

Project No.	SHT2212063205EW		
Test sample No.	YPHT22120632002	Model No.	AWR-D5500
Start test date	2023/1/5	Finish date	2023/1/29
Temperature	22.7℃	Humidity	53%
Test Engineer	<i>Chunshui Gu</i>	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	PASS
B	Occupied Bandwidth	PASS
C	Emission Mask	PASS
D	Modulation Limit	PASS
E	Audio Frequency Response	PASS
F	Frequency Stability Test & Temperature	PASS
G	Frequency Stability Test & Voltage	PASS
H	Transmitter Frequency Behavior	PASS
I	Spurious Emission On Antenna Port	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	35.6	3.63	4.50	-19.3	±20	PASS
TX-DNH	4FSK	CH _M	35.6	3.63	4.50	-19.3	±20	PASS
TX-DNH	4FSK	CH _H	35.6	3.63	4.50	-19.3	±20	PASS
TX-DNL	4FSK	CH _L	31.7	1.48	1.50	-1.3	±20	PASS
TX-DNL	4FSK	CH _M	31.5	1.41	1.50	-6.0	±20	PASS
TX-DNL	4FSK	CH _H	31.0	1.26	1.50	-16.0	±20	PASS
TX-ANH	FM	CH _L	36.1	4.06	4.50	-9.8	±20	PASS
TX-ANH	FM	CH _M	36.0	3.95	4.50	-12.2	±20	PASS
TX-ANH	FM	CH _H	36.2	4.17	4.50	-7.3	±20	PASS
TX-ANL	FM	CH _L	31.2	1.30	1.50	-13.3	±20	PASS
TX-ANL	FM	CH _M	31.0	1.24	1.50	-17.3	±20	PASS
TX-ANL	FM	CH _H	31.2	1.31	1.50	-12.7	±20	PASS

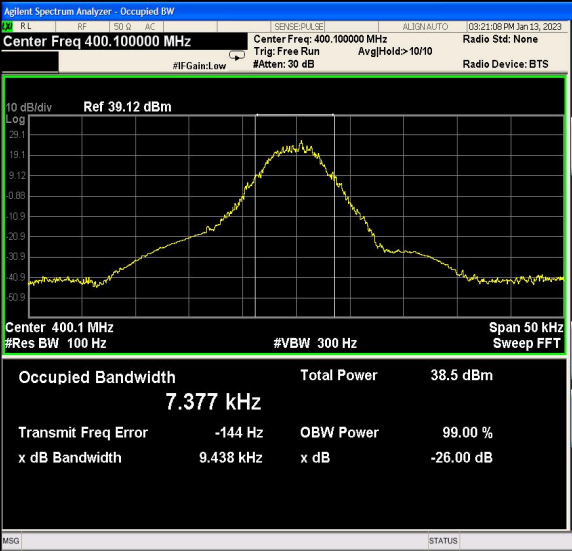
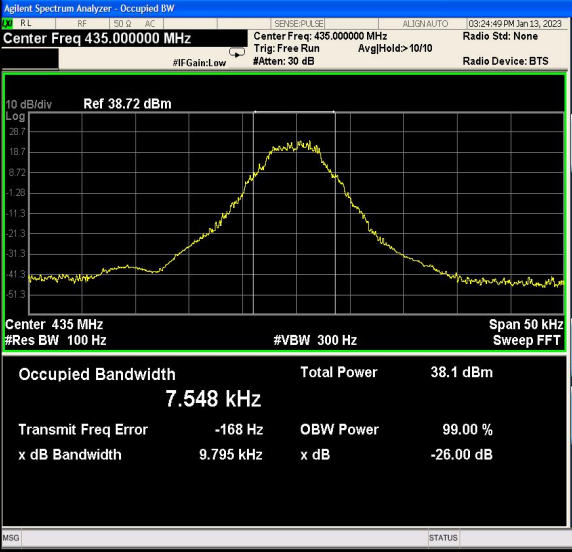
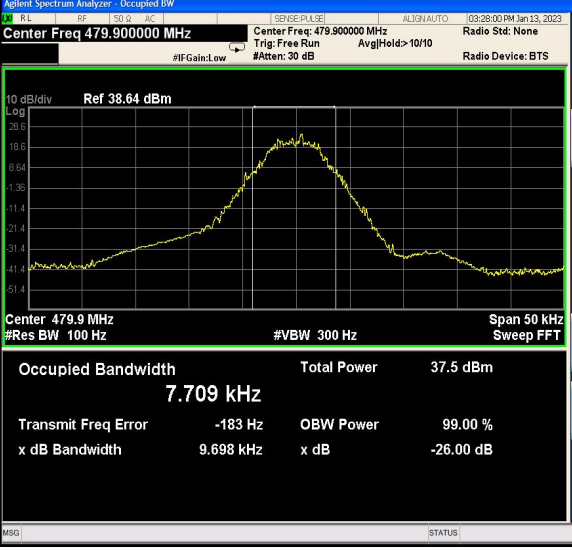
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.586	9.728	≤ 11.25	PASS
TX-DNH	4FSK	CH _M	7.582	9.545	≤ 11.25	PASS
TX-DNH	4FSK	CH _H	7.586	9.770	≤ 11.25	PASS
TX-DNL	4FSK	CH _L	7.377	9.438	≤ 11.25	PASS
TX-DNL	4FSK	CH _M	7.548	9.795	≤ 11.25	PASS
TX-DNL	4FSK	CH _H	7.709	9.698	≤ 11.25	PASS
TX-ANH	FM	CH _L	5.149	5.257	≤ 11.25	PASS
TX-ANH	FM	CH _M	5.147	5.256	≤ 11.25	PASS
TX-ANH	FM	CH _H	5.159	5.240	≤ 11.25	PASS
TX-ANL	FM	CH _L	5.158	5.250	≤ 11.25	PASS
TX-ANL	FM	CH _M	5.153	5.254	≤ 11.25	PASS
TX-ANL	FM	CH _H	5.160	5.241	≤ 11.25	PASS

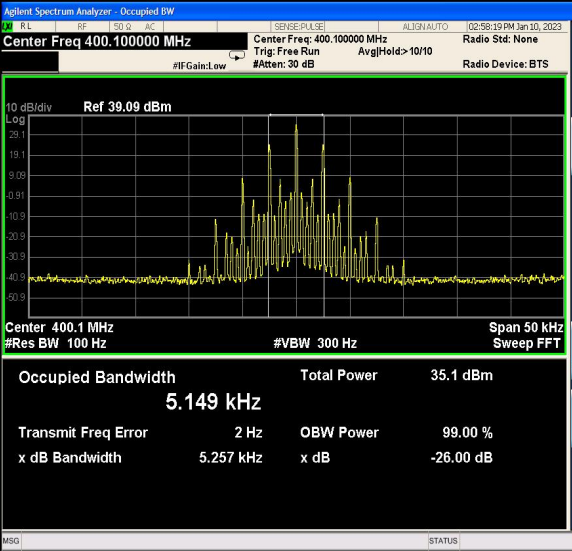
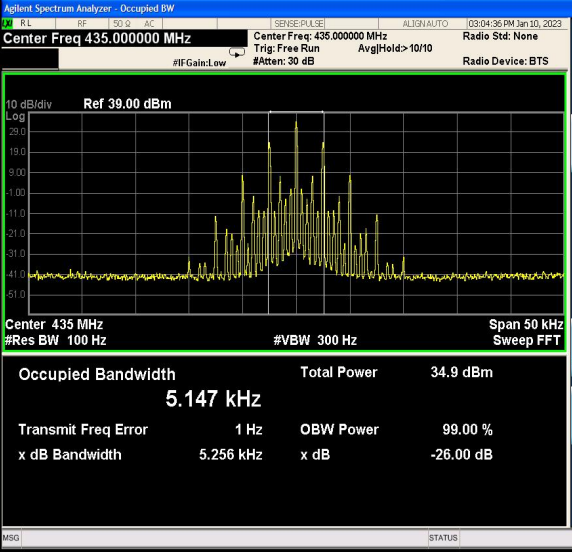
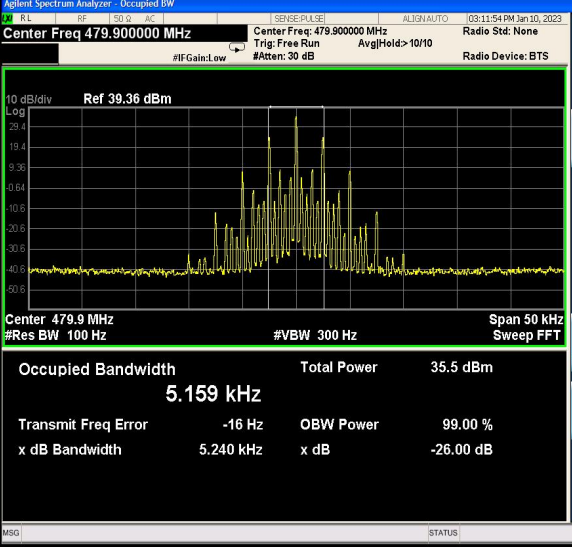
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.100000 MHz Span 50 kHz Occupied Bandwidth 7.586 kHz Total Power 42.6 dBm Transmit Freq Error -229 Hz OBW Power 99.00 % x dB Bandwidth 9.728 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Span 50 kHz Occupied Bandwidth 7.582 kHz Total Power 42.5 dBm Transmit Freq Error -170 Hz OBW Power 99.00 % x dB Bandwidth 9.545 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 479.900000 MHz Span 50 kHz Occupied Bandwidth 7.586 kHz Total Power 42.7 dBm Transmit Freq Error -104 Hz OBW Power 99.00 % x dB Bandwidth 9.770 kHz x dB -26.00 dB

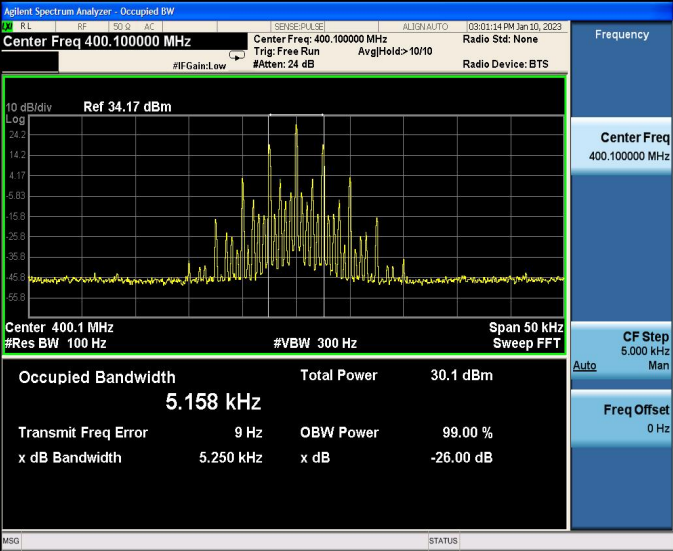
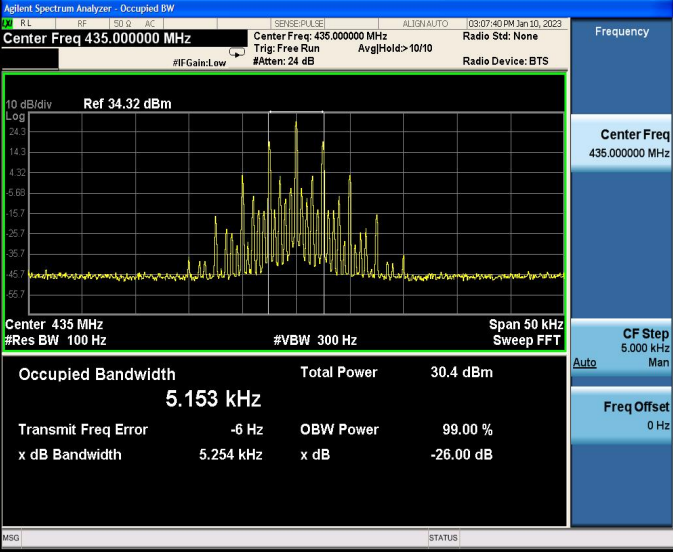
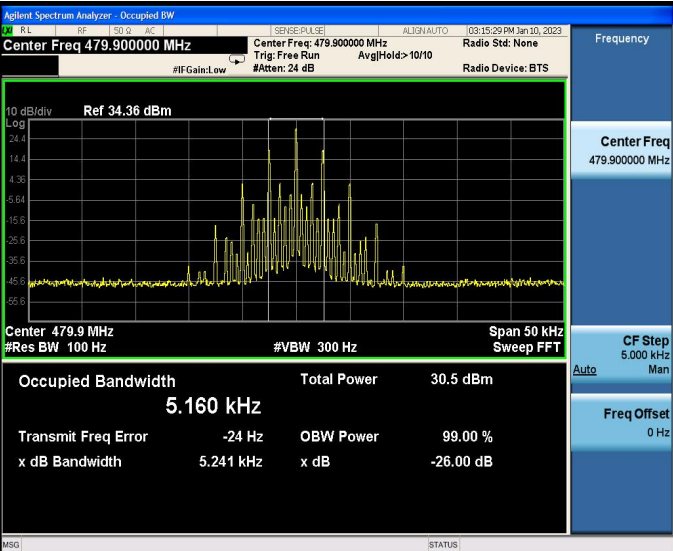
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.100000 MHz Span 50 kHz Occupied Bandwidth 7.377 kHz Total Power 38.5 dBm Transmit Freq Error -144 Hz OBW Power 99.00 % x dB Bandwidth 9.438 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Span 50 kHz Occupied Bandwidth 7.548 kHz Total Power 38.1 dBm Transmit Freq Error -168 Hz OBW Power 99.00 % x dB Bandwidth 9.795 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 479.900000 MHz Span 50 kHz Occupied Bandwidth 7.709 kHz Total Power 37.5 dBm Transmit Freq Error -183 Hz OBW Power 99.00 % x dB Bandwidth 9.698 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 400.100000 MHz Ref 39.09 dBm Occupied Bandwidth 5.149 kHz Total Power 35.1 dBm Transmit Freq Error 2 Hz OBW Power 99.00 % x dB Bandwidth 5.257 kHz x dB -26.00 dB
TX-ANH	FM	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Ref 39.00 dBm Occupied Bandwidth 5.147 kHz Total Power 34.9 dBm Transmit Freq Error 1 Hz OBW Power 99.00 % x dB Bandwidth 5.256 kHz x dB -26.00 dB
TX-ANH	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 479.900000 MHz Ref 39.36 dBm Occupied Bandwidth 5.159 kHz Total Power 35.5 dBm Transmit Freq Error -16 Hz OBW Power 99.00 % x dB Bandwidth 5.240 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 400.100000 MHz Center Freq: 400.100000 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None #F Gain: Low #Atten: 24 dB Radio Device: BTS Ref 34.17 dBm 10 dB/div Log 24.3 14.3 4.17 5.83 15.8 25.8 35.8 45.8 55.8 Center 400.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.158 kHz Total Power 30.1 dBm Transmit Freq Error 9 Hz OBW Power 99.00 % x dB Bandwidth 5.250 kHz x dB -26.00 dB Frequency Center Freq 400.100000 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz MSG (STATUS)
TX-ANL	FM	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None #F Gain: Low #Atten: 24 dB Radio Device: BTS Ref 34.32 dBm 10 dB/div Log 24.3 14.3 4.30 5.68 15.7 25.7 35.7 45.7 55.7 Center 435 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.153 kHz Total Power 30.4 dBm Transmit Freq Error -6 Hz OBW Power 99.00 % x dB Bandwidth 5.254 kHz x dB -26.00 dB Frequency Center Freq 435.000000 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz MSG (STATUS)
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 479.900000 MHz Center Freq: 479.900000 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None #F Gain: Low #Atten: 24 dB Radio Device: BTS Ref 34.36 dBm 10 dB/div Log 24.4 14.4 4.36 5.64 15.6 25.6 35.6 45.6 55.6 Center 479.9 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.160 kHz Total Power 30.5 dBm Transmit Freq Error -24 Hz OBW Power 99.00 % x dB Bandwidth 5.241 kHz x dB -26.00 dB Frequency Center Freq 479.900000 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz MSG (STATUS)

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:30:55 PM Jan 29, 2023 Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None Trig: Free Run #Atten: 40 dB Radio Device: BTS PASS IF Gain: Low Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 30.0 21.0 11.0 0.00 -9.00 -19.0 -29.0 -39.0 -49.0 Center 400.1 MHz Span 120 kHz Total Power Ref 35.60 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.13</td><td>(-1.42)</td><td>0.0</td><td>35.60</td><td>(-0.95)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.18</td><td>(-6.38)</td><td>-12.35 k</td><td>-40.23</td><td>(-5.70)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.67</td><td>(-16.67)</td><td>-12.55 k</td><td>-36.92</td><td>(-16.92)</td><td>12.65 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 400.100000 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	35.13	(-1.42)	0.0	35.60	(-0.95)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.18	(-6.38)	-12.35 k	-40.23	(-5.70)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.67	(-16.67)	-12.55 k	-36.92	(-16.92)	12.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:31:40 PM Jan 29, 2023 Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS PASS IF Gain: Low Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 30.0 21.0 11.0 0.00 -9.00 -19.0 -29.0 -39.0 -49.0 Center 400.1 MHz Span 120 kHz Total Power Ref 40.27 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>(-10.72)</td><td>-600.0</td><td>28.66</td><td>(-7.89)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.02</td><td>(-1.94)</td><td>-12.25 k</td><td>-38.36</td><td>(-3.47)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.56</td><td>(-16.56)</td><td>-13.90 k</td><td>-35.72</td><td>(-15.72)</td><td>12.65 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <Temp.png> saved STATUS Frequency Center Freq 400.100000 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	(-10.72)	-600.0	28.66	(-7.89)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.02	(-1.94)	-12.25 k	-38.36	(-3.47)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.56	(-16.56)	-13.90 k	-35.72	(-15.72)	12.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—		
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 AC SENSE: PULSE ALIGN: AUTO 02:33:14 PM Jan 29, 2023 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 21 dB Ref 40.0 dBm 10 dB/div Log 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 Peak Limit Absolute Limit Spectrum Center 435 MHz Span 120 kHz Total Power Ref 39.98 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>26.42</td><td>(-10.02)</td><td>-200.0</td><td>27.75</td><td>(-8.69)</td><td>1.200 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.43</td><td>(-4.15)</td><td>-12.40 k</td><td>-36.48</td><td>(-2.93)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.24</td><td>(-17.24)</td><td>-16.80 k</td><td>-35.92</td><td>(-15.92)</td><td>14.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MISO 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	26.42	(-10.02)	-200.0	27.75	(-8.69)	1.200 k	5.625 kHz	12.50 kHz	100.0 Hz	-38.43	(-4.15)	-12.40 k	-36.48	(-2.93)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.24	(-17.24)	-16.80 k	-35.92	(-15.92)	14.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 AC SENSE: PULSE ALIGN: AUTO 02:34:00 PM Jan 29, 2023 Center Freq 479.900000 MHz Center Freq: 479.900000 MHz Radio Std: None PASS IF Gain: low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 Peak Limit Absolute Limit Spectrum Center 479.9 MHz Span 120 kHz Total Power Ref 35.54 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>34.86</td><td>(-1.71)</td><td>0.0</td><td>35.55</td><td>(-1.02)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.21</td><td>(-5.52)</td><td>-12.20 k</td><td>-38.44</td><td>(-5.02)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.75</td><td>(-15.75)</td><td>-14.15 k</td><td>-35.83</td><td>(-15.83)</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> MISO File <MASK 0.state> recalled STATUS Frequency Center Freq 479.900000 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	34.86	(-1.71)	0.0	35.55	(-1.02)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-38.21	(-5.52)	-12.20 k	-38.44	(-5.02)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.75	(-15.75)	-14.15 k	-35.83	(-15.83)	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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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 AC SENSE: PULSE ALIGN: AUTO 02:34:44 PM Jan 29, 2023 Center Freq 479.900000 MHz Center Freq: 479.900000 MHz Radio Std: None PASS IF Gain: low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 30.0 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 Peak Limit Absolute Limit Spectrum Center 479.9 MHz Span 120 kHz Total Power Ref 40.13 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>26.90</td><td>(-9.66)</td><td>-500.0</td><td>29.56</td><td>(-7.00)</td><td>1.250 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.75</td><td>(-1.88)</td><td>-12.50 k</td><td>-38.97</td><td>(-4.83)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.91</td><td>(-14.91)</td><td>-13.80 k</td><td>-34.08</td><td>(-14.08)</td><td>13.20 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MISO File <Temp.png> saved STATUS Frequency Center Freq 479.900000 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	26.90	(-9.66)	-500.0	29.56	(-7.00)	1.250 k	5.625 kHz	12.50 kHz	100.0 Hz	-36.75	(-1.88)	-12.50 k	-38.97	(-4.83)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.91	(-14.91)	-13.80 k	-34.08	(-14.08)	13.20 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:39:27 PM Jan 29, 2023 Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 -55.0 Center 400.1 MHz Span 120 kHz Total Power Ref 29.86 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.10</td><td>(-3.34)</td><td>0.0</td><td>29.83</td><td>(-1.61)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.70</td><td>(-4.61)</td><td>-12.10 k</td><td>-41.61</td><td>(-3.43)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.18</td><td>(-23.18)</td><td>-13.60 k</td><td>-43.08</td><td>(-23.08)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled (STATUS) Frequency Center Freq 400.100000 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	28.10	(-3.34)	0.0	29.83	(-1.61)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-41.70	(-4.61)	-12.10 k	-41.61	(-3.43)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.18	(-23.18)	-13.60 k	-43.08	(-23.08)	12.60 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:40:14 PM Jan 29, 2023 Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None PASS IF Gain: low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 -55.0 Center 400.1 MHz Span 120 kHz Total Power Ref 34.61 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>20.65</td><td>(-10.79)</td><td>0.0</td><td>21.97</td><td>(-9.47)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.49</td><td>(-2.49)</td><td>-12.50 k</td><td>-42.90</td><td>(-3.28)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.40</td><td>(-20.40)</td><td>-13.55 k</td><td>-41.61</td><td>(-21.61)</td><td>14.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 400.100000 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	20.65	(-10.79)	0.0	21.97	(-9.47)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.49	(-2.49)	-12.50 k	-42.90	(-3.28)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.40	(-20.40)	-13.55 k	-41.61	(-21.61)	14.35 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 _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:41:04 PM Jan 29, 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 38.0 dBm 10 dB/div Log 25.0 15.0 5.00 -5.00 -15.0 -25.0 -35.0 -45.0 -55.0 Center 435 MHz Span 120 kHz Total Power Ref 30.42 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.14</td><td>(-3.79)</td><td>0.0</td><td>30.40</td><td>(-1.54)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.32</td><td>(-7.63)</td><td>-12.25 k</td><td>-45.43</td><td>(-7.02)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.98</td><td>(-21.98)</td><td>-12.85 k</td><td>-40.95</td><td>(-20.95)</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> 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	28.14	(-3.79)	0.0	30.40	(-1.54)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-45.32	(-7.63)	-12.25 k	-45.43	(-7.02)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.98	(-21.98)	-12.85 k	-40.95	(-20.95)	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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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 02:42:17 PM Jan 29, 2023 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 22 dB Ref 36.0 dBm 10 dB/div Log Center 435 MHz Span 120 kHz Total Power Ref 34.89 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>20.83</td><td>(-11.11)</td><td>-1.800 k</td><td>21.35</td><td>(-10.59)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.61</td><td>(-4.11)</td><td>-12.50 k</td><td>-44.43</td><td>(-5.29)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.15</td><td>(-21.15)</td><td>-12.85 k</td><td>-40.77</td><td>(-20.77)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <Temp.png> saved STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td rowspan="3">TX-DNL</td><td rowspan="3">4FSK</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 02:47:01 PM Jan 29, 2023 Center Freq 479.900000 MHz Center Freq: 479.900000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log Center 479.9 MHz Span 120 kHz Total Power Ref 30.43 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>26.44</td><td>(-5.35)</td><td>0.0</td><td>30.26</td><td>(-1.52)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.17</td><td>(-6.97)</td><td>-12.30 k</td><td>-44.71</td><td>(-5.43)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.66</td><td>(-23.66)</td><td>-13.35 k</td><td>-44.51</td><td>(-24.51)</td><td>13.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 479.900000 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td rowspan="3">TX-DNL</td><td rowspan="3">4FSK</td><td>CH_H</td><td> Agilent Spectrum Analyzer - 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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 02:59:27 PM Jan 30, 2023 Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 -9.00 -29.0 -39.0 -49.0 Mask Limit Absolute Limit Spectrum Center 400.1 MHz Span 120 kHz Total Power Ref 35.48 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.47</td><td>(-1.06)</td><td>0.0</td><td>35.47</td><td>(-1.06)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.56</td><td>(-4.20)</td><td>-12.15 k</td><td>-36.43</td><td>(-4.07)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.11</td><td>(-17.11)</td><td>-13.70 k</td><td>-37.15</td><td>(-17.15)</td><td>13.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <MASK.D.state> recalled (STATUS) Frequency Center Freq 400.100000 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	35.47	(-1.06)	0.0	35.47	(-1.06)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.56	(-4.20)	-12.15 k	-36.43	(-4.07)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.11	(-17.11)	-13.70 k	-37.15	(-17.15)	13.70 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-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 02:59:49 PM Jan 30, 2023 Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 -9.00 -29.0 -39.0 -49.0 Mask Limit Absolute Limit Spectrum Center 400.1 MHz Span 120 kHz Total Power Ref 35.51 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>34.66</td><td>(-1.87)</td><td>0.0</td><td>34.66</td><td>(-1.87)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.21</td><td>(-2.30)</td><td>-12.50 k</td><td>-36.54</td><td>(-3.08)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.39</td><td>(-16.39)</td><td>-14.45 k</td><td>-35.47</td><td>(-15.47)</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> File <Temp.png> saved (STATUS) Frequency Center Freq 400.100000 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	34.66	(-1.87)	0.0	34.66	(-1.87)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.21	(-2.30)	-12.50 k	-36.54	(-3.08)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.39	(-16.39)	-14.45 k	-35.47	(-15.47)	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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TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 03:05:44 PM Jan 30, 2023 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 -9.00 -29.0 -39.0 -49.0 Mask Limit Absolute Limit Spectrum Center 435 MHz Span 120 kHz Total Power Ref 35.54 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.55</td><td>(-1.05)</td><td>0.0</td><td>35.55</td><td>(-1.05)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.83</td><td>(-7.17)</td><td>-12.20 k</td><td>-39.75</td><td>(-7.10)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.36</td><td>(-18.36)</td><td>-18.40 k</td><td>-37.87</td><td>(-17.87)</td><td>18.40 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <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	35.55	(-1.05)	0.0	35.55	(-1.05)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.83	(-7.17)	-12.20 k	-39.75	(-7.10)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.36	(-18.36)	-18.40 k	-37.87	(-17.87)	18.40 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

Appendix 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 50.0 AC SENSE: PULSE ALIGN: AUTO 03:06:06 PM Jan 10, 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 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 -9.00 -19.0 -29.0 -39.0 -49.0 Center 435 MHz Span 120 kHz Total Power Ref 35.57 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>34.77</td><td>(-1.83)</td><td>0.0</td><td>34.77</td><td>(-1.83)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.57</td><td>(-3.74)</td><td>-12.50 k</td><td>-36.09</td><td>(-1.62)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.29</td><td>(-15.29)</td><td>-12.75 k</td><td>-36.34</td><td>(-16.34)</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> MSO 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	34.77	(-1.83)	0.0	34.77	(-1.83)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.57	(-3.74)	-12.50 k	-36.09	(-1.62)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.29	(-15.29)	-12.75 k	-36.34	(-16.34)	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	—	(—)	—	—	(—)	—	Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz AutoMan Freq Offset 0 Hz
		Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																									
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CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 03:13:13 PM Jan 10, 2023 Center Freq 479.900000 MHz Center Freq: 479.900000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 -9.00 -19.0 -29.0 -39.0 -49.0 Center 479.9 MHz Span 120 kHz Total Power Ref 35.80 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.70</td><td>(-1.13)</td><td>0.0</td><td>35.70</td><td>(-1.13)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.70</td><td>(-6.08)</td><td>-12.50 k</td><td>-40.49</td><td>(-5.87)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.34</td><td>(-16.34)</td><td>-13.40 k</td><td>-36.25</td><td>(-16.25)</td><td>13.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled (STATUS)	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.70	(-1.13)	0.0	35.70	(-1.13)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.70	(-6.08)	-12.50 k	-40.49	(-5.87)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.34	(-16.34)	-13.40 k	-36.25	(-16.25)	13.35 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 479.900000 MHz CF Step 12.000 kHz AutoMan Freq Offset 0 Hz		
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 03:13:34 PM Jan 10, 2023 Center Freq 479.900000 MHz Center Freq: 479.900000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 21 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 9.00 -9.00 -19.0 -29.0 -39.0 -49.0 Center 479.9 MHz Span 120 kHz Total Power Ref 35.74 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > 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>34.96</td><td>(-1.87)</td><td>0.0</td><td>34.96</td><td>(-1.87)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.96</td><td>(-3.71)</td><td>-12.45 k</td><td>-35.39</td><td>(-2.23)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.43</td><td>(-15.43)</td><td>-14.00 k</td><td>-35.58</td><td>(-15.58)</td><td>14.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <Temp.png> saved (STATUS)	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	34.96	(-1.87)	0.0	34.96	(-1.87)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.96	(-3.71)	-12.45 k	-35.39	(-2.23)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.43	(-15.43)	-14.00 k	-35.58	(-15.58)	14.00 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	—	(—)	—	—	(—)	—	Frequency Center Freq 479.900000 MHz CF Step 12.000 kHz AutoMan Freq Offset 0 Hz
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