Partial FCC RF Test Report

APPLICANT	**:**	**ASUSTeK COMPUTER INC.**
EQUIPMENT	**:**	**ASUS Phone (Mobile Phone)**
BRAND NAME	**:**	**ASUS**
MODEL NAME	**:**	**ASUS_AI2205_E, ASUS_AI2205_F**
FCC ID	**:**	**MSQAI2205**
STANDARD	**:**	**FCC Part 15 Subpart E §15.407**
CLASSIFICATION	**:**	**15E 6 GHz Low Power Indoor Client (6XD)**
TEST DATE(S)	**:**	**Feb. 10, 2023 ~ Mar. 17, 2023**

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

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History of this test report

Report No.	Version	Description	Issued Date
FR2D3005F	01	Initial issue of report	Apr. 13, 2023
FR2D3005F	02	Removed related information for BW 320MHz.	Jun. 02, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)(10)	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)(8)	Maximum Conducted Output Power	Reporting only	-
3.2	15.407(a)(8)	Fundamental Maximum EIRP	Pass	-
3.3	15.407(a)(8)	Fundamental Power Spectral Density	Pass	-
3.4	15.407(b)(6)	In-Band Emissions (Channel Mask)	Pass	-
3.5	15.407(d)(6)	Contention Based Protocol	Not Performed	1
3.5	15.407(b)	Unwanted Emissions	Pass	Under limit 2.03 dB at 7125.00 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 8.81 dB at 0.15 MHz
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Remark 1: The test report for Contention Based Protocol will be issued separately.

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

1.2 Manufacturer

ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	ASUS Phone (Mobile Phone)
Brand Name	ASUS
Model Name	ASUS_AI2205_E, ASUS_AI2205_F
FCC ID	MSQAI2205
IMEI Code/SN	Conducted: 357795480101637/357795480101645 Conduction: 355156850100851/355156850100869 Radiation: 355156850101198/355156850101206 for Sample 1 350217060101033/350217060101041 for Sample 2
HW Version	R2.0
SW Version	Android 13
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are four SKUs of EUT for this project. The differences between them are summary below, According to the difference, we evaluate SKU1 (ASUS_AI2205_F) to perform full test and SKU2 (ASUS_AI2205_E) is verified worse case for RSE testing.

Sample list				
	SKU1	**SKU2**	**SKU3**	**SKU4**
Model name	**ASUS_AI2205_F**	**ASUS_AI2205_E**	**ASUS_AI2205_F**	**ASUS_AI2205_E**
Config.	US(Pro)	US(Entry)	US(Pro)	US(Entry)
RF module board	US(Pro)	US(Entry)	US(Pro)	US(Entry)
LCD+Touch front frame	AI2205 FRONT CASE ASSY WW	AI2205 FRONT CASE ASSY WW	AI2205 FRONT CASE ASSY WW	AI2205 FRONT CASE ASSY WW
DDR	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B
UFS	512G(Kioxia)(UFS4.0) Kioxia / THGJFJT2T85BAT0	512G(Samsung)(UFS4.0) Samsung /KLUFG8RHHD-B0G1	512G(Kioxia)(UFS4.0) Kioxia / THGJFJT2T85BAT0	512G(Samsung)(UFS4.0) Samsung /KLUFG8RHHD-B0G1
MB	AI2205_MB	AI2205_MB	AI2205_MB	AI2205_MB
Back cover	WW-Dark-Ult	WW-Light-Entry	WW-Dark-Ult	WW-Light-Entry

Battery	SCUD / C21P2101	SWD / C21P2101	SWD / C21P2101	SCUD / C21P2101
Rear Camera 50+13M	SHINETECH/CDN60B	TRIPLEWIN/CASDA-002A1	TRIPLEWIN/CASDA-002A1	SHINETECH/CDN60B
Front Camera 32M	TSPRECISION/TVHF2170	SHINETECH/ST-CMG07B	SHINETECH/ST-CMG07B	TSPRECISION/TVHF2170
Rear Camera 5M	HUNAN KINGCOME/KBFE378	TSPRECISION/TV8F2224	TSPRECISION/TV8F2224	HUNAN KINGCOME/KBFE378
PCB	COMPEQ	COMPEQ	COMPEQ	COMPEQ
CPU	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	U-NII-5: 5925 MHz ~ 6425 MHz U-NII-6: 6425 MHz ~ 6525 MHz U-NII-7: 6525 MHz ~ 6875 MHz U-NII-8: 6875 MHz ~ 7125 MHz
Maximum EIRP	**<5925 MHz ~ 7125 MHz >** **<MIMO Ant.5+4>** 802.11a : 9.64 dBm / 0.0092 W 802.11n HT20 : 10.16 dBm / 0.0104 W 802.11n HT40 : 13.38 dBm / 0.0218 W 802.11ac VHT20 : 10.13 dBm / 0.0103 W 802.11ac VHT40 : 13.34 dBm / 0.0216 W 802.11ac VHT80 : 16.03 dBm / 0.0401 W 802.11ac VHT160 : 15.29 dBm / 0.0338 W 802.11ax HE20 : 10.20 dBm / 0.0105 W 802.11ax HE40 : 13.40 dBm / 0.0219 W 802.11ax HE80 : 16.03 dBm / 0.0401 W 802.11ax HE160 : 15.38 dBm / 0.0345 W 802.11be EHT20 : 10.29 dBm / 0.0107 W 802.11be EHT40 : 13.50 dBm / 0.0224 W 802.11be EHT80 : 16.15 dBm / 0.0412 W 802.11be EHT160 : 15.48 dBm / 0.0353 W **<MIMO Ant.5+6>** 802.11a : 9.53 dBm / 0.0090 W 802.11n HT20 : 10.09 dBm / 0.0102 W 802.11n HT40 : 12.10 dBm / 0.0162 W 802.11ac VHT20 : 10.07 dBm / 0.0102 W 802.11ac VHT40 : 12.08 dBm / 0.0161 W 802.11ac VHT80 : 14.71 dBm / 0.0296 W 802.11ac VHT160 : 12.80 dBm / 0.0191 W 802.11ax HE20 : 10.13 dBm / 0.0103 W 802.11ax HE40 : 12.11 dBm / 0.0163 W 802.11ax HE80 : 14.75 dBm / 0.0299 W 802.11ax HE160 : 12.94 dBm / 0.0197 W 802.11be EHT20 : 10.22 dBm / 0.0105 W 802.11be EHT40 : 12.22 dBm / 0.0167 W 802.11be EHT80 : 14.84 dBm / 0.0305 W 802.11be EHT160 : 13.10 dBm / 0.0204 W
99% Occupied Bandwidth	**<MIMO Ant.5+4>** 802.11a : 18.142 MHz 802.11 be EHT20 : 19.540 MHz 802.11 be EHT40 : 38.681 MHz

	802.11 be EHT80 : 79.441 MHz 802.11 be EHT160 : 159.201 MHz **<MIMO Ant.5+6>** 802.11a : 18.142 MHz 802.11 be EHT20 : 19.540 MHz 802.11 be EHT40 : 38.841 MHz 802.11 be EHT80 : 79.121 MHz 802.11 be EHT160 : 159.201 MHz
Antenna Type / Gain	**<5925 MHz ~ 6425 MHz >** <Ant. 4> : PIFA Antenna with gain -0.50 dBi <Ant. 5> : PIFA Antenna with gain 0.59 dBi <Ant. 6> : PIFA Antenna with gain -0.22 dBi **<6425 MHz ~ 6525 MHz >** <Ant. 4> : PIFA Antenna with gain -4.20 dBi <Ant. 5> : PIFA Antenna with gain -0.51 dBi <Ant. 6> : PIFA Antenna with gain -0.47 dBi **<6525 MHz ~ 6875 MHz >** <Ant. 4> : PIFA Antenna with gain -4.50 dBi <Ant. 5> : PIFA Antenna with gain -0.51 dBi <Ant. 6> : PIFA Antenna with gain -0.53 dBi **<6875 MHz ~ 7125 MHz >** <Ant. 4> : PIFA Antenna with gain -2.70 dBi <Ant. 5> : PIFA Antenna with gain -1.22 dBi <Ant. 6> : PIFA Antenna with gain -1.30 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) 802.11be: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM)

Remark:

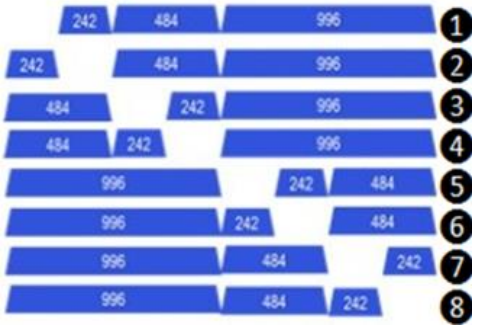
1. For 802.11n/ac/ax/be 20/40/80/160MHz mode, the whole testing has assessed only 802.11be EHT20/ EHT40/ EHT80/ EHT160MHz by referring to the higher output power.
2. For WLAN SISO & MIMO mode, the whole testing assess MIMO mode to cover SISO mode.
3. The device supports WLAN MIMO Ant.5+4 for normal mode and switch to MIMO Ant.5+6 for camera mode.
4. U-NII-5/-6/-7/-8 can't transmit simultaneously.
5. 802.11ax/be support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) are tested for conducted power/PSD/Channel Mask in appendix A, all the other test case were performed with full RU with its maximum power/PSD.
6. 802.11be support small size RU, Large size RU and Puncturing modes as below, which is less than full RU conducted power, therefore have assessed only Power Density/RSE.

   <Small size RU>:
   a. For Low channel, 52Tone_Index38 + 26Tone_Index1 and 106Tone_Index53 + 26Tone_Index4.
   b. For High channel, 52Tone_Index39 + 26Tone_Index7 and 106Tone_Index54 + 26Tone_Index4.

<Large size RU>:

BWs/channels	Tones	Index	For test modes configure
80MHz ch07 / ch215 (RU 484+242)			2 & 4
160MHz ch15 / ch207 (RU 996+484)			3 & 4

<Puncturing 20MHz>:

BWs/channels	Tones	Index	For test modes configure
80MHz ch7 / ch215			1 & 2 & 3 & 4
160MHz ch15 / ch207			1 & 2 & 4 & 6 & 8

<Puncturing 40MHz>:

BWs/channels	Tones	Index	For test modes configure
160MHz ch15 / ch207			1 & 2 & 3 & 4

Only the worse cases are shown in this report.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-SZ TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH01-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b

1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y/Z plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

<U-NII-5, 6, 7, 8>

BW 20M	**Channel**	2	1	5	9	13	17	21	25	29
	Freq. (MHz)	5935	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	**Channel**	3			11		19		27	
	Freq. (MHz)	5965			6005		6045		6085	
BW 80M	**Channel**	7					23			
	Freq. (MHz)	5985					6065			
BW 160M	**Channel**	15								
	Freq. (MHz)	6025								

BW 20M	**Channel**	33	37	41	45	49	53	57	61
	Freq. (MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	**Channel**	35		43		51		59	
	Freq. (MHz)	6125		6165		6205		6245	
BW 80M	**Channel**	39				55			
	Freq. (MHz)	6145				6225			
BW 160M	**Channel**	47							
	Freq. (MHz)	6185							

BW 20M	Channel	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	Channel	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	Channel	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	Channel	79							
	Freq. (MHz)	6345							

BW 20M	Channel	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	Channel	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	Channel	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	Channel	111							
	Freq. (MHz)	6505							

BW 20M	Channel	129	133	137	141	145	149	153	157
	Freq. (MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	Channel	131		139		147		155	
	Freq. (MHz)	6605		6645		6685		6725	
BW 80M	Channel	135				151			
	Freq. (MHz)	6625				6705			
BW 160M	Channel	143							
	Freq. (MHz)	6665							

BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							

BW 20M	Channel	193	197	201	205	209	213	217	221
	Freq. (MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	Channel	195		203		211		219	
	Freq. (MHz)	6925		6965		7005		7045	
BW 80M	Channel	199				215			
	Freq. (MHz)	6945				7025			
BW 160M	Channel	207							
	Freq. (MHz)	6985							

BW 20M	Channel	225	229	233
	Freq. (MHz)	7075	7095	7115
BW 40M	Channel	227		
	Freq. (MHz)	7085		

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	6 Mbps
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM 850 Idle + BT Link + WLAN(6G) Link + USB Cable 1(Charging from Adapter) + Battery 1

Co-location modes
LTE B48 Tx + WLAN 6G 802.11a CH233 Tx + WLAN 2.4G 802.11be EHT40 CH03 Tx
LTE B48 Tx + WLAN 6G 802.11a CH233 Tx + WLAN 2.4G 802.11be EHT40 CH03 Tx + BLE(2M) CH39 Tx

Remark:

1. For Radiated Test Cases, the tests were performed with Adapter, USB Cable 1 and Earphone.
2. For simultaneous transmission test mode, the combination testing was assessed from the worst RSE link mode of WWAN (GSM/WCDMA/LTE/5GNR) and the worst RSE link mode of BT / WLAN (2.4G/6G).

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11a/be EHT20	802.11a/be EHT20	802.11a/be EHT20	802.11a/be EHT20
L	Low	001/002	097	117	189
M	Middle	045	105	149	209
H	High	093	113	181	229/233
Straddle		-	-	-	185

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11be EHT40	802.11be EHT40	802.11be EHT40	802.11be EHT40
L	Low	003	099	123	195
M	Middle	043	-	147	203
H	High	091	107	179	227
Straddle		-	115	-	187

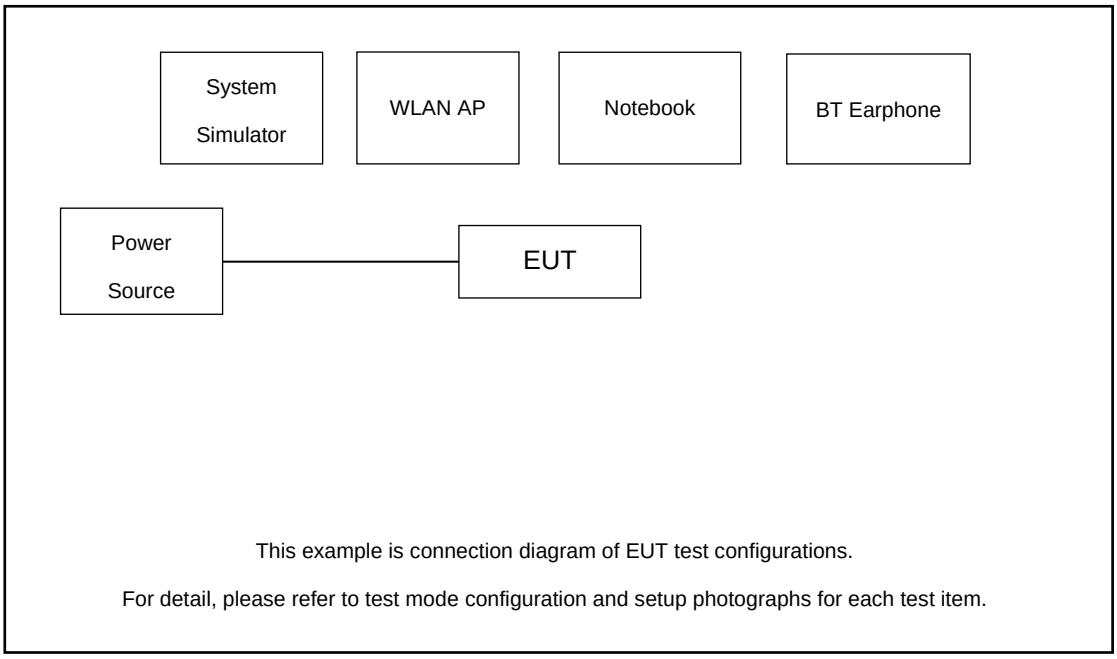
Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11be EHT80	802.11be EHT80	802.11be EHT80	802.11be EHT80
L	Low	007	103	135	199
M	Middle	039		151	-
H	High	087		167	215
Straddle		-	119	183	-

Ch. #		UNII-5	UNII-6	UNII-7	UNII-8
		802.11be EHT160	802.11be EHT160	802.11be EHT160	802.11be EHT160
L	Low	015	-	143	207
M	Middle	047			
H	High	079			
Straddle		-	111	175	-

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

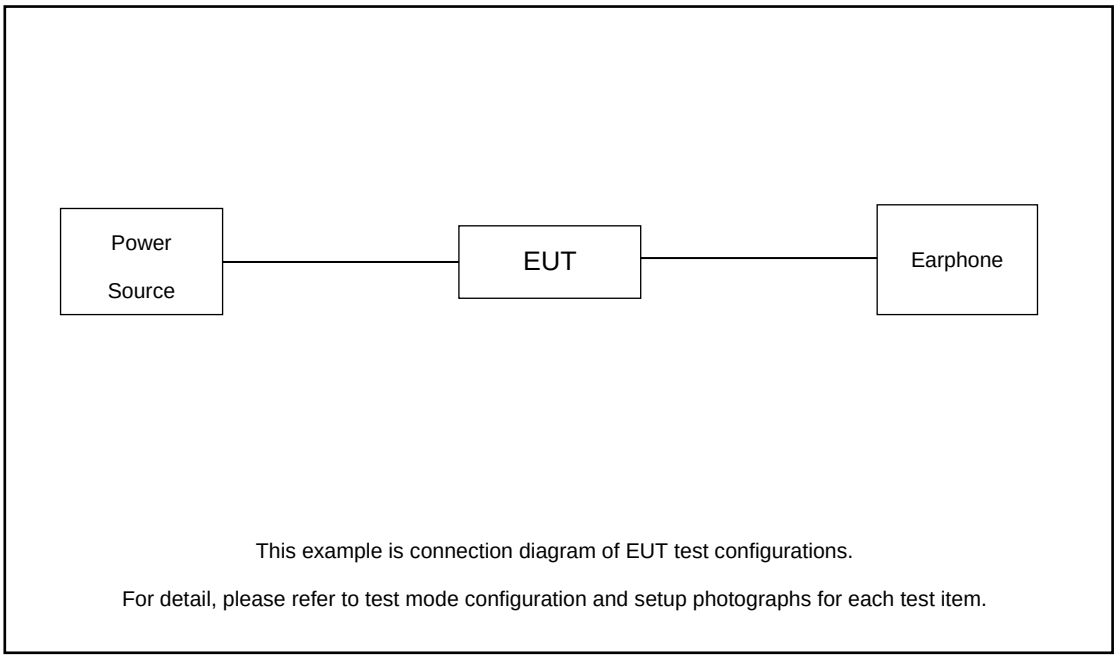
For AC Conducted Emission:



This example is connection diagram of EUT test configurations.

For detail, please refer to test mode configuration and setup photographs for each test item.

For Radiated Emission:



This example is connection diagram of EUT test configurations.

For detail, please refer to test mode configuration and setup photographs for each test item.

2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
2.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A
3.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
4.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded, 1.8m
5.	Earphone	ASUS	EA010B	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program (QRCT TX Tool) was provided and enabled to make EUT continuously transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5.49 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 5.49 + 10 = 15.49 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 CFR 15.407(a)(10)

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

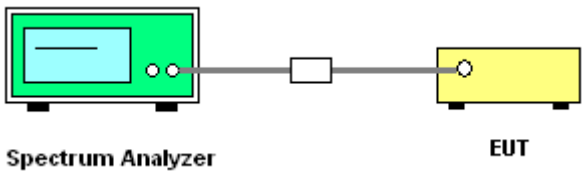
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum conducted Output Power and Fundamental Maximum EIRP Measurement

3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

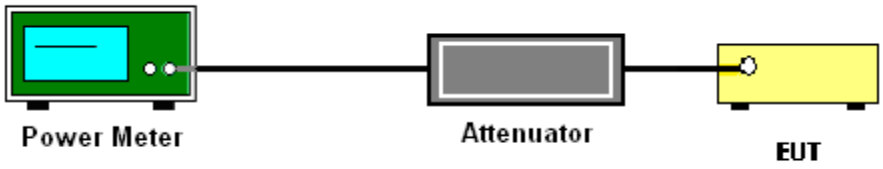
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

3.2.4 Test Setup



3.2.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.

3.3 Fundamental Power Spectral Density Measurement

3.3.1 Limit of Fundamental Power Spectral Density

<FCC 14-30 CFR 15.407>

(a)(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed −1 dBm e.i.r.p. in any 1-megahertz band.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

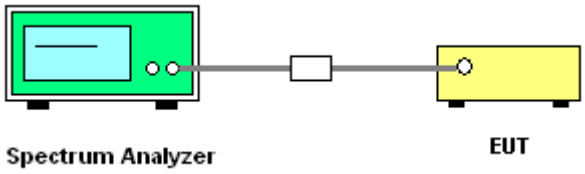
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, attenuator loss and duty factor. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 In-Band Emissions (Channel Mask)

3.4.1 Limit of Unwanted Emissions

<FCC 14-30 CFR 15.407>

(b)(6) For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and 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 one-half 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.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01.

Section J) In-Band Emissions.

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
   a) Set the span to encompass the entire 26 dB EBW of the signal.
   b) Set RBW = same RBW used for 26 dB EBW measurement.
   c) Set VBW ≥ 3 X RBW
   d) Number of points in sweep ≥ [2 X span / RBW].
   e) Sweep time = auto.
   f) Detector = RMS (i.e., power averaging)
   g) Trace average at least 100 traces in power averaging (rms) mode.
   h) Use the peak search function on the instrument to find the peak of the spectrum.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
   a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
   b. Suppressed by 28 dB at one channel bandwidth from the channel center.

c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.

4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

3.4.4 Test Setup

3.4.5 Test Result

Please refer to Appendix A.

3.5 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.5.1 Limit of Unwanted Emissions

(1) 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.

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01r01 section G:
Unwanted emissions outside of restricted bands are measured with a RMS detector.
In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}\ \mu V/m, \text{ where P is the eirp (Watts)}$$

3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

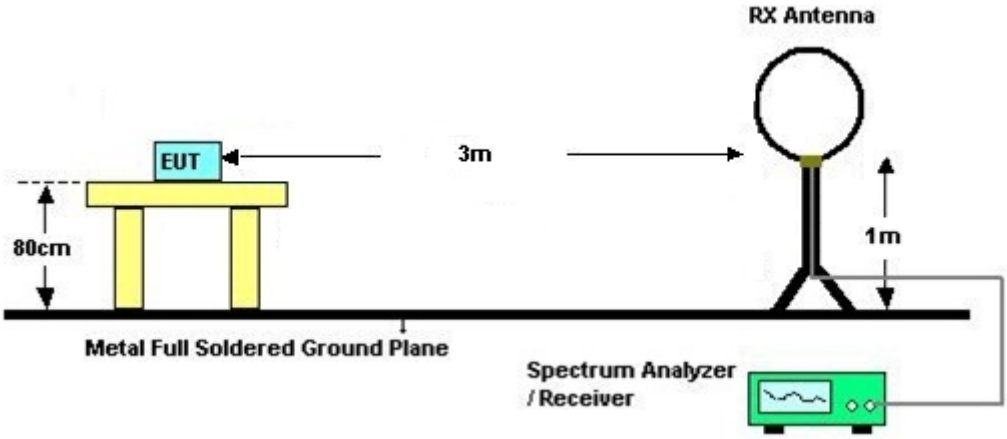
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

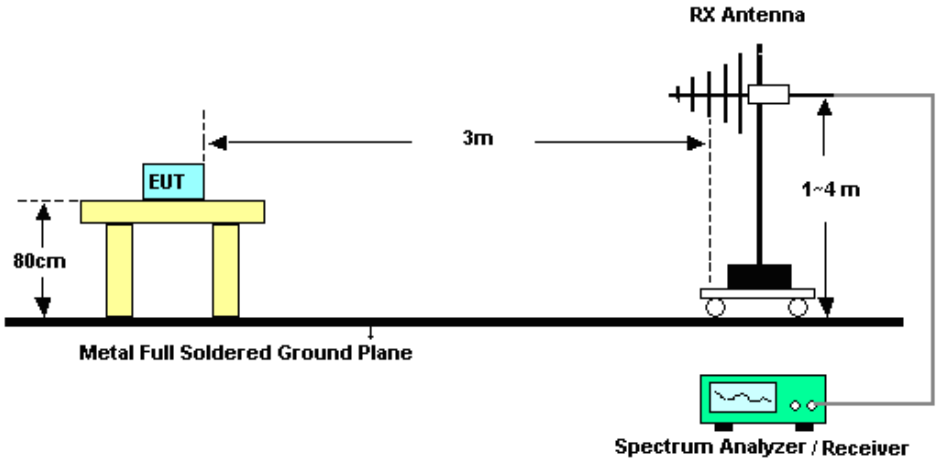
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.5.4 Test Setup

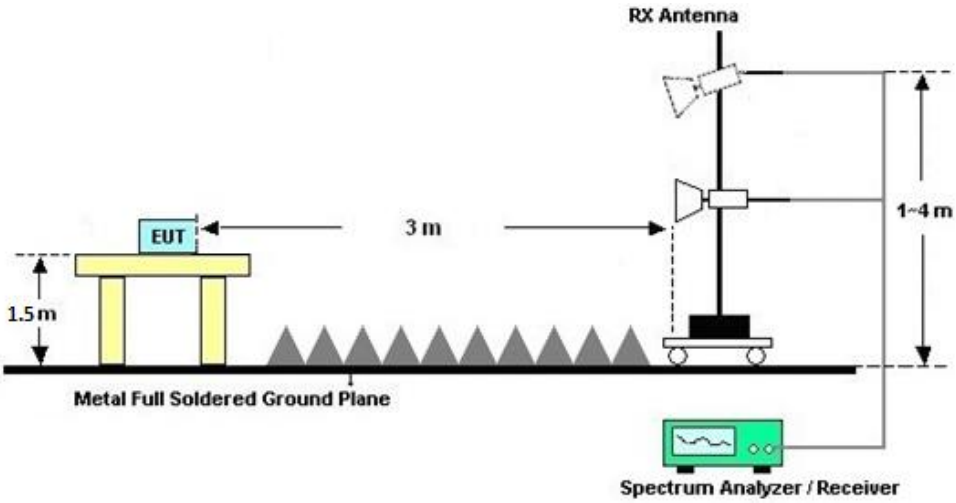
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C&D.

3.5.7 Duty Cycle

Please refer to Appendix E.

3.5.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C&D.

The emission level above 18GHz is checked that the emission level is noise floor only, so it is not reflected in the report.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

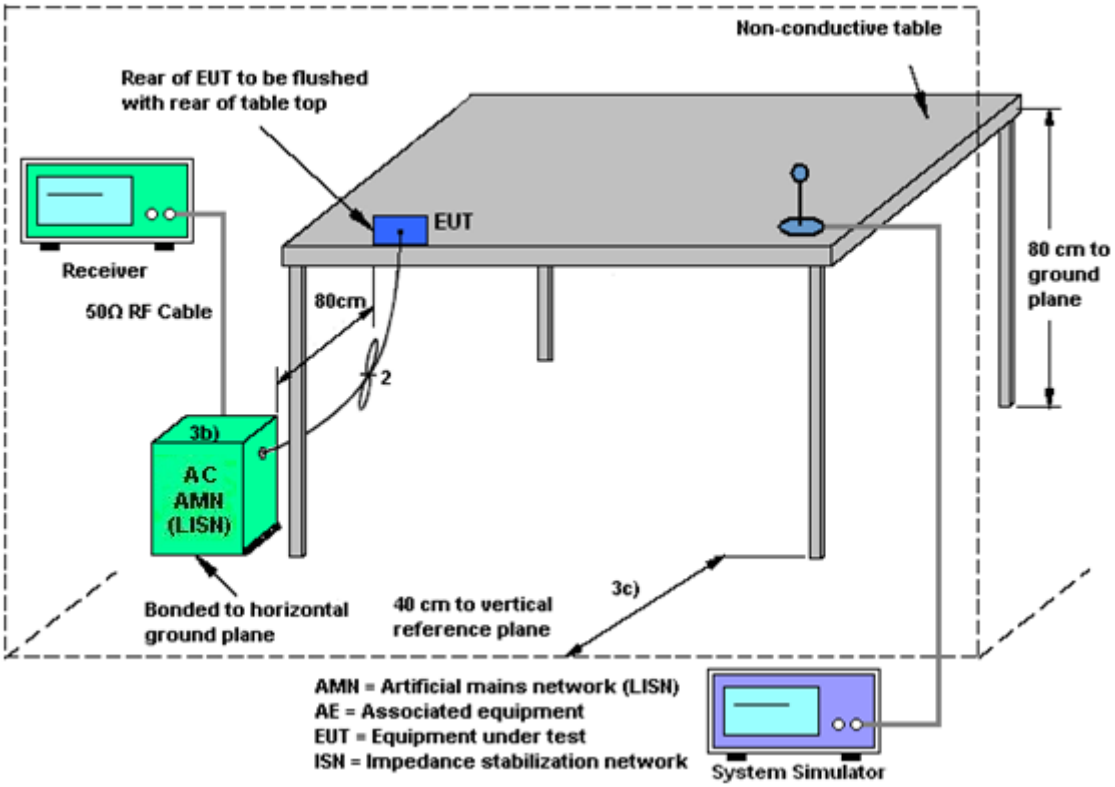
3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

§15.203: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used. The EUT complies with the requirement of 15.203.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e.,

Directional gain = $G_{ANT\ MAX}$(Ant.1 Gain, Ant.2 Gain,…) + Array Gain, as following table for Power, where Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

For PSD, the directional gain calculation is following,

Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2 / N_{ANT}$] dBi, as following table for PSD.

N_{ANT} = number of transmit antennas

N_{SS} = number of spatial streams. (The worst case directional gain will occur when NSS = 1)

<MIMO Ant.5+4>

	Ant. 5 (dBi)	Ant. 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
U-NII-5	0.59	-0.50	0.59	3.07
U-NII-6	-0.51	-4.20	-0.51	0.85
U-NII-7	-0.51	-4.50	-0.51	0.73
U-NII-8	-1.22	-2.70	-1.22	1.08

<MIMO Ant.5+6>

	Ant. 5 (dBi)	Ant. 6 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
U-NII-5	0.59	-0.22	0.59	3.20
U-NII-6	-0.51	-0.47	-0.47	2.52
U-NII-7	-0.51	-0.53	-0.51	2.49
U-NII-8	-1.22	-1.30	-1.22	1.75

This device supports CDD (Cyclic Delay Diversity) mode which controlled by Qualcomm chipset software.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022	Feb. 11, 2023~ Mar. 08, 2023	Apr. 08, 2023	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 27, 2022	Feb. 11, 2023~ Mar. 08, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 27, 2022	Feb. 11, 2023~ Mar. 08, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 26, 2022	Feb. 12, 2023~ Mar. 17, 2023	Dec. 25, 2023	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Feb. 12, 2023~ Mar. 17, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Feb. 12, 2023~ Mar. 17, 2023	Jul. 27, 2024	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Sep. 28, 2021	Feb. 12, 2023~ Mar. 17, 2023	Sep. 27, 2023	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	Feb. 12, 2023~ Mar. 17, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Feb. 12, 2023~ Mar. 17, 2023	Apr. 09, 2023	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 06, 2022	Feb. 12, 2023~ Mar. 17, 2023	Apr. 05, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Feb. 12, 2023~ Mar. 17, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022	Feb. 12, 2023~ Mar. 17, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 06, 2022	Feb. 12, 2023~ Mar. 17, 2023	Jul. 05, 2023	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	Nov. 10, 2022	Feb. 12, 2023~ Mar. 17, 2023	Nov. 09, 2023	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Feb. 12, 2023~ Mar. 17, 2023	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Feb. 12, 2023~ Mar. 17, 2023	NCR	Radiation (03CH01-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 07, 2022	Feb. 10, 2023	Jul. 06, 2023	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Sep. 15, 2022	Feb. 10, 2023	Sep. 14, 2023	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 17, 2022	Feb. 10, 2023	Oct. 16, 2023	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 07, 2022	Feb. 10, 2023	Jul. 06, 2023	Conduction (CO01-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %
Conducted Power Spectral Density	±1.32 dB

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.3dB

---------- THE END ----------

Appendix A. Conducted Test Results

Test Engineer:	Zhang Jiang	Temperature:	21~25	°C
Test Date:	2023/2/11~2023/3/8	Relative Humidity:	51~54	%

<MIMO Ant.5+4>

Report Number : FR2D3005F

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	001	5955	0.03	0.03	3.92	4.51	7.24	0.59		7.83	24.00	Pass
11a	6Mbps	2	002	5935	0.03	0.03	3.94	4.53	7.26	0.59		7.85	24.00	Pass
11a	6Mbps	2	045	6175	0.03	0.03	4.32	4.49	7.42	0.59		8.01	24.00	Pass
11a	6Mbps	2	093	6415	0.03	0.03	4.09	4.48	7.30	0.59		7.89	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	097	6435	0.03	0.03	6.63	6.91	9.79	-0.51		9.28	24.00	Pass
11a	6Mbps	2	105	6475	0.03	0.03	6.61	7.03	9.84	-0.51		9.33	24.00	Pass
11a	6Mbps	2	113	6515	0.03	0.03	6.41	6.96	9.71	-0.51		9.20	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	117	6535	0.03	0.03	6.56	7.41	10.02	-0.51		9.51	24.00	Pass
11a	6Mbps	2	149	6695	0.03	0.03	6.04	7.13	9.63	-0.51		9.12	24.00	Pass
11a	6Mbps	2	181	6855	0.03	0.03	5.79	7.28	9.61	-0.51		9.10	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
11a	6Mbps	2	185	6875	0.03	0.03	6.23	7.32	9.82	-1.22		8.60	24.00	Pass
11a	6Mbps	2	189	6895	0.03	0.03	6.03	6.91	9.51	-1.22		8.29	24.00	Pass
11a	6Mbps	2	209	6995	0.03	0.03	6.80	6.61	9.72	-1.22		8.50	24.00	Pass
11a	6Mbps	2	229	7095	0.03	0.03	7.19	8.41	10.86	-1.22		9.64	24.00	Pass
11a	6Mbps	2	233	7115	0.03	0.03	5.86	7.73	9.91	-1.22		8.69	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
BE20	MCS0	2	001	5955	Full	0.02	0.02	4.92	5.37	8.16	0.59		8.75	24.00	Pass
BE20	MCS0	2	001	5955	26/0	0.02	0.02	-5.13	-5.60	-2.35	0.59		-1.76	24.00	Pass
BE20	MCS0	2	001	5955	52/37	0.02	0.02	-2.20	-2.45	0.68	0.59		1.27	24.00	Pass
BE20	MCS0	2	001	5955	106/53	0.02	0.02	0.90	0.79	3.85	0.59		4.44	24.00	Pass
BE20	MCS0	2	002	5935	Full	0.02	0.02	-8.47	-8.20	-5.33	0.59		-4.74	24.00	Pass
BE20	MCS0	2	002	5935	26/4	0.02	0.02	-18.55	-18.21	-15.37	0.59		-14.78	24.00	Pass
BE20	MCS0	2	002	5935	52/39	0.02	0.02	-15.98	-15.63	-12.79	0.59		-12.20	24.00	Pass
BE20	MCS0	2	002	5935	106/53	0.02	0.02	-12.95	-12.59	-9.76	0.59		-9.17	24.00	Pass
BE20	MCS0	2	045	6175	Full	0.02	0.02	5.18	5.38	8.29	0.59		8.88	24.00	Pass
BE20	MCS0	2	093	6415	Full	0.02	0.02	5.00	5.27	8.14	0.59		8.73	24.00	Pass
BE40	MCS0	2	003	5965	Full	0.02	0.01	8.24	8.49	11.37	0.59		11.96	24.00	Pass
BE40	MCS0	2	043	6165	Full	0.02	0.01	8.43	8.63	11.54	0.59		12.13	24.00	Pass
BE40	MCS0	2	091	6405	Full	0.02	0.01	8.29	8.46	11.38	0.59		11.97	24.00	Pass
BE80	MCS0	2	007	5985	Full	0.02	0.01	10.59	11.17	13.90	0.59		14.49	24.00	Pass
BE80	MCS0	2	039	6145	Full	0.02	0.01	10.85	11.41	14.15	0.59		14.74	24.00	Pass
BE80	MCS0	2	087	6385	Full	0.02	0.01	11.53	11.38	14.46	0.59		15.05	24.00	Pass
BE160	MCS0	2	015	6025	Full	0.02	0.01	10.55	11.47	14.04	0.59		14.63	24.00	Pass
BE160	MCS0	2	047	6185	Full	0.02	0.01	10.79	10.87	13.84	0.59		14.43	24.00	Pass
BE160	MCS0	2	079	6345	Full	0.02	0.01	10.89	11.12	14.02	0.59		14.61	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
BE20	MCS0	2	097	6435	Full	0.02	0.02	7.46	7.78	10.63	-0.51		10.12	24.00	Pass
BE20	MCS0	2	097	6435	26/0	0.02	0.02	-2.51	-3.16	0.18	-0.51		-0.33	24.00	Pass
BE20	MCS0	2	097	6435	52/37	0.02	0.02	0.25	-0.47	2.91	-0.51		2.40	24.00	Pass
BE20	MCS0	2	097	6435	106/53	0.02	0.02	2.88	2.12	5.52	-0.51		5.01	24.00	Pass
BE20	MCS0	2	105	6475	Full	0.02	0.02	7.43	7.78	10.62	-0.51		10.11	24.00	Pass
BE20	MCS0	2	113	6515	Full	0.02	0.02	7.13	7.77	10.47	-0.51		9.96	24.00	Pass
BE40	MCS0	2	099	6445	Full	0.02	0.01	10.02	10.54	13.30	-0.51		12.79	24.00	Pass
BE40	MCS0	2	107	6485	Full	0.02	0.01	9.95	10.55	13.27	-0.51		12.76	24.00	Pass
BE40	MCS0	2	115	6525	Full	0.02	0.01	10.39	11.36	13.91	-0.51		13.40	24.00	Pass
BE80	MCS0	2	103	6465	Full	0.02	0.01	12.90	13.48	16.21	-0.51		15.70	24.00	Pass
BE80	MCS0	2	119	6545	Full	0.02	0.01	12.98	13.48	16.24	-0.51		15.73	24.00	Pass
BE160	MCS0	2	111	6505	Full	0.02	0.01	11.62	12.68	15.19	-0.51		14.68	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
BE20	MCS0	2	117	6535	Full	0.02	0.02	6.87	7.75	10.34	-0.51		9.83	24.00	Pass
BE20	MCS0	2	117	6535	26/0	0.02	0.02	-4.15	-2.90	-0.47	-0.51		-0.98	24.00	Pass
BE20	MCS0	2	117	6535	52/37	0.02	0.02	-1.30	-0.20	2.29	-0.51		1.78	24.00	Pass
BE20	MCS0	2	117	6535	106/53	0.02	0.02	1.27	2.34	4.84	-0.51		4.33	24.00	Pass
BE20	MCS0	2	149	6695	Full	0.02	0.02	6.85	7.85	10.39	-0.51		9.88	24.00	Pass
BE20	MCS0	2	181	6855	Full	0.02	0.02	7.23	8.18	10.74	-0.51		10.23	24.00	Pass
BE40	MCS0	2	123	6565	Full	0.02	0.01	10.28	11.62	14.01	-0.51		13.50	24.00	Pass
BE40	MCS0	2	147	6685	Full	0.02	0.01	10.13	11.15	13.68	-0.51		13.17	24.00	Pass
BE40	MCS0	2	179	6845	Full	0.02	0.01	10.36	11.19	13.80	-0.51		13.29	24.00	Pass
BE80	MCS0	2	135	6625	Full	0.02	0.01	12.44	13.69	16.12	-0.51		15.61	24.00	Pass
BE80	MCS0	2	151	6705	Full	0.02	0.01	13.23	14.03	16.66	-0.51		16.15	24.00	Pass
BE80	MCS0	2	167	6785	Full	0.02	0.01	12.28	13.11	15.72	-0.51		15.21	24.00	Pass
BE80	MCS0	2	183	6865	Full	0.02	0.01	13.00	13.79	16.42	-0.51		15.91	24.00	Pass
BE160	MCS0	2	143	6665	Full	0.02	0.01	12.57	13.35	15.99	-0.51		15.48	24.00	Pass
BE160	MCS0	2	175	6825	Full	0.02	0.01	10.26	10.86	13.58	-0.51		13.07	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
BE20	MCS0	2	185	6875	Full	0.02	0.02	7.29	8.25	10.80	-1.22		9.58	24.00	Pass
BE20	MCS0	2	189	6895	Full	0.02	0.02	6.85	7.74	10.32	-1.22		9.10	24.00	Pass
BE20	MCS0	2	209	6995	Full	0.02	0.02	7.53	7.50	10.52	-1.22		9.30	24.00	Pass
BE20	MCS0	2	229	7095	Full	0.02	0.02	7.79	9.11	11.51	-1.22		10.29	24.00	Pass
BE20	MCS0	2	229	7095	26/8	0.02	0.02	-2.16	-1.15	1.38	-1.22		0.16	24.00	Pass
BE20	MCS0	2	229	7095	52/40	0.02	0.02	0.56	1.36	3.99	-1.22		2.77	24.00	Pass
BE20	MCS0	2	229	7095	106/54	0.02	0.02	3.64	4.63	7.17	-1.22		5.95	24.00	Pass
BE20	MCS0	2	233	7115	Full	0.02	0.02	-7.86	-6.25	-3.97	-1.22		-5.19	24.00	Pass
BE20	MCS0	2	233	7115	26/8	0.02	0.02	-17.89	-16.54	-14.16	-1.22		-15.38	24.00	Pass
BE20	MCS0	2	233	7115	52/40	0.02	0.02	-15.28	-13.71	-11.42	-1.22		-12.64	24.00	Pass
BE20	MCS0	2	233	7115	106/54	0.02	0.02	-16.77	-15.06	-12.82	-1.22		-14.04	24.00	Pass
BE40	MCS0	2	187	6885	Full	0.02	0.01	9.86	10.69	13.30	-1.22		12.08	24.00	Pass
BE40	MCS0	2	195	6925	Full	0.02	0.01	10.22	10.66	13.45	-1.22		12.23	24.00	Pass
BE40	MCS0	2	203	6965	Full	0.02	0.01	9.60	10.18	12.91	-1.22		11.69	24.00	Pass
BE40	MCS0	2	227	7085	Full	0.02	0.01	10.94	11.63	14.31	-1.22		13.09	24.00	Pass
BE80	MCS0	2	199	6945	Full	0.02	0.01	12.48	12.60	15.55	-1.22		14.33	24.00	Pass
BE80	MCS0	2	215	7025	Full	0.02	0.01	11.58	11.83	14.71	-1.22		13.49	24.00	Pass
BE160	MCS0	2	207	6985	Full	0.02	0.01	10.56	10.96	13.77	-1.22		12.55	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HT20	MCS0	2	001	5955	0.02	0.02	4.79	5.25	8.03	0.59		8.62	24.00	Pass
HT20	MCS0	2	002	5935	0.02	0.02	-8.65	-8.42	-5.53	0.59		-4.94	24.00	Pass
HT20	MCS0	2	045	6175	0.02	0.02	5.05	5.26	8.16	0.59		8.75	24.00	Pass
HT20	MCS0	2	093	6415	0.02	0.02	4.87	5.15	8.02	0.59		8.61	24.00	Pass
HT40	MCS0	2	003	5965	0.02	0.01	8.13	8.37	11.26	0.59		11.85	24.00	Pass
HT40	MCS0	2	043	6165	0.02	0.01	8.32	8.51	11.42	0.59		12.01	24.00	Pass
HT40	MCS0	2	091	6405	0.02	0.01	8.18	8.34	11.27	0.59		11.86	24.00	Pass
VHT20	MCS0	2	001	5955	0.02	0.02	4.77	5.21	8.00	0.59		8.59	24.00	Pass
VHT20	MCS0	2	002	5935	0.02	0.02	-8.70	-8.47	-5.58	0.59		-4.99	24.00	Pass
VHT20	MCS0	2	045	6175	0.02	0.02	5.03	5.22	8.13	0.59		8.72	24.00	Pass
VHT20	MCS0	2	093	6415	0.02	0.02	4.85	5.11	7.99	0.59		8.58	24.00	Pass
VHT40	MCS0	2	003	5965	0.02	0.01	8.09	8.33	11.22	0.59		11.81	24.00	Pass
VHT40	MCS0	2	043	6165	0.02	0.01	8.28	8.47	11.38	0.59		11.97	24.00	Pass
VHT40	MCS0	2	091	6405	0.02	0.01	8.14	8.30	11.23	0.59		11.82	24.00	Pass
VHT80	MCS0	2	007	5985	0.02	0.02	10.48	11.06	13.79	0.59		14.38	24.00	Pass
VHT80	MCS0	2	039	6145	0.02	0.02	10.74	11.30	14.04	0.59		14.63	24.00	Pass
VHT80	MCS0	2	087	6385	0.02	0.02	11.42	11.27	14.35	0.59		14.94	24.00	Pass
VHT160	MCS0	2	015	6025	0.02	0.02	10.24	11.17	13.74	0.59		14.33	24.00	Pass
VHT160	MCS0	2	047	6185	0.02	0.02	10.48	10.57	13.53	0.59		14.12	24.00	Pass
VHT160	MCS0	2	079	6345	0.02	0.02	10.58	10.82	13.71	0.59		14.30	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HT20	MCS0	2	097	6435	0.02	0.02	7.33	7.66	10.50	-0.51		9.99	24.00	Pass
HT20	MCS0	2	105	6475	0.02	0.02	7.30	7.66	10.49	-0.51		9.98	24.00	Pass
HT20	MCS0	2	113	6515	0.02	0.02	7.00	7.65	10.34	-0.51		9.83	24.00	Pass
HT40	MCS0	2	099	6445	0.02	0.01	9.91	10.42	13.18	-0.51		12.67	24.00	Pass
HT40	MCS0	2	107	6485	0.02	0.01	9.84	10.43	13.15	-0.51		12.64	24.00	Pass
HT40	MCS0	2	115	6525	0.02	0.01	10.28	11.24	13.79	-0.51		13.28	24.00	Pass
VHT20	MCS0	2	097	6435	0.02	0.02	7.31	7.62	10.47	-0.51		9.96	24.00	Pass
VHT20	MCS0	2	105	6475	0.02	0.02	7.28	7.62	10.46	-0.51		9.95	24.00	Pass
VHT20	MCS0	2	113	6515	0.02	0.02	6.98	7.61	10.31	-0.51		9.80	24.00	Pass
VHT40	MCS0	2	099	6445	0.02	0.01	9.87	10.38	13.14	-0.51		12.63	24.00	Pass
VHT40	MCS0	2	107	6485	0.02	0.01	9.80	10.39	13.11	-0.51		12.60	24.00	Pass
VHT40	MCS0	2	115	6525	0.02	0.01	10.24	11.20	13.75	-0.51		13.24	24.00	Pass
VHT80	MCS0	2	103	6465	0.02	0.02	12.79	13.41	16.12	-0.51		15.61	24.00	Pass
VHT80	MCS0	2	119	6545	0.02	0.02	12.84	13.45	16.16	-0.51		15.65	24.00	Pass
VHT160	MCS0	2	111	6505	0.02	0.02	11.31	12.38	14.88	-0.51		14.37	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HT20	MCS0	2	117	6535	0.02	0.02	6.74	7.63	10.21	-0.51		9.70	24.00	Pass
HT20	MCS0	2	149	6695	0.02	0.02	6.72	7.73	10.26	-0.51		9.75	24.00	Pass
HT20	MCS0	2	181	6855	0.02	0.02	7.10	8.06	10.61	-0.51		10.10	24.00	Pass
HT40	MCS0	2	123	6565	0.02	0.01	10.17	11.50	13.89	-0.51		13.38	24.00	Pass
HT40	MCS0	2	147	6685	0.02	0.01	10.02	11.03	13.56	-0.51		13.05	24.00	Pass
HT40	MCS0	2	179	6845	0.02	0.01	10.25	11.07	13.69	-0.51		13.18	24.00	Pass
VHT20	MCS0	2	117	6535	0.02	0.02	6.72	7.59	10.18	-0.51		9.67	24.00	Pass
VHT20	MCS0	2	149	6695	0.02	0.02	6.70	7.69	10.23	-0.51		9.72	24.00	Pass
VHT20	MCS0	2	181	6855	0.02	0.02	7.08	8.02	10.58	-0.51		10.07	24.00	Pass
VHT40	MCS0	2	123	6565	0.02	0.01	10.13	11.46	13.85	-0.51		13.34	24.00	Pass
VHT40	MCS0	2	147	6685	0.02	0.01	9.98	10.99	13.52	-0.51		13.01	24.00	Pass
VHT40	MCS0	2	179	6845	0.02	0.01	10.21	11.03	13.65	-0.51		13.14	24.00	Pass
VHT80	MCS0	2	135	6625	0.02	0.02	12.33	13.58	16.01	-0.51		15.50	24.00	Pass
VHT80	MCS0	2	151	6705	0.02	0.02	13.12	13.92	16.54	-0.51		16.03	24.00	Pass
VHT80	MCS0	2	167	6785	0.02	0.02	12.17	13.00	15.61	-0.51		15.10	24.00	Pass
VHT80	MCS0	2	183	6865	0.02	0.02	12.89	13.68	16.31	-0.51		15.80	24.00	Pass
VHT160	MCS0	2	143	6665	0.02	0.02	12.53	13.05	15.80	-0.51		15.29	24.00	Pass
VHT160	MCS0	2	175	6825	0.02	0.02	9.95	10.56	13.27	-0.51		12.76	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HT20	MCS0	2	185	6875	0.02	0.02	7.16	8.13	10.68	-1.22		9.46	24.00	Pass
HT20	MCS0	2	189	6895	0.02	0.02	6.72	7.62	10.20	-1.22		8.98	24.00	Pass
HT20	MCS0	2	209	6995	0.02	0.02	7.40	7.38	10.40	-1.22		9.18	24.00	Pass
HT20	MCS0	2	229	7095	0.02	0.02	7.66	8.99	11.38	-1.22		10.16	24.00	Pass
HT20	MCS0	2	233	7115	0.02	0.02	-8.06	-6.49	-4.20	-1.22		-5.42	24.00	Pass
HT40	MCS0	2	187	6885	0.02	0.01	9.75	10.57	13.19	-1.22		11.97	24.00	Pass
HT40	MCS0	2	195	6925	0.02	0.01	10.11	10.54	13.34	-1.22		12.12	24.00	Pass
HT40	MCS0	2	203	6965	0.02	0.01	9.49	10.06	12.79	-1.22		11.57	24.00	Pass
HT40	MCS0	2	227	7085	0.02	0.01	10.83	11.51	14.19	-1.22		12.97	24.00	Pass
VHT20	MCS0	2	185	6875	0.02	0.02	7.14	8.09	10.65	-1.22		9.43	24.00	Pass
VHT20	MCS0	2	189	6895	0.02	0.02	6.70	7.58	10.17	-1.22		8.95	24.00	Pass
VHT20	MCS0	2	209	6995	0.02	0.02	7.38	7.34	10.37	-1.22		9.15	24.00	Pass
VHT20	MCS0	2	229	7095	0.02	0.02	7.64	8.95	11.35	-1.22		10.13	24.00	Pass
VHT20	MCS0	2	233	7115	0.02	0.02	-8.13	-6.56	-4.27	-1.22		-5.49	24.00	Pass
VHT40	MCS0	2	187	6885	0.02	0.01	9.71	10.53	13.15	-1.22		11.93	24.00	Pass
VHT40	MCS0	2	195	6925	0.02	0.01	10.07	10.50	13.30	-1.22		12.08	24.00	Pass
VHT40	MCS0	2	203	6965	0.02	0.01	9.45	10.02	12.75	-1.22		11.53	24.00	Pass
VHT40	MCS0	2	227	7085	0.02	0.01	10.79	11.47	14.15	-1.22		12.93	24.00	Pass
VHT80	MCS0	2	199	6945	0.02	0.02	12.37	12.49	15.44	-1.22		14.22	24.00	Pass
VHT80	MCS0	2	215	7025	0.02	0.02	11.53	11.79	14.67	-1.22		13.45	24.00	Pass
VHT160	MCS0	2	207	6985	0.02	0.02	10.25	10.66	13.47	-1.22		12.25	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HE20	MCS0	2	001	5955	Full	0.02	0.02	4.83	5.29	8.07	0.59		8.66	24.00	Pass
HE20	MCS0	2	001	5955	26/0	0.02	0.02	-5.16	-5.62	-2.38	0.59		-1.79	24.00	Pass
HE20	MCS0	2	001	5955	52/37	0.02	0.02	-2.22	-2.47	0.66	0.59		1.25	24.00	Pass
HE20	MCS0	2	001	5955	106/53	0.02	0.02	0.87	0.77	3.83	0.59		4.42	24.00	Pass
HE20	MCS0	2	002	5935	Full	0.02	0.02	-8.56	-8.29	-5.42	0.59		-4.83	24.00	Pass
HE20	MCS0	2	002	5935	26/4	0.02	0.02	-18.64	-18.30	-15.46	0.59		-14.87	24.00	Pass
HE20	MCS0	2	002	5935	52/39	0.02	0.02	-16.07	-15.72	-12.88	0.59		-12.29	24.00	Pass
HE20	MCS0	2	002	5935	106/53	0.02	0.02	-13.04	-12.68	-9.85	0.59		-9.26	24.00	Pass
HE20	MCS0	2	045	6175	Full	0.02	0.02	5.09	5.30	8.20	0.59		8.79	24.00	Pass
HE20	MCS0	2	093	6415	Full	0.02	0.02	4.91	5.19	8.06	0.59		8.65	24.00	Pass
HE40	MCS0	2	003	5965	Full	0.02	0.02	8.13	8.40	11.27	0.59		11.86	24.00	Pass
HE40	MCS0	2	043	6165	Full	0.02	0.02	8.32	8.54	11.44	0.59		12.03	24.00	Pass
HE40	MCS0	2	091	6405	Full	0.02	0.02	8.18	8.37	11.28	0.59		11.87	24.00	Pass
HE80	MCS0	2	007	5985	Full	0.02	0.01	10.47	11.06	13.78	0.59		14.37	24.00	Pass
HE80	MCS0	2	039	6145	Full	0.02	0.01	10.73	11.30	14.03	0.59		14.62	24.00	Pass
HE80	MCS0	2	087	6385	Full	0.02	0.01	11.41	11.27	14.35	0.59		14.94	24.00	Pass
HE160	MCS0	2	015	6025	Full	0.01	0.02	10.39	11.30	13.88	0.59		14.47	24.00	Pass
HE160	MCS0	2	047	6185	Full	0.01	0.02	10.63	10.70	13.68	0.59		14.27	24.00	Pass
HE160	MCS0	2	079	6345	Full	0.01	0.02	10.73	10.95	13.85	0.59		14.44	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HE20	MCS0	2	097	6435	Full	0.02	0.02	7.37	7.70	10.54	-0.51		10.03	24.00	Pass
HE20	MCS0	2	097	6435	26/0	0.02	0.02	-2.53	-3.18	0.16	-0.51		-0.35	24.00	Pass
HE20	MCS0	2	097	6435	52/37	0.02	0.02	0.23	-0.50	2.89	-0.51		2.38	24.00	Pass
HE20	MCS0	2	097	6435	106/53	0.02	0.02	2.86	2.02	5.47	-0.51		4.96	24.00	Pass
HE20	MCS0	2	105	6475	Full	0.02	0.02	7.34	7.70	10.53	-0.51		10.02	24.00	Pass
HE20	MCS0	2	113	6515	Full	0.02	0.02	7.04	7.69	10.38	-0.51		9.87	24.00	Pass
HE40	MCS0	2	099	6445	Full	0.02	0.02	9.91	10.45	13.19	-0.51		12.68	24.00	Pass
HE40	MCS0	2	107	6485	Full	0.02	0.02	9.84	10.46	13.17	-0.51		12.66	24.00	Pass
HE40	MCS0	2	115	6525	Full	0.02	0.02	10.28	11.27	13.81	-0.51		13.30	24.00	Pass
HE80	MCS0	2	103	6465	Full	0.02	0.01	12.78	13.41	16.11	-0.51		15.60	24.00	Pass
HE80	MCS0	2	119	6545	Full	0.02	0.01	12.86	13.46	16.18	-0.51		15.67	24.00	Pass
HE160	MCS0	2	111	6505	Full	0.01	0.02	11.46	12.51	15.03	-0.51		14.52	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HE20	MCS0	2	117	6535	Full	0.02	0.02	6.78	7.67	10.25	-0.51		9.74	24.00	Pass
HE20	MCS0	2	117	6535	26/0	0.02	0.02	-4.18	-2.92	-0.50	-0.51		-1.01	24.00	Pass
HE20	MCS0	2	117	6535	52/37	0.02	0.02	-1.33	-0.23	2.26	-0.51		1.75	24.00	Pass
HE20	MCS0	2	117	6535	106/53	0.02	0.02	1.24	2.32	4.82	-0.51		4.31	24.00	Pass
HE20	MCS0	2	149	6695	Full	0.02	0.02	6.76	7.77	10.30	-0.51		9.79	24.00	Pass
HE20	MCS0	2	181	6855	Full	0.02	0.02	7.14	8.10	10.65	-0.51		10.14	24.00	Pass
HE40	MCS0	2	123	6565	Full	0.02	0.02	10.17	11.53	13.91	-0.51		13.40	24.00	Pass
HE40	MCS0	2	147	6685	Full	0.02	0.02	10.02	11.06	13.58	-0.51		13.07	24.00	Pass
HE40	MCS0	2	179	6845	Full	0.02	0.02	10.25	11.10	13.70	-0.51		13.19	24.00	Pass
HE80	MCS0	2	135	6625	Full	0.02	0.01	12.32	13.58	16.00	-0.51		15.49	24.00	Pass
HE80	MCS0	2	151	6705	Full	0.02	0.01	13.11	13.92	16.54	-0.51		16.03	24.00	Pass
HE80	MCS0	2	167	6785	Full	0.02	0.01	12.16	13.00	15.61	-0.51		15.10	24.00	Pass
HE80	MCS0	2	183	6865	Full	0.02	0.01	12.88	13.68	16.31	-0.51		15.80	24.00	Pass
HE160	MCS0	2	143	6665	Full	0.01	0.02	12.55	13.18	15.89	-0.51		15.38	24.00	Pass
HE160	MCS0	2	175	6825	Full	0.01	0.02	10.10	10.69	13.42	-0.51		12.91	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	SUM		
HE20	MCS0	2	185	6875	Full	0.02	0.02	7.20	8.17	10.72	-1.22		9.50	24.00	Pass
HE20	MCS0	2	189	6895	Full	0.02	0.02	6.76	7.66	10.24	-1.22		9.02	24.00	Pass
HE20	MCS0	2	209	6995	Full	0.02	0.02	7.44	7.42	10.44	-1.22		9.22	24.00	Pass
HE20	MCS0	2	229	7095	Full	0.02	0.02	7.70	9.03	11.42	-1.22		10.20	24.00	Pass
HE20	MCS0	2	229	7095	26/8	0.02	0.02	-2.19	-1.18	1.35	-1.22		0.13	24.00	Pass
HE20	MCS0	2	229	7095	52/40	0.02	0.02	0.53	1.33	3.96	-1.22		2.74	24.00	Pass
HE20	MCS0	2	229	7095	106/54	0.02	0.02	3.62	4.60	7.14	-1.22		5.92	24.00	Pass
HE20	MCS0	2	233	7115	Full	0.02	0.02	-7.97	-6.36	-4.08	-1.22		-5.30	24.00	Pass
HE20	MCS0	2	233	7115	26/8	0.02	0.02	-18.00	-16.65	-14.27	-1.22		-15.49	24.00	Pass
HE20	MCS0	2	233	7115	52/40	0.02	0.02	-15.39	-13.82	-11.53	-1.22		-12.75	24.00	Pass
HE20	MCS0	2	233	7115	106/54	0.02	0.02	-16.88	-15.17	-12.93	-1.22		-14.15	24.00	Pass
HE40	MCS0	2	187	6885	Full	0.02	0.02	9.75	10.60	13.20	-1.22		11.98	24.00	Pass
HE40	MCS0	2	195	6925	Full	0.02	0.02	10.11	10.57	13.35	-1.22		12.13	24.00	Pass
HE40	MCS0	2	203	6965	Full	0.02	0.02	9.49	10.09	12.81	-1.22		11.59	24.00	Pass
HE40	MCS0	2	227	7085	Full	0.02	0.02	10.83	11.54	14.21	-1.22		12.99	24.00	Pass
HE80	MCS0	2	199	6945	Full	0.02	0.01	12.36	12.49	15.43	-1.22		14.21	24.00	Pass
HE80	MCS0	2	215	7025	Full	0.02	0.01	11.55	11.80	14.68	-1.22		13.46	24.00	Pass
HE160	MCS0	2	207	6985	Full	0.01	0.02	10.40	10.79	13.61	-1.22		12.39	24.00	Pass

<MIMO Ant.5+6>

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TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
11a	6Mbps	2	001	5955	0.04	0.04	4.98	3.82	7.45	0.59		8.04	24.00	Pass
11a	6Mbps	2	002	5935	0.04	0.04	5.09	3.69	7.46	0.59		8.05	24.00	Pass
11a	6Mbps	2	045	6175	0.04	0.04	5.21	3.64	7.51	0.59		8.10	24.00	Pass
11a	6Mbps	2	093	6415	0.04	0.04	4.98	4.30	7.67	0.59		8.26	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
11a	6Mbps	2	097	6435	0.04	0.04	5.54	4.98	8.28	-0.47		7.81	24.00	Pass
11a	6Mbps	2	105	6475	0.04	0.04	5.37	4.83	8.12	-0.47		7.65	24.00	Pass
11a	6Mbps	2	113	6515	0.04	0.04	5.74	5.09	8.44	-0.47		7.97	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
11a	6Mbps	2	117	6535	0.04	0.04	5.63	5.01	8.34	-0.51		7.83	24.00	Pass
11a	6Mbps	2	149	6695	0.04	0.04	5.99	4.86	8.47	-0.51		7.96	24.00	Pass
11a	6Mbps	2	181	6855	0.04	0.04	6.01	4.16	8.19	-0.51		7.68	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
11a	6Mbps	2		6875	0.04	0.04	6.93	4.95	9.06	-1.22		7.84	24.00	Pass
11a	6Mbps	2	189	6895	0.04	0.04	7.38	5.34	9.49	-1.22		8.27	24.00	Pass
11a	6Mbps	2	209	6995	0.04	0.04	7.00	4.94	9.10	-1.22		7.88	24.00	Pass
11a	6Mbps	2		7095	0.04	0.04	8.06	7.39	10.75	-1.22		9.53	24.00	Pass
11a	6Mbps	2	233	7115	0.04	0.04	2.10	3.87	6.09	-1.22		4.87	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
BE20	MCS0	2	001	5955	Full	0.02	0.02	5.73	4.59	8.20	0.59		8.79	24.00	Pass
BE20	MCS0	2	001	5955	26/0	0.02	0.02	-5.14	-5.94	-2.51	0.59		-1.92	24.00	Pass
BE20	MCS0	2	001	5955	52/37	0.02	0.02	-2.14	-2.77	0.56	0.59		1.15	24.00	Pass
BE20	MCS0	2	001	5955	106/53	0.02	0.02	1.00	0.46	3.75	0.59		4.34	24.00	Pass
BE20	MCS0	2	002	5935	Full	0.02	0.02	-7.02	-7.10	-4.05	0.59		-3.46	24.00	Pass
BE20	MCS0	2	002	5935	26/4	0.02	0.02	-17.10	-16.79	-13.94	0.59		-13.35	24.00	Pass
BE20	MCS0	2	002	5935	52/39	0.02	0.02	-15.24	-15.03	-12.13	0.59		-11.54	24.00	Pass
BE20	MCS0	2	002	5935	106/53	0.02	0.02	-11.80	-11.11	-8.43	0.59		-7.84	24.00	Pass
BE20	MCS0	2	045	6175	Full	0.02	0.02	5.91	4.40	8.23	0.59		8.82	24.00	Pass
BE20	MCS0	2	093	6415	Full	0.02	0.02	5.48	4.94	8.23	0.59		8.82	24.00	Pass
BE40	MCS0	2	003	5965	Full	0.02	0.02	8.94	7.66	11.35	0.59		11.94	24.00	Pass
BE40	MCS0	2	043	6165	Full	0.02	0.02	9.07	7.70	11.45	0.59		12.04	24.00	Pass
BE40	MCS0	2	091	6405	Full	0.02	0.02	8.97	8.24	11.63	0.59		12.22	24.00	Pass
BE80	MCS0	2	007	5985	Full	0.02	0.02	10.47	9.93	13.22	0.59		13.81	24.00	Pass
BE80	MCS0	2	039	6145	Full	0.02	0.02	11.46	10.56	14.04	0.59		14.63	24.00	Pass
BE80	MCS0	2	087	6385	Full	0.02	0.02	11.76	10.66	14.25	0.59		14.84	24.00	Pass
BE160	MCS0	2	015	6025	Full	0.02	0.02	9.79	8.57	12.23	0.59		12.82	24.00	Pass
BE160	MCS0	2	047	6185	Full	0.02	0.02	9.97	7.91	12.07	0.59		12.66	24.00	Pass
BE160	MCS0	2	079	6345	Full	0.02	0.02	9.99	8.37	12.26	0.59		12.85	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
BE20	MCS0	2	097	6435	Full	0.02	0.02	6.11	5.52	8.83	-0.47		8.36	24.00	Pass
BE20	MCS0	2	097	6435	26/0	0.02	0.02	-3.96	-5.38	-1.61	-0.47		-2.08	24.00	Pass
BE20	MCS0	2	097	6435	52/37	0.02	0.02	-0.80	-2.21	1.56	-0.47		1.09	24.00	Pass
BE20	MCS0	2	097	6435	106/53	0.02	0.02	2.57	1.04	4.88	-0.47		4.41	24.00	Pass
BE20	MCS0	2	105	6475	Full	0.02	0.02	6.12	5.51	8.83	-0.47		8.36	24.00	Pass
BE20	MCS0	2	113	6515	Full	0.02	0.02	5.89	5.16	8.55	-0.47		8.08	24.00	Pass
BE40	MCS0	2	099	6445	Full	0.02	0.02	9.39	9.03	12.22	-0.47		11.75	24.00	Pass
BE40	MCS0	2	107	6485	Full	0.02	0.02	9.29	8.99	12.15	-0.47		11.68	24.00	Pass
BE40	MCS0	2	115	6525	Full	0.02	0.02	9.23	8.45	11.86	-0.47		11.39	24.00	Pass
BE80	MCS0	2	103	6465	Full	0.02	0.02	11.77	11.16	14.48	-0.47		14.01	24.00	Pass
BE80	MCS0	2	119	6545	Full	0.02	0.02	10.95	10.99	13.98	-0.47		13.51	24.00	Pass
BE160	MCS0	2	111	6505	Full	0.02	0.02	10.26	9.38	12.85	-0.47		12.38	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
BE20	MCS0	2	117	6535	Full	0.02	0.02	6.28	6.01	9.15	-0.51		8.64	24.00	Pass
BE20	MCS0	2	117	6535	26/0	0.02	0.02	-4.45	-4.39	-1.41	-0.51		-1.92	24.00	Pass
BE20	MCS0	2	117	6535	52/37	0.02	0.02	-1.74	-1.73	1.27	-0.51		0.76	24.00	Pass
BE20	MCS0	2	117	6535	106/53	0.02	0.02	1.44	1.36	4.41	-0.51		3.90	24.00	Pass
BE20	MCS0	2	149	6695	Full	0.02	0.02	6.62	5.44	9.08	-0.51		8.57	24.00	Pass
BE20	MCS0	2	181	6855	Full	0.02	0.02	6.64	5.21	8.99	-0.51		8.48	24.00	Pass
BE40	MCS0	2	123	6565	Full	0.02	0.02	9.11	8.71	11.92	-0.51		11.41	24.00	Pass
BE40	MCS0	2	147	6685	Full	0.02	0.02	9.79	8.98	12.41	-0.51		11.90	24.00	Pass
BE40	MCS0	2	179	6845	Full	0.02	0.02	9.88	8.82	12.39	-0.51		11.88	24.00	Pass
BE80	MCS0	2	135	6625	Full	0.02	0.02	12.22	11.69	14.97	-0.51		14.46	24.00	Pass
BE80	MCS0	2	151	6705	Full	0.02	0.02	12.68	11.82	15.28	-0.51		14.77	24.00	Pass
BE80	MCS0	2	167	6785	Full	0.02	0.02	10.70	9.88	13.32	-0.51		12.81	24.00	Pass
BE80	MCS0	2	183	6865	Full	0.02	0.02	12.89	11.28	15.17	-0.51		14.66	24.00	Pass
BE160	MCS0	2	143	6665	Full	0.02	0.02	10.68	9.37	13.08	-0.51		12.57	24.00	Pass
BE160	MCS0	2	175	6825	Full	0.02	0.02	11.49	9.48	13.61	-0.51		13.10	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
BE20	MCS0	2	185	6875	Full	0.02	0.02	7.55	5.64	9.71	-1.22		8.49	24.00	Pass
BE20	MCS0	2	189	6895	Full	0.02	0.02	7.96	5.88	10.05	-1.22		8.83	24.00	Pass
BE20	MCS0	2	209	6995	Full	0.02	0.02	7.62	5.67	9.76	-1.22		8.54	24.00	Pass
BE20	MCS0	2	229	7095	Full	0.02	0.02	8.75	8.09	11.44	-1.22		10.22	24.00	Pass
BE20	MCS0	2	229	7095	26/8	0.02	0.02	-1.80	-3.37	0.49	-1.22		-0.73	24.00	Pass
BE20	MCS0	2	229	7095	52/40	0.02	0.02	1.45	-0.31	3.67	-1.22		2.45	24.00	Pass
BE20	MCS0	2	229	7095	106/54	0.02	0.02	3.41	3.26	6.34	-1.22		5.12	24.00	Pass
BE20	MCS0	2	233	7115	Full	0.02	0.02	-4.43	-4.35	-1.38	-1.22		-2.60	24.00	Pass
BE20	MCS0	2	233	7115	26/8	0.02	0.02	-15.11	-14.82	-11.96	-1.22		-13.18	24.00	Pass
BE20	MCS0	2	233	7115	52/40	0.02	0.02	-13.04	-12.87	-9.95	-1.22		-11.17	24.00	Pass
BE20	MCS0	2	233	7115	106/54	0.02	0.02	-8.97	-8.73	-5.84	-1.22		-7.06	24.00	Pass
BE40	MCS0	2	187	6885	Full	0.02	0.02	11.09	9.06	13.20	-1.22		11.98	24.00	Pass
BE40	MCS0	2	195	6925	Full	0.02	0.02	10.96	8.95	13.08	-1.22		11.86	24.00	Pass
BE40	MCS0	2	203	6965	Full	0.02	0.02	10.79	8.35	12.75	-1.22		11.53	24.00	Pass
BE40	MCS0	2	227	7085	Full	0.02	0.02	10.65	9.87	13.28	-1.22		12.06	24.00	Pass
BE80	MCS0	2	199	6945	Full	0.02	0.02	13.67	11.44	15.70	-1.22		14.48	24.00	Pass
BE80	MCS0	2	215	7025	Full	0.02	0.02	10.46	10.24	13.36	-1.22		12.14	24.00	Pass
BE160	MCS0	2	207	6985	Full	0.02	0.02	11.82	10.07	14.04	-1.22		12.82	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HT20	MCS0	2	001	5955	0.01	0.01	5.61	4.45	8.08	0.59		8.67	24.00	Pass
HT20	MCS0	2	002	5935	0.01	0.01	-7.19	-7.30	-4.24	0.59		-3.65	24.00	Pass
HT20	MCS0	2	045	6175	0.01	0.01	5.79	4.26	8.10	0.59		8.69	24.00	Pass
HT20	MCS0	2	093	6415	0.01	0.01	5.36	4.80	8.10	0.59		8.69	24.00	Pass
HT40	MCS0	2	003	5965	0.02	0.02	8.82	7.54	11.23	0.59		11.82	24.00	Pass
HT40	MCS0	2	043	6165	0.02	0.02	8.95	7.58	11.33	0.59		11.92	24.00	Pass
HT40	MCS0	2	091	6405	0.02	0.02	8.85	8.12	11.51	0.59		12.10	24.00	Pass
VHT20	MCS0	2	001	5955	0.02	0.01	5.59	4.43	8.06	0.59		8.65	24.00	Pass
VHT20	MCS0	2	2	5935	0.02	0.01	-7.26	-7.36	-4.30	0.59		-3.71	24.00	Pass
VHT20	MCS0	2	045	6175	0.02	0.01	5.77	4.24	8.08	0.59		8.67	24.00	Pass
VHT20	MCS0	2	093	6415	0.02	0.01	5.34	4.78	8.08	0.59		8.67	24.00	Pass
VHT40	MCS0	2	003	5965	0.01	0.02	8.79	7.53	11.21	0.59		11.80	24.00	Pass
VHT40	MCS0	2	043	6165	0.01	0.02	8.92	7.57	11.30	0.59		11.89	24.00	Pass
VHT40	MCS0	2	091	6405	0.01	0.02	8.82	8.11	11.49	0.59		12.08	24.00	Pass
VHT80	MCS0	2	007	5985	0.02	0.02	10.43	9.89	13.17	0.59		13.76	24.00	Pass
VHT80	MCS0	2	039	6145	0.02	0.02	11.33	10.42	13.91	0.59		14.50	24.00	Pass
VHT80	MCS0	2	087	6385	0.02	0.02	11.63	10.52	14.12	0.59		14.71	24.00	Pass
VHT160	MCS0	2	015	6025	0.02	0.01	9.48	8.28	11.93	0.59		12.52	24.00	Pass
VHT160	MCS0	2	047	6185	0.02	0.01	9.66	7.62	11.77	0.59		12.36	24.00	Pass
VHT160	MCS0	2	079	6345	0.02	0.01	9.68	8.08	11.96	0.59		12.55	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HT20	MCS0	2	097	6435	0.01	0.01	5.99	5.38	8.70	-0.47		8.23	24.00	Pass
HT20	MCS0	2	105	6475	0.01	0.01	6.00	5.37	8.70	-0.47		8.23	24.00	Pass
HT20	MCS0	2	113	6515	0.01	0.01	5.77	5.02	8.42	-0.47		7.95	24.00	Pass
HT40	MCS0	2	099	6445	0.02	0.02	9.27	8.91	12.10	-0.47		11.63	24.00	Pass
HT40	MCS0	2	107	6485	0.02	0.02	9.17	8.87	12.03	-0.47		11.56	24.00	Pass
HT40	MCS0	2	115	6525	0.02	0.02	9.11	8.33	11.74	-0.47		11.27	24.00	Pass
VHT20	MCS0	2	097	6435	0.02	0.01	5.97	5.36	8.68	-0.47		8.21	24.00	Pass
VHT20	MCS0	2	105	6475	0.02	0.01	5.98	5.35	8.68	-0.47		8.21	24.00	Pass
VHT20	MCS0	2	113	6515	0.02	0.01	5.75	5.00	8.40	-0.47		7.93	24.00	Pass
VHT40	MCS0	2	099	6445	0.01	0.02	9.24	8.90	12.08	-0.47		11.61	24.00	Pass
VHT40	MCS0	2	107	6485	0.01	0.02	9.14	8.86	12.01	-0.47		11.54	24.00	Pass
VHT40	MCS0	2	115	6525	0.01	0.02	9.08	8.32	11.72	-0.47		11.25	24.00	Pass
VHT80	MCS0	2	103	6465	0.02	0.02	11.62	11.00	14.33	-0.47		13.86	24.00	Pass
VHT80	MCS0	2	119	6545	0.02	0.02	10.91	10.92	13.92	-0.47		13.45	24.00	Pass
VHT160	MCS0	2	111	6505	0.02	0.01	9.95	9.09	12.55	-0.47		12.08	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HT20	MCS0	2	117	6535	0.01	0.01	6.16	5.87	9.03	-0.51		8.52	24.00	Pass
HT20	MCS0	2	149	6695	0.01	0.01	6.50	5.30	8.95	-0.51		8.44	24.00	Pass
HT20	MCS0	2	181	6855	0.01	0.01	6.52	5.07	8.86	-0.51		8.35	24.00	Pass
HT40	MCS0	2	123	6565	0.02	0.02	8.99	8.59	11.80	-0.51		11.29	24.00	Pass
HT40	MCS0	2	147	6685	0.02	0.02	9.67	8.86	12.29	-0.51		11.78	24.00	Pass
HT40	MCS0	2	179	6845	0.02	0.02	9.76	8.70	12.27	-0.51		11.76	24.00	Pass
VHT20	MCS0	2	117	6535	0.02	0.01	6.14	5.85	9.01	-0.51		8.50	24.00	Pass
VHT20	MCS0	2	149	6695	0.02	0.01	6.48	5.28	8.93	-0.51		8.42	24.00	Pass
VHT20	MCS0	2	181	6855	0.02	0.01	6.50	5.05	8.84	-0.51		8.33	24.00	Pass
VHT40	MCS0	2	123	6565	0.01	0.02	8.96	8.58	11.78	-0.51		11.27	24.00	Pass
VHT40	MCS0	2	147	6685	0.01	0.02	9.64	8.85	12.27	-0.51		11.76	24.00	Pass
VHT40	MCS0	2	179	6845	0.01	0.02	9.73	8.69	12.25	-0.51		11.74	24.00	Pass
VHT80	MCS0	2	135	6625	0.02	0.02	12.09	11.55	14.83	-0.51		14.32	24.00	Pass
VHT80	MCS0	2	151	6705	0.02	0.02	12.55	11.68	15.14	-0.51		14.63	24.00	Pass
VHT80	MCS0	2	167	6785	0.02	0.02	10.63	9.83	13.25	-0.51		12.74	24.00	Pass
VHT80	MCS0	2	183	6865	0.02	0.02	12.76	11.14	15.03	-0.51		14.52	24.00	Pass
VHT160	MCS0	2	143	6665	0.02	0.01	10.37	9.08	12.78	-0.51		12.27	24.00	Pass
VHT160	MCS0	2	175	6825	0.02	0.01	11.18	9.19	13.31	-0.51		12.80	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HT20	MCS0	2	185	6875	0.01	0.01	7.43	5.50	9.58	-1.22		8.36	24.00	Pass
HT20	MCS0	2	189	6895	0.01	0.01	7.84	5.74	9.92	-1.22		8.70	24.00	Pass
HT20	MCS0	2	209	6995	0.01	0.01	7.50	5.53	9.63	-1.22		8.41	24.00	Pass
HT20	MCS0	2	229	7095	0.01	0.01	8.63	7.95	11.31	-1.22		10.09	24.00	Pass
HT20	MCS0	2	233	7115	0.01	0.01	-4.61	-4.52	-1.56	-1.22		-2.78	24.00	Pass
HT40	MCS0	2	187	6885	0.02	0.02	10.97	8.94	13.08	-1.22		11.86	24.00	Pass
HT40	MCS0	2	195	6925	0.02	0.02	10.84	8.83	12.96	-1.22		11.74	24.00	Pass
HT40	MCS0	2	203	6965	0.02	0.02	10.67	8.23	12.63	-1.22		11.41	24.00	Pass
HT40	MCS0	2	227	7085	0.02	0.02	10.59	9.81	13.22	-1.22		12.00	24.00	Pass
VHT20	MCS0	2	185	6875	0.02	0.01	7.41	5.48	9.56	-1.22		8.34	24.00	Pass
VHT20	MCS0	2	189	6895	0.02	0.01	7.82	5.72	9.90	-1.22		8.68	24.00	Pass
VHT20	MCS0	2	209	6995	0.02	0.01	7.48	5.51	9.61	-1.22		8.39	24.00	Pass
VHT20	MCS0	2	229	7095	0.02	0.01	8.61	7.93	11.29	-1.22		10.07	24.00	Pass
VHT20	MCS0	2	233	7115	0.02	0.01	-4.66	-4.58	-1.61	-1.22		-2.83	24.00	Pass
VHT40	MCS0	2	187	6885	0.01	0.02	10.94	8.93	13.06	-1.22		11.84	24.00	Pass
VHT40	MCS0	2	195	6925	0.01	0.02	10.81	8.82	12.94	-1.22		11.72	24.00	Pass
VHT40	MCS0	2	203	6965	0.01	0.02	10.64	8.22	12.60	-1.22		11.38	24.00	Pass
VHT40	MCS0	2	227	7085	0.01	0.02	10.53	9.79	13.18	-1.22		11.96	24.00	Pass
VHT80	MCS0	2	199	6945	0.02	0.02	13.54	11.30	15.57	-1.22		14.35	24.00	Pass
VHT80	MCS0	2	215	7025	0.02	0.02	10.41	10.20	13.31	-1.22		12.09	24.00	Pass
VHT160	MCS0	2	207	6985	0.02	0.01	11.51	10.03	13.84	-1.22		12.62	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HE20	MCS0	2	001	5955	Full	0.02	0.02	5.64	4.51	8.12	0.59		8.71	24.00	Pass
HE20	MCS0	2	001	5955	26/0	0.02	0.02	-5.16	-5.96	-2.54	0.59		-1.95	24.00	Pass
HE20	MCS0	2	001	5955	52/37	0.02	0.02	-2.17	-2.79	0.54	0.59		1.13	24.00	Pass
HE20	MCS0	2	001	5955	106/53	0.02	0.02	0.97	0.43	3.71	0.59		4.30	24.00	Pass
HE20	MCS0	2	002	5935	Full	0.02	0.02	-7.11	-7.19	-4.14	0.59		-3.55	24.00	Pass
HE20	MCS0	2	002	5935	26/4	0.02	0.02	-17.19	-16.88	-14.03	0.59		-13.44	24.00	Pass
HE20	MCS0	2	002	5935	52/39	0.02	0.02	-15.33	-15.12	-12.22	0.59		-11.63	24.00	Pass
HE20	MCS0	2	002	5935	106/53	0.02	0.02	-11.89	-11.20	-8.52	0.59		-7.93	24.00	Pass
HE20	MCS0	2	045	6175	Full	0.02	0.02	5.82	4.32	8.14	0.59		8.73	24.00	Pass
HE20	MCS0	2	093	6415	Full	0.02	0.02	5.39	4.86	8.14	0.59		8.73	24.00	Pass
HE40	MCS0	2	003	5965	Full	0.01	0.01	8.82	7.56	11.24	0.59		11.83	24.00	Pass
HE40	MCS0	2	043	6165	Full	0.01	0.01	8.95	7.60	11.34	0.59		11.93	24.00	Pass
HE40	MCS0	2	091	6405	Full	0.01	0.01	8.85	8.14	11.52	0.59		12.11	24.00	Pass
HE80	MCS0	2	007	5985	Full	0.02	0.02	10.45	9.91	13.20	0.59		13.79	24.00	Pass
HE80	MCS0	2	039	6145	Full	0.02	0.02	11.37	10.46	13.95	0.59		14.54	24.00	Pass
HE80	MCS0	2	087	6385	Full	0.02	0.02	11.67	10.56	14.16	0.59		14.75	24.00	Pass
HE160	MCS0	2	015	6025	Full	0.02	0.02	9.61	8.44	12.07	0.59		12.66	24.00	Pass
HE160	MCS0	2	047	6185	Full	0.02	0.02	9.79	7.78	11.91	0.59		12.50	24.00	Pass
HE160	MCS0	2	079	6345	Full	0.02	0.02	9.81	8.24	12.11	0.59		12.70	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HE20	MCS0	2	097	6435	Full	0.02	0.02	6.02	5.44	8.75	-0.47		8.28	24.00	Pass
HE20	MCS0	2	097	6435	26/0	0.02	0.02	-3.99	-5.41	-1.64	-0.47		-2.11	24.00	Pass
HE20	MCS0	2	097	6435	52/37	0.02	0.02	-0.82	-2.25	1.53	-0.47		1.06	24.00	Pass
HE20	MCS0	2	097	6435	106/53	0.02	0.02	2.55	1.02	4.86	-0.47		4.39	24.00	Pass
HE20	MCS0	2	105	6475	Full	0.02	0.02	6.03	5.43	8.75	-0.47		8.28	24.00	Pass
HE20	MCS0	2	113	6515	Full	0.02	0.02	5.80	5.08	8.46	-0.47		7.99	24.00	Pass
HE40	MCS0	2	099	6445	Full	0.01	0.01	9.27	8.93	12.11	-0.47		11.64	24.00	Pass
HE40	MCS0	2	107	6485	Full	0.01	0.01	9.17	8.89	12.04	-0.47		11.57	24.00	Pass
HE40	MCS0	2	115	6525	Full	0.01	0.01	9.11	8.35	11.76	-0.47		11.29	24.00	Pass
HE80	MCS0	2	103	6465	Full	0.02	0.02	11.66	10.97	14.34	-0.47		13.87	24.00	Pass
HE80	MCS0	2	119	6545	Full	0.02	0.02	10.93	10.95	13.95	-0.47		13.48	24.00	Pass
HE160	MCS0	2	111	6505	Full	0.02	0.02	10.08	9.25	12.69	-0.47		12.22	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HE20	MCS0	2	117	6535	Full	0.02	0.02	6.19	5.93	9.07	-0.51		8.56	24.00	Pass
HE20	MCS0	2	117	6535	26/0	0.02	0.02	-4.47	-4.41	-1.43	-0.51		-1.94	24.00	Pass
HE20	MCS0	2	117	6535	52/37	0.02	0.02	-1.77	-1.76	1.24	-0.51		0.73	24.00	Pass
HE20	MCS0	2	117	6535	106/53	0.02	0.02	1.42	1.34	4.39	-0.51		3.88	24.00	Pass
HE20	MCS0	2	149	6695	Full	0.02	0.02	6.53	5.36	8.99	-0.51		8.48	24.00	Pass
HE20	MCS0	2	181	6855	Full	0.02	0.02	6.55	5.13	8.90	-0.51		8.39	24.00	Pass
HE40	MCS0	2	123	6565	Full	0.01	0.01	8.99	8.61	11.81	-0.51		11.30	24.00	Pass
HE40	MCS0	2	147	6685	Full	0.01	0.01	9.67	8.88	12.30	-0.51		11.79	24.00	Pass
HE40	MCS0	2	179	6845	Full	0.01	0.01	9.76	8.72	12.28	-0.51		11.77	24.00	Pass
HE80	MCS0	2	135	6625	Full	0.02	0.02	12.13	11.59	14.88	-0.51		14.37	24.00	Pass
HE80	MCS0	2	151	6705	Full	0.02	0.02	12.59	11.72	15.18	-0.51		14.67	24.00	Pass
HE80	MCS0	2	167	6785	Full	0.02	0.02	10.66	9.85	13.28	-0.51		12.77	24.00	Pass
HE80	MCS0	2	183	6865	Full	0.02	0.02	12.80	11.18	15.07	-0.51		14.56	24.00	Pass
HE160	MCS0	2	143	6665	Full	0.02	0.02	10.50	9.24	12.93	-0.51		12.42	24.00	Pass
HE160	MCS0	2	175	6825	Full	0.02	0.02	11.31	9.35	13.45	-0.51		12.94	24.00	Pass

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 5	Ant 6	Ant 5	Ant 6	SUM	Ant 5	Ant 6	SUM		
HE20	MCS0	2	185	6875	Full	0.02	0.02	7.46	5.56	9.62	-1.22		8.40	24.00	Pass
HE20	MCS0	2	189	6895	Full	0.02	0.02	7.87	5.80	9.96	-1.22		8.74	24.00	Pass
HE20	MCS0	2	209	6995	Full	0.02	0.02	7.53	5.59	9.67	-1.22		8.45	24.00	Pass
HE20	MCS0	2	229	7095	Full	0.02	0.02	8.66	8.01	11.35	-1.22		10.13	24.00	Pass
HE20	MCS0	2	229	7095	26/8	0.02	0.02	-1.84	-3.39	0.46	-1.22		-0.76	24.00	Pass
HE20	MCS0	2	229	7095	52/40	0.02	0.02	1.43	-0.36	3.63	-1.22		2.41	24.00	Pass
HE20	MCS0	2	229	7095	106/54	0.02	0.02	3.38	3.02	6.21	-1.22		4.99	24.00	Pass
HE20	MCS0	2	233	7115	Full	0.02	0.02	-4.52	-4.44	-1.47	-1.22		-2.69	24.00	Pass
HE20	MCS0	2	233	7115	26/8	0.02	0.02	-15.20	-14.91	-12.05	-1.22		-13.27	24.00	Pass
HE20	MCS0	2	233	7115	52/40	0.02	0.02	-13.13	-12.96	-10.04	-1.22		-11.26	24.00	Pass
HE20	MCS0	2	233	7115	106/54	0.02	0.02	-9.06	-8.82	-5.93	-1.22		-7.15	24.00	Pass
HE40	MCS0	2	187	6885	Full	0.01	0.01	10.97	8.96	13.09	-1.22		11.87	24.00	Pass
HE40	MCS0	2	195	6925	Full	0.01	0.01	10.84	8.85	12.97	-1.22		11.75	24.00	Pass
HE40	MCS0	2	203	6965	Full	0.01	0.01	10.67	8.25	12.63	-1.22		11.41	24.00	Pass
HE40	MCS0	2	227	7085	Full	0.01	0.01	10.61	9.83	13.25	-1.22		12.03	24.00	Pass
HE80	MCS0	2	199	6945	Full	0.02	0.02	13.58	11.34	15.61	-1.22		14.39	24.00	Pass
HE80	MCS0	2	215	7025	Full	0.02	0.02	10.44	10.22	13.34	-1.22		12.12	24.00	Pass
HE160	MCS0	2	207	6985	Full	0.02	0.02	11.64	10.05	13.93	-1.22		12.71	24.00	Pass

<MIMO Ant.5+4>

Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26dB EBW [MHz]	FL[MHz]	FH[MHz]
11A-CDD	Ant1	5935	23.36	5923.16	5946.52
	Ant2	5935	22.92	5923.44	5946.36
	Ant1	5955	23.00	5943.32	5966.32
	Ant2	5955	22.64	5943.56	5966.20
	Ant1	6175	23.36	6163.16	6186.52
	Ant2	6175	23.12	6163.56	6186.68
	Ant1	6415	23.40	6403.16	6426.56
	Ant2	6415	23.24	6403.44	6426.68
	Ant1	6435	23.16	6423.16	6446.32
	Ant2	6435	23.36	6423.60	6446.96
	Ant1	6475	23.16	6463.16	6486.32
	Ant2	6475	22.88	6463.48	6486.36
	Ant1	6515	23.16	6503.20	6526.36
	Ant2	6515	22.92	6503.64	6526.56
	Ant1	6535	23.36	6523.20	6546.56
	Ant2	6535	23.36	6523.60	6546.96
	Ant1	6695	23.36	6683.16	6706.52
	Ant2	6695	23.28	6683.68	6706.96
	Ant1	6855	23.48	6843.04	6866.52
	Ant2	6855	23.20	6843.76	6866.96
	Ant1	6875	23.16	6863.20	6886.36
	Ant2	6875	23.32	6863.60	6886.92
	Ant1	6895	23.32	6883.24	6906.56
	Ant2	6895	22.96	6883.60	6906.56
	Ant1	6995	22.88	6983.28	7006.16
	Ant2	6995	22.68	6983.64	7006.32
	Ant1	7095	23.32	7083.16	7106.48
	Ant2	7095	22.72	7083.56	7106.28
	Ant1	7115	23.28	7103.20	7126.48
	Ant2	7115	22.76	7103.56	7126.32
11BE20MIMO	Ant1	5935	23.68	5922.96	5946.64
	Ant2	5935	23.68	5923.24	5946.92

	Ant1	5955	23.84	5942.72	5966.56
	Ant2	5955	23.16	5943.28	5966.44
	Ant1	6175	23.68	6163.24	6186.92
	Ant2	6175	23.64	6163.08	6186.72
	Ant1	6415	23.48	6402.92	6426.40
	Ant2	6415	23.20	6403.24	6426.44
	Ant1	6435	23.64	6423.08	6446.72
	Ant2	6435	23.68	6422.96	6446.64
	Ant1	6475	23.92	6463.12	6487.04
	Ant2	6475	23.72	6462.96	6486.68
	Ant1	6515	23.68	6503.08	6526.76
	Ant2	6515	23.24	6503.48	6526.72
	Ant1	6535	23.64	6523.20	6546.84
	Ant2	6535	23.80	6523.16	6546.96
	Ant1	6695	23.48	6683.12	6706.60
	Ant2	6695	23.68	6683.24	6706.92
	Ant1	6855	23.32	6843.32	6866.64
	Ant2	6855	23.72	6843.24	6866.96
	Ant1	6875	23.32	6863.16	6886.48
	Ant2	6875	23.48	6863.24	6886.72
	Ant1	6895	23.48	6883.24	6906.72
	Ant2	6895	23.88	6883.12	6907.00
	Ant1	6995	22.96	6983.12	7006.08
	Ant2	6995	22.84	6983.48	7006.32
	Ant1	7095	23.36	7083.28	7106.64
	Ant2	7095	23.40	7083.56	7106.96
	Ant1	7115	23.56	7103.20	7126.76
	Ant2	7115	23.72	7103.28	7127.00
11BE40MIMO	Ant1	5965	43.12	5943.24	5986.36
	Ant2	5965	43.36	5943.56	5986.92
	Ant1	6165	43.52	6142.76	6186.28
	Ant2	6165	44.56	6143.16	6187.72
	Ant1	6405	45.12	6382.12	6427.24
	Ant2	6405	44.16	6382.76	6426.92
	Ant1	6445	43.52	6423.48	6467.00
	Ant2	6445	43.84	6422.60	6466.44
	Ant1	6485	44.80	6462.60	6507.40
	Ant2	6485	44.96	6461.96	6506.92

	Ant1	6525	44.00	6502.60	6546.60
	Ant2	6525	43.68	6503.24	6546.92
	Ant1	6565	44.00	6542.84	6586.84
	Ant2	6565	43.20	6543.24	6586.44
	Ant1	6685	43.52	6662.84	6706.36
	Ant2	6685	44.16	6663.40	6707.56
	Ant1	6845	43.60	6822.84	6866.44
	Ant2	6845	44.72	6822.36	6867.08
	Ant1	6885	44.80	6862.36	6907.16
	Ant2	6885	43.36	6863.24	6906.60
	Ant1	6925	44.32	6903.24	6947.56
	Ant2	6925	44.24	6902.20	6946.44
	Ant1	6965	44.24	6942.84	6987.08
	Ant2	6965	44.64	6942.20	6986.84
	Ant1	7085	45.12	7062.52	7107.64
	Ant2	7085	44.96	7062.60	7107.56
11BE80MIMO	Ant1	5985	87.04	5941.64	6028.68
	Ant2	5985	87.84	5939.56	6027.40
	Ant1	6145	87.68	6100.20	6187.88
	Ant2	6145	85.44	6101.48	6186.92
	Ant1	6385	87.04	6341.64	6428.68
	Ant2	6385	86.24	6342.12	6428.36
	Ant1	6465	87.52	6421.00	6508.52
	Ant2	6465	86.40	6421.48	6507.88
	Ant1	6545	84.32	6503.40	6587.72
	Ant2	6545	87.36	6502.12	6589.48
	Ant1	6625	86.08	6581.16	6667.24
	Ant2	6625	87.36	6581.48	6668.84
	Ant1	6705	86.56	6661.00	6747.56
	Ant2	6705	87.04	6661.96	6749.00
	Ant1	6785	87.68	6742.12	6829.80
	Ant2	6785	87.04	6741.48	6828.52
	Ant1	6865	87.84	6820.84	6908.68
	Ant2	6865	86.72	6821.96	6908.68
	Ant1	6945	84.16	6903.72	6987.88
	Ant2	6945	83.04	6904.20	6987.24
	Ant1	7025	87.84	6981.00	7068.84
	Ant2	7025	84.96	6982.92	7067.88

11BE160MIMO	Ant1	6025	168.32	5939.88	6108.20
	Ant2	6025	168.32	5942.12	6110.44
	Ant1	6185	169.28	6100.20	6269.48
	Ant2	6185	167.04	6102.76	6269.80
	Ant1	6345	167.04	6260.52	6427.56
	Ant2	6345	168.64	6261.48	6430.12
	Ant1	6505	167.68	6419.56	6587.24
	Ant2	6505	167.36	6422.44	6589.80
	Ant1	6665	169.60	6578.28	6747.88
	Ant2	6665	165.44	6582.44	6747.88
	Ant1	6825	167.04	6741.16	6908.20
	Ant2	6825	172.80	6735.72	6908.52
	Ant1	6985	165.44	6903.40	7068.84
	Ant2	6985	163.52	6903.40	7066.92

Test Graphs

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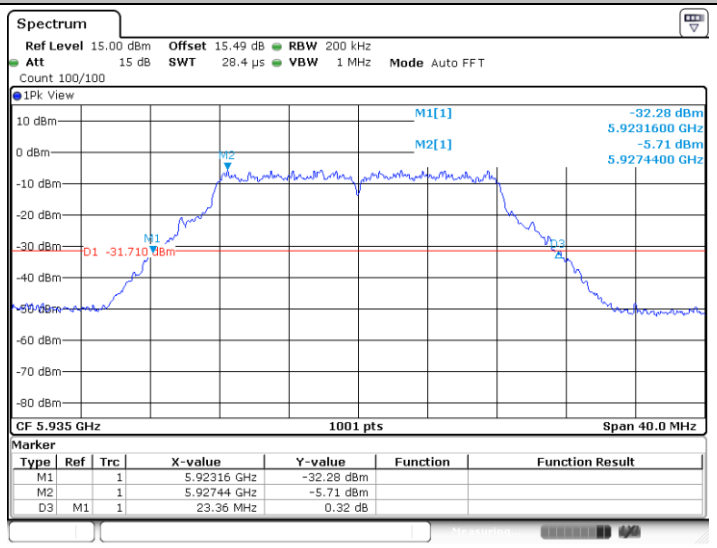

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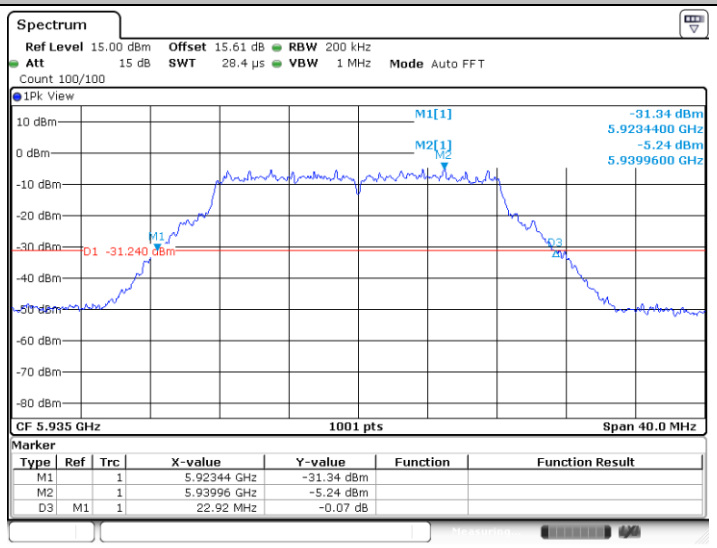

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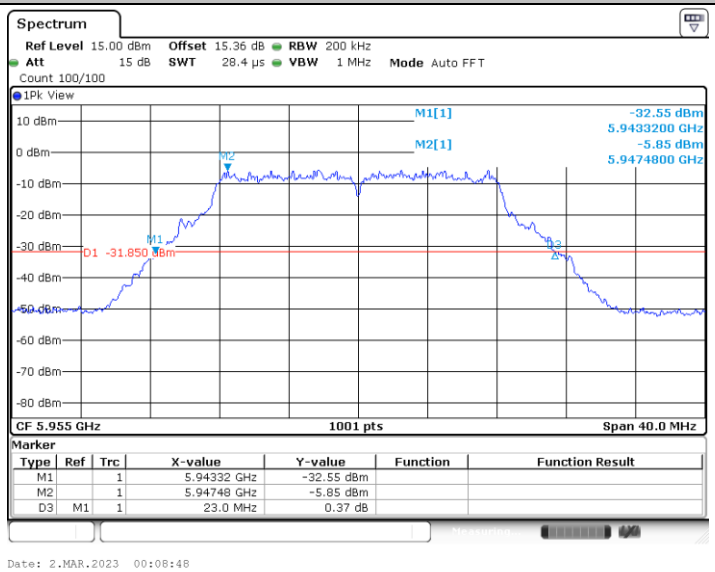

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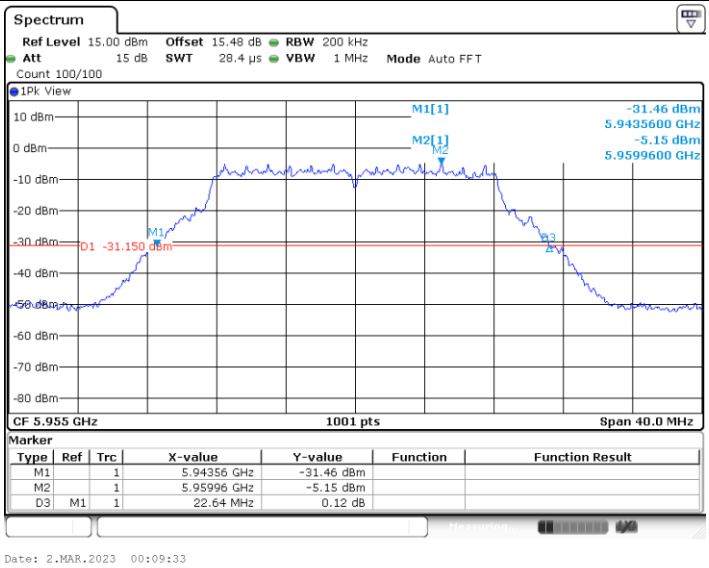

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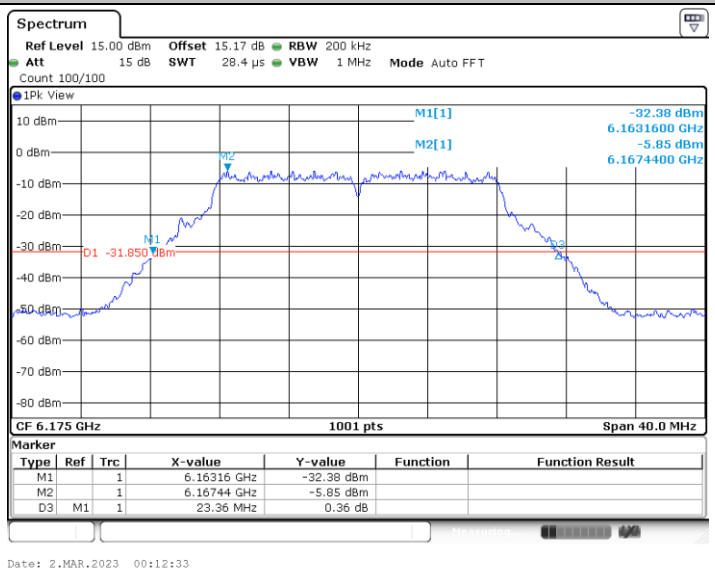

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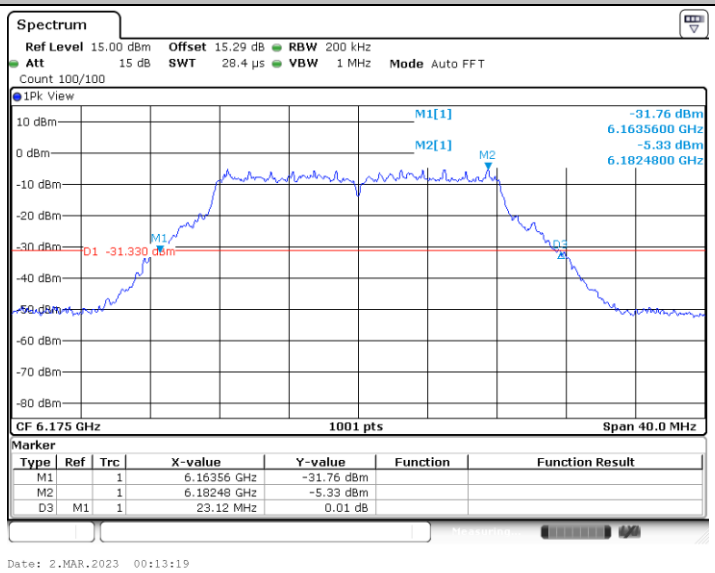

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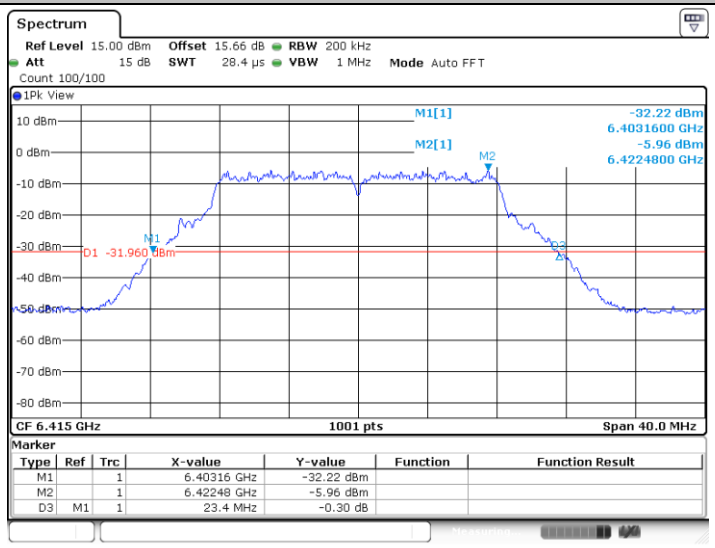

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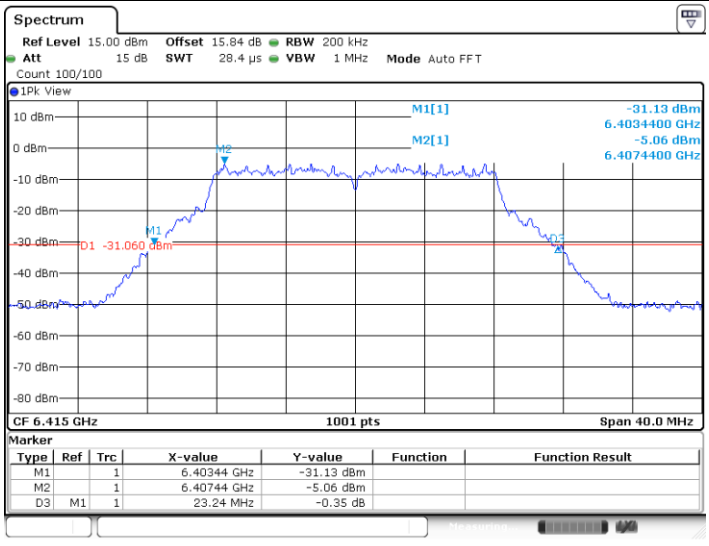

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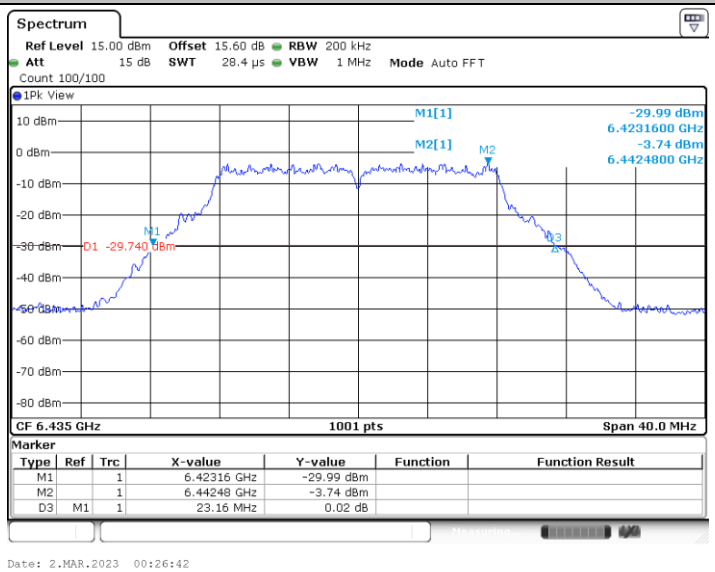

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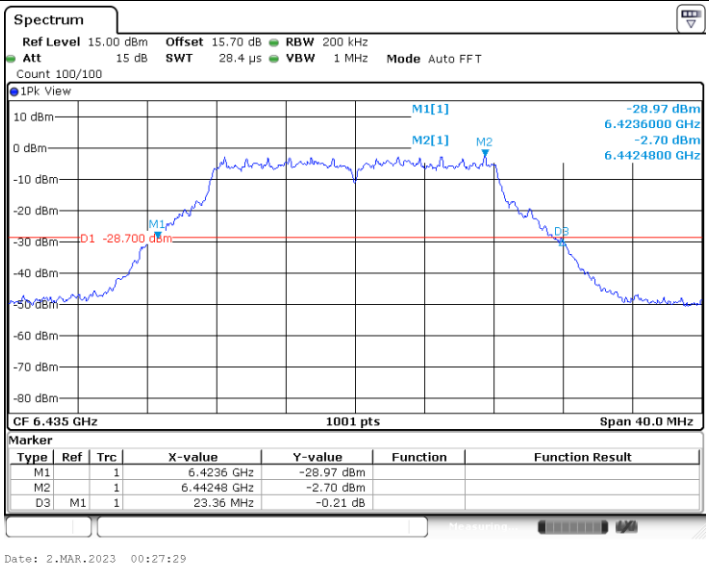

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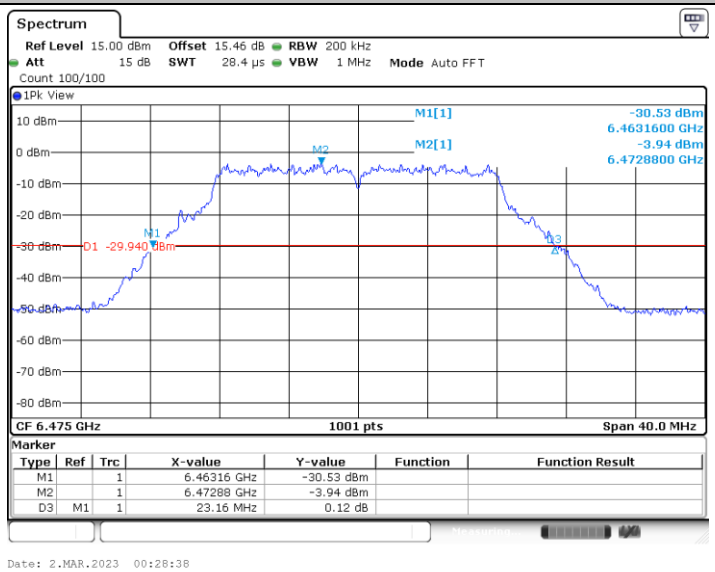

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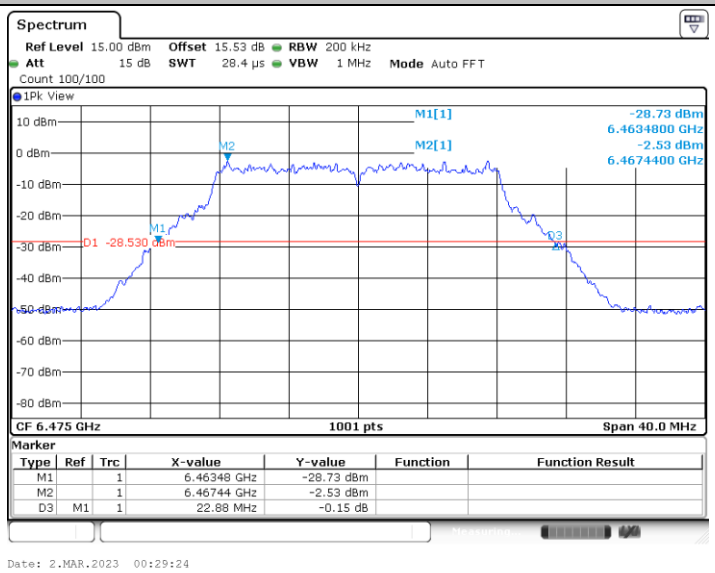

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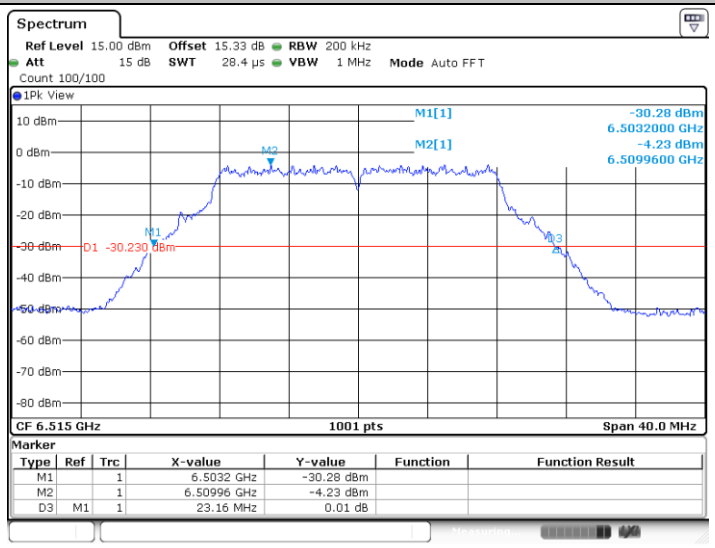

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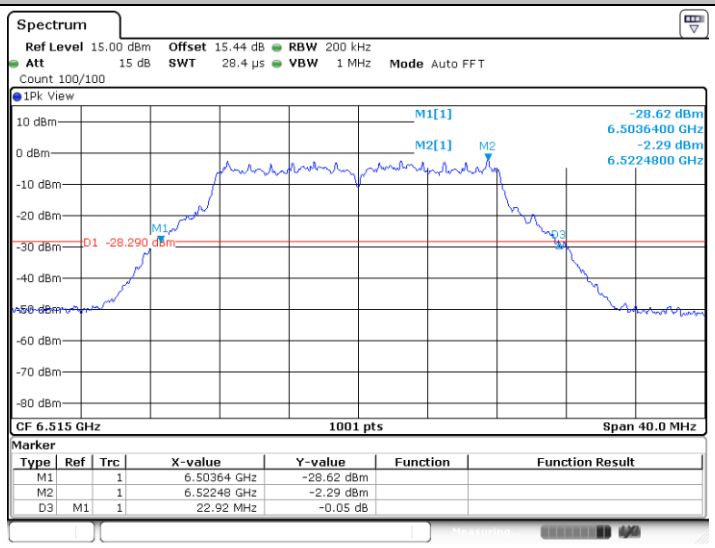

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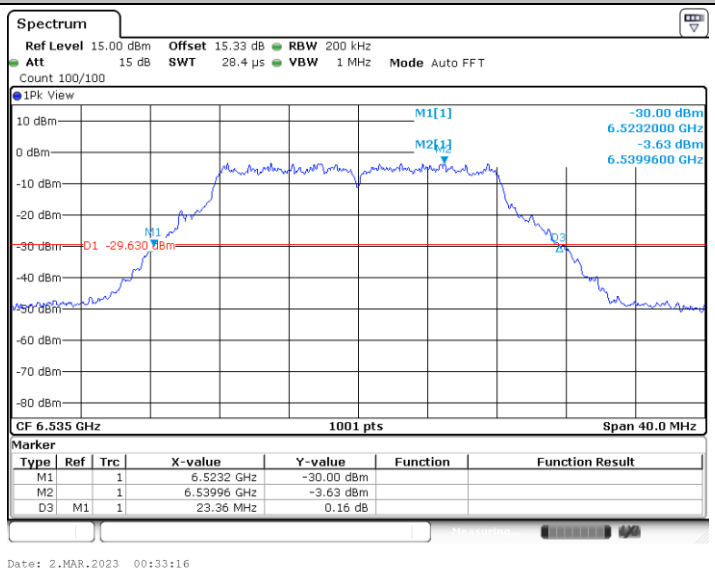

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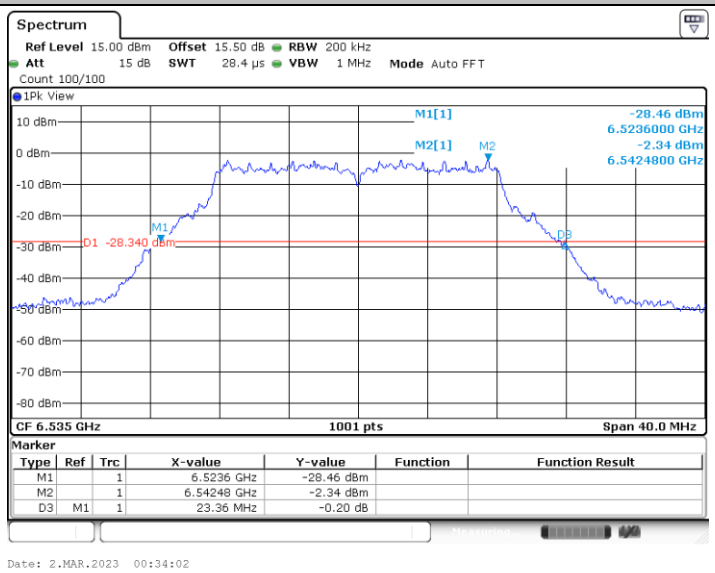

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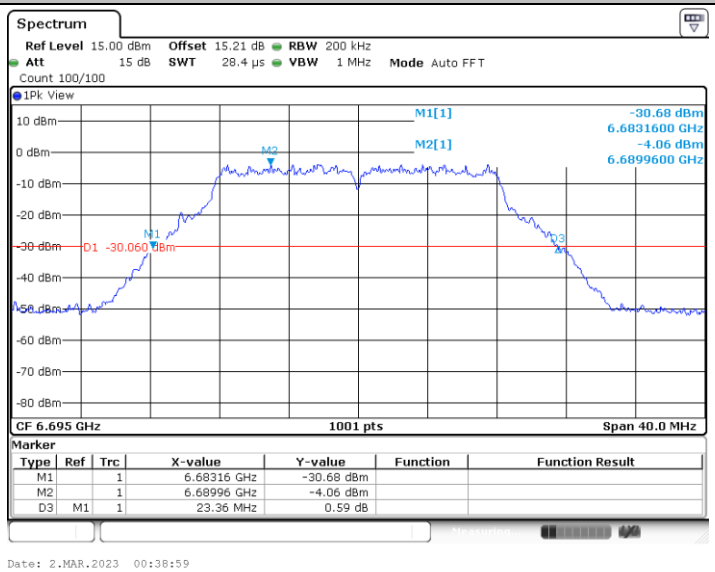

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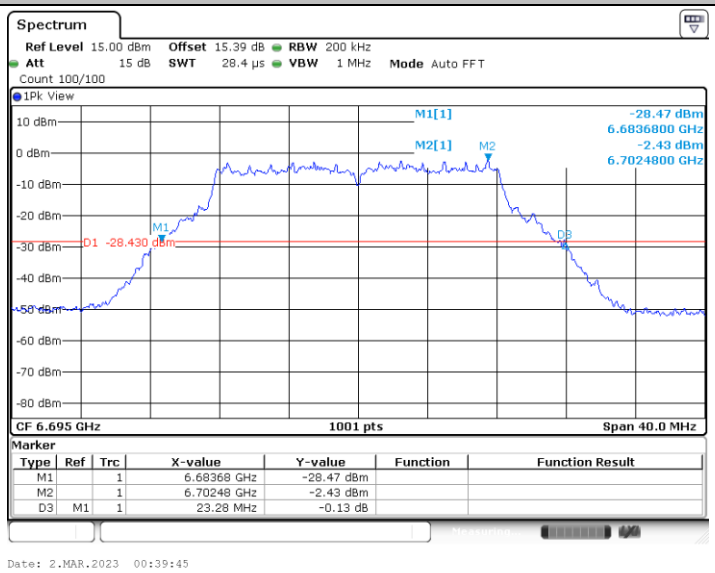

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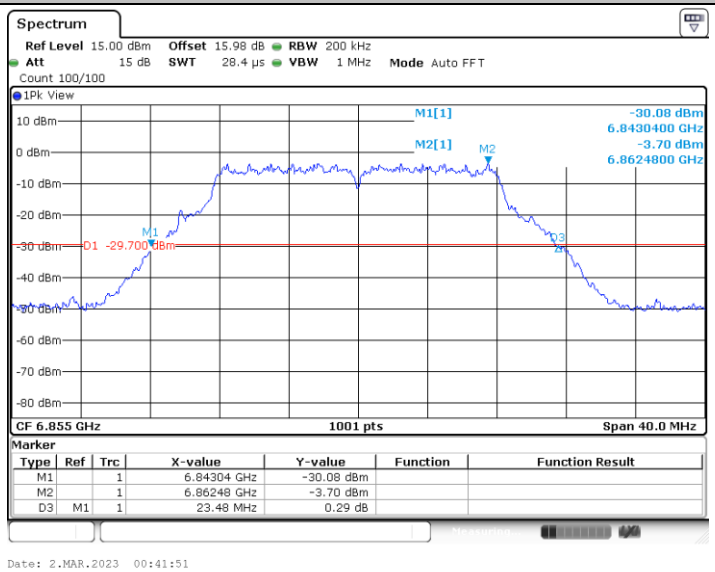

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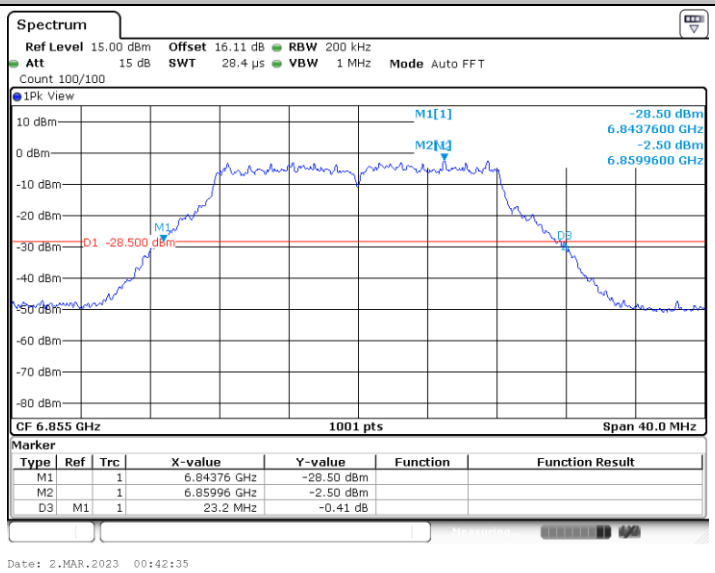

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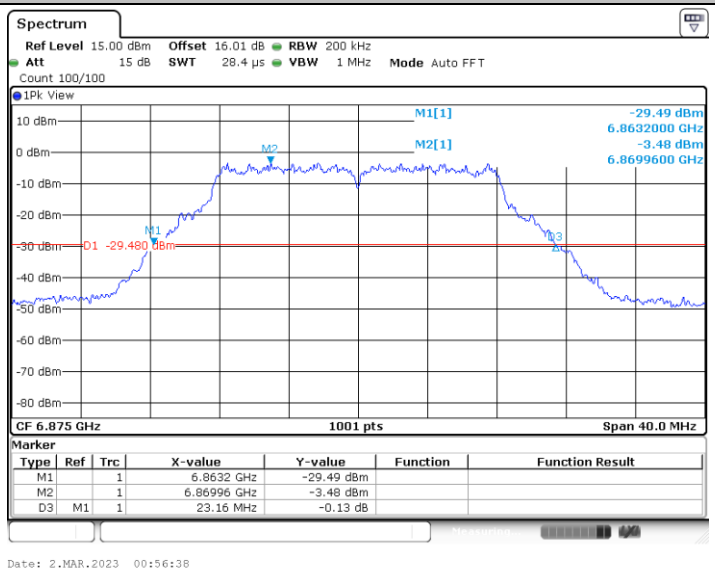

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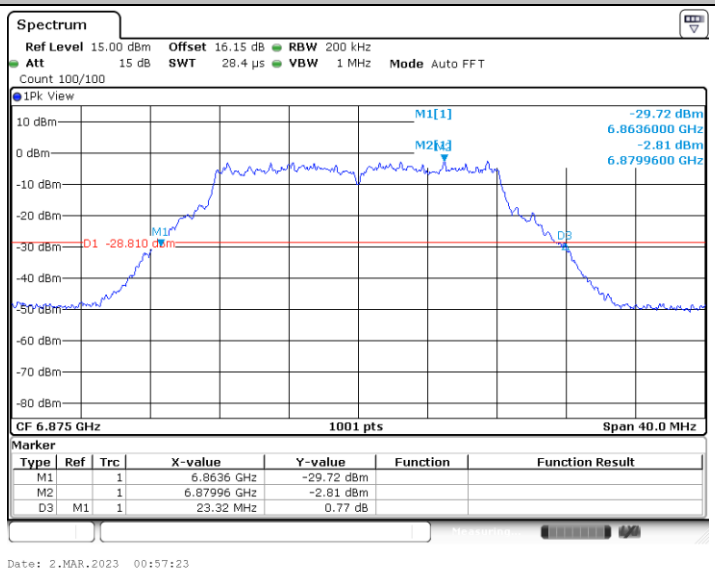

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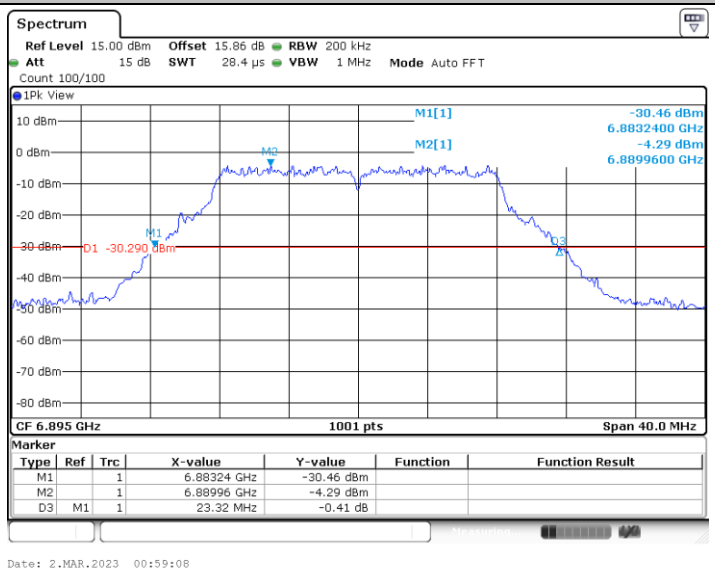

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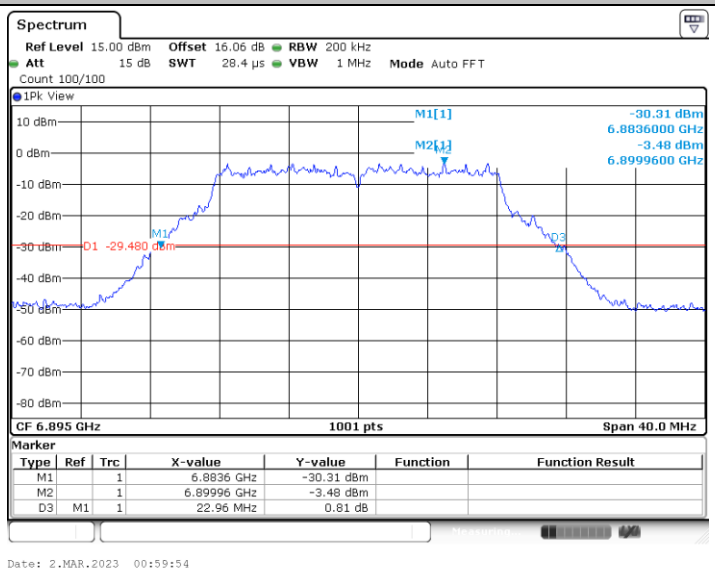

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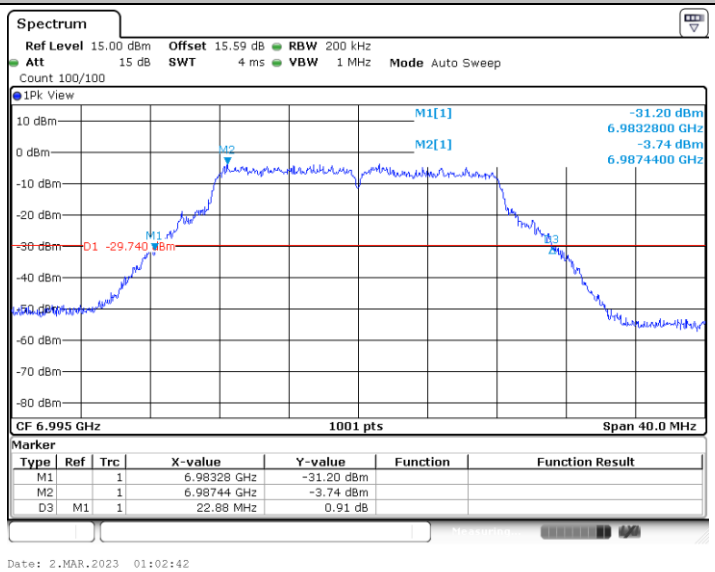

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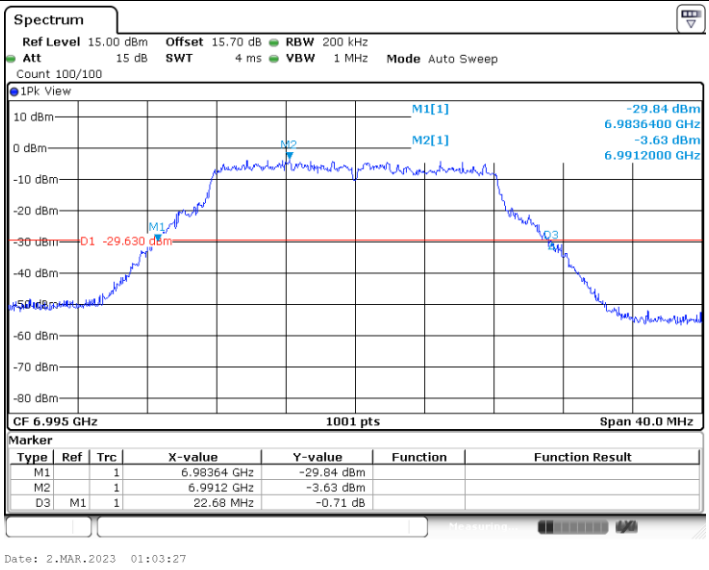

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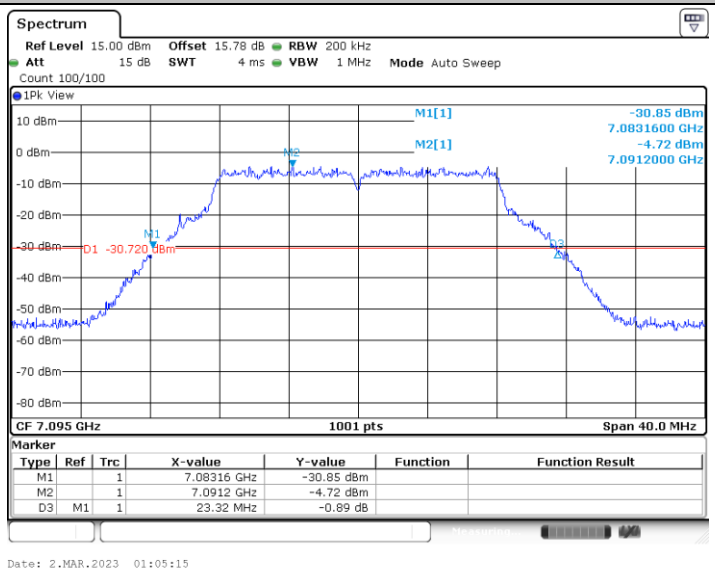

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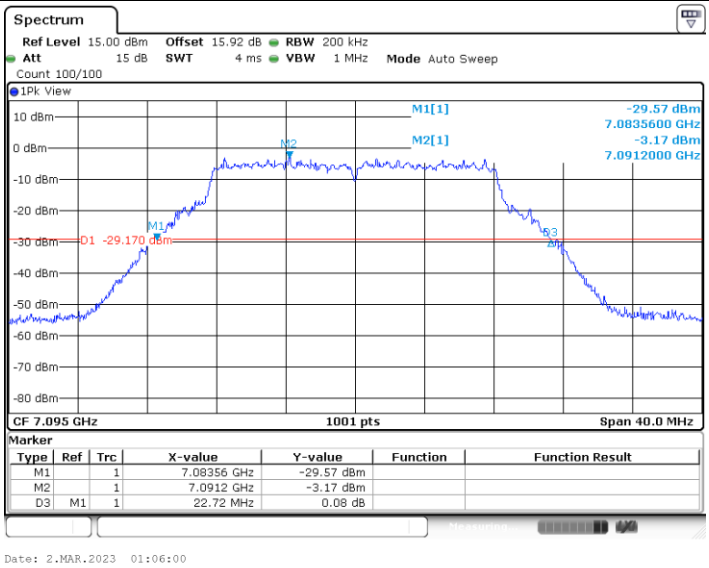

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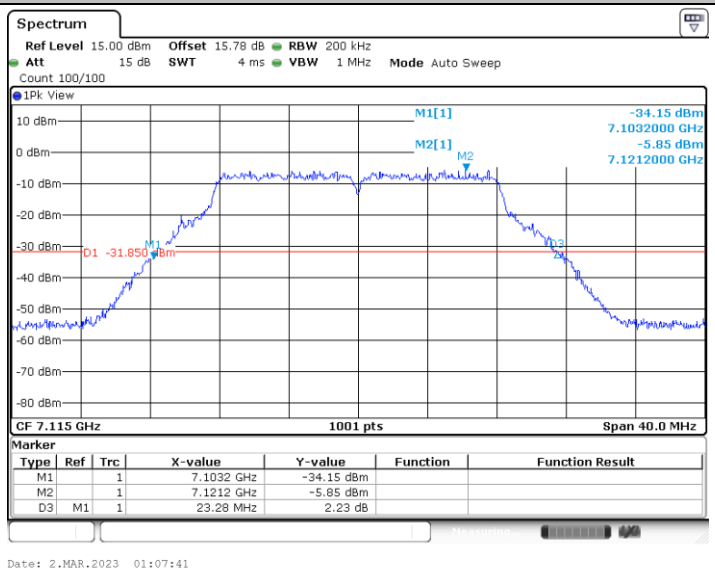

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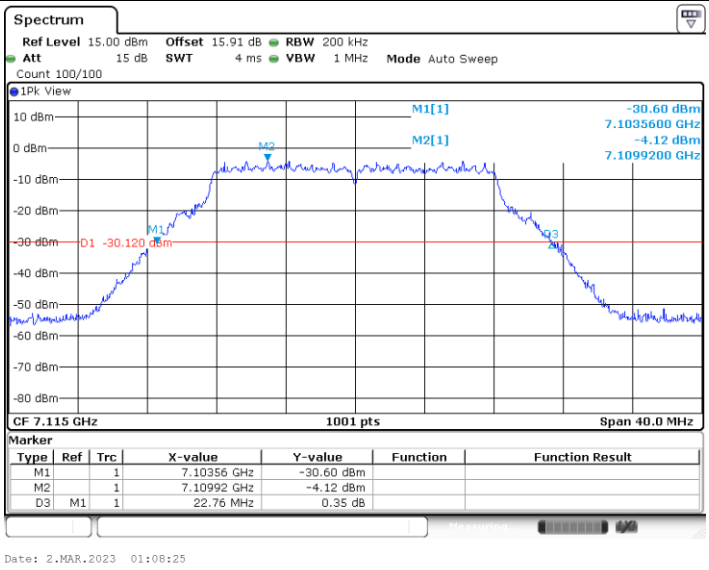

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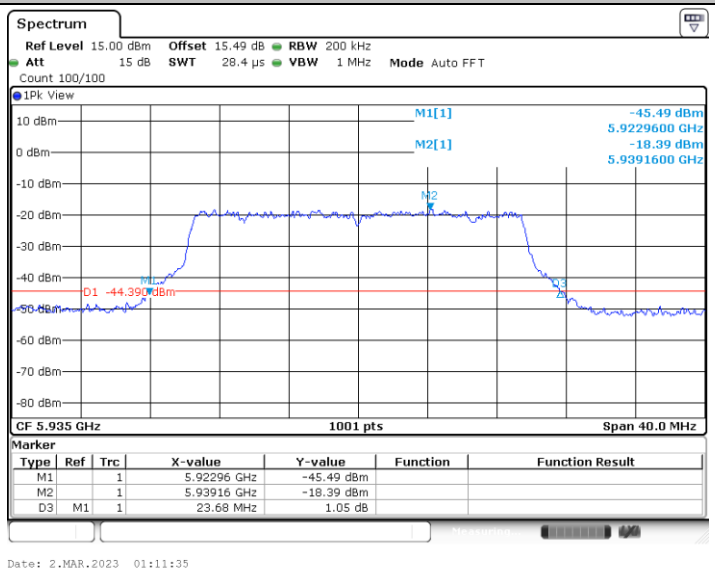

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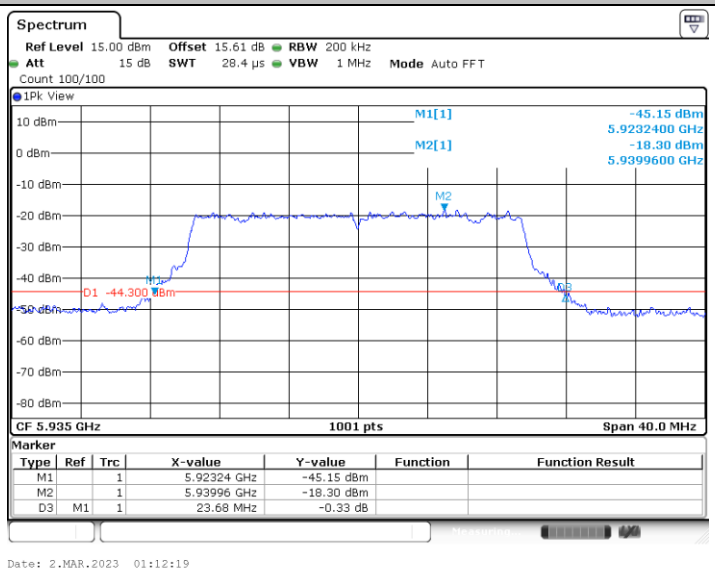

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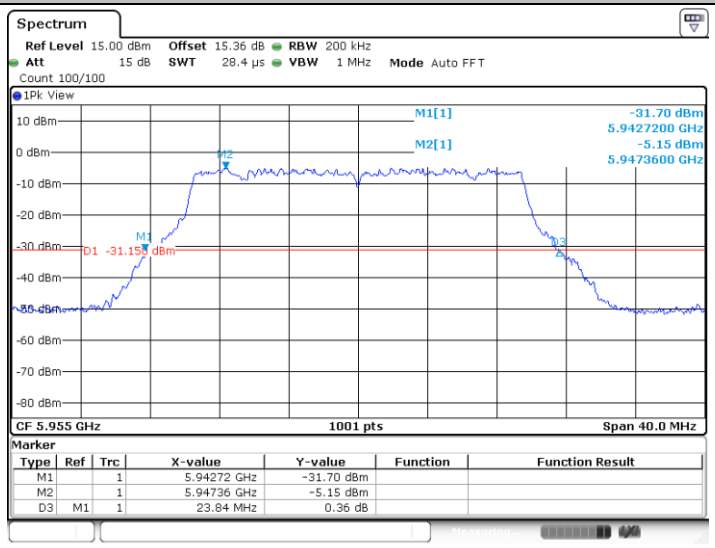

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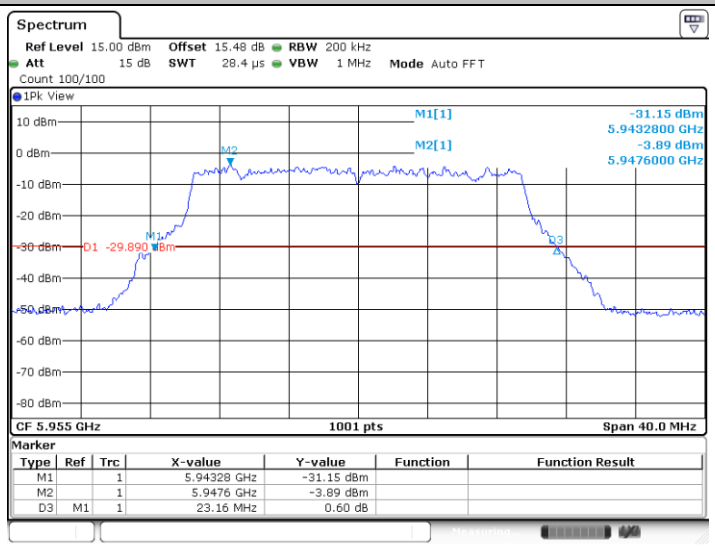

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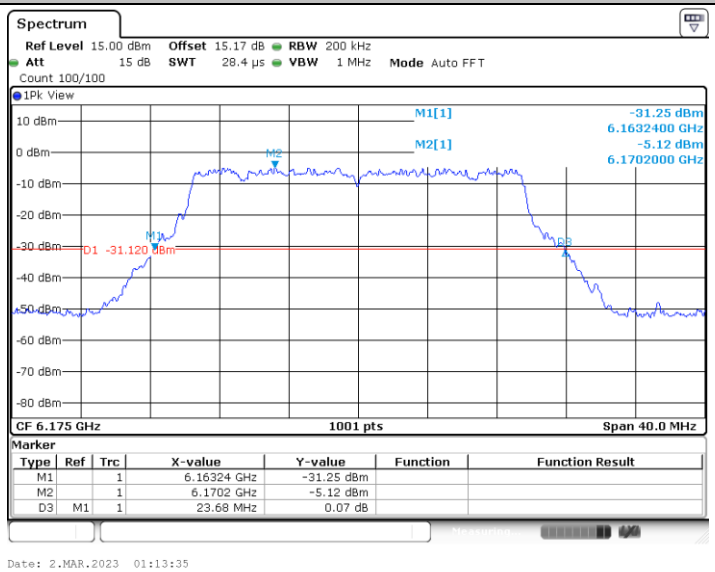

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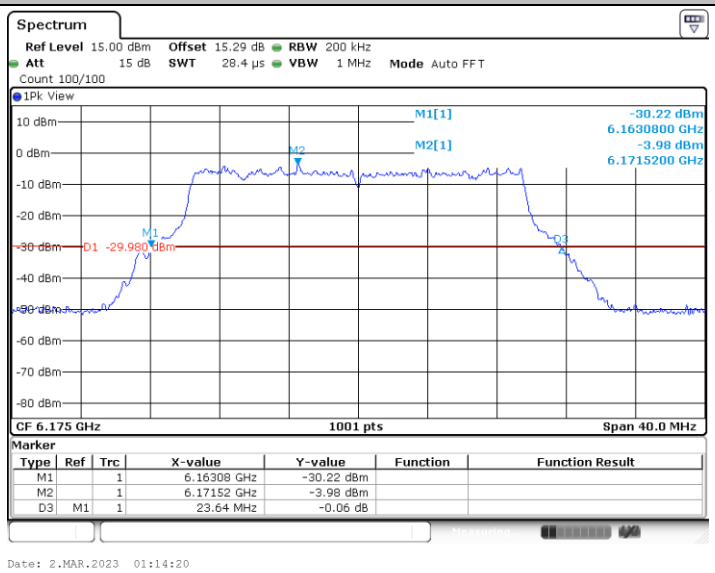

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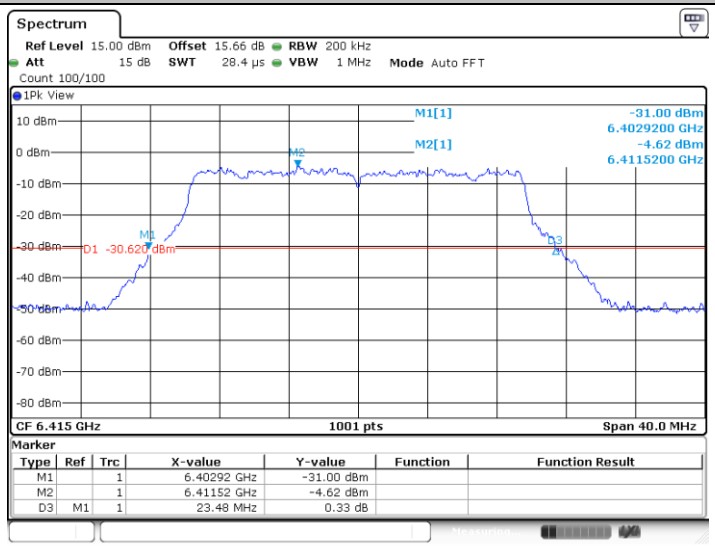

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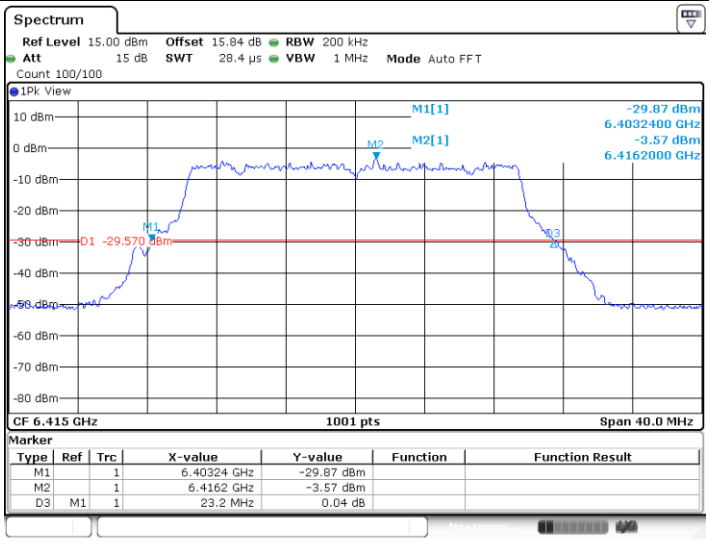

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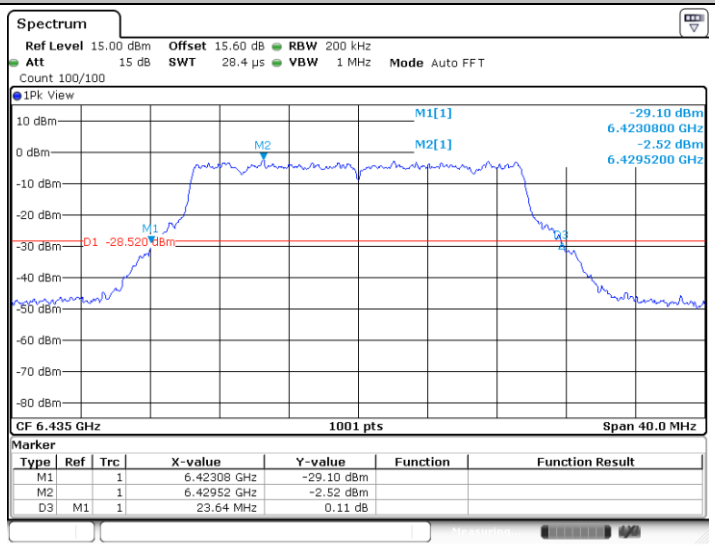

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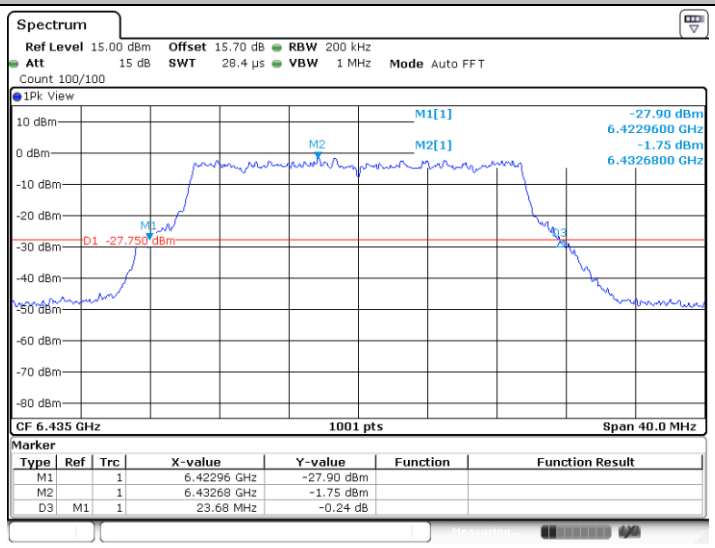

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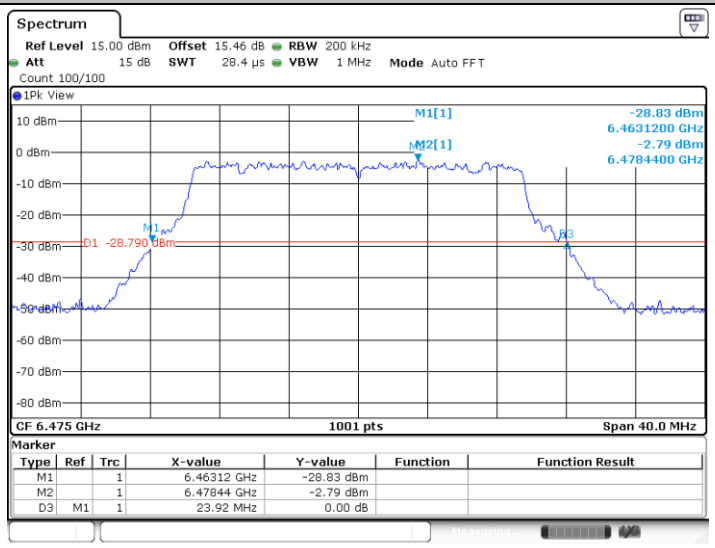

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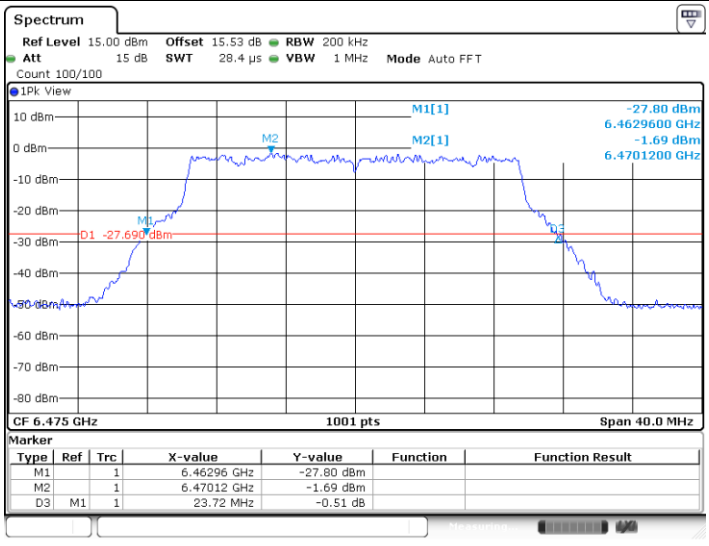

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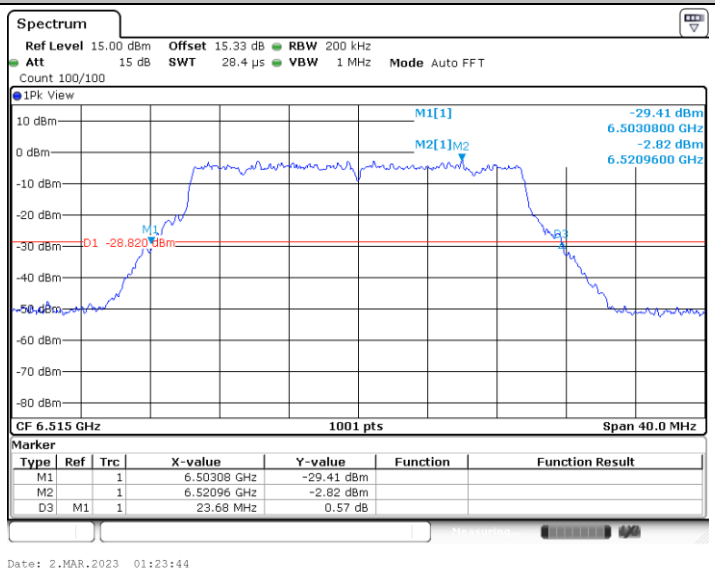

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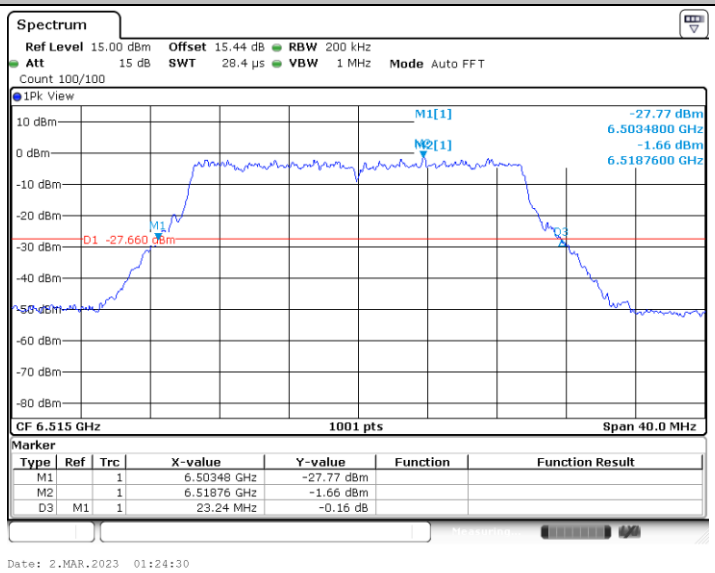

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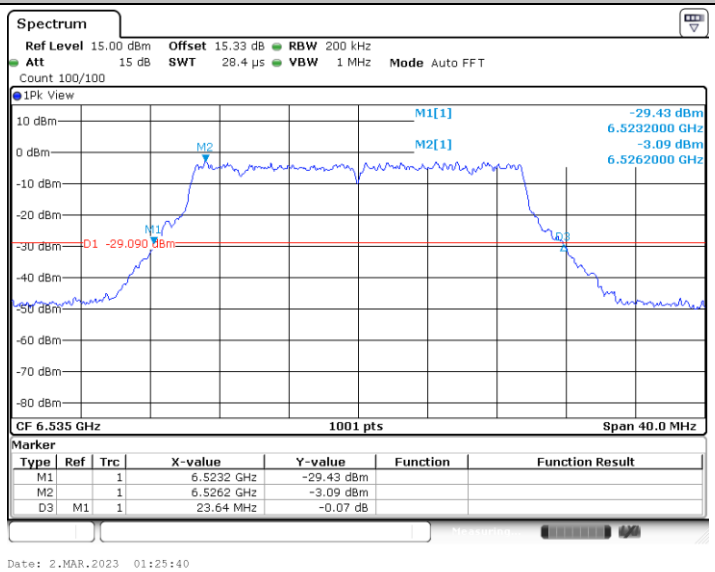

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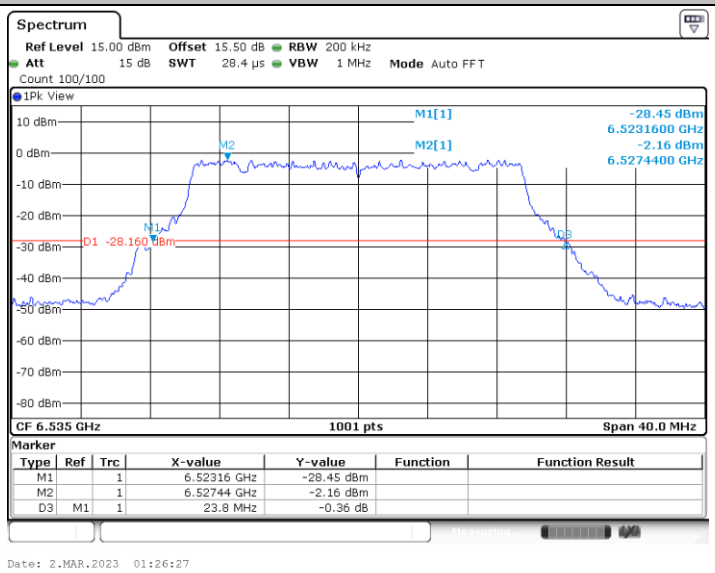

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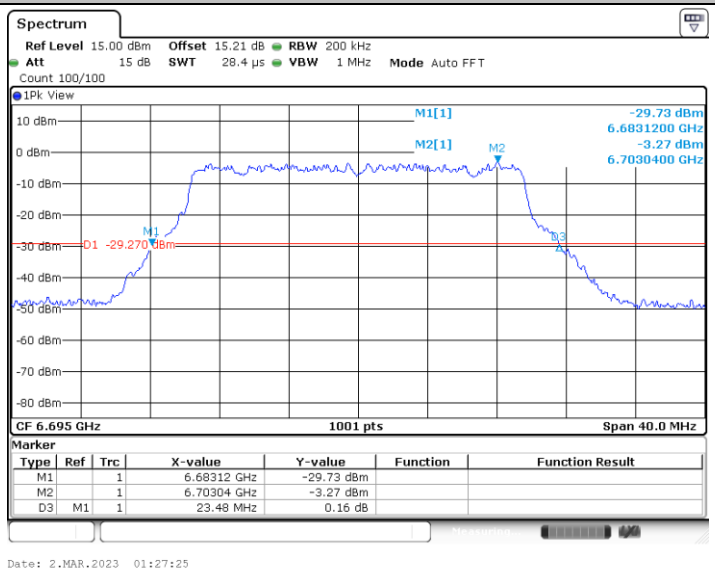

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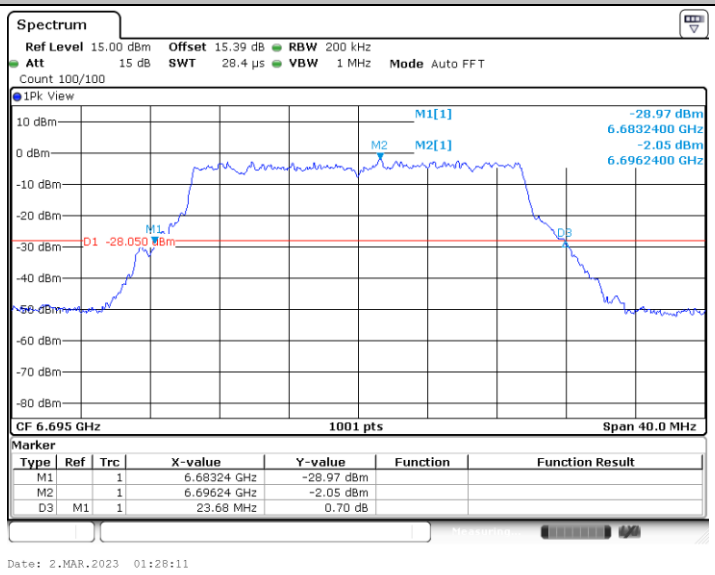

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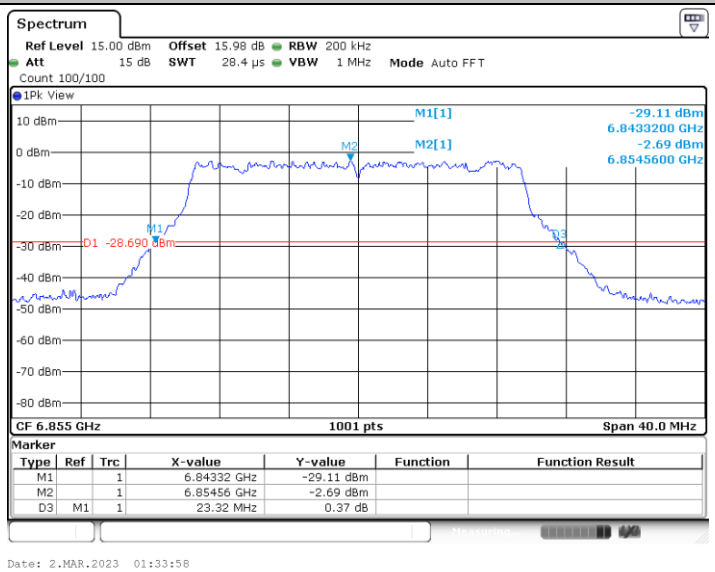

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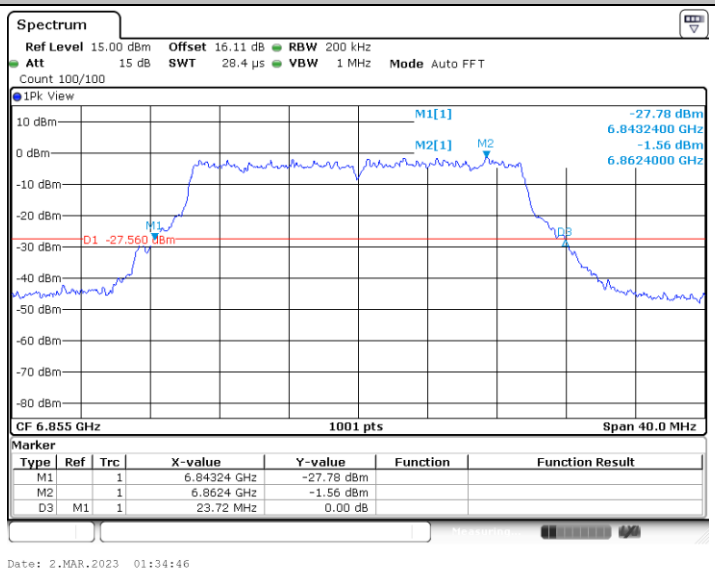

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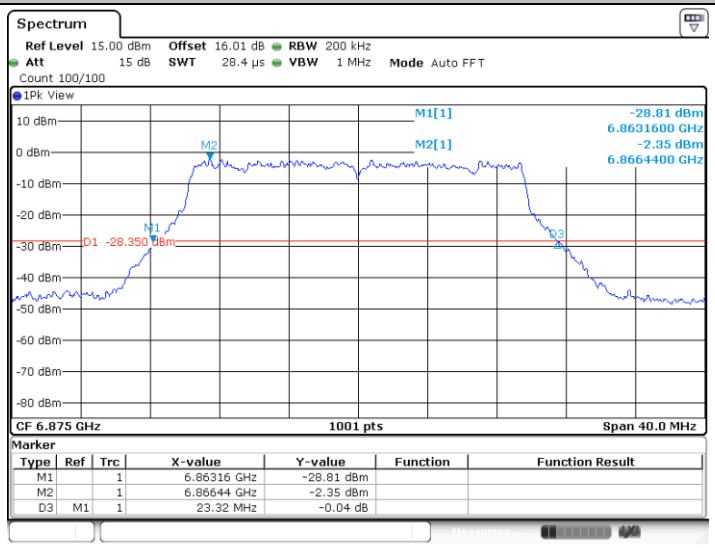

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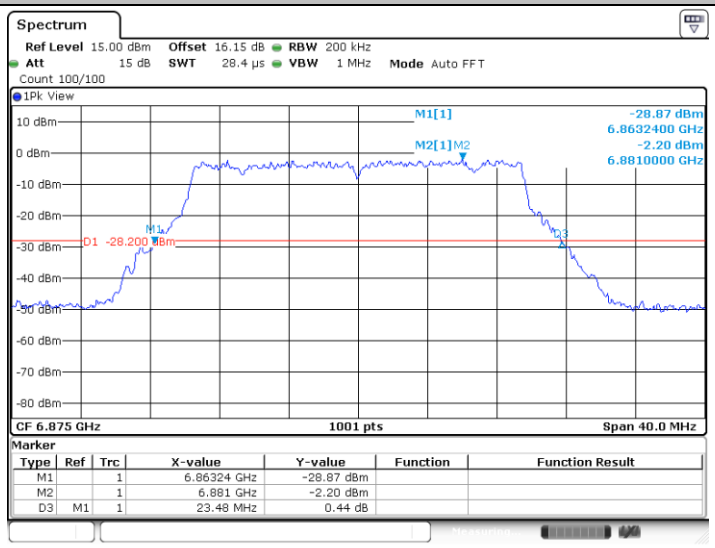

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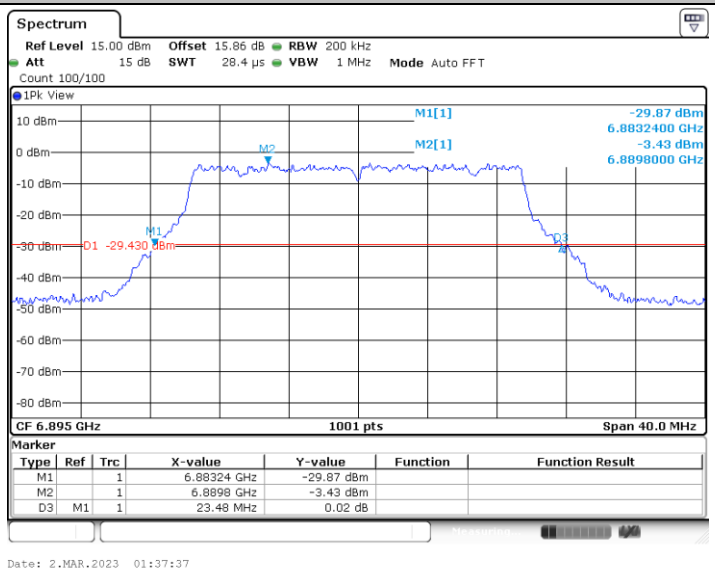

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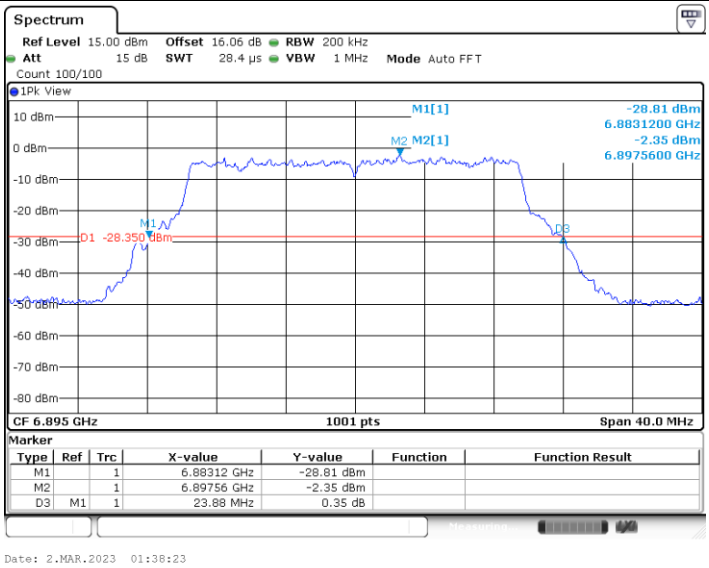

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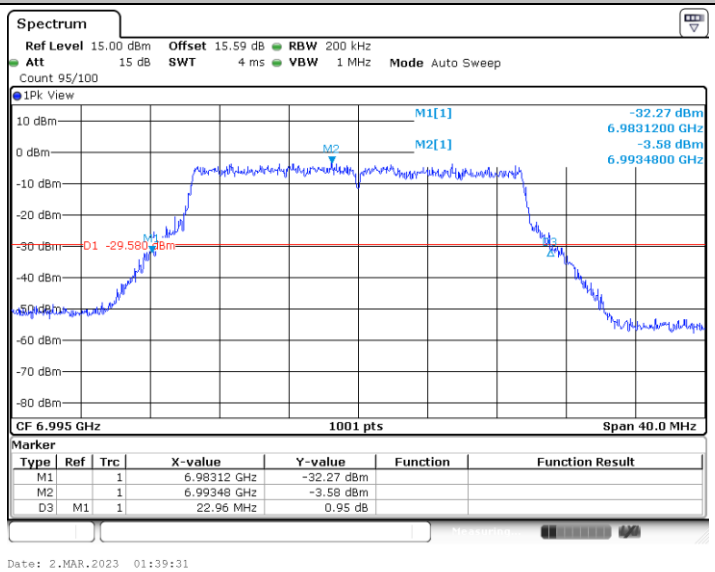

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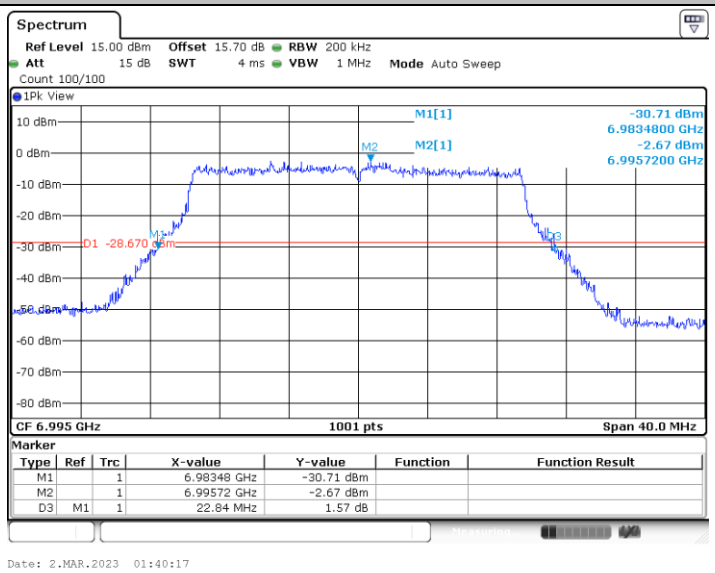

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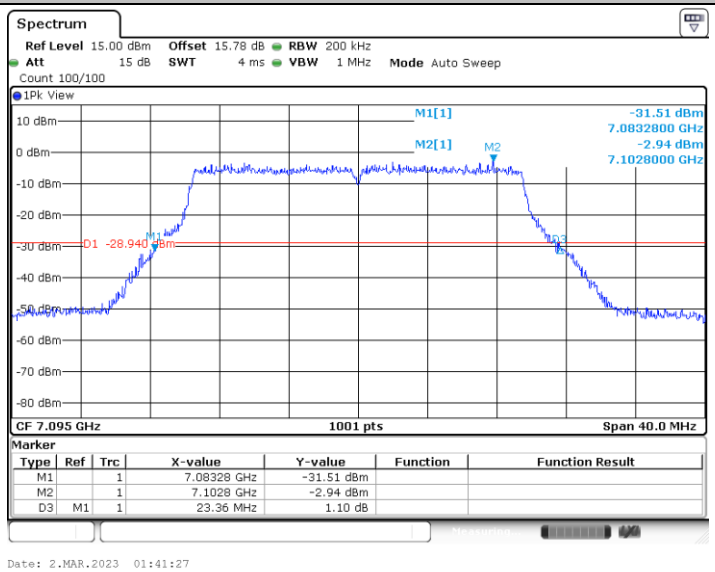

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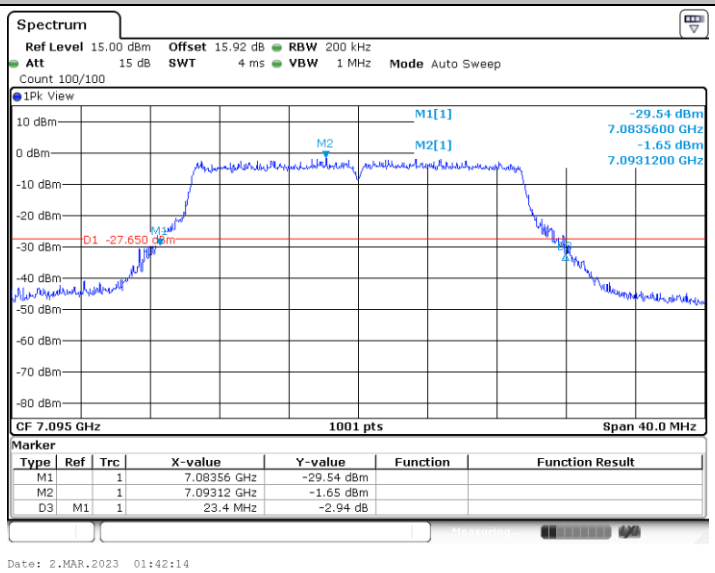

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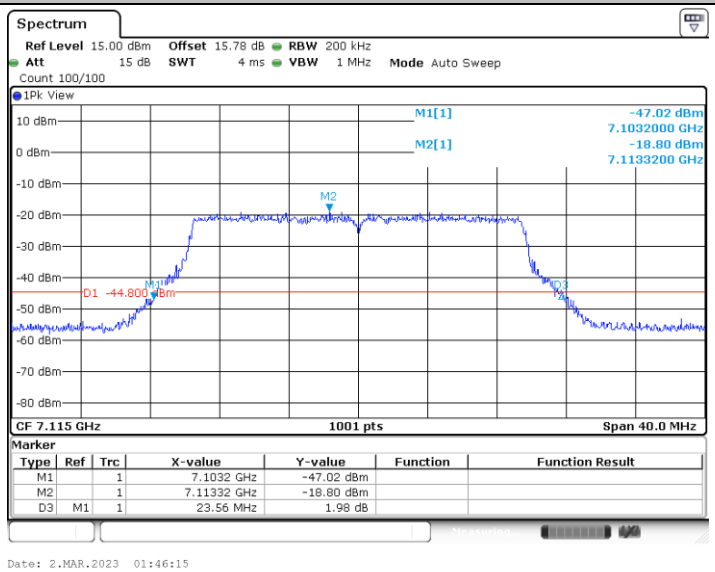

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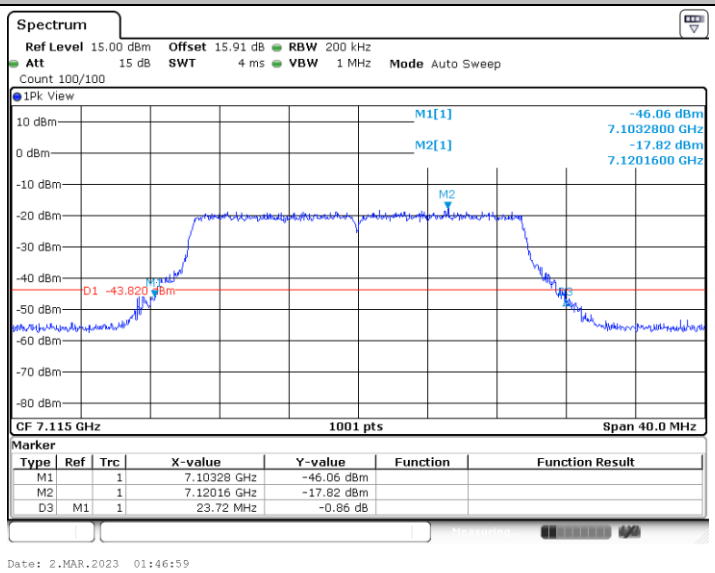

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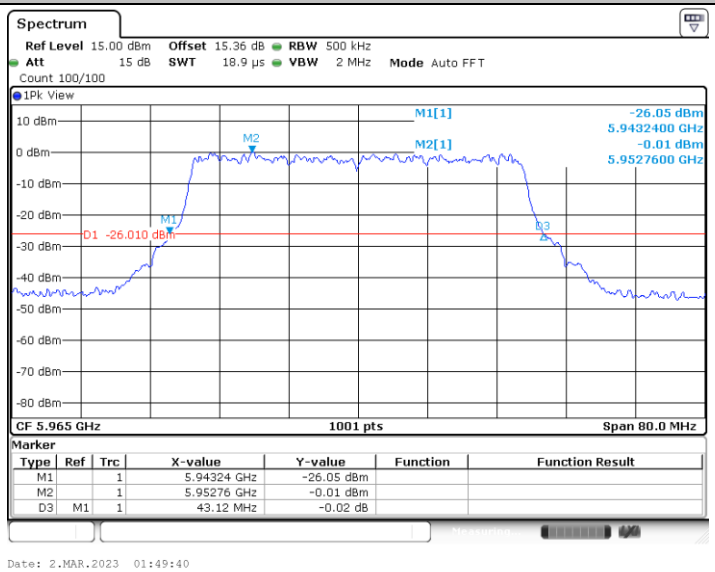

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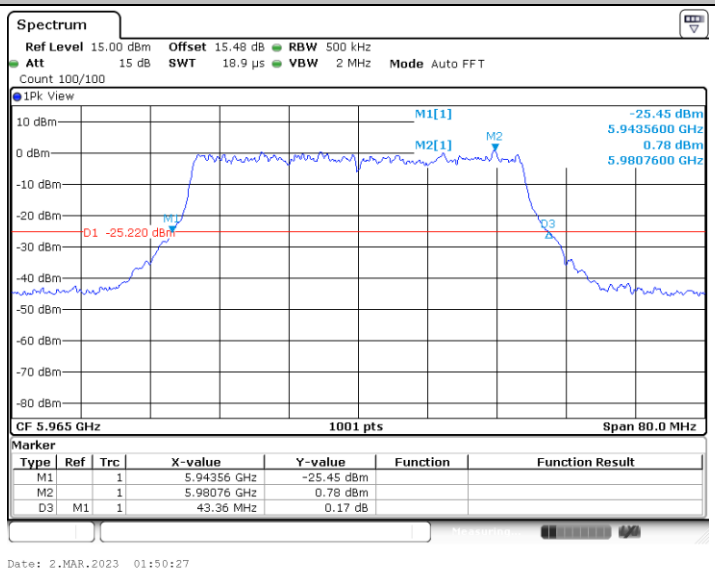

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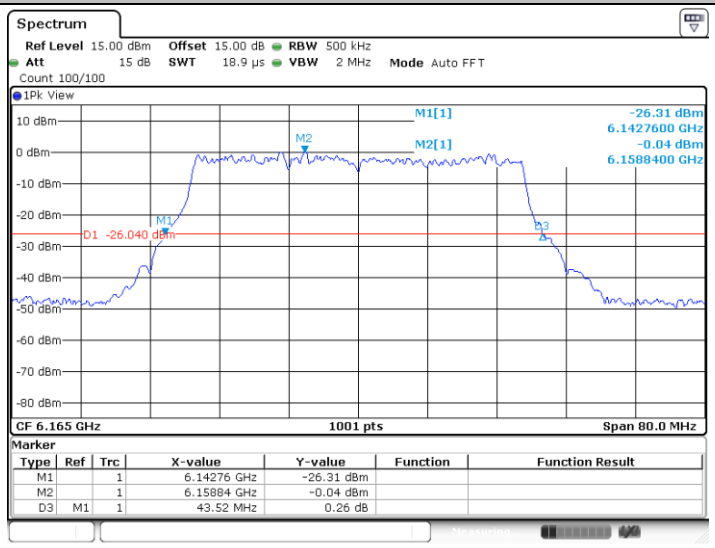

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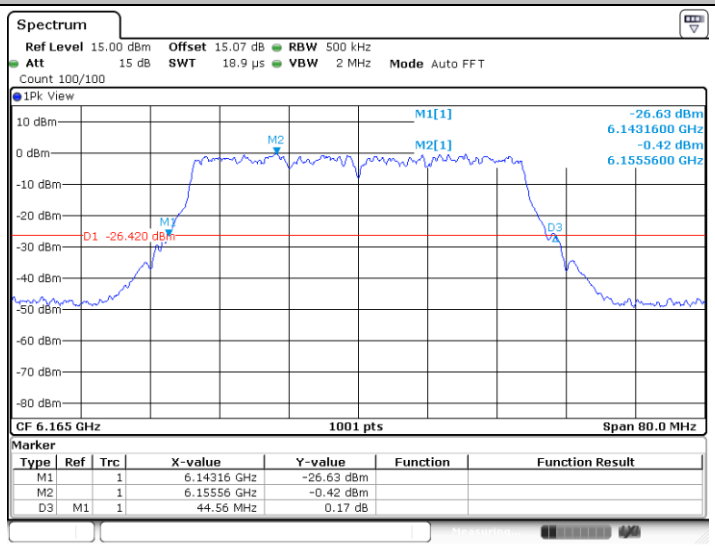

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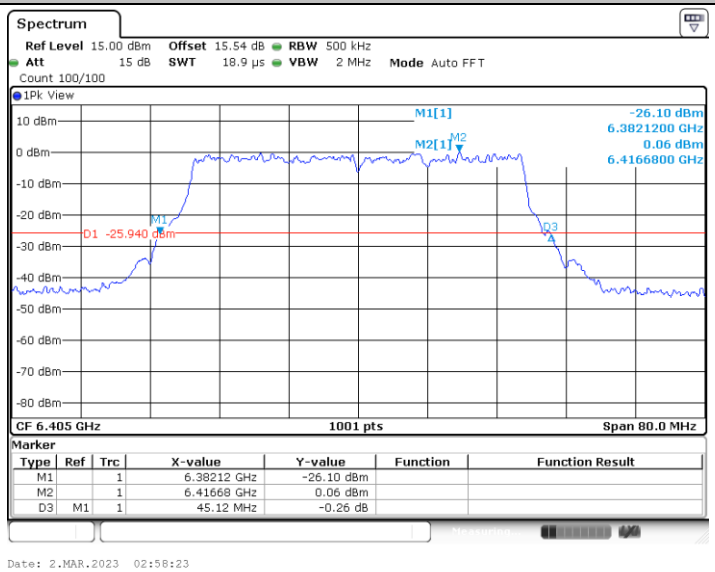

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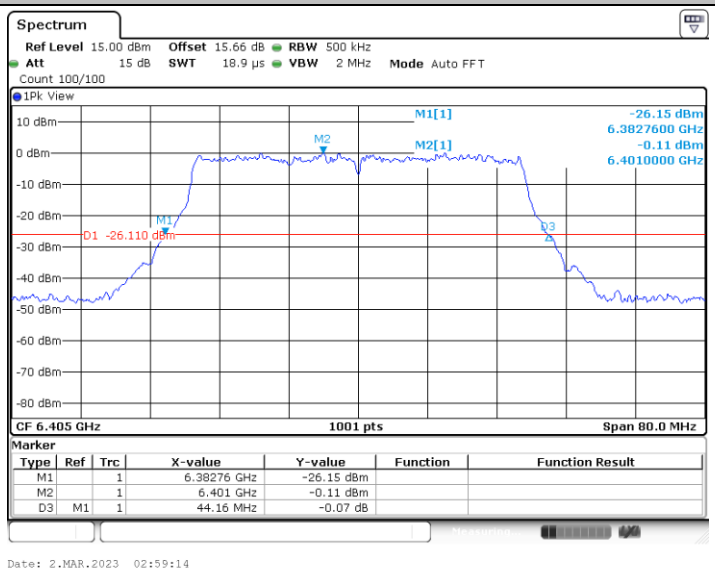

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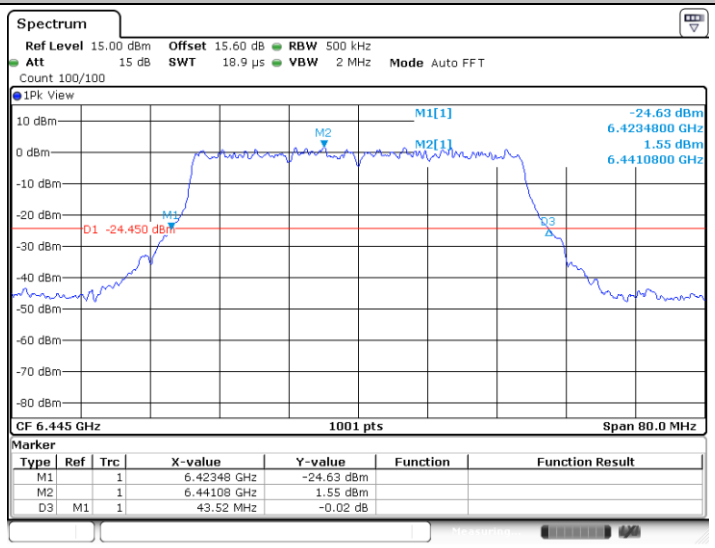

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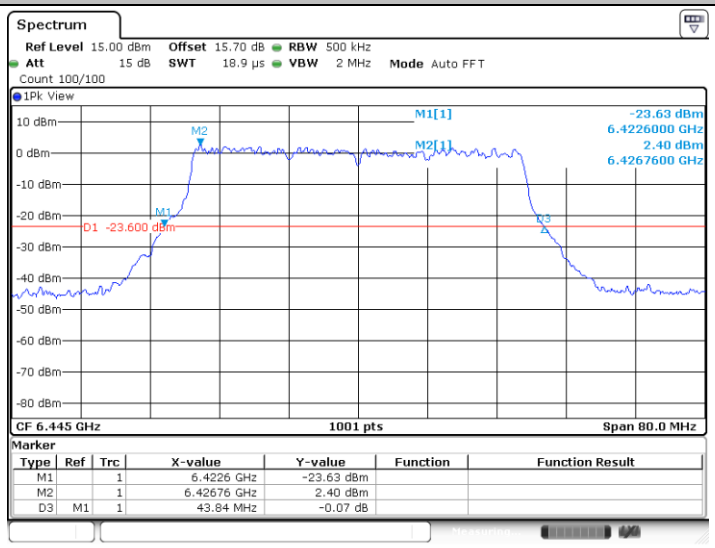

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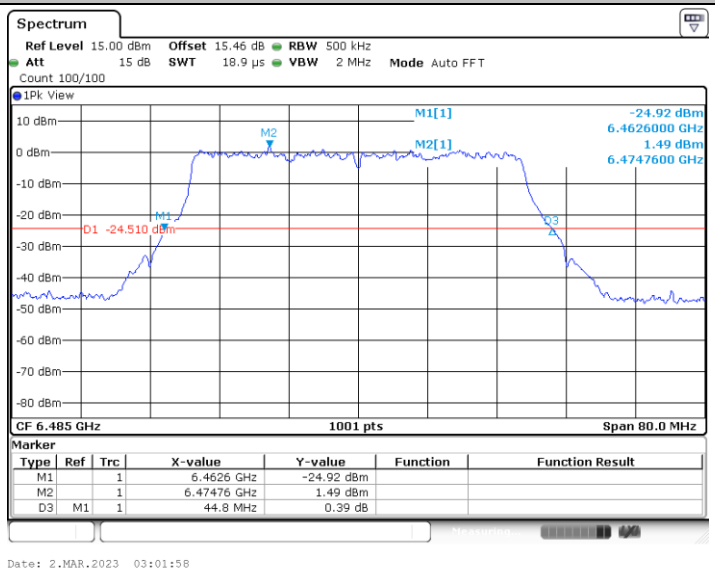

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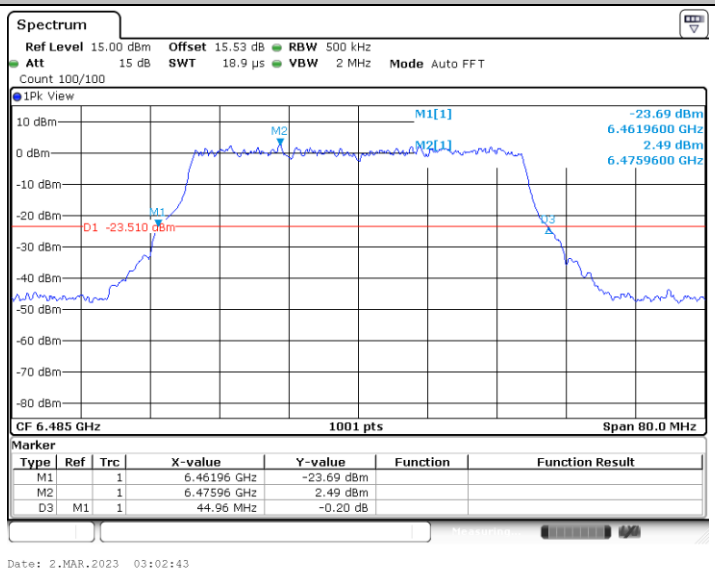

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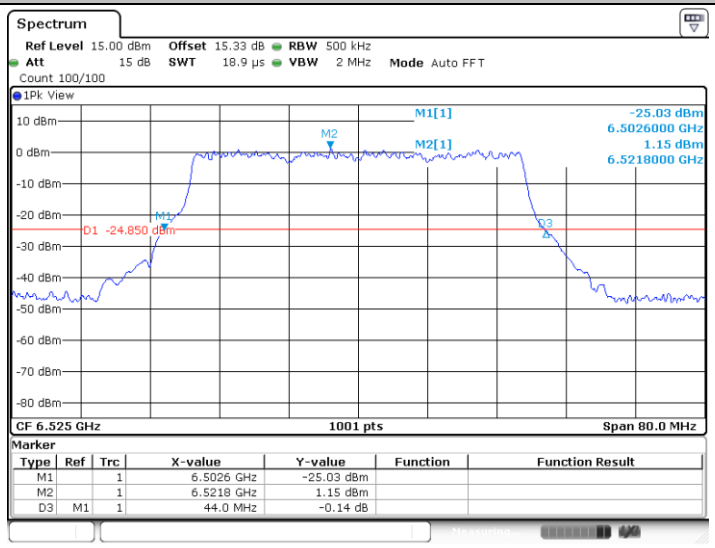

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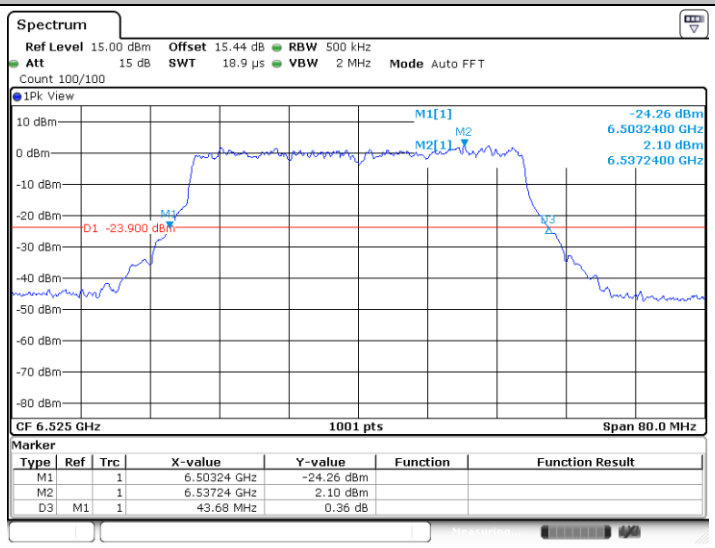

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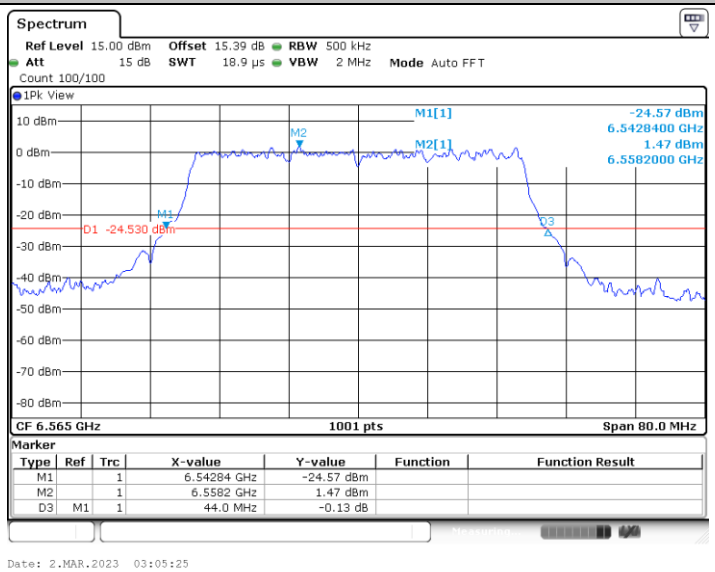

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