	61.5	Peak	88.2	26.7	V
26027.8	52.8	RMS	68.2	15.4	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A+B

Radiated Spurious – CH115

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9449.5	56.5	Peak	74.0	17.5	V
9449.5	46.2	Average	54.0	7.8	V
13013.1	53.4	Peak	88.2	34.8	H
13014.0	47.3	RMS	68.2	20.9	V
26028.3	56.0	RMS	68.2	12.2	V
26030.2	65.1	Peak	88.2	23.1	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A

Radiated Spurious – CH135

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9459.7	56.4	Peak	74.0	17.6	V
9459.7	46.2	Average	54.0	7.8	H
13173.5	45.2	RMS	68.2	23.0	V
13173.5	53.3	Peak	88.2	34.9	V
26348.2	50.0	RMS	68.2	18.2	V
26348.2	58.3	Peak	88.2	29.9	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain B

Radiated Spurious – CH135

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9410.4	56.7	Peak	74.0	17.3	V
9410.4	46.3	Average	54.0	7.7	H
13173.5	40.8	RMS	68.2	27.4	V
13175.0	49.2	Peak	88.2	39.0	V
19760.9	51.5	Peak	74.0	22.5	V
19761.4	39.4	Average	54.0	14.6	V
26346.8	54.8	RMS	68.2	13.4	V
26348.2	63.6	Peak	88.2	24.6	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A+B

Radiated Spurious – CH135

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9487.7	57.6	Peak	74.0	16.4	H
9487.7	46.5	Average	54.0	7.5	V
13173.5	47.7	RMS	68.2	20.5	V
13174.0	55.2	Peak	88.2	33.0	V
19759.9	43.1	Average	54.0	10.9	H
19763.3	52.2	Peak	74.0	21.8	V
26347.3	56.0	RMS	68.2	12.2	V
26347.3	64.2	Peak	88.2	24.0	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A

Radiated Spurious – CH143

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9469.9	56.5	Peak	74.0	17.6	V
9469.9	46.2	Average	54.0	7.8	V
13173.5	46.0	RMS	68.2	22.2	V
13175.0	53.3	Peak	88.2	34.9	V
26347.8	50.0	RMS	68.2	18.1	V
26349.7	58.7	Peak	88.2	29.5	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain B

Radiated Spurious – CH143

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9469.0	56.2	Peak	74.0	17.8	H
9469.0	46.1	Average	54.0	7.9	H
13174.0	41.0	RMS	68.2	27.2	V
13174.5	48.2	Peak	88.2	40.0	V
19759.9	42.0	Average	54.0	12.0	H
19762.8	50.0	Peak	74.0	24.0	H
26348.2	56.0	RMS	68.2	12.2	V
26348.2	64.2	Peak	88.2	23.9	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A+B

Radiated Spurious – CH143

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9379.2	55.8	Peak	74.0	18.2	V
9379.2	46.2	Average	54.0	7.8	V
13173.5	47.5	RMS	68.2	20.7	V
13174.5	53.9	Peak	88.2	34.4	V
26348.7	56.2	RMS	68.2	12.0	V
26350.7	65.2	Peak	88.2	23.0	V

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1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A

Radiated Spurious – CH229

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9341.3	46.2	Average	54.0	7.8	V
9341.3	56.3	peak	74.0	17.7	V
14173.1	42.3	RMS	68.2	25.9	H
14173.1	49.8	Peak	88.2	38.4	H
28345.4	46.8	RMS	68.2	21.4	H
28348.3	56.2	Peak	88.2	32.0	H

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain B

Radiated Spurious – CH229

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9480.1	46.4	Average	54.0	7.6	H
9480.1	57.4	Peak	74.0	16.6	V
14173.1	43.7	RMS	68.2	24.5	H
14173.6	51.8	Peak	88.2	36.4	H
28344.4	51.1	RMS	68.2	17.1	V
28344.4	59.6	Peak	88.2	28.6	V

1 GHz – 40 GHz, 802.11ax/be20, MCS0, Chain A+B

Radiated Spurious – CH229

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9457.7	56.6	Peak	74.0	17.6	H
9458.0	46.2	Average	54.0	7.8	V
14172.6	55.3	Peak	88.2	23.9	H
14173.1	48.2	RMS	68.2	20.0	H
28345.9	62.0	Peak	88.2	26.2	V
28346.4	53.5	RMS	68.2	14.7	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A

Radiated Spurious – CH227

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9423.2	56.7	Peak	74.0	17.3	V
9423.2	46.3	Average	54.0	7.7	V
14132.5	50.0	Peak	88.2	38.2	H
14133.9	41.9	RMS	68.2	26.3	H
28267.6	57.6	Peak	88.2	30.6	V
28267.6	49.0	RMS	68.2	19.2	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain B

Radiated Spurious – CH227

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9451.0	56.3	Peak	74.0	17.7	V
9451.0	46.2	Average	54.0	7.8	V
14133.0	53.0	Peak	88.2	35.1	H
14133.9	45.0	RMS	68.2	23.2	H
28268.0	49.8	RMS	68.2	18.4	V
28268.5	57.8	Peak	88.2	30.4	V

1 GHz – 40 GHz, 802.11ax/be40, MCS0, Chain A+B

Radiated Spurious – CH227

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
1766.5	52.3	Peak	88.2	35.9	H
1766.5	44.5	RMS	68.2	23.7	H
5224.5	55.5	RMS	68.2	12.8	H
5225.0	64.4	Peak	88.2	23.8	H
14133.5	53.8	Peak	88.2	34.4	H
14133.9	46.2	RMS	68.2	22.0	H
28268.5	54.5	RMS	68.2	13.7	V
28269.5	62.7	Peak	88.2	25.5	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A

Radiated Spurious – CH215

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9445.7	56.5	Peak	74.0	17.5	H
9445.7	46.6	Average	54.0	7.4	V
13973.0	47.9	Peak	88.2	40.3	H
13974.0	40.0	RMS	68.2	28.2	H
27948.1	52.9	RMS	68.2	15.3	V
27948.1	60.7	Peak	88.2	27.5	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain B

Radiated Spurious – CH215

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9423.8	56.0	Peak	74.0	18.0	H
9423.8	46.2	Average	54.0	7.8	V
13973.5	47.5	Peak	88.2	40.7	V
13973.5	39.7	RMS	68.2	28.5	V
27947.6	47.4	RMS	68.2	20.8	V
27948.6	56.8	Peak	88.2	31.4	V

1 GHz – 40 GHz, 802.11ax/be80, MCS0, Chain A+B

Radiated Spurious – CH215

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9396.1	57.8	Peak	74.0	16.2	V
9396.1	46.4	Average	54.0	7.6	H
13974.0	43.1	RMS	68.2	25.1	H
13974.0	51.0	Peak	88.2	37.2	H
27948.1	62.4	Peak	88.2	25.8	V
27949.0	54.1	RMS	68.2	14.1	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A

Radiated Spurious – CH207

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9430.0	56.7	Peak	74.0	17.3	H
9430.2	46.3	Average	54.0	7.7	H
13814.0	45.4	RMS	68.2	22.8	V
13814.9	52.8	Peak	88.2	35.4	V
27626.7	62.3	Peak	88.2	25.9	V
27628.6	53.3	RMS	68.2	14.9	V

1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain B

Radiated Spurious – CH207

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBμV/m	---	dBμV/m	dB	---
9455.0	55.9	Peak	74.0	18.1	H
9455.0	46.2	Average	54.0	7.8	V
13813.0	49.2	Peak	88.2	39.0	V
13814.0	40.5	RMS	68.2	27.7	V
27626.2	60.9	Peak	88.2	27.4	V
27627.6	53.8	RMS	68.2	14.4	V

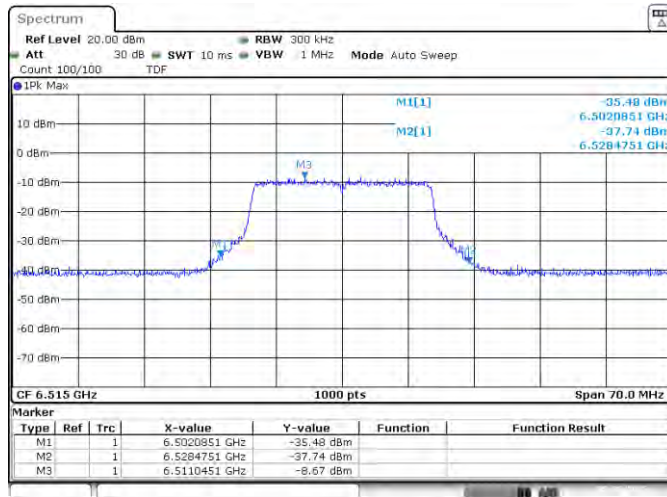
1 GHz – 40 GHz, 802.11ax/be160, MCS0, Chain A+B

Radiated Spurious – CH207

Frequency	Level	Detector	Limit	Margin	Polar
MHz	dBµV/m	---	dBµV/m	dB	---
9405.8	55.7	Peak	74.0	18.3	H
9405.8	46.2	Average	54.0	7.8	V
13814.0	45.6	RMS	68.2	22.6	V
13814.9	53.4	Peak	88.2	34.8	V
27627.6	57.8	RMS	68.2	10.4	V
27627.6	65.3	Peak	88.2	22.9	V

Annex C. System Plots

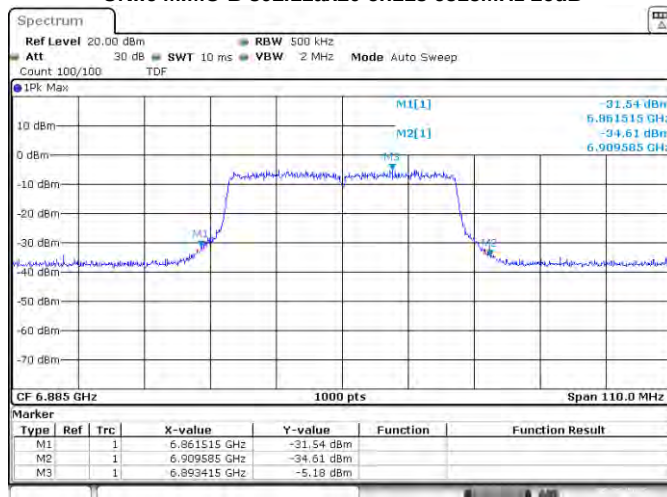
C.1.1 26dB & 99% bandwidth



UNII6 MIMO B 802.11ax20 ch113 6515MHz 26dB



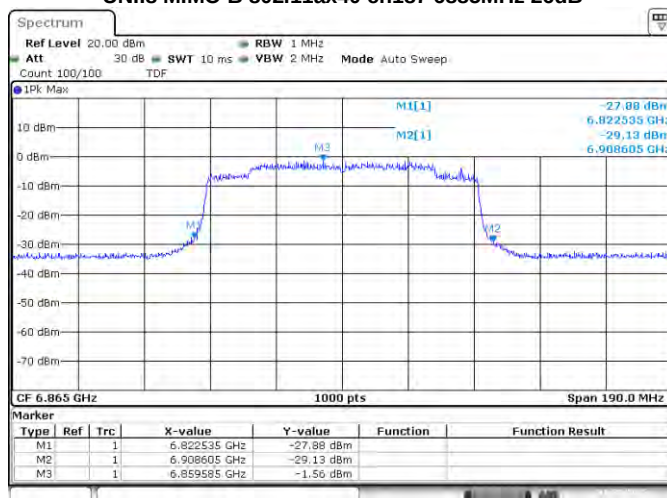
UNII7 MIMO B 802.11ax20 ch149 6695MHz 99%



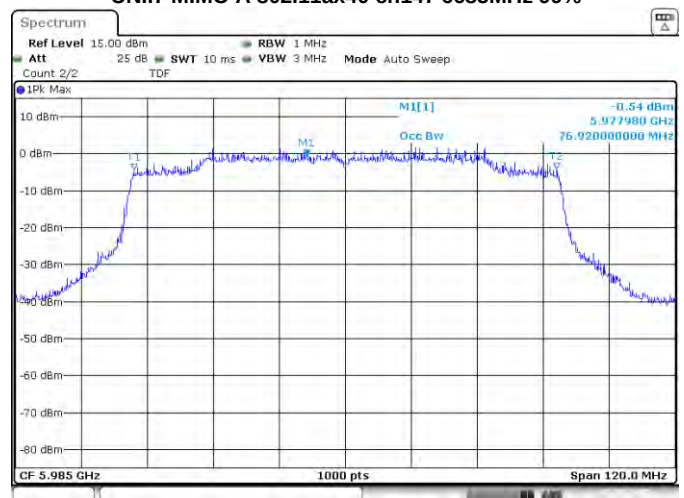
UNII8 MIMO B 802.11ax40 ch187 6885MHz 26dB



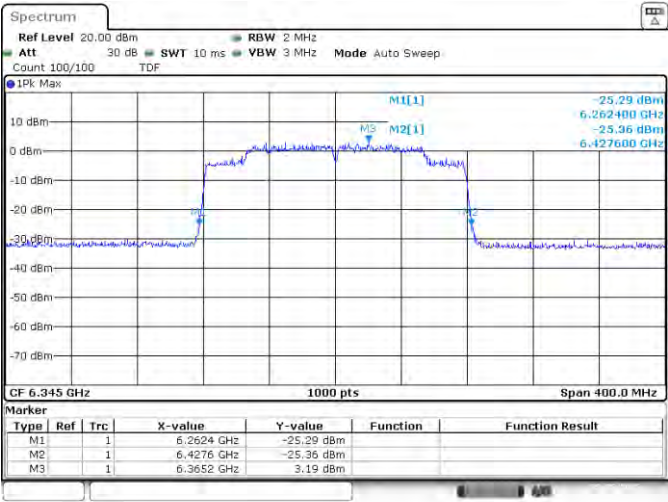
UNII7 MIMO A 802.11ax40 ch147 6685MHz 99%



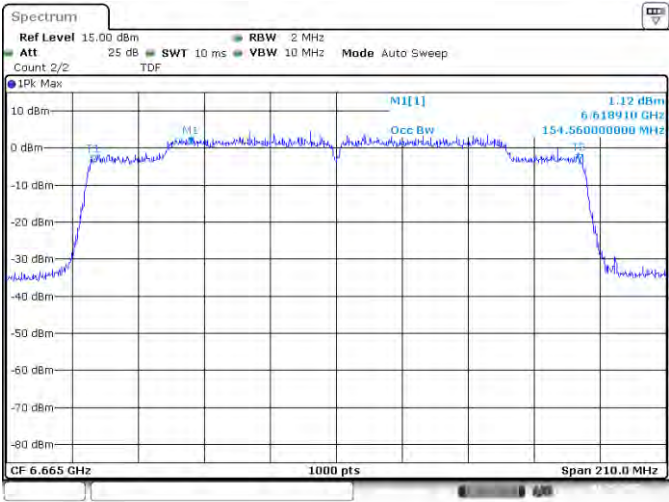
UNII8 MIMO A 802.11ax80 ch183 6865MHz 26dB



UNII5 SISO B 802.11ax80 ch7 5985MHz 99%

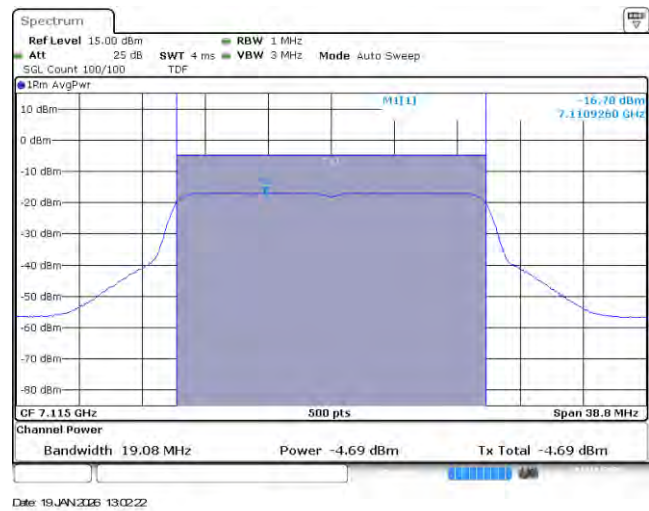


UNII5 SISO B 802.11ax160 ch79 6345MHz 26dB

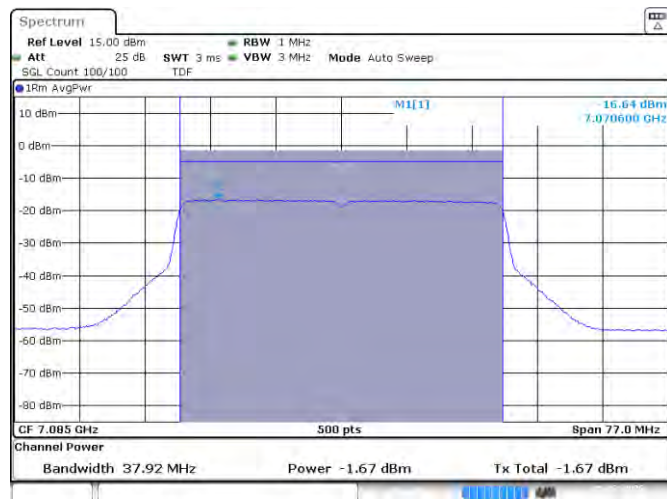


UNII7 SISO A 802.11ax160 ch143 6665MHz 99%

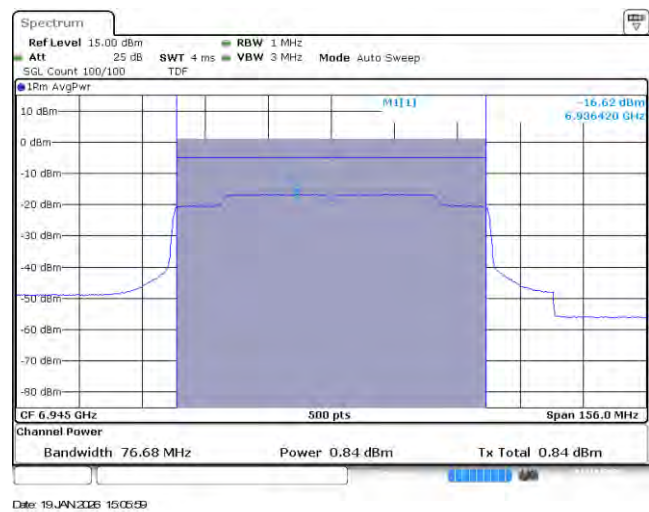
C.1.2 Maximum Output Power & Maximum power spectral Density



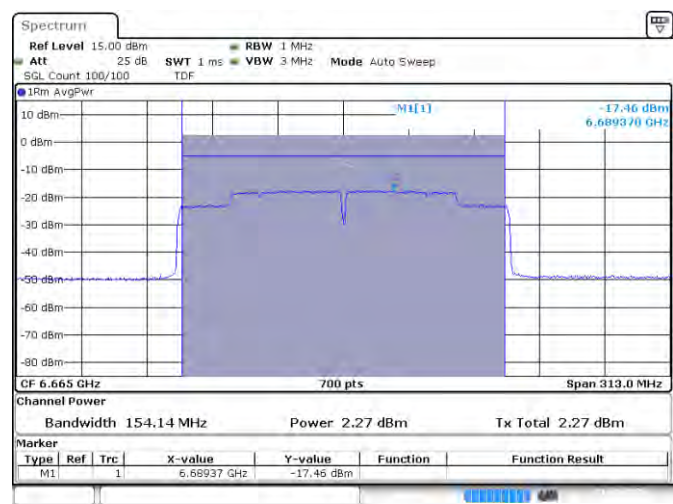
SISO A-802.11ax-20MHz-Ch233-7115MHz-MCS0



SISO A-802.11ax-40MHz-Ch227-7085MHz-MCS0



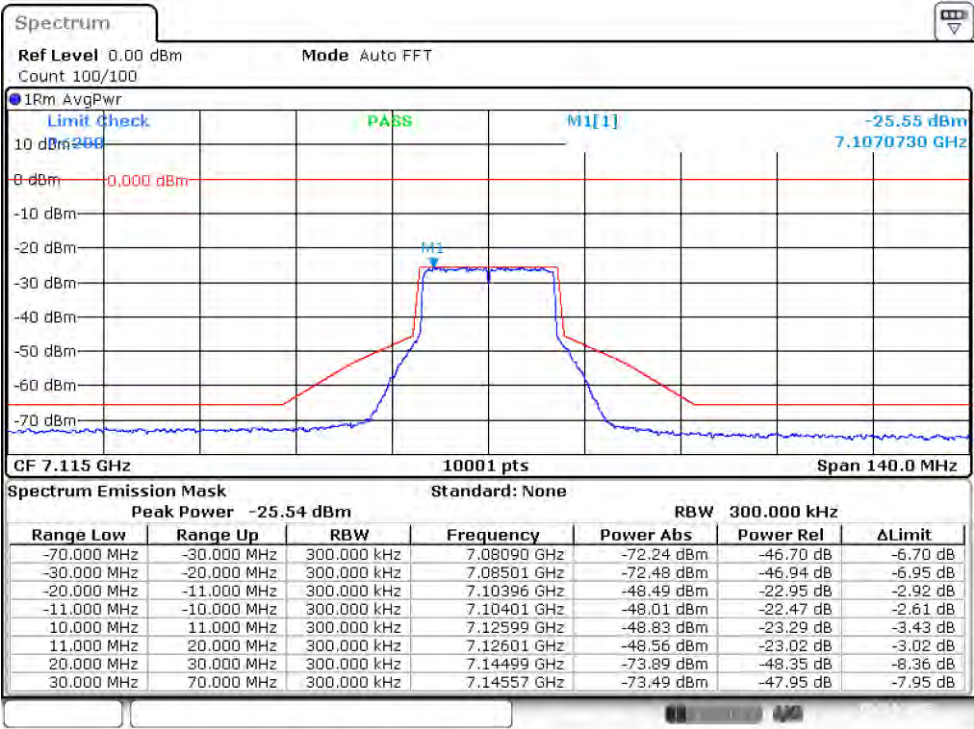
SISO B-802.11ax-80MHz-Ch199-6945MHz-MCS0



SISO A-802.11ax-160MHz-Ch143-6665MHz-MCS0

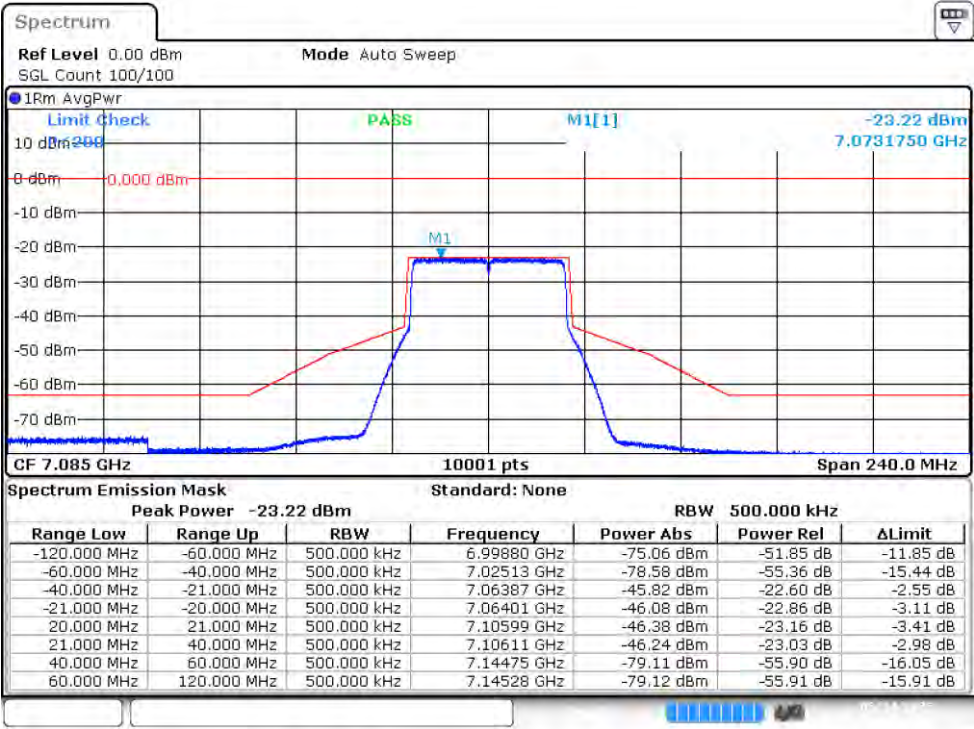
C.1.3 In-Band Emissions (Mask)

SISO-A, 802.11ax20, MCS0



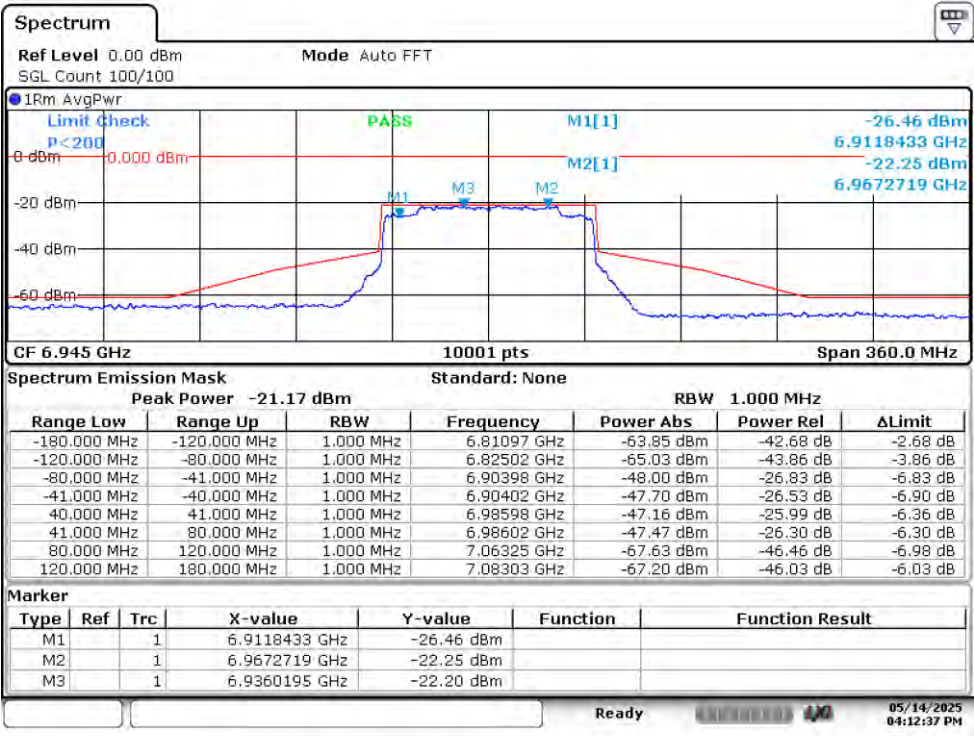
Channel 233

SISO-A, 802.11ax40, MCS0



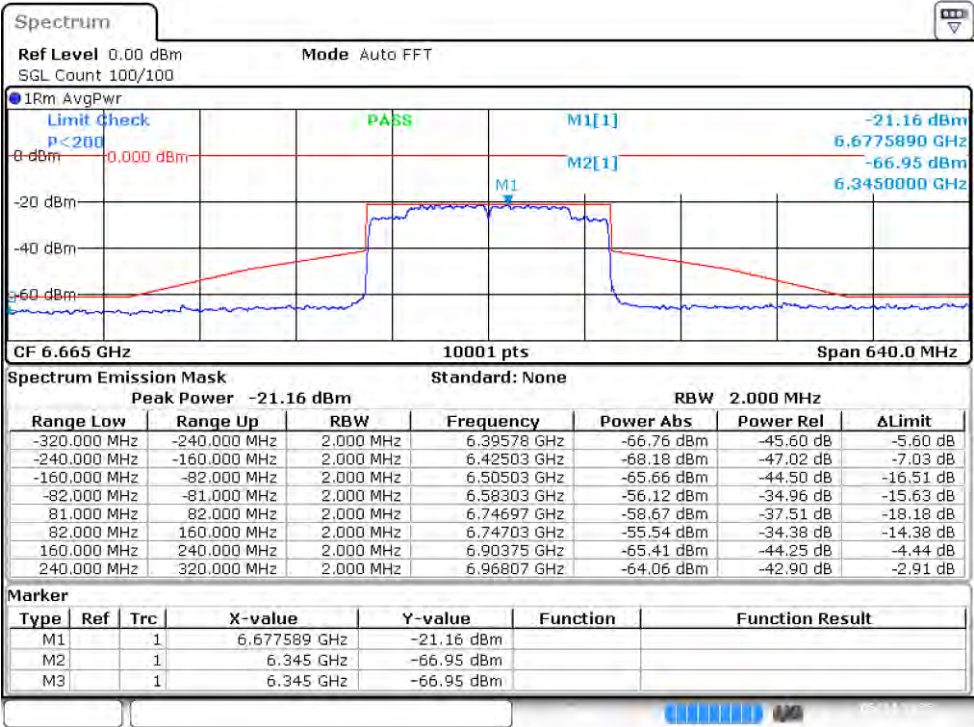
Channel 227

MIMO-A, 802.11ax80, MCS0



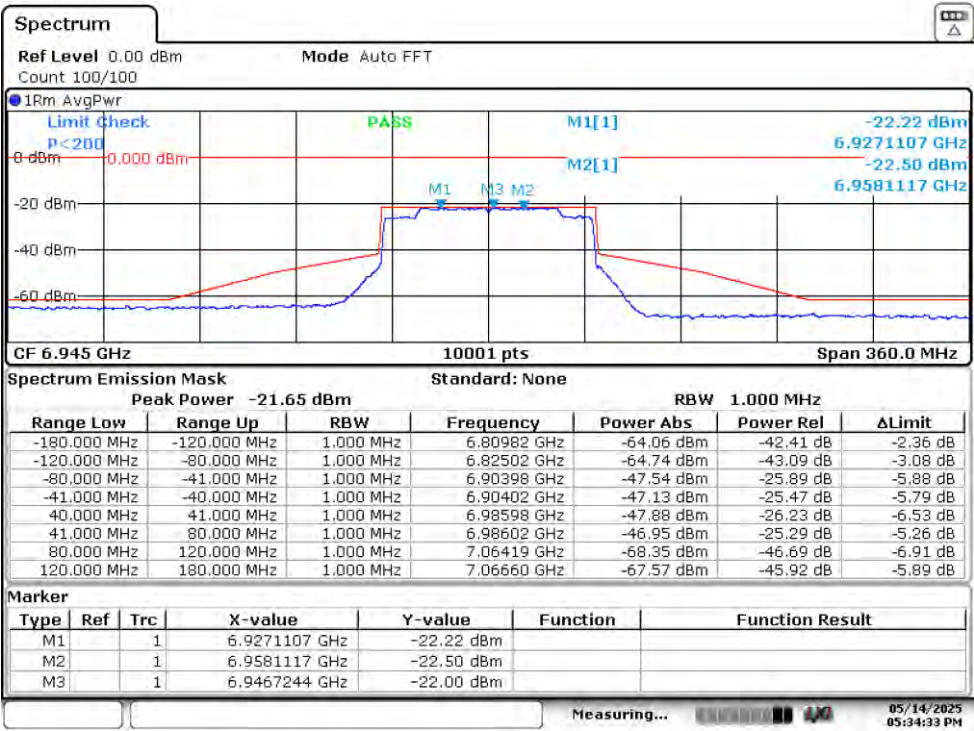
Channel 199

MIMO-A, 802.11ax160, MCS0



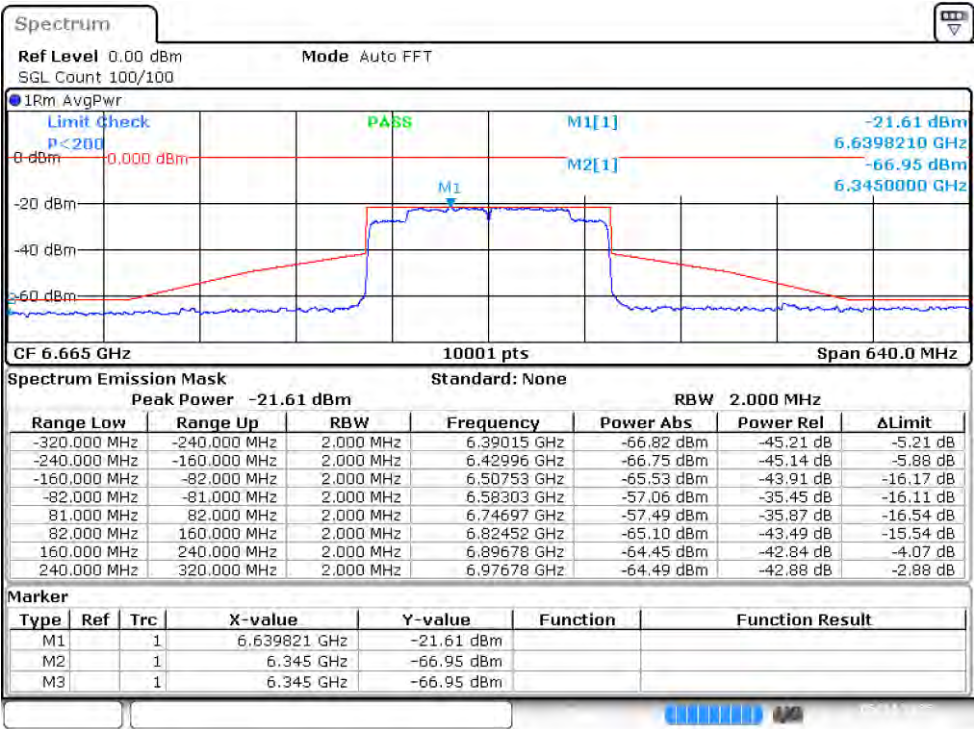
Channel 143

MIMO-B, 802.11ax80, MCS0



Channel 199

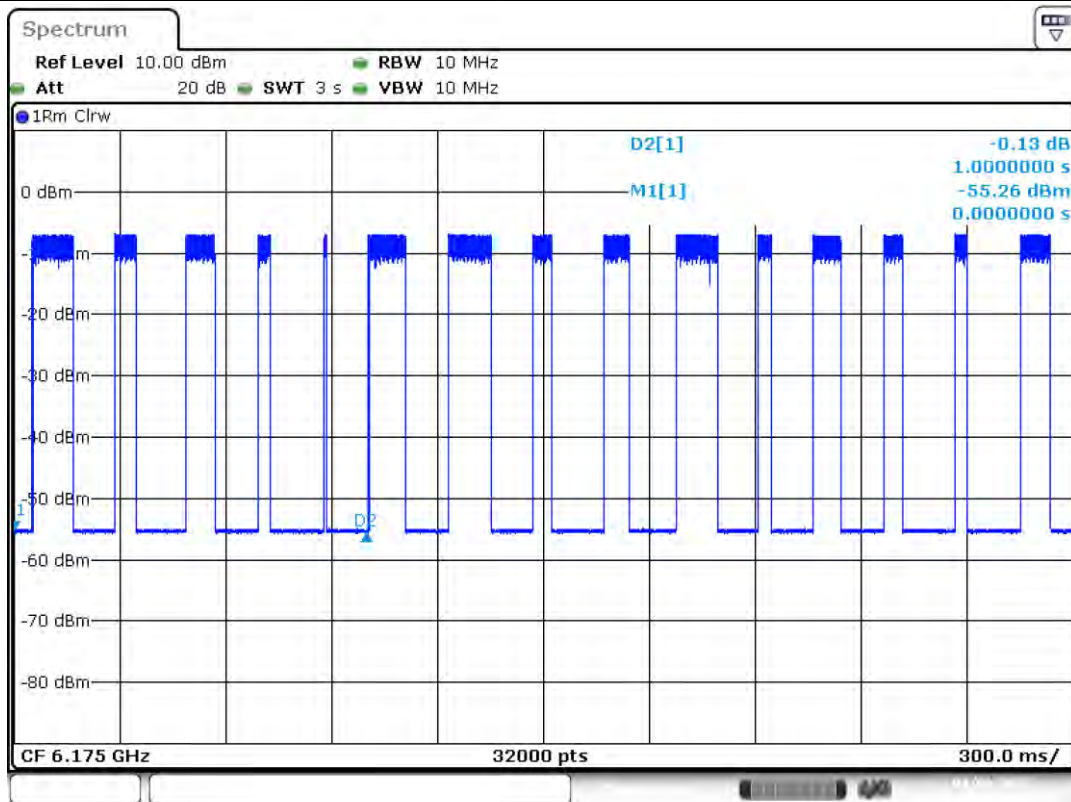
MIMO-B, 802.11ax160, MCS0



Channel 143

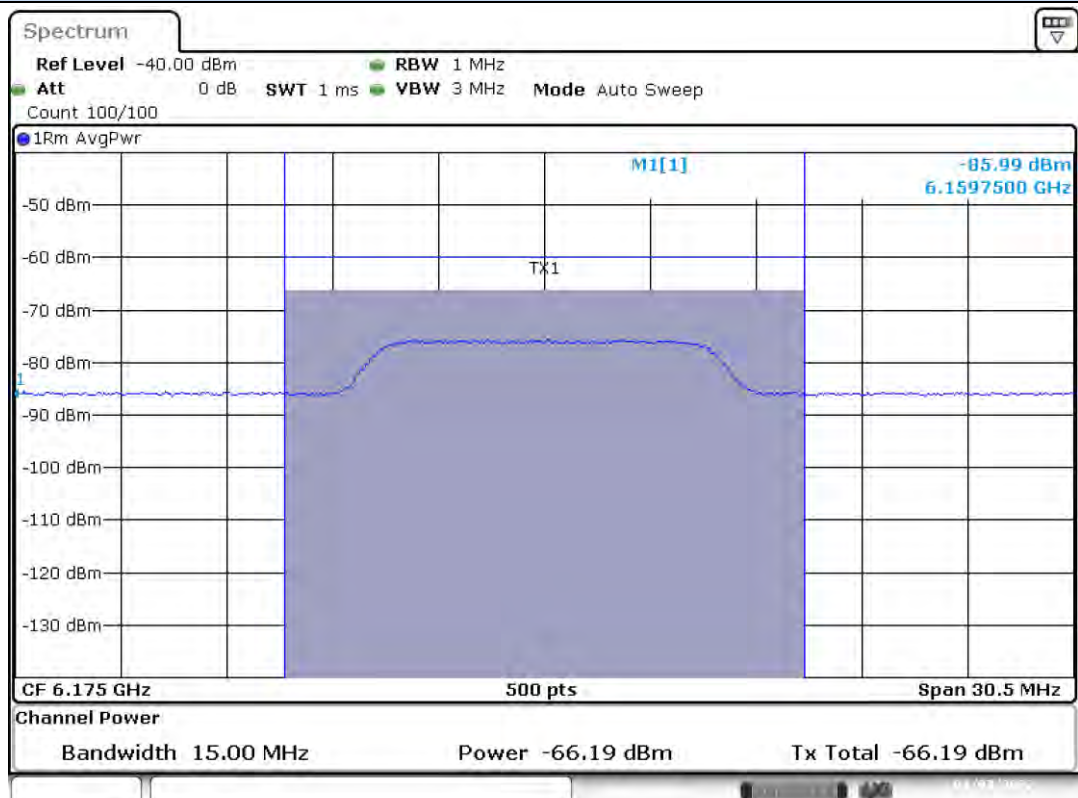
C.1.4 Contention-based protocol

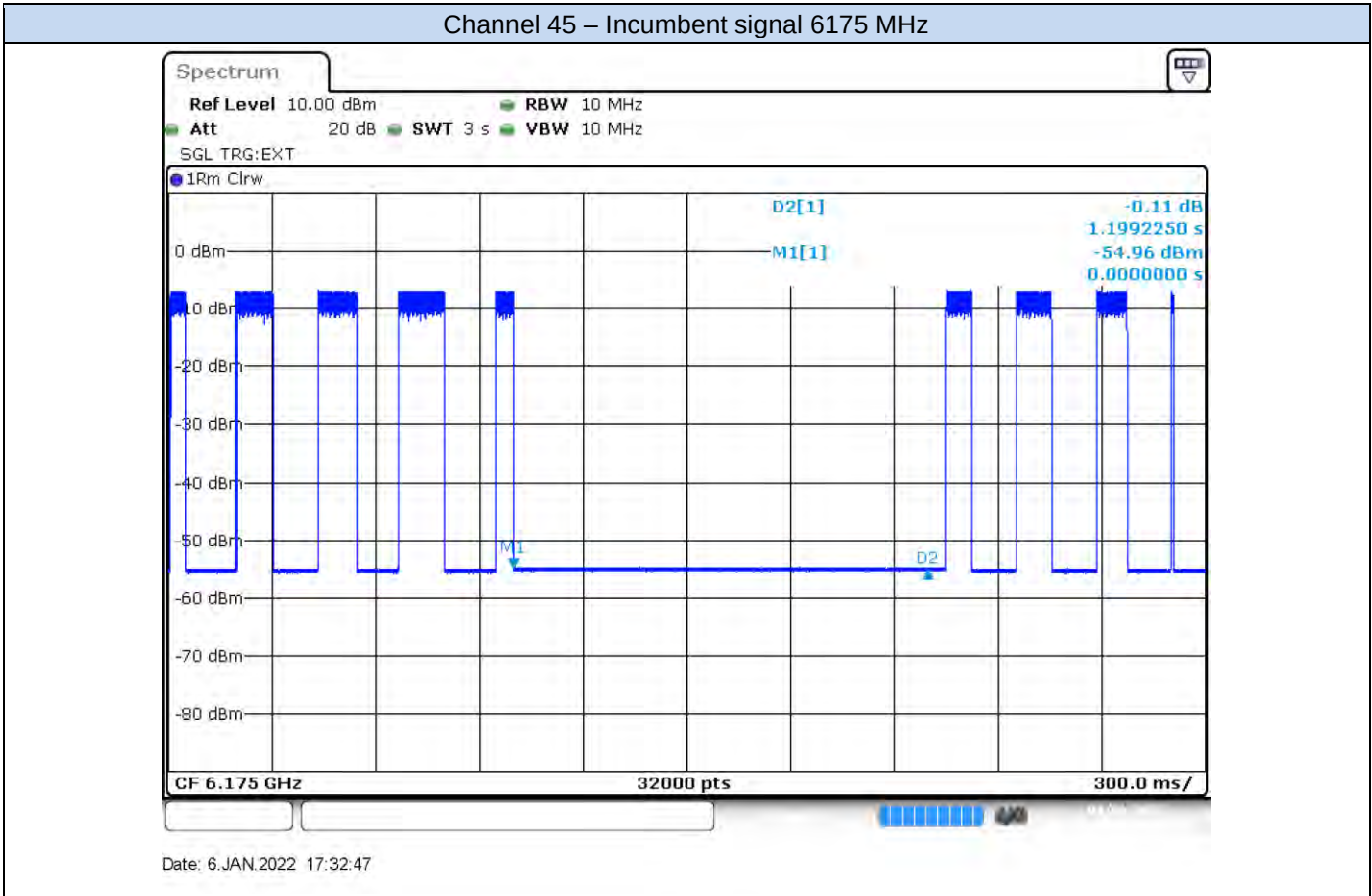
Example of EUT transmission plot



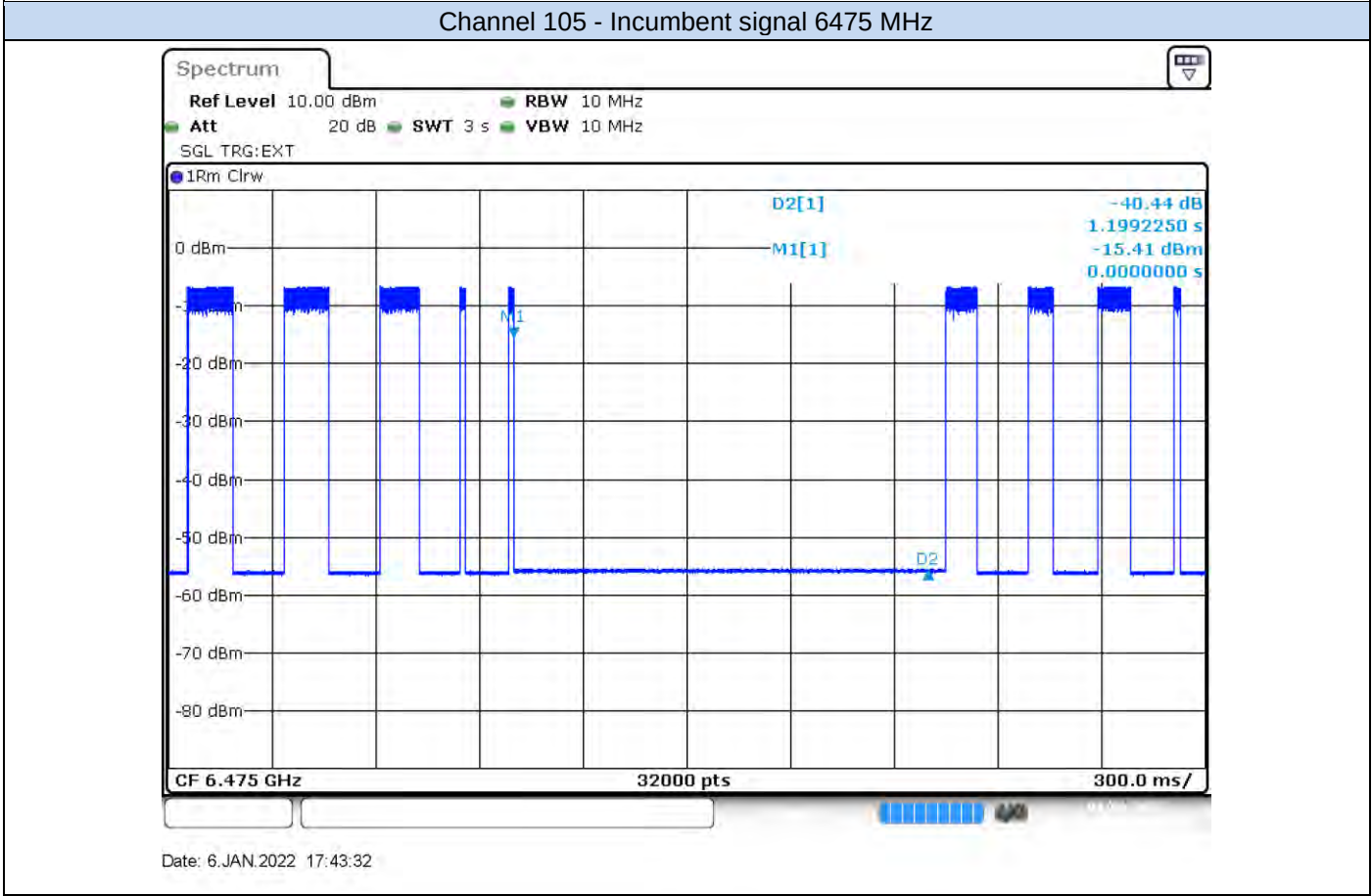
Date: 6.JAN.2022 17:29:40

Example of incumbent measured power

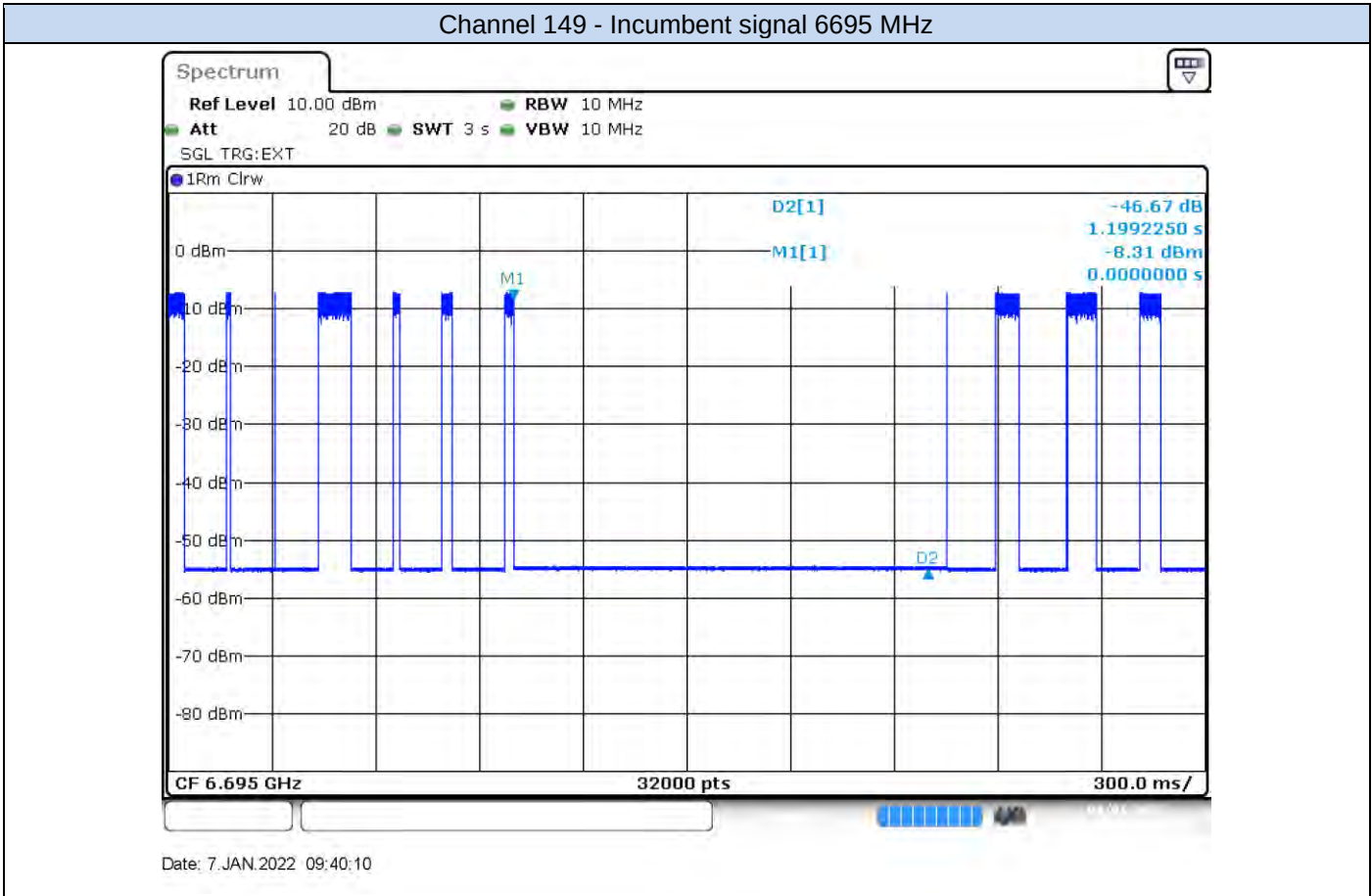




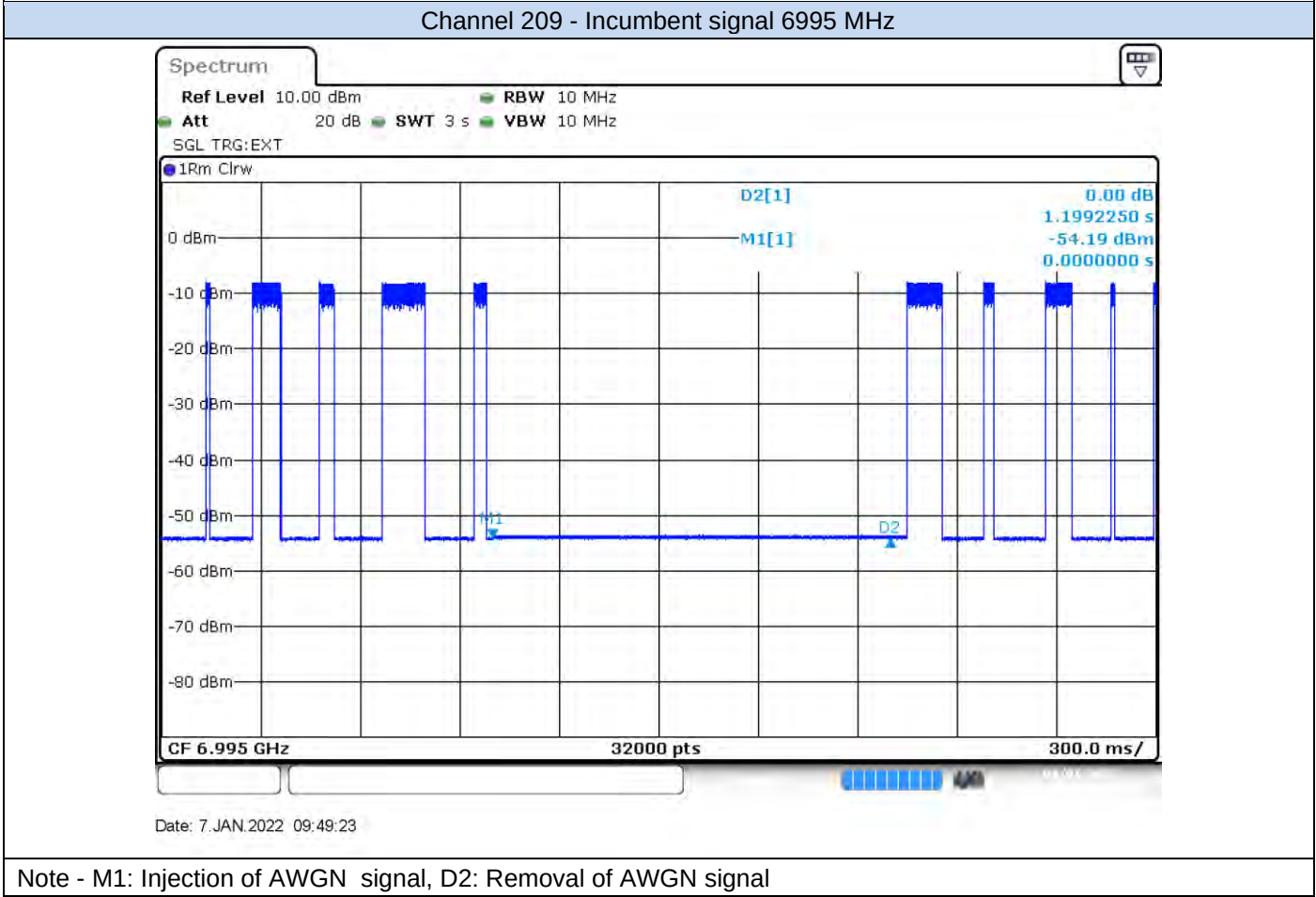
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal



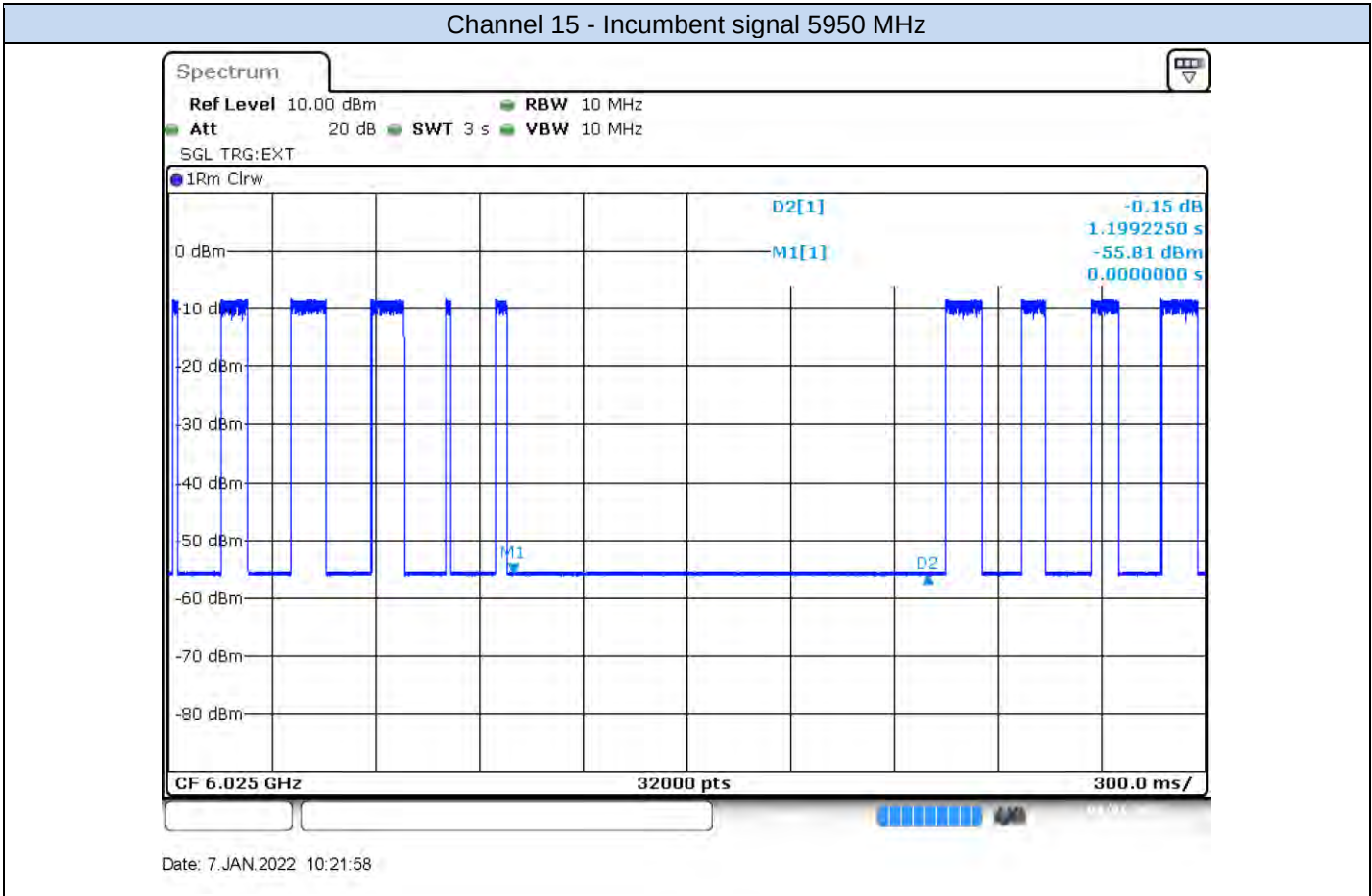
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal



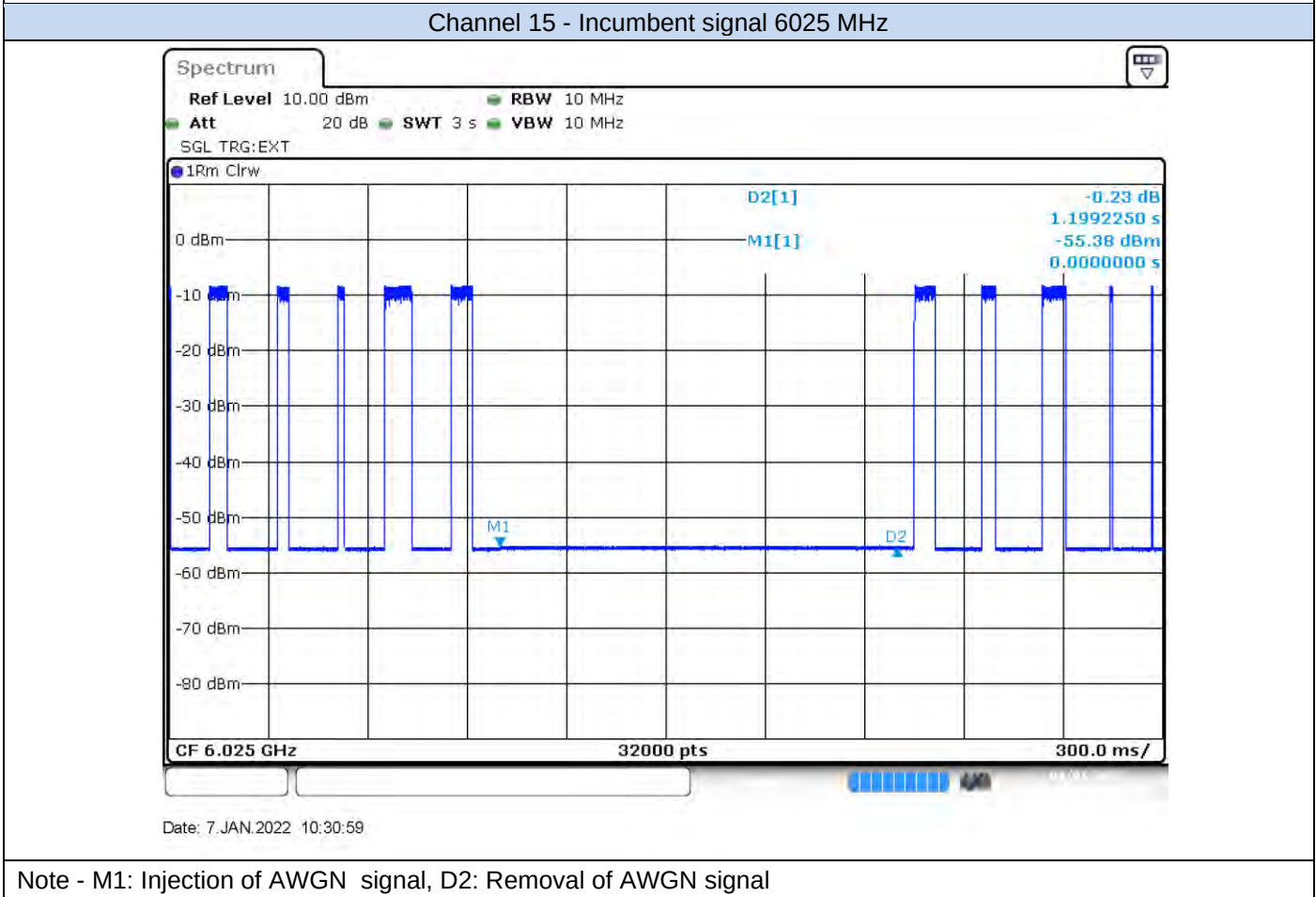
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal



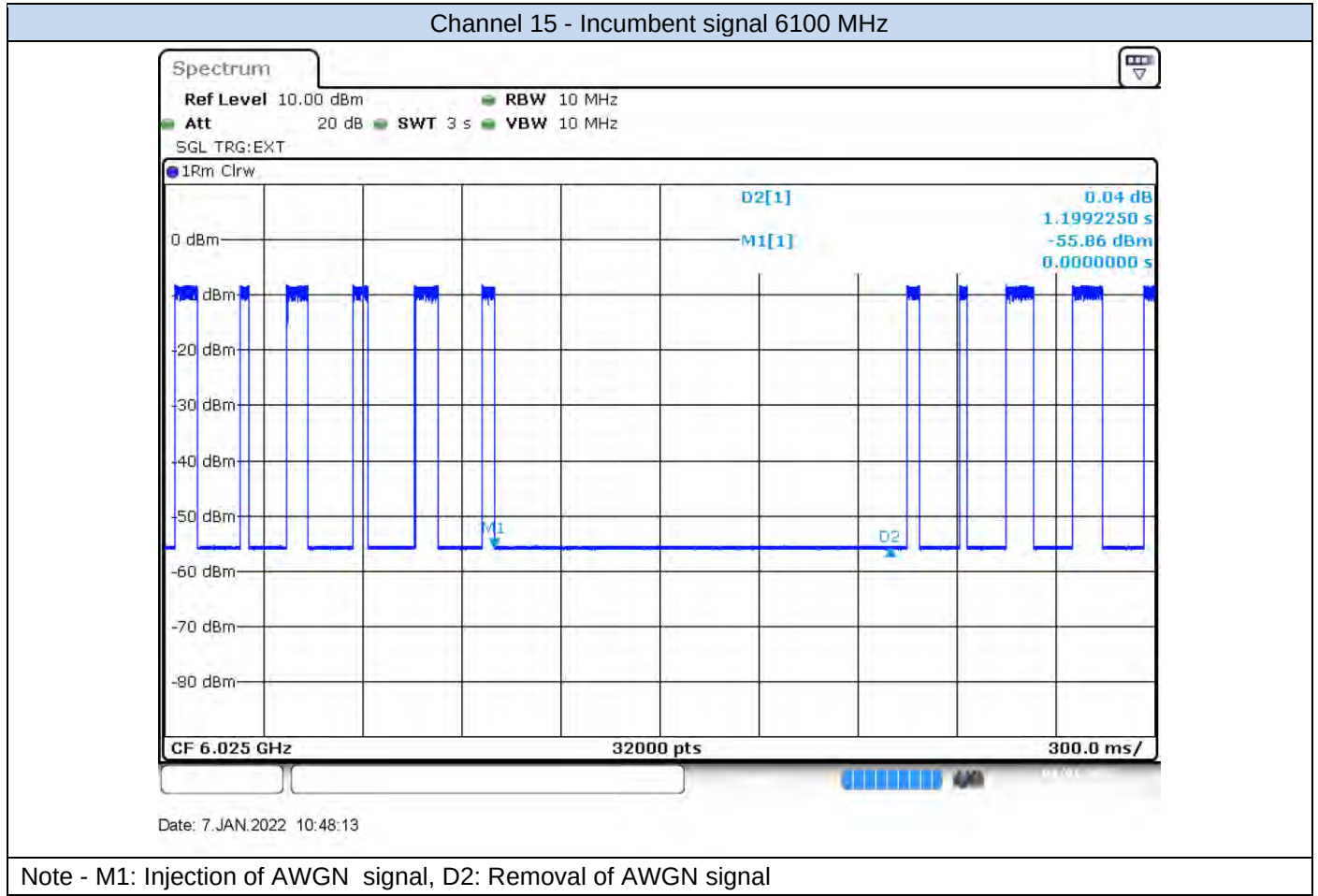
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal

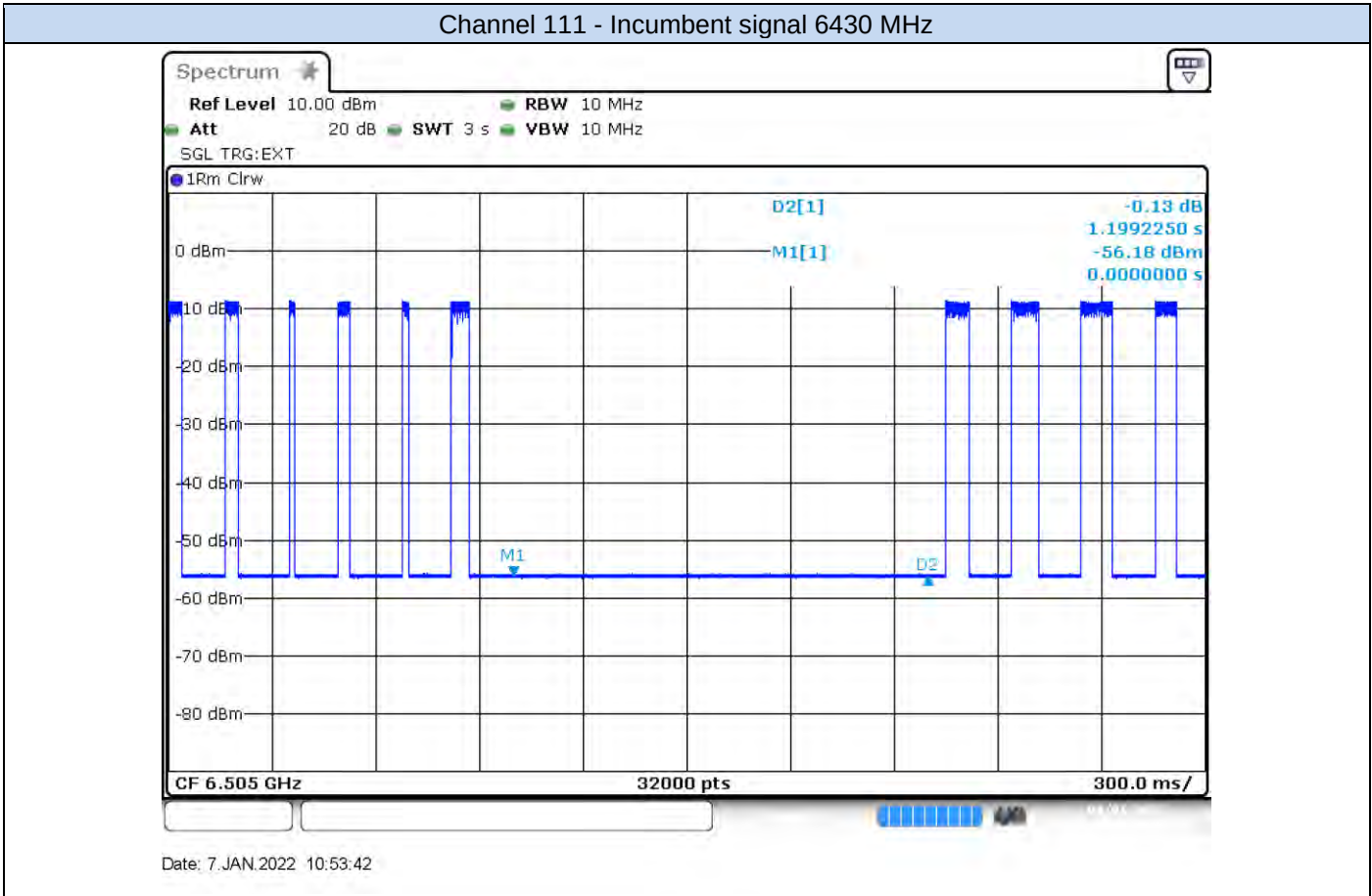


Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal

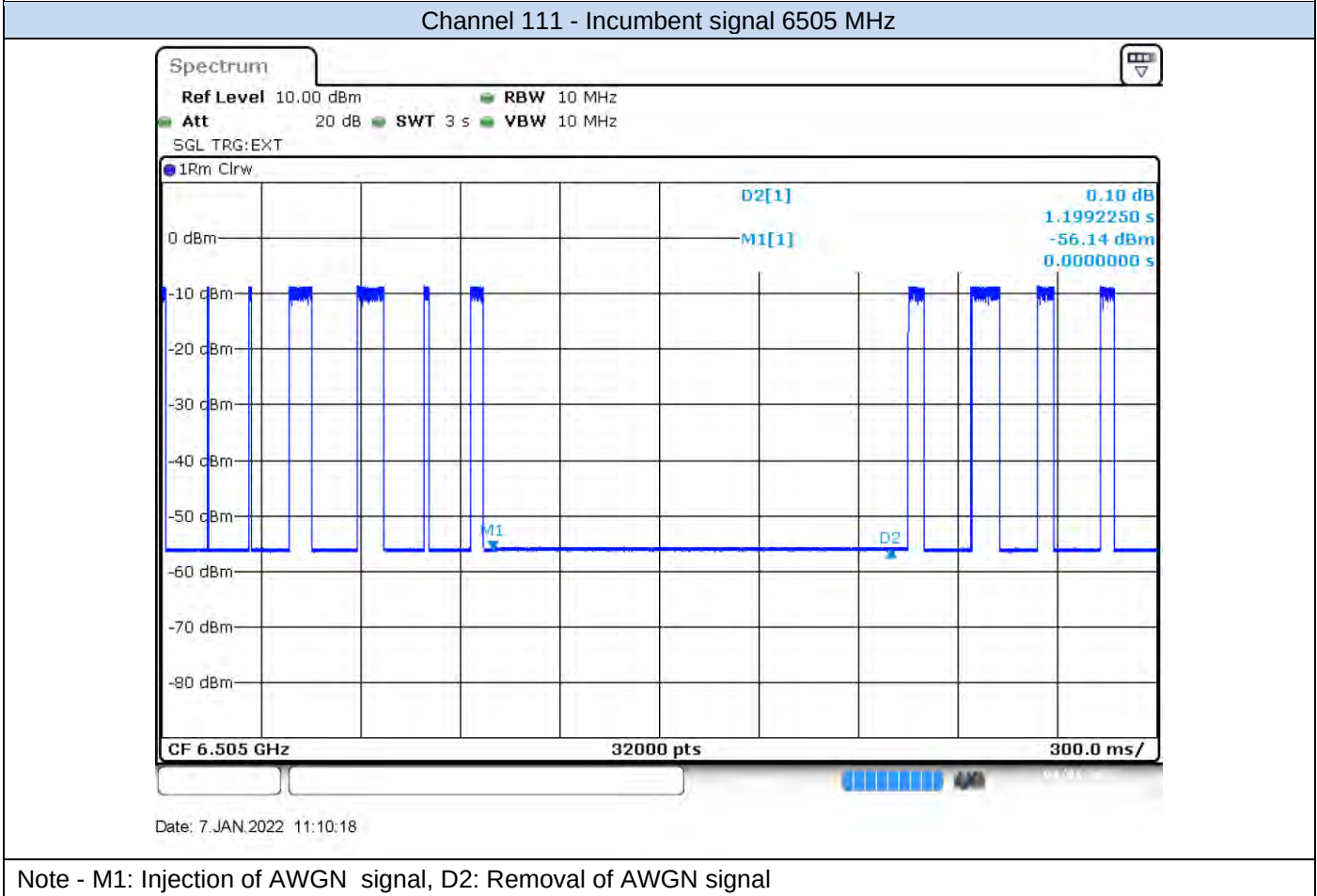


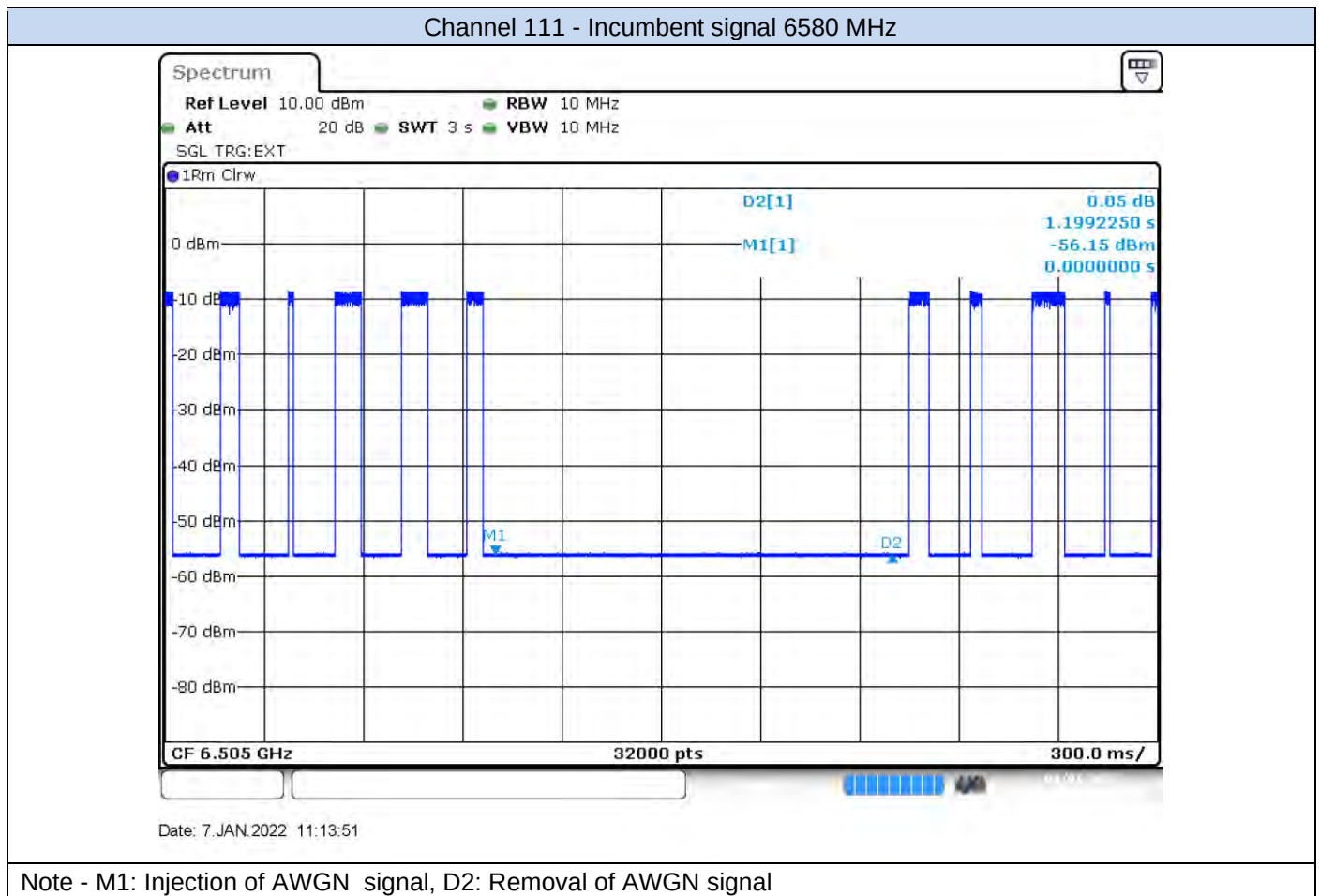
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal

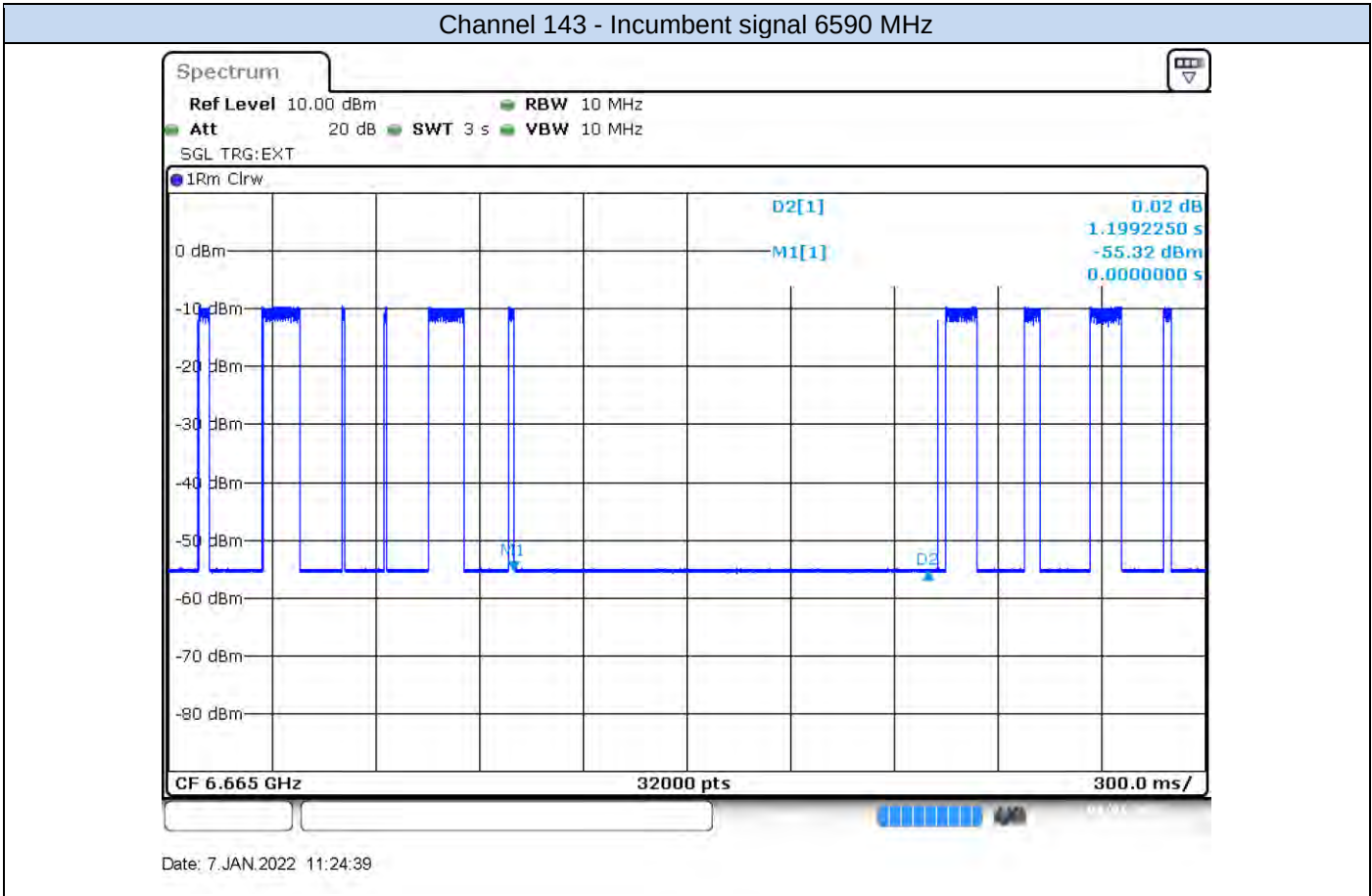




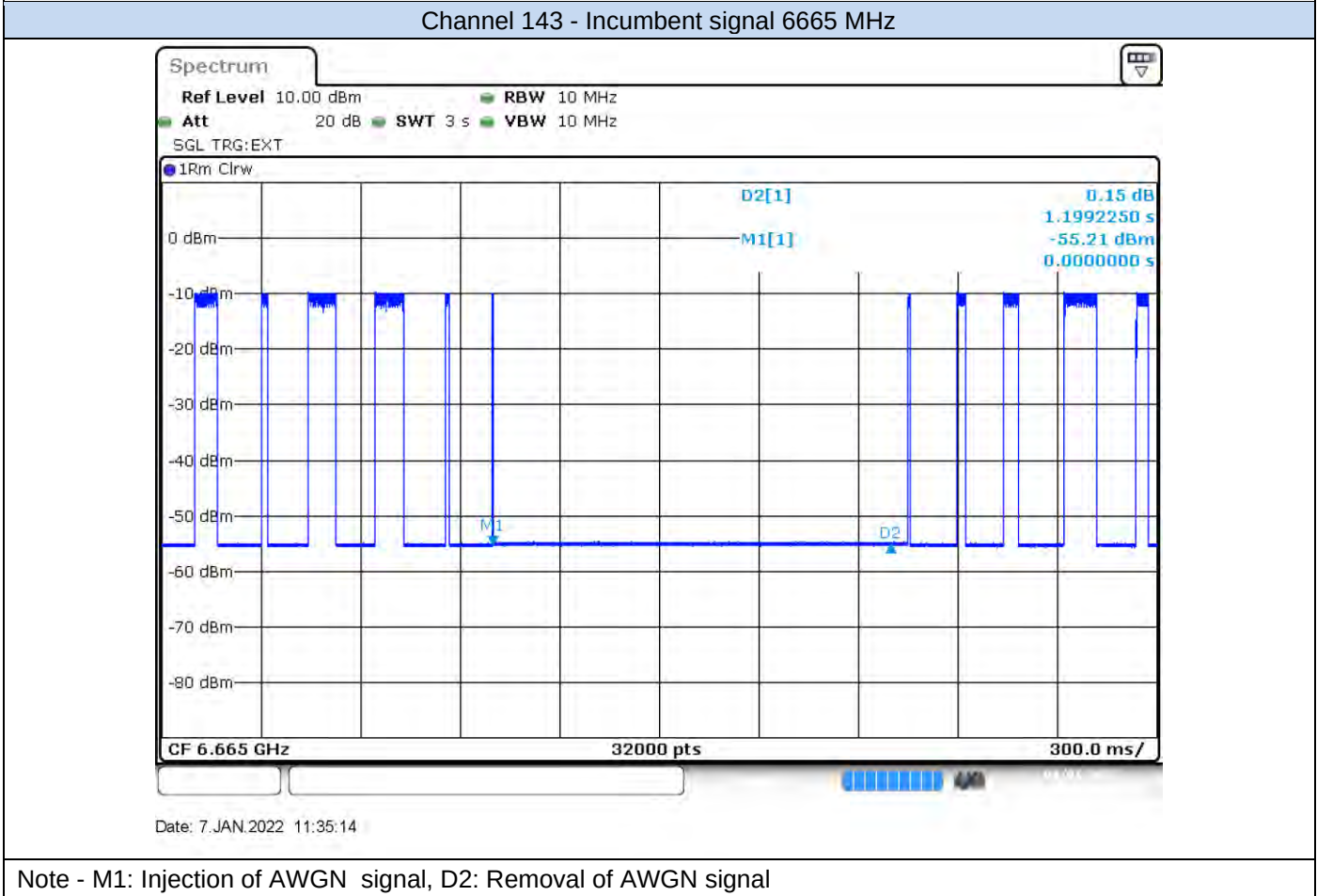
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal



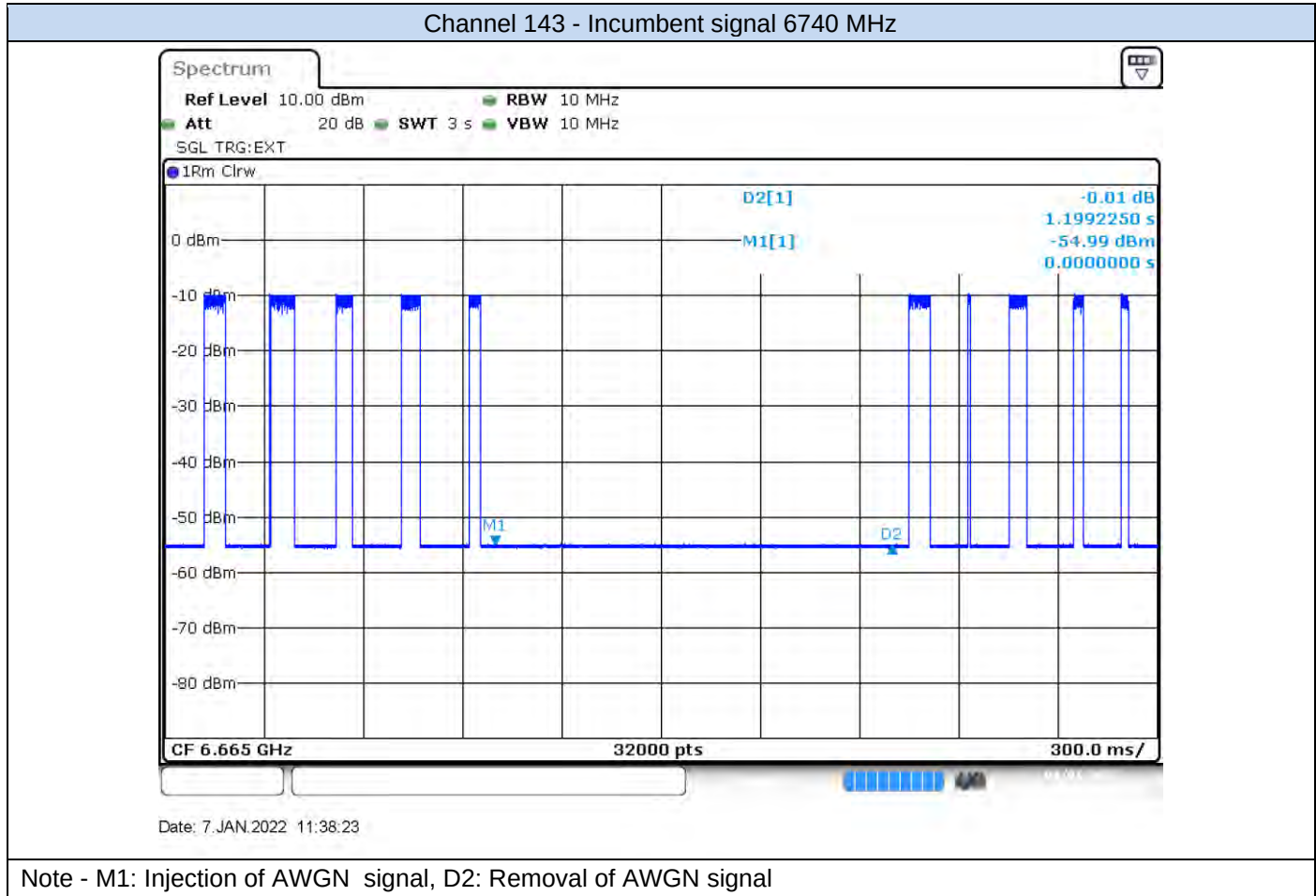


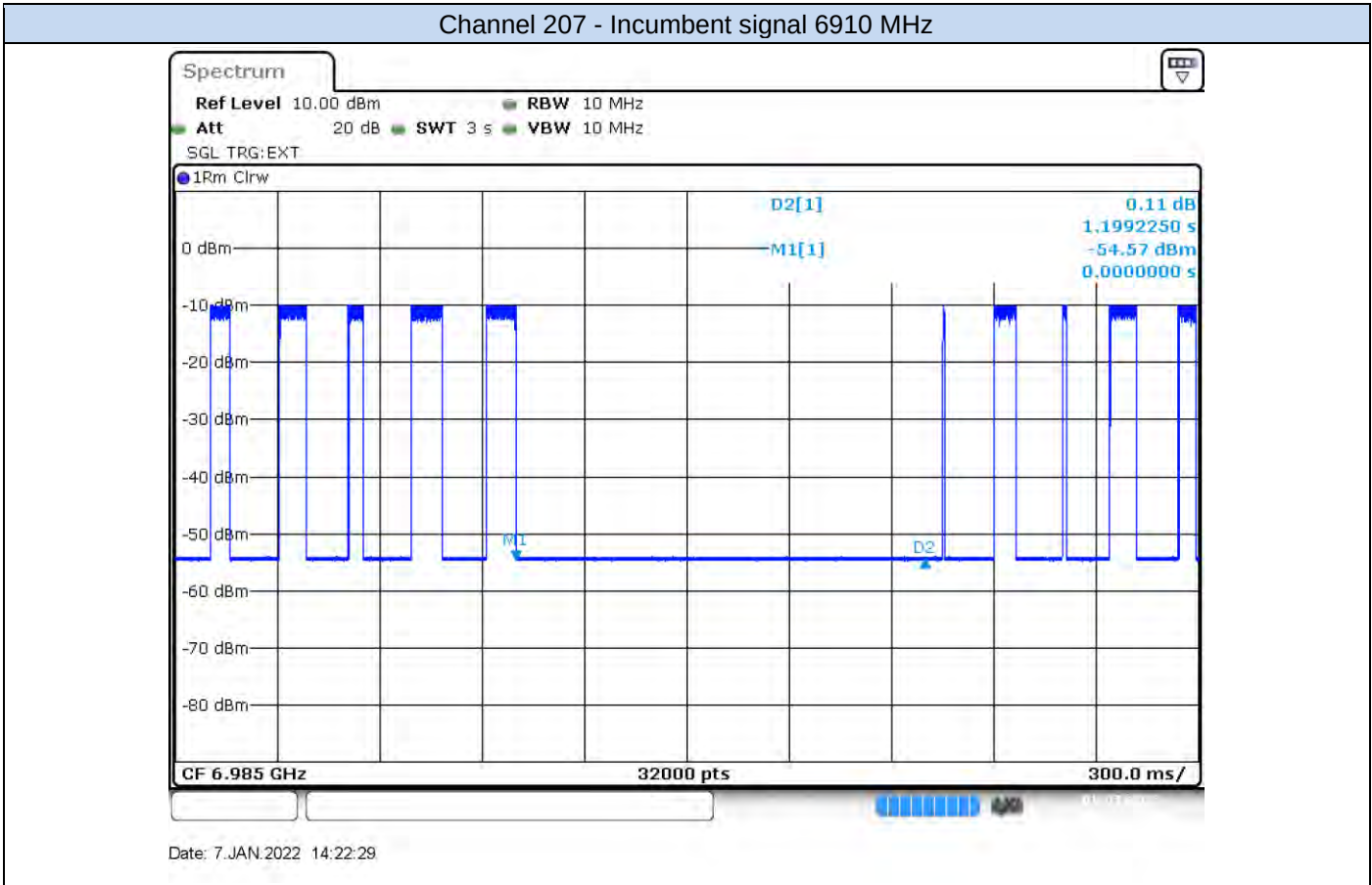


Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal

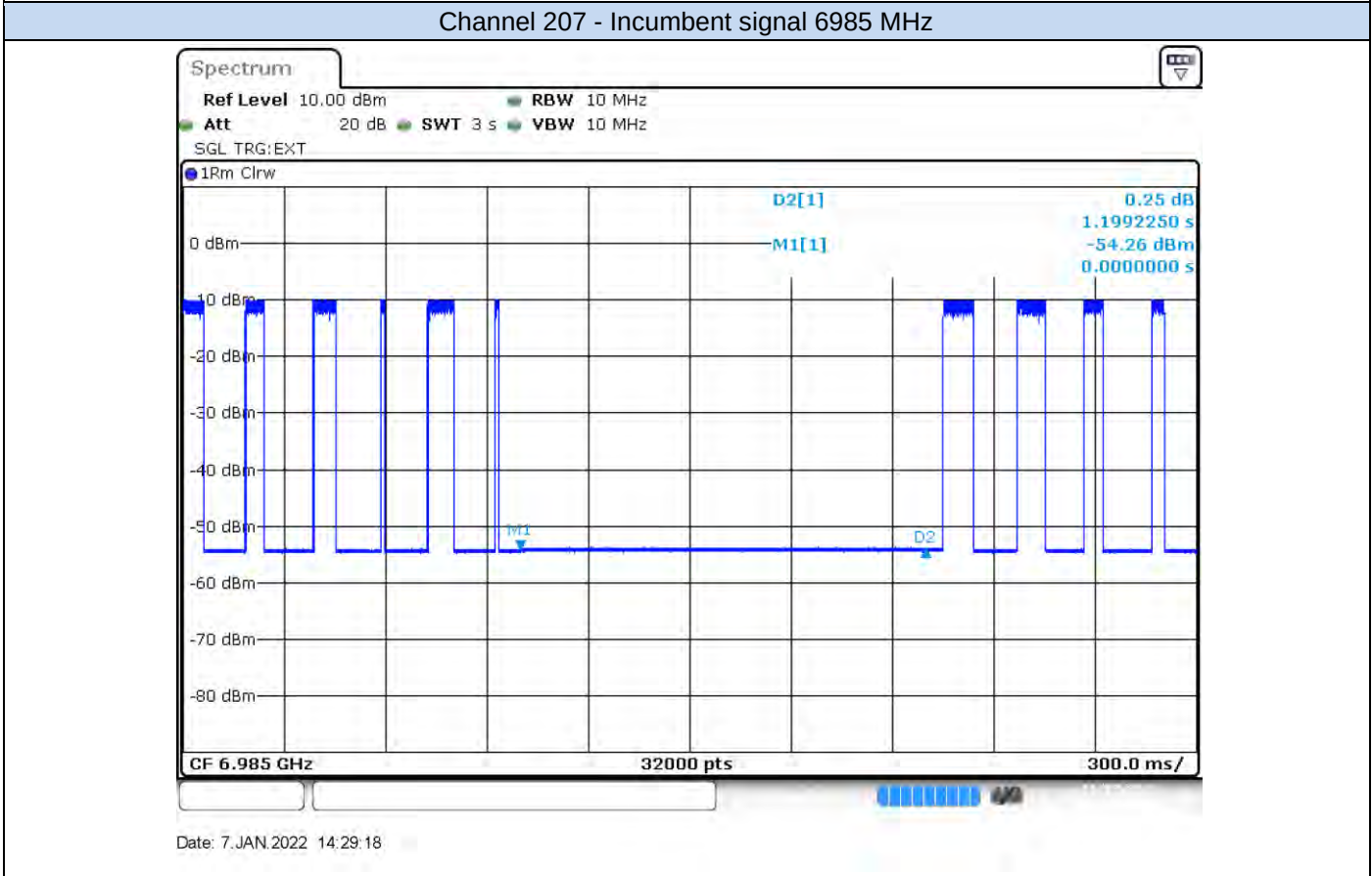


Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal

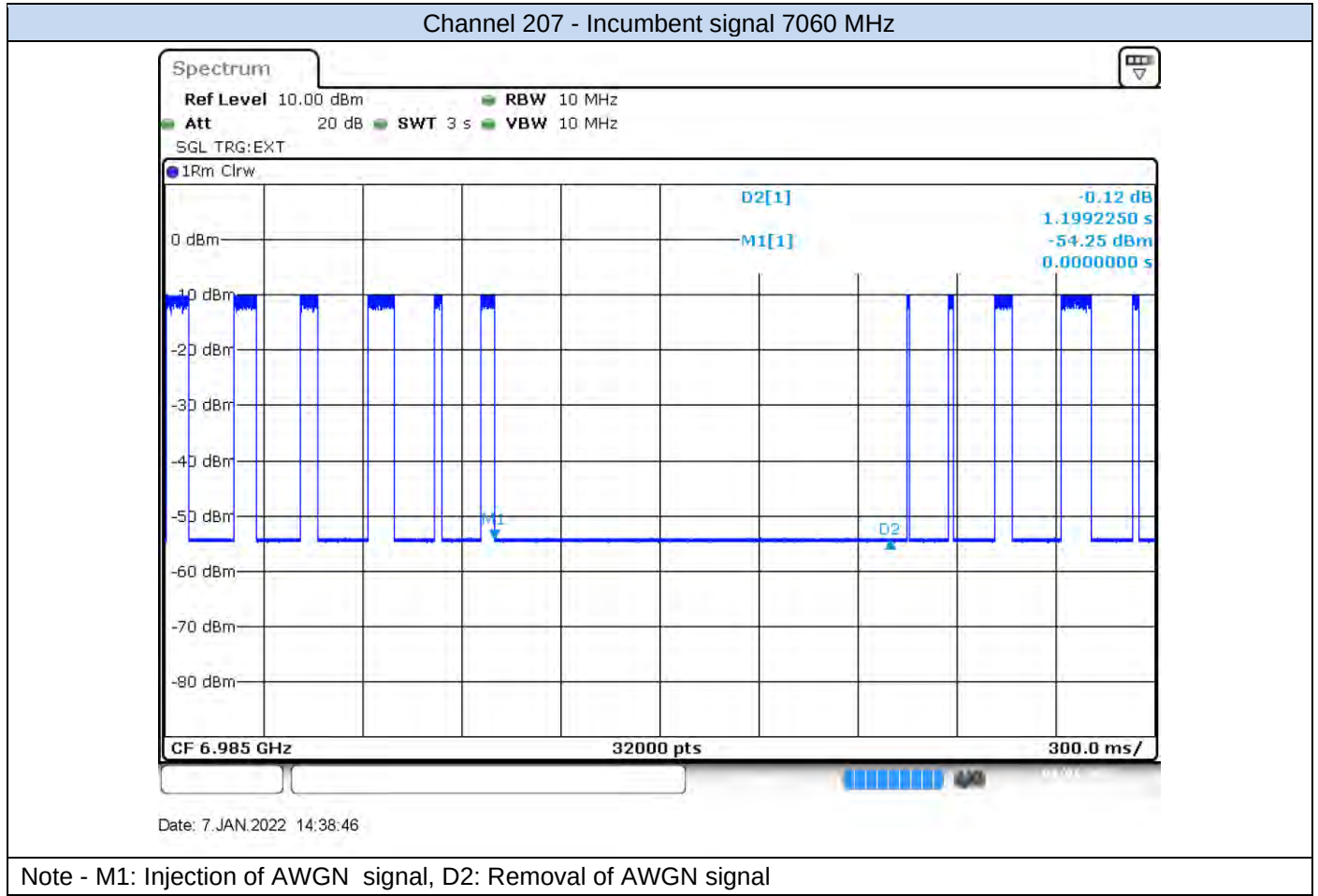




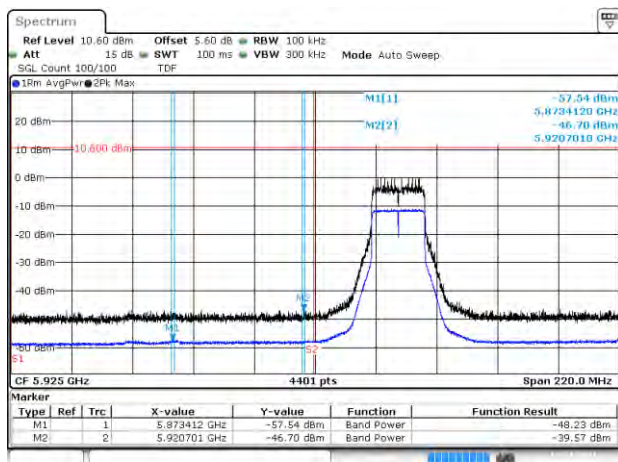
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal



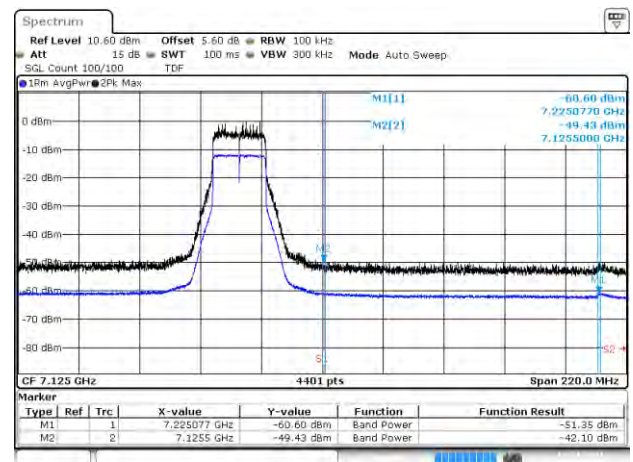
Note - M1: Injection of AWGN signal, D2: Removal of AWGN signal



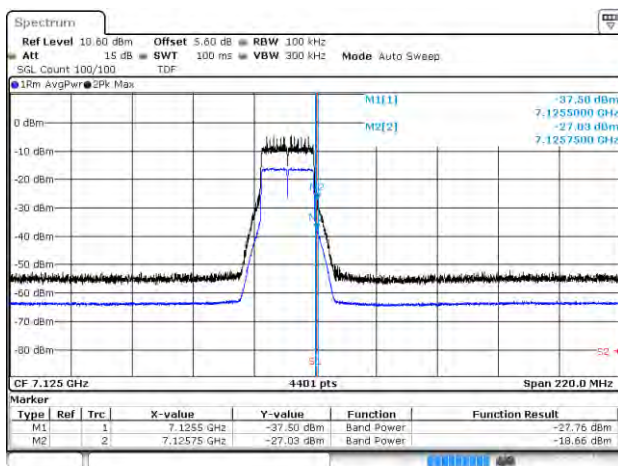
C.1.5 Undesirable emission limits : out of band (Conducted)



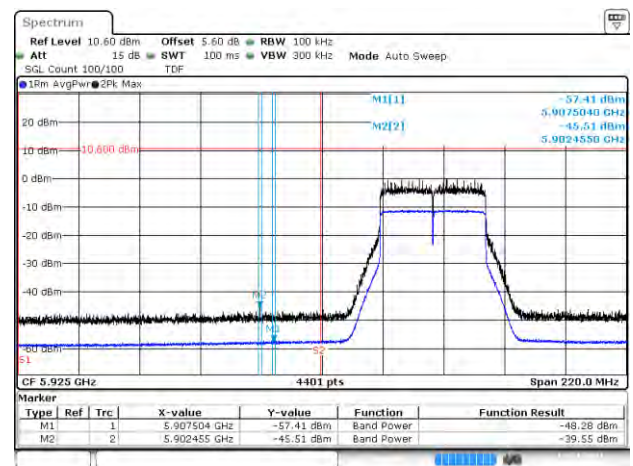
BE-NR-LOW, SISO-A, 802.11ax20-HE0, Ch1



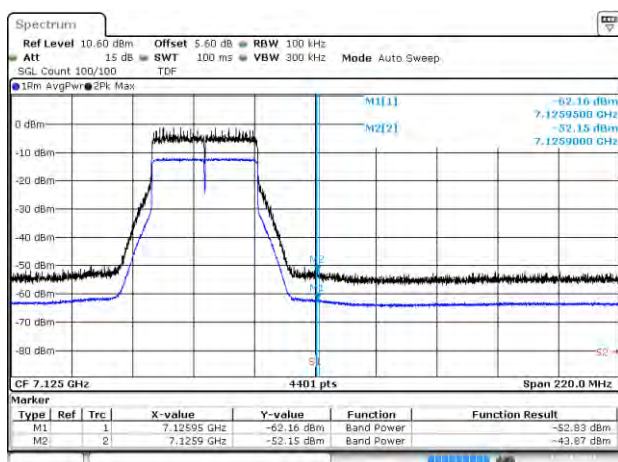
BE-NR-HIGH, SISO-A, 802.11ax20-HE0, Ch229



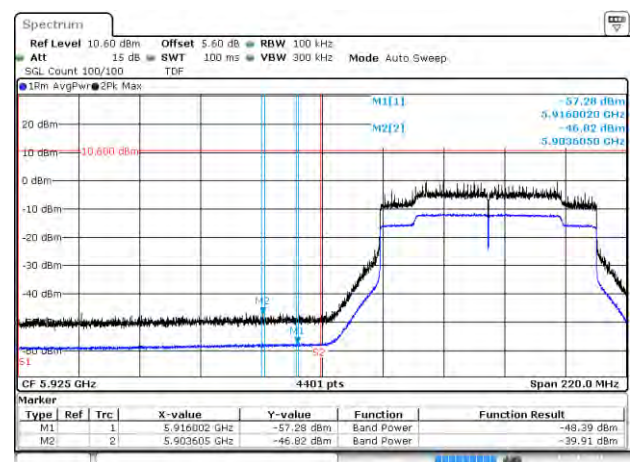
BE-NR-HIGH, SISO-A, 802.11ax20-HE0, Ch233



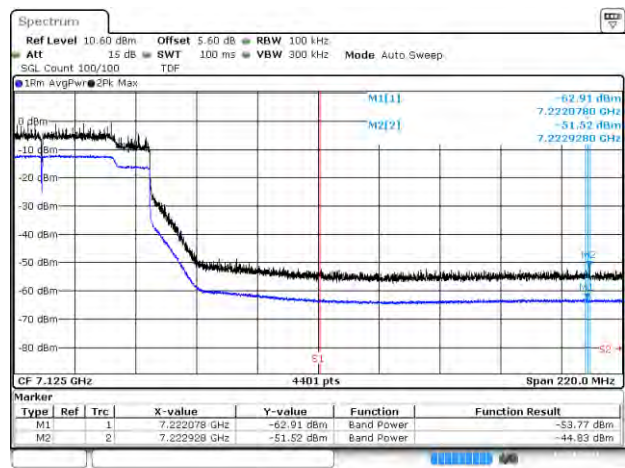
BE-NR-LOW, SISO-A, 802.11ax40-HE0, Ch3



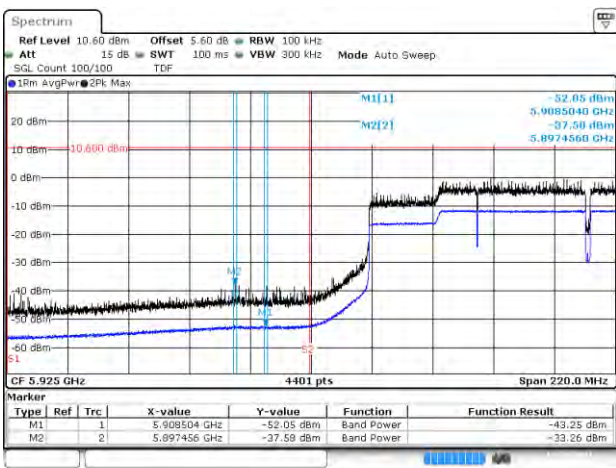
BE-NR-HIGH, SISO-A, 802.11ax40-HE0, Ch227



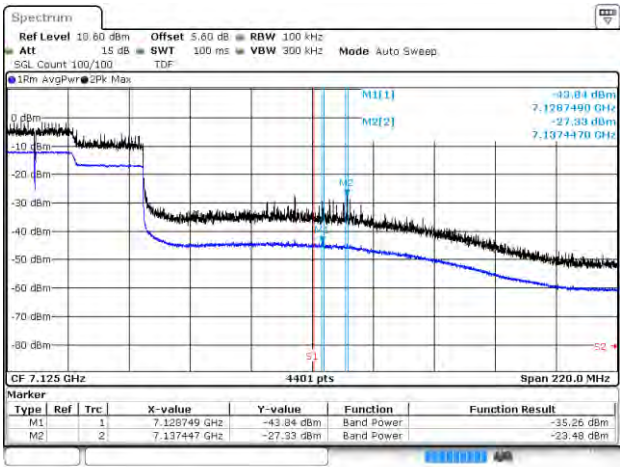
BE-NR-LOW, SISO-A, 802.11ac80-HE0, Ch7



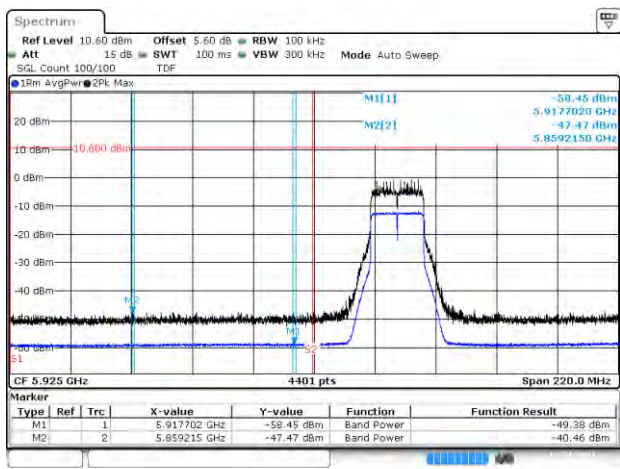
BE-NR-HIGH, SISO-A, 802.11ac80-HE0, Ch215



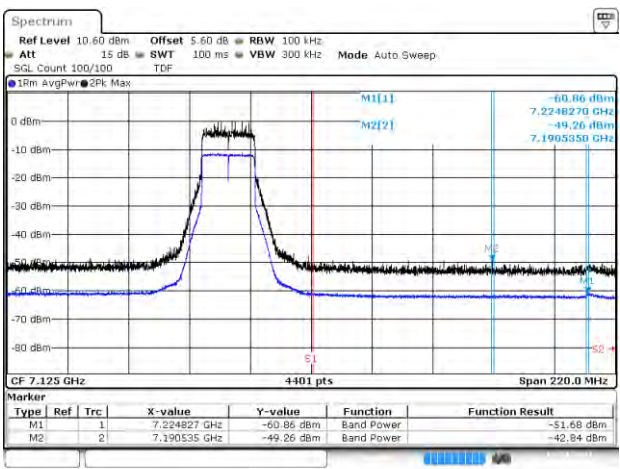
BE-NR-LOW, SISO-A, 802.11ac160-HE0, Ch15



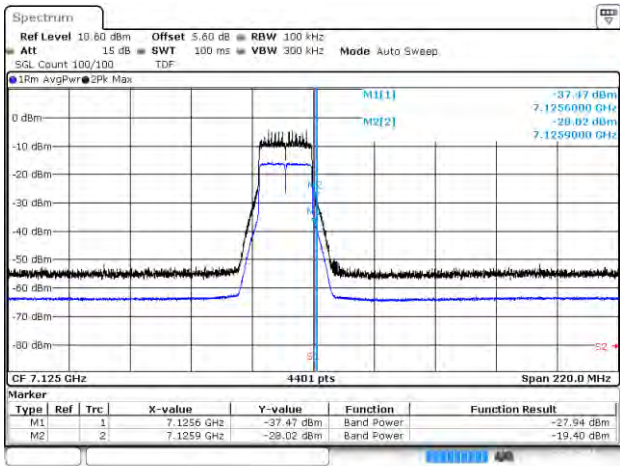
BE-NR-HIGH, SISO-A, 802.11ac160-HE0, Ch207



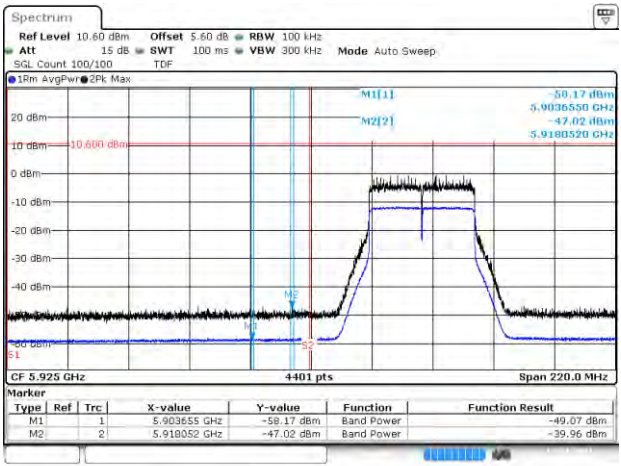
BE-NR-LOW, SISO-B, 802.11ax20-HE0, Ch1



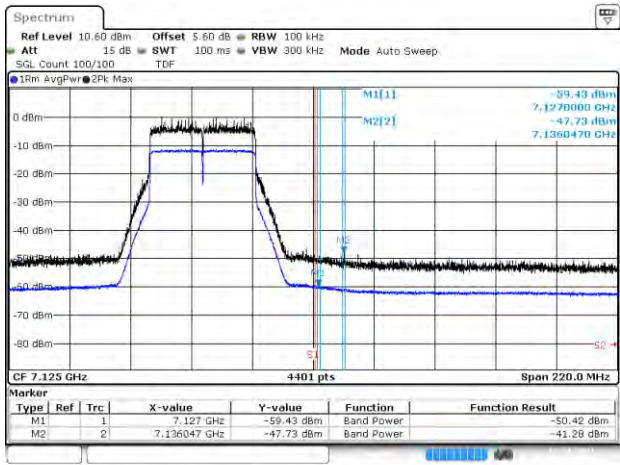
BE-NR-HIGH, SISO-B, 802.11ax20-HE0, Ch229



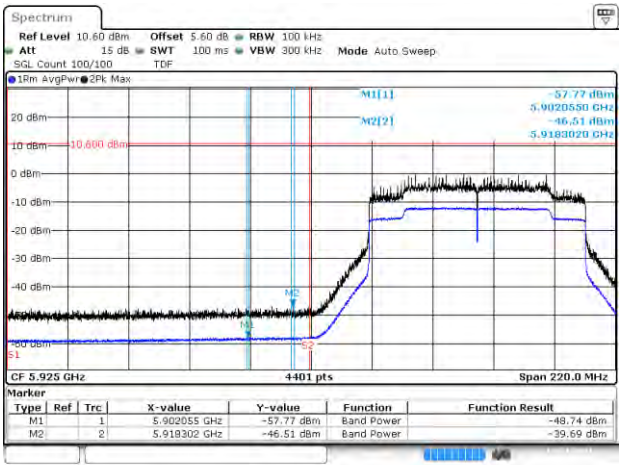
BE-NR-HIGH, SISO-B, 802.11ax20-HE0, Ch233



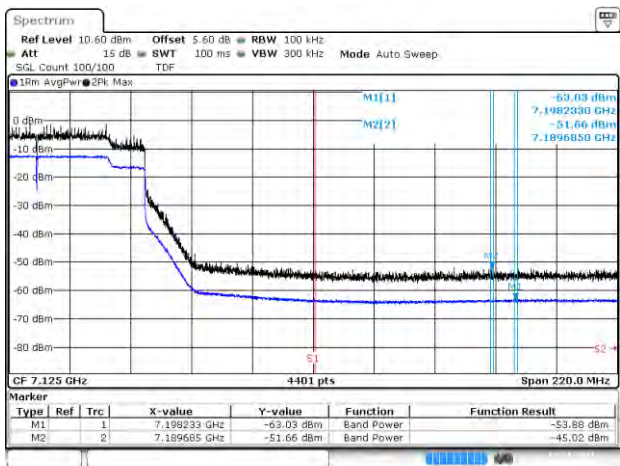
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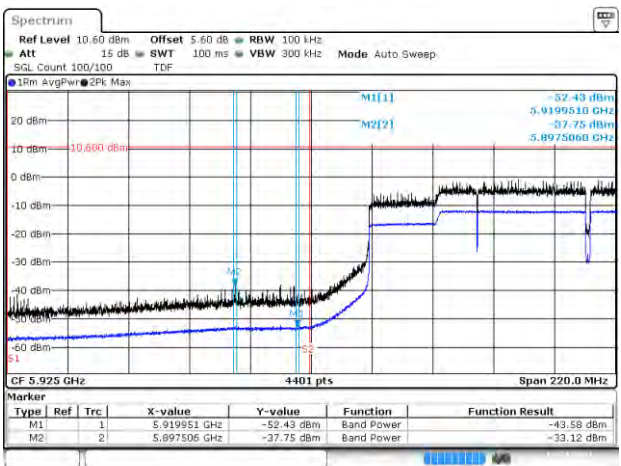
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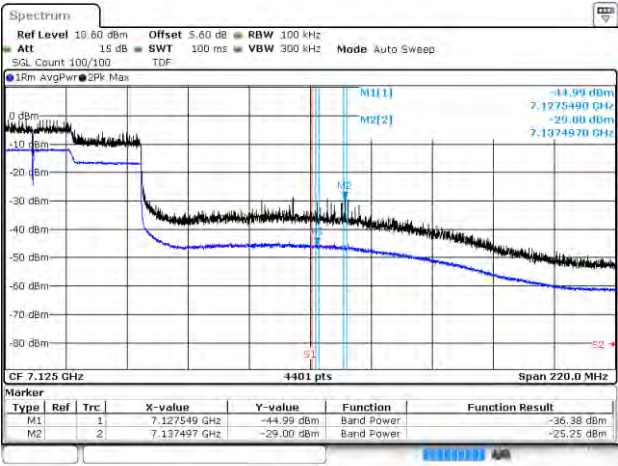
BE-NR-LOW, SISO-B, 802.11ac80-HE0, Ch7



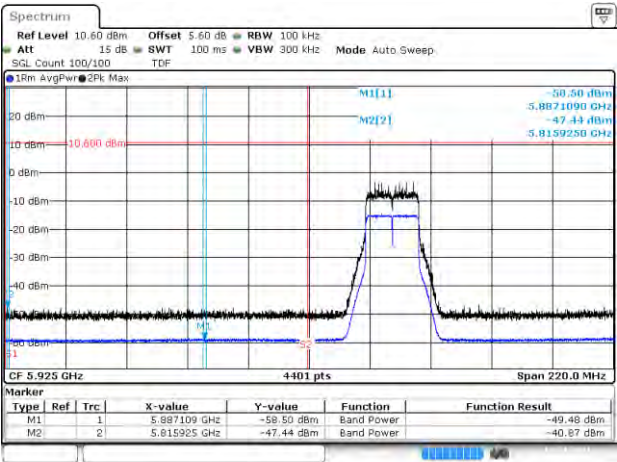
BE-NR-HIGH, SISO-B, 802.11ac80-HE0, Ch215



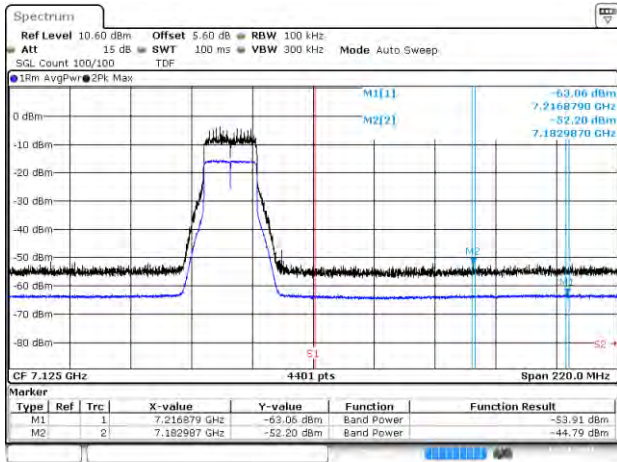
BE-NR-LOW, SISO-B, 802.11ac160-HE0, Ch15



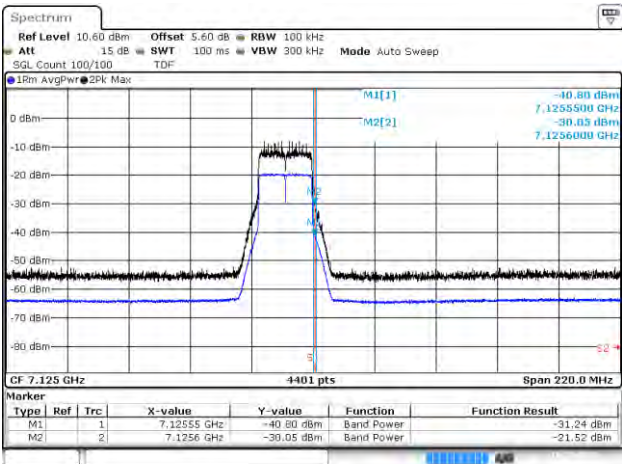
BE-NR-HIGH, SISO-B, 802.11ac160-HE0, Ch207



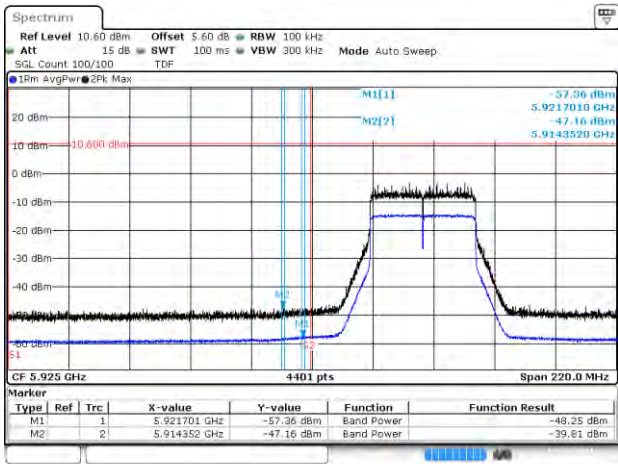
BE-NR-LOW, MIMO-A, 802.11ax20-HE0, Ch1



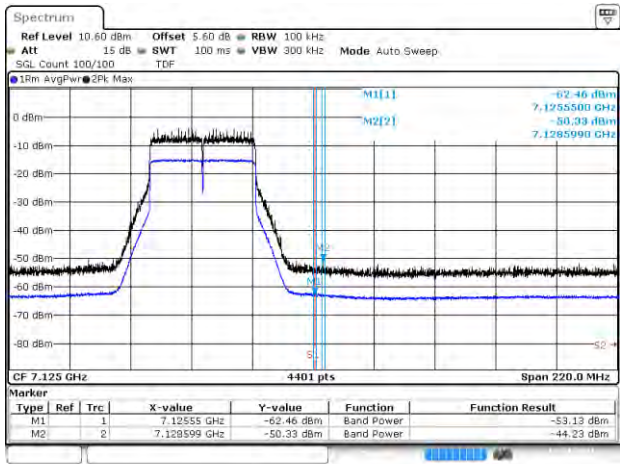
BE-NR-HIGH, MIMO-A, 802.11ax20-HE0, Ch229



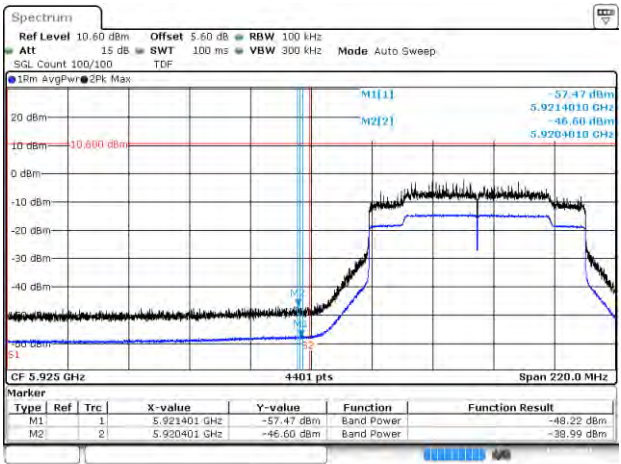
BE-NR-HIGH, MIMO-A, 802.11ax20-HE0, Ch233



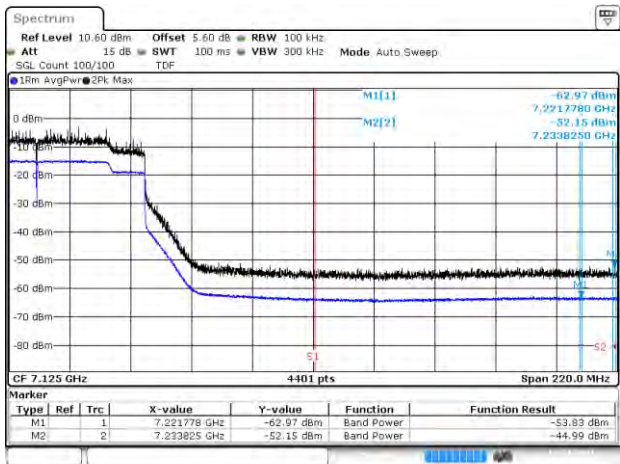
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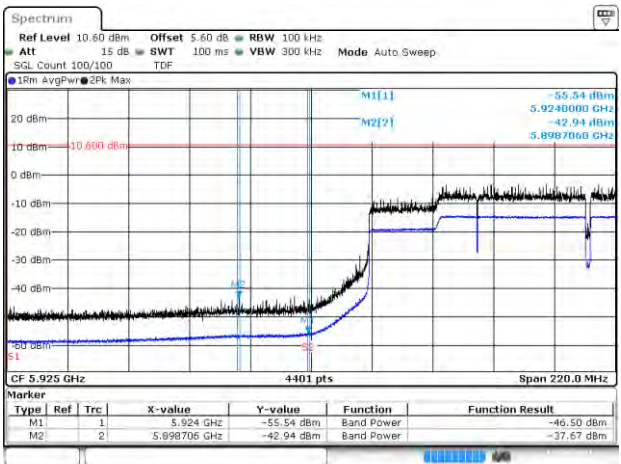
BE-NR-HIGH, MIMO-A, 802.11ax40-HE0, Ch227



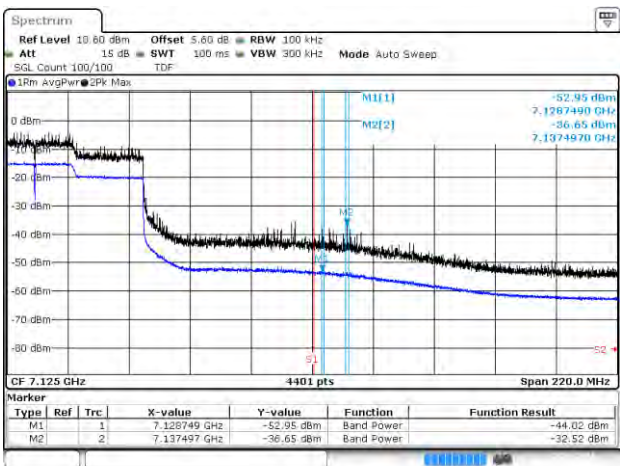
BE-NR-LOW, MIMO-A, 802.11ac80-HE0, Ch7



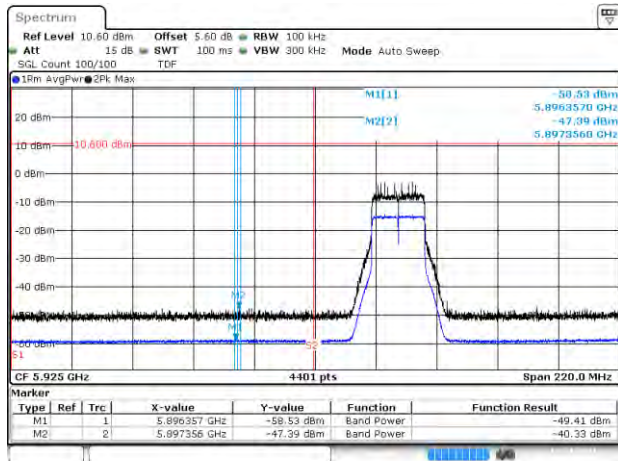
BE-NR-HIGH, MIMO-A, 802.11ac80-HE0, Ch215



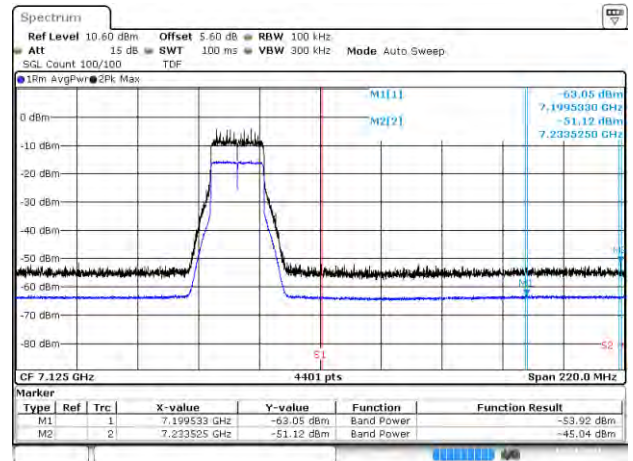
BE-NR-LOW, MIMO-A, 802.11ac160-HE0, Ch15



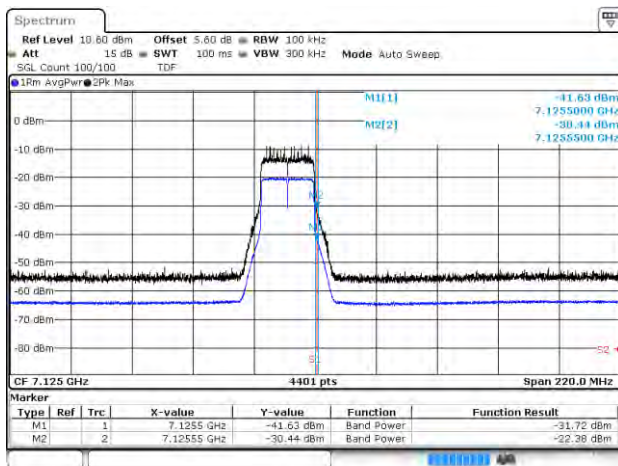
BE-NR-HIGH, MIMO-A, 802.11ac160-HE0, Ch207



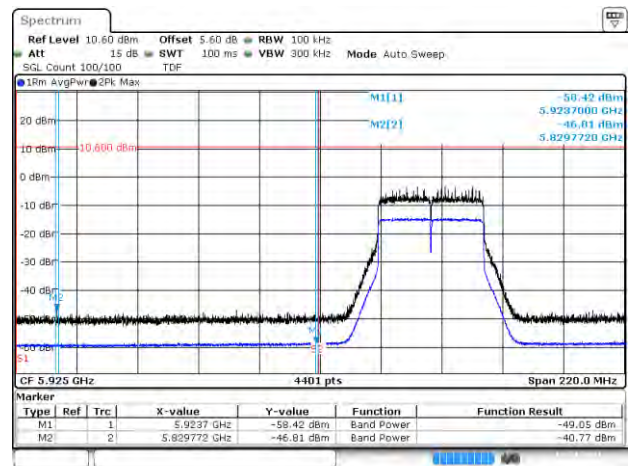
BE-NR-LOW, MIMO-B, 802.11ax20-HE0, Ch1



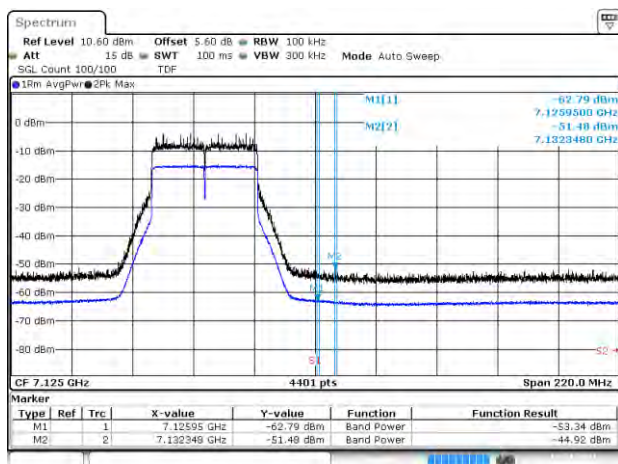
BE-NR-HIGH, MIMO-B, 802.11ax20-HE0, Ch229



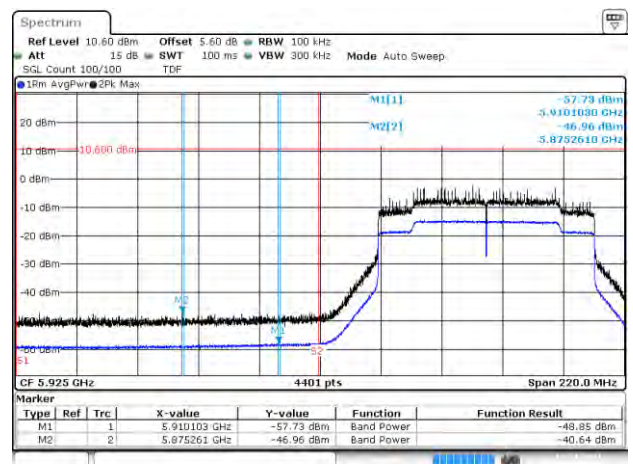
BE-NR-HIGH, MIMO-B, 802.11ax20-HE0, Ch233



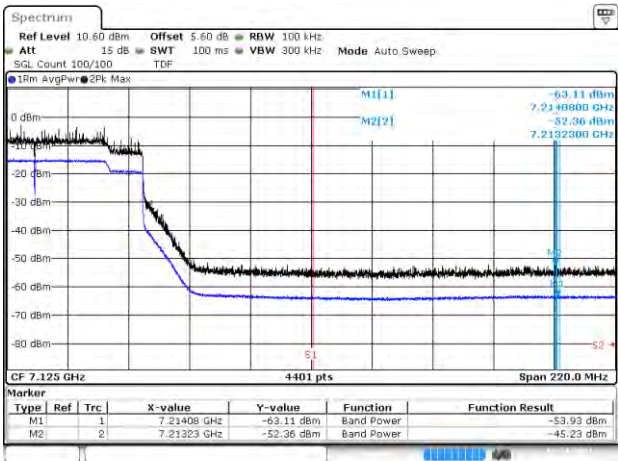
BE-NR-LOW, MIMO-B, 802.11ax40-HE0, Ch3



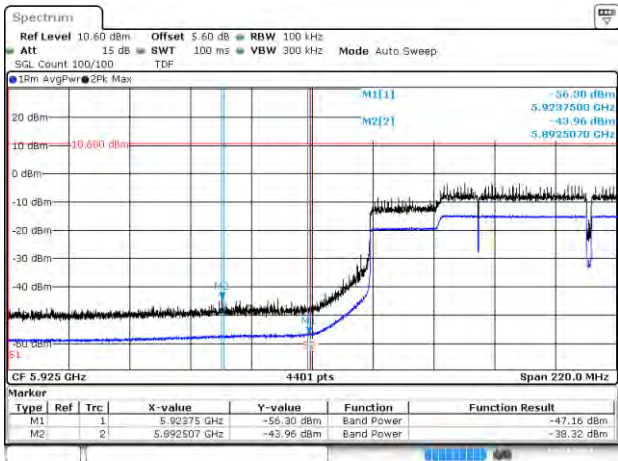
BE-NR-HIGH, MIMO-B, 802.11ax40-HE0, Ch227



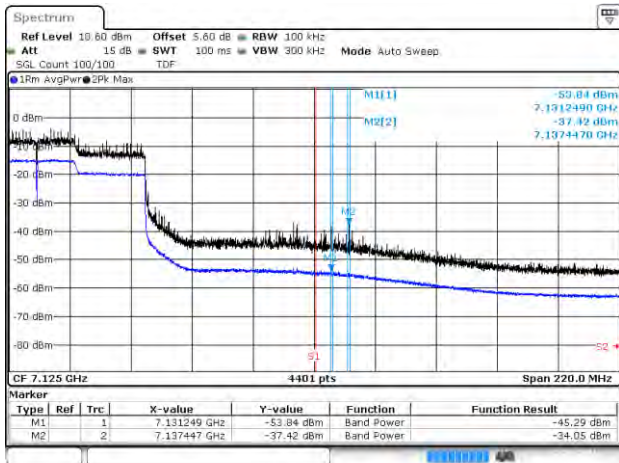
BE-NR-LOW, MIMO-B, 802.11ac80-HE0, Ch7



BE-NR-HIGH, MIMO-B, 802.11ac80-HE0, Ch215



BE-NR-LOW, MIMO-B, 802.11ac160-HE0, Ch15



BE-NR-HIGH, MIMO-B, 802.11ac160-HE0, Ch207