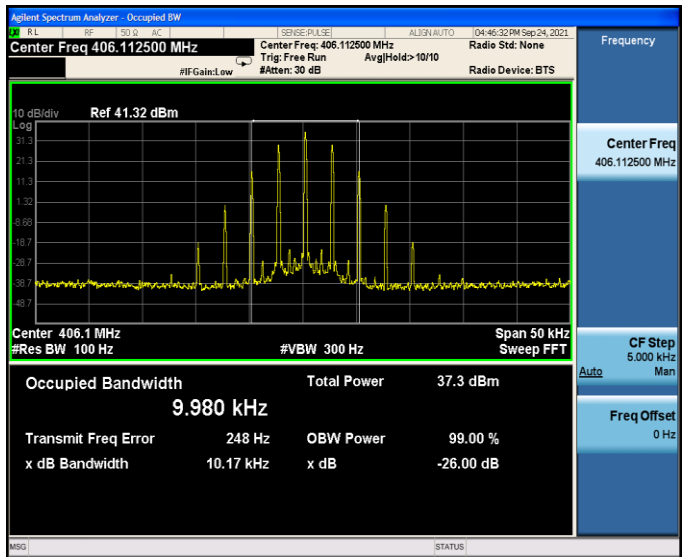
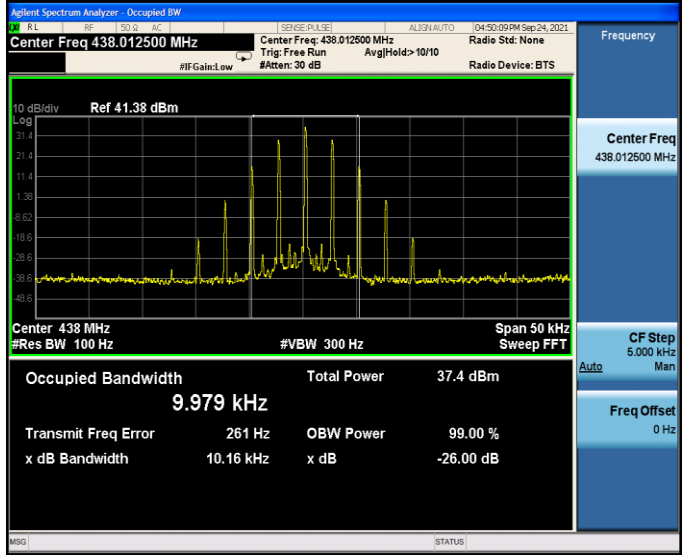
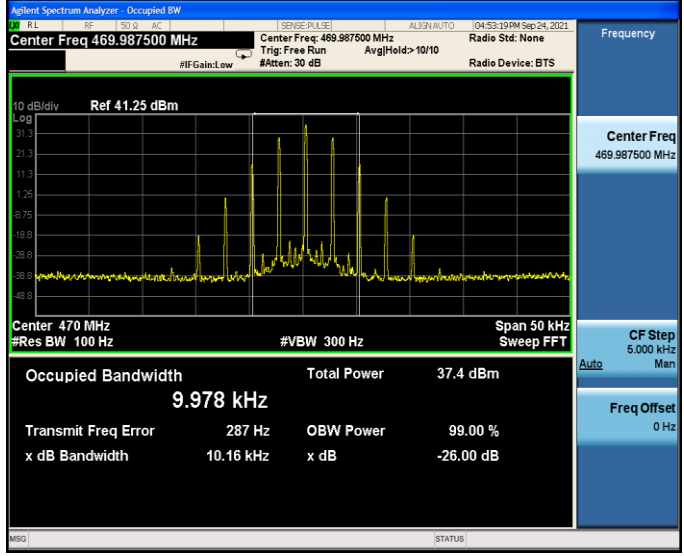


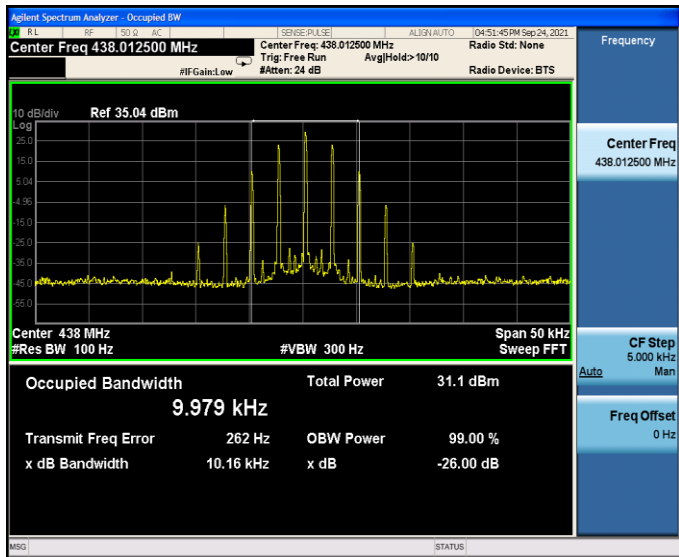
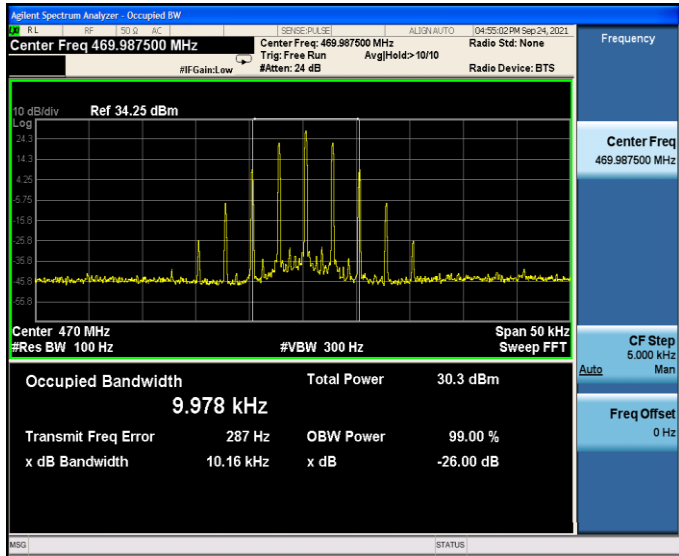
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.32 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.980 kHz Total Power 37.3 dBm Transmit Freq Error 248 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz
TX-ANH	FM	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.38 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.979 kHz Total Power 37.4 dBm Transmit Freq Error 261 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 438.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz
TX-ANH	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.25 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.978 kHz Total Power 37.4 dBm Transmit Freq Error 287 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 469.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 34.27 dBm Occupied Bandwidth 9.980 kHz Total Power 30.2 dBm Transmit Freq Error 242 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 33.99 dBm Occupied Bandwidth 9.980 kHz Total Power 29.9 dBm Transmit Freq Error 247 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 33.98 dBm Occupied Bandwidth 9.980 kHz Total Power 29.9 dBm Transmit Freq Error 247 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 35.04 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.979 kHz Total Power 31.1 dBm Transmit Freq Error 262 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 34.25 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.978 kHz Total Power 30.3 dBm Transmit Freq Error 287 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO AC SENSE: PULSE ALIGN: AUTO 02:24:00 PM Sep 26, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 18.0 8.00 38.0 48.0 Center 400 MHz Span 120 kHz Total Power Ref 37.11 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</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>-15.95</td><td>(-54.44)</td><td>-100.0</td><td>37.02</td><td>(-1.47)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.98</td><td>(-6.04)</td><td>-12.50 k</td><td>-37.98</td><td>(-5.04)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.71</td><td>(-15.71)</td><td>-14.50 k</td><td>-35.35</td><td>(-15.35)</td><td>13.80 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> MSG File <MASK D.state> recalled (STATUS) Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-15.95	(-54.44)	-100.0	37.02	(-1.47)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.98	(-6.04)	-12.50 k	-37.98	(-5.04)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.71	(-15.71)	-14.50 k	-35.35	(-15.35)	13.80 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	-15.95	(-54.44)	-100.0	37.02	(-1.47)	250.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-38.98	(-6.04)	-12.50 k	-37.98	(-5.04)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-35.71	(-15.71)	-14.50 k	-35.35	(-15.35)	13.80 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO AC SENSE: PULSE ALIGN: AUTO 02:24:32 PM Sep 26, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 18.0 8.00 38.0 48.0 Center 400 MHz Span 120 kHz Total Power Ref 41.01 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</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>26.13</td><td>(-12.37)</td><td>-350.0</td><td>28.30</td><td>(-10.20)</td><td>900.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.07</td><td>(-5.22)</td><td>-12.35 k</td><td>-37.34</td><td>(-4.77)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.17</td><td>(-15.17)</td><td>-13.10 k</td><td>-34.30</td><td>(-14.30)</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> MSG File <Temp.png> saved (STATUS) Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.13	(-12.37)	-350.0	28.30	(-10.20)	900.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.07	(-5.22)	-12.35 k	-37.34	(-4.77)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.17	(-15.17)	-13.10 k	-34.30	(-14.30)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	26.13	(-12.37)	-350.0	28.30	(-10.20)	900.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-37.07	(-5.22)	-12.35 k	-37.34	(-4.77)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-35.17	(-15.17)	-13.10 k	-34.30	(-14.30)	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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO AC SENSE: PULSE ALIGN: AUTO 10:09:02 AM Sep 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 18.0 8.00 37.0 47.0 Center 406 MHz Span 120 kHz Total Power Ref 37.46 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</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>-27.19</td><td>(-66.09)</td><td>-850.0</td><td>37.50</td><td>(-1.40)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.63</td><td>(-4.91)</td><td>-12.25 k</td><td>-36.95</td><td>(-4.42)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.77</td><td>(-14.77)</td><td>-14.25 k</td><td>-31.54</td><td>(-11.54)</td><td>12.65 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> MSG File <MASK D.state> recalled (STATUS) Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-27.19	(-66.09)	-850.0	37.50	(-1.40)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.63	(-4.91)	-12.25 k	-36.95	(-4.42)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.77	(-14.77)	-14.25 k	-31.54	(-11.54)	12.65 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	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	-27.19	(-66.09)	-850.0	37.50	(-1.40)	250.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-35.63	(-4.91)	-12.25 k	-36.95	(-4.42)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-34.77	(-14.77)	-14.25 k	-31.54	(-11.54)	12.65 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
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 10:12:28 AM Sep 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 0.00 -7.00 -17.0 -27.0 -37.0 -47.0 30.00 15.00 7.50 3.75 1.88 0.94 0.47 0.23 0.12 0.06 30.00 15.00 7.50 3.75 1.88 0.94 0.47</

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:04:41 AM Sep 26, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Mask Absolute Limit Spectrum Center 438 MHz Span 120 kHz Total Power Ref 38.76 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>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>-15.22</td><td>(-54.13)</td><td>-200.0</td><td>38.19</td><td>(-0.72)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.07</td><td>(-7.54)</td><td>-11.95 k</td><td>-36.39</td><td>(-3.86)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.66</td><td>(-12.66)</td><td>-12.95 k</td><td>-32.85</td><td>(-12.85)</td><td>13.50 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> MSO 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-15.22	(-54.13)	-200.0	38.19	(-0.72)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.07	(-7.54)	-11.95 k	-36.39	(-3.86)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.66	(-12.66)	-12.95 k	-32.85	(-12.85)	13.50 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	-15.22	(-54.13)	-200.0	38.19	(-0.72)	250.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-36.07	(-7.54)	-11.95 k	-36.39	(-3.86)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-32.66	(-12.66)	-12.95 k	-32.85	(-12.85)	13.50 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:05:27 AM Sep 26, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Mask Absolute Limit Spectrum Center 438 MHz Span 120 kHz Total Power Ref 41.57 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>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>28.56</td><td>(-10.35)</td><td>-600.0</td><td>28.84</td><td>(-10.07)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.63</td><td>(-3.10)</td><td>-12.50 k</td><td>-34.37</td><td>(-4.75)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.27</td><td>(-14.27)</td><td>-15.95 k</td><td>-34.20</td><td>(-14.20)</td><td>12.60 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></tbody></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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.56	(-10.35)	-600.0	28.84	(-10.07)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.63	(-3.10)	-12.50 k	-34.37	(-4.75)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.27	(-14.27)	-15.95 k	-34.20	(-14.20)	12.60 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	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:30:41 AM Sep 26, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Mask Absolute Limit Spectrum Center 470 MHz Span 120 kHz Total Power Ref 38.27 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>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>-14.06</td><td>(-52.78)</td><td>-100.0</td><td>38.16</td><td>(-0.56)</td><td>300.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.41</td><td>(-6.79)</td><td>-12.35 k</td><td>-38.06</td><td>(-6.80)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.45</td><td>(-17.45)</td><td>-21.10 k</td><td>-35.11</td><td>(-15.11)</td><td>12.90 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></tbody></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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-14.06	(-52.78)	-100.0	38.16	(-0.56)	300.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.41	(-6.79)	-12.35 k	-38.06	(-6.80)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.45	(-17.45)	-21.10 k	-35.11	(-15.11)	12.90 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 11:11:24 AM Sep 26, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 30.0 23.0 16.0 9.0 3.0 -6.0 -13.0 -20.0 -27.0 -34.0 -41.0 Center 470 MHz Span 120 kHz Total Power Ref 41.45 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 ></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>29.11</td><td>(-9.62)</td><td>0.0</td><td>32.89</td><td>(-5.84)</td><td>900.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.79</td><td>(-3.44)</td><td>-12.45 k</td><td>-34.64</td><td>(-1.93)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.82</td><td>(-12.82)</td><td>-13.05 k</td><td>-31.84</td><td>(-11.84)</td><td>13.20 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 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.11	(-9.62)	0.0	32.89	(-5.84)	900.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.79	(-3.44)	-12.45 k	-34.64	(-1.93)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.82	(-12.82)	-13.05 k	-31.84	(-11.84)	13.20 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-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 10:06:39 AM Sep 26, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log 30.0 23.0 16.0 9.0 3.0 -6.0 -13.0 -20.0 -27.0 -34.0 -41.0 -48.0 -55.0 Center 400 MHz Span 120 kHz Total Power Ref 30.39 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 ></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>-33.34</td><td>(-65.17)</td><td>-1.700 k</td><td>30.41</td><td>(-1.42)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.65</td><td>(9.49)</td><td>-12.30 k</td><td>-42.95</td><td>(-5.88)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.67</td><td>(-21.67)</td><td>-12.55 k</td><td>-41.46</td><td>(-21.46)</td><td>13.45 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 400.012500 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-33.34	(-65.17)	-1.700 k	30.41	(-1.42)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-47.65	(9.49)	-12.30 k	-42.95	(-5.88)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.67	(-21.67)	-12.55 k	-41.46	(-21.46)	13.45 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 >	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 10:07:23 AM Sep 26, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log 30.0 23.0 16.0 9.0 3.0 -6.0 -13.0 -20.0 -27.0 -34.0 -41.0 -48.0 -55.0 Center 400 MHz Span 120 kHz Total Power Ref 34.33 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 ></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>17.78</td><td>(-14.05)</td><td>-1.600 k</td><td>24.09</td><td>(-7.73)</td><td>1.000 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.56</td><td>(-3.95)</td><td>-12.50 k</td><td>-42.34</td><td>(-4.54)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.52</td><td>(-19.52)</td><td>-13.00 k</td><td>-40.08</td><td>(-20.08)</td><td>15.90 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 400.012500 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	17.78	(-14.05)	-1.600 k	24.09	(-7.73)	1.000 k	5.625 kHz	12.50 kHz	100.0 Hz	-43.56	(-3.95)	-12.50 k	-42.34	(-4.54)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.52	(-19.52)	-13.00 k	-40.08	(-20.08)	15.90 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-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC 1 SENSE:PULSE ALIGN:AUTO 10:53:42 AM Sep 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm Log 10 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 20

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:02:25 AM Sep 26, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 32.86 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>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>20.76</td><td>(-10.77)</td><td>-100.0</td><td>20.47</td><td>(-11.06)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.27</td><td>(-6.36)</td><td>-11.95 k</td><td>-41.09</td><td>(-2.63)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.07</td><td>(-21.07)</td><td>-14.45 k</td><td>-40.96</td><td>(-20.96)</td><td>12.65 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> File <Temp.png> saved STATUS Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	20.76	(-10.77)	-100.0	20.47	(-11.06)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.27	(-6.36)	-11.95 k	-41.09	(-2.63)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.07	(-21.07)	-14.45 k	-40.96	(-20.96)	12.65 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	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:07:26 AM Sep 26, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 37.0 dBm Center 438 MHz Span 120 kHz Total Power Ref 32.27 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>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>-22.05</td><td>(-54.55)</td><td>-50.00</td><td>31.68</td><td>(-0.83)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.34</td><td>(-7.04)</td><td>-11.45 k</td><td>-42.05</td><td>(-4.80)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.86</td><td>(-21.86)</td><td>-12.95 k</td><td>-39.76</td><td>(-19.76)</td><td>15.60 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></tbody></table> File <MASK.D.state> recalled STATUS 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	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-22.05	(-54.55)	-50.00	31.68	(-0.83)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.34	(-7.04)	-11.45 k	-42.05	(-4.80)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.86	(-21.86)	-12.95 k	-39.76	(-19.76)	15.60 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	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:08:02 AM Sep 26, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 37.0 dBm Center 438 MHz Span 120 kHz Total Power Ref 34.26 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>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>21.13</td><td>(-11.37)</td><td>-200.0</td><td>22.12</td><td>(-10.39)</td><td>1.150 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.68</td><td>(-3.57)</td><td>-12.25 k</td><td>-39.91</td><td>(-0.98)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.31</td><td>(-21.31)</td><td>-15.85 k</td><td>-39.16</td><td>(-19.16)</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> File <Temp.png> saved STATUS 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	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.13	(-11.37)	-200.0	22.12	(-10.39)	1.150 k	5.625 kHz	12.50 kHz	100.0 Hz	-40.68	(-3.57)	-12.25 k	-39.91	(-0.98)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.31	(-21.31)	-15.85 k	-39.16	(-19.16)	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-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF50.0ACSENSE:PULSEALIGN: AUTO11:13:17 AM Sep 26, 2021 Center Freq 469.987500 MHzCenter Freq: 469.987500 MHzRadio Std: None PASSIF Gain: LowTrig: Free Run#Atten: 40 dBRadio Device: BTS Ref Offset 23 dB Ref 36.0 dBm 10 dB/div Log 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO AC SENSE: PULSE ALIGN: AUTO 04:40:33 PM Sep 24, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 33.0 30.0 27.0 24.0 21.0 18.0 15.0 12.0 9.0 6.0 3.0 0.0 -3.0 -6.0 -9.0 -12.0 -15.0 -18.0 -21.0 -24.0 -27.0 -30.0 -33.0 Center 400 MHz Span 120 kHz Total Power Ref 37.10 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>5.625 kHz</td><td>100.0 Hz</td><td>29.10</td><td>(-9.37)</td><td>-2.250 k</td><td>35.36</td><td>(-3.11)</td><td>250.0</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.14</td><td>(-0.62)</td><td>-12.30 k</td><td>-34.47</td><td>(-1.50)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.63</td><td>(-14.63)</td><td>-12.85 k</td><td>-33.24</td><td>(-13.24)</td><td>13.55 k</td><td>13.55 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><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><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> MSG File <Temp.png> saved STATUS Frequency Center Freq 400.012500 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	5.625 kHz	100.0 Hz	29.10	(-9.37)	-2.250 k	35.36	(-3.11)	250.0	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.14	(-0.62)	-12.30 k	-34.47	(-1.50)	12.50 k	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.63	(-14.63)	-12.85 k	-33.24	(-13.24)	13.55 k	13.55 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 _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO AC SENSE: PULSE ALIGN: AUTO 04:43:44 PM Sep 24, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 30.0 27.0 24.0 21.0 18.0 15.0 12.0 9.0 6.0 3.0 0.0 -3.0 -6.0 -9.0 -12.0 -15.0 -18.0 -21.0 -24.0 -27.0 -30.0 -33.0 Center 406 MHz Span 120 kHz Total Power Ref 37.37 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>5.625 kHz</td><td>100.0 Hz</td><td>-25.43</td><td>(-64.23)</td><td>-2.350 k</td><td>37.39</td><td>(-1.41)</td><td>250.0</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.83</td><td>(-5.01)</td><td>-12.25 k</td><td>-37.66</td><td>(-5.74)</td><td>12.40 k</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.46</td><td>(-16.46)</td><td>-15.05 k</td><td>-34.04</td><td>(-14.04)</td><td>12.55 k</td><td>12.55 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><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><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> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 405.987500 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	5.625 kHz	100.0 Hz	-25.43	(-64.23)	-2.350 k	37.39	(-1.41)	250.0	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.83	(-5.01)	-12.25 k	-37.66	(-5.74)	12.40 k	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.46	(-16.46)	-15.05 k	-34.04	(-14.04)	12.55 k	12.55 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 _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO AC SENSE: PULSE ALIGN: AUTO 04:44:06 PM Sep 24, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 30.0 27.0 24.0 21.0 18.0 15.0 12.0 9.0 6.0 3.0 0.0 -3.0 -6.0 -9.0 -12.0 -15.0 -18.0 -21.0 -24.0 -27.0 -30.0 -33.0 Center 406 MHz Span 120 kHz Total Power Ref 37.37 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>5.625 kHz</td><td>100.0 Hz</td><td>29.37</td><td>(-9.43)</td><td>-2.250 k</td><td>35.63</td><td>(-3.17)</td><td>250.0</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.35</td><td>(-1.53)</td><td>-12.25 k</td><td>-0.079</td><td>(-1.97)</td><td>7.750 k</td><td>7.750 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.90</td><td>(-13.90)</td><td>-13.60 k</td><td>-34.39</td><td>(-14.39)</td><td>13.20 k</td><td>13.20 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><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><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> MSG File <Temp.png> saved STATUS Frequency Center Freq 405.987500 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	5.625 kHz	100.0 Hz	29.37	(-9.43)	-2.250 k	35.63	(-3.17)	250.0	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.35	(-1.53)	-12.25 k	-0.079	(-1.97)	7.750 k	7.750 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.90	(-13.90)	-13.60 k	-34.39	(-14.39)	13.20 k	13.20 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 _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:47:07 PM Sep 24, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Mask Spectrum Center 406.1 MHz Span 120 kHz Total Power Ref 37.35 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>5.625 kHz</td><td>100.0 Hz</td><td>-27.28</td><td>(-66.09)</td><td>-1.950 k</td><td>37.37</td><td>(-1.43)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.10</td><td>(-4.20)</td><td>-12.40 k</td><td>-36.77</td><td>(-6.68)</td><td>12.15 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.76</td><td>(-17.76)</td><td>-15.85 k</td><td>-38.03</td><td>(-18.03)</td><td>13.60 k</td><td></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><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><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> MSO 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	-27.28	(-66.09)	-1.950 k	37.37	(-1.43)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-36.10	(-4.20)	-12.40 k	-36.77	(-6.68)	12.15 k		12.50 kHz	60.00 kHz	100.0 Hz	-37.76	(-17.76)	-15.85 k	-38.03	(-18.03)	13.60 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	—	(—)	—	—	(—)	—	
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TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:47:28 PM Sep 24, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Mask Spectrum Center 406.1 MHz Span 120 kHz Total Power Ref 37.35 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>5.625 kHz</td><td>100.0 Hz</td><td>29.35</td><td>(-9.45)</td><td>-2.250 k</td><td>35.62</td><td>(-3.19)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.37</td><td>(-1.55)</td><td>-12.25 k</td><td>0.009</td><td>(-1.89)</td><td>7.750 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.53</td><td>(-12.53)</td><td>-13.40 k</td><td>-31.84</td><td>(-11.84)</td><td>12.75 k</td><td></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><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><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> MSO 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	29.35	(-9.45)	-2.250 k	35.62	(-3.19)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-32.37	(-1.55)	-12.25 k	0.009	(-1.89)	7.750 k		12.50 kHz	60.00 kHz	100.0 Hz	-32.53	(-12.53)	-13.40 k	-31.84	(-11.84)	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	—	(—)	—	—	(—)	—	
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TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:50:46 PM Sep 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Mask Spectrum Center 438 MHz Span 120 kHz Total Power Ref 38.72 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>5.625 kHz</td><td>100.0 Hz</td><td>-25.64</td><td>(-64.49)</td><td>-3.300 k</td><td>38.14</td><td>(-0.72)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.02</td><td>(-7.26)</td><td>-12.25 k</td><td>-37.83</td><td>(-5.98)</td><td>12.40 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.32</td><td>(-12.32)</td><td>-14.30 k</td><td>-31.84</td><td>(-11.84)</td><td>14.85 k</td><td></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><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><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> MSO Alignment Completed 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	-25.64	(-64.49)	-3.300 k	38.14	(-0.72)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-38.02	(-7.26)	-12.25 k	-37.83	(-5.98)	12.40 k		12.50 kHz	60.00 kHz	100.0 Hz	-32.32	(-12.32)	-14.30 k	-31.84	(-11.84)	14.85 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 RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:51:07 PM Sep.24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Center 438 MHz Span 120 kHz Total Power Ref 38.56 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>5.625 kHz</td><td>100.0 Hz</td><td>30.12</td><td>(-8.73)</td><td>-2.250 k</td><td>36.39</td><td>(-2.47)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.57</td><td>(-2.80)</td><td>-12.25 k</td><td>-17.41</td><td>(-0.83)</td><td>10.30 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.62</td><td>(-13.62)</td><td>-13.85 k</td><td>-31.87</td><td>(-11.87)</td><td>13.15 k</td><td></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><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><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> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 438.012500 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	5.625 kHz	100.0 Hz	30.12	(-8.73)	-2.250 k	36.39	(-2.47)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-33.57	(-2.80)	-12.25 k	-17.41	(-0.83)	10.30 k		12.50 kHz	60.00 kHz	100.0 Hz	-33.62	(-13.62)	-13.85 k	-31.87	(-11.87)	13.15 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 RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:53:59 PM Sep.24, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Center 470 MHz Span 120 kHz Total Power Ref 38.31 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>5.625 kHz</td><td>100.0 Hz</td><td>-25.71</td><td>(-64.44)</td><td>-1.800 k</td><td>38.23</td><td>(-0.50)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.40</td><td>(-5.78)</td><td>-12.35 k</td><td>-40.42</td><td>(-8.43)</td><td>12.40 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.83</td><td>(-14.83)</td><td>-13.50 k</td><td>-35.18</td><td>(-15.18)</td><td>14.05 k</td><td></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><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><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> MSO File <MASK D.state> recalled (STATUS) Frequency Center Freq 469.987500 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	5.625 kHz	100.0 Hz	-25.71	(-64.44)	-1.800 k	38.23	(-0.50)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-37.40	(-5.78)	-12.35 k	-40.42	(-8.43)	12.40 k		12.50 kHz	60.00 kHz	100.0 Hz	-34.83	(-14.83)	-13.50 k	-35.18	(-15.18)	14.05 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 RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:54:19 PM Sep.24, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 7.00 17.0 27.0 37.0 47.0 Center 470 MHz Span 120 kHz Total Power Ref 38.47 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>5.625 kHz</td><td>100.0 Hz</td><td>30.20</td><td>(-8.52)</td><td>-2.250 k</td><td>36.48</td><td>(-2.24)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.63</td><td>(-1.74)</td><td>-12.25 k</td><td>0.711</td><td>(-0.74)</td><td>7.800 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.79</td><td>(-12.79)</td><td>-13.70 k</td><td>-31.13</td><td>(-11.13)</td><td>14.35 k</td><td></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><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><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> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 469.987500 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	5.625 kHz	100.0 Hz	30.20	(-8.52)	-2.250 k	36.48	(-2.24)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-32.63	(-1.74)	-12.25 k	0.711	(-0.74)	7.800 k		12.50 kHz	60.00 kHz	100.0 Hz	-32.79	(-12.79)	-13.70 k	-31.13	(-11.13)	14.35 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 _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04-12-04 PM Sep 24, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 -4.00 -14.0 -24.0 -34.0 -44.0 -54.0 Relative Line Absolute Line Spectrum Center 400 MHz Span 120 kHz Total Power Ref 30.41 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>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>-34.81</td><td>(-66.63)</td><td>-2.400 k</td><td>30.35</td><td>(-1.47)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.41</td><td>(-4.97)</td><td>-12.20 k</td><td>-41.12</td><td>(-5.14)</td><td>12.00 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.23</td><td>(-22.23)</td><td>-13.50 k</td><td>-42.90</td><td>(-22.90)</td><td>20.55 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> MISO File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-34.81	(-66.63)	-2.400 k	30.35	(-1.47)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.41	(-4.97)	-12.20 k	-41.12	(-5.14)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.23	(-22.23)	-13.50 k	-42.90	(-22.90)	20.55 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 _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04-12-04 PM Sep 24, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 -4.00 -14.0 -24.0 -34.0 -44.0 -54.0 Relative Line Absolute Line Spectrum Center 400 MHz Span 120 kHz Total Power Ref 30.42 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>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>22.34</td><td>(-9.47)</td><td>-2.250 k</td><td>28.60</td><td>(-3.21)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.69</td><td>(-1.53)</td><td>-12.30 k</td><td>-8.987</td><td>(-1.90)</td><td>7.750 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.98</td><td>(-19.98)</td><td>-14.95 k</td><td>-39.11</td><td>(-19.11)</td><td>15.50 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> MISO File <Temp.png> saved STATUS Frequency Center Freq 400.012500 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.34	(-9.47)	-2.250 k	28.60	(-3.21)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.69	(-1.53)	-12.30 k	-8.987	(-1.90)	7.750 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.98	(-19.98)	-14.95 k	-39.11	(-19.11)	15.50 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-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04-12-02 PM Sep 24, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 -4.00 -14.0 -24.0 -34.0 -44.0 -54.0 Relative Line Absolute Line Spectrum Center 406 MHz Span 120 kHz Total Power Ref 30.03 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>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>-33.92</td><td>(-65.44)</td><td>-1.700 k</td><td>30.04</td><td>(-1.47)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.72</td><td>(-6.80)</td><td>-12.50 k</td><td>-44.55</td><td>(-6.81)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.27</td><td>(-21.27)</td><td>-12.95 k</td><td>-40.61</td><td>(-20.61)</td><td>14.70 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></tbody></table> MISO File <MASK D.state> recalled STATUS Frequency Center Freq 405.987500 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-33.92	(-65.44)	-1.700 k	30.04	(-1.47)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-46.72	(-6.80)	-12.50 k	-44.55	(-6.81)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.27	(-21.27)	-12.95 k	-40.61	(-20.61)	14.70 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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:45:43 PM Sep 24, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm Center 406 MHz Span 120 kHz Total Power Ref 30.04 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>5.625 kHz</td><td>100.0 Hz</td><td>22.05</td><td>(-9.47)</td><td>-2.250 k</td><td>28.32</td><td>(-3.20)</td><td>250.0</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.55</td><td>(-2.09)</td><td>-12.30 k</td><td>-25.36</td><td>(-1.79)</td><td>10.25 k</td><td>10.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.67</td><td>(-20.67)</td><td>-17.20 k</td><td>-39.09</td><td>(-19.09)</td><td>12.80 k</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><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><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> MSO Alignment Completed STATUS Frequency Center Freq 405.987500 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	5.625 kHz	100.0 Hz	22.05	(-9.47)	-2.250 k	28.32	(-3.20)	250.0	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.55	(-2.09)	-12.30 k	-25.36	(-1.79)	10.25 k	10.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.67	(-20.67)	-17.20 k	-39.09	(-19.09)	12.80 k	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 _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:48:41 PM Sep 24, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 30.02 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>5.625 kHz</td><td>100.0 Hz</td><td>-33.65</td><td>(-65.17)</td><td>-2.200 k</td><td>30.04</td><td>(-1.48)</td><td>250.0</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.16</td><td>(-3.25)</td><td>-12.50 k</td><td>-42.55</td><td>(-5.18)</td><td>12.15 k</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.67</td><td>(-22.67)</td><td>-19.30 k</td><td>-39.18</td><td>(-19.18)</td><td>20.60 k</td><td>20.60 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><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><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> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 406.112500 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	5.625 kHz	100.0 Hz	-33.65	(-65.17)	-2.200 k	30.04	(-1.48)	250.0	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.16	(-3.25)	-12.50 k	-42.55	(-5.18)	12.15 k	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.67	(-22.67)	-19.30 k	-39.18	(-19.18)	20.60 k	20.60 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	—	(—)	—	—	(—)	—	—
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TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:49:03 PM Sep 24, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 30.02 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>5.625 kHz</td><td>100.0 Hz</td><td>22.02</td><td>(-9.50)</td><td>-2.250 k</td><td>28.29</td><td>(-3.23)</td><td>250.0</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.37</td><td>(-0.82)</td><td>-12.45 k</td><td>-41.50</td><td>(-1.58)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.73</td><td>(-18.73)</td><td>-13.45 k</td><td>-40.31</td><td>(-20.31)</td><td>12.80 k</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><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><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> MSO File <Temp.png> saved STATUS Frequency Center Freq 406.112500 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	5.625 kHz	100.0 Hz	22.02	(-9.50)	-2.250 k	28.29	(-3.23)	250.0	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.37	(-0.82)	-12.45 k	-41.50	(-1.58)	12.50 k	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.73	(-18.73)	-13.45 k	-40.31	(-20.31)	12.80 k	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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:52:18 PM Sep 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 -3.00 -13.0 -23.0 -33.0 -43.0 -53.0 Center 438 MHz Span 120 kHz Total Power Ref 32.36 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>5.625 kHz</td><td>100.0 Hz</td><td>-31.90</td><td>(-64.44)</td><td>-3.100 k</td><td>31.79</td><td>(-0.76)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.38</td><td>(-4.49)</td><td>-11.95 k</td><td>-40.57</td><td>(-1.68)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.67</td><td>(-23.67)</td><td>-20.05 k</td><td>-41.80</td><td>(-21.80)</td><td>21.40 k</td><td></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><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><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> MSO File <MASK D.state> recalled (STATUS) 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	-31.90	(-64.44)	-3.100 k	31.79	(-0.76)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-39.38	(-4.49)	-11.95 k	-40.57	(-1.68)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-43.67	(-23.67)	-20.05 k	-41.80	(-21.80)	21.40 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 _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:52:40 PM Sep 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 -3.00 -13.0 -23.0 -33.0 -43.0 -53.0 Center 438 MHz Span 120 kHz Total Power Ref 32.21 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>5.625 kHz</td><td>100.0 Hz</td><td>23.77</td><td>(-8.77)</td><td>-2.250 k</td><td>30.04</td><td>(-2.51)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.61</td><td>(0.54)</td><td>-12.25 k</td><td>-5.678</td><td>(0.96)</td><td>7.800 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.97</td><td>(-17.97)</td><td>-13.70 k</td><td>-38.56</td><td>(-18.56)</td><td>12.75 k</td><td></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><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><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> MSO (STATUS) 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	23.77	(-8.77)	-2.250 k	30.04	(-2.51)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-37.61	(0.54)	-12.25 k	-5.678	(0.96)	7.800 k		12.50 kHz	60.00 kHz	100.0 Hz	-37.97	(-17.97)	-13.70 k	-38.56	(-18.56)	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	—	(—)	—	—	(—)	—	
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 04:52:39 PM Sep 24, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 4.00 -4.00 -14.0 -24.0 -34.0 -44.0 -54.0 Center 470 MHz Span 120 kHz Total Power Ref 31.34 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>5.625 kHz</td><td>100.0 Hz</td><td>-33.74</td><td>(-65.55)</td><td>-3.200 k</td><td>31.26</td><td>(-0.55)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.52</td><td>(-8.34)</td><td>-11.75 k</td><td>-45.18</td><td>(-5.55)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.14</td><td>(-21.14)</td><td>-19.15 k</td><td>-39.12</td><td>(-19.12)</td><td>12.55 k</td><td></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><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><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> MSO File <MASK D.state> recalled (STATUS) 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	-33.74	(-65.55)	-3.200 k	31.26	(-0.55)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-42.52	(-8.34)	-11.75 k	-45.18	(-5.55)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-41.14	(-21.14)	-19.15 k	-39.12	(-19.12)	12.55 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

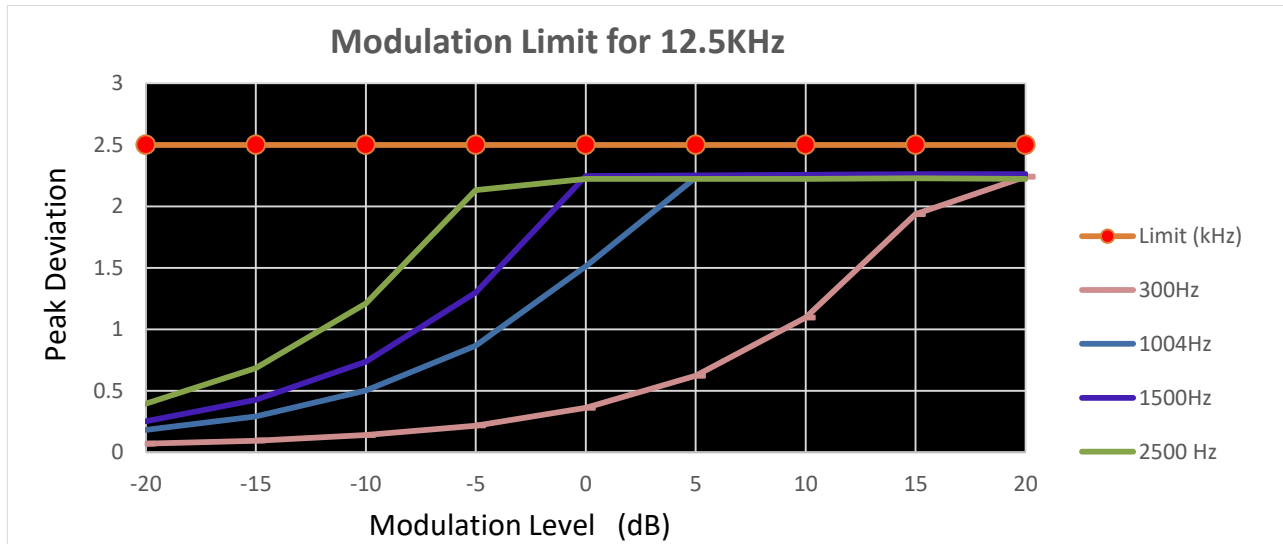
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF50ACSENSEPLAELIN3/AUTO04:56:00 PM Sep 24, 2021 Center Freq 469.987500 MHzCenter Freq: 469.987500 MHzRadio Std: None PASSIF Gain: LowTrig: Free RunAvg: 100.00% of 10#Atten: 40 dBRadio Device: BTS Ref Offset 23 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 4.00 -14.0 -24.0 -34.0 -44.0 -54.0 Center 470 MHz Span 120 kHz Total Power Ref 31.51 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 ></th><th>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>23.24</td><td>(-8.57)</td><td>-2.250 k</td><td>29.52</td><td>(-2.29)</td><td>250.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.00</td><td>(-0.56)</td><td>-12.20 k</td><td>-39.43</td><td>(-0.09)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.83</td><td>(-18.83)</td><td>-13.55 k</td><td>-39.64</td><td>(-19.64)</td><td>14.05 k</td><td></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><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><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> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz File <Temp.png> saved STATUS	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	23.24	(-8.57)	-2.250 k	29.52	(-2.29)	250.0		5.625 kHz	12.50 kHz	100.0 Hz	-38.00	(-0.56)	-12.20 k	-39.43	(-0.09)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-38.83	(-18.83)	-13.55 k	-39.64	(-19.64)	14.05 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	—	(—)	—	—	(—)	—																																																																	
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																	
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																	

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	0.07	0.183	0.253	0.396	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.095	0.293	0.427	0.684	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.14	0.503	0.738	1.21	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.217	0.868	1.299	2.132	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.362	1.513	2.246	2.222	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.622	2.234	2.252	2.223	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.096	2.243	2.257	2.223	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.936	2.242	2.261	2.227	2.5	PASS
TX-ANH	FM	CH _{M2}	20	2.241	2.245	2.262	2.222	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

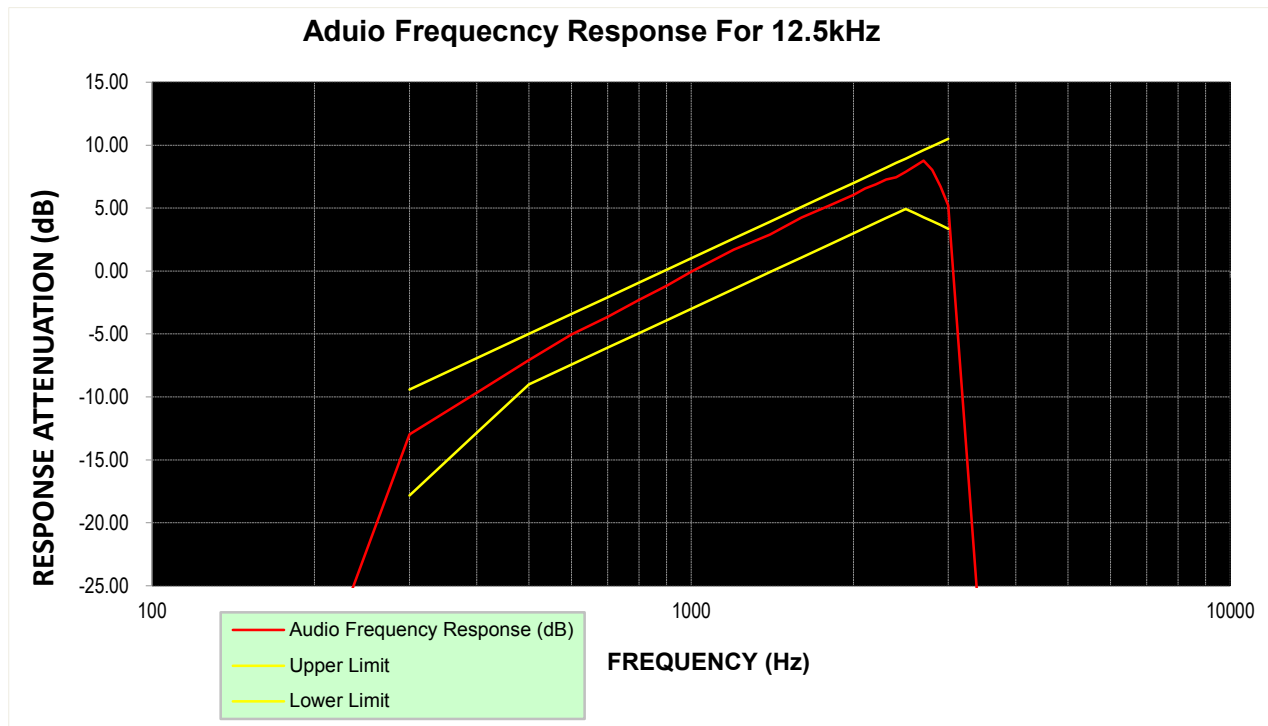


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-33.39			PASS
TX-ANH	FM	CH _{M2}	200	-33.41			PASS
TX-ANH	FM	CH _{M2}	300	-12.97	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-9.66	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-7.07	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-5.04	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.65	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.28	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.18	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.05	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.69	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.90	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.23	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.18	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	6.04	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	6.54	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	6.89	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	7.26	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	7.44	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.87	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	8.34	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	8.77	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	8.02	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	6.70	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	5.21	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-33.46			PASS
TX-ANH	FM	CH _{M2}	4000	-33.88			PASS
TX-ANH	FM	CH _{M2}	4500	-33.82			PASS
TX-ANH	FM	CH _{M2}	5000	-33.81			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



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	0.233	0.221	0.230	0.251	0.256	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.221	0.223	0.228	0.230	0.261	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.230	0.228	0.230	0.239	0.265	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.216	0.229	0.231	0.231	0.262	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.220	0.222	0.224	0.243	0.266	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.213	0.217	0.217	0.229	0.247	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.222	0.227	0.225	0.239	0.259	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.232	0.222	0.218	0.244	0.271	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.222	0.238	0.223	0.232	0.250	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.213	0.240	0.224	0.247	0.267	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.221	0.233	0.233	0.250	0.257	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.214	0.232	0.238	0.255	0.269	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.221	0.233	0.233	0.242	0.256	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.218	0.237	0.225	0.239	0.255	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.202	0.219	0.216	0.232	0.246	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.202	0.230	0.227	0.240	0.266	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.222	0.220	0.237	0.236	0.248	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.208	0.239	0.219	0.253	0.269	±5.0	PASS
TX-ANH	FM	V _N	-30	0.685	0.693	0.728	0.710	0.679	±5.0	PASS
TX-ANH	FM	V _N	-20	0.700	0.706	0.686	0.683	0.708	±5.0	PASS
TX-ANH	FM	V _N	-10	0.730	0.713	0.720	0.689	0.731	±5.0	PASS
TX-ANH	FM	V _N	0	0.721	0.738	0.718	0.681	0.684	±5.0	PASS
TX-ANH	FM	V _N	10	0.673	0.712	0.731	0.697	0.709	±5.0	PASS
TX-ANH	FM	V _N	20	0.673	0.676	0.677	0.670	0.672	±5.0	PASS
TX-ANH	FM	V _N	30	0.729	0.721	0.681	0.718	0.732	±5.0	PASS
TX-ANH	FM	V _N	40	0.701	0.731	0.686	0.704	0.714	±5.0	PASS
TX-ANH	FM	V _N	50	0.718	0.706	0.726	0.732	0.686	±5.0	PASS
TX-ANL	FM	V _N	-30	0.722	0.709	0.692	0.701	0.714	±5.0	PASS
TX-ANL	FM	V _N	-20	0.729	0.737	0.695	0.689	0.733	±5.0	PASS
TX-ANL	FM	V _N	-10	0.672	0.706	0.687	0.736	0.687	±5.0	PASS
TX-ANL	FM	V _N	0	0.700	0.710	0.680	0.720	0.679	±5.0	PASS
TX-ANL	FM	V _N	10	0.684	0.702	0.742	0.671	0.687	±5.0	PASS
TX-ANL	FM	V _N	20	0.666	0.674	0.676	0.670	0.672	±5.0	PASS
TX-ANL	FM	V _N	30	0.701	0.721	0.729	0.699	0.732	±5.0	PASS
TX-ANL	FM	V _N	40	0.730	0.684	0.688	0.732	0.686	±5.0	PASS
TX-ANL	FM	V _N	50	0.681	0.722	0.738	0.716	0.724	±5.0	PASS

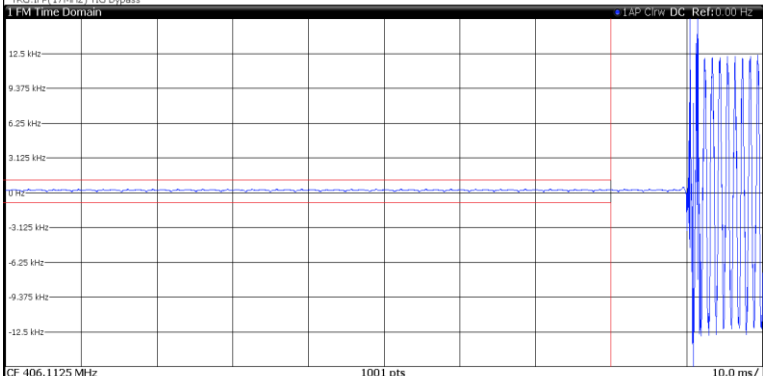
Appendix G:Frequency Stability Test & Voltage

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	0.213	0.217	0.217	0.229	0.247	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.214	0.218	0.220	0.233	0.247	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.225	0.226	0.219	0.237	0.258	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.202	0.219	0.216	0.232	0.246	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.203	0.220	0.220	0.233	0.249	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.205	0.225	0.217	0.239	0.250	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.673	0.676	0.677	0.670	0.672	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.680	0.678	0.681	0.681	0.676	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.713	0.698	0.681	0.703	0.709	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.666	0.674	0.676	0.670	0.672	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.676	0.677	0.682	0.680	0.676	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.675	0.697	0.698	0.693	0.689	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																								
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz1001 pts10.0 ms/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 37.81 dBm</td><td colspan="4">Carrier Offset 222.45 Hz</td></tr><tr><td></td><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>16.179 kHz</td><td>-12.946 kHz</td><td>14.562 kHz</td><td>2.7714 kHz</td><td>---</td><td>---</td><td>---</td></tr></table> Analog Demod. Waiting for Trigger...Measuring...28.09.2021 13:39:46 Date: 28 SEP 2021 13:39:46	Carrier Power 37.81 dBm				Carrier Offset 222.45 Hz					+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	16.179 kHz	-12.946 kHz	14.562 kHz	2.7714 kHz	---	---	---
Carrier Power 37.81 dBm				Carrier Offset 222.45 Hz																							
	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD																				
FM	16.179 kHz	-12.946 kHz	14.562 kHz	2.7714 kHz	---	---	---																				
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz1001 pts10.0 ms/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 37.76 dBm</td><td colspan="4">Carrier Offset 218.75 Hz</td></tr><tr><td></td><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>19.484 kHz</td><td>-21.495 kHz</td><td>20.489 kHz</td><td>2.7543 kHz</td><td>---</td><td>---</td><td>---</td></tr></table> Analog Demod. Waiting for Trigger...Measuring...28.09.2021 13:39:18 Date: 28 SEP 2021 13:39:18	Carrier Power 37.76 dBm				Carrier Offset 218.75 Hz					+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	19.484 kHz	-21.495 kHz	20.489 kHz	2.7543 kHz	---	---	---
Carrier Power 37.76 dBm				Carrier Offset 218.75 Hz																							
	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD																				
FM	19.484 kHz	-21.495 kHz	20.489 kHz	2.7543 kHz	---	---	---																				
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz1001 pts10.0 ms/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 37.77 dBm</td><td colspan="4">Carrier Offset 224.27 Hz</td></tr><tr><td></td><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>12.567 kHz</td><td>-12.917 kHz</td><td>12.742 kHz</td><td>2.7453 kHz</td><td>---</td><td>---</td><td>---</td></tr></table> Analog Demod. Waiting for Trigger...Measuring...28.09.2021 13:40:33 Date: 28 SEP 2021 13:40:33	Carrier Power 37.77 dBm				Carrier Offset 224.27 Hz					+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	12.567 kHz	-12.917 kHz	12.742 kHz	2.7453 kHz	---	---	---
Carrier Power 37.77 dBm				Carrier Offset 224.27 Hz																							
	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD																				
FM	12.567 kHz	-12.917 kHz	12.742 kHz	2.7453 kHz	---	---	---																				

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																								
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 45.00 dBm Offset 27.00 dB Att -28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFB(17MHz) YIG Bypass 1 FM Time Domain  CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power 37.78 dBm</td><td>Carrier Offset 218.61 Hz</td><td></td><td></td><td></td></tr><tr><td></td><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td></tr><tr><td>FM</td><td>16.173 kHz</td><td>-16.236 kHz</td><td>16.204 kHz</td><td>2.7714 kHz</td><td>SINAD</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>THD</td></tr></table> Analog Demod. Waiting for Trigger... Measuring... 28.09.2021 13:39:25		Carrier Power 37.78 dBm	Carrier Offset 218.61 Hz					+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	FM	16.173 kHz	-16.236 kHz	16.204 kHz	2.7714 kHz	SINAD						THD
	Carrier Power 37.78 dBm	Carrier Offset 218.61 Hz																									
	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.																						
FM	16.173 kHz	-16.236 kHz	16.204 kHz	2.7714 kHz	SINAD																						
					THD																						

Date: 28.SEP.2021 13:39:25