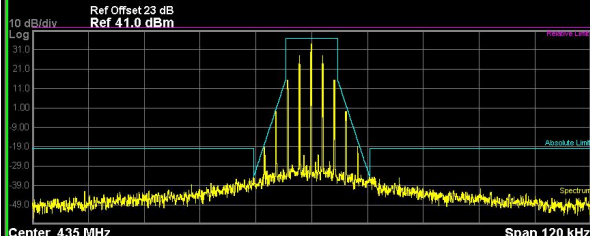
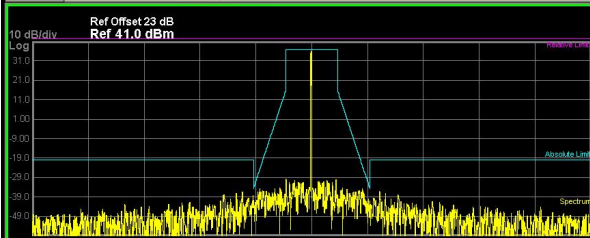
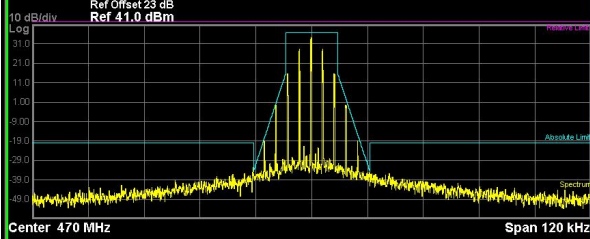


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 11:02:24 AM Aug 19, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 0.90 19.0 9.0 29.0 39.0 49.0  Center 435 MHz Span 120 kHz Total Power Ref 36.10 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.04</td><td>(-2.57)</td><td>-50.00</td><td>29.60</td><td>(-7.01)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.44</td><td>(-0.61)</td><td>-12.50 k</td><td>-34.85</td><td>(-0.39)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.99</td><td>(-14.99)</td><td>-12.60 k</td><td>-34.70</td><td>(-14.70)</td><td>13.05 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></table> MSO File <Temp.png> saved 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 > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.04	(-2.57)	-50.00	29.60	(-7.01)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.44	(-0.61)	-12.50 k	-34.85	(-0.39)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.99	(-14.99)	-12.60 k	-34.70	(-14.70)	13.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 11:05:26 AM Aug 19, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 0.90 19.0 9.0 29.0 39.0 49.0  Center 470 MHz Span 120 kHz Total Power Ref 36.18 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.15</td><td>(-0.67)</td><td>-100.0</td><td>25.38</td><td>(-11.44)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.65</td><td>(-6.78)</td><td>-12.40 k</td><td>-40.97</td><td>(-6.36)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.46</td><td>(-16.46)</td><td>-14.80 k</td><td>-36.05</td><td>(-16.05)</td><td>14.60 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></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.15	(-0.67)	-100.0	25.38	(-11.44)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.65	(-6.78)	-12.40 k	-40.97	(-6.36)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.46	(-16.46)	-14.80 k	-36.05	(-16.05)	14.60 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	—	(—)	—	—	(—)	—
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-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 11:06:48 AM Aug 19, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 0.90 19.0 9.0 29.0 39.0 49.0  Center 470 MHz Span 120 kHz Total Power Ref 36.18 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.31</td><td>(-2.52)</td><td>-100.0</td><td>28.29</td><td>(-8.53)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-0.542</td><td>(-1.55)</td><td>-7.600 k</td><td>-35.20</td><td>(-0.95)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.48</td><td>(-12.48)</td><td>-12.60 k</td><td>-35.82</td><td>(-15.82)</td><td>13.00 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></table> MSO File <Temp.png> saved STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.31	(-2.52)	-100.0	28.29	(-8.53)	2.400 k	5.625 kHz	12.50 kHz	100.0 Hz	-0.542	(-1.55)	-7.600 k	-35.20	(-0.95)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.48	(-12.48)	-12.60 k	-35.82	(-15.82)	13.00 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 > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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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 Q AC SENSE:PULSE ALIGN:AUTO 10:51:27 AM Aug 19, 2024 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 13 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 400 MHz Span 120 kHz Total Power Ref 26.43 dBm @ 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.43</td><td>(-1.26)</td><td>-50.00</td><td>25.92</td><td>(-1.77)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-49.29</td><td>(-5.54)</td><td>-12.50 k</td><td>-49.56</td><td>(-6.54)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.33</td><td>(-26.33)</td><td>-18.35 k</td><td>-46.12</td><td>(-26.12)</td><td>18.25 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></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 > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.43	(-1.26)	-50.00	25.92	(-1.77)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-49.29	(-5.54)	-12.50 k	-49.56	(-6.54)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.33	(-26.33)	-18.35 k	-46.12	(-26.12)	18.25 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	—	(—)	—	—	(—)	—
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-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE:PULSE ALIGN:AUTO 10:51:48 AM Aug 19, 2024 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 13 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 400 MHz Span 120 kHz Total Power Ref 26.44 dBm @ 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>24.61</td><td>(-3.08)</td><td>-50.00</td><td>24.04</td><td>(-3.65)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.61</td><td>(-1.86)</td><td>-12.50 k</td><td>-44.11</td><td>(-0.36)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.40</td><td>(-23.40)</td><td>-12.80 k</td><td>-44.62</td><td>(-24.62)</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> 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 > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	24.61	(-3.08)	-50.00	24.04	(-3.65)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.61	(-1.86)	-12.50 k	-44.11	(-0.36)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.40	(-23.40)	-12.80 k	-44.62	(-24.62)	15.20 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)																																																										
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TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE:PULSE ALIGN:AUTO 10:55:12 AM Aug 19, 2024 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 13 dB Ref 31.0 dBm 10 dB/div Log 21.0 11.0 1.00 19.0 29.0 39.0 49.0 59.0 Center 435 MHz Span 120 kHz Total Power Ref 25.85 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>< 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>25.83</td><td>(-1.27)</td><td>-50.00</td><td>24.15</td><td>(-2.95)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-49.45</td><td>(-6.20)</td><td>-12.35 k</td><td>-50.08</td><td>(-7.56)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.89</td><td>(-25.89)</td><td>-15.35 k</td><td>-45.81</td><td>(-25.81)</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></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 > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.83	(-1.27)	-50.00	24.15	(-2.95)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-49.45	(-6.20)	-12.35 k	-50.08	(-7.56)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.89	(-25.89)	-15.35 k	-45.81	(-25.81)	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	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

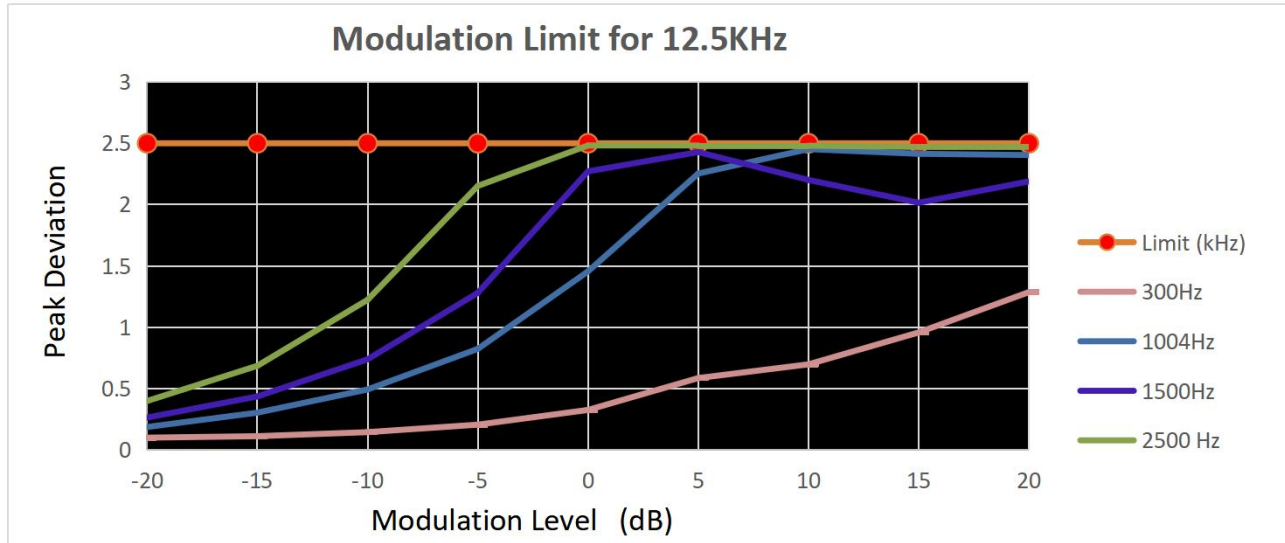
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 10:55:34 AM Aug 19, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS PASS Ref Offset 13 dB Ref 31.0 dBm 10 dB/div Log 21.0 11.0 1.00 9.00 19.0 29.0 39.0 49.0 59.0 Center 435 MHz Span 120 kHz Total Power Ref 25.87 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>24.03</td><td>(-3.08)</td><td>-50.00</td><td>22.23</td><td>(-4.87)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.89</td><td>(-0.55)</td><td>-12.50 k</td><td>-45.61</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>-43.93</td><td>(-23.93)</td><td>-12.55 k</td><td>-45.82</td><td>(-25.82)</td><td>13.15 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 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	24.03	(-3.08)	-50.00	22.23	(-4.87)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.89	(-0.55)	-12.50 k	-45.61	(-1.28)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.93	(-23.93)	-12.55 k	-45.82	(-25.82)	13.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 10:57:29 AM Aug 19, 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 PASS Ref Offset 13 dB Ref 31.0 dBm 10 dB/div Log 21.0 11.0 1.00 9.00 19.0 29.0 39.0 49.0 59.0 Center 470 MHz Span 120 kHz Total Power Ref 26.33 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.19</td><td>(-1.20)</td><td>-50.00</td><td>22.21</td><td>(-5.17)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.70</td><td>(-4.92)</td><td>-12.05 k</td><td>-45.96</td><td>(-5.90)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.54</td><td>(-26.54)</td><td>-14.60 k</td><td>-46.66</td><td>(-26.66)</td><td>14.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.19	(-1.20)	-50.00	22.21	(-5.17)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.70	(-4.92)	-12.05 k	-45.96	(-5.90)	11.95 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.54	(-26.54)	-14.60 k	-46.66	(-26.66)	14.45 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 10:58:01 AM Aug 19, 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 PASS Ref Offset 13 dB Ref 31.0 dBm 10 dB/div Log 21.0 11.0 1.00 9.00 19.0 29.0 39.0 49.0 59.0 Center 470 MHz Span 120 kHz Total Power Ref 26.36 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>24.35</td><td>(-3.04)</td><td>-100.0</td><td>20.15</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>-44.46</td><td>(-0.40)</td><td>-12.50 k</td><td>-44.90</td><td>(-1.21)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.35</td><td>(-24.35)</td><td>-13.50 k</td><td>-44.44</td><td>(-24.44)</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 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	24.35	(-3.04)	-100.0	20.15	(-7.23)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.46	(-0.40)	-12.50 k	-44.90	(-1.21)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.35	(-24.35)	-13.50 k	-44.44	(-24.44)	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	—	(—)	—	—	(—)	—
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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	0.099	0.186	0.263	0.398	2.5	PASS
TX-ANH	FM	CH _M	-15	0.111	0.303	0.435	0.685	2.5	PASS
TX-ANH	FM	CH _M	-10	0.144	0.492	0.738	1.223	2.5	PASS
TX-ANH	FM	CH _M	-5	0.205	0.823	1.280	2.152	2.5	PASS
TX-ANH	FM	CH _M	0	0.325	1.455	2.271	2.482	2.5	PASS
TX-ANH	FM	CH _M	5	0.585	2.253	2.428	2.477	2.5	PASS
TX-ANH	FM	CH _M	10	0.697	2.452	2.201	2.480	2.5	PASS
TX-ANH	FM	CH _M	15	0.957	2.414	2.015	2.470	2.5	PASS
TX-ANH	FM	CH _M	20	1.286	2.404	2.189	2.475	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

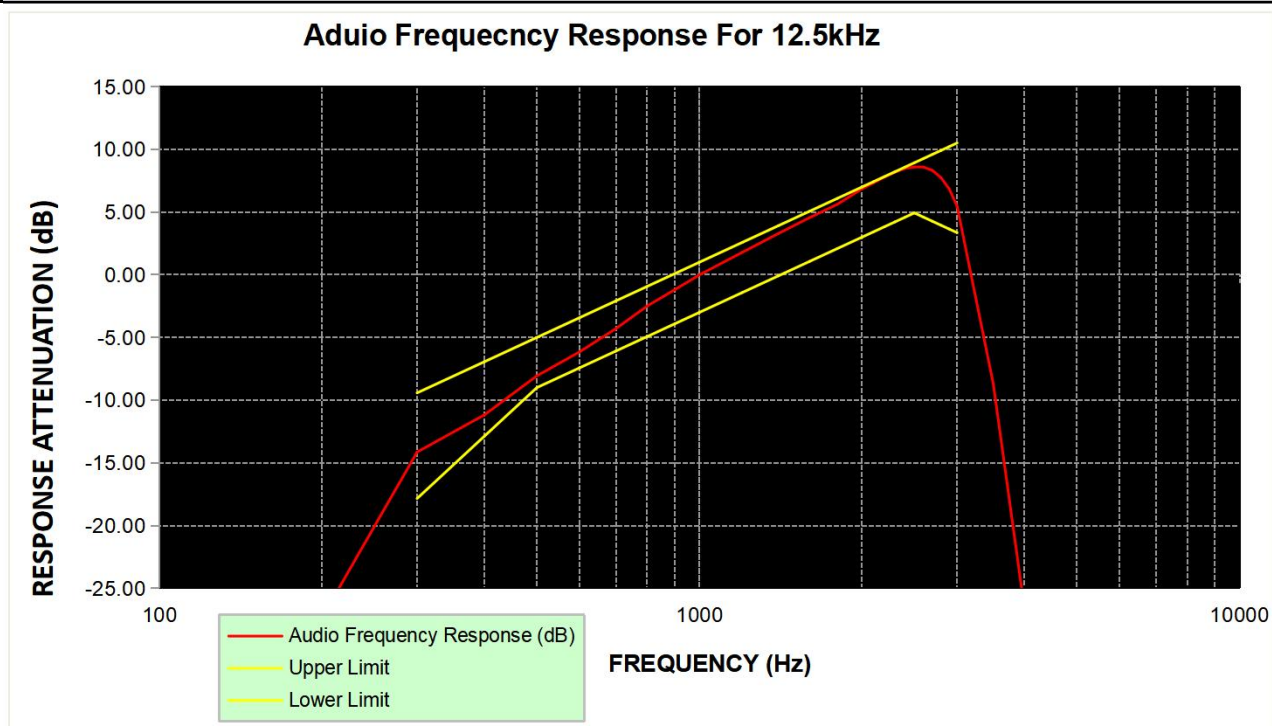


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-27.23			PASS
TX-ANH	FM	CH _M	200	-27.35			PASS
TX-ANH	FM	CH _M	300	-14.14	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-11.17	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-8.06	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-6.15	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-4.30	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-2.50	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-1.19	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	-0.01	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.79	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	3.29	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	4.56	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	5.62	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	6.86	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	7.32	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	7.79	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	8.17	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	8.48	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	8.60	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	8.58	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	8.32	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	7.75	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	6.86	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	5.46	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-8.69			PASS
TX-ANH	FM	CH _M	4000	-26.72			PASS
TX-ANH	FM	CH _M	4500	-26.65			PASS
TX-ANH	FM	CH _M	5000	-26.45			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	0.033	0.072	0.059	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.032	0.071	0.059	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.034	0.074	0.060	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.034	0.069	0.060	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.034	0.075	0.060	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.032	0.069	0.058	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.034	0.075	0.062	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.034	0.074	0.059	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.034	0.074	0.064	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.047	0.049	0.041	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.045	0.047	0.042	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.048	0.050	0.041	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.047	0.050	0.041	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.046	0.048	0.042	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.044	0.046	0.039	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.045	0.050	0.039	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.044	0.048	0.042	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.048	0.048	0.040	±5.0	PASS
TX-ANH	FM	V _N	-30	0.444	0.475	0.045	±5.0	PASS
TX-ANH	FM	V _N	-20	0.442	0.450	0.045	±5.0	PASS
TX-ANH	FM	V _N	-10	0.472	0.445	0.044	±5.0	PASS
TX-ANH	FM	V _N	0	0.451	0.479	0.043	±5.0	PASS
TX-ANH	FM	V _N	10	0.452	0.476	0.044	±5.0	PASS
TX-ANH	FM	V _N	20	0.432	0.438	0.042	±5.0	PASS
TX-ANH	FM	V _N	30	0.435	0.474	0.044	±5.0	PASS
TX-ANH	FM	V _N	40	0.448	0.446	0.044	±5.0	PASS
TX-ANH	FM	V _N	50	0.473	0.439	0.046	±5.0	PASS
TX-ANL	FM	V _N	-30	0.013	0.048	0.053	±5.0	PASS
TX-ANL	FM	V _N	-20	0.013	0.048	0.051	±5.0	PASS
TX-ANL	FM	V _N	-10	0.012	0.050	0.054	±5.0	PASS
TX-ANL	FM	V _N	0	0.012	0.048	0.050	±5.0	PASS
TX-ANL	FM	V _N	10	0.013	0.050	0.053	±5.0	PASS
TX-ANL	FM	V _N	20	0.012	0.046	0.049	±5.0	PASS
TX-ANL	FM	V _N	30	0.012	0.050	0.052	±5.0	PASS
TX-ANL	FM	V _N	40	0.012	0.049	0.053	±5.0	PASS
TX-ANL	FM	V _N	50	0.013	0.049	0.052	±5.0	PASS

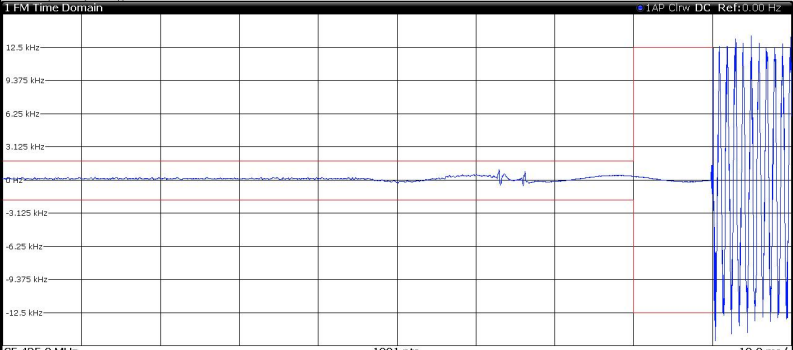
Appendix G:Frequency Stability Test & Voltage

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	0.032	0.069	0.058	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.032	0.070	0.059	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.034	0.072	0.061	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.044	0.046	0.039	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.044	0.047	0.039	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.046	0.047	0.040	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.432	0.438	0.042	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.432	0.438	0.043	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.438	0.447	0.044	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.012	0.046	0.049	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.012	0.046	0.050	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.012	0.048	0.049	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

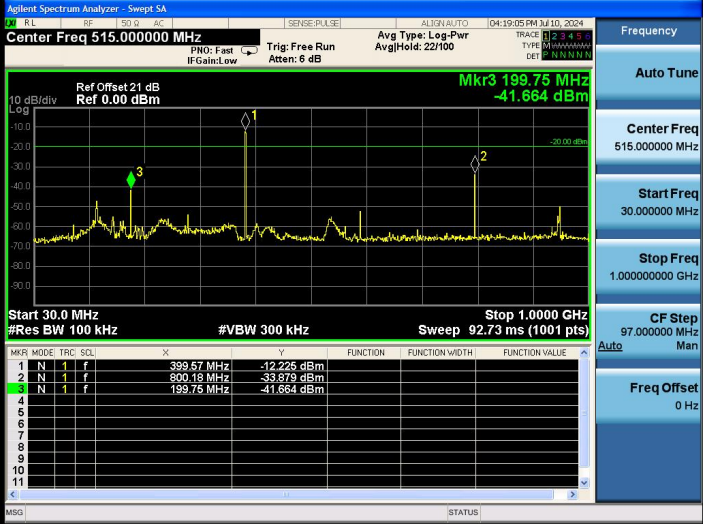
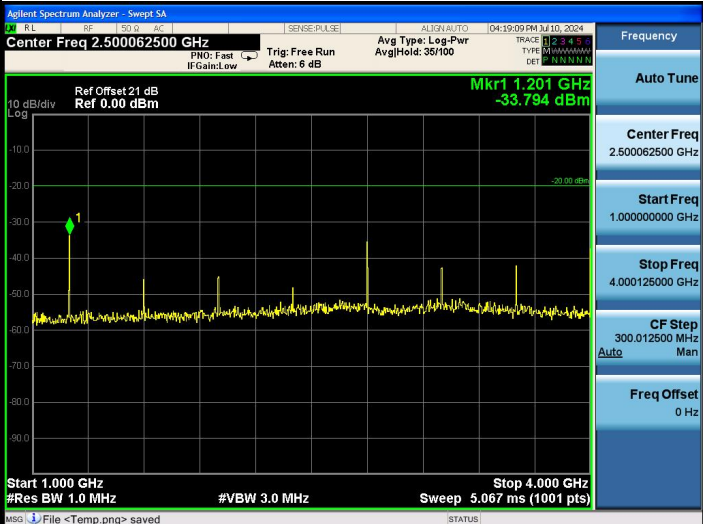
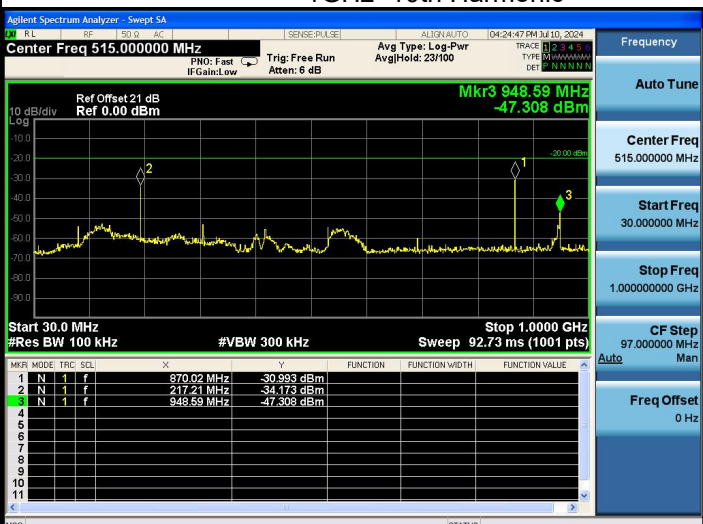
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFR(17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 31.59 dBm</td><td colspan="4">Carrier Offset 105.09 Hz</td></tr><tr><td>FM</td><td>+Peak 21.753 kHz</td><td>-Peak -21.944 kHz</td><td>+Peak/2 21.848 kHz</td><td>RMS 2.8011 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 10.07.2024 12:42:22 Date: 10 JUL 2024 12:42:21 OFF~ON	Carrier Power 31.59 dBm				Carrier Offset 105.09 Hz				FM	+Peak 21.753 kHz	-Peak -21.944 kHz	+Peak/2 21.848 kHz	RMS 2.8011 kHz	Mod. Freq.	SINAD	THD
Carrier Power 31.59 dBm				Carrier Offset 105.09 Hz															
FM	+Peak 21.753 kHz	-Peak -21.944 kHz	+Peak/2 21.848 kHz	RMS 2.8011 kHz	Mod. Freq.	SINAD	THD												
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFR(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 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 31.56 dBm</td><td colspan="4">Carrier Offset 90.20 Hz</td></tr><tr><td>FM</td><td>+Peak 15.343 kHz</td><td>-Peak -13.875 kHz</td><td>+Peak/2 14.609 kHz</td><td>RMS 8.7977 kHz</td><td>Mod. Freq. 1.0058 kHz</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 10.07.2024 12:43:41 Date: 10 JUL 2024 12:43:40 ON-OFF	Carrier Power 31.56 dBm				Carrier Offset 90.20 Hz				FM	+Peak 15.343 kHz	-Peak -13.875 kHz	+Peak/2 14.609 kHz	RMS 8.7977 kHz	Mod. Freq. 1.0058 kHz	SINAD	THD
Carrier Power 31.56 dBm				Carrier Offset 90.20 Hz															
FM	+Peak 15.343 kHz	-Peak -13.875 kHz	+Peak/2 14.609 kHz	RMS 8.7977 kHz	Mod. Freq. 1.0058 kHz	SINAD	THD												
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFR(17MHz) YIG Bypass 1 FM Time Domain 14.375 kHz 11.25 kHz 8.125 kHz 5 kHz 1.875 kHz -1.875 kHz -5 kHz -8.125 kHz -11.25 kHz -14.375 kHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="4">Carrier Power 31.63 dBm</td><td colspan="4">Carrier Offset 107.58 Hz</td></tr><tr><td>FM</td><td>+Peak 13.886 kHz</td><td>-Peak -23.776 kHz</td><td>+Peak/2 18.831 kHz</td><td>RMS 2.8057 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 10.07.2024 12:43:01 Date: 10 JUL 2024 12:43:01 OFF~ON	Carrier Power 31.63 dBm				Carrier Offset 107.58 Hz				FM	+Peak 13.886 kHz	-Peak -23.776 kHz	+Peak/2 18.831 kHz	RMS 2.8057 kHz	Mod. Freq.	SINAD	THD
Carrier Power 31.63 dBm				Carrier Offset 107.58 Hz															
FM	+Peak 13.886 kHz	-Peak -23.776 kHz	+Peak/2 18.831 kHz	RMS 2.8057 kHz	Mod. Freq.	SINAD	THD												

Appendix H:Transmitter Frequency Behavior

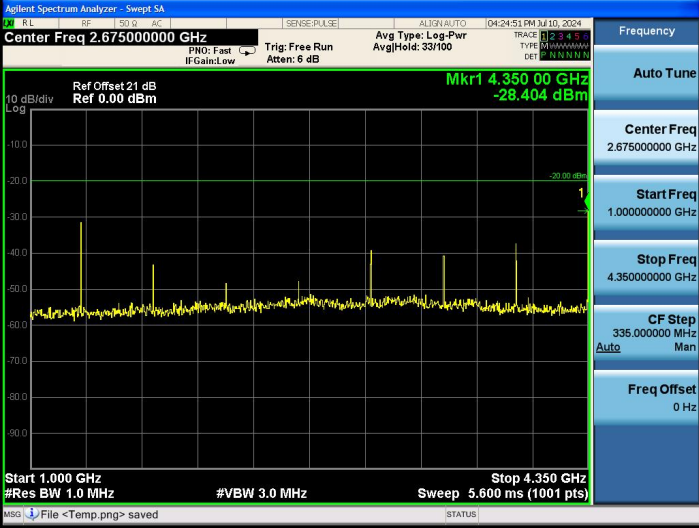
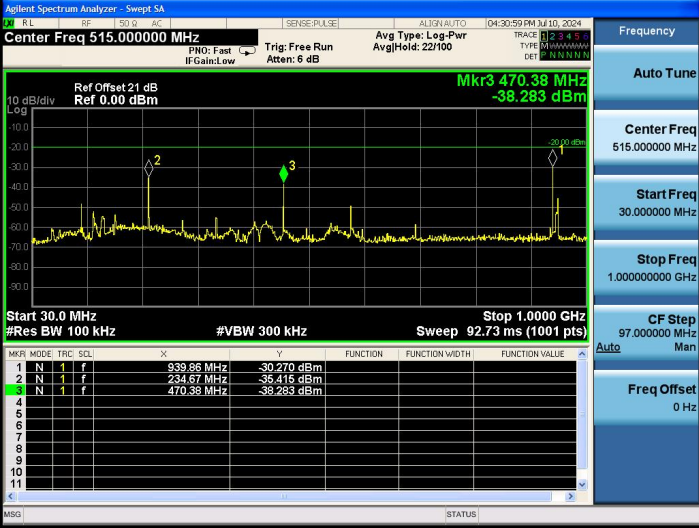
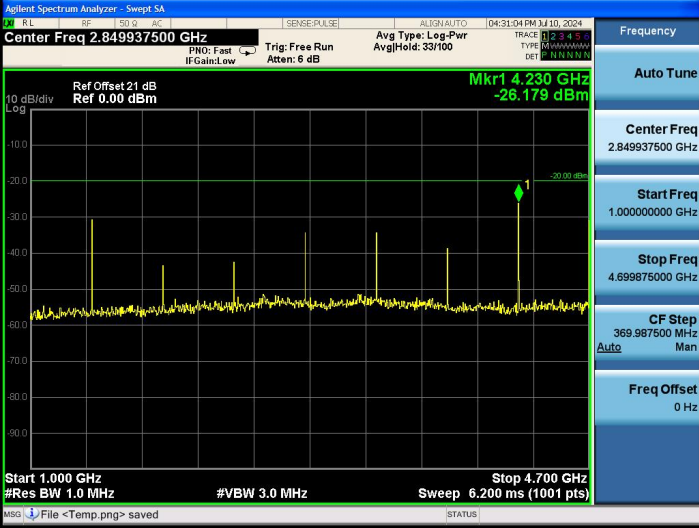
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRIG: (FEX 17MHz) 100 Bypass 1 FM Time Domain1AP Dirw DC Ref:0.00 Hz  CF 435.0 MHz1001 pts10.0 ms/ 4 Result Summary <table><thead><tr><th></th><th>+Peak</th><th>-Peak</th><th>+Peak/2</th><th>RMS</th><th>Mod. Freq.</th><th>SINAD</th><th>THD</th></tr></thead><tbody><tr><td>FM</td><td>13.595 kHz</td><td>-15.156 kHz</td><td>14.376 kHz</td><td>8.7497 kHz</td><td>1.0423 kHz</td><td>---</td><td>---</td></tr></tbody></table> Analog Demod: Waiting for Trigger...Measuring...10.07.2024 12:43:58 Date: 10 JUL 2024 12:43:58		+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	13.595 kHz	-15.156 kHz	14.376 kHz	8.7497 kHz	1.0423 kHz	---	---
				+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD									
FM	13.595 kHz	-15.156 kHz	14.376 kHz	8.7497 kHz	1.0423 kHz	---	---												
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	 30MHz~1GHz
TX-DNH	4FSK	CH _L	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _M	 30MHz~1GHz

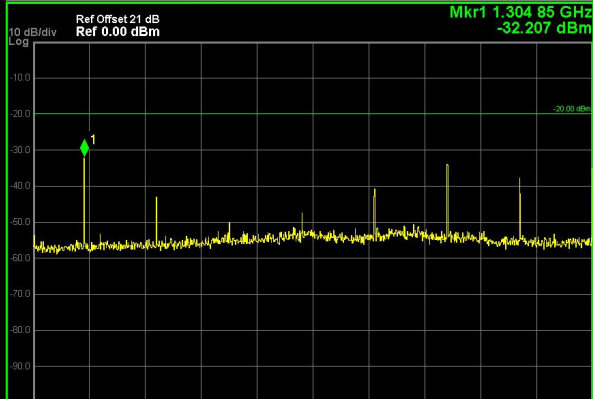
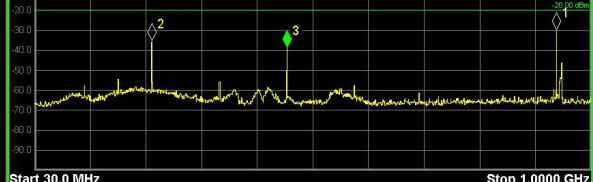
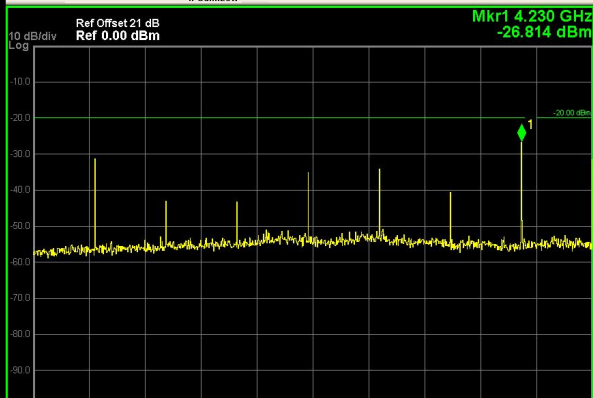
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.675000000 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 4.350 00 GHz -28.404 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts) Stop 4.350 GHz 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Swept SA Center Freq 515.0000000 MHz Ref Offset 21 dB Ref 0.00 dBm Mkr3 470.38 MHz -38.283 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Stop 1.000 GHz 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 4.230 GHz -26.179 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.200 ms (1001 pts) Stop 4.700 GHz 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 Mkr3 199.75 MHz -40.941 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) <table><thead><tr><th>MFR 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></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>399.57 MHz</td><td>-12.446 dBm</td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>800.18 MHz</td><td>-35.132 dBm</td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>199.75 MHz</td><td>-40.941 dBm</td><td></td><td></td></tr><tr><td>4</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></tr><tr><td>6</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></tr><tr><td>8</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></tr><tr><td>10</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></tr></tbody></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 Freq Offset 0 Hz 30MHz~1GHz	MFR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	399.57 MHz	-12.446 dBm			2	N	1	f	800.18 MHz	-35.132 dBm			3	N	1	f	199.75 MHz	-40.941 dBm			4								5								6								7								8								9								10								11							
MFR 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 Mkr1 1.201 GHz -32.964 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts) <table><thead><tr><th>MFR 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></thead><tbody></tbody></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 Freq Offset 0 Hz 1GHz~10th Harmonic	MFR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																								
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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 Mkr3 948.59 MHz -50.526 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) <table><thead><tr><th>MFR 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></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>870.02 MHz</td><td>-30.539 dBm</td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>217.21 MHz</td><td>-47.720 dBm</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>-50.526 dBm</td><td></td><td></td></tr><tr><td>4</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></tr><tr><td>6</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></tr><tr><td>8</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></tr><tr><td>10</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></tr></tbody></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 Freq Offset 0 Hz 30MHz~1GHz	MFR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	870.02 MHz	-30.539 dBm			2	N	1	f	217.21 MHz	-47.720 dBm			3	N	1	f	948.59 MHz	-50.526 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-ANH	FM	CH _M	Agilent Spectrum Analyzer - Swept 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) File <Temp.png> saved Frequency Auto Tune Center Freq 2.675000000 GHz Start Freq 1.000000000 GHz Stop Freq 4.350000000 GHz CF Step 335.000000 MHz Auto Freq Offset 0 Hz 1GHz~10th Harmonic																																																																																																												
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Swept SA Center Freq 515.0000000 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) File <Temp.png> saved Frequency Auto Tune Center Freq 515.0000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Freq Offset 0 Hz <table><tr><th>MKR</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>939.86 MHz</td><td>-30.470 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>234.67 MHz</td><td>-35.215 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>470.38 MHz</td><td>-39.151 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	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	939.86 MHz	-30.470 dBm				2	N	1	f	234.67 MHz	-35.215 dBm				3	N	1	f	470.38 MHz	-39.151 dBm				4									5									6									7									8									9									10									11								
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----End of Report----