

**Appendix A:Maximum Transmitter Power**

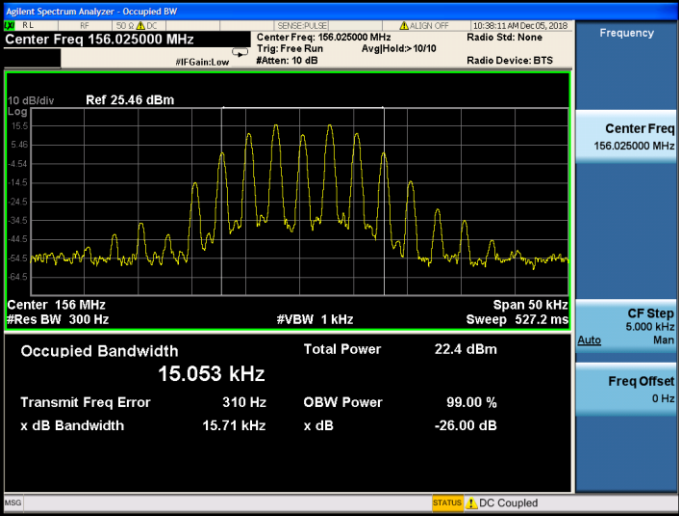
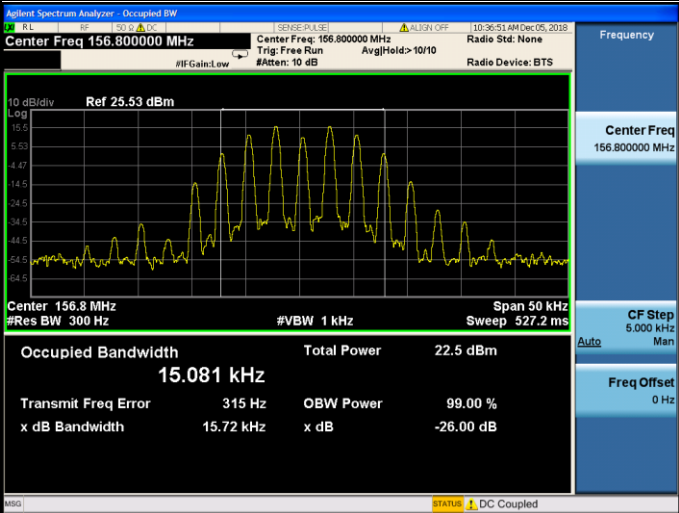
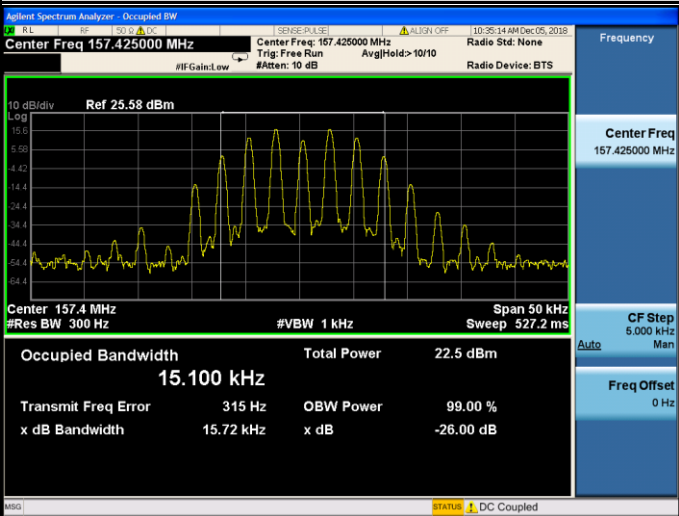
Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-AWH	FM	CH _L	34.7	2.96	3.00	-1.4	±20	PASS
TX-AWH	FM	CH _M	34.7	2.96	3.00	-1.2	±20	PASS
TX-AWH	FM	CH _H	34.7	2.96	3.00	-1.2	±20	PASS
TX-AWL	FM	CH _L	27.2	0.52	0.50	3.8	±20	PASS
TX-AWL	FM	CH _M	27.0	0.50	0.50	0.9	±20	PASS
TX-AWL	FM	CH _H	27.0	0.50	0.50	0.7	±20	PASS

**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-AWH	FM	CH _L	15.053	15.710	≤20	PASS
TX-AWH	FM	CH _M	15.081	15.710	≤20	PASS
TX-AWH	FM	CH _H	<u>15.100</u>	15.720	≤20	PASS
TX-AWL	FM	CH _L	15.074	15.710	≤20	PASS
TX-AWL	FM	CH _M	15.106	15.730	≤20	PASS
TX-AWL	FM	CH _H	<u>15.126</u>	15.730	≤20	PASS



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-AWH	FM	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 25.46 dBm 10 dB/div Log Center 156 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 15.053 kHz Total Power 22.4 dBm Transmit Freq Error 310 Hz OBW Power 99.00 % x dB Bandwidth 15.71 kHz x dB -26.00 dB Frequency Center Freq 156.025000 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-AWH	FM	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 25.53 dBm 10 dB/div Log Center 156.8 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 15.081 kHz Total Power 22.5 dBm Transmit Freq Error 315 Hz OBW Power 99.00 % x dB Bandwidth 15.72 kHz x dB -26.00 dB Frequency Center Freq 156.800000 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-AWH	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 25.58 dBm 10 dB/div Log Center 157.4 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 15.100 kHz Total Power 22.5 dBm Transmit Freq Error 315 Hz OBW Power 99.00 % x dB Bandwidth 15.72 kHz x dB -26.00 dB Frequency Center Freq 157.425000 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled



Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-AWL	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None #IF Gain: Low #Atten: 6 dB Radio Device: BTS Ref 18.53 dBm Center 156 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 15.074 kHz Total Power 15.3 dBm Transmit Freq Error 306 Hz OBW Power 99.00 % x dB Bandwidth 15.71 kHz x dB -26.00 dB MSG STATUS DC Coupled
TX-AWL	FM	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None #IF Gain: Low #Atten: 6 dB Radio Device: BTS Ref 18.47 dBm Center 156.8 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 15.106 kHz Total Power 15.2 dBm Transmit Freq Error 315 Hz OBW Power 99.00 % x dB Bandwidth 15.73 kHz x dB -26.00 dB MSG STATUS DC Coupled
TX-AWL	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None #IF Gain: Low #Atten: 6 dB Radio Device: BTS Ref 18.41 dBm Center 157.4 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 15.126 kHz Total Power 15.2 dBm Transmit Freq Error 315 Hz OBW Power 99.00 % x dB Bandwidth 15.73 kHz x dB -26.00 dB MSG STATUS DC Coupled



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-AWH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Trig: Free Run IF Gain: Low #Atten: 40 dB Radio Std: None Radio Device: BTS Ref Offset 26 dB Ref 27.0 dBm Center 156 MHz Span 120 kHz Total Power Ref 21.13 dBm/0.0125 MHz <table><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 ></th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>10.00 kHz</td><td>300.0 Hz</td><td>-1.321</td><td>(-24.24)</td><td>0.0</td><td>21.50</td><td>(-1.42)</td><td>359.3</td><td>10.90 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-46.29</td><td>(-42.71)</td><td>-10.00 k</td><td>-43.48</td><td>(-39.90)</td><td>10.90 k</td><td>20.37 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-47.73</td><td>(-34.16)</td><td>-20.37 k</td><td>-48.54</td><td>(-34.96)</td><td>21.33 k</td><td>54.30 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-53.34</td><td>(-40.34)</td><td>-50.95 k</td><td>-54.97</td><td>(-41.97)</td><td>54.30 k</td><td>54.30 k</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><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><td>—</td></tr></tbody></table> File <MASK B state> recalled Frequency Center Freq 156.025000 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	10.00 kHz	300.0 Hz	-1.321	(-24.24)	0.0	21.50	(-1.42)	359.3	10.90 k	10.00 kHz	20.00 kHz	300.0 Hz	-46.29	(-42.71)	-10.00 k	-43.48	(-39.90)	10.90 k	20.37 k	20.00 kHz	50.00 kHz	300.0 Hz	-47.73	(-34.16)	-20.37 k	-48.54	(-34.96)	21.33 k	54.30 k	50.00 kHz	60.00 kHz	300.0 Hz	-53.34	(-40.34)	-50.95 k	-54.97	(-41.97)	54.30 k	54.30 k	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

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TX-AWH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run IF Gain: Low #Atten: 40 dB Radio Std: None Radio Device: BTS Ref Offset 26 dB Ref 27.0 dBm 10 dB/div Log 7.0 3.00 23.0 43.0 63.0 Center 157.4 MHz Span 120 kHz Total Power Ref 21.32 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>10.00 kHz</td><td>300.0 Hz</td><td>-6.230</td><td>(-29.29)</td><td>0.0</td><td>21.62</td><td>(-1.43)</td><td>359.3</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-46.98</td><td>(-43.53)</td><td>-19.47 k</td><td>-45.82</td><td>(-42.38)</td><td>13.42 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-50.34</td><td>(-36.89)</td><td>-22.05 k</td><td>-49.30</td><td>(-35.86)</td><td>24.75 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-52.03</td><td>(-39.03)</td><td>-57.96 k</td><td>-53.79</td><td>(-40.79)</td><td>55.14 k</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 B.state> recalled STATUS Frequency Center Freq 157.425000 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	10.00 kHz	300.0 Hz	-6.230	(-29.29)	0.0	21.62	(-1.43)	359.3	10.00 kHz	20.00 kHz	300.0 Hz	-46.98	(-43.53)	-19.47 k	-45.82	(-42.38)	13.42 k	20.00 kHz	50.00 kHz	300.0 Hz	-50.34	(-36.89)	-22.05 k	-49.30	(-35.86)	24.75 k	50.00 kHz	60.00 kHz	300.0 Hz	-52.03	(-39.03)	-57.96 k	-53.79	(-40.79)	55.14 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-AWH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run IF Gain: Low #Atten: 40 dB Radio Std: None Radio Device: BTS Ref Offset 26 dB Ref 27.0 dBm 10 dB/div Log 7.0 3.00 23.0 43.0 63.0 Center 157.4 MHz Span 120 kHz Total Power Ref 21.21 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>10.00 kHz</td><td>300.0 Hz</td><td>16.82</td><td>(-6.24)</td><td>-2.156 k</td><td>16.79</td><td>(-6.27)</td><td>2.874 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-20.88</td><td>(-17.44)</td><td>-10.00 k</td><td>-12.32</td><td>(-8.88)</td><td>10.30 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-53.33</td><td>(-39.89)</td><td>-20.00 k</td><td>-51.19</td><td>(-37.75)</td><td>20.37 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-56.69</td><td>(-43.69)</td><td>-55.38 k</td><td>-56.47</td><td>(-43.47)</td><td>54.54 k</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 157.425000 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	10.00 kHz	300.0 Hz	16.82	(-6.24)	-2.156 k	16.79	(-6.27)	2.874 k	10.00 kHz	20.00 kHz	300.0 Hz	-20.88	(-17.44)	-10.00 k	-12.32	(-8.88)	10.30 k	20.00 kHz	50.00 kHz	300.0 Hz	-53.33	(-39.89)	-20.00 k	-51.19	(-37.75)	20.37 k	50.00 kHz	60.00 kHz	300.0 Hz	-56.69	(-43.69)	-55.38 k	-56.47	(-43.47)	54.54 k	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-AWL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Radio Std: None PASS IF Gain: Low Atten: 40 dB Radio Device: BTS Ref Offset 26 dB Ref 20.0 dBm 10 dB/div Log <



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-AWL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 MHz SENSE: PULSEL ALIM: OFF 10:11:00 AM Dec 05, 2018 Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 26 dB Ref 20.0 dBm 10 dB/div Log 0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 Mask Spectrum Absolute Level Center 156.8 MHz Span 120 kHz Total Power Ref 13.94 dBm/0.0125 MHz <table><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>10.00 kHz</td><td>300.0 Hz</td><td>9.560</td><td>(-6.46)</td><td>-2.156 k</td><td>9.498</td><td>(-6.52)</td><td>2.754 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-28.23</td><td>(-17.75)</td><td>-10.00 k</td><td>-19.27</td><td>(-8.79)</td><td>10.30 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-57.36</td><td>(-36.88)</td><td>-26.07 k</td><td>-55.48</td><td>(-35.00)</td><td>20.31 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-58.19</td><td>(-45.19)</td><td>-56.52 k</td><td>-58.86</td><td>(-45.86)</td><td>59.76 k</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> File <Temp.png> saved STATUS Frequency Center Freq 156.800000 MHz CF Step 12.000 kHz 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	10.00 kHz	300.0 Hz	9.560	(-6.46)	-2.156 k	9.498	(-6.52)	2.754 k	10.00 kHz	20.00 kHz	300.0 Hz	-28.23	(-17.75)	-10.00 k	-19.27	(-8.79)	10.30 k	20.00 kHz	50.00 kHz	300.0 Hz	-57.36	(-36.88)	-26.07 k	-55.48	(-35.00)	20.31 k	50.00 kHz	60.00 kHz	300.0 Hz	-58.19	(-45.19)	-56.52 k	-58.86	(-45.86)	59.76 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-AWL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 MHz SENSE: PULSEL ALIM: OFF 10:06:20 AM Dec 05, 2018 Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 26 dB Ref 20.0 dBm 10 dB/div Log 0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 Mask Spectrum Absolute Level Center 157.4 MHz Span 120 kHz Total Power Ref 13.97 dBm/0.0125 MHz <table><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>10.00 kHz</td><td>300.0 Hz</td><td>-9.786</td><td>(-25.74)</td><td>0.0</td><td>14.39</td><td>(-1.56)</td><td>239.5</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-50.32</td><td>(-39.78)</td><td>-10.36 k</td><td>-51.85</td><td>(-41.11)</td><td>19.83 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-54.80</td><td>(-34.26)</td><td>-27.87 k</td><td>-53.91</td><td>(-33.37)</td><td>41.83 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-55.05</td><td>(-42.05)</td><td>-55.26 k</td><td>-54.28</td><td>(-41.28)</td><td>50.95 k</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> File <MASK B.state> recalled STATUS Frequency Center Freq 157.425000 MHz CF Step 12.000 kHz 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	10.00 kHz	300.0 Hz	-9.786	(-25.74)	0.0	14.39	(-1.56)	239.5	10.00 kHz	20.00 kHz	300.0 Hz	-50.32	(-39.78)	-10.36 k	-51.85	(-41.11)	19.83 k	20.00 kHz	50.00 kHz	300.0 Hz	-54.80	(-34.26)	-27.87 k	-53.91	(-33.37)	41.83 k	50.00 kHz	60.00 kHz	300.0 Hz	-55.05	(-42.05)	-55.26 k	-54.28	(-41.28)	50.95 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-AWL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 MHz SENSE: PULSEL ALIM: OFF 10:07:09 AM Dec 05, 2018 Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 26 dB Ref 20.0 dBm 10 dB/div Log 0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 Mask Spectrum Absolute Level Center 157.4 MHz Span 120 kHz Total Power Ref 13.85 dBm/0.0125 MHz <table><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>10.00 kHz</td><td>300.0 Hz</td><td>9.476</td><td>(-6.48)</td><td>-2.156 k</td><td>9.463</td><td>(-6.49)</td><td>2.874 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-28.35</td><td>(-17.80)</td><td>-10.00 k</td><td>-19.09</td><td>(-8.55)</td><td>10.30 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-57.08</td><td>(-36.54)</td><td>-24.15 k</td><td>-56.28</td><td>(-35.73)</td><td>21.03 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-58.71</td><td>(-45.71)</td><td>-58.56 k</td><td>-58.13</td><td>(-45.13)</td><td>55.92 k</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> File <Temp.png> saved STATUS Frequency Center Freq 157.425000 MHz CF Step 12.000 kHz 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	10.00 kHz	300.0 Hz	9.476	(-6.48)	-2.156 k	9.463	(-6.49)	2.874 k	10.00 kHz	20.00 kHz	300.0 Hz	-28.35	(-17.80)	-10.00 k	-19.09	(-8.55)	10.30 k	20.00 kHz	50.00 kHz	300.0 Hz	-57.08	(-36.54)	-24.15 k	-56.28	(-35.73)	21.03 k	50.00 kHz	60.00 kHz	300.0 Hz	-58.71	(-45.71)	-58.56 k	-58.13	(-45.13)	55.92 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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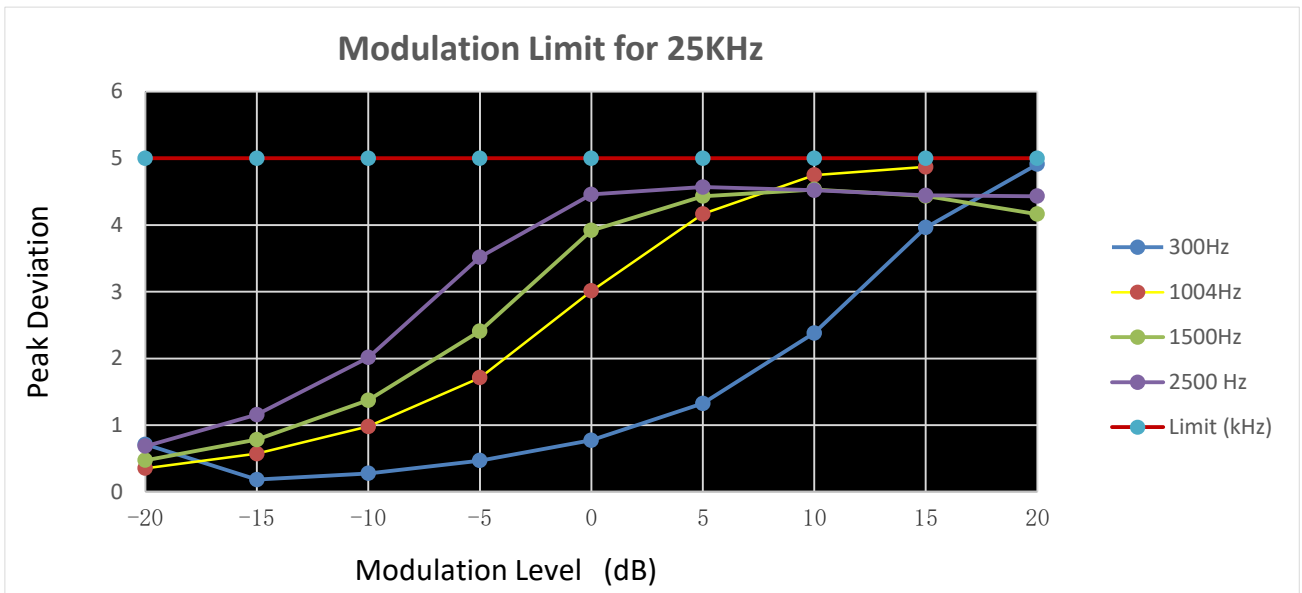
**Appendix D:Modulation Limit**

Operation Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Result
				300Hz	1004Hz	1500Hz	2500 Hz		
TX-AWH	FM	CH _M	-20	0.71	0.353	0.473	0.685	5	PASS
TX-AWH	FM	CH _M	-15	0.184	0.571	0.784	1.157	5	PASS
TX-AWH	FM	CH _M	-10	0.276	0.981	1.374	2.015	5	PASS
TX-AWH	FM	CH _M	-5	0.469	1.712	2.41	3.519	5	PASS
TX-AWH	FM	CH _M	0	0.774	3.013	3.918	4.459	5	PASS
TX-AWH	FM	CH _M	5	1.326	4.166	4.432	4.569	5	PASS
TX-AWH	FM	CH _M	10	2.382	4.749	4.534	4.521	5	PASS
TX-AWH	FM	CH _M	15	3.961	4.871	4.434	4.444	5	PASS
TX-AWH	FM	CH _M	20	4.912	4.847	4.163	4.431	5	PASS



Appendix D:Modulation Limit

TEST PLOT RESULT



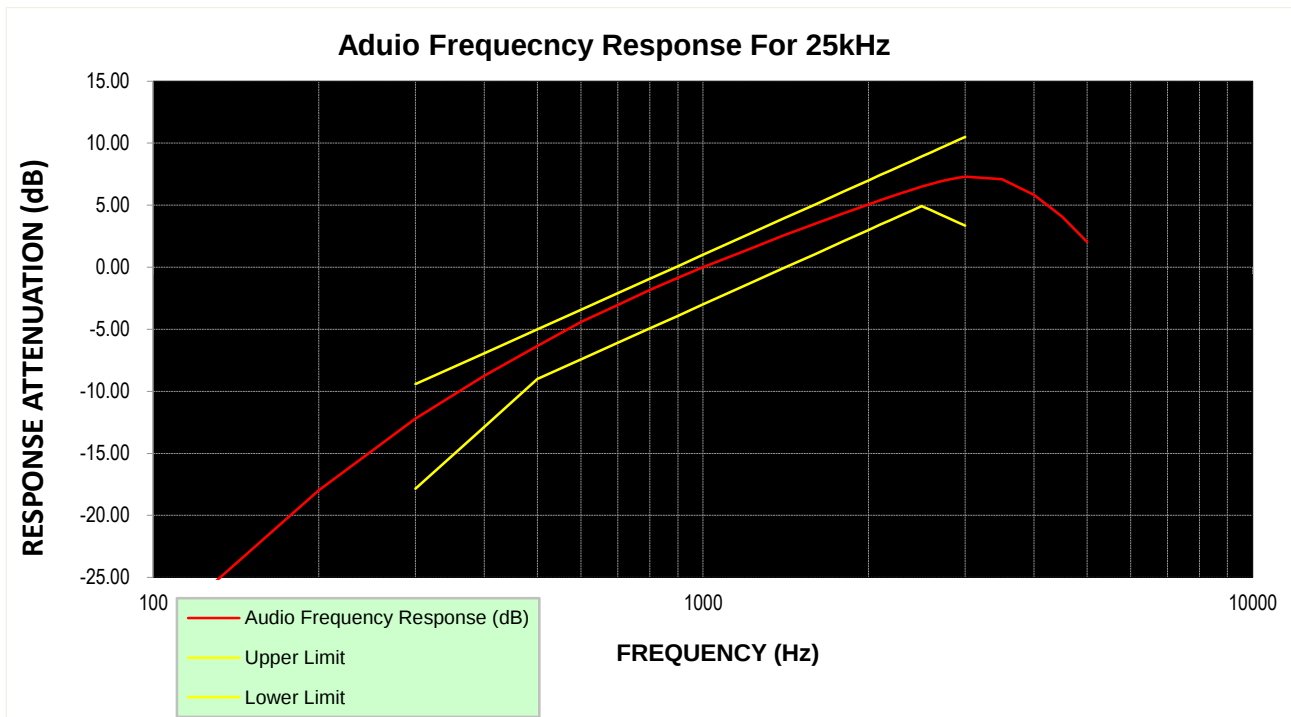
**Appendix E:Aduio Frequency Response**

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-AWH	FM	CH _M	100	-29.77			PASS
TX-AWH	FM	CH _M	200	-17.99			PASS
TX-AWH	FM	CH _M	300	-12.19	-17.84	-9.42	PASS
TX-AWH	FM	CH _M	400	-8.74	-12.86	-6.93	PASS
TX-AWH	FM	CH _M	500	-6.36	-9.00	-5.00	PASS
TX-AWH	FM	CH _M	600	-4.42	-7.42	-3.42	PASS
TX-AWH	FM	CH _M	700	-3.05	-6.09	-2.09	PASS
TX-AWH	FM	CH _M	800	-1.82	-4.93	-0.93	PASS
TX-AWH	FM	CH _M	900	-0.86	-3.91	0.09	PASS
TX-AWH	FM	CH _M	1000	0.01	-3.00	1.00	PASS
TX-AWH	FM	CH _M	1200	1.38	-1.42	2.58	PASS
TX-AWH	FM	CH _M	1400	2.55	-0.09	3.91	PASS
TX-AWH	FM	CH _M	1600	3.51	1.07	5.07	PASS
TX-AWH	FM	CH _M	1800	4.33	2.09	6.09	PASS
TX-AWH	FM	CH _M	2000	5.07	3.00	7.00	PASS
TX-AWH	FM	CH _M	2100	5.40	3.42	7.42	PASS
TX-AWH	FM	CH _M	2200	5.70	3.83	7.83	PASS
TX-AWH	FM	CH _M	2300	5.99	4.21	8.21	PASS
TX-AWH	FM	CH _M	2400	6.25	4.58	8.58	PASS
TX-AWH	FM	CH _M	2500	6.50	4.93	8.93	PASS
TX-AWH	FM	CH _M	2600	6.72	4.59	9.27	PASS
TX-AWH	FM	CH _M	2700	6.91	4.27	9.60	PASS
TX-AWH	FM	CH _M	2800	7.07	3.95	9.91	PASS
TX-AWH	FM	CH _M	2900	7.19	3.65	10.22	PASS
TX-AWH	FM	CH _M	3000	7.29	3.35	10.51	PASS
TX-AWH	FM	CH _M	3500	7.09			PASS
TX-AWH	FM	CH _M	4000	5.84			PASS
TX-AWH	FM	CH _M	4500	4.07			PASS
TX-AWH	FM	CH _M	5000	2.04			PASS



Appendix E:Aduio Frequency Response

TEST PLOT RESULT



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

**Appendix F:Audio Low Pass Filter Response**

Operation Mode	Modulation Type	Test Channel	Frequency (KHz)	dB relative to 1 KHz	Limit	Result
TX-AWH	FM	CH _M	1	-16.67	0.00	PASS
TX-AWH	FM	CH _M	3	-24.98	0.00	PASS
TX-AWH	FM	CH _M	4	-38.86	-7.50	PASS
TX-AWH	FM	CH _M	5	-52.74	-13.30	PASS
TX-AWH	FM	CH _M	6	-57.69	-18.10	PASS
TX-AWH	FM	CH _M	8	-58.89	-25.60	PASS
TX-AWH	FM	CH _M	10	-58.82	-31.40	PASS
TX-AWH	FM	CH _M	15	-58.87	-41.90	PASS
TX-AWH	FM	CH _M	20	-58.83	-50.00	PASS
TX-AWH	FM	CH _M	30	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	40	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	50	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	60	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	70	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	80	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	90	-58.79	-50.00	PASS
TX-AWH	FM	CH _M	100	-58.79	-50.00	PASS



Appendix F:Audio Low Pass Filter Response

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																					
TX-AWH	FM	CH _M	The graph displays the audio low pass filter response for TX-AWH in FM mode on test channel CH_M. The y-axis represents the gain in dB relative to 1 KHz, ranging from -70.00 to 10.00. The x-axis represents the frequency in KHz on a logarithmic scale from 1 to 100. A red line shows the measured response, and a yellow line shows the limit. The measured response starts at -15 dB at 1 KHz, decreases to -25 dB at 2 KHz, then drops sharply to -55 dB at 5 KHz, and remains flat at -55 dB up to 100 KHz. The limit starts at 0 dB at 1 KHz, remains flat until 2 KHz, then decreases linearly to -50 dB at 50 KHz, and remains flat at -50 dB up to 100 KHz. <table><tr><th>Frequency (KHz)</th><th>dB relative to 1 KHz (Measured)</th><th>dB relative to 1 KHz (Limit)</th></tr><tr><td>1</td><td>-15.00</td><td>0.00</td></tr><tr><td>2</td><td>-25.00</td><td>0.00</td></tr><tr><td>5</td><td>-55.00</td><td>-20.00</td></tr><tr><td>10</td><td>-55.00</td><td>-40.00</td></tr><tr><td>50</td><td>-55.00</td><td>-50.00</td></tr><tr><td>100</td><td>-55.00</td><td>-50.00</td></tr></table>	Frequency (KHz)	dB relative to 1 KHz (Measured)	dB relative to 1 KHz (Limit)	1	-15.00	0.00	2	-25.00	0.00	5	-55.00	-20.00	10	-55.00	-40.00	50	-55.00	-50.00	100	-55.00	-50.00
Frequency (KHz)	dB relative to 1 KHz (Measured)	dB relative to 1 KHz (Limit)																						
1	-15.00	0.00																						
2	-25.00	0.00																						
5	-55.00	-20.00																						
10	-55.00	-40.00																						
50	-55.00	-50.00																						
100	-55.00	-50.00																						

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

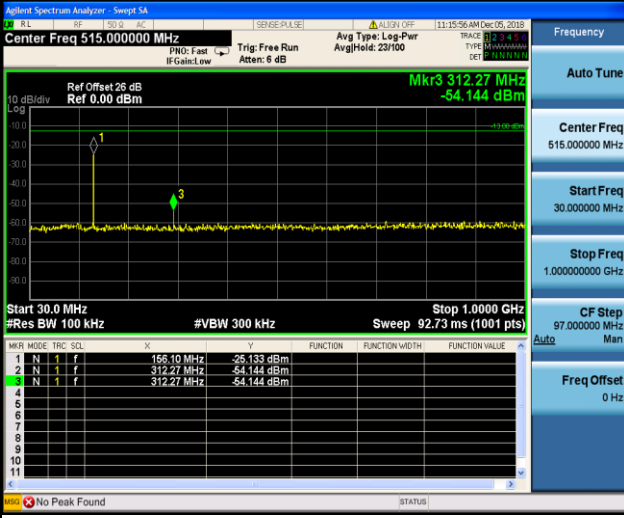
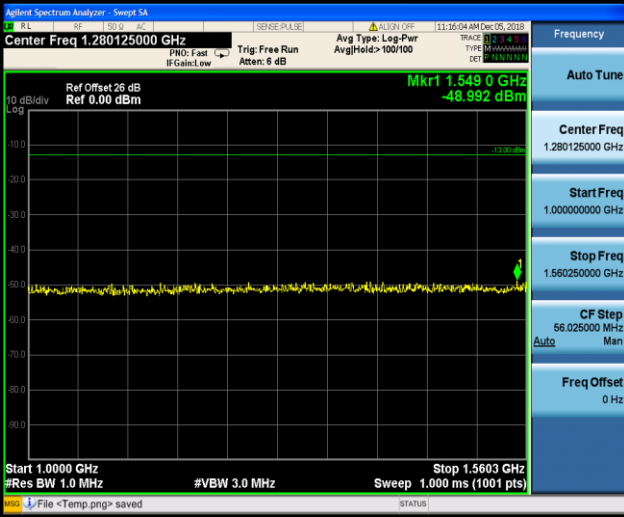
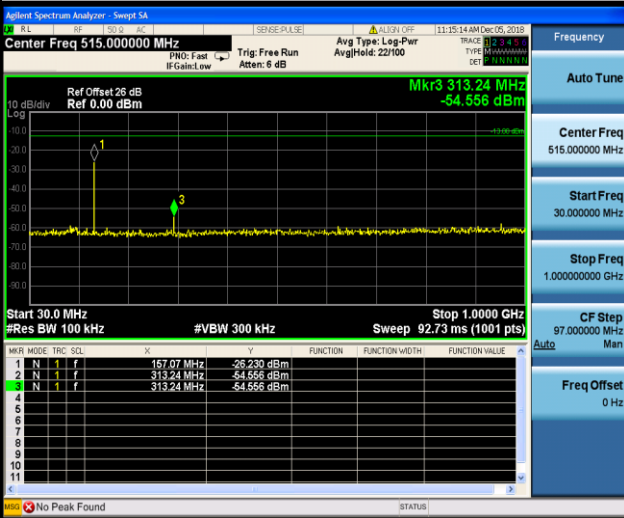
Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-AWH	FM	V _N	-30	-1.658	-1.644	<u>-1.740</u>	±10	PASS
TX-AWH	FM	V _N	-20	-1.519	-1.613	-1.602	±10	PASS
TX-AWH	FM	V _N	-10	-1.490	-1.429	-1.570	±10	PASS
TX-AWH	FM	V _N	0	-1.331	-1.307	-1.369	±10	PASS
TX-AWH	FM	V _N	10	-1.182	-1.205	-1.188	±10	PASS
TX-AWH	FM	V _N	20	-0.993	-1.021	-1.061	±10	PASS
TX-AWH	FM	V _N	30	-1.211	-1.174	-1.273	±10	PASS
TX-AWH	FM	V _N	40	-1.271	-1.307	-1.369	±10	PASS
TX-AWH	FM	V _N	55	-1.400	-1.419	-1.454	±10	PASS
TX-AWL	FM	V _N	-30	-1.600	-1.579	-1.592	±10	PASS
TX-AWL	FM	V _N	-20	-1.527	-1.475	-1.486	±10	PASS
TX-AWL	FM	V _N	-10	-1.414	-1.360	-1.412	±10	PASS
TX-AWL	FM	V _N	0	-1.280	-1.255	-1.370	±10	PASS
TX-AWL	FM	V _N	10	-1.218	-1.234	-1.244	±10	PASS
TX-AWL	FM	V _N	20	-1.032	-1.046	-1.054	±10	PASS
TX-AWL	FM	V _N	30	-1.269	-1.213	-1.286	±10	PASS
TX-AWL	FM	V _N	40	-1.311	-1.308	-1.349	±10	PASS
TX-AWL	FM	V _N	55	-1.455	-1.433	-1.476	±10	PASS

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

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-AWH	FM	V _N	T _N	-0.993	-1.021	-1.061	±10	PASS
TX-AWH	FM	V _L	T _N	-1.483	-1.511	<u>-1.521</u>	±10	PASS
TX-AWH	FM	V _H	T _N	-1.223	-1.231	-1.261	±10	PASS
TX-AWL	FM	V _N	T _N	-1.032	-1.046	-1.054	±10	PASS
TX-AWL	FM	V _L	T _N	-1.282	-1.386	-1.404	±10	PASS
TX-AWL	FM	V _H	T _N	-1.212	-1.276	-1.274	±10	PASS

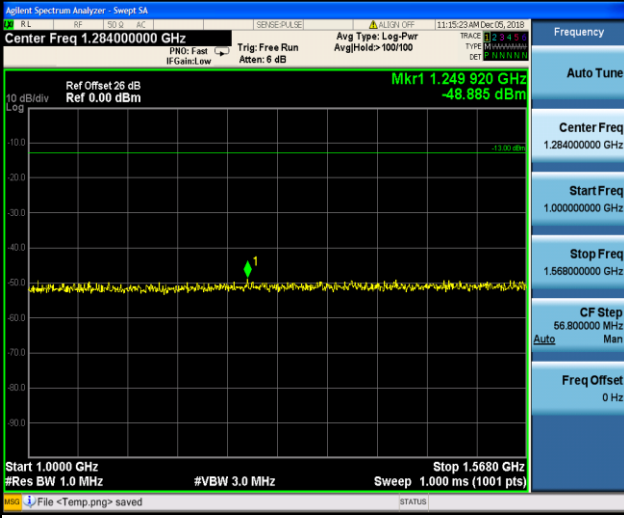
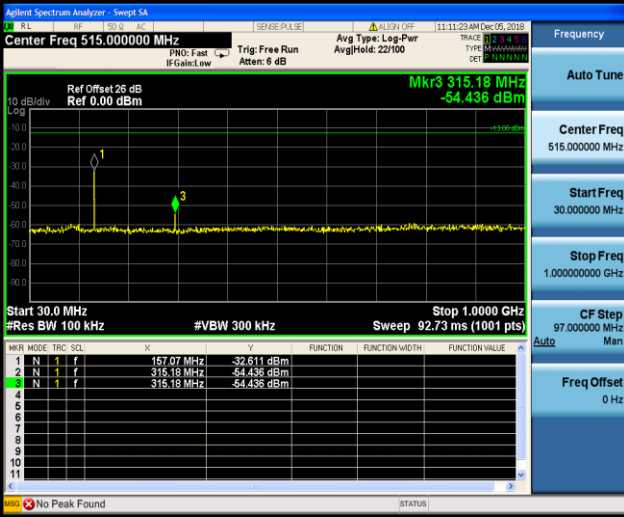
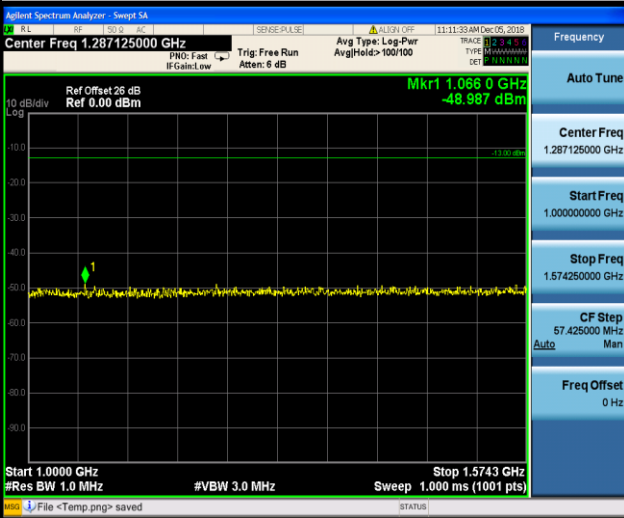


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-AWH	FM	CH _L		Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Freq Offset 0 Hz
			30MHz~1GHz	
TX-AWH	FM	CH _L		Frequency Auto Tune Center Freq 1.280125000 GHz Start Freq 1.000000000 GHz Stop Freq 1.560250000 GHz CF Step 56.025000 MHz Freq Offset 0 Hz
			1GHz~10th Harmonic	
TX-AWH	FM	CH _M		Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Freq Offset 0 Hz
			30MHz~1GHz	



Appendix I:Spurious Emission On Antenna Port

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

----End of Report----