



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask 0 8.1 RF 120.0 kHz SENSE:PULSE ALIGN OFF 08:56:25 AM Dec 18, 2019 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 28 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 0.0 -9.0 -19.0 -29.0 -39.0 -49.0 Center 406.1 MHz Span 120 kHz Total Power Ref 36.67 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.13</td><td>(-0.88)</td><td>-150.0</td><td>3.117</td><td>(-33.90)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.19</td><td>(-10.31)</td><td>-12.15 k</td><td>-42.08</td><td>(-7.66)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.59</td><td>(-15.59)</td><td>-16.85 k</td><td>-35.50</td><td>(-15.50)</td><td>16.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK.D.state> recalled (STATUS) Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.13	(-0.88)	-150.0	3.117	(-33.90)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.19	(-10.31)	-12.15 k	-42.08	(-7.66)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.59	(-15.59)	-16.85 k	-35.50	(-15.50)	16.60 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask 0 8.1 RF 120.0 kHz SENSE:PULSE ALIGN OFF 08:56:46 AM Dec 18, 2019 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 28 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 0.0 -9.0 -19.0 -29.0 -39.0 -49.0 Center 406.1 MHz Span 120 kHz Total Power Ref 36.36 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.84</td><td>(-2.17)</td><td>-150.0</td><td>27.06</td><td>(-9.95)</td><td>2.330 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.14</td><td>(-3.72)</td><td>-12.50 k</td><td>-35.55</td><td>(-1.49)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.71</td><td>(-14.71)</td><td>-13.35 k</td><td>-34.99</td><td>(-14.99)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved (STATUS) Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.84	(-2.17)	-150.0	27.06	(-9.95)	2.330 k	5.625 kHz	12.50 kHz	100.0 Hz	-38.14	(-3.72)	-12.50 k	-35.55	(-1.49)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.71	(-14.71)	-13.35 k	-34.99	(-14.99)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask 0 8.1 RF 120.0 kHz SENSE:PULSE ALIGN OFF 08:58:22 AM Dec 18, 2019 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 28 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 0.0 -9.0 -19.0 -29.0 -39.0 -49.0 Center 438 MHz Span 120 kHz Total Power Ref 36.16 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.64</td><td>(-1.13)</td><td>-150.0</td><td>0.443</td><td>(-30.33)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.78</td><td>(-5.84)</td><td>-12.40 k</td><td>-40.29</td><td>(-6.35)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.53</td><td>(-16.53)</td><td>-18.15 k</td><td>-36.29</td><td>(-16.29)</td><td>17.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK.D.state> recalled (STATUS) Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.64	(-1.13)	-150.0	0.443	(-30.33)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.78	(-5.84)	-12.40 k	-40.29	(-6.35)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.53	(-16.53)	-18.15 k	-36.29	(-16.29)	17.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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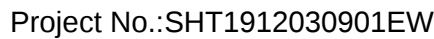
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS IF Gain: low #Atten: 40 dB Ref Offset 28 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Center 438 MHz Span 120 kHz Total Power Ref 35.90 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.33</td><td>(-2.44)</td><td>-150.0</td><td>26.59</td><td>(-10.19)</td><td>2.350 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.59</td><td>(-2.02)</td><td>-12.35 k</td><td>-36.12</td><td>(-2.55)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.98</td><td>(-15.98)</td><td>-14.85 k</td><td>-35.76</td><td>(-15.76)</td><td>13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.33	(-2.44)	-150.0	26.59	(-10.19)	2.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-35.59	(-2.02)	-12.35 k	-36.12	(-2.55)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.98	(-15.98)	-14.85 k	-35.76	(-15.76)	13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS IF Gain: low #Atten: 40 dB Ref Offset 28 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Center 470 MHz Span 120 kHz Total Power Ref 36.50 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.41</td><td>(-1.02)</td><td>-150.0</td><td>-11.09</td><td>(-48.52)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.24</td><td>(-6.60)</td><td>-12.45 k</td><td>-37.05</td><td>(-4.50)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.38</td><td>(-16.38)</td><td>-12.60 k</td><td>-38.09</td><td>(-18.09)</td><td>13.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK.D> state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.41	(-1.02)	-150.0	-11.09	(-48.52)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.24	(-6.60)	-12.45 k	-37.05	(-4.50)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.38	(-16.38)	-12.60 k	-38.09	(-18.09)	13.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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5.625 kHz	12.50 kHz	100.0 Hz	-36.65	(-3.01)	-12.45 k	-34.98	(-1.70)	12.40 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-35.29	(-15.29)	-13.05 k	-33.05	(-13.05)	12.75 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask

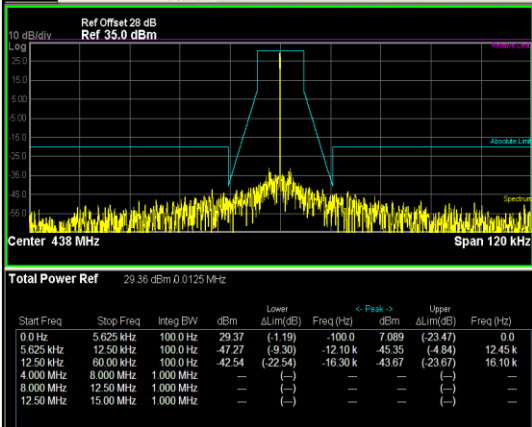
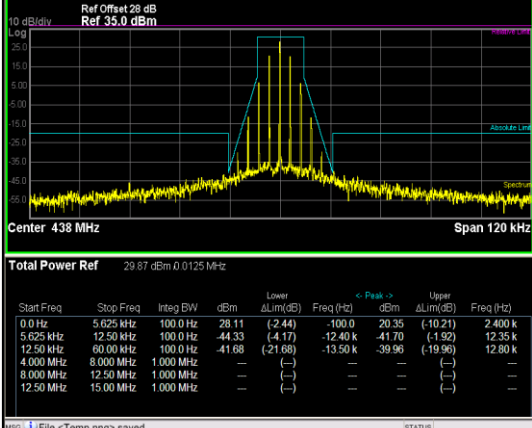
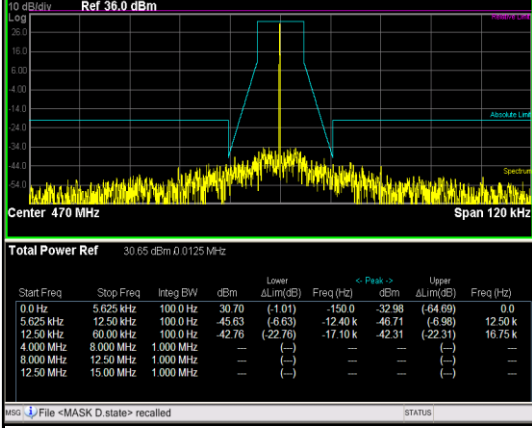
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
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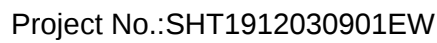


Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
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TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Span 120 kHz Total Power Ref 31.58 dBm @ 0.0125 MHz <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.94</td> <td>(-2.24)</td> <td>-150.0</td> <td>22.17</td> <td>(-10.00)</td> <td>2.350 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.64</td> <td>(-2.20)</td> <td>-12.25 k</td> <td>-40.65</td> <td>(-2.85)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.07</td> <td>(-20.07)</td> <td>-12.60 k</td> <td>-39.96</td> <td>(-19.96)</td> <td>12.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.94	(-2.24)	-150.0	22.17	(-10.00)	2.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-39.64	(-2.20)	-12.25 k	-40.65	(-2.85)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.07	(-20.07)	-12.60 k	-39.96	(-19.96)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 28 dB Ref 35.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 29.36 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.37</td><td>(-1.19)</td><td>-100.0</td><td>7.089</td><td>(-23.47)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.27</td><td>(-9.30)</td><td>-12.10 k</td><td>-45.35</td><td>(-4.84)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.54</td><td>(-22.54)</td><td>-16.30 k</td><td>-43.67</td><td>(-23.67)</td><td>16.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.37	(-1.19)	-100.0	7.089	(-23.47)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-47.27	(-9.30)	-12.10 k	-45.35	(-4.84)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.54	(-22.54)	-16.30 k	-43.67	(-23.67)	16.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 28 dB Ref 35.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 29.67 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.11</td><td>(-2.44)</td><td>-100.0</td><td>20.35</td><td>(-10.21)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.33</td><td>(-4.17)</td><td>-12.40 k</td><td>-41.70</td><td>(-1.92)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.68</td><td>(-21.68)</td><td>-13.50 k</td><td>-39.96</td><td>(-19.96)</td><td>12.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.11	(-2.44)	-100.0	20.35	(-10.21)	2.400 k	5.625 kHz	12.50 kHz	100.0 Hz	-44.33	(-4.17)	-12.40 k	-41.70	(-1.92)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.68	(-21.68)	-13.50 k	-39.96	(-19.96)	12.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz PASS Ref Offset 28 dB Ref 36.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 30.65 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.70</td><td>(-1.01)</td><td>-150.0</td><td>-32.98</td><td>(-64.69)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.63</td><td>(-6.63)</td><td>-12.40 k</td><td>-46.71</td><td>(-6.98)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.76</td><td>(-22.76)</td><td>-17.10 k</td><td>-42.31</td><td>(-22.31)</td><td>16.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.70	(-1.01)	-150.0	-32.98	(-64.69)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.63	(-6.63)	-12.40 k	-46.71	(-6.98)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.76	(-22.76)	-17.10 k	-42.31	(-22.31)	16.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Ref Offset 28 dB Ref 36.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 30.78 dBm 0.0125 MHz <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak ></th> <th>Upper ΔLim(dB)</th> <th>Peak <</th> </tr> </thead> <tbody> <tr> <td>0.0 kHz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.40</td> <td>(-2.30)</td> <td>-200.0</td> <td>21.67</td> <td>(-10.03)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.53</td> <td>(-3.25)</td> <td>-12.30 k</td> <td>-40.98</td> <td>(-2.70)</td> </tr> <tr> <td>12.50 kHz</td> <td>80.00 kHz</td> <td>100.0 Hz</td> <td>-40.64</td> <td>(-20.64)</td> <td>-13.45 k</td> <td>-38.78</td> <td>(-18.78)</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak >	Upper ΔLim(dB)	Peak <	0.0 kHz	5.625 kHz	100.0 Hz	29.40	(-2.30)	-200.0	21.67	(-10.03)	5.625 kHz	12.50 kHz	100.0 Hz	-41.53	(-3.25)	-12.30 k	-40.98	(-2.70)	12.50 kHz	80.00 kHz	100.0 Hz	-40.64	(-20.64)	-13.45 k	-38.78	(-18.78)	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	(—)	—
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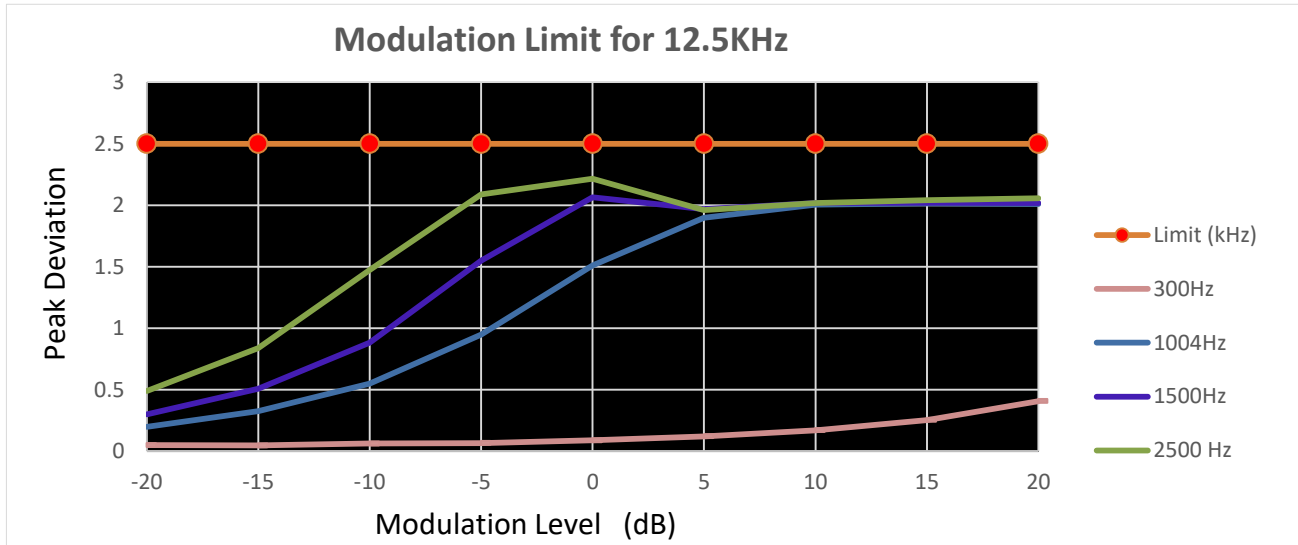
**Appendix D:Modulation Limit**

Operation Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Result
				300Hz	1004Hz	1500Hz	2500 Hz		
TX-ANH	FM	CH _{M2}	-20	0.05	0.199	0.301	0.489	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.047	0.325	0.508	0.839	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.062	0.55	0.884	1.473	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.067	0.947	1.548	2.087	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.089	1.511	2.063	2.215	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.121	1.898	1.967	1.959	2.5	PASS
TX-ANH	FM	CH _{M2}	10	0.171	2.004	2.018	2.018	2.5	PASS
TX-ANH	FM	CH _{M2}	15	0.254	2.016	2.021	2.04	2.5	PASS
TX-ANH	FM	CH _{M2}	20	0.407	2.01	2.018	2.056	2.5	PASS



Appendix D:Modulation Limit

TEST PLOT RESULT



**Appendix E:Aduio Frequency Response**

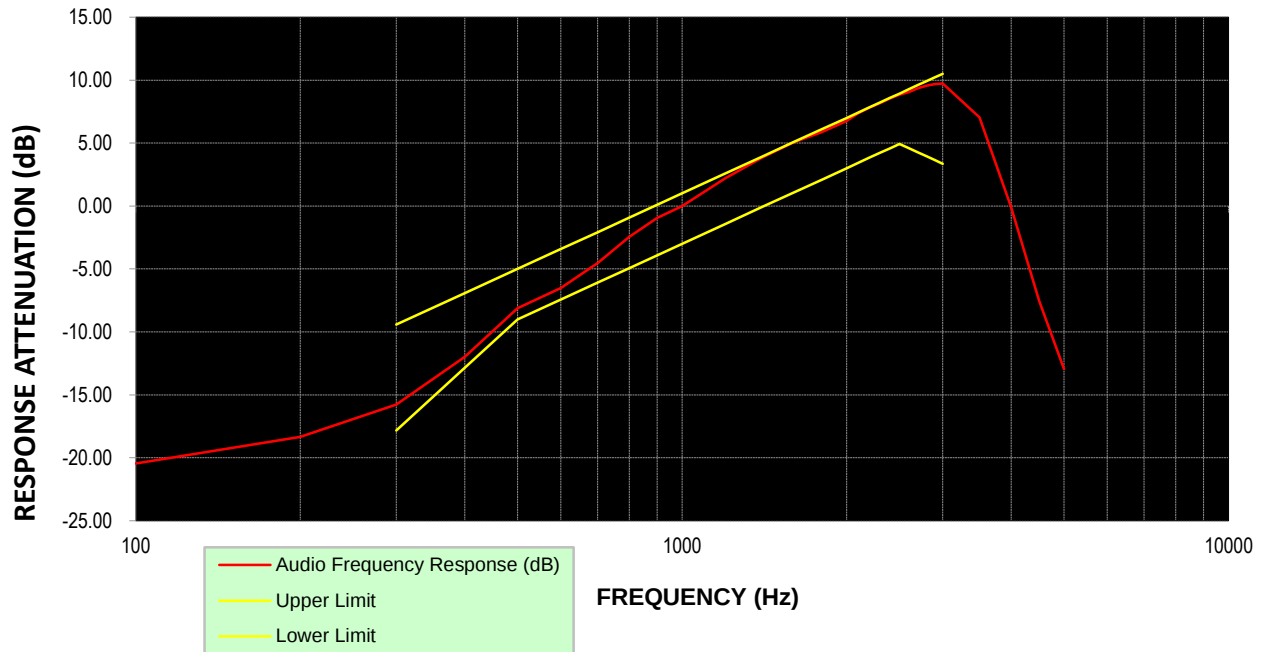
Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-20.46			PASS
TX-ANH	FM	CH _{M2}	200	-18.35			PASS
TX-ANH	FM	CH _{M2}	300	-15.78	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-11.99	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-8.12	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-6.52	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-4.54	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.45	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-0.96	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	0.00	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	2.21	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	3.83	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	5.05	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.88	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	6.76	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	7.36	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	7.79	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	8.17	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	8.54	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	8.84	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	9.06	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	9.36	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	9.55	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	9.68	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	9.74	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	7.04			PASS
TX-ANH	FM	CH _{M2}	4000	-0.10			PASS
TX-ANH	FM	CH _{M2}	4500	-7.50			PASS
TX-ANH	FM	CH _{M2}	5000	-12.95			PASS



Appendix E:Aduio Frequency Response

TEST PLOT RESULT

Aduio Freqeuncy Response For 12.5kHz



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

**Appendix F:Frequency Stability Test & Temperature**

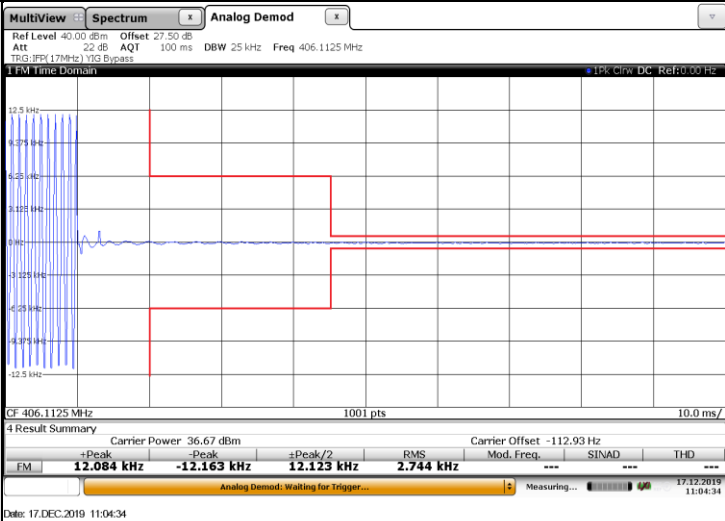
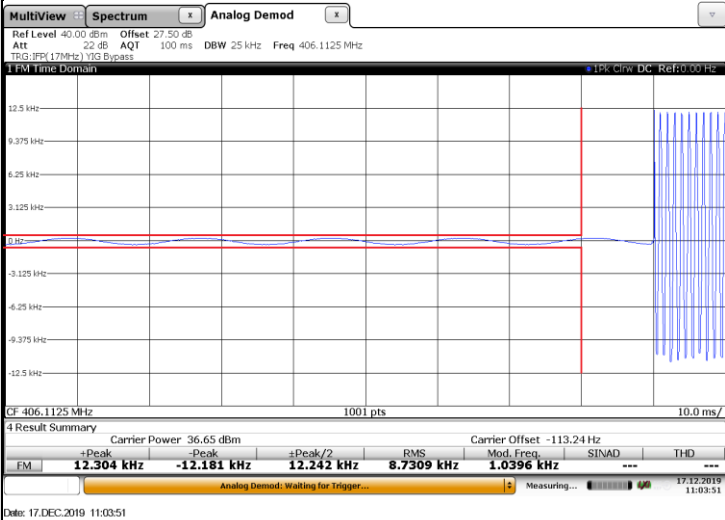
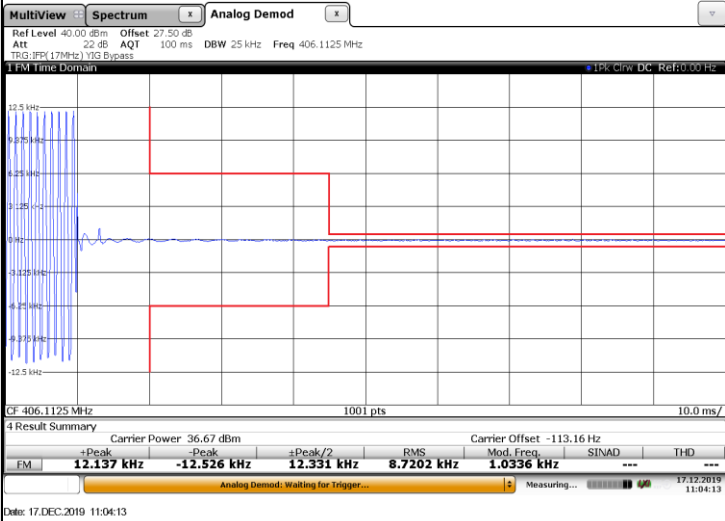
Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	0.152	0.155	0.151	0.189	0.236	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.154	0.159	0.147	0.180	0.222	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.157	0.148	0.146	0.183	0.233	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.148	0.150	0.149	0.186	0.231	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.152	0.156	0.150	0.185	0.221	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.145	0.145	0.143	0.178	0.215	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.154	0.159	0.154	0.183	0.217	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.152	0.159	0.150	0.185	0.220	±5.0	PASS
TX-DNH	4FSK	V _N	55	0.157	0.146	0.154	0.186	0.236	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.135	0.164	0.152	0.241	0.219	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.142	0.156	0.149	0.234	0.226	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.141	0.158	0.150	0.239	0.235	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.139	0.156	0.142	0.236	0.220	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.137	0.150	0.150	0.241	0.231	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.135	0.150	0.140	0.226	0.215	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.144	0.160	0.142	0.247	0.225	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.143	0.165	0.153	0.240	0.220	±5.0	PASS
TX-DNL	4FSK	V _N	55	0.135	0.162	0.152	0.248	0.231	±5.0	PASS
TX-ANH	FM	V _N	-30	-0.227	-0.219	-0.224	-0.227	-0.215	±5.0	PASS
TX-ANH	FM	V _N	-20	-0.225	-0.218	-0.225	-0.219	-0.221	±5.0	PASS
TX-ANH	FM	V _N	-10	-0.223	-0.217	-0.228	-0.217	-0.222	±5.0	PASS
TX-ANH	FM	V _N	0	-0.215	-0.226	-0.237	-0.216	-0.230	±5.0	PASS
TX-ANH	FM	V _N	10	-0.220	-0.218	-0.218	-0.221	-0.216	±5.0	PASS
TX-ANH	FM	V _N	20	-0.215	-0.212	-0.217	-0.212	-0.211	±5.0	PASS
TX-ANH	FM	V _N	30	-0.222	-0.219	-0.235	-0.232	-0.217	±5.0	PASS
TX-ANH	FM	V _N	40	-0.228	-0.214	-0.234	-0.219	-0.223	±5.0	PASS
TX-ANH	FM	V _N	55	-0.236	-0.225	-0.232	-0.220	-0.228	±5.0	PASS
TX-ANL	FM	V _N	-30	-0.220	-0.229	-0.233	-0.214	-0.210	±5.0	PASS
TX-ANL	FM	V _N	-20	-0.234	-0.225	-0.220	-0.219	-0.221	±5.0	PASS
TX-ANL	FM	V _N	-10	-0.221	-0.233	-0.221	-0.216	-0.225	±5.0	PASS
TX-ANL	FM	V _N	0	-0.218	-0.225	-0.239	-0.212	-0.212	±5.0	PASS
TX-ANL	FM	V _N	10	-0.227	-0.222	-0.226	-0.218	-0.207	±5.0	PASS
TX-ANL	FM	V _N	20	-0.217	-0.212	-0.219	-0.210	-0.206	±5.0	PASS
TX-ANL	FM	V _N	30	-0.232	-0.223	-0.230	-0.221	-0.219	±5.0	PASS
TX-ANL	FM	V _N	40	-0.236	-0.223	-0.227	-0.226	-0.219	±5.0	PASS
TX-ANL	FM	V _N	55	-0.227	-0.216	-0.241	-0.211	-0.211	±5.0	PASS

**Appendix G:Frequency Stability Test & Voltage**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	T _N	0.145	0.145	0.143	0.178	0.215	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.145	0.147	0.143	0.181	0.216	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.151	0.150	0.147	0.181	0.224	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.135	0.150	0.140	0.226	0.215	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.135	0.151	0.143	0.228	0.216	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.142	0.155	0.142	0.238	0.220	±5.0	PASS
TX-ANH	FM	V _N	T _N	-0.215	-0.212	-0.217	-0.212	-0.211	±5.0	PASS
TX-ANH	FM	V _L	T _N	-0.218	-0.214	-0.219	-0.216	-0.211	±5.0	PASS
TX-ANH	FM	V _H	T _N	-0.224	-0.223	-0.223	-0.222	-0.215	±5.0	PASS
TX-ANL	FM	V _N	T _N	-0.217	-0.212	-0.219	-0.210	-0.206	±5.0	PASS
TX-ANL	FM	V _L	T _N	-0.219	-0.215	-0.220	-0.210	-0.209	±5.0	PASS
TX-ANL	FM	V _H	T _N	-0.223	-0.221	-0.232	-0.222	-0.218	±5.0	PASS



Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M2}	 OFF-ON
TX-DNH	4FSK	CH _{M2}	 ON-OFF
TX-ANH	FM	CH _{M2}	 OFF-ON

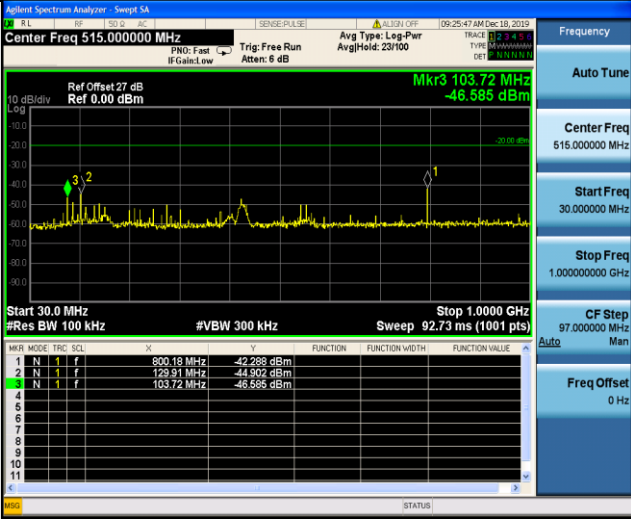
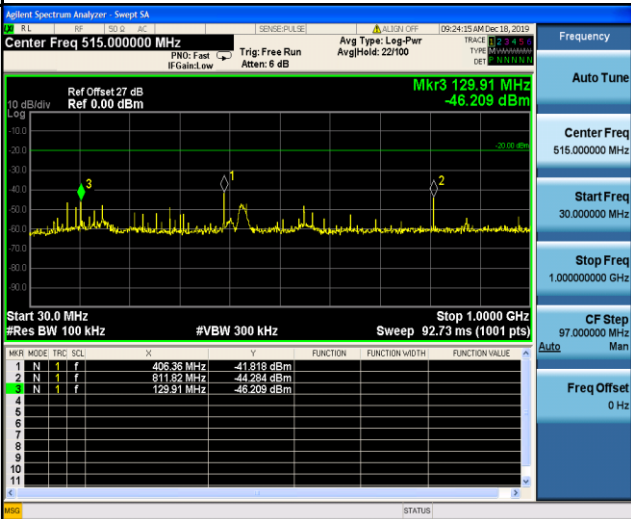


Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																										
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 40.00 dBm Offset 27.50 dB Att 22 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: RFK (170kHz) 3TG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 Hz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power</td><td>36.65 dBm</td><td></td><td>Carrier Offset</td><td>-112.82 Hz</td><td></td></tr><tr><td>FM</td><td>+Peak</td><td>12.117 kHz</td><td>-Peak</td><td>-13.579 kHz</td><td>+Peak/2</td><td>12.848 kHz</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>RMS</td><td>2.7557 kHz</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Mod. Freq.</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>SINAD</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>THD</td><td></td></tr></table> Analog Demod: Waiting for Trigger... Measuring... Date: 17.DEC.2019 11:03:35 ON-OFF		Carrier Power	36.65 dBm		Carrier Offset	-112.82 Hz		FM	+Peak	12.117 kHz	-Peak	-13.579 kHz	+Peak/2	12.848 kHz						RMS	2.7557 kHz						Mod. Freq.							SINAD							THD	
	Carrier Power	36.65 dBm		Carrier Offset	-112.82 Hz																																								
FM	+Peak	12.117 kHz	-Peak	-13.579 kHz	+Peak/2	12.848 kHz																																							
					RMS	2.7557 kHz																																							
					Mod. Freq.																																								
					SINAD																																								
					THD																																								

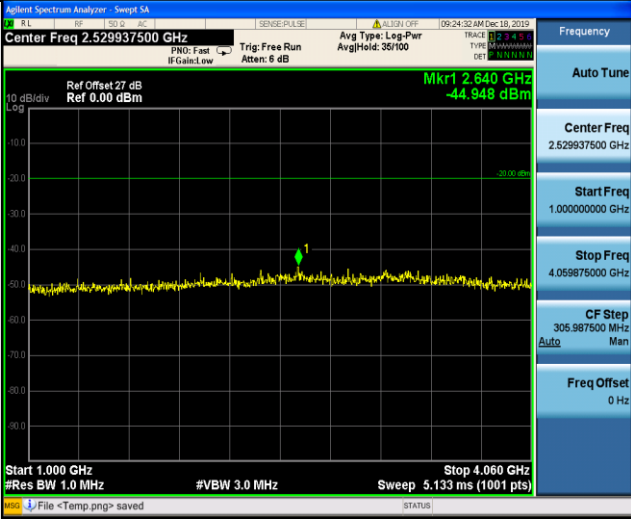
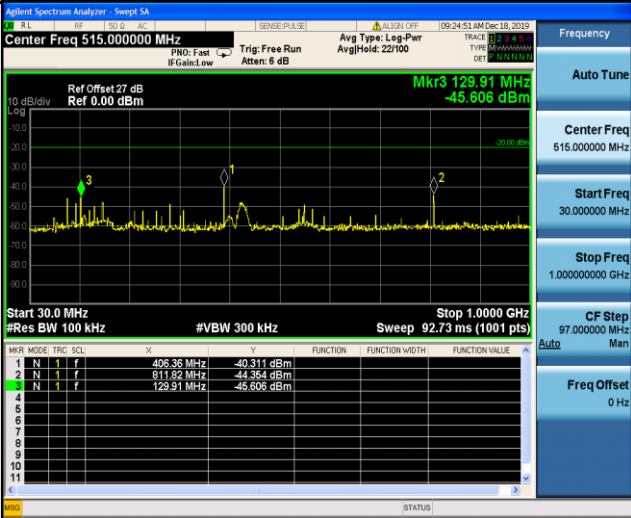


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	 30MHz~1GHz
TX-DNH	4FSK	CH _L	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _{M1}	 30MHz~1GHz

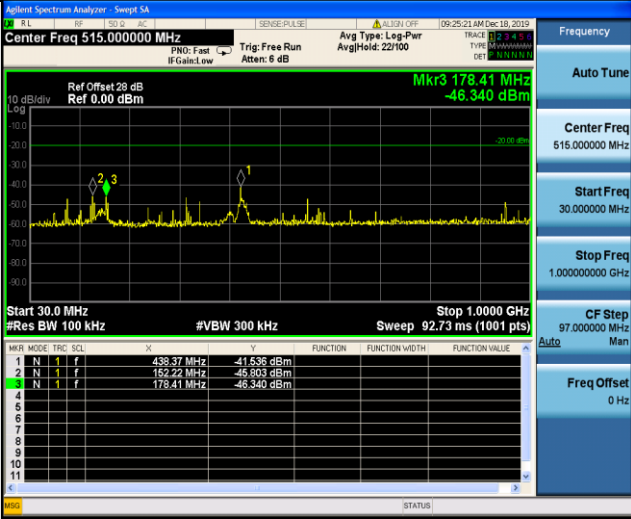
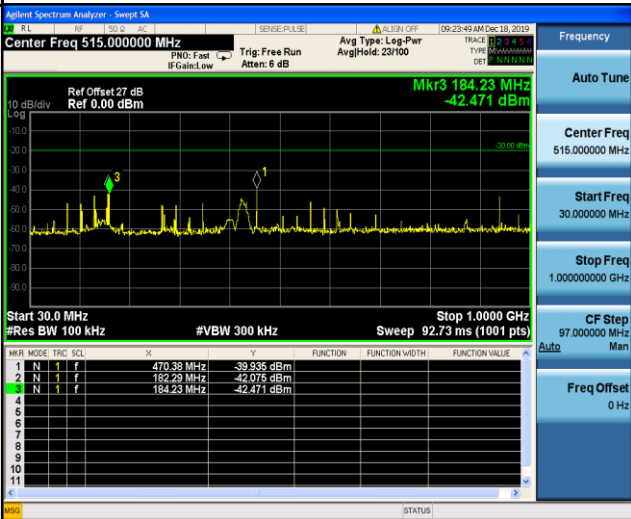


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M1}	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _{M2}	 30MHz~1GHz
TX-DNH	4FSK	CH _{M2}	 1GHz~10th Harmonic

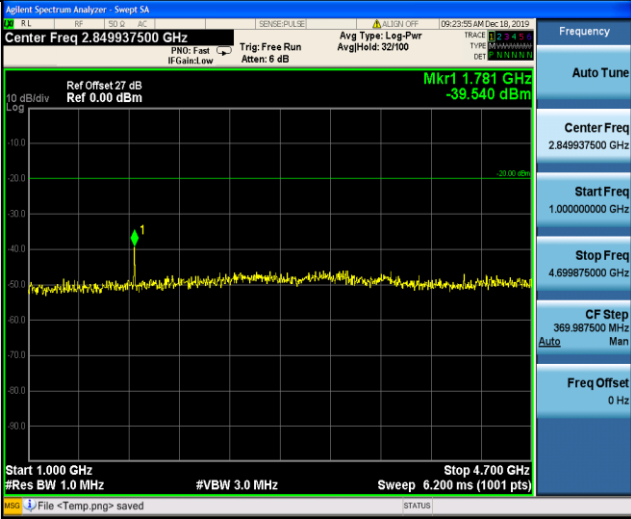
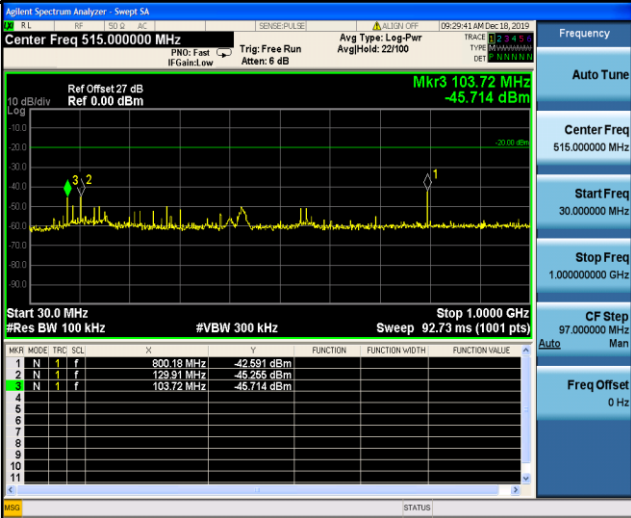
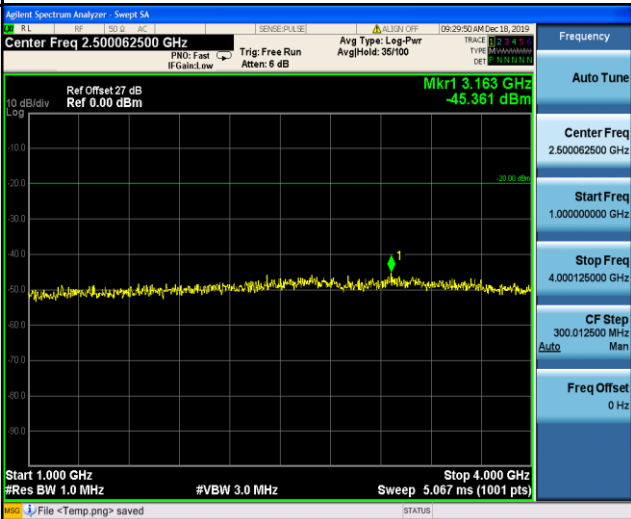


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	 30MHz~1GHz
TX-DNH	4FSK	CH _{M3}	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	 30MHz~1GHz

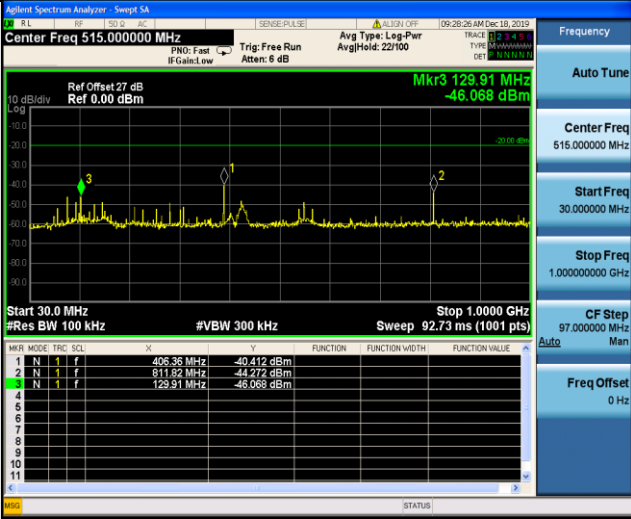
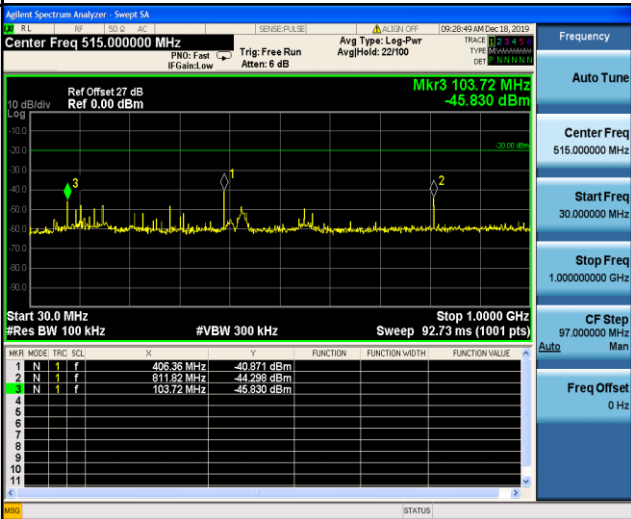


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.849937500 GHz PNO: Fast IF Gain: Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr AvgHold: 32/100 Ref Offset 27 dB Ref 0.00 dBm Mkr1 1.781 GHz -39.540 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.700 GHz Sweep 6.200 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz PNO: Fast IF Gain: Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr AvgHold: 22/100 Ref Offset 27 dB Ref 0.00 dBm Mkr3 103.72 MHz -45.714 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts) Mkr MODE TRG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 800.18 MHz -42.591 dBm 2 N 1 f 129.91 MHz -46.266 dBm 3 N 1 f 103.72 MHz -45.714 dBm 4 5 6 7 8 9 10 11 30MHz~1GHz
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.500062500 GHz PNO: Fast IF Gain: Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr AvgHold: 35/100 Ref Offset 27 dB Ref 0.00 dBm Mkr1 3.163 GHz -45.361 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.000 GHz Sweep 5.067 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic

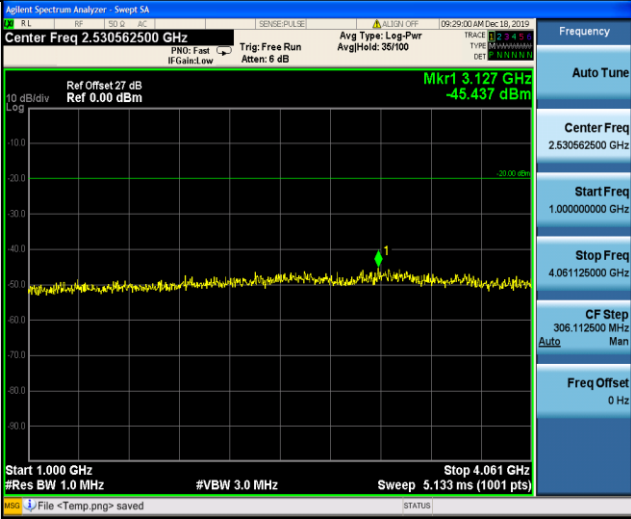
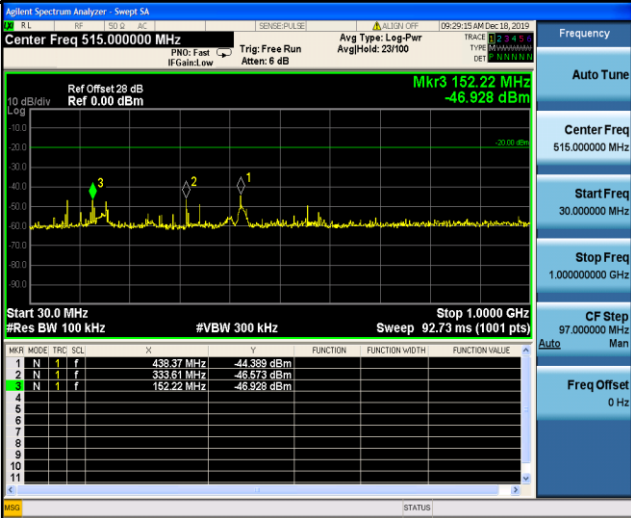
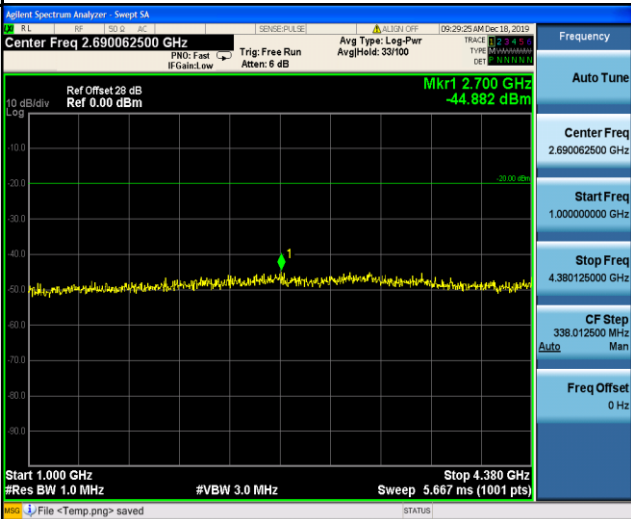


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M1}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 27 dB Ref 0.00 dBm Mkr3 129.91 MHz -46.068 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts) Mkr1 406.36 MHz -40.412 dBm Mkr2 811.82 MHz -44.272 dBm Mkr3 129.91 MHz -46.068 dBm Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Man Freq Offset 0 Hz 30MHz~1GHz
TX-ANH	FM	CH _{M1}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.529937500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 3.295 GHz -46.231 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.060 GHz Sweep 5.133 ms (1001 pts) File <Temp.png> saved Frequency Auto Tune Center Freq 2.529937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.059875000 GHz CF Step 306.987500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic
TX-ANH	FM	CH _{M2}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 27 dB Ref 0.00 dBm Mkr3 103.72 MHz -45.830 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts) Mkr1 406.36 MHz -40.871 dBm Mkr2 811.82 MHz -44.298 dBm Mkr3 103.72 MHz -45.830 dBm Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz 30MHz~1GHz

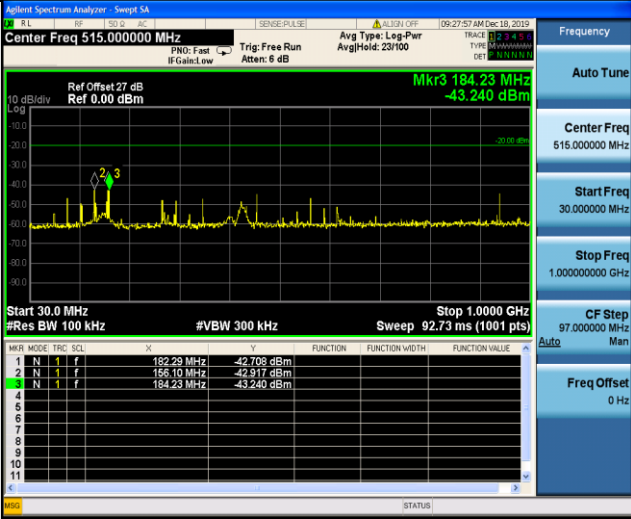
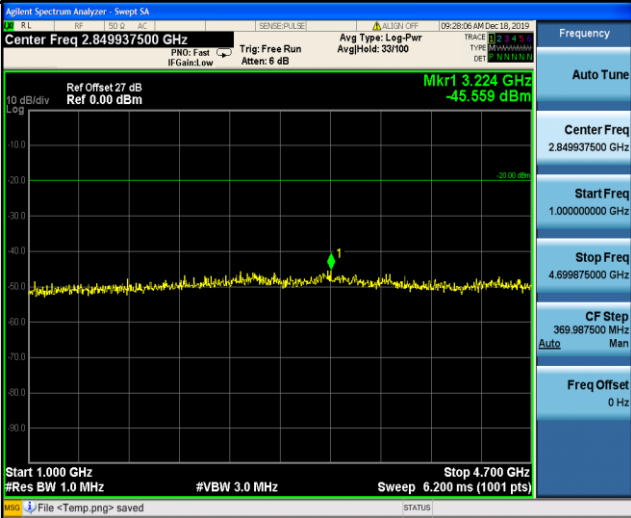


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.530562500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 3.127 GHz -45.437 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.133 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic
TX-ANH	FM	CH _{M3}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 28 dB Ref 0.00 dBm Mkr3 152.22 MHz -46.928 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) File <Temp.png> saved 30MHz~1GHz
TX-ANH	FM	CH _{M3}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.690062500 GHz Ref Offset 28 dB Ref 0.00 dBm Mkr1 2.700 GHz -44.882 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.667 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _H	 30MHz~1GHz
TX-ANH	FM	CH _H	 1GHz~10th Harmonic

----End of Report----