

Project No.	SHT2101077005EW		
Test sample No.	YPHT21010770001	Model No.	DM-9800
Start test date	2021/2/26	Finish date	2021/3/1
Temperature	21.9℃	Humidity	59%
Test Engineer	Zijian Li	Auditor	Xiaodong Zhu

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	3/1	PASS
B	Occupied Bandwidth	3/1	PASS
C	Emission Mask	3/1	PASS
D	Modulation Limit	2/26	PASS
E	Audio Frequency Response	2/26	PASS
F	Frequency Stability Test & Temperature	3/1	PASS
G	Frequency Stability Test & Voltage	3/1	PASS
H	Transmitter Frequency Behavior	3/1	PASS
I	Spurious Emission On Antenna Port	3/3	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	47.00	50.119	45.0	11.4	±20	PASS
TX-DNH	4FSK	CH _{M1}	47.07	50.933	45.0	13.2	±20	PASS
TX-DNH	4FSK	CH _{M2}	47.06	50.816	45.0	12.9	±20	PASS
TX-DNH	4FSK	CH _{M3}	47.22	52.723	45.0	17.2	±20	PASS
TX-DNH	4FSK	CH _H	46.83	48.195	45.0	7.1	±20	PASS
TX-DNL	4FSK	CH _L	37.61	5.768	5.0	15.4	±20	PASS
TX-DNL	4FSK	CH _{M1}	37.56	5.702	5.0	14.0	±20	PASS
TX-DNL	4FSK	CH _{M2}	37.63	5.794	5.0	15.9	±20	PASS
TX-DNL	4FSK	CH _{M3}	37.75	5.957	5.0	19.1	±20	PASS
TX-DNL	4FSK	CH _H	37.33	5.408	5.0	8.2	±20	PASS
TX-ANH	FM	CH _L	46.73	47.098	45.0	4.7	±20	PASS
TX-ANH	FM	CH _{M1}	46.94	49.431	45.0	9.8	±20	PASS
TX-ANH	FM	CH _{M2}	46.89	48.865	45.0	8.6	±20	PASS
TX-ANH	FM	CH _{M3}	46.93	49.317	45.0	9.6	±20	PASS
TX-ANH	FM	CH _H	46.34	43.053	45.0	-4.3	±20	PASS
TX-ANL	FM	CH _L	37.50	5.623	5.0	12.5	±20	PASS
TX-ANL	FM	CH _{M1}	37.50	5.623	5.0	12.5	±20	PASS
TX-ANL	FM	CH _{M2}	37.49	5.610	5.0	12.2	±20	PASS
TX-ANL	FM	CH _{M3}	37.72	5.916	5.0	18.3	±20	PASS
TX-ANL	FM	CH _H	37.32	5.395	5.0	7.9	±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	7.502	9.205	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.446	9.214	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.437	9.206	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.466	9.231	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.186	9.162	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.193	9.184	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.380	9.204	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.338	9.195	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.576	9.222	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.445	9.208	≤11.25	PASS
TX-ANH	FM	CH _L	9.942	10.150	≤11.25	PASS
TX-ANH	FM	CH _{M1}	9.941	10.150	≤11.25	PASS
TX-ANH	FM	CH _{M2}	9.926	10.140	≤11.25	PASS
TX-ANH	FM	CH _{M3}	9.944	10.160	≤11.25	PASS
TX-ANH	FM	CH _H	9.943	10.150	≤11.25	PASS
TX-ANL	FM	CH _L	9.939	10.150	≤11.25	PASS
TX-ANL	FM	CH _{M1}	9.938	10.140	≤11.25	PASS
TX-ANL	FM	CH _{M2}	9.929	10.140	≤11.25	PASS
TX-ANL	FM	CH _{M3}	9.930	10.140	≤11.25	PASS
TX-ANL	FM	CH _H	9.943	10.150	≤11.25	PASS

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 50.31 dBm Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.502 kHz Total Power 51.6 dBm Transmit Freq Error 66 Hz OBW Power 99.00 % x dB Bandwidth 9.205 kHz x dB -26.00 dB Frequency 400.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 50.42 dBm Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.446 kHz Total Power 51.7 dBm Transmit Freq Error 127 Hz OBW Power 99.00 % x dB Bandwidth 9.214 kHz x dB -26.00 dB Frequency 405.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 50.36 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.437 kHz Total Power 51.5 dBm Transmit Freq Error 94 Hz OBW Power 99.00 % x dB Bandwidth 9.206 kHz x dB -26.00 dB Frequency 406.112500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Occupied BW Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 40 dB Ref 50.26 dBm 10 dB/div Log Center 443 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.466 kHz Total Power 51.5 dBm Transmit Freq Error 122 Hz OBW Power 99.00 % x dB Bandwidth 9.231 kHz x dB -26.00 dB Frequency Center Freq 443.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 40 dB Ref 50.51 dBm 10 dB/div Log Center 480 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.186 kHz Total Power 51.6 dBm Transmit Freq Error 126 Hz OBW Power 99.00 % x dB Bandwidth 9.162 kHz x dB -26.00 dB Frequency Center Freq 479.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS 1 DC Coupled
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 30 dB Ref 41.39 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.193 kHz Total Power 42.1 dBm Transmit Freq Error 72 Hz OBW Power 99.00 % x dB Bandwidth 9.184 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.46 dBm Center 405 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.380 kHz Total Power 42.2 dBm Transmit Freq Error 122 Hz OBW Power 99.00 % x dB Bandwidth 9.204 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.48 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.338 kHz Total Power 42.3 dBm Transmit Freq Error 124 Hz OBW Power 99.00 % x dB Bandwidth 9.195 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Occupied BW Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.63 dBm Center 443 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.576 kHz Total Power 42.1 dBm Transmit Freq Error 103 Hz OBW Power 99.00 % x dB Bandwidth 9.222 kHz x dB -26.00 dB Frequency Center Freq 443.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 02 dB Ref 42.04 dBm 10 dB/div Log Center 480 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.445 kHz Total Power 42.2 dBm Transmit Freq Error 115 Hz OBW Power 99.00 % x dB Bandwidth 9.208 kHz x dB -26.00 dB Frequency Center Freq 479.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS DC Coupled
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 40 dB Ref 50.21 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.942 kHz Total Power 46.4 dBm Transmit Freq Error -63 Hz OBW Power 99.00 % x dB Bandwidth 10.15 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 40 dB Ref 50.49 dBm 10 dB/div Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.941 kHz Total Power 46.6 dBm Transmit Freq Error -34 Hz OBW Power 99.00 % x dB Bandwidth 10.15 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

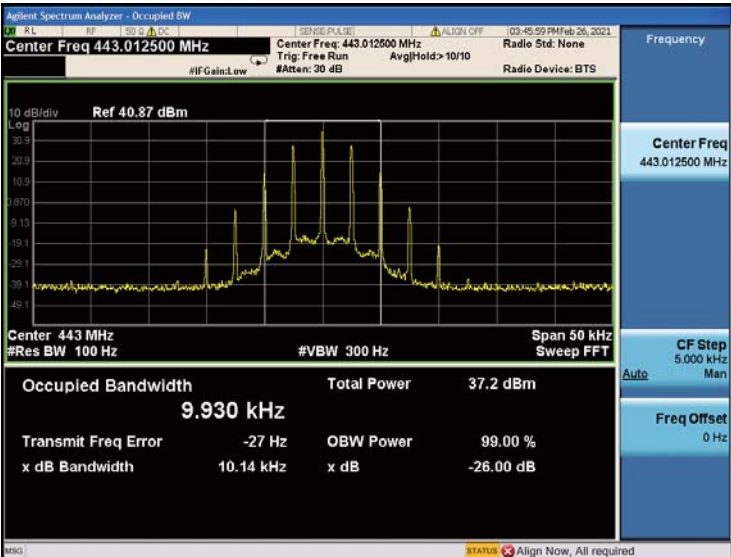
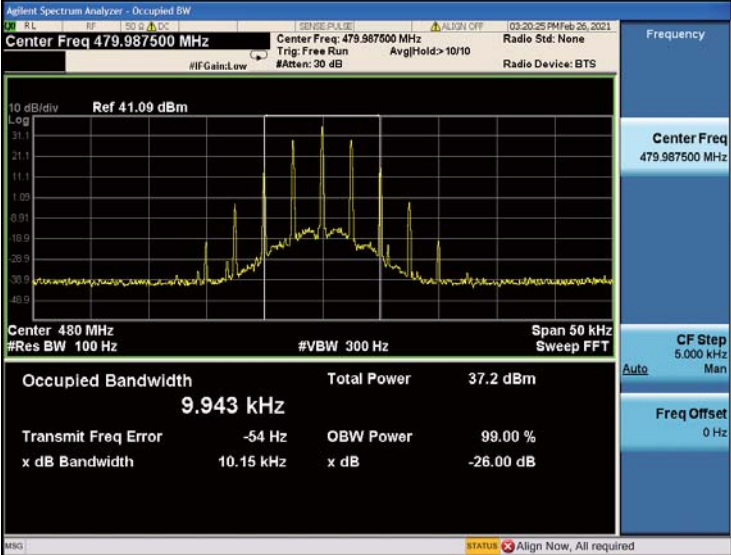
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 50.44 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.926 kHz Total Power 47.0 dBm Transmit Freq Error -27 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Occupied BW Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 50.13 dBm Center 443 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.944 kHz Total Power 46.2 dBm Transmit Freq Error -40 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 443.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 49.85 dBm Center 480 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.943 kHz Total Power 46.0 dBm Transmit Freq Error -54 Hz OBW Power 99.00 % x dB Bandwidth 10.15 kHz x dB -26.00 dB Frequency Center Freq 479.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.17 dBm Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.939 kHz Total Power 37.2 dBm Transmit Freq Error -31 Hz OBW Power 99.00 % x dB Bandwidth 10.15 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.01 dBm Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.938 kHz Total Power 37.4 dBm Transmit Freq Error -20 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.09 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.929 kHz Total Power 37.5 dBm Transmit Freq Error -25 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 30 dB Ref 40.87 dBm 10 dB/div Log Center 443 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.930 kHz Total Power 37.2 dBm Transmit Freq Error -27 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency Center Freq 443.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 30 dB Ref 41.09 dBm 10 dB/div Log Center 480 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.943 kHz Total Power 37.2 dBm Transmit Freq Error -54 Hz OBW Power 99.00 % x dB Bandwidth 10.15 kHz x dB -26.00 dB Frequency Center Freq 479.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz STATUS Align Now, All required

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log </	

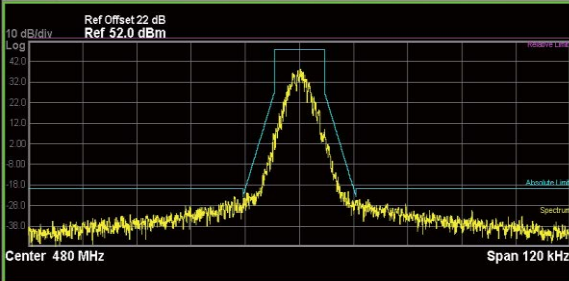
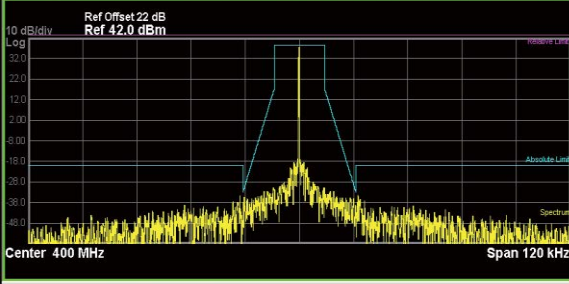
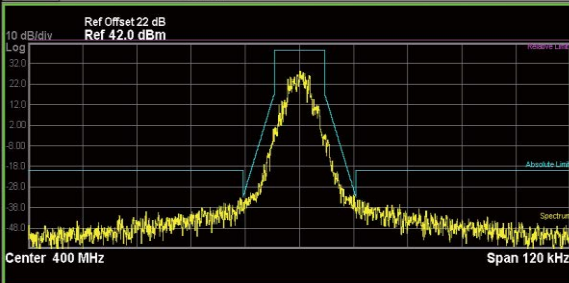
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150.0ACSENSE-PULSEALIGN OFF11:27:32 AM Mar 03, 2021 Center Freq 405.987500 MHzCenter Freq: 405.987500 MHzRadio Std: None Trig: Free RunAvg: 100.00% of 10 IF Gain: Low#Atten: 40 dBRadio Device: BTS PASS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 40.0 32.0 24.0 16.0 8.0 0.0 -8.0 -16.0 -24.0 -32.0 Center 406 MHz Span 120 kHz Total Power Ref 49.19 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>36.93</td><td>(-10.94)</td><td>-300.0</td><td>40.93</td><td>(-6.94)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-23.76</td><td>(-0.19)</td><td>-12.50 k</td><td>-25.33</td><td>(-4.30)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.36</td><td>(-4.36)</td><td>-12.50 k</td><td>-24.44</td><td>(-4.44)</td><td>15.85 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSOFile <Temp.png> savedSTATUSAlign Now, All required	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.93	(-10.94)	-300.0	40.93	(-6.94)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	-23.76	(-0.19)	-12.50 k	-25.33	(-4.30)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.36	(-4.36)	-12.50 k	-24.44	(-4.44)	15.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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12.50 kHz	60.00 kHz	100.0 Hz	-24.36	(-4.36)	-12.50 k	-24.44	(-4.44)	15.85 k																																																											
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TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150.0ACSENSE-PULSEALIGN OFF11:30:24 AM Mar 03, 2021 Center Freq 406.112500 MHzCenter Freq: 406.112500 MHzRadio Std: None Trig: Free RunAvg: 100.00% of 10 IF Gain: Low#Atten: 40 dBRadio Device: BTS PASS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 40.0 32.0 24.0 16.0 8.0 0.0 -8.0 -16.0 -24.0 -32.0 Center 406.1 MHz Span 120 kHz Total Power Ref 46.73 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>46.72</td><td>(-1.14)</td><td>-50.00</td><td>44.69</td><td>(-3.16)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-29.16</td><td>(-5.58)</td><td>-12.50 k</td><td>-28.22</td><td>(-5.01)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.38</td><td>(-7.38)</td><td>-16.60 k</td><td>-27.10</td><td>(-7.10)</td><td>16.45 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> MSOFile <MASK D slate> recalledSTATUSAlign Now, All required	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	46.72	(-1.14)	-50.00	44.69	(-3.16)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-29.16	(-5.58)	-12.50 k	-28.22	(-5.01)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.38	(-7.38)	-16.60 k	-27.10	(-7.10)	16.45 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	—	(—)	—	—	(—)	—	Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150.0ACSENSE-PULSEALIGN OFF11:33:01 AM Mar 03, 2021 Center Freq 406.112500 MHzCenter Freq: 406.112500 MHzRadio Std: None Trig: Free RunAvg: 100.00% of 10 IF Gain: Low#Atten: 40 dBRadio Device: BTS PASS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 40.0 32.0 24.0 16.0 8.0 0.0 -8.0 -16.0 -24.0 -32.0 Center 406.1 MHz Span 120 kHz Total Power Ref 49.94 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.38</td><td>(-10.48)</td><td>-300.0</td><td>40.68</td><td>(-7.18)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.86</td><td>(-3.65)</td><td>-12.45 k</td><td>-29.55</td><td>(-5.97)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.37</td><td>(-4.37)</td><td>-14.50 k</td><td>-22.89</td><td>(-2.89)</td><td>13.15 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSOFile <Temp.png> savedSTATUSAlign Now, All required	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.38	(-10.48)	-300.0	40.68	(-7.18)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.86	(-3.65)	-12.45 k	-29.55	(-5.97)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.37	(-4.37)	-14.50 k	-22.89	(-2.89)	13.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																	
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None Trig: Free Run #Atten: 40 dB Radio Device: BTS PASS IFGain:Low Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log Center 443 MHz Span 120 kHz Total Power Ref 46.30 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>46.36</td><td>(-1.35)</td><td>-50.00</td><td>45.34</td><td>(-2.37)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.49</td><td>(-4.12)</td><td>-12.45 k</td><td>-28.25</td><td>(-4.52)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-25.05</td><td>(-5.05)</td><td>-14.80 k</td><td>-25.03</td><td>(-5.03)</td><td>14.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <MASK D.state> recalled STATUS Align Now, All required		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	46.36	(-1.35)	-50.00	45.34	(-2.37)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-27.49	(-4.12)	-12.45 k	-28.25	(-4.52)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-25.05	(-5.05)	-14.80 k	-25.03	(-5.03)	14.70 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	—	(—)	—	—	(—)	—	Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																									
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TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None Trig: Free Run #Atten: 40 dB Radio Device: BTS PASS IFGain:Low Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log Center 443 MHz Span 120 kHz Total Power Ref 48.79 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< 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>36.72</td><td>(-10.98)</td><td>-250.0</td><td>38.95</td><td>(-8.76)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-28.00</td><td>(-4.99)</td><td>-12.40 k</td><td>-28.83</td><td>(-5.10)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.75</td><td>(-4.75)</td><td>-13.10 k</td><td>-24.35</td><td>(-4.35)</td><td>12.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <Temp.png> saved STATUS Align Now, All required		Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.72	(-10.98)	-250.0	38.95	(-8.76)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-28.00	(-4.99)	-12.40 k	-28.83	(-5.10)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.75	(-4.75)	-13.10 k	-24.35	(-4.35)	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None Trig: Free Run #Atten: 40 dB Radio Device: BTS PASS IFGain:Low Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log Center 480 MHz Span 120 kHz Total Power Ref 46.73 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>46.79</td><td>(-1.10)</td><td>-50.00</td><td>46.42</td><td>(-1.47)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.13</td><td>(-3.94)</td><td>-12.45 k</td><td>-27.50</td><td>(-5.05)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.68</td><td>(-6.68)</td><td>-12.55 k</td><td>-26.49</td><td>(-6.49)</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> 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	46.79	(-1.10)	-50.00	46.42	(-1.47)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-27.13	(-3.94)	-12.45 k	-27.50	(-5.05)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.68	(-6.68)	-12.55 k	-26.49	(-6.49)	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	—	(—)	—	—	(—)	—	Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF IF SD AC SENSE-PULSE ALIGN OFF 11:21:55 AM Mar 01, 2021 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm  Center 480 MHz Span 120 kHz Total Power Ref 50.35 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>37.39</td><td>(-10.50)</td><td>-250.0</td><td>38.32</td><td>(-9.57)</td><td>300.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-24.32</td><td>(-0.78)</td><td>-12.50 k</td><td>-25.29</td><td>(-1.74)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-23.68</td><td>(-3.68)</td><td>-14.30 k</td><td>-24.94</td><td>(-4.94)</td><td>15.25 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <Temp.png> saved STATUS Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.39	(-10.50)	-250.0	38.32	(-9.57)	300.0	5.625 kHz	12.50 kHz	100.0 Hz	-24.32	(-0.78)	-12.50 k	-25.29	(-1.74)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-23.68	(-3.68)	-14.30 k	-24.94	(-4.94)	15.25 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF IF SD AC SENSE-PULSE ALIGN OFF 01:18:22 PM Mar 01, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 37.63 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>37.53</td><td>(-0.89)</td><td>-100.0</td><td>33.85</td><td>(-4.57)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.53</td><td>(-4.70)</td><td>-12.20 k</td><td>-36.26</td><td>(-6.51)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.60</td><td>(-14.60)</td><td>-13.15 k</td><td>-34.47</td><td>(-14.47)</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> File <MASK.D.state> recalled STATUS Align Now, All required Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.53	(-0.89)	-100.0	33.85	(-4.57)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.53	(-4.70)	-12.20 k	-36.26	(-6.51)	12.05 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.60	(-14.60)	-13.15 k	-34.47	(-14.47)	13.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF IF SD AC SENSE-PULSE ALIGN OFF 01:19:02 PM Mar 01, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 39.35 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>26.65</td><td>(-11.77)</td><td>-350.0</td><td>28.43</td><td>(-9.99)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.24</td><td>(-3.22)</td><td>-12.50 k</td><td>-32.82</td><td>(-1.26)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.45</td><td>(-13.45)</td><td>-13.05 k</td><td>-34.51</td><td>(-14.51)</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> File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.65	(-11.77)	-350.0	28.43	(-9.99)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.24	(-3.22)	-12.50 k	-32.82	(-1.26)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.45	(-13.45)	-13.05 k	-34.51	(-14.51)	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	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 11:29:36 AM Mar 03, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 -8.00 -18.0 -28.0 -38.0 -48.0 Center 406 MHz Span 120 kHz Total Power Ref 38.00 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.44</td><td>(-0.99)</td><td>-50.00</td><td>37.41</td><td>(-1.02)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.91</td><td>(-6.26)</td><td>-12.45 k</td><td>-40.19</td><td>(-7.90)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.19</td><td>(-16.19)</td><td>-14.20 k</td><td>-35.64</td><td>(-15.64)</td><td>14.15 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled STATUS Align Now, All required Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.44	(-0.99)	-50.00	37.41	(-1.02)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.91	(-6.26)	-12.45 k	-40.19	(-7.90)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.19	(-16.19)	-14.20 k	-35.64	(-15.64)	14.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	
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TX-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 11:30:19 AM Mar 03, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 -8.00 -18.0 -28.0 -38.0 -48.0 Center 406 MHz Span 120 kHz Total Power Ref 40.22 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.93</td><td>(-11.50)</td><td>-350.0</td><td>30.98</td><td>(-7.45)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.73</td><td>(-0.44)</td><td>-12.40 k</td><td>-34.14</td><td>(-2.58)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.16</td><td>(-14.16)</td><td>-12.60 k</td><td>-32.92</td><td>(-12.92)</td><td>13.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.93	(-11.50)	-350.0	30.98	(-7.45)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.73	(-0.44)	-12.40 k	-34.14	(-2.58)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.16	(-14.16)	-12.60 k	-32.92	(-12.92)	13.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	
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TX-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 11:36:47 AM Mar 03, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 -8.00 -18.0 -28.0 -38.0 -48.0 Center 406.1 MHz Span 120 kHz Total Power Ref 37.37 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.41</td><td>(-0.98)</td><td>-50.00</td><td>36.39</td><td>(-2.00)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.82</td><td>(-8.13)</td><td>-11.90 k</td><td>-36.23</td><td>(-8.27)</td><td>11.80 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>-16.05 k</td><td>-36.80</td><td>(-16.80)</td><td>15.10 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></table> MSO File <MASK D.state> recalled STATUS Align Now, All required Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.41	(-0.98)	-50.00	36.39	(-2.00)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.82	(-8.13)	-11.90 k	-36.23	(-8.27)	11.80 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.34	(-16.34)	-16.05 k	-36.80	(-16.80)	15.10 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-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 11:35:25 AM Mar 01, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 40.72 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.23</td><td>(-11.15)</td><td>-200.0</td><td>31.41</td><td>(-6.98)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.76</td><td>(-3.98)</td><td>-12.05 k</td><td>-32.99</td><td>(-1.76)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.28</td><td>(-14.28)</td><td>-12.60 k</td><td>-34.20</td><td>(-14.20)</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 Align Now, All required Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.23	(-11.15)	-200.0	31.41	(-6.98)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.76	(-3.98)	-12.05 k	-32.99	(-1.76)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.28	(-14.28)	-12.60 k	-34.20	(-14.20)	13.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	
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TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 01:13:10 PM Mar 01, 2021 Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm Center 443 MHz Span 120 kHz Total Power Ref 36.89 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>36.98</td><td>(-1.29)</td><td>-50.00</td><td>36.08</td><td>(-2.19)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.29</td><td>(-6.13)</td><td>-12.50 k</td><td>-39.19</td><td>(-6.76)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.37</td><td>(-15.37)</td><td>-15.20 k</td><td>-35.27</td><td>(-15.27)</td><td>15.10 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> MSO File <MASK D slate> recalled STATUS Align Now, All required Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.98	(-1.29)	-50.00	36.08	(-2.19)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.29	(-6.13)	-12.50 k	-39.19	(-6.76)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.37	(-15.37)	-15.20 k	-35.27	(-15.27)	15.10 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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TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 01:13:57 PM Mar 01, 2021 Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm Center 443 MHz Span 120 kHz Total Power Ref 40.37 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.40</td><td>(-10.87)</td><td>-250.0</td><td>27.84</td><td>(-10.43)</td><td>650.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.50</td><td>(-4.43)</td><td>-12.35 k</td><td>-37.84</td><td>(-5.04)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.06</td><td>(-12.06)</td><td>-14.00 k</td><td>-35.14</td><td>(-15.14)</td><td>16.10 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> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.40	(-10.87)	-250.0	27.84	(-10.43)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.50	(-4.43)	-12.35 k	-37.84	(-5.04)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.06	(-12.06)	-14.00 k	-35.14	(-15.14)	16.10 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-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 479.987500 MHz Ref Offset 22 dB Ref 42.0 dBm Center 480 MHz Span 120 kHz Total Power Ref 37.40 dBm 0.0125 MHz <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>37.49</td><td>(-0.91)</td><td>-50.00</td><td>36.99</td><td>(-1.41)</td><td>0.0</td></tr> <tr> <td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.57</td><td>(-3.26)</td><td>-12.40 k</td><td>-35.77</td><td>(-4.18)</td><td>12.30 k</td></tr> <tr> <td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.57</td><td>(-13.57)</td><td>-13.25 k</td><td>-33.44</td><td>(-13.44)</td><td>13.15 k</td></tr> <tr> <td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr> <tr> <td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr> <tr> <td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr> </tbody> </table> MSO File <MASK D.state> recalled	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.49	(-0.91)	-50.00	36.99	(-1.41)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.57	(-3.26)	-12.40 k	-35.77	(-4.18)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.57	(-13.57)	-13.25 k	-33.44	(-13.44)	13.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Ref Offset 22 dB Ref 52.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 46.64 dBm 0.0125 MHz <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>46.64</td><td>(-1.00)</td><td>-100.0</td><td>35.31</td><td>(-12.33)</td><td>0.0</td></tr> <tr> <td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-31.40</td><td>(-9.06)</td><td>-12.30 k</td><td>-33.22</td><td>(-9.43)</td><td>12.50 k</td></tr> <tr> <td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-25.34</td><td>(-5.34)</td><td>-12.55 k</td><td>-26.97</td><td>(-6.97)</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> MSO File <MASK D.state> recalled	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	46.64	(-1.00)	-100.0	35.31	(-12.33)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-31.40	(-9.06)	-12.30 k	-33.22	(-9.43)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-25.34	(-5.34)	-12.55 k	-26.97	(-6.97)	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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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 FSO Q AC SENSE-PULSE ALIGN OFF 01:29:36 PM Mar 01, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 40.0 32.0 24.0 16.0 8.00 0.00 -8.00 -16.0 -24.0 -32.0 -40.0 Center 400 MHz Span 120 kHz Total Power Ref 46.80 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>45.16</td><td>(-2.48)</td><td>-100.0</td><td>38.21</td><td>(-9.43)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-25.42</td><td>(-1.63)</td><td>-12.50 k</td><td>-24.87</td><td>(-2.90)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.03</td><td>(-4.03)</td><td>-12.60 k</td><td>-25.34</td><td>(-5.34)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	45.16	(-2.48)	-100.0	38.21	(-9.43)	2.400 k	5.625 kHz	12.50 kHz	100.0 Hz	-25.42	(-1.63)	-12.50 k	-24.87	(-2.90)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.03	(-4.03)	-12.60 k	-25.34	(-5.34)	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-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF FSO Q AC SENSE-PULSE ALIGN OFF 03:26:17 PM Feb 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 40.0 32.0 24.0 16.0 8.00 0.00 -8.00 -16.0 -24.0 -32.0 -40.0 Center 406 MHz Span 120 kHz Total Power Ref 47.00 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>47.04</td><td>(-9.98)</td><td>-50.00</td><td>46.61</td><td>(-1.41)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.88</td><td>(-3.82)</td><td>-12.45 k</td><td>-26.93</td><td>(-4.60)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-25.48</td><td>(-5.48)</td><td>-15.65 k</td><td>-25.50</td><td>(-5.50)</td><td>15.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D state> recalled STATUS Align Now, All required Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	47.04	(-9.98)	-50.00	46.61	(-1.41)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.88	(-3.82)	-12.45 k	-26.93	(-4.60)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-25.48	(-5.48)	-15.65 k	-25.50	(-5.50)	15.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF FSO Q AC SENSE-PULSE ALIGN OFF 03:26:39 PM Feb 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 40.0 32.0 24.0 16.0 8.00 0.00 -8.00 -16.0 -24.0 -32.0 -40.0 Center 406 MHz Span 120 kHz Total Power Ref 47.49 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>45.50</td><td>(-2.52)</td><td>-50.00</td><td>45.39</td><td>(-2.63)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.89</td><td>(-3.47)</td><td>-12.50 k</td><td>-24.35</td><td>(-0.93)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.30</td><td>(-4.30)</td><td>-13.05 k</td><td>-22.76</td><td>(-2.76)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	45.50	(-2.52)	-50.00	45.39	(-2.63)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.89	(-3.47)	-12.50 k	-24.35	(-0.93)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.30	(-4.30)	-13.05 k	-22.76	(-2.76)	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	—	(—)	—	—	(—)	—	
			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	45.50	(-2.52)	-50.00	45.39	(-2.63)	0.0																																																								
5.625 kHz	12.50 kHz	100.0 Hz	-26.89	(-3.47)	-12.50 k	-24.35	(-0.93)	12.50 k																																																											
12.50 kHz	60.00 kHz	100.0 Hz	-24.30	(-4.30)	-13.05 k	-22.76	(-2.76)	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	—	(—)	—	—	(—)	—																																																											

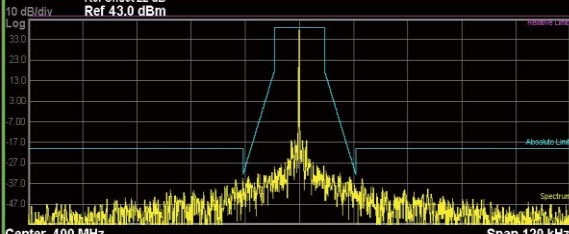
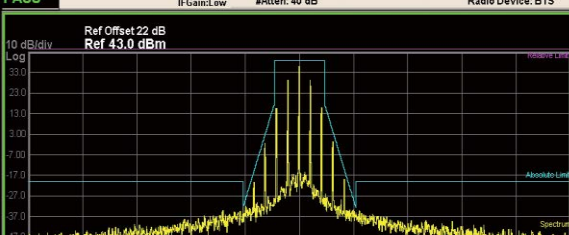
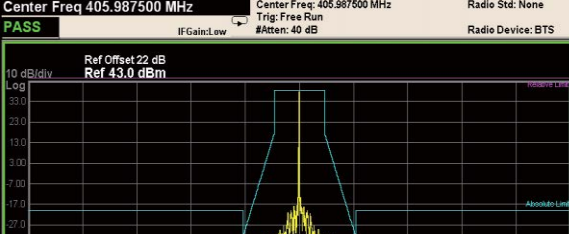
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Center 406.1 MHz Span 120 kHz Total Power Ref 46.70 dBm @ 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>46.73</td><td>(-1.06)</td><td>-50.00</td><td>45.46</td><td>(-2.33)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-30.54</td><td>(-8.71)</td><td>-12.25 k</td><td>-33.08</td><td>(-9.43)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.33</td><td>(-6.33)</td><td>-12.70 k</td><td>-26.29</td><td>(-6.29)</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></table> MSO File <MASK D.state> recalled STATUS Align Now, All required	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	46.73	(-1.06)	-50.00	45.46	(-2.33)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-30.54	(-8.71)	-12.25 k	-33.08	(-9.43)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.33	(-6.33)	-12.70 k	-26.29	(-6.29)	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	—	(—)	—	—	(—)	—	Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Center 406.1 MHz Span 120 kHz Total Power Ref 46.71 dBm @ 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>45.18</td><td>(-2.81)</td><td>-50.00</td><td>44.61</td><td>(-3.18)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-25.37</td><td>(-3.90)</td><td>-12.20 k</td><td>-24.76</td><td>(-1.11)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-25.09</td><td>(-5.09)</td><td>-12.50 k</td><td>-24.26</td><td>(-4.26)</td><td>13.15 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Align Now, All required	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	45.18	(-2.81)	-50.00	44.61	(-3.18)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-25.37	(-3.90)	-12.20 k	-24.76	(-1.11)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-25.09	(-5.09)	-12.50 k	-24.26	(-4.26)	13.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 28.0 38.0 Center 443 MHz Span 120 kHz Total Power Ref 46.13 dBm @ 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>46.13</td><td>(-1.55)</td><td>-50.00</td><td>44.94</td><td>(-2.74)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-28.74</td><td>(-4.99)</td><td>-12.50 k</td><td>-27.14</td><td>(-3.75)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.49</td><td>(-7.49)</td><td>-19.65 k</td><td>-27.47</td><td>(-7.47)</td><td>19.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled STATUS Align Now, All required	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	46.13	(-1.55)	-50.00	44.94	(-2.74)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-28.74	(-4.99)	-12.50 k	-27.14	(-3.75)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.49	(-7.49)	-19.65 k	-27.47	(-7.47)	19.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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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 _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF IF SD AC SENSE:PLA:SE ALIGN OFF 03:43:30 PM Feb 25, 2021 Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 -18.0 -28.0 -38.0 42.0 32.0 22.0 12.0 2.00 0.00 -18.0 -28.0 -38.0 Center 443 MHz Span 120 kHz Total Power Ref 46.18 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>44.64</td><td>(-3.04)</td><td>-50.00</td><td>44.23</td><td>(-3.46)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.36</td><td>(-2.61)</td><td>-12.50 k</td><td>-25.02</td><td>(-1.63)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-23.60</td><td>(-3.60)</td><td>-12.55 k</td><td>-24.49</td><td>(-4.49)</td><td>12.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz				Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	44.64	(-3.04)	-50.00	44.23	(-3.46)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.36	(-2.61)	-12.50 k	-25.02	(-1.63)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-23.60	(-3.60)	-12.55 k	-24.49	(-4.49)	12.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF IF SD AC SENSE:PLA:SE ALIGN OFF 03:18:22 PM Feb 25, 2021 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 1.00 0.00 -19.0 -29.0 -39.0 41.0 31.0 21.0 11.0 1.00 0.00 -19.0 -29.0 -39.0 Center 480 MHz Span 120 kHz Total Power Ref 46.46 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>46.31</td><td>(-1.08)</td><td>-50.00</td><td>43.11</td><td>(-4.27)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-29.40</td><td>(-5.36)</td><td>-12.50 k</td><td>-29.56</td><td>(-5.88)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.87</td><td>(-6.87)</td><td>-13.05 k</td><td>-26.75</td><td>(-6.75)</td><td>12.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D slate> recalled STATUS Align Now, All required Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz				Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	46.31	(-1.08)	-50.00	43.11	(-4.27)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-29.40	(-5.36)	-12.50 k	-29.56	(-5.88)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.87	(-6.87)	-13.05 k	-26.75	(-6.75)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF IF SD AC SENSE:PLA:SE ALIGN OFF 03:18:43 PM Feb 25, 2021 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 1.00 0.00 -19.0 -29.0 -39.0 41.0 31.0 21.0 11.0 1.00 0.00 -19.0 -29.0 -39.0 Center 480 MHz Span 120 kHz Total Power Ref 46.46 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>44.84</td><td>(-2.55)</td><td>-50.00</td><td>42.34</td><td>(-5.05)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.35</td><td>(-3.03)</td><td>-12.40 k</td><td>-27.95</td><td>(-3.90)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-25.32</td><td>(-5.32)</td><td>-13.05 k</td><td>-25.76</td><td>(-5.76)</td><td>14.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz				Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	44.84	(-2.55)	-50.00	42.34	(-5.05)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.35	(-3.03)	-12.40 k	-27.95	(-3.90)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-25.32	(-5.32)	-13.05 k	-25.76	(-5.76)	14.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:58:02 PM Feb 26, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS 10 dB/div Log Ref Offset 22 dB Ref 43.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 38.23 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>37.62</td><td>(-1.06)</td><td>-50.00</td><td>37.40</td><td>(-1.29)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.50</td><td>(-6.11)</td><td>-12.45 k</td><td>-37.58</td><td>(-5.92)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.59</td><td>(-14.59)</td><td>-12.55 k</td><td>-34.91</td><td>(-14.91)</td><td>13.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Align Now, All required	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.62	(-1.06)	-50.00	37.40	(-1.29)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.50	(-6.11)	-12.45 k	-37.58	(-5.92)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.59	(-14.59)	-12.55 k	-34.91	(-14.91)	13.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:58:24 PM Feb 26, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS 10 dB/div Log Ref Offset 22 dB Ref 43.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 38.22 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>36.11</td><td>(2.57)</td><td>-50.00</td><td>36.10</td><td>(2.58)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.86</td><td>(-0.11)</td><td>-12.50 k</td><td>-35.76</td><td>(-3.01)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.10</td><td>(-14.10)</td><td>-16.90 k</td><td>-34.07</td><td>(-14.07)</td><td>13.30 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 Align Now, All required	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.11	(2.57)	-50.00	36.10	(2.58)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.86	(-0.11)	-12.50 k	-35.76	(-3.01)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.10	(-14.10)	-16.90 k	-34.07	(-14.07)	13.30 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 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:32:02 PM Feb 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS 10 dB/div Log Ref Offset 22 dB Ref 43.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 38.20 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>37.64</td><td>(-0.89)</td><td>0.0</td><td>37.64</td><td>(-0.89)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.22</td><td>(-6.04)</td><td>-12.40 k</td><td>-38.64</td><td>(-6.82)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.75</td><td>(-17.75)</td><td>-13.85 k</td><td>-37.63</td><td>(-17.63)</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> MSO File <MASK D.state> recalled STATUS Align Now, All required	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.64	(-0.89)	0.0	37.64	(-0.89)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.22	(-6.04)	-12.40 k	-38.64	(-6.82)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.75	(-17.75)	-13.85 k	-37.63	(-17.63)	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	—	(—)	—	—	(—)	—	Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz
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12.50 kHz	60.00 kHz	100.0 Hz	-37.75	(-17.75)	-13.85 k	-37.63	(-17.63)	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	—	(—)	—	—	(—)	—																																																											

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:32:24 PM Feb 26, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 -7.00 -17.0 -27.0 -37.0 -47.0 Center 406 MHz Span 120 kHz Total Power Ref 38.01 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.13</td><td>(-2.39)</td><td>-50.00</td><td>36.10</td><td>(-2.42)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.47</td><td>(-3.56)</td><td>-12.50 k</td><td>-34.22</td><td>(-1.67)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.45</td><td>(-13.45)</td><td>-14.45 k</td><td>-32.66</td><td>(-12.66)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.13	(-2.39)	-50.00	36.10	(-2.42)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.47	(-3.56)	-12.50 k	-34.22	(-1.67)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.45	(-13.45)	-14.45 k	-32.66	(-12.66)	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	—	(—)	—	—	(—)	—	Auto
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
			0.0 Hz	5.625 kHz	100.0 Hz	36.13	(-2.39)	-50.00	36.10	(-2.42)	0.0																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:39:59 PM Feb 26, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 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 42.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 -7.00 -17.0 -27.0 -37.0 -47.0 Center 406.1 MHz Span 120 kHz Total Power Ref 38.16 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.59</td><td>(0.88)</td><td>-50.00</td><td>37.48</td><td>(0.99)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.75</td><td>(-3.52)</td><td>-12.40 k</td><td>-36.36</td><td>(-4.49)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.23</td><td>(-15.23)</td><td>-13.05 k</td><td>-35.38</td><td>(-15.38)</td><td>13.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK D.state> recalled STATUS Align Now, All required Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.59	(0.88)	-50.00	37.48	(0.99)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.75	(-3.52)	-12.40 k	-36.36	(-4.49)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.23	(-15.23)	-13.05 k	-35.38	(-15.38)	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	—	(—)	—	—	(—)	—	Auto
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
			0.0 Hz	5.625 kHz	100.0 Hz	37.59	(0.88)	-50.00	37.48	(0.99)	0.0																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:40:21 PM Feb 26, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 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 42.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 -7.00 -17.0 -27.0 -37.0 -47.0 Center 406.1 MHz Span 120 kHz Total Power Ref 38.20 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.07</td><td>(-2.40)</td><td>0.0</td><td>36.07</td><td>(-2.40)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.53</td><td>(0.57)</td><td>-12.50 k</td><td>-35.09</td><td>(-2.13)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.93</td><td>(-13.93)</td><td>-14.60 k</td><td>-34.34</td><td>(-14.34)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.07	(-2.40)	0.0	36.07	(-2.40)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.53	(0.57)	-12.50 k	-35.09	(-2.13)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.93	(-13.93)	-14.60 k	-34.34	(-14.34)	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	—	(—)	—	—	(—)	—	Auto
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
			0.0 Hz	5.625 kHz	100.0 Hz	36.07	(-2.40)	0.0	36.07	(-2.40)	0.0																																																								
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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-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:46:51 PM Feb 26, 2021 Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 2.00 12.0 18.0 38.0 48.0 Center 443 MHz Span 120 kHz Total Power Ref 37.65 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.07</td><td>(-1.13)</td><td>-50.00</td><td>36.87</td><td>(-1.33)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.73</td><td>(-7.95)</td><td>-11.75 k</td><td>-40.22</td><td>(-8.81)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.04</td><td>(-17.04)</td><td>-14.80 k</td><td>-37.39</td><td>(-17.39)</td><td>14.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled STATUS Align Now, All required Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.07	(-1.13)	-50.00	36.87	(-1.33)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.73	(-7.95)	-11.75 k	-40.22	(-8.81)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.04	(-17.04)	-14.80 k	-37.39	(-17.39)	14.70 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	—	(—)	—	—	(—)	—	File <MASK D.state> recalled STATUS Align Now, All required
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
			0.0 Hz	5.625 kHz	100.0 Hz	37.07	(-1.13)	-50.00	36.87	(-1.33)	0.0																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:47:13 PM Feb 26, 2021 Center Freq 443.012500 MHz Center Freq: 443.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 2.00 12.0 18.0 38.0 48.0 Center 443 MHz Span 120 kHz Total Power Ref 37.60 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.59</td><td>(-2.62)</td><td>0.0</td><td>35.59</td><td>(-2.62)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.34</td><td>(-2.56)</td><td>-12.30 k</td><td>-35.69</td><td>(-3.19)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.68</td><td>(-13.68)</td><td>-13.55 k</td><td>-34.90</td><td>(-14.90)</td><td>15.10 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></table> MSO File <Temp.png> saved STATUS Align Now, All required Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.59	(-2.62)	0.0	35.59	(-2.62)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.34	(-2.56)	-12.30 k	-35.69	(-3.19)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.68	(-13.68)	-13.55 k	-34.90	(-14.90)	15.10 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	—	(—)	—	—	(—)	—	File <Temp.png> saved STATUS Align Now, All required
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE-PULSE ALIGN OFF 03:21:31 PM Feb 26, 2021 Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 32.0 22.0 2.00 12.0 18.0 37.0 47.0 Center 480 MHz Span 120 kHz Total Power Ref 37.73 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.64</td><td>(-0.96)</td><td>-50.00</td><td>35.28</td><td>(-3.32)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.57</td><td>(-6.45)</td><td>-11.85 k</td><td>-34.68</td><td>(-7.66)</td><td>11.70 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>-13.15 k</td><td>-35.66</td><td>(-15.66)</td><td>13.05 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled STATUS Align Now, All required Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.64	(-0.96)	-50.00	35.28	(-3.32)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.57	(-6.45)	-11.85 k	-34.68	(-7.66)	11.70 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.39	(-16.39)	-13.15 k	-35.66	(-15.66)	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	—	(—)	—	—	(—)	—	File <MASK D.state> recalled STATUS Align Now, All required
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
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Appendix C:Emission Mask

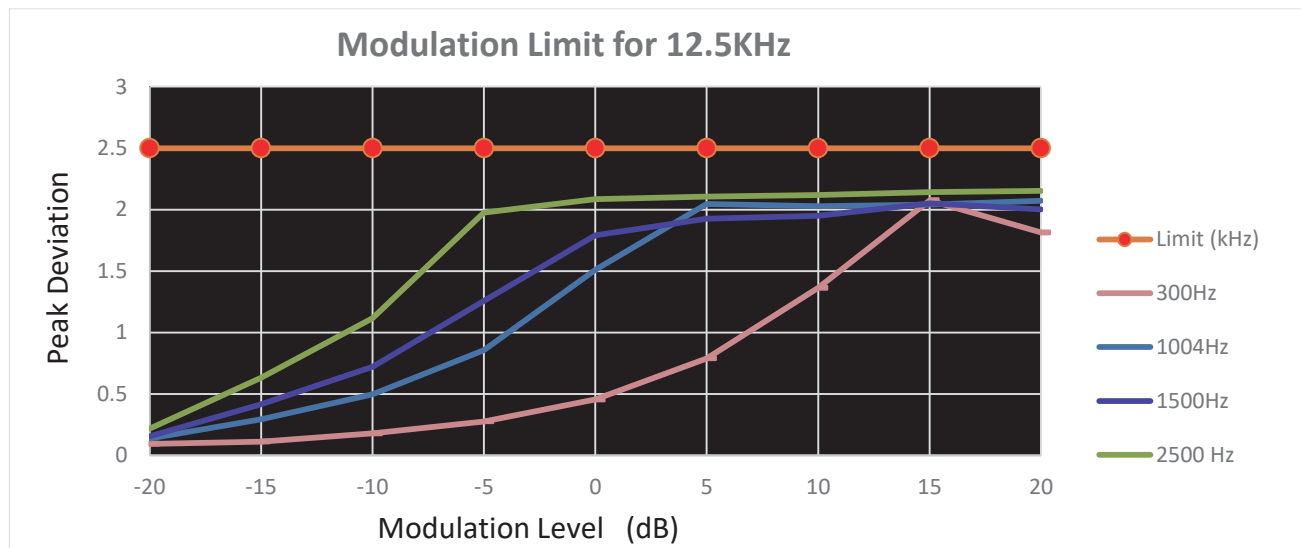
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm 10 dB/div Log 33.0 23.0 13.0 3.00 -7.00 -17.0 -27.0 -37.0 -47.0 33.0 23.0 13.0 3.00 -7.00 -17.0 -27.0 -37.0 -47.0 Relative Limit Absolute Limit Spectrum Center 480 MHz Span 120 kHz Total Power Ref 37.76 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>Peak Freq (Hz)</th><th>Upper ΔLim(dB)</th><th>Upper Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.19</td><td>(-2.40)</td><td>-50.00</td><td>34.58</td><td>(-4.02)</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.25</td><td>(-1.41)</td><td>-12.50 k</td><td>-34.87</td><td>(-2.39)</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.21</td><td>(-13.21)</td><td>-12.50 k</td><td>-34.20</td><td>(-14.20)</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></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></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></tr></tbody></table> Frequency Center Freq 479.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td colspan="4"> File <Temp.png> saved STATUS Align Now, All required </td></tr>				Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.19	(-2.40)	-50.00	34.58	(-4.02)	5.625 kHz	12.50 kHz	100.0 Hz	-34.25	(-1.41)	-12.50 k	-34.87	(-2.39)	12.50 kHz	60.00 kHz	100.0 Hz	-33.21	(-13.21)	-12.50 k	-34.20	(-14.20)	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	—	(—)	—	(—)	—	File <Temp.png> saved STATUS Align Now, All required			
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Appendix D:Modulation Limit

Operation Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Result
				300Hz	1004Hz	1500Hz	2500 Hz		
TX-ANH	FM	CH _{M2}	-20	0.095	0.139	0.157	0.220	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.113	0.295	0.416	0.632	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.179	0.497	0.721	1.116	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.277	0.858	1.258	1.975	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.455	1.509	1.791	2.085	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.790	2.045	1.927	2.105	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.364	2.027	1.950	2.120	2.5	PASS
TX-ANH	FM	CH _{M2}	15	2.075	2.040	2.052	2.142	2.5	PASS
TX-ANH	FM	CH _{M2}	20	1.814	2.073	2.003	2.152	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

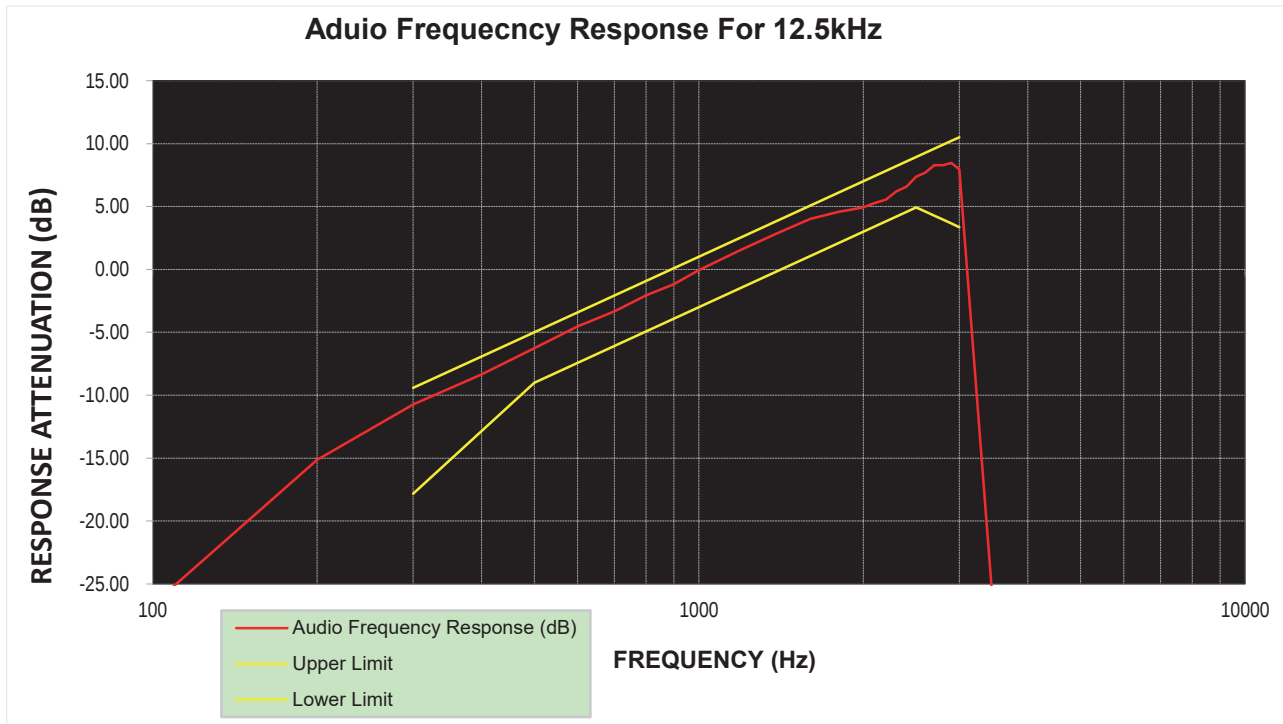


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-26.65			PASS
TX-ANH	FM	CH _{M2}	200	-15.15			PASS
TX-ANH	FM	CH _{M2}	300	-10.74	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-8.34	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-6.27	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-4.54	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.35	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.06	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.18	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.07	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.59	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.93	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.00	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	4.58	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	4.93	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	5.29	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	5.54	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	6.20	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	6.59	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.37	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	7.70	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	8.29	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	8.28	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	8.45	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	7.94	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-29.96			PASS
TX-ANH	FM	CH _{M2}	4000	-30.69			PASS
TX-ANH	FM	CH _{M2}	4500	-31.23			PASS
TX-ANH	FM	CH _{M2}	5000	-31.21			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

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	-0.251	-0.173	-0.217	-0.198	-0.195	±2.5	PASS
TX-DNH	4FSK	V _N	-20	-0.243	-0.178	-0.212	-0.197	-0.195	±2.5	PASS
TX-DNH	4FSK	V _N	-10	-0.265	-0.174	-0.215	-0.200	-0.192	±2.5	PASS
TX-DNH	4FSK	V _N	0	-0.255	-0.175	-0.226	-0.188	-0.189	±2.5	PASS
TX-DNH	4FSK	V _N	10	-0.244	-0.167	-0.221	-0.194	-0.197	±2.5	PASS
TX-DNH	4FSK	V _N	20	-0.242	-0.163	-0.207	-0.185	-0.179	±2.5	PASS
TX-DNH	4FSK	V _N	30	-0.263	-0.168	-0.207	-0.196	-0.191	±2.5	PASS
TX-DNH	4FSK	V _N	40	-0.258	-0.173	-0.221	-0.185	-0.182	±2.5	PASS
TX-DNH	4FSK	V _N	50	-0.251	-0.173	-0.215	-0.197	-0.191	±2.5	PASS
TX-DNL	4FSK	V _N	-30	-0.259	-0.186	-0.219	-0.199	-0.188	±2.5	PASS
TX-DNL	4FSK	V _N	-20	-0.261	-0.182	-0.216	-0.210	-0.195	±2.5	PASS
TX-DNL	4FSK	V _N	-10	-0.274	-0.170	-0.224	-0.213	-0.187	±2.5	PASS
TX-DNL	4FSK	V _N	0	-0.260	-0.186	-0.213	-0.208	-0.202	±2.5	PASS
TX-DNL	4FSK	V _N	10	-0.264	-0.185	-0.222	-0.206	-0.196	±2.5	PASS
TX-DNL	4FSK	V _N	20	-0.257	-0.170	-0.212	-0.194	-0.186	±2.5	PASS
TX-DNL	4FSK	V _N	30	-0.259	-0.181	-0.215	-0.212	-0.199	±2.5	PASS
TX-DNL	4FSK	V _N	40	-0.280	-0.177	-0.218	-0.210	-0.191	±2.5	PASS
TX-DNL	4FSK	V _N	50	-0.262	-0.185	-0.229	-0.204	-0.193	±2.5	PASS
TX-ANH	FM	V _N	-30	-0.135	-0.056	-0.094	-0.086	-0.121	±2.5	PASS
TX-ANH	FM	V _N	-20	-0.129	-0.057	-0.093	-0.091	-0.133	±2.5	PASS
TX-ANH	FM	V _N	-10	-0.136	-0.055	-0.087	-0.088	-0.133	±2.5	PASS
TX-ANH	FM	V _N	0	-0.131	-0.053	-0.088	-0.091	-0.121	±2.5	PASS
TX-ANH	FM	V _N	10	-0.129	-0.056	-0.094	-0.089	-0.130	±2.5	PASS
TX-ANH	FM	V _N	20	-0.127	-0.052	-0.086	-0.086	-0.121	±2.5	PASS
TX-ANH	FM	V _N	30	-0.136	-0.053	-0.089	-0.090	-0.124	±2.5	PASS
TX-ANH	FM	V _N	40	-0.130	-0.055	-0.094	-0.092	-0.129	±2.5	PASS
TX-ANH	FM	V _N	50	-0.137	-0.056	-0.092	-0.086	-0.132	±2.5	PASS
TX-ANL	FM	V _N	-30	-0.093	-0.023	-0.040	-0.039	-0.144	±2.5	PASS
TX-ANL	FM	V _N	-20	-0.087	-0.024	-0.038	-0.037	-0.140	±2.5	PASS
TX-ANL	FM	V _N	-10	-0.091	-0.024	-0.038	-0.037	-0.137	±2.5	PASS
TX-ANL	FM	V _N	0	-0.093	-0.023	-0.037	-0.037	-0.146	±2.5	PASS
TX-ANL	FM	V _N	10	-0.090	-0.024	-0.039	-0.038	-0.143	±2.5	PASS
TX-ANL	FM	V _N	20	-0.087	-0.022	-0.037	-0.036	-0.135	±2.5	PASS
TX-ANL	FM	V _N	30	-0.089	-0.023	-0.040	-0.037	-0.147	±2.5	PASS
TX-ANL	FM	V _N	40	-0.090	-0.023	-0.040	-0.038	-0.144	±2.5	PASS
TX-ANL	FM	V _N	50	-0.088	-0.022	-0.039	-0.037	-0.147	±2.5	PASS

Appendix G:Frequency Stability Test & Voltage

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	T _N	-0.242	-0.163	-0.207	-0.185	-0.179	±2.5	PASS
TX-DNH	4FSK	V _L	T _N	-0.243	-0.163	-0.208	-0.186	-0.182	±2.5	PASS
TX-DNH	4FSK	V _H	T _N	-0.246	-0.171	-0.210	-0.194	-0.186	±2.5	PASS
TX-DNL	4FSK	V _N	T _N	-0.257	-0.170	-0.212	-0.194	-0.186	±2.5	PASS
TX-DNL	4FSK	V _L	T _N	-0.258	-0.171	-0.213	-0.197	-0.186	±2.5	PASS
TX-DNL	4FSK	V _H	T _N	-0.259	-0.176	-0.225	-0.197	-0.190	±2.5	PASS
TX-ANH	FM	V _N	T _N	-0.127	-0.052	-0.086	-0.086	-0.121	±2.5	PASS
TX-ANH	FM	V _L	T _N	-0.128	-0.053	-0.087	-0.087	-0.121	±2.5	PASS
TX-ANH	FM	V _H	T _N	-0.133	-0.054	-0.087	-0.087	-0.124	±2.5	PASS
TX-ANL	FM	V _N	T _N	-0.087	-0.022	-0.037	-0.036	-0.135	±2.5	PASS
TX-ANL	FM	V _L	T _N	-0.089	-0.022	-0.037	-0.037	-0.137	±2.5	PASS
TX-ANL	FM	V _H	T _N	-0.089	-0.023	-0.037	-0.038	-0.140	±2.5	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 48.00 dBm Offset 20.50 dB Att 37 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFR (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power 39.25 dBm</td><td></td><td>Carrier Offset -37.56 Hz</td><td></td><td></td><td></td><td></td></tr><tr><td>FM</td><td>+Peak 19.474 kHz</td><td>-Peak -12.319 kHz</td><td>+Peak/2 15.896 kHz</td><td>RMS 2.7833 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 01.53.2021 15:16:48 OFF~ON		Carrier Power 39.25 dBm		Carrier Offset -37.56 Hz					FM	+Peak 19.474 kHz	-Peak -12.319 kHz	+Peak/2 15.896 kHz	RMS 2.7833 kHz	Mod. Freq.	SINAD	THD
	Carrier Power 39.25 dBm		Carrier Offset -37.56 Hz																
FM	+Peak 19.474 kHz	-Peak -12.319 kHz	+Peak/2 15.896 kHz	RMS 2.7833 kHz	Mod. Freq.	SINAD	THD												
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 48.00 dBm Offset 20.50 dB Att 37 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFR (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power 39.26 dBm</td><td></td><td>Carrier Offset -40.71 Hz</td><td></td><td></td><td></td><td></td></tr><tr><td>FM</td><td>+Peak 12.25 kHz</td><td>-Peak -21.299 kHz</td><td>+Peak/2 16.775 kHz</td><td>RMS 2.8118 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 01.53.2021 15:15:18 ON-OFF		Carrier Power 39.26 dBm		Carrier Offset -40.71 Hz					FM	+Peak 12.25 kHz	-Peak -21.299 kHz	+Peak/2 16.775 kHz	RMS 2.8118 kHz	Mod. Freq.	SINAD	THD
	Carrier Power 39.26 dBm		Carrier Offset -40.71 Hz																
FM	+Peak 12.25 kHz	-Peak -21.299 kHz	+Peak/2 16.775 kHz	RMS 2.8118 kHz	Mod. Freq.	SINAD	THD												
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 48.00 dBm Offset 20.50 dB Att 37 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFR (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power 39.25 dBm</td><td></td><td>Carrier Offset -35.76 Hz</td><td></td><td></td><td></td><td></td></tr><tr><td>FM</td><td>+Peak 12.127 kHz</td><td>-Peak -17.263 kHz</td><td>+Peak/2 14.695 kHz</td><td>RMS 8.7783 kHz</td><td>Mod. Freq. 1.0162 kHz</td><td>SINAD</td><td>THD</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 01.53.2021 15:11:17 OFF~ON		Carrier Power 39.25 dBm		Carrier Offset -35.76 Hz					FM	+Peak 12.127 kHz	-Peak -17.263 kHz	+Peak/2 14.695 kHz	RMS 8.7783 kHz	Mod. Freq. 1.0162 kHz	SINAD	THD
	Carrier Power 39.25 dBm		Carrier Offset -35.76 Hz																
FM	+Peak 12.127 kHz	-Peak -17.263 kHz	+Peak/2 14.695 kHz	RMS 8.7783 kHz	Mod. Freq. 1.0162 kHz	SINAD	THD												

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 48.00 dBm Offset 20.50 dB Att 37 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFR (17MHz) YIG Bypass 1 FM Time Domain </

ON-OFF

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																		
TX-DNH	4FSK	CH _L	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -26.08 dBm 2.378144000 GHz M1[1] -25.10 dBm 4.762320000 GHz 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-2.49 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.76232 GHz</td><td>-25.10 dBm</td><td>-200.00 dB</td></tr></table> Measuring...03.03.2021 09:41:44 Date: 3.MAR.2021 09:41:43	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-2.49 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.76232 GHz	-25.10 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-2.49 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.76232 GHz	-25.10 dBm	-200.00 dB																
TX-DNH	4FSK	CH _{M1}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -25.72 dBm 2.503141000 GHz M1[1] -25.16 dBm 1.218056000 GHz 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-10.96 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21806 GHz</td><td>-25.16 dBm</td><td>-200.00 dB</td></tr></table> Measuring...03.03.2021 09:43:33 Date: 3.MAR.2021 09:43:33	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-10.96 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-25.16 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-10.96 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-25.16 dBm	-200.00 dB																
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -25.63 dBm 1.039436000 GHz M1[1] -24.25 dBm 1.218056000 GHz 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-11.10 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21806 GHz</td><td>-24.25 dBm</td><td>-200.00 dB</td></tr></table> Measuring...03.03.2021 09:44:59 Date: 3.MAR.2021 09:44:59	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-11.10 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-24.25 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																
30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-11.10 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-24.25 dBm	-200.00 dB																

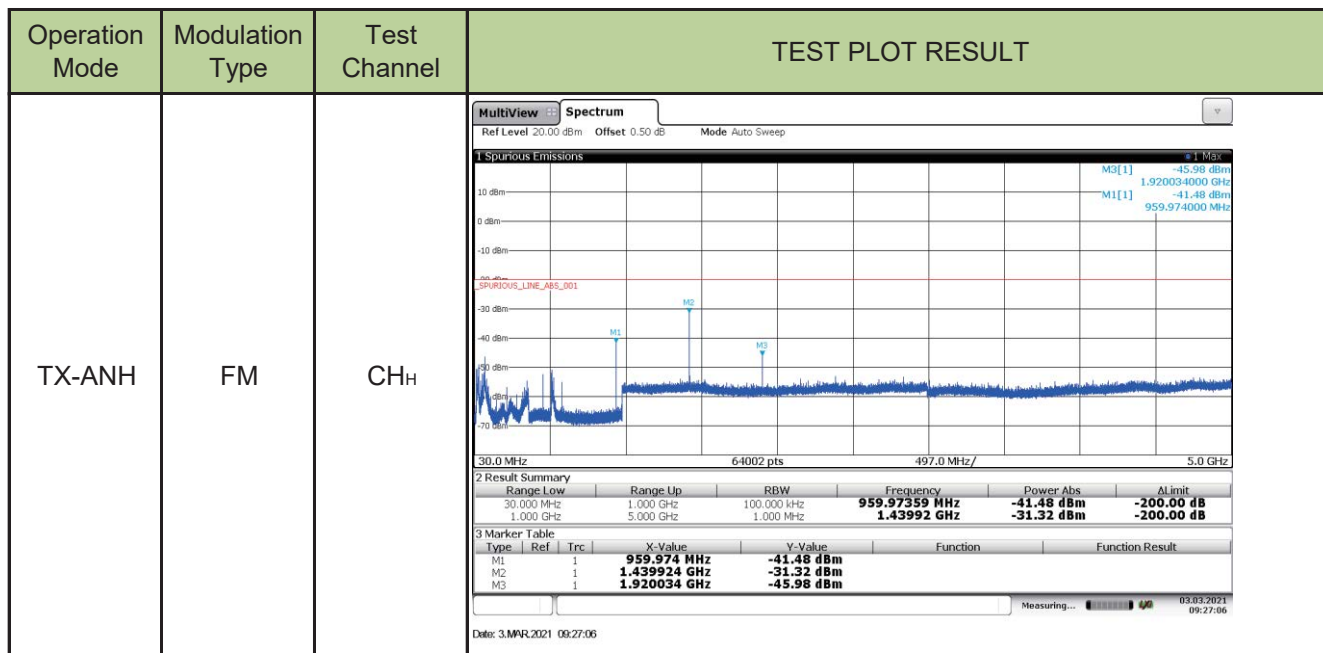
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																		
TX-DNH	4FSK	CH _{M3}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -26.03 dBm 1.329177000 GHz M1[1] -25.17 dBm 4.634949000 GHz 2 Result Summary <table><tr><td>Range Low</td><td>Range Up</td><td>RBW</td><td>Frequency</td><td>Power Abs</td><td>Alimit</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>221.49323 MHz</td><td>-26.98 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.63495 GHz</td><td>-25.17 dBm</td><td>-200.00 dB</td></tr></table> Date: 3.MAR.2021 09:46:02	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	30.000 MHz	1.000 GHz	100.000 kHz	221.49323 MHz	-26.98 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.63495 GHz	-25.17 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																
30.000 MHz	1.000 GHz	100.000 kHz	221.49323 MHz	-26.98 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.63495 GHz	-25.17 dBm	-200.00 dB																
TX-DNH	4FSK	CH _H	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -26.36 dBm 4.422706000 GHz M1[1] -26.09 dBm 4.821443000 GHz 2 Result Summary <table><tr><td>Range Low</td><td>Range Up</td><td>RBW</td><td>Frequency</td><td>Power Abs</td><td>Alimit</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>299.96984 MHz</td><td>-28.17 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.82144 GHz</td><td>-26.09 dBm</td><td>-200.00 dB</td></tr></table> Date: 3.MAR.2021 09:47:12	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	30.000 MHz	1.000 GHz	100.000 kHz	299.96984 MHz	-28.17 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.82144 GHz	-26.09 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																
30.000 MHz	1.000 GHz	100.000 kHz	299.96984 MHz	-28.17 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.82144 GHz	-26.09 dBm	-200.00 dB																
TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 20.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -30.70 dBm 1.199931000 GHz M1[1] -38.51 dBm 800.020000 MHz 2 Result Summary <table><tr><td>Range Low</td><td>Range Up</td><td>RBW</td><td>Frequency</td><td>Power Abs</td><td>Alimit</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-4.74 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.19993 GHz</td><td>-30.70 dBm</td><td>-200.00 dB</td></tr></table> Date: 3.MAR.2021 09:23:13	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-4.74 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.19993 GHz	-30.70 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-4.74 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.19993 GHz	-30.70 dBm	-200.00 dB																

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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																														
TX-ANH	FM	CH _{M1}	MultiViewSpectrum Ref Level 20.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1]-41.92 dBm811.962000 MHz M2[1]-28.92 dBm1.217931000 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>At Limit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-12.64 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21793 GHz</td><td>-28.92 dBm</td><td>-200.00 dB</td></tr></table> Date: 3.MAR.2021 09:22:22	Range Low	Range Up	RBW	Frequency	Power Abs	At Limit	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-12.64 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-28.92 dBm	-200.00 dB																												
Range Low	Range Up	RBW	Frequency	Power Abs	At Limit																																												
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-12.64 dBm	-200.00 dB																																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-28.92 dBm	-200.00 dB																																												
TX-ANH	FM	CH _{M2}	MultiViewSpectrum Ref Level 20.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1]-42.07 dBm812.205000 MHz M2[1]-28.95 dBm1.218306000 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>At Limit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-12.83 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21831 GHz</td><td>-28.95 dBm</td><td>-200.00 dB</td></tr></table> Date: 3.MAR.2021 09:24:36	Range Low	Range Up	RBW	Frequency	Power Abs	At Limit	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-12.83 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21831 GHz	-28.95 dBm	-200.00 dB																												
Range Low	Range Up	RBW	Frequency	Power Abs	At Limit																																												
30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-12.83 dBm	-200.00 dB																																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21831 GHz	-28.95 dBm	-200.00 dB																																												
TX-ANH	FM	CH _{M3}	MultiViewSpectrum Ref Level 20.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M3[1]-42.34 dBm1.772038000 GHz M1[1]-38.26 dBm886.013000 MHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>At Limit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>443.01006 MHz</td><td>-32.68 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.32893 GHz</td><td>-38.00 dBm</td><td>-200.00 dB</td></tr></table> 3 Marker Table <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>886.013 MHz</td><td>-38.26 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>1.328927 GHz</td><td>-38.00 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>1.772038 GHz</td><td>-42.34 dBm</td><td></td><td></td></tr></table> Date: 3.MAR.2021 09:25:59	Range Low	Range Up	RBW	Frequency	Power Abs	At Limit	30.000 MHz	1.000 GHz	100.000 kHz	443.01006 MHz	-32.68 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.32893 GHz	-38.00 dBm	-200.00 dB	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		886.013 MHz	-38.26 dBm			M2	1		1.328927 GHz	-38.00 dBm			M3	1		1.772038 GHz	-42.34 dBm		
Range Low	Range Up	RBW	Frequency	Power Abs	At Limit																																												
30.000 MHz	1.000 GHz	100.000 kHz	443.01006 MHz	-32.68 dBm	-200.00 dB																																												
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M1	1		886.013 MHz	-38.26 dBm																																													
M2	1		1.328927 GHz	-38.00 dBm																																													
M3	1		1.772038 GHz	-42.34 dBm																																													

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----End of Report----