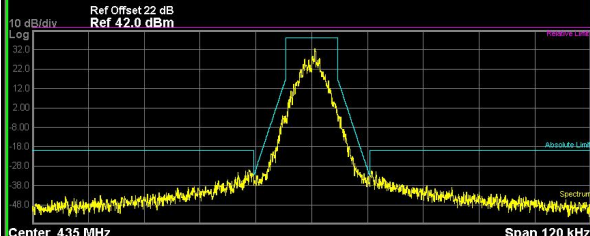
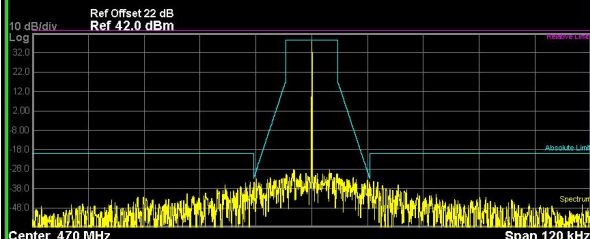
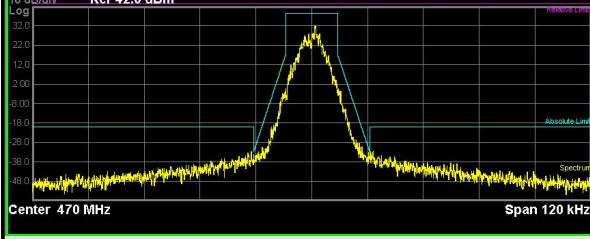


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 01:22:50 PM Dec 30, 2024 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 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 8.00 18.0 28.0 38.0 48.0 Center 400 MHz Span 120 kHz Total Power Ref 37.99 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>-34.76</td><td>(-3.71)</td><td>0.0</td><td>37.90</td><td>(-0.56)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.12</td><td>(-3.69)</td><td>-12.15 k</td><td>-34.41</td><td>(-2.89)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.56</td><td>(-15.56)</td><td>-16.25 k</td><td>-35.08</td><td>(-15.08)</td><td>16.40 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 <MASK D state> recalled STATUS Frequency Center Freq 400.012500 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	-34.76	(-3.71)	0.0	37.90	(-0.56)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.12	(-3.69)	-12.15 k	-34.41	(-2.89)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.56	(-15.56)	-16.25 k	-35.08	(-15.08)	16.40 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 01:26:53 PM Dec 30, 2024 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 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 8.00 18.0 28.0 38.0 48.0 Center 400 MHz Span 120 kHz Total Power Ref 42.68 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>27.78</td><td>(-10.68)</td><td>-550.0</td><td>33.81</td><td>(-4.66)</td><td>800.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.13</td><td>(-4.16)</td><td>-11.95 k</td><td>-35.51</td><td>(-2.90)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.60</td><td>(-7.60)</td><td>-12.80 k</td><td>-26.41</td><td>(-6.41)</td><td>12.75 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></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 400.012500 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	27.78	(-10.68)	-550.0	33.81	(-4.66)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.13	(-4.16)	-11.95 k	-35.51	(-2.90)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.60	(-7.60)	-12.80 k	-26.41	(-6.41)	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-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 01:48:02 PM Dec 30, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #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 8.00 18.0 28.0 38.0 48.0 Center 435 MHz Span 120 kHz Total Power Ref 37.22 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>35.38</td><td>(-2.64)</td><td>0.0</td><td>37.22</td><td>(-0.81)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.03</td><td>(-7.16)</td><td>-12.15 k</td><td>-38.26</td><td>(-6.31)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.42</td><td>(-17.42)</td><td>-15.30 k</td><td>-34.32</td><td>(-14.32)</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></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 435.000000 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	35.38	(-2.64)	0.0	37.22	(-0.81)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-38.03	(-7.16)	-12.15 k	-38.26	(-6.31)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.42	(-17.42)	-15.30 k	-34.32	(-14.32)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE: PULSE ALIGN: AUTO 01:48:49 PM Dec 30, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 435 MHz Span 120 kHz Total Power Ref 41.92 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>27.17</td><td>(-10.86)</td><td>-1.400 k</td><td>32.60</td><td>(-5.43)</td><td>800.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.97</td><td>(-2.29)</td><td>-12.40 k</td><td>-33.46</td><td>(-2.24)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.82</td><td>(-9.82)</td><td>-13.35 k</td><td>-30.51</td><td>(-10.51)</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> MSO File <Temp.png> saved STATUS Frequency Center Freq 435.000000 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	27.17	(-10.86)	-1.400 k	32.60	(-5.43)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.97	(-2.29)	-12.40 k	-33.46	(-2.24)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.82	(-9.82)	-13.35 k	-30.51	(-10.51)	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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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE: PULSE ALIGN: AUTO 01:39:25 PM Dec 30, 2024 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 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 37.73 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>34.21</td><td>(-4.18)</td><td>0.0</td><td>37.61</td><td>(-0.78)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.77</td><td>(-3.18)</td><td>-12.30 k</td><td>-34.93</td><td>(-2.01)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.79</td><td>(-14.79)</td><td>-13.20 k</td><td>-34.46</td><td>(-14.46)</td><td>13.35 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 Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.21	(-4.18)	0.0	37.61	(-0.78)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.77	(-3.18)	-12.30 k	-34.93	(-2.01)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.79	(-14.79)	-13.20 k	-34.46	(-14.46)	13.35 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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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE: PULSE ALIGN: AUTO 01:40:32 PM Dec 30, 2024 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 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 42.18 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>27.94</td><td>(-10.46)</td><td>-600.0</td><td>32.04</td><td>(-6.35)</td><td>800.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.13</td><td>(-1.08)</td><td>-12.50 k</td><td>-33.15</td><td>(-0.10)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.58</td><td>(-12.58)</td><td>-12.85 k</td><td>-32.21</td><td>(-12.21)</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> 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	27.94	(-10.46)	-600.0	32.04	(-6.35)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.13	(-1.08)	-12.50 k	-33.15	(-0.10)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.58	(-12.58)	-12.85 k	-32.21	(-12.21)	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	—	(—)	—	—	(—)	—
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	27.94	(-10.46)	-600.0	32.04	(-6.35)	800.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-34.13	(-1.08)	-12.50 k	-33.15	(-0.10)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-32.58	(-12.58)	-12.85 k	-32.21	(-12.21)	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	—	(—)	—	—	(—)	—																																																										

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 02:56:43 PM Nov 08, 2024 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 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Center 400 MHz Span 120 kHz Total Power Ref 48.12 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 > dEm</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>12.04</td><td>(-36.21)</td><td>0.0</td><td>47.56</td><td>(-0.68)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-30.42</td><td>(-9.04)</td><td>-12.25 k</td><td>-29.93</td><td>(-7.10)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.16</td><td>(-7.16)</td><td>-17.75 k</td><td>-27.18</td><td>(-7.18)</td><td>18.00 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 <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 > dEm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	12.04	(-36.21)	0.0	47.56	(-0.68)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-30.42	(-9.04)	-12.25 k	-29.93	(-7.10)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.16	(-7.16)	-17.75 k	-27.18	(-7.18)	18.00 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dEm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 02:57:04 PM Nov 08, 2024 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 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Center 400 MHz Span 120 kHz Total Power Ref 48.02 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 > dEm</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>39.44</td><td>(-8.80)</td><td>-2.400 k</td><td>45.85</td><td>(-2.39)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-23.42</td><td>(-0.95)</td><td>-12.40 k</td><td>-24.92</td><td>(-1.73)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.38</td><td>(-4.38)</td><td>-13.00 k</td><td>-22.58</td><td>(-2.58)</td><td>12.85 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 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 > dEm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	39.44	(-8.80)	-2.400 k	45.85	(-2.39)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-23.42	(-0.95)	-12.40 k	-24.92	(-1.73)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.38	(-4.38)	-13.00 k	-22.58	(-2.58)	12.85 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dEm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:15:14 PM Nov 08, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Center 435 MHz Span 120 kHz Total Power Ref 47.15 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 > dEm</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>-20.63</td><td>(-68.49)</td><td>-4.900 k</td><td>47.12</td><td>(-0.75)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-28.15</td><td>(-7.85)</td><td>-12.05 k</td><td>-27.96</td><td>(-5.47)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.65</td><td>(-4.65)</td><td>-14.25 k</td><td>-24.41</td><td>(-4.41)</td><td>12.70 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> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 435.000000 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 > dEm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-20.63	(-68.49)	-4.900 k	47.12	(-0.75)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-28.15	(-7.85)	-12.05 k	-27.96	(-5.47)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.65	(-4.65)	-14.25 k	-24.41	(-4.41)	12.70 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dEm	Upper ΔLim(dB)	Freq (Hz)																																																										
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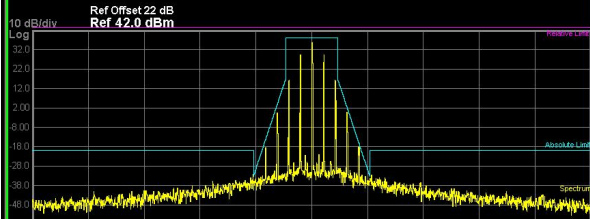
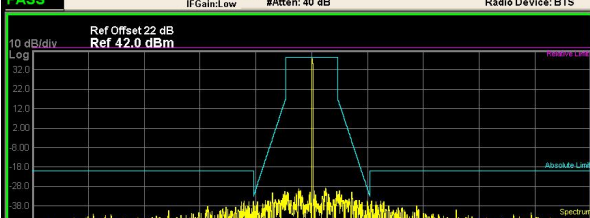
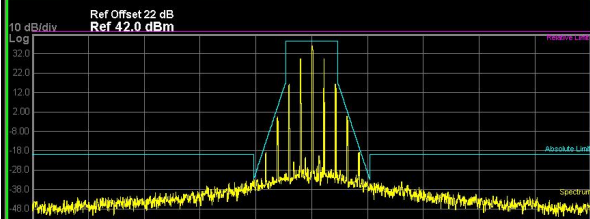
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:15:35 PM Nov 08, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Spectrum Center 435 MHz Span 120 kHz Total Power Ref 47.08 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>38.88</td><td>(-8.99)</td><td>-2.350 k</td><td>45.35</td><td>(-2.52)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-23.28</td><td>(-1.16)</td><td>-12.30 k</td><td>9.335</td><td>(-2.35)</td><td>7.650 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.16</td><td>(-4.16)</td><td>-12.70 k</td><td>-23.19</td><td>(-3.19)</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> MSO Alignment CompletedSTATUS Frequency Center Freq 435.000000 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	38.88	(-8.99)	-2.350 k	45.35	(-2.52)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-23.28	(-1.16)	-12.30 k	9.335	(-2.35)	7.650 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.16	(-4.16)	-12.70 k	-23.19	(-3.19)	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 _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:26:50 PM Nov 08, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Spectrum Center 470 MHz Span 120 kHz Total Power Ref 47.34 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 > 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>-19.27</td><td>(-67.27)</td><td>-4.800 k</td><td>47.28</td><td>(-0.70)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-23.18</td><td>(-0.47)</td><td>-12.40 k</td><td>-31.23</td><td>(-7.78)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.19</td><td>(-6.19)</td><td>-17.10 k</td><td>-26.17</td><td>(-6.17)</td><td>17.50 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> recalledSTATUS Frequency Center Freq 469.987500 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	-19.27	(-67.27)	-4.800 k	47.28	(-0.70)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-23.18	(-0.47)	-12.40 k	-31.23	(-7.78)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.19	(-6.19)	-17.10 k	-26.17	(-6.17)	17.50 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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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:27:19 PM Nov 08, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Spectrum Center 470 MHz Span 120 kHz Total Power Ref 47.35 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>39.06</td><td>(-8.93)</td><td>-2.300 k</td><td>45.64</td><td>(-2.35)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-22.26</td><td>(-0.27)</td><td>-12.30 k</td><td>-24.38</td><td>(-2.02)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-22.65</td><td>(-2.65)</td><td>-17.95 k</td><td>-22.81</td><td>(-2.81)</td><td>13.65 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> MSO File <Temp.png> savedSTATUS Frequency Center Freq 469.987500 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	39.06	(-8.93)	-2.300 k	45.64	(-2.35)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-22.26	(-0.27)	-12.30 k	-24.38	(-2.02)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-22.65	(-2.65)	-17.95 k	-22.81	(-2.81)	13.65 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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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 kHz AC SENSE: PULSE ALIGN: AUTO 03:04:02 PM Nov 08, 2024 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 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 400 MHz Span 120 kHz Total Power Ref 38.03 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 > dEm</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>-10.90</td><td>(-49.51)</td><td>0.0</td><td>37.91</td><td>(-0.70)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.00</td><td>(-4.17)</td><td>-12.50 k</td><td>-36.03</td><td>(-4.65)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.48</td><td>(-16.48)</td><td>-14.80 k</td><td>-36.71</td><td>(-16.71)</td><td>15.05 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> MSO File <MASK D.state> recalledSTATUS 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 > dEm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-10.90	(-49.51)	0.0	37.91	(-0.70)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.00	(-4.17)	-12.50 k	-36.03	(-4.65)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.48	(-16.48)	-14.80 k	-36.71	(-16.71)	15.05 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 kHz AC SENSE: PULSE ALIGN: AUTO 03:04:24 PM Nov 08, 2024 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 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 Center 400 MHz Span 120 kHz Total Power Ref 38.18 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 > dEm</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>29.80</td><td>(-8.81)</td><td>-2.350 k</td><td>36.21</td><td>(-2.41)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.23</td><td>(-1.13)</td><td>-12.40 k</td><td>-34.11</td><td>(-1.28)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.04</td><td>(-13.04)</td><td>-13.20 k</td><td>-30.98</td><td>(-10.98)</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> savedSTATUS 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 > dEm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.80	(-8.81)	-2.350 k	36.21	(-2.41)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.23	(-1.13)	-12.40 k	-34.11	(-1.28)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.04	(-13.04)	-13.20 k	-30.98	(-10.98)	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-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 kHz AC SENSE: PULSE ALIGN: AUTO 03:21:18 PM Nov 08, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #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 8.00 18.0 28.0 38.0 48.0 Center 435 MHz Span 120 kHz Total Power Ref 37.46 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 > dEm</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>-27.65</td><td>(-65.75)</td><td>0.0</td><td>37.37</td><td>(-0.73)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.69</td><td>(-2.35)</td><td>-12.50 k</td><td>-35.53</td><td>(-2.91)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.40</td><td>(-17.40)</td><td>-16.35 k</td><td>-36.75</td><td>(-16.75)</td><td>12.70 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> MSO File <MASK D.state> recalledSTATUS Frequency Center Freq 435.000000 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 > dEm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-27.65	(-65.75)	0.0	37.37	(-0.73)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.69	(-2.35)	-12.50 k	-35.53	(-2.91)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.40	(-17.40)	-16.35 k	-36.75	(-16.75)	12.70 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

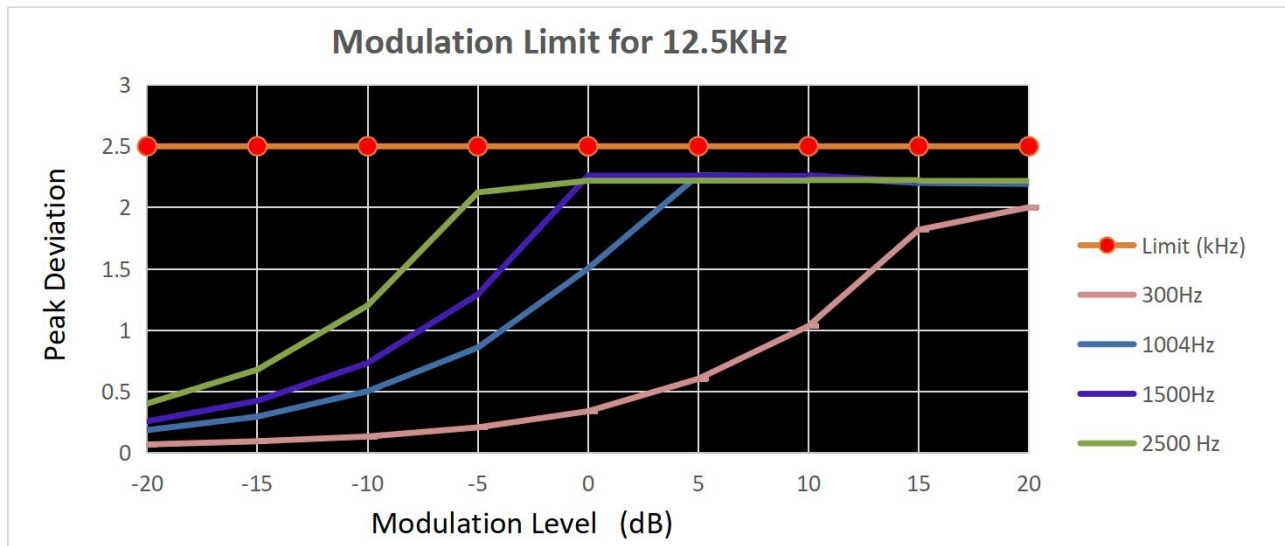
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 03:21:39 PM Nov 08, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 435 MHz Span 120 kHz Total Power Ref 37.47 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 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>-29.21</td><td>(-8.88)</td><td>2.300 k</td><td>35.68</td><td>(-2.42)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.94</td><td>(-4.05)</td><td>12.30 k</td><td>-18.51</td><td>(-1.90)</td><td>10.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.17</td><td>(-12.17)</td><td>12.60 k</td><td>-32.57</td><td>(-12.57)</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> Frequency Center Freq 435.000000 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	-29.21	(-8.88)	2.300 k	35.68	(-2.42)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.94	(-4.05)	12.30 k	-18.51	(-1.90)	10.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.17	(-12.17)	12.60 k	-32.57	(-12.57)	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	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 03:31:20 PM Nov 08, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 37.66 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>-29.07</td><td>(-67.48)</td><td>2.700 k</td><td>37.64</td><td>(-0.77)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.65</td><td>(-2.99)</td><td>12.45 k</td><td>-35.62</td><td>(-6.59)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.52</td><td>(-15.52)</td><td>14.50 k</td><td>-35.51</td><td>(-15.51)</td><td>14.90 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> File <MASK.D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-29.07	(-67.48)	2.700 k	37.64	(-0.77)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.65	(-2.99)	12.45 k	-35.62	(-6.59)	11.95 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.52	(-15.52)	14.50 k	-35.51	(-15.51)	14.90 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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0.0 Hz	5.625 kHz	100.0 Hz	-29.07	(-67.48)	2.700 k	37.64	(-0.77)	200.0																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-35.52	(-15.52)	14.50 k	-35.51	(-15.51)	14.90 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	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 03:31:42 PM Nov 08, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 37.67 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>29.46</td><td>(-8.95)</td><td>2.300 k</td><td>36.03</td><td>(-2.37)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.81</td><td>(-0.78)</td><td>12.50 k</td><td>-0.379</td><td>(-2.24)</td><td>7.700 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.59</td><td>(-13.59)</td><td>12.70 k</td><td>-34.05</td><td>(-14.05)</td><td>19.40 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> 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 dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.46	(-8.95)	2.300 k	36.03	(-2.37)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.81	(-0.78)	12.50 k	-0.379	(-2.24)	7.700 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.59	(-13.59)	12.70 k	-34.05	(-14.05)	19.40 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	—	(—)	—	—	(—)	—
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 _M	-20	0.068	0.185	0.257	0.402	2.5	PASS
TX-ANH	FM	CH _M	-15	0.094	0.295	0.424	0.678	2.5	PASS
TX-ANH	FM	CH _M	-10	0.133	0.502	0.732	1.201	2.5	PASS
TX-ANH	FM	CH _M	-5	0.207	0.858	1.292	2.124	2.5	PASS
TX-ANH	FM	CH _M	0	0.339	1.503	2.260	2.219	2.5	PASS
TX-ANH	FM	CH _M	5	0.603	2.263	2.257	2.220	2.5	PASS
TX-ANH	FM	CH _M	10	1.034	2.255	2.263	2.224	2.5	PASS
TX-ANH	FM	CH _M	15	1.819	2.201	2.212	2.217	2.5	PASS
TX-ANH	FM	CH _M	20	2.002	2.193	2.209	2.218	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

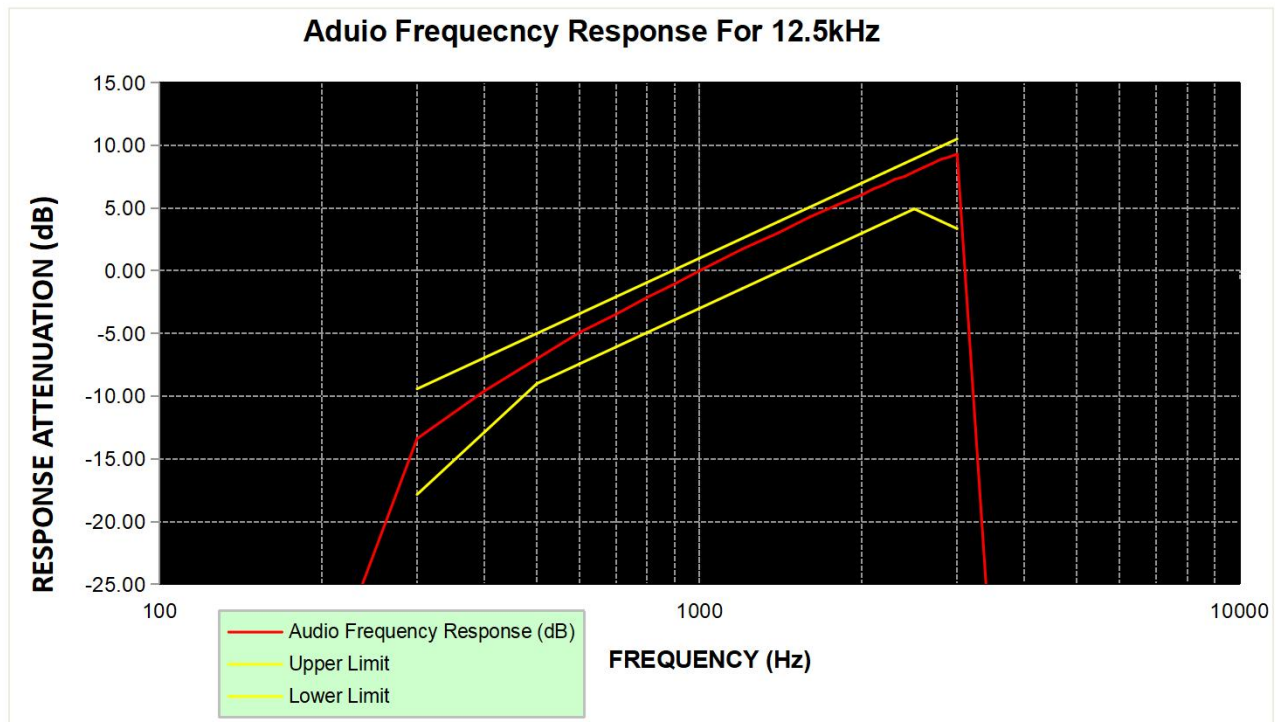


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-33.53			PASS
TX-ANH	FM	CH _M	200	-33.58			PASS
TX-ANH	FM	CH _M	300	-13.39	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-9.58	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-7.02	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-4.92	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-3.48	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-2.13	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-1.05	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	-0.01	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.73	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	3.02	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	4.28	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	5.25	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	6.06	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	6.53	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	6.87	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	7.29	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	7.52	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	7.90	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	8.24	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	8.56	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	8.89	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	9.07	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	9.32	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-33.64			PASS
TX-ANH	FM	CH _M	4000	-33.70			PASS
TX-ANH	FM	CH _M	4500	-33.37			PASS
TX-ANH	FM	CH _M	5000	-33.86			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	0.114	0.098	0.130	±1.5	PASS
TX-DNH	4FSK	V _N	-20	0.113	0.099	0.131	±1.5	PASS
TX-DNH	4FSK	V _N	-10	0.107	0.098	0.127	±1.5	PASS
TX-DNH	4FSK	V _N	0	0.110	0.105	0.130	±1.5	PASS
TX-DNH	4FSK	V _N	10	0.112	0.103	0.132	±1.5	PASS
TX-DNH	4FSK	V _N	20	0.105	0.097	0.124	±1.5	PASS
TX-DNH	4FSK	V _N	30	0.107	0.100	0.135	±1.5	PASS
TX-DNH	4FSK	V _N	40	0.112	0.098	0.127	±1.5	PASS
TX-DNH	4FSK	V _N	50	0.115	0.105	0.134	±1.5	PASS
TX-DNL	4FSK	V _N	-30	0.113	0.123	0.116	±1.5	PASS
TX-DNL	4FSK	V _N	-20	0.124	0.126	0.115	±1.5	PASS
TX-DNL	4FSK	V _N	-10	0.117	0.121	0.113	±1.5	PASS
TX-DNL	4FSK	V _N	0	0.123	0.120	0.117	±1.5	PASS
TX-DNL	4FSK	V _N	10	0.115	0.124	0.110	±1.5	PASS
TX-DNL	4FSK	V _N	20	0.113	0.116	0.108	±1.5	PASS
TX-DNL	4FSK	V _N	30	0.121	0.125	0.112	±1.5	PASS
TX-DNL	4FSK	V _N	40	0.117	0.123	0.112	±1.5	PASS
TX-DNL	4FSK	V _N	50	0.116	0.124	0.118	±1.5	PASS
TX-ANH	FM	V _N	-30	0.384	0.519	0.479	±1.5	PASS
TX-ANH	FM	V _N	-20	0.394	0.518	0.488	±1.5	PASS
TX-ANH	FM	V _N	-10	0.399	0.508	0.487	±1.5	PASS
TX-ANH	FM	V _N	0	0.369	0.473	0.474	±1.5	PASS
TX-ANH	FM	V _N	10	0.381	0.489	0.479	±1.5	PASS
TX-ANH	FM	V _N	20	0.365	0.472	0.462	±1.5	PASS
TX-ANH	FM	V _N	30	0.366	0.488	0.481	±1.5	PASS
TX-ANH	FM	V _N	40	0.368	0.478	0.471	±1.5	PASS
TX-ANH	FM	V _N	50	0.376	0.488	0.472	±1.5	PASS
TX-ANL	FM	V _N	-30	0.435	0.457	0.475	±1.5	PASS
TX-ANL	FM	V _N	-20	0.430	0.474	0.484	±1.5	PASS
TX-ANL	FM	V _N	-10	0.427	0.451	0.476	±1.5	PASS
TX-ANL	FM	V _N	0	0.412	0.456	0.483	±1.5	PASS
TX-ANL	FM	V _N	10	0.406	0.472	0.498	±1.5	PASS
TX-ANL	FM	V _N	20	0.400	0.443	0.474	±1.5	PASS
TX-ANL	FM	V _N	30	0.418	0.470	0.491	±1.5	PASS
TX-ANL	FM	V _N	40	0.402	0.447	0.513	±1.5	PASS
TX-ANL	FM	V _N	50	0.420	0.482	0.504	±1.5	PASS

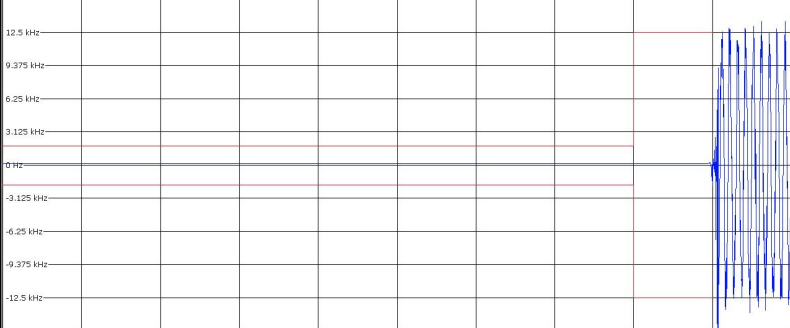
Appendix G:Frequency Stability Test & Voltage

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	0.105	0.097	0.124	±1.5	PASS
TX-DNH	4FSK	V _L	T _N	0.105	0.098	0.124	±1.5	PASS
TX-DNH	4FSK	V _H	T _N	0.107	0.101	0.125	±1.5	PASS
TX-DNL	4FSK	V _N	T _N	0.113	0.116	0.108	±1.5	PASS
TX-DNL	4FSK	V _L	T _N	0.114	0.118	0.110	±1.5	PASS
TX-DNL	4FSK	V _H	T _N	0.117	0.118	0.113	±1.5	PASS
TX-ANH	FM	V _N	T _N	0.365	0.472	0.462	±1.5	PASS
TX-ANH	FM	V _L	T _N	0.366	0.481	0.465	±1.5	PASS
TX-ANH	FM	V _H	T _N	0.373	0.487	0.470	±1.5	PASS
TX-ANL	FM	V _N	T _N	0.400	0.443	0.474	±1.5	PASS
TX-ANL	FM	V _L	T _N	0.407	0.452	0.482	±1.5	PASS
TX-ANL	FM	V _H	T _N	0.410	0.448	0.486	±1.5	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 49.50 dBm Offset 20.00 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(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 435.0 MHz 1001 pts 10.0 ms/ Result Summary <table><tr><td colspan="4">Carrier Power 34.47 dBm</td><td colspan="4">Carrier Offset 130.48 Hz</td></tr><tr><td>FM</td><td>+Peak 14.209 kHz</td><td>-Peak -14.189 kHz</td><td>+Peak/2 14.199 kHz</td><td>RMS 2.6962 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 07.11.2024 15:50:24 Date: 7.NOV.2024 15:50:25 OFF~ON	Carrier Power 34.47 dBm				Carrier Offset 130.48 Hz				FM	+Peak 14.209 kHz	-Peak -14.189 kHz	+Peak/2 14.199 kHz	RMS 2.6962 kHz	Mod. Freq.	SINAD	THD
Carrier Power 34.47 dBm				Carrier Offset 130.48 Hz															
FM	+Peak 14.209 kHz	-Peak -14.189 kHz	+Peak/2 14.199 kHz	RMS 2.6962 kHz	Mod. Freq.	SINAD	THD												
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 49.50 dBm Offset 20.00 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(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 435.0 MHz 1001 pts 10.0 ms/ Result Summary <table><tr><td colspan="4">Carrier Power 34.48 dBm</td><td colspan="4">Carrier Offset 131.57 Hz</td></tr><tr><td>FM</td><td>+Peak 13.544 kHz</td><td>-Peak -18.527 kHz</td><td>+Peak/2 16.035 kHz</td><td>RMS 2.6827 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 07.11.2024 15:52:01 Date: 7.NOV.2024 15:52:01 ON-OFF	Carrier Power 34.48 dBm				Carrier Offset 131.57 Hz				FM	+Peak 13.544 kHz	-Peak -18.527 kHz	+Peak/2 16.035 kHz	RMS 2.6827 kHz	Mod. Freq.	SINAD	THD
Carrier Power 34.48 dBm				Carrier Offset 131.57 Hz															
FM	+Peak 13.544 kHz	-Peak -18.527 kHz	+Peak/2 16.035 kHz	RMS 2.6827 kHz	Mod. Freq.	SINAD	THD												
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 49.50 dBm Offset 20.00 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(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 435.0 MHz 1001 pts 10.0 ms/ Result Summary <table><tr><td colspan="4">Carrier Power 34.47 dBm</td><td colspan="4">Carrier Offset 136.47 Hz</td></tr><tr><td>FM</td><td>+Peak 14.932 kHz</td><td>-Peak -15.222 kHz</td><td>+Peak/2 15.077 kHz</td><td>RMS 8.6395 kHz</td><td>Mod. Freq. 1.0307 kHz</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 07.11.2024 15:48:37 Date: 7.NOV.2024 15:48:37 OFF~ON	Carrier Power 34.47 dBm				Carrier Offset 136.47 Hz				FM	+Peak 14.932 kHz	-Peak -15.222 kHz	+Peak/2 15.077 kHz	RMS 8.6395 kHz	Mod. Freq. 1.0307 kHz	SINAD	THD
Carrier Power 34.47 dBm				Carrier Offset 136.47 Hz															
FM	+Peak 14.932 kHz	-Peak -15.222 kHz	+Peak/2 15.077 kHz	RMS 8.6395 kHz	Mod. Freq. 1.0307 kHz	SINAD	THD												

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 49.50 dBm Offset 20.00 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG: IFP(17MHz) YIG Bypass 1 FM Time Domain 1AP Clrw 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 435.0 MHz 1001 pts 10.0 ms/ 1 Result Summary Carrier Power 34.48 dBm Carrier Offset 131.57 Hz +Peak -Peak +Peak/2 RMS Mod. Freq. SINAD THD FM 13.544 kHz -18.527 kHz 16.035 kHz 2.6827 kHz --- --- --- Analog Demod. Waiting for Trigger... Measuring... 07.11.2024 15:52:01
			Date: 7.NOV.2024 15:52:01
			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 - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm Mkr3 357.86 MHz -53.808 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) <table><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>399.57 MHz</td><td>-51.625 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>381.14 MHz</td><td>-51.231 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>357.86 MHz</td><td>-53.808 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> 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	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	399.57 MHz	-51.625 dBm				2	N	1	f	381.14 MHz	-51.231 dBm				3	N	1	f	357.86 MHz	-53.808 dBm				4									5									6									7									8									9									10									11								
MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																							
1	N	1	f	399.57 MHz	-51.625 dBm																																																																																																										
2	N	1	f	381.14 MHz	-51.231 dBm																																																																																																										
3	N	1	f	357.86 MHz	-53.808 dBm																																																																																																										
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TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Swept SA Center Freq 2.500062500 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 2.800 GHz -47.869 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.000 GHz Sweep 5.067 ms (1001 pts) File <Temp.png> saved Frequency Auto Tune Center Freq 2.500062500 GHz Start Freq 1.000000000 GHz Stop Freq 4.000125000 GHz CF Step 300.012500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic																																																																																																												
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm Mkr3 110.51 MHz -50.385 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) <table><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>435.48 MHz</td><td>-37.724 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>319.08 MHz</td><td>-47.782 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>110.51 MHz</td><td>-50.385 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> 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	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	435.48 MHz	-37.724 dBm				2	N	1	f	319.08 MHz	-47.782 dBm				3	N	1	f	110.51 MHz	-50.385 dBm				4									5									6									7									8									9									10									11								
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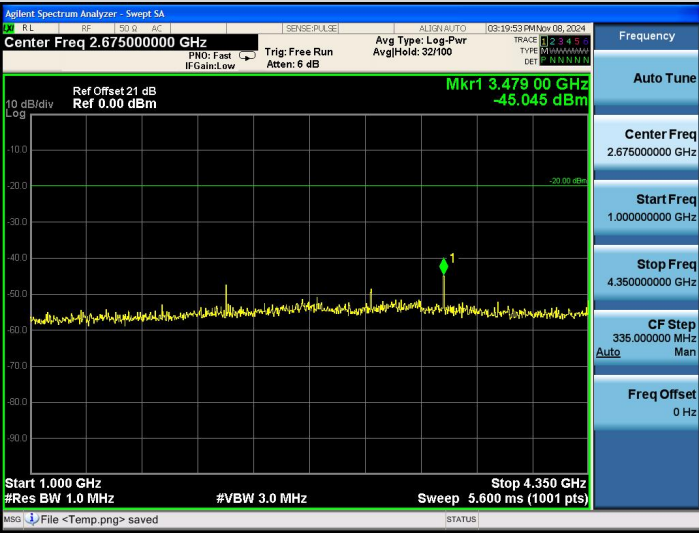
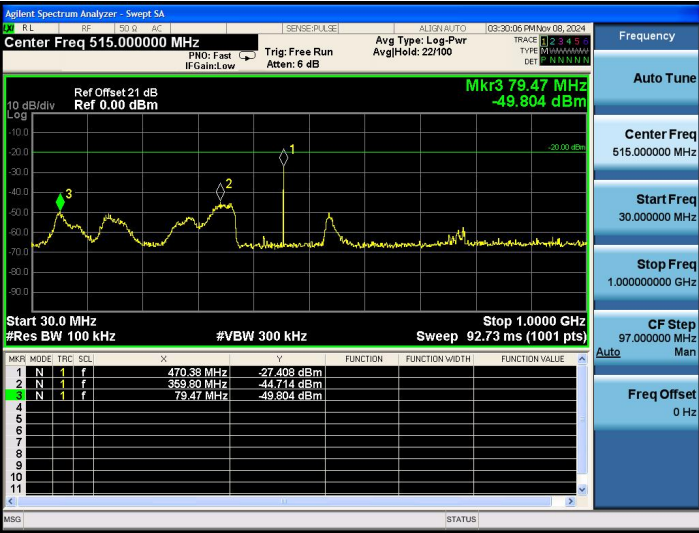
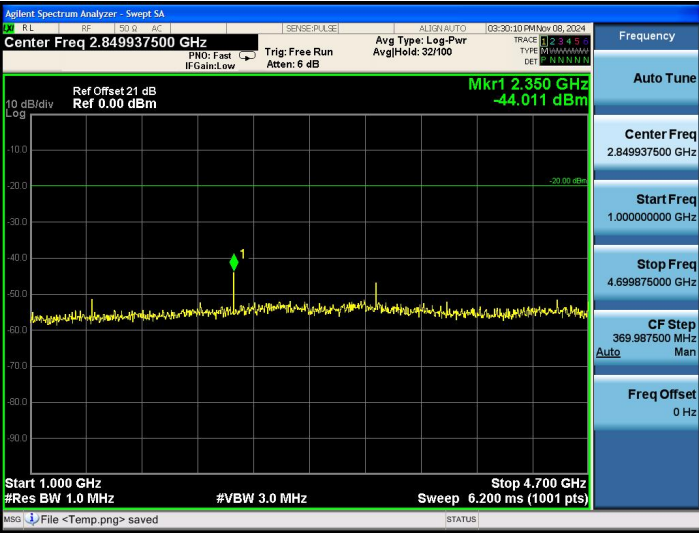
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Swept SA Center Freq 2.67500000 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 3.479 00 GHz -45.773 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts) 10 dB/div Log Stop 4.350 GHz File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 2.675000000 GHz Start Freq 1.000000000 GHz Stop Freq 4.350000000 GHz CF Step 335.000000 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 78.60 MHz -49.958 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) 10 dB/div Log Stop 1.000 GHz File <Temp.png> saved 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 2.849937500 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 2.350 GHz -44.541 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.200 ms (1001 pts) 10 dB/div Log Stop 4.700 GHz File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 2.849937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.699875000 GHz CF Step 369.987500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 30.0 MHz #Res BW 100 kHz Stop 1.0000 GHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Mkr3 354.95 MHz -53.599 dBm 1 2 3 <table><tr><th>MN</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>399.57 MHz</td><td>-51.549 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>381.14 MHz</td><td>-52.734 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>354.95 MHz</td><td>-53.599 dBm</td><td></td><td></td><td></td></tr></table> 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	MN	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	399.57 MHz	-51.549 dBm				2	N	1	f	381.14 MHz	-52.734 dBm				3	N	1	f	354.95 MHz	-53.599 dBm			
MN	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																															
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TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Swept SA Center Freq 2.500062500 GHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 1.000 GHz #Res BW 1.0 MHz Stop 4.000 GHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts) Mkr1 2.800 GHz -47.230 dBm 1 <table><tr><th>MN</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.800 GHz</td><td>-47.230 dBm</td><td></td><td></td><td></td></tr></table> Frequency Auto Tune Center Freq 2.500062500 GHz Start Freq 1.000000000 GHz Stop Freq 4.000125000 GHz CF Step 300.012500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic	MN	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.800 GHz	-47.230 dBm																					
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TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Swept 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 Stop 1.0000 GHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Mkr3 369.50 MHz -48.415 dBm 1 2 3 <table><tr><th>MN</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>435.46 MHz</td><td>-37.446 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>322.34 MHz</td><td>-47.628 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>369.50 MHz</td><td>-48.415 dBm</td><td></td><td></td><td></td></tr></table> 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	MN	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	435.46 MHz	-37.446 dBm				2	N	1	f	322.34 MHz	-47.628 dBm				3	N	1	f	369.50 MHz	-48.415 dBm			
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Appendix I:Spurious Emission On Antenna Port

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

----End of Report----