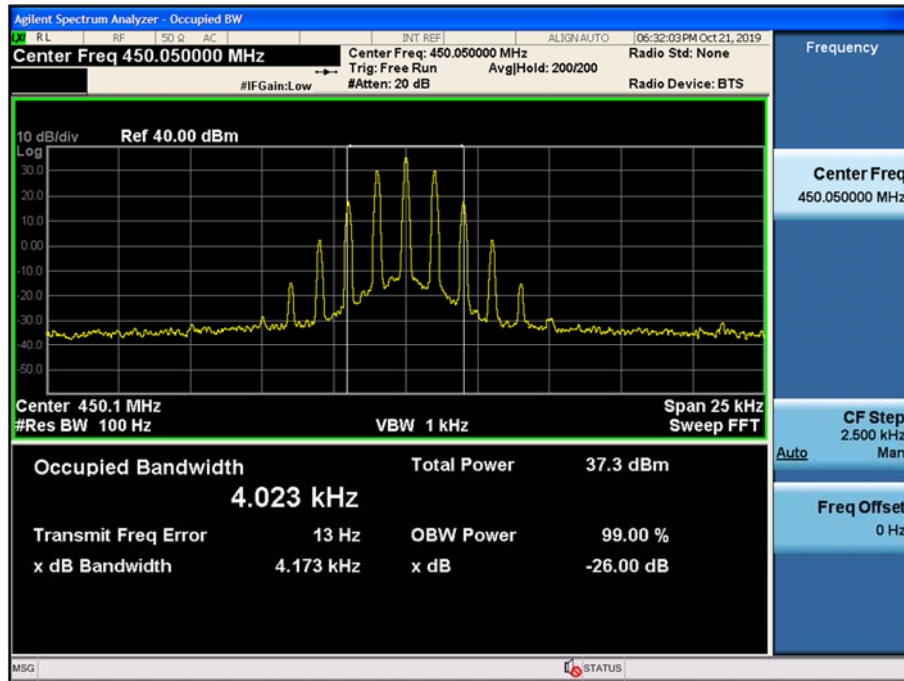
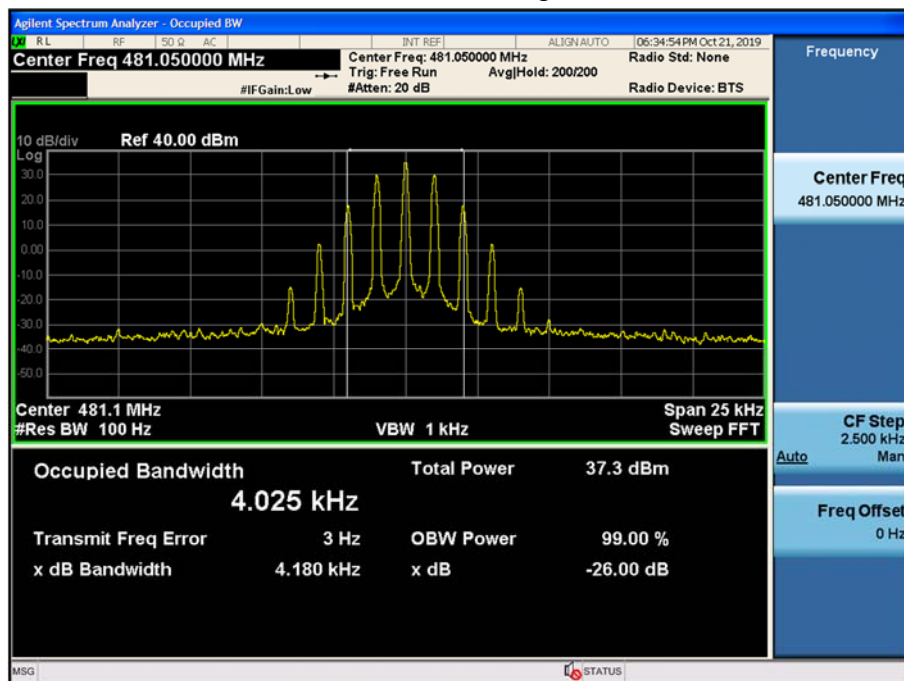


4K00F2D_FCC

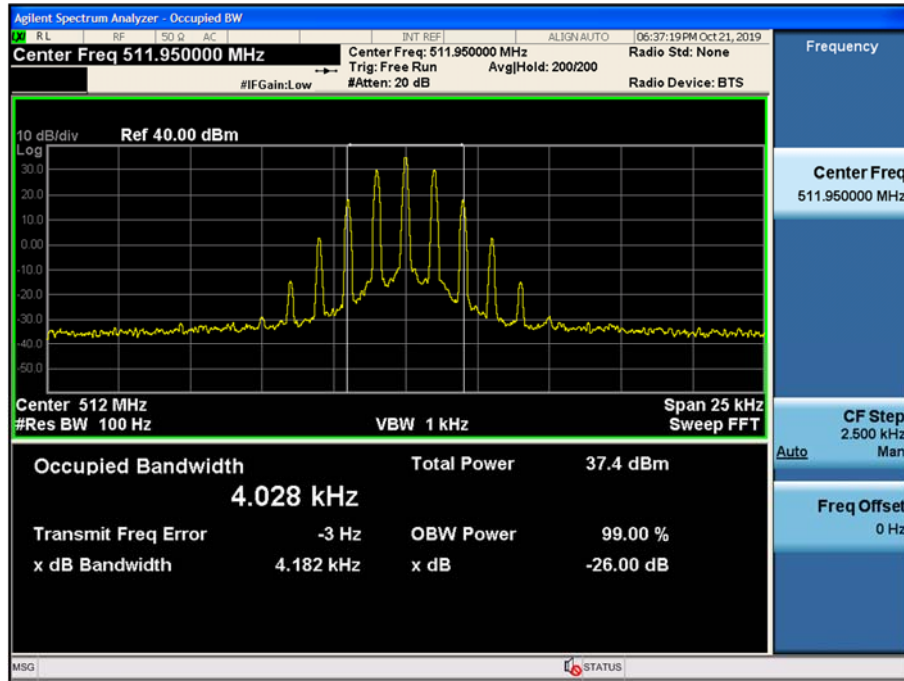
(450.05 MHz)_High



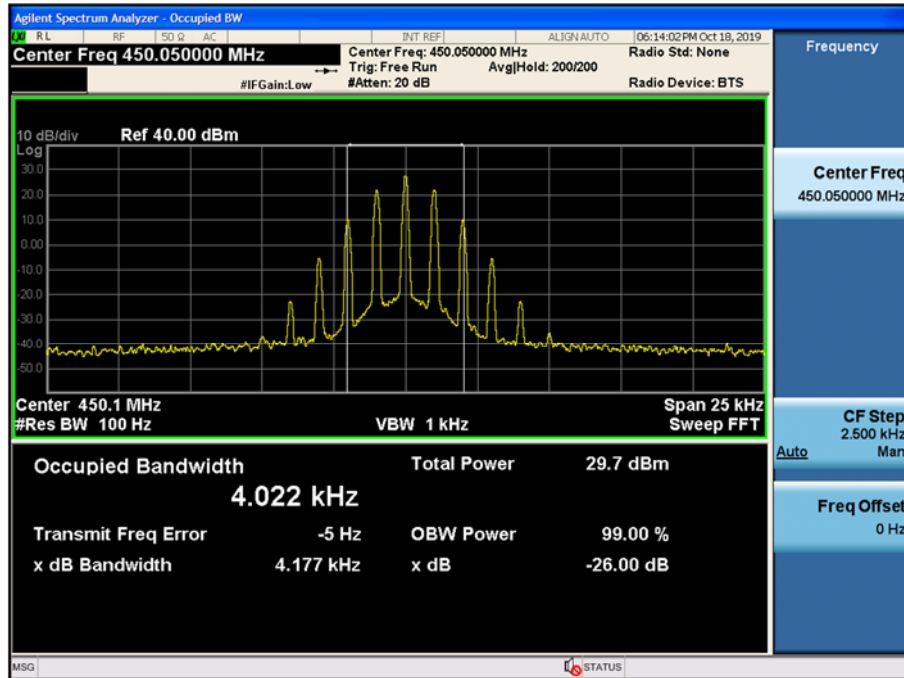
(481.05 MHz)_High



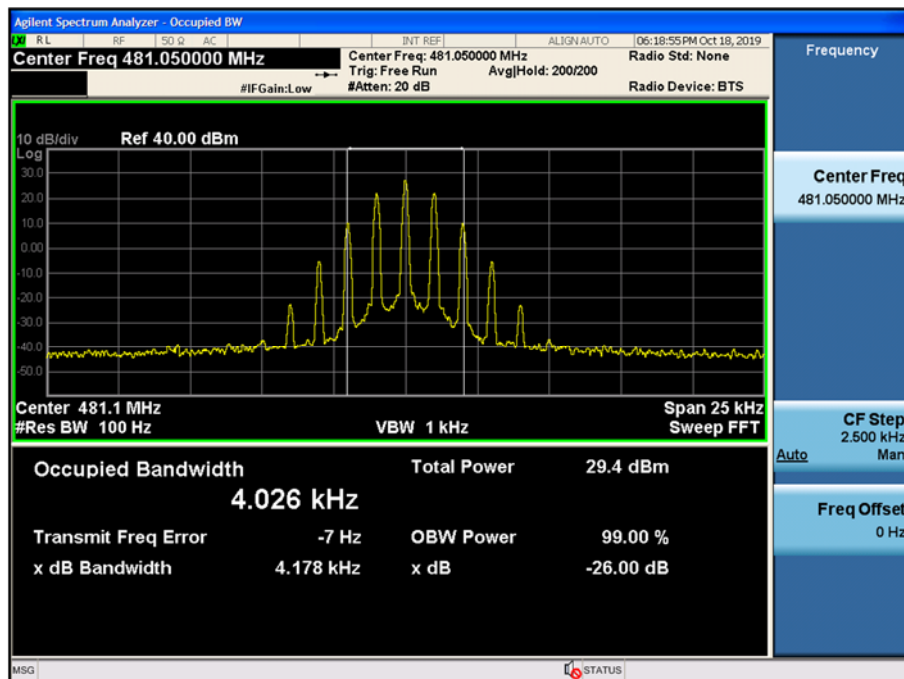
(511.95 MHz)_High



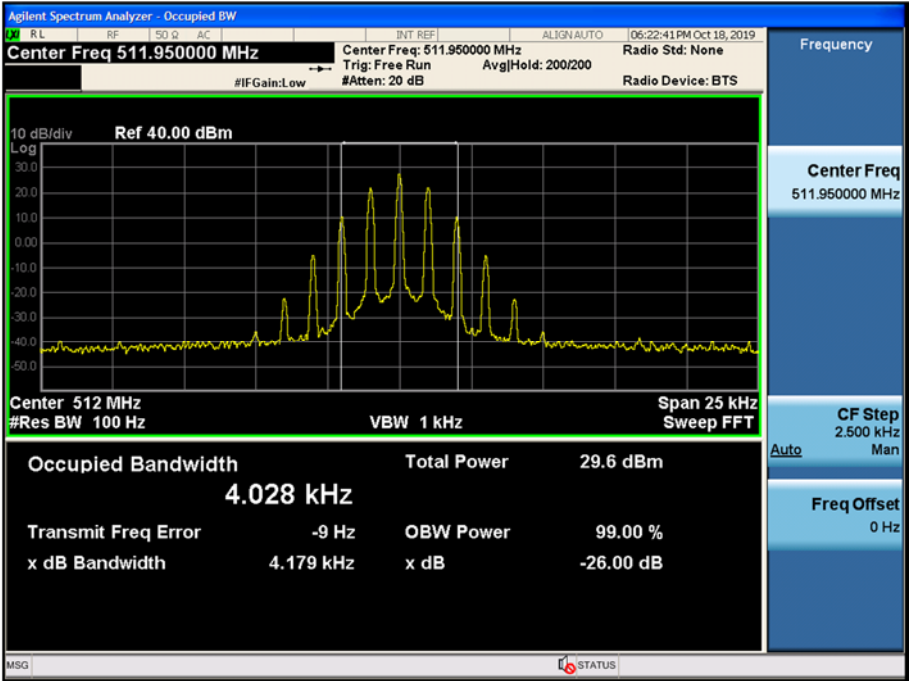
(450.05 MHz)_Low



(481.05 MHz)_Low



(511.95 MHz)_Low

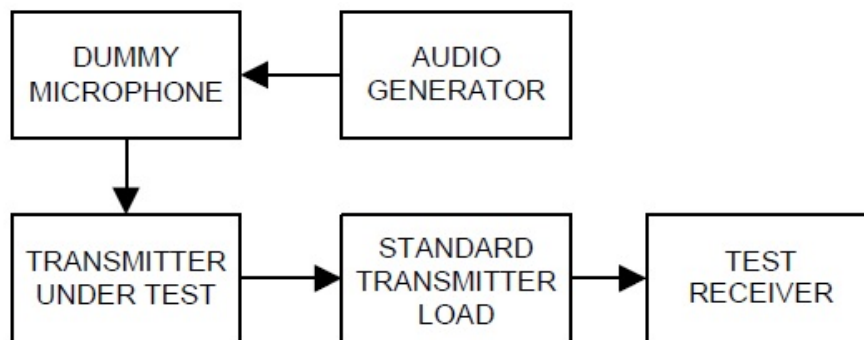


8.4 Modulation Limiting

■ Definition

Modulation limiting is the transmitter circuit's ability to limit the transmitter from producing deviations in excess of a rated system deviation.

■ TEST CONFIGURATION



■ TEST PROCEDURE

According to 2.2.3 in TIA-603-E Standard.

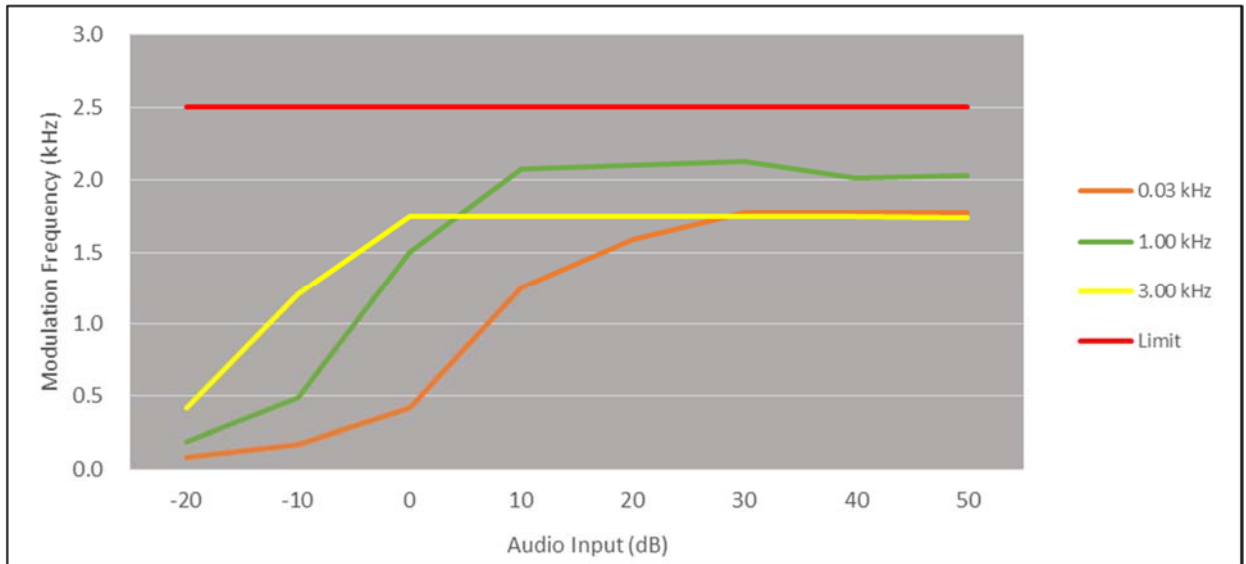
- Connect the equipment as illustrated.
- Adjust the transmitter per the manufacturer's procedure for full rated system deviation.
- Set the test receiver to measure peak positive deviation.
Set the audio bandwidth for ≤ 0.25 Hz to $\geq 15,000$ Hz.
Turn the de-emphasis function off.
- Apply a 1000 Hz modulating signal to the transmitter from the audio frequency generator, and adjust the level obtain 60% of full rated system deviation.
- Increase the level form the audio frequency generator by 20 dB in one step(rise time between the 10% and 90% points shall be 0.1 second maximum).
- Measure both the instantaneous and steady-state deviation at and after the time of increasing the audio input level.
- With the level from the audio frequency generator held constant at the level obtained in step e), Slowly vary the audio frequency from 300 Hz to 3000 Hz and observe the steady-state deviation. Record the maximum deviation.
- Set the test receiver to measure peak negative deviation and repeat steps d) through g).
- The values recorded in steps g) and h) are the modulation limiting.

TEST RESULTS (11K0F3E) _5W

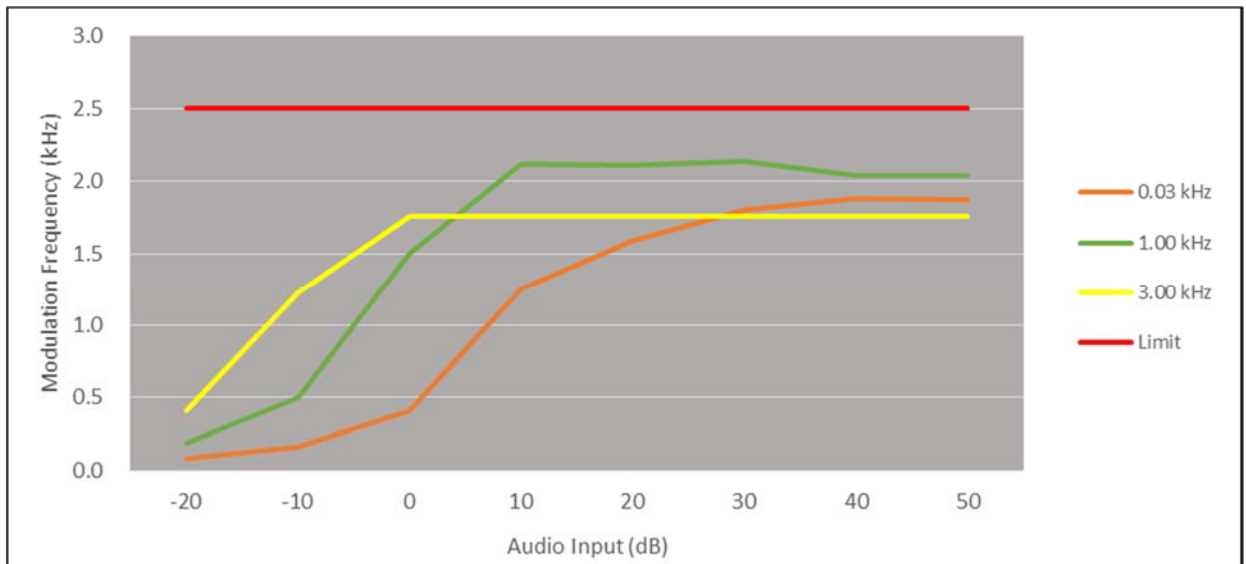
Positive Peaks

HIGH POWER

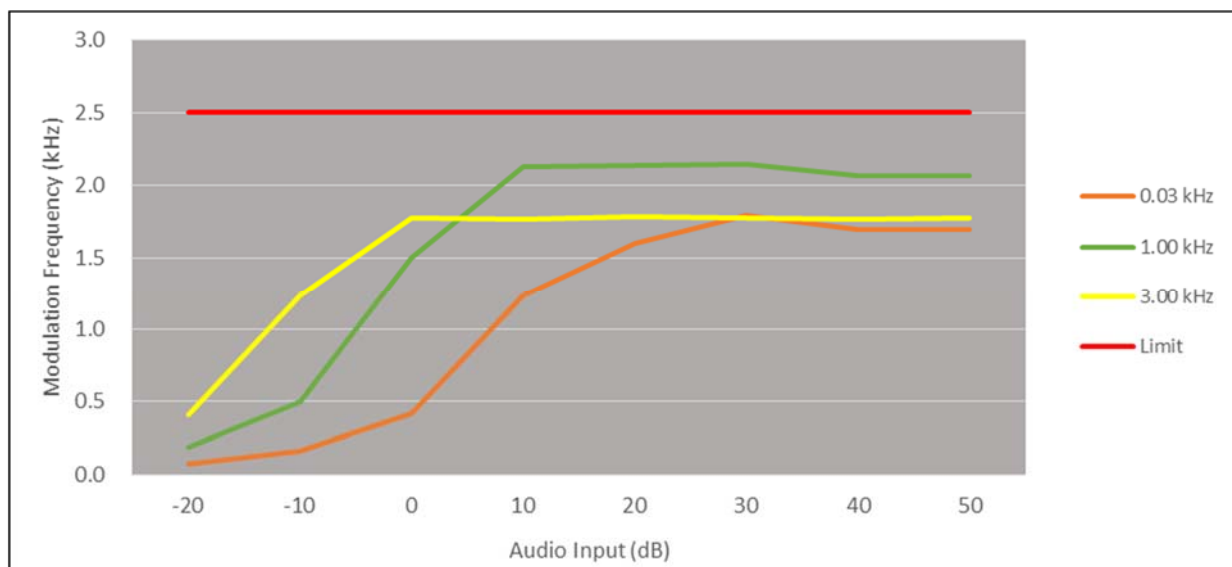
450.05 MHz



481.05 MHz

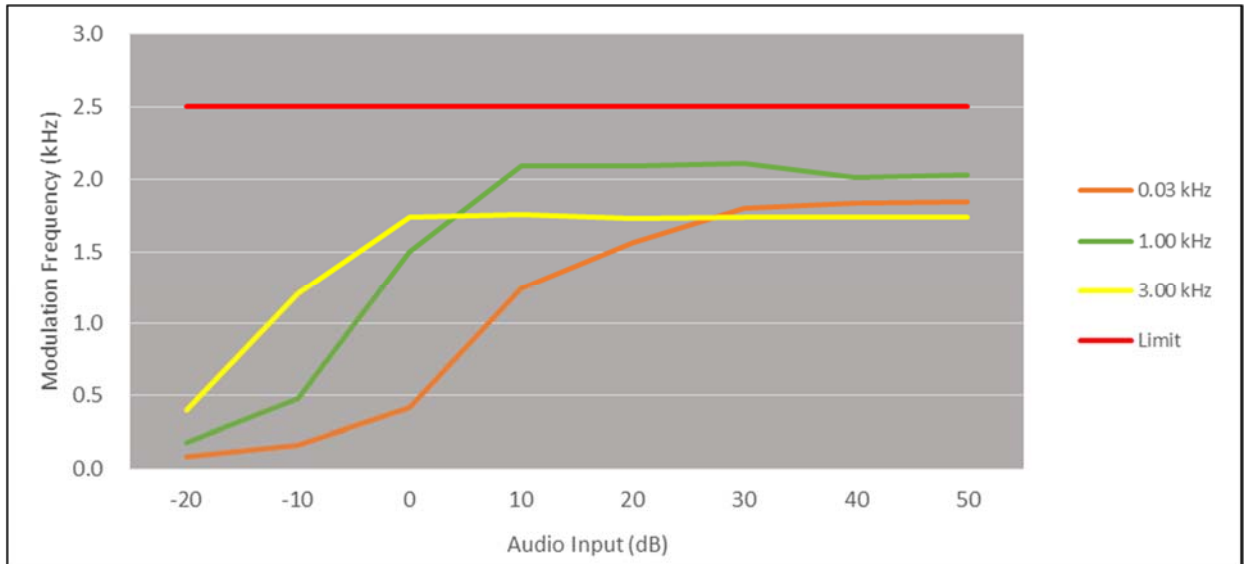


511.95 MHz

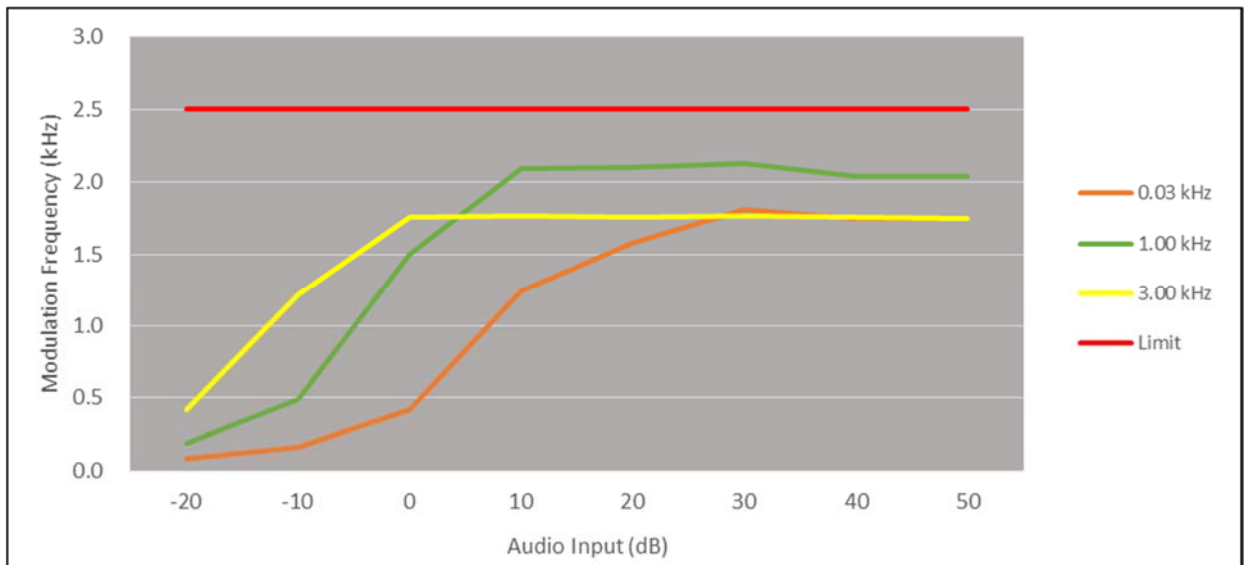


LOW POWER

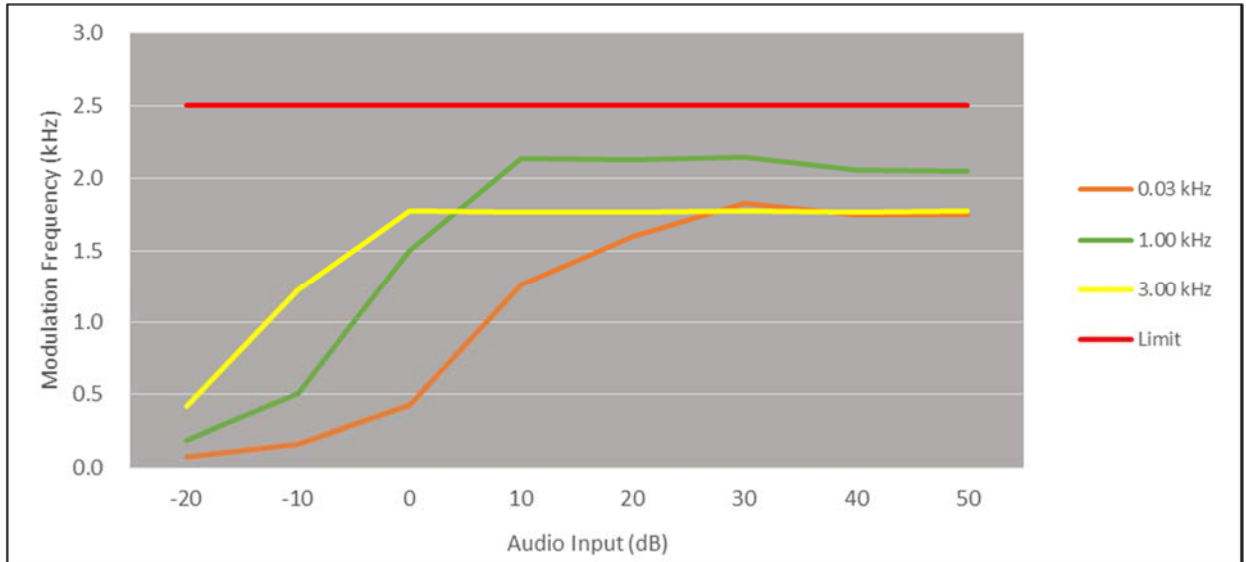
450.05 MHz



481.05 MHz



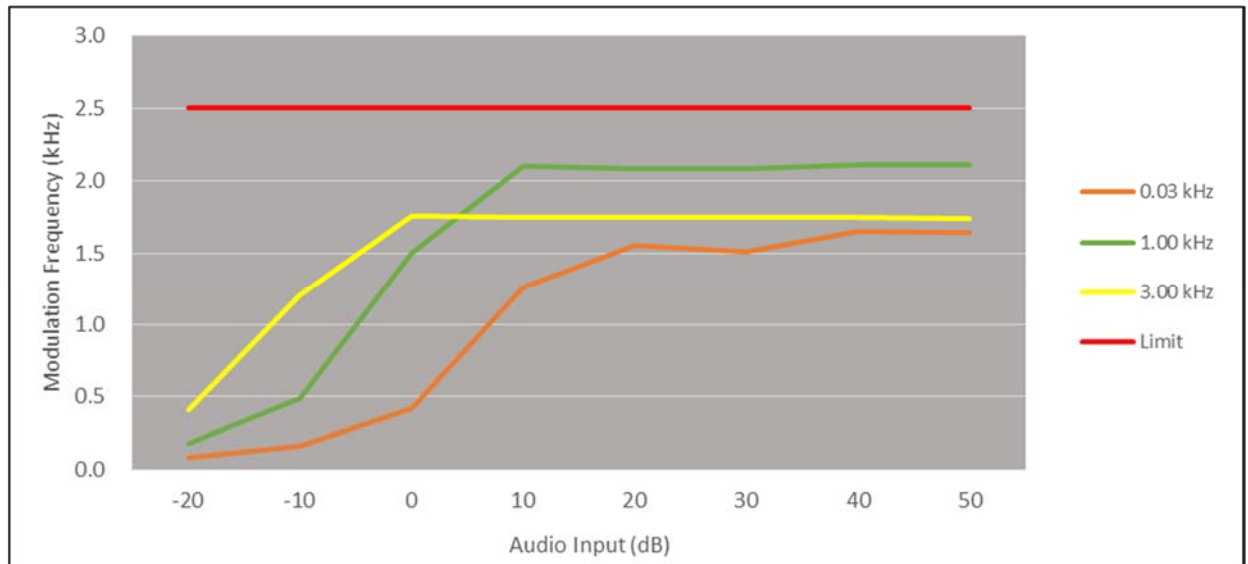
511.95 MHz



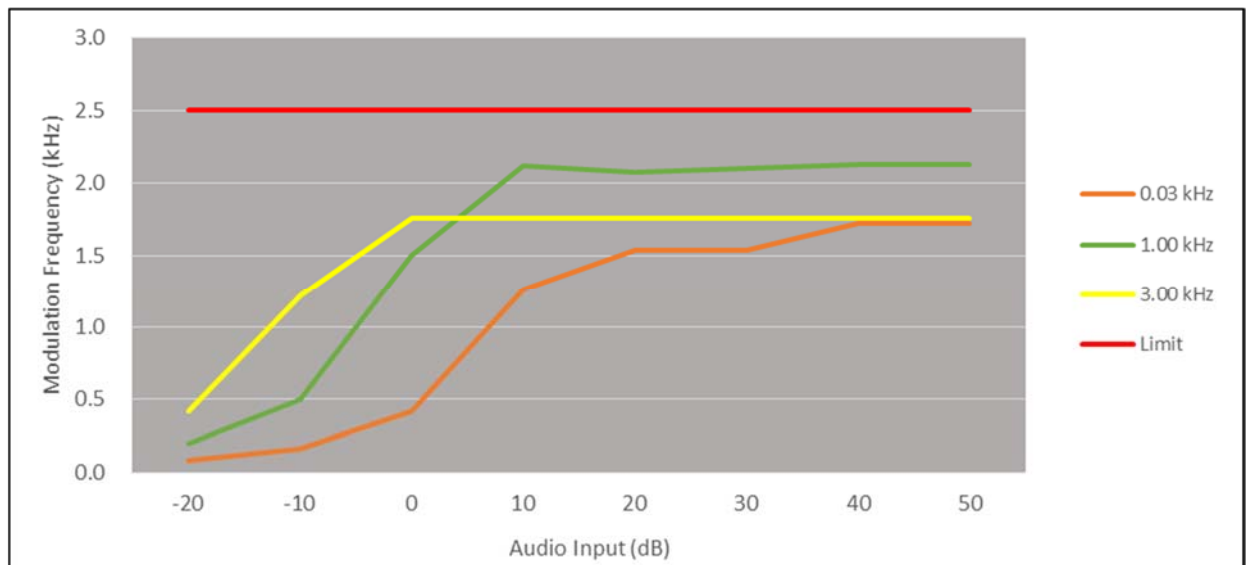
Negative Peaks

HIGH POWER

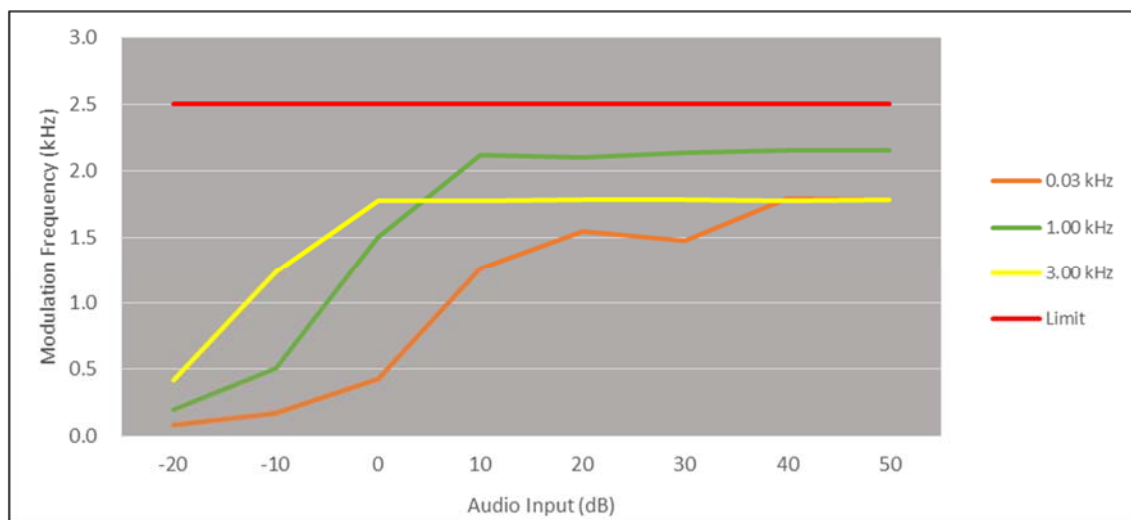
450.05 MHz



481.05 MHz

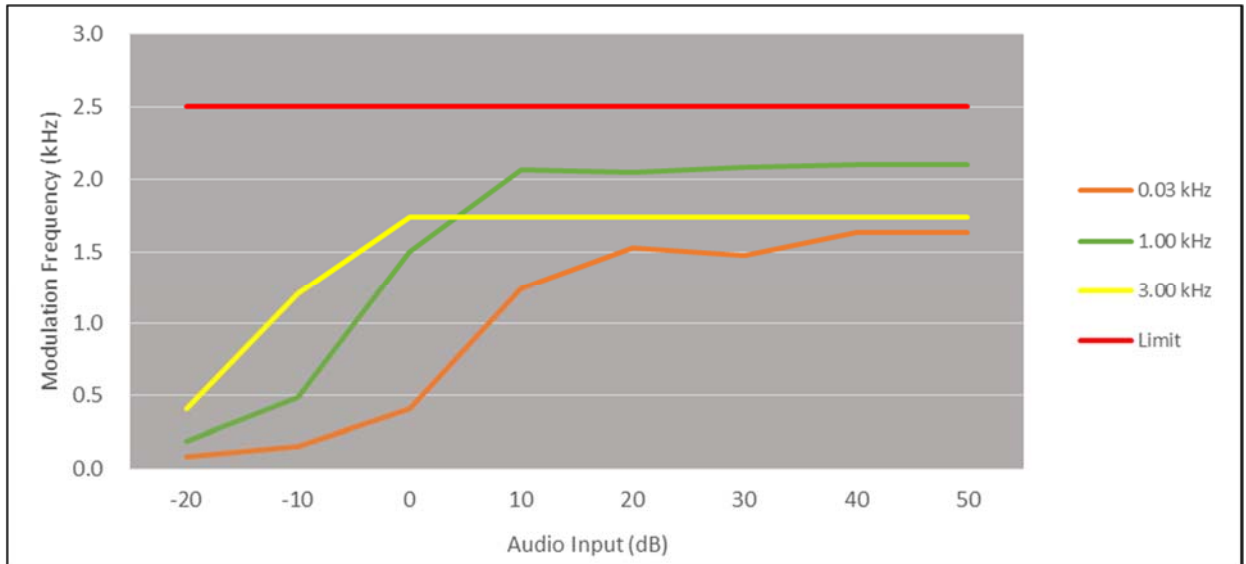


511.95 MHz

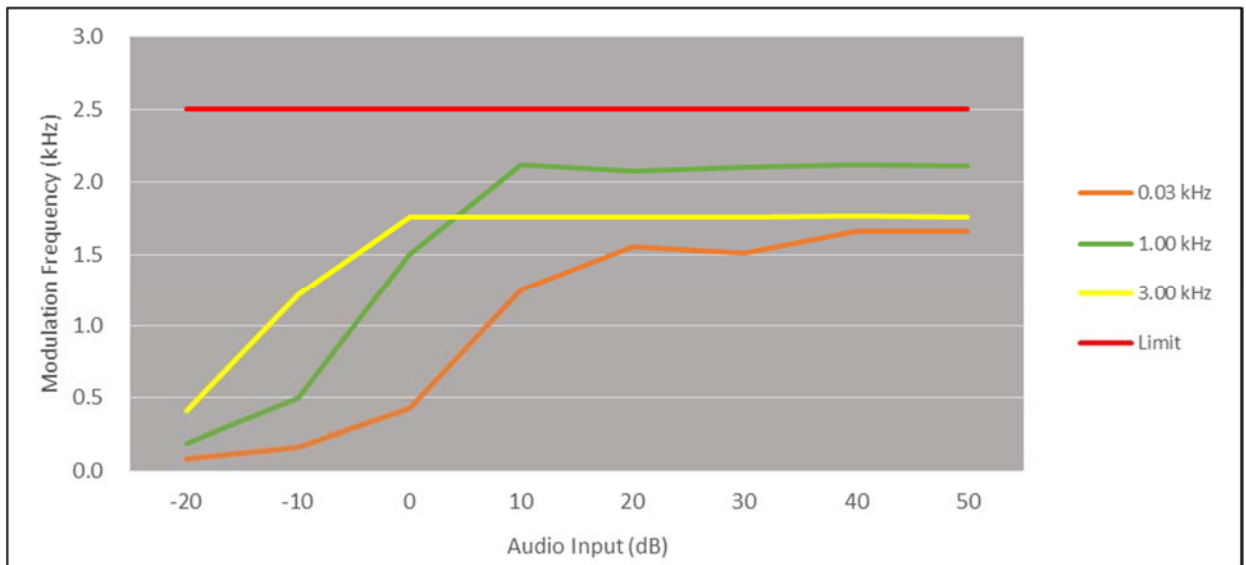


LOW POWER

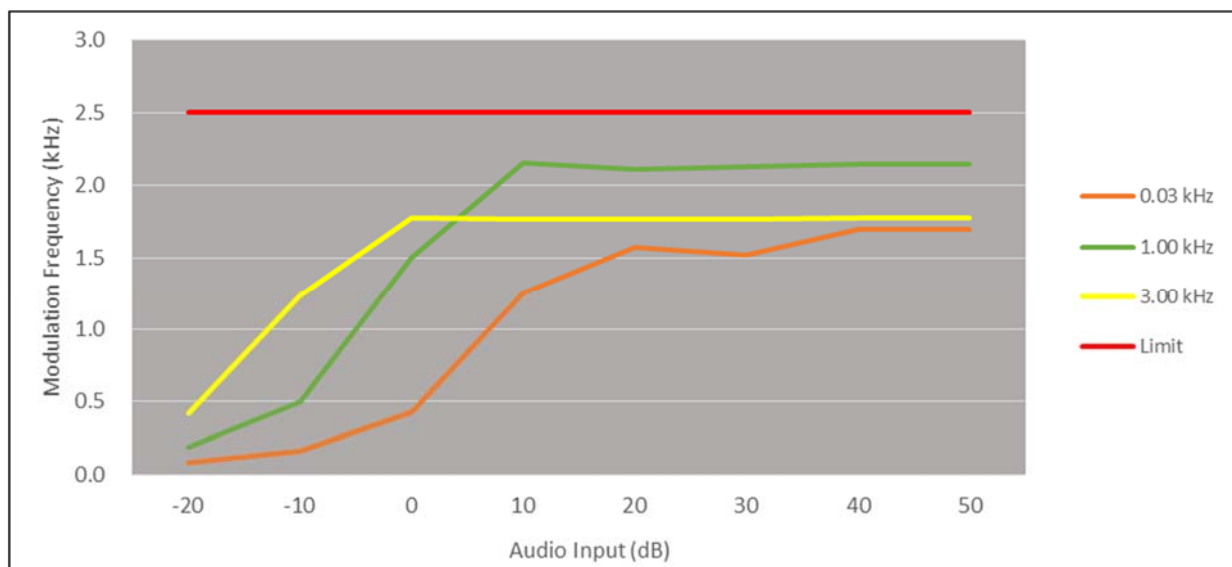
450.05 MHz



481.05 MHz



511.95 MHz

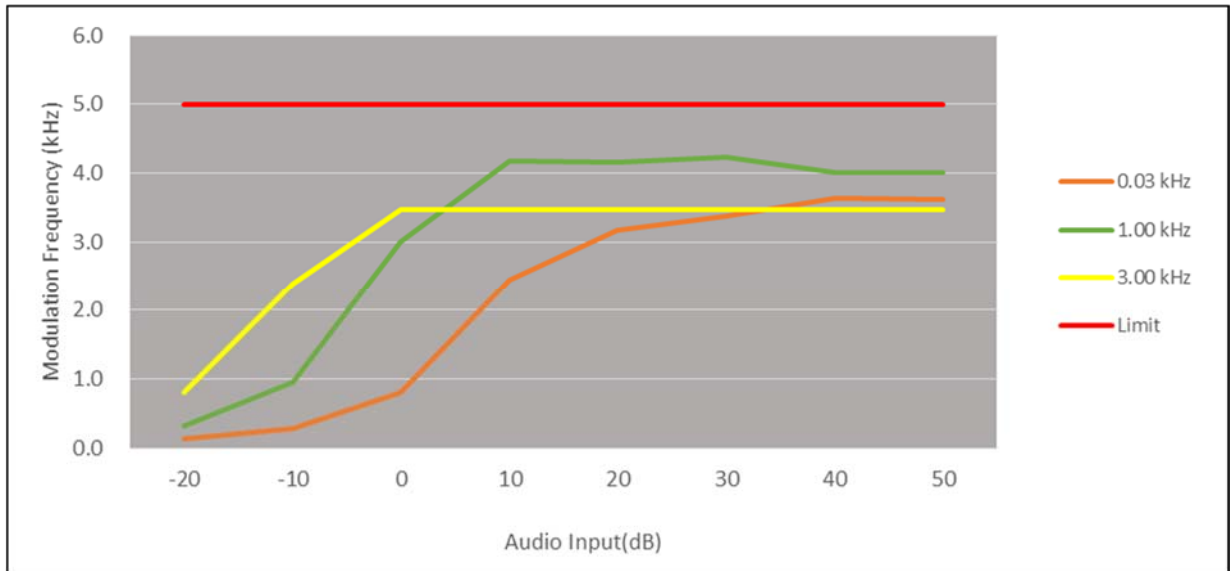


TEST RESULTS(16K0F3E)_2W

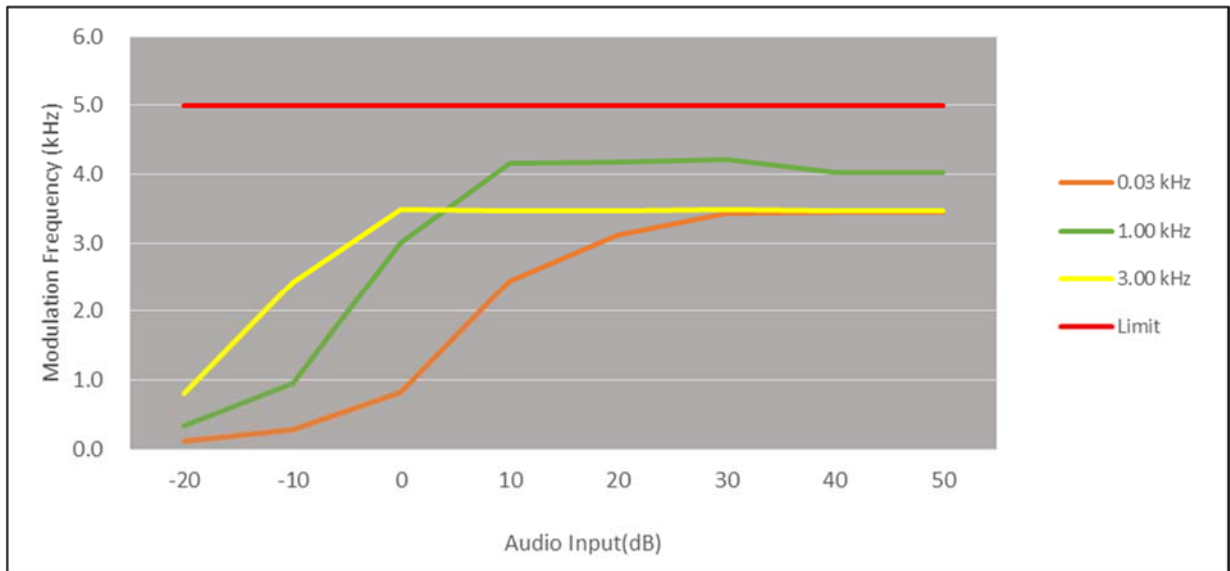
Positive Peaks

HIGH POWER

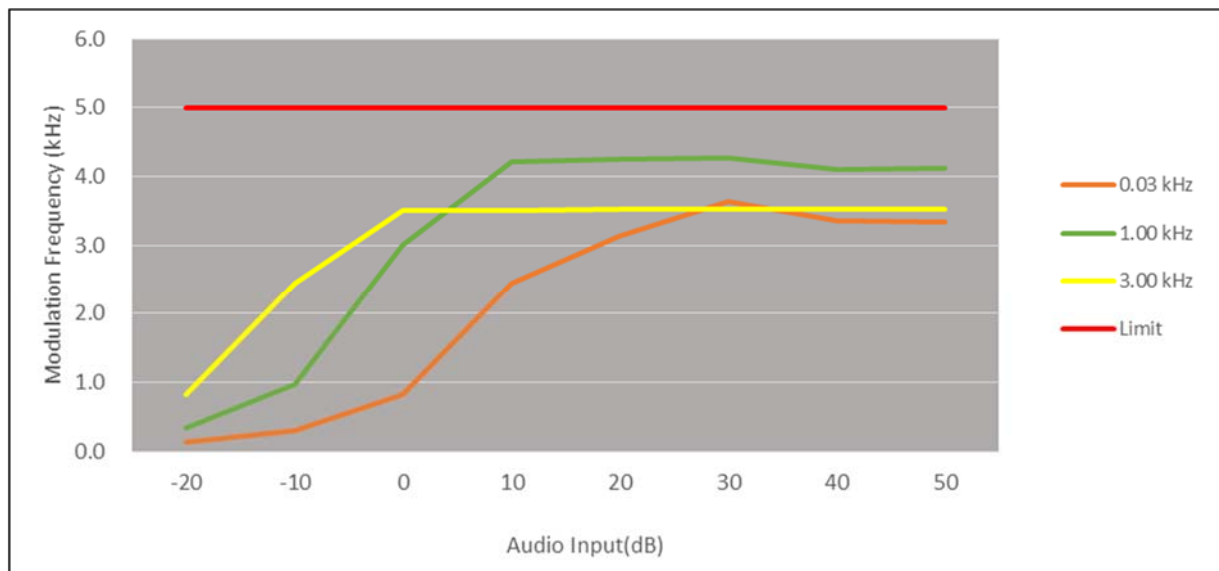
450.05 MHz



481.05 MHz

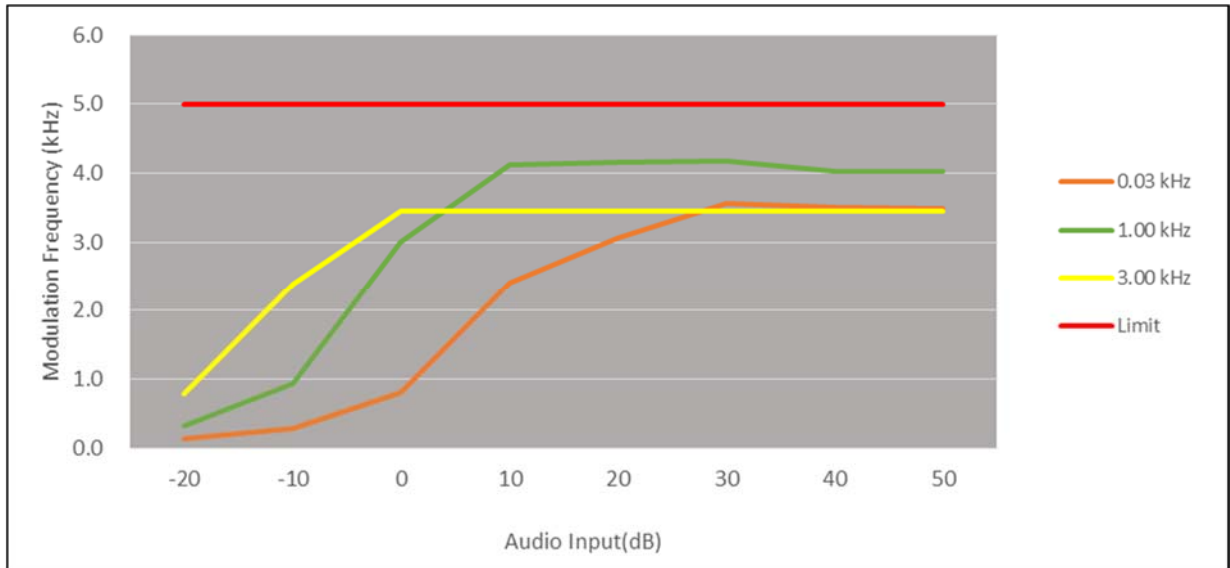


511.95 MHz

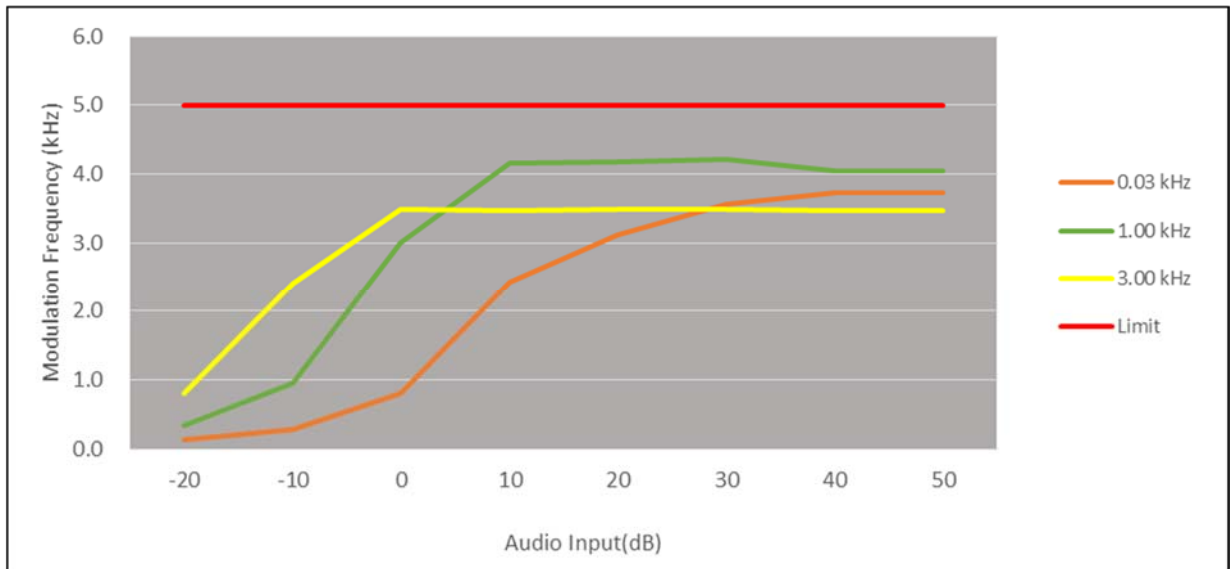


LOW POWER

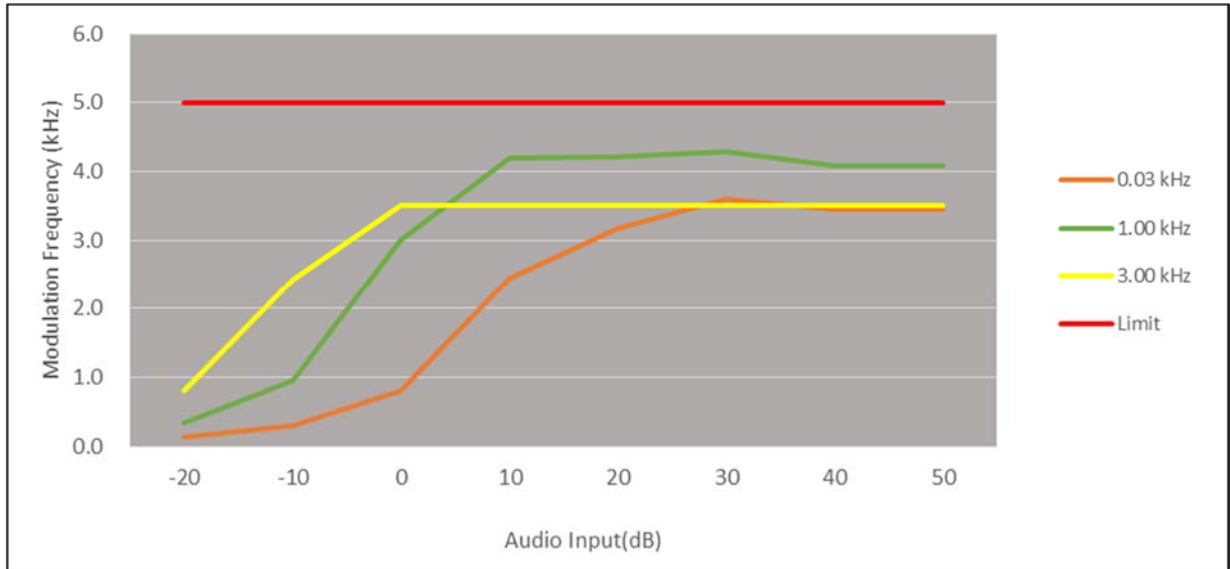
450.05 MHz



481.05 MHz



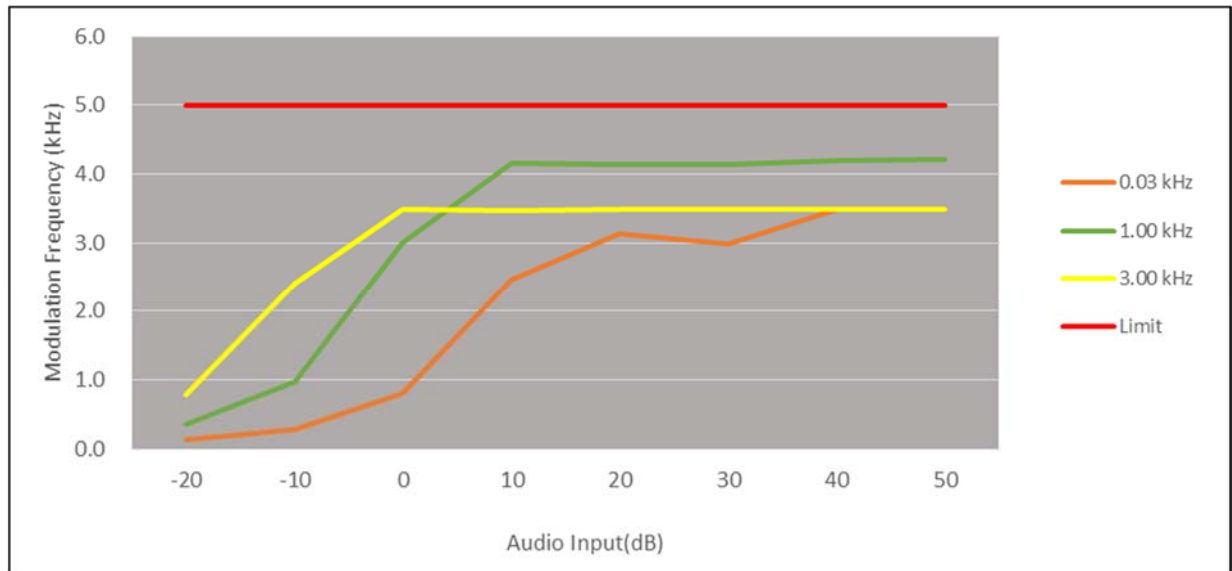
511.95 MHz



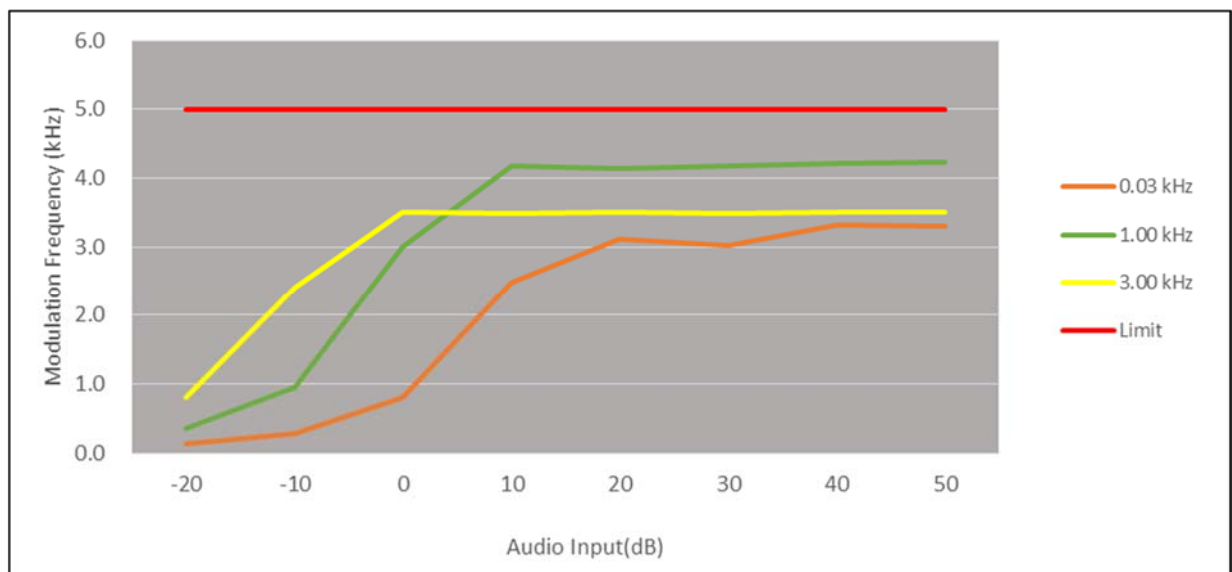
Negative Peaks

HIGH POWER

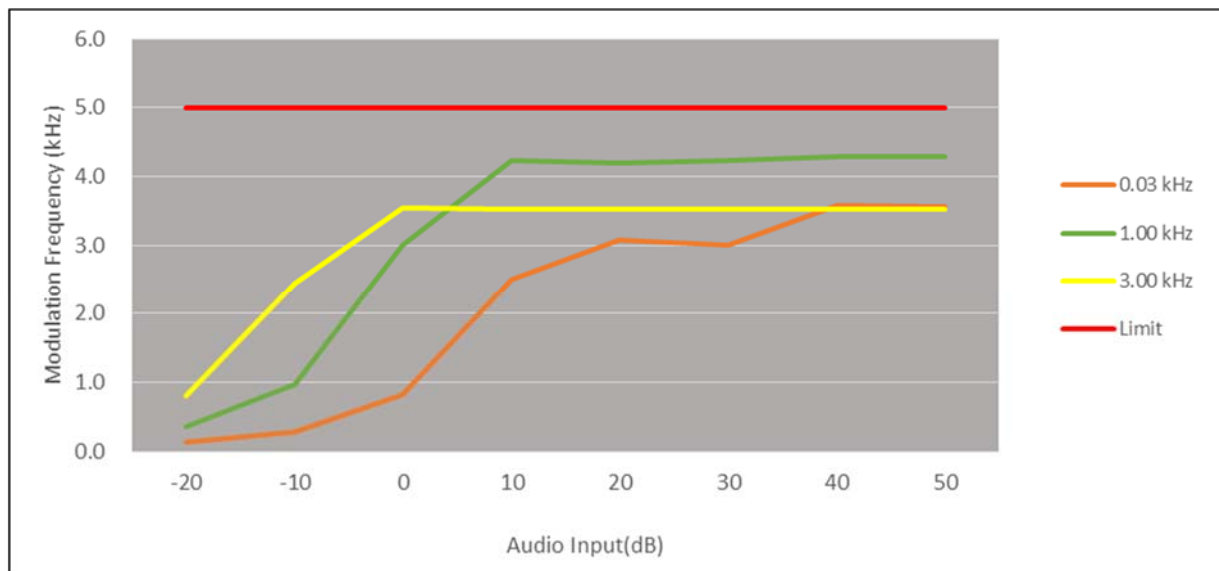
450.05 MHz



481.05 MHz

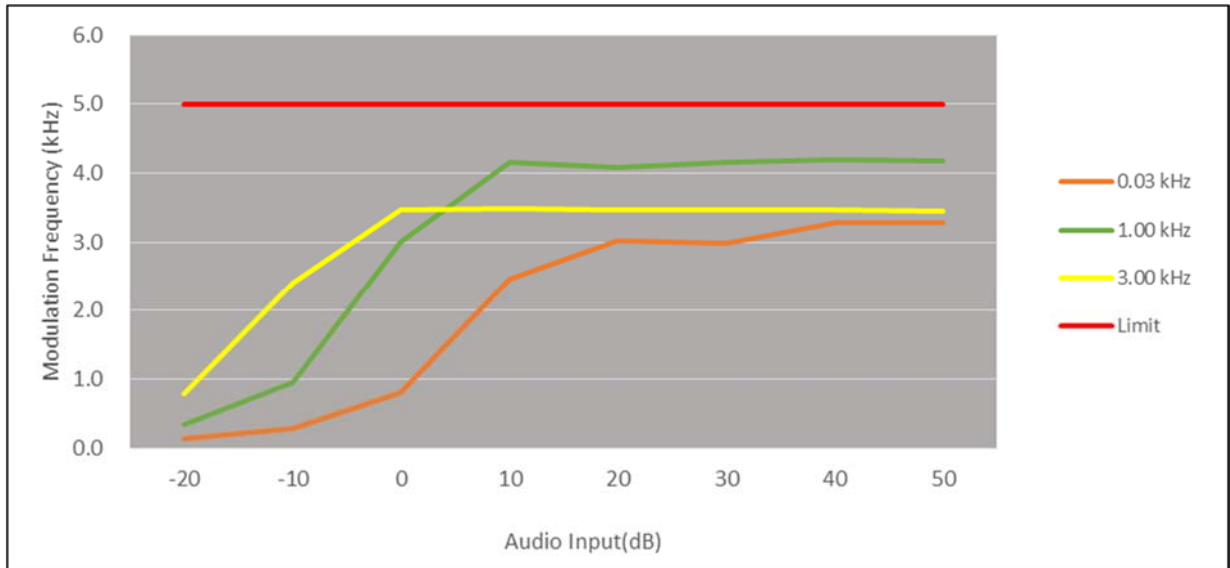


511.95 MHz

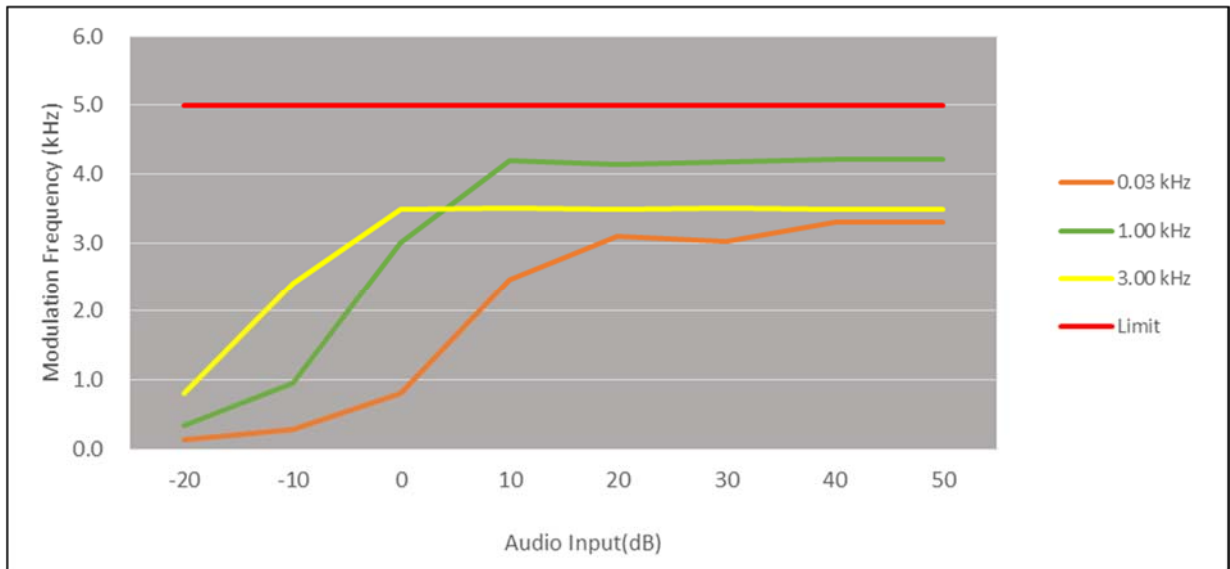


LOW POWER

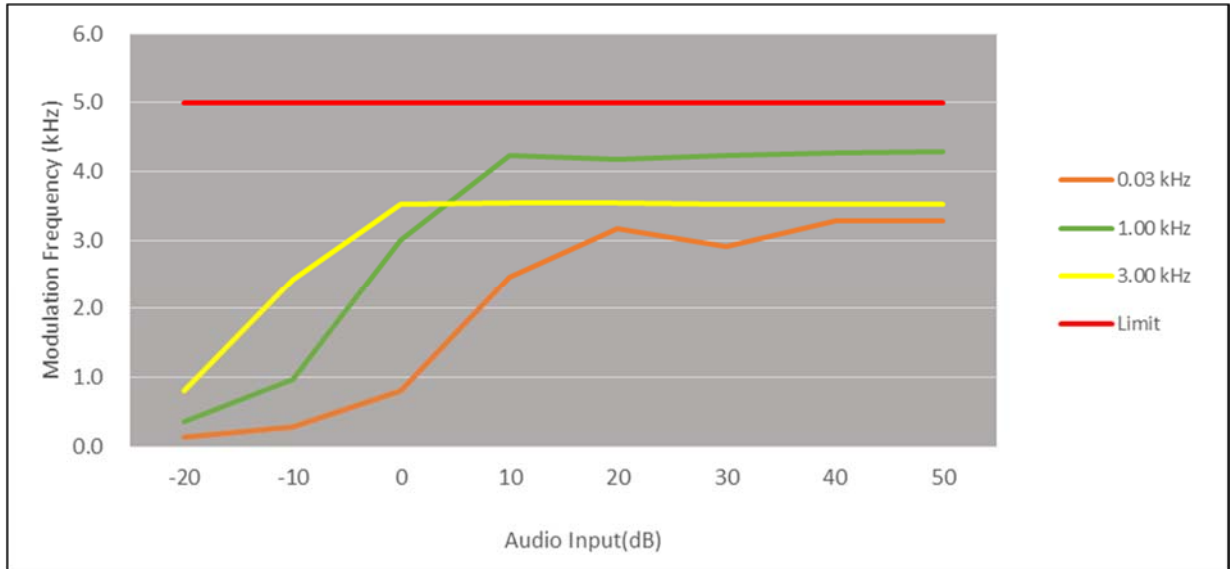
450.05 MHz



481.05 MHz



511.95 MHz

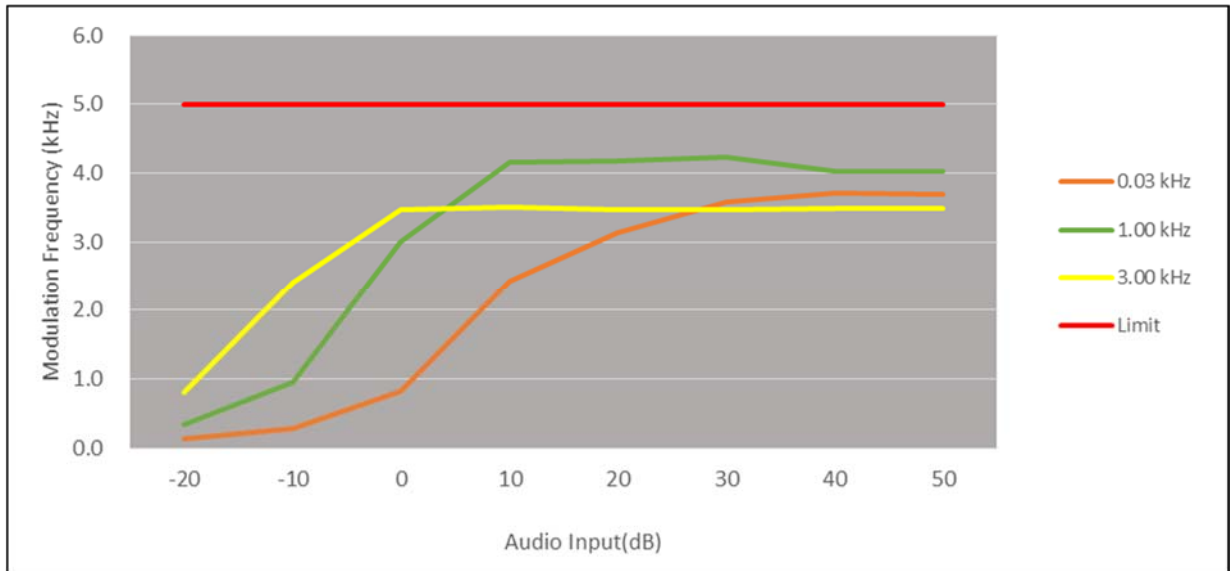


TEST RESULTS(16K0F3E)_5W

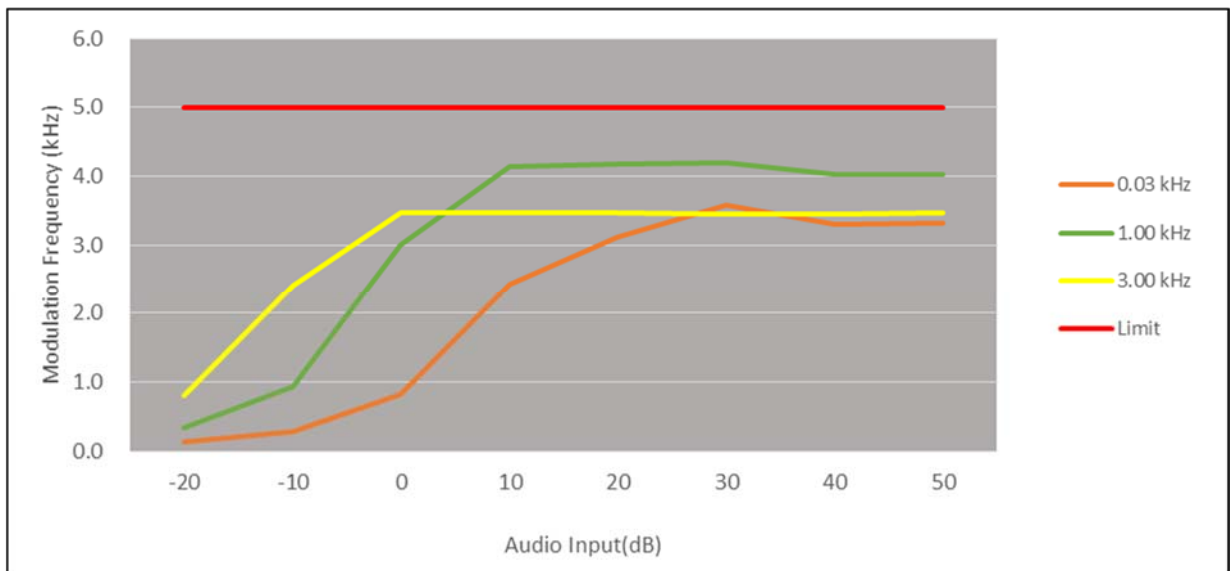
Positive Peaks

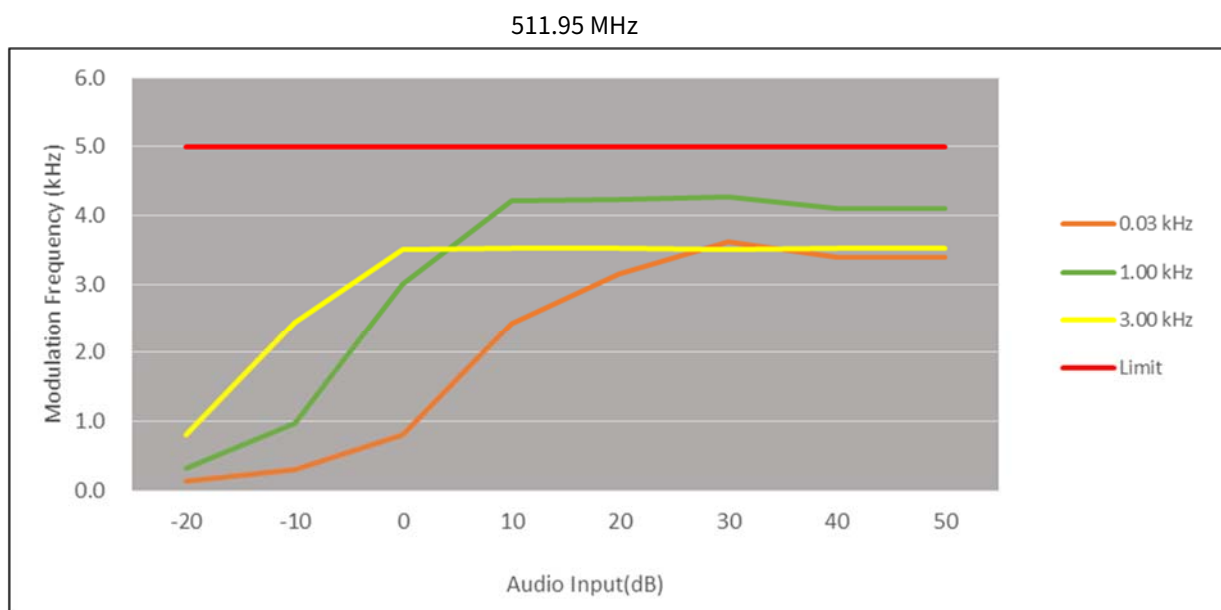
HIGH POWER

470.05 MHz



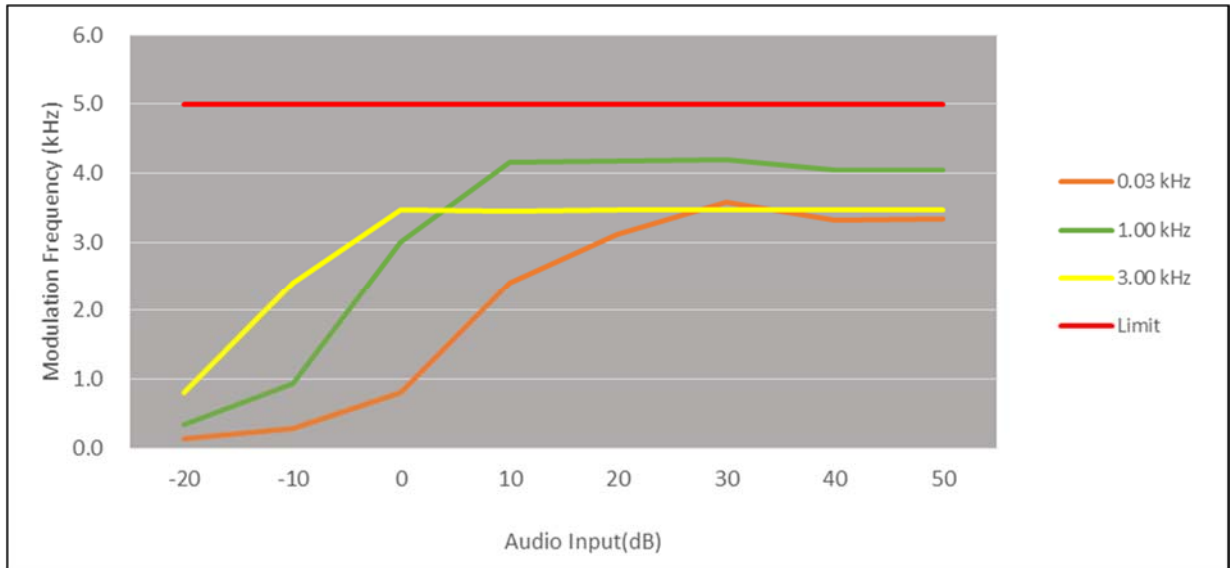
491.05 MHz



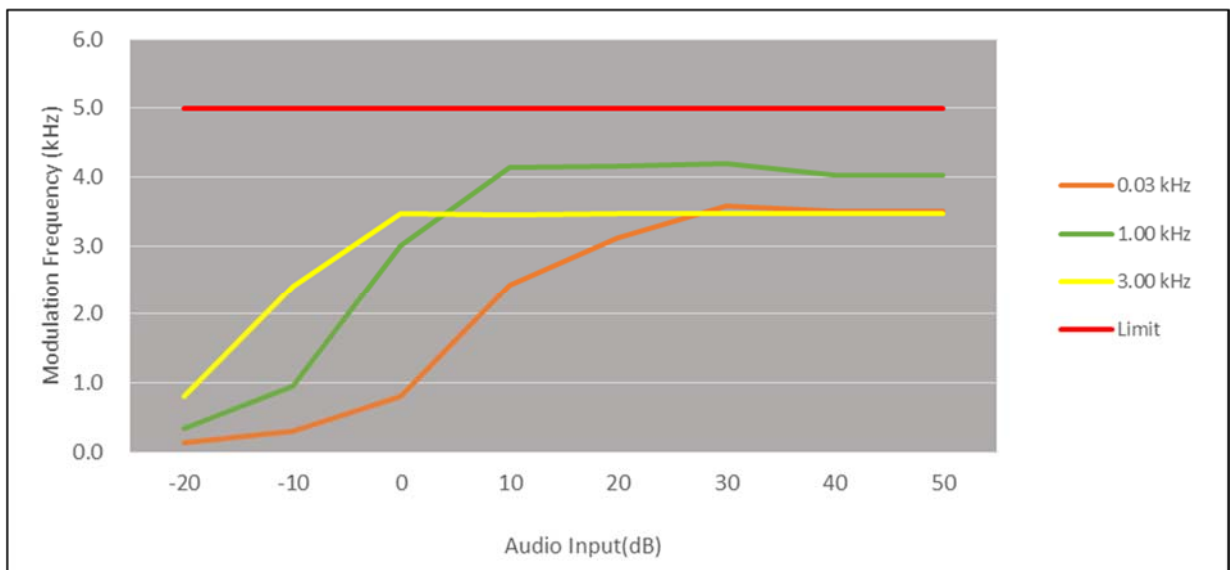


LOW POWER

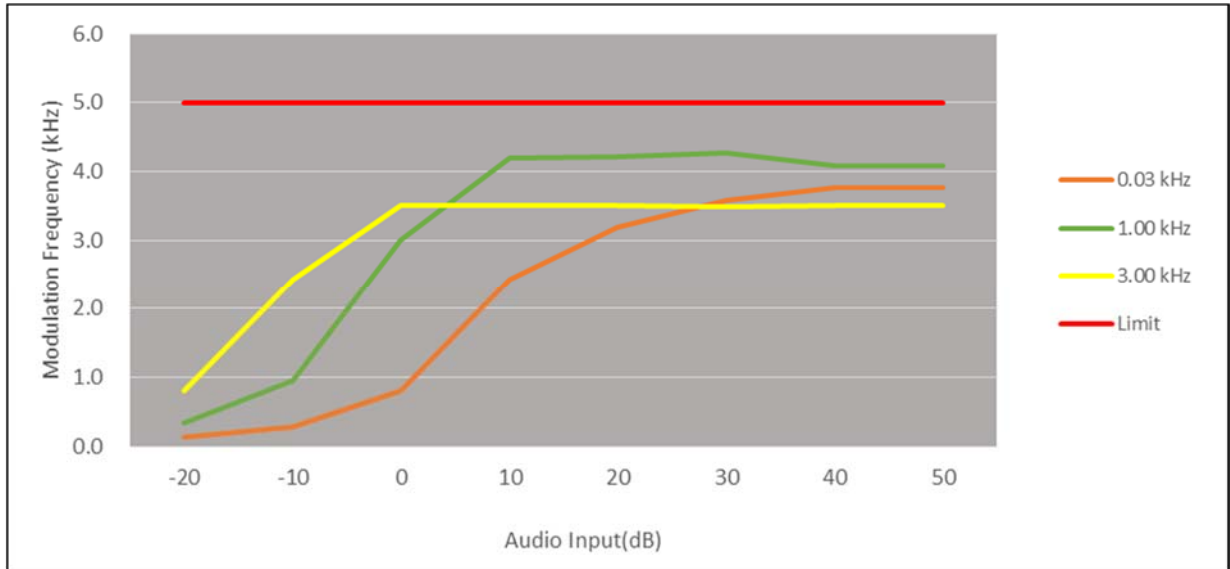
470.05 MHz



491.05 MHz



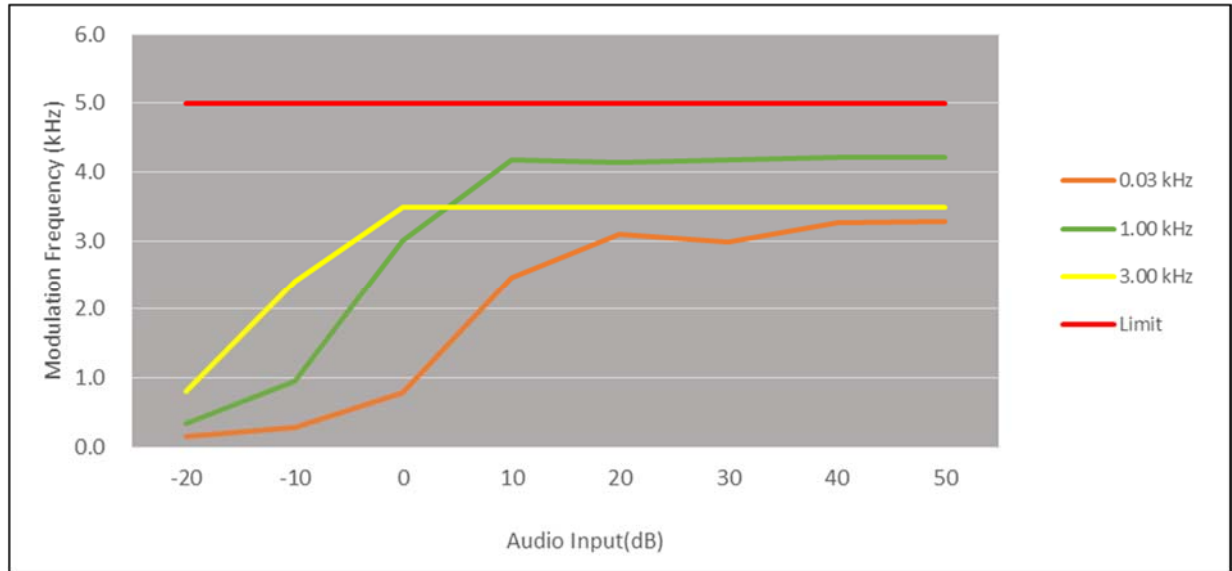
511.95 MHz



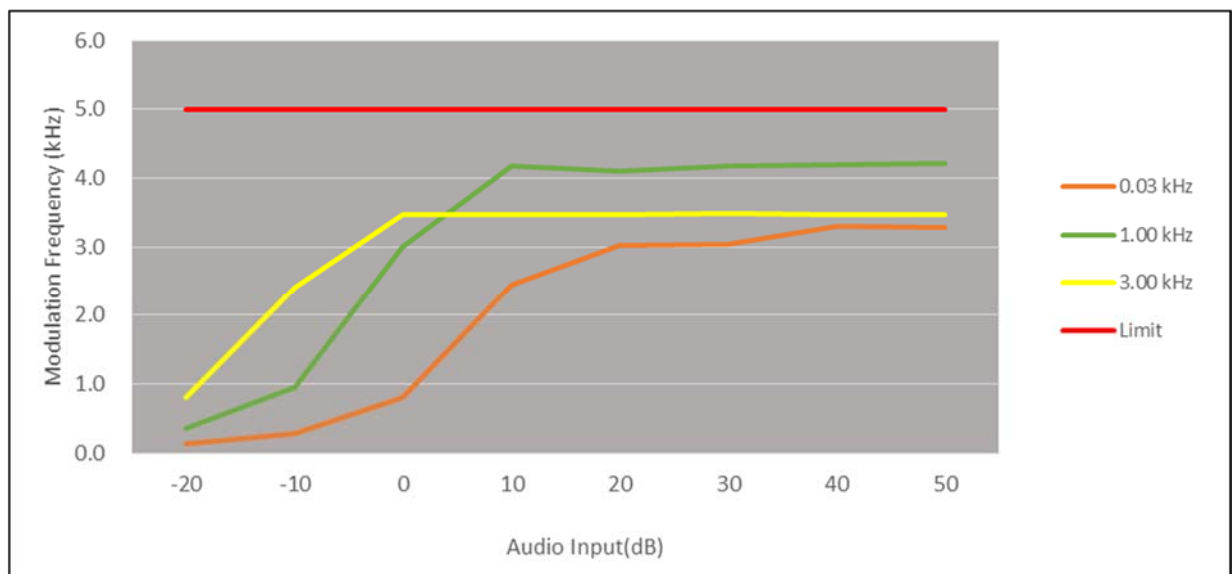
Negative Peaks

HIGH POWER

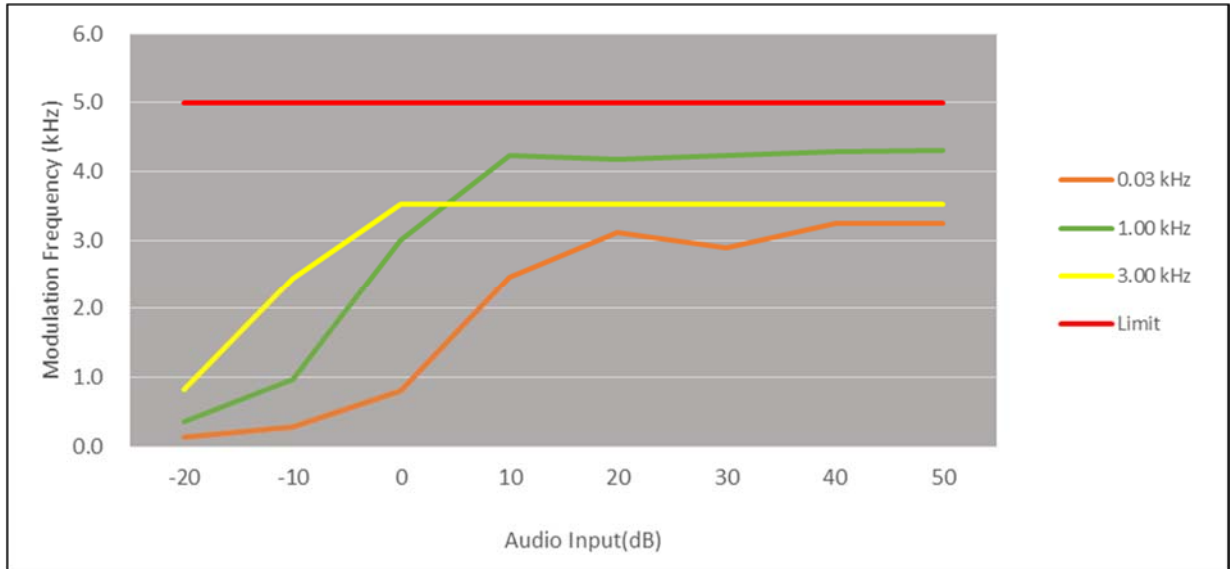
470.05 MHz



491.05 MHz

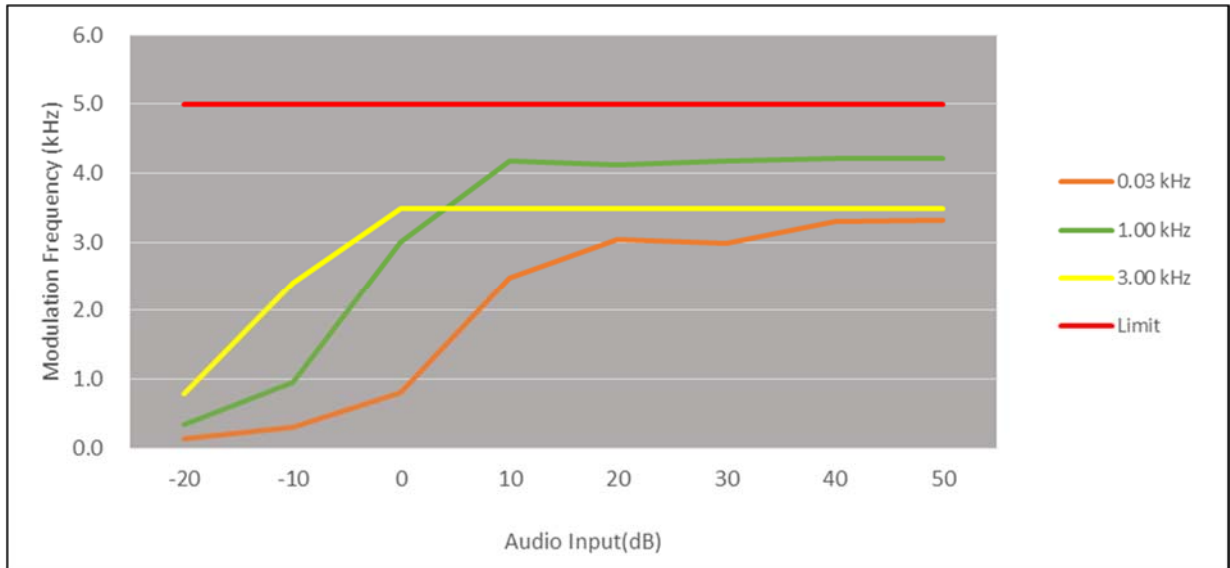


511.95 MHz

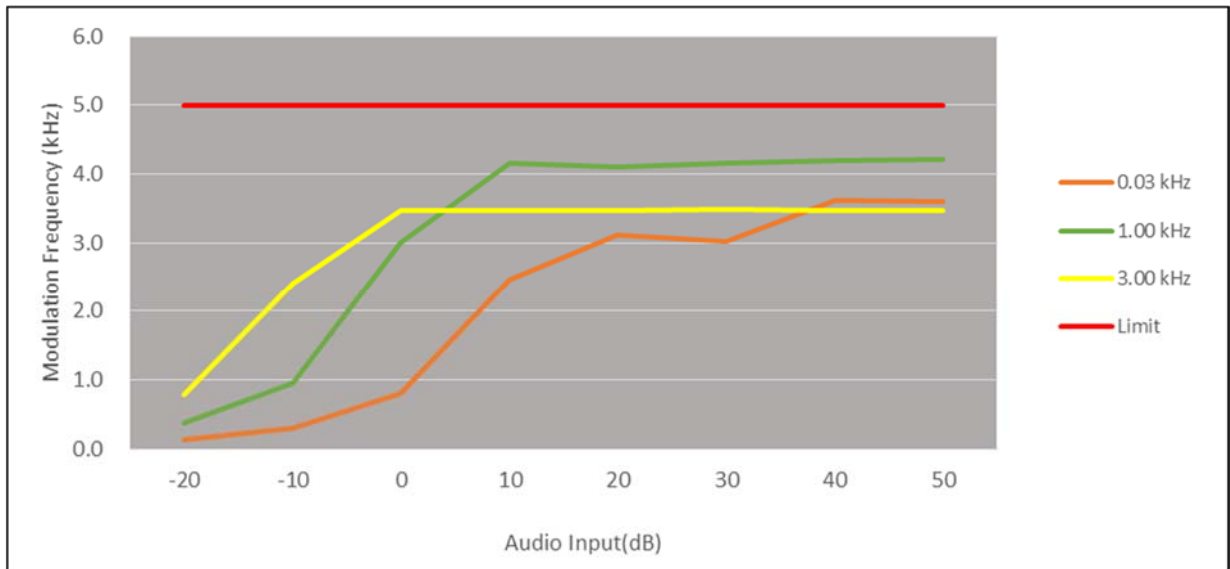


LOW POWER

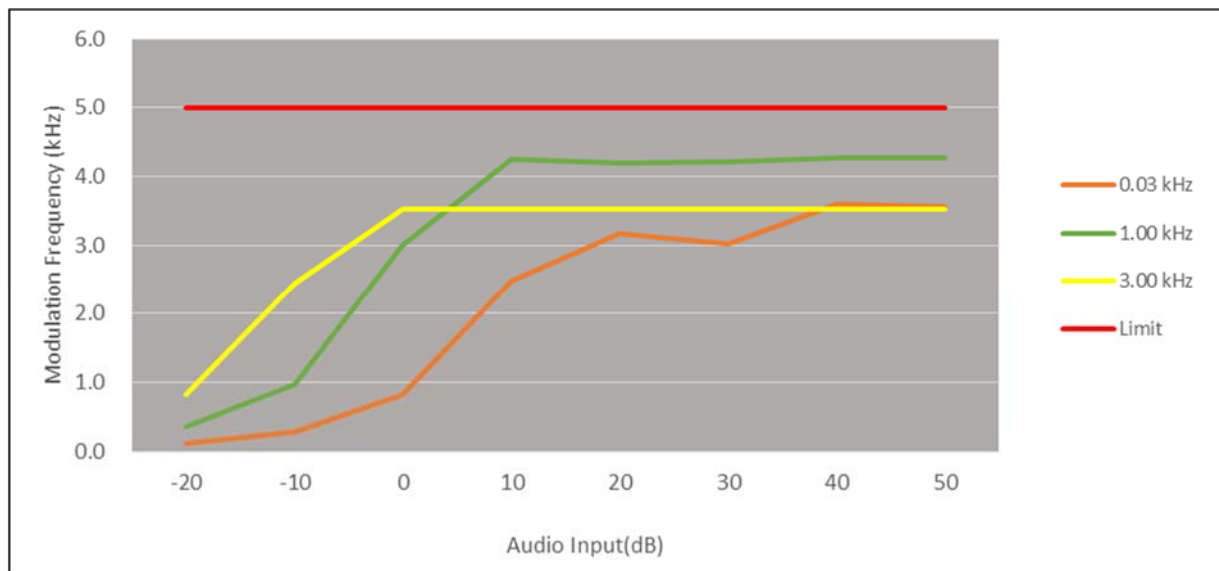
470.05 MHz



491.05 MHz



511.95 MHz

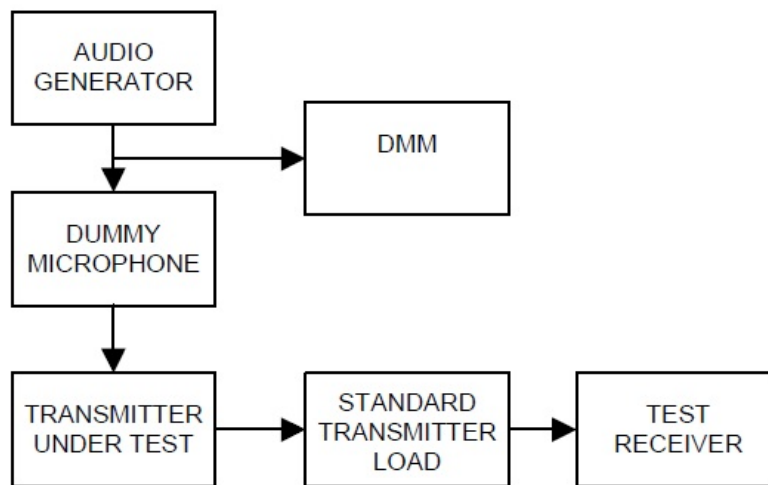


8.5 Audio Frequency Response / Audio Low Pass Filter Response

Definition

The audio frequency response is the degree of closeness to which the frequency deviation of the transmitter follows a prescribed characteristic.

TEST CONFIGURATION



TEST PROCEDURE

According to 2.2.6 in TIA-603-E Standard.

- Connect the equipment as illustrated.
- Set the test receiver to measure peak positive deviation. Set the audio bandwidth for ≤ 50 Hz to $\geq 15,000$ Hz. Turn the de-emphasis function off.
- Set the DMM to measure rms voltage.
- Adjust the transmitter per the manufacturer's procedure for full rated system deviation.
- Apply a 1000 Hz tone and adjust the audio frequency generator to produce 20% of the rated system deviation.
- Set the test receiver to measure rms deviation and record the deviation reading.
- Record the DMM reading as V_{REF} .
- Set the audio frequency generator to the desired test frequency between 300 Hz and 3000 Hz.
- Vary the audio frequency generator output level until the deviation reading that was recorded in step f) is obtained.
- Record the DMM reading as V_{FREQ} .
- Calculate the audio frequency response at the present frequency as:

$$\text{audio frequency response} = 20 * \log_{10}(V_{FREQ}/V_{REF})$$
- Repeat steps h) through k) for all the desired test frequencies.

Note

Audio Filter of the above result is substituted with the same structure as Audio Frequency Response.

On the transmission condition below 3kHz, Transceiver shows pre-emphasis condition of transmission function.

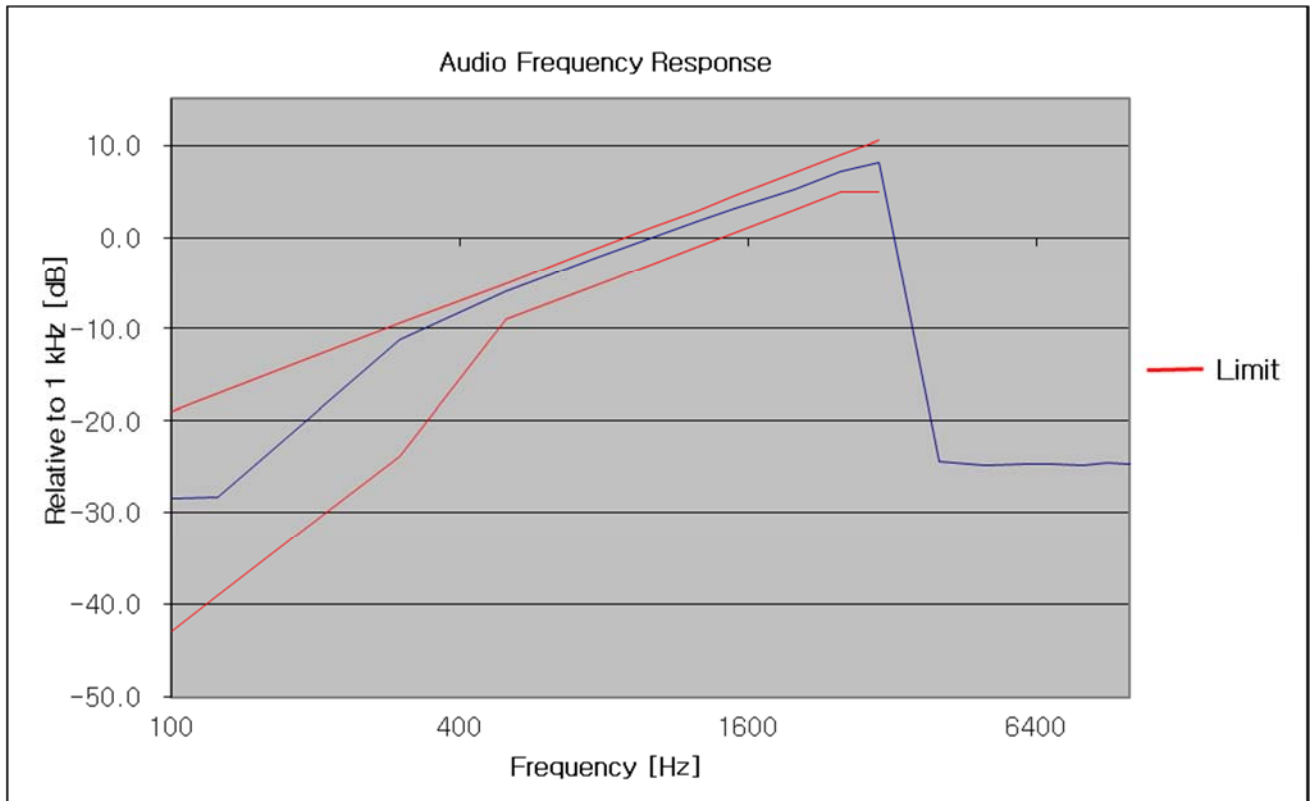
On the transmission condition above 3kHz, Transceiver shows Audio Low Pass Filter.

TEST RESULTS (11K0F3E)_5W

HIGH POWER

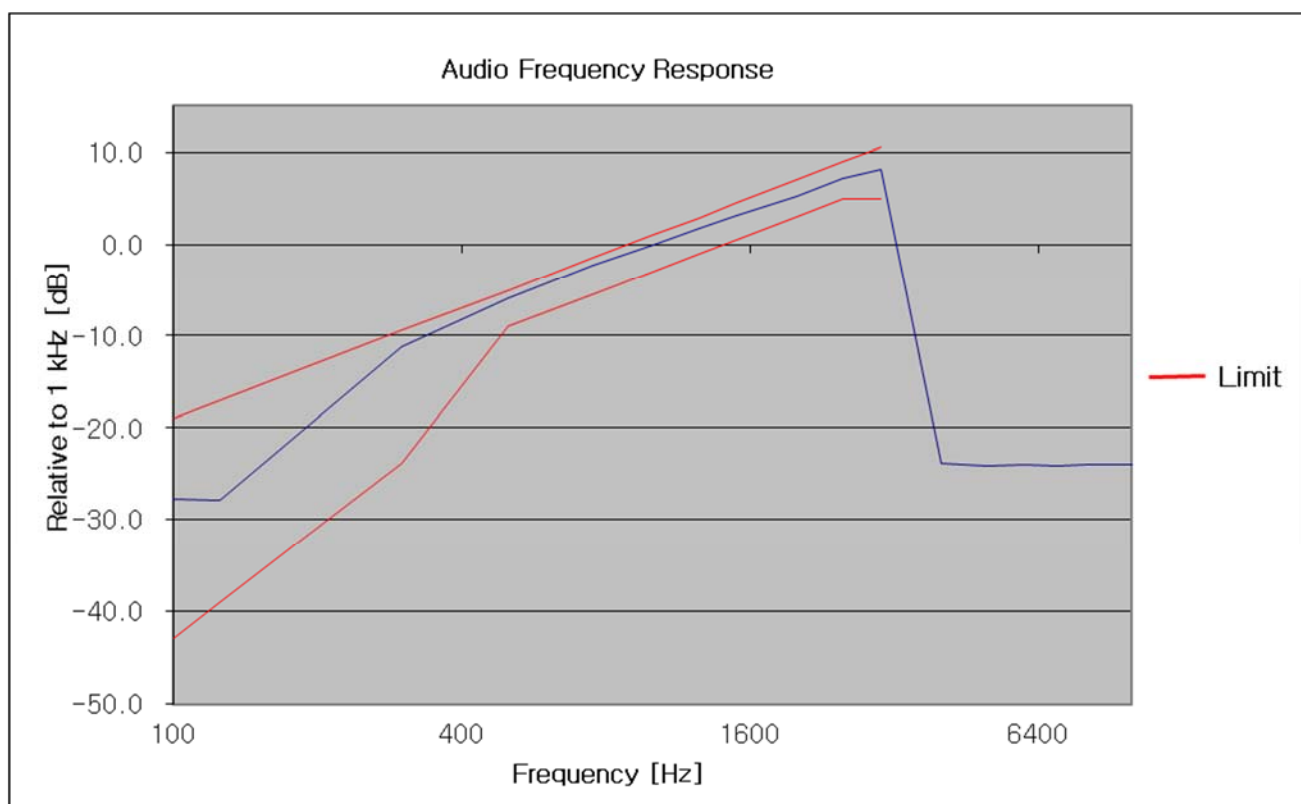
450.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-28.45	-18.93	-42.86
125	-28.31	-17.00	-39.00
300	-11.22	-9.42	-23.84
500	-5.96	-5.00	-9.00
750	-2.37	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.74	2.93	-1.07
1500	3.18	4.51	0.51
2000	5.20	7.00	3.00
2500	7.16	8.93	4.93
3000	8.18	10.51	4.93
4000	-24.36	-	-
5000	-24.77	-	-
6000	-24.67	-	-
7000	-24.70	-	-
8000	-24.75	-	-
9000	-24.52	-	-
10000	-24.65	-	-
20000	-24.65	-	-
30000	-24.70	-	-
40000	-24.58	-	-



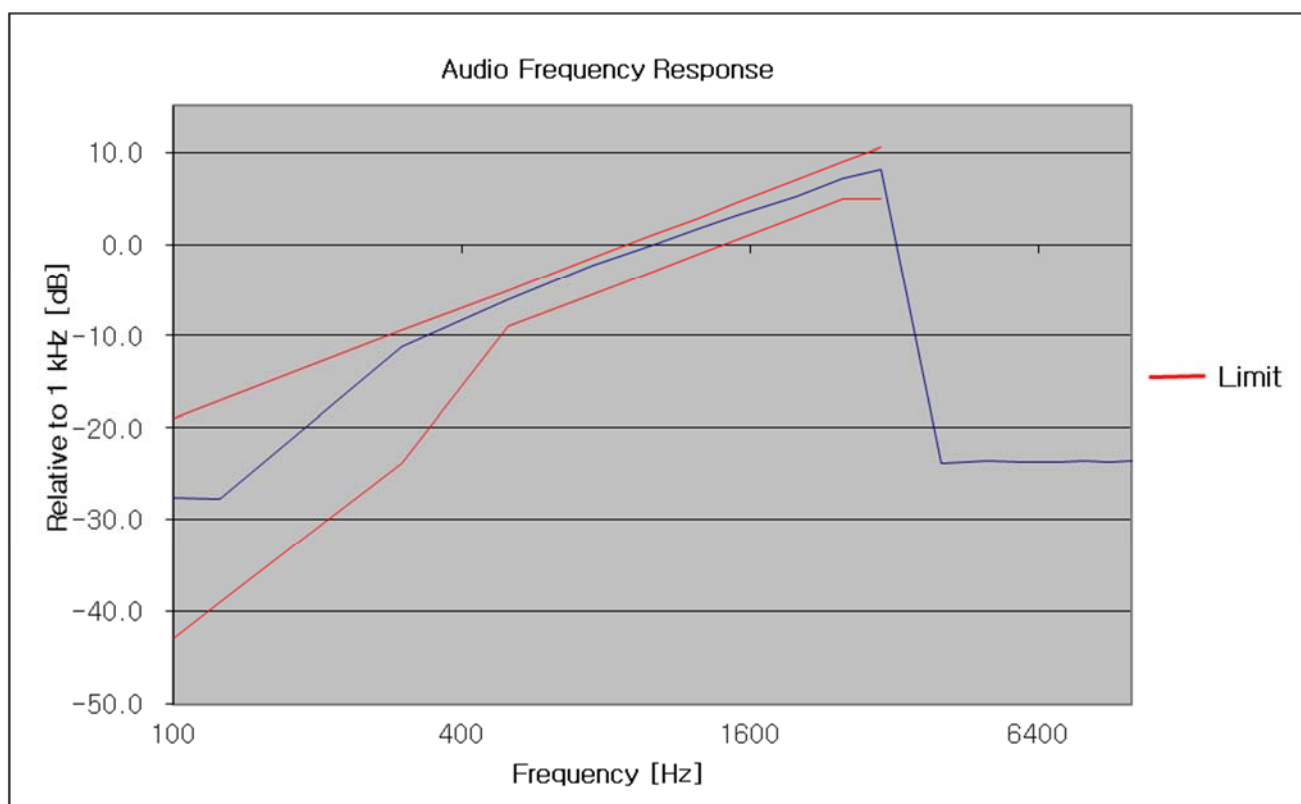
481.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-27.70	-18.93	-42.86
125	-27.83	-17.00	-39.00
300	-11.13	-9.42	-23.84
500	-5.95	-5.00	-9.00
750	-2.34	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.78	2.93	-1.07
1500	3.20	4.51	0.51
2000	5.22	7.00	3.00
2500	7.19	8.93	4.93
3000	8.18	10.51	4.93
4000	-23.88	-	-
5000	-24.08	-	-
6000	-24.03	-	-
7000	-24.06	-	-
8000	-23.92	-	-
9000	-23.95	-	-
10000	-23.92	-	-
20000	-23.96	-	-
30000	-23.90	-	-
40000	-23.98	-	-



511.95 MHz

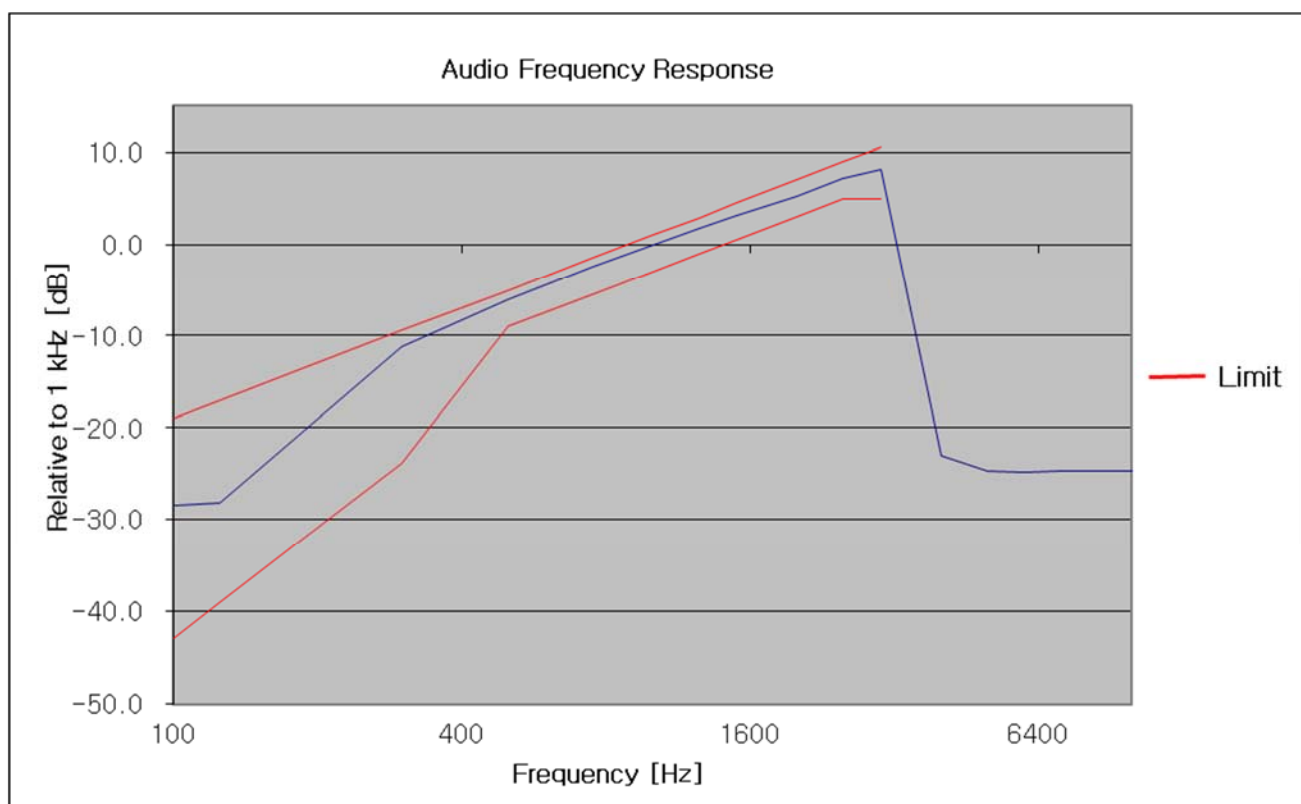
Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-27.64	-18.93	-42.86
125	-27.76	-17.00	-39.00
300	-11.23	-9.42	-23.84
500	-5.97	-5.00	-9.00
750	-2.32	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.76	2.93	-1.07
1500	3.18	4.51	0.51
2000	5.19	7.00	3.00
2500	7.16	8.93	4.93
3000	8.15	10.51	4.93
4000	-23.85	-	-
5000	-23.52	-	-
6000	-23.65	-	-
7000	-23.66	-	-
8000	-23.51	-	-
9000	-23.65	-	-
10000	-23.63	-	-
20000	-23.66	-	-
30000	-23.51	-	-
40000	-23.68	-	-



LOW POWER

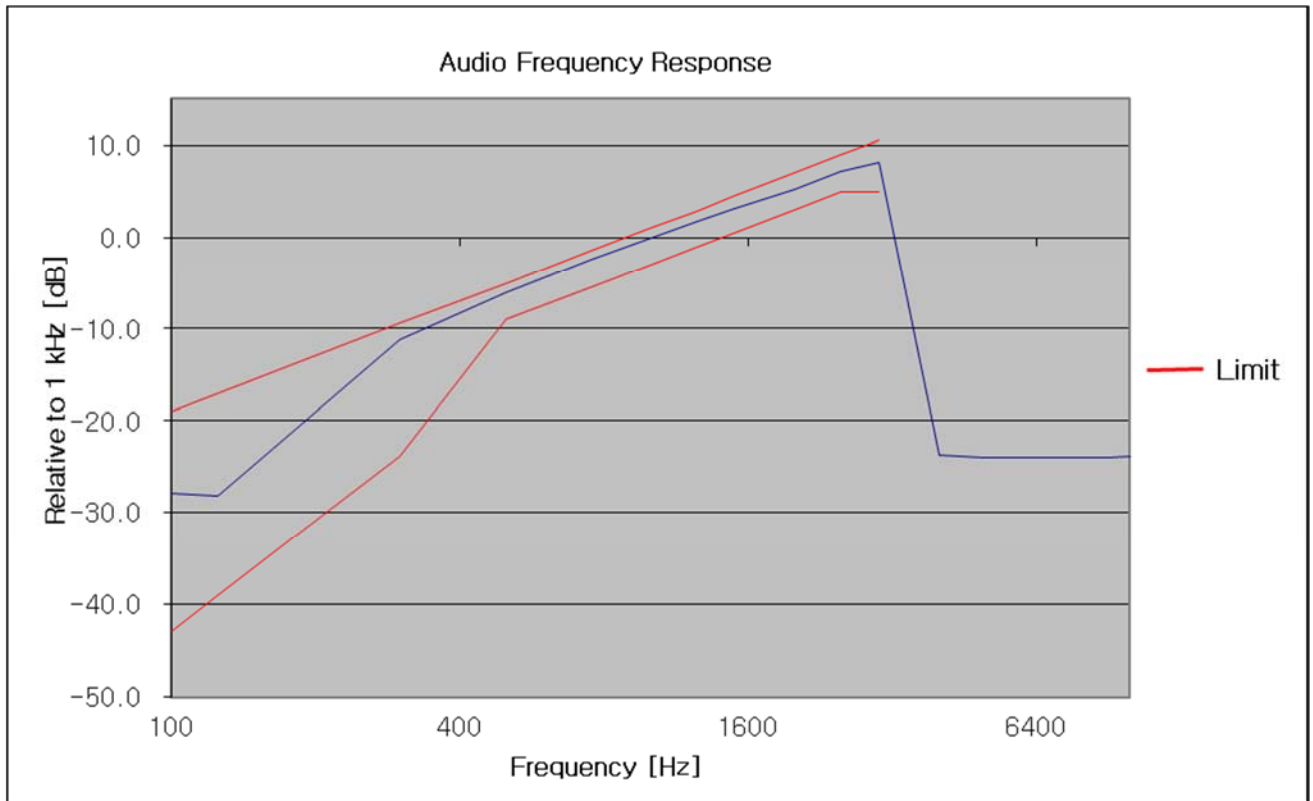
450.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-28.40	-18.93	-42.86
125	-28.20	-17.00	-39.00
300	-11.21	-9.42	-23.84
500	-6.01	-5.00	-9.00
750	-2.40	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.74	2.93	-1.07
1500	3.17	4.51	0.51
2000	5.19	7.00	3.00
2500	7.14	8.93	4.93
3000	8.18	10.51	4.93
4000	-23.07	-	-
5000	-24.71	-	-
6000	-24.76	-	-
7000	-24.71	-	-
8000	-24.71	-	-
9000	-24.69	-	-
10000	-24.74	-	-
20000	-24.74	-	-
30000	-24.76	-	-
40000	-24.76	-	-



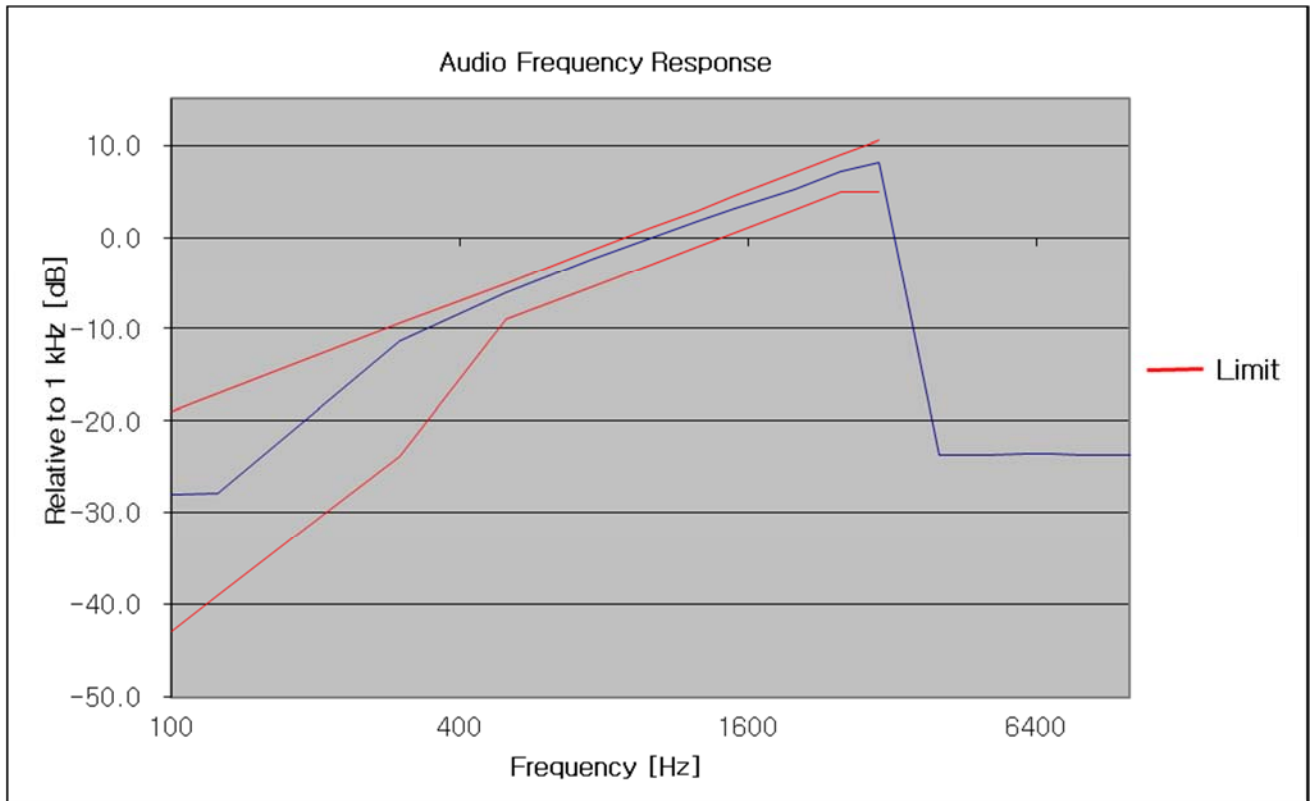
481.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-27.89	-18.93	-42.86
125	-28.22	-17.00	-39.00
300	-11.20	-9.42	-23.84
500	-5.99	-5.00	-9.00
750	-2.38	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.78	2.93	-1.07
1500	3.20	4.51	0.51
2000	5.22	7.00	3.00
2500	7.17	8.93	4.93
3000	8.20	10.51	4.93
4000	-23.76	-	-
5000	-23.92	-	-
6000	-23.95	-	-
7000	-23.93	-	-
8000	-23.98	-	-
9000	-23.92	-	-
10000	-23.83	-	-
20000	-23.98	-	-
30000	-23.98	-	-
40000	-23.95	-	-



511.95 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-28.07	-18.93	-42.86
125	-27.93	-17.00	-39.00
300	-11.27	-9.42	-23.84
500	-5.97	-5.00	-9.00
750	-2.36	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.76	2.93	-1.07
1500	3.17	4.51	0.51
2000	5.19	7.00	3.00
2500	7.14	8.93	4.93
3000	8.18	10.51	4.93
4000	-23.70	-	-
5000	-23.65	-	-
6000	-23.54	-	-
7000	-23.62	-	-
8000	-23.65	-	-
9000	-23.70	-	-
10000	-23.65	-	-
20000	-23.75	-	-
30000	-23.65	-	-
40000	-23.62	-	-

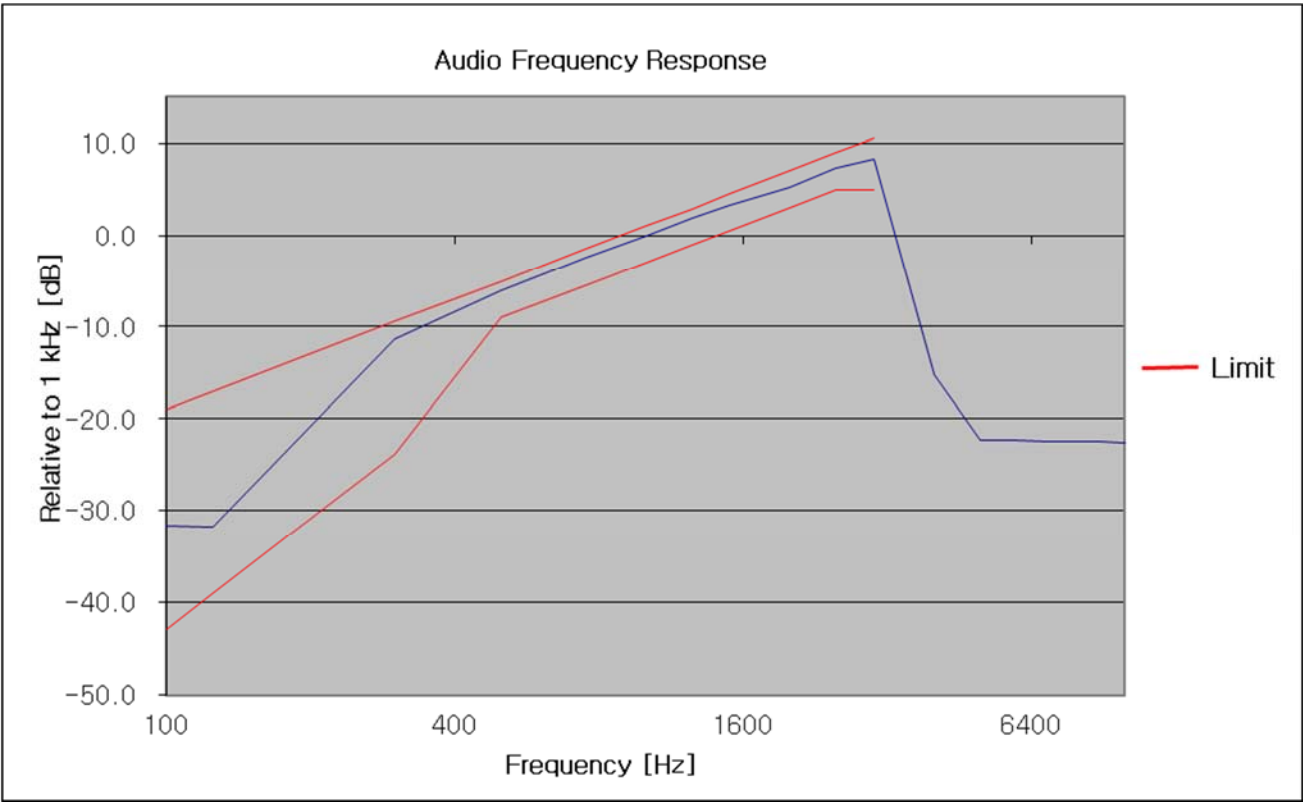


TEST RESULTS (16K0F3E)_2W

HIGH POWER

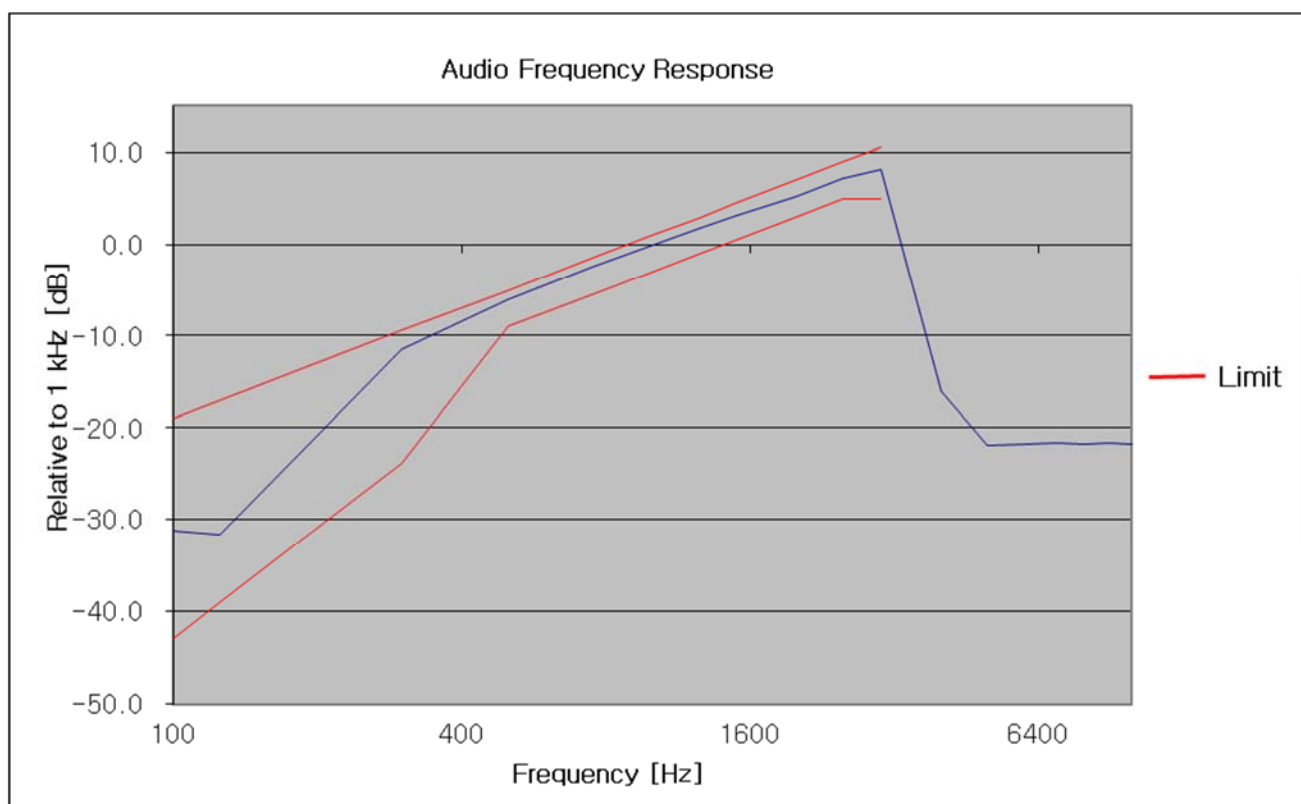
450.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.69	-18.93	-42.86
125	-31.74	-17.00	-39.00
300	-11.27	-9.42	-23.84
500	-6.00	-5.00	-9.00
750	-2.35	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.83	2.93	-1.07
1500	3.25	4.51	0.51
2000	5.29	7.00	3.00
2500	7.25	8.93	4.93
3000	8.28	10.51	4.93
4000	-15.15	-	-
5000	-22.38	-	-
6000	-22.31	-	-
7000	-22.43	-	-
8000	-22.43	-	-
9000	-22.40	-	-
10000	-22.54	-	-
20000	-22.36	-	-
30000	-22.43	-	-
40000	-22.33	-	-



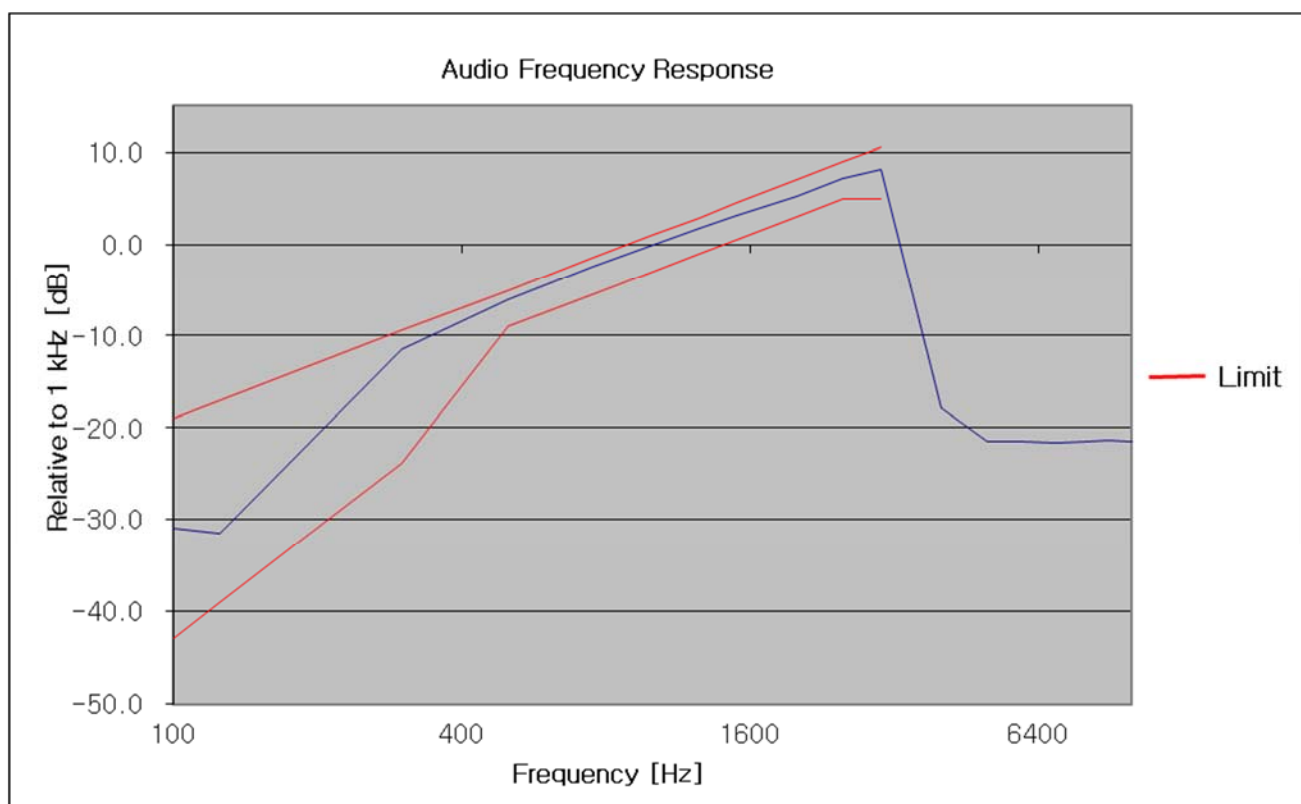
481.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.28	-18.93	-42.86
125	-31.57	-17.00	-39.00
300	-11.40	-9.42	-23.84
500	-6.07	-5.00	-9.00
750	-2.42	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.76	2.93	-1.07
1500	3.19	4.51	0.51
2000	5.22	7.00	3.00
2500	7.19	8.93	4.93
3000	8.21	10.51	4.93
4000	-16.10	-	-
5000	-21.83	-	-
6000	-21.73	-	-
7000	-21.67	-	-
8000	-21.77	-	-
9000	-21.67	-	-
10000	-21.77	-	-
20000	-21.74	-	-
30000	-21.81	-	-
40000	-21.77	-	-



511.95 MHz

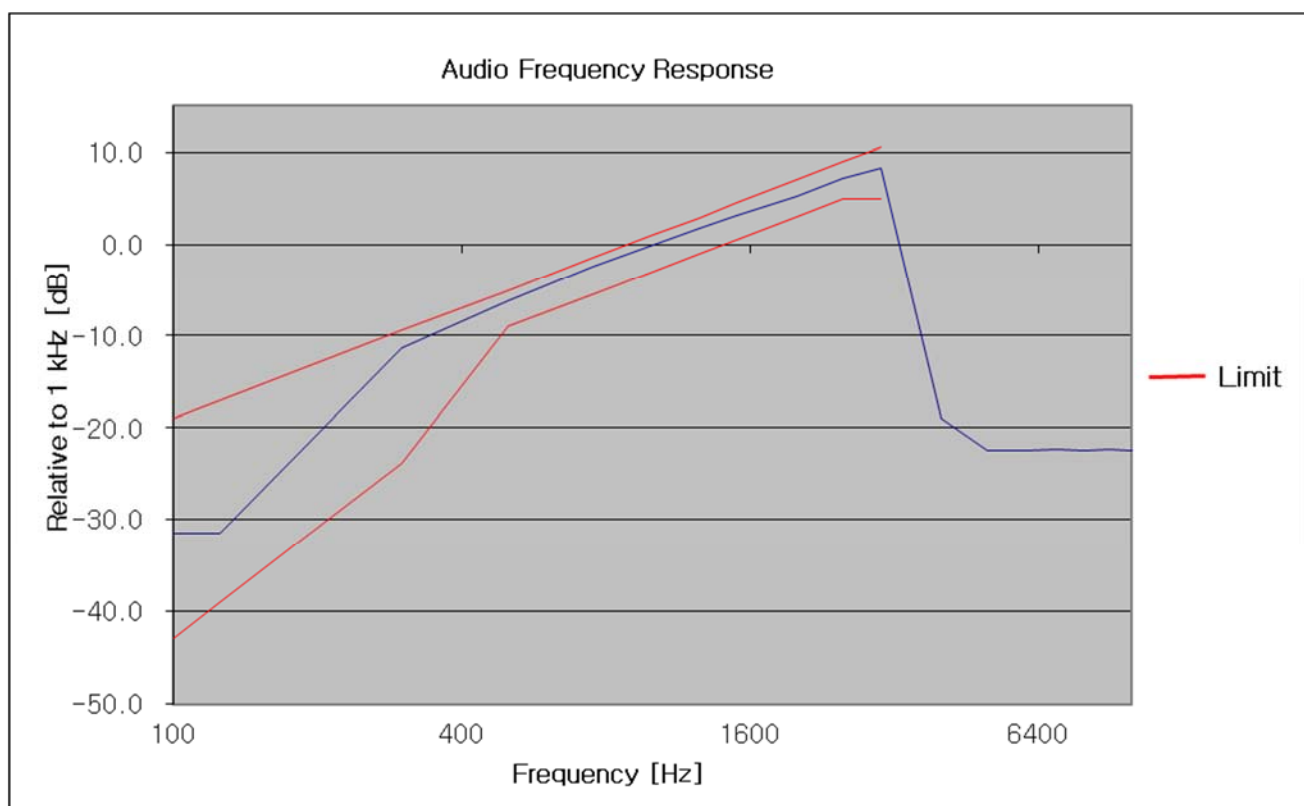
Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-30.99	-18.93	-42.86
125	-31.53	-17.00	-39.00
300	-11.41	-9.42	-23.84
500	-6.04	-5.00	-9.00
750	-2.41	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.77	2.93	-1.07
1500	3.19	4.51	0.51
2000	5.22	7.00	3.00
2500	7.18	8.93	4.93
3000	8.18	10.51	4.93
4000	-17.83	-	-
5000	-21.46	-	-
6000	-21.44	-	-
7000	-21.56	-	-
8000	-21.47	-	-
9000	-21.37	-	-
10000	-21.52	-	-
20000	-21.44	-	-
30000	-21.47	-	-
40000	-21.53	-	-



LOW POWER

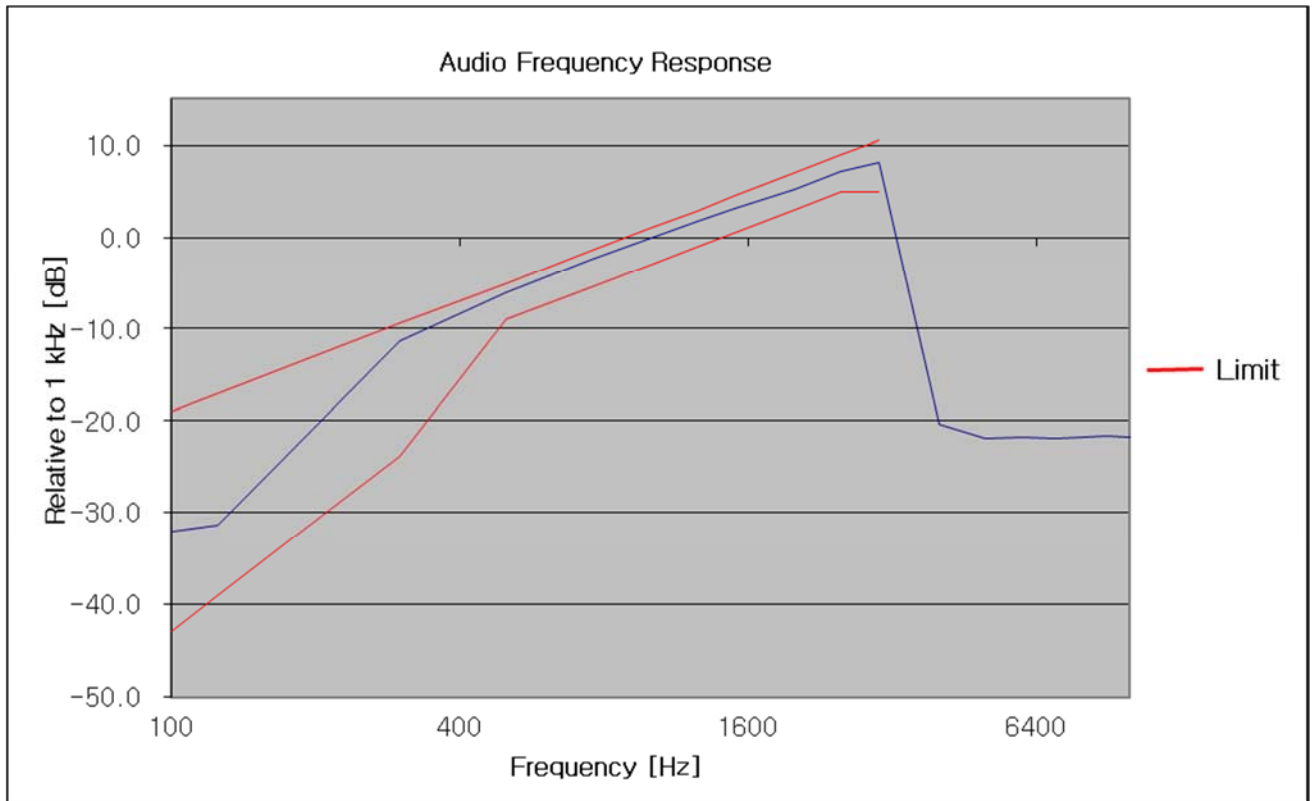
450.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.47	-18.93	-42.86
125	-31.50	-17.00	-39.00
300	-11.38	-9.42	-23.84
500	-6.11	-5.00	-9.00
750	-2.44	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.76	2.93	-1.07
1500	3.19	4.51	0.51
2000	5.22	7.00	3.00
2500	7.17	8.93	4.93
3000	8.23	10.51	4.93
4000	-19.02	-	-
5000	-22.45	-	-
6000	-22.47	-	-
7000	-22.34	-	-
8000	-22.51	-	-
9000	-22.34	-	-
10000	-22.45	-	-
20000	-22.49	-	-
30000	-22.52	-	-
40000	-22.41	-	-



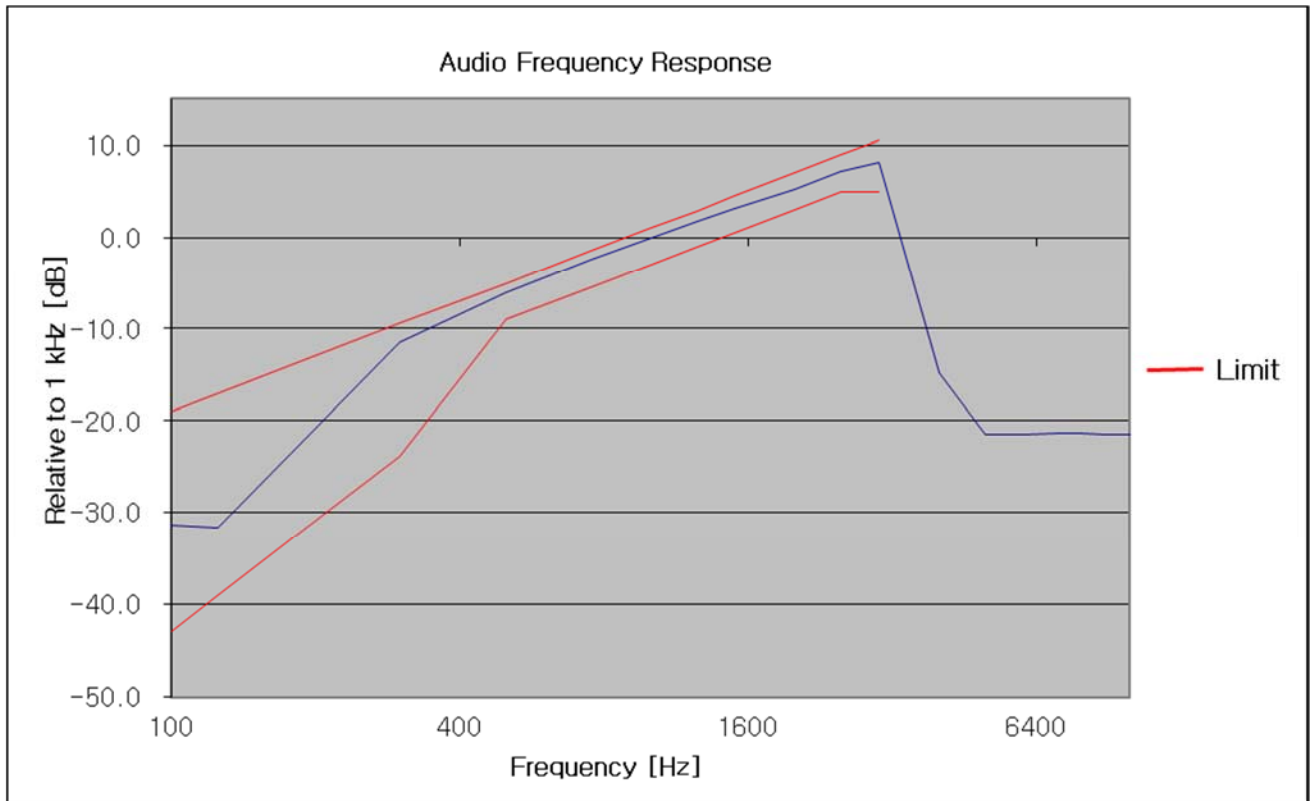
481.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-32.04	-18.93	-42.86
125	-31.34	-17.00	-39.00
300	-11.37	-9.42	-23.84
500	-6.09	-5.00	-9.00
750	-2.43	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.76	2.93	-1.07
1500	3.18	4.51	0.51
2000	5.22	7.00	3.00
2500	7.17	8.93	4.93
3000	8.20	10.51	4.93
4000	-20.35	-	-
5000	-21.87	-	-
6000	-21.72	-	-
7000	-21.84	-	-
8000	-21.78	-	-
9000	-21.66	-	-
10000	-21.81	-	-
20000	-21.71	-	-
30000	-21.81	-	-
40000	-21.74	-	-



511.95 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.37	-18.93	-42.86
125	-31.57	-17.00	-39.00
300	-11.40	-9.42	-23.84
500	-6.04	-5.00	-9.00
750	-2.37	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.79	2.93	-1.07
1500	3.20	4.51	0.51
2000	5.24	7.00	3.00
2500	7.18	8.93	4.93
3000	8.19	10.51	4.93
4000	-14.84	-	-
5000	-21.52	-	-
6000	-21.48	-	-
7000	-21.40	-	-
8000	-21.40	-	-
9000	-21.43	-	-
10000	-21.43	-	-
20000	-21.46	-	-
30000	-21.25	-	-
40000	-21.48	-	-

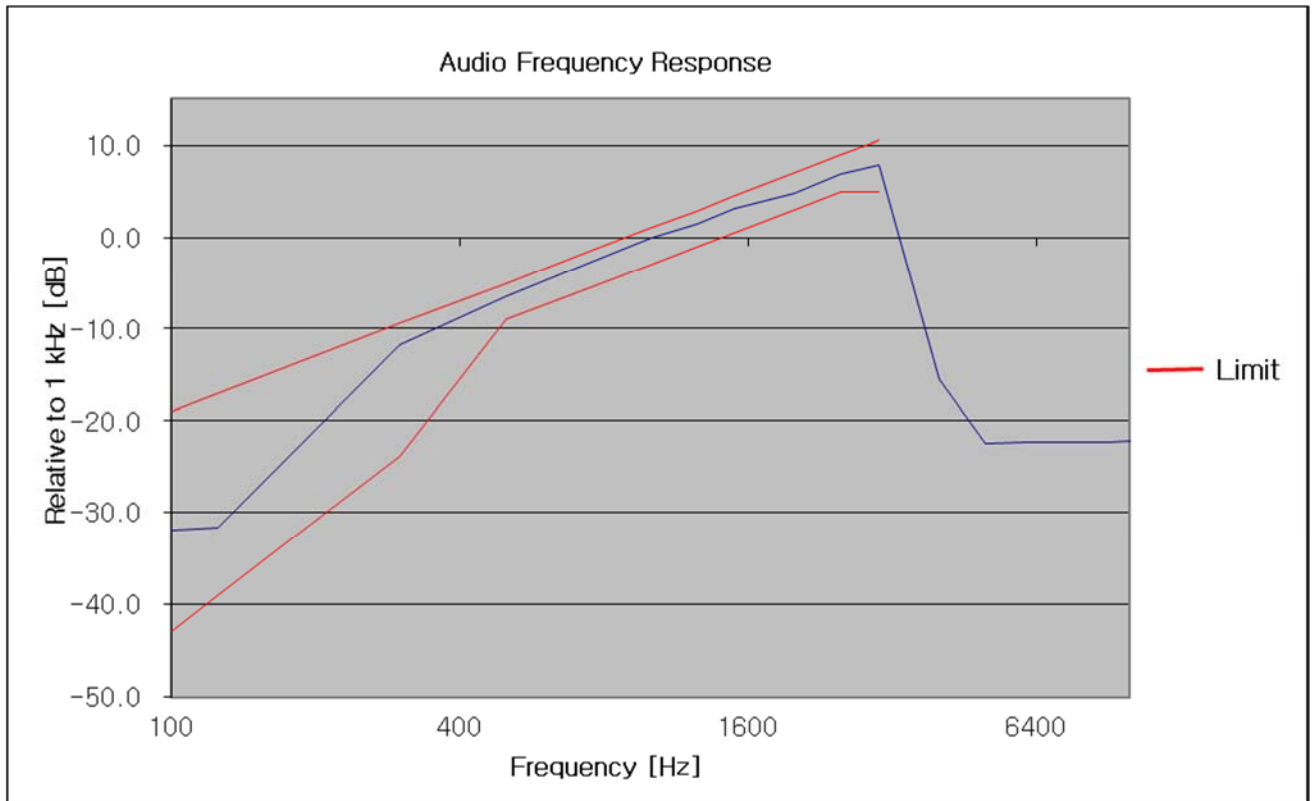


TEST RESULTS (16K0F3E)_5W

HIGH POWER

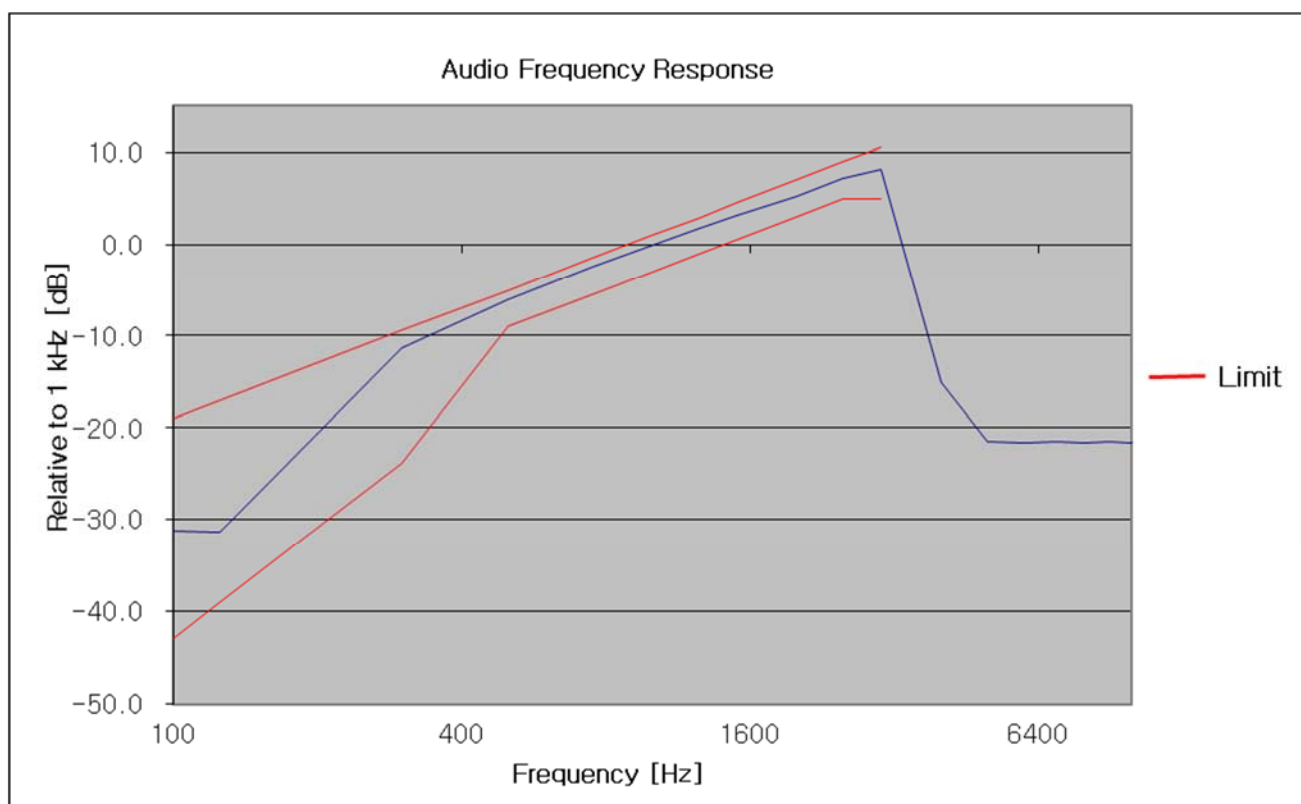
470.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.84	-18.93	-42.86
125	-31.61	-17.00	-39.00
300	-11.69	-9.42	-23.84
500	-6.42	-5.00	-9.00
750	-2.76	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.43	2.93	-1.07
1500	3.11	4.51	0.51
2000	4.88	7.00	3.00
2500	6.85	8.93	4.93
3000	7.87	10.51	4.93
4000	-15.49	-	-
5000	-22.41	-	-
6000	-22.30	-	-
7000	-22.29	-	-
8000	-22.35	-	-
9000	-22.32	-	-
10000	-22.19	-	-
20000	-22.43	-	-
30000	-22.19	-	-
40000	-22.33	-	-



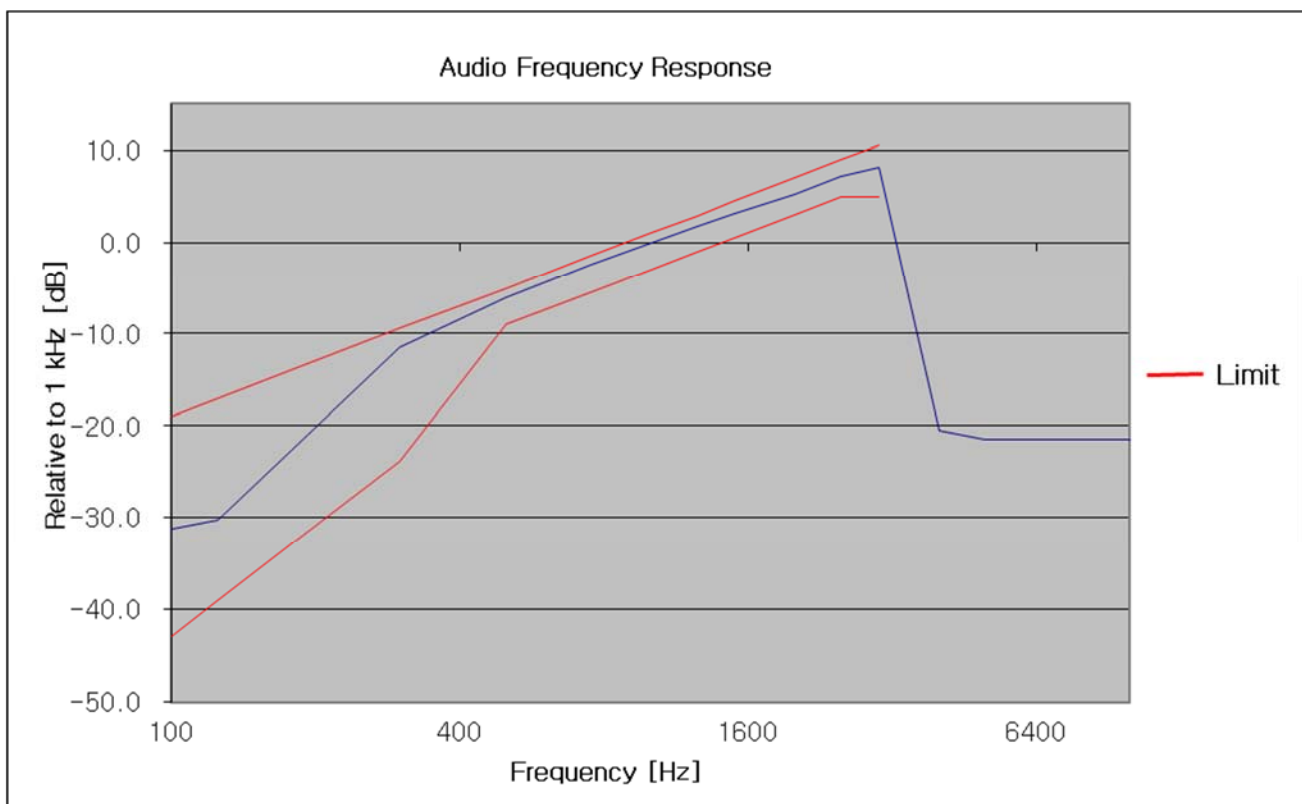
491.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.21	-18.93	-42.86
125	-31.31	-17.00	-39.00
300	-11.37	-9.42	-23.84
500	-6.09	-5.00	-9.00
750	-2.43	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.79	2.93	-1.07
1500	3.20	4.51	0.51
2000	5.23	7.00	3.00
2500	7.21	8.93	4.93
3000	8.21	10.51	4.93
4000	-15.05	-	-
5000	-21.44	-	-
6000	-21.60	-	-
7000	-21.53	-	-
8000	-21.57	-	-
9000	-21.53	-	-
10000	-21.60	-	-
20000	-21.63	-	-
30000	-21.51	-	-
40000	-21.60	-	-



511.95 MHz

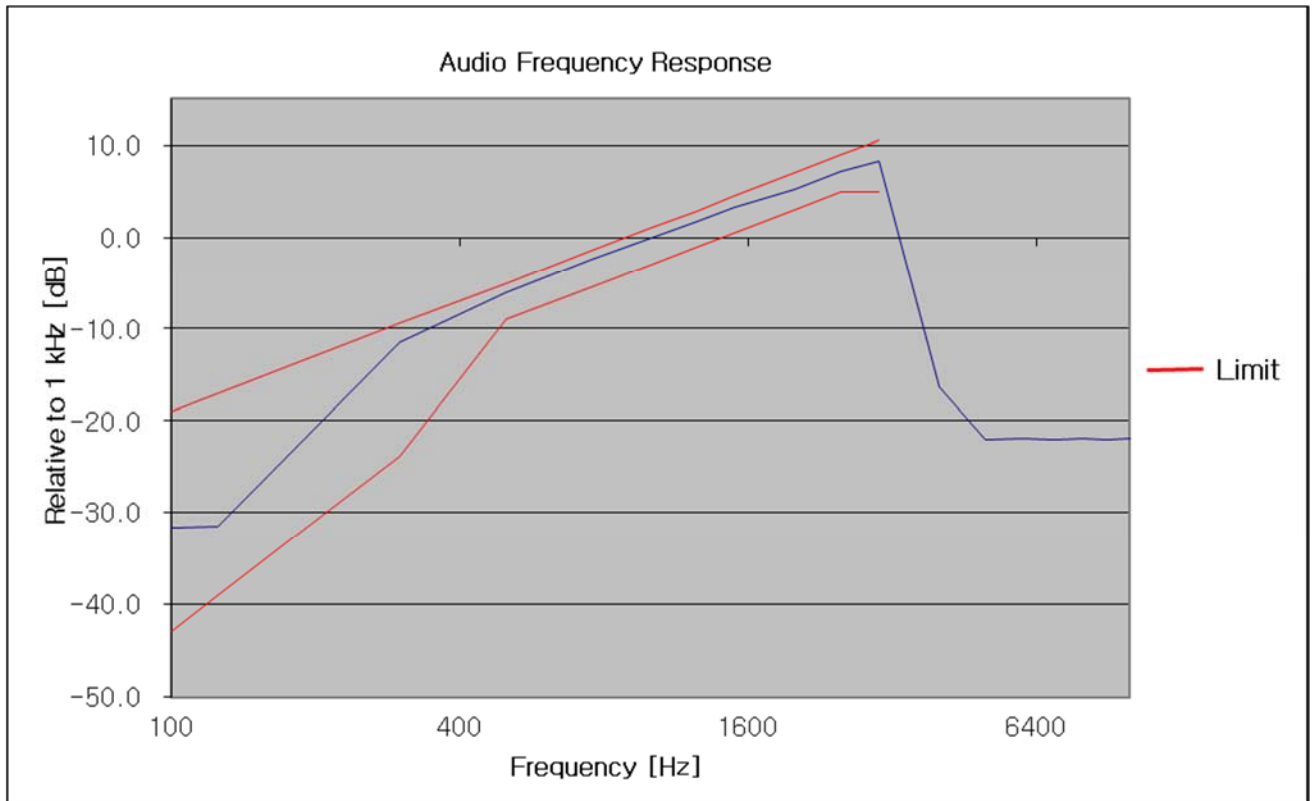
Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.21	-18.93	-42.86
125	-30.25	-17.00	-39.00
300	-11.48	-9.42	-23.84
500	-6.05	-5.00	-9.00
750	-2.39	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.77	2.93	-1.07
1500	3.19	4.51	0.51
2000	5.22	7.00	3.00
2500	7.18	8.93	4.93
3000	8.18	10.51	4.93
4000	-20.53	-	-
5000	-21.42	-	-
6000	-21.48	-	-
7000	-21.48	-	-
8000	-21.44	-	-
9000	-21.47	-	-
10000	-21.44	-	-
20000	-21.57	-	-
30000	-21.51	-	-
40000	-21.45	-	-



LOW POWER

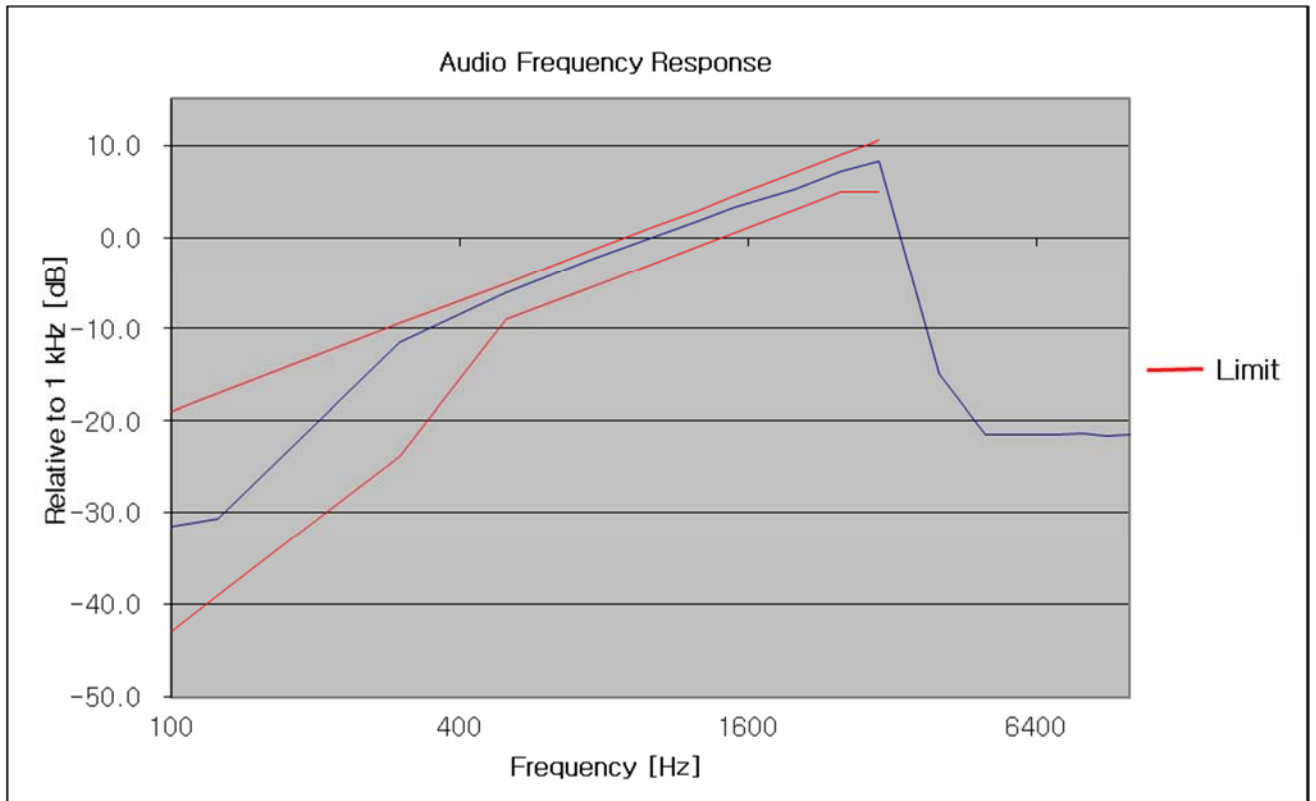
470.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.63	-18.93	-42.86
125	-31.44	-17.00	-39.00
300	-11.43	-9.42	-23.84
500	-6.09	-5.00	-9.00
750	-2.43	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.79	2.93	-1.07
1500	3.22	4.51	0.51
2000	5.24	7.00	3.00
2500	7.19	8.93	4.93
3000	8.24	10.51	4.93
4000	-16.30	-	-
5000	-21.98	-	-
6000	-21.88	-	-
7000	-22.09	-	-
8000	-21.95	-	-
9000	-22.06	-	-
10000	-21.85	-	-
20000	-21.95	-	-
30000	-22.05	-	-
40000	-21.91	-	-



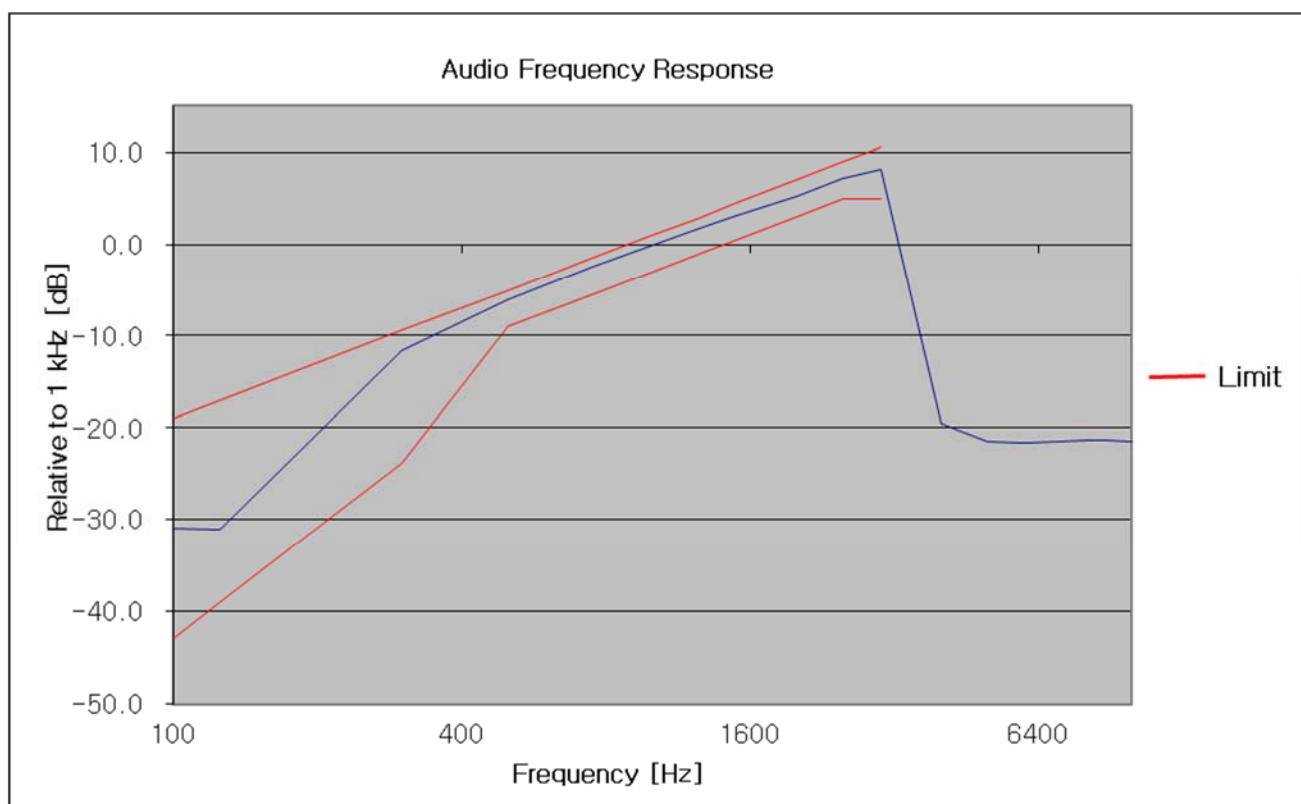
491.05 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-31.53	-18.93	-42.86
125	-30.69	-17.00	-39.00
300	-11.45	-9.42	-23.84
500	-6.09	-5.00	-9.00
750	-2.43	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.79	2.93	-1.07
1500	3.22	4.51	0.51
2000	5.24	7.00	3.00
2500	7.21	8.93	4.93
3000	8.23	10.51	4.93
4000	-14.87	-	-
5000	-21.48	-	-
6000	-21.47	-	-
7000	-21.48	-	-
8000	-21.36	-	-
9000	-21.57	-	-
10000	-21.51	-	-
20000	-21.44	-	-
30000	-21.60	-	-
40000	-21.47	-	-



511.95 MHz

Frequency (Hz)	Attenuation Rel. to 1kHz (dB)	Upper limit (dB)	Lower limit (dB)
100	-30.96	-18.93	-42.86
125	-31.12	-17.00	-39.00
300	-11.60	-9.42	-23.84
500	-6.09	-5.00	-9.00
750	-2.41	-1.49	-5.49
1000	0.00	1.00	-3.00
1250	1.77	2.93	-1.07
1500	3.20	4.51	0.51
2000	5.21	7.00	3.00
2500	7.18	8.93	4.93
3000	8.18	10.51	4.93
4000	-19.49	-	-
5000	-21.42	-	-
6000	-21.56	-	-
7000	-21.41	-	-
8000	-21.39	-	-
9000	-21.35	-	-
10000	-21.54	-	-
20000	-21.42	-	-
30000	-21.44	-	-
40000	-21.54	-	-

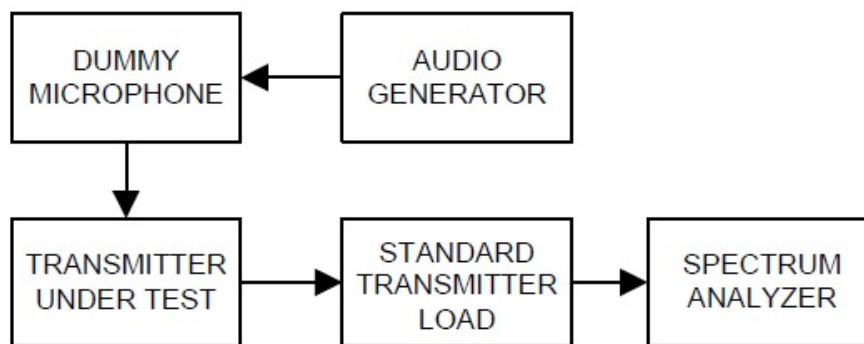


8.6 Emission Mask

■ Definition

The transmitter sideband spectrum denotes the sideband power produced at a discrete frequency separation from the carrier up to the test bandwidth (see 1.3.4.4) due to all sources of unwanted noise within the transmitter in a modulated condition.

■ TEST CONFIGURATION



■ TEST PROCEDURE

According to 2.2.11 in TIA-603-E Standard.

- a) Connect the equipment as illustrated. Use the table to determine the spectrum analyzer resolution bandwidth:

Frequency Band (MHz)	Mask for Equipment with Audio Low Pass Filter	Mask for Equipment without Low Pass Filter	Spectrum Analyzer Resolution Bandwidth (Hz)
25-50	B	C	300
72-76	B	C	300
138-174	NTIA	NTIA	300
150-174	B	C	300
150-174	D or E	D or E	100
406-420	NTIA	NTIA	300
421-512	B	C	300
421-512	D or E	D or E	100
806-821/851-866	B or EA	G or EA	300
821-824/866-869	B	H	300
896-901/935-940	I	J	300

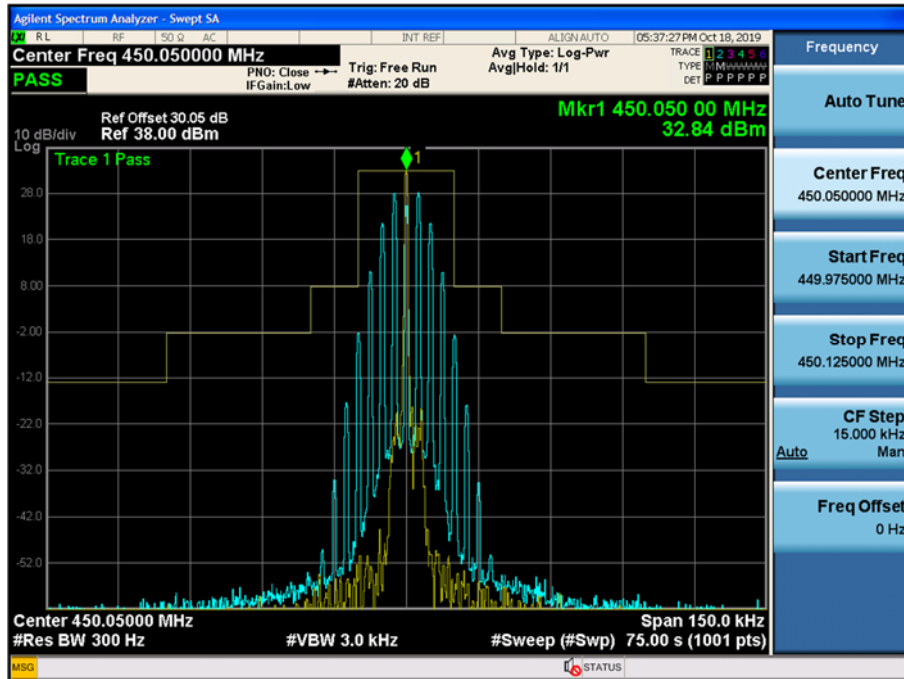
- b) Adjust the spectrum analyzer for the following settings:
 - 1) Resolution Bandwidth per the above table

- 2) Video Bandwidth at least 10 times the resolution bandwidth.
- 3) Sweep Speed slow enough to maintain measurement calibration.
- 4) Detector Mode = Positive Peak.
- 5) Span that will allow proper viewing of the test bandwidth (see 1.3.4.4).
- c) Set the center frequency of the spectrum analyzer to the assigned transmitter frequency. Key the transmitter, and set the level of the unmodulated carrier to a full scale reference line. This is the 0 dB reference for the measurement.
- d) Modulate the transmitter with a 2500 Hz sine wave at an input level 16 dB greater than that necessary to produce 50% of rated system deviation. The input level shall be established at the frequency of maximum response of the audio modulating circuit. Transmitters employing digital modulation techniques that bypass the limiter and the audio low-pass filter shall be modulated as specified by the manufacturer.
- e) Record the resulting spectrum analyzer presentation of the emission level with an on-line recording device or in a photograph. It is recommended that the emission limit (as given in 3.2.11) be drawn on the plotted graph or photograph. The spectrum analyzer presentation is the sideband spectrum.

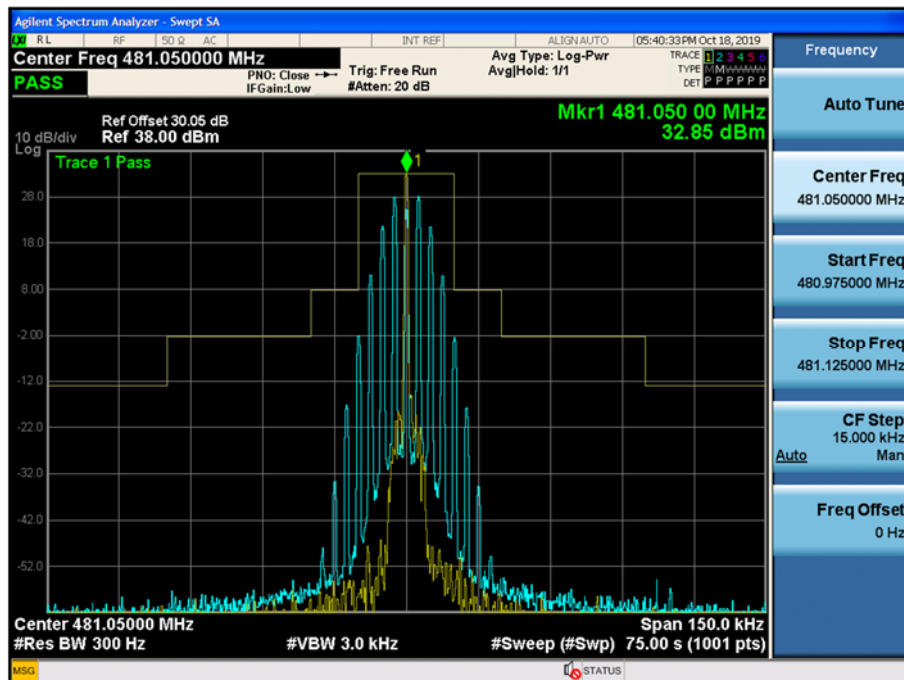
Plots of Emission Mask

16K0F3E_FCC

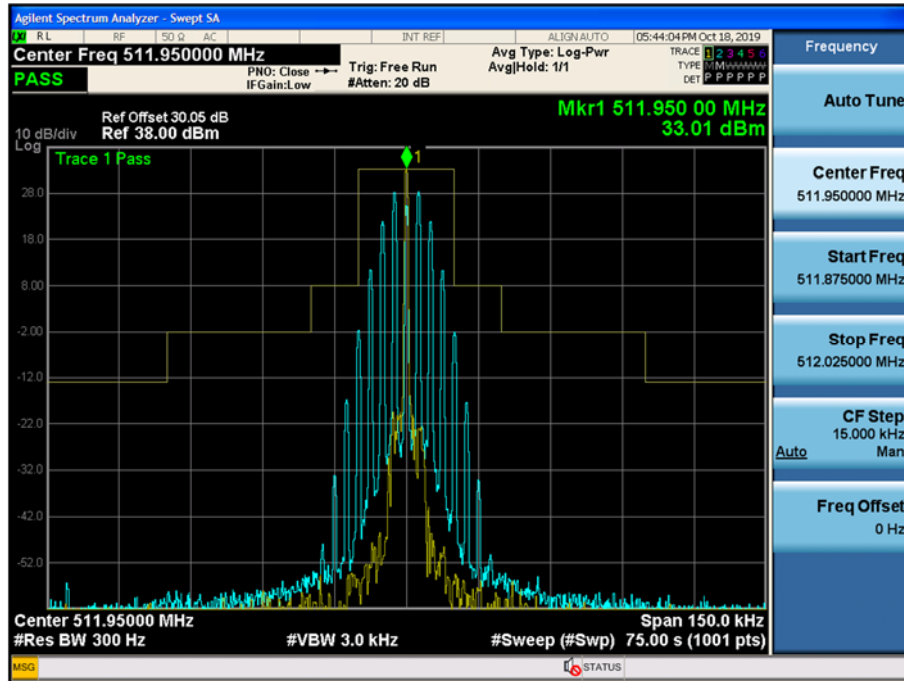
(450.05 MHz)_High_2W



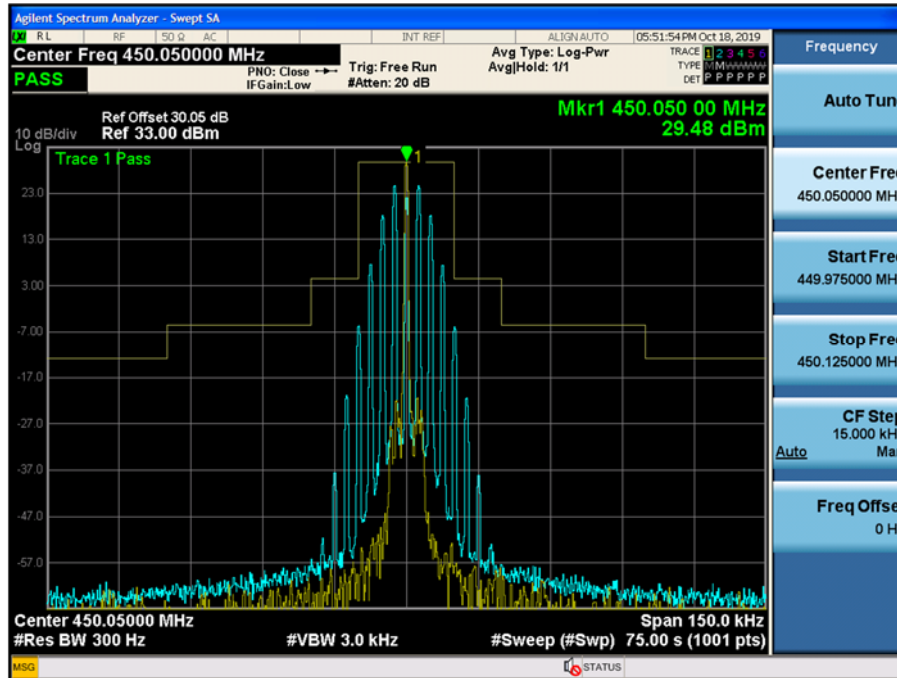
(481.05 MHz)_High_2W



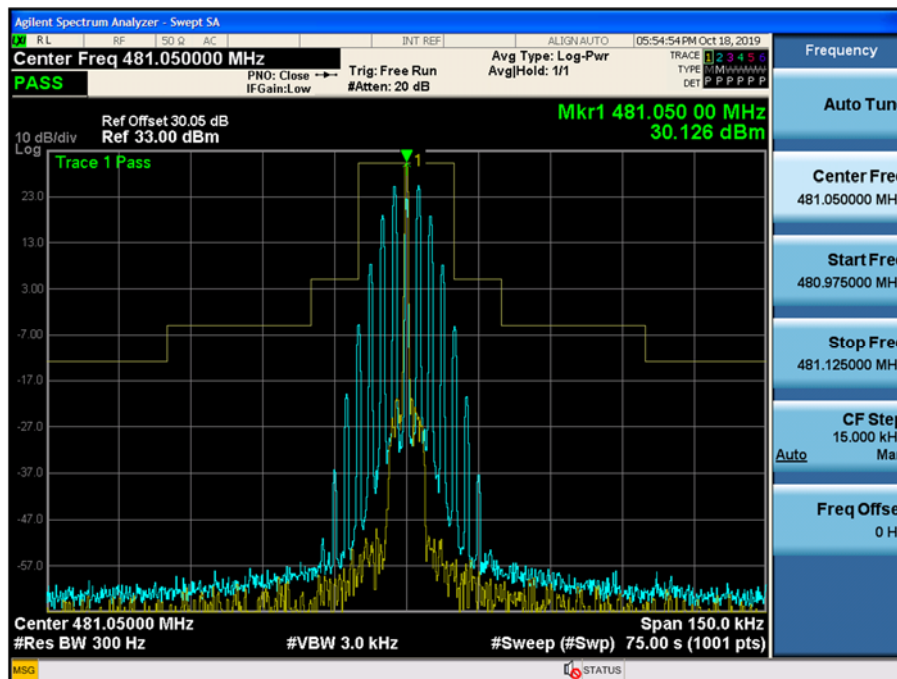
(511.95 MHz)_High_2W



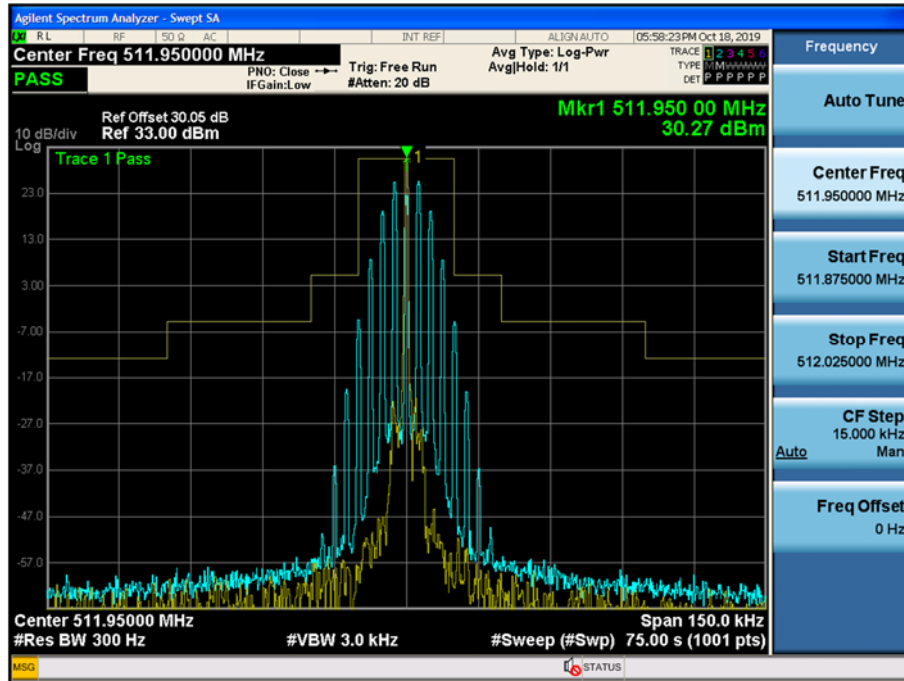
(450.05 MHz)_Low_1W



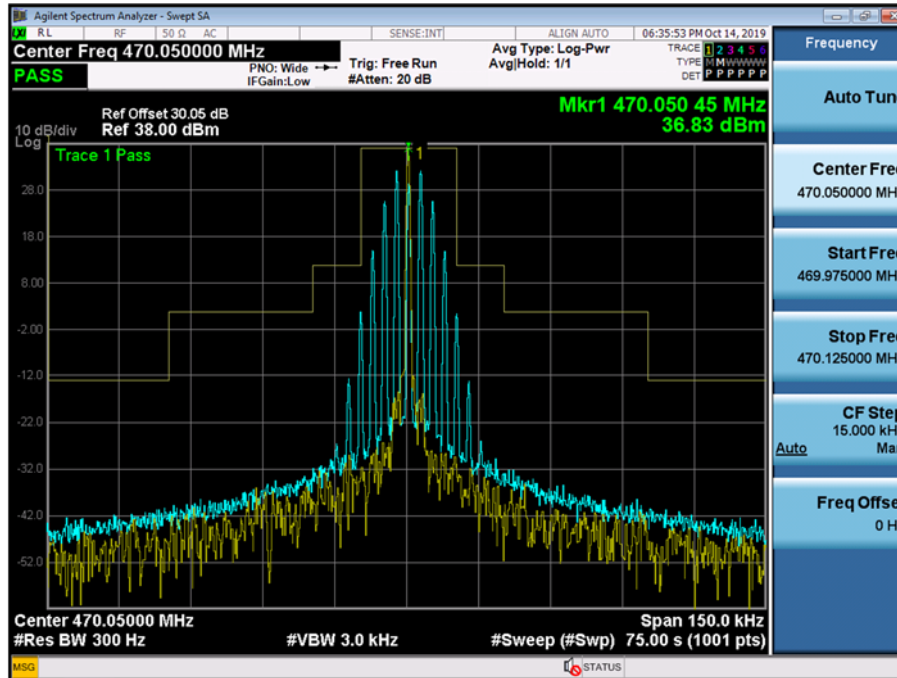
(481.05 MHz)_Low_1W



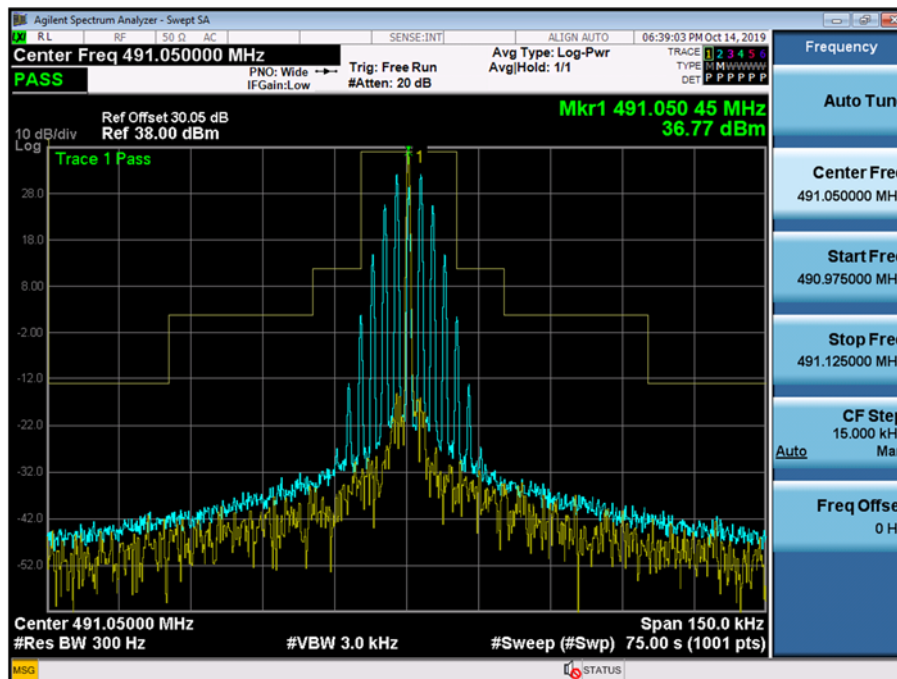
(511.95 MHz)_Low_1W



(470.05 MHz)_High_5W



(491.05 MHz)_High_5W



(511.95 MHz)_High_5W

