

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO03:10:14 PM J130, 2024 Center Freq 136.012500 MHzCenter Freq: 136.012500 MHzRadio Std: None PASSIF Gain: low#Atten: 40 dBRadio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Mask Spectrum Center 136 MHzSpan 120 kHz Total Power Ref 36.00 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>5.625 kHz</td><td>100.0 Hz</td><td>33.71</td><td>(-3.76)</td><td>0.0</td><td>35.93</td><td>(-1.53)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.73</td><td>(-7.76)</td><td>-12.50 k</td><td>-38.22</td><td>(-7.15)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.58</td><td>(-14.58)</td><td>-59.95 k</td><td>-35.49</td><td>(-15.49)</td><td>40.05 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> Msg: File <MASK D.state> recalledSTATUS Frequency Center Freq 136.012500 MHz CF Step 12.000 kHz AutoMan 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	33.71	(-3.76)	0.0	35.93	(-1.53)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-41.73	(-7.76)	-12.50 k	-38.22	(-7.15)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.58	(-14.58)	-59.95 k	-35.49	(-15.49)	40.05 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-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO03:10:59 PM J130, 2024 Center Freq 136.012500 MHzCenter Freq: 136.012500 MHzRadio Std: None PASSIF Gain: low#Atten: 40 dBAvg: 100.00% of 10Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Mask Spectrum Center 136 MHzSpan 120 kHz Total Power Ref 38.62 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>5.625 kHz</td><td>100.0 Hz</td><td>27.24</td><td>(-10.22)</td><td>-100.0</td><td>29.47</td><td>(-7.99)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.65</td><td>(-3.04)</td><td>-12.45 k</td><td>-38.64</td><td>(-4.67)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.94</td><td>(-15.94)</td><td>-12.75 k</td><td>-35.47</td><td>(-15.47)</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></tbody></table> Msg: File <Temp.png> savedSTATUS Frequency Center Freq 136.012500 MHz CF Step 12.000 kHz AutoMan 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	27.24	(-10.22)	-100.0	29.47	(-7.99)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.65	(-3.04)	-12.45 k	-38.64	(-4.67)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.94	(-15.94)	-12.75 k	-35.47	(-15.47)	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 _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO03:13:09 PM J130, 2024 Center Freq 155.0000000 MHzCenter Freq: 155.0000000 MHzRadio Std: None PASSIF Gain: low#Atten: 40 dBRadio Device: BTS Ref Offset 21 dB Ref 42.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Mask Spectrum Center 155 MHzSpan 120 kHz Total Power Ref 35.63 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>5.625 kHz</td><td>100.0 Hz</td><td>30.92</td><td>(-6.58)</td><td>0.0</td><td>35.41</td><td>(-2.09)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.29</td><td>(-5.08)</td><td>-12.40 k</td><td>-39.25</td><td>(-5.31)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.38</td><td>(-15.38)</td><td>-59.90 k</td><td>-37.17</td><td>(-17.17)</td><td>40.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Msg: File <MASK D.state> recalledSTATUS Frequency Center Freq 155.000000 MHz CF Step 12.000 kHz AutoMan 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	30.92	(-6.58)	0.0	35.41	(-2.09)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-38.29	(-5.08)	-12.40 k	-39.25	(-5.31)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.38	(-15.38)	-59.90 k	-37.17	(-17.17)	40.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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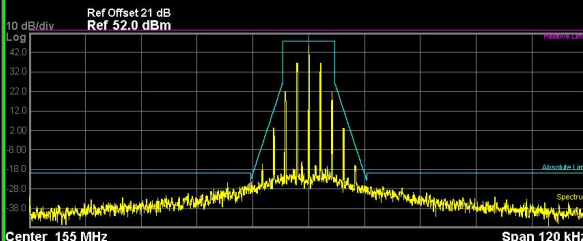
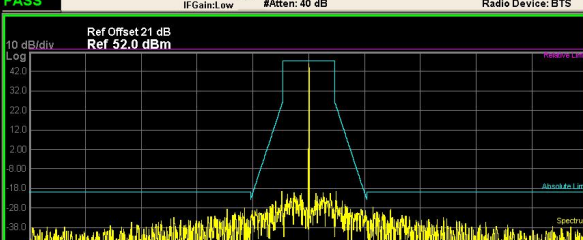
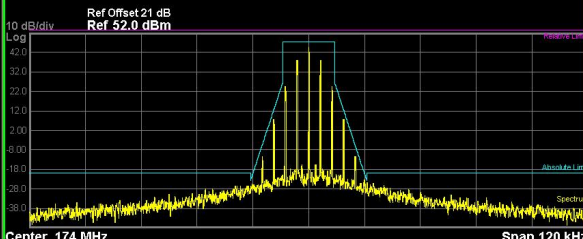
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO03:16:10 PM J130, 2024 Center Freq 173.987500 MHzCenter Freq: 173.987500 MHzRadio Std: None PASSIF Gain: LowTrig: Free RunAve: 100.00% of 10Radio Device: BTS # Atten: 40 dB Ref Offset 21 dBRef 41.0 dBm 10 dB/divLog 31.0 21.0 11.0 9.0 0.0 -9.0 -18.0 -27.0 -36.0 -45.0 Spectrum Center 174 MHzSpan 120 kHz Total Power Ref 35.38 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>5.625 kHz</td><td>100.0 Hz</td><td>27.42</td><td>(-9.87)</td><td>0.0</td><td>35.22</td><td>(-2.07)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.16</td><td>(-7.11)</td><td>-12.35 k</td><td>-40.15</td><td>(-6.00)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.43</td><td>(-16.43)</td><td>-59.90 k</td><td>-37.31</td><td>(-17.31)</td><td>40.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSOFile <MASK D.state> recalledSTATUS Frequency Center Freq 173.987500 MHz CF Step 12.000 kHz AutoMan 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	27.42	(-9.87)	0.0	35.22	(-2.07)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.16	(-7.11)	-12.35 k	-40.15	(-6.00)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.43	(-16.43)	-59.90 k	-37.31	(-17.31)	40.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO03:16:48 PM J130, 2024 Center Freq 173.987500 MHzCenter Freq: 173.987500 MHzRadio Std: None PASSIF Gain: LowTrig: Free RunAve: 100.00% of 10Radio Device: BTS # Atten: 40 dB Ref Offset 21 dBRef 41.0 dBm 10 dB/divLog 31.0 21.0 11.0 9.0 0.0 -9.0 -18.0 -27.0 -36.0 -45.0 Spectrum Center 174 MHzSpan 120 kHz Total Power Ref 38.38 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>5.625 kHz</td><td>100.0 Hz</td><td>26.42</td><td>(-10.88)</td><td>-200.0</td><td>30.30</td><td>(-7.00)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.18</td><td>(-5.39)</td><td>-12.45 k</td><td>-41.33</td><td>(-7.19)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.16</td><td>(-17.16)</td><td>-12.50 k</td><td>-37.22</td><td>(-17.22)</td><td>16.70 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> MSOFile <Temp.png> savedSTATUS Frequency Center Freq 173.987500 MHz CF Step 12.000 kHz AutoMan 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	26.42	(-10.88)	-200.0	30.30	(-7.00)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.18	(-5.39)	-12.45 k	-41.33	(-7.19)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.16	(-17.16)	-12.50 k	-37.22	(-17.22)	16.70 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-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE PULSE ALIGN AUTO 02:53:10 PM J130, 2024 Center Freq 136.012500 MHz Center Freq: 136.012500 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 8.00 18.0 28.0 38.0 Center 136 MHz Span 120 kHz Total Power Ref 46.35 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 > 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>44.77</td><td>(-2.94)</td><td>0.0</td><td>46.34</td><td>(-1.37)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.54</td><td>(-7.09)</td><td>-12.05 k</td><td>-27.56</td><td>(-6.37)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.75</td><td>(-7.75)</td><td>-12.55 k</td><td>-27.78</td><td>(-7.78)</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> MSG: File <MASK D.state> recalled STATUS Frequency Center Freq 136.012500 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	44.77	(-2.94)	0.0	46.34	(-1.37)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-27.54	(-7.09)	-12.05 k	-27.56	(-6.37)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.75	(-7.75)	-12.55 k	-27.78	(-7.78)	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	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE PULSE ALIGN AUTO 02:53:32 PM J130, 2024 Center Freq 136.012500 MHz Center Freq: 136.012500 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 8.00 18.0 28.0 38.0 Center 136 MHz Span 120 kHz Total Power Ref 46.36 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 > 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>43.38</td><td>(-4.33)</td><td>0.0</td><td>45.06</td><td>(-2.65)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.61</td><td>(-3.25)</td><td>-12.45 k</td><td>-24.34</td><td>(-1.34)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.53</td><td>(-4.53)</td><td>-12.60 k</td><td>-26.49</td><td>(-6.49)</td><td>13.40 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> MSG: File <Temp.png> saved STATUS Frequency Center Freq 136.012500 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	43.38	(-4.33)	0.0	45.06	(-2.65)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-26.61	(-3.25)	-12.45 k	-24.34	(-1.34)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.53	(-4.53)	-12.60 k	-26.49	(-6.49)	13.40 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-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE PULSE ALIGN AUTO 02:56:04 PM J130, 2024 Center Freq 155.000000 MHz Center Freq: 155.000000 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 8.00 18.0 28.0 38.0 Center 155 MHz Span 120 kHz Total Power Ref 46.44 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>5.625 kHz</td><td>100.0 Hz</td><td>41.79</td><td>(-5.82)</td><td>0.0</td><td>46.22</td><td>(-1.39)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-28.18</td><td>(-6.17)</td><td>-12.25 k</td><td>-28.25</td><td>(-5.16)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.05</td><td>(-7.05)</td><td>-16.05 k</td><td>-26.85</td><td>(-6.85)</td><td>16.20 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></tbody></table> MSG: File <MASK D.state> recalled STATUS Frequency Center Freq 155.000000 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	41.79	(-5.82)	0.0	46.22	(-1.39)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-28.18	(-6.17)	-12.25 k	-28.25	(-5.16)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.05	(-7.05)	-16.05 k	-26.85	(-6.85)	16.20 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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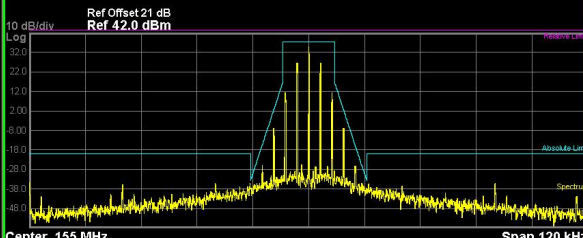
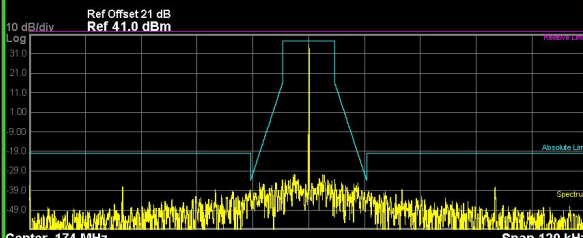
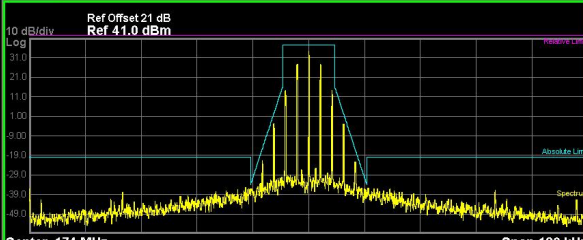
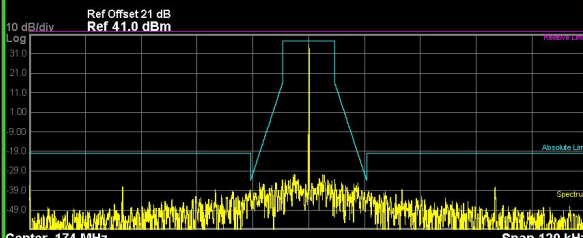
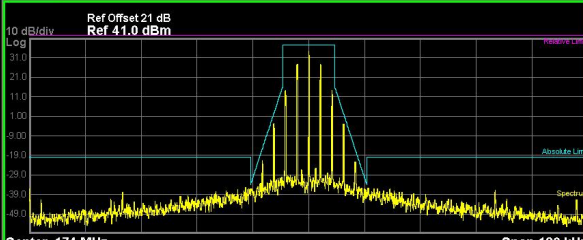
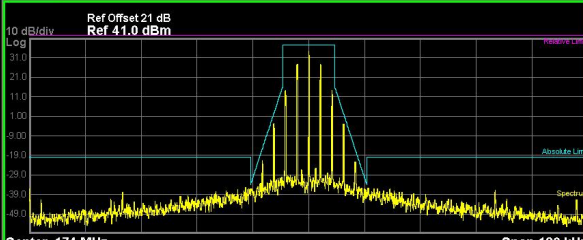
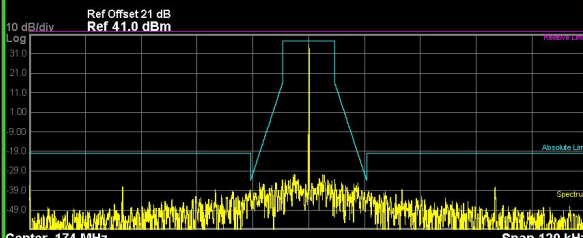
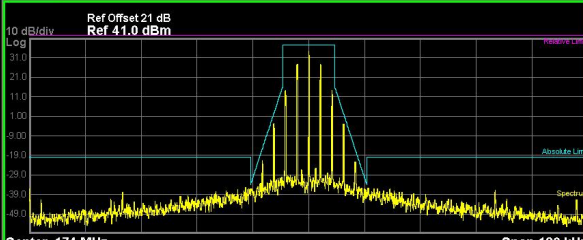
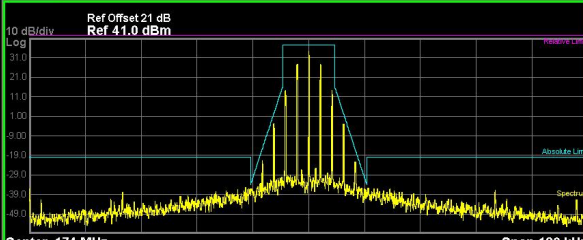
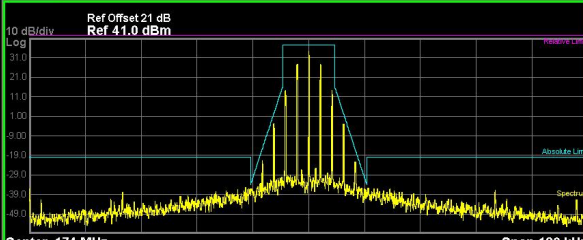
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 02:56:25 PM J130, 2024 Center Freq 155.000000 MHz Center Freq: 155.000000 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 52.0 dBm 10 dB/div Log  Center 155 MHz Span 120 kHz Total Power Ref 46.45 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>5.625 kHz</td><td>100.0 Hz</td><td>40.66</td><td>(-6.95)</td><td>0.0</td><td>45.13</td><td>(-2.48)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-24.48</td><td>(-2.47)</td><td>-12.25 k</td><td>-27.10</td><td>(-3.27)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.90</td><td>(-4.90)</td><td>-17.35 k</td><td>-26.77</td><td>(-6.77)</td><td>16.00 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 155.000000 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	40.66	(-6.95)	0.0	45.13	(-2.48)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-24.48	(-2.47)	-12.25 k	-27.10	(-3.27)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.90	(-4.90)	-17.35 k	-26.77	(-6.77)	16.00 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 173.987500 AC SENSE: PULSE ALIGN: AUTO 02:59:48 PM J130, 2024 Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Radio Std: None PASS IF Gain: low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 52.0 dBm 10 dB/div Log  Center 174 MHz Span 120 kHz Total Power Ref 46.31 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 > 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>38.77</td><td>(-8.81)</td><td>0.0</td><td>46.13</td><td>(-1.46)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-29.35</td><td>(-8.40)</td><td>-12.10 k</td><td>-29.66</td><td>(-7.26)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.77</td><td>(-7.77)</td><td>-13.70 k</td><td>-27.66</td><td>(-7.66)</td><td>13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 173.987500 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	38.77	(-8.81)	0.0	46.13	(-1.46)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-29.35	(-8.40)	-12.10 k	-29.66	(-7.26)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.77	(-7.77)	-13.70 k	-27.66	(-7.66)	13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 173.987500 AC SENSE: PULSE ALIGN: AUTO 03:00:09 PM J130, 2024 Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Radio Std: None PASS IF Gain: low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 52.0 dBm 10 dB/div Log  Center 174 MHz Span 120 kHz Total Power Ref 46.32 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>5.625 kHz</td><td>100.0 Hz</td><td>37.80</td><td>(-9.78)</td><td>-2.400 k</td><td>44.54</td><td>(-3.05)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.86</td><td>(-3.37)</td><td>-12.45 k</td><td>-23.40</td><td>(-2.45)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.35</td><td>(-6.35)</td><td>-12.90 k</td><td>-24.85</td><td>(-4.85)</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 173.987500 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	37.80	(-9.78)	-2.400 k	44.54	(-3.05)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.86	(-3.37)	-12.45 k	-23.40	(-2.45)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.35	(-6.35)	-12.90 k	-24.85	(-4.85)	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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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

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 150.0 AC SENSE: PULSE ALIGN: AUTO 02:54:27 PM J130, 2024 Center Freq 136.012500 MHz Center Freq: 136.012500 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Center 136 MHz Span 120 kHz Total Power Ref 36.18 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>5.625 kHz</td><td>100.0 Hz</td><td>33.76</td><td>(-3.73)</td><td>0.0</td><td>36.10</td><td>(-1.40)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.15</td><td>(-9.30)</td><td>-12.35 k</td><td>-42.37</td><td>(-8.43)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.00</td><td>(-14.00)</td><td>-59.95 k</td><td>-34.55</td><td>(-14.55)</td><td>40.05 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> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 136.012500 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	5.625 kHz	100.0 Hz	33.76	(-3.73)	0.0	36.10	(-1.40)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.15	(-9.30)	-12.35 k	-42.37	(-8.43)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.00	(-14.00)	-59.95 k	-34.55	(-14.55)	40.05 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-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 02:54:49 PM J130, 2024 Center Freq 136.012500 MHz Center Freq: 136.012500 MHz Radio Std: None PASS IF Gain: low Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 29.0 39.0 49.0 Center 136 MHz Span 120 kHz Total Power Ref 36.19 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>5.625 kHz</td><td>100.0 Hz</td><td>32.45</td><td>(-5.05)</td><td>0.0</td><td>34.81</td><td>(-2.69)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.50</td><td>(-3.10)</td><td>-12.15 k</td><td>-36.41</td><td>(-3.55)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.08</td><td>(-14.08)</td><td>-59.95 k</td><td>-35.24</td><td>(-15.24)</td><td>40.05 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> MSG File <Temp.png> saved STATUS Frequency Center Freq 136.012500 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	5.625 kHz	100.0 Hz	32.45	(-5.05)	0.0	34.81	(-2.69)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-34.50	(-3.10)	-12.15 k	-36.41	(-3.55)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.08	(-14.08)	-59.95 k	-35.24	(-15.24)	40.05 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-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 02:58:41 PM J130, 2024 Center Freq 155.000000 MHz Center Freq: 155.000000 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 16.0 26.0 36.0 46.0 Center 155 MHz Span 120 kHz Total Power Ref 36.75 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>5.625 kHz</td><td>100.0 Hz</td><td>31.14</td><td>(-6.45)</td><td>0.0</td><td>36.19</td><td>(-1.40)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.29</td><td>(-9.35)</td><td>-12.10 k</td><td>-39.90</td><td>(-7.87)</td><td>12.25 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>-19.90 k</td><td>-35.15</td><td>(-15.15)</td><td>40.05 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> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 155.000000 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	5.625 kHz	100.0 Hz	31.14	(-6.45)	0.0	36.19	(-1.40)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.29	(-9.35)	-12.10 k	-39.90	(-7.87)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.17	(-15.17)	-19.90 k	-35.15	(-15.15)	40.05 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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Appendix C:Emission Mask

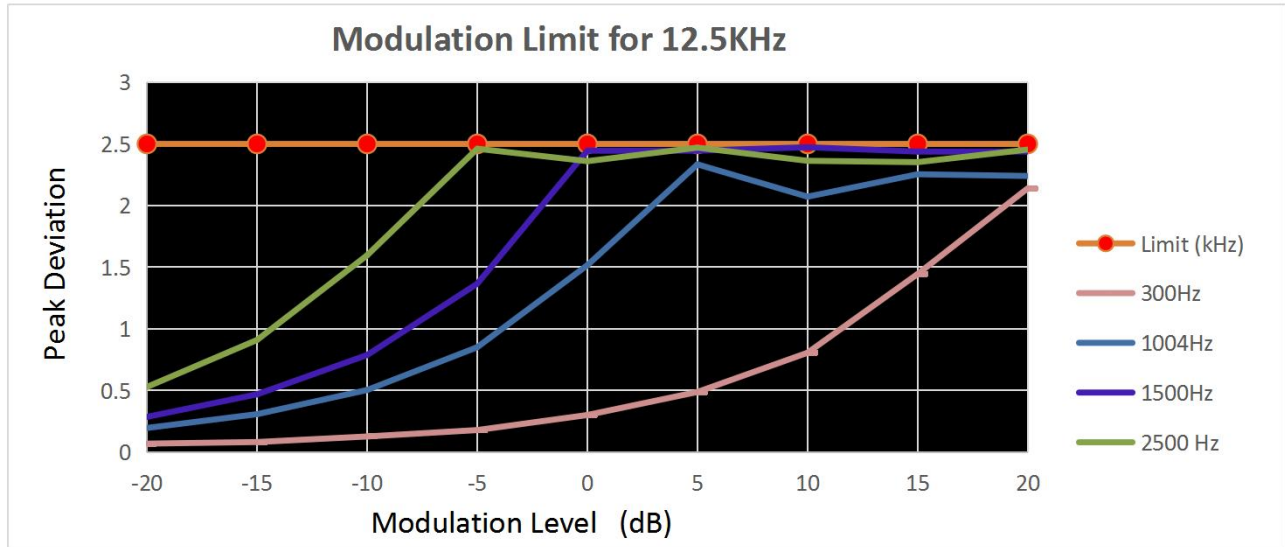
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																																																																																
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 173.987500 MHz Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log  Center 174 MHz Span 120 kHz Total Power Ref 35.98 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>5.625 kHz</td><td>100.0 Hz</td><td>27.48</td><td>(-9.87)</td><td>-2.400 k</td><td>34.27</td><td>(-3.08)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.95</td><td>(-3.31)</td><td>-12.30 k</td><td>-36.84</td><td>(-3.12)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.53</td><td>(-15.53)</td><td>-13.50 k</td><td>-35.88</td><td>(-15.88)</td><td>12.95 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> Frequency Center Freq 173.987500 MHz CF Step 12.000 kHz 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	27.48	(-9.87)	-2.400 k	34.27	(-3.08)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.95	(-3.31)	-12.30 k	-36.84	(-3.12)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.53	(-15.53)	-13.50 k	-35.88	(-15.88)	12.95 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 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 _M	-20	0.069	0.196	0.286	0.529	2.5	PASS
TX-ANH	FM	CH _M	-15	0.082	0.308	0.469	0.910	2.5	PASS
TX-ANH	FM	CH _M	-10	0.127	0.504	0.788	1.597	2.5	PASS
TX-ANH	FM	CH _M	-5	0.179	0.851	1.366	2.461	2.5	PASS
TX-ANH	FM	CH _M	0	0.301	1.516	2.445	2.360	2.5	PASS
TX-ANH	FM	CH _M	5	0.488	2.334	2.445	2.470	2.5	PASS
TX-ANH	FM	CH _M	10	0.806	2.072	2.473	2.363	2.5	PASS
TX-ANH	FM	CH _M	15	1.445	2.254	2.438	2.352	2.5	PASS
TX-ANH	FM	CH _M	20	2.140	2.240	2.437	2.454	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

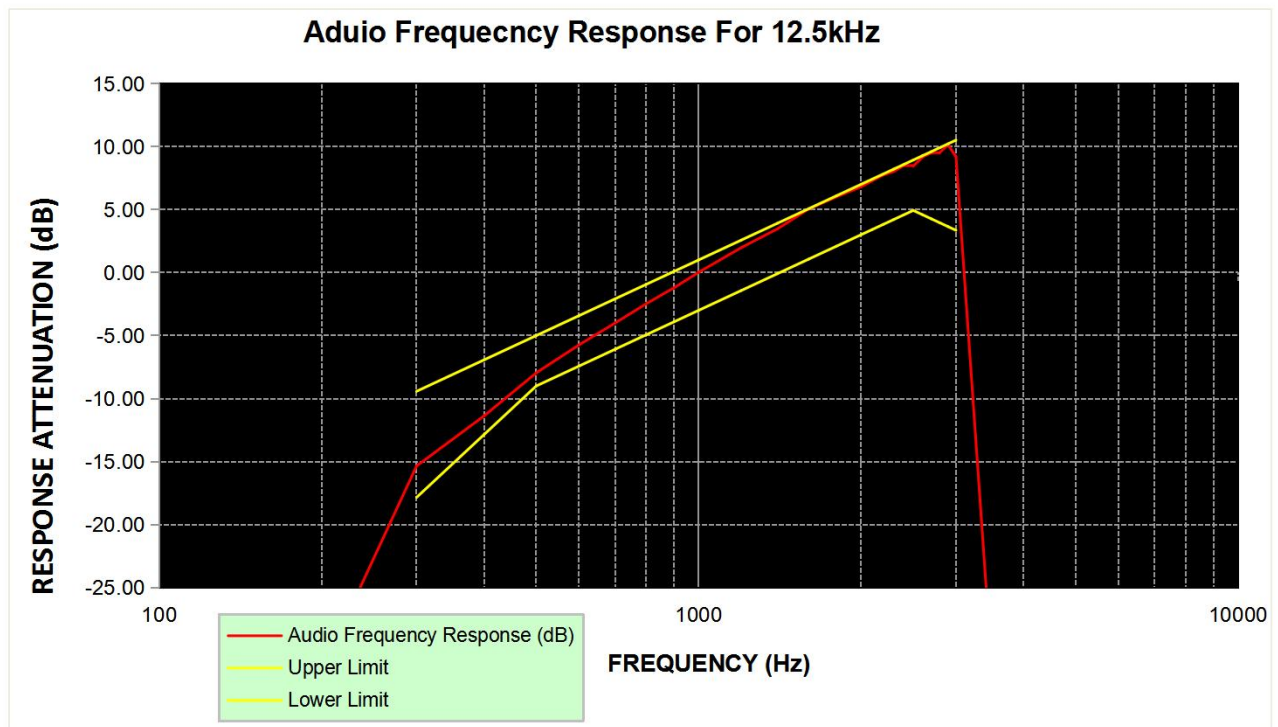


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-31.77			PASS
TX-ANH	FM	CH _M	200	-31.59			PASS
TX-ANH	FM	CH _M	300	-15.35	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-11.38	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-7.96	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-5.74	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-4.00	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-2.47	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-1.21	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	0.02	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.98	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	3.47	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	5.05	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	6.00	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	6.81	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	7.30	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	7.75	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	8.02	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	8.49	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	8.44	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	9.16	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	9.51	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	9.53	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	10.14	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	9.19	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-31.71			PASS
TX-ANH	FM	CH _M	4000	-31.65			PASS
TX-ANH	FM	CH _M	4500	-31.83			PASS
TX-ANH	FM	CH _M	5000	-31.83			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



Appendix F: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-DNH	4FSK	V _N	-30	-0.050	0.081	0.024	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.051	0.080	0.024	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.051	0.077	0.024	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.052	0.080	0.024	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.054	0.078	0.023	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.050	0.075	0.023	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.052	0.081	0.024	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.052	0.082	0.025	±5.0	PASS
TX-DNH	4FSK	V _N	50	-0.050	0.081	0.025	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.123	0.068	0.059	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.122	0.062	0.060	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.129	0.066	0.057	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.119	0.064	0.059	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.121	0.066	0.060	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.117	0.062	0.055	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.128	0.068	0.057	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.123	0.068	0.060	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.119	0.068	0.057	±5.0	PASS
TX-ANH	FM	V _N	-30	0.500	0.551	0.521	±5.0	PASS
TX-ANH	FM	V _N	-20	0.520	0.552	0.508	±5.0	PASS
TX-ANH	FM	V _N	-10	0.533	0.559	0.517	±5.0	PASS
TX-ANH	FM	V _N	0	0.520	0.530	0.532	±5.0	PASS
TX-ANH	FM	V _N	10	0.528	0.547	0.552	±5.0	PASS
TX-ANH	FM	V _N	20	0.494	0.512	0.502	±5.0	PASS
TX-ANH	FM	V _N	30	0.499	0.557	0.516	±5.0	PASS
TX-ANH	FM	V _N	40	0.507	0.556	0.550	±5.0	PASS
TX-ANH	FM	V _N	50	0.522	0.562	0.529	±5.0	PASS
TX-ANL	FM	V _N	-30	0.389	0.561	0.469	±5.0	PASS
TX-ANL	FM	V _N	-20	0.390	0.571	0.442	±5.0	PASS
TX-ANL	FM	V _N	-10	0.399	0.596	0.435	±5.0	PASS
TX-ANL	FM	V _N	0	0.392	0.583	0.474	±5.0	PASS
TX-ANL	FM	V _N	10	0.397	0.566	0.435	±5.0	PASS
TX-ANL	FM	V _N	20	0.369	0.542	0.435	±5.0	PASS
TX-ANL	FM	V _N	30	0.384	0.593	0.454	±5.0	PASS
TX-ANL	FM	V _N	40	0.401	0.543	0.435	±5.0	PASS
TX-ANL	FM	V _N	50	0.406	0.575	0.475	±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 _M	CH _H		
TX-DNH	4FSK	V _N	T _N	-0.050	0.075	0.023	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.050	0.076	0.023	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.051	0.076	0.023	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.117	0.062	0.055	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.117	0.063	0.055	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.123	0.064	0.055	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.494	0.512	0.502	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.500	0.521	0.504	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.517	0.521	0.509	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.369	0.542	0.435	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.370	0.543	0.442	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.379	0.565	0.447	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 155.0 MHz TRG: (IFX 17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 155.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 40.35 dBmCarrier Offset 55.77 Hz FM +Peak 12.832 kHz -Peak -12.942 kHz +Peak/2 12.887 kHz RMS 2.7188 kHz Mod. Freq. --- SINAD --- THD --- Analog Demod: Waiting for Trigger... Measuring... 05.07.2024 10:32:29 Date: 5 JUL 2024 10:32:29 OFF~ON
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 155.0 MHz TRG: (IFX 17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 155.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 40.36 dBmCarrier Offset 57.33 Hz FM +Peak 12.855 kHz -Peak -13.539 kHz +Peak/2 13.197 kHz RMS 2.5872 kHz Mod. Freq. --- SINAD --- THD --- Analog Demod: Waiting for Trigger... Measuring... 05.07.2024 10:33:29 Date: 5 JUL 2024 10:33:29 ON-OFF
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 155.0 MHz TRG: (IFX 17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 155.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 40.35 dBmCarrier Offset 54.98 Hz FM +Peak 13.507 kHz -Peak -18.02 kHz +Peak/2 15.763 kHz RMS 2.7558 kHz Mod. Freq. --- SINAD --- THD --- Analog Demod: Waiting for Trigger... Measuring... 05.07.2024 10:31:37 Date: 5 JUL 2024 10:31:37 OFF~ON

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBmAtt 39 dB AQT 100 ms DBW 25 kHz Freq 155.0 MHzTRIG: (IFX 17MHz) V2G Bypass 1 FM Time Domain1AP Clw DC Ref: 0.00 Hz 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 Hz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 155.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 40.36 dBm Carrier Offset 55.66 Hz FM +Peak12.934 kHz -Peak-12.757 kHz +Peak/212.845 kHz RMS2.5767 kHz Mod. Freq.--- SINAD--- THD--- Analog Demod: Waiting for Trigger...Measuring... 05.07.2024 10:33:08 Date: 5 JUL 2024 10:33:08 ON-OFF

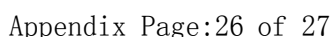
ON-OFF

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																																																
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Stop 1.0000 GHz Mkr3 125.06 MHz -44.863 dBm <table><thead><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>135.73 MHz</td><td>-0.811 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>272.50 MHz</td><td>-41.838 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>125.06 MHz</td><td>-44.863 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></tbody></table> 30MHz~1GHz Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz <tr><td>TX-DNH</td><td>4FSK</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Sweep SA Center Freq 1.180062500 GHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) Stop 1.3601 GHz Mkr1 1.2528 GHz -53.787 dBm File <Temp.png> saved 1GHz~10th Harmonic Frequency Auto Tune Center Freq 1.180062500 GHz Start Freq 1.000000000 GHz Stop Freq 1.360125000 GHz CF Step 36.012500 MHz Auto Man Freq Offset 0 Hz <tr><td>TX-DNH</td><td>4FSK</td><td>CH_M</td><td> Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Stop 1.0000 GHz Mkr3 310.33 MHz -50.971 dBm <table><thead><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>155.13 MHz</td><td>0.216 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>948.59 MHz</td><td>-47.293 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>310.33 MHz</td><td>-50.971 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></tbody></table> 30MHz~1GHz Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz </td></tr></td></tr>	MKR	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	135.73 MHz	-0.811 dBm				2	N	1	f	272.50 MHz	-41.838 dBm				3	N	1	f	125.06 MHz	-44.863 dBm				4									5									6									7									8									9									10									11									TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - 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Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Swept SA Center Freq 1.275000000 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.301 95 GHz -53.048 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) MSG File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 1.275000000 GHz Start Freq 1.000000000 GHz Stop Freq 1.550000000 GHz CF Step 55.000000 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm Mkr3 63.95 MHz -49.510 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) 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 Auto Man Freq Offset 0 Hz 30MHz~1GHz
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Swept SA Center Freq 1.369937500 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.413 6 GHz -52.901 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) MSG File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 1.369937500 GHz Start Freq 1.000000000 GHz Stop Freq 1.739875000 GHz CF Step 73.987500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic



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TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Swept SA Center Freq 1.275000000 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.393 80 GHz -53.516 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 1.275000000 GHz Start Freq 1.000000000 GHz Stop Freq 1.550000000 GHz CF Step 55.000000 MHz Auto Freq Offset 0 Hz																																				
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			MKR	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																												
1	N	1	f	173.56 MHz	1.750 dBm																																		
2	N	1	f	948.59 MHz	-42.062 dBm																																		
3	N	1	f	113.42 MHz	-44.968 dBm																																		
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Swept SA Center Freq 1.369937500 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.674 0 GHz -53.588 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 1.369937500 GHz Start Freq 1.000000000 GHz Stop Freq 1.739875000 GHz CF Step 73.987500 MHz Auto Freq Offset 0 Hz																																				

----End of Report----