



Appendix A: 99% Occupied Bandwidth & 26dB Bandwidth

Test Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-FRS	FM	CH _L	10.04	10.23	≤12.5	PASS
TX-FRS	FM	CH _H	10.04	10.257	≤12.5	PASS



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																			
TX-FRS	FM	CH _L	<p>MultiView Spectrum Ref Level 27.00 dBm Offset 20.50 dB RBW 100 Hz Att 40 dB SWI 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT</p> <p>1 Occupied Bandwidth H1 22.990 dBm H2 -3.010 dBm M1[1] -5.58 dBm D1[1] 467.5572140 MHz 1.52 dB 10.2300 kHz</p> <p>CF 467.5625 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td>1</td> <td>467.557214 MHz</td> <td>-5.58 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td>1</td> <td>467.5573052 MHz</td> <td>7.12 dBm</td> <td>Occ Bw</td> <td>10.03996004 kHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td>1</td> <td>467.5673452 MHz</td> <td>7.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>10.23 kHz</td> <td>1.52 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.JAN.2018 09:44:38</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1	1	467.557214 MHz	-5.58 dBm			T1	1	1	467.5573052 MHz	7.12 dBm	Occ Bw	10.03996004 kHz	T2	1	1	467.5673452 MHz	7.13 dBm			D1	M1	1	10.23 kHz	1.52 dB		
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Appendix B:Emission Mask

Test Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-FRS	FM	CH _L	
TX-FRS	FM	CH _H	

**Appendix C:Modulation Limit**

Test Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak Frequency Deviation (Hz)				Limit (kHz)	Result
				300	1004	1500	2500		
TX-FRS	FM	CH _L	-20	0.072	0.198	0.264	0.404	2.5	PASS
TX-FRS	FM	CH _L	-15	0.105	0.304	0.439	0.697	2.5	PASS
TX-FRS	FM	CH _L	-10	0.149	0.502	0.737	1.194	2.5	PASS
TX-FRS	FM	CH _L	-5	0.252	0.865	1.291	2.122	2.5	PASS
TX-FRS	FM	CH _L	0	0.401	1.515	2.217	2.405	2.5	PASS
TX-FRS	FM	CH _L	5	0.683	2.313	2.307	2.408	2.5	PASS
TX-FRS	FM	CH _L	10	0.786	2.440	2.345	2.417	2.5	PASS
TX-FRS	FM	CH _L	15	0.885	2.432	2.368	2.422	2.5	PASS
TX-FRS	FM	CH _L	20	1.055	2.428	2.305	2.419	2.5	PASS



Appendix C:Modulation Limit

Test Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																												
TX-FRS	FM	CH _L	<p>The graph plots Peak Deviation (kHz) on the y-axis (0 to 3) against Modulation Level (dB) on the x-axis (-20 to 20). A horizontal orange line with red markers represents the 'Limit (kHz)' at 2.5 kHz. Four other lines represent different frequencies: 300 kHz (pink), 1004 kHz (blue), 1500 kHz (purple), and 2500 kHz (green). The 2500 kHz line reaches the 2.5 kHz limit at 0 dB. The 1500 kHz line reaches it at approximately 10 dB. The 1004 kHz line reaches it at approximately 15 dB. The 300 kHz line reaches it at approximately 20 dB.</p> <table border="1"><caption>Approximate data points from the graph</caption><thead><tr><th>Modulation Level (dB)</th><th>300 kHz (kHz)</th><th>1004 kHz (kHz)</th><th>1500 kHz (kHz)</th><th>2500 kHz (kHz)</th><th>Limit (kHz)</th></tr></thead><tbody><tr><td>-20</td><td>0.05</td><td>0.25</td><td>0.35</td><td>0.45</td><td>2.5</td></tr><tr><td>-15</td><td>0.1</td><td>0.35</td><td>0.55</td><td>0.75</td><td>2.5</td></tr><tr><td>-10</td><td>0.15</td><td>0.55</td><td>0.85</td><td>1.25</td><td>2.5</td></tr><tr><td>-5</td><td>0.25</td><td>0.95</td><td>1.35</td><td>2.15</td><td>2.5</td></tr><tr><td>0</td><td>0.45</td><td>1.55</td><td>2.25</td><td>2.45</td><td>2.5</td></tr><tr><td>5</td><td>0.75</td><td>2.35</td><td>2.45</td><td>2.5</td><td>2.5</td></tr><tr><td>10</td><td>0.85</td><td>2.45</td><td>2.45</td><td>2.5</td><td>2.5</td></tr><tr><td>15</td><td>0.95</td><td>2.45</td><td>2.45</td><td>2.5</td><td>2.5</td></tr><tr><td>20</td><td>1.1</td><td>2.45</td><td>2.45</td><td>2.5</td><td>2.5</td></tr></tbody></table>	Modulation Level (dB)	300 kHz (kHz)	1004 kHz (kHz)	1500 kHz (kHz)	2500 kHz (kHz)	Limit (kHz)	-20	0.05	0.25	0.35	0.45	2.5	-15	0.1	0.35	0.55	0.75	2.5	-10	0.15	0.55	0.85	1.25	2.5	-5	0.25	0.95	1.35	2.15	2.5	0	0.45	1.55	2.25	2.45	2.5	5	0.75	2.35	2.45	2.5	2.5	10	0.85	2.45	2.45	2.5	2.5	15	0.95	2.45	2.45	2.5	2.5	20	1.1	2.45	2.45	2.5	2.5
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**Appendix D:Audio Frequency Response**

Test Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-FRS	FM	CH _L	100	-30.83			PASS
TX-FRS	FM	CH _L	200	-30.63			PASS
TX-FRS	FM	CH _L	300	-11.98	-17.84	-9.42	PASS
TX-FRS	FM	CH _L	400	-7.60	-12.86	-6.93	PASS
TX-FRS	FM	CH _L	500	-5.62	-9.00	-5.00	PASS
TX-FRS	FM	CH _L	600	-4.20	-7.42	-3.42	PASS
TX-FRS	FM	CH _L	700	-2.99	-6.09	-2.09	PASS
TX-FRS	FM	CH _L	800	-1.88	-4.93	-0.93	PASS
TX-FRS	FM	CH _L	900	-0.90	-3.91	0.09	PASS
TX-FRS	FM	CH _L	1000	0.00	-3.00	1.00	PASS
TX-FRS	FM	CH _L	1200	1.58	-1.42	2.58	PASS
TX-FRS	FM	CH _L	1400	2.91	-0.09	3.91	PASS
TX-FRS	FM	CH _L	1600	4.08	1.07	5.07	PASS
TX-FRS	FM	CH _L	1800	5.11	2.09	6.09	PASS
TX-FRS	FM	CH _L	2000	6.02	3.00	7.00	PASS
TX-FRS	FM	CH _L	2100	6.43	3.42	7.42	PASS
TX-FRS	FM	CH _L	2200	6.82	3.83	7.83	PASS
TX-FRS	FM	CH _L	2300	7.18	4.21	8.21	PASS
TX-FRS	FM	CH _L	2400	7.53	4.58	8.58	PASS
TX-FRS	FM	CH _L	2500	7.84	4.93	8.93	PASS
TX-FRS	FM	CH _L	2600	8.13	4.59	9.27	PASS
TX-FRS	FM	CH _L	2700	8.38	4.27	9.60	PASS
TX-FRS	FM	CH _L	2800	8.59	3.95	9.91	PASS
TX-FRS	FM	CH _L	2900	8.75	3.65	10.22	PASS
TX-FRS	FM	CH _L	3000	8.82	3.35	10.51	PASS
TX-FRS	FM	CH _L	3500	6.40			PASS
TX-FRS	FM	CH _L	4000	-0.82			PASS
TX-FRS	FM	CH _L	4500	-9.13			PASS
TX-FRS	FM	CH _L	5000	-16.90			PASS



Appendix D:Audio Frequency Response

Test Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																
TX-FRS	FM	CH _L	<table border="1"><caption>Approximate data points from the audio frequency response plot</caption><thead><tr><th>Frequency (Hz)</th><th>Audio Frequency Response (dB)</th><th>Upper Limit (dB)</th><th>Lower Limit (dB)</th></tr></thead><tbody><tr><td>100</td><td>-25.00</td><td>-10.00</td><td>-15.00</td></tr><tr><td>200</td><td>-12.00</td><td>-8.00</td><td>-12.00</td></tr><tr><td>500</td><td>-5.00</td><td>-5.00</td><td>-8.00</td></tr><tr><td>1000</td><td>0.00</td><td>-2.00</td><td>-5.00</td></tr><tr><td>3125</td><td>10.00</td><td>10.00</td><td>5.00</td></tr><tr><td>5000</td><td>5.00</td><td>10.00</td><td>5.00</td></tr><tr><td>10000</td><td>-20.00</td><td>10.00</td><td>5.00</td></tr></tbody></table>	Frequency (Hz)	Audio Frequency Response (dB)	Upper Limit (dB)	Lower Limit (dB)	100	-25.00	-10.00	-15.00	200	-12.00	-8.00	-12.00	500	-5.00	-5.00	-8.00	1000	0.00	-2.00	-5.00	3125	10.00	10.00	5.00	5000	5.00	10.00	5.00	10000	-20.00	10.00	5.00
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5000	5.00	10.00	5.00																																
10000	-20.00	10.00	5.00																																

Note: The highest audio frequency response at 3kHz<3.125kHz, so meet the requirement.



Appendix E:Frequency Stability Test & Temperature

Test Mode	Modulation Type	Test Conditions		Frequency error (ppm)		Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _H		
TX-FRS	FM	V _N	-30	0.277	0.284	±2.5	PASS
TX-FRS	FM	V _N	-20	0.302	0.305	±2.5	PASS
TX-FRS	FM	V _N	-10	0.306	0.281	±2.5	PASS
TX-FRS	FM	V _N	0	0.306	0.286	±2.5	PASS
TX-FRS	FM	V _N	10	0.307	0.271	±2.5	PASS
TX-FRS	FM	V _N	20	0.286	0.312	±2.5	PASS
TX-FRS	FM	V _N	30	0.3	0.27	±2.5	PASS
TX-FRS	FM	V _N	40	0.276	0.279	±2.5	PASS
TX-FRS	FM	V _N	55	0.272	0.288	±2.5	PASS



Appendix F:Frequency Stability Test & Voltage

Test Mode	Modulation Type	Test Conditions		Frequency error (ppm)		Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _H		
TX-FRS	FM	V _N	T _N	0.286	0.312	±2.5	PASS
TX-FRS	FM	V _L	T _N	0.301	0.290	±2.5	PASS
TX-FRS	FM	V _H	T _N	0.274	0.290	±2.5	PASS

----End of Report----