Test Report Serial Number:	**45461712 R1.0**
Test Report Date:	**2 March 2022**
Project Number:	**1576**

EMC Test Report - New Filing

Applicant:

President Electronics USA
1007 Collier Center Way
Naples, FL, 34110
USA

FCC ID:	IC Registration Number
2AEOCPC209	
Product Model Number / HVIN	Product Name / PMN
RANDY II FCC	**RANDY II FCC**

In Accordance With:

FCC 47 CFR Part 95 Subpart D, Part 15 Subpart B
Licensed Non-Broadcast Station Transmitter (TNB)

Approved By:

Ben Hewson, President
Celltech Labs Inc.
21-364 Lougheed Rd.
Kelowna, BC, V1X 7R8
Canada

Test Lab Certificate: 2470.01

IC Registration 3874A

FCC Registration: CA3874

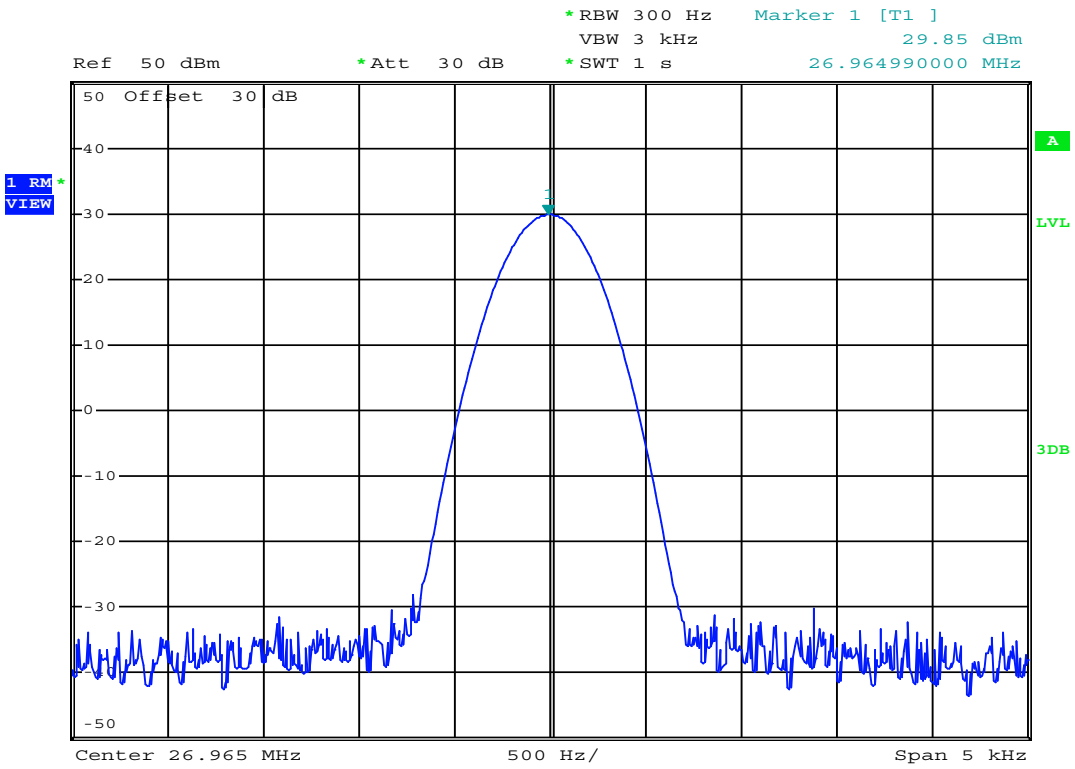
Revision History			
Samples Tested By:	Art Voss, P.Eng., Trevor Whillock	**Date(s) of Evaluation:**	23 - 29 December 2020
Samples Tested By:	Art Voss, P.Eng., Trevor Whillock	**Date(s) of Evaluation:**	13 October 2021
Samples Tested By:	Art Voss, P.Eng.	**Date(s) of Evaluation:**	7 - 21 February, 2022
Report Prepared By:	Art Voss, P.Eng.	**Report Reviewed By:**	Ben Hewson

Report Revision	Description of Revision	Revised Section	Revised By	Revision Date
0.1	Draft	n/a	Art Voss	22 February 2022
1.0	Initial Release	n/a	Art Voss	2 March 2022

Conducted Power Measurement Results:								
Channel Number	Frequency (MHz)	Power Setting	Modulation	Measured Power [P_{Meas}] (dBm)	Measured Power [P_{Meas}] (W)	Limit [P_{Lim}] (dBm)	Limit [P_{Lim}] (W)	Margin (dB)
1	26.97	1W	AM	29.850	0.97	36	4.0	6.2
19	27.19			29.990	1.00			6.0
40	27.41			30.080	1.02			5.9
1	26.97		FM	29.530	0.90			6.5
19	27.19			29.710	0.94			6.3
40	27.41			29.940	0.99			6.1
1	26.97	4W	AM	35.300	3.39			0.7
19	27.19			35.460	3.52			0.5
40	27.41			35.540	3.58			0.5
1	26.97		FM	35.700	3.72			0.3
19	27.19			35.860	3.85			0.1
40	27.41			36.000	3.98			0.0
					Result:			Complies

Conducted Margin = P_{Limit} - P_{Meas}

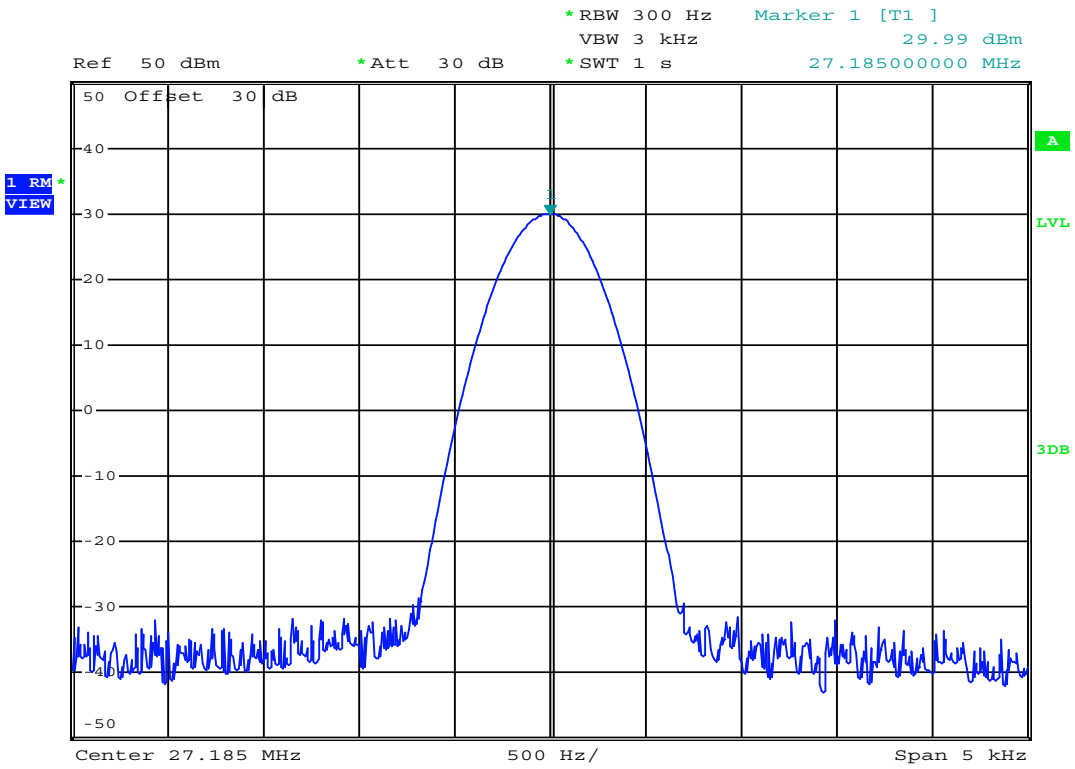
Conducted Power:



Date: 23.DEC.2020 12:43:42

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
1	26.965	1W	AM	**29.85**

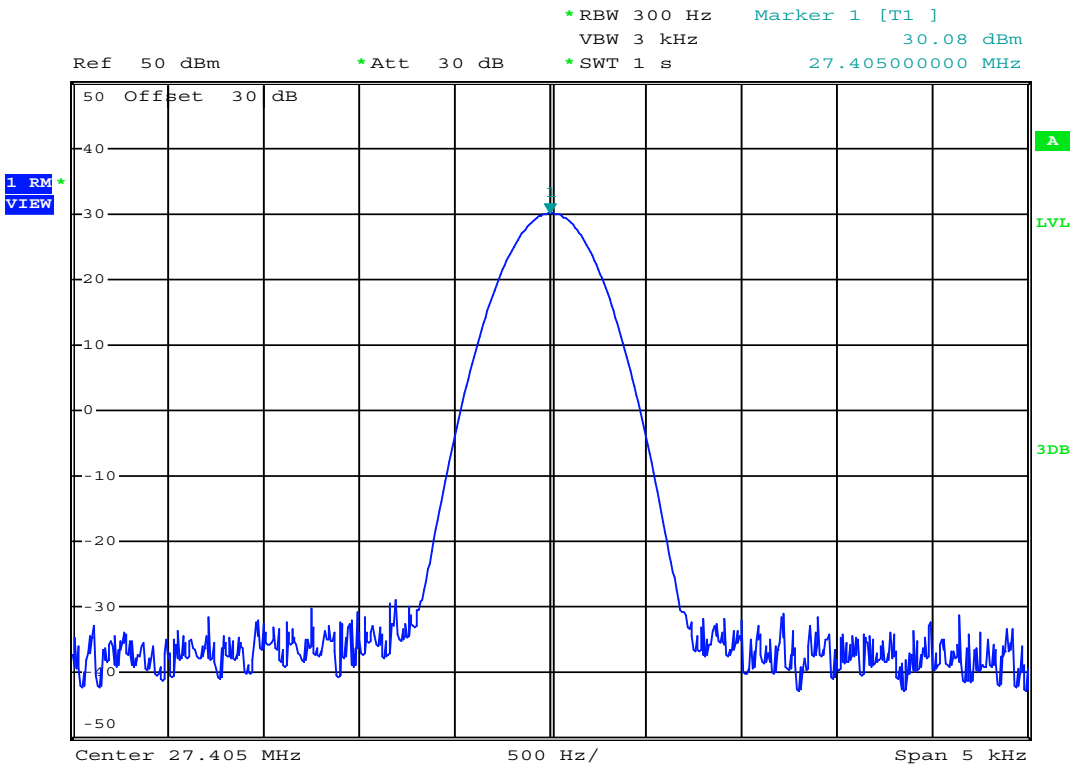
Conducted Power:



Date: 23.DEC.2020 12:44:39

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
19	27.185	1W	AM	**29.99**

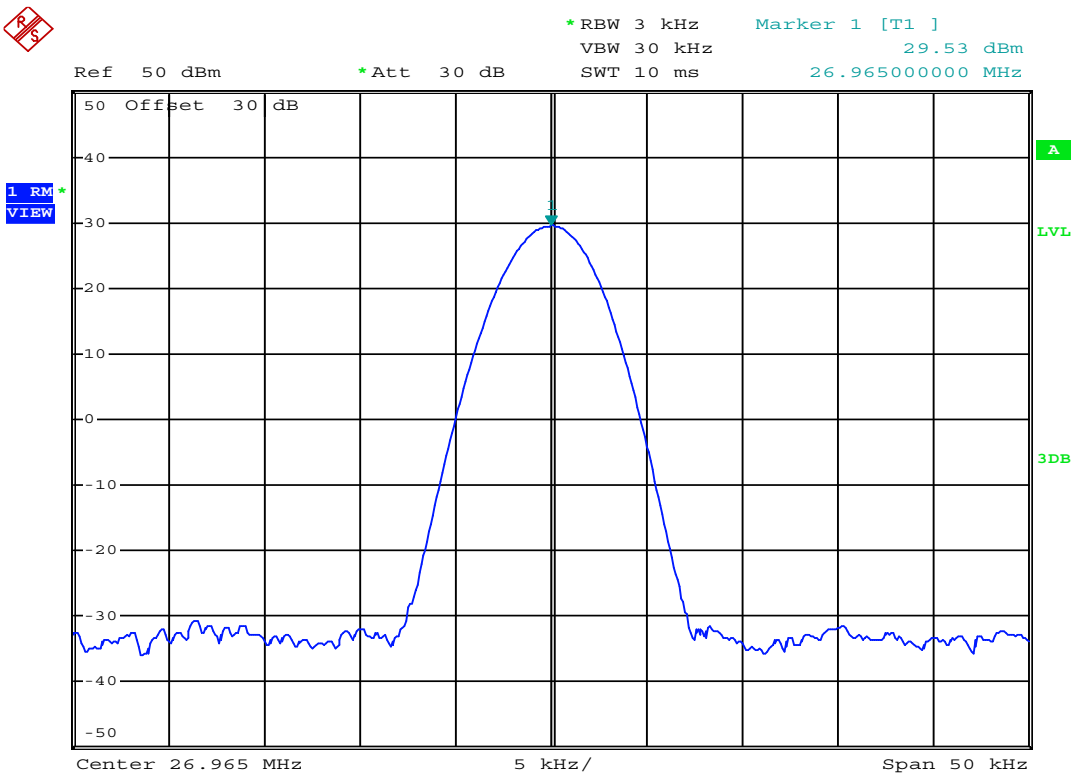
Conducted Power:



Date: 23.DEC.2020 12:46:44

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
40	27.405	1W	AM	**30.08**

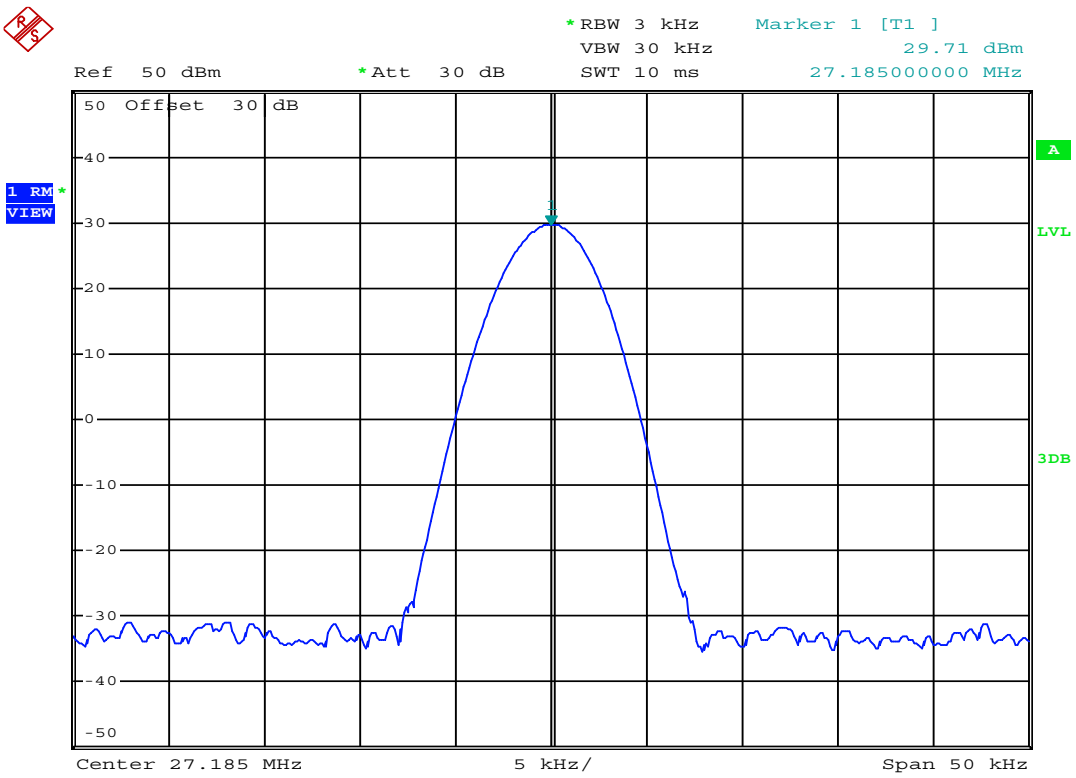
Conducted Power:



Date: 7.FEB.2022 10:39:12

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
1	26.965	1W	FM	29.53

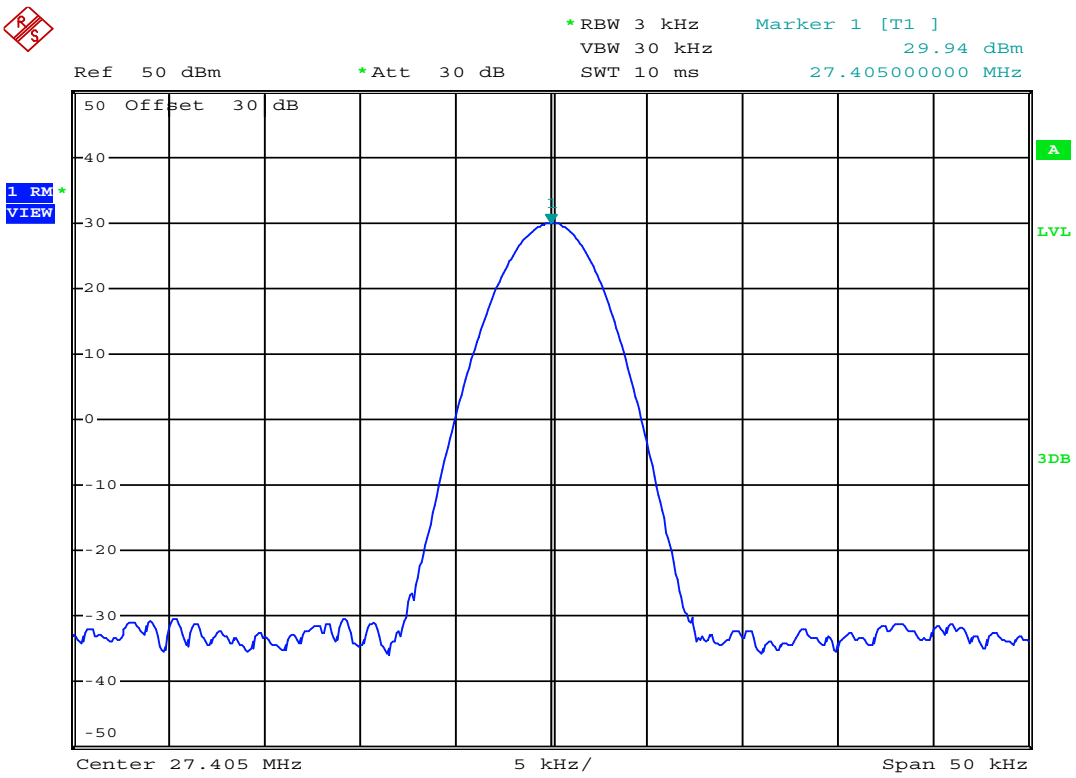
Conducted Power:



Date: 7.FEB.2022 10:38:29

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
19	27.185	1W	FM	29.71

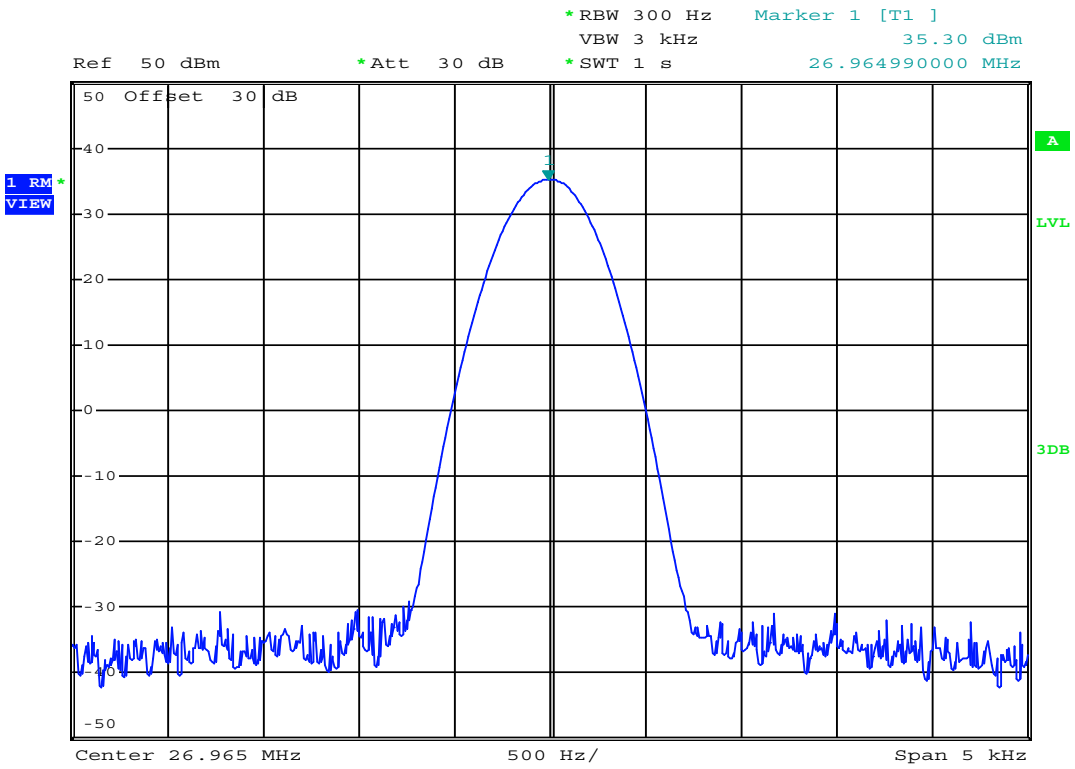
Conducted Power:



Date: 7.FEB.2022 10:39:53

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
40	27.405	1W	FM	**29.94**

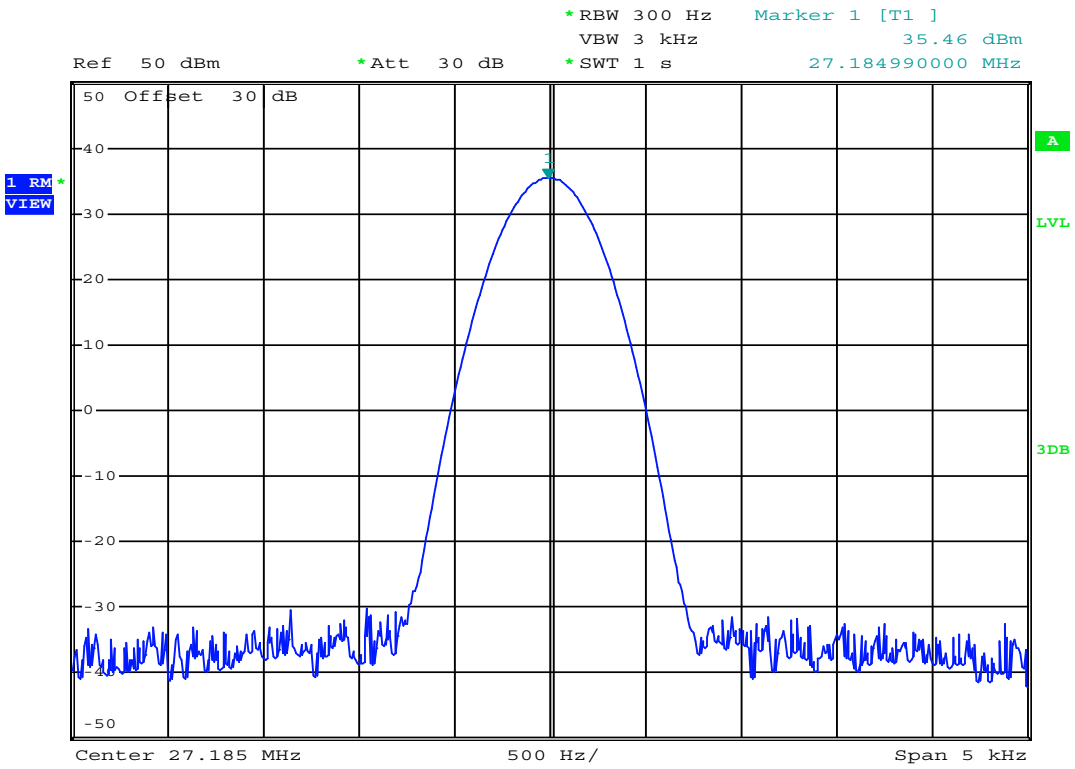
Conducted Power:



Date: 23.DEC.2020 12:42:54

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
1	26.965	4W	AM	35.30

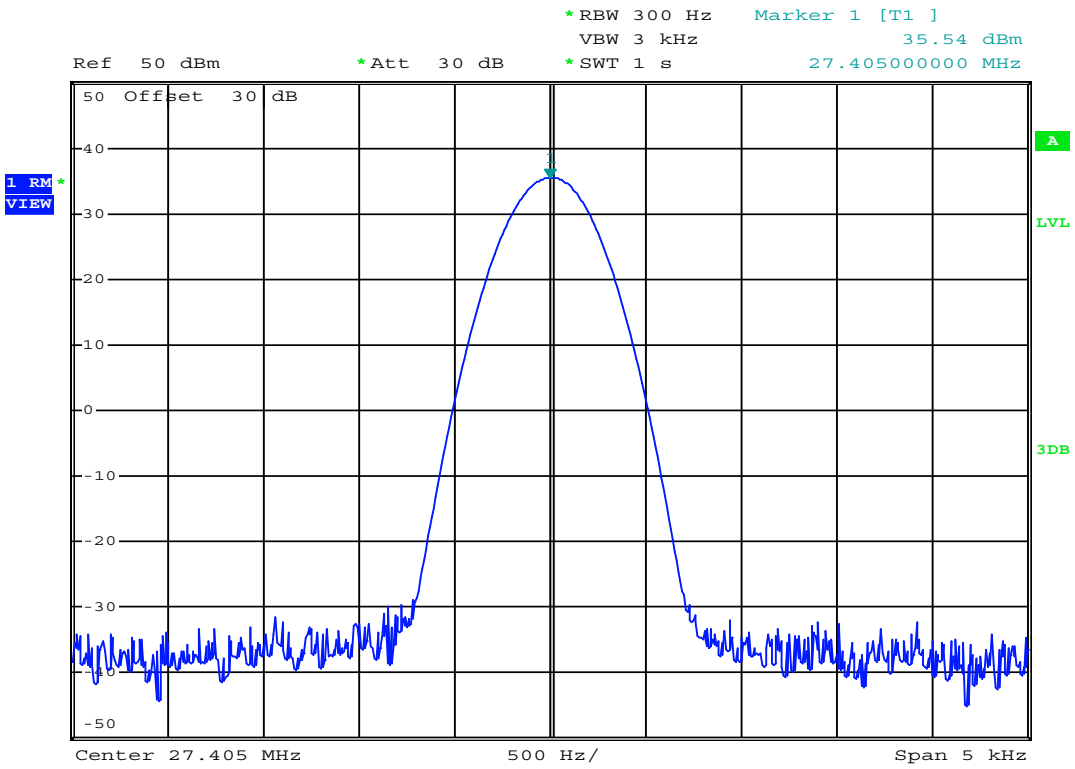
Conducted Power:



Date: 23.DEC.2020 12:41:10

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
19	27.185	4W	AM	35.46

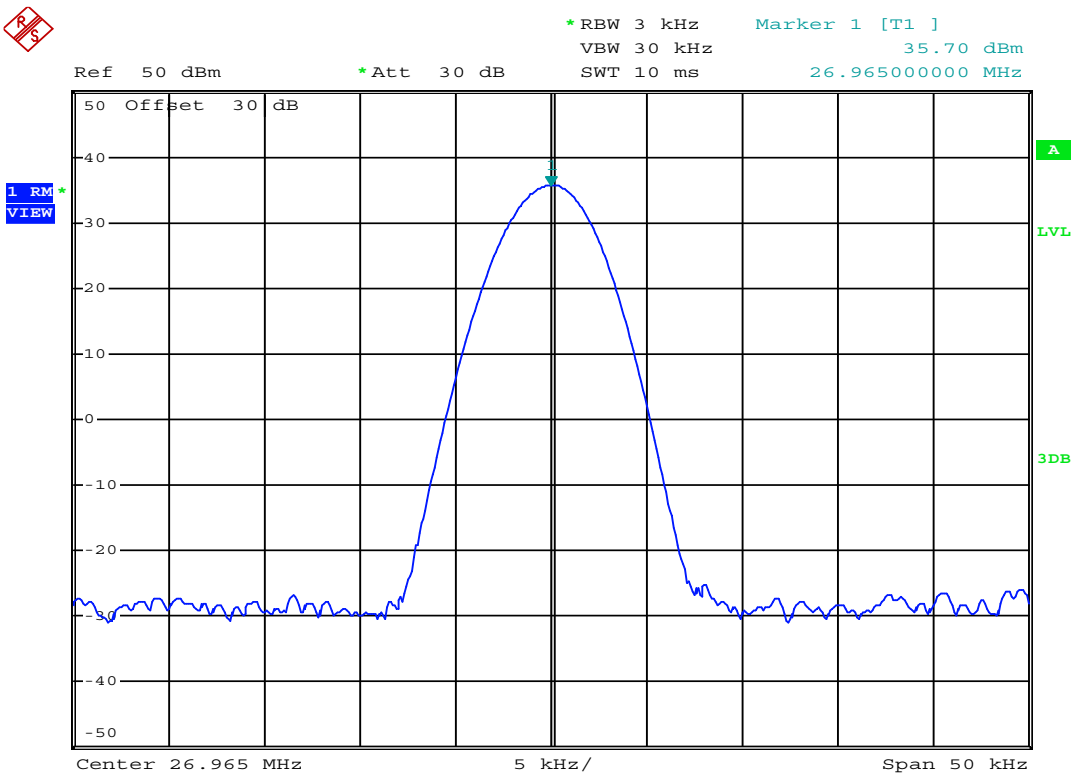
Conducted Power:



Date: 23.DEC.2020 12:42:07

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
40	27.405	4W	AM	**35.54**

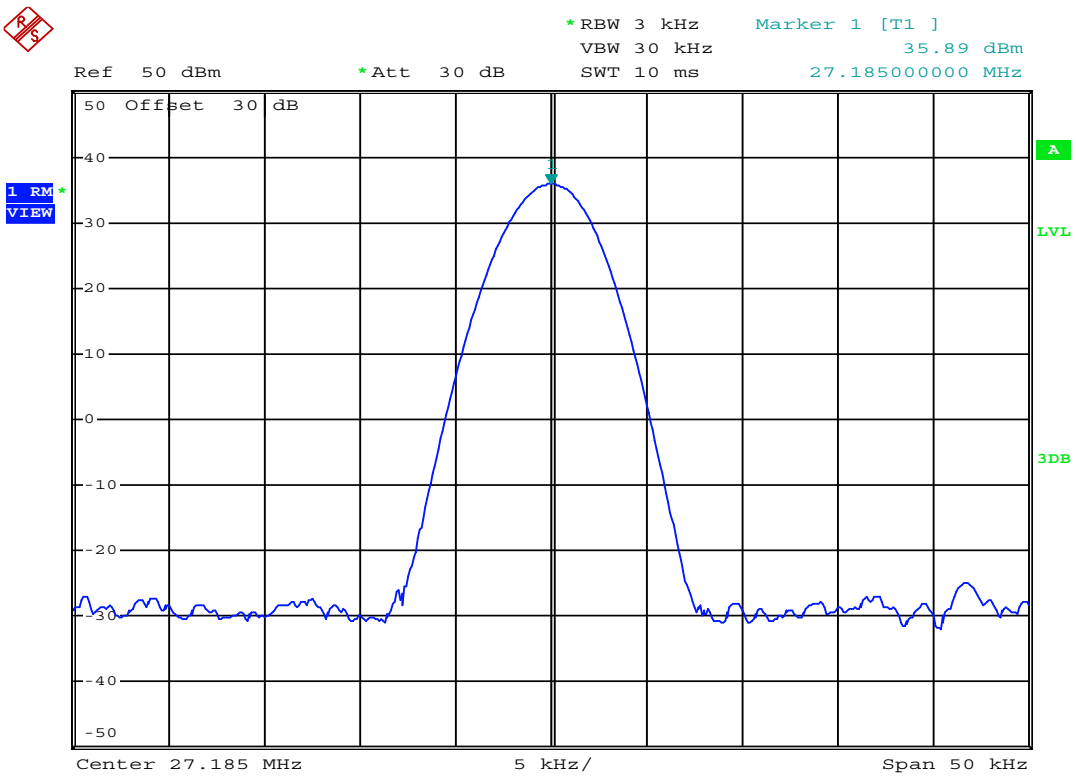
Conducted Power:



Date: 7.FEB.2022 10:34:03

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
1	26.965	4W	FM	35.70

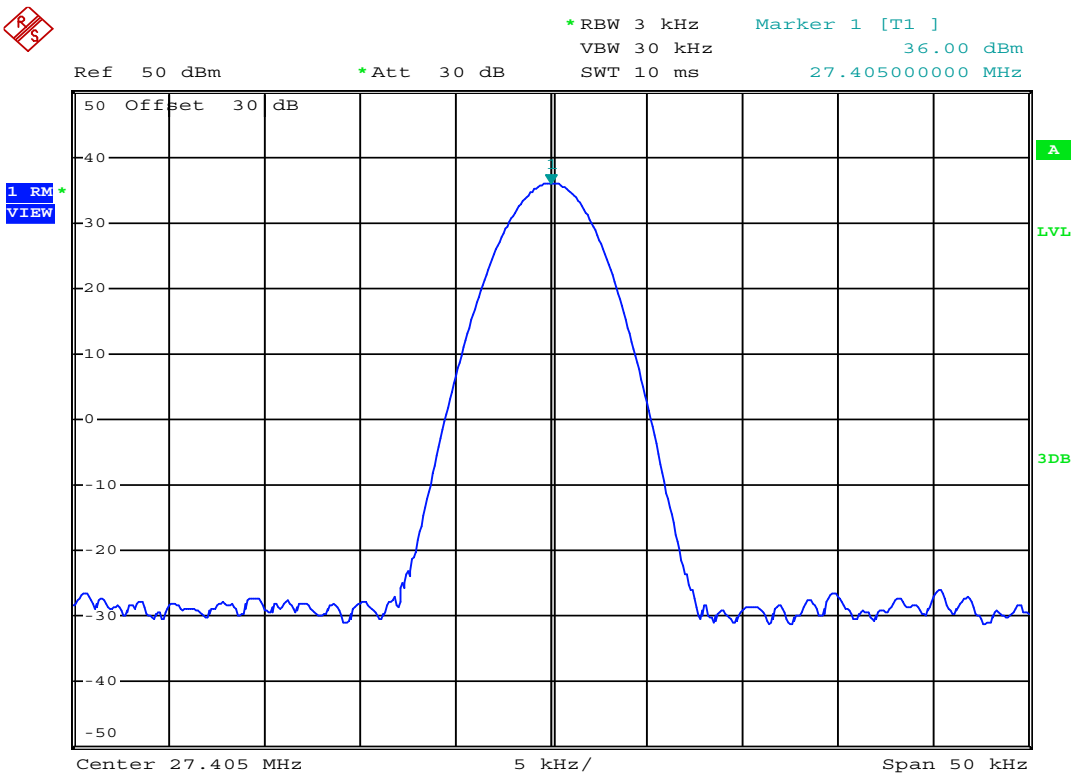
Conducted Power:



Date: 7.FEB.2022 10:37:20

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
19	27.185	4W	FM	35.86

Conducted Power:

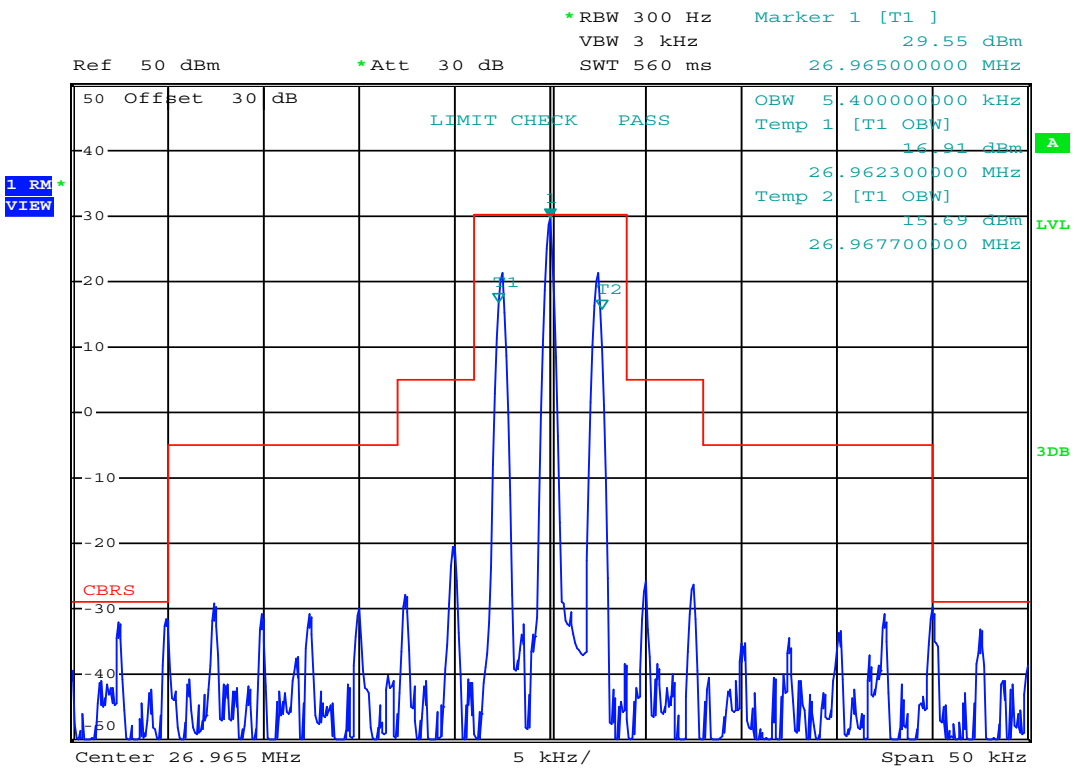


Date: 7.FEB.2022 10:36:36

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Conducted Power *(dBm)*
40	27.405	4W	FM	36.00

Occupied Bandwidth Results:						
Channel Number	Channel Frequency (MHz)	Power Setting	Modulation	Measured Occupied Bandwidth (kHz)	Emission Designator	Emissions Mask Results
1	26.965	1W	AM	5.40	5K40A3E	PASS
19	27.185			5.40	5K40A3E	PASS
40	27.405			5.40	5K40A3E	PASS
1	26.965		FM	5.45	5K45F3E	PASS
19	27.185			5.45	5K45F3E	PASS
40	27.405			5.43	5K43F3E	PASS
1	26.965	4W	AM	5.40	5K40A3E	PASS
19	27.185			5.40	5K40A3E	PASS
40	27.405			5.40	5K40A3E	PASS
1	26.965		FM	5.45	5K45F3E	PASS
19	27.185			5.43	5K43F3E	PASS
40	27.405			5.45	5K45F3E	PASS
					Result:	Complies

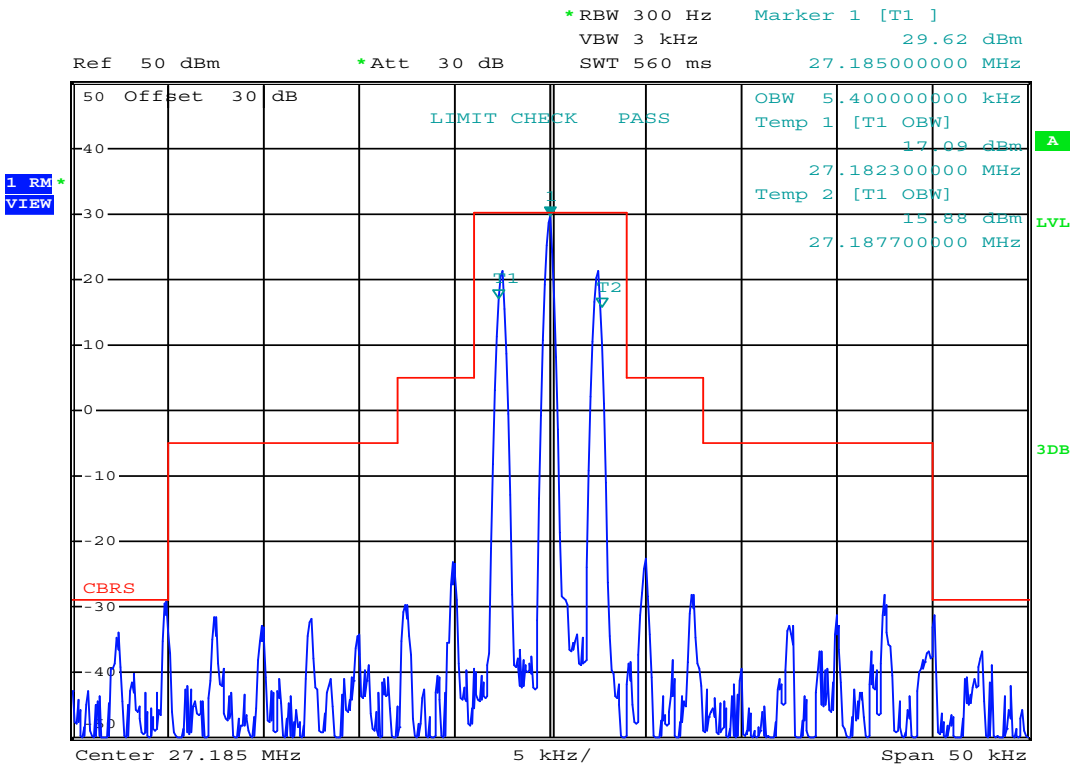
Occupied Bandwidth



Date: 29.DEC.2020 13:44:19

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
1	26.965	1W	AM	5.40

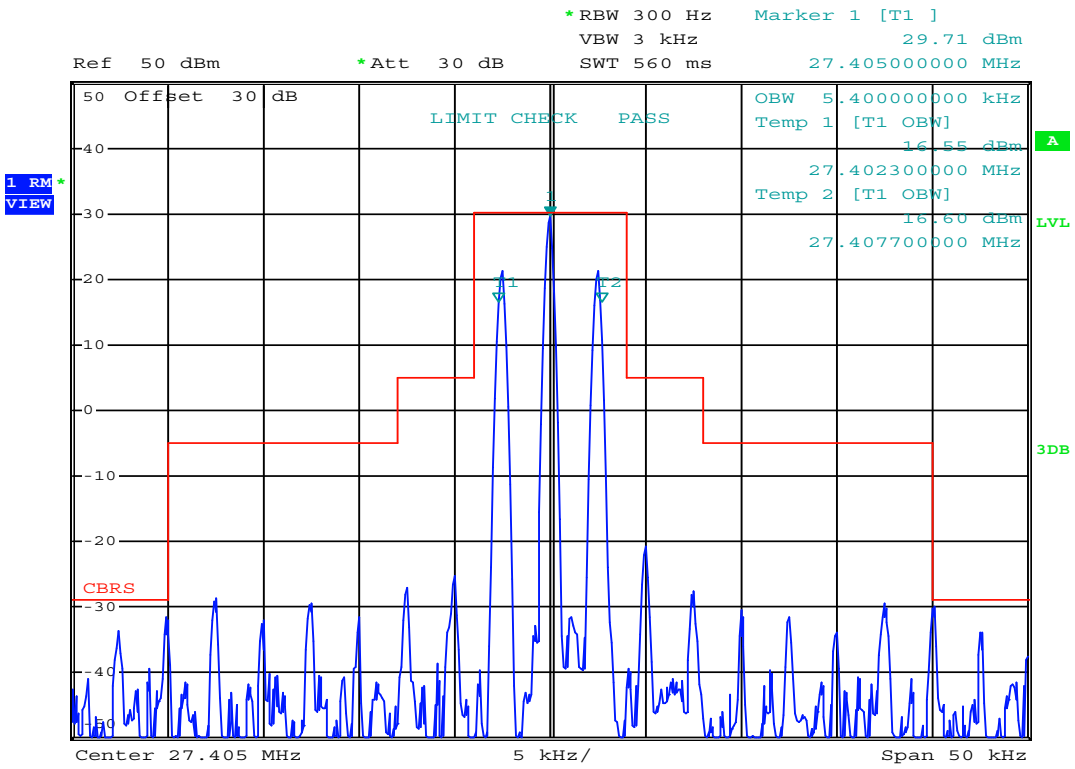
Emissions Mask



Date: 29.DEC.2020 13:45:01

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
19	27.185	1W	AM	5.40

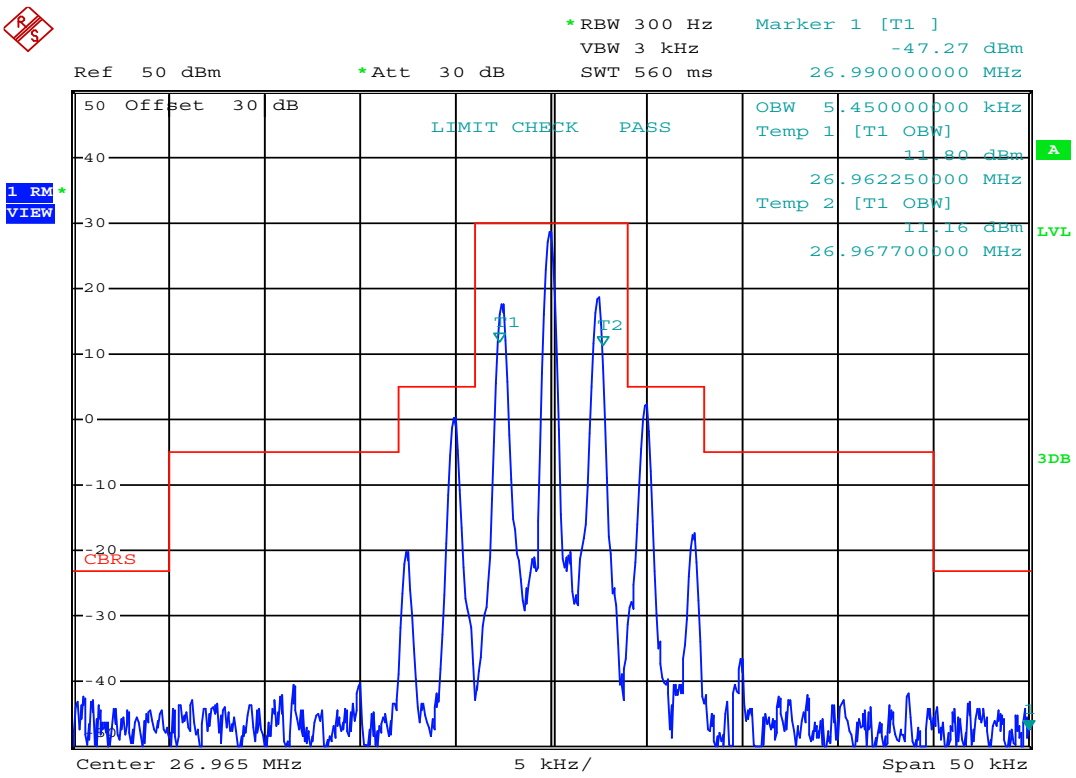
Emissions Mask



Date: 29.DEC.2020 13:45:47

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
40	27.405	1W	AM	5.40

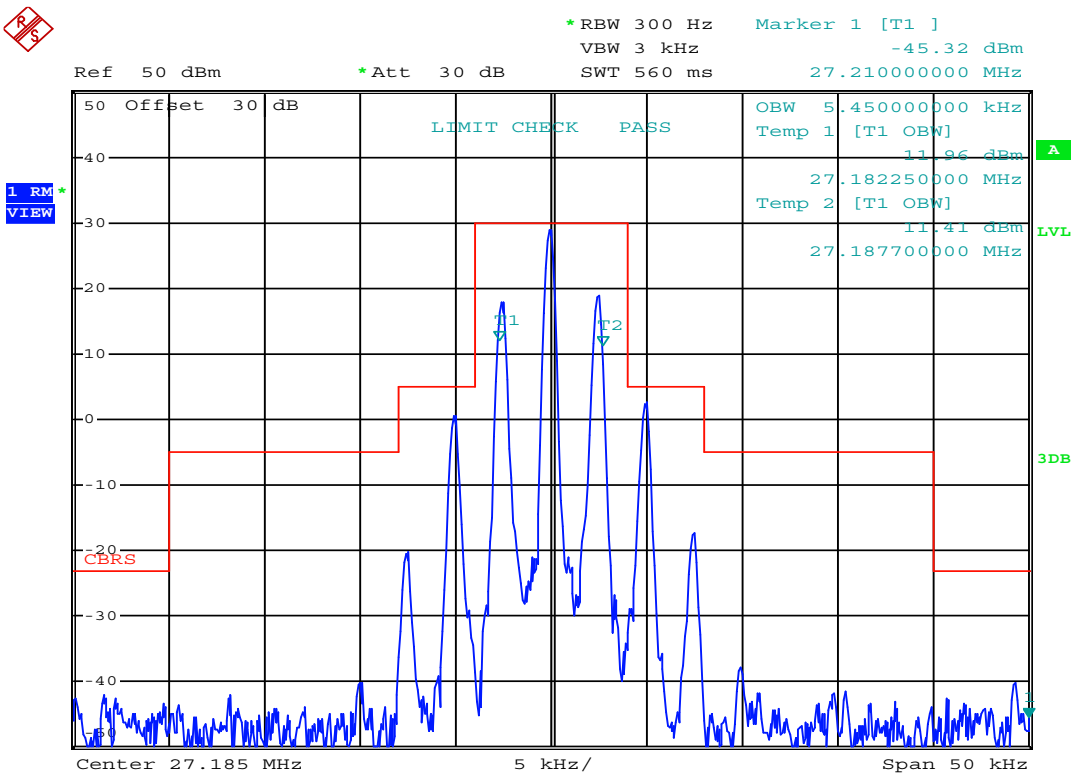
Emissions Mask



Date: 7.FEB.2022 14:37:31

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
1	26.965	1W	FM	5.45

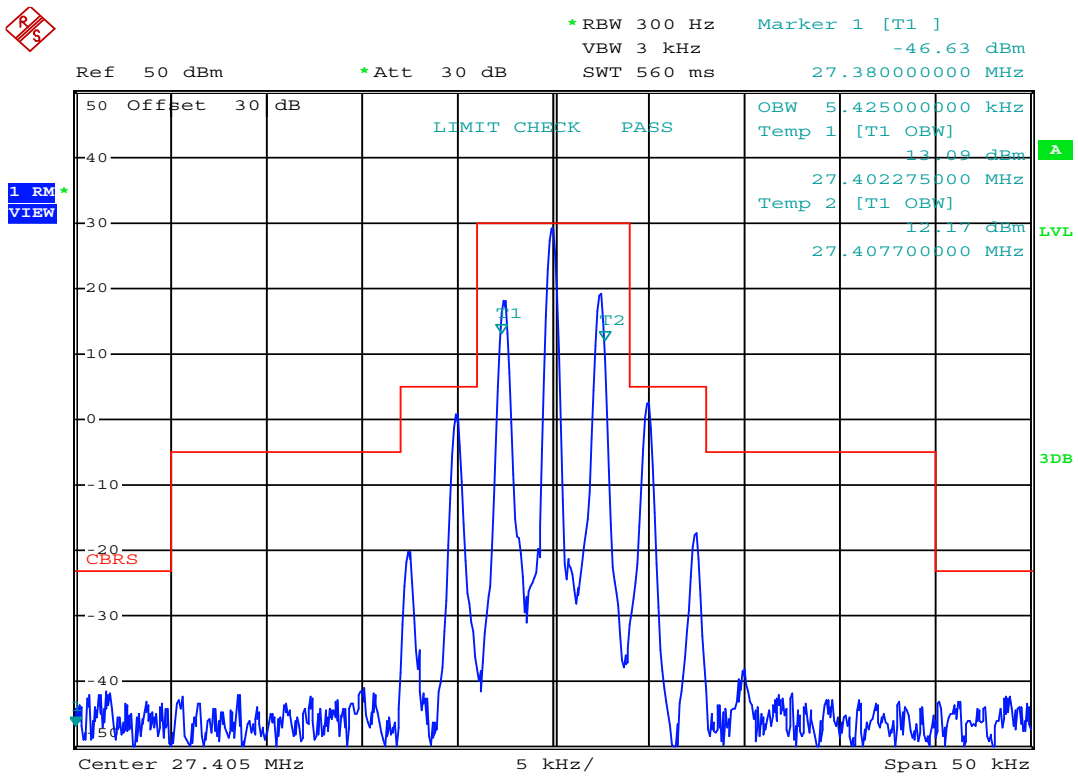
Emissions Mask



Date: 7.FEB.2022 14:36:53

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
19	27.185	1W	FM	5.45

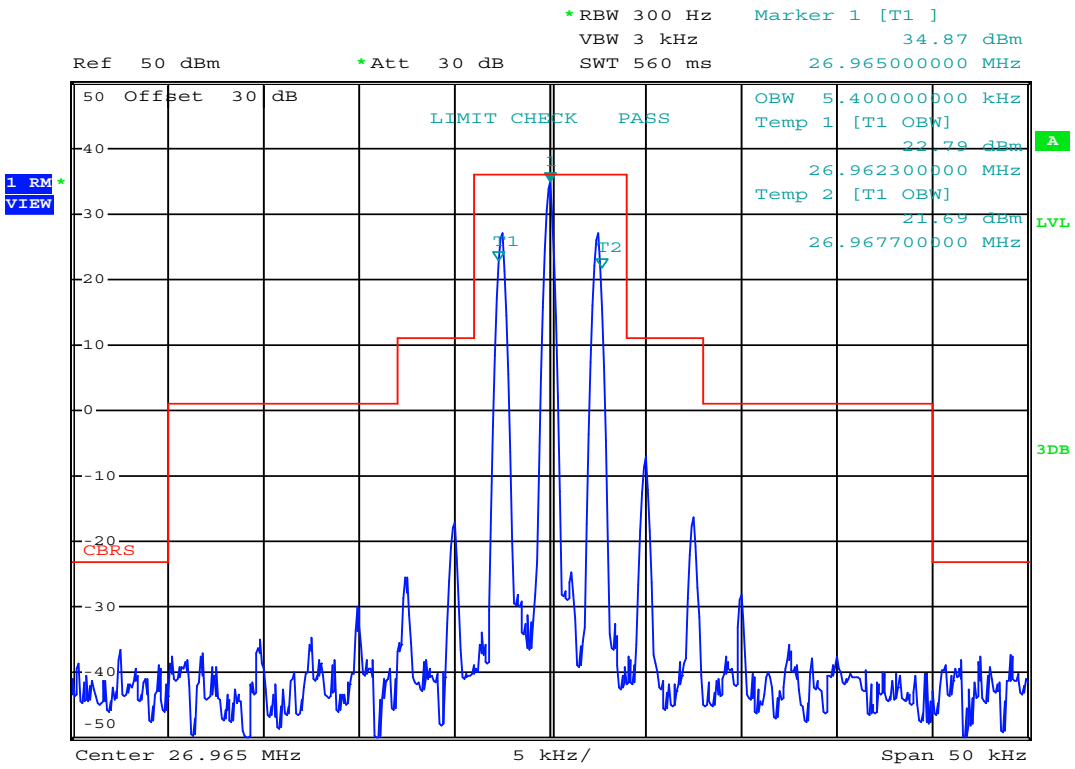
Emissions Mask



Date: 7.FEB.2022 14:38:17

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
40	27.405	1W	FM	5.43

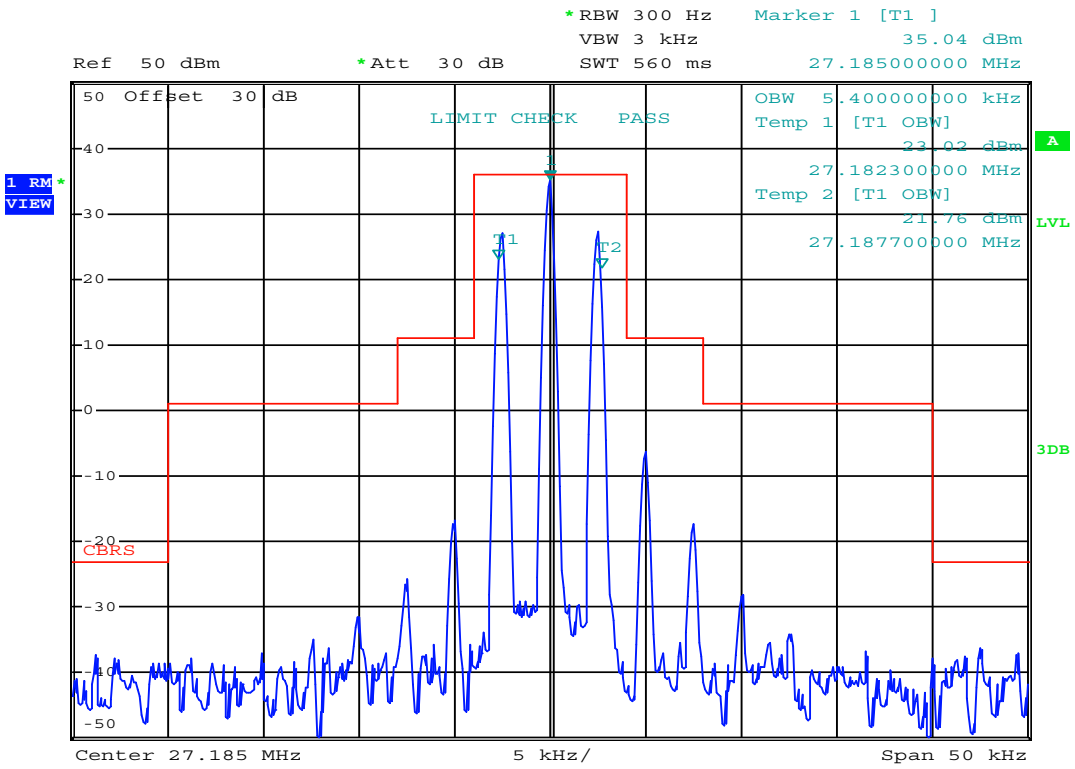
Occupied Bandwidth



Date: 29.DEC.2020 13:47:31

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
1	26.965	4W	AM	5.40

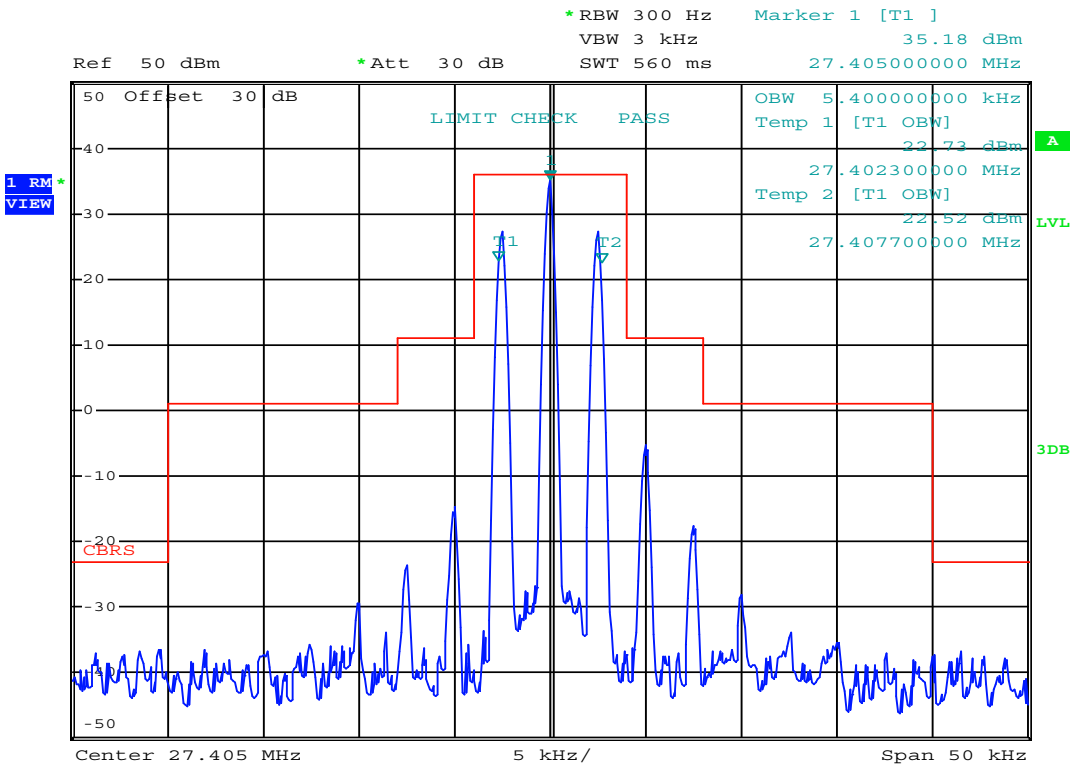
Emissions Mask



Date: 29.DEC.2020 13:48:00

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
19	27.185	4W	AM	5.40

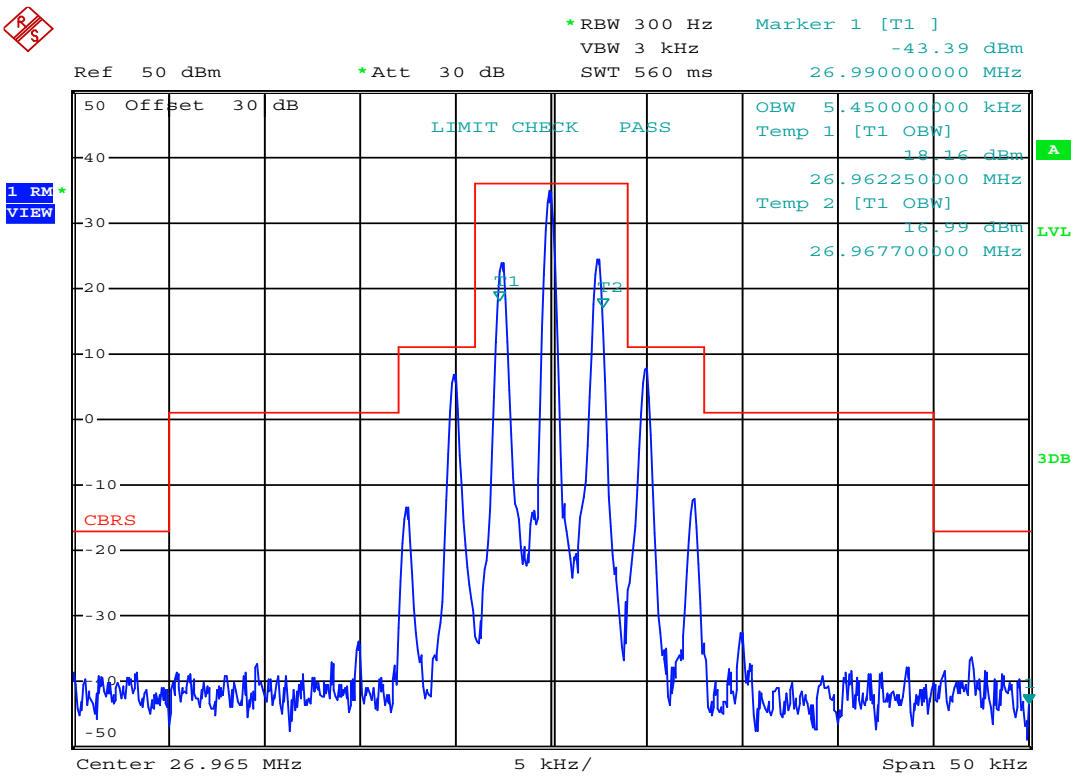
Emissions Mask



Date: 29.DEC.2020 13:46:55

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
40	27.405	4W	AM	5.40

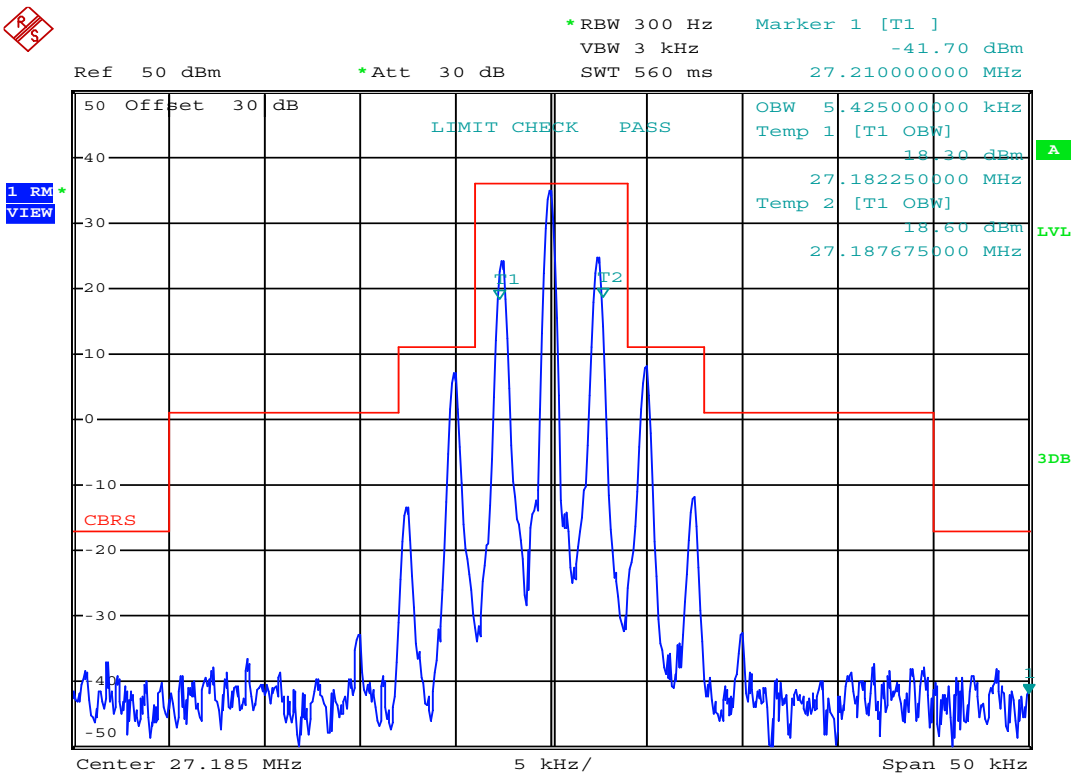
Emissions Mask



Date: 7.FEB.2022 14:33:30

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
1	26.965	4W	FM	5.45

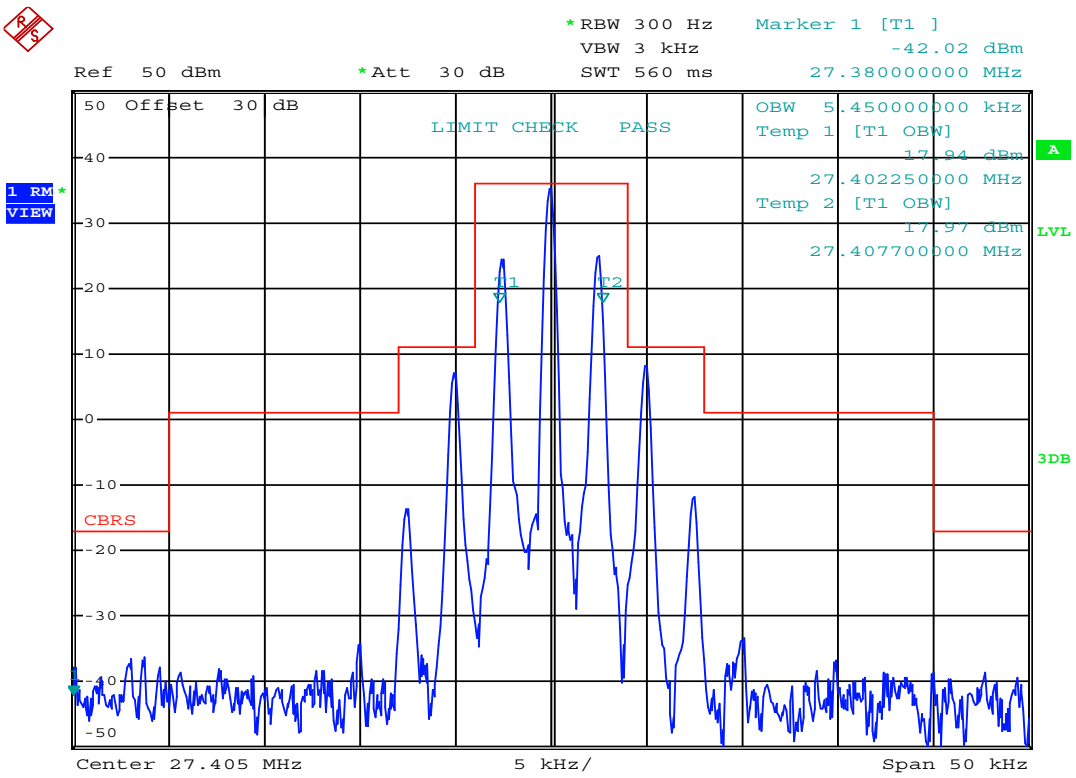
Emissions Mask



Date: 7.FEB.2022 14:34:51

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
19	27.185	4W	FM	5.43

Emissions Mask



Date: 7.FEB.2022 14:34:09

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Measured OBW *(kHz)*
40	27.405	4W	FM	5.45

Conducted Spurious Emissons Measurement Results:									
Channel Number	Frequency (MHz)	Power Setting	Modulation	Fundamental Power [P_{Fund}] (dBm)	Emission Frequency (MHz)	Measured Emission [P_{Meas}] (dBm)	Attenuation [Att] (dBm)	Limit (dB)	Margin (dB)
1	26.965	1W	AM	29.85	ND	ND	-	60.0	-
19	27.185			29.90	ND	ND	-		-
40	27.405			30.08	ND	ND	-		-
1	26.965		FM	29.53	53.85	-38.34	67.87		7.9
19	27.185			29.71	54.41	-38.28	67.99		8.0
40	27.405			29.94	54.81	-38.80	68.74		8.7
1	26.965	4W	AM	35.30	53.90	-27.24	62.54		2.5
19	27.185			35.46	54.31	-27.50	62.96		3.0
40	27.405			35.54	54.80	-28.03	63.57		3.6
1	26.965		FM	35.70	53.91	-33.06	68.76		8.8
19	27.185			35.86	54.37	-32.86	68.72		8.7
40	27.405			36.00	54.80	-32.65	68.65		8.7
								Result:	Complies

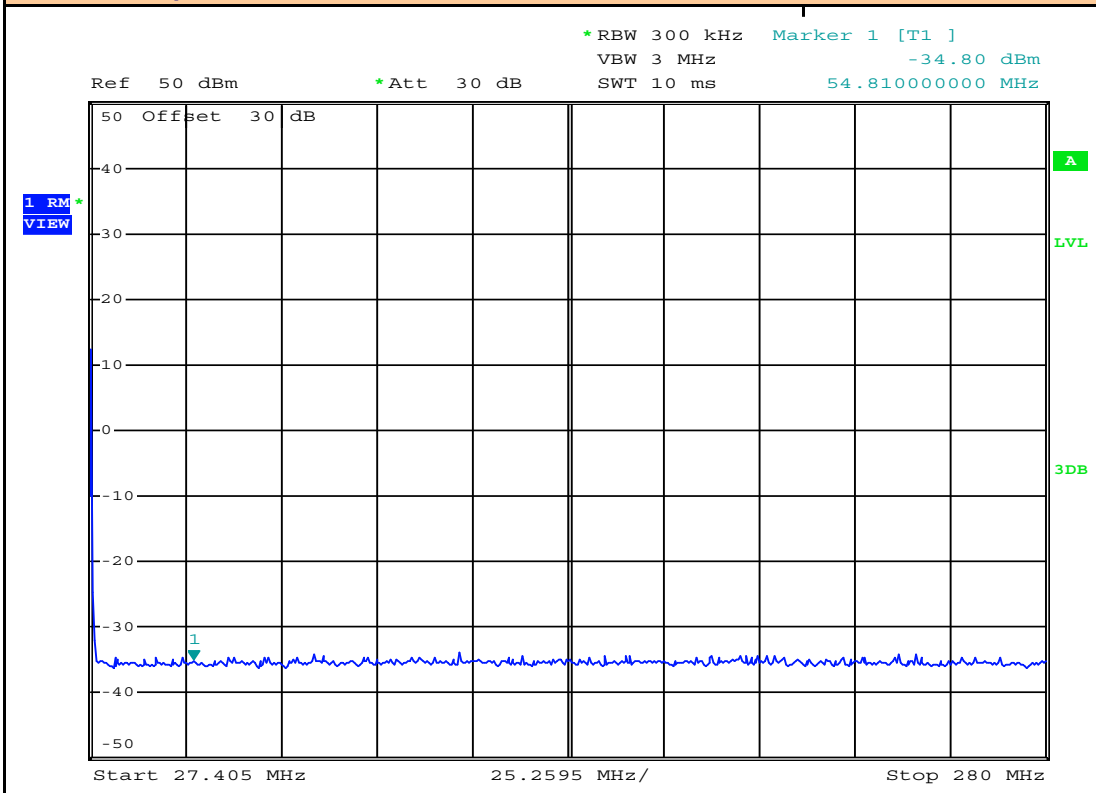
Attenuation [Att] = Fundamental Power [Pf_{und}] - Measured Emission [P_{meas}]

Margin = [Att] - Limit

ND = None Detected

No other emissions were detected

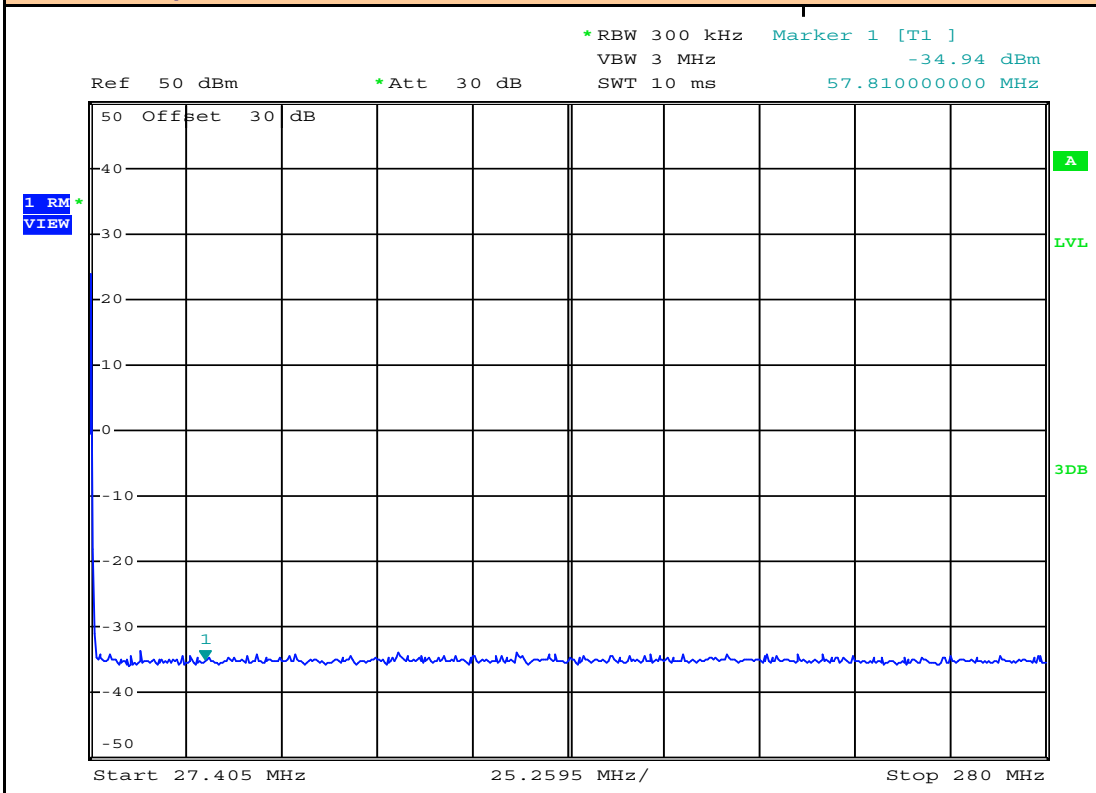
Conducted Spurious Emissions



Date: 24.DEC.2020 11:19:45

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	1W	AM	29.85	-	-

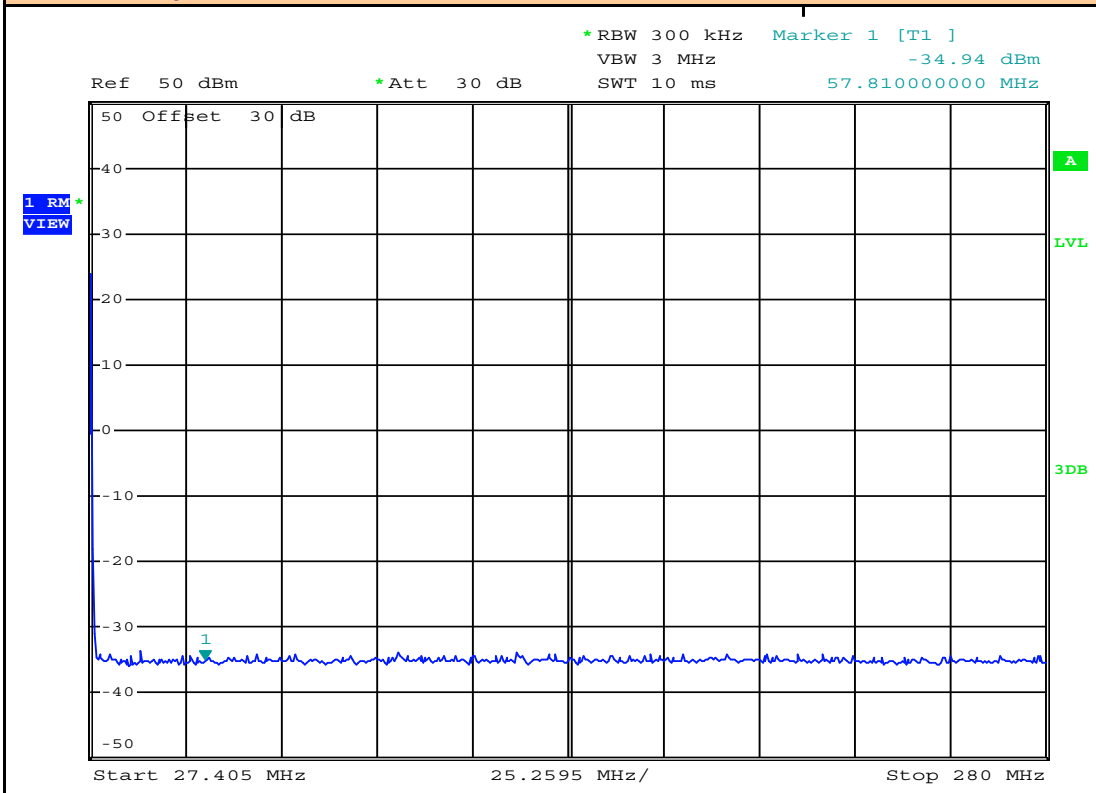
Conducted Spurious Emissions



Date: 24.DEC.2020 10:56:03

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	1W	AM	29.9	-	-

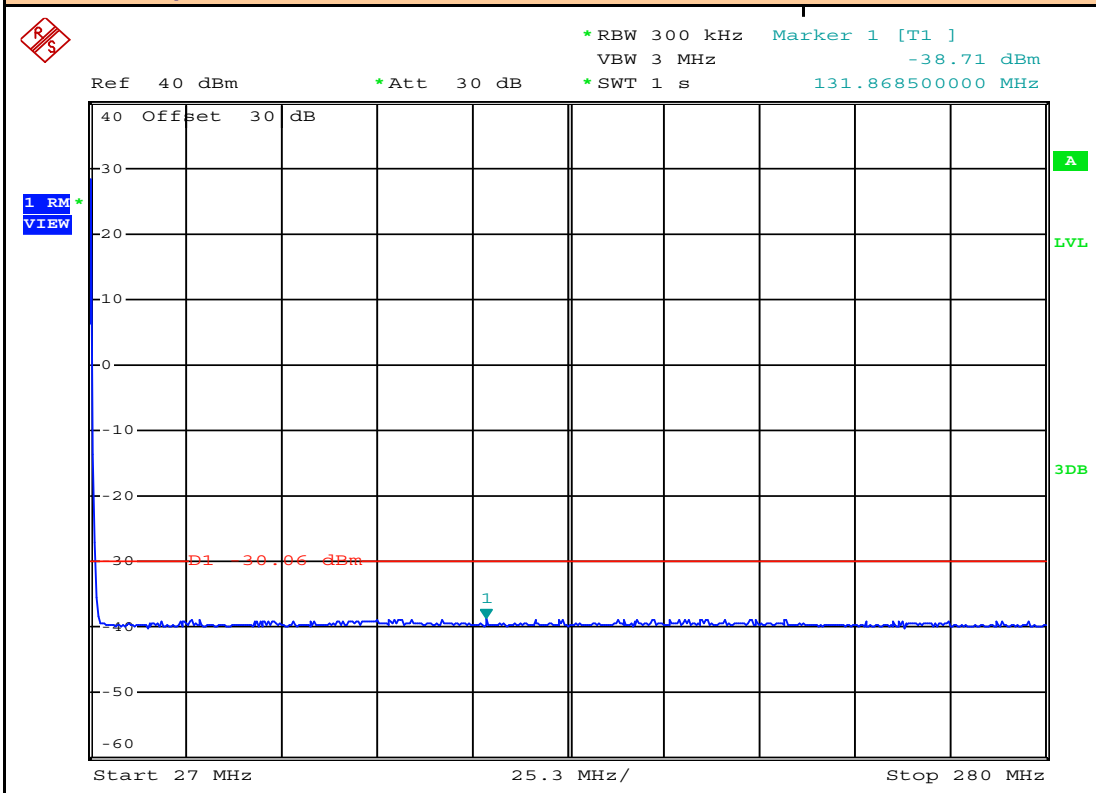
Conducted Spurious Emissions



Date: 24.DEC.2020 10:56:03

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	1W	AM	30.08	-	-

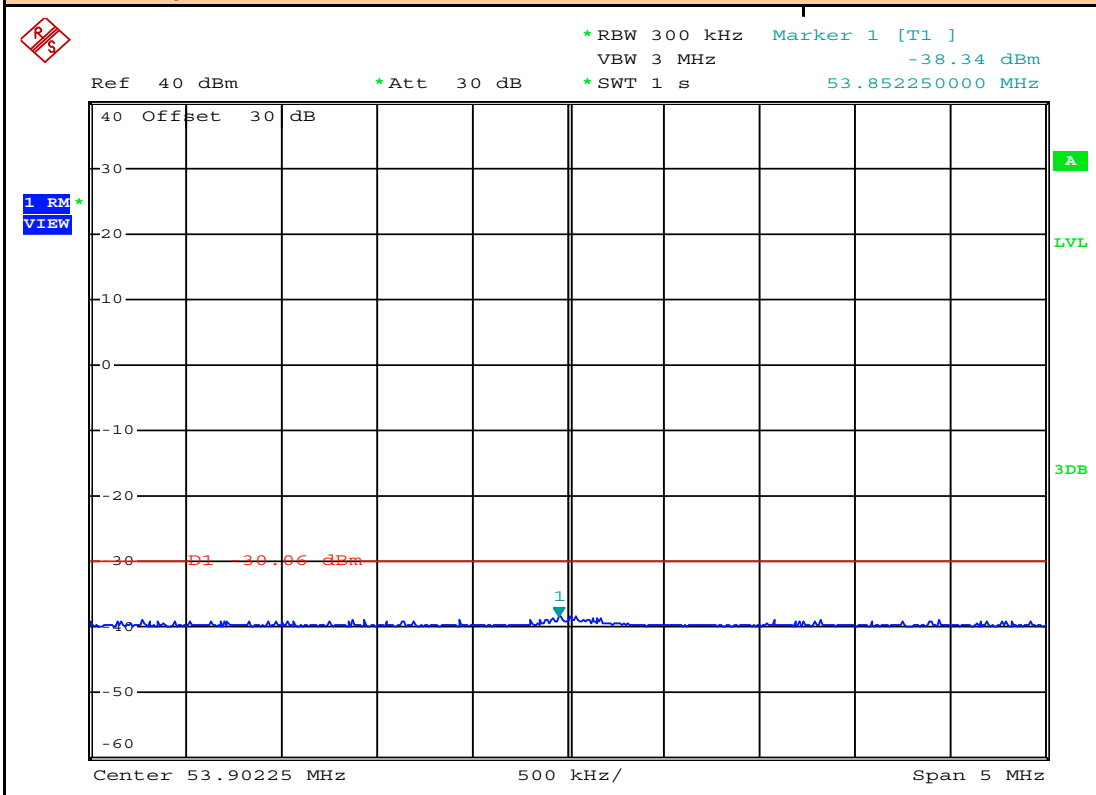
Conducted Spurious Emissions



Date: 7.FEB.2022 14:54:32

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	1W	FM	29.53	-	-

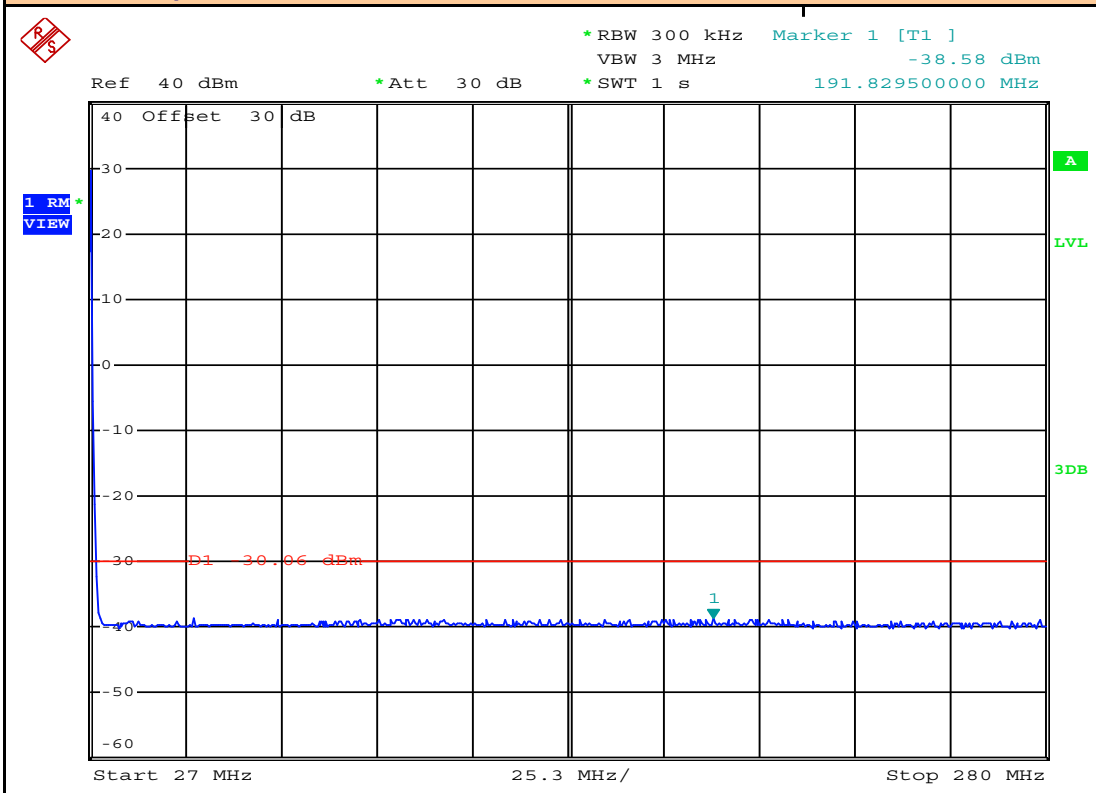
Conducted Spurious Emissions



Date: 7.FEB.2022 15:04:38

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	1W	FM	29.53	53.85	-38.34

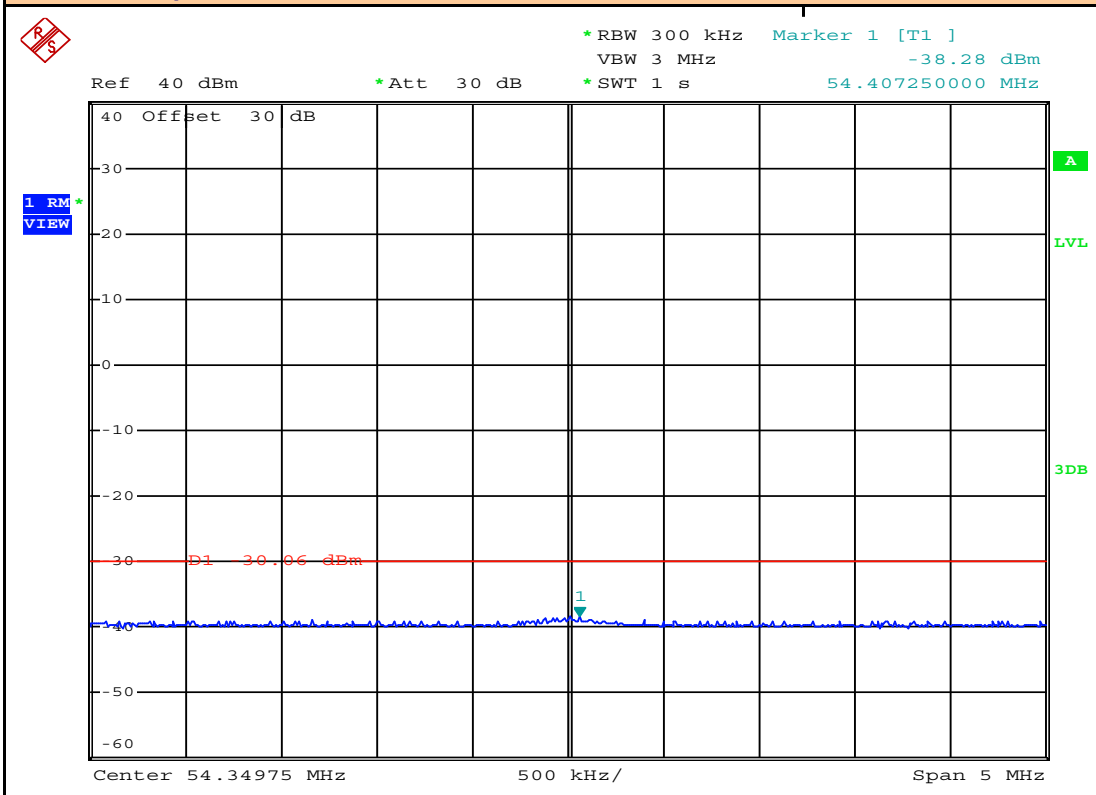
Conducted Spurious Emissions



Date: 7.FEB.2022 14:53:41

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	1W	FM	29.71	-	-

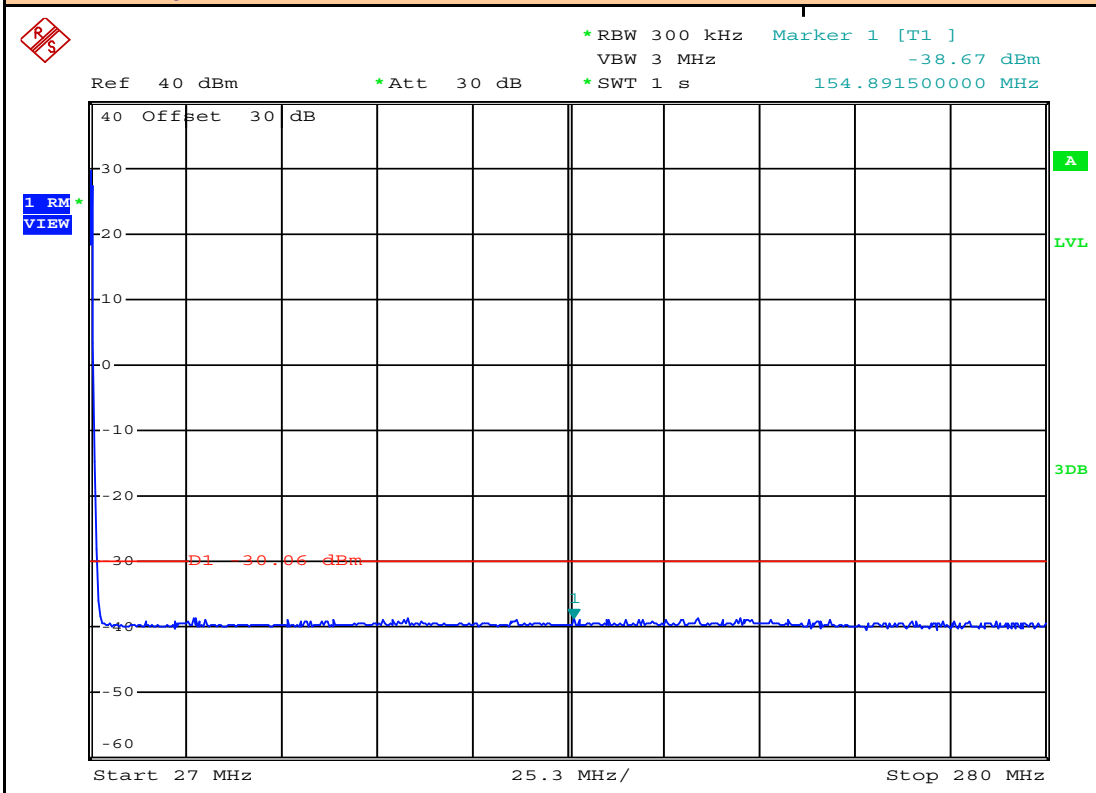
Conducted Spurious Emissions



Date: 7.FEB.2022 15:05:15

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	1W	FM	29.71	54.41	-38.28

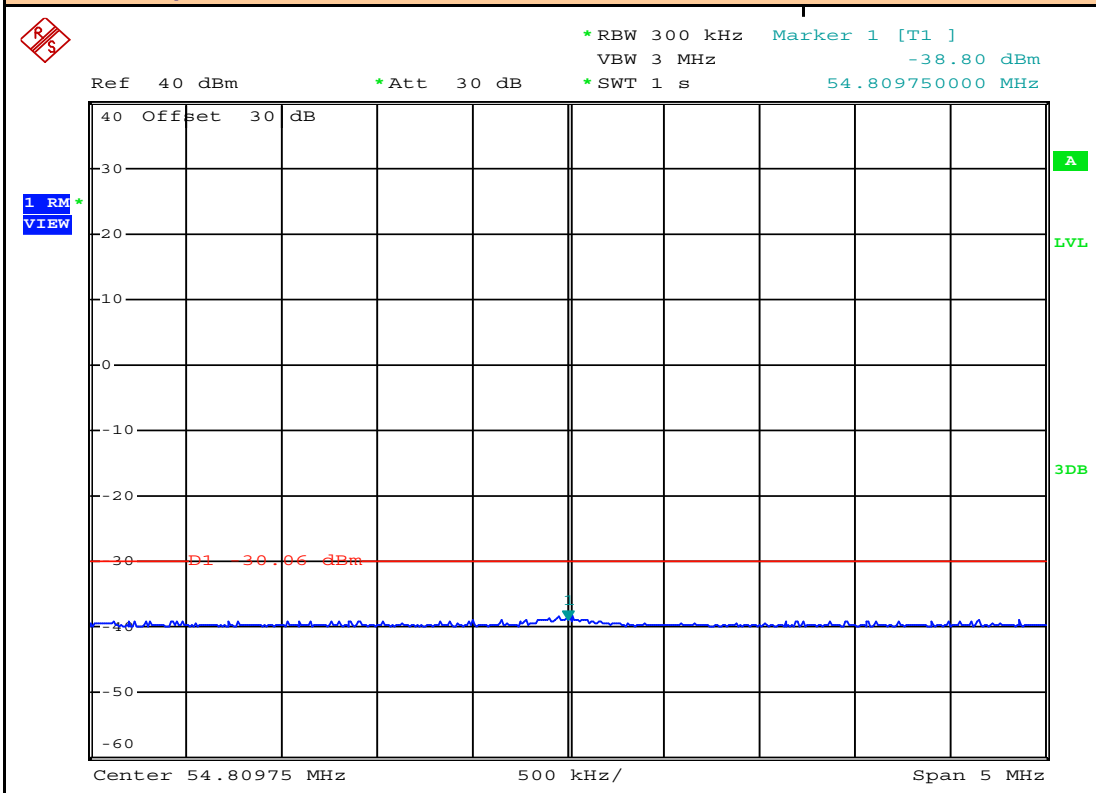
Conducted Spurious Emissions



Date: 7.FEB.2022 14:55:10

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	1W	FM	29.94	-	-

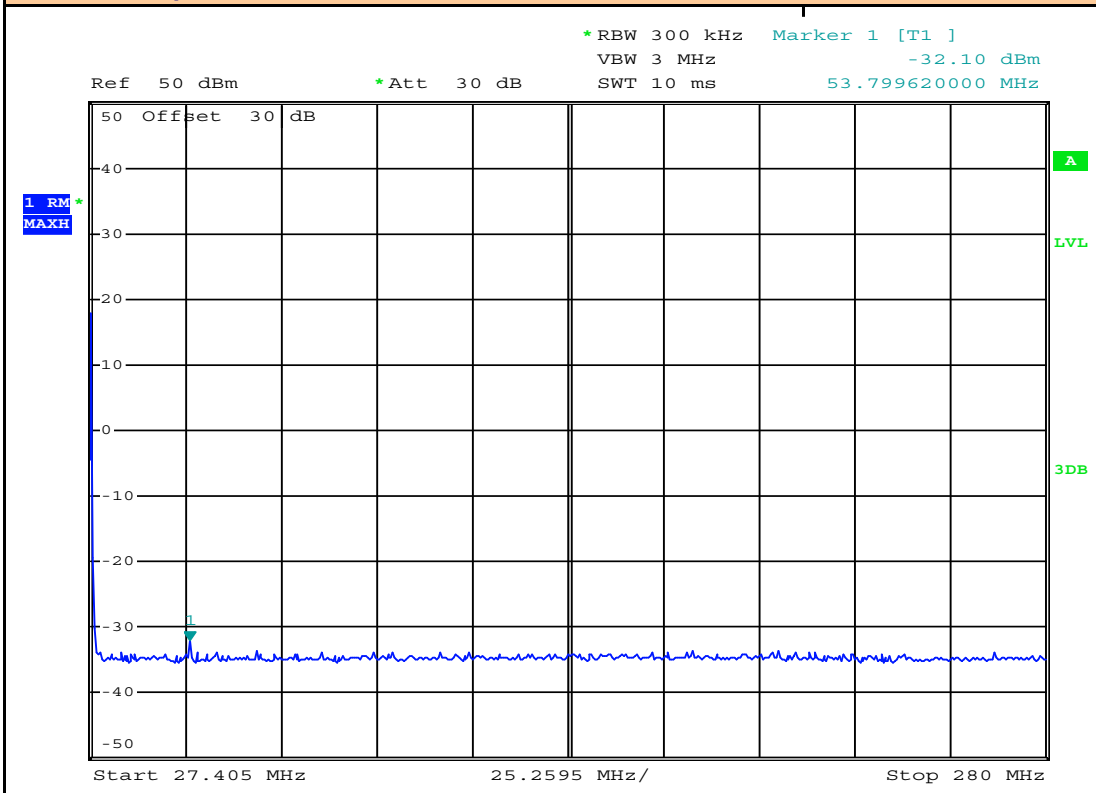
Conducted Spurious Emissions



Date: 7.FEB.2022 15:04:10

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	1W	FM	29.94	54.81	-38.80

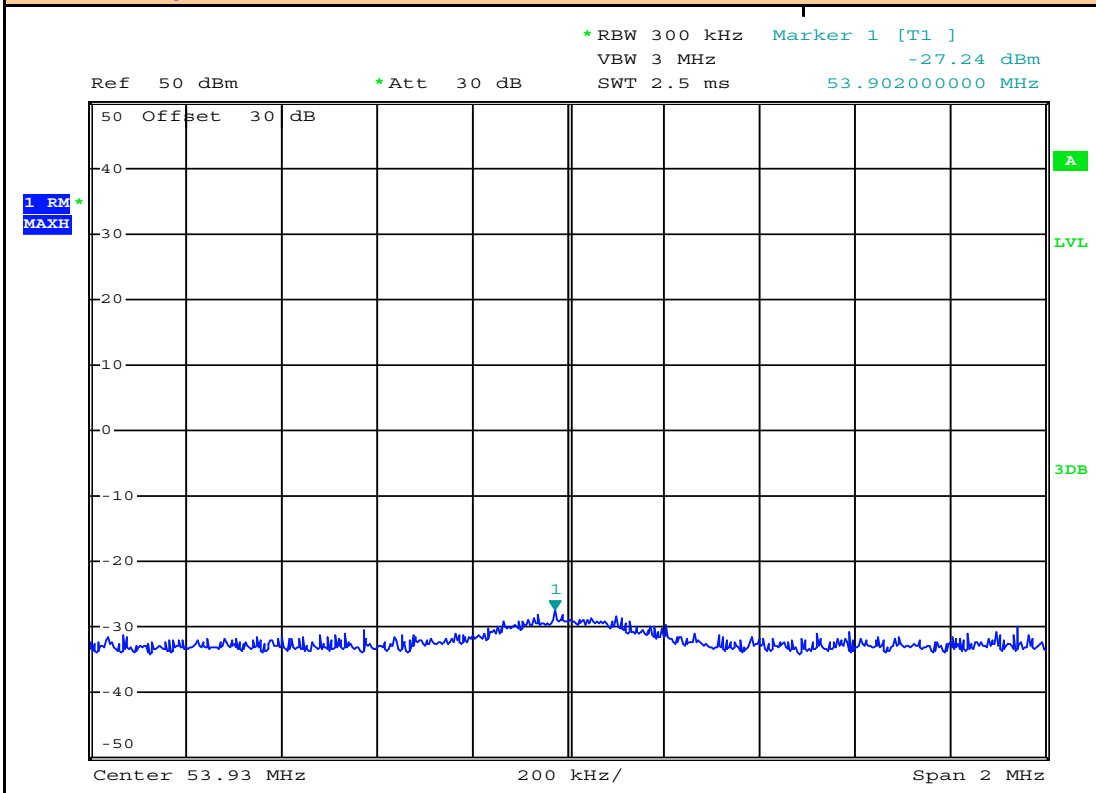
Conducted Spurious Emissions



Date: 24.DEC.2020 11:21:09

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	4W	AM	35.3	-	-

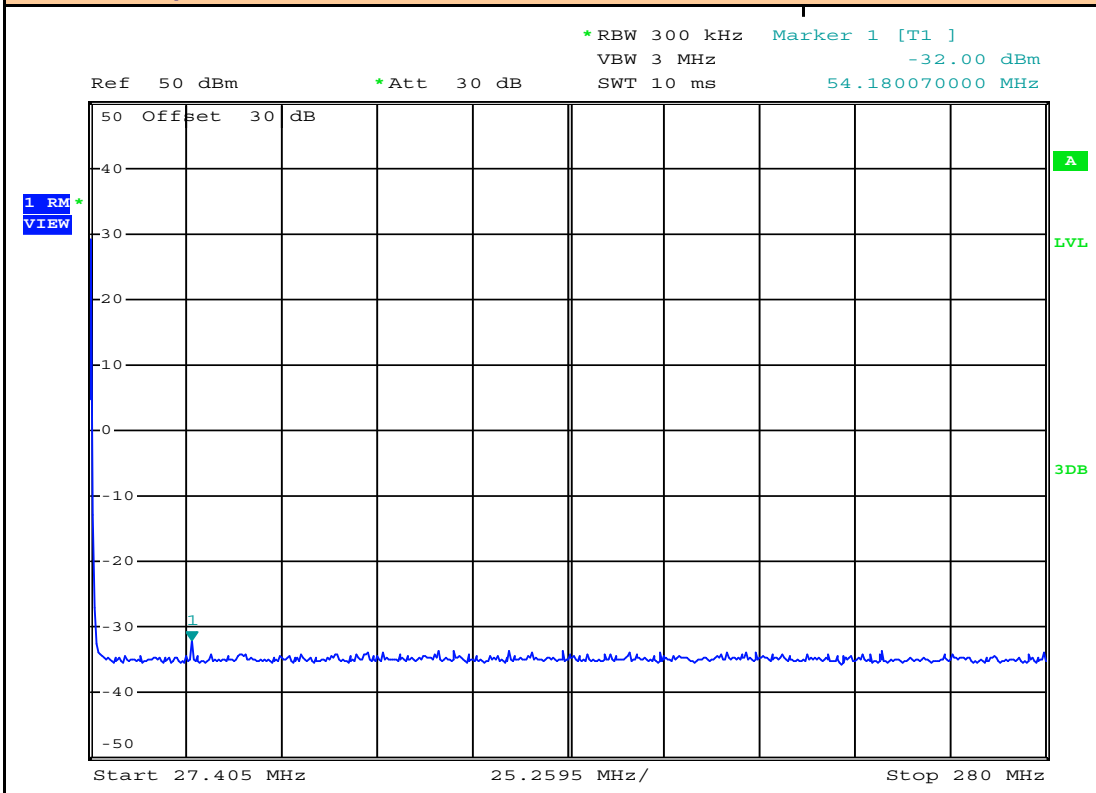
Conducted Spurious Emissions



Date: 24.DEC.2020 11:22:59

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	4W	AM	35.3	53.90	-27.24

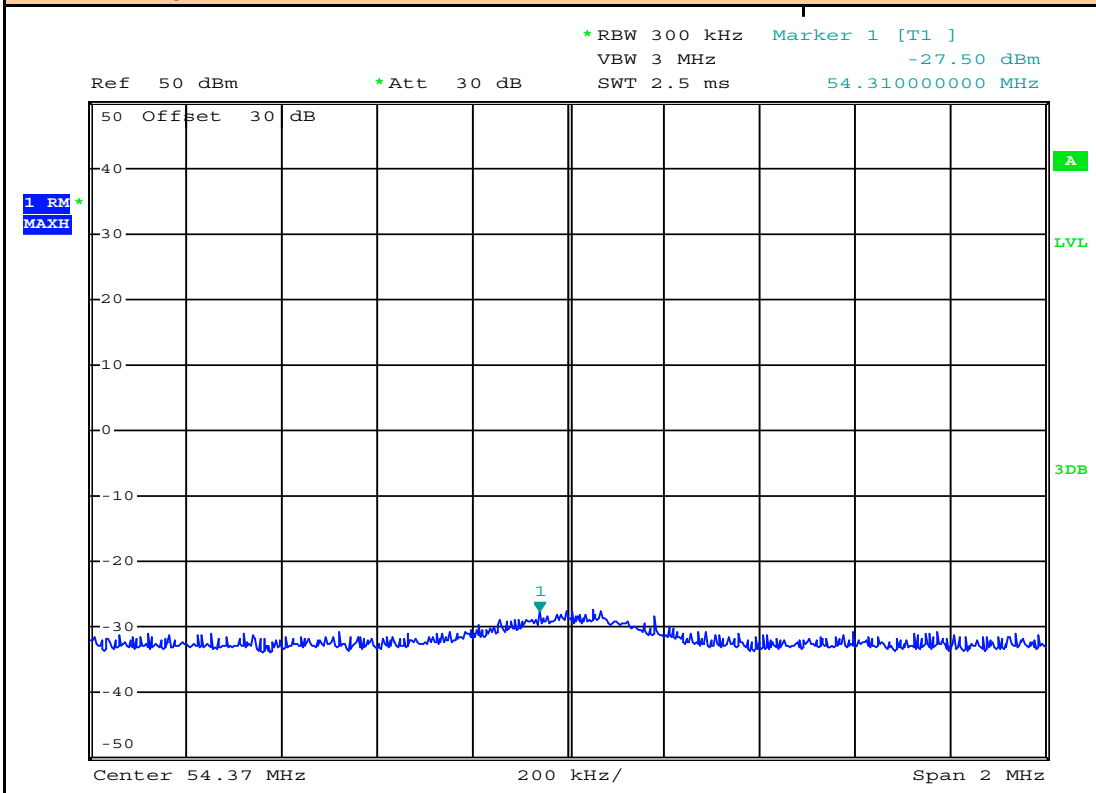
Conducted Spurious Emissions



Date: 24.DEC.2020 10:51:50

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	4W	AM	35.46	-	-

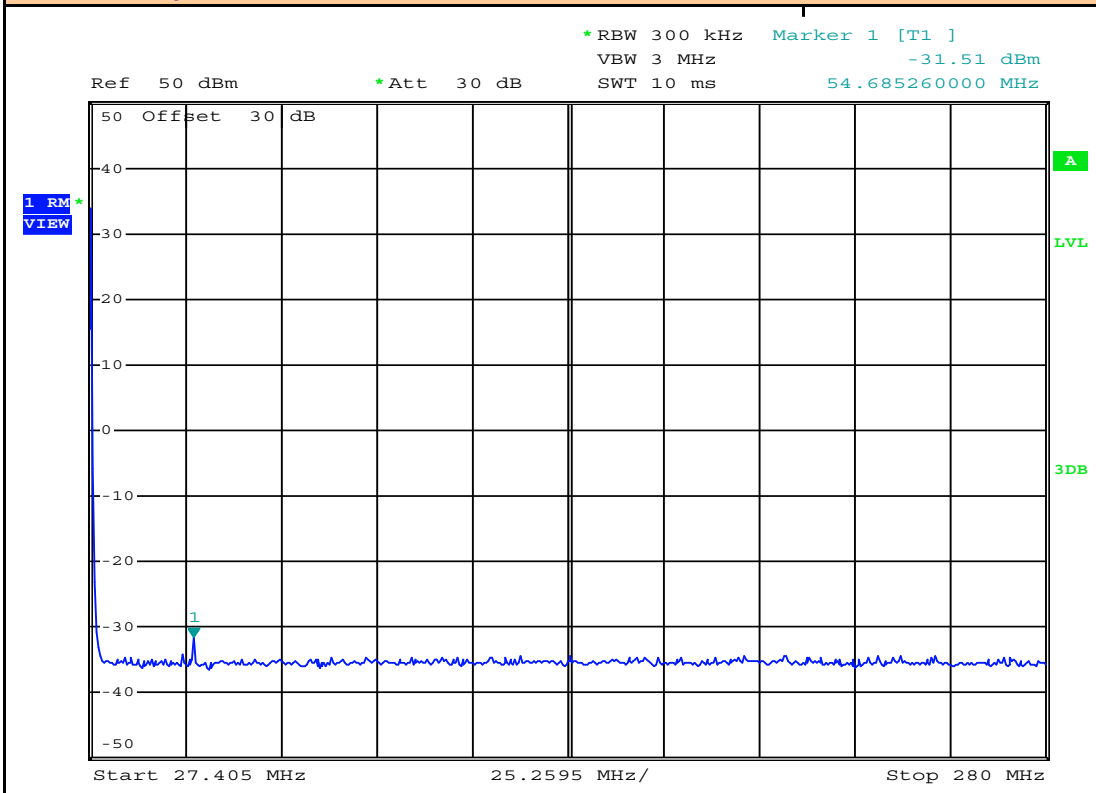
Conducted Spurious Emissions



Date: 24.DEC.2020 10:53:07

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	4W	AM	35.46	54.31	-27.50

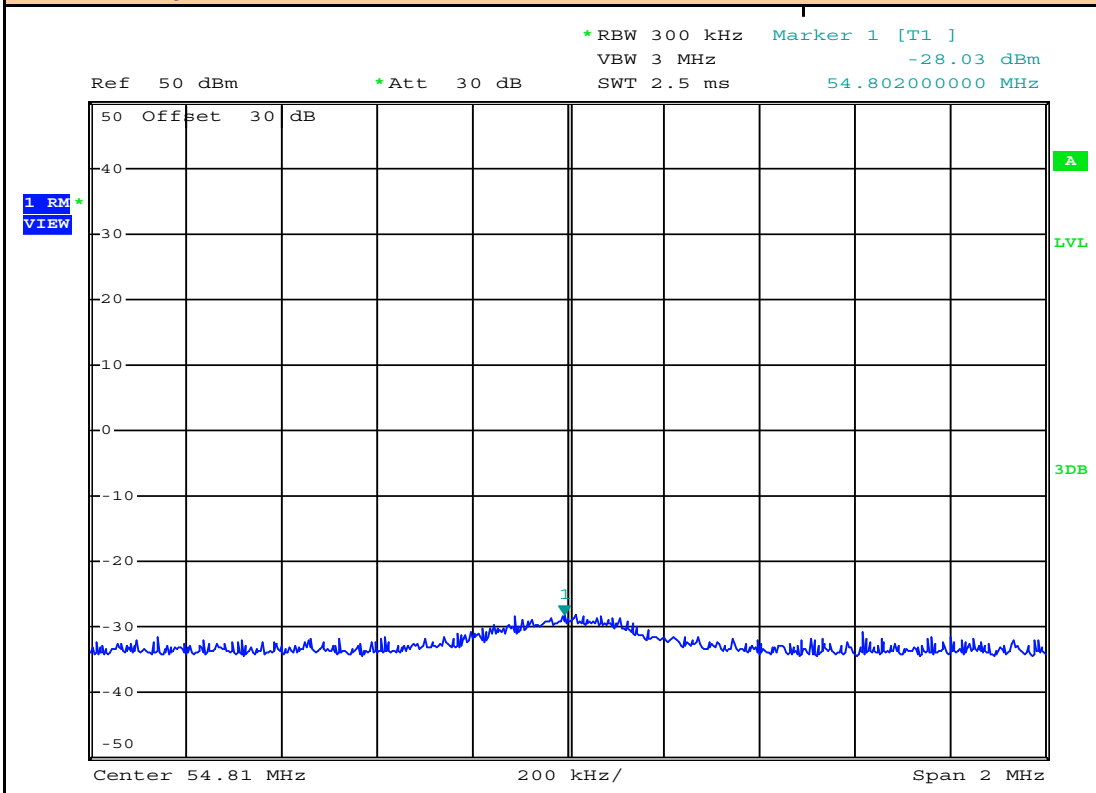
Conducted Spurious Emissions



Date: 24.DEC.2020 11:15:08

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	4W	AM	35.54	-	-

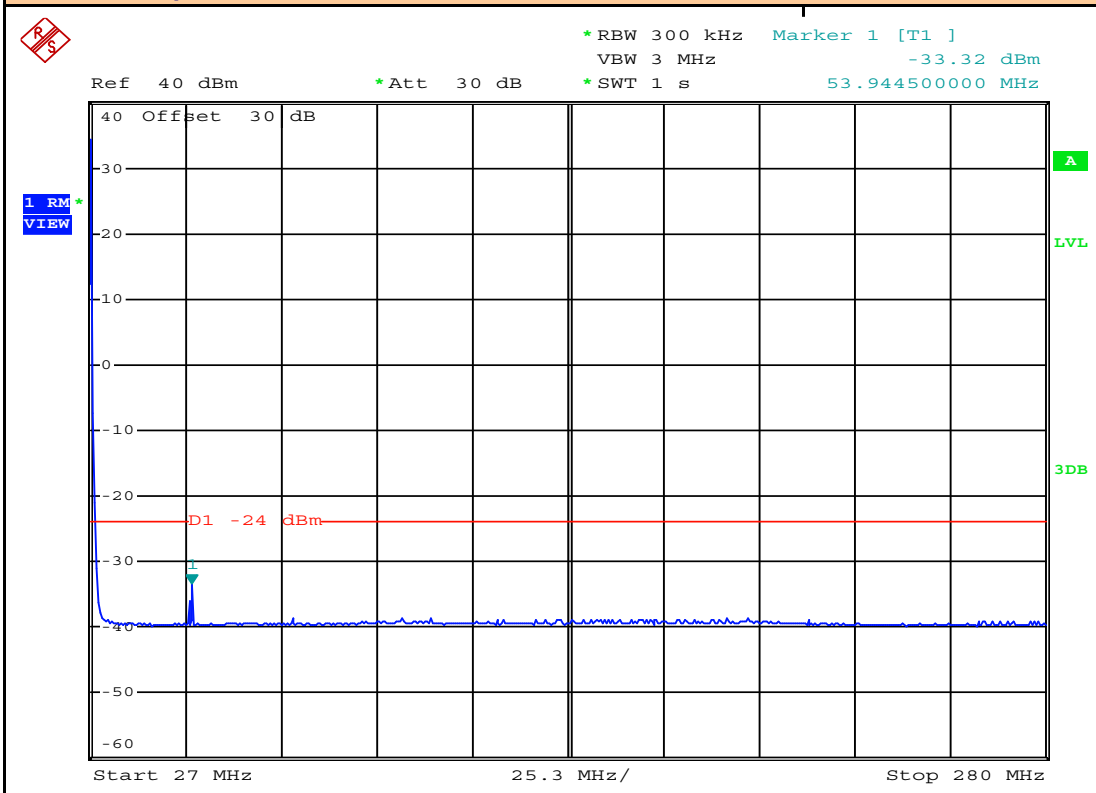
Conducted Spurious Emissions



Date: 24.DEC.2020 11:17:04

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	4W	AM	35.54	54.80	-28.03

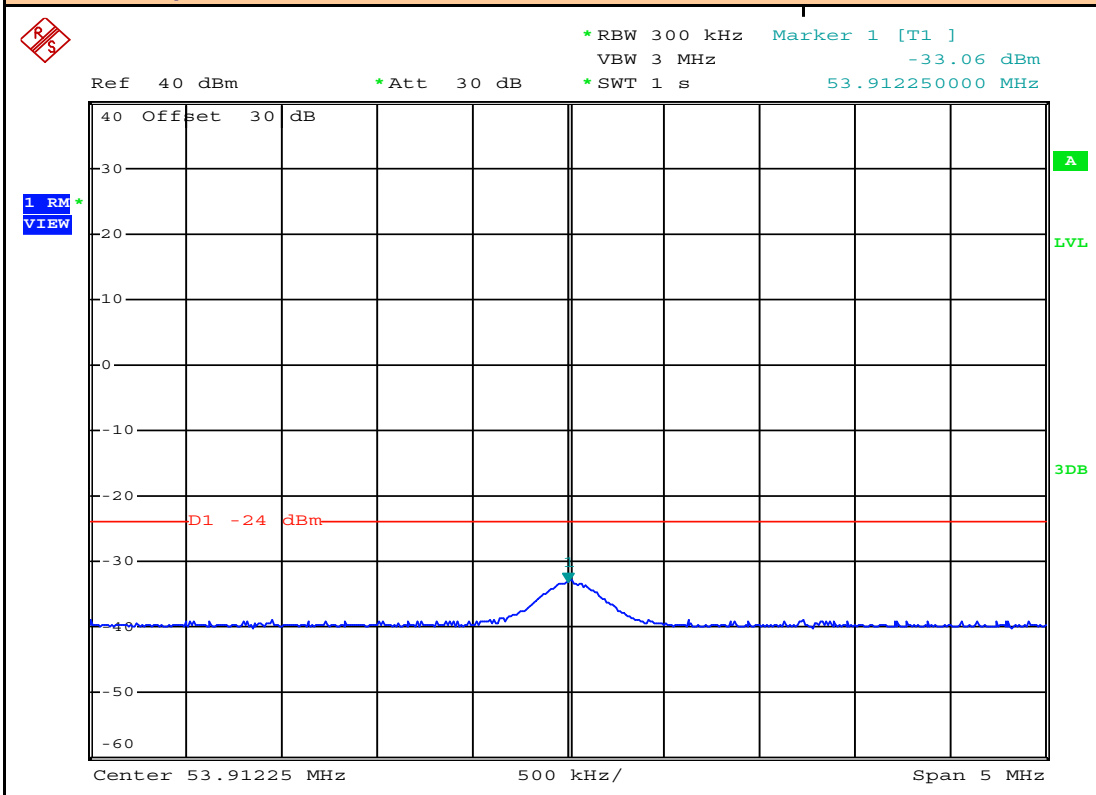
Conducted Spurious Emissions



Date: 7.FEB.2022 14:57:45

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	4W	FM	35.7	-	-

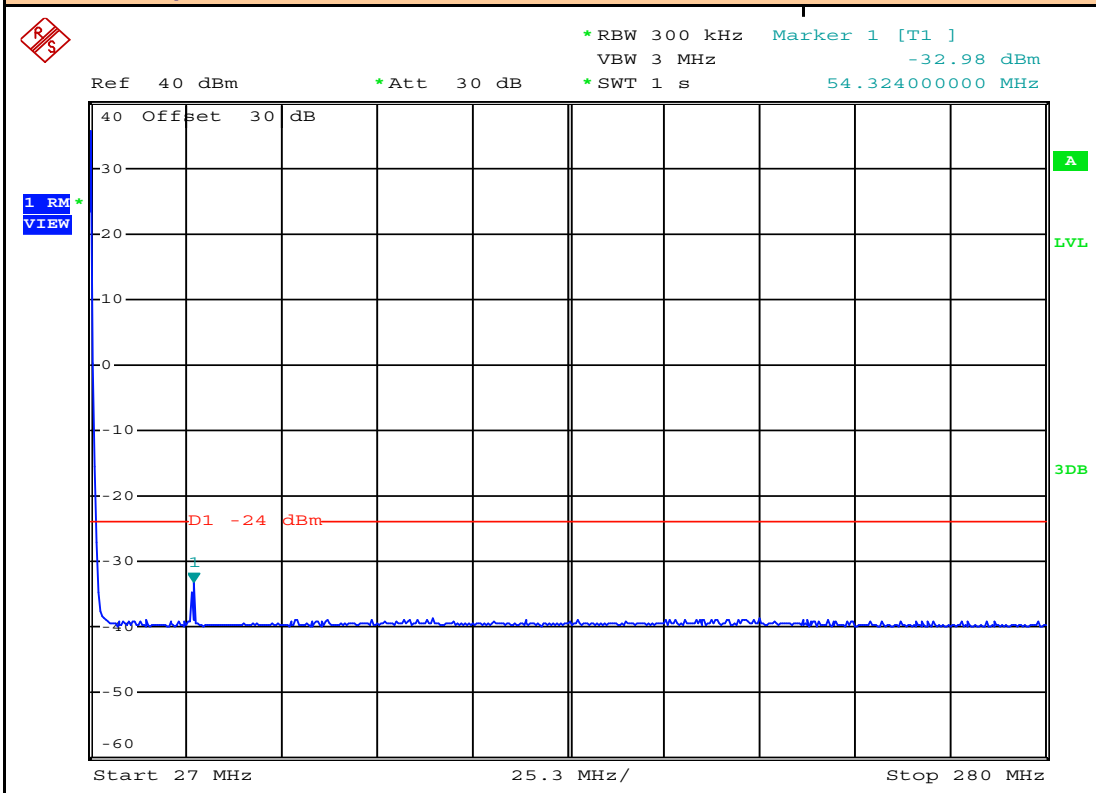
Conducted Spurious Emissions



Date: 7.FEB.2022 15:02:02

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
1	26.965	4W	FM	35.7	53.91	-33.06

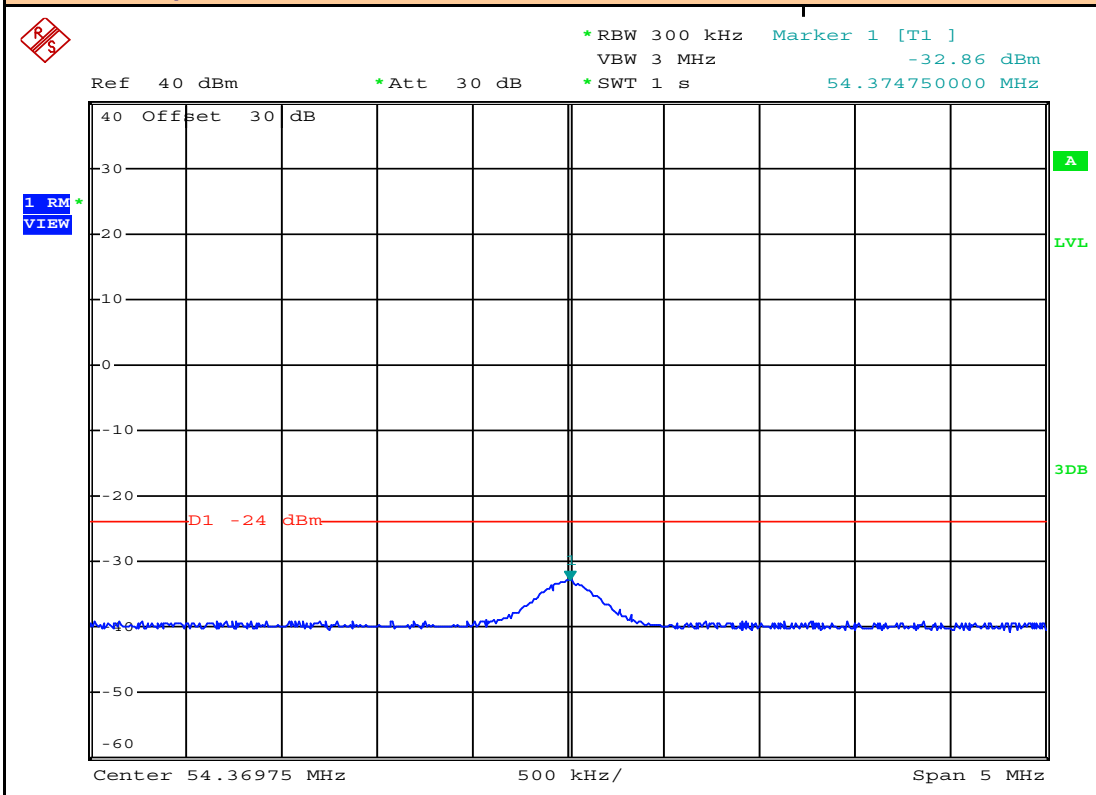
Conducted Spurious Emissions



Date: 7.FEB.2022 14:58:19

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	4W	FM	35.86	-	-

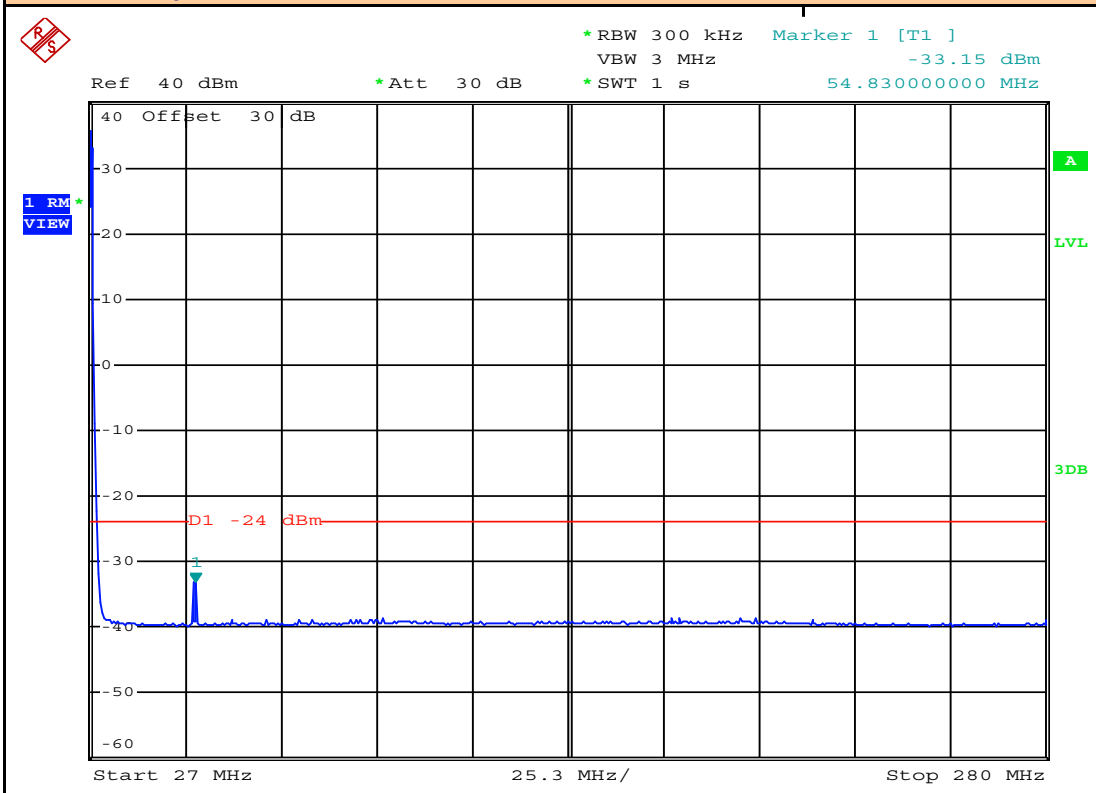
Conducted Spurious Emissions



Date: 7.FEB.2022 15:01:21

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
19	27.185	4W	FM	35.86	54.37	-32.86

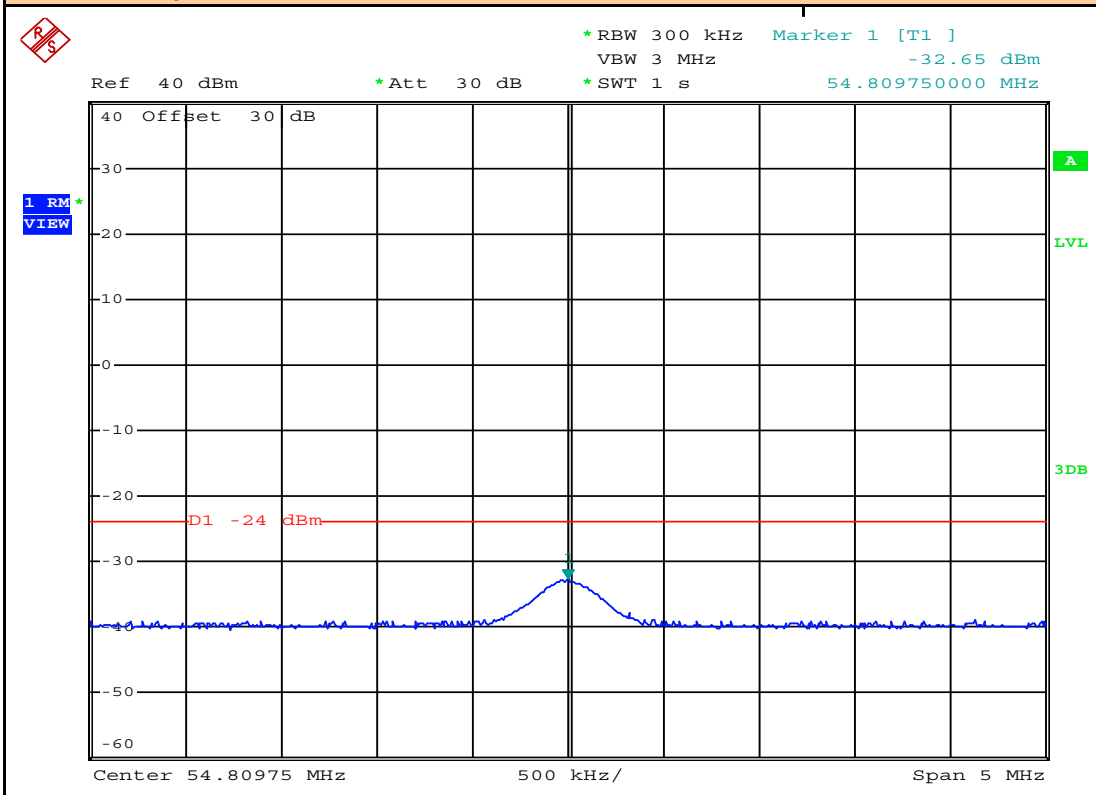
Conducted Spurious Emissions



Date: 7.FEB.2022 14:57:00

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	4W	FM	36	-	-

Conducted Spurious Emissions



Date: 7.FEB.2022 15:02:37

Channel Number	Channel Frequency *(MHz)*	Power Setting	Modulation	Fund. Power *(dBm)*	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
40	27.405	4W	FM	36	54.80	-32.65

Summary of Radiated Tx Emissions (AM)

Measured Frequency Range (MHz)	Channel Frequency (MHz)	Antenna Polarization	Emission Frequency	Measured Emission [E_{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L_C] (dB)	Amplifier Gain [G_A] (dB)	Corrected Emission [E_{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
9kHz - 30MHz	27.2	Front *	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.2	Side *	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.2	Front **	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.2	Side **	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.2	Horizontal *	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.2	Vertical *	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.2	Horizontal **	82.38MHz	29.5	12.60	0.50	0.00 (3)	29.5 (2)	40.0	**10.5**
30-1000MHz	27.2	Horizontal **	794.2MHz	39.20	28.30	0.75	0.00 (3)	39.2 (2)	46.0	**6.8**
30-1000MHz	27.2	Vertical **	55.11MHz	29.00	11.30	0.50	0.00 (3)	29.0 (2)	40.0	**11.0**
30-1000MHz	27.2	Vertical **	82.38MHz	29.50	12.60	0.50	0.00 (3)	29.5 (2)	40.0	**10.5**
30-1000MHz	27.2	Vertical **	848.1MHz	41.50	29.50	0.75	0.00 (3)	41.5 (2)	46.0	**4.5**
								Results:	**Complies**	

(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

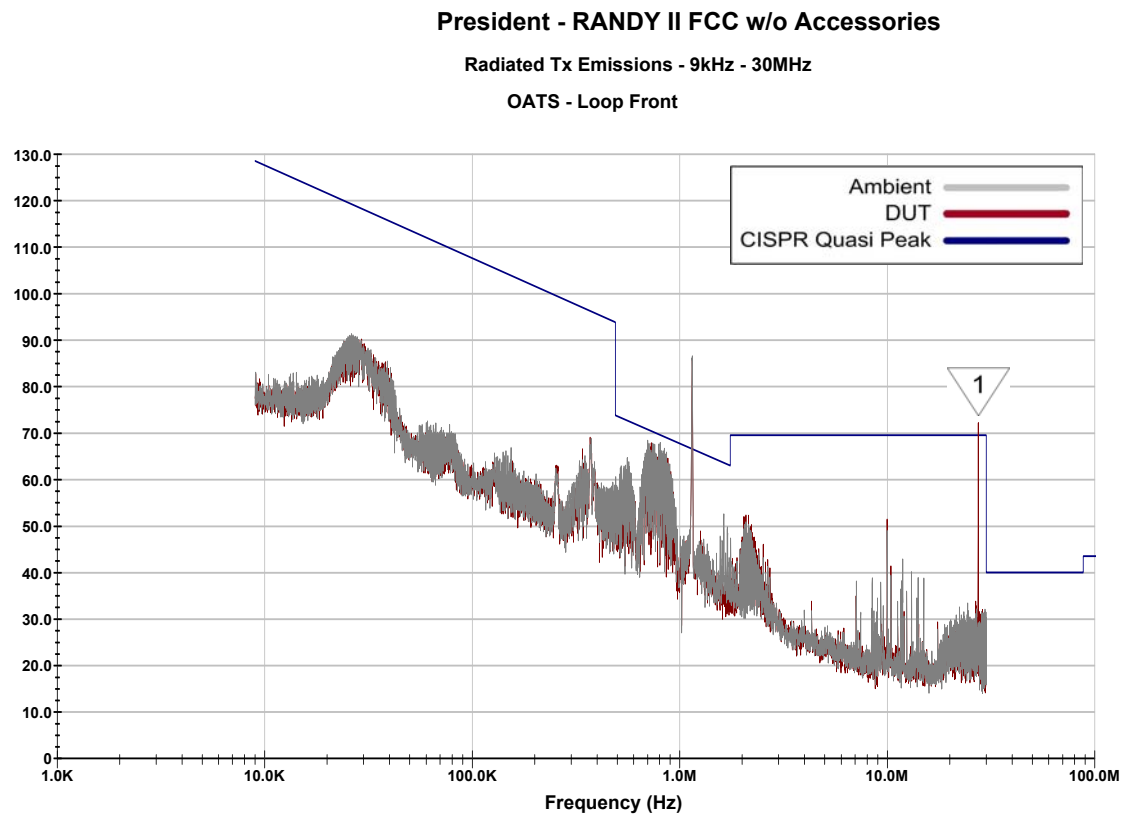
(3) External Amplier not used

$E_{Corr} = E_{Meas} + ACF^E + L_C - G_A$

Where ACF^E is the Electric Antenna Correction Factor

* Without Manufacturer's Accessories, ** With Manufacturer's Accessories

Radiated Tx Emissions:



02:03:43 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Front	ND	ND

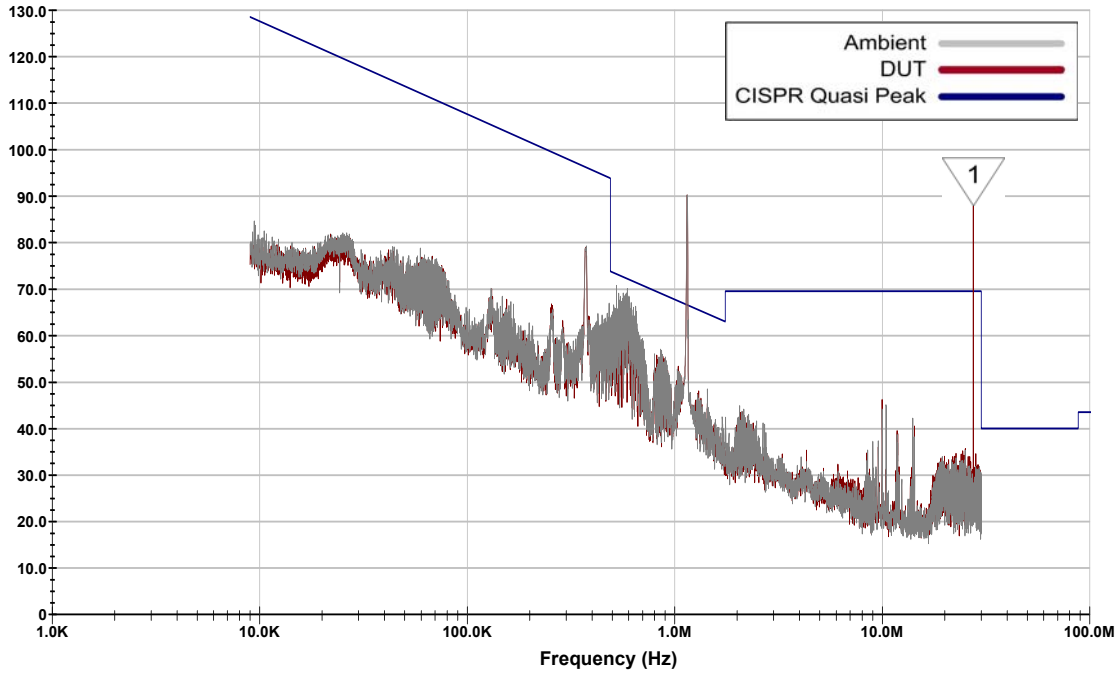
Marker 1: Fundamental

Radiated Tx Emissions:

President - RANDY II FCC w/o Accessories

Radiated Tx Emissions - 9kHz - 30MHz

OATS - Loop Side



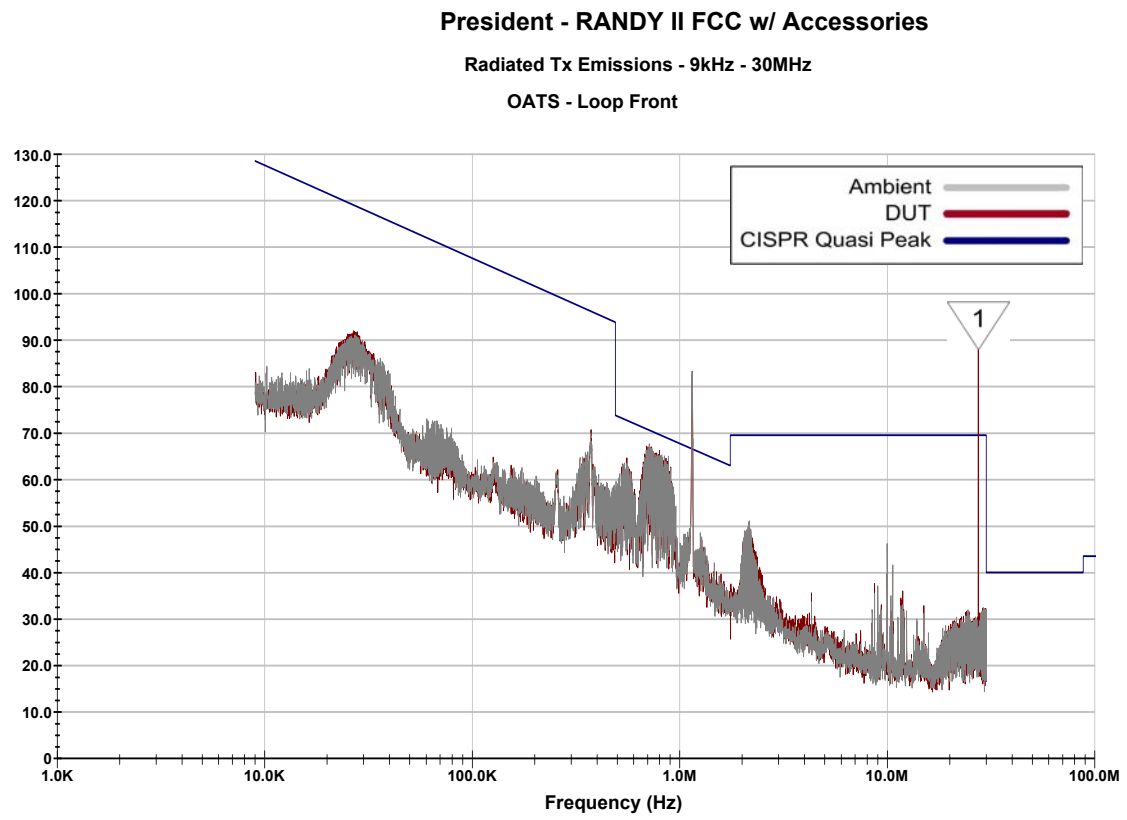
02:03:43 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Side	ND	ND

Marker 1: Fundamental

Radiated Tx Emissions:



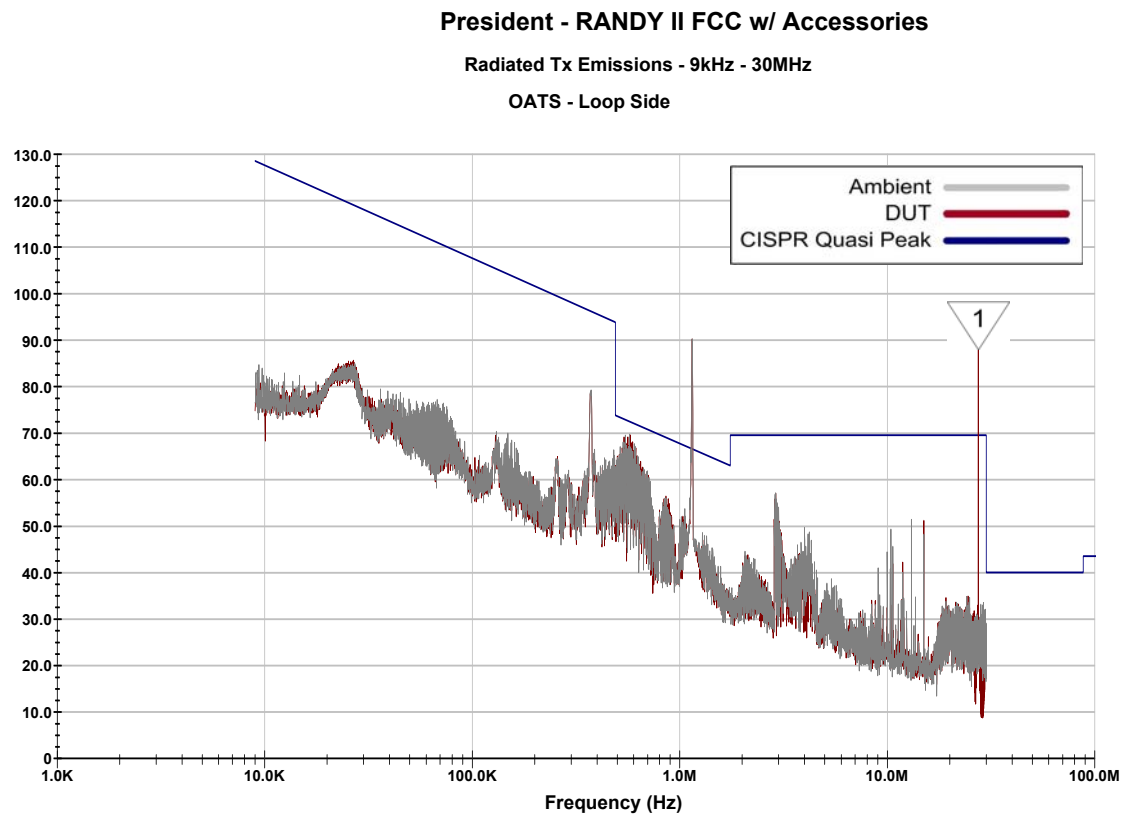
01:52:39 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Front	ND	ND

Marker 1: Fundamental

Radiated Tx Emissions:



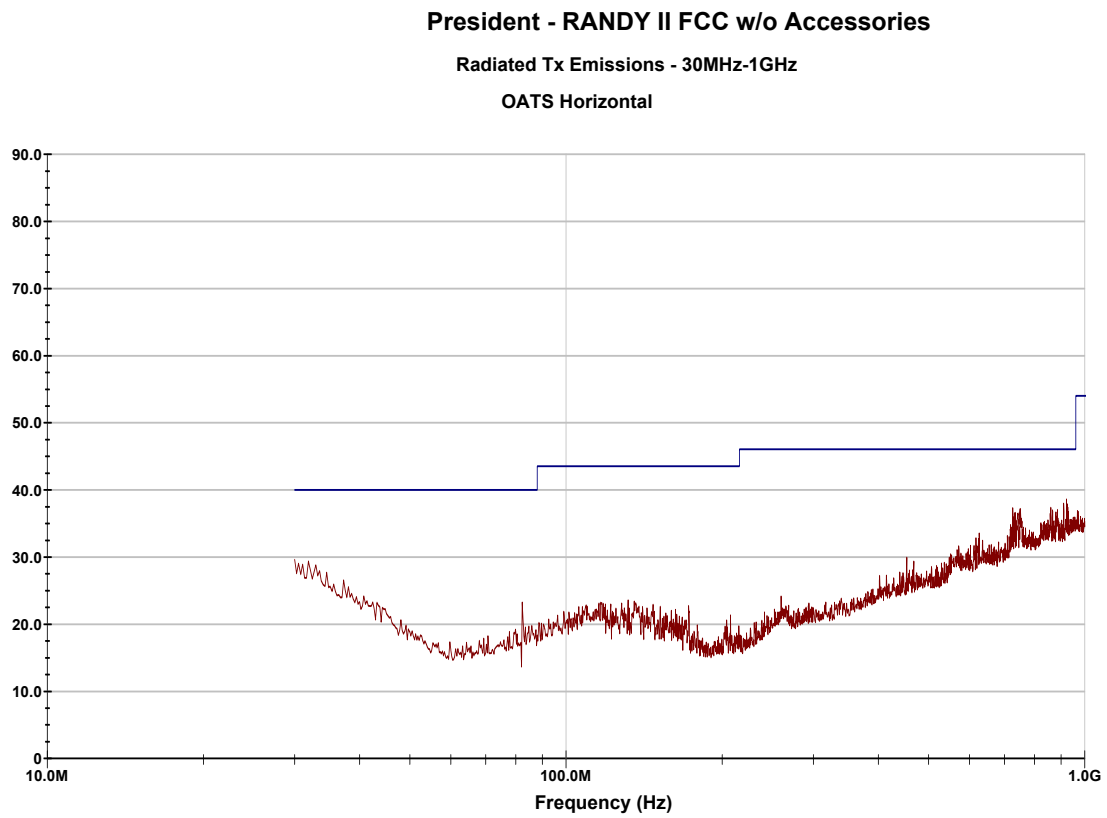
01:52:39 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Side	ND	ND

Marker 1: Fundamental

Radiated Tx Emissions:

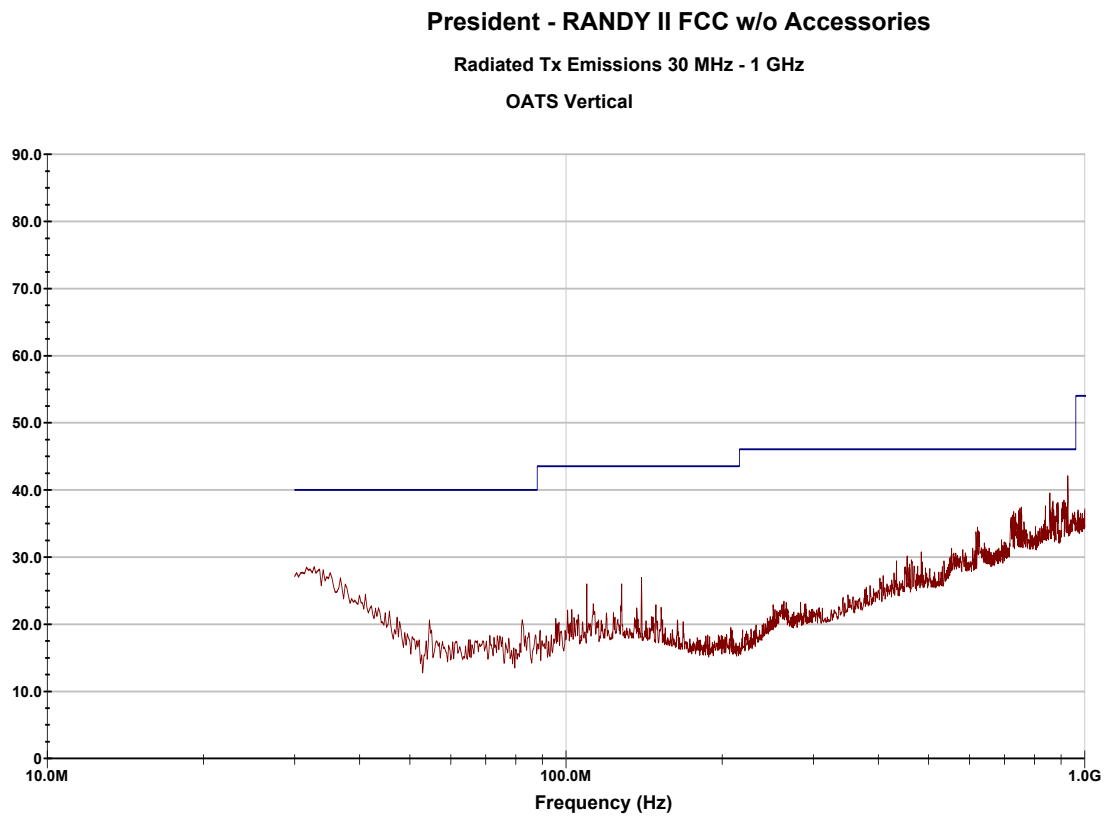


02:33:12 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Horizontal	-	-

Radiated Tx Emissions:

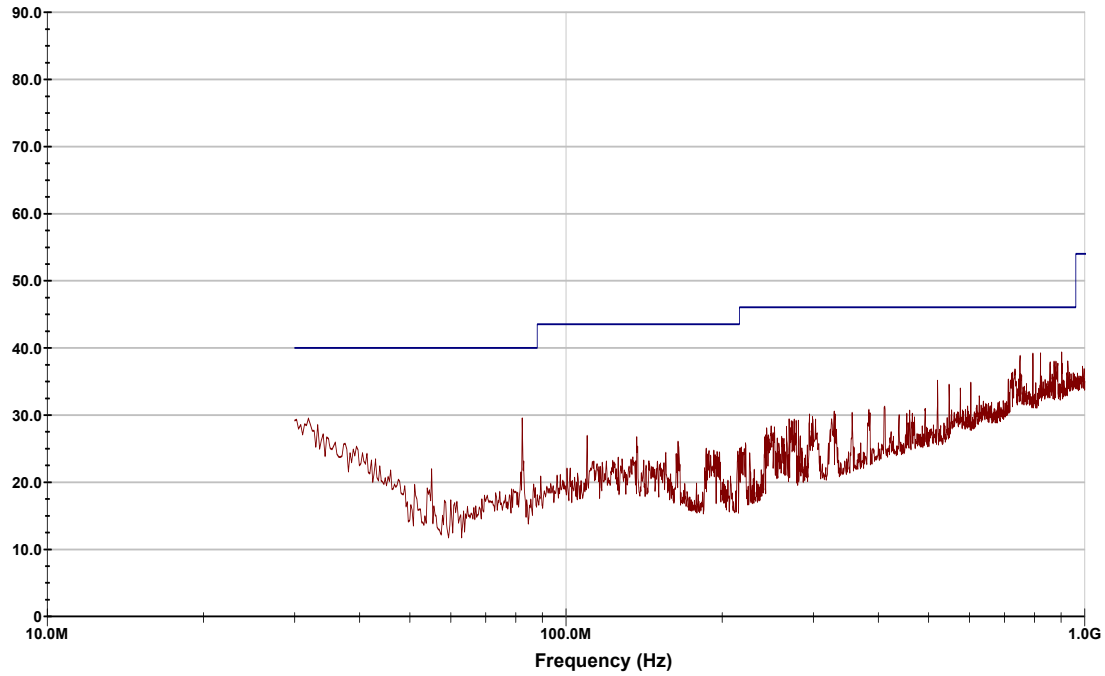


02:33:12 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Vertical	-	-

Radiated Tx Emissions:

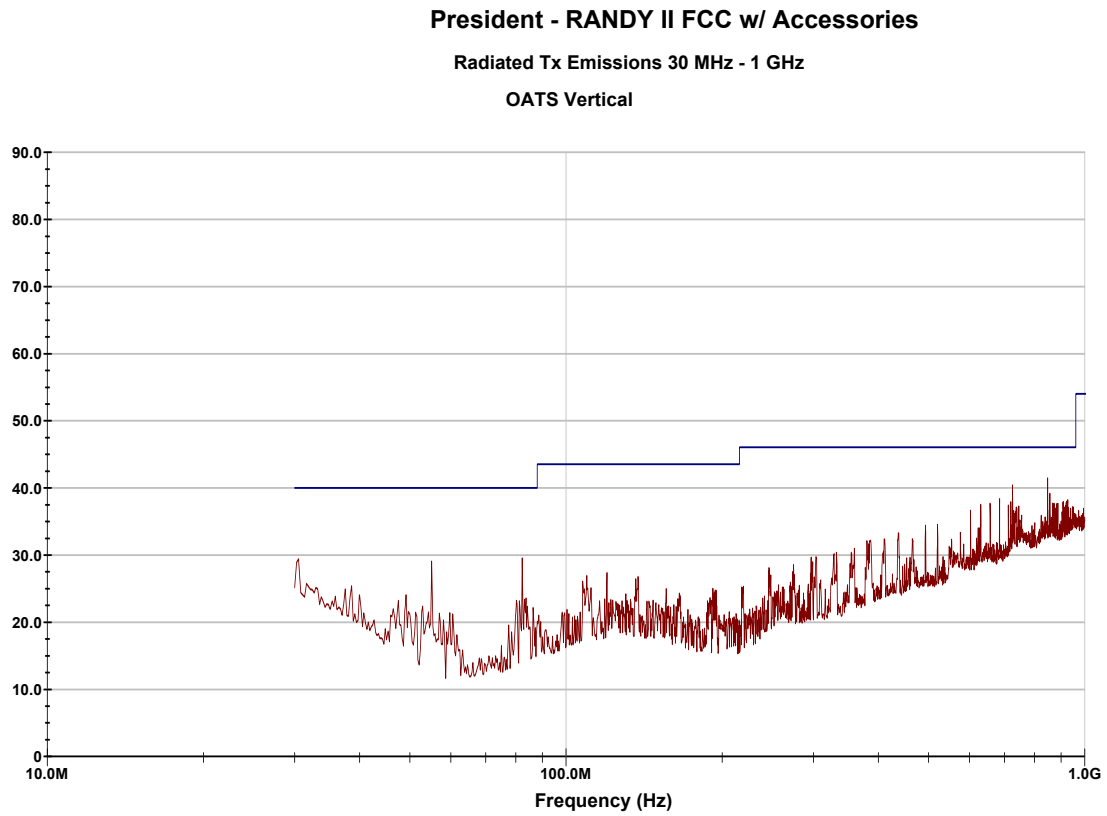


02:27:27 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Horizontal	-	-

Radiated Tx Emissions:



02:27:27 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Vertical	-	-

Summary of Radiated Tx Emissions (AM)

Measured Frequency Range (MHz)	Channel Frequency (MHz)	Antenna Polarization	Emission Frequency	Measured Emission [E_{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L_C] (dB)	Amplifier Gain [G_A] (dB)	Corrected Emission [E_{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
9kHz - 30MHz	27.405	Front *	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.405	Side *	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.405	Front **	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.405	Side **	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.405	Horizontal *	89.40 MHz	14.1	11.70	0.77	0.00 (3)	26.6 (2)	40.0	**n/a**
30-1000MHz	27.405	Horizontal *	271.92 MHz	10.8	17.90	1.35	0.00 (3)	30.1 (2)	46.0	**n/a**
30-1000MHz	27.405	Horizontal *	745.20 MHz	9.5	28.70	2.60	0.00 (3)	40.8 (2)	46.0	**10.5**
30-1000MHz	27.405	Horizontal *	794.20 MHz	8.3	28.30	2.60	0.00 (3)	39.2 (2)	46.0	**6.8**
30-1000MHz	27.405	Vertical *	856.50 MHz	10.4	29.50	2.78	0.00 (3)	42.7 (2)	46.0	**11.0**
30-1000MHz	27.405	Horizontal **	89.40 MHz	9.8	13.40	0.77	0.00 (3)	24.0 (2)	43.5	**10.5**
30-1000MHz	27.405	Horizontal **	103.44 MHz	14.5	15.40	0.99	0.00 (3)	30.9 (2)	43.5	**4.5**
30-1000MHz	27.405	Horizontal **	136.11 MHz	7.1	16.60	0.99	0.00 (3)	24.6 (2)	43.5	**n/a**
30-1000MHz	27.405	Horizontal **	155.55 MHz	34.6	15.80	0.99	0.00 (3)	51.4 (2)	43.5	**n/a**
30-1000MHz	27.405	Horizontal **	155.82 MHz	34.3	15.80	0.99	0.00 (3)	51.0 (2)	43.5	**10.5**
30-1000MHz	27.405	Horizontal **	156.09 MHz	11.1	15.70	0.99	0.00 (3)	27.8 (2)	43.5	**6.8**
30-1000MHz	27.405	Horizontal **	244.65 MHz	11.3	16.80	1.35	0.00 (3)	29.4 (2)	46.0	**11.0**
30-1000MHz	27.405	Horizontal **	244.92 MHz	9.5	16.80	1.35	0.00 (3)	27.7 (2)	46.0	**10.5**
30-1000MHz	27.405	Horizontal **	352.50 MHz	9.1	19.50	1.64	0.00 (3)	30.3 (2)	46.0	**4.5**
30-1000MHz	27.405	Horizontal **	353.20 MHz	9.5	19.50	1.64	0.00 (3)	30.7 (2)	46.0	**n/a**
30-1000MHz	27.405	Horizontal **	407.10 MHz	13.0	21.50	1.91	0.00 (3)	36.4 (2)	46.0	**n/a**
30-1000MHz	27.405	Horizontal **	407.80 MHz	13.5	21.50	1.91	0.00 (3)	36.9 (2)	46.0	**10.5**
30-1000MHz	27.405	Horizontal **	878.90 MHz	8.1	29.30	2.78	0.00 (3)	40.1 (2)	46.0	**6.8**
30-1000MHz	27.405	Horizontal **	886.60 MHz	7.4	29.10	2.78	0.00 (3)	39.2 (2)	46.0	**11.0**
30-1000MHz	27.405	Vertical **	128.01 MHz	8.8	16.70	0.99	0.00 (3)	26.5 (2)	43.5	**10.5**
30-1000MHz	27.405	Vertical **	139.62 MHz	8.6	16.50	0.99	0.00 (3)	26.1 (2)	43.5	**4.5**
30-1000MHz	27.405	Vertical **	139.89 MHz	6.7	16.50	0.99	0.00 (3)	24.2 (2)	43.5	**n/a**
30-1000MHz	27.405	Vertical **	407.10 MHz	5.4	21.50	1.91	0.00 (3)	28.8 (2)	46.0	**n/a**
30-1000MHz	27.405	Vertical **	407.80 MHz	9.4	21.50	1.91	0.00 (3)	32.8 (2)	46.0	**10.5**
30-1000MHz	27.405	Vertical **	867.70 MHz	7.9	29.40	2.78	0.00 (3)	40.1 (2)	46.0	**6.8**
30-1000MHz	27.405	Vertical **	884.50 MHz	8.2	29.20	2.78	0.00 (3)	40.1 (2)	46.0	**11.0**
30-1000MHz	27.405	Vertical **	885.20 MHz	3.6	29.10	2.78	0.00 (3)	35.5 (2)	46.0	**10.5**
30-1000MHz	27.405	Vertical **	926.50 MHz	3.9	30.00	2.92	0.00 (3)	36.8 (2)	46.0	**4.5**
								Results:	**Complies**	

(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

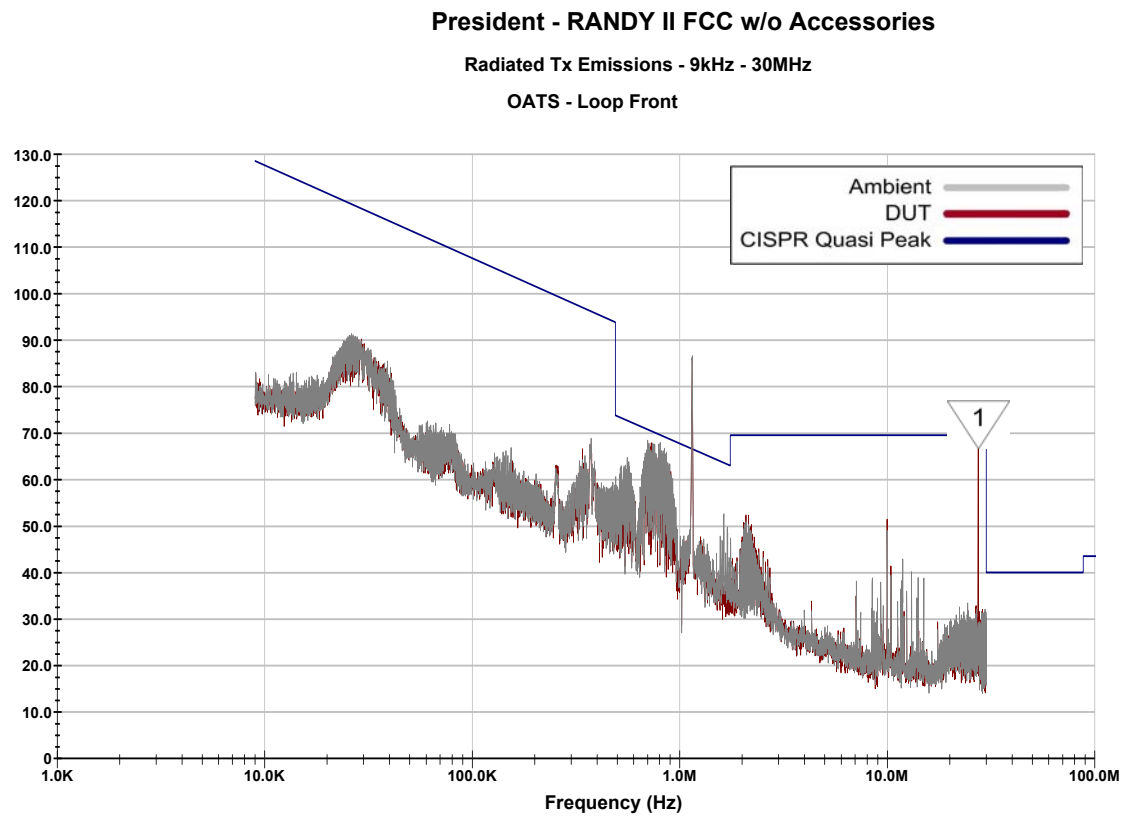
(3) External Amplier not used

$E_{Corr} = E_{Meas} + ACF^E + L_C - G_A$

Where ACF^E is the Electric Antenna Correction Factor

* Without Manufacturer's Accessories, ** With Manufacturer's Accessories

Radiated Tx Emissions:



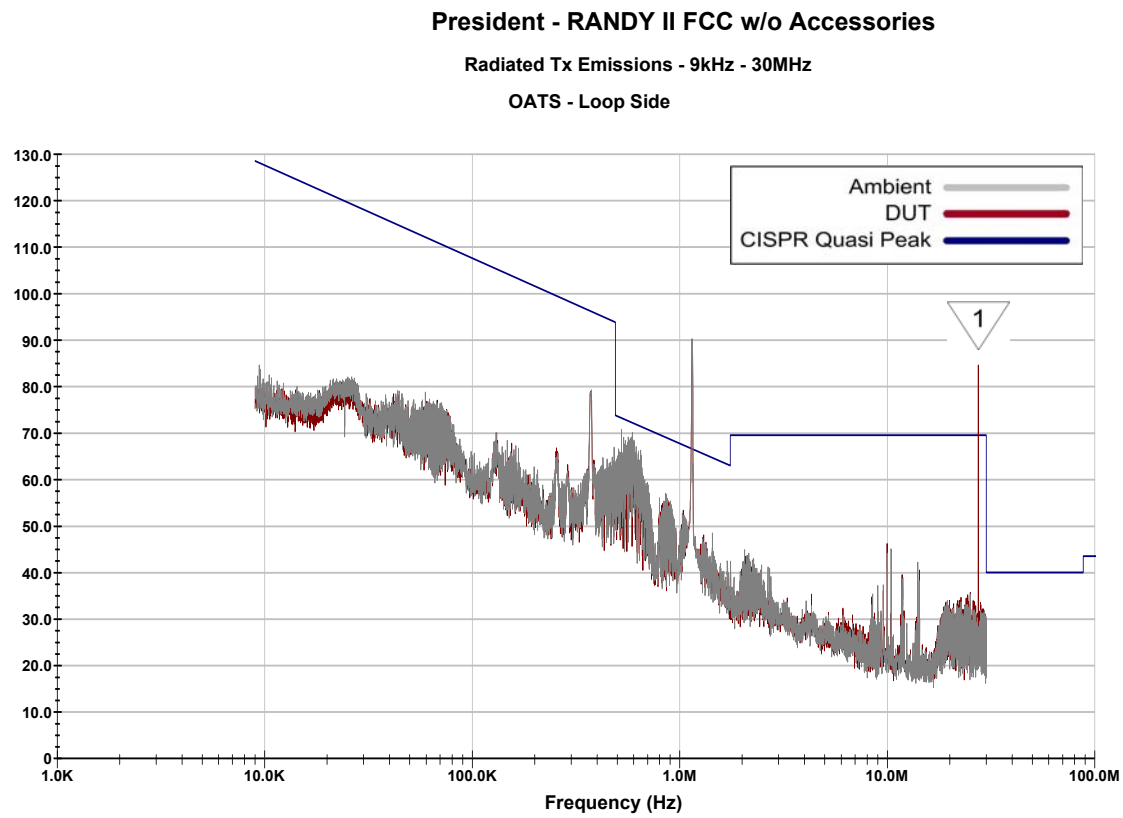
12:03:20 PM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Front	ND	ND

Marker 1: Fundamental

Radiated Tx Emissions:



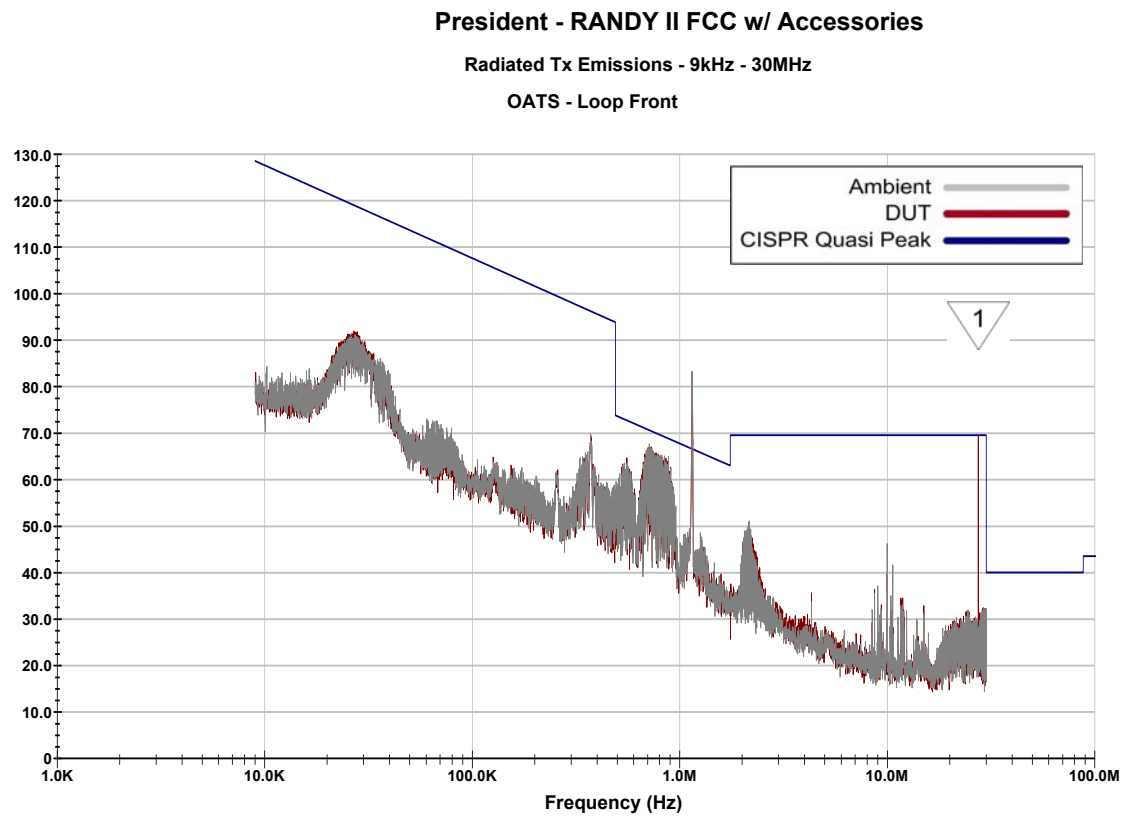
12:03:20 PM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Side	ND	ND

Marker 1: Fundamental

Radiated Tx Emissions:



12:34:41 PM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Front	ND	ND

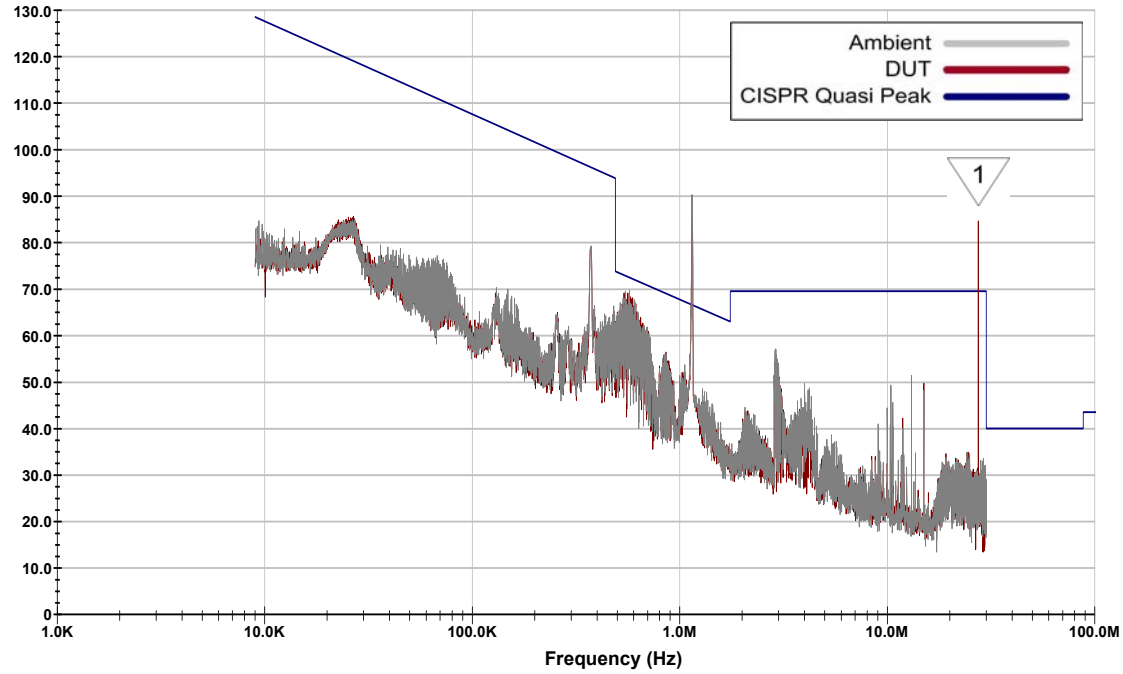
Marker 1: Fundamental

Radiated Tx Emissions:

President - RANDY II FCC w/ Accessories

Radiated Tx Emissions - 9kHz - 30MHz

OATS - Loop Side



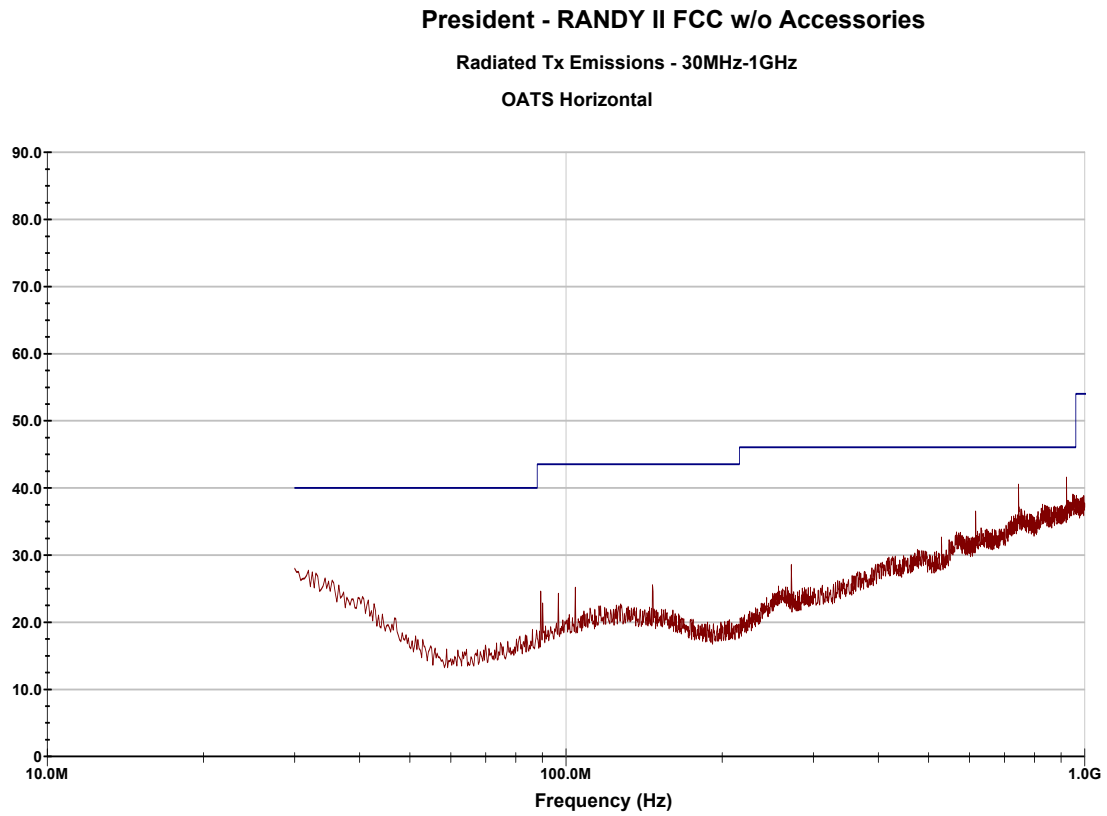
12:34:41 PM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Side	ND	ND

Marker 1: Fundamental

Radiated Tx Emissions:

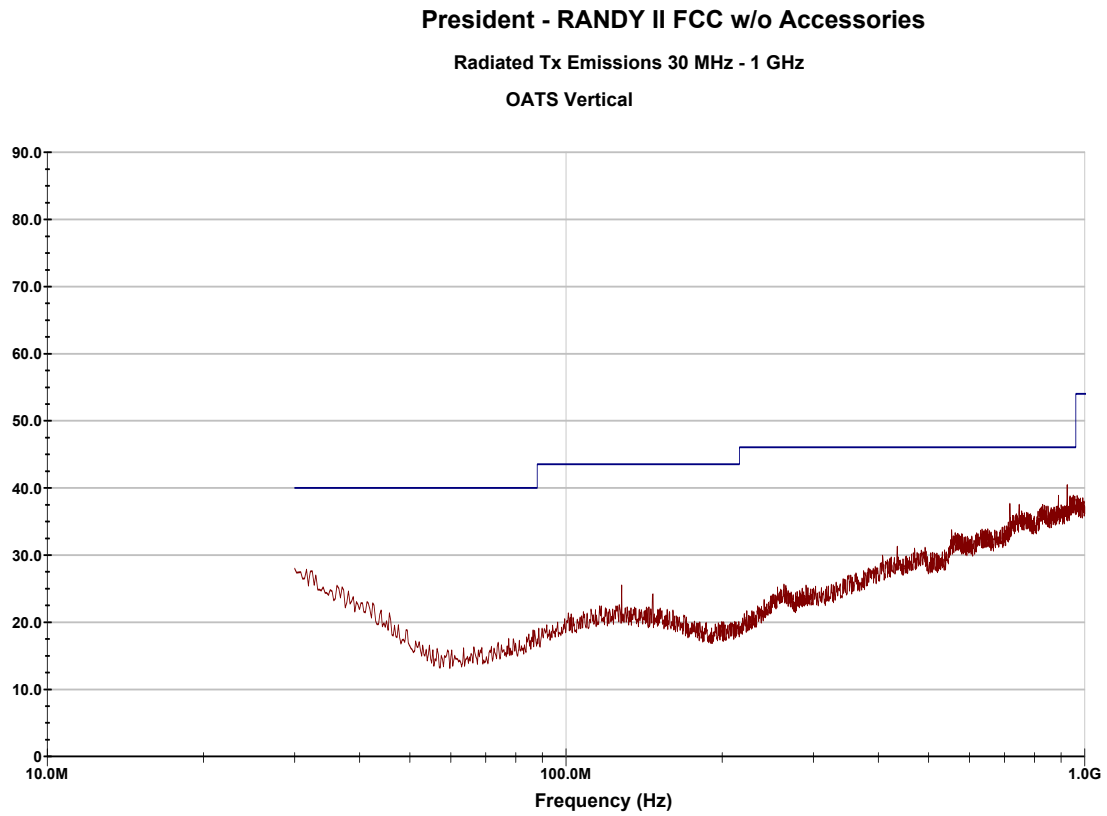


11:16:48 AM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Horizontal	-	-

Radiated Tx Emissions:



11:16:48 AM, Friday, February 25, 2022

Profile Build: 2020.10.19

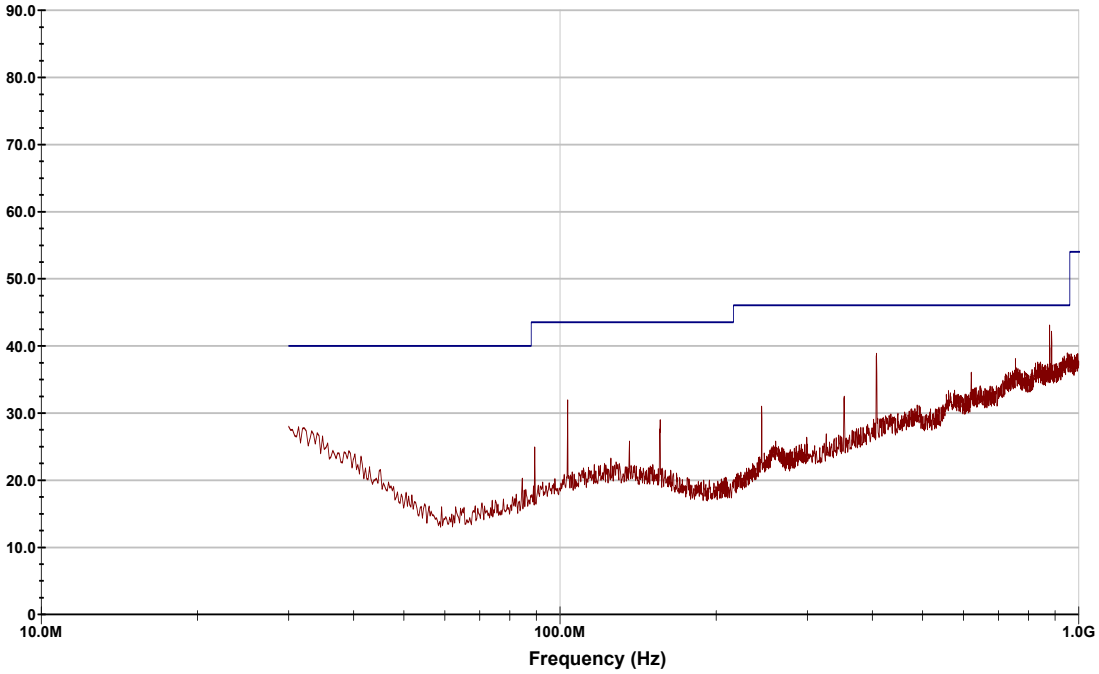
Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Vertical	-	-

Radiated Tx Emissions:

President - RANDY II FCC - w/ Accessories

Radiated Tx Emissions - 30MHz-1GHz

OATS Horizontal



11:48:05 AM, Thursday, February 24, 2022

Profile Build: 2020.10.19

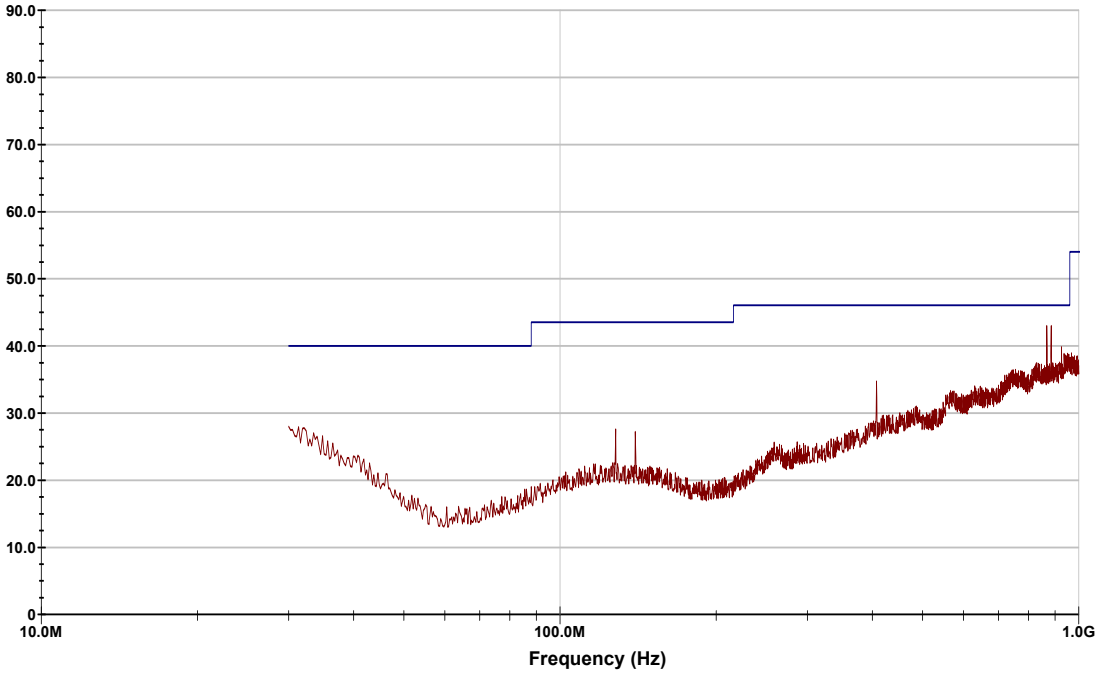
Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Horizontal	-	-

Radiated Tx Emissions:

President - RANDY II FCC - w/ Accessories

Radiated Tx Emissions 30 MHz - 1 GHz

OATS Vertical



11:48:05 AM, Thursday, February 24, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Vertical	-	-

Summary of Radiated Tx Emissions (AM)

Measured Frequency Range (MHz)	Channel Frequency (MHz)	Antenna Polarization	Emission Frequency	Measured Emission [E_{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L_C] (dB)	Amplifier Gain [G_A] (dB)	Corrected Emission [E_{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
9kHz - 30MHz	27.405	Front	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.405	Side	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.405	Horizontal	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.405	Vertical	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
								Results:	**Complies**	

(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplier not used

$E_{Corr} = E_{Meas} + ACF^E + L_C - G_A$

Where ACF^E is the Electric Antenna Correction Factor

Summary of Radiated Tx Emissions FM)

Measured Frequency Range (MHz)	Channel Frequency (MHz)	Antenna Polarization	Emission Frequency	Measured Emission [E_{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L_C] (dB)	Amplifier Gain [G_A] (dB)	Corrected Emission [E_{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
9kHz - 30MHz	27.405	Front	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
9kHz - 30MHz	27.405	Side	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.405	Horizontal	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
30-1000MHz	27.405	Vertical	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	**n/a**
								Results:	**Complies**	

(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

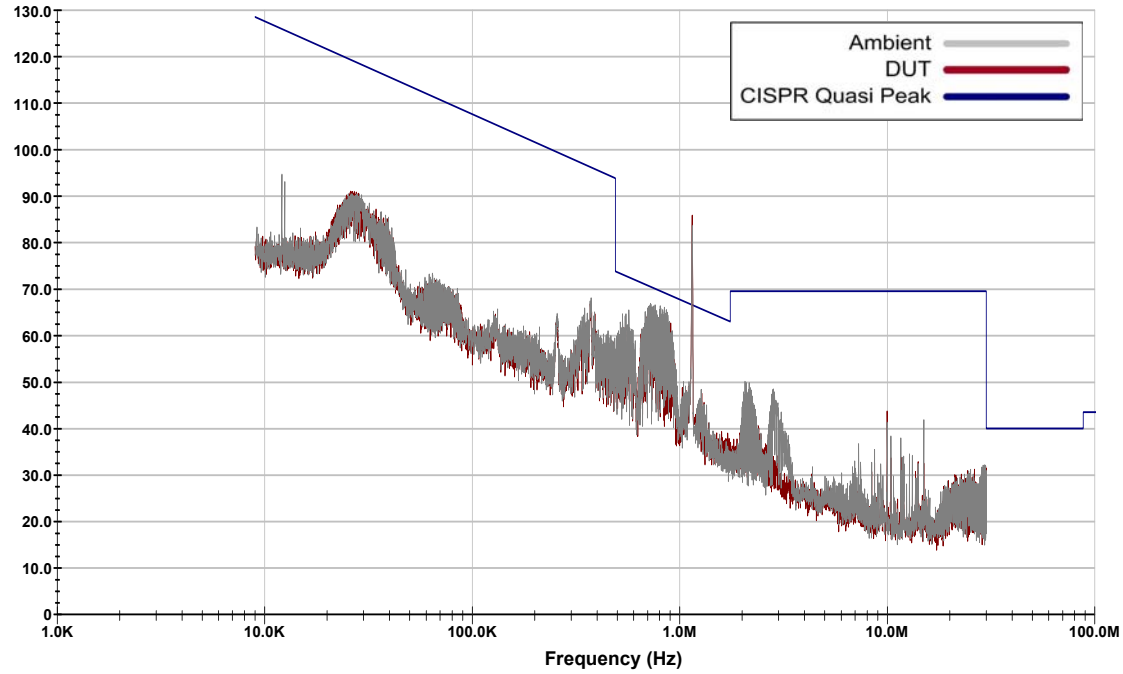
(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplier not used

$E_{Corr} = E_{Meas} + ACF^E + L_C - G_A$

Where ACF^E is the Electric Antenna Correction Factor

Radiated Rx Emissions:

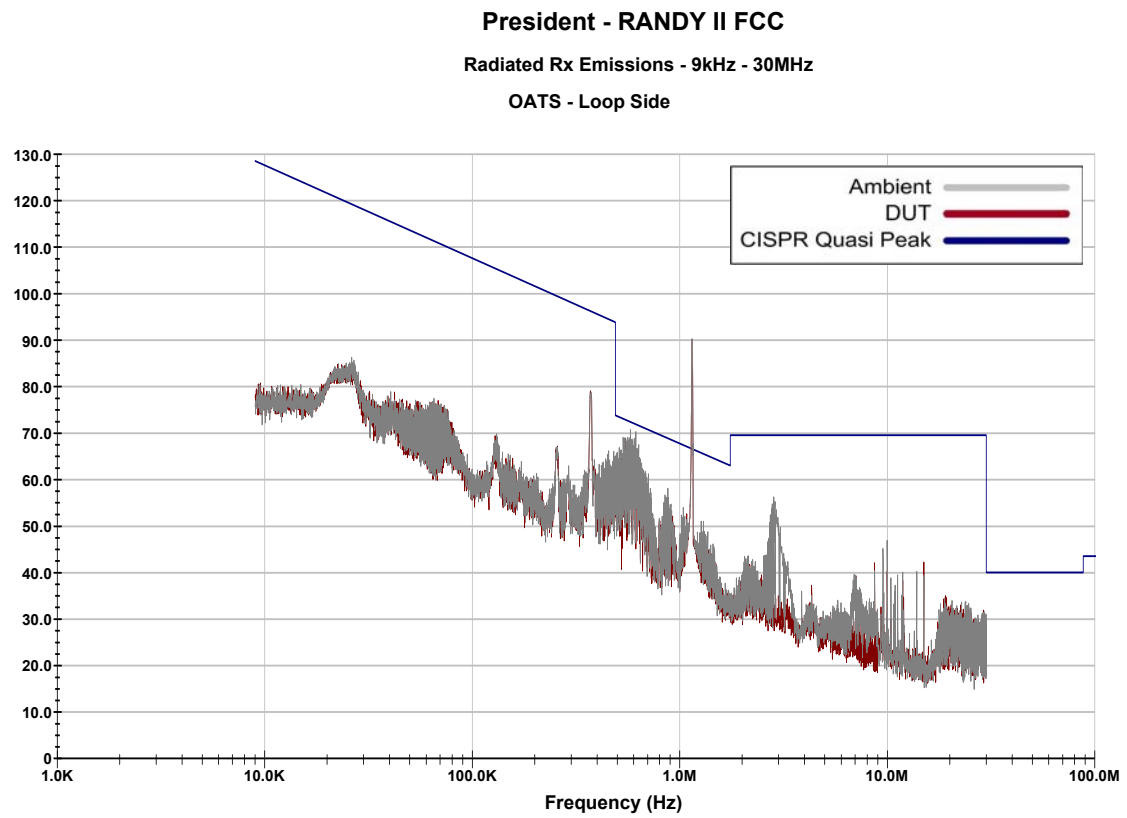


01:27:25 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Front	ND	ND

Radiated Rx Emissions:

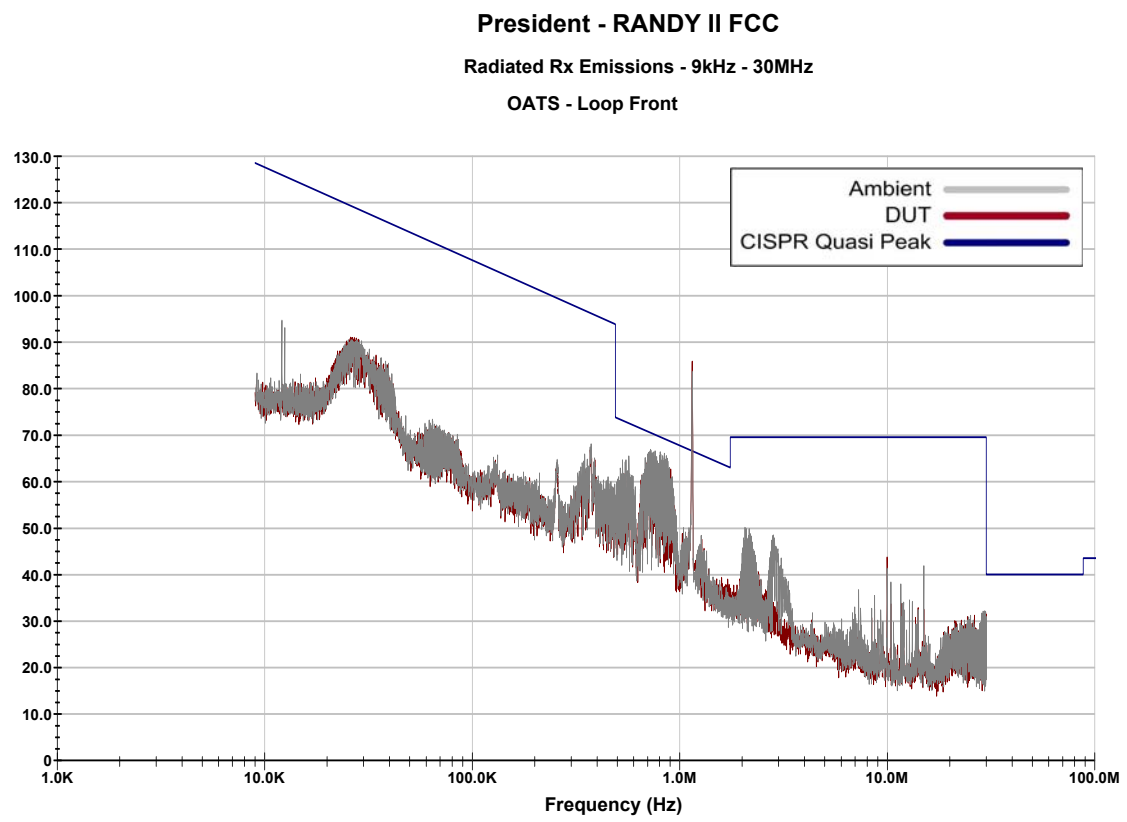


01:27:25 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Side	ND	ND

Radiated Rx Emissions:



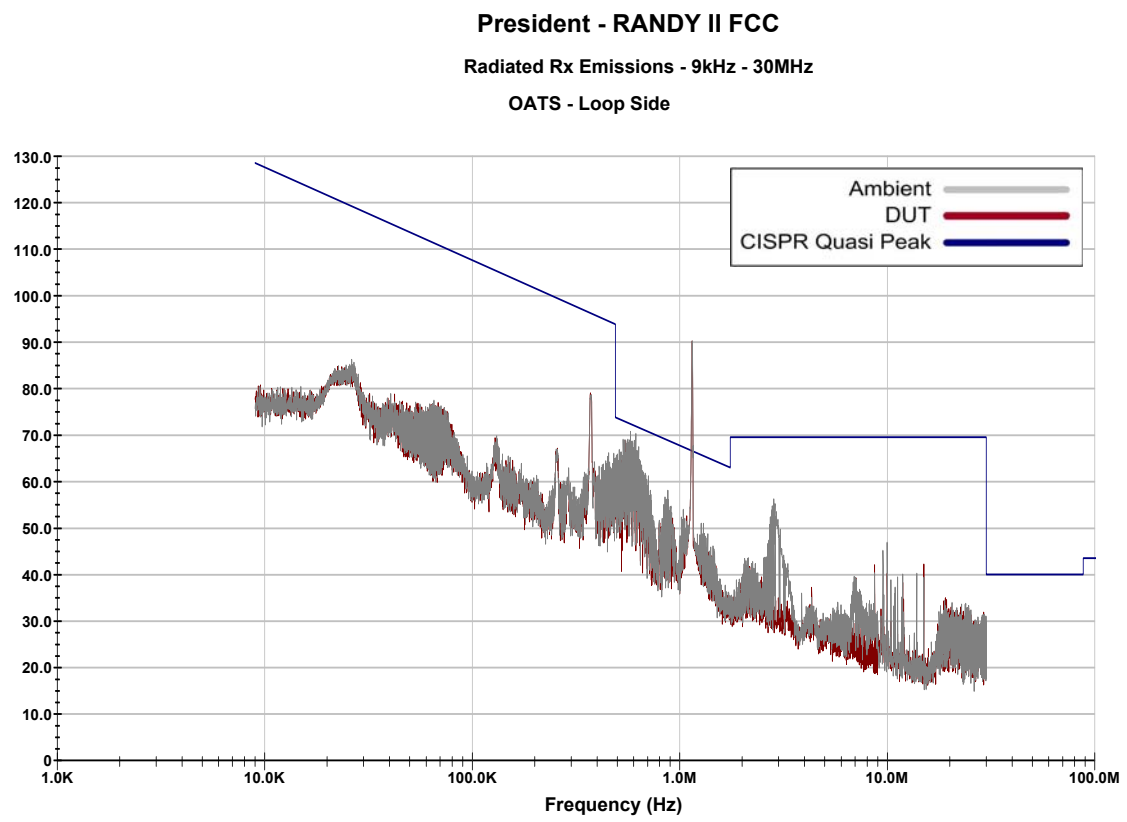
12:39:28 PM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Front	ND	ND

Marker 1: Fundamental

Radiated Rx Emissions:



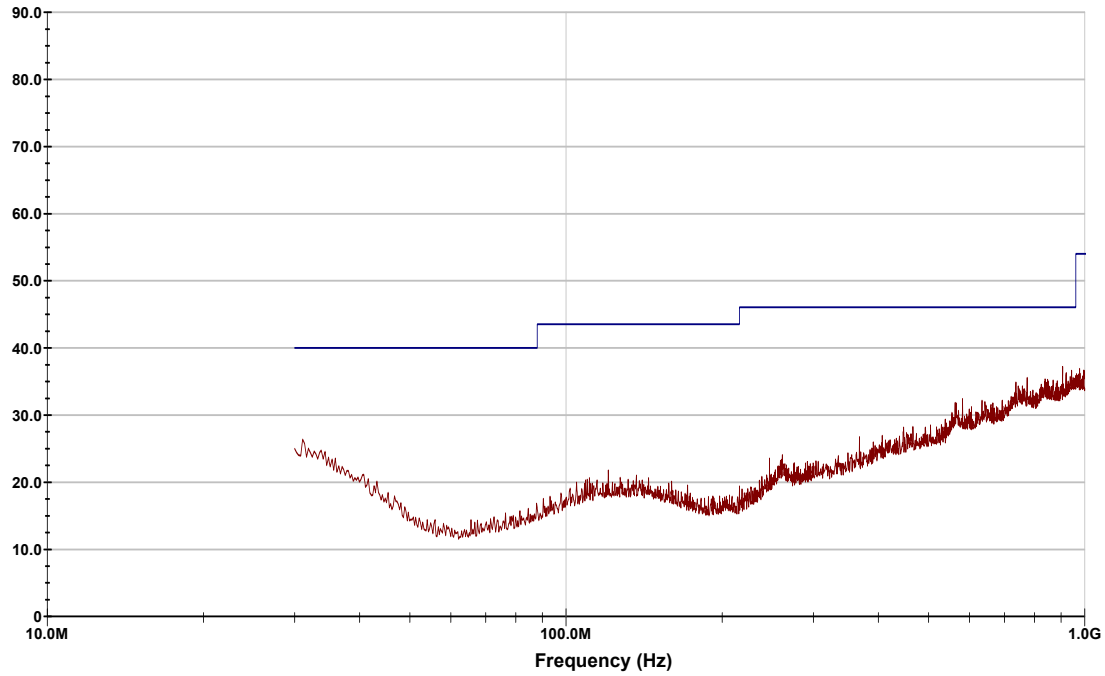
12:39:28 PM, Friday, February 25, 2022

Profile Build: 2020.10.19

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Side	ND	ND

Marker 1: Fundamental

Radiated Rx Emissions:

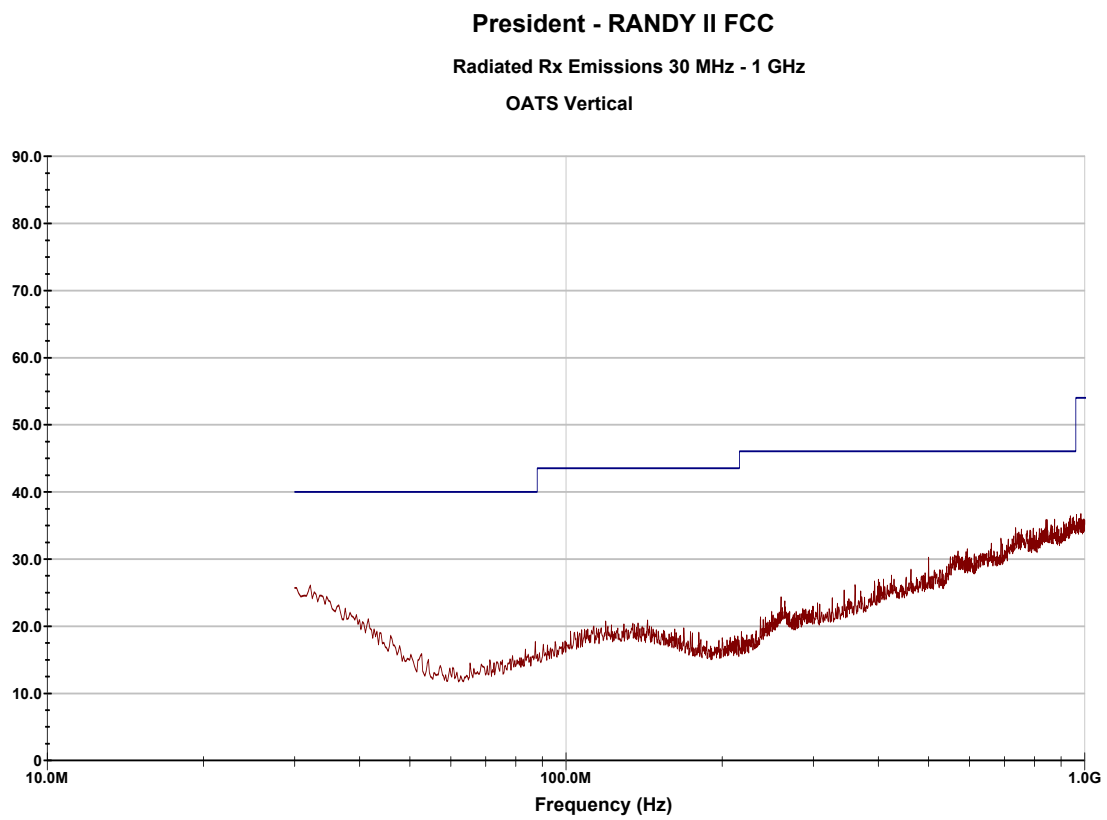


01:32:01 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.01

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Horizontal	ND	ND

Radiated Rx Emissions:

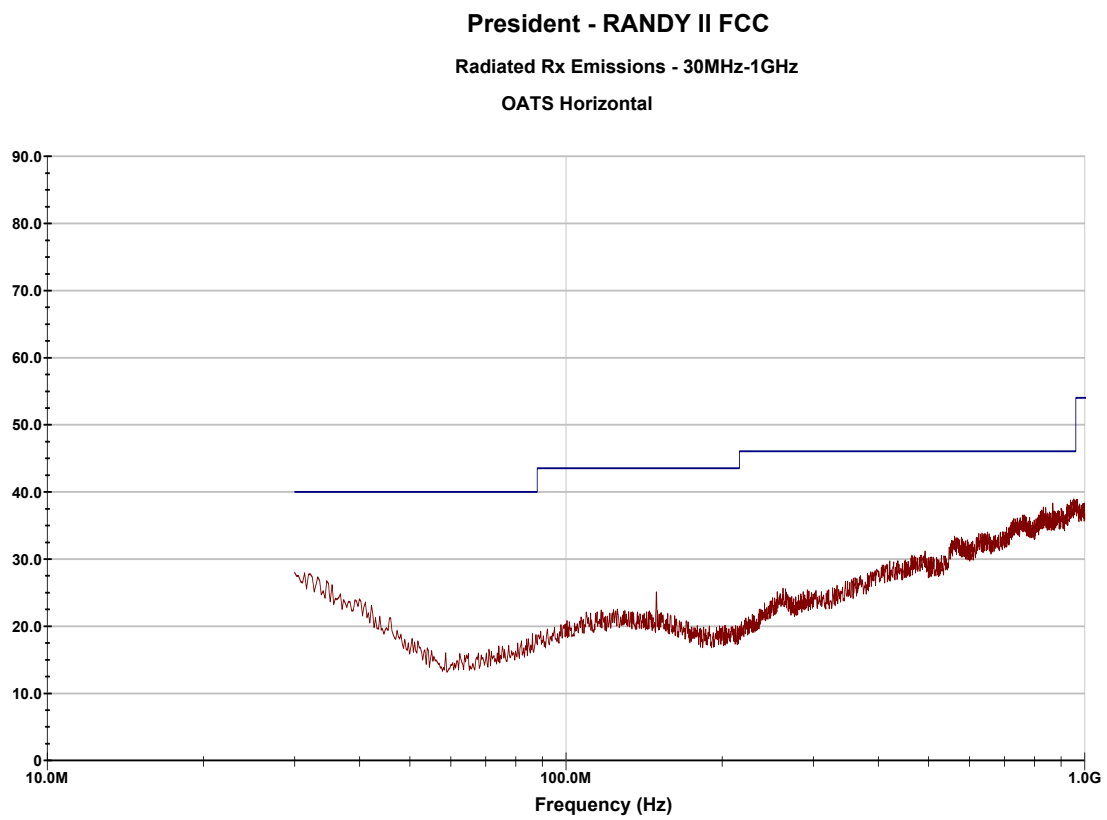


01:32:01 PM, Tuesday, December 29, 2020

Profile Build: 2020.10.01

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
AM	Vertical	ND	ND

Radiated Rx Emissions:

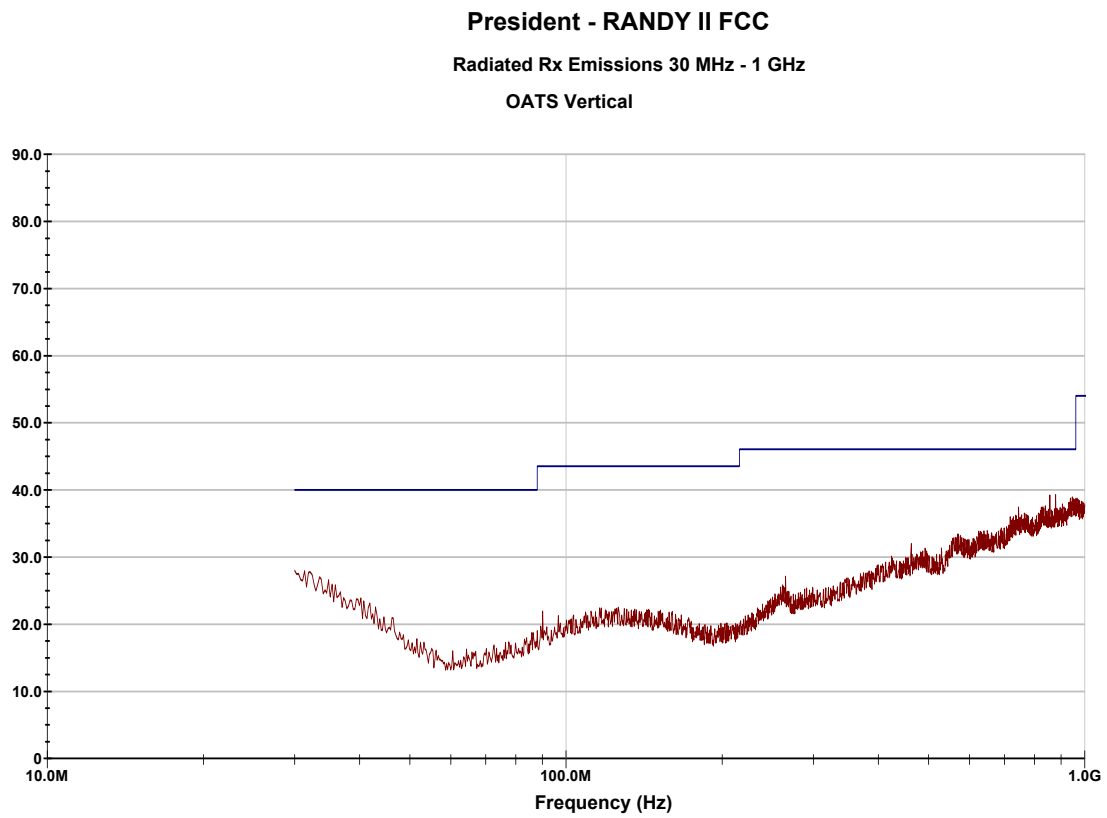


11:22:32 AM, Friday, February 25, 2022

Profile Build: 2020.10.01

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Horizontal	ND	ND

Radiated Rx Emissions:



11:22:32 AM, Friday, February 25, 2022

Profile Build: 2020.10.01

Modulation	Antenna Polarization	Emission Frequency *(MHz)*	Measured Emission *(dBm)*
FM	Vertical	ND	ND