

Project No.	SHT2106000101EW		
Test sample No.	YPHT21060001001	Model No.	DJ-NX45
Start test date	2021/6/24	Finish date	2021/6/24
Temperature	23.3℃	Humidity	50%
Test Engineer	<i>Casper Chen</i>	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	6/24	PASS
B	Occupied Bandwidth	6/24	PASS
C	Emission Mask	6/24	PASS
D	Modulation Limit	6/24	PASS
E	Audio Frequency Response	6/24	PASS
F	Frequency Stability Test & Temperature	6/24	PASS
G	Frequency Stability Test & Voltage	6/24	PASS
H	Transmitter Frequency Behavior	6/24	PASS
I	Spurious Emission On Antenna Port	6/24	PASS

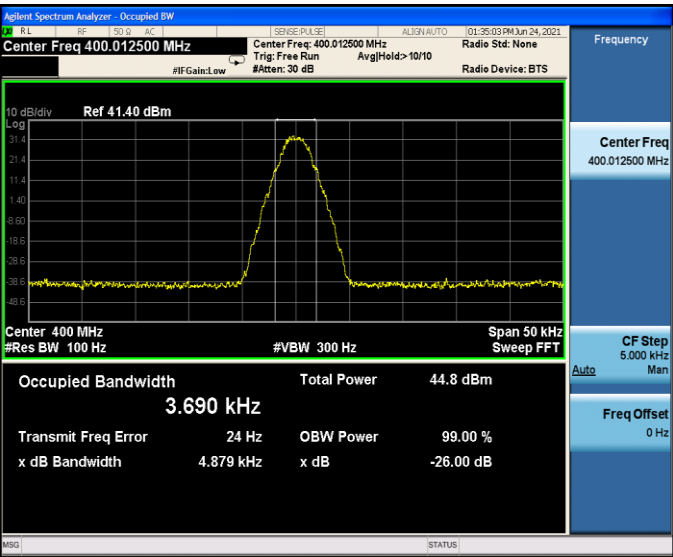
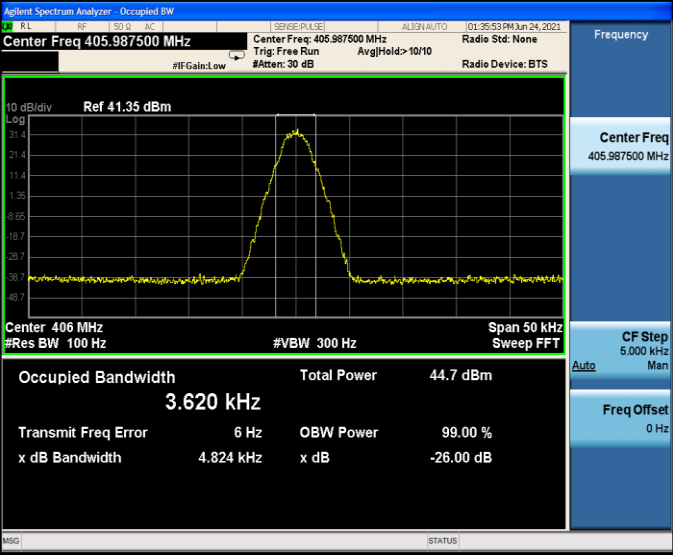
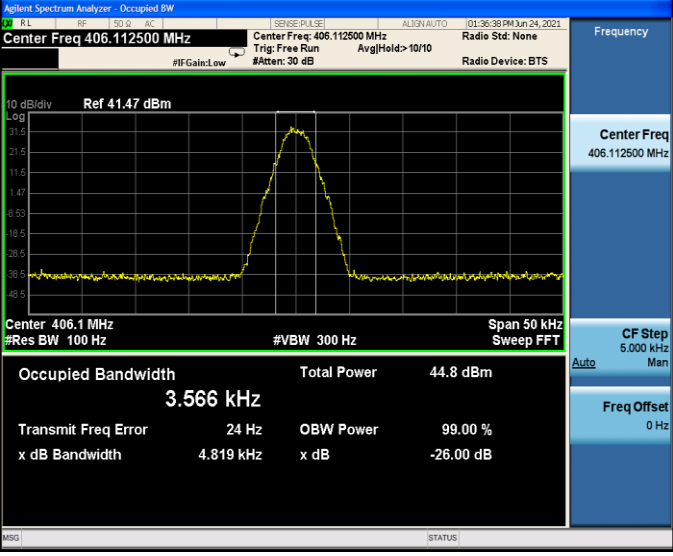
Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DEH	4FSK	CH _L	37.0	5.01	5.00	0.2	±20	PASS
TX-DEH	4FSK	CH _{M1}	37.0	5.01	5.00	0.2	±20	PASS
TX-DEH	4FSK	CH _{M2}	36.9	4.90	5.00	-2.0	±20	PASS
TX-DEH	4FSK	CH _{M3}	36.9	4.90	5.00	-2.0	±20	PASS
TX-DEH	4FSK	CH _H	37.0	5.01	5.00	0.2	±20	PASS
TX-DEL	4FSK	CH _L	30.7	1.18	1.00	18.0	±20	PASS
TX-DEL	4FSK	CH _{M1}	30.7	1.17	1.00	17.0	±20	PASS
TX-DEL	4FSK	CH _{M2}	30.6	1.15	1.00	15.0	±20	PASS
TX-DEL	4FSK	CH _{M3}	29.7	0.93	1.00	-7.0	±20	PASS
TX-DEL	4FSK	CH _H	30.4	1.10	1.00	10.0	±20	PASS
TX-ANH	FM	CH _L	37.0	4.98	5.00	-0.4	±20	PASS
TX-ANH	FM	CH _{M1}	36.9	4.84	5.00	-3.2	±20	PASS
TX-ANH	FM	CH _{M2}	36.8	4.82	5.00	-3.6	±20	PASS
TX-ANH	FM	CH _{M3}	36.8	4.74	5.00	-5.2	±20	PASS
TX-ANH	FM	CH _H	36.9	4.86	5.00	-2.8	±20	PASS
TX-ANL	FM	CH _L	30.7	1.17	1.00	17.0	±20	PASS
TX-ANL	FM	CH _{M1}	30.6	1.14	1.00	14.0	±20	PASS
TX-ANL	FM	CH _{M2}	30.5	1.11	1.00	11.0	±20	PASS
TX-ANL	FM	CH _{M3}	29.5	0.90	1.00	-10.0	±20	PASS
TX-ANL	FM	CH _H	30.5	1.12	1.00	12.0	±20	PASS

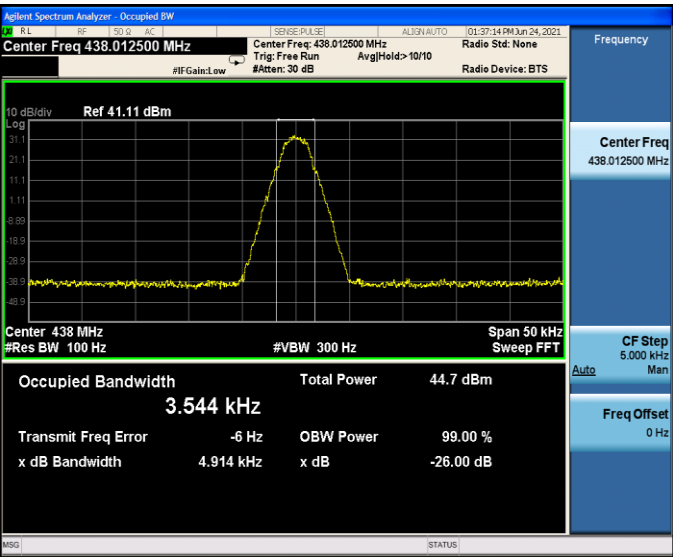
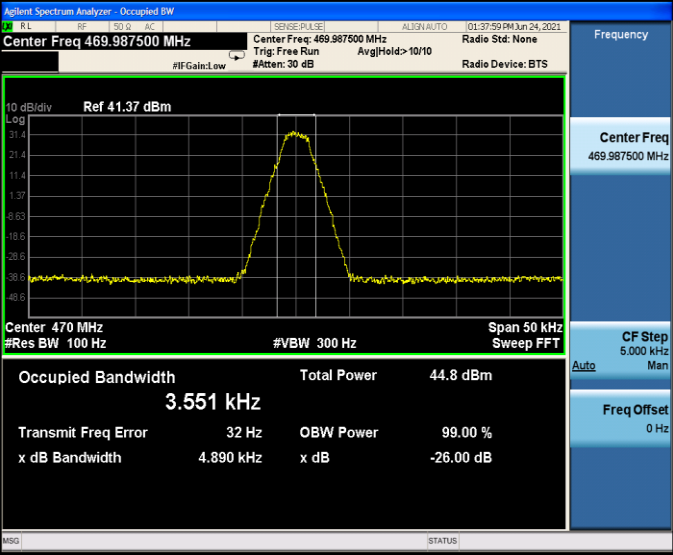
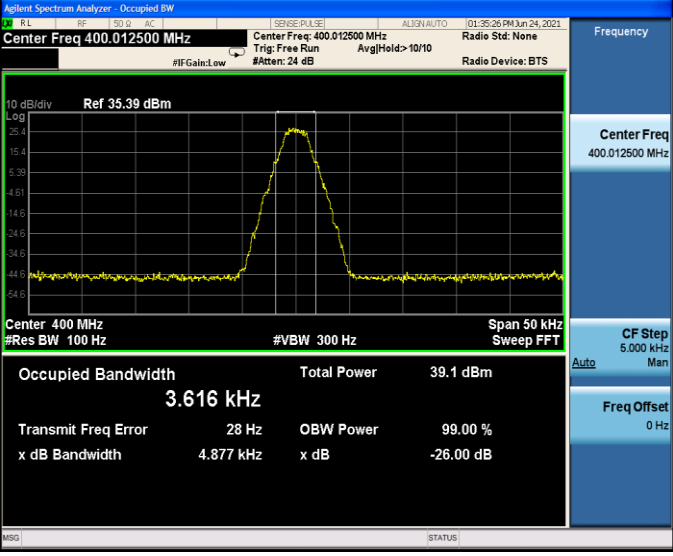
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DEH	4FSK	CH _L	3.690	4.879	≤6	PASS
TX-DEH	4FSK	CH _{M1}	3.620	4.824	≤6	PASS
TX-DEH	4FSK	CH _{M2}	3.566	4.819	≤6	PASS
TX-DEH	4FSK	CH _{M3}	3.544	4.914	≤6	PASS
TX-DEH	4FSK	CH _H	3.551	4.890	≤6	PASS
TX-DEL	4FSK	CH _L	3.616	4.877	≤6	PASS
TX-DEL	4FSK	CH _{M1}	3.525	4.828	≤6	PASS
TX-DEL	4FSK	CH _{M2}	3.536	4.840	≤6	PASS
TX-DEL	4FSK	CH _{M3}	3.577	4.860	≤6	PASS
TX-DEL	4FSK	CH _H	3.556	4.844	≤6	PASS
TX-ANH	FM	CH _L	9.896	10.134	≤11.25	PASS
TX-ANH	FM	CH _{M1}	9.896	10.136	≤11.25	PASS
TX-ANH	FM	CH _{M2}	9.892	10.141	≤11.25	PASS
TX-ANH	FM	CH _{M3}	9.890	10.141	≤11.25	PASS
TX-ANH	FM	CH _H	9.897	10.134	≤11.25	PASS
TX-ANL	FM	CH _L	9.892	10.140	≤11.25	PASS
TX-ANL	FM	CH _{M1}	9.890	10.143	≤11.25	PASS
TX-ANL	FM	CH _{M2}	9.891	10.139	≤11.25	PASS
TX-ANL	FM	CH _{M3}	9.891	10.140	≤11.25	PASS
TX-ANL	FM	CH _H	9.900	10.133	≤11.25	PASS

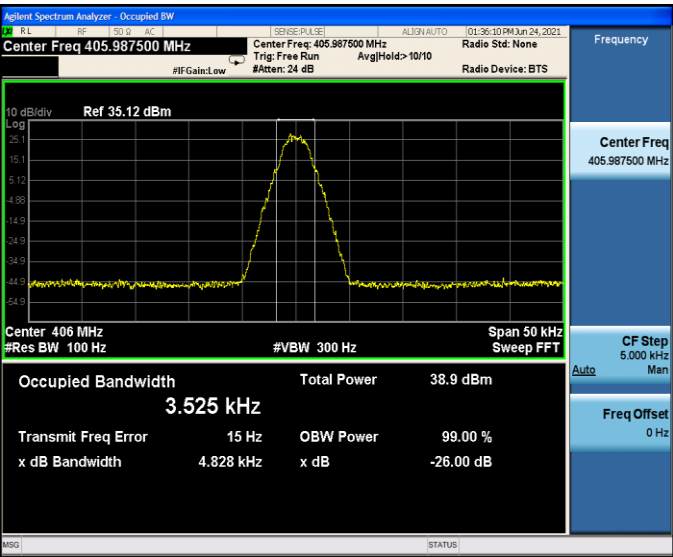
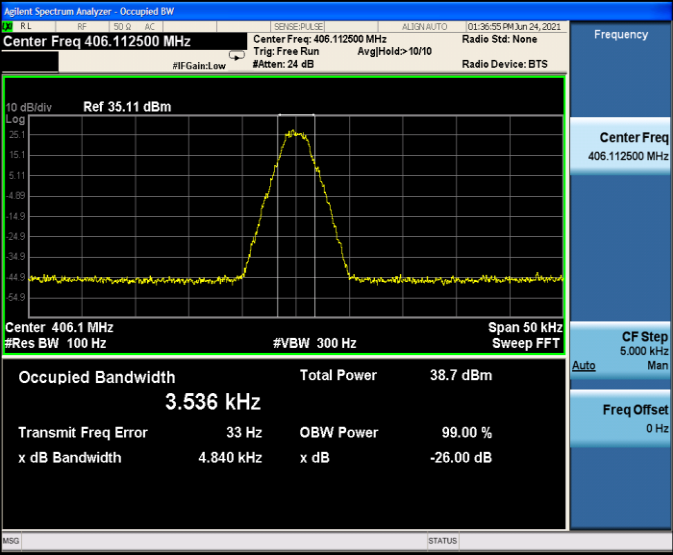
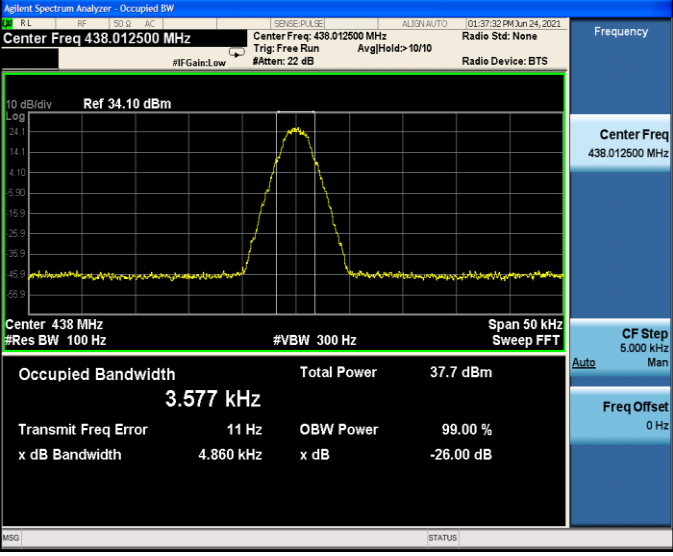
Appendix B:Occupied Bandwidth

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 #IF Gain: Low #Atten: 30 dB Ref 41.40 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.690 kHz Total Power 44.8 dBm Transmit Freq Error 24 Hz OBW Power 99.00 % x dB Bandwidth 4.879 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
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 #IF Gain: Low #Atten: 30 dB Ref 41.35 dBm 10 dB/div Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.620 kHz Total Power 44.7 dBm Transmit Freq Error 6 Hz OBW Power 99.00 % x dB Bandwidth 4.824 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
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 #IF Gain: Low #Atten: 30 dB Ref 41.47 dBm 10 dB/div Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.566 kHz Total Power 44.8 dBm Transmit Freq Error 24 Hz OBW Power 99.00 % x dB Bandwidth 4.819 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS

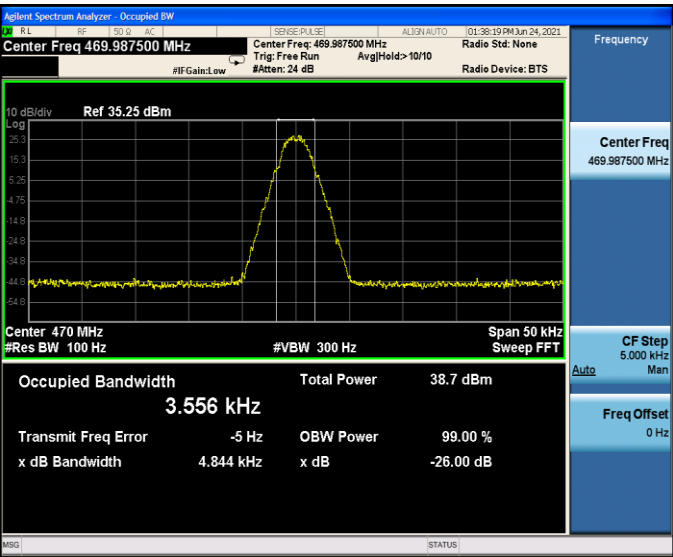
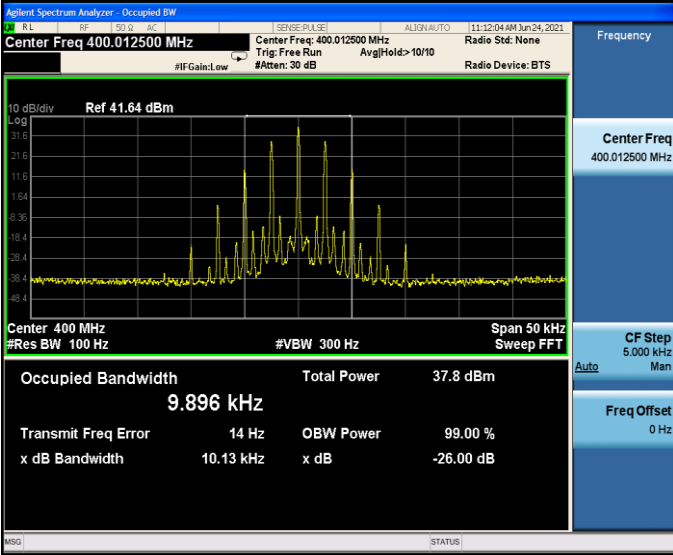
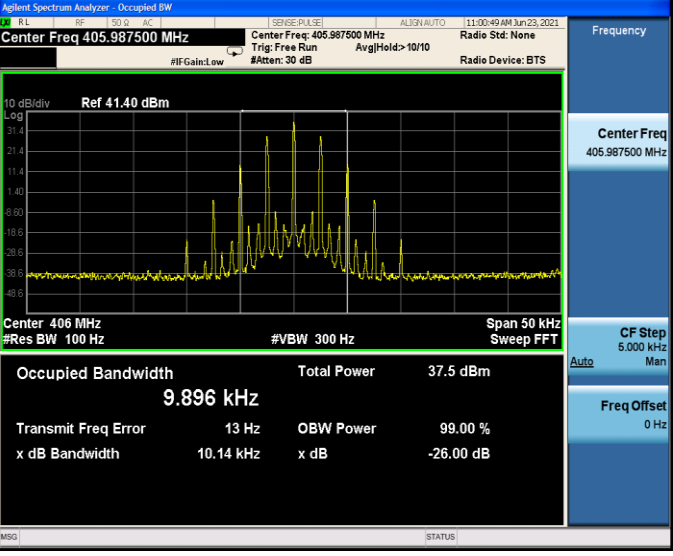
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 41.11 dBm Occupied Bandwidth 3.544 kHz Total Power 44.7 dBm Transmit Freq Error -6 Hz OBW Power 99.00 % x dB Bandwidth 4.914 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Ref 41.37 dBm Occupied Bandwidth 3.551 kHz Total Power 44.8 dBm Transmit Freq Error 32 Hz OBW Power 99.00 % x dB Bandwidth 4.890 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 35.39 dBm Occupied Bandwidth 3.616 kHz Total Power 39.1 dBm Transmit Freq Error 28 Hz OBW Power 99.00 % x dB Bandwidth 4.877 kHz x dB -26.00 dB

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 #IF Gain: Low #Atten: 24 dB Ref 35.12 dBm 10 dB/div Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.525 kHz Total Power 38.9 dBm Transmit Freq Error 15 Hz OBW Power 99.00 % x dB Bandwidth 4.828 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
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 #IF Gain: Low #Atten: 24 dB Ref 35.11 dBm 10 dB/div Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.536 kHz Total Power 38.7 dBm Transmit Freq Error 33 Hz OBW Power 99.00 % x dB Bandwidth 4.840 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
TX-DNL	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq 438.012500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 22 dB Ref 34.10 dBm 10 dB/div Log Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.577 kHz Total Power 37.7 dBm Transmit Freq Error 11 Hz OBW Power 99.00 % x dB Bandwidth 4.860 kHz x dB -26.00 dB Frequency Center Freq 438.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS

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 469.987500 MHz Center Freq 469.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 30 dB Ref 35.25 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.556 kHz Total Power 38.7 dBm Transmit Freq Error -5 Hz OBW Power 99.00 % x dB Bandwidth 4.844 kHz x dB -26.00 dB Frequency Center Freq 469.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
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: 30 dB Ref 41.64 dBm Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.896 kHz Total Power 37.8 dBm Transmit Freq Error 14 Hz OBW Power 99.00 % x dB Bandwidth 10.13 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
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: 30 dB Ref 41.40 dBm Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.896 kHz Total Power 37.5 dBm Transmit Freq Error 13 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 Man Freq Offset 0 Hz Auto MSG STATUS

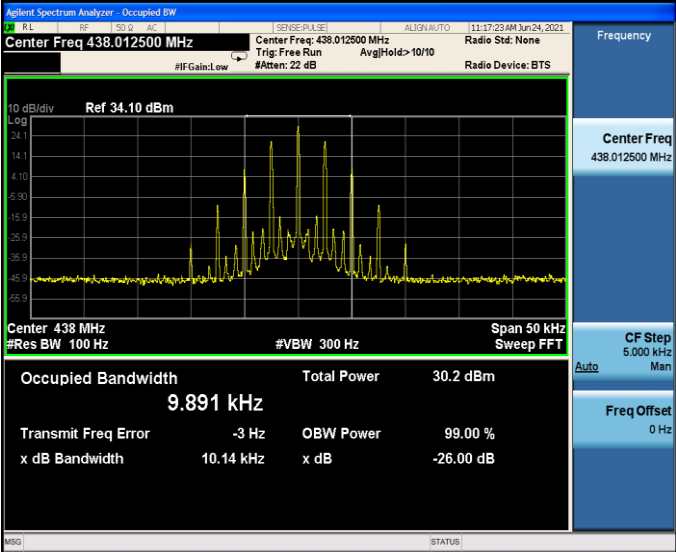
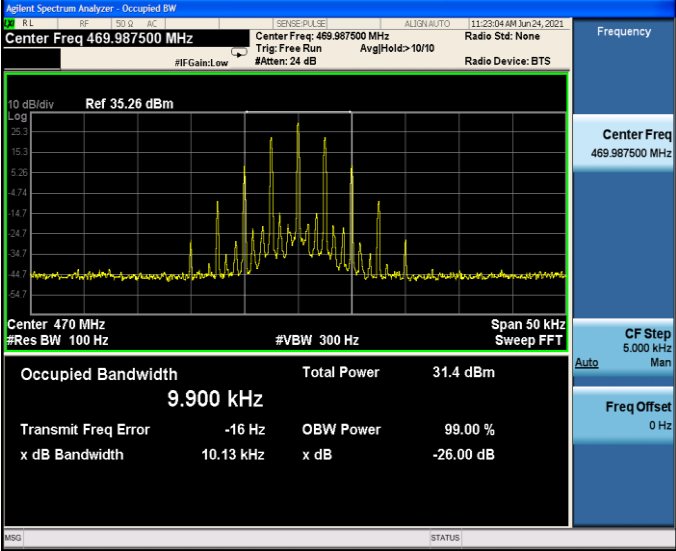
Appendix B:Occupied Bandwidth

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 #Attenu: 30 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.37 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.892 kHz Total Power 37.5 dBm Transmit Freq Error -7 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency 406.112500 MHz CF Step 5.000 kHz Freq Offset 0 Hz
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run #Attenu: 30 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.27 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.890 kHz Total Power 37.3 dBm Transmit Freq Error 0 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency 438.012500 MHz CF Step 5.000 kHz Freq Offset 0 Hz
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run #Attenu: 30 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 41.35 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.896 kHz Total Power 37.7 dBm Transmit Freq Error -17 Hz OBW Power 99.00 % x dB Bandwidth 10.13 kHz x dB -26.00 dB Frequency 469.987500 MHz CF Step 5.000 kHz Freq Offset 0 Hz

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 #IFGain: Low #Atten: 24 dB 10 dB/div Ref 35.28 dBm Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.892 kHz Total Power 31.3 dBm Transmit Freq Error 7 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz
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 #IFGain: Low #Atten: 24 dB 10 dB/div Ref 35.15 dBm Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.890 kHz Total Power 31.3 dBm Transmit Freq Error 2 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
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 #IFGain: Low #Atten: 24 dB 10 dB/div Ref 35.08 dBm Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.891 kHz Total Power 31.2 dBm Transmit Freq Error -7 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

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 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 22 dB 10 dB/div Ref 34.10 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.891 kHz Total Power 30.2 dBm Transmit Freq Error -3 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB Frequency 438.012500 MHz Center Freq 438.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: Low #Atten: 24 dB 10 dB/div Ref 35.26 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.900 kHz Total Power 31.4 dBm Transmit Freq Error -16 Hz OBW Power 99.00 % x dB Bandwidth 10.13 kHz x dB -26.00 dB Frequency 469.987500 MHz Center Freq 469.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto MSG STATUS

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DEH	4FSK	CH _L	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 36.95 dBm 400.0125000 MHz CF 400.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 15:56:16 Date: 24 JUN 2021 15:56:16
TX-DEH	4FSK	CH _{M1}	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 36.91 dBm 405.9875000 MHz CF 405.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:00:43 Date: 24 JUN 2021 16:00:43
TX-DEH	4FSK	CH _{M2}	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 36.90 dBm 406.1125000 MHz CF 406.1125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:05:14 Date: 24 JUN 2021 16:05:14

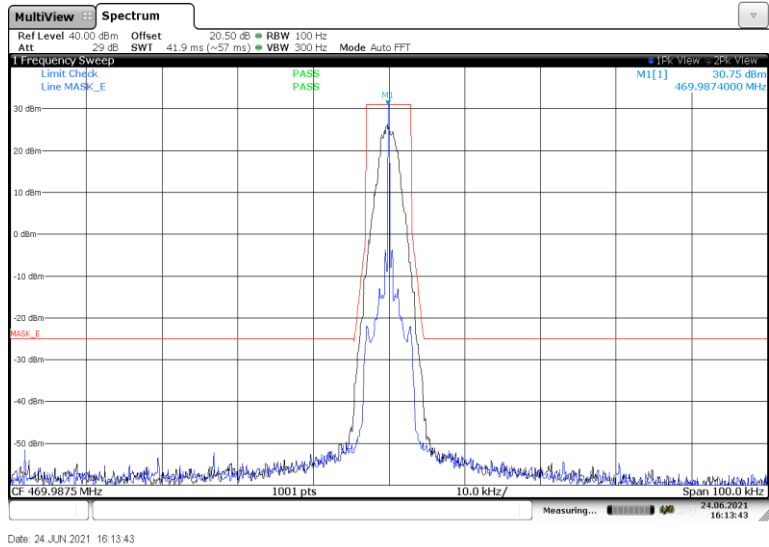
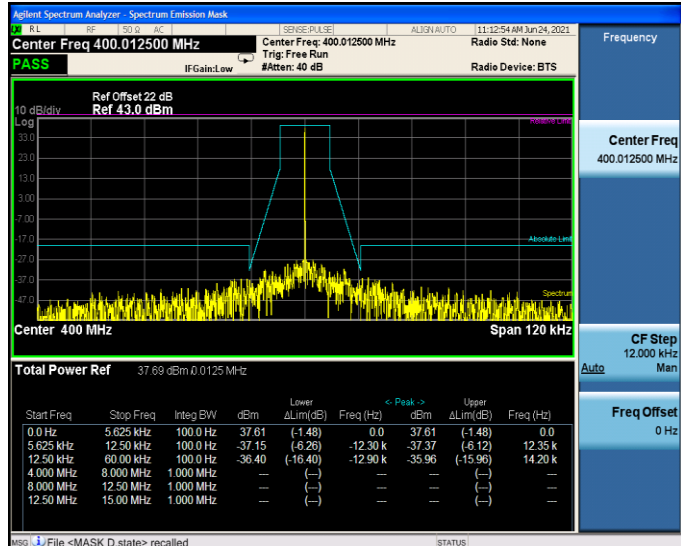
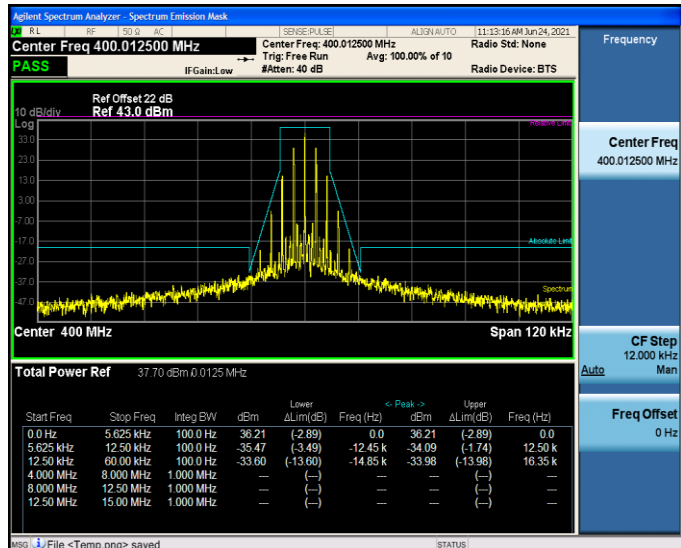
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DEH	4FSK	CH _{M3}	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 36.73 dBm 438.0124000 MHz CF 438.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:09:25 Date: 24 JUN 2021 16:09:25
TX-DEH	4FSK	CH _H	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 36.54 dBm 469.9874000 MHz CF 469.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:10:52 Date: 24 JUN 2021 16:10:53
TX-DEL	4FSK	CH _L	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 30.82 dBm 400.0125000 MHz CF 400.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:20:40 Date: 24 JUN 2021 16:20:41

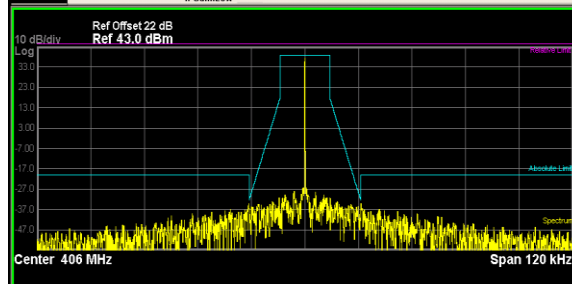
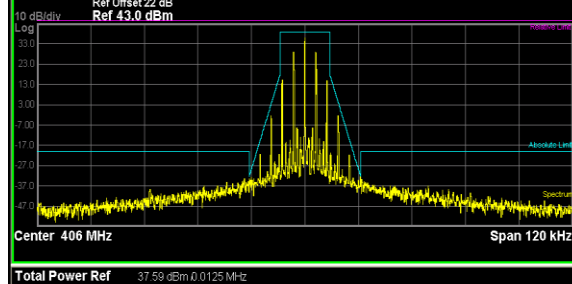
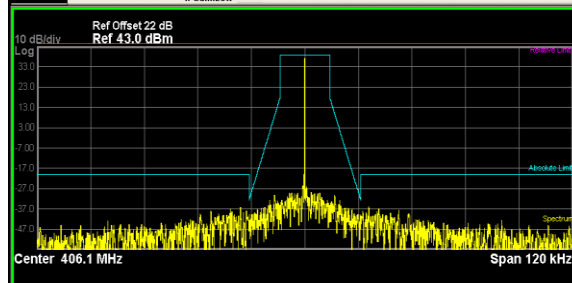
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DEL	4FSK	CH _{M1}	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 30.71 dBm 405.9874000 MHz CF 405.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:21:55 Date: 24 JUN 2021 16:21:56
TX-DEL	4FSK	CH _{M2}	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 30.65 dBm 406.1124000 MHz CF 406.1125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:18:21 Date: 24 JUN 2021 16:18:21
TX-DEL	4FSK	CH _{M3}	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 29.64 dBm 438.0124000 MHz CF 438.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:16:27 Date: 24 JUN 2021 16:16:27

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DEL	4FSK	CH _H	 MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 29 dB SWT 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS M1[1] 30.75 dBm 469.9874000 MHz CF 469.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 24.06.2021 16:13:43 Date: 24 JUN 2021 16:13:43
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None Trig: Free Run #Atten: 40 dB Radio Device: BTS PASS IF Gain: Low Ref Offset 22 dB Ref 43.0 dBm Log 10 dB/div Center 400 MHz Span 120 kHz Total Power Ref 37.69 dBm 0.0125 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 37.61 (-1.48) 0.0 37.61 (-1.48) 0.0 5.625 kHz 12.50 kHz 100.0 Hz 37.15 (-6.26) -12.30 k -37.37 (-6.12) 12.35 k 12.50 kHz 60.00 kHz 100.0 Hz -36.40 (-16.40) -12.90 k -35.96 (-15.96) 14.20 k 4.000 MHz 8.000 MHz 1.000 MHz (-) (-) (-) (-) 8.000 MHz 12.50 MHz 1.000 MHz (-) (-) (-) (-) 12.50 MHz 15.00 MHz 1.000 MHz (-) (-) (-) (-) File <MASK D.state> recalled (STATUS)
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS PASS IF Gain: Low Ref Offset 22 dB Ref 43.0 dBm Log 10 dB/div Center 400 MHz Span 120 kHz Total Power Ref 37.70 dBm 0.0125 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 36.21 (-2.89) 0.0 36.21 (-2.89) 0.0 5.625 kHz 12.50 kHz 100.0 Hz 35.47 (-3.49) -12.45 k -34.09 (-1.74) 12.50 k 12.50 kHz 60.00 kHz 100.0 Hz -33.60 (-13.60) -14.85 k -33.98 (-13.98) 16.35 k 4.000 MHz 8.000 MHz 1.000 MHz (-) (-) (-) (-) 8.000 MHz 12.50 MHz 1.000 MHz (-) (-) (-) (-) 12.50 MHz 15.00 MHz 1.000 MHz (-) (-) (-) (-) File <Temp.png> saved (STATUS)

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 500 Hz AC SENSE PULSE ALIGN AUTO 11:00:21 AM Jun 23, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Att: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 37.56 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>37.49</td><td>(-1.43)</td><td>0.0</td><td>37.49</td><td>(-1.43)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.51</td><td>(-7.36)</td><td>-11.90 k</td><td>-35.51</td><td>(-7.36)</td><td>11.90 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.17</td><td>(-14.17)</td><td>-12.55 k</td><td>-34.09</td><td>(-14.09)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSG File <MASK D.state> recalled STATUS 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	37.49	(-1.43)	0.0	37.49	(-1.43)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.51	(-7.36)	-11.90 k	-35.51	(-7.36)	11.90 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.17	(-14.17)	-12.55 k	-34.09	(-14.09)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 500 Hz AC SENSE PULSE ALIGN AUTO 11:01:43 AM Jun 23, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Att: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 37.59 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>(-2.82)</td><td>0.0</td><td>36.11</td><td>(-2.82)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.28</td><td>(-1.13)</td><td>-12.45 k</td><td>-32.13</td><td>(-0.32)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.48</td><td>(-13.48)</td><td>-13.55 k</td><td>-33.62</td><td>(-13.62)</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></tbody></table> MSG File <Temp.png> saved STATUS 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	36.11	(-2.82)	0.0	36.11	(-2.82)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.28	(-1.13)	-12.45 k	-32.13	(-0.32)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.48	(-13.48)	-13.55 k	-33.62	(-13.62)	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	—	(—)	—	—	(—)	—
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 _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 500 Hz AC SENSE PULSE ALIGN AUTO 11:18:59 AM Jun 23, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Att: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 43.0 dBm  Center 406.1 MHz Span 120 kHz Total Power Ref 37.40 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>37.42</td><td>(-1.44)</td><td>0.0</td><td>37.42</td><td>(-1.44)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.78</td><td>(-7.57)</td><td>-12.45 k</td><td>-39.57</td><td>(-7.36)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.06</td><td>(-16.06)</td><td>-14.35 k</td><td>-35.76</td><td>(-15.76)</td><td>14.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSG File <MASK D.state> recalled STATUS 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	37.42	(-1.44)	0.0	37.42	(-1.44)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.78	(-7.57)	-12.45 k	-39.57	(-7.36)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.06	(-16.06)	-14.35 k	-35.76	(-15.76)	14.35 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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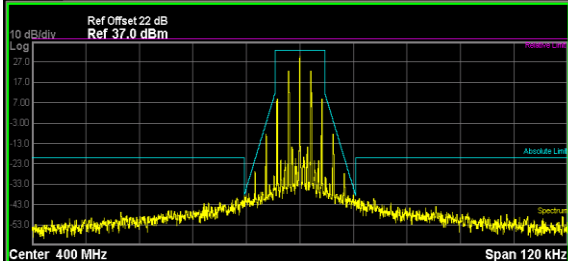
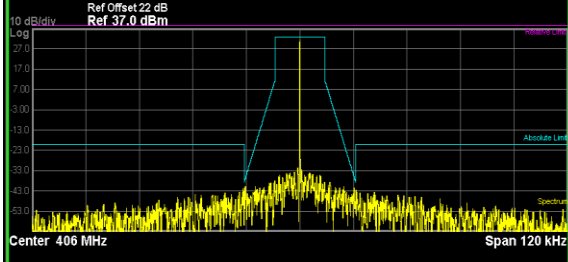
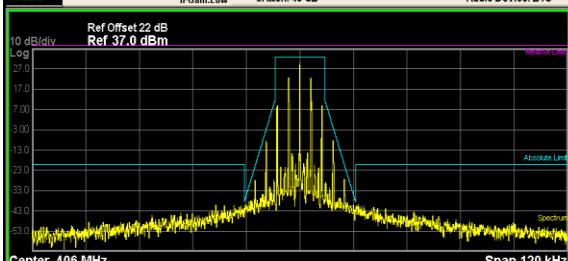
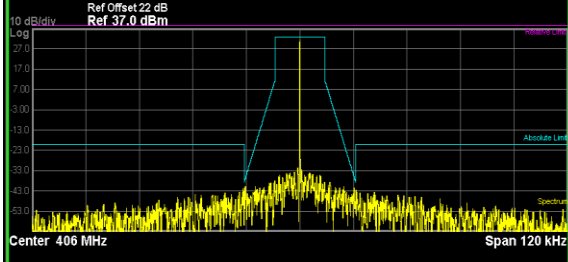
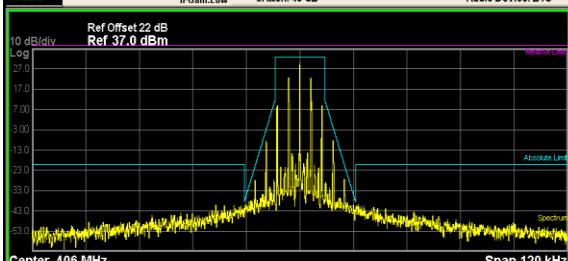
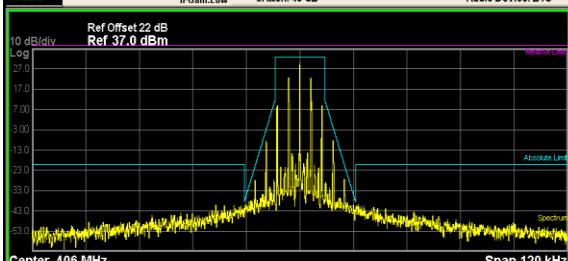
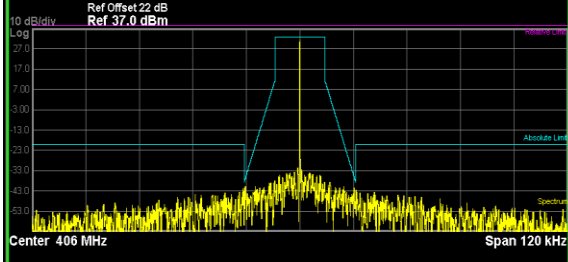
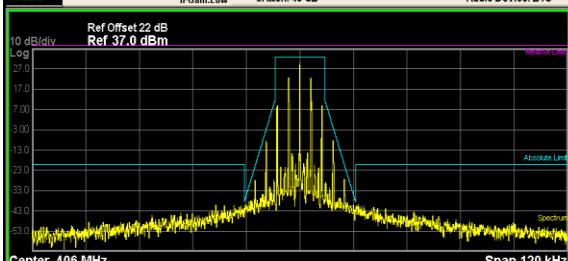
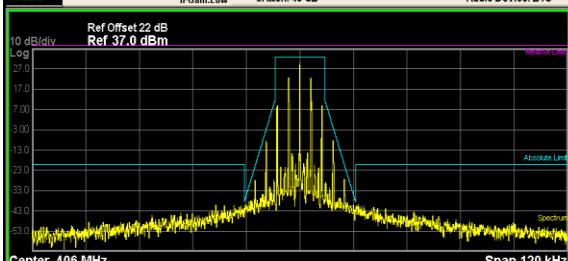
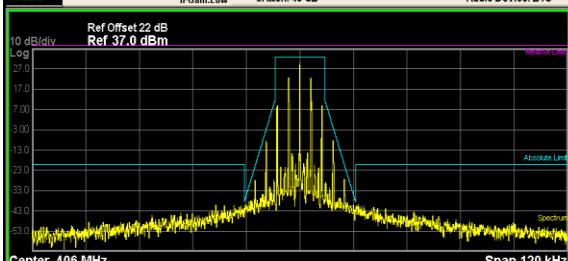
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:19:30 AM Jun 23, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Att: 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 Relative Lim Absolute Lim Spectrum Center 406.1 MHz Span 120 kHz Total Power Ref 37.40 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>35.98</td><td>(-2.88)</td><td>0.0</td><td>35.98</td><td>(-2.88)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.17</td><td>(-1.59)</td><td>-12.50 k</td><td>-35.18</td><td>(-2.96)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.04</td><td>(-14.04)</td><td>-14.15 k</td><td>-30.98</td><td>(-10.98)</td><td>12.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved (STATUS) Frequency Center Freq 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	35.98	(-2.88)	0.0	35.98	(-2.88)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.17	(-1.59)	-12.50 k	-35.18	(-2.96)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.04	(-14.04)	-14.15 k	-30.98	(-10.98)	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:19:22 AM Jun 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Att: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 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 Relative Lim Absolute Lim Spectrum Center 438 MHz Span 120 kHz Total Power Ref 37.88 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>37.87</td><td>(-0.73)</td><td>0.0</td><td>37.87</td><td>(-0.73)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.85</td><td>(-5.64)</td><td>-12.25 k</td><td>-37.04</td><td>(-6.03)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.01</td><td>(-15.01)</td><td>-15.45 k</td><td>-35.19</td><td>(-15.19)</td><td>15.45 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></table> File <MASK D.state> recalled (STATUS) Frequency Center Freq 438.012500 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	37.87	(-0.73)	0.0	37.87	(-0.73)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.85	(-5.64)	-12.25 k	-37.04	(-6.03)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.01	(-15.01)	-15.45 k	-35.19	(-15.19)	15.45 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	—	(—)	—	—	(—)	—
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	37.87	(-0.73)	0.0	37.87	(-0.73)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-36.85	(-5.64)	-12.25 k	-37.04	(-6.03)	12.25 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-35.01	(-15.01)	-15.45 k	-35.19	(-15.19)	15.45 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	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 11:19:43 AM Jun 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Att: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 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 Relative Lim Absolute Lim Spectrum Center 438 MHz Span 120 kHz Total Power Ref 37.91 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>36.51</td><td>(-2.10)</td><td>0.0</td><td>36.51</td><td>(-2.10)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.13</td><td>(-1.30)</td><td>-12.50 k</td><td>-33.35</td><td>(-0.52)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.60</td><td>(-13.60)</td><td>-15.80 k</td><td>-33.44</td><td>(-13.44)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved (STATUS) Frequency Center Freq 438.012500 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	36.51	(-2.10)	0.0	36.51	(-2.10)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.13	(-1.30)	-12.50 k	-33.35	(-0.52)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.60	(-13.60)	-15.80 k	-33.44	(-13.44)	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)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 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 _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 38.38 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>38.27</td><td>(-0.60)</td><td>0.0</td><td>38.27</td><td>(-0.60)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.71</td><td>(-4.23)</td><td>-12.35 k</td><td>-35.69</td><td>(-4.57)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.01</td><td>(-15.01)</td><td>-16.00 k</td><td>-34.72</td><td>(-14.72)</td><td>16.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 469.987500 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	38.27	(-0.60)	0.0	38.27	(-0.60)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.71	(-4.23)	-12.35 k	-35.69	(-4.57)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.01	(-15.01)	-16.00 k	-34.72	(-14.72)	16.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	38.27	(-0.60)	0.0	38.27	(-0.60)	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-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 43.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 38.48 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.91</td><td>(-1.96)</td><td>0.0</td><td>36.91</td><td>(-1.96)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.34</td><td>(-0.56)</td><td>-12.50 k</td><td>-33.20</td><td>(-1.36)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.36</td><td>(-13.36)</td><td>-14.00 k</td><td>-33.54</td><td>(-13.54)</td><td>13.05 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 469.987500 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	36.91	(-1.96)	0.0	36.91	(-1.96)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.34	(-0.56)	-12.50 k	-33.20	(-1.36)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.36	(-13.36)	-14.00 k	-33.54	(-13.54)	13.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	36.91	(-1.96)	0.0	36.91	(-1.96)	0.0																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 37.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 31.38 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.39</td><td>(-1.40)</td><td>0.0</td><td>31.39</td><td>(-1.40)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.48</td><td>(-3.20)</td><td>-12.45 k</td><td>-42.76</td><td>(-4.48)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.29</td><td>(-22.29)</td><td>-12.75 k</td><td>-42.46</td><td>(-22.46)</td><td>12.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 400.012500 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	31.39	(-1.40)	0.0	31.39	(-1.40)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.48	(-3.20)	-12.45 k	-42.76	(-4.48)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.29	(-22.29)	-12.75 k	-42.46	(-22.46)	12.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	31.39	(-1.40)	0.0	31.39	(-1.40)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-41.48	(-3.20)	-12.45 k	-42.76	(-4.48)	12.45 k																																																										
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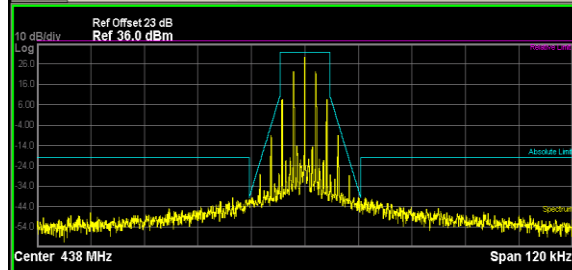
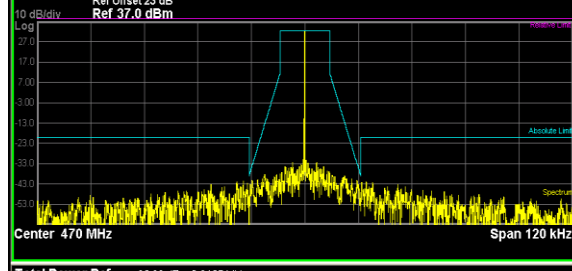
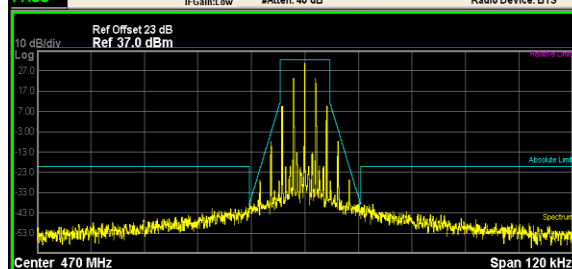
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RF SENSE-PULSE ALIGN-AUTO 11:14:55 AM Jun 24, 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 37.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 31.40 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>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.95</td><td>(-2.84)</td><td>0.0</td><td>29.95</td><td>(-2.84)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.62</td><td>(0.34)</td><td>-12.45 k</td><td>-41.10</td><td>(-2.45)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.77</td><td>(-19.77)</td><td>-13.95 k</td><td>-40.08</td><td>(-20.08)</td><td>16.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_{M1}</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RF SENSE-PULSE ALIGN-AUTO 11:04:05 AM Jun 23, 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 37.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 31.24 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.28</td><td>(-1.42)</td><td>0.0</td><td>31.28</td><td>(-1.42)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.89</td><td>(-4.34)</td><td>-12.20 k</td><td>-41.60</td><td>(-4.68)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.85</td><td>(-21.85)</td><td>-12.70 k</td><td>-42.41</td><td>(-22.41)</td><td>12.70 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> MSG File <MASK.D.state> recalled STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_{M1}</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RF SENSE-PULSE ALIGN-AUTO 11:04:26 AM Jun 23, 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 37.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 31.26 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>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.85</td><td>(-2.85)</td><td>0.0</td><td>29.85</td><td>(-2.85)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.13</td><td>(-1.39)</td><td>-12.50 k</td><td>-41.21</td><td>(-2.47)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.02</td><td>(-20.02)</td><td>-14.65 k</td><td>-39.69</td><td>(-19.69)</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> MSG File <Temp.png> saved STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz </td></tr></td></tr>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.95	(-2.84)	0.0	29.95	(-2.84)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.62	(0.34)	-12.45 k	-41.10	(-2.45)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.77	(-19.77)	-13.95 k	-40.08	(-20.08)	16.60 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	—	(—)	—	—	(—)	—	TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - 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Spectrum Emission Mask RF SENSE-PULSE ALIGN-AUTO 11:04:26 AM Jun 23, 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 37.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 31.26 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>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.85</td><td>(-2.85)</td><td>0.0</td><td>29.85</td><td>(-2.85)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.13</td><td>(-1.39)</td><td>-12.50 k</td><td>-41.21</td><td>(-2.47)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.02</td><td>(-20.02)</td><td>-14.65 k</td><td>-39.69</td><td>(-19.69)</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> MSG File <Temp.png> saved STATUS 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.85	(-2.85)	0.0	29.85	(-2.85)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.13	(-1.39)	-12.50 k	-41.21	(-2.47)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.02	(-20.02)	-14.65 k	-39.69	(-19.69)	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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL SENSE PULSE ALIGN AUTO 11:20:47 AM Jun 23, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Att: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 -3.00 -13.0 -23.0 -33.0 -43.0 -53.0 Center 406.1 MHz Span 120 kHz Total Power Ref 31.11 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>31.10</td><td>(-1.76)</td><td>0.0</td><td>31.10</td><td>(-1.76)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.59</td><td>(-5.02)</td><td>-12.50 k</td><td>-43.82</td><td>(-5.25)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.38</td><td>(-23.38)</td><td>-13.50 k</td><td>-42.94</td><td>(-22.94)</td><td>13.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled (STATUS) 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	31.10	(-1.76)	0.0	31.10	(-1.76)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.59	(-5.02)	-12.50 k	-43.82	(-5.25)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.38	(-23.38)	-13.50 k	-42.94	(-22.94)	13.50 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
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TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL SENSE PULSE ALIGN AUTO 11:21:08 AM Jun 23, 2021 Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain: Low #Att: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 -3.00 -13.0 -23.0 -33.0 -43.0 -53.0 Center 406.1 MHz Span 120 kHz Total Power Ref 31.13 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>29.67</td><td>(-3.19)</td><td>0.0</td><td>29.67</td><td>(-3.19)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.37</td><td>(-3.80)</td><td>-12.50 k</td><td>-38.31</td><td>(-2.84)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.69</td><td>(-19.69)</td><td>-12.55 k</td><td>-40.28</td><td>(-20.28)</td><td>17.10 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) 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	29.67	(-3.19)	0.0	29.67	(-3.19)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.37	(-3.80)	-12.50 k	-38.31	(-2.84)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.69	(-19.69)	-12.55 k	-40.28	(-20.28)	17.10 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	—	(—)	—	—	(—)	—	Auto
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TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL SENSE PULSE ALIGN AUTO 11:21:05 AM Jun 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low #Att: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 36.0 dBm 10 dB/div Log 28.0 18.0 8.00 -4.00 -14.0 -24.0 -34.0 -44.0 -54.0 Center 438 MHz Span 120 kHz Total Power Ref 30.88 dBm/0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.90</td><td>(-0.77)</td><td>0.0</td><td>30.90</td><td>(-0.77)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.05</td><td>(-5.28)</td><td>-12.50 k</td><td>-43.01</td><td>(-3.24)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.54</td><td>(-22.54)</td><td>-13.45 k</td><td>-42.38</td><td>(-22.38)</td><td>13.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled (STATUS) Frequency Center Freq 438.012500 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	30.90	(-0.77)	0.0	30.90	(-0.77)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.05	(-5.28)	-12.50 k	-43.01	(-3.24)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.54	(-22.54)	-13.45 k	-42.38	(-22.38)	13.45 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	Auto
			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

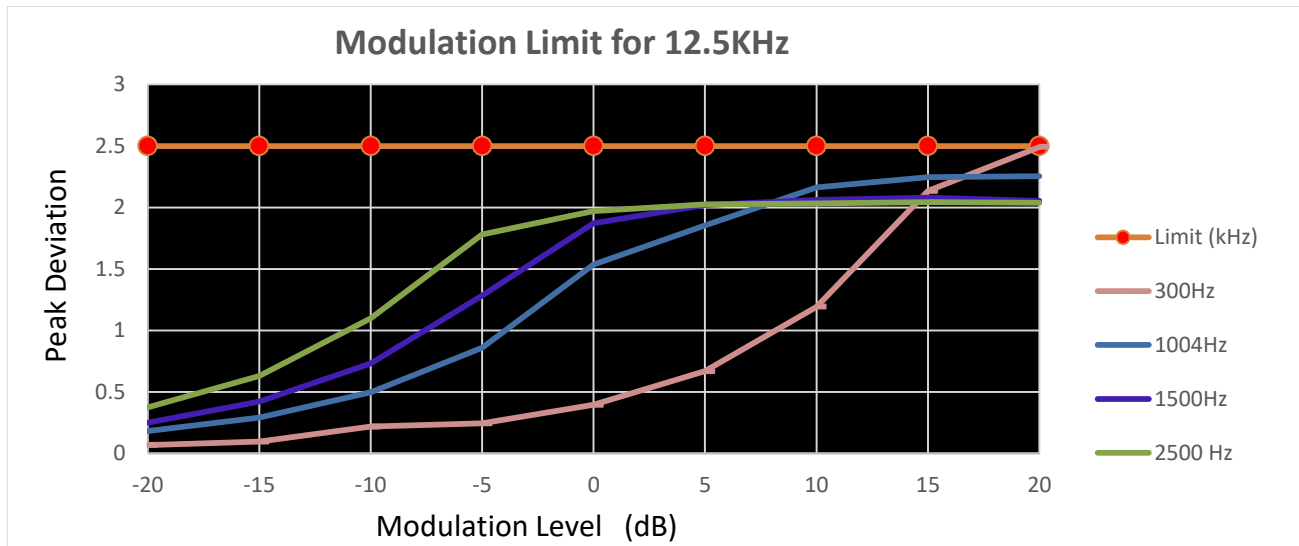
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RF IF dBm AC SENSE PULSE ALIGN AUTO 11:19:28 AM Jun 24, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 36.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 30.91 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>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.48</td><td>(-2.19)</td><td>0.0</td><td>29.48</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>-40.37</td><td>(-0.60)</td><td>-12.50 k</td><td>-41.35</td><td>(-1.58)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.73</td><td>(-19.73)</td><td>-16.15 k</td><td>-39.76</td><td>(-19.76)</td><td>13.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.48	(-2.19)	0.0	29.48	(-2.19)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.37	(-0.60)	-12.50 k	-41.35	(-1.58)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.73	(-19.73)	-16.15 k	-39.76	(-19.76)	13.60 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																							
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RF IF dBm AC SENSE PULSE ALIGN AUTO 11:23:40 AM Jun 24, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 37.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 32.09 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>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.98</td><td>(-0.52)</td><td>0.0</td><td>31.98</td><td>(-0.52)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.14</td><td>(-6.75)</td><td>-12.15 k</td><td>-43.13</td><td>(-7.11)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.60</td><td>(-21.60)</td><td>-13.80 k</td><td>-41.84</td><td>(-21.84)</td><td>13.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSG File <MASK.D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.98	(-0.52)	0.0	31.98	(-0.52)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.14	(-6.75)	-12.15 k	-43.13	(-7.11)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.60	(-21.60)	-13.80 k	-41.84	(-21.84)	13.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																							
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RF IF dBm AC SENSE PULSE ALIGN AUTO 11:24:02 AM Jun 24, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 37.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 32.20 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>dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.61</td><td>(-1.89)</td><td>0.0</td><td>30.61</td><td>(-1.89)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.49</td><td>(-1.01)</td><td>-12.30 k</td><td>-38.31</td><td>(-0.83)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.10</td><td>(-20.10)</td><td>-13.15 k</td><td>-38.72</td><td>(-18.72)</td><td>15.35 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> MSG File <Temp.png> saved STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.61	(-1.89)	0.0	30.61	(-1.89)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.49	(-1.01)	-12.30 k	-38.31	(-0.83)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.10	(-20.10)	-13.15 k	-38.72	(-18.72)	15.35 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	—	(—)	—	—	(—)	—
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																							
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

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	0.069	0.182	0.251	0.376	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.096	0.291	0.422	0.631	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.218	0.498	0.732	1.099	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.244	0.86	1.283	1.781	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.395	1.537	1.871	1.97	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.669	1.854	2.021	2.025	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.193	2.162	2.061	2.033	2.5	PASS
TX-ANH	FM	CH _{M2}	15	2.134	2.247	2.079	2.044	2.5	PASS
TX-ANH	FM	CH _{M2}	20	2.492	2.255	2.053	2.039	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

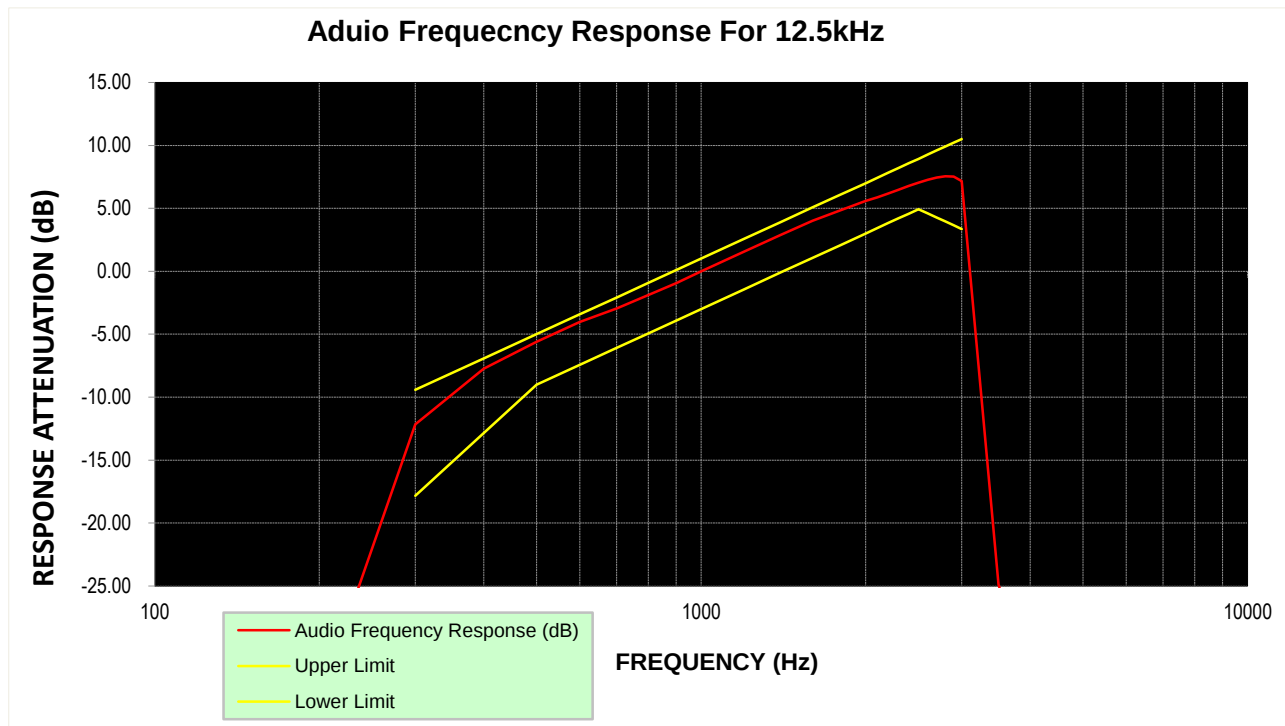


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-34.05			PASS
TX-ANH	FM	CH _{M2}	200	-34.09			PASS
TX-ANH	FM	CH _{M2}	300	-12.16	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-7.75	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-5.61	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-4.03	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-2.95	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-1.88	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-0.95	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.01	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.57	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.90	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.00	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	4.85	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	5.59	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	5.88	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	6.18	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	6.47	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	6.77	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.04	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	7.26	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	7.44	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	7.54	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	7.51	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	7.16	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-24.87			PASS
TX-ANH	FM	CH _{M2}	4000	-33.47			PASS
TX-ANH	FM	CH _{M2}	4500	-33.79			PASS
TX-ANH	FM	CH _{M2}	5000	-33.78			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



Appendix F:Frequency Stability Test & Temperature

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DEH	4FSK	V _N	-30	-0.068	-0.067	-0.068	-0.054	-0.063	±1.0	PASS
TX-DEH	4FSK	V _N	-20	-0.069	-0.065	-0.072	-0.056	-0.066	±1.0	PASS
TX-DEH	4FSK	V _N	-10	-0.072	-0.067	-0.069	-0.054	-0.066	±1.0	PASS
TX-DEH	4FSK	V _N	0	-0.072	-0.065	-0.067	-0.053	-0.066	±1.0	PASS
TX-DEH	4FSK	V _N	10	-0.068	-0.068	-0.072	-0.055	-0.067	±1.0	PASS
TX-DEH	4FSK	V _N	20	-0.066	-0.063	-0.067	-0.051	-0.061	±1.0	PASS
TX-DEH	4FSK	V _N	30	-0.069	-0.067	-0.071	-0.055	-0.062	±1.0	PASS
TX-DEH	4FSK	V _N	40	-0.071	-0.065	-0.069	-0.052	-0.062	±1.0	PASS
TX-DEH	4FSK	V _N	50	-0.070	-0.065	-0.071	-0.055	-0.067	±1.0	PASS
TX-DEL	4FSK	V _N	-30	-0.074	-0.069	-0.070	-0.055	-0.060	±1.0	PASS
TX-DEL	4FSK	V _N	-20	-0.072	-0.067	-0.069	-0.053	-0.057	±1.0	PASS
TX-DEL	4FSK	V _N	-10	-0.073	-0.067	-0.067	-0.057	-0.056	±1.0	PASS
TX-DEL	4FSK	V _N	0	-0.071	-0.066	-0.065	-0.055	-0.056	±1.0	PASS
TX-DEL	4FSK	V _N	10	-0.069	-0.067	-0.070	-0.056	-0.059	±1.0	PASS
TX-DEL	4FSK	V _N	20	-0.068	-0.066	-0.064	-0.052	-0.056	±1.0	PASS
TX-DEL	4FSK	V _N	30	-0.074	-0.070	-0.066	-0.056	-0.058	±1.0	PASS
TX-DEL	4FSK	V _N	40	-0.070	-0.068	-0.067	-0.056	-0.061	±1.0	PASS
TX-DEL	4FSK	V _N	50	-0.070	-0.067	-0.069	-0.053	-0.056	±1.0	PASS
TX-ANH	FM	V _N	-30	0.090	0.086	0.051	0.054	0.020	±2.5	PASS
TX-ANH	FM	V _N	-20	0.088	0.089	0.054	0.051	0.021	±2.5	PASS
TX-ANH	FM	V _N	-10	0.084	0.087	0.052	0.052	0.020	±2.5	PASS
TX-ANH	FM	V _N	0	0.085	0.084	0.051	0.052	0.021	±2.5	PASS
TX-ANH	FM	V _N	10	0.087	0.087	0.050	0.055	0.020	±2.5	PASS
TX-ANH	FM	V _N	20	0.083	0.082	0.049	0.051	0.020	±2.5	PASS
TX-ANH	FM	V _N	30	0.091	0.085	0.049	0.055	0.020	±2.5	PASS
TX-ANH	FM	V _N	40	0.086	0.084	0.052	0.052	0.022	±2.5	PASS
TX-ANH	FM	V _N	50	0.090	0.089	0.049	0.056	0.022	±2.5	PASS
TX-ANL	FM	V _N	-30	0.068	0.072	0.035	0.043	0.024	±2.5	PASS
TX-ANL	FM	V _N	-20	0.072	0.068	0.037	0.044	0.025	±2.5	PASS
TX-ANL	FM	V _N	-10	0.073	0.069	0.039	0.046	0.024	±2.5	PASS
TX-ANL	FM	V _N	0	0.070	0.070	0.038	0.042	0.024	±2.5	PASS
TX-ANL	FM	V _N	10	0.072	0.068	0.037	0.045	0.024	±2.5	PASS
TX-ANL	FM	V _N	20	0.068	0.067	0.035	0.042	0.023	±2.5	PASS
TX-ANL	FM	V _N	30	0.072	0.069	0.036	0.045	0.024	±2.5	PASS
TX-ANL	FM	V _N	40	0.071	0.069	0.038	0.042	0.023	±2.5	PASS
TX-ANL	FM	V _N	50	0.071	0.072	0.036	0.042	0.025	±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-DEH	4FSK	V _N	T _N	-0.066	-0.063	-0.067	-0.051	-0.061	±1.0	PASS
TX-DEH	4FSK	V _L	T _N	-0.066	-0.063	-0.068	-0.052	-0.062	±1.0	PASS
TX-DEH	4FSK	V _H	T _N	-0.067	-0.064	-0.069	-0.051	-0.062	±1.0	PASS
TX-DEL	4FSK	V _N	T _N	-0.068	-0.066	-0.064	-0.052	-0.056	±1.0	PASS
TX-DEL	4FSK	V _L	T _N	-0.070	-0.066	-0.065	-0.052	-0.056	±1.0	PASS
TX-DEL	4FSK	V _H	T _N	-0.070	-0.068	-0.067	-0.055	-0.059	±1.0	PASS
TX-ANH	FM	V _N	T _N	0.083	0.082	0.049	0.051	0.020	±2.5	PASS
TX-ANH	FM	V _L	T _N	0.084	0.082	0.049	0.052	0.020	±2.5	PASS
TX-ANH	FM	V _H	T _N	0.085	0.084	0.051	0.053	0.021	±2.5	PASS
TX-ANL	FM	V _N	T _N	0.068	0.067	0.035	0.042	0.023	±2.5	PASS
TX-ANL	FM	V _L	T _N	0.069	0.068	0.035	0.042	0.023	±2.5	PASS
TX-ANL	FM	V _H	T _N	0.072	0.071	0.035	0.042	0.023	±2.5	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT												
TX-DEH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 40.00 dBm Offset 26.50 dB Att 23 dB AQT 99.968 ms DBW 12.5 kHz Freq 406.1125 MHz TRG: IFPI (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="2">Carrier Power 36.66 dBm</td><td colspan="2">Carrier Offset -19.81 Hz</td></tr><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td></tr><tr><td>FM 6.0745 kHz</td><td>-6.1773 kHz</td><td>6.1259 kHz</td><td>1.3284 kHz</td></tr></table> Analog Demod: Waiting for Trigger...Measuring...24.06.2021 16:49:22	Carrier Power 36.66 dBm		Carrier Offset -19.81 Hz		+Peak	-Peak	+Peak/2	RMS	FM 6.0745 kHz	-6.1773 kHz	6.1259 kHz	1.3284 kHz
Carrier Power 36.66 dBm		Carrier Offset -19.81 Hz													
+Peak	-Peak	+Peak/2	RMS												
FM 6.0745 kHz	-6.1773 kHz	6.1259 kHz	1.3284 kHz												
TX-DEH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 40.00 dBm Offset 26.50 dB Att 23 dB AQT 99.968 ms DBW 12.5 kHz Freq 406.1125 MHz TRG: IFPI (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="2">Carrier Power 37.46 dBm</td><td colspan="2">Carrier Offset -6.38 Hz</td></tr><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td></tr><tr><td>FM 15.291 kHz</td><td>-9.5081 kHz</td><td>12.399 kHz</td><td>1.5478 kHz</td></tr></table> Analog Demod: Waiting for Trigger...Measuring...24.06.2021 16:48:44	Carrier Power 37.46 dBm		Carrier Offset -6.38 Hz		+Peak	-Peak	+Peak/2	RMS	FM 15.291 kHz	-9.5081 kHz	12.399 kHz	1.5478 kHz
Carrier Power 37.46 dBm		Carrier Offset -6.38 Hz													
+Peak	-Peak	+Peak/2	RMS												
FM 15.291 kHz	-9.5081 kHz	12.399 kHz	1.5478 kHz												
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 40.00 dBm Offset 26.50 dB Att 23 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: IFPI (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="2">Carrier Power 36.67 dBm</td><td colspan="2">Carrier Offset -54.00 Hz</td></tr><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td></tr><tr><td>FM 12.877 kHz</td><td>-12.641 kHz</td><td>12.759 kHz</td><td>2.6498 kHz</td></tr></table> Analog Demod: Waiting for Trigger...Measuring...24.06.2021 16:39:11	Carrier Power 36.67 dBm		Carrier Offset -54.00 Hz		+Peak	-Peak	+Peak/2	RMS	FM 12.877 kHz	-12.641 kHz	12.759 kHz	2.6498 kHz
Carrier Power 36.67 dBm		Carrier Offset -54.00 Hz													
+Peak	-Peak	+Peak/2	RMS												
FM 12.877 kHz	-12.641 kHz	12.759 kHz	2.6498 kHz												

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	MultiView Spectrum Analog Demod Ref Level 40.00 dBm Offset 26.50 dB Att 23 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFP(173MHz) MFG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary Carrier Power 37.50 dBm Carrier Offset -54.70 Hz FM +Peak 20.909 kHz -Peak -26.993 kHz +Peak/2 23.951 kHz BMS 2.875 kHz Mod. Freq. --- SINAD --- THD --- Analog Demod. Waiting for trigger... Measuring... 24.06.2021 16:39:49

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DEH	4FSK	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -31.72 dBm 1.199931000 GHz SPURIOUS_LINE_ABS_001 M1 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.32311 kHz</td><td>-71.19 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.92 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-12.37 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>-31.72 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 24.06.2021 15:31:41 Date: 24 JUN 2021 15:31:41	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-71.19 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.92 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-12.37 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.19993 GHz	-31.72 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-71.19 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.92 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-12.37 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.19993 GHz	-31.72 dBm	-200.00 dB																												
TX-DEH	4FSK	CH _{M1}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -31.17 dBm 1.217931000 GHz SPURIOUS_LINE_ABS_001 M1 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.32311 kHz</td><td>-71.58 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-73.08 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-22.09 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>-31.17 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 24.06.2021 15:32:03 Date: 24 JUN 2021 15:32:03	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-71.58 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-73.08 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-22.09 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-31.17 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-71.58 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-73.08 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-22.09 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-31.17 dBm	-200.00 dB																												
TX-DEH	4FSK	CH _{M2}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -31.18 dBm 1.218306000 GHz SPURIOUS_LINE_ABS_001 M1 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.52425 kHz</td><td>-70.91 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.70 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-22.36 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>-31.18 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 24.06.2021 15:32:30 Date: 24 JUN 2021 15:32:30	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.52425 kHz	-70.91 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.70 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-22.36 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21831 GHz	-31.18 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.52425 kHz	-70.91 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.70 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-22.36 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21831 GHz	-31.18 dBm	-200.00 dB																												

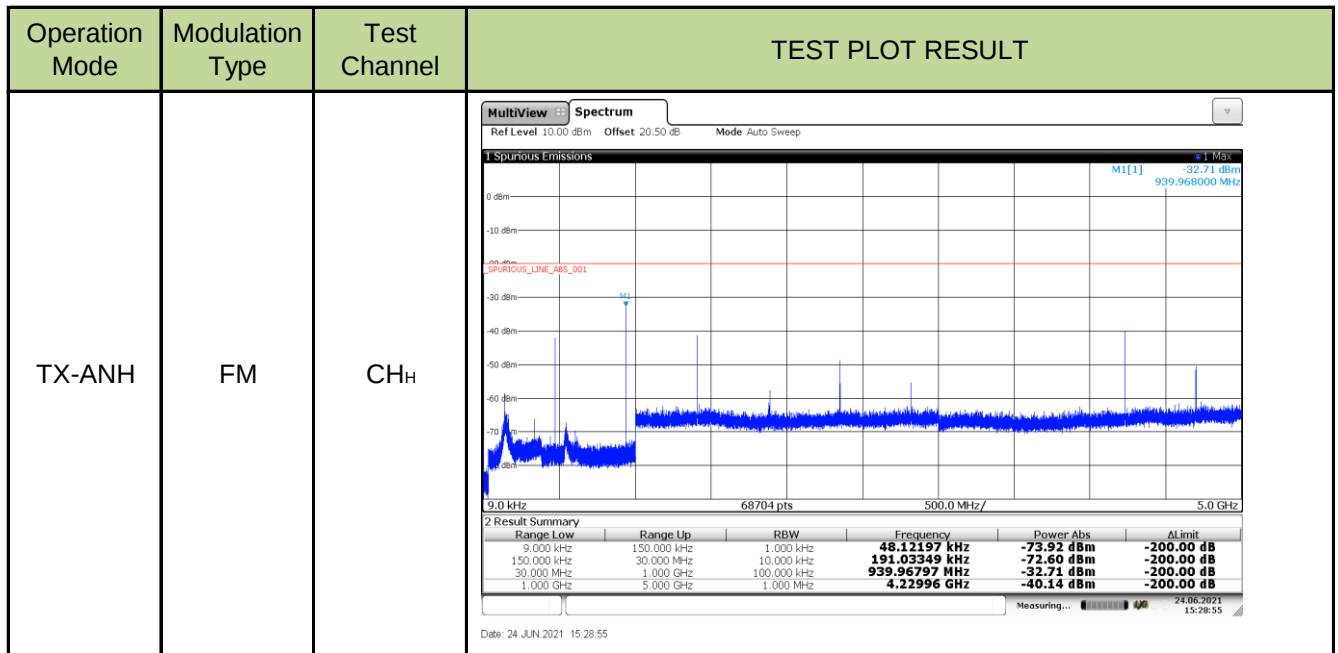
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DEH	4FSK	CH _{M3}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -37.63 dBm 1.314053000 GHz SPURIOUS_LINE_ABS_001 -30 dBm 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.12197 kHz</td><td>-73.35 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.81 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>876.01059 MHz</td><td>-39.40 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>1.31405 GHz</td><td>-37.63 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 24.06.2021 15:32:52 Date: 24 JUN 2021 15:32:51	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.12197 kHz	-73.35 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.81 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	876.01059 MHz	-39.40 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.31405 GHz	-37.63 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.12197 kHz	-73.35 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.81 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	876.01059 MHz	-39.40 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.31405 GHz	-37.63 dBm	-200.00 dB																												
TX-DEH	4FSK	CH _H	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -32.72 dBm 939.968000 MHz SPURIOUS_LINE_ABS_001 -30 dBm 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.12197 kHz</td><td>-75.15 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.53 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>939.96797 MHz</td><td>-32.72 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>4.22996 GHz</td><td>-40.55 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 24.06.2021 15:33:14 Date: 24 JUN 2021 15:33:14	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.12197 kHz	-75.15 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.53 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	939.96797 MHz	-32.72 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.22996 GHz	-40.55 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.12197 kHz	-75.15 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.53 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	939.96797 MHz	-32.72 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	4.22996 GHz	-40.55 dBm	-200.00 dB																												
TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -31.64 dBm 1.199931000 GHz SPURIOUS_LINE_ABS_001 -30 dBm 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.52425 kHz</td><td>-71.28 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.12 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-12.34 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>-31.64 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 24.06.2021 15:26:41 Date: 24 JUN 2021 15:26:41	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.52425 kHz	-71.28 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.12 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-12.34 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.19993 GHz	-31.64 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.52425 kHz	-71.28 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.12 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-12.34 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.19993 GHz	-31.64 dBm	-200.00 dB																												

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-ANH	FM	CH _{M1}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -31.09 dBm 1.217931000 GHz SPURIOUS_LINE_A85_001 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.32311 kHz</td><td>-71.09 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.19 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-22.07 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>-31.09 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 24.06.2021 15:27:41 Date: 24 JUN 2021 15:27:42	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-71.09 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.19 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-22.07 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-31.09 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ALimit																												
9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-71.09 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.19 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-22.07 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-31.09 dBm	-200.00 dB																												
TX-ANH	FM	CH _{M2}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -31.21 dBm 1.218306000 GHz SPURIOUS_LINE_A85_001 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.32311 kHz</td><td>-70.92 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-72.80 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-22.34 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>-31.21 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 24.06.2021 15:28:08 Date: 24 JUN 2021 15:28:08	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.32311 kHz	-70.92 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-72.80 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-22.34 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21831 GHz	-31.21 dBm	-200.00 dB
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TX-ANH	FM	CH _{M3}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -37.70 dBm 1.313928000 GHz SPURIOUS_LINE_A85_001 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ALimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>48.12197 kHz</td><td>-72.72 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>191.03349 kHz</td><td>-73.11 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>876.01059 MHz</td><td>-39.57 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>1.31393 GHz</td><td>-37.70 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 24.06.2021 15:28:31 Date: 24 JUN 2021 15:28:31	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	48.12197 kHz	-72.72 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	191.03349 kHz	-73.11 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	876.01059 MHz	-39.57 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.31393 GHz	-37.70 dBm	-200.00 dB
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Appendix I:Spurious Emission On Antenna Port



----End of Report----