

Project No.	SHT2504052402W		
Test sample No.	YPHT25040524002	Model No.	X1 pro
Start date.	2025/5/12	Start date.	2025/5/19
Temperature	25.9℃	Humidity	52%
Test Engineer	Xiangyu Wei	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	5/12	PASS
B	Occupied Bandwidth	5/13	PASS
C	Emission Mask	5/19	PASS
D	Modulation Limit	5/13	PASS
E	Audio Frequency Response	5/13	PASS
F	Frequency Stability Test & Temperature	5/13	PASS
G	Frequency Stability Test & Voltage	5/13	PASS
H	Transmitter Frequency Behavior	5/13	PASS
I	Spurious Emission On Antenna Port	5/13	PASS

Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage(%))	Limit (%)	Result
TX-DNH	4FSK	CH _L	31.80	1.51	1.50	0.67	±20	PASS
TX-DNH	4FSK	CH _M	31.70	1.48	1.50	-1.33	±20	PASS
TX-DNH	4FSK	CH _H	31.60	1.45	1.50	-3.33	±20	PASS
TX-DNL	4FSK	CH _L	27.30	0.54	0.50	8.00	±20	PASS
TX-DNL	4FSK	CH _M	27.50	0.56	0.50	12.00	±20	PASS
TX-DNL	4FSK	CH _H	27.40	0.55	0.50	10.00	±20	PASS
TX-ANH	FM	CH _L	32.06	1.61	1.50	7.33	±20	PASS
TX-ANH	FM	CH _M	31.90	1.55	1.50	3.33	±20	PASS
TX-ANH	FM	CH _H	31.13	1.30	1.50	-13.33	±20	PASS
TX-ANL	FM	CH _L	27.20	0.52	0.50	4.00	±20	PASS
TX-ANL	FM	CH _M	26.95	0.50	0.50	0.00	±20	PASS
TX-ANL	FM	CH _H	26.91	0.49	0.50	-2.00	±20	PASS

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.01	9.35	≤11.25	PASS
TX-DNH	4FSK	CH _M	7.18	9.22	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.05	9.28	≤11.25	PASS
TX-DNL	4FSK	CH _L	6.89	9.23	≤11.25	PASS
TX-DNL	4FSK	CH _M	7.42	9.57	≤11.25	PASS
TX-DNL	4FSK	CH _H	6.88	9.25	≤11.25	PASS
TX-ANH	FM	CH _L	9.93	10.16	≤11.25	PASS
TX-ANH	FM	CH _M	9.94	10.16	≤11.25	PASS
TX-ANH	FM	CH _H	9.94	10.16	≤11.25	PASS
TX-ANL	FM	CH _L	9.94	10.16	≤11.25	PASS
TX-ANL	FM	CH _M	9.94	10.16	≤11.25	PASS
TX-ANL	FM	CH _H	9.94	10.16	≤11.25	PASS

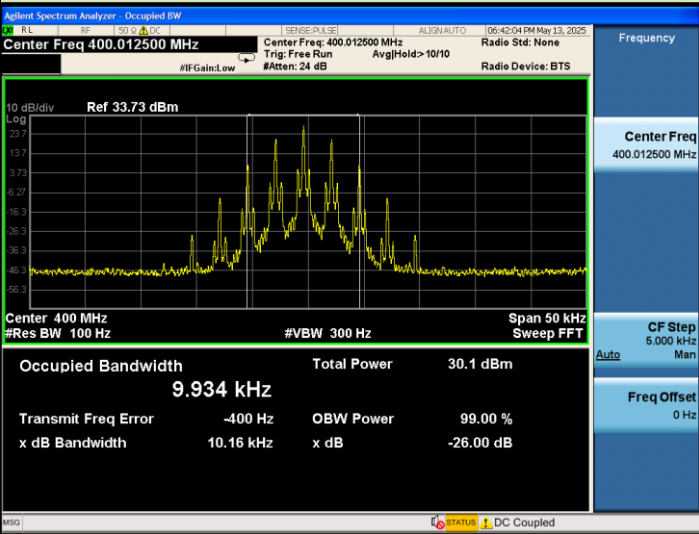
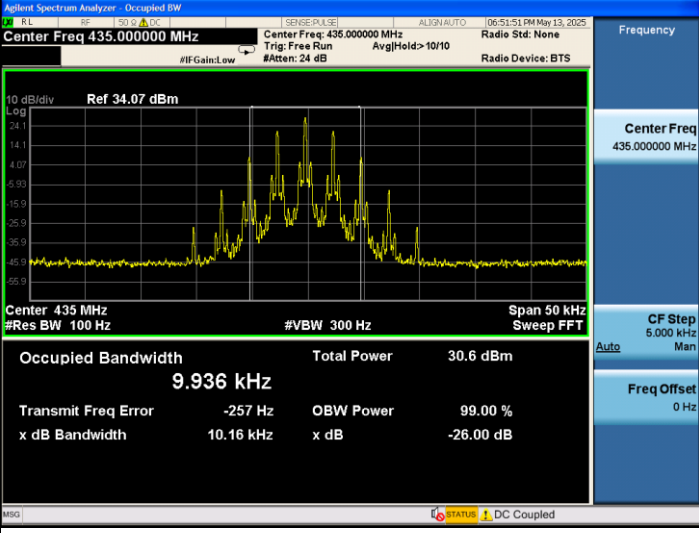
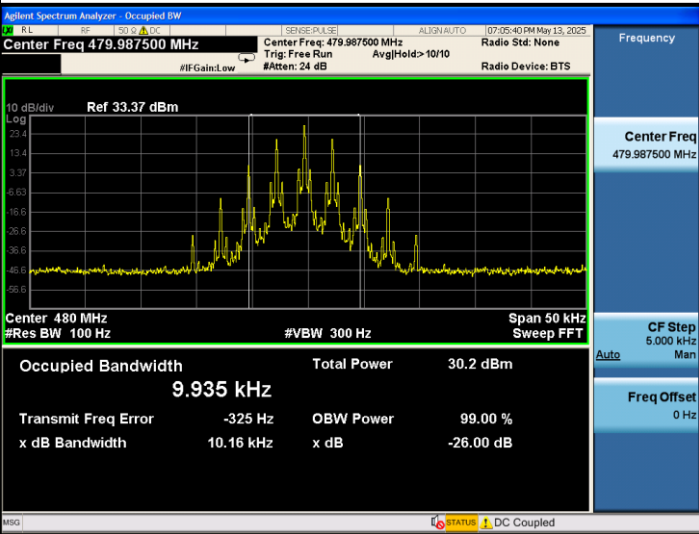
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 33.78 dBm Occupied Bandwidth 7.007 kHz Total Power 36.8 dBm Transmit Freq Error -381 Hz OBW Power 99.00 % x dB Bandwidth 9.345 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 34.01 dBm Occupied Bandwidth 7.184 kHz Total Power 37.2 dBm Transmit Freq Error -283 Hz OBW Power 99.00 % x dB Bandwidth 9.223 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 33.17 dBm Occupied Bandwidth 7.053 kHz Total Power 36.5 dBm Transmit Freq Error -438 Hz OBW Power 99.00 % x dB Bandwidth 9.280 kHz x dB -26.00 dB

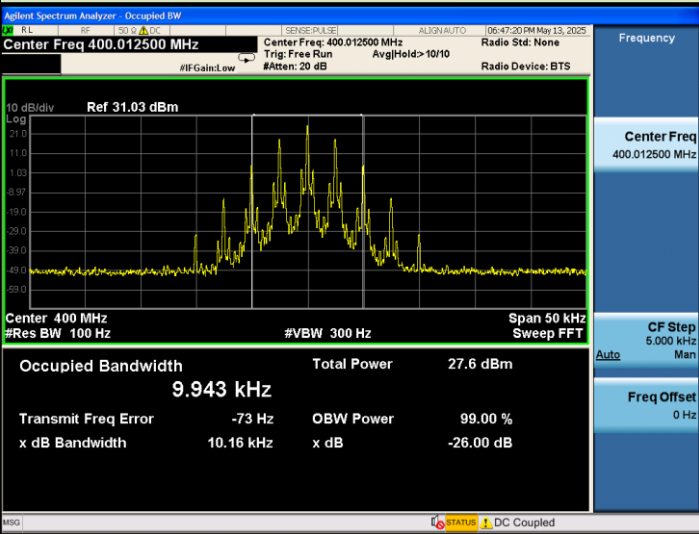
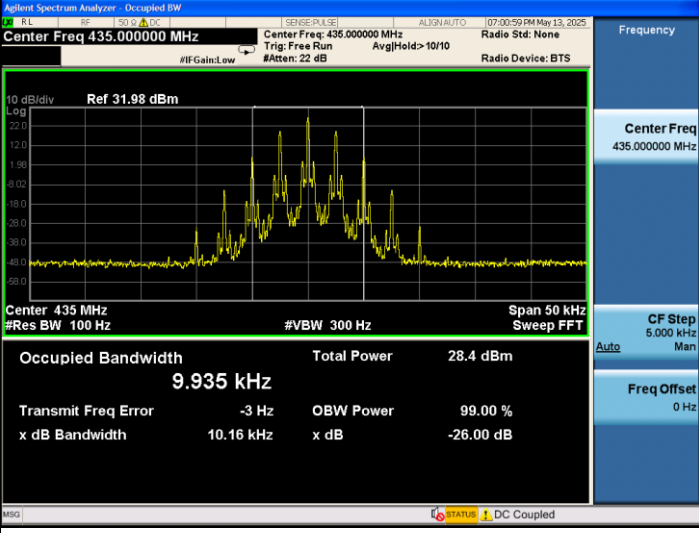
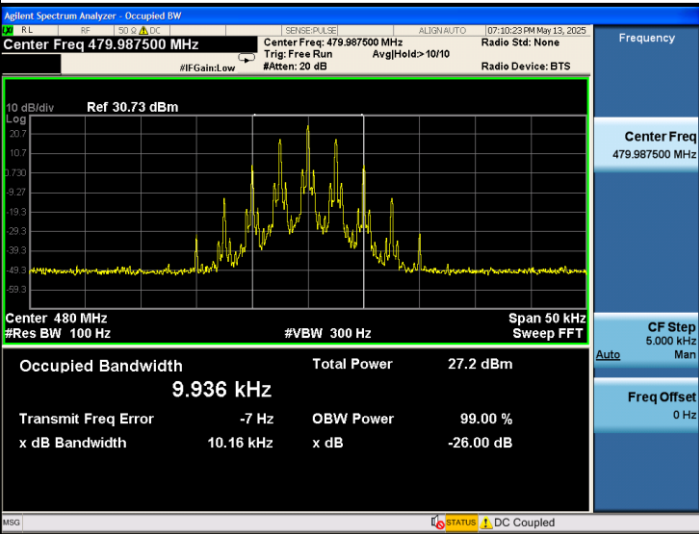
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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 31.20 dBm Occupied Bandwidth 6.890 kHz Total Power 34.2 dBm Transmit Freq Error -203 Hz OBW Power 99.00 % x dB Bandwidth 9.226 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 31.65 dBm Occupied Bandwidth 7.424 kHz Total Power 35.0 dBm Transmit Freq Error -102 Hz OBW Power 99.00 % x dB Bandwidth 9.573 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 30.28 dBm Occupied Bandwidth 6.876 kHz Total Power 33.7 dBm Transmit Freq Error -184 Hz OBW Power 99.00 % x dB Bandwidth 9.254 kHz x dB -26.00 dB

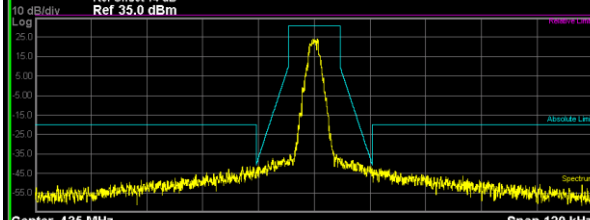
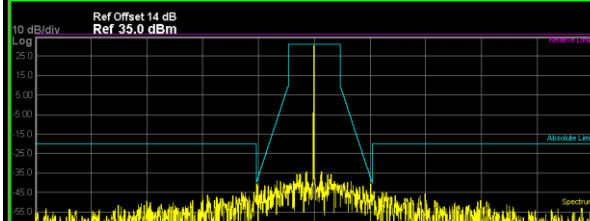
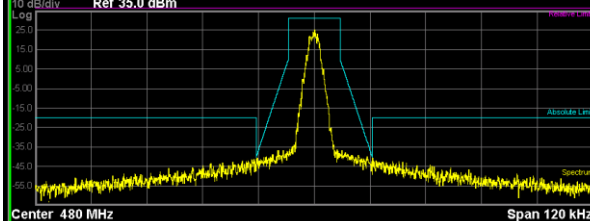
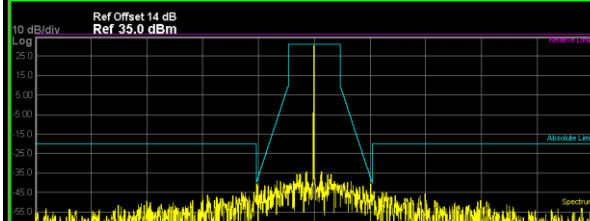
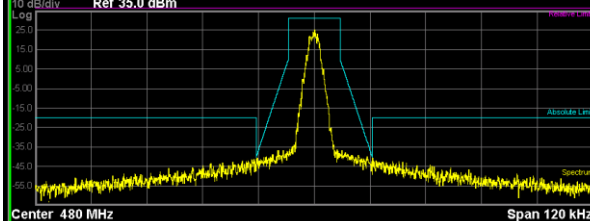
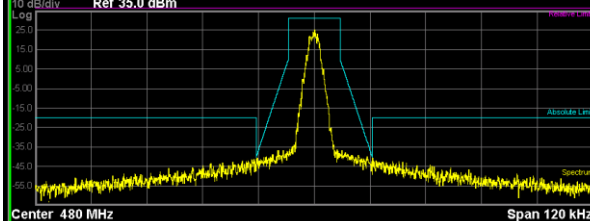
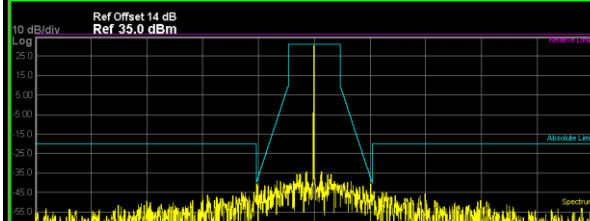
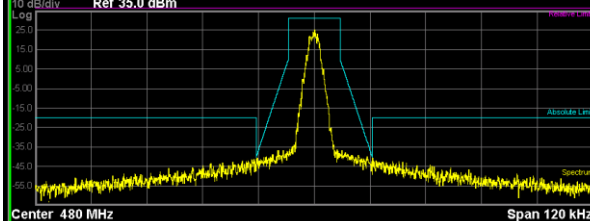
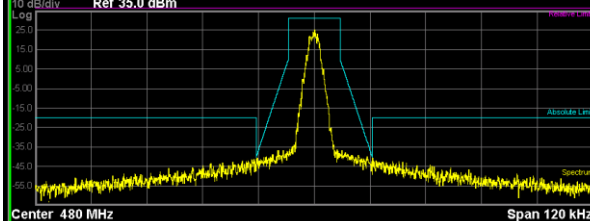
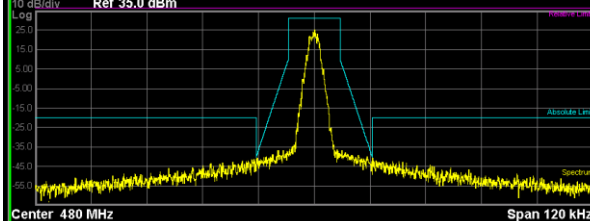
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 33.73 dBm Occupied Bandwidth 9.934 kHz Total Power 30.1 dBm Transmit Freq Error -400 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANH	FM	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 34.07 dBm Occupied Bandwidth 9.936 kHz Total Power 30.6 dBm Transmit Freq Error -257 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANH	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 33.37 dBm Occupied Bandwidth 9.935 kHz Total Power 30.2 dBm Transmit Freq Error -325 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB

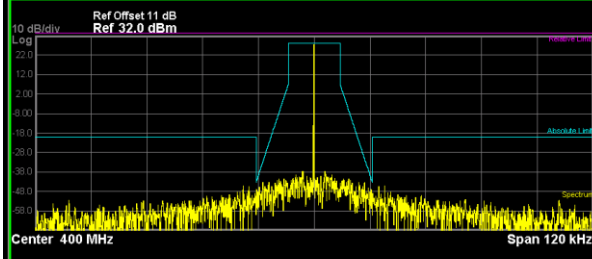
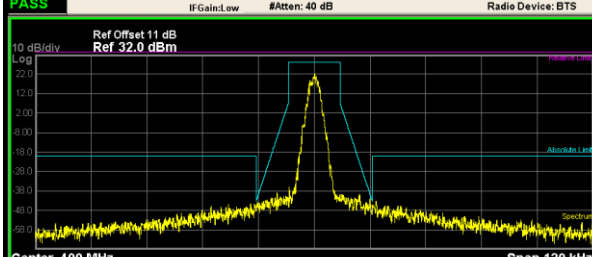
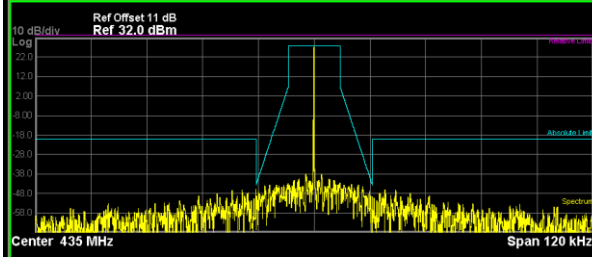
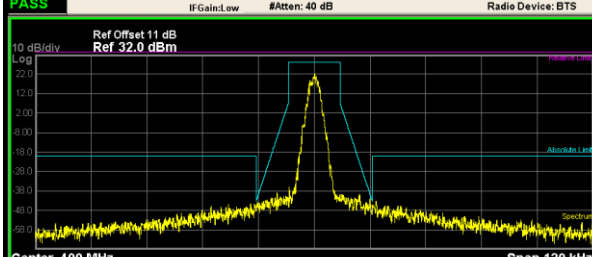
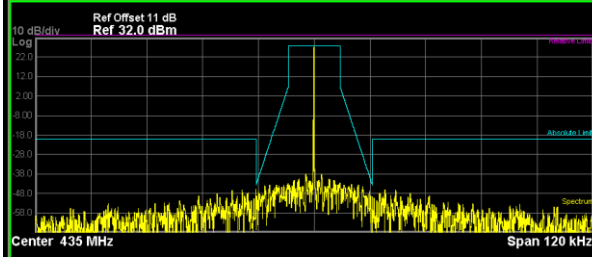
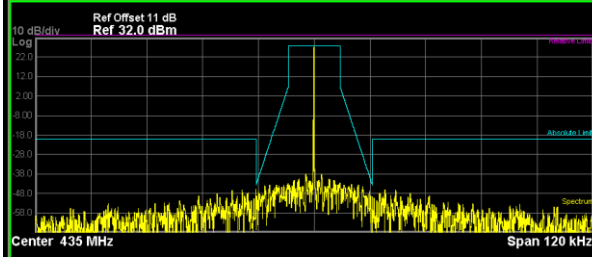
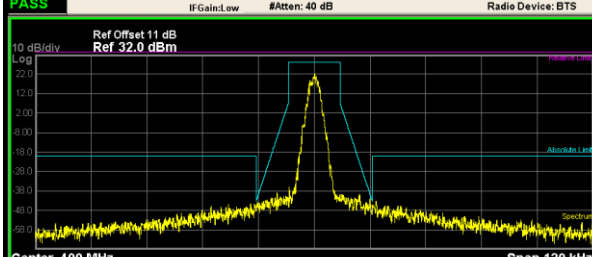
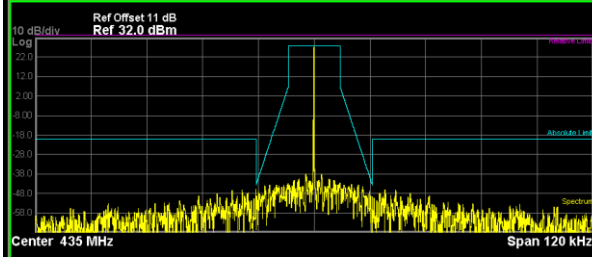
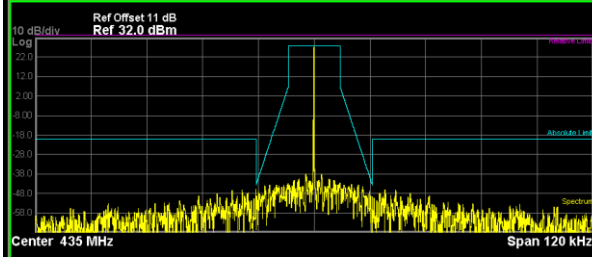
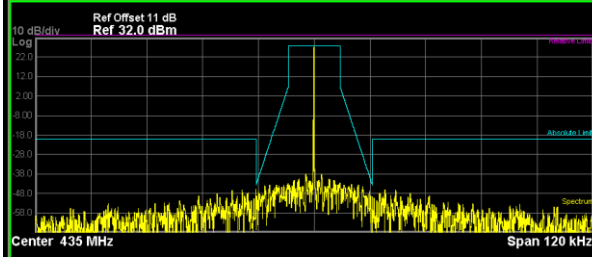
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 31.03 dBm Occupied Bandwidth 9.943 kHz Total Power 27.6 dBm Transmit Freq Error -73 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANL	FM	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 31.98 dBm Occupied Bandwidth 9.935 kHz Total Power 28.4 dBm Transmit Freq Error -3 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 30.73 dBm Occupied Bandwidth 9.936 kHz Total Power 27.2 dBm Transmit Freq Error -7 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE PULSE ALIGN AUTO 02:12:20 PM May 19, 2025 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 14 dB Ref 35.0 dBm  Center 435 MHz Span 120 kHz Total Power Ref 34.56 dBm @ 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>24.07</td><td>(-6.76)</td><td>-150.0</td><td>23.95</td><td>(-6.88)</td><td>800.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.62</td><td>(-3.02)</td><td>-12.50 k</td><td>-41.40</td><td>(-2.25)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.38</td><td>(-21.38)</td><td>-15.35 k</td><td>-41.60</td><td>(-21.60)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <Temp.png> saved STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-DNH</td><td>4FSK</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE PULSE ALIGN AUTO 02:23:19 PM May 19, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 14 dB Ref 35.0 dBm  Center 480 MHz Span 120 kHz Total Power Ref 30.58 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>30.36</td><td>(-0.75)</td><td>0.0</td><td>30.36</td><td>(-0.75)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.57</td><td>(-2.06)</td><td>-12.25 k</td><td>-40.91</td><td>(-2.40)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.77</td><td>(-24.77)</td><td>-12.90 k</td><td>-44.69</td><td>(-24.69)</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> File <MASK D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-DNH</td><td>4FSK</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE PULSE ALIGN AUTO 02:23:52 PM May 19, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 14 dB Ref 35.0 dBm  Center 480 MHz Span 120 kHz Total Power Ref 35.01 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>24.25</td><td>(-6.85)</td><td>-150.0</td><td>25.09</td><td>(-6.01)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.93</td><td>(-2.41)</td><td>-12.25 k</td><td>-42.62</td><td>(-2.29)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.29</td><td>(-21.29)</td><td>-12.95 k</td><td>-40.80</td><td>(-20.80)</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> File <Temp.png> saved STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz </td></tr></td></tr>	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	24.07	(-6.76)	-150.0	23.95	(-6.88)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.62	(-3.02)	-12.50 k	-41.40	(-2.25)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.38	(-21.38)	-15.35 k	-41.60	(-21.60)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - 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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE PULSE ALIGN AUTO 02:23:52 PM May 19, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 14 dB Ref 35.0 dBm  Center 480 MHz Span 120 kHz Total Power Ref 35.01 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>24.25</td><td>(-6.85)</td><td>-150.0</td><td>25.09</td><td>(-6.01)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.93</td><td>(-2.41)</td><td>-12.25 k</td><td>-42.62</td><td>(-2.29)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.29</td><td>(-21.29)</td><td>-12.95 k</td><td>-40.80</td><td>(-20.80)</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> 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	24.25	(-6.85)	-150.0	25.09	(-6.01)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.93	(-2.41)	-12.25 k	-42.62	(-2.29)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.29	(-21.29)	-12.95 k	-40.80	(-20.80)	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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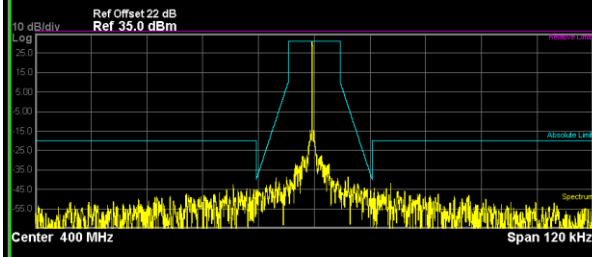
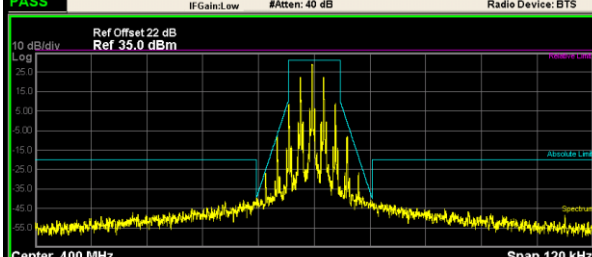
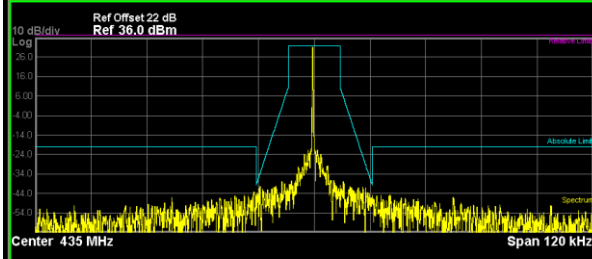
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE PULSE ALIGN AUTO 02:28:45 PM May 19, 2025 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 32.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 27.50 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>27.37</td><td>(-0.75)</td><td>0.0</td><td>27.37</td><td>(-0.75)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.82</td><td>(-4.23)</td><td>-12.40 k</td><td>-47.14</td><td>(-4.55)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.21</td><td>(-25.21)</td><td>-15.20 k</td><td>-45.18</td><td>(-25.18)</td><td>15.20 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> File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-DNL</td><td>4FSK</td><td>CH_L</td><td> Agilent Spectrum Analyzer - 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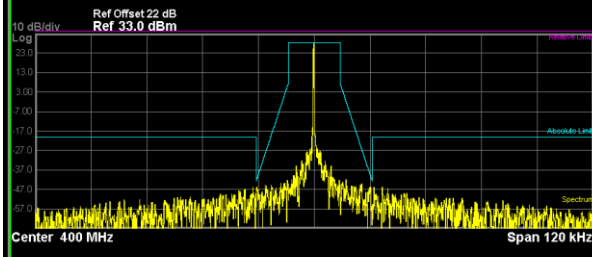
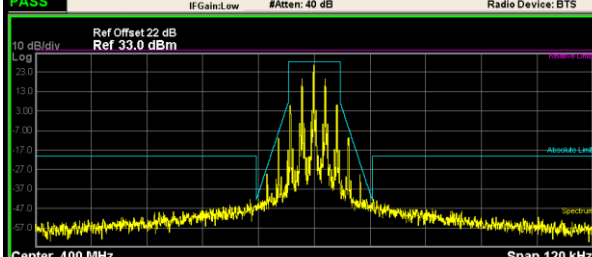
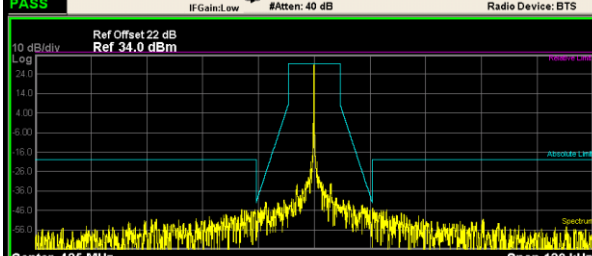
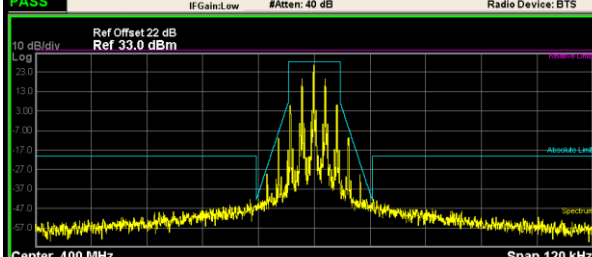
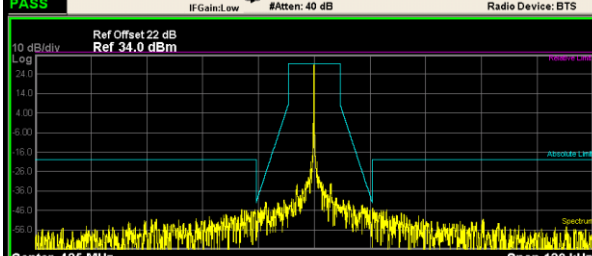
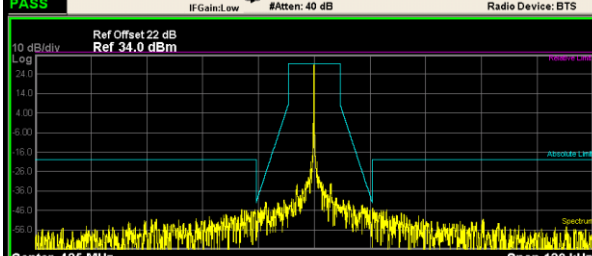
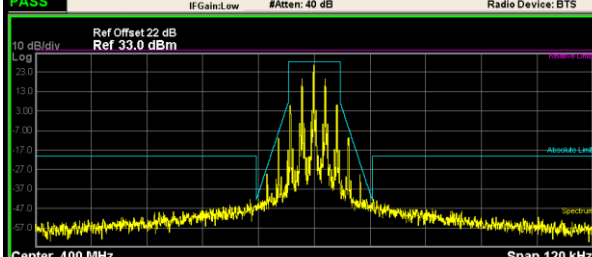
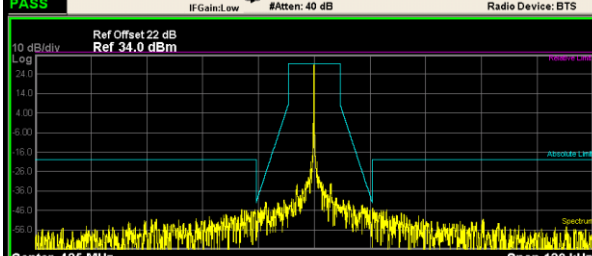
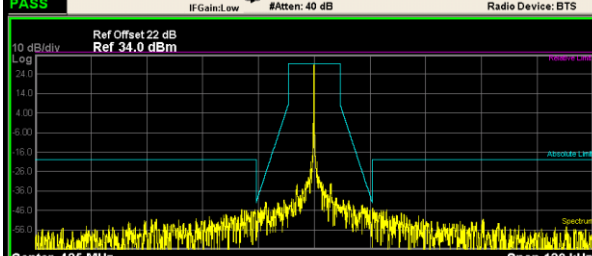
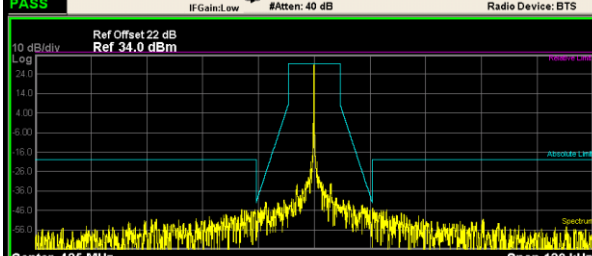
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 11 dB Ref 32.0 dBm 10 dB/div Log Center 480 MHz Span 120 kHz Total Power Ref 31.96 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>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>21.24</td><td>(-6.86)</td><td>450.0</td><td>21.49</td><td>(-6.62)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.95</td><td>(-0.61)</td><td>-12.50 k</td><td>-46.02</td><td>(-3.05)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.55</td><td>(-24.55)</td><td>-13.70 k</td><td>-42.75</td><td>(-22.75)</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> 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.24	(-6.86)	450.0	21.49	(-6.62)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.95	(-0.61)	-12.50 k	-46.02	(-3.05)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.55	(-24.55)	-13.70 k	-42.75	(-22.75)	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 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 FS AC SENSE PULSE ALIGN AUTO 106:42:38 PM May 13, 2025 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 35.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 30.51 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>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>30.60</td><td>(-0.68)</td><td>400.0</td><td>-18.66</td><td>(-49.95)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.32</td><td>(-7.35)</td><td>-12.20 k</td><td>-45.65</td><td>(-77.68)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.44</td><td>(-22.44)</td><td>-17.30 k</td><td>-41.74</td><td>(-21.74)</td><td>16.50 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> MISC File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.60	(-0.68)	400.0	-18.66	(-49.95)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.32	(-7.35)	-12.20 k	-45.65	(-77.68)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.44	(-22.44)	-17.30 k	-41.74	(-21.74)	16.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF FS AC SENSE PULSE ALIGN AUTO 106:42:59 PM May 13, 2025 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 35.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 30.85 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>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>29.12</td><td>(-2.17)</td><td>400.0</td><td>22.25</td><td>(-9.03)</td><td>2.100 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.31</td><td>(-0.52)</td><td>-12.45 k</td><td>-40.62</td><td>(-1.55)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.87</td><td>(-20.87)</td><td>-15.15 k</td><td>-40.77</td><td>(-20.77)</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> MISC File <Temp.png> saved STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.12	(-2.17)	400.0	22.25	(-9.03)	2.100 k	5.625 kHz	12.50 kHz	100.0 Hz	-40.31	(-0.52)	-12.45 k	-40.62	(-1.55)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.87	(-20.87)	-15.15 k	-40.77	(-20.77)	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF FS AC SENSE PULSE ALIGN AUTO 106:52:24 PM May 13, 2025 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm  Center 435 MHz Span 120 kHz Total Power Ref 31.40 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>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>31.11</td><td>(-0.49)</td><td>435.0</td><td>-19.12</td><td>(-50.72)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.35</td><td>(-6.24)</td><td>-12.40 k</td><td>-46.97</td><td>(-7.14)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.15</td><td>(-23.15)</td><td>-12.95 k</td><td>-44.66</td><td>(-24.66)</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> MISC File <MASK D.state> recalled 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.11	(-0.49)	435.0	-19.12	(-50.72)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.35	(-6.24)	-12.40 k	-46.97	(-7.14)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.15	(-23.15)	-12.95 k	-44.66	(-24.66)	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	—	(—)	—	—	(—)	—
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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 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Ref Offset 22 dB Ref 33.0 dBm  Total Power Ref 28.38 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>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>28.03</td><td>(-0.56)</td><td>-100.0</td><td>21.35</td><td>(-7.23)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.95</td><td>(-4.55)</td><td>-12.30 k</td><td>-45.87</td><td>(-5.56)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.98</td><td>(-25.98)</td><td>-13.10 k</td><td>-45.75</td><td>(-25.75)</td><td>14.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Ref Offset 22 dB Ref 33.0 dBm  Total Power Ref 28.60 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>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>26.50</td><td>(-2.08)</td><td>-50.00</td><td>22.31</td><td>(-6.28)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.08</td><td>(-2.23)</td><td>-12.50 k</td><td>-44.23</td><td>(-2.11)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.39</td><td>(-22.39)</td><td>-13.70 k</td><td>-42.49</td><td>(-22.49)</td><td>12.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></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 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_M</td><td> Agilent Spectrum Analyzer - 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TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Ref Offset 22 dB Ref 34.0 dBm  Total Power Ref 28.79 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>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>28.72</td><td>(-0.78)</td><td>0.0</td><td>28.72</td><td>(-0.78)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-48.11</td><td>(-7.08)</td><td>-12.10 k</td><td>-45.87</td><td>(-7.21)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.51</td><td>(-25.51)</td><td>-15.60 k</td><td>-44.96</td><td>(-24.96)</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> 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.72	(-0.78)	0.0	28.72	(-0.78)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-48.11	(-7.08)	-12.10 k	-45.87	(-7.21)	12.05 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.51	(-25.51)	-15.60 k	-44.96	(-24.96)	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

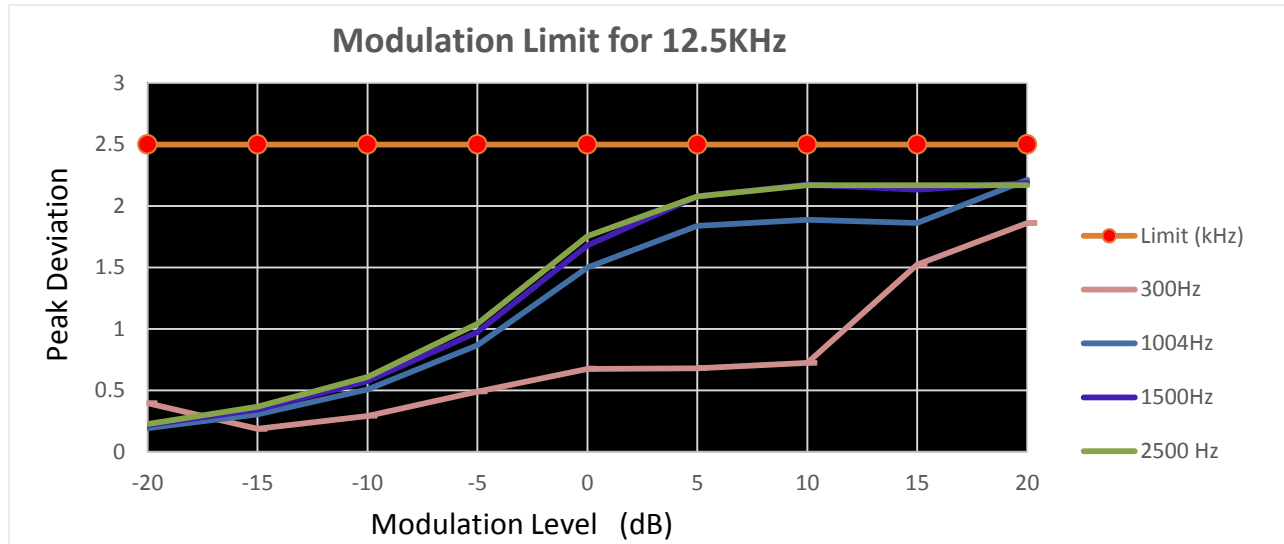
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																																										
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 07:01:49 PM May 13, 2025 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 34.0 dBm 10 dB/div Log 24.0 14.0 4.00 16.0 26.0 36.0 46.0 56.0 Center 435 MHz Span 120 kHz Total Power Ref 29.09 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.41</td><td>(-2.09)</td><td>0.0</td><td>27.41</td><td>(-2.09)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.57</td><td>(-0.64)</td><td>-12.50 k</td><td>-42.26</td><td>(-0.33)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.51</td><td>(-21.51)</td><td>-13.15 k</td><td>-42.56</td><td>(-22.56)</td><td>15.25 k</td><td>15.25 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 07:12:57 PM May 13, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 32.0 dBm 10 dB/div Log 22.0 12.0 2.00 18.0 28.0 38.0 48.0 58.0 Center 480 MHz Span 120 kHz Total Power Ref 27.28 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.26</td><td>(-0.88)</td><td>0.0</td><td>27.26</td><td>(-0.88)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.78</td><td>(-3.84)</td><td>-12.45 k</td><td>-46.66</td><td>(-3.35)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.12</td><td>(-25.12)</td><td>-13.35 k</td><td>-46.27</td><td>(-26.27)</td><td>13.40 k</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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <MASK D state> recalled STATUS Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 07:13:19 PM May 13, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 32.0 dBm 10 dB/div Log 22.0 12.0 2.00 18.0 28.0 38.0 48.0 58.0 Center 480 MHz Span 120 kHz Total Power Ref 27.83 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>25.85</td><td>(-2.28)</td><td>0.0</td><td>25.85</td><td>(-2.28)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.76</td><td>(-0.55)</td><td>-12.35 k</td><td>-42.67</td><td>(-1.91)</td><td>12.15 k</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.56</td><td>(-24.56)</td><td>-12.50 k</td><td>-42.90</td><td>(-22.90)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz </td></tr></td></tr>	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	27.41	(-2.09)	0.0	27.41	(-2.09)	0.0	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.57	(-0.64)	-12.50 k	-42.26	(-0.33)	12.50 k	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.51	(-21.51)	-13.15 k	-42.56	(-22.56)	15.25 k	15.25 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 150.0 AC SENSE: PULSE ALIGN: AUTO 07:12:57 PM May 13, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 32.0 dBm 10 dB/div Log 22.0 12.0 2.00 18.0 28.0 38.0 48.0 58.0 Center 480 MHz Span 120 kHz Total Power Ref 27.28 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.26</td><td>(-0.88)</td><td>0.0</td><td>27.26</td><td>(-0.88)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.78</td><td>(-3.84)</td><td>-12.45 k</td><td>-46.66</td><td>(-3.35)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.12</td><td>(-25.12)</td><td>-13.35 k</td><td>-46.27</td><td>(-26.27)</td><td>13.40 k</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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <MASK D state> recalled STATUS Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - 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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 07:12:57 PM May 13, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 32.0 dBm 10 dB/div Log 22.0 12.0 2.00 18.0 28.0 38.0 48.0 58.0 Center 480 MHz Span 120 kHz Total Power Ref 27.28 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.26</td><td>(-0.88)</td><td>0.0</td><td>27.26</td><td>(-0.88)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.78</td><td>(-3.84)</td><td>-12.45 k</td><td>-46.66</td><td>(-3.35)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.12</td><td>(-25.12)</td><td>-13.35 k</td><td>-46.27</td><td>(-26.27)</td><td>13.40 k</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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <MASK D state> recalled STATUS Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 07:13:19 PM May 13, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 32.0 dBm 10 dB/div Log 22.0 12.0 2.00 18.0 28.0 38.0 48.0 58.0 Center 480 MHz Span 120 kHz Total Power Ref 27.83 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>25.85</td><td>(-2.28)</td><td>0.0</td><td>25.85</td><td>(-2.28)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.76</td><td>(-0.55)</td><td>-12.35 k</td><td>-42.67</td><td>(-1.91)</td><td>12.15 k</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.56</td><td>(-24.56)</td><td>-12.50 k</td><td>-42.90</td><td>(-22.90)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz </td></tr>	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	27.26	(-0.88)	0.0	27.26	(-0.88)	0.0	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-46.78	(-3.84)	-12.45 k	-46.66	(-3.35)	12.50 k	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.12	(-25.12)	-13.35 k	-46.27	(-26.27)	13.40 k	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	—	(—)	—	—	(—)	—	—	TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 07:13:19 PM May 13, 2025 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 32.0 dBm 10 dB/div Log 22.0 12.0 2.00 18.0 28.0 38.0 48.0 58.0 Center 480 MHz Span 120 kHz Total Power Ref 27.83 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>25.85</td><td>(-2.28)</td><td>0.0</td><td>25.85</td><td>(-2.28)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.76</td><td>(-0.55)</td><td>-12.35 k</td><td>-42.67</td><td>(-1.91)</td><td>12.15 k</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.56</td><td>(-24.56)</td><td>-12.50 k</td><td>-42.90</td><td>(-22.90)</td><td>12.50 k</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 479.987500 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	25.85	(-2.28)	0.0	25.85	(-2.28)	0.0	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.76	(-0.55)	-12.35 k	-42.67	(-1.91)	12.15 k	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.56	(-24.56)	-12.50 k	-42.90	(-22.90)	12.50 k	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—																																																																										
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Appendix 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	0.395	0.192	0.218	0.227	2.5	PASS
TX-ANH	FM	CH _M	-15	0.188	0.304	0.344	0.367	2.5	PASS
TX-ANH	FM	CH _M	-10	0.293	0.509	0.577	0.609	2.5	PASS
TX-ANH	FM	CH _M	-5	0.491	0.866	0.975	1.041	2.5	PASS
TX-ANH	FM	CH _M	0	0.675	1.499	1.679	1.754	2.5	PASS
TX-ANH	FM	CH _M	5	0.680	1.839	2.078	2.076	2.5	PASS
TX-ANH	FM	CH _M	10	0.723	1.888	2.174	2.169	2.5	PASS
TX-ANH	FM	CH _M	15	1.524	1.862	2.133	2.167	2.5	PASS
TX-ANH	FM	CH _M	20	1.860	2.213	2.186	2.169	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

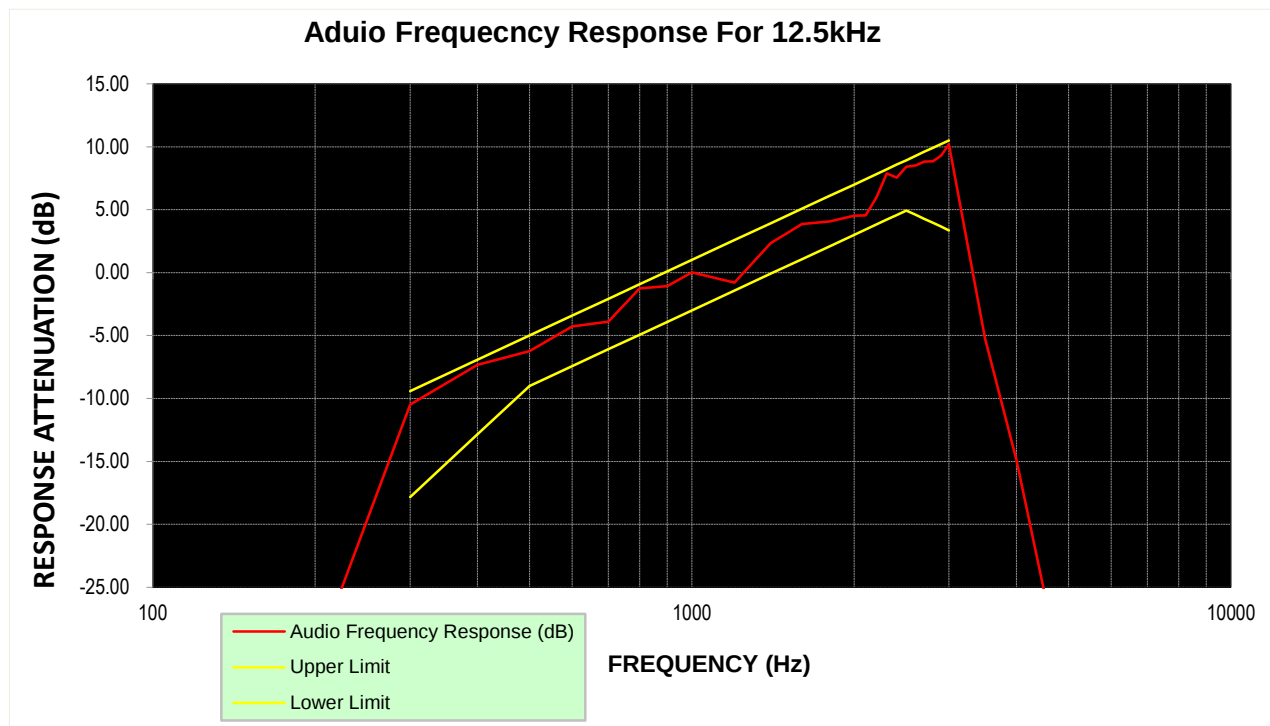


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-30.66			PASS
TX-ANH	FM	CH _M	200	-30.72			PASS
TX-ANH	FM	CH _M	300	-10.49	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-7.34	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-6.24	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-4.27	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-3.89	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-1.26	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-1.07	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	0.01	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	-0.80	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	2.34	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	3.85	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	4.07	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	4.52	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	4.56	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	6.00	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	7.89	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	7.54	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	8.41	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	8.51	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	8.81	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	8.85	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	9.31	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	10.19	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-5.26			PASS
TX-ANH	FM	CH _M	4000	-14.87			PASS
TX-ANH	FM	CH _M	4500	-25.27			PASS
TX-ANH	FM	CH _M	5000	-29.53			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



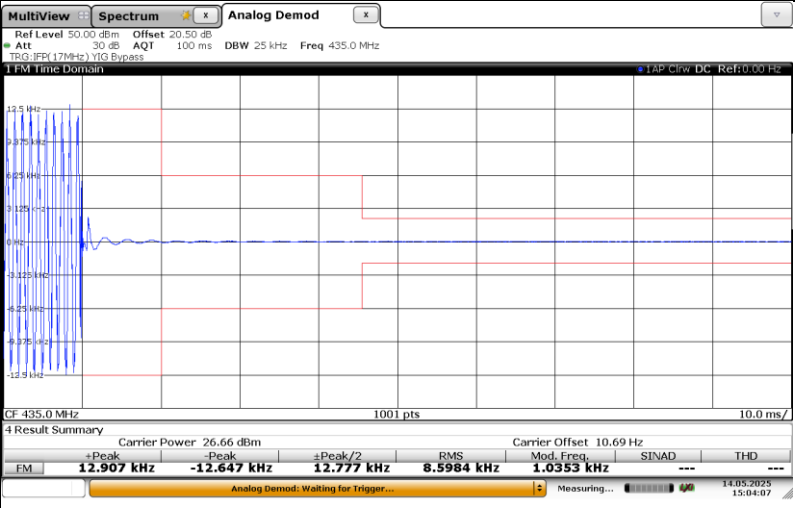
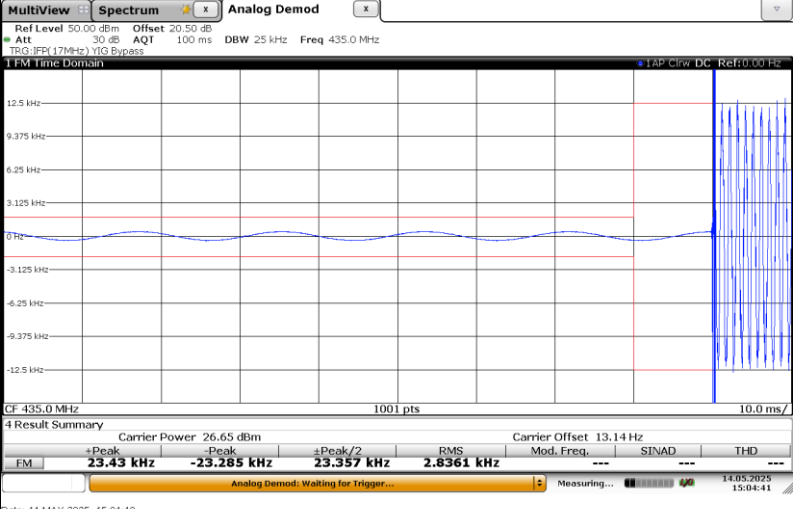
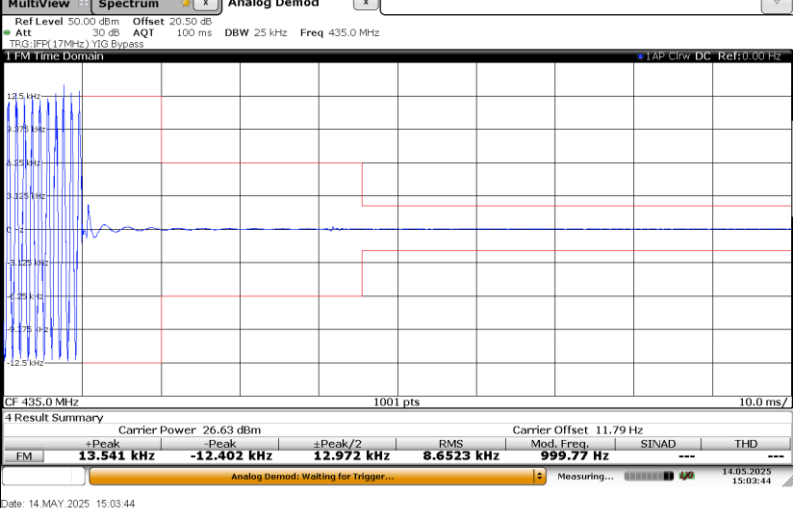
Appendix F:Frequency Stability Test & Temperature

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	-0.020	-0.205	-0.038	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.020	-0.204	-0.036	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.021	-0.203	-0.037	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.019	-0.189	-0.037	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.019	-0.193	-0.038	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.019	-0.188	-0.035	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.020	-0.198	-0.038	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.021	-0.198	-0.038	±5.0	PASS
TX-DNH	4FSK	V _N	50	-0.021	-0.194	-0.036	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.084	-0.134	-0.130	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.090	-0.136	-0.132	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.085	-0.127	-0.130	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.085	-0.126	-0.125	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.086	-0.126	-0.123	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.083	-0.126	-0.121	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.088	-0.129	-0.125	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.091	-0.128	-0.123	±5.0	PASS
TX-DNL	4FSK	V _N	50	-0.084	-0.139	-0.128	±5.0	PASS
TX-ANH	FM	V _N	-30	-0.012	-0.038	-0.043	±5.0	PASS
TX-ANH	FM	V _N	-20	-0.012	-0.037	-0.041	±5.0	PASS
TX-ANH	FM	V _N	-10	-0.012	-0.039	-0.043	±5.0	PASS
TX-ANH	FM	V _N	0	-0.011	-0.038	-0.043	±5.0	PASS
TX-ANH	FM	V _N	10	-0.011	-0.039	-0.039	±5.0	PASS
TX-ANH	FM	V _N	20	-0.011	-0.036	-0.039	±5.0	PASS
TX-ANH	FM	V _N	30	-0.011	-0.038	-0.039	±5.0	PASS
TX-ANH	FM	V _N	40	-0.011	-0.039	-0.043	±5.0	PASS
TX-ANH	FM	V _N	50	-0.012	-0.038	-0.041	±5.0	PASS
TX-ANL	FM	V _N	-30	0.010	-0.059	-0.036	±5.0	PASS
TX-ANL	FM	V _N	-20	0.010	-0.060	-0.037	±5.0	PASS
TX-ANL	FM	V _N	-10	0.009	-0.057	-0.037	±5.0	PASS
TX-ANL	FM	V _N	0	0.010	-0.056	-0.038	±5.0	PASS
TX-ANL	FM	V _N	10	0.010	-0.060	-0.038	±5.0	PASS
TX-ANL	FM	V _N	20	0.009	-0.055	-0.035	±5.0	PASS
TX-ANL	FM	V _N	30	0.009	-0.057	-0.039	±5.0	PASS
TX-ANL	FM	V _N	40	0.009	-0.056	-0.038	±5.0	PASS
TX-ANL	FM	V _N	50	0.010	-0.058	-0.035	±5.0	PASS

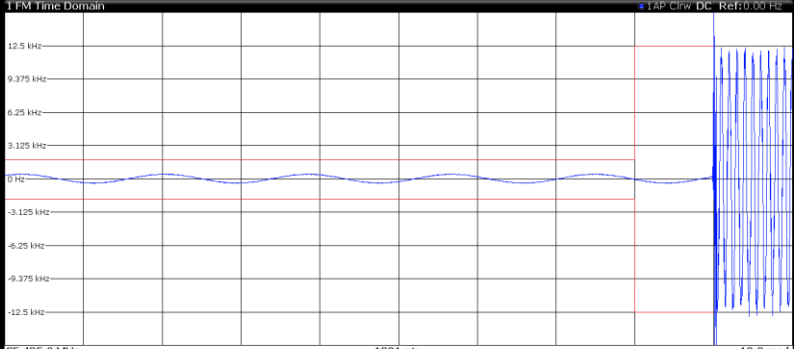
Appendix G:Frequency Stability Test & Voltage

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	-0.019	-0.188	-0.035	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.019	-0.189	-0.035	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.020	-0.195	-0.037	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.083	-0.126	-0.121	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.083	-0.128	-0.122	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.087	-0.132	-0.122	±5.0	PASS
TX-ANH	FM	V _N	T _N	-0.011	-0.036	-0.039	±5.0	PASS
TX-ANH	FM	V _L	T _N	-0.011	-0.037	-0.039	±5.0	PASS
TX-ANH	FM	V _H	T _N	-0.012	-0.038	-0.041	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.009	-0.055	-0.035	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.009	-0.056	-0.036	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.009	-0.058	-0.036	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	 OFF-ON
TX-DNH	4FSK	CH _M	 ON-OFF
TX-ANH	FM	CH _M	 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 dBm Offset 20.50 dB Att 30 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TAD: FPI (17MHz) VIG Bypass 1 FM Time Domain 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/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 26.66 dBm</td><td colspan="4">Carrier Offset 11.40 Hz</td></tr><tr><td>FM</td><td>+Peak 20.802 kHz</td><td>-Peak -31.836 kHz</td><td>+Peak/2 26.319 kHz</td><td>RMS 2.8546 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 14.05.2025 15:04:55 Date: 14 MAY 2025 15:04:55	Carrier Power 26.66 dBm				Carrier Offset 11.40 Hz				FM	+Peak 20.802 kHz	-Peak -31.836 kHz	+Peak/2 26.319 kHz	RMS 2.8546 kHz	Mod. Freq.	SINAD	THD
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			ON-OFF																

ON-OFF

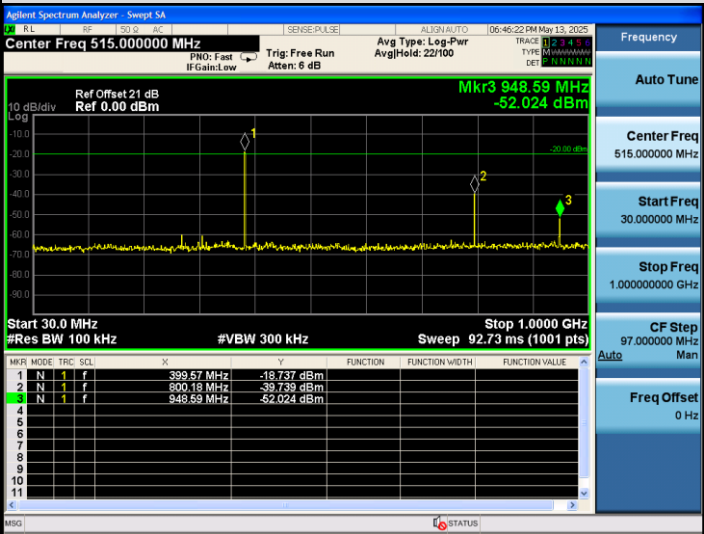
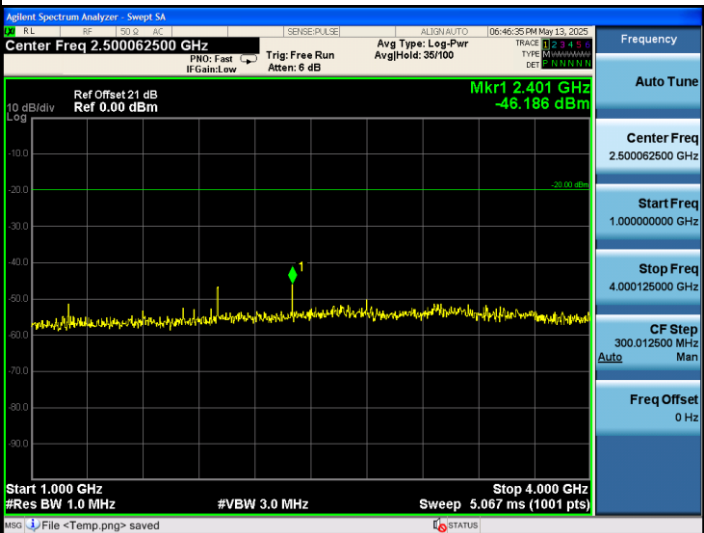
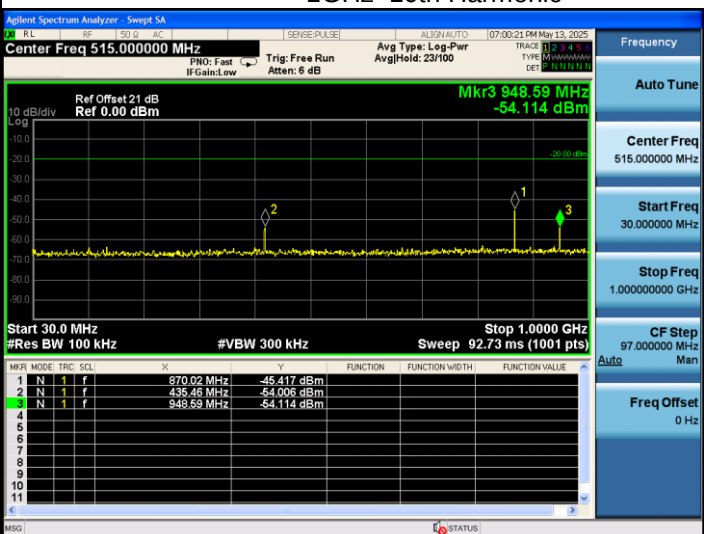
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																																																																																																																																																												
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - 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 #VBW 300 kHz Sweep 92.73 ms (1001 pts) Mkr3 948.59 MHz -53.829 dBm <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>-18.620 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>800.13 MHz</td><td>-39.643 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>948.59 MHz</td><td>-53.829 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> 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 Man Freq Offset 0 Hz <tr><td>TX-DNH</td><td>4FSK</td><td>CH_L</td><td> Agilent Spectrum Analyzer - 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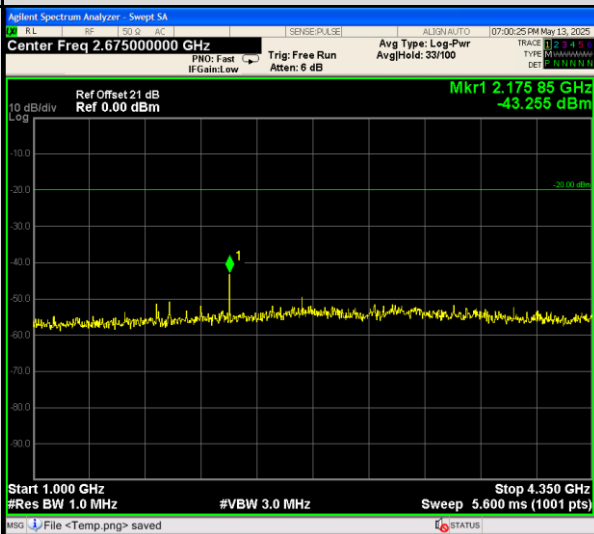
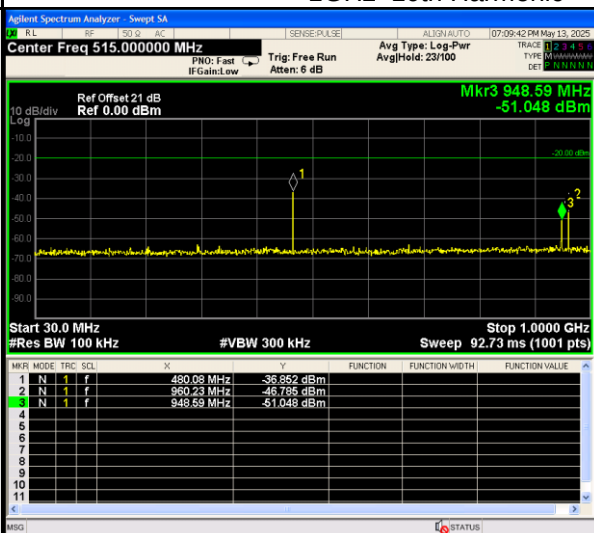
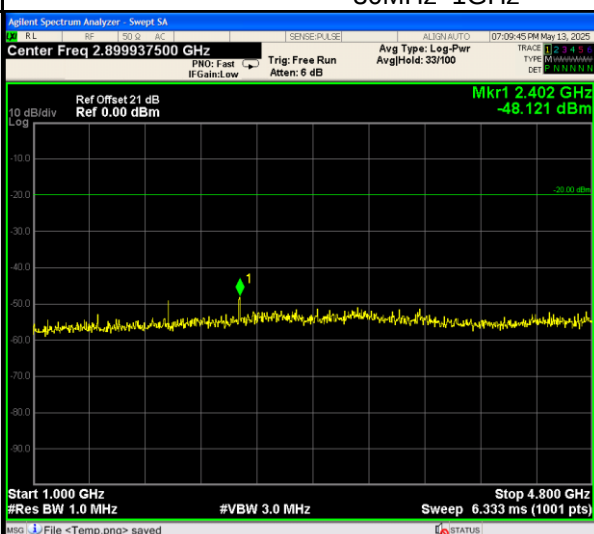
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.675000000 GHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts) Mkr1 2.175 85 GHz -43.518 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts) 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 336.000000 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	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) Mkr3 948.59 MHz -56.978 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) 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 - Sweep SA Center Freq 2.899937500 GHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.333 ms (1001 pts) Mkr1 2.402 GHz -48.018 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.333 ms (1001 pts) File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 2.899937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.799875000 GHz CF Step 379.987500 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	 30MHz~1GHz
TX-ANH	FM	CH _L	 1GHz~10th Harmonic
TX-ANH	FM	CH _M	 30MHz~1GHz

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-ANH	FM	CH _M		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-ANH	FM	CH _H		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-ANH	FM	CH _H		Frequency Auto Tune Center Freq 2.899937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.799875000 GHz CF Step 379.987500 MHz Auto Man Freq Offset 0 Hz
			1GHz~10th Harmonic	