

Project No.	SHT2309011206EW		
Test sample No.	YPHT23090112001	Model No.	TM2210-H5
Start test date	2023/10/11	Finish date	2023/10/25
Temperature	23.9℃	Humidity	49%
Test Engineer	<i>Casper Chen</i>	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	10/25	PASS
B	Occupied Bandwidth	10/25	PASS
C	Emission Mask	10/25	PASS
D	Modulation Limit	10/25	PASS
E	Audio Frequency Response	10/25	PASS
F	Frequency Stability Test & Temperature	10/25	PASS
G	Frequency Stability Test & Voltage	10/25	PASS
H	Transmitter Frequency Behavior	10/25	PASS
I	Spurious Emission On Antenna Port	10/25	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	44.3	26.92	25.00	7.7	±20	PASS
TX-DNH	4FSK	CH _M	44.4	27.54	25.00	10.2	±20	PASS
TX-DNH	4FSK	CH _H	44.3	26.92	25.00	7.7	±20	PASS
TX-DNL	4FSK	CH _L	40.4	10.96	10.00	9.6	±20	PASS
TX-DNL	4FSK	CH _M	40.2	10.47	10.00	4.7	±20	PASS
TX-DNL	4FSK	CH _H	40.7	11.75	10.00	17.5	±20	PASS
TX-ANH	FM	CH _L	44.2	26.00	25.00	4.0	±20	PASS
TX-ANH	FM	CH _M	43.9	24.55	25.00	-1.8	±20	PASS
TX-ANH	FM	CH _H	44.1	25.70	25.00	2.8	±20	PASS
TX-ANL	FM	CH _L	40.3	10.64	10.00	6.4	±20	PASS
TX-ANL	FM	CH _M	39.5	8.99	10.00	-10.1	±20	PASS
TX-ANL	FM	CH _H	40.3	10.72	10.00	7.2	±20	PASS

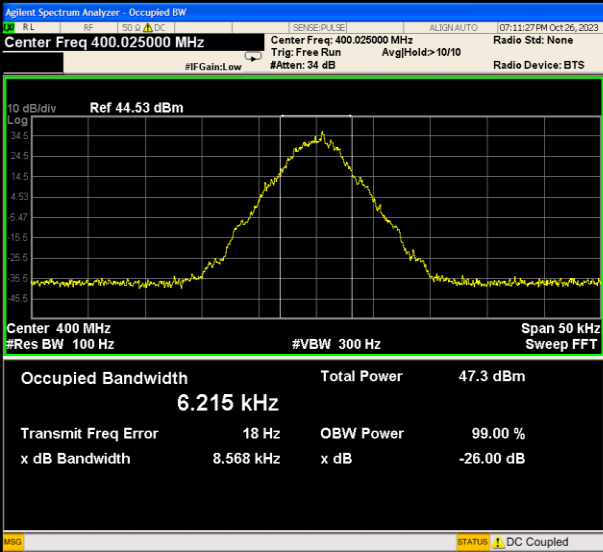
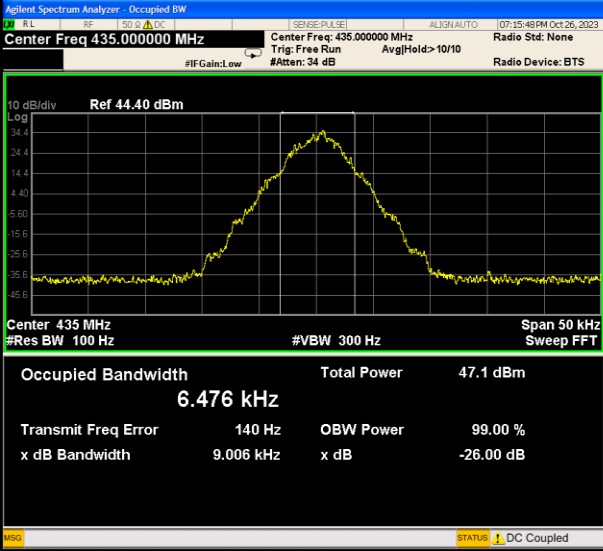
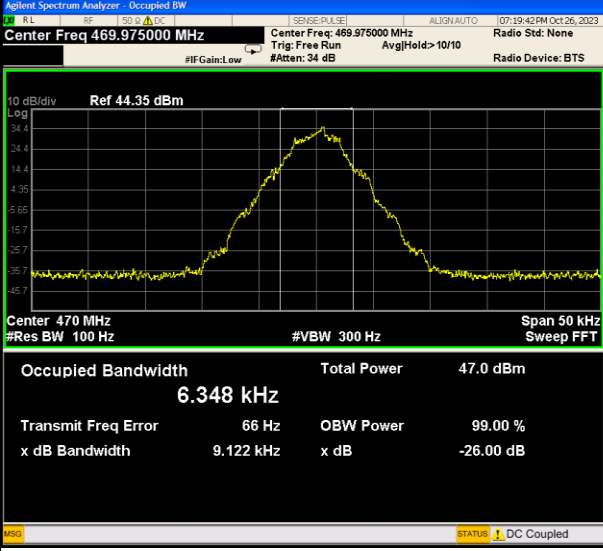
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	6.390	8.922	≤11.25	PASS
TX-DNH	4FSK	CH _M	6.577	9.325	≤11.25	PASS
TX-DNH	4FSK	CH _H	6.366	8.657	≤11.25	PASS
TX-DNL	4FSK	CH _L	6.215	8.568	≤11.25	PASS
TX-DNL	4FSK	CH _M	6.476	9.006	≤11.25	PASS
TX-DNL	4FSK	CH _H	6.348	9.122	≤11.25	PASS
TX-ANH	FM	CH _L	9.900	10.140	≤11.25	PASS
TX-ANH	FM	CH _M	9.889	10.140	≤11.25	PASS
TX-ANH	FM	CH _H	5.286	10.120	≤11.25	PASS
TX-ANL	FM	CH _L	9.897	10.140	≤11.25	PASS
TX-ANL	FM	CH _M	9.889	10.130	≤11.25	PASS
TX-ANL	FM	CH _H	7.567	10.130	≤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 400.025000 MHz Ref 47.96 dBm Occupied Bandwidth 6.390 kHz Total Power 51.0 dBm Transmit Freq Error 47 Hz OBW Power 99.00 % x dB Bandwidth 8.922 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 47.77 dBm Occupied Bandwidth 6.577 kHz Total Power 50.6 dBm Transmit Freq Error 73 Hz OBW Power 99.00 % x dB Bandwidth 9.325 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 469.975000 MHz Ref 47.73 dBm Occupied Bandwidth 6.366 kHz Total Power 50.8 dBm Transmit Freq Error 50 Hz OBW Power 99.00 % x dB Bandwidth 8.657 kHz x dB -26.00 dB

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.025000 MHz Ref 44.53 dBm Occupied Bandwidth 6.215 kHz Total Power 47.3 dBm Transmit Freq Error 18 Hz OBW Power 99.00 % x dB Bandwidth 8.568 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 44.40 dBm Occupied Bandwidth 6.476 kHz Total Power 47.1 dBm Transmit Freq Error 140 Hz OBW Power 99.00 % x dB Bandwidth 9.006 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.975000 MHz Ref 44.35 dBm Occupied Bandwidth 6.348 kHz Total Power 47.0 dBm Transmit Freq Error 66 Hz OBW Power 99.00 % x dB Bandwidth 9.122 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 400.025000 MHz Ref 47.97 dBm Occupied Bandwidth 9.900 kHz Total Power 44.0 dBm Transmit Freq Error 49 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 47.62 dBm Occupied Bandwidth 9.889 kHz Total Power 43.6 dBm Transmit Freq Error 54 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 469.975000 MHz Ref 47.74 dBm Occupied Bandwidth 5.286 kHz Total Power 44.0 dBm Transmit Freq Error 73 Hz OBW Power 99.00 % x dB Bandwidth 10.12 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 400.025000 MHz Ref 44.50 dBm Occupied Bandwidth 9.897 kHz Total Power 40.4 dBm Transmit Freq Error 47 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 43.79 dBm Occupied Bandwidth 9.889 kHz Total Power 39.8 dBm Transmit Freq Error 61 Hz OBW Power 99.00 % x dB Bandwidth 10.13 kHz x dB -26.00 dB
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 469.975000 MHz Ref 44.07 dBm Occupied Bandwidth 7.567 kHz Total Power 40.2 dBm Transmit Freq Error -1.063 kHz OBW Power 99.00 % x dB Bandwidth 10.13 kHz x dB -26.00 dB

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.025000 MHz Center Freq: 400.025000 MHz Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 44.43 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>43.58</td><td>(-1.73)</td><td>0.0</td><td>44.49</td><td>(-0.82)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.23</td><td>(-6.10)</td><td>-12.50 k</td><td>-31.86</td><td>(-6.82)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.08</td><td>(-9.08)</td><td>-17.40 k</td><td>-29.01</td><td>(-9.01)</td><td>17.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 400.025000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	43.58	(-1.73)	0.0	44.49	(-0.82)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-32.23	(-6.10)	-12.50 k	-31.86	(-6.82)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.08	(-9.08)	-17.40 k	-29.01	(-9.01)	17.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.025000 MHz Center Freq: 400.025000 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 47.57 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.62</td><td>(-10.69)</td><td>-250.0</td><td>37.31</td><td>(-8.00)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.16</td><td>(-1.39)</td><td>-12.45 k</td><td>-25.21</td><td>(-1.99)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.80</td><td>(-8.80)</td><td>-15.45 k</td><td>-26.12</td><td>(-8.12)</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> Frequency Center Freq 400.025000 MHz CF Step 12.000 kHz 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	34.62	(-10.69)	-250.0	37.31	(-8.00)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	-27.16	(-1.39)	-12.45 k	-25.21	(-1.99)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.80	(-8.80)	-15.45 k	-26.12	(-8.12)	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-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 435.0000000 MHz Center Freq: 435.0000000 MHz Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 435 MHz Span 120 kHz Total Power Ref 44.24 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>42.41</td><td>(-2.63)</td><td>0.0</td><td>44.23</td><td>(-0.81)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-30.10</td><td>(-4.42)</td><td>-12.40 k</td><td>-29.81</td><td>(-3.40)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-28.60</td><td>(-8.60)</td><td>-14.10 k</td><td>-28.52</td><td>(-8.52)</td><td>14.25 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> Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz 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	42.41	(-2.63)	0.0	44.23	(-0.81)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-30.10	(-4.42)	-12.40 k	-29.81	(-3.40)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-28.60	(-8.60)	-14.10 k	-28.52	(-8.52)	14.25 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-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 435.000000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 435 MHz Span 120 kHz Total Power Ref 47.51 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.76</td><td>(-10.28)</td><td>-350.0</td><td>35.81</td><td>(-9.23)</td><td>650.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.59</td><td>(-0.18)</td><td>-12.50 k</td><td>-25.70</td><td>(-0.03)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.13</td><td>(-7.13)</td><td>-13.40 k</td><td>-28.09</td><td>(-8.09)</td><td>13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.76	(-10.28)	-350.0	35.81	(-9.23)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.59	(-0.18)	-12.50 k	-25.70	(-0.03)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.13	(-7.13)	-13.40 k	-28.09	(-8.09)	13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.975000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 44.47 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>41.48</td><td>(-3.71)</td><td>0.0</td><td>44.35</td><td>(-0.84)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-29.92</td><td>(-4.40)</td><td>-12.40 k</td><td>-30.20</td><td>(-3.95)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-28.17</td><td>(-8.17)</td><td>-12.90 k</td><td>-27.96</td><td>(-7.96)</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></tbody></table> Frequency Center Freq 469.975000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	41.48	(-3.71)	0.0	44.35	(-0.84)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-29.92	(-4.40)	-12.40 k	-30.20	(-3.95)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-28.17	(-8.17)	-12.90 k	-27.96	(-7.96)	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	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.975000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 47.98 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>33.22</td><td>(-11.97)</td><td>-700.0</td><td>36.73</td><td>(-8.45)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-31.09</td><td>(-4.84)</td><td>-12.50 k</td><td>-28.55</td><td>(-2.67)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.06</td><td>(-6.06)</td><td>-13.00 k</td><td>-26.92</td><td>(-8.92)</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></tbody></table> Frequency Center Freq 469.975000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	33.22	(-11.97)	-700.0	36.73	(-8.45)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-31.09	(-4.84)	-12.50 k	-28.55	(-2.67)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.06	(-6.06)	-13.00 k	-26.92	(-8.92)	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	—	(—)	—	—	(—)	—
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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 Center Freq 400.025000 MHz Center Freq: 400.025000 MHz Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 40.75 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>39.81</td><td>(-1.85)</td><td>0.0</td><td>40.79</td><td>(-0.88)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.33</td><td>(-7.11)</td><td>-12.15 k</td><td>-34.72</td><td>(-6.40)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-31.98</td><td>(-11.98)</td><td>-16.25 k</td><td>-31.98</td><td>(-11.98)</td><td>16.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 400.025000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	39.81	(-1.85)	0.0	40.79	(-0.88)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-34.33	(-7.11)	-12.15 k	-34.72	(-6.40)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-31.98	(-11.98)	-16.25 k	-31.98	(-11.98)	16.35 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.025000 MHz Center Freq: 400.025000 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 44.07 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.74</td><td>(-9.93)</td><td>-200.0</td><td>36.72</td><td>(-4.95)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-31.64</td><td>(-5.14)</td><td>-12.05 k</td><td>-36.84</td><td>(-7.07)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-31.90</td><td>(-11.90)</td><td>-14.45 k</td><td>-31.47</td><td>(-11.47)</td><td>16.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 400.025000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.74	(-9.93)	-200.0	36.72	(-4.95)	600.0	5.625 kHz	12.50 kHz	100.0 Hz	-31.64	(-5.14)	-12.05 k	-36.84	(-7.07)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-31.90	(-11.90)	-14.45 k	-31.47	(-11.47)	16.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 435.0000000 MHz Center Freq: 435.0000000 MHz Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 45.0 dBm Center 435 MHz Span 120 kHz Total Power Ref 40.61 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>38.57</td><td>(-2.87)</td><td>0.0</td><td>40.56</td><td>(-0.88)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.54</td><td>(4.73)</td><td>-12.20 k</td><td>-32.88</td><td>(-3.97)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.84</td><td>(-14.84)</td><td>-14.75 k</td><td>-34.63</td><td>(-14.63)</td><td>14.85 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> Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	38.57	(-2.87)	0.0	40.56	(-0.88)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-32.54	(4.73)	-12.20 k	-32.88	(-3.97)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.84	(-14.84)	-14.75 k	-34.63	(-14.63)	14.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 07:36:53 PM Oct 26, 2023 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 45.0 dBm 10 dB/Div Log 35.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 435 MHz Span 120 kHz Total Power Ref 44.04 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>30.88</td><td>(-10.56)</td><td>0.0</td><td>34.10</td><td>(-7.34)</td><td>300.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.52</td><td>(-3.62)</td><td>-12.35 k</td><td>-31.59</td><td>(-3.05)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-31.66</td><td>(-11.66)</td><td>-14.00 k</td><td>-30.60</td><td>(-10.60)</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></table> File <Temp.png> saved STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.88	(-10.56)	0.0	34.10	(-7.34)	300.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.52	(-3.62)	-12.35 k	-31.59	(-3.05)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-31.66	(-11.66)	-14.00 k	-30.60	(-10.60)	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-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 07:20:11 PM Oct 26, 2023 Center Freq 469.975000 MHz Center Freq: 469.975000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 45.0 dBm 10 dB/Div Log 35.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 470 MHz Span 120 kHz Total Power Ref 40.81 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>38.19</td><td>(-3.23)</td><td>0.0</td><td>40.79</td><td>(-0.63)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-28.39</td><td>(-5.28)</td><td>-11.55 k</td><td>-28.42</td><td>(-4.58)</td><td>11.65 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-31.02</td><td>(-11.02)</td><td>-15.60 k</td><td>-31.11</td><td>(-11.11)</td><td>15.70 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></table> File <MASK D.state> recalled STATUS Frequency Center Freq 469.975000 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	38.19	(-3.23)	0.0	40.79	(-0.63)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-28.39	(-5.28)	-11.55 k	-28.42	(-4.58)	11.65 k	12.50 kHz	60.00 kHz	100.0 Hz	-31.02	(-11.02)	-15.60 k	-31.11	(-11.11)	15.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 07:20:40 PM Oct 26, 2023 Center Freq 469.975000 MHz Center Freq: 469.975000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 45.0 dBm 10 dB/Div Log 35.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 470 MHz Span 120 kHz Total Power Ref 44.43 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>32.22</td><td>(-9.21)</td><td>-400.0</td><td>36.46</td><td>(-4.96)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-31.08</td><td>(-2.52)</td><td>-12.30 k</td><td>-29.70</td><td>(-2.59)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-31.15</td><td>(-11.15)</td><td>-13.20 k</td><td>-30.87</td><td>(-10.87)</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></table> File <Temp.png> saved STATUS Frequency Center Freq 469.975000 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	32.22	(-9.21)	-400.0	36.46	(-4.96)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	-31.08	(-2.52)	-12.30 k	-29.70	(-2.59)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-31.15	(-11.15)	-13.20 k	-30.87	(-10.87)	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	—	(—)	—	—	(—)	—
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-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.025000 MHz Ref Offset 22 dB Ref 50.0 dBm Center Freq 400.025000 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS Center 400 MHz Span 120 kHz Total Power Ref 44.70 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>44.20</td><td>(-1.45)</td><td>0.0</td><td>44.69</td><td>(-0.96)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-28.01</td><td>(-5.50)</td><td>-12.05 k</td><td>-28.17</td><td>(-4.92)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.54</td><td>(-9.54)</td><td>-15.75 k</td><td>-29.45</td><td>(-9.45)</td><td>15.80 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 400.025000 MHz CF Step 12.000 kHz Freq Offset 0 Hz File <MASK D.state> recalled STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	44.20	(-1.45)	0.0	44.69	(-0.96)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-28.01	(-5.50)	-12.05 k	-28.17	(-4.92)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.54	(-9.54)	-15.75 k	-29.45	(-9.45)	15.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-29.54	(-9.54)	-15.75 k	-29.45	(-9.45)	15.80 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.025000 MHz Ref Offset 22 dB Ref 50.0 dBm Center Freq 400.025000 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Std: None Radio Device: BTS Center 400 MHz Span 120 kHz Total Power Ref 44.73 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>42.98</td><td>(-2.67)</td><td>0.0</td><td>43.29</td><td>(-2.36)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-24.22</td><td>(-0.34)</td><td>-12.30 k</td><td>-24.62</td><td>(-2.83)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.49</td><td>(-6.49)</td><td>-12.95 k</td><td>-26.34</td><td>(-6.34)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 400.025000 MHz CF Step 12.000 kHz Freq Offset 0 Hz File <Temp.png> saved STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	42.98	(-2.67)	0.0	43.29	(-2.36)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-24.22	(-0.34)	-12.30 k	-24.62	(-2.83)	11.95 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.49	(-6.49)	-12.95 k	-26.34	(-6.34)	12.60 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 435.0000000 MHz Ref Offset 22 dB Ref 49.0 dBm Center Freq 435.0000000 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS Center 435 MHz Span 120 kHz Total Power Ref 44.25 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>42.57</td><td>(-2.54)</td><td>0.0</td><td>44.23</td><td>(-0.89)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.04</td><td>(-7.44)</td><td>-12.40 k</td><td>-33.14</td><td>(-6.82)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.72</td><td>(-9.72)</td><td>-21.60 k</td><td>-29.69</td><td>(-9.69)</td><td>21.70 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 Freq Offset 0 Hz File <MASK D.state> recalled STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	42.57	(-2.54)	0.0	44.23	(-0.89)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-33.04	(-7.44)	-12.40 k	-33.14	(-6.82)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.72	(-9.72)	-21.60 k	-29.69	(-9.69)	21.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 435 MHz Span 120 kHz Total Power Ref 44.24 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>41.59</td><td>(-3.52)</td><td>0.0</td><td>42.83</td><td>(-2.29)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.21</td><td>(-2.80)</td><td>-12.10 k</td><td>-24.62</td><td>(-0.35)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.35</td><td>(-7.35)</td><td>-12.60 k</td><td>-26.21</td><td>(-6.21)</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> Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - 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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																																																																																
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																																																																																
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.975000 MHz Center Freq: 469.975000 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 22 dB Ref 49.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 44.94 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>38.51</td><td>(-6.68)</td><td>0.0</td><td>43.13</td><td>(-2.07)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.87</td><td>(-1.63)</td><td>-12.50 k</td><td>-29.97</td><td>(-3.73)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.81</td><td>(-6.81)</td><td>-13.85 k</td><td>-25.09</td><td>(-5.09)</td><td>13.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 469.975000 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	38.51	(-6.68)	0.0	43.13	(-2.07)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-27.87	(-1.63)	-12.50 k	-29.97	(-3.73)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.81	(-6.81)	-13.85 k	-25.09	(-5.09)	13.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																						
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 06:26:35 PM Oct 26, 2023 Center Freq 400.025000 MHz Center Freq: 400.025000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm 10 dB/div Log 36.0 28.0 16.0 4.00 -14.0 -24.0 -34.0 -44.0 Center 400 MHz Span 120 kHz Total Power Ref 41.13 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>40.59</td><td>(-1.39)</td><td>0.0</td><td>41.13</td><td>(-0.85)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.24</td><td>(-6.32)</td><td>-12.15 k</td><td>-33.28</td><td>(-5.64)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.86</td><td>(-9.86)</td><td>-15.75 k</td><td>-29.89</td><td>(-9.89)</td><td>15.85 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></table> File <MASK D.state> recalled STATUS Frequency Center Freq 400.025000 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	40.59	(-1.39)	0.0	41.13	(-0.85)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-33.24	(-6.32)	-12.15 k	-33.28	(-5.64)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.86	(-9.86)	-15.75 k	-29.89	(-9.89)	15.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 06:26:50 PM Oct 26, 2023 Center Freq 400.025000 MHz Center Freq: 400.025000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm 10 dB/div Log 36.0 28.0 16.0 4.00 -14.0 -24.0 -34.0 -44.0 Center 400 MHz Span 120 kHz Total Power Ref 41.16 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>39.38</td><td>(-2.59)</td><td>0.0</td><td>39.75</td><td>(-2.23)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-30.38</td><td>(-0.92)</td><td>-12.50 k</td><td>-32.08</td><td>(-3.35)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.78</td><td>(-9.78)</td><td>-12.60 k</td><td>-31.27</td><td>(-11.27)</td><td>13.85 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></table> File <Temp.png> saved STATUS Frequency Center Freq 400.025000 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	39.38	(-2.59)	0.0	39.75	(-2.23)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-30.38	(-0.92)	-12.50 k	-32.08	(-3.35)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.78	(-9.78)	-12.60 k	-31.27	(-11.27)	13.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 06:29:47 PM Oct 26, 2023 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 45.0 dBm 10 dB/div Log 36.0 28.0 16.0 4.00 -14.0 -24.0 -34.0 -44.0 Center 435 MHz Span 120 kHz Total Power Ref 40.49 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>37.22</td><td>(-4.19)</td><td>0.0</td><td>40.39</td><td>(-1.02)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.54</td><td>(-5.97)</td><td>-12.30 k</td><td>-34.40</td><td>(-4.74)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.16</td><td>(-12.16)</td><td>-15.60 k</td><td>-32.00</td><td>(-12.00)</td><td>15.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> 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	37.22	(-4.19)	0.0	40.39	(-1.02)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.54	(-5.97)	-12.30 k	-34.40	(-4.74)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.16	(-12.16)	-15.60 k	-32.00	(-12.00)	15.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

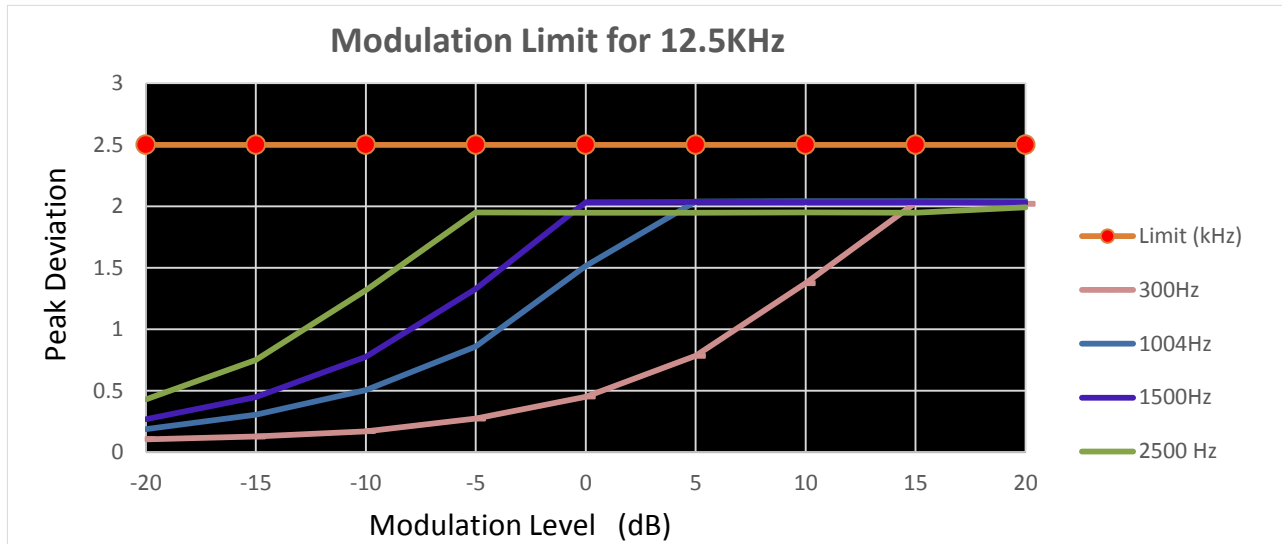
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 06:30:00 PM Oct 26, 2023 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 22 dB Ref 45.0 dBm 10 dB/Div Log 36.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 435 MHz Span 120 kHz Total Power Ref 40.44 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>36.69</td><td>(-4.72)</td><td>0.0</td><td>38.99</td><td>(-2.42)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-31.05</td><td>(-1.02)</td><td>-12.50 k</td><td>-32.46</td><td>(-2.43)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-30.28</td><td>(-10.28)</td><td>-13.65 k</td><td>-31.62</td><td>(-11.62)</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></table> File <Temp.png> saved STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Auto Man 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 50 dB AC SENSE: PULSE ALIGN: AUTO 06:32:40 PM Oct 26, 2023 Center Freq 469.975000 MHz Center Freq: 469.975000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm 10 dB/Div Log 36.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 470 MHz Span 120 kHz Total Power Ref 40.88 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>32.63</td><td>(-9.02)</td><td>0.0</td><td>40.70</td><td>(-0.96)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.69</td><td>(-4.73)</td><td>-12.25 k</td><td>-32.87</td><td>(-3.81)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.32</td><td>(-12.32)</td><td>-15.35 k</td><td>-31.03</td><td>(-11.03)</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></table> File <MASK D.state> recalled STATUS Frequency Center Freq 469.975000 MHz CF Step 12.000 kHz Auto Man 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 50 dB AC SENSE: PULSE ALIGN: AUTO 06:32:40 PM Oct 26, 2023 Center Freq 469.975000 MHz Center Freq: 469.975000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm 10 dB/Div Log 36.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 470 MHz Span 120 kHz Total Power Ref 40.88 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>32.63</td><td>(-9.02)</td><td>0.0</td><td>40.70</td><td>(-0.96)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.69</td><td>(-4.73)</td><td>-12.25 k</td><td>-32.87</td><td>(-3.81)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.32</td><td>(-12.32)</td><td>-15.35 k</td><td>-31.03</td><td>(-11.03)</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></table> File <MASK D.state> recalled STATUS Frequency Center Freq 469.975000 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - 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Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 06:33:02 PM Oct 26, 2023 Center Freq 469.975000 MHz Center Freq: 469.975000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 46.0 dBm 10 dB/Div Log 36.0 30.0 25.0 20.0 15.0 10.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 Center 470 MHz Span 120 kHz Total Power Ref 41.26 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>32.97</td><td>(-8.68)</td><td>0.0</td><td>39.44</td><td>(-2.21)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.35</td><td>(-2.57)</td><td>-12.50 k</td><td>-31.27</td><td>(-1.49)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-29.61</td><td>(-9.61)</td><td>-12.75 k</td><td>-30.47</td><td>(-10.47)</td><td>12.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS Frequency Center Freq 469.975000 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	32.97	(-8.68)	0.0	39.44	(-2.21)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-32.35	(-2.57)	-12.50 k	-31.27	(-1.49)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-29.61	(-9.61)	-12.75 k	-30.47	(-10.47)	12.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																			
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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	0.105	0.187	0.269	0.431	2.5	PASS
TX-ANH	FM	CH _M	-15	0.128	0.304	0.449	0.75	2.5	PASS
TX-ANH	FM	CH _M	-10	0.171	0.505	0.776	1.317	2.5	PASS
TX-ANH	FM	CH _M	-5	0.273	0.86	1.329	1.951	2.5	PASS
TX-ANH	FM	CH _M	0	0.452	1.516	2.033	1.946	2.5	PASS
TX-ANH	FM	CH _M	5	0.783	2.037	2.036	1.947	2.5	PASS
TX-ANH	FM	CH _M	10	1.374	2.041	2.032	1.951	2.5	PASS
TX-ANH	FM	CH _M	15	2.029	2.042	2.033	1.947	2.5	PASS
TX-ANH	FM	CH _M	20	2.019	2.041	2.028	1.992	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

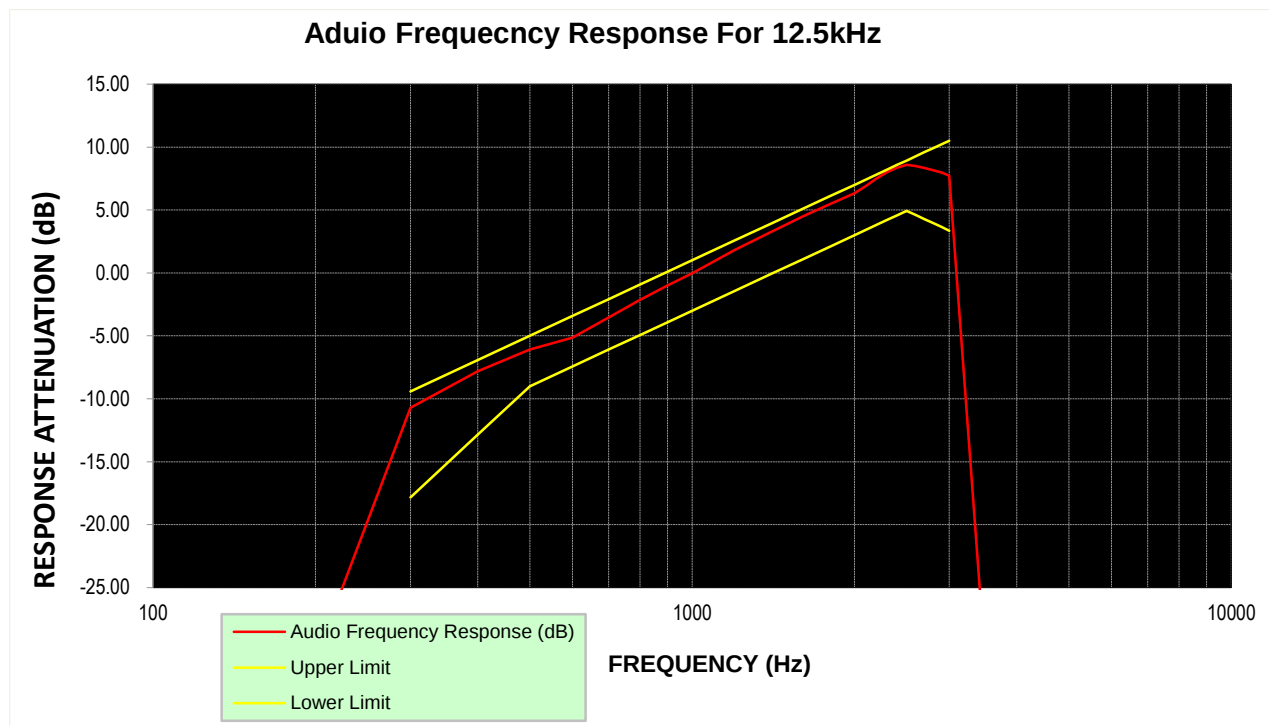


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-29.45			PASS
TX-ANH	FM	CH _M	200	-30.66			PASS
TX-ANH	FM	CH _M	300	-10.72	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-7.82	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-6.08	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-5.14	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-3.55	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-2.15	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-1.00	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	-0.04	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.82	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	3.26	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	4.47	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	5.45	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	6.34	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	6.91	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	7.52	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	8.00	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	8.36	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	8.58	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	8.49	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	8.35	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	8.17	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	7.97	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	7.73	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-31.13			PASS
TX-ANH	FM	CH _M	4000	-31.36			PASS
TX-ANH	FM	CH _M	4500	-30.71			PASS
TX-ANH	FM	CH _M	5000	-30.28			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	-0.161	-0.098	-0.175	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.162	-0.107	-0.172	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.166	-0.097	-0.178	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.173	-0.102	-0.173	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.161	-0.101	-0.173	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.157	-0.097	-0.163	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.168	-0.107	-0.172	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.166	-0.105	-0.167	±5.0	PASS
TX-DNH	4FSK	V _N	50	-0.168	-0.101	-0.163	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.143	-0.178	-0.152	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.135	-0.177	-0.150	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.135	-0.182	-0.152	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.142	-0.171	-0.150	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.142	-0.178	-0.154	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.134	-0.168	-0.149	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.140	-0.175	-0.149	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.142	-0.180	-0.151	±5.0	PASS
TX-DNL	4FSK	V _N	50	-0.146	-0.178	-0.149	±5.0	PASS
TX-ANH	FM	V _N	-30	-0.173	-0.182	-0.171	±5.0	PASS
TX-ANH	FM	V _N	-20	-0.176	-0.170	-0.181	±5.0	PASS
TX-ANH	FM	V _N	-10	-0.178	-0.173	-0.177	±5.0	PASS
TX-ANH	FM	V _N	0	-0.182	-0.166	-0.173	±5.0	PASS
TX-ANH	FM	V _N	10	-0.167	-0.180	-0.175	±5.0	PASS
TX-ANH	FM	V _N	20	-0.166	-0.166	-0.168	±5.0	PASS
TX-ANH	FM	V _N	30	-0.174	-0.172	-0.175	±5.0	PASS
TX-ANH	FM	V _N	40	-0.183	-0.171	-0.176	±5.0	PASS
TX-ANH	FM	V _N	50	-0.178	-0.170	-0.178	±5.0	PASS
TX-ANL	FM	V _N	-30	-0.169	-0.166	-0.167	±5.0	PASS
TX-ANL	FM	V _N	-20	-0.170	-0.167	-0.170	±5.0	PASS
TX-ANL	FM	V _N	-10	-0.182	-0.175	-0.174	±5.0	PASS
TX-ANL	FM	V _N	0	-0.177	-0.169	-0.174	±5.0	PASS
TX-ANL	FM	V _N	10	-0.171	-0.179	-0.171	±5.0	PASS
TX-ANL	FM	V _N	20	-0.166	-0.164	-0.165	±5.0	PASS
TX-ANL	FM	V _N	30	-0.166	-0.172	-0.172	±5.0	PASS
TX-ANL	FM	V _N	40	-0.176	-0.175	-0.177	±5.0	PASS
TX-ANL	FM	V _N	50	-0.167	-0.173	-0.165	±5.0	PASS

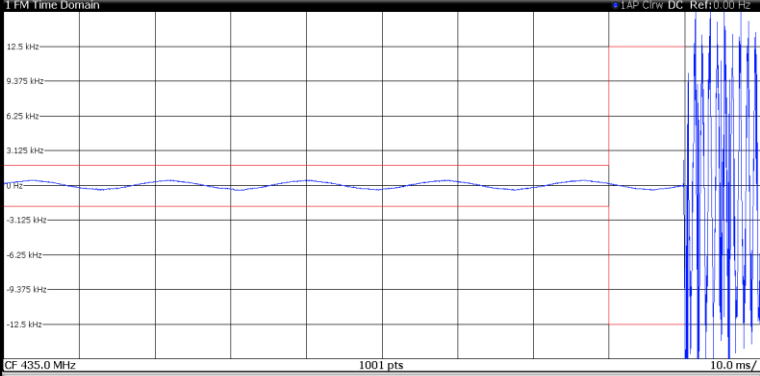
Appendix G:Frequency Stability Test & Voltage

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	-0.157	-0.097	-0.163	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.158	-0.099	-0.164	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.164	-0.100	-0.165	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.134	-0.168	-0.149	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.135	-0.170	-0.150	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.138	-0.176	-0.150	±5.0	PASS
TX-ANH	FM	V _N	T _N	-0.166	-0.166	-0.168	±5.0	PASS
TX-ANH	FM	V _L	T _N	-0.167	-0.168	-0.171	±5.0	PASS
TX-ANH	FM	V _H	T _N	-0.176	-0.174	-0.175	±5.0	PASS
TX-ANL	FM	V _N	T _N	-0.166	-0.164	-0.165	±5.0	PASS
TX-ANL	FM	V _L	T _N	-0.167	-0.166	-0.165	±5.0	PASS
TX-ANL	FM	V _H	T _N	-0.171	-0.169	-0.172	±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 57.00 dBm Offset 30.50 dB Att 36 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain CF 435.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 34.94 dBmCarrier Offset 5.04 Hz <table><thead><tr><th>FM</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></td><td>23.011 kHz</td><td>-22.989 kHz</td><td>23.0 kHz</td><td>3.5864 kHz</td><td>---</td><td>---</td><td>---</td></tr></tbody></table> Analog Demod: Waiting for Trigger... Measuring...16.10.2023 11:45:56	FM	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD		23.011 kHz	-22.989 kHz	23.0 kHz	3.5864 kHz	---	---	---
FM	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD												
	23.011 kHz	-22.989 kHz	23.0 kHz	3.5864 kHz	---	---	---												
TX-DNH	4FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 57.00 dBm Offset 30.50 dB Att 36 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain CF 435.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 34.95 dBmCarrier Offset 3.29 Hz <table><thead><tr><th>FM</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></td><td>20.047 kHz</td><td>-24.836 kHz</td><td>22.442 kHz</td><td>2.9746 kHz</td><td>---</td><td>---</td><td>---</td></tr></tbody></table> Analog Demod: Waiting for Trigger... Measuring...16.10.2023 11:46:21	FM	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD		20.047 kHz	-24.836 kHz	22.442 kHz	2.9746 kHz	---	---	---
FM	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD												
	20.047 kHz	-24.836 kHz	22.442 kHz	2.9746 kHz	---	---	---												
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 57.00 dBm Offset 30.50 dB Att 36 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain CF 435.0 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 34.95 dBmCarrier Offset 6.79 Hz <table><thead><tr><th>FM</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></td><td>21.668 kHz</td><td>-25.843 kHz</td><td>23.755 kHz</td><td>3.6025 kHz</td><td>---</td><td>---</td><td>---</td></tr></tbody></table> Analog Demod: Waiting for Trigger... Measuring...16.10.2023 11:45:30	FM	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD		21.668 kHz	-25.843 kHz	23.755 kHz	3.6025 kHz	---	---	---
FM	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD												
	21.668 kHz	-25.843 kHz	23.755 kHz	3.6025 kHz	---	---	---												

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _M	MultiView Spectrum Analog Demod Ref Level 57.00 dBm Offset 30.50 dB Att 36 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG IFB (17MHz) YIG Bypass  CF 435.0 MHz 1001 pts 10.0 ms/ Carrier Power 34.95 dBm Carrier Offset 3.91 Hz FM 18.147 kHz -20.406 kHz 19.277 kHz 2.958 kHz Analog Demod: Waiting for Trigger... Measuring... 16.10.2023 11:46:31

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DNH	4FSK	CH _L	MultiViewSpectrum Ref Level 25.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions MI[1] -39.19 dBm 2.800084000 GHz SPURIOUS_LINE_A85_001 9.0 kHz 68704 pts 500.0 MHz / 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>10.50856 kHz</td><td>-75.97 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>22.18499 MHz</td><td>-61.78 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-5.58 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>2.80013 GHz</td><td>-39.19 dBm</td><td>-200.00 dB</td></tr></table> Date: 16 OCT 2023 10:38:39	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	10.50856 kHz	-75.97 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	22.18499 MHz	-61.78 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-5.58 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	2.80013 GHz	-39.19 dBm	-200.00 dB
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TX-DNH	4FSK	CH _H	MultiViewSpectrum Ref Level 25.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions MI[1] -33.72 dBm 2.819756000 GHz SPURIOUS_LINE_A85_001 9.0 kHz 68704 pts 500.0 MHz / 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>11.31312 kHz</td><td>-75.21 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-65.36 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>469.95703 MHz</td><td>-36.23 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>2.81976 GHz</td><td>-33.72 dBm</td><td>-200.00 dB</td></tr></table> Date: 16 OCT 2023 10:39:05	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	11.31312 kHz	-75.21 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-65.36 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	469.95703 MHz	-36.23 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	2.81976 GHz	-33.72 dBm	-200.00 dB
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TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 25.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions MI[1] -41.07 dBm 2.800006000 GHz SPURIOUS_LINE_A85_001 9.0 kHz 68704 pts 500.0 MHz / 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>24.58845 kHz</td><td>-74.84 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-65.02 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-5.67 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>2.80001 GHz</td><td>-41.07 dBm</td><td>-200.00 dB</td></tr></table> Date: 16 OCT 2023 10:39:55	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	24.58845 kHz	-74.84 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-65.02 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-5.67 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	2.80001 GHz	-41.07 dBm	-200.00 dB
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Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-ANH	FM	CH _H	MultiView Spectrum Ref Level 25.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm 9.0 kHz 500.0 MHz / 5.0 GHz MI[1] -34.30 dBm 2.819881000 GHz SPURIOUS_LINE_ARE_001 68704 pts 500.0 MHz / 5.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>24.78959 kHz</td><td>-74.87 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-65.56 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>469.95703 MHz</td><td>-36.21 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>2.81988 GHz</td><td>-34.30 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 16.10.2023 10:39:31 Date: 16 OCT 2023 10:39:31	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.78959 kHz	-74.87 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-65.56 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	469.95703 MHz	-36.21 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	2.81988 GHz	-34.30 dBm	-200.00 dB
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----End of Report----