

Project No.	SHT2203089001EW		
Test sample No.	YPHT22040479007	Model No.	RM20
Start test date	2022/5/23	Finish date	2022/6/1
Temperature	22.8°C	Humidity	47%
Test Engineer	<i>Casper Chen</i>	Auditor	<i>Xiaodong Zhao</i>

Appendix clause	Test Item	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	PASS
B	Occupied Bandwidth	PASS
C	Emission Mask	PASS
D	Modulation Limit	PASS
E	Aduio Frequency Response	PASS
F	Audio Low Pass Filter Response	PASS
G	Frequency Stability Test & Temperature	PASS
H	Frequency Stability Test & Voltage	PASS
I	Spurious Emission On Antenna Port	PASS

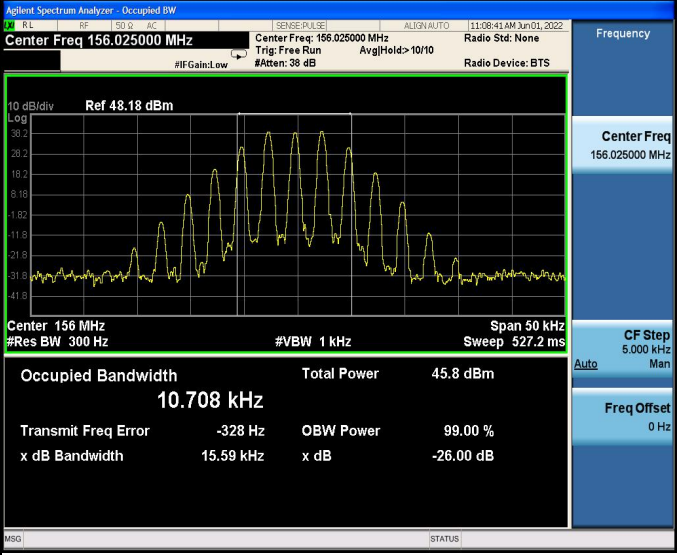
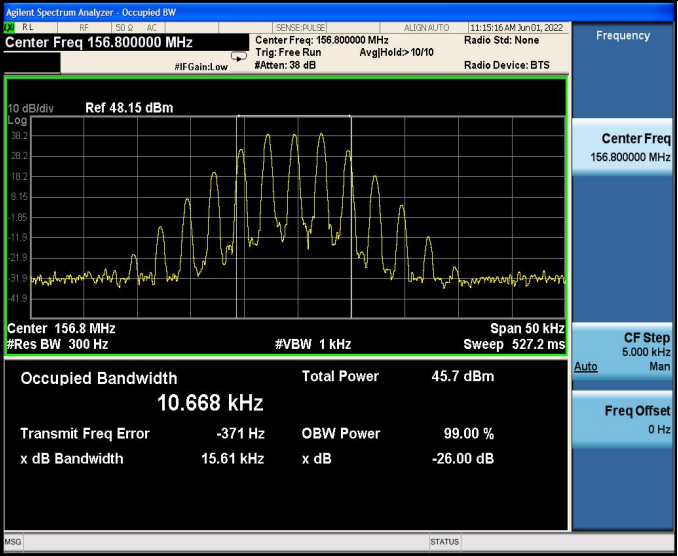
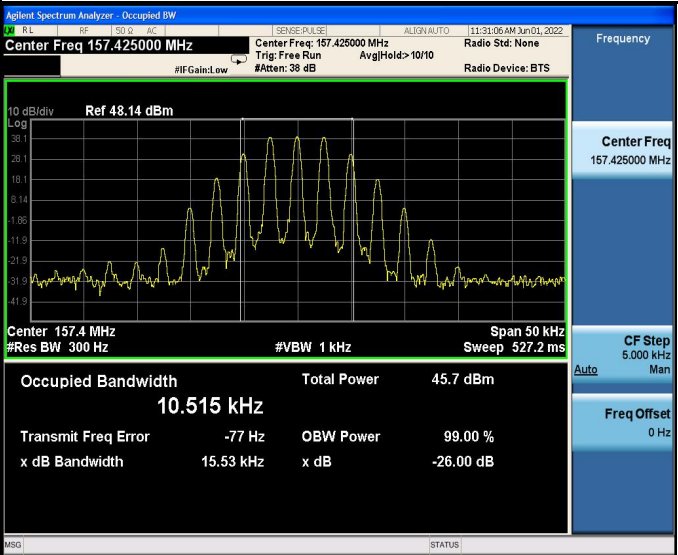
Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Limit(W)	Result
TX-AWH	FM	CH _L	43.96	24.89	25	PASS
TX-AWH	FM	CH _M	43.72	23.55	25	PASS
TX-AWH	FM	CH _H	43.87	24.37	25	PASS
TX-AWL	FM	CH _L	28.89	0.78	1	PASS
TX-AWL	FM	CH _M	28.85	0.77	1	PASS
TX-AWL	FM	CH _H	28.89	0.77	1	PASS

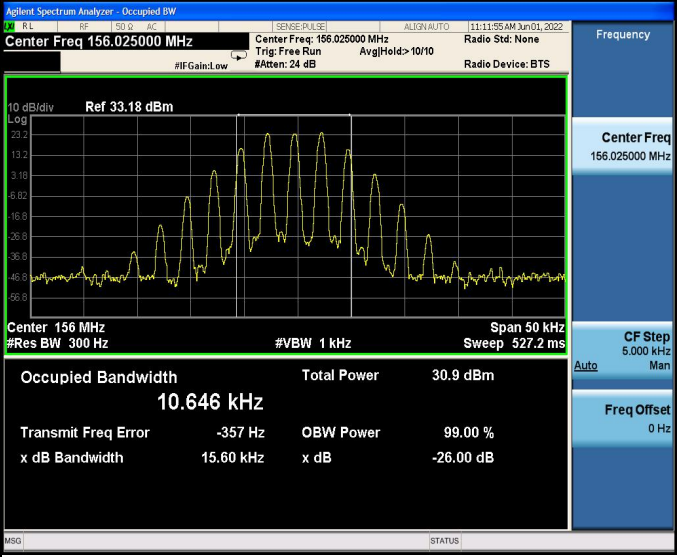
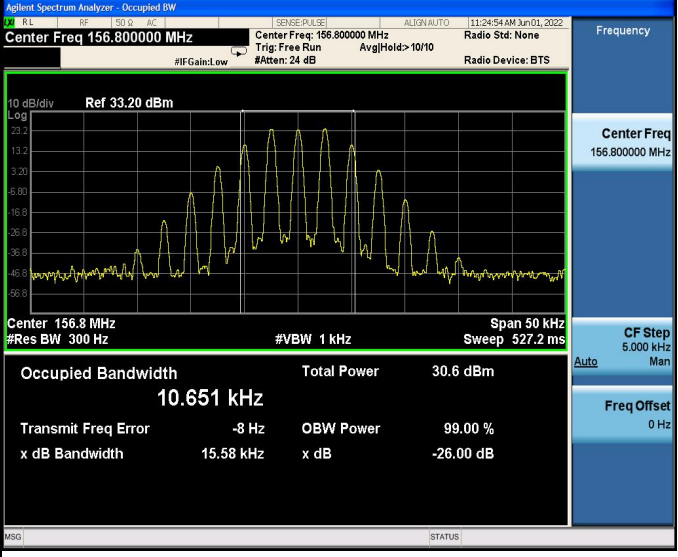
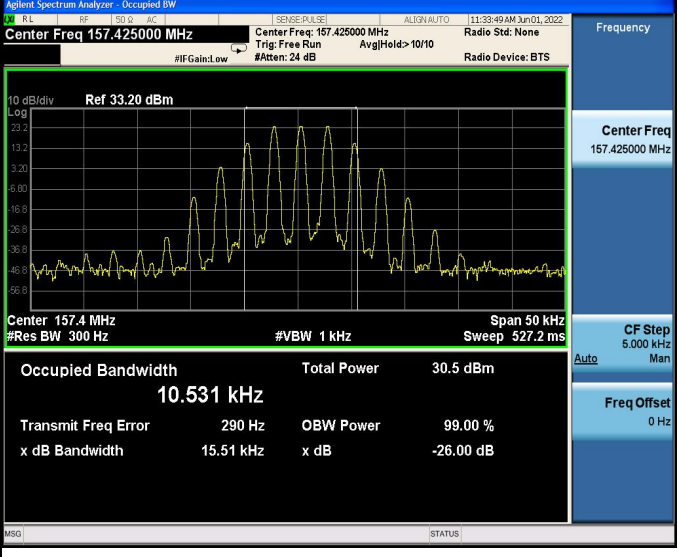
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-AWH	FM	CH _L	10.708	15.59	≤20	PASS
TX-AWH	FM	CH _M	10.668	15.61	≤20	PASS
TX-AWH	FM	CH _H	10.515	15.53	≤20	PASS
TX-AWL	FM	CH _L	10.646	15.60	≤20	PASS
TX-AWL	FM	CH _M	10.651	15.58	≤20	PASS
TX-AWL	FM	CH _H	10.531	15.51	≤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 #IF Gain: Low #Atten: 38 dB Radio Device: BTS Frequency Center Freq 156.025000 MHz CF Step 5.000 kHz Freq Offset 0 Hz Occupied Bandwidth 10.708 kHz Total Power 45.8 dBm Transmit Freq Error -328 Hz OBW Power 99.00 % x dB Bandwidth 15.59 kHz x dB -26.00 dB
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 #IF Gain: Low #Atten: 38 dB Radio Device: BTS Frequency Center Freq 156.800000 MHz CF Step 5.000 kHz Freq Offset 0 Hz Occupied Bandwidth 10.668 kHz Total Power 45.7 dBm Transmit Freq Error -371 Hz OBW Power 99.00 % x dB Bandwidth 15.61 kHz x dB -26.00 dB
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 #IF Gain: Low #Atten: 38 dB Radio Device: BTS Frequency Center Freq 157.425000 MHz CF Step 5.000 kHz Freq Offset 0 Hz Occupied Bandwidth 10.515 kHz Total Power 45.7 dBm Transmit Freq Error -77 Hz OBW Power 99.00 % x dB Bandwidth 15.53 kHz x dB -26.00 dB

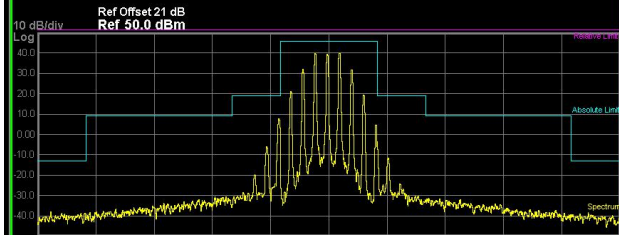
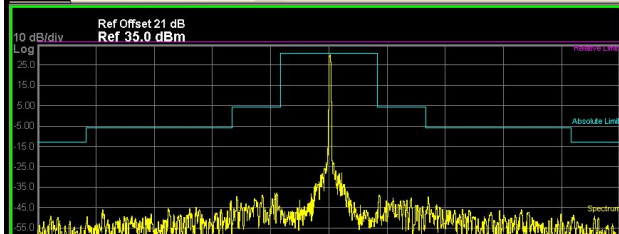
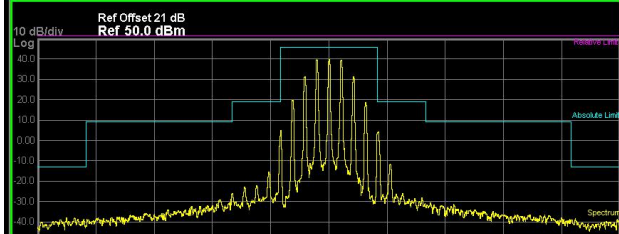
Appendix B:Occupied Bandwidth

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 #Attenu: 24 dB Radio Device: BTS Ref 33.18 dBm Center 156 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 10.646 kHz Total Power 30.9 dBm Transmit Freq Error -357 Hz OBW Power 99.00 % x dB Bandwidth 15.60 kHz x dB -26.00 dB Frequency 156.025000 MHz Center Freq 156.025000 MHz CF Step 5.000 kHz Freq Offset 0 Hz
TX-AWL	FM	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Trig: Free Run #Attenu: 24 dB Radio Device: BTS Ref 33.20 dBm Center 156.8 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 10.651 kHz Total Power 30.6 dBm Transmit Freq Error -8 Hz OBW Power 99.00 % x dB Bandwidth 15.58 kHz x dB -26.00 dB Frequency 156.800000 MHz Center Freq 156.800000 MHz CF Step 5.000 kHz Freq Offset 0 Hz
TX-AWL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run #Attenu: 24 dB Radio Device: BTS Ref 33.20 dBm Center 157.4 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 10.531 kHz Total Power 30.5 dBm Transmit Freq Error 290 Hz OBW Power 99.00 % x dB Bandwidth 15.51 kHz x dB -26.00 dB Frequency 157.425000 MHz Center Freq 157.425000 MHz CF Step 5.000 kHz Freq Offset 0 Hz

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-AWH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:09:30 AM Jun 01, 2022 Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 50.0 dBm Log 10 dB/div 40.0 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Residual Lim Absolute Lim Spectrum Center 156 MHz Span 120 kHz Total Power Ref 44.70 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>44.93</td><td>(-0.76)</td><td>-299.4</td><td>23.72</td><td>(-21.96)</td><td>0.0</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-23.85</td><td>(-43.03)</td><td>-12.58 k</td><td>-24.58</td><td>(-43.76)</td><td>12.28 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-29.15</td><td>(-38.34)</td><td>-26.67 k</td><td>-27.10</td><td>(-36.28)</td><td>27.27 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-34.09</td><td>(-21.09)</td><td>-53.29 k</td><td>-34.40</td><td>(-21.40)</td><td>52.39 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> MSG File <MASK B.state> recalled STATUS Frequency Center Freq 156.025000 MHz CF Step 12.000 kHz Man 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	44.93	(-0.76)	-299.4	23.72	(-21.96)	0.0	10.00 kHz	20.00 kHz	300.0 Hz	-23.85	(-43.03)	-12.58 k	-24.58	(-43.76)	12.28 k	20.00 kHz	50.00 kHz	300.0 Hz	-29.15	(-38.34)	-26.67 k	-27.10	(-36.28)	27.27 k	50.00 kHz	60.00 kHz	300.0 Hz	-34.09	(-21.09)	-53.29 k	-34.40	(-21.40)	52.39 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 _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:10:19 AM Jun 01, 2022 Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 50.0 dBm Log 10 dB/div 40.0 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Residual Lim Absolute Lim Spectrum Center 156 MHz Span 120 kHz Total Power Ref 44.61 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>39.71</td><td>(-5.97)</td><td>-2.874 k</td><td>40.00</td><td>(-5.68)</td><td>2.275 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>8.242</td><td>(-10.94)</td><td>-10.30 k</td><td>-3.583</td><td>(-22.74)</td><td>10.00 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-29.06</td><td>(-38.24)</td><td>-20.97 k</td><td>-30.60</td><td>(-39.78)</td><td>21.81 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-36.54</td><td>(-23.54)</td><td>-50.05 k</td><td>-37.78</td><td>(-24.78)</td><td>51.61 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> MSG File <Temp.png> saved STATUS Frequency Center Freq 156.025000 MHz CF Step 12.000 kHz Man 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	39.71	(-5.97)	-2.874 k	40.00	(-5.68)	2.275 k	10.00 kHz	20.00 kHz	300.0 Hz	8.242	(-10.94)	-10.30 k	-3.583	(-22.74)	10.00 k	20.00 kHz	50.00 kHz	300.0 Hz	-29.06	(-38.24)	-20.97 k	-30.60	(-39.78)	21.81 k	50.00 kHz	60.00 kHz	300.0 Hz	-36.54	(-23.54)	-50.05 k	-37.78	(-24.78)	51.61 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 _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:19:04 AM Jun 01, 2022 Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 50.0 dBm Log 10 dB/div 40.0 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Residual Lim Absolute Lim Spectrum Center 156.8 MHz Span 120 kHz Total Power Ref 44.30 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>45.23</td><td>(-0.42)</td><td>-239.5</td><td>23.73</td><td>(-21.92)</td><td>59.88</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-24.96</td><td>(-44.11)</td><td>-12.52 k</td><td>-22.61</td><td>(-41.76)</td><td>11.14 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-28.11</td><td>(-37.26)</td><td>-23.01 k</td><td>-27.74</td><td>(-36.89)</td><td>24.09 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-34.00</td><td>(-21.00)</td><td>-58.74 k</td><td>-36.41</td><td>(-23.41)</td><td>54.96 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> MSG File <MASK B.state> recalled STATUS Frequency Center Freq 156.800000 MHz CF Step 12.000 kHz Man 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	45.23	(-0.42)	-239.5	23.73	(-21.92)	59.88	10.00 kHz	20.00 kHz	300.0 Hz	-24.96	(-44.11)	-12.52 k	-22.61	(-41.76)	11.14 k	20.00 kHz	50.00 kHz	300.0 Hz	-28.11	(-37.26)	-23.01 k	-27.74	(-36.89)	24.09 k	50.00 kHz	60.00 kHz	300.0 Hz	-34.00	(-21.00)	-58.74 k	-36.41	(-23.41)	54.96 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 RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:34:46 AM Jun 01, 2022 Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS 10 dB/div Log Ref Offset 21 dB Ref 35.0 dBm  Center 157.4 MHz Span 120 kHz Total Power Ref 29.43 dBm @ 0.125 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>17.69</td><td>(-13.00)</td><td>0.0</td><td>29.90</td><td>(-9.79)</td><td>299.4</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-37.84</td><td>(-42.03)</td><td>-11.14 k</td><td>-38.81</td><td>(-43.00)</td><td>10.36 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-41.76</td><td>(-35.96)</td><td>-20.19 k</td><td>-39.77</td><td>(-33.97)</td><td>20.55 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-49.23</td><td>(-36.23)</td><td>-57.30 k</td><td>-48.64</td><td>(-35.64)</td><td>50.41 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> MSG 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	17.69	(-13.00)	0.0	29.90	(-9.79)	299.4	10.00 kHz	20.00 kHz	300.0 Hz	-37.84	(-42.03)	-11.14 k	-38.81	(-43.00)	10.36 k	20.00 kHz	50.00 kHz	300.0 Hz	-41.76	(-35.96)	-20.19 k	-39.77	(-33.97)	20.55 k	50.00 kHz	60.00 kHz	300.0 Hz	-49.23	(-36.23)	-57.30 k	-48.64	(-35.64)	50.41 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 RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:32:41 AM Jun 01, 2022 Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS 10 dB/div Log Ref Offset 21 dB Ref 50.0 dBm  Center 157.4 MHz Span 120 kHz Total Power Ref 44.29 dBm @ 0.125 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>39.84</td><td>(-5.84)</td><td>0.0</td><td>39.84</td><td>(-5.84)</td><td>0.0</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>3.722</td><td>(-15.45)</td><td>-10.00 k</td><td>4.193</td><td>(-14.98)</td><td>10.12 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-26.64</td><td>(-35.81)</td><td>-20.00 k</td><td>-30.78</td><td>(-39.96)</td><td>20.97 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-37.97</td><td>(-24.97)</td><td>-54.06 k</td><td>-38.43</td><td>(-25.43)</td><td>50.77 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> MSG 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	39.84	(-5.84)	0.0	39.84	(-5.84)	0.0	10.00 kHz	20.00 kHz	300.0 Hz	3.722	(-15.45)	-10.00 k	4.193	(-14.98)	10.12 k	20.00 kHz	50.00 kHz	300.0 Hz	-26.64	(-35.81)	-20.00 k	-30.78	(-39.96)	20.97 k	50.00 kHz	60.00 kHz	300.0 Hz	-37.97	(-24.97)	-54.06 k	-38.43	(-25.43)	50.77 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 RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:12:46 AM Jun 01, 2022 Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 Spectrum Center 156 MHz Span 120 kHz Total Power Ref 29.29 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>30.16</td><td>(-0.51)</td><td>-359.3</td><td>-2.240</td><td>(-32.91)</td><td>0.0</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-37.79</td><td>(-41.96)</td><td>-10.54 k</td><td>-39.24</td><td>(-43.41)</td><td>12.70 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-44.02</td><td>(-38.19)</td><td>-21.27 k</td><td>-44.34</td><td>(-38.51)</td><td>21.09 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-49.52</td><td>(-36.52)</td><td>-54.90 k</td><td>-51.26</td><td>(-38.26)</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></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> MSG File <MASK B.state> recalledSTATUS Frequency Center Freq 156.025000 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	30.16	(-0.51)	-359.3	-2.240	(-32.91)	0.0	10.00 kHz	20.00 kHz	300.0 Hz	-37.79	(-41.96)	-10.54 k	-39.24	(-43.41)	12.70 k	20.00 kHz	50.00 kHz	300.0 Hz	-44.02	(-38.19)	-21.27 k	-44.34	(-38.51)	21.09 k	50.00 kHz	60.00 kHz	300.0 Hz	-49.52	(-36.52)	-54.90 k	-51.26	(-38.26)	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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TX-AWL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:13:35 AM Jun 01, 2022 Center Freq 156.025000 MHz Center Freq: 156.025000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 Spectrum Center 156 MHz Span 120 kHz Total Power Ref 29.43 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>24.73</td><td>(-5.94)</td><td>-2.754 k</td><td>24.81</td><td>(-5.86)</td><td>2.156 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-6.990</td><td>(-11.16)</td><td>-10.30 k</td><td>-19.59</td><td>(-23.76)</td><td>10.00 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-45.55</td><td>(-39.72)</td><td>-21.27 k</td><td>-45.83</td><td>(-40.00)</td><td>20.37 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-52.65</td><td>(-39.65)</td><td>-51.73 k</td><td>-53.50</td><td>(-40.50)</td><td>50.00 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> MSG File <Temp.png> savedSTATUS Frequency Center Freq 156.025000 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	24.73	(-5.94)	-2.754 k	24.81	(-5.86)	2.156 k	10.00 kHz	20.00 kHz	300.0 Hz	-6.990	(-11.16)	-10.30 k	-19.59	(-23.76)	10.00 k	20.00 kHz	50.00 kHz	300.0 Hz	-45.55	(-39.72)	-21.27 k	-45.83	(-40.00)	20.37 k	50.00 kHz	60.00 kHz	300.0 Hz	-52.65	(-39.65)	-51.73 k	-53.50	(-40.50)	50.00 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 _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE:PULSE ALIGN:AUTO 11:25:26 AM Jun 01, 2022 Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 5.00 15.0 25.0 35.0 45.0 55.0 Spectrum Center 156.8 MHz Span 120 kHz Total Power Ref 29.65 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>29.75</td><td>(-0.97)</td><td>-59.88</td><td>30.13</td><td>(-0.58)</td><td>119.8</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-40.33</td><td>(-44.55)</td><td>-16.18 k</td><td>-36.81</td><td>(-41.02)</td><td>10.06 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-42.47</td><td>(-36.68)</td><td>-21.09 k</td><td>-43.47</td><td>(-37.68)</td><td>29.36 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-47.03</td><td>(-34.03)</td><td>-51.19 k</td><td>-48.66</td><td>(-35.66)</td><td>54.96 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> MSG File <MASK B.state> recalledSTATUS 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	29.75	(-0.97)	-59.88	30.13	(-0.58)	119.8	10.00 kHz	20.00 kHz	300.0 Hz	-40.33	(-44.55)	-16.18 k	-36.81	(-41.02)	10.06 k	20.00 kHz	50.00 kHz	300.0 Hz	-42.47	(-36.68)	-21.09 k	-43.47	(-37.68)	29.36 k	50.00 kHz	60.00 kHz	300.0 Hz	-47.03	(-34.03)	-51.19 k	-48.66	(-35.66)	54.96 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 _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 156.800000 MHz Center Freq: 156.800000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 21 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 0.00 -15.0 -25.0 -35.0 -45.0 -55.0 Center 156.8 MHz Span 120 kHz Total Power Ref 29.51 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>24.64</td><td>(-6.07)</td><td>-2.575 k</td><td>24.90</td><td>(-5.82)</td><td>2.455 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-7.038</td><td>(-11.25)</td><td>-10.00 k</td><td>-10.15</td><td>(-14.37)</td><td>10.00 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-45.89</td><td>(-40.10)</td><td>-21.21 k</td><td>-45.50</td><td>(-39.72)</td><td>20.25 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-53.45</td><td>(-40.45)</td><td>-50.00 k</td><td>-53.19</td><td>(-40.19)</td><td>50.35 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> MSO File <Temp.png> saved STATUS Frequency Center Freq 156.800000 MHz CF Step 12.000 kHz Man 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	24.64	(-6.07)	-2.575 k	24.90	(-5.82)	2.455 k	10.00 kHz	20.00 kHz	300.0 Hz	-7.038	(-11.25)	-10.00 k	-10.15	(-14.37)	10.00 k	20.00 kHz	50.00 kHz	300.0 Hz	-45.89	(-40.10)	-21.21 k	-45.50	(-39.72)	20.25 k	50.00 kHz	60.00 kHz	300.0 Hz	-53.45	(-40.45)	-50.00 k	-53.19	(-40.19)	50.35 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 Center Freq 157.425000 MHz Center Freq: 157.425000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 21 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 0.00 -15.0 -25.0 -35.0 -45.0 -55.0 Center 157.4 MHz Span 120 kHz Total Power Ref 29.43 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>17.69</td><td>(-13.00)</td><td>0.0</td><td>29.90</td><td>(-0.79)</td><td>299.4</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-37.84</td><td>(-42.03)</td><td>-11.14 k</td><td>-38.81</td><td>(-43.00)</td><td>10.36 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-41.76</td><td>(-35.96)</td><td>-20.19 k</td><td>-39.77</td><td>(-33.97)</td><td>20.55 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-49.23</td><td>(-36.23)</td><td>-57.30 k</td><td>-48.64</td><td>(-35.64)</td><td>50.41 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> MSO File <MASK B.state> recalled STATUS Frequency Center Freq 157.425000 MHz CF Step 12.000 kHz Man 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	17.69	(-13.00)	0.0	29.90	(-0.79)	299.4	10.00 kHz	20.00 kHz	300.0 Hz	-37.84	(-42.03)	-11.14 k	-38.81	(-43.00)	10.36 k	20.00 kHz	50.00 kHz	300.0 Hz	-41.76	(-35.96)	-20.19 k	-39.77	(-33.97)	20.55 k	50.00 kHz	60.00 kHz	300.0 Hz	-49.23	(-36.23)	-57.30 k	-48.64	(-35.64)	50.41 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	0.174	0.368	0.511	0.710	5	PASS
TX-AWH	FM	CH _M	-15	0.252	0.581	0.862	1.213	5	PASS
TX-AWH	FM	CH _M	-10	0.378	0.974	1.495	2.121	5	PASS
TX-AWH	FM	CH _M	-5	0.598	1.692	2.603	3.517	5	PASS
TX-AWH	FM	CH _M	0	1.034	3.045	4.176	3.770	5	PASS
TX-AWH	FM	CH _M	5	1.771	4.375	4.318	3.826	5	PASS
TX-AWH	FM	CH _M	10	3.079	4.432	4.351	3.845	5	PASS
TX-AWH	FM	CH _M	15	4.432	4.440	4.352	3.878	5	PASS
TX-AWH	FM	CH _M	20	4.659	4.456	4.365	3.889	5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

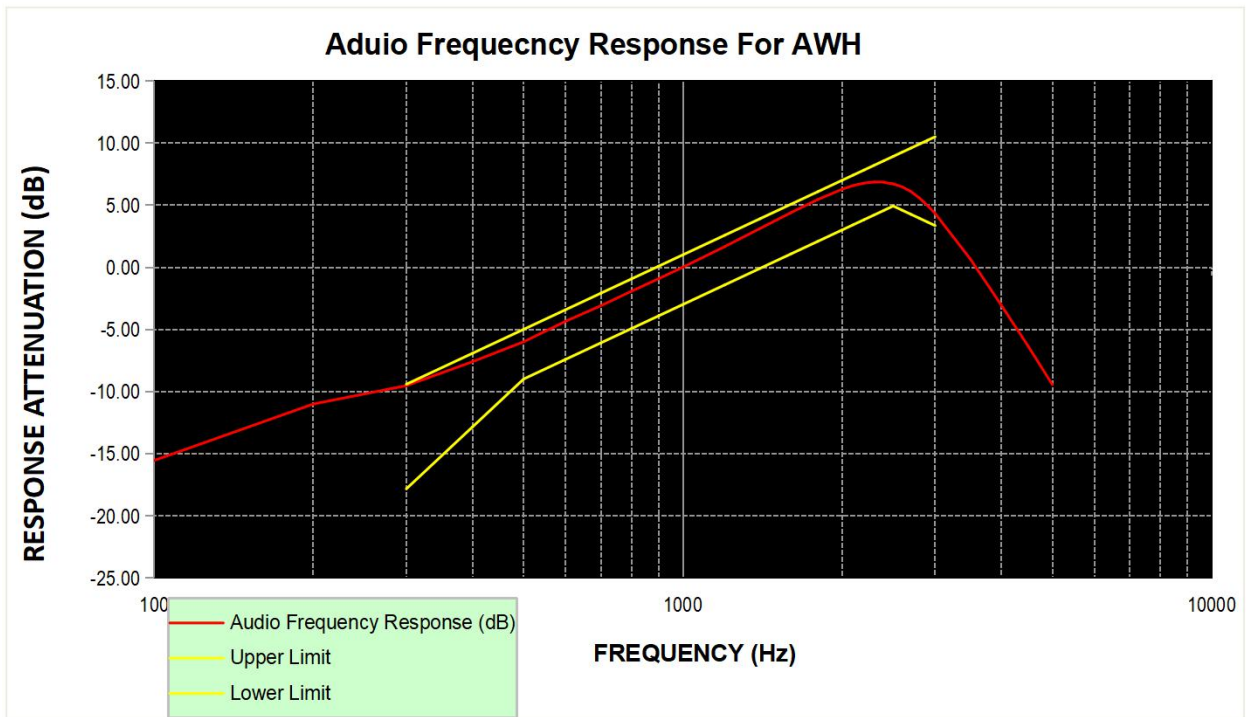


Appendix E:Aduio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-AWH	FM	CH _M	100	-15.56			PASS
TX-AWH	FM	CH _M	200	-11.02			PASS
TX-AWH	FM	CH _M	300	-9.53	-17.84	-9.42	PASS
TX-AWH	FM	CH _M	400	-7.61	-12.86	-6.93	PASS
TX-AWH	FM	CH _M	500	-6.00	-9.00	-5.00	PASS
TX-AWH	FM	CH _M	600	-4.35	-7.42	-3.42	PASS
TX-AWH	FM	CH _M	700	-3.10	-6.09	-2.09	PASS
TX-AWH	FM	CH _M	800	-1.92	-4.93	-0.93	PASS
TX-AWH	FM	CH _M	900	-0.92	-3.91	0.09	PASS
TX-AWH	FM	CH _M	1000	0.00	-3.00	1.00	PASS
TX-AWH	FM	CH _M	1200	1.66	-1.42	2.58	PASS
TX-AWH	FM	CH _M	1400	3.13	-0.09	3.91	PASS
TX-AWH	FM	CH _M	1600	4.39	1.07	5.07	PASS
TX-AWH	FM	CH _M	1800	5.46	2.09	6.09	PASS
TX-AWH	FM	CH _M	2000	6.28	3.00	7.00	PASS
TX-AWH	FM	CH _M	2100	6.58	3.42	7.42	PASS
TX-AWH	FM	CH _M	2200	6.77	3.83	7.83	PASS
TX-AWH	FM	CH _M	2300	6.87	4.21	8.21	PASS
TX-AWH	FM	CH _M	2400	6.83	4.58	8.58	PASS
TX-AWH	FM	CH _M	2500	6.71	4.93	8.93	PASS
TX-AWH	FM	CH _M	2600	6.47	4.59	9.27	PASS
TX-AWH	FM	CH _M	2700	6.10	4.27	9.60	PASS
TX-AWH	FM	CH _M	2800	5.59	3.95	9.91	PASS
TX-AWH	FM	CH _M	2900	4.99	3.65	10.22	PASS
TX-AWH	FM	CH _M	3000	4.33	3.35	10.51	PASS
TX-AWH	FM	CH _M	3500	0.64			PASS
TX-AWH	FM	CH _M	4000	-3.04			PASS
TX-AWH	FM	CH _M	4500	-6.36			PASS
TX-AWH	FM	CH _M	5000	-9.46			PASS

Appendix E:Aduio Frequency Response

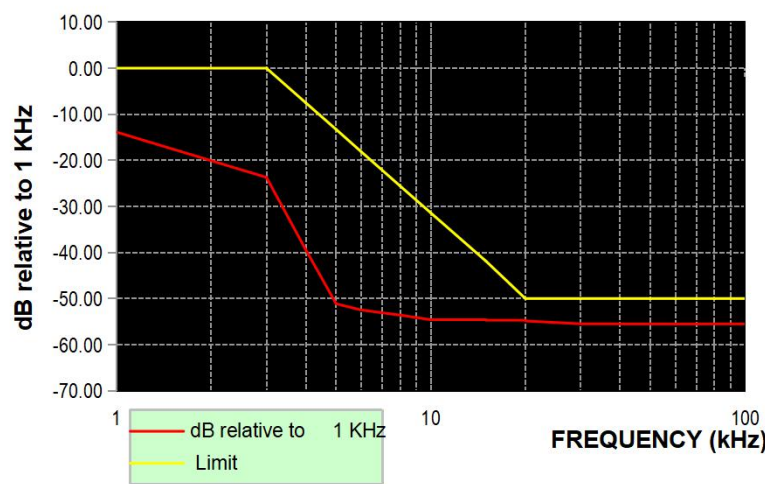
TEST PLOT RESULT



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	-13.88	0.00	PASS
TX-AWH	FM	CH _M	3	-23.70	0.00	PASS
TX-AWH	FM	CH _M	4	-39.38	-7.50	PASS
TX-AWH	FM	CH _M	5	-51.14	-13.30	PASS
TX-AWH	FM	CH _M	6	-52.48	-18.10	PASS
TX-AWH	FM	CH _M	8	-53.61	-25.60	PASS
TX-AWH	FM	CH _M	10	-54.59	-31.40	PASS
TX-AWH	FM	CH _M	15	-54.71	-41.90	PASS
TX-AWH	FM	CH _M	20	-54.87	-50.00	PASS
TX-AWH	FM	CH _M	30	-55.49	-50.00	PASS
TX-AWH	FM	CH _M	40	-55.51	-50.00	PASS
TX-AWH	FM	CH _M	50	-55.51	-50.00	PASS
TX-AWH	FM	CH _M	60	-55.52	-50.00	PASS
TX-AWH	FM	CH _M	70	-55.51	-50.00	PASS
TX-AWH	FM	CH _M	80	-55.50	-50.00	PASS
TX-AWH	FM	CH _M	90	-55.51	-50.00	PASS
TX-AWH	FM	CH _M	100	-55.52	-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 plot shows the audio low pass filter response for TX-AWH in FM mode on test channel CH_M. The y-axis represents the signal level 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 approximately -15 dB at 1 kHz, decreases to -25 dB at 2 kHz, then drops sharply to -50 dB at 4 kHz, and remains flat at -50 dB up to 100 kHz. The limit starts at 0 dB at 1 kHz, decreases to -20 dB at 2 kHz, then to -50 dB at 4 kHz, and remains flat at -50 dB up to 100 kHz. <table><caption>Approximate data points from the plot</caption><thead><tr><th>Frequency (kHz)</th><th>dB relative to 1 KHz (Measured)</th><th>dB relative to 1 KHz (Limit)</th></tr></thead><tbody><tr><td>1</td><td>-15.00</td><td>0.00</td></tr><tr><td>2</td><td>-25.00</td><td>-20.00</td></tr><tr><td>4</td><td>-50.00</td><td>-50.00</td></tr><tr><td>10</td><td>-50.00</td><td>-50.00</td></tr><tr><td>100</td><td>-50.00</td><td>-50.00</td></tr></tbody></table>	Frequency (kHz)	dB relative to 1 KHz (Measured)	dB relative to 1 KHz (Limit)	1	-15.00	0.00	2	-25.00	-20.00	4	-50.00	-50.00	10	-50.00	-50.00	100	-50.00	-50.00
Frequency (kHz)	dB relative to 1 KHz (Measured)	dB relative to 1 KHz (Limit)																			
1	-15.00	0.00																			
2	-25.00	-20.00																			
4	-50.00	-50.00																			
10	-50.00	-50.00																			
100	-50.00	-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	-20	-0.436	-0.644	-0.904	±10	PASS
TX-AWH	FM	V _N	-10	-0.413	-0.694	-0.928	±10	PASS
TX-AWH	FM	V _N	0	-0.410	-0.670	-0.934	±10	PASS
TX-AWH	FM	V _N	10	-0.434	-0.634	-0.854	±10	PASS
TX-AWH	FM	V _N	20	-0.403	-0.633	-0.851	±10	PASS
TX-AWH	FM	V _N	30	-0.407	-0.635	-0.915	±10	PASS
TX-AWH	FM	V _N	40	-0.407	-0.685	-0.889	±10	PASS
TX-AWH	FM	V _N	50	-0.404	-0.675	-0.882	±10	PASS
TX-AWL	FM	V _N	-20	-0.416	-0.632	-0.927	±10	PASS
TX-AWL	FM	V _N	-10	-0.408	-0.650	-0.932	±10	PASS
TX-AWL	FM	V _N	0	-0.437	-0.642	-0.859	±10	PASS
TX-AWL	FM	V _N	10	-0.402	-0.647	-0.891	±10	PASS
TX-AWL	FM	V _N	20	-0.398	-0.629	-0.847	±10	PASS
TX-AWL	FM	V _N	30	-0.417	-0.647	-0.893	±10	PASS
TX-AWL	FM	V _N	40	-0.428	-0.632	-0.892	±10	PASS
TX-AWL	FM	V _N	50	-0.409	-0.688	-0.861	±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	-0.403	-0.633	-0.851	±10	PASS
TX-AWH	FM	V _L	T _N	-0.408	-0.634	-0.866	±10	PASS
TX-AWH	FM	V _H	T _N	-0.420	-0.644	-0.894	±10	PASS
TX-AWL	FM	V _N	T _N	-0.398	-0.629	-0.847	±10	PASS
TX-AWL	FM	V _L	T _N	-0.399	-0.639	-0.849	±10	PASS
TX-AWL	FM	V _H	T _N	-0.414	-0.643	-0.861	±10	PASS

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																												
TX-AWH	FM	CH _L	Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log 1 2 3 Mkr3 779.81 MHz -60.302 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) <table><tr><th>MFR</th><th>MODE</th><th>TRG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>156.10 MHz</td><td>-0.681 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>468.44 MHz</td><td>-59.175 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>779.81 MHz</td><td>-60.302 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> MSG STATUS Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Man Auto Freq Offset 0 Hz	MFR	MODE	TRG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	156.10 MHz	-0.681 dBm				2	N	1	f	468.44 MHz	-59.175 dBm				3	N	1	f	779.81 MHz	-60.302 dBm				4									5									6									7									8									9									10									11								
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TX-AWH	FM	CH _L	Agilent Spectrum Analyzer - Swept SA Center Freq 1.280125000 GHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log 1 Mkr1 1.5014 GHz -53.973 dBm Start 1.0000 GHz #Res BW 100 kHz #VBW 3.0 MHz Stop 1.5603 GHz Sweep 1.000 ms (1001 pts) <table><tr><th>MFR</th><th>MODE</th><th>TRG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>1.5014 GHz</td><td>-53.973 dBm</td><td></td><td></td><td></td></tr></table> MSG File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 1.280125000 GHz Start Freq 1.000000000 GHz Stop Freq 1.560250000 GHz CF Step 56.025000 MHz Man Auto Freq Offset 0 Hz	MFR	MODE	TRG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	1.5014 GHz	-53.973 dBm																																																																																													
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TX-AWH	FM	CH _H	Agilent Spectrum Analyzer - Swept SA Center Freq 1.287125000 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.417 5 GHz -53.316 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) Frequency Auto Tune Center Freq 1.287125000 GHz Start Freq 1.000000000 GHz Stop Freq 1.574250000 GHz CF Step 57.425000 MHz Auto Freq Offset 0 Hz																																																																																																												

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