

Project No.	SHT2204009703EW		
Test sample No.	YPHT22040097003	Model No.	DP815
Start test date	2022/4/22	Finish date	2022/5/5
Temperature	22.8°C	Humidity	54%
Test Engineer	<i>Casper Chen</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

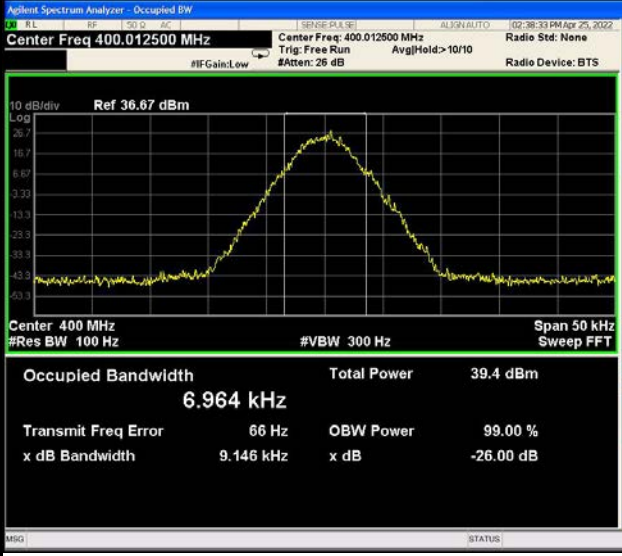
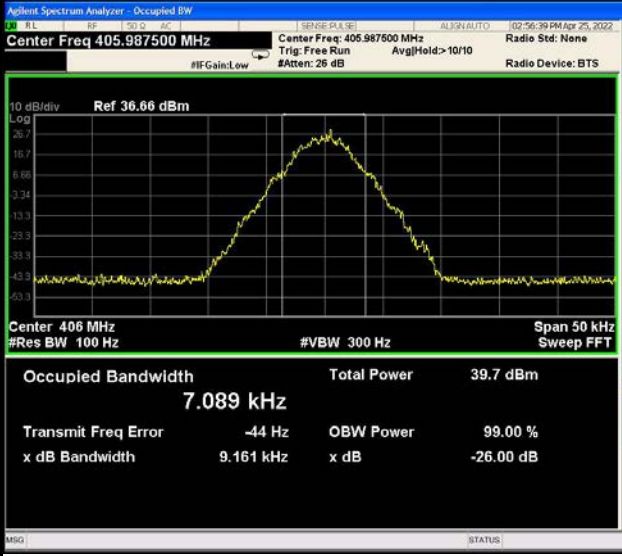
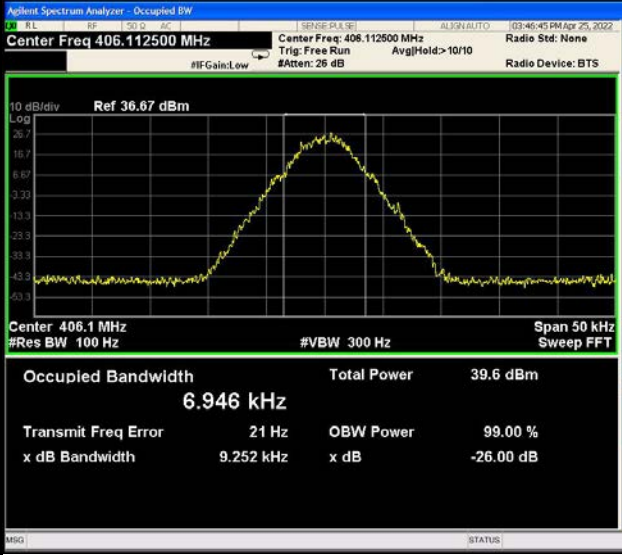
**Appendix A:Maximum Transmitter Power**

Operation Mode	Modulation Type	Test Channel	Measured Power (dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH <sub>L</sub>	32.7	1.87	2.00	-6.5	±20	PASS
TX-DNH	4FSK	CH <sub>M1</sub>	32.7	1.84	2.00	-8.0	±20	PASS
TX-DNH	4FSK	CH <sub>M2</sub>	32.7	1.85	2.00	-7.5	±20	PASS
TX-DNH	4FSK	CH <sub>M3</sub>	32.7	1.86	2.00	-7.0	±20	PASS
TX-DNH	4FSK	CH <sub>H</sub>	32.3	1.69	2.00	-15.5	±20	PASS
TX-DNL	4FSK	CH <sub>L</sub>	30.7	1.19	1.00	19.0	±20	PASS
TX-DNL	4FSK	CH <sub>M1</sub>	30.8	1.19	1.00	19.0	±20	PASS
TX-DNL	4FSK	CH <sub>M2</sub>	30.7	1.18	1.00	18.0	±20	PASS
TX-DNL	4FSK	CH <sub>M3</sub>	30.7	1.18	1.00	18.0	±20	PASS
TX-DNL	4FSK	CH <sub>H</sub>	30.1	1.03	1.00	3.0	±20	PASS
TX-ANH	FM	CH <sub>L</sub>	33.3	2.12	2.00	6.0	±20	PASS
TX-ANH	FM	CH <sub>M1</sub>	33.2	2.10	2.00	5.0	±20	PASS
TX-ANH	FM	CH <sub>M2</sub>	33.2	2.09	2.00	4.5	±20	PASS
TX-ANH	FM	CH <sub>M3</sub>	33.3	2.16	2.00	8.0	±20	PASS
TX-ANH	FM	CH <sub>H</sub>	32.9	1.94	2.00	-3.0	±20	PASS
TX-ANL	FM	CH <sub>L</sub>	30.5	1.12	1.00	12.0	±20	PASS
TX-ANL	FM	CH <sub>M1</sub>	30.7	1.17	1.00	17.0	±20	PASS
TX-ANL	FM	CH <sub>M2</sub>	30.3	1.07	1.00	7.0	±20	PASS
TX-ANL	FM	CH <sub>M3</sub>	30.3	1.07	1.00	7.0	±20	PASS
TX-ANL	FM	CH <sub>H</sub>	30.7	1.17	1.00	17.0	±20	PASS

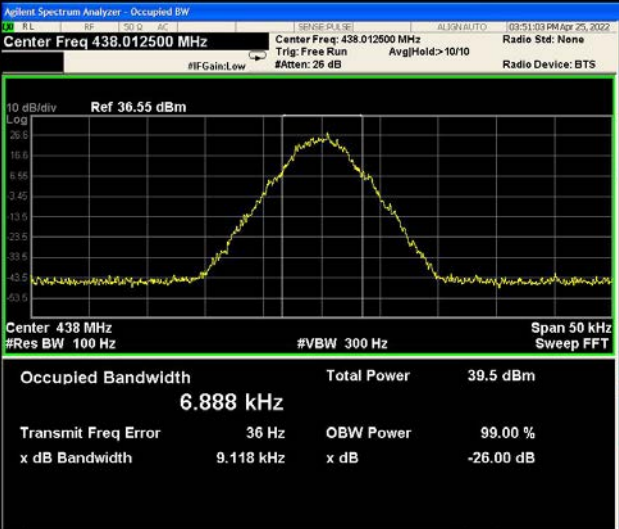
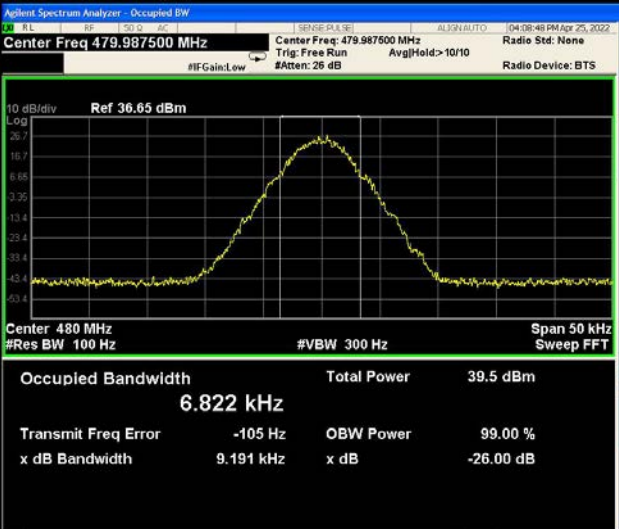
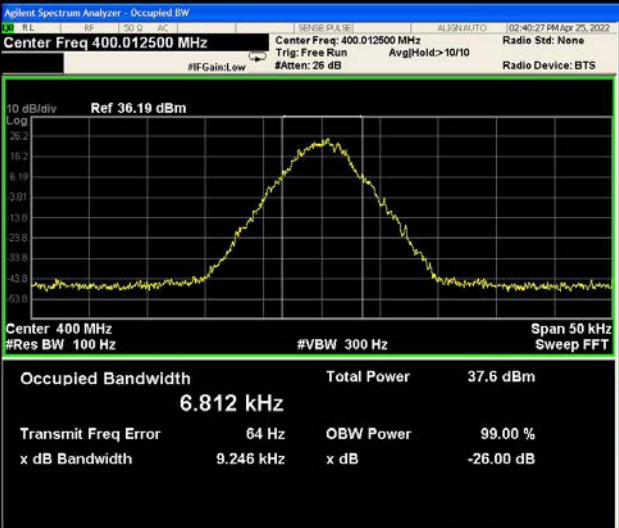
**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH <sub>L</sub>	6.964	9.146	≤ 11.25	PASS
TX-DNH	4FSK	CH <sub>M1</sub>	7.089	9.161	≤ 11.25	PASS
TX-DNH	4FSK	CH <sub>M2</sub>	6.946	9.252	≤ 11.25	PASS
TX-DNH	4FSK	CH <sub>M3</sub>	6.888	9.118	≤ 11.25	PASS
TX-DNH	4FSK	CH <sub>H</sub>	6.822	9.191	≤ 11.25	PASS
TX-DNL	4FSK	CH <sub>L</sub>	6.812	9.246	≤ 11.25	PASS
TX-DNL	4FSK	CH <sub>M1</sub>	6.890	9.325	≤ 11.25	PASS
TX-DNL	4FSK	CH <sub>M2</sub>	7.015	9.289	≤ 11.25	PASS
TX-DNL	4FSK	CH <sub>M3</sub>	6.969	9.550	≤ 11.25	PASS
TX-DNL	4FSK	CH <sub>H</sub>	6.864	9.161	≤ 11.25	PASS
TX-ANH	FM	CH <sub>L</sub>	7.518	10.120	≤ 11.25	PASS
TX-ANH	FM	CH <sub>M1</sub>	5.509	10.130	≤ 11.25	PASS
TX-ANH	FM	CH <sub>M2</sub>	5.262	10.120	≤ 11.25	PASS
TX-ANH	FM	CH <sub>M3</sub>	5.233	10.120	≤ 11.25	PASS
TX-ANH	FM	CH <sub>H</sub>	5.224	10.120	≤ 11.25	PASS
TX-ANL	FM	CH <sub>L</sub>	5.205	10.120	≤ 11.25	PASS
TX-ANL	FM	CH <sub>M1</sub>	5.958	10.130	≤ 11.25	PASS
TX-ANL	FM	CH <sub>M2</sub>	5.214	10.120	≤ 11.25	PASS
TX-ANL	FM	CH <sub>M3</sub>	5.224	10.110	≤ 11.25	PASS
TX-ANL	FM	CH <sub>H</sub>	5.227	10.110	≤ 11.25	PASS

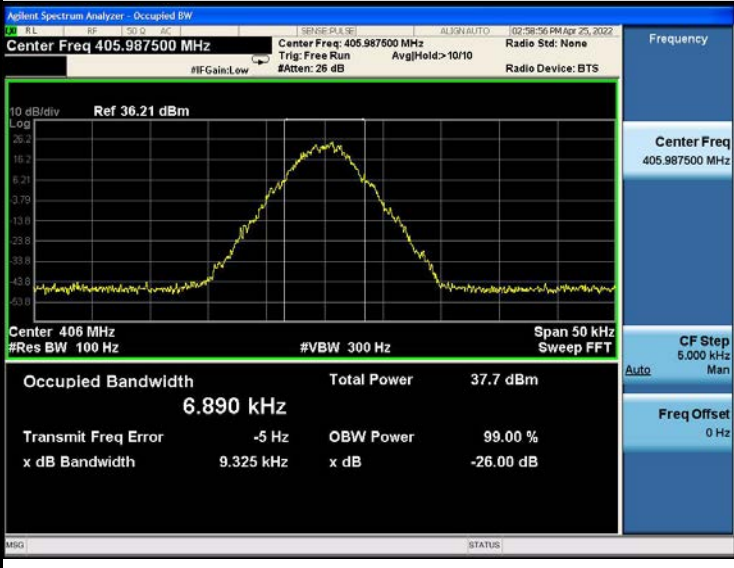
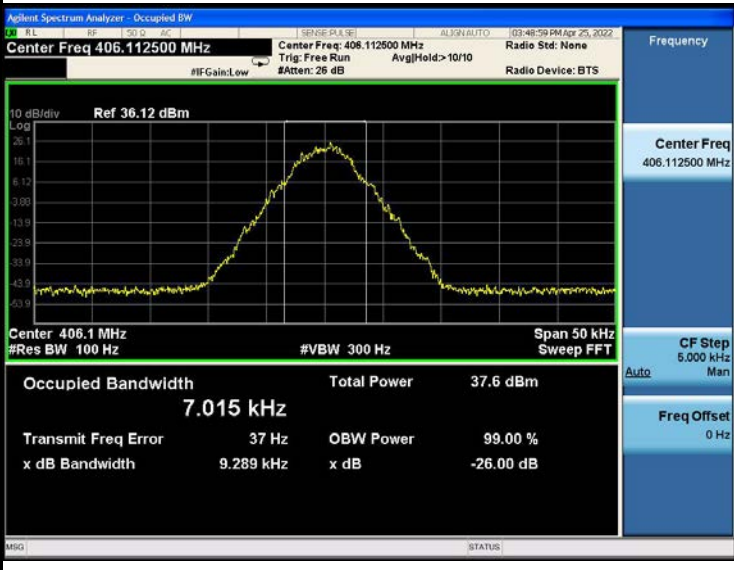
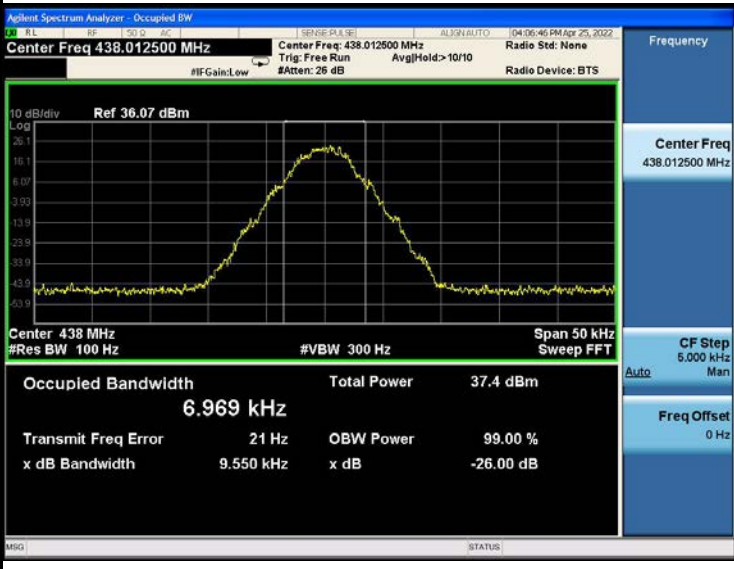
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Center Freq: 400.012500 MHz</p> <p>Trig: Free Run Avg/Hold&gt;10/10</p> <p>Radio Std: None</p> <p>#Gain:Low #Atten: 26 dB Radio Device: BTS</p> <p>10 dB/div Ref 36.67 dBm</p> <p>Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT</p> <p>Occupied Bandwidth 6.964 kHz Total Power 39.4 dBm</p> <p>Transmit Freq Error 66 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.146 kHz x dB -26.00 dB</p> <p>Frequency: 400.012500 MHz</p> <p>CF Step: 5.000 kHz</p> <p>Freq Offset: 0 Hz</p>
TX-DNH	4FSK	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Center Freq: 405.987500 MHz</p> <p>Trig: Free Run Avg/Hold&gt;10/10</p> <p>Radio Std: None</p> <p>#Gain:Low #Atten: 26 dB Radio Device: BTS</p> <p>10 dB/div Ref 36.66 dBm</p> <p>Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT</p> <p>Occupied Bandwidth 7.089 kHz Total Power 39.7 dBm</p> <p>Transmit Freq Error -44 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.161 kHz x dB -26.00 dB</p> <p>Frequency: 405.987500 MHz</p> <p>CF Step: 5.000 kHz</p> <p>Freq Offset: 0 Hz</p>
TX-DNH	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run Avg/Hold&gt;10/10</p> <p>Radio Std: None</p> <p>#Gain:Low #Atten: 26 dB Radio Device: BTS</p> <p>10 dB/div Ref 36.67 dBm</p> <p>Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT</p> <p>Occupied Bandwidth 6.946 kHz Total Power 39.6 dBm</p> <p>Transmit Freq Error 21 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.252 kHz x dB -26.00 dB</p> <p>Frequency: 406.112500 MHz</p> <p>CF Step: 5.000 kHz</p> <p>Freq Offset: 0 Hz</p>

**Appendix B:Occupied Bandwidth**

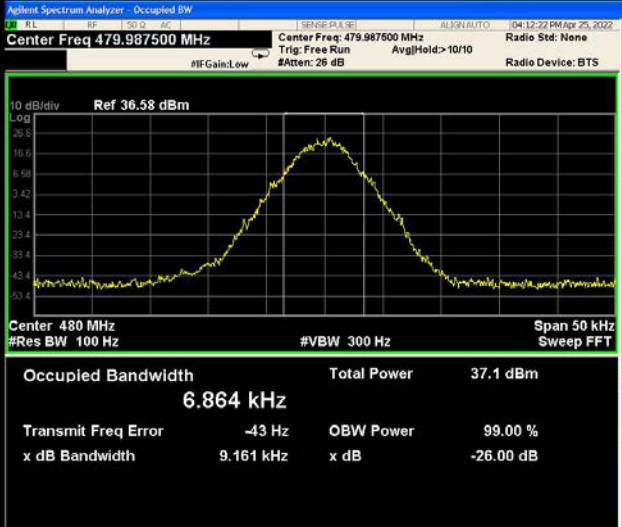
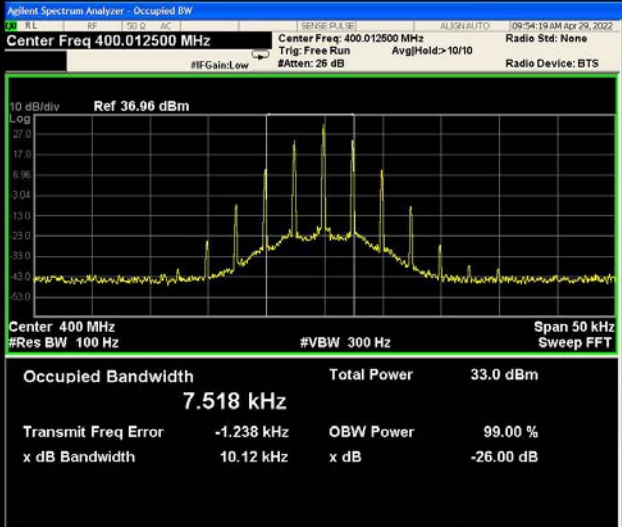
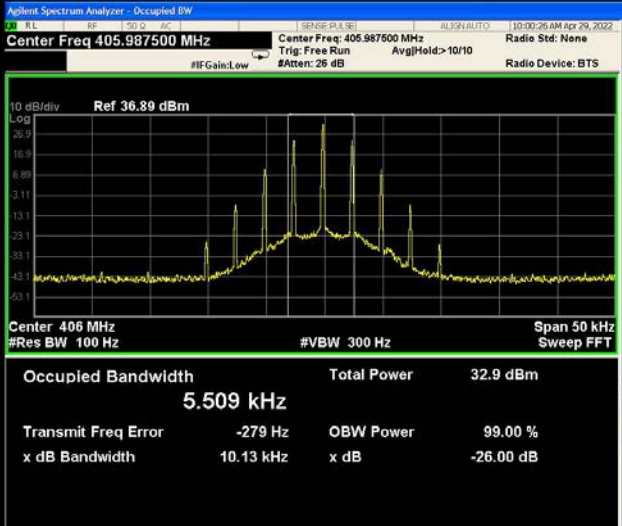
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH <sub>M3</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW                  Center Freq 438.012500 MHz                  Center Freq: 438.012500 MHz                  Trig: Free Run                  Avg/Hold: &gt;10/10                  Radio Std: None                  #Gain: Low                  #Atten: 26 dB                  Radio Device: BTS</p> <p>10 dB/div Ref 36.55 dBm</p> <p>Center 438 MHz                  #Res BW 100 Hz                  #VBW 300 Hz                  Span 50 kHz                  Sweep FFT</p> <p>Occupied Bandwidth 6.888 kHz                  Total Power 39.5 dBm</p> <p>Transmit Freq Error 36 Hz                  x dB Bandwidth 9.118 kHz                  OBW Power 99.00 %                  x dB -26.00 dB</p> <p>Frequency 438.012500 MHz                  CF Step 5.000 kHz                  Freq Offset 0 Hz</p>
TX-DNH	4FSK	CH <sub>H</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW                  Center Freq 479.987500 MHz                  Center Freq: 479.987500 MHz                  Trig: Free Run                  Avg/Hold: &gt;10/10                  Radio Std: None                  #Gain: Low                  #Atten: 26 dB                  Radio Device: BTS</p> <p>10 dB/div Ref 36.65 dBm</p> <p>Center 480 MHz                  #Res BW 100 Hz                  #VBW 300 Hz                  Span 50 kHz                  Sweep FFT</p> <p>Occupied Bandwidth 6.822 kHz                  Total Power 39.5 dBm</p> <p>Transmit Freq Error -105 Hz                  x dB Bandwidth 9.191 kHz                  OBW Power 99.00 %                  x dB -26.00 dB</p> <p>Frequency 479.987500 MHz                  CF Step 5.000 kHz                  Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW                  Center Freq 400.012500 MHz                  Center Freq: 400.012500 MHz                  Trig: Free Run                  Avg/Hold: &gt;10/10                  Radio Std: None                  #Gain: Low                  #Atten: 26 dB                  Radio Device: BTS</p> <p>10 dB/div Ref 36.19 dBm</p> <p>Center 400 MHz                  #Res BW 100 Hz                  #VBW 300 Hz                  Span 50 kHz                  Sweep FFT</p> <p>Occupied Bandwidth 6.812 kHz                  Total Power 37.6 dBm</p> <p>Transmit Freq Error 64 Hz                  x dB Bandwidth 9.246 kHz                  OBW Power 99.00 %                  x dB -26.00 dB</p> <p>Frequency 400.012500 MHz                  CF Step 5.000 kHz                  Freq Offset 0 Hz</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Center Freq: 405.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 26 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 36.21 dBm</p> <p>Center 406 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 6.890 kHz</p> <p>Total Power 37.7 dBm</p> <p>Transmit Freq Error -5 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.325 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 405.987500 MHz</p> <p>Center Freq 405.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 26 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 36.12 dBm</p> <p>Center 406.1 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 7.015 kHz</p> <p>Total Power 37.6 dBm</p> <p>Transmit Freq Error 37 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.289 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 406.112500 MHz</p> <p>Center Freq 406.112500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH <sub>M3</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz</p> <p>Center Freq: 438.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 26 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 36.07 dBm</p> <p>Center 438 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 6.969 kHz</p> <p>Total Power 37.4 dBm</p> <p>Transmit Freq Error 21 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.550 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 438.012500 MHz</p> <p>Center Freq 438.012500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH <sub>H</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Occupied Bandwidth: 6.864 kHz</p> <p>Total Power: 37.1 dBm</p> <p>Transmit Freq Error: -43 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 9.161 kHz</p> <p>x dB: -26.00 dB</p>
TX-ANH	FM	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Occupied Bandwidth: 7.518 kHz</p> <p>Total Power: 33.0 dBm</p> <p>Transmit Freq Error: -1.238 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 10.12 kHz</p> <p>x dB: -26.00 dB</p>
TX-ANH	FM	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Occupied Bandwidth: 5.509 kHz</p> <p>Total Power: 32.9 dBm</p> <p>Transmit Freq Error: -279 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 10.13 kHz</p> <p>x dB: -26.00 dB</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 26 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 36.84 dBm</p> <p>Center 406.1 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.262 kHz</p> <p>Total Power 32.9 dBm</p> <p>Transmit Freq Error -112 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 406.112500 MHz</p> <p>Center Freq 406.112500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANH	FM	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz</p> <p>Center Freq: 438.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 26 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 36.77 dBm</p> <p>Center 438 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.233 kHz</p> <p>Total Power 32.8 dBm</p> <p>Transmit Freq Error -155 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 438.012500 MHz</p> <p>Center Freq 438.012500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANH	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Center Freq: 479.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 26 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 36.74 dBm</p> <p>Center 480 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.224 kHz</p> <p>Total Power 32.9 dBm</p> <p>Transmit Freq Error -189 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 479.987500 MHz</p> <p>Center Freq 479.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>



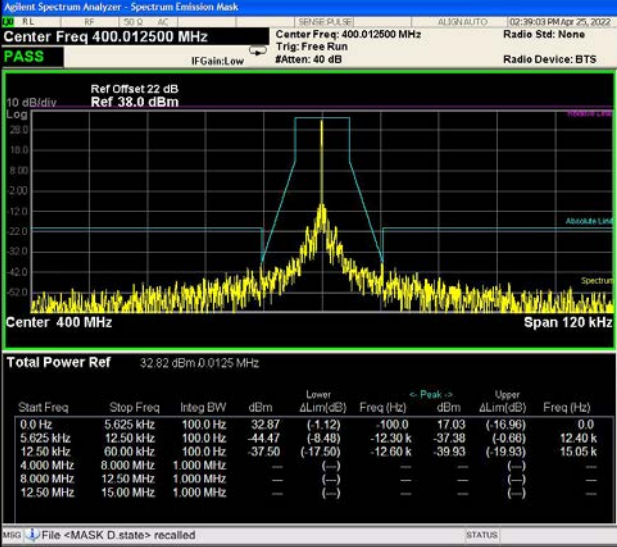
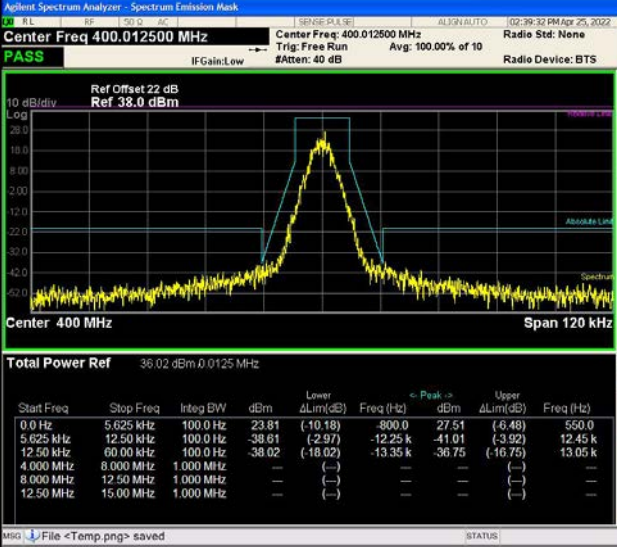
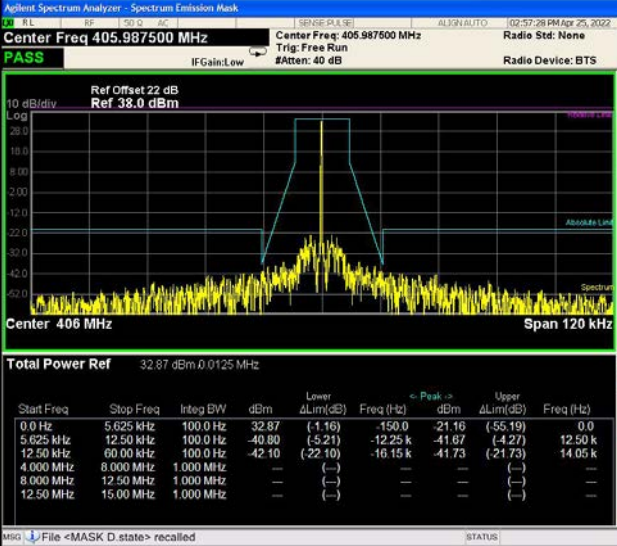
**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Center Freq: 400.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#FGain: Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 34.96 dBm</p> <p>Center 400 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.205 kHz</p> <p>Total Power 31.4 dBm</p> <p>Transmit Freq Error -124 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 400.012500 MHz</p> <p>Center Freq 400.012500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANL	FM	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Center Freq: 405.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#FGain: Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 35.06 dBm</p> <p>Center 406 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.958 kHz</p> <p>Total Power 31.1 dBm</p> <p>Transmit Freq Error -499 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.13 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 405.987500 MHz</p> <p>Center Freq 405.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANL	FM	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#FGain: Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 34.98 dBm</p> <p>Center 406.1 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.214 kHz</p> <p>Total Power 31.5 dBm</p> <p>Transmit Freq Error -116 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 406.112500 MHz</p> <p>Center Freq 406.112500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>

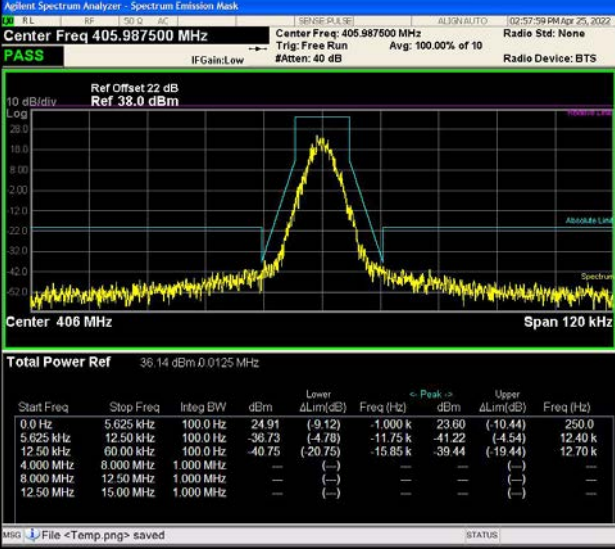
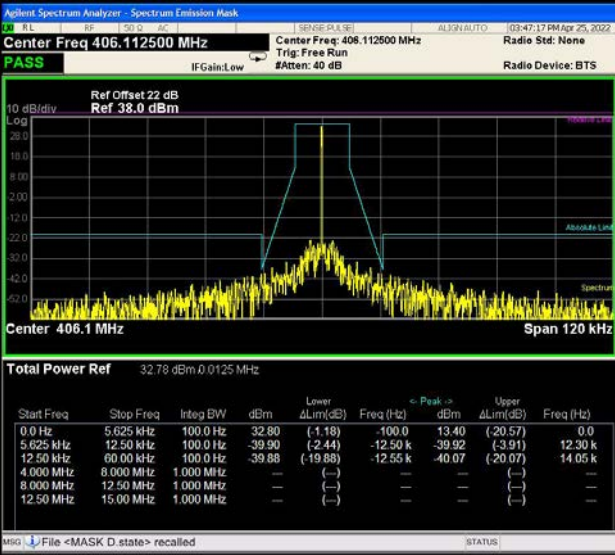
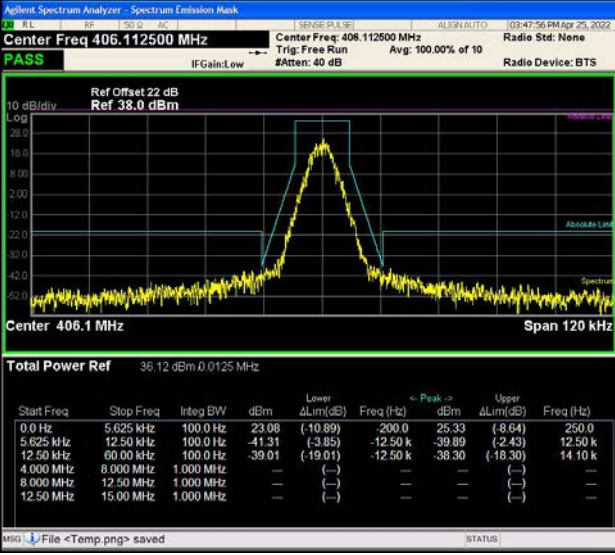
**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz</p> <p>Center Freq: 438.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 34.67 dBm</p> <p>Center 438 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.224 kHz</p> <p>Total Power 30.9 dBm</p> <p>Transmit Freq Error -160 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 438.012500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANL	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Center Freq: 479.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: &gt;10/10</p> <p>Radio Std: None</p> <p>#Gain: Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 34.58 dBm</p> <p>Center 480 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.227 kHz</p> <p>Total Power 30.7 dBm</p> <p>Transmit Freq Error -192 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 479.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>Ref Offset 22 dB Ref 38.0 dBm</p> <p>Total Power Ref 32.82 dBm 0.0125 MHz</p> <table border="1"> <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>32.87</td> <td>(-1.12)</td> <td>-100.0</td> <td>17.03</td> <td>(-16.96)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.47</td> <td>(-8.48)</td> <td>-12.30 k</td> <td>-37.38</td> <td>(-0.88)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-37.50</td> <td>(-17.50)</td> <td>-12.60 k</td> <td>-39.93</td> <td>(-19.93)</td> <td>15.05 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	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	32.87	(-1.12)	-100.0	17.03	(-16.96)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.47	(-8.48)	-12.30 k	-37.38	(-0.88)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.50	(-17.50)	-12.60 k	-39.93	(-19.93)	15.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 22 dB Ref 38.0 dBm</p> <p>Total Power Ref 32.78 dBm 0.0125 MHz</p> <table border="1"> <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>32.80</td> <td>(-1.18)</td> <td>-100.0</td> <td>13.40</td> <td>(-20.57)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.90</td> <td>(-2.44)</td> <td>-12.50 k</td> <td>-39.92</td> <td>(-3.91)</td> <td>12.90 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-39.88</td> <td>(-19.88)</td> <td>-12.55 k</td> <td>-40.07</td> <td>(-20.07)</td> <td>14.05 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>	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	32.80	(-1.18)	-100.0	13.40	(-20.57)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.90	(-2.44)	-12.50 k	-39.92	(-3.91)	12.90 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.88	(-19.88)	-12.55 k	-40.07	(-20.07)	14.05 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-DNH	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 22 dB Ref 38.0 dBm</p> <p>Total Power Ref 36.12 dBm 0.0125 MHz</p> <table border="1"> <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>23.08</td> <td>(-10.89)</td> <td>-200.0</td> <td>25.33</td> <td>(8.64)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.31</td> <td>(-3.85)</td> <td>-12.50 k</td> <td>-39.89</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>-39.01</td> <td>(-19.01)</td> <td>-12.50 k</td> <td>-38.30</td> <td>(-16.30)</td> <td>14.10 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>	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	23.08	(-10.89)	-200.0	25.33	(8.64)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.31	(-3.85)	-12.50 k	-39.89	(-2.43)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.01	(-19.01)	-12.50 k	-38.30	(-16.30)	14.10 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**

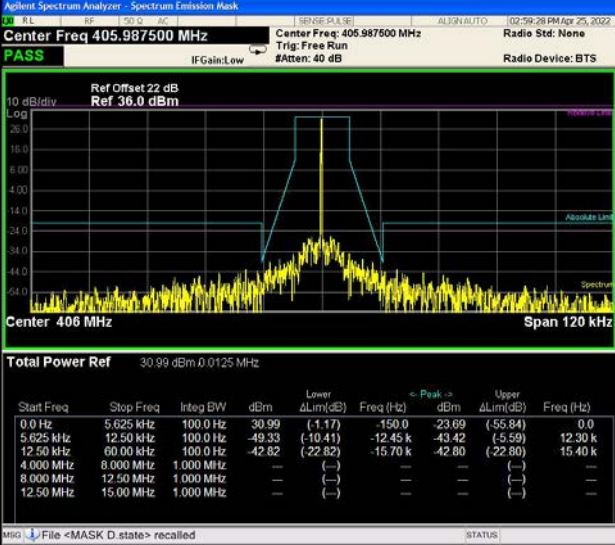
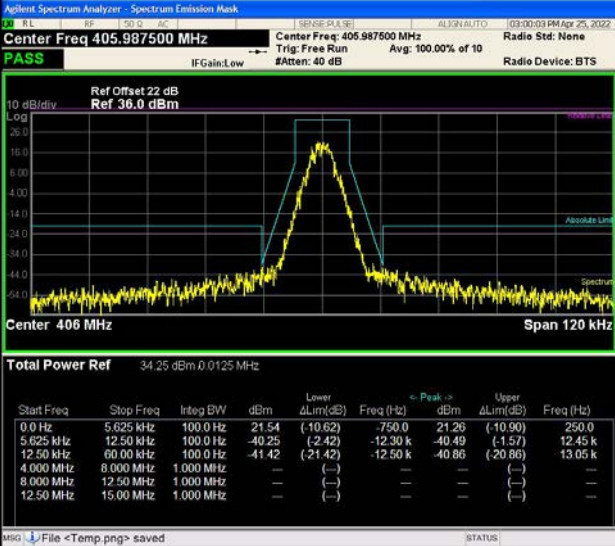
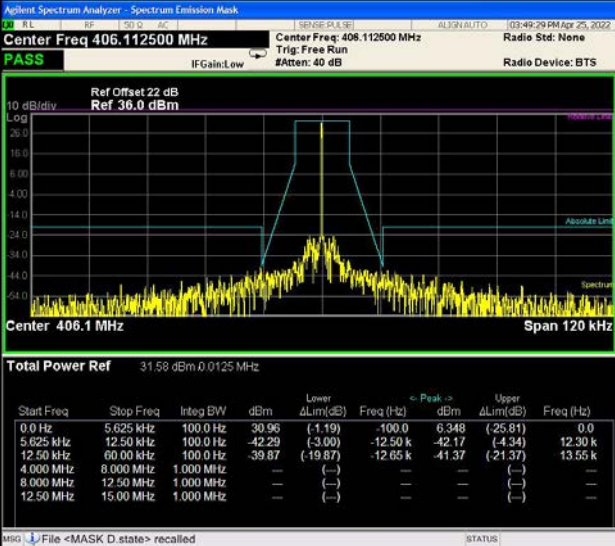
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 22 dB Ref 38.0 dBm</p> <p>Total Power Ref 32.38 dBm @ 0.0125 MHz</p> <table border="1"> <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>32.37</td> <td>(-1.50)</td> <td>-150.0</td> <td>-19.04</td> <td>(-52.91)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.90</td> <td>(-4.97)</td> <td>-12.00 k</td> <td>-39.81</td> <td>(-7.50)</td> <td>11.75 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-39.60</td> <td>(-19.00)</td> <td>-12.55 k</td> <td>-40.90</td> <td>(-20.95)</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>	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	32.37	(-1.50)	-150.0	-19.04	(-52.91)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.90	(-4.97)	-12.00 k	-39.81	(-7.50)	11.75 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.60	(-19.00)	-12.55 k	-40.90	(-20.95)	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**

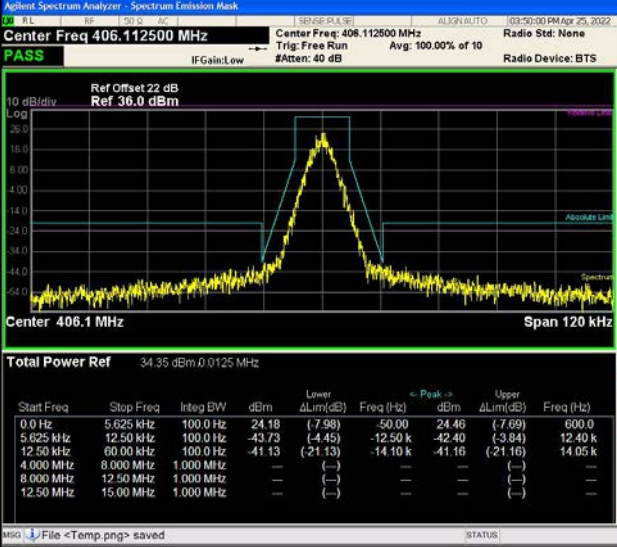
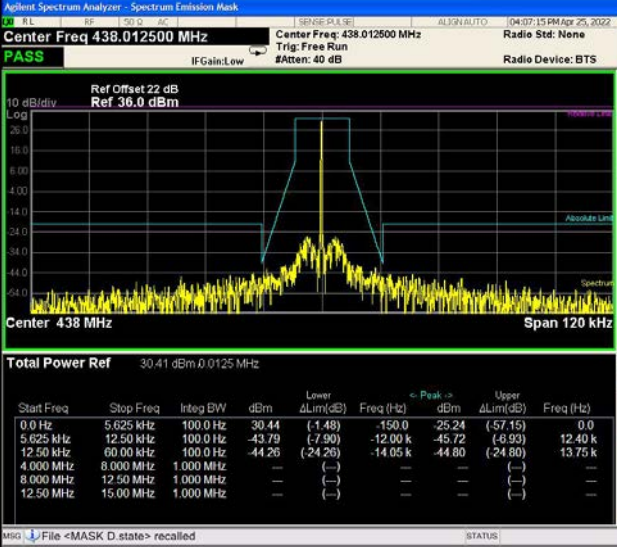
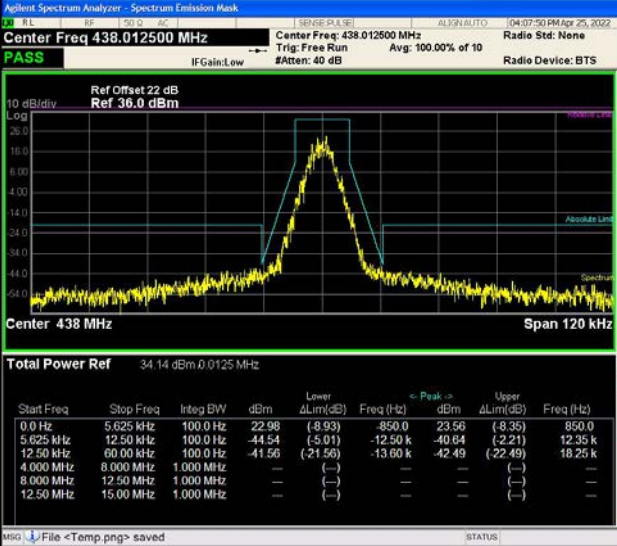
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TX-DNH	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 479.987500 MHz    Center Freq: 479.987500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg: 100.00% of 10    #Atten: 40 dB    Radio Device: BTS</p> <p>Ref Offset 22 dB    Ref 38.0 dBm</p> <p>10 dB/div    Log</p> <p>Center 480 MHz    Span 120 kHz</p> <p>Total Power Ref 35.86 dBm @ 0.0125 MHz</p> <table border="1"> <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>22.96</td> <td>(-10.90)</td> <td>-750.0</td> <td>24.21</td> <td>(9.65)</td> <td>950.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-40.88</td> <td>(-3.30)</td> <td>-12.50 k</td> <td>-40.38</td> <td>(-3.30)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.93</td> <td>(-16.93)</td> <td>-14.40 k</td> <td>-40.49</td> <td>(-20.49)</td> <td>12.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table> <p>MSO File &lt;Temp.png&gt; saved    STATUS</p>	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	22.96	(-10.90)	-750.0	24.21	(9.65)	950.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.88	(-3.30)	-12.50 k	-40.38	(-3.30)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.93	(-16.93)	-14.40 k	-40.49	(-20.49)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz    Center Freq: 400.012500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg: 100.00% of 10    #Atten: 40 dB    Radio Device: BTS</p> <p>Ref Offset 22 dB    Ref 36.0 dBm</p> <p>10 dB/div    Log</p> <p>Center 400 MHz    Span 120 kHz</p> <p>Total Power Ref 30.90 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.86</td> <td>(-1.16)</td> <td>-100.0</td> <td>7.814</td> <td>(-24.21)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-43.31</td> <td>(-4.26)</td> <td>-12.45 k</td> <td>-40.45</td> <td>(-1.77)</td> <td>12.40 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>-15.80 k</td> <td>-41.16</td> <td>(-21.16)</td> <td>15.60 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> <p>MSO File &lt;MASK D.state&gt; recalled    STATUS</p>	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	30.86	(-1.16)	-100.0	7.814	(-24.21)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.31	(-4.26)	-12.45 k	-40.45	(-1.77)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.15	(-21.15)	-15.80 k	-41.16	(-21.16)	15.60 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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>Ref Offset 22 dB Ref 36.0 dBm</p> <p>Total Power Ref 30.99 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.99</td> <td>(-1.17)</td> <td>-150.0</td> <td>-23.69</td> <td>(-55.84)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-49.33</td> <td>(-10.41)</td> <td>-12.45 k</td> <td>-43.42</td> <td>(-5.59)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.82</td> <td>(22.82)</td> <td>-15.70 k</td> <td>-42.80</td> <td>(22.80)</td> <td>15.40 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>	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	30.99	(-1.17)	-150.0	-23.69	(-55.84)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-49.33	(-10.41)	-12.45 k	-43.42	(-5.59)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.82	(22.82)	-15.70 k	-42.80	(22.80)	15.40 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 22 dB Ref 36.0 dBm</p> <p>Total Power Ref 31.58 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.96</td> <td>(-1.19)</td> <td>-100.0</td> <td>6.348</td> <td>(-25.81)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.29</td> <td>(-3.00)</td> <td>-12.50 k</td> <td>-42.17</td> <td>(-4.34)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-39.87</td> <td>(19.87)</td> <td>-12.65 k</td> <td>-41.37</td> <td>(21.37)</td> <td>13.65 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	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	30.96	(-1.19)	-100.0	6.348	(-25.81)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.29	(-3.00)	-12.50 k	-42.17	(-4.34)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.87	(19.87)	-12.65 k	-41.37	(21.37)	13.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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TX-ANH	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>Ref Offset 22 dB Ref 38.0 dBm</p> <p>Total Power Ref 33.26 dBm @ 0.0125 MHz</p> <table border="1"> <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>33.04</td> <td>(-1.41)</td> <td>-150.0</td> <td>-13.16</td> <td>(-47.61)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.89</td> <td>(-4.71)</td> <td>-12.50 k</td> <td>-41.44</td> <td>(-5.91)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.45</td> <td>(-16.45)</td> <td>-12.65 k</td> <td>-38.80</td> <td>(-18.88)</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>	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	33.04	(-1.41)	-150.0	-13.16	(-47.61)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.89	(-4.71)	-12.50 k	-41.44	(-5.91)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.45	(-16.45)	-12.65 k	-38.80	(-18.88)	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	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz    Center Freq: 400.012500 MHz    Radio Std: None</p> <p>PASS    IF Gain: Low    #Atten: 40 dB    Avg: 100.00% of 10    Radio Device: BTS</p> <p>Ref Offset 22 dB    Ref 38.0 dBm</p> <p>Center 400 MHz    Span 120 kHz</p> <p>Total Power Ref 33.54 dBm @ 0.0125 MHz</p> <table border="1"> <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>31.78</td> <td>(-2.67)</td> <td>-150.0</td> <td>23.98</td> <td>(-10.47)</td> <td>2.350 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.29</td> <td>(-2.48)</td> <td>-12.20 k</td> <td>-34.10</td> <td>(-0.48)</td> <td>12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.89</td> <td>(-16.89)</td> <td>-12.60 k</td> <td>-38.61</td> <td>(-18.61)</td> <td>17.20 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>	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	31.78	(-2.67)	-150.0	23.98	(-10.47)	2.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-37.29	(-2.48)	-12.20 k	-34.10	(-0.48)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.89	(-16.89)	-12.60 k	-38.61	(-18.61)	17.20 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

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TX-ANH	FM	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run</p> <p>#Atten: 40 dB</p> <p>Radio Device: BTS</p> <p>Ref Offset 22 dB</p> <p>Ref 38.0 dBm</p> <p>Center 406.1 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 33.10 dBm 0.0125 MHz</p> <table border="1"> <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>32.87</td> <td>(-1.49)</td> <td>-150.0</td> <td>-9.978</td> <td>(-44.34)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.08</td> <td>(-7.00)</td> <td>-12.50 k</td> <td>-44.27</td> <td>(-9.01)</td> <td>12.25 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.52</td> <td>(-20.52)</td> <td>-13.40 k</td> <td>-40.69</td> <td>(-20.69)</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> <p>MSO File &lt;MASK.D.state&gt; recalled</p>	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	32.87	(-1.49)	-150.0	-9.978	(-44.34)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.08	(-7.00)	-12.50 k	-44.27	(-9.01)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.52	(-20.52)	-13.40 k	-40.69	(-20.69)	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**

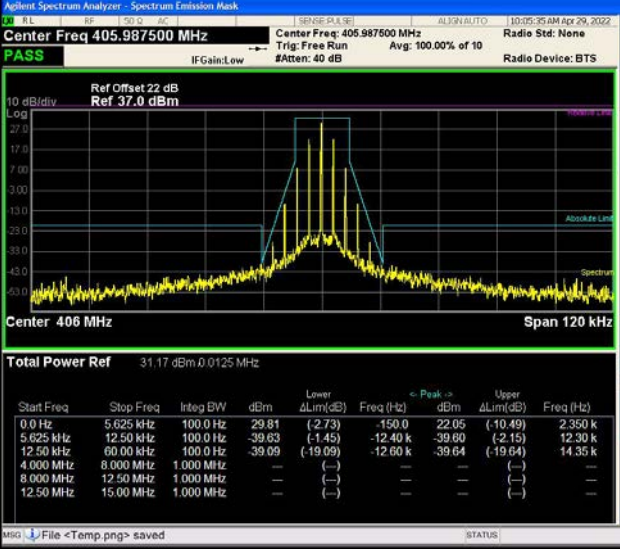
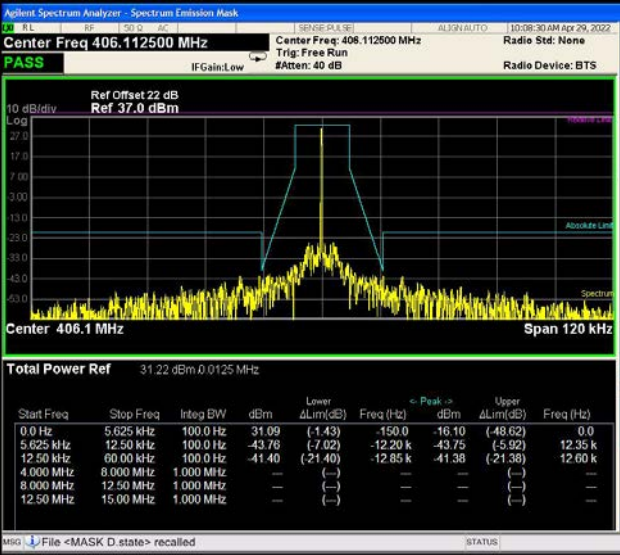
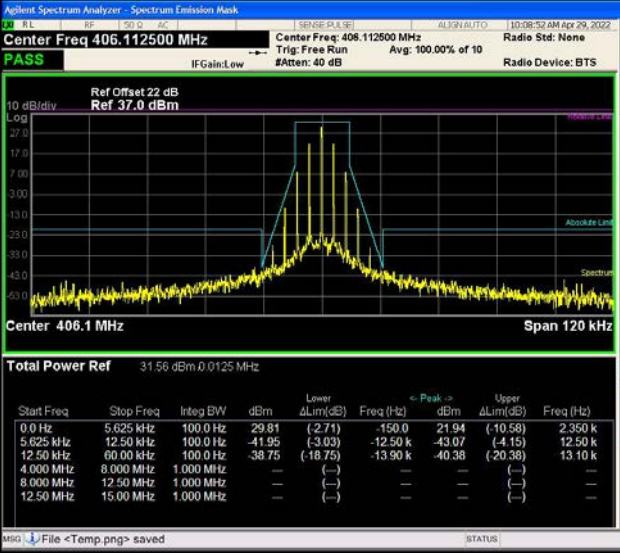
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**Appendix C:Emission Mask**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>Ref Offset 22 dB Ref 36.0 dBm</p> <p>Total Power Ref 31.20 dBm @ 0.0125 MHz</p> <table border="1"> <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>31.08</td> <td>(-1.39)</td> <td>-150.0</td> <td>-18.42</td> <td>(-50.89)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-43.07</td> <td>(-4.84)</td> <td>-12.40 k</td> <td>-40.46</td> <td>(-22.23)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.69</td> <td>(-21.89)</td> <td>-13.70 k</td> <td>-42.08</td> <td>(-22.08)</td> <td>13.40 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </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>	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	31.08	(-1.39)	-150.0	-18.42	(-50.89)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.07	(-4.84)	-12.40 k	-40.46	(-22.23)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.69	(-21.89)	-13.70 k	-42.08	(-22.08)	13.40 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>Ref Offset 22 dB Ref 37.0 dBm</p> <p>Total Power Ref 31.34 dBm @ 0.0125 MHz</p> <table border="1"> <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>31.11</td> <td>(-1.43)</td> <td>-200.0</td> <td>-24.48</td> <td>(-57.02)</td> <td>2.300 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.45</td> <td>(-5.55)</td> <td>-12.50 k</td> <td>-40.90</td> <td>(-3.48)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.94</td> <td>(-22.94)</td> <td>-18.35 k</td> <td>-42.59</td> <td>(-22.59)</td> <td>18.00 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	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	31.11	(-1.43)	-200.0	-24.48	(-57.02)	2.300 k	5.625 kHz	12.50 kHz	100.0 Hz	-44.45	(-5.55)	-12.50 k	-40.90	(-3.48)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.94	(-22.94)	-18.35 k	-42.59	(-22.59)	18.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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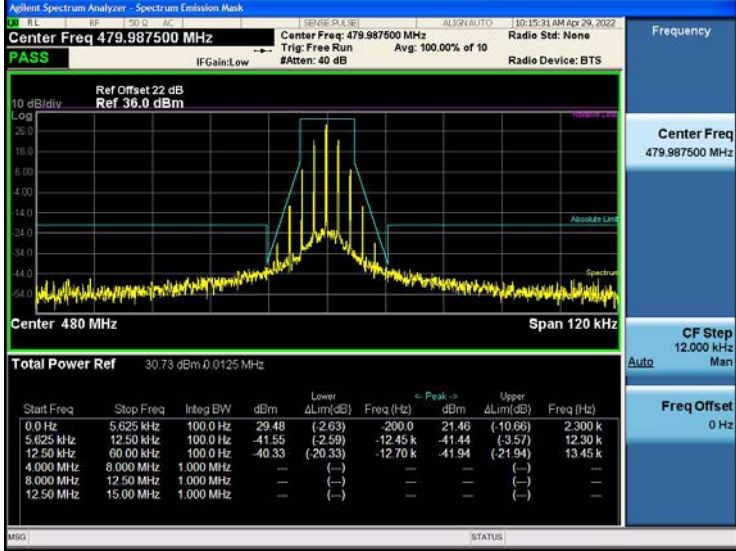
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**Appendix C:Emission Mask**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask                  Center Freq 438.012500 MHz                  Ref Offset 23 dB                  Ref 36.0 dBm                  Total Power Ref 31.83 dBm @ 0.0125 MHz</p> <table border="1"> <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>31.55</td> <td>(-0.76)</td> <td>-200.0</td> <td>-22.91</td> <td>(-55.22)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-43.67</td> <td>(-4.90)</td> <td>-12.45 k</td> <td>-42.81</td> <td>(-5.13)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.50</td> <td>(-20.50)</td> <td>-14.80 k</td> <td>-39.75</td> <td>(-19.75)</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>	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	31.55	(-0.76)	-200.0	-22.91	(-55.22)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.67	(-4.90)	-12.45 k	-42.81	(-5.13)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.50	(-20.50)	-14.80 k	-39.75	(-19.75)	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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Appendix C:Emission Mask

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TX-ANL	FM	CH <sub>H</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 479.987500 MHz</p> <p>Center Freq: 479.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg: 100.00% of 10</p> <p>Radio Std: None</p> <p>IF Gain: Low</p> <p>#Atten: 40 dB</p> <p>Radio Device: BTS</p> <p>Ref Offset 22 dB</p> <p>Ref 36.0 dBm</p> <p>Log</p> <p>10 dB/div</p> <p>36.0</p> <p>16.0</p> <p>6.00</p> <p>-4.00</p> <p>-24.0</p> <p>-44.0</p> <p>-64.0</p> <p>Center 480 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 30.73 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.48</td> <td>(-2.63)</td> <td>-200.0</td> <td>21.46</td> <td>(-10.66)</td> <td>2.300 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.55</td> <td>(-2.59)</td> <td>-12.45 k</td> <td>-11.44</td> <td>(-3.57)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.33</td> <td>(-20.33)</td> <td>-12.70 k</td> <td>-11.94</td> <td>(-21.94)</td> <td>13.45 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> <p>Frequency 479.987500 MHz</p> <p>CF Step 12.000 kHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p> <p>MSO STATUS</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.48	(-2.63)	-200.0	21.46	(-10.66)	2.300 k	5.625 kHz	12.50 kHz	100.0 Hz	-41.55	(-2.59)	-12.45 k	-11.44	(-3.57)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.33	(-20.33)	-12.70 k	-11.94	(-21.94)	13.45 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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**Appendix D:Modulation Limit**

Operatio n Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Result
				300Hz	1004Hz	1500Hz	2500 Hz		
TX-ANH	FM	CH <sub>M2</sub>	-20	0.091	0.193	0.274	0.361	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	-15	0.125	0.311	0.456	0.614	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	-10	0.169	0.505	0.756	1.031	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	-5	0.263	0.853	1.337	1.812	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	0	0.437	1.51	1.836	1.93	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	5	0.753	1.95	1.955	1.934	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	10	1.283	1.955	1.96	1.931	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	15	1.789	1.952	1.964	1.929	2.5	PASS
TX-ANH	FM	CH <sub>M2</sub>	20	1.92	1.95	1.955	1.933	2.5	PASS



Appendix D:Modulation Limit

TEST PLOT RESULT



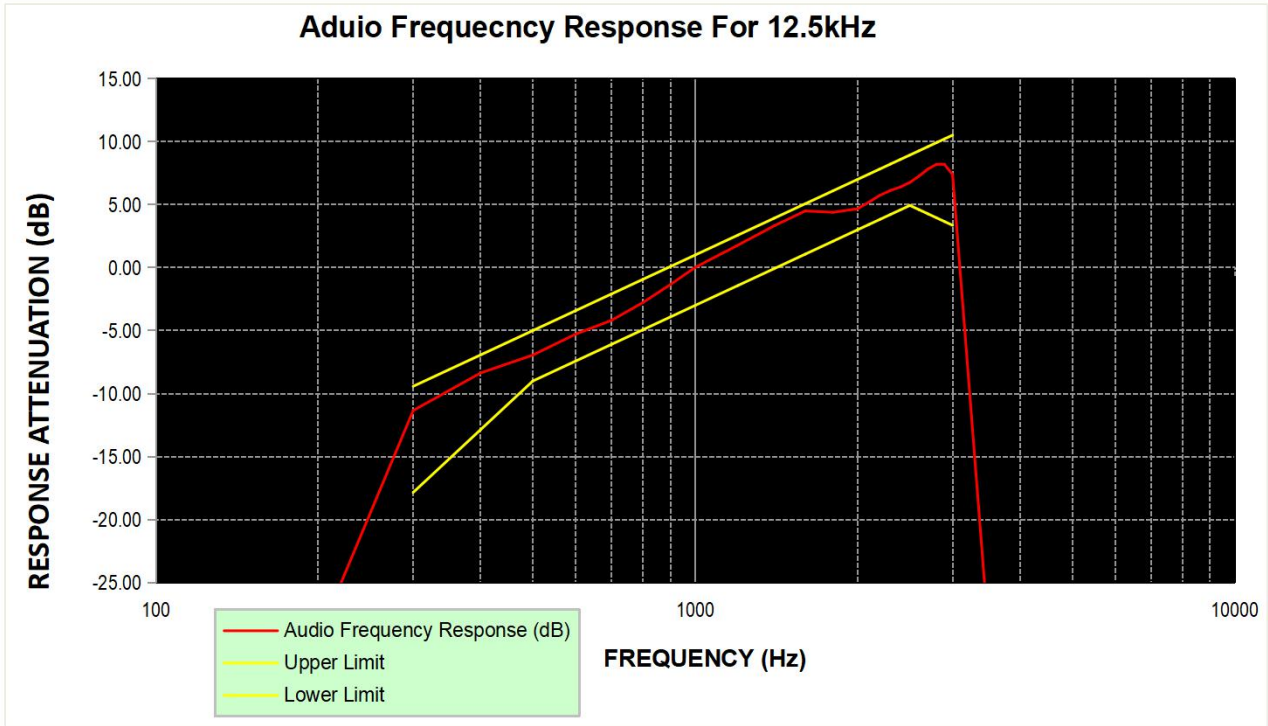


**Appendix E:Audio Frequency Response**

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH <sub>M2</sub>	100	-29.42			PASS
TX-ANH	FM	CH <sub>M2</sub>	200	-29.34			PASS
TX-ANH	FM	CH <sub>M2</sub>	300	-11.34	-17.84	-9.42	PASS
TX-ANH	FM	CH <sub>M2</sub>	400	-8.36	-12.86	-6.93	PASS
TX-ANH	FM	CH <sub>M2</sub>	500	-6.94	-9.00	-5.00	PASS
TX-ANH	FM	CH <sub>M2</sub>	600	-5.29	-7.42	-3.42	PASS
TX-ANH	FM	CH <sub>M2</sub>	700	-4.18	-6.09	-2.09	PASS
TX-ANH	FM	CH <sub>M2</sub>	800	-2.77	-4.93	-0.93	PASS
TX-ANH	FM	CH <sub>M2</sub>	900	-1.34	-3.91	0.09	PASS
TX-ANH	FM	CH <sub>M2</sub>	1000	0.02	-3.00	1.00	PASS
TX-ANH	FM	CH <sub>M2</sub>	1200	1.78	-1.42	2.58	PASS
TX-ANH	FM	CH <sub>M2</sub>	1400	3.31	-0.09	3.91	PASS
TX-ANH	FM	CH <sub>M2</sub>	1600	4.50	1.07	5.07	PASS
TX-ANH	FM	CH <sub>M2</sub>	1800	4.38	2.09	6.09	PASS
TX-ANH	FM	CH <sub>M2</sub>	2000	4.67	3.00	7.00	PASS
TX-ANH	FM	CH <sub>M2</sub>	2100	5.20	3.42	7.42	PASS
TX-ANH	FM	CH <sub>M2</sub>	2200	5.74	3.83	7.83	PASS
TX-ANH	FM	CH <sub>M2</sub>	2300	6.12	4.21	8.21	PASS
TX-ANH	FM	CH <sub>M2</sub>	2400	6.39	4.58	8.58	PASS
TX-ANH	FM	CH <sub>M2</sub>	2500	6.76	4.93	8.93	PASS
TX-ANH	FM	CH <sub>M2</sub>	2600	7.26	4.59	9.27	PASS
TX-ANH	FM	CH <sub>M2</sub>	2700	7.82	4.27	9.60	PASS
TX-ANH	FM	CH <sub>M2</sub>	2800	8.19	3.95	9.91	PASS
TX-ANH	FM	CH <sub>M2</sub>	2900	8.17	3.65	10.22	PASS
TX-ANH	FM	CH <sub>M2</sub>	3000	7.37	3.35	10.51	PASS
TX-ANH	FM	CH <sub>M2</sub>	3500	-29.30			PASS
TX-ANH	FM	CH <sub>M2</sub>	4000	-29.44			PASS
TX-ANH	FM	CH <sub>M2</sub>	4500	-29.28			PASS
TX-ANH	FM	CH <sub>M2</sub>	5000	-29.33			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



Note: The highest audio frequency response at 3kHz<3.125kHz, so meet the requirement.

**Appendix F:Frequency Stability Test & Temperature**

Operatio n Mode	Modulati on Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Tempera ture	CH <sub>L</sub>	CH <sub>M1</sub>	CH <sub>M2</sub>	CH <sub>M3</sub>	CH <sub>H</sub>		
TX-DNH	4FSK	V <sub>N</sub>	-30	-0.173	-0.221	-0.160	-0.220	-0.249	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	-20	-0.160	-0.216	-0.165	-0.214	-0.233	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	-10	-0.174	-0.221	-0.160	-0.220	-0.242	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	0	-0.169	-0.218	-0.166	-0.209	-0.247	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	10	-0.162	-0.217	-0.175	-0.215	-0.250	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	20	-0.158	-0.207	-0.160	-0.205	-0.233	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	30	-0.171	-0.215	-0.168	-0.216	-0.248	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	40	-0.169	-0.226	-0.160	-0.207	-0.248	±5.0	PASS
TX-DNH	4FSK	V <sub>N</sub>	50	-0.161	-0.216	-0.172	-0.212	-0.254	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	-30	-0.169	-0.216	-0.165	-0.227	-0.245	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	-20	-0.169	-0.226	-0.172	-0.224	-0.248	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	-10	-0.175	-0.215	-0.169	-0.215	-0.251	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	0	-0.169	-0.215	-0.181	-0.223	-0.239	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	10	-0.166	-0.224	-0.166	-0.216	-0.253	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	20	-0.162	-0.212	-0.165	-0.212	-0.239	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	30	-0.171	-0.216	-0.168	-0.226	-0.240	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	40	-0.164	-0.212	-0.174	-0.219	-0.257	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	50	-0.174	-0.231	-0.173	-0.221	-0.252	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	-30	-0.265	-0.352	-0.255	-0.353	-0.353	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	-20	-0.285	-0.345	-0.266	-0.352	-0.370	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	-10	-0.279	-0.371	-0.266	-0.348	-0.355	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	0	-0.277	-0.351	-0.259	-0.327	-0.365	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	10	-0.276	-0.357	-0.262	-0.333	-0.353	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	20	-0.262	-0.342	-0.248	-0.327	-0.342	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	30	-0.275	-0.368	-0.264	-0.342	-0.359	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	40	-0.273	-0.347	-0.261	-0.353	-0.358	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	50	-0.273	-0.343	-0.265	-0.352	-0.370	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	-30	-0.283	-0.378	-0.263	-0.341	-0.373	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	-20	-0.291	-0.378	-0.267	-0.363	-0.348	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	-10	-0.273	-0.368	-0.258	-0.360	-0.376	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	0	-0.293	-0.376	-0.272	-0.347	-0.366	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	10	-0.274	-0.360	-0.257	-0.349	-0.353	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	20	-0.272	-0.357	-0.252	-0.332	-0.347	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	30	-0.295	-0.377	-0.254	-0.350	-0.350	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	40	-0.290	-0.362	-0.274	-0.343	-0.359	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	50	-0.290	-0.360	-0.257	-0.342	-0.367	±5.0	PASS

**Appendix G:Frequency Stability Test & Voltage**

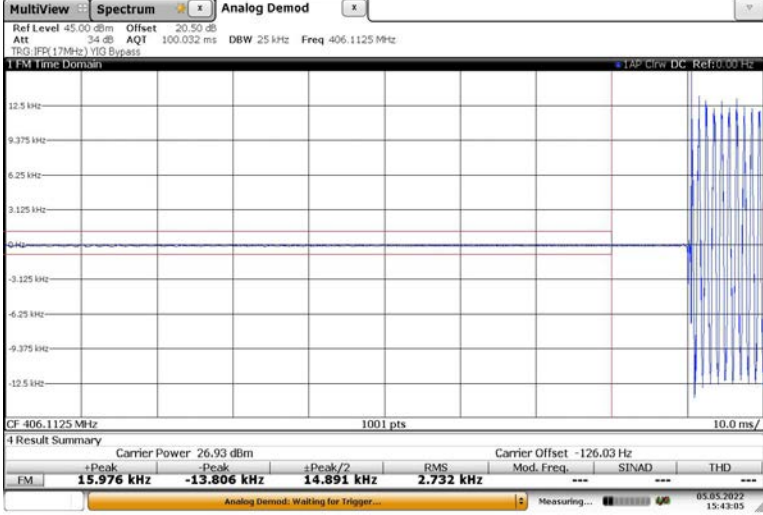
Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH <sub>L</sub>	CH <sub>M1</sub>	CH <sub>M2</sub>	CH <sub>M3</sub>	CH <sub>H</sub>		
TX-DNH	4FSK	V <sub>N</sub>	T <sub>N</sub>	-0.158	-0.207	-0.160	-0.205	-0.233	±5.0	PASS
TX-DNH	4FSK	V <sub>L</sub>	T <sub>N</sub>	-0.160	-0.209	-0.161	-0.205	-0.234	±5.0	PASS
TX-DNH	4FSK	V <sub>H</sub>	T <sub>N</sub>	-0.164	-0.219	-0.164	-0.207	-0.246	±5.0	PASS
TX-DNL	4FSK	V <sub>N</sub>	T <sub>N</sub>	-0.162	-0.212	-0.165	-0.212	-0.239	±5.0	PASS
TX-DNL	4FSK	V <sub>L</sub>	T <sub>N</sub>	-0.165	-0.214	-0.168	-0.213	-0.243	±5.0	PASS
TX-DNL	4FSK	V <sub>H</sub>	T <sub>N</sub>	-0.165	-0.218	-0.169	-0.223	-0.249	±5.0	PASS
TX-ANH	FM	V <sub>N</sub>	T <sub>N</sub>	-0.262	-0.342	-0.248	-0.327	-0.342	±5.0	PASS
TX-ANH	FM	V <sub>L</sub>	T <sub>N</sub>	-0.263	-0.343	-0.253	-0.330	-0.343	±5.0	PASS
TX-ANH	FM	V <sub>H</sub>	T <sub>N</sub>	-0.263	-0.351	-0.262	-0.345	-0.356	±5.0	PASS
TX-ANL	FM	V <sub>N</sub>	T <sub>N</sub>	-0.272	-0.357	-0.252	-0.332	-0.347	±5.0	PASS
TX-ANL	FM	V <sub>L</sub>	T <sub>N</sub>	-0.273	-0.359	-0.253	-0.332	-0.349	±5.0	PASS
TX-ANL	FM	V <sub>H</sub>	T <sub>N</sub>	-0.282	-0.365	-0.264	-0.335	-0.355	±5.0	PASS

**Appendix H:Transmitter Frequency Behavior**

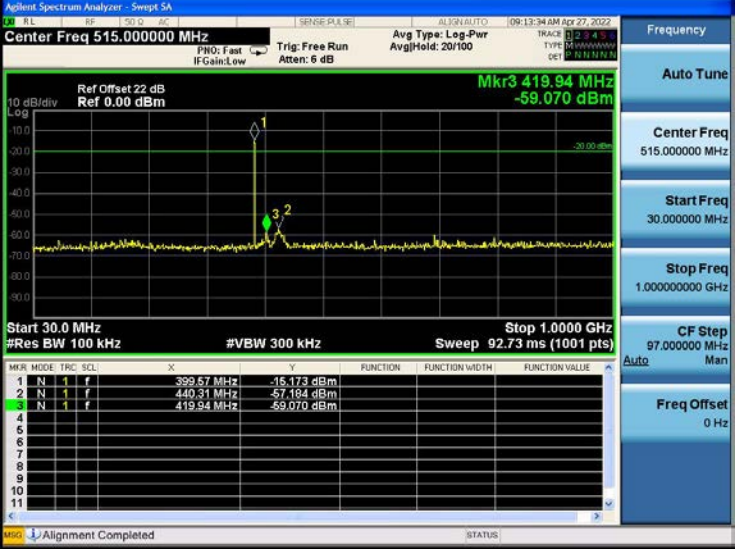
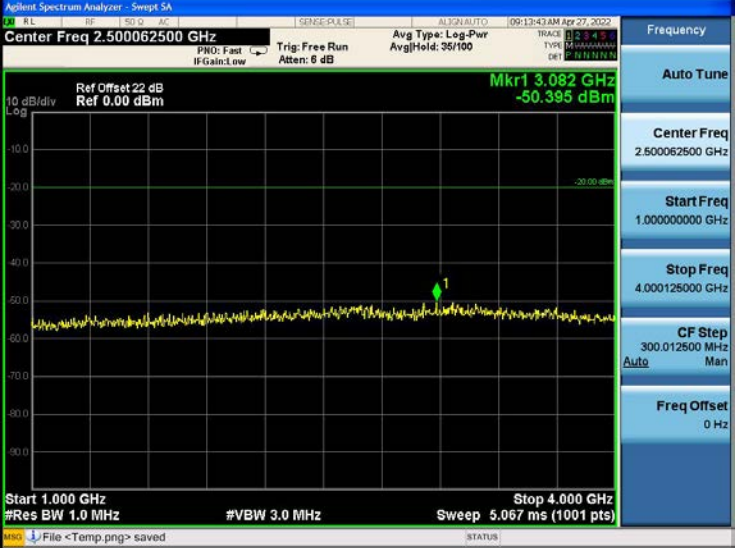
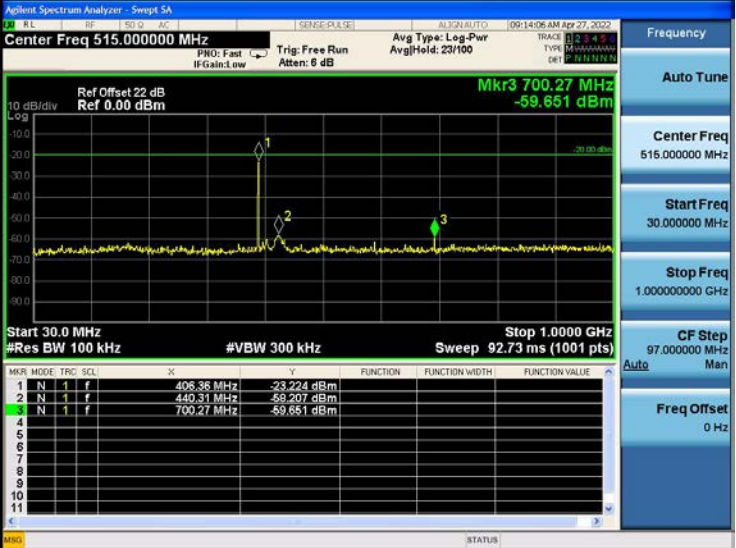
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																				
TX-DNH	4FSK	CH <sub>M2</sub>	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 45.00 dBm Offset 20.50 dB Att 34 dB AQT 100.032 ms DBW 25 kHz Freq 406.1125 MHz TRIG: IFX(17MHz) VIG Bypass</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <tr> <td>Carrier Power</td> <td>26.85 dBm</td> <td>Carrier Offset</td> <td>-123.88 Hz</td> </tr> <tr> <td>+Peak</td> <td>12.71 kHz</td> <td>-Peak</td> <td>-13.804 kHz</td> </tr> <tr> <td>+Peak/2</td> <td>13.257 kHz</td> <td>RMS</td> <td>2.7192 kHz</td> </tr> </table> <p>Mod. Freq. --- SINAD --- THD ---</p> <p>FM --- Analog Demod: Waiting for Trigger... Measuring... 05.05.2022 15:43:19</p> <p>Date: 5 MAY 2022 15:43:19</p>	Carrier Power	26.85 dBm	Carrier Offset	-123.88 Hz	+Peak	12.71 kHz	-Peak	-13.804 kHz	+Peak/2	13.257 kHz	RMS	2.7192 kHz								
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Carrier Power	26.93 dBm	Carrier Offset	-122.96 Hz																				
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TX-ANH	FM	CH <sub>M2</sub>	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 45.00 dBm Offset 20.50 dB Att 34 dB AQT 100.032 ms DBW 25 kHz Freq 406.1125 MHz TRIG: IFX(17MHz) VIG Bypass</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <tr> <td>Carrier Power</td> <td>26.85 dBm</td> <td>Carrier Offset</td> <td>-125.08 Hz</td> </tr> <tr> <td>+Peak</td> <td>13.643 kHz</td> <td>-Peak</td> <td>-12.617 kHz</td> </tr> <tr> <td>+Peak/2</td> <td>13.13 kHz</td> <td>RMS</td> <td>8.7162 kHz</td> </tr> <tr> <td>Mod. Freq.</td> <td>1.0357 kHz</td> <td>SINAD</td> <td>---</td> </tr> <tr> <td>THD</td> <td>---</td> <td></td> <td></td> </tr> </table> <p>FM --- Analog Demod: Waiting for Trigger... Measuring... 05.05.2022 15:43:23</p> <p>Date: 5 MAY 2022 15:43:23</p>	Carrier Power	26.85 dBm	Carrier Offset	-125.08 Hz	+Peak	13.643 kHz	-Peak	-12.617 kHz	+Peak/2	13.13 kHz	RMS	8.7162 kHz	Mod. Freq.	1.0357 kHz	SINAD	---	THD	---		
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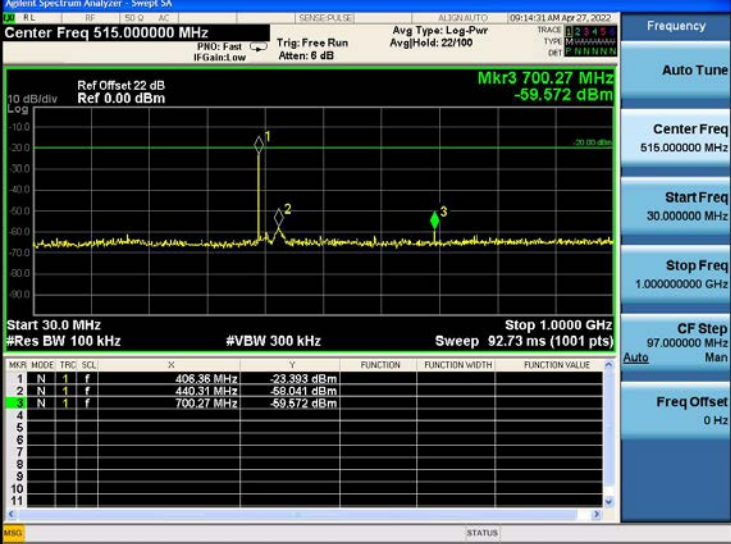

**Appendix H:Transmitter Frequency Behavior**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT												
TX-ANH	FM	CH <sub>M2</sub>	 <p>MultiView Spectrum Analog Demod</p> <p>Ref Level 45.00 dBm Offset 20.50 dB          Att 34 dB AQT 100.032 ms DBW 25 kHz Freq 406.1125 MHz          TRIG: IFB(17MHz) VIG Bypass</p> <p>CF: 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <thead> <tr> <th colspan="2">Carrier Power 26.93 dBm</th> <th colspan="2">Carrier Offset -126.03 Hz</th> </tr> <tr> <th>+Peak</th> <th>-Peak</th> <th>+Peak/2</th> <th>RMS</th> </tr> </thead> <tbody> <tr> <td>FM 15.976 kHz</td> <td>-13.806 kHz</td> <td>14.891 kHz</td> <td>2.732 kHz</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 05.05.2022 15:43:05</p> <p>Date: 5 MAY 2022 15:43:05</p>	Carrier Power 26.93 dBm		Carrier Offset -126.03 Hz		+Peak	-Peak	+Peak/2	RMS	FM 15.976 kHz	-13.806 kHz	14.891 kHz	2.732 kHz
Carrier Power 26.93 dBm		Carrier Offset -126.03 Hz													
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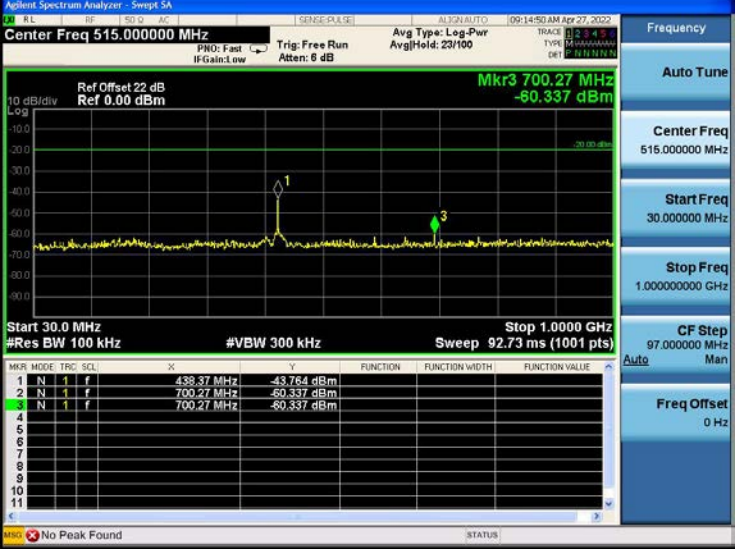

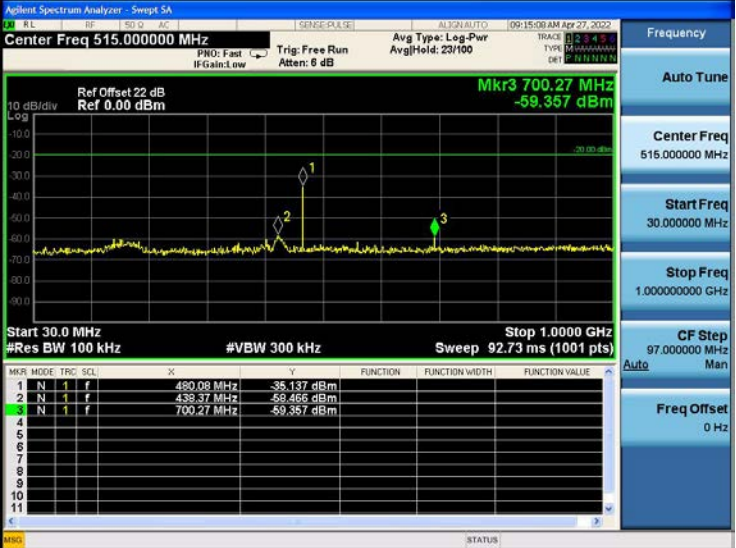
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-DNH	4FSK	CHL	 <table border="1" data-bbox="603 741 1220 898"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>399.57 MHz</td> <td>-15.173 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>440.31 MHz</td> <td>-57.184 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>419.94 MHz</td> <td>-59.070 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	399.57 MHz	-15.173 dBm				2	N	1	f	440.31 MHz	-57.184 dBm				3	N	1	f	419.94 MHz	-59.070 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																															
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TX-DNH	4FSK	CHM1	 <table border="1" data-bbox="603 1861 1220 2018"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>406.86 MHz</td> <td>-23.224 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>440.31 MHz</td> <td>-59.207 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-59.651 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	406.86 MHz	-23.224 dBm				2	N	1	f	440.31 MHz	-59.207 dBm				3	N	1	f	700.27 MHz	-59.651 dBm			
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Appendix I:Spurious Emission On Antenna Port


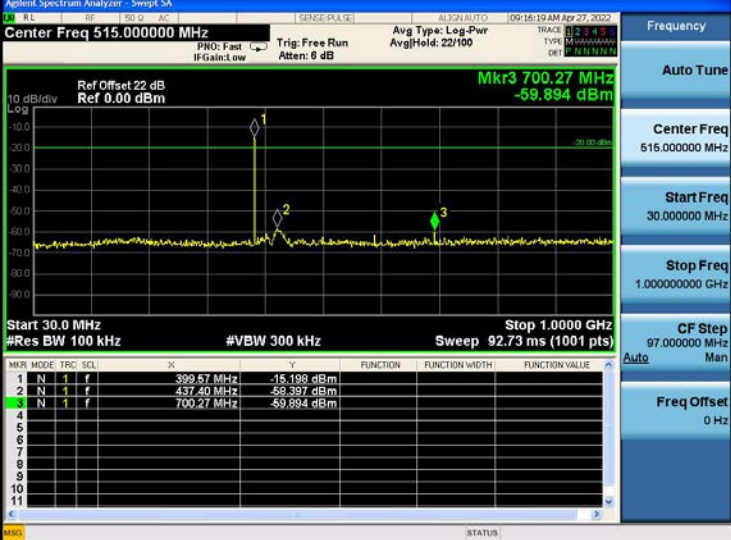

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-DNH	4FSK	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.529937500 GHz Ref Offset 22 dB, Ref 0.00 dBm Mkr1 3.292 GHz -50.389 dBm Start 1.000 GHz, #Res BW 1.0 MHz, #VBW 3.0 MHz, Sweep 5.133 ms (1001 pts) Stop 4.060 GHz</p>																																				
TX-DNH	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 22 dB, Ref 0.00 dBm Mkr3 700.27 MHz -59.572 dBm Start 30.0 MHz, #Res BW 100 kHz, #VBW 300 kHz, Sweep 92.73 ms (1001 pts) Stop 1.000 GHz</p> <table border="1" data-bbox="603 1310 1220 1467"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCN</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>406.36 MHz</td> <td>-23.393 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>440.31 MHz</td> <td>-59.041 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-59.572 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRIG	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	406.36 MHz	-23.393 dBm				2	N	1	f	440.31 MHz	-59.041 dBm				3	N	1	f	700.27 MHz	-59.572 dBm			
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TX-DNH	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.530562500 GHz Ref Offset 22 dB, Ref 0.00 dBm Mkr1 3.302 GHz -50.522 dBm Start 1.000 GHz, #Res BW 1.0 MHz, #VBW 3.0 MHz, Sweep 5.133 ms (1001 pts) Stop 4.061 GHz</p>																																				

Appendix I:Spurious Emission On Antenna Port

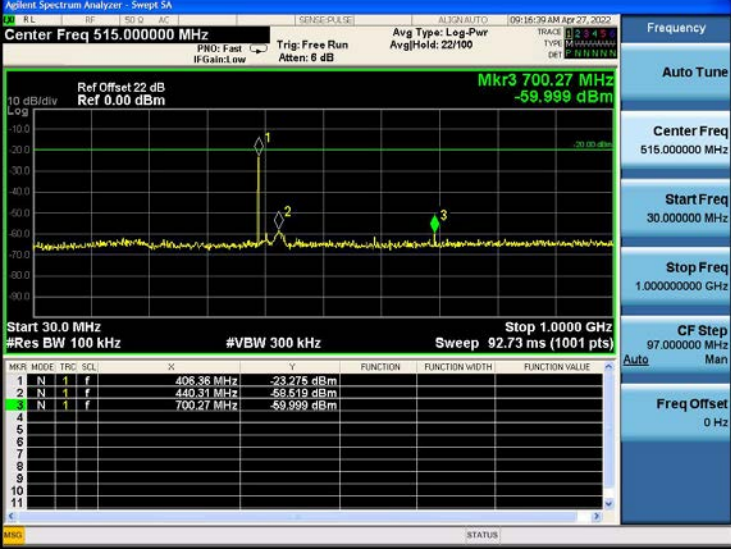

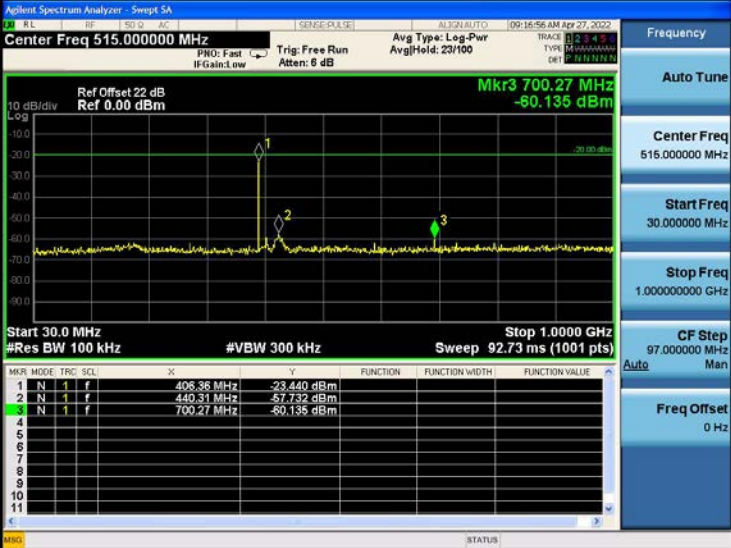
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TX-DNH	4FSK	CH <sub>H</sub>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 22 dB Ref 0.00 dBm</p> <p>Mkr3 700.27 MHz -59.357 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>480.08 MHz</td> <td>-35.137 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>438.37 MHz</td> <td>-59.466 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-59.357 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	480.08 MHz	-35.137 dBm				2	N	1	f	438.37 MHz	-59.466 dBm				3	N	1	f	700.27 MHz	-59.357 dBm			
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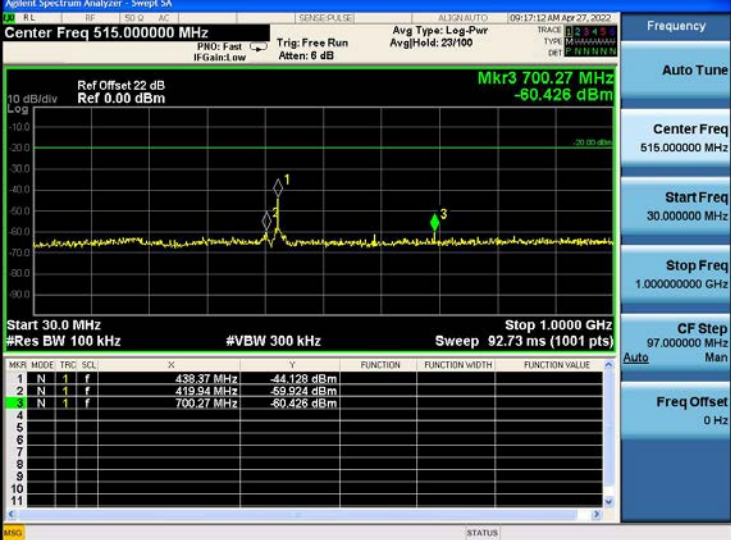

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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																												
TX-DNH	4FSK	CH <sub>H</sub>	 <p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.89937500 GHz          Ref Offset 22 dB, Ref 0.00 dBm          Mkr1 4.758 GHz, -49.936 dBm          Start 1.000 GHz, #Res BW 1.0 MHz, #VBW 3.0 MHz, Sweep 6.333 ms (1001 pts)          Stop 4.800 GHz</p>																																																																																																												
TX-ANH	FM	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Swept SA          Center Freq 515.000000 MHz          Ref Offset 22 dB, Ref 0.00 dBm          Mkr3 700.27 MHz, -59.894 dBm          Start 30.0 MHz, #Res BW 100 kHz, #VBW 300 kHz, Sweep 92.73 ms (1001 pts)          Stop 1.000 GHz</p> <table border="1" data-bbox="603 1310 1220 1467"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCAL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>399.57 MHz</td> <td>-15.198 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>437.40 MHz</td> <td>-59.397 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-59.894 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRIG	SCAL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	399.57 MHz	-15.198 dBm				2	N	1	f	437.40 MHz	-59.397 dBm				3	N	1	f	700.27 MHz	-59.894 dBm				4									5									6									7									8									9									10									11								
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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-ANH	FM	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 22 dB Ref 0.00 dBm</p> <p>Mkr3 700.27 MHz -59.999 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>406.36 MHz</td> <td>-23.275 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>440.31 MHz</td> <td>-58.619 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-59.999 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	406.36 MHz	-23.275 dBm				2	N	1	f	440.31 MHz	-58.619 dBm				3	N	1	f	700.27 MHz	-59.999 dBm			
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TX-ANH	FM	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 22 dB Ref 0.00 dBm</p> <p>Mkr3 700.27 MHz -80.135 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>406.36 MHz</td> <td>-23.440 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>440.31 MHz</td> <td>-57.732 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-80.135 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	406.36 MHz	-23.440 dBm				2	N	1	f	440.31 MHz	-57.732 dBm				3	N	1	f	700.27 MHz	-80.135 dBm			
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TX-ANH	FM	CH <sub>M3</sub>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 22 dB, Ref 0.00 dBm Mkr3 700.27 MHz -60.426 dBm Start 30.0 MHz, #Res BW 100 kHz, #VBW 300 kHz, Sweep 92.73 ms (1001 pts) Stop 1.000 GHz</p> <table border="1" data-bbox="603 1310 1220 1467"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCAL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>438.37 MHz</td> <td>-44.128 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>419.94 MHz</td> <td>-69.924 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-60.426 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRIG	SCAL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	438.37 MHz	-44.128 dBm				2	N	1	f	419.94 MHz	-69.924 dBm				3	N	1	f	700.27 MHz	-60.426 dBm			
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----End of Report----