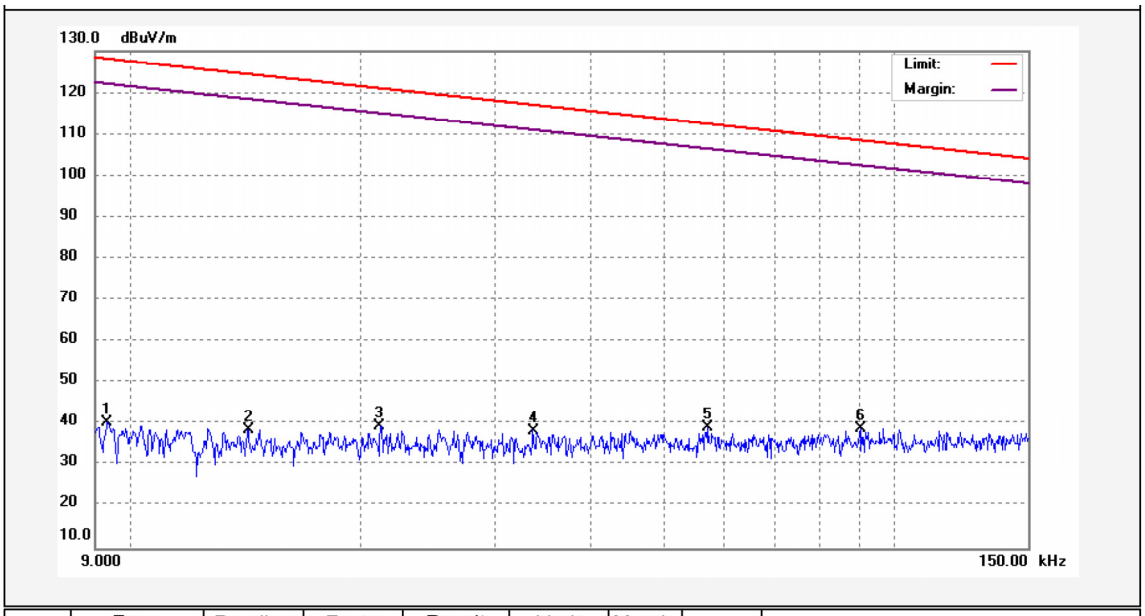
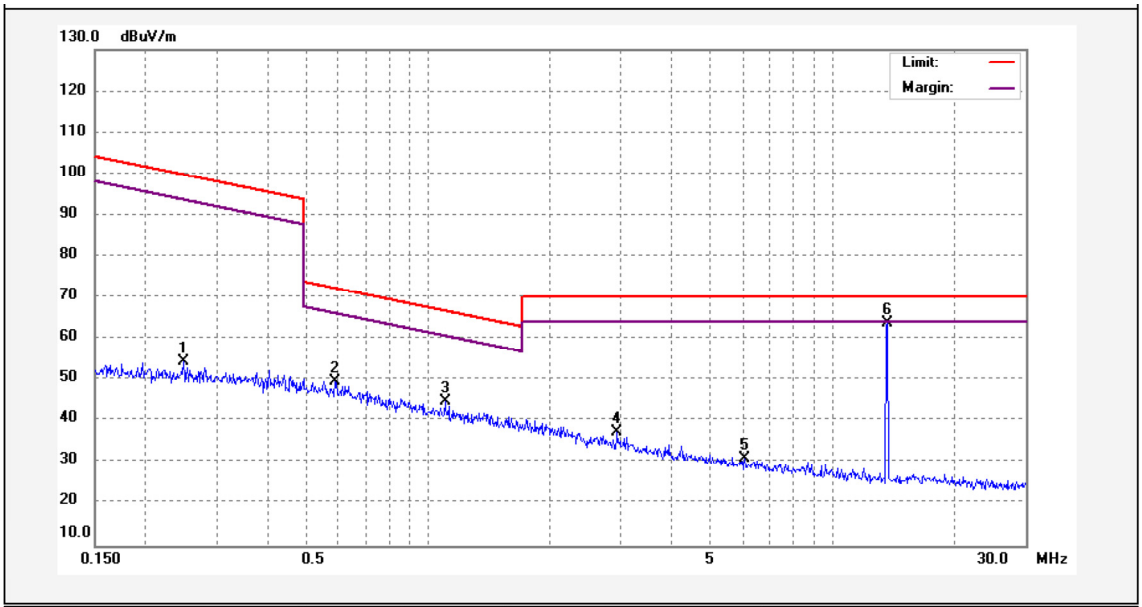
Antenna polarity: Z



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	0.0093	24.69	15.81	40.50	128.12	-87.62	peak	
2	0.0143	23.70	15.04	38.74	124.40	-85.66	peak	
3	0.0212	24.93	14.62	39.55	120.99	-81.44	peak	
4	0.0337	24.38	14.12	38.50	116.99	-78.49	peak	
5	0.0571	25.12	14.18	39.30	112.43	-73.13	peak	
6	0.0904	24.53	14.31	38.84	108.45	-69.61	peak	

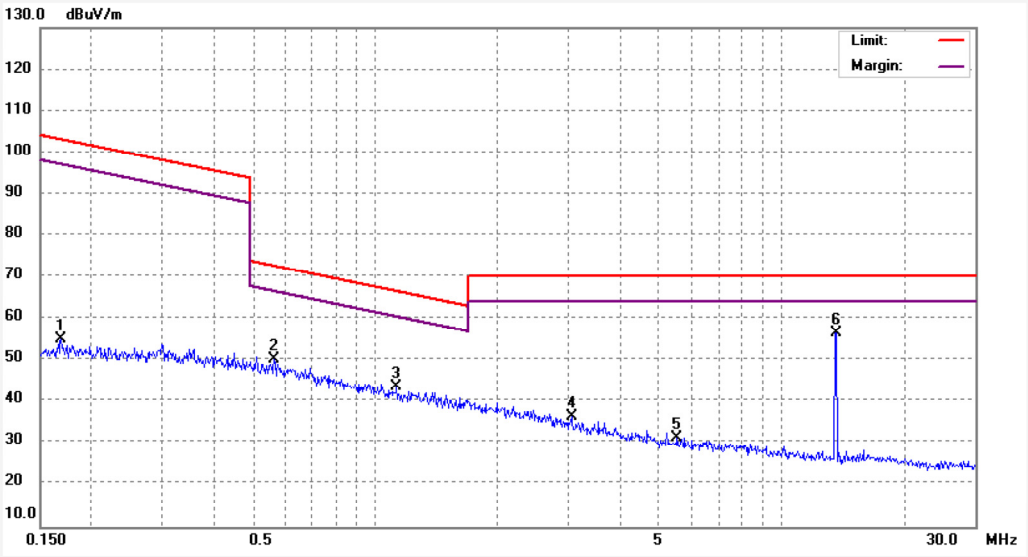
Test Frequency: 150kHz ~30MHz

Antenna polarity: X



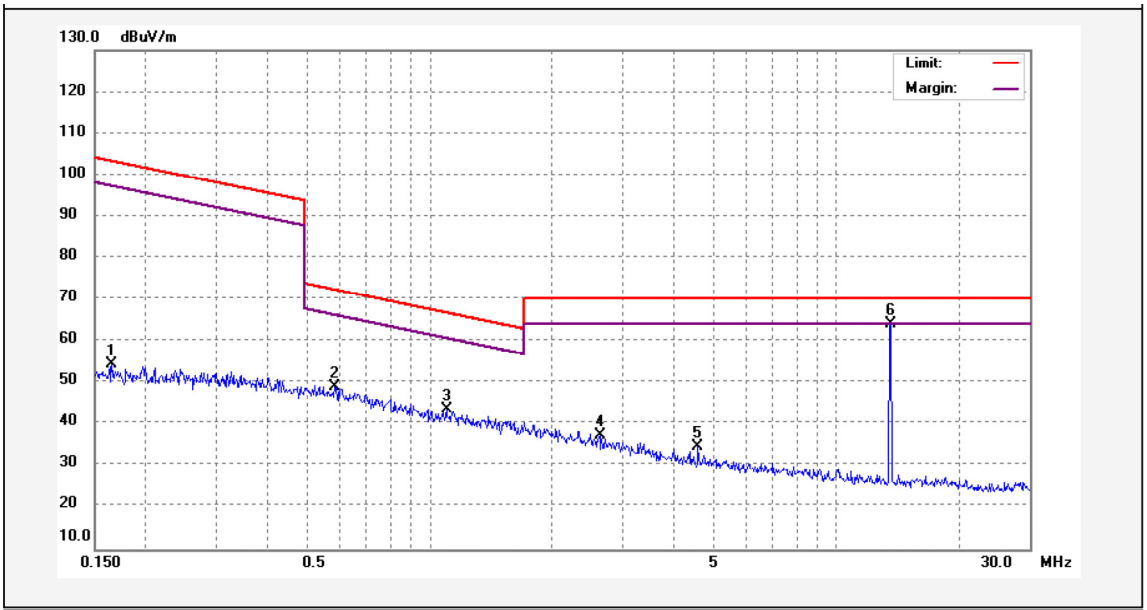
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	0.2481	40.08	14.35	54.43	99.72	-45.29	peak	
2	0.5885	35.49	14.30	49.79	72.21	-22.42	peak	
3	1.0997	31.17	13.84	45.01	66.80	-21.79	peak	
4	2.9307	23.60	13.97	37.57	70.00	-32.43	peak	
5	6.0562	17.47	13.81	31.28	70.00	-38.72	peak	
6	13.6228	51.08	12.78	63.86	70.00	-6.14	peak	

Antenna polarity: Y



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	0.1685	40.63	14.43	55.06	103.08	-48.02	peak	
2	0.5641	36.08	14.30	50.38	72.58	-22.20	peak	
3	1.1292	29.92	13.85	43.77	66.57	-22.80	peak	
4	3.0414	22.54	13.94	36.48	70.00	-33.52	peak	
5	5.5347	17.68	13.78	31.46	70.00	-38.54	peak	
6	13.6228	44.00	12.78	56.78	70.00	-13.22	peak	

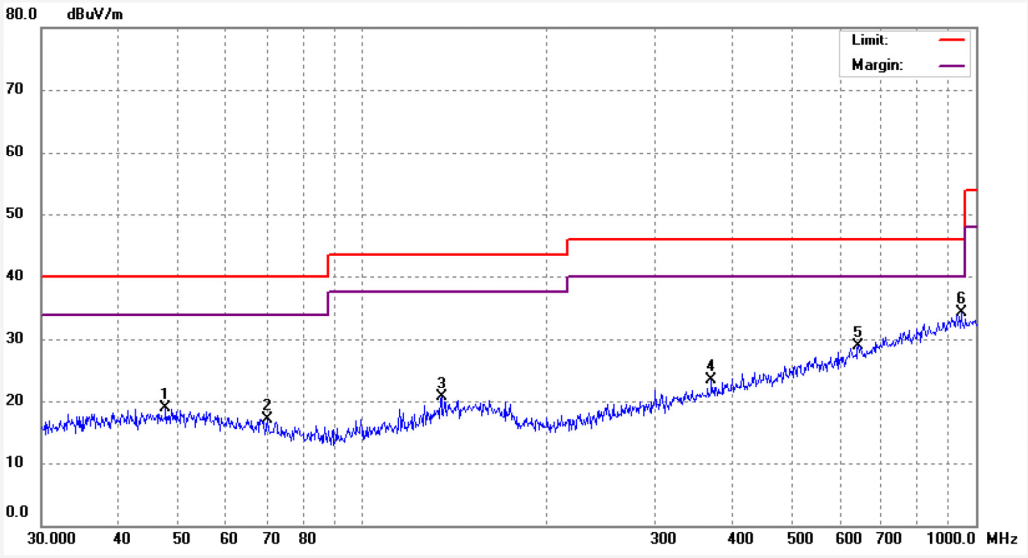
Antenna polarity: Z



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	0.1650	40.24	14.43	54.67	103.27	-48.60	peak	
2	0.5854	34.89	14.30	49.19	72.26	-23.07	peak	
3	1.0997	29.88	13.84	43.72	66.80	-23.08	peak	
4	2.6221	23.31	14.04	37.35	70.00	-32.65	peak	
5	4.5736	21.02	13.73	34.75	70.00	-35.25	peak	
6	13.6228	51.24	12.78	64.02	70.00	-5.98	peak	

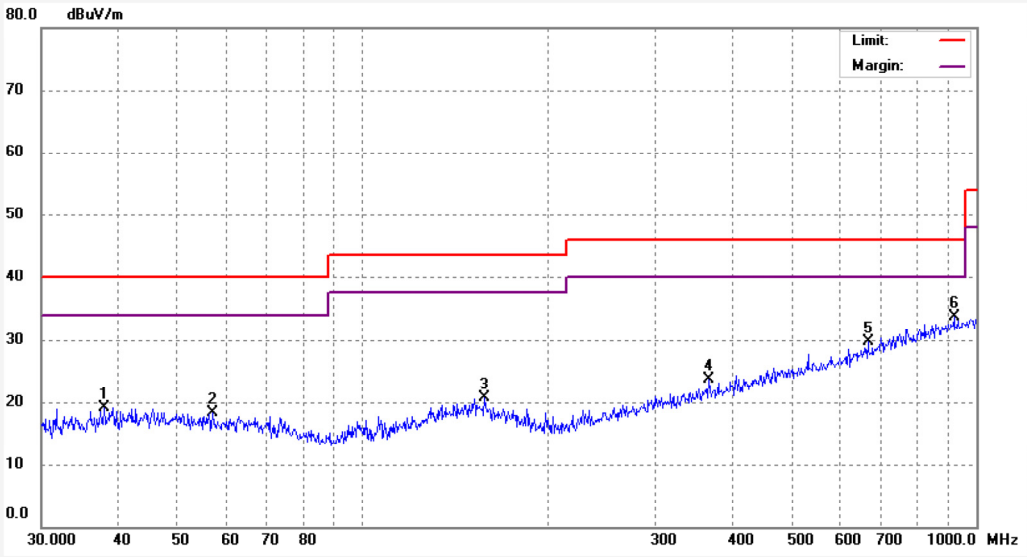
Test Frequency: 30MHz ~ 1GHz

Antenna polarity: H



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	47.8260	28.57	-9.73	18.84	40.00	-21.16	peak	
2	70.0903	28.76	-11.56	17.20	40.00	-22.80	peak	
3	134.5592	29.31	-8.62	20.69	43.50	-22.81	peak	
4	370.7023	29.93	-6.44	23.49	46.00	-22.51	peak	
5	642.8613	29.74	-0.78	28.96	46.00	-17.04	peak	
6	945.4399	29.80	4.44	34.24	46.00	-11.76	peak	

Antenna polarity: V



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	37.9450	29.18	-10.00	19.18	40.00	-20.82	peak	
2	56.9912	28.58	-10.34	18.24	40.00	-21.76	peak	
3	158.1123	28.84	-8.14	20.70	43.50	-22.80	peak	
4	366.8231	30.26	-6.54	23.72	46.00	-22.28	peak	
5	665.8035	29.87	-0.24	29.63	46.00	-16.37	peak	
6	919.2866	29.58	4.05	33.63	46.00	-12.37	peak	

9 Frequency tolerance

Test Requirement: 47 CFR Part 15 Subpart C Section 15.225(e)

Test Method: ANSI C63.10-2020

9.1 Limit

The frequency tolerance of the carrier signal shall be maintained within ±0.01% of the operating frequency over a temperature variation of −20 degrees to + 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment,
the equipment tests shall be performed using a new battery.

Limit: ±0.01% of 13.56MHz=±1356Hz

9.2 Test Procedure

1. Set RBW = 10 kHz.
2. Set the video bandwidth (VBW) ≥RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. The transmitter output (antenna port) was connected to the spectrum analyser .

9.3 Test Result

Test Conditions			Frequency Deviation		Limit
Frequency MHz	Power(VAC)	Temperature (℃)	Measured Freq. (MHz)	Deviation (%)	
13.56	Normal	0	13.5605	0.0037	±0.01%
	Normal	10	13.5603	0.0022	
	Normal	20	13.5606	0.0044	
	Normal	30	13.5608	0.0059	
	Normal	40	13.5605	0.0037	
	Normal*85%	20	13.5609	0.0066	
	Normal *115%	20	13.5604	0.0029	

10 Bandwidth Measurement

Test Requirement: 47 CFR Part 15 Subpart C Section 15.215

10.1 Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that 20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equip compliance with the 20dB attenuation specification may base on measurement at the intentional radiator's antenna output terminal unless the intentional radiator uses a permanently attached antenna, in which case compliance shall be.deomonstrated by measuring the radiated emissions.

10.2 Test Procedure

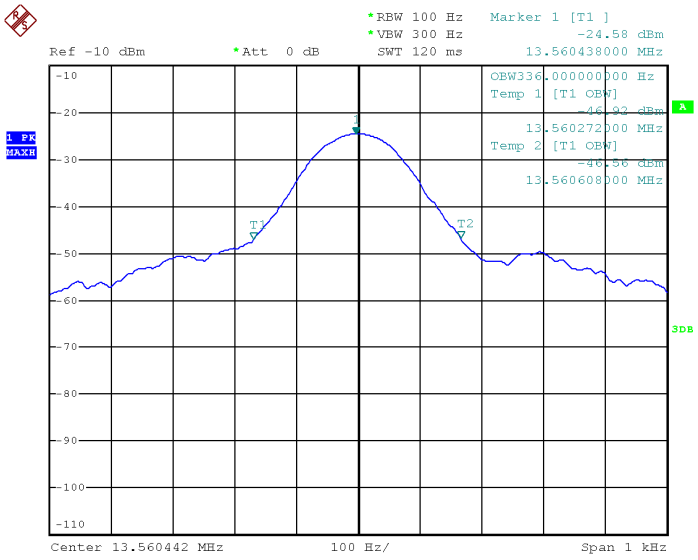
1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions;
2. The span of the analyzer shall be set to capture all products of the modulation process,including the emission skirts.
3. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

10.3 Test Result Plot:

Test Channel(MHz)	99% Bandwidth(kHz)	20dB Bandwidth Emission(kHz)
13.56	0.336	0.292

Test result plot:

99% Bandwidth



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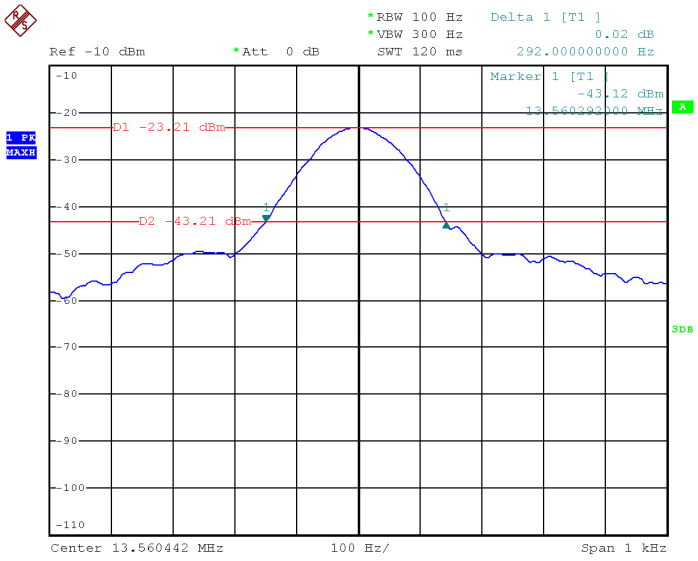
20dB Bandwidth



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11 Antenna Requirement

According to the FCC Part 15 Paragraph 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 to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Note: Please refer to EUT photos for more details.

12 Photographs of test setup and EUT

Note: Please refer to appendix: Appendix-R22-Photos.

====== End of Report ======