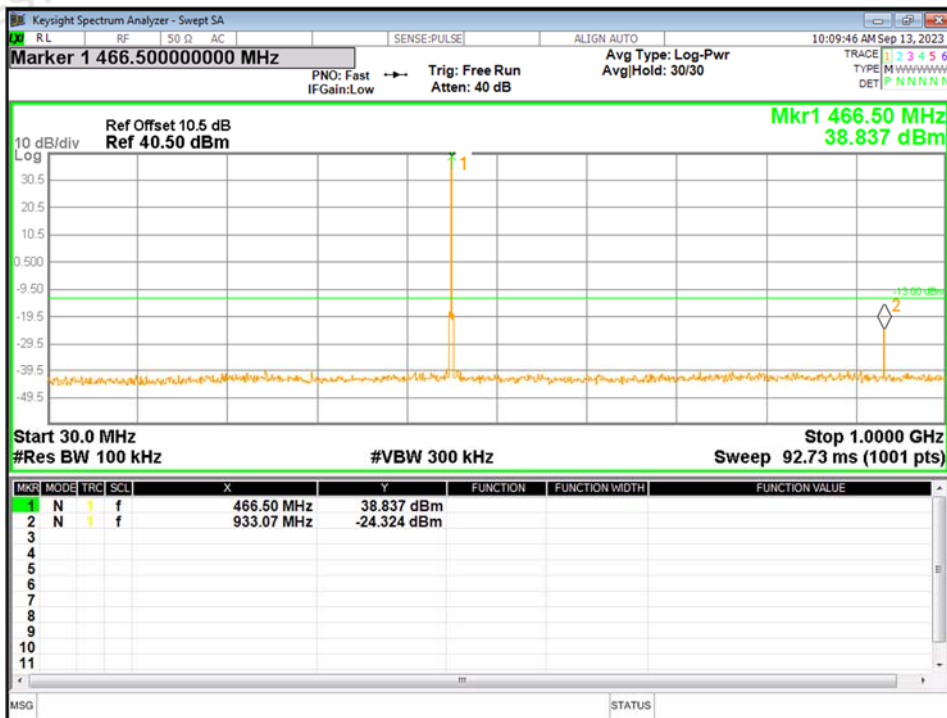
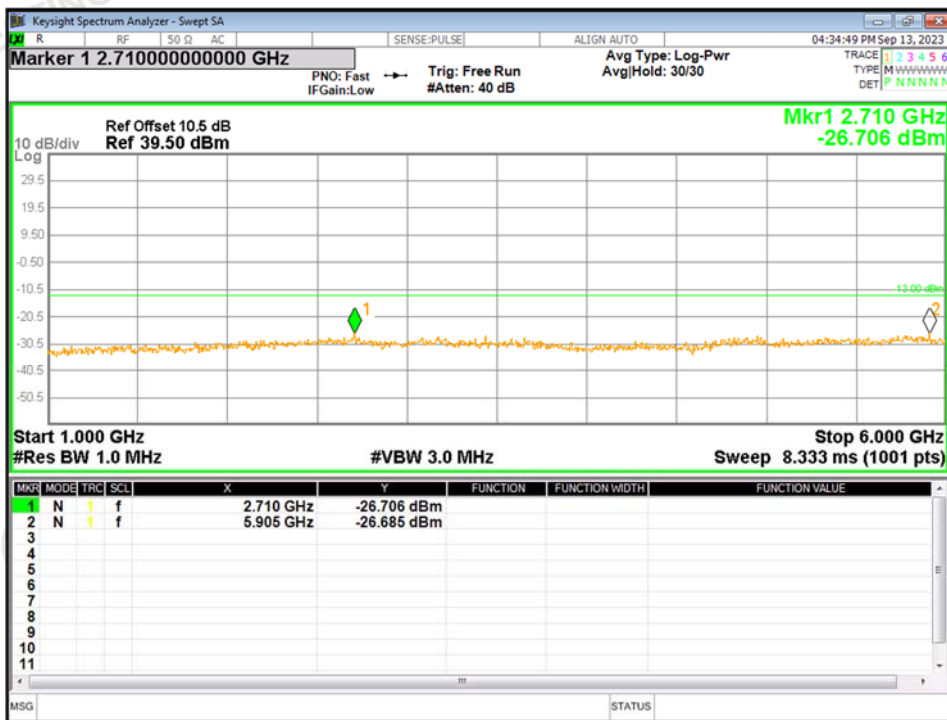


Mode12-466.5MHz 30MHz-1GHz

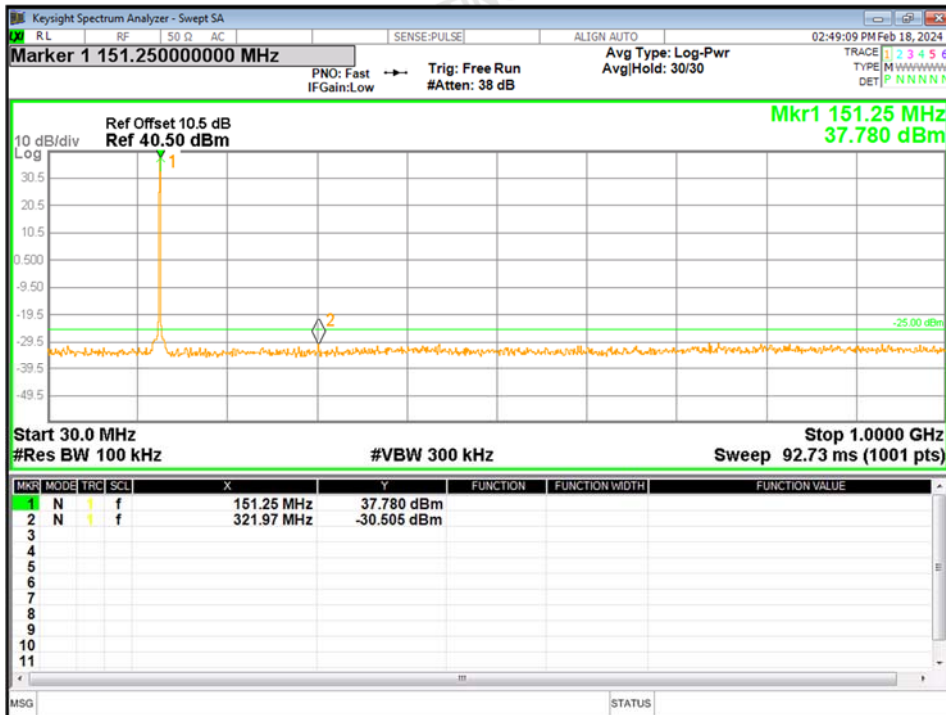


Mode12-466.5MHz 1GHz-6GHz



6.25 kHz:

Mode14-150.80625MHz 30MHz-1GHz



Mode14-150.80625MHz 1GHz-2GHz



8. FREQUENCY STABILITY

8.1 PROVISIONS APPLICABLE

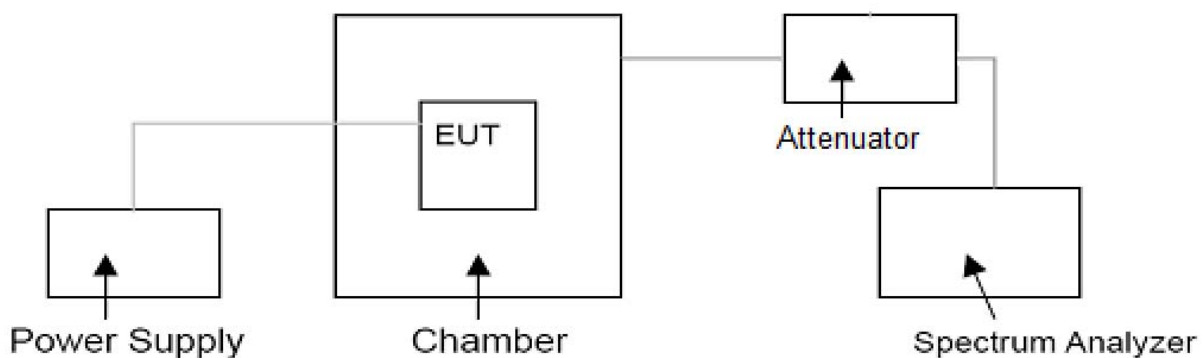
- 1) According to FCC Part 2 Section 2.1055 (a)(1), the frequency stability shall be measured with variation of ambient temperature from -30°C to +50°C centigrade.
- 2) According to FCC Part 2 Section 2.1055 (a) (2), for battery powered equipment, the frequency stability shall be measured with reducing primary supply voltage to the battery operating end point, which is specified by the manufacture.
- 3) Vary primary supply voltage from 85 to 115 percent of the nominal value.
- 4)

Frequency range (MHz)	Fixed and base stations	Mobile stations	
		Over 2 watts output power	2 watts or less output power
Below 25	^{1 2 3} 100	100	200
25-50	20	20	50
72-76	5		50
150-174	^{5 11} 5	^{6 5}	^{4 6 5 0}
216-220	1.0		1.0
220-222 ¹²	0.1	1.5	1.5
421-512	^{7 11 14} 2.5	^{8 5}	^{8 5}
806-809	¹⁴ 1.0	1.5	1.5
809-824	¹⁴ 1.5	2.5	2.5
851-854	1.0	1.5	1.5
854-869	1.5	2.5	2.5
896-901	¹⁴ 0.1	1.5	1.5
902-928	2.5	2.5	2.5
902-928 ¹³	2.5	2.5	2.5
929-930	1.5		
935-940	0.1	1.5	1.5
1427-1435	⁹ 300	300	300
Above 2450 ¹⁰			

8.2 MEASUREMENT PROCEDURE

- a. The EUT was connected to the spectrum analyzer through sufficient attenuation.
- b. The EUT was set in the climate chamber and connected to an external DC power supply
- c. After temperature stabilization (approx. 20 min for each stage), the frequency for the lower, the middle and the highest frequency range was recorded.
- d. For Frequency stability Vs. Voltage the EUT was connected to a DC power supply and the voltage was adjusted in the required ranges. The result was recorded.

8.3 TEST SETUP BLOCK DIAGRAM



8.4 TEST RESULT

12.5 KHz:

Low Power

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 1	30	Normal Voltage	150.8125	150.81251	0.066	2.5ppm	PASS
	-20		150.8125	150.81251	0.066		
	-10		150.8125	150.81258	0.530		
	0		150.8125	150.81252	0.133		
	10		150.8125	150.81257	0.464		
	20		150.8125	150.81250	0.000		
	30		150.8125	150.81247	-0.199		
	40		150.8125	150.81253	0.199		
	50		150.8125	150.81247	-0.199		
	20		Maximum Voltage	150.8125	150.81248		
	20	BEP	150.8125	150.81254	0.265		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 1	30	Normal Voltage	156.4000	156.40002	0.128	2.5ppm	PASS
	-20		156.4000	156.40001	0.064		
	-10		156.4000	156.40001	0.064		
	0		156.4000	156.40003	0.192		
	10		156.4000	156.39993	-0.448		
	20		156.4000	156.39996	-0.256		
	30		156.4000	156.39996	-0.256		
	40		156.4000	156.39997	-0.192		
	50		156.4000	156.39999	-0.064		
	20		Maximum Voltage	156.4000	156.39998		
	20	BEP	156.4000	156.39992	-0.512		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 1	30	Normal Voltage	162.0000	162.00002	0.123	2.5ppm	PASS
	-20		162.0000	162.00003	0.185		
	-10		162.0000	162.00000	0.000		
	0		162.0000	162.00004	0.247		
	10		162.0000	161.99999	-0.062		
	20		162.0000	162.00000	0.000		
	30		162.0000	162.00001	0.062		
	40		162.0000	162.00001	0.062		
	50		162.0000	162.00004	0.247		
	20	Maximum Voltage	162.0000	161.99998	-0.123		
	20	BEP	162.0000	162.00003	0.185		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 3	30	Normal Voltage	173.3000	173.30003	0.173	2.5ppm	PASS
	-20		173.3000	173.30002	0.115		
	-10		173.3000	173.29997	-0.173		
	0		173.3000	173.30001	0.058		
	10		173.3000	173.29993	-0.404		
	20		173.3000	173.30000	0.000		
	30		173.3000	173.30000	0.000		
	40		173.3000	173.30001	0.058		
	50		173.3000	173.29998	-0.115		
	20	Maximum Voltage	173.3000	173.29996	-0.231		
	20	BEP	173.3000	173.30001	0.058		

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 5	30	Normal Voltage	421.0125	421.01258	0.190	2.5ppm	PASS
	-20		421.0125	421.01263	0.309		
	-10		421.0125	421.01283	0.784		
	0		421.0125	421.01215	-0.831		
	10		421.0125	421.01219	-0.736		
	20		421.0125	421.01275	0.594		
	30		421.0125	421.01246	-0.095		
	40		421.0125	421.01267	0.404		
	50		421.0125	421.01230	-0.475		
	20	Maximum Voltage	421.0125	421.01219	-0.736		
	20	BEP	421.0125	421.01261	0.261		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 5	30	Normal Voltage	466.5000	466.49999	-0.021	2.5ppm	PASS
	-20		466.5000	466.49983	-0.364		
	-10		466.5000	466.50025	0.536		
	0		466.5000	466.50001	0.021		
	10		466.5000	466.49957	-0.922		
	20		466.5000	466.50026	0.557		
	30		466.5000	466.50004	0.086		
	40		466.5000	466.50024	0.514		
	50		466.5000	466.50005	0.107		
	20		Maximum Voltage	466.5000	466.49967		
	20	BEP	466.5000	466.50002	0.043		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 5	30	Normal Voltage	511.9875	511.98758	0.156	2.5ppm	PASS
	-20		511.9875	511.98758	0.156		
	-10		511.9875	511.98779	0.566		
	0		511.9875	511.98793	0.840		
	10		511.9875	511.98746	-0.078		
	20		511.9875	511.98782	0.625		
	30		511.9875	511.98754	0.078		
	40		511.9875	511.98774	0.469		
	50		511.9875	511.98762	0.234		
	20		Maximum Voltage	511.9875	511.98726		
	20	BEP	511.9875	511.98763	0.254		

High Power

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 2	30	Normal Voltage	150.8125	150.81251	0.066	2.5ppm	PASS
	-20		150.8125	150.81247	-0.199		
	-10		150.8125	150.81249	-0.066		
	0		150.8125	150.81249	-0.066		
	10		150.8125	150.81251	0.066		
	20		150.8125	150.81251	0.066		
	30		150.8125	150.81256	0.398		
	40		150.8125	150.81243	-0.464		
	50		150.8125	150.81248	-0.133		
	20		Maximum Voltage	150.8125	150.81245		
	20	BEP	150.8125	150.81242	-0.530		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 2	30	Normal Voltage	156.4000	156.40003	0.192	2.5ppm	PASS
	-20		156.4000	156.40001	0.064		
	-10		156.4000	156.39993	-0.448		
	0		156.4000	156.40000	0.000		
	10		156.4000	156.40004	0.256		
	20		156.4000	156.40004	0.256		
	30		156.4000	156.39995	-0.320		
	40		156.4000	156.39992	-0.512		
	50		156.4000	156.40005	0.320		
	20		Maximum Voltage	156.4000	156.39994		
	20	BEP	156.4000	156.40000	0.000		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 2	30	Normal Voltage	162.0000	161.99998	-0.123	2.5ppm	PASS
	-20		162.0000	162.00001	0.062		
	-10		162.0000	162.00006	0.370		
	0		162.0000	162.00008	0.494		
	10		162.0000	162.00003	0.185		
	20		162.0000	161.99995	-0.309		
	30		162.0000	162.00003	0.185		
	40		162.0000	162.00006	0.370		
	50		162.0000	162.00004	0.247		
	20		Maximum Voltage	162.0000	161.99998		
	20	BEP	162.0000	162.00004	0.247		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 4	30	Normal Voltage	173.3000	173.30006	0.346	2.5ppm	PASS
	-20		173.3000	173.30000	0.000		
	-10		173.3000	173.30000	0.000		
	0		173.3000	173.29996	-0.231		
	10		173.3000	173.30008	0.462		
	20		173.3000	173.30002	0.115		
	30		173.3000	173.29999	-0.058		
	40		173.3000	173.30001	0.058		
	50		173.3000	173.30002	0.115		
	20	Maximum Voltage	173.3000	173.30001	0.058		
	20	BEP	173.3000	173.29997	-0.173		

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 6	30	Normal Voltage	421.0125	421.01246	-0.095	2.5ppm	PASS
	-20		421.0125	421.01266	0.380		
	-10		421.0125	421.01236	-0.333		
	0		421.0125	421.01263	0.309		
	10		421.0125	421.01219	-0.736		
	20		421.0125	421.01261	0.261		
	30		421.0125	421.01254	0.095		
	40		421.0125	421.01281	0.736		
	50		421.0125	421.01255	0.119		
	20	Maximum Voltage	421.0125	421.01229	-0.499		
	20	BEP	421.0125	421.01214	-0.855		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 6	30	Normal Voltage	466.5000	466.49972	-0.600	2.5ppm	PASS
	-20		466.5000	466.49989	-0.236		
	-10		466.5000	466.49974	-0.557		
	0		466.5000	466.49959	-0.879		
	10		466.5000	466.49974	-0.557		
	20		466.5000	466.50039	0.836		
	30		466.5000	466.50020	0.429		
	40		466.5000	466.49998	-0.043		
	50		466.5000	466.49986	-0.300		
	20	Maximum Voltage	466.5000	466.49985	-0.322		
	20	BEP	466.5000	466.49969	-0.665		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 6	30	Normal Voltage	511.9875	511.98723	-0.527	2.5ppm	PASS
	-20		511.9875	511.98788	0.742		
	-10		511.9875	511.98790	0.781		
	0		511.9875	511.98740	-0.195		
	10		511.9875	511.98734	-0.313		
	20		511.9875	511.98739	-0.215		
	30		511.9875	511.98723	-0.527		
	40		511.9875	511.98742	-0.156		
	50		511.9875	511.98718	-0.625		
	20		Maximum Voltage	511.9875	511.98753		
	20	BEP	511.9875	511.98749	-0.020		

25 KHz:

Low Power

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 7	30	Normal Voltage	150.8250	150.82506	0.398	2.5ppm	PASS
	-20		150.8250	150.82500	0.000		
	-10		150.8250	150.82504	0.265		
	0		150.8250	150.82505	0.332		
	10		150.8250	150.82502	0.133		
	20		150.8250	150.82503	0.199		
	30		150.8250	150.82502	0.133		
	40		150.8250	150.82492	-0.530		
	50		150.8250	150.82496	-0.265		
	20	Maximum Voltage	150.8250	150.82499	-0.066		
	20	BEP	150.8250	150.82506	0.398		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 7	30	Normal Voltage	156.4000	156.39999	-0.064	2.5ppm	PASS
	-20		156.4000	156.40000	0.000		
	-10		156.4000	156.40000	0.000		
	0		156.4000	156.40001	0.064		
	10		156.4000	156.40004	0.256		
	20		156.4000	156.39996	-0.256		
	30		156.4000	156.39999	-0.064		
	40		156.4000	156.39991	-0.575		
	50		156.4000	156.39999	-0.064		
	20	Maximum Voltage	156.4000	156.40003	0.192		
	20	BEP	156.4000	156.39999	-0.064		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 7	30	Normal Voltage	161.9750	161.97498	-0.123	2.5ppm	PASS
	-20		161.9750	161.97498	-0.123		
	-10		161.9750	161.97501	0.062		
	0		161.9750	161.97502	0.123		
	10		161.9750	161.97505	0.309		
	20		161.9750	161.97501	0.062		
	30		161.9750	161.97501	0.062		
	40		161.9750	161.97498	-0.123		
	50		161.9750	161.97493	-0.432		
	20	Maximum Voltage	161.9750	161.97500	0.000		
	20	BEP	161.9750	161.97498	-0.123		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 9	30	Normal Voltage	173.3000	173.29995	-0.289	2.5ppm	PASS
	-20		173.3000	173.29998	-0.115		
	-10		173.3000	173.29993	-0.404		
	0		173.3000	173.29996	-0.231		
	10		173.3000	173.29999	-0.058		
	20		173.3000	173.30007	0.404		
	30		173.3000	173.29994	-0.346		
	40		173.3000	173.29999	-0.058		
	50		173.3000	173.29997	-0.173		
	20		Maximum Voltage	173.3000	173.29997		
	20	BEP	173.3000	173.29992	-0.462		

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 11	30	Normal Voltage	421.0250	421.02493	-0.166	2.5ppm	PASS
	-20		421.0250	421.02471	-0.689		
	-10		421.0250	421.02460	-0.950		
	0		421.0250	421.02475	-0.594		
	10		421.0250	421.02498	-0.048		
	20		421.0250	421.02487	-0.309		
	30		421.0250	421.02518	0.428		
	40		421.0250	421.02539	0.926		
	50		421.0250	421.02483	-0.404		
	20		Maximum Voltage	421.0250	421.02474		
	20	BEP	421.0250	421.02468	-0.760		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 11	30	Normal Voltage	466.5000	466.50007	0.150	2.5ppm	PASS
	-20		466.5000	466.49979	-0.450		
	-10		466.5000	466.50038	0.815		
	0		466.5000	466.50003	0.064		
	10		466.5000	466.49989	-0.236		
	20		466.5000	466.49985	-0.322		
	30		466.5000	466.50022	0.472		
	40		466.5000	466.49971	-0.622		
	50		466.5000	466.50009	0.193		
	20		Maximum Voltage	466.5000	466.50000		
	20	BEP	466.5000	466.50020	0.429		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 11	30	Normal Voltage	511.9750	511.97466	-0.664	2.5ppm	PASS
	-20		511.9750	511.97499	-0.020		
	-10		511.9750	511.97503	0.059		
	0		511.9750	511.97510	0.195		
	10		511.9750	511.97531	0.605		
	20		511.9750	511.97501	0.020		
	30		511.9750	511.97508	0.156		
	40		511.9750	511.97497	-0.059		
	50		511.9750	511.97479	-0.410		
	20	Maximum Voltage	511.9750	511.97528	0.547		
	20	BEP	469.9875	469.98747	-0.064		

High Power

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 8	30	Normal Voltage	150.8250	150.82500	0.000	2.5ppm	PASS
	-20		150.8250	150.82496	-0.265		
	-10		150.8250	150.82506	0.398		
	0		150.8250	150.82496	-0.265		
	10		150.8250	150.82496	-0.265		
	20		150.8250	150.82494	-0.398		
	30		150.8250	150.82502	0.133		
	40		150.8250	150.82502	0.133		
	50		150.8250	150.82498	-0.133		
	20	Maximum Voltage	150.8250	150.82499	-0.066		
	20	BEP	150.8250	150.82504	0.265		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 8	30	Normal Voltage	156.4000	156.40000	0.000	2.5ppm	PASS
	-20		156.4000	156.40002	0.128		
	-10		156.4000	156.39993	-0.448		
	0		156.4000	156.40002	0.128		
	10		156.4000	156.39993	-0.448		
	20		156.4000	156.40001	0.064		
	30		156.4000	156.39999	-0.064		
	40		156.4000	156.40004	0.256		
	50		156.4000	156.40000	0.000		
	20	Maximum Voltage	156.4000	156.39996	-0.256		
	20	BEP	156.4000	156.40001	0.064		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 8	30	Normal Voltage	161.9750	161.97502	0.123	2.5ppm	PASS
	-20		161.9750	161.97496	-0.247		
	-10		161.9750	161.97492	-0.494		
	0		161.9750	161.97496	-0.247		
	10		161.9750	161.97499	-0.062		
	20		161.9750	161.97500	0.000		
	30		161.9750	161.97501	0.062		
	40		161.9750	161.97501	0.062		
	50		161.9750	161.97496	-0.247		
	20	Maximum Voltage	161.9750	161.97500	0.000		
	20	BEP	161.9750	161.97499	-0.062		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 10	30	Normal Voltage	173.3000	173.30005	0.289	2.5ppm	PASS
	-20		173.3000	173.30002	0.115		
	-10		173.3000	173.30004	0.231		
	0		173.3000	173.30001	0.058		
	10		173.3000	173.29995	-0.289		
	20		173.3000	173.30008	0.462		
	30		173.3000	173.29999	-0.058		
	40		173.3000	173.30003	0.173		
	50		173.3000	173.30002	0.115		
	20	Maximum Voltage	173.3000	173.30005	0.289		
	20	BEP	173.3000	173.30003	0.173		

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 12	30	Normal Voltage	421.0250	421.02487	-0.309	2.5ppm	PASS
	-20		421.0250	421.02531	0.736		
	-10		421.0250	421.02528	0.665		
	0		421.0250	421.02475	-0.594		
	10		421.0250	421.02482	-0.428		
	20		421.0250	421.02513	0.309		
	30		421.0250	421.02500	0.000		
	40		421.0250	421.02501	0.024		
	50		421.0250	421.02475	-0.594		
	20	Maximum Voltage	421.0250	421.02461	-0.926		
	20	BEP	421.0250	421.02498	-0.048		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 12	30	Normal Voltage	466.5000	466.49974	-0.557	2.5ppm	PASS
	-20		466.5000	466.49974	-0.557		
	-10		466.5000	466.49995	-0.107		
	0		466.5000	466.49976	-0.514		
	10		466.5000	466.50000	0.000		
	20		466.5000	466.50041	0.879		
	30		466.5000	466.50007	0.150		
	40		466.5000	466.49962	-0.815		
	50		466.5000	466.49996	-0.086		
	20		Maximum Voltage	466.5000	466.50009		
	20	BEP	466.5000	466.50018	0.386		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 12	30	Normal Voltage	511.9750	511.97502	0.039	2.5ppm	PASS
	-20		511.9750	511.97514	0.273		
	-10		511.9750	511.97487	-0.254		
	0		511.9750	511.97469	-0.605		
	10		511.9750	511.97507	0.137		
	20		511.9750	511.97474	-0.508		
	30		511.9750	511.97505	0.098		
	40		511.9750	511.97518	0.352		
	50		511.9750	511.97501	0.020		
	20		Maximum Voltage	511.9750	511.97509		
	20	BEP	469.9875	469.98749	-0.021		

6.25KHz

Low Power

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 13	30	Normal Voltage	150.80625	150.80623	-0.133	2ppm	PASS
	-20		150.80625	150.80624	-0.066		
	-10		150.80625	150.80629	0.265		
	0		150.80625	150.80630	0.332		
	10		150.80625	150.80626	0.066		
	20		150.80625	150.80622	-0.199		
	30		150.80625	150.80623	-0.133		
	40		150.80625	150.80629	0.265		
	50		150.80625	150.80628	0.199		
	20		Maximum Voltage	150.80625	150.80627		
	20	BEP	150.80625	150.80624	-0.066		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 13	30	Normal Voltage	156.40000	156.40004	0.256	2ppm	PASS
	-20		156.40000	156.40003	0.192		
	-10		156.40000	156.40001	0.064		
	0		156.40000	156.40000	0.000		
	10		156.40000	156.39989	-0.703		
	20		156.40000	156.40002	0.128		
	30		156.40000	156.39993	-0.448		
	40		156.40000	156.40001	0.064		
	50		156.40000	156.39999	-0.064		
	20		Maximum Voltage	156.40000	156.40001		
	20	BEP	156.40000	156.39991	-0.575		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 13	30	Normal Voltage	162.00625	162.00623	-0.123	2ppm	PASS
	-20		162.00625	162.00627	0.123		
	-10		162.00625	162.00622	-0.185		
	0		162.00625	162.00635	0.617		
	10		162.00625	162.00626	0.062		
	20		162.00625	162.00633	0.494		
	30		162.00625	162.00623	-0.123		
	40		162.00625	162.00634	0.556		
	50		162.00625	162.00628	0.185		
	20		Maximum Voltage	162.00625	162.00621		
	20	BEP	162.00625	162.00627	0.123		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 15	30	Normal Voltage	173.30000	173.30002	0.115	2ppm	PASS
	-20		173.30000	173.30005	0.289		
	-10		173.30000	173.29993	-0.404		
	0		173.30000	173.29998	-0.115		
	10		173.30000	173.29987	-0.750		
	20		173.30000	173.29991	-0.519		
	30		173.30000	173.29997	-0.173		
	40		173.30000	173.30007	0.404		
	50		173.30000	173.29991	-0.519		
	20		Maximum Voltage	173.30000	173.30001		
	20	BEP	173.30000	173.30003	0.173		

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 17	30	Normal Voltage	421.00625	421.00633	0.190	1ppm	PASS
	-20		421.00625	421.00639	0.333		
	-10		421.00625	421.00654	0.689		
	0		421.00625	421.00587	-0.903		
	10		421.00625	421.00595	-0.713		
	20		421.00625	421.00647	0.523		
	30		421.00625	421.00625	0.000		
	40		421.00625	421.00640	0.356		
	50		421.00625	421.00612	-0.309		
	20		Maximum Voltage	421.00625	421.00594		
	20	BEP	421.00625	421.00639	0.333		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 17	30	Normal Voltage	466.50000	466.49996	-0.086	1ppm	PASS
	-20		466.50000	466.49976	-0.514		
	-10		466.50000	466.50023	0.493		
	0		466.50000	466.50002	0.043		
	10		466.50000	466.49963	-0.793		
	20		466.50000	466.50024	0.514		
	30		466.50000	466.50011	0.236		
	40		466.50000	466.50023	0.493		
	50		466.50000	466.50005	0.107		
	20		Maximum Voltage	466.50000	466.49966		
	20	BEP	466.50000	466.50000	0.000		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 17	30	Normal Voltage	511.99375	511.99372	-0.059	1ppm	PASS
	-20		511.99375	511.99390	0.293		
	-10		511.99375	511.99407	0.625		
	0		511.99375	511.99418	0.840		
	10		511.99375	511.99369	-0.117		
	20		511.99375	511.99410	0.684		
	30		511.99375	511.99378	0.059		
	40		511.99375	511.99399	0.469		
	50		511.99375	511.99396	0.410		
	20		Maximum Voltage	511.99375	511.99347		
	20	BEP	511.99375	511.99390	0.293		

High Power

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 14	30	Normal Voltage	150.80625	150.80626	0.066	2ppm	PASS
	-20		150.80625	150.80631	0.398		
	-10		150.80625	150.80629	0.265		
	0		150.80625	150.80624	-0.066		
	10		150.80625	150.80632	0.464		
	20		150.80625	150.80627	0.133		
	30		150.80625	150.80626	0.066		
	40		150.80625	150.80620	-0.332		
	50		150.80625	150.80624	-0.066		
	20		Maximum Voltage	150.80625	150.80614		
	20	BEP	150.80625	150.80616	-0.597		

Middle Channel

Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 14	30	Normal Voltage	156.40000	156.40011	0.703	2ppm	PASS
	-20		156.40000	156.40001	0.064		
	-10		156.40000	156.39999	-0.064		
	0		156.40000	156.40002	0.128		
	10		156.40000	156.40002	0.128		
	20		156.40000	156.40005	0.320		
	30		156.40000	156.39990	-0.639		
	40		156.40000	156.39987	-0.831		
	50		156.40000	156.40002	0.128		
	20		Maximum Voltage	156.40000	156.39998		
	20	BEP	156.40000	156.40001	0.064		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 14	30	Normal Voltage	162.00625	162.00622	-0.185	2ppm	PASS
	-20		162.00625	162.00627	0.123		
	-10		162.00625	162.00638	0.802		
	0		162.00625	162.00636	0.679		
	10		162.00625	162.00636	0.679		
	20		162.00625	162.00617	-0.494		
	30		162.00625	162.00630	0.309		
	40		162.00625	162.00631	0.370		
	50		162.00625	162.00620	-0.309		
	20	Maximum Voltage	162.00625	162.00626	0.062		
	20	BEP	162.00625	162.00631	0.370		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 16	30	Normal Voltage	173.30000	173.30004	0.231	2ppm	PASS
	-20		173.30000	173.30005	0.289		
	-10		173.30000	173.30001	0.058		
	0		173.30000	173.30003	0.173		
	10		173.30000	173.30006	0.346		
	20		173.30000	173.30006	0.346		
	30		173.30000	173.29998	-0.115		
	40		173.30000	173.29999	-0.058		
	50		173.30000	173.30008	0.462		
	20	Maximum Voltage	173.30000	173.30003	0.173		
	20	BEP	173.30000	173.29995	-0.289		

Low Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 18	30	Normal Voltage	421.00625	421.00621	-0.095	1ppm	PASS
	-20		421.00625	421.00639	0.333		
	-10		421.00625	421.00609	-0.380		
	0		421.00625	421.00636	0.261		
	10		421.00625	421.00593	-0.760		
	20		421.00625	421.00633	0.190		
	30		421.00625	421.00635	0.238		
	40		421.00625	421.00653	0.665		
	50		421.00625	421.00625	0.000		
	20	Maximum Voltage	421.00625	421.00606	-0.451		
	20	BEP	421.00625	421.00583	-0.998		

Middle Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 18	30	Normal Voltage	466.50000	466.49972	-0.600	1ppm	PASS
	-20		466.50000	466.49988	-0.257		
	-10		466.50000	466.49969	-0.665		
	0		466.50000	466.49961	-0.836		
	10		466.50000	466.49974	-0.557		
	20		466.50000	466.50037	0.793		
	30		466.50000	466.50013	0.279		
	40		466.50000	466.49992	-0.171		
	50		466.50000	466.49993	-0.150		
	20	Maximum Voltage	466.50000	466.49986	-0.300		
	20	BEP	466.50000	466.49968	-0.686		

High Channel							
Operation Mode	Temperature (°C)	Voltage (V)	Nominal Frequency (MHz)	Measured Frequency (MHz)	Frequency Deviation (ppm)	Limits	Result
Mode 18	30	Normal Voltage	511.99375	511.99349	-0.508	1ppm	PASS
	-20		511.99375	511.99414	0.762		
	-10		511.99375	511.99418	0.840		
	0		511.99375	511.99360	-0.293		
	10		511.99375	511.99351	-0.469		
	20		511.99375	511.99360	-0.293		
	30		511.99375	511.99349	-0.508		
	40		511.99375	511.99368	-0.137		
	50		511.99375	511.99342	-0.645		
	20	Maximum Voltage	511.99375	511.99377	0.039		
	20	BEP	511.99375	511.99373	-0.039		

9. TRANSIENT FREQUENCY BEHAVIOR

9.1 PROVISIONS APPLICABLE

Section 90.214

Transient frequencies must be within the maximum frequency difference limits during the time intervals indicated:

Time intervals ^{1, 2}	Maximum frequency difference ³	All equipment	
		150 to 174 MHz	421 to 512MHz
Transient Frequency Behavior for Equipment Designed to Operate on 25 KHz Channels			
t_1 ⁴	± 25.0 KHz	5.0 ms	10.0 ms
t_2	± 12.5 KHz	20.0 ms	25.0 ms
t_3 ⁴	± 25.0 KHz	5.0 ms	10.0 ms
Transient Frequency Behavior for Equipment Designed to Operate on 12.5 KHz Channels			
t_1 ⁴	± 12.5 KHz	5.0 ms	10.0 ms
t_2	± 6.25 KHz	20.0 ms	25.0 ms
t_3 ⁴	± 12.5 KHz	5.0 ms	10.0 ms
Transient Frequency Behavior for Equipment Designed to Operate on 6.25 KHz Channels			
t_1 ⁴	±6.25 KHz	5.0 ms	10.0 ms
t_2	±3.125 KHz	20.0 ms	25.0 ms
t_3 ⁴	±6.25 KHz	5.0 ms	10.0 ms

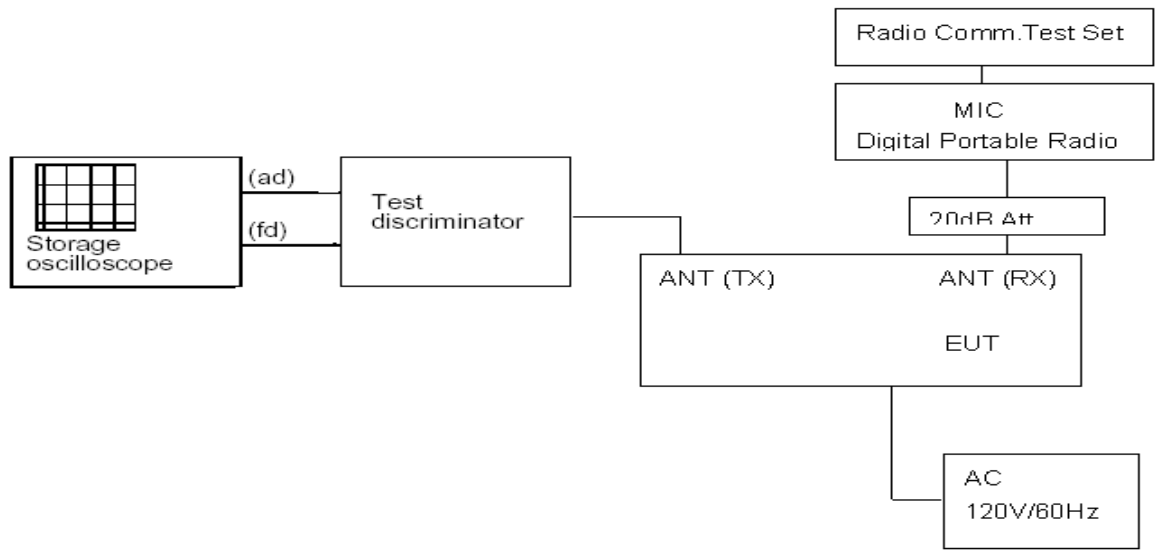
- t_{on} is the instant when a 1 KHz test signal is completely suppressed, including any capture time due to phasing.
 t_1 is the time period immediately following t_{on} .
 t_2 is the time period immediately following t_1 .
 t_3 is the time period from the instant when the transmitter is turned off until t_{off} .
 t_{off} is the instant when the 1 KHz test signal starts to rise.
- During the time from the end of t_2 to the beginning of t_3 , the frequency difference must not exceed the limits specified in § 90.213.
- Difference between the actual transmitter frequency and the assigned transmitter frequency.
- If the transmitter carrier output power rating is 6 watts or less, the frequency difference during this time period may exceed the maximum frequency difference for this time period.

9.2 MEASUREMENT PROCEDURE

Use Digital portable radio which manufactured by VictelGlobal Communications Corporation

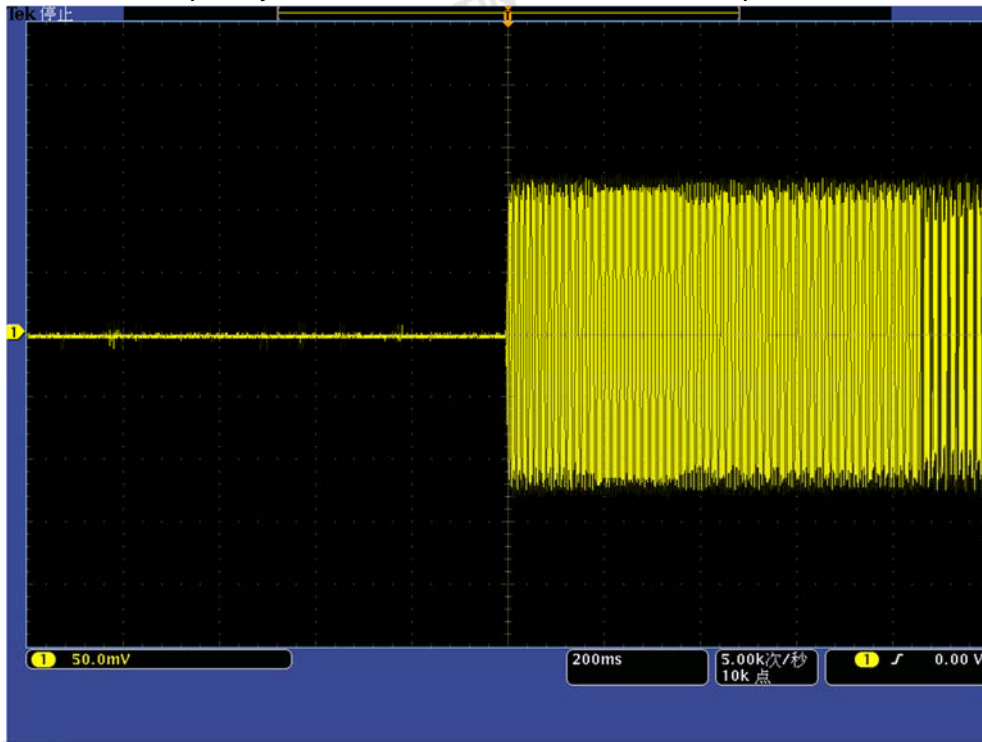
- Limited which uses same protocol as the DUT connect to RX antenna by 20Att in order to avoid damaging DUT;
- Connect DUT into Test discriminator and Storage Oscilloscope and keep DUT stats ON;
- Inut 1KHz signal into digital portable radio;
- Set the modulation domain analyzer to trigger on the rising edge of the waveform in order to capture a single-shot turn-on of the transmitter signals;
- Keep the digital protable radio in OFF state and Key the PTT of digital portable radio;
Observe the stored oscilloscope of modulation domain analyzer.The signal trace shall be
- maintained within the allowable limits during the periods t_1 and t_2 ,and shall also remain within limits following t_2 ;
- Adjust the modulation domain anzlyzer to trigger on the falling edge of the transmitter waveform in order to capture a single-shot turn-off transmitter of the transmitter signal.
- Keep the digital portable radio in ON state and Unkey the PTT of digital portable radio;
- Observe the stored oscilloscope of modulation domain analyzer.The signal trace shall be maintained within the allowable limits during the period t_3

9.3 TEST SETUP BLOCK DIAGRAM

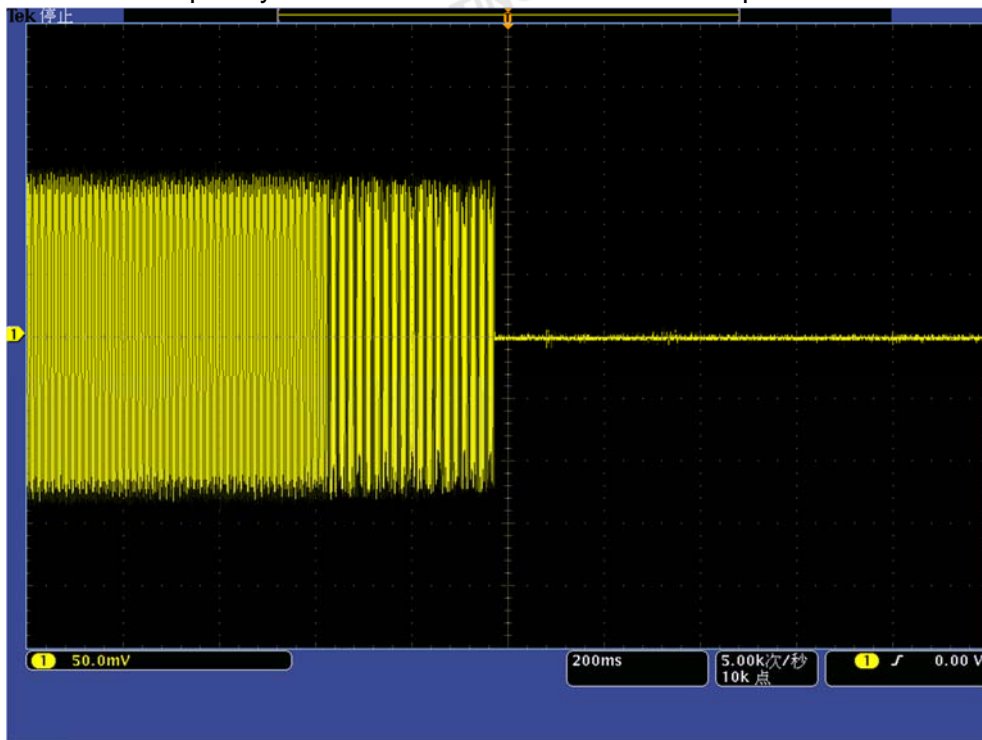


9.4 TEST RESULT

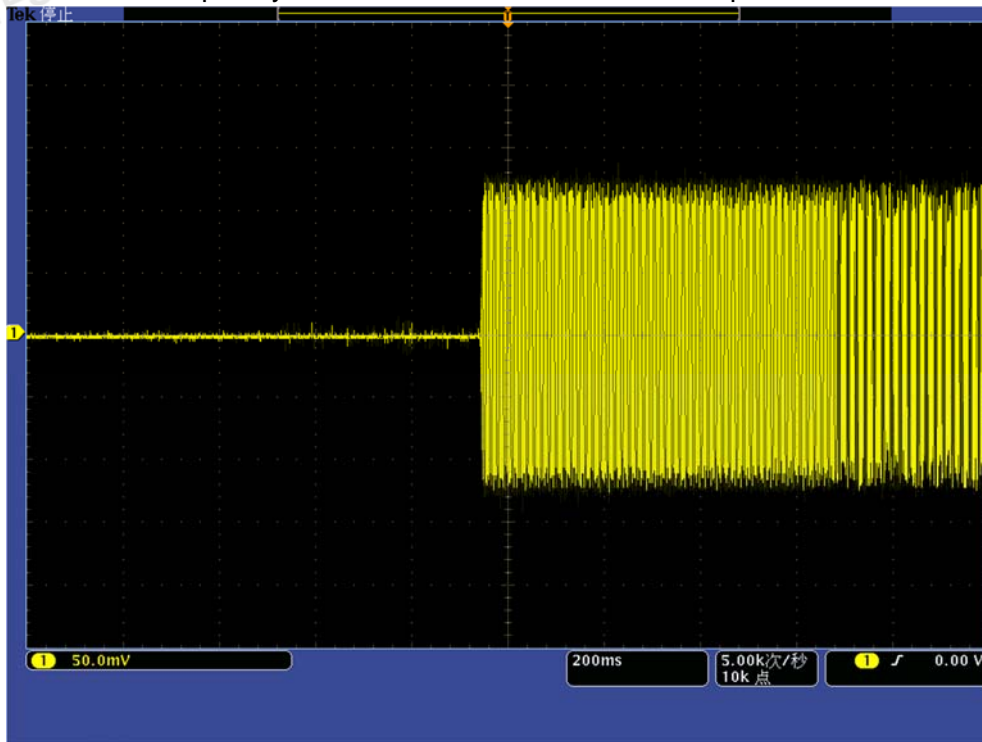
Transmitter Frequency Behaviour @ 12.5 KHz Channel Separation-----Off – On



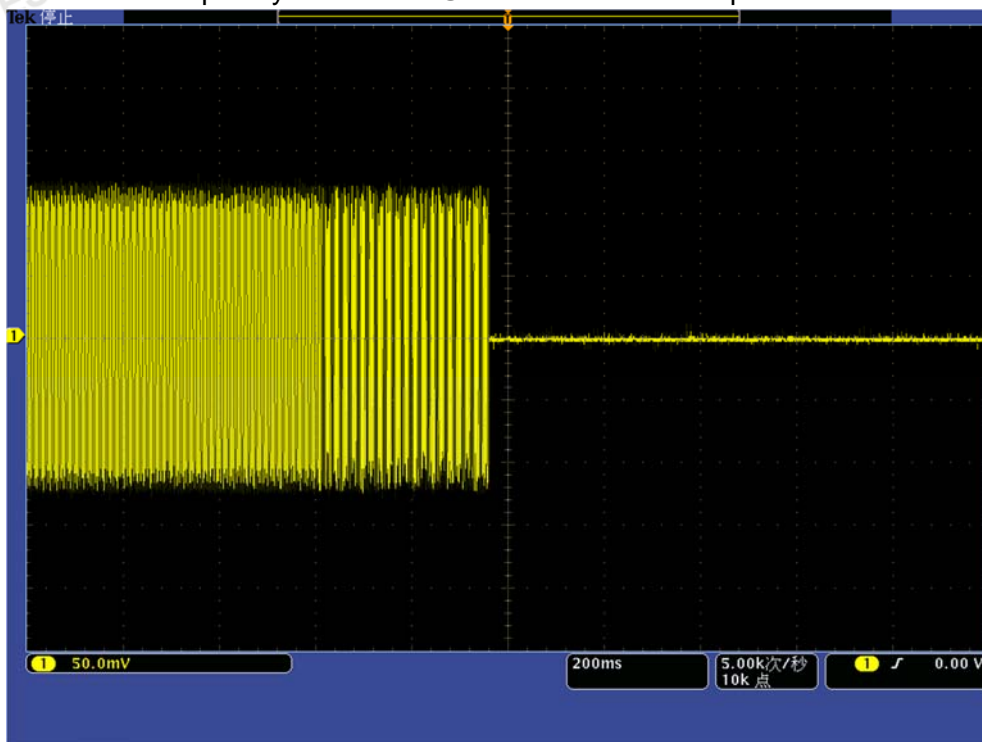
Transmitter Frequency Behaviour @ 12.5 KHz Channel Separation-----On – Off



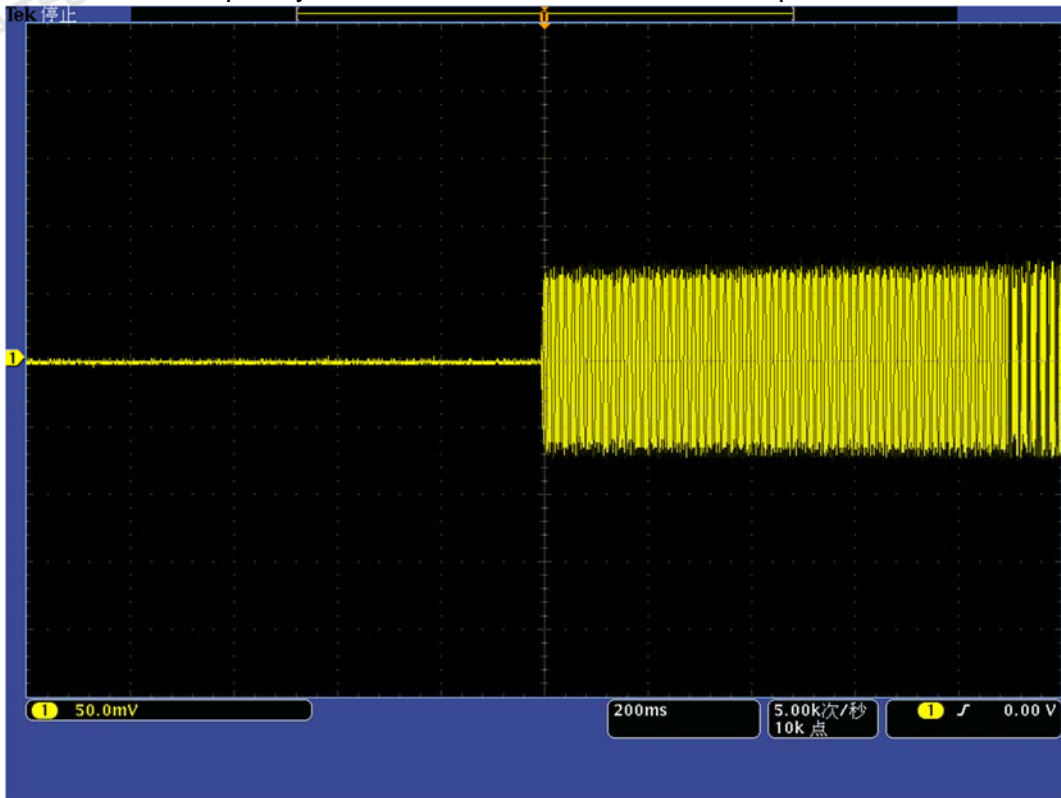
Transmitter Frequency Behaviour @ 25 KHz Channel Separation-----Off – On



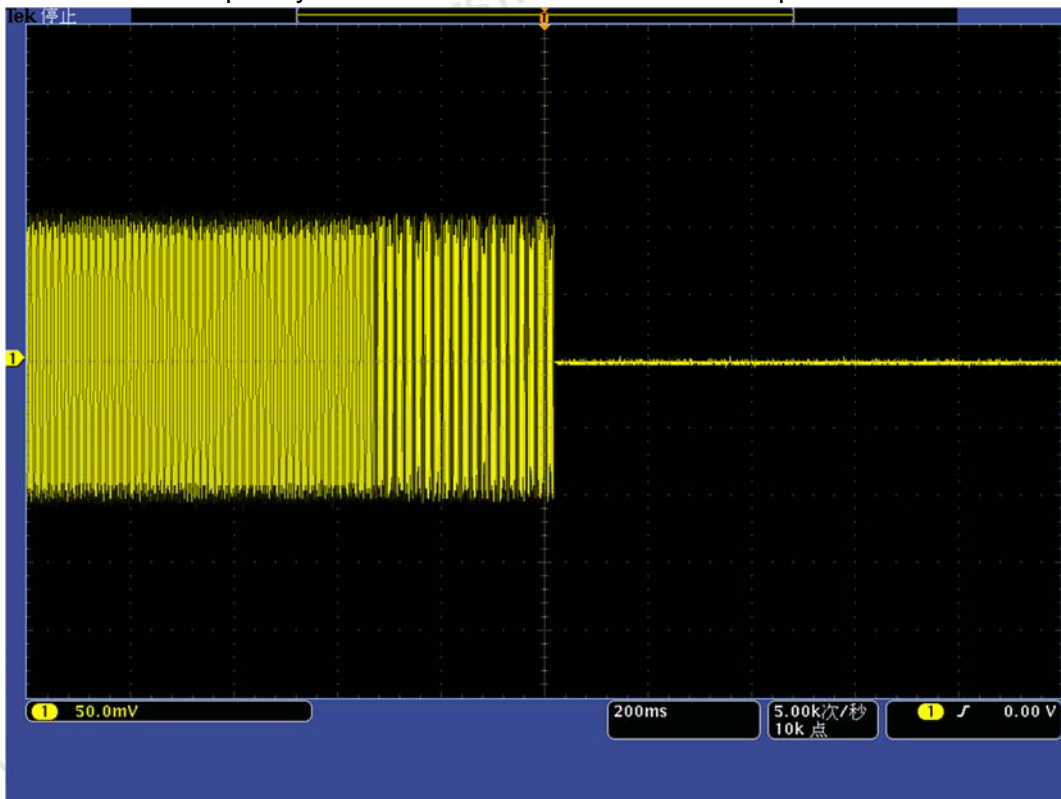
Transmitter Frequency Behaviour @ 25 KHz Channel Separation-----On – Off



Transmitter Frequency Behaviour @ 6.25 KHz Channel Separation-----Off – On



Transmitter Frequency Behaviour @ 6.25 KHz Channel Separation-----On – Off



10. MODULATION CHARACTERISTIC

10.1 LIMIT

FCC Part 2.1047

- (a) Equipment which utilizes voice modulated communication show the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted. For equipment required to have an audio low-pass filter, a curve showing the frequency response of the filter, or of all circuitry installed between the modulation limiter and the modulated stage shall be submitted.
- (b) Equipment which employs modulation limiting, a curve showing the percentage of modulation versus the modulation input voltage shall be supplied.

10.2 TEST PROCEDURE

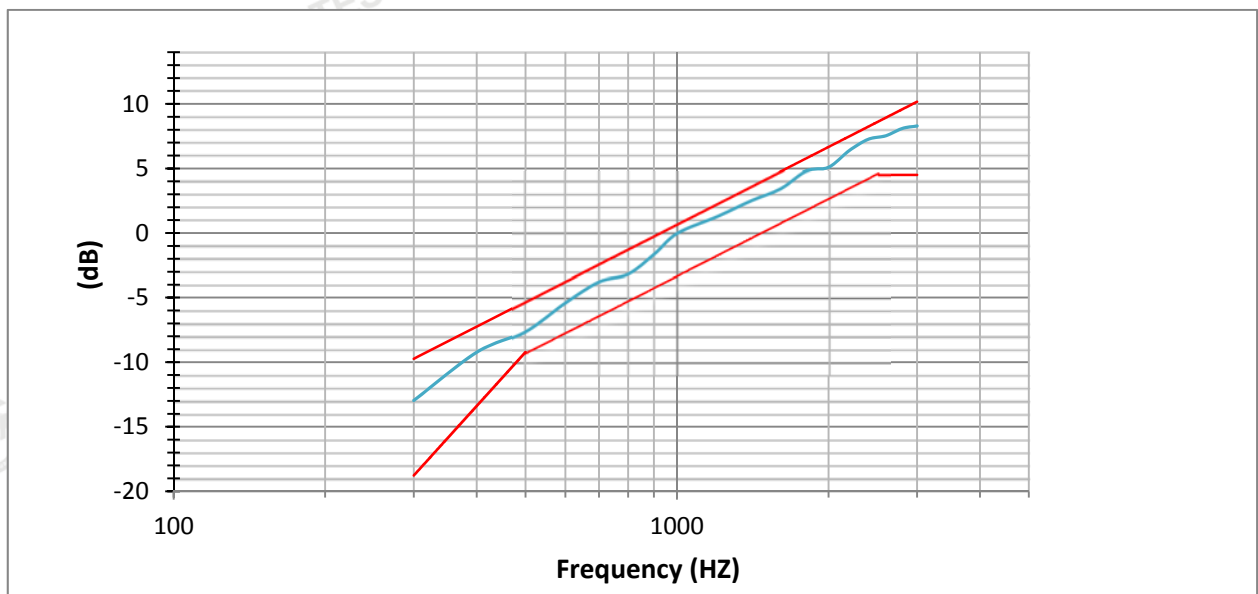
The test procedure please reference ANSI C63.26-2015.

10.3 TEST RESULT

10.3.1 Audio Frequency Response

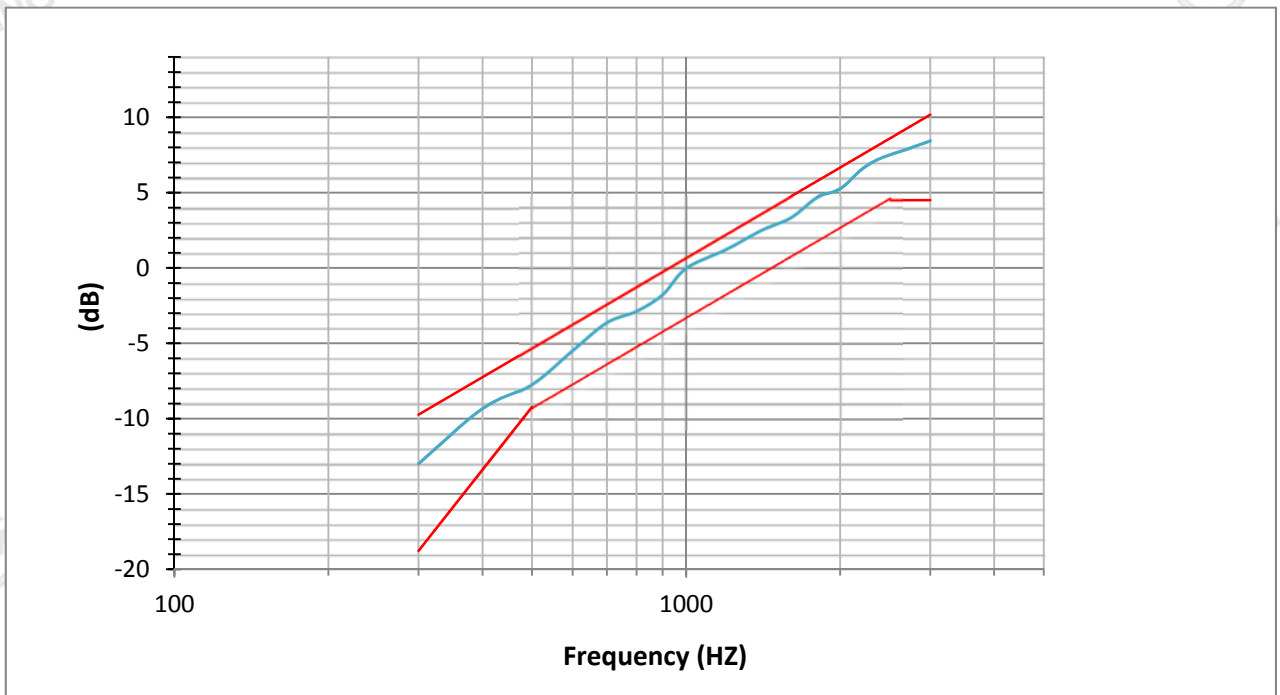
(Modulation Type:GFSK,Channel Separation:12.5kHz)- Low Power

Audio Frequency(Hz)	Audio Frequency Response(dB)	Result
300	-12.97	PASS
400	-9.24	
500	-7.60	
600	-5.36	
700	-3.73	
800	-3.14	
900	-1.61	
1000	0.00	
1200	1.30	
1400	2.52	
1600	3.44	
1800	4.81	
2000	5.09	
2200	6.39	
2400	7.26	
2600	7.53	
2800	8.09	
3000	8.29	



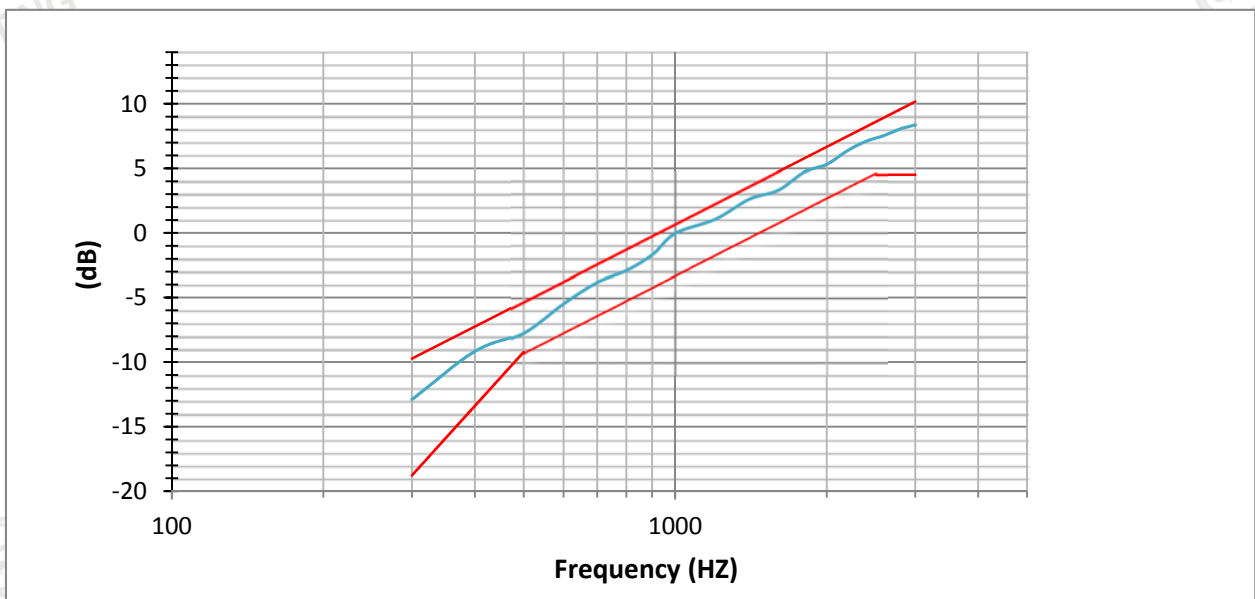
(Modulation Type:GFSK,Channel Separation:12.5kHz)- High Power

Audio Frequency	Audio Frequency Response	Result
(Hz)	(dB)	
300	-12.99	PASS
400	-9.34	
500	-7.72	
600	-5.47	
700	-3.61	
800	-2.85	
900	-1.75	
1000	0.00	
1200	1.26	
1400	2.50	
1600	3.34	
1800	4.69	
2000	5.25	
2200	6.52	
2400	7.29	
2600	7.68	
2800	8.07	
3000	8.43	



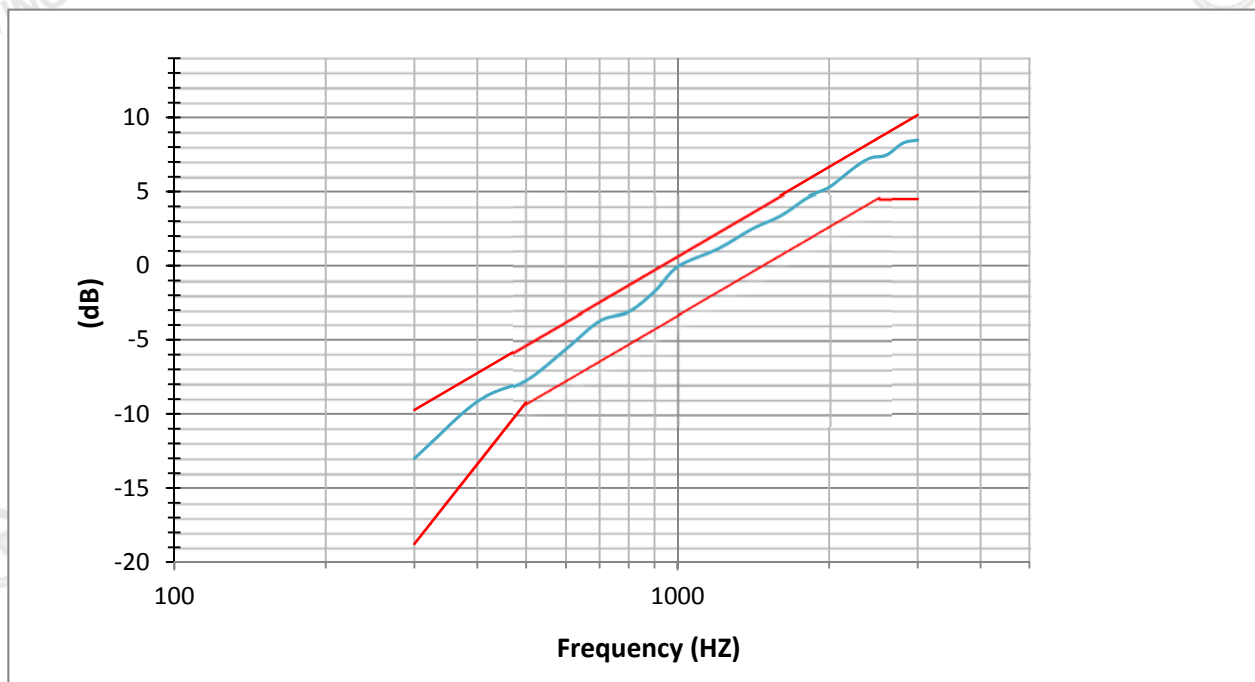
(Modulation Type:GFSK,Channel Separation:25kHz)- Low Power

Audio Frequency(Hz)	Audio Frequency Response(dB)	Result
300	-12.90	PASS
400	-9.17	
500	-7.70	
600	-5.42	
700	-3.77	
800	-2.87	
900	-1.66	
1000	0.00	
1200	1.08	
1400	2.62	
1600	3.32	
1800	4.71	
2000	5.31	
2200	6.37	
2400	7.11	
2600	7.54	
2800	8.05	
3000	8.36	



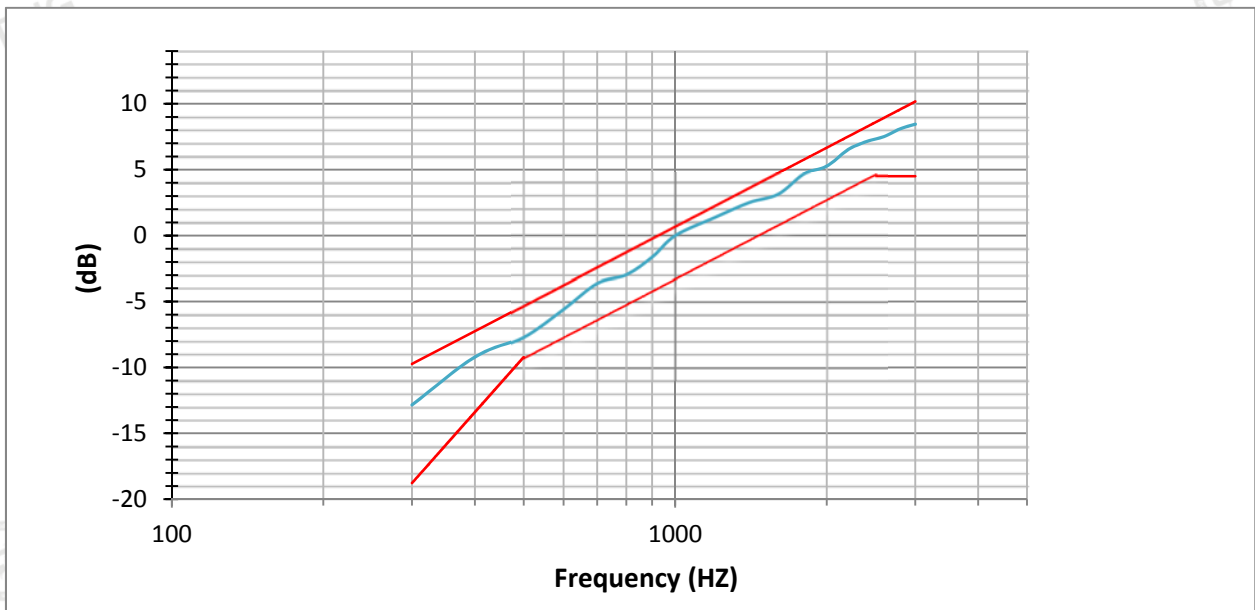
(Modulation Type:GFSK,Channel Separation:25kHz)- High Power

Audio Frequency	Audio Frequency Response	Result
(Hz)	(dB)	
300	-13.01	PASS
400	-9.17	
500	-7.67	
600	-5.54	
700	-3.64	
800	-3.04	
900	-1.66	
1000	0.00	
1200	1.19	
1400	2.52	
1600	3.43	
1800	4.61	
2000	5.29	
2200	6.39	
2400	7.23	
2600	7.46	
2800	8.26	
3000	8.48	



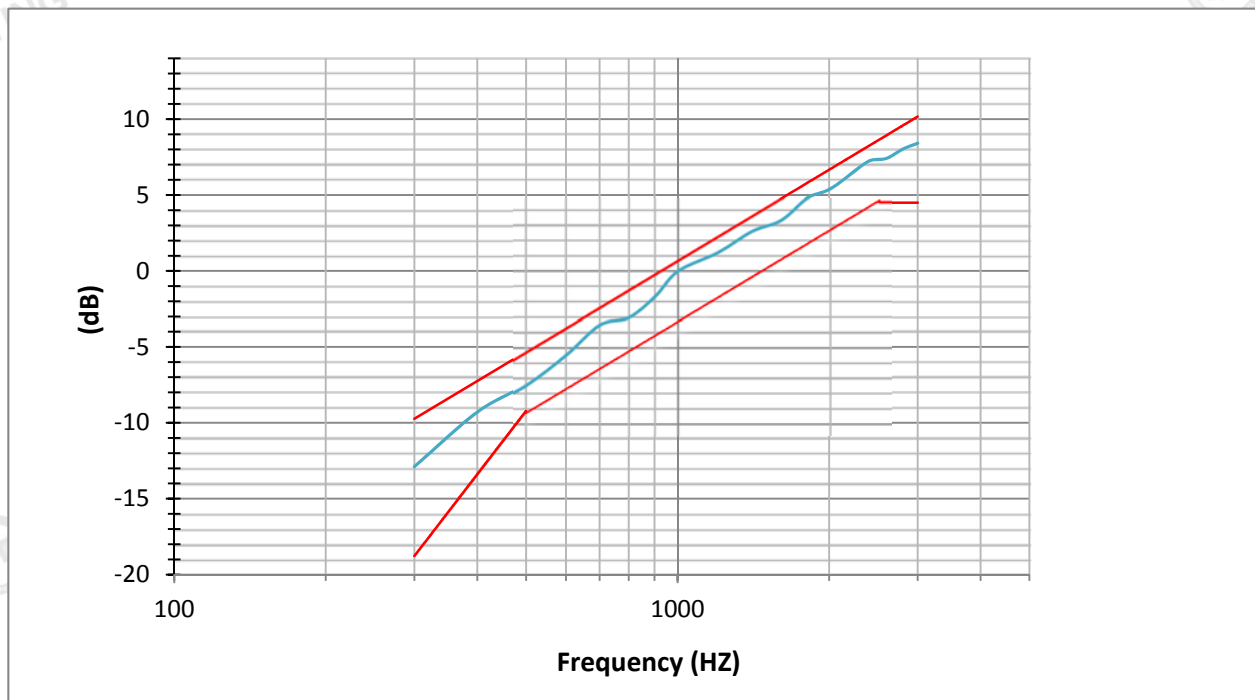
(Modulation Type:GFSK,Channel Separation:6.25kHz)- Low Power

Audio Frequency(Hz)	Audio Frequency Response(dB)	Result
300	-12.85	PASS
400	-9.21	
500	-7.68	
600	-5.55	
700	-3.59	
800	-2.96	
900	-1.62	
1000	0.00	
1200	1.38	
1400	2.49	
1600	3.13	
1800	4.67	
2000	5.26	
2200	6.49	
2400	7.13	
2600	7.51	
2800	8.1	
3000	8.45	



(Modulation Type:GFSK,Channel Separation:6.25kHz)- High Power

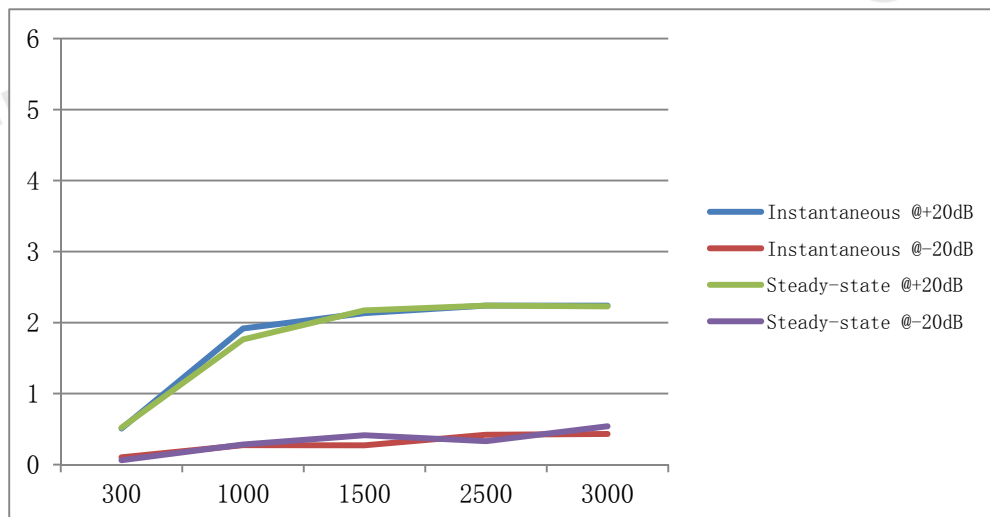
Audio Frequency (Hz)	Audio Frequency Response (dB)	Result
300	-12.89	PASS
400	-9.30	
500	-7.48	
600	-5.49	
700	-3.51	
800	-3.03	
900	-1.67	
1000	0.00	
1200	1.22	
1400	2.60	
1600	3.33	
1800	4.77	
2000	5.36	
2200	6.33	
2400	7.24	
2600	7.41	
2800	8.02	
3000	8.41	



10.3.2 Modulation Limiting

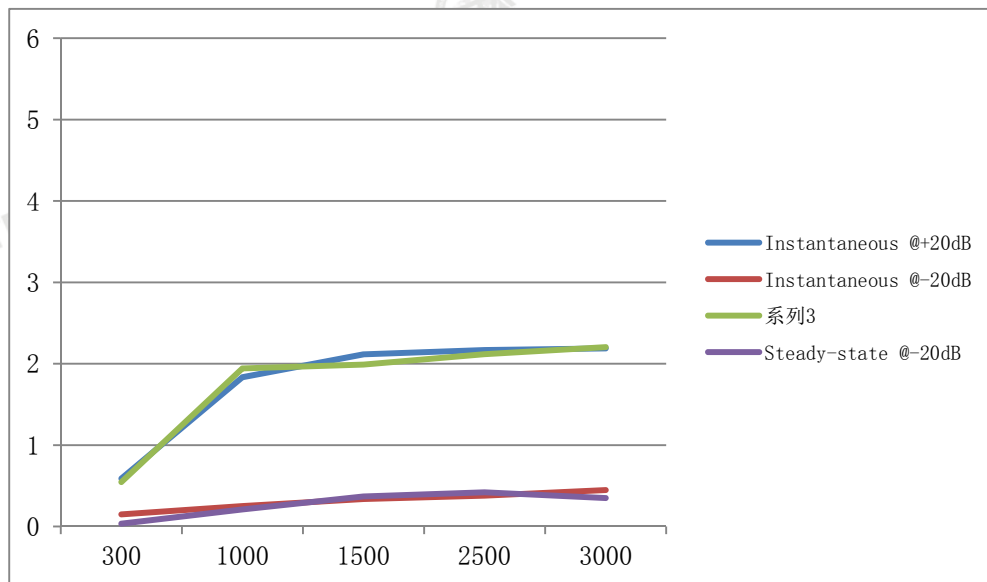
(Modulation Type:GFSK,Channel Separation:12.5kHz)- Low Power

Channl 800						
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit (kHz)	Result
	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)		
300	0.509	0.103	0.519	0.062	±2.5	Pass
1000	1.916	0.273	1.762	0.282		
1500	2.133	0.271	2.172	0.414		
2500	2.238	0.42	2.238	0.33		
3000	2.24	0.432	2.227	0.539		



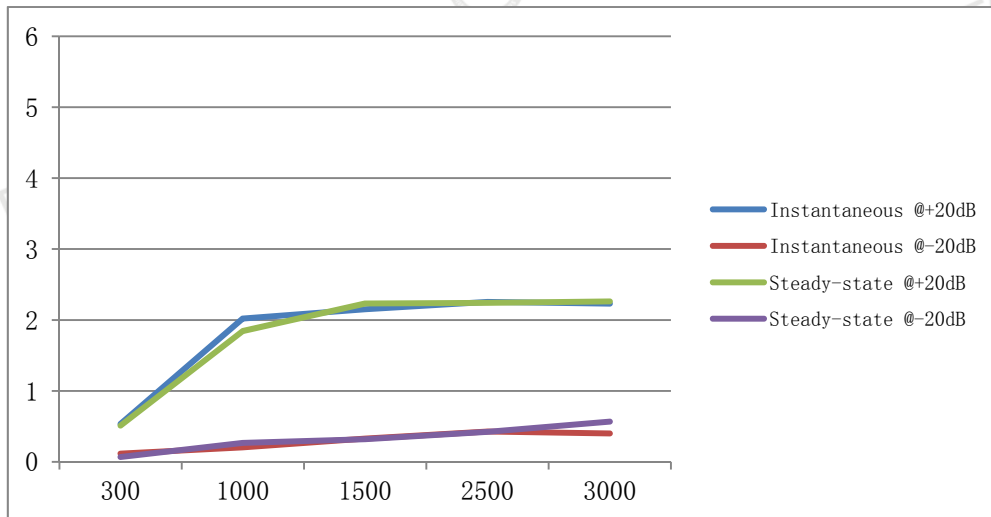
(Modulation Type:GFSK,Channel Separation:12.5kHz)- High Power

Channl 800						
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit (kHz)	Result
	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)		
300	0.589	0.148	0.547	0.034	±2.5	Pass
1000	1.835	0.251	1.942	0.209		
1500	2.115	0.338	1.989	0.369		
2500	2.169	0.38	2.117	0.42		
3000	2.189	0.447	2.203	0.35		



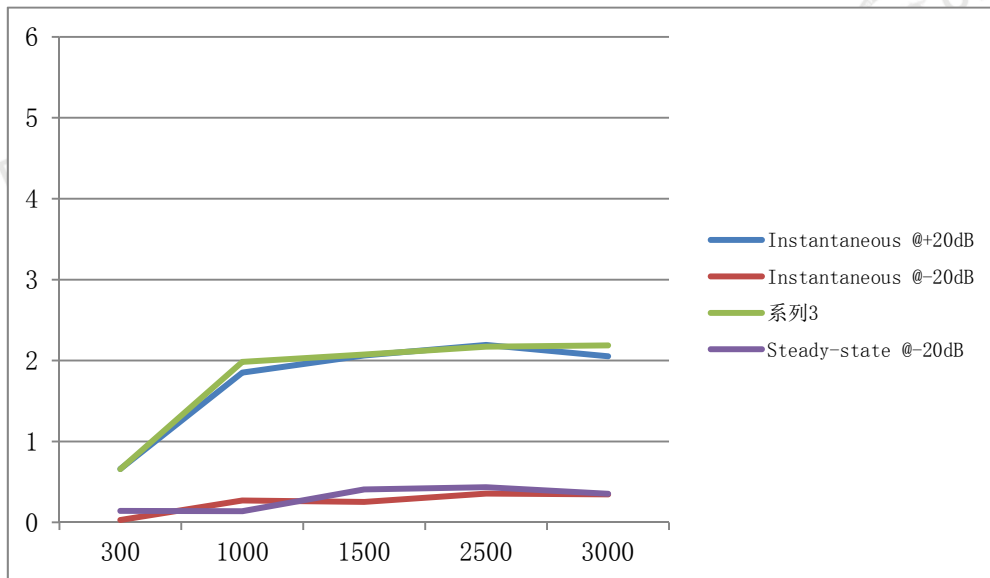
(Modulation Type:GFSK,Channel Separation:25kHz)- Low Power

Channl 800						
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit (kHz)	Result
	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)		
300	0.533	0.117	0.512	0.069	±2.5	Pass
1000	2.021	0.205	1.844	0.269		
1500	2.152	0.329	2.234	0.319		
2500	2.256	0.429	2.241	0.423		
3000	2.231	0.4	2.262	0.567		



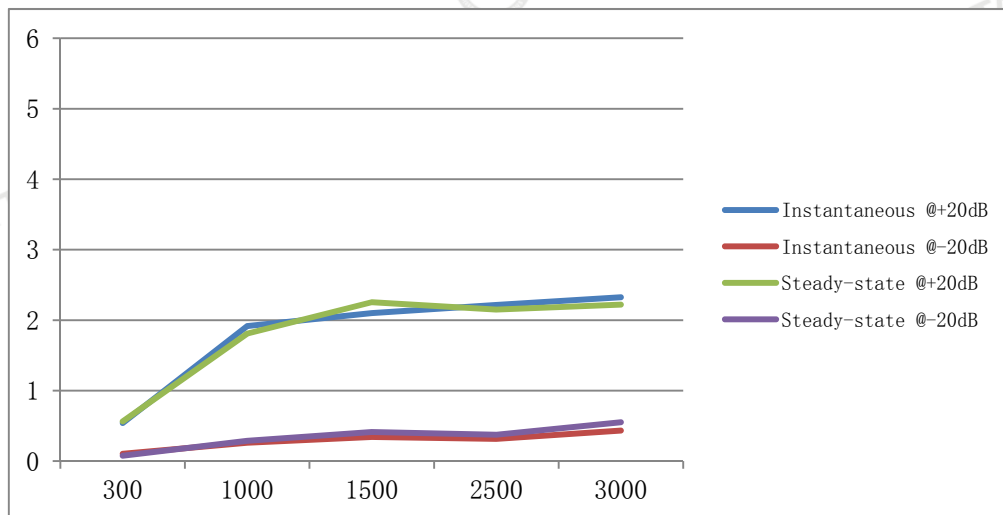
(Modulation Type:GFSK,Channel Separation:25kHz)- High Power

Channl 800						
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit (kHz)	Result
	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)		
300	0.661	0.03	0.658	0.143	±2.5	Pass
1000	1.851	0.27	1.984	0.138		
1500	2.063	0.253	2.074	0.407		
2500	2.193	0.356	2.172	0.435		
3000	2.053	0.345	2.188	0.354		



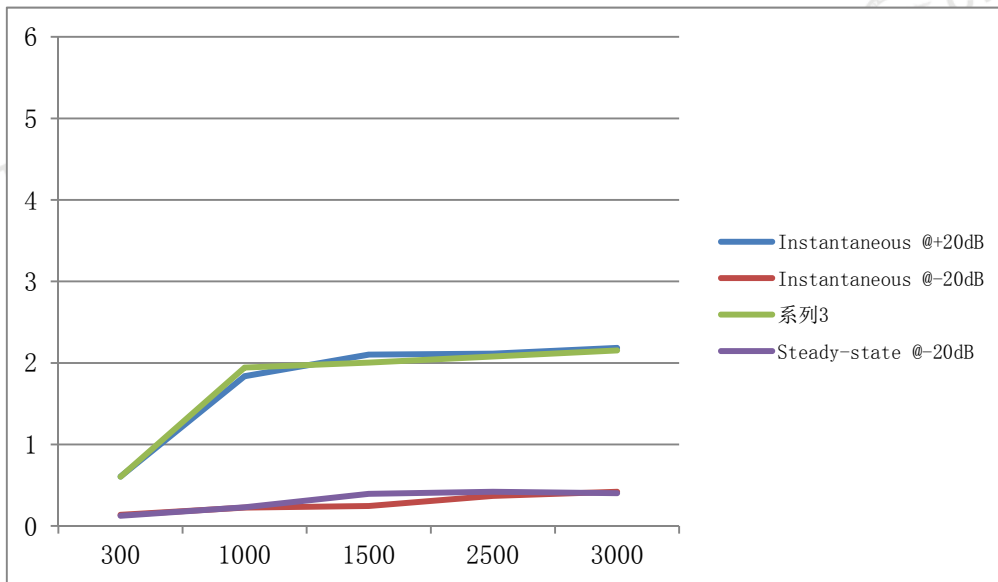
(Modulation Type:GFSK,Channel Separation:6.25kHz)- Low Power

Channl 800						
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit (kHz)	Result
	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)		
300	0.539	0.104	0.563	0.076	±2.5	Pass
1000	1.917	0.261	1.81	0.288		
1500	2.101	0.343	2.254	0.413		
2500	2.215	0.314	2.15	0.375		
3000	2.324	0.433	2.221	0.552		



(Modulation Type:GFSK,Channel Separation:6.25kHz)- High Power

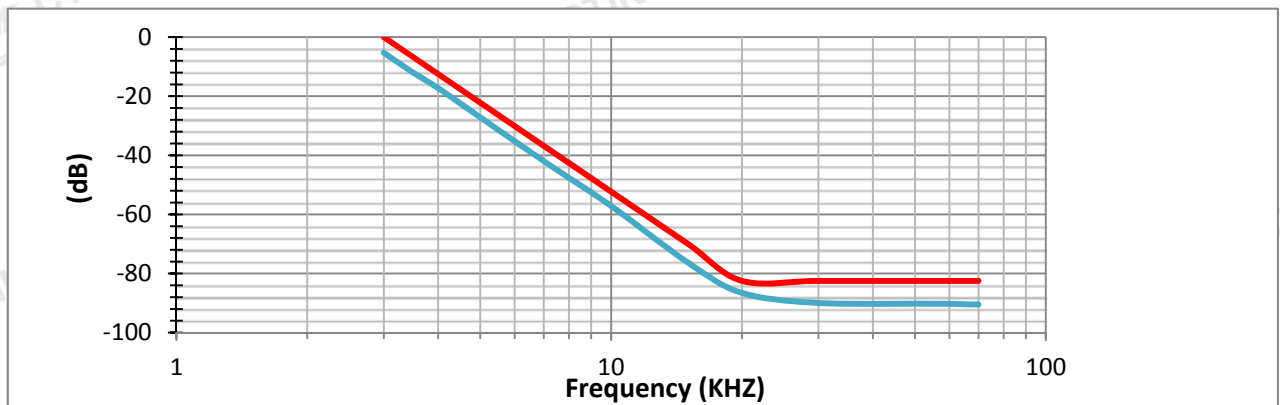
Channl 800						
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit (kHz)	Result
	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)	Deviation (@+20dB) (kHz)	Deviation (@-20dB) (kHz)		
300	0.607	0.137	0.605	0.125	±2.5	Pass
1000	1.838	0.226	1.943	0.229		
1500	2.103	0.245	2.005	0.394		
2500	2.115	0.368	2.078	0.42		
3000	2.184	0.419	2.154	0.403		



10.3.3 Audio Low Pass Filter Response

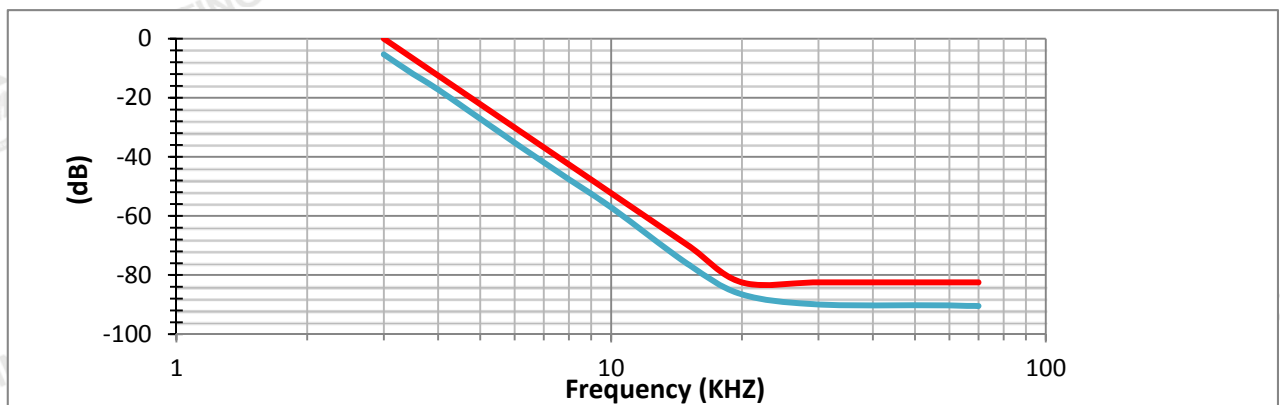
(Modulation Type:GFSK,Channel Separation:12.5kHz)- Low Power

Audio Frequency(KHz)	Limit	Response Attenuation(dB)	Result
3	0	-5.30	Pass
3.5	-6.7	-11.96	
4	-12.5	-17.25	
5	-22.2	-27.15	
7	-36.8	-41.97	
10	-52.3	-57.15	
15	-69.9	-76.24	
20	-82.5	-86.57	
30	-82.5	-90.01	
50	-82.5	-90.20	
70	-82.5	-90.50	



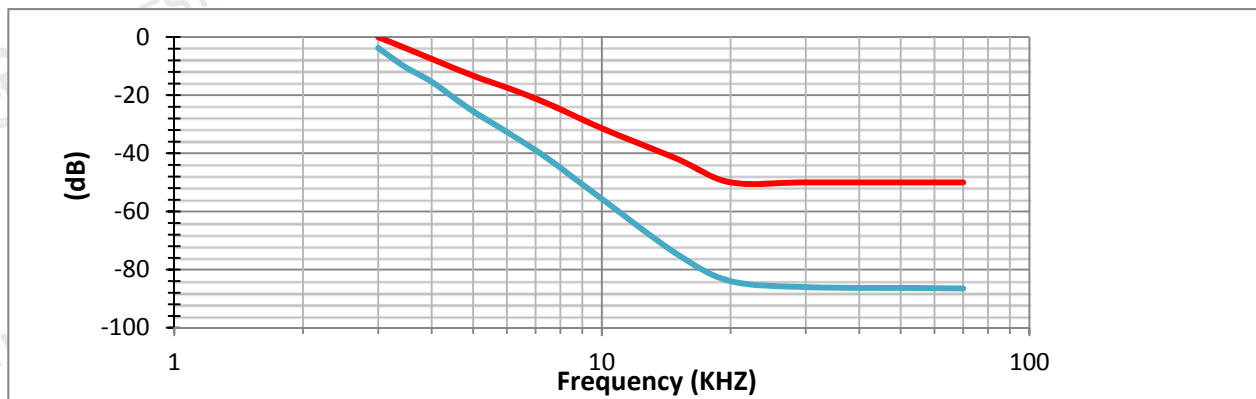
(Modulation Type:GFSK,Channel Separation:12.5kHz)- High Power

Audio Frequency(KHz)	Limit	Response Attenuation(dB)	Result
3	0	-5.34	Pass
3.5	-6.7	-11.91	
4	-12.5	-17.24	
5	-22.2	-27.14	
7	-36.8	-41.96	
10	-52.3	-57.13	
15	-69.9	-76.26	
20	-82.5	-86.56	
30	-82.5	-90.00	
50	-82.5	-90.22	
70	-82.5	-90.49	



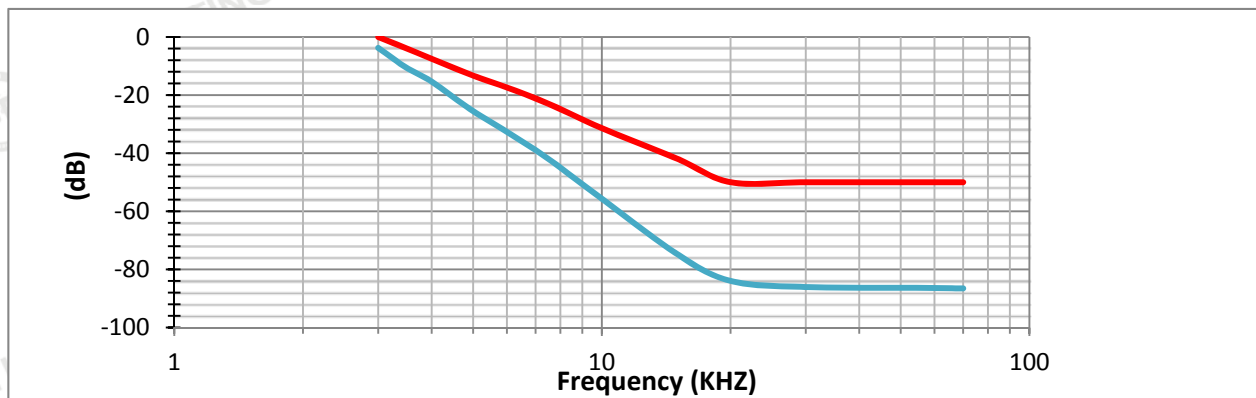
(Modulation Type:GFSK,Channel Separation:25kHz)- Low Power

Audio Frequency(KHz)	Limit	Response Attenuation(dB)	Result
3	0	-3.75	Pass
3.5	-4	-10.65	
4	-7.5	-15.38	
5	-13.3	-25.53	
7	-21.1	-38.90	
10	-31.4	-55.71	
15	-41.9	-74.70	
20	-50	-83.97	
30	-50	-86.08	
50	-50	-86.34	
70	-50	-86.53	



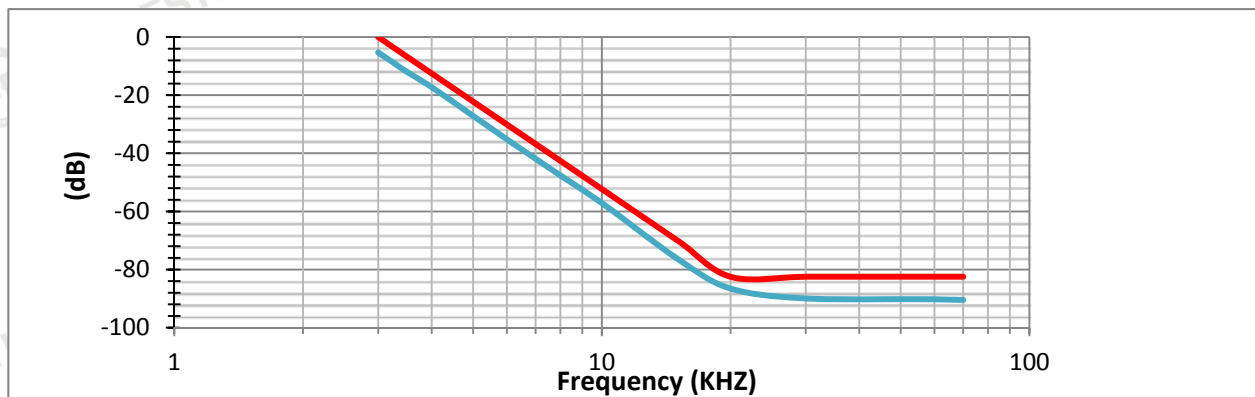
(Modulation Type:GFSK,Channel Separation:25kHz)- High Power

Audio Frequency(KHz)	Limit	Response Attenuation(dB)	Result
3	0	-3.76	Pass
3.5	-4	-10.66	
4	-7.5	-15.37	
5	-13.3	-25.51	
7	-21.1	-38.91	
10	-31.4	-55.70	
15	-41.9	-74.71	
20	-50	-83.98	
30	-50	-86.08	
50	-50	-86.33	
70	-50	-86.54	



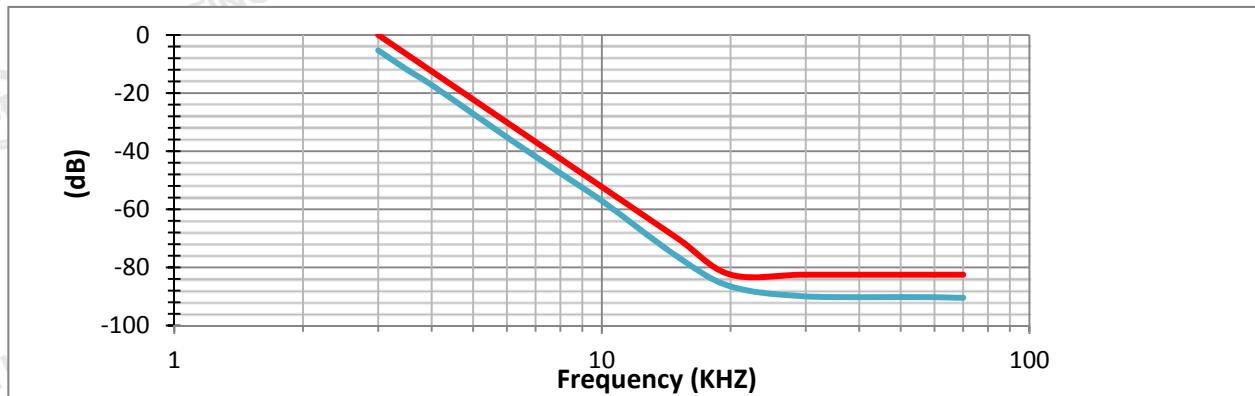
(Modulation Type:GFSK,Channel Separation:6.25kHz)- Low Power

Audio Frequency(KHz)	Limit	Response Attenuation(dB)	Result
3	0	-5.28	Pass
3.5	-6.7	-11.94	
4	-12.5	-17.23	
5	-22.2	-27.12	
7	-36.8	-41.94	
10	-52.3	-57.13	
15	-69.9	-76.22	
20	-82.5	-86.55	
30	-82.5	-89.99	
50	-82.5	-90.18	
70	-82.5	-90.47	



(Modulation Type:GFSK,Channel Separation:6.25kHz)- High Power

Audio Frequency(KHz)	Limit	Response Attenuation(dB)	Result
3	0	-5.32	Pass
3.5	-6.7	-11.90	
4	-12.5	-17.22	
5	-22.2	-27.11	
7	-36.8	-41.94	
10	-52.3	-57.11	
15	-69.9	-76.24	
20	-82.5	-86.54	
30	-82.5	-89.99	
50	-82.5	-90.20	
70	-82.5	-90.47	



11. PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

*****END OF THE REPORT*****