

Project No.	SHT2109018801EW		
Test sample No.	YPHT21090188004	Model No.	TALK-D120
Start test date	2021/9/16	Finish date	2021/9/17
Temperature	24.7℃	Humidity	51%
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	9/16	PASS
B	Occupied Bandwidth	9/16	PASS
C	Emission Mask	9/16	PASS
D	Modulation Limit	9/16	PASS
E	Audio Frequency Response	9/16	PASS
F	Frequency Stability Test & Temperature	9/16	PASS
G	Frequency Stability Test & Voltage	9/16	PASS
H	Transmitter Frequency Behavior	9/17	PASS
I	Spurious Emission On Antenna Port	9/17	PASS

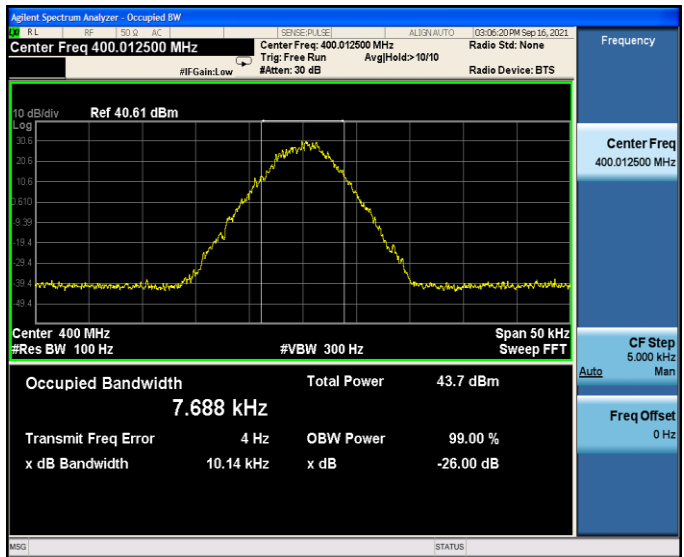
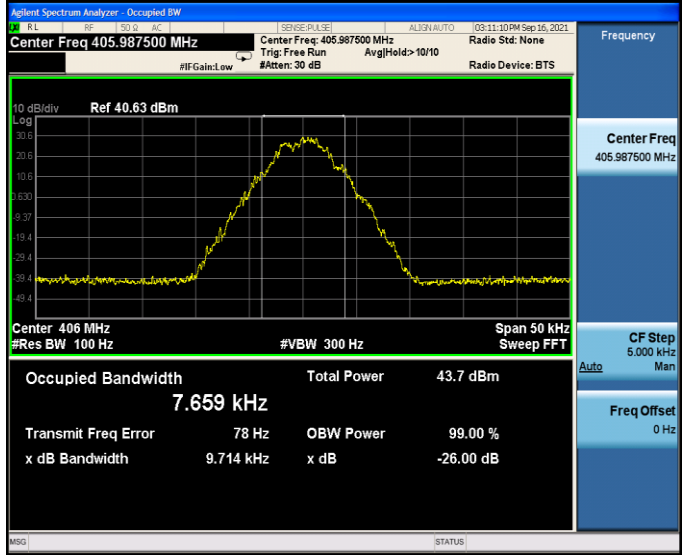
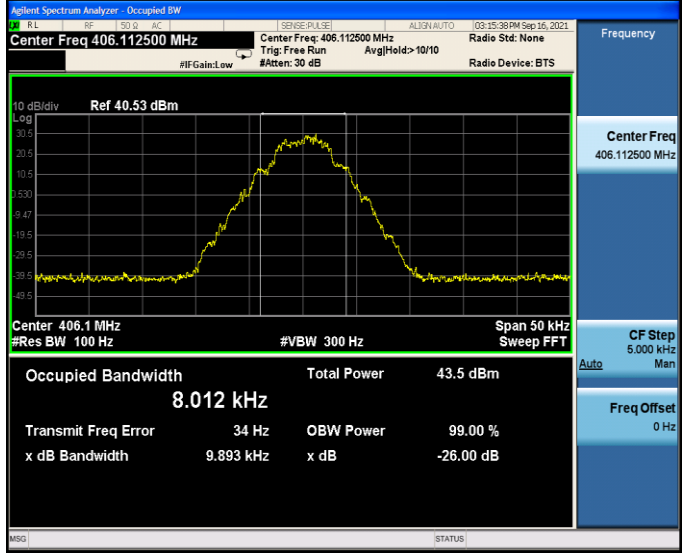
Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage(%)	Limit (%)	Result
TX-DNH	4FSK	CH _L	36.7	4.68	4.00	17.0	±20	PASS
TX-DNH	4FSK	CH _{M1}	36.8	4.75	4.00	18.8	±20	PASS
TX-DNH	4FSK	CH _{M2}	36.7	4.66	4.00	16.5	±20	PASS
TX-DNH	4FSK	CH _{M3}	36.8	4.76	4.00	19.0	±20	PASS
TX-DNH	4FSK	CH _H	36.7	4.63	4.00	15.8	±20	PASS
TX-DNL	4FSK	CH _L	29.2	0.84	1.00	-16.0	±20	PASS
TX-DNL	4FSK	CH _{M1}	30.6	1.14	1.00	14.0	±20	PASS
TX-DNL	4FSK	CH _{M2}	30.4	1.08	1.00	8.0	±20	PASS
TX-DNL	4FSK	CH _{M3}	29.8	0.95	1.00	-5.0	±20	PASS
TX-DNL	4FSK	CH _H	29.1	0.81	1.00	-19.0	±20	PASS
TX-ANH	FM	CH _L	36.7	4.68	4.00	17.0	±20	PASS
TX-ANH	FM	CH _{M1}	36.8	4.73	4.00	18.3	±20	PASS
TX-ANH	FM	CH _{M2}	36.7	4.62	4.00	15.5	±20	PASS
TX-ANH	FM	CH _{M3}	36.7	4.72	4.00	18.0	±20	PASS
TX-ANH	FM	CH _H	36.7	4.63	4.00	15.8	±20	PASS
TX-ANL	FM	CH _L	29.9	0.98	1.00	-2.0	±20	PASS
TX-ANL	FM	CH _{M1}	30.2	1.06	1.00	6.0	±20	PASS
TX-ANL	FM	CH _{M2}	30.4	1.09	1.00	9.0	±20	PASS
TX-ANL	FM	CH _{M3}	29.8	0.96	1.00	-4.0	±20	PASS
TX-ANL	FM	CH _H	30.1	1.02	1.00	2.0	±20	PASS

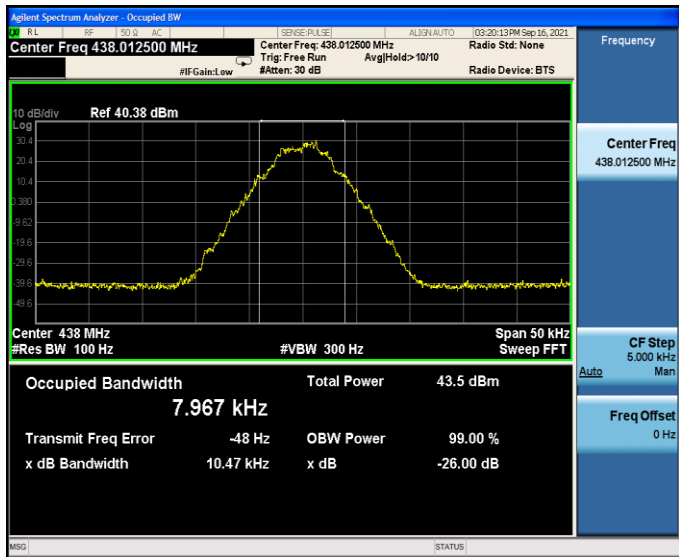
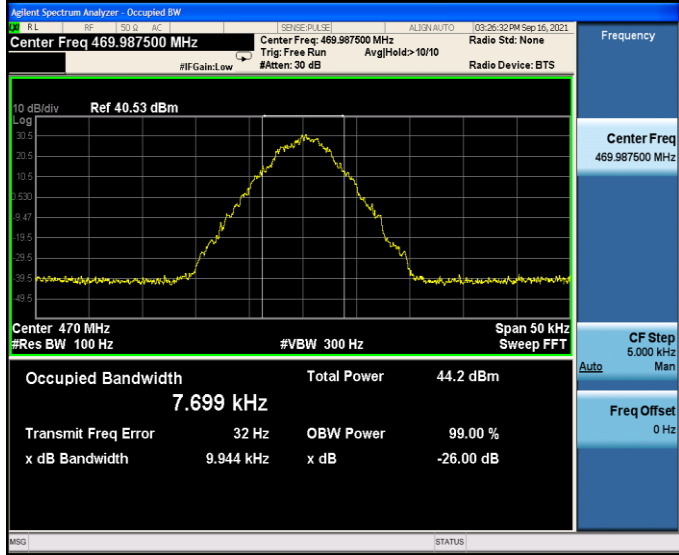
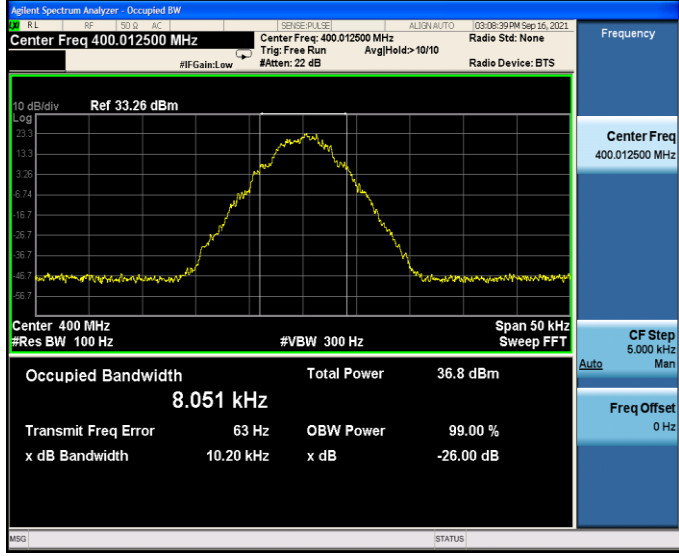
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.688	10.14	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.659	9.71	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	8.012	9.89	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.967	10.47	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.699	9.94	≤11.25	PASS
TX-DNL	4FSK	CH _L	8.051	10.20	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.406	9.97	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	8.024	10.09	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.652	9.61	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.847	9.97	≤11.25	PASS
TX-ANH	FM	CH _L	9.977	10.17	≤11.25	PASS
TX-ANH	FM	CH _{M1}	9.976	10.17	≤11.25	PASS
TX-ANH	FM	CH _{M2}	9.977	10.17	≤11.25	PASS
TX-ANH	FM	CH _{M3}	9.976	10.17	≤11.25	PASS
TX-ANH	FM	CH _H	9.975	10.17	≤11.25	PASS
TX-ANL	FM	CH _L	9.976	10.17	≤11.25	PASS
TX-ANL	FM	CH _{M1}	9.975	10.16	≤11.25	PASS
TX-ANL	FM	CH _{M2}	9.977	10.16	≤11.25	PASS
TX-ANL	FM	CH _{M3}	9.977	10.16	≤11.25	PASS
TX-ANL	FM	CH _H	9.976	10.17	≤11.25	PASS

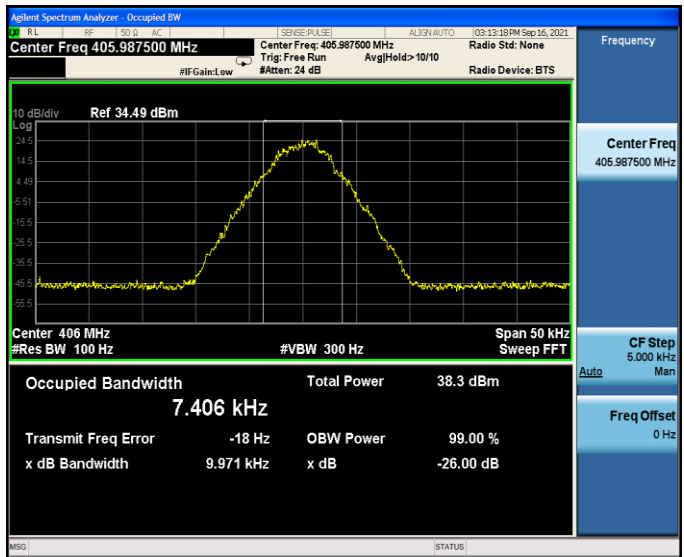
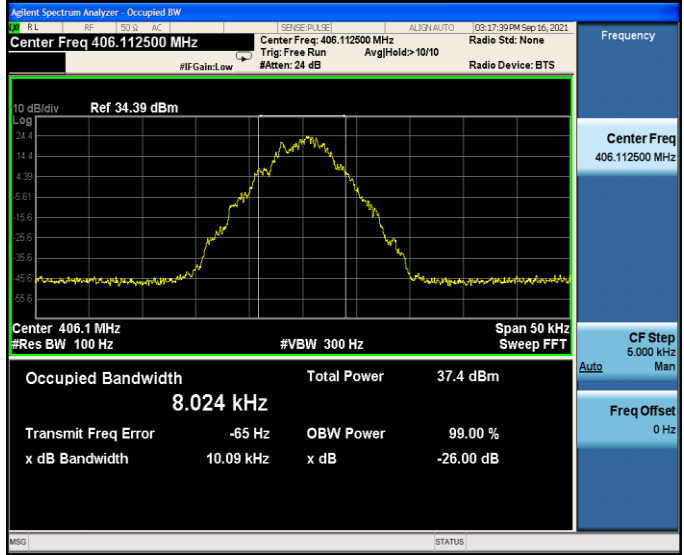
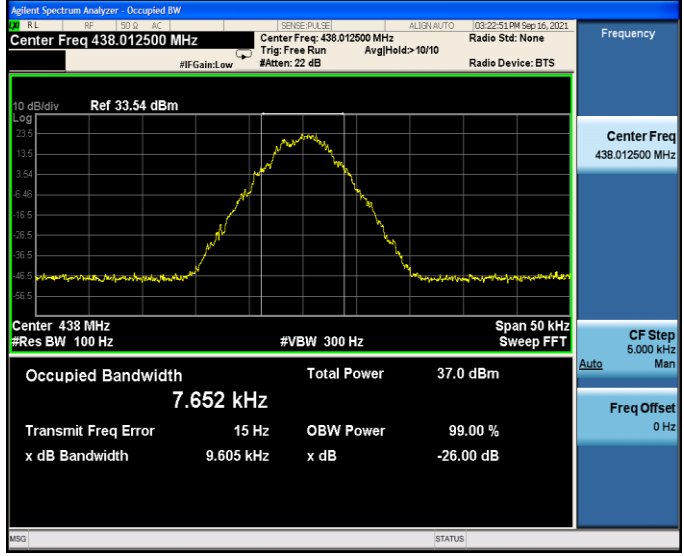
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 40.61 dBm Occupied Bandwidth 7.688 kHz Total Power 43.7 dBm Transmit Freq Error 4 Hz OBW Power 99.00 % x dB Bandwidth 10.14 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _{M1}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 40.63 dBm Occupied Bandwidth 7.659 kHz Total Power 43.7 dBm Transmit Freq Error 78 Hz OBW Power 99.00 % x dB Bandwidth 9.714 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _{M2}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 40.53 dBm Occupied Bandwidth 8.012 kHz Total Power 43.5 dBm Transmit Freq Error 34 Hz OBW Power 99.00 % x dB Bandwidth 9.893 kHz x dB -26.00 dB

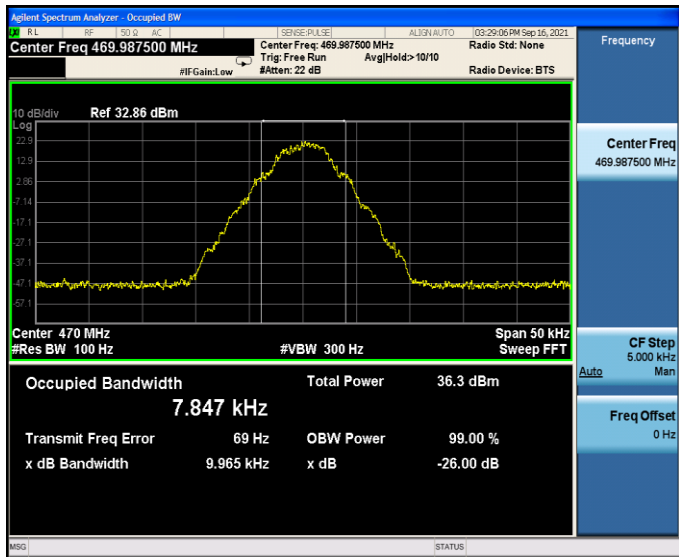
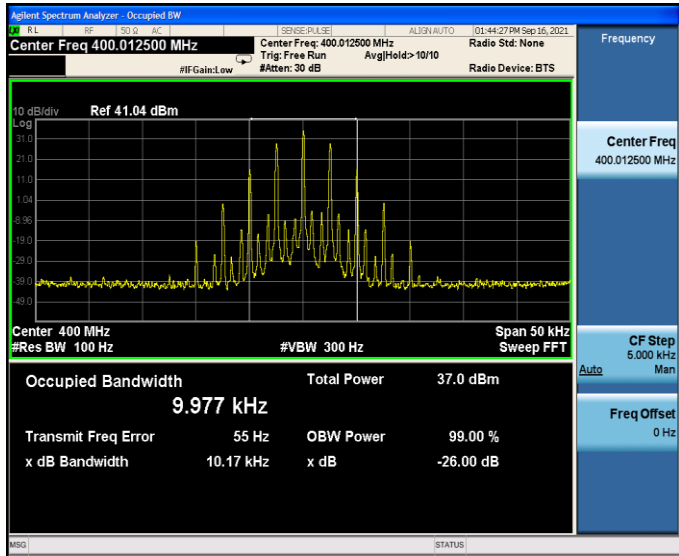
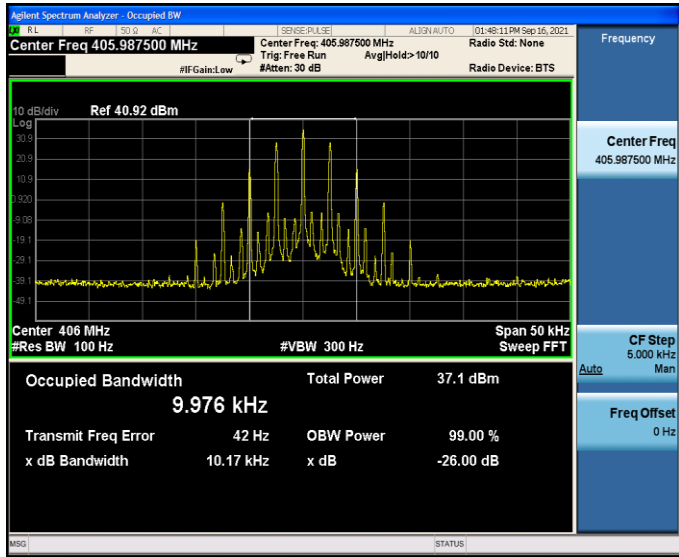
Appendix B:Occupied Bandwidth

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 40.38 dBm Occupied Bandwidth 7.967 kHz Total Power 43.5 dBm Transmit Freq Error -48 Hz OBW Power 99.00 % x dB Bandwidth 10.47 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Ref 40.53 dBm Occupied Bandwidth 7.699 kHz Total Power 44.2 dBm Transmit Freq Error 32 Hz OBW Power 99.00 % x dB Bandwidth 9.944 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 33.26 dBm Occupied Bandwidth 8.051 kHz Total Power 36.8 dBm Transmit Freq Error 63 Hz OBW Power 99.00 % x dB Bandwidth 10.20 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 Ref 34.49 dBm Occupied Bandwidth 7.406 kHz Total Power 38.3 dBm Transmit Freq Error -18 Hz OBW Power 99.00 % x dB Bandwidth 9.971 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _{M2}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 34.39 dBm Occupied Bandwidth 8.024 kHz Total Power 37.4 dBm Transmit Freq Error -65 Hz OBW Power 99.00 % x dB Bandwidth 10.09 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 33.54 dBm Occupied Bandwidth 7.652 kHz Total Power 37.0 dBm Transmit Freq Error 15 Hz OBW Power 99.00 % x dB Bandwidth 9.605 kHz x dB -26.00 dB

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 Ref 32.86 dBm Occupied Bandwidth 7.847 kHz Total Power 36.3 dBm Transmit Freq Error 69 Hz OBW Power 99.00 % x dB Bandwidth 9.965 kHz x dB -26.00 dB
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 41.04 dBm Occupied Bandwidth 9.977 kHz Total Power 37.0 dBm Transmit Freq Error 55 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB
TX-ANH	FM	CH _{M1}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 40.92 dBm Occupied Bandwidth 9.976 kHz Total Power 37.1 dBm Transmit Freq Error 42 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB

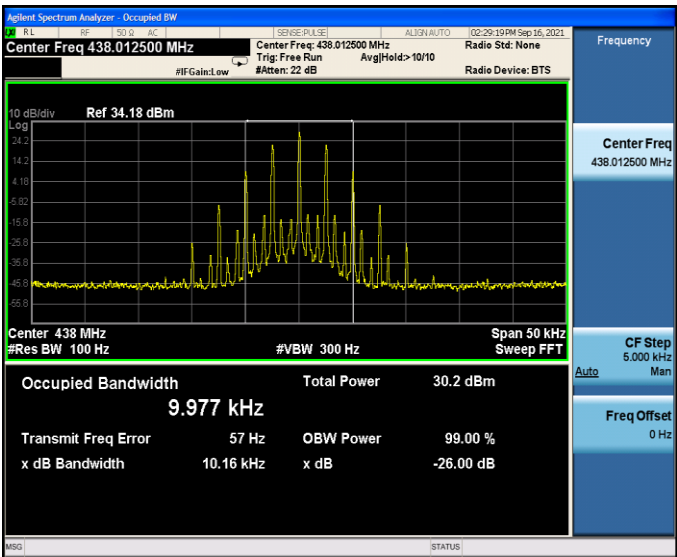
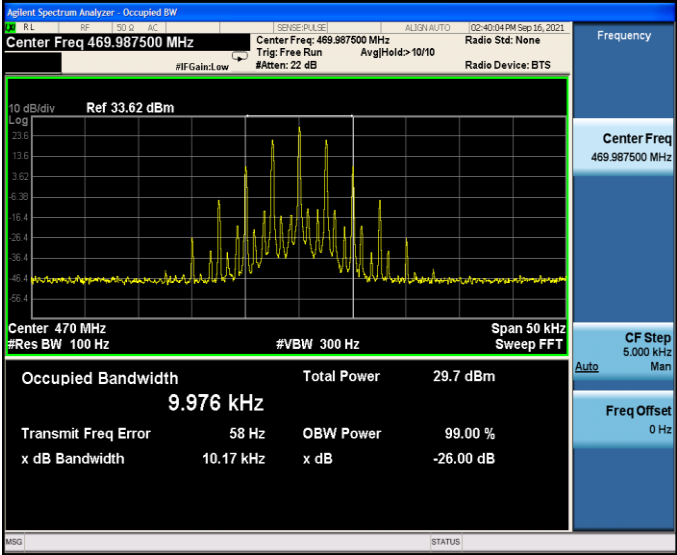
Appendix B:Occupied Bandwidth

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 40.70 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.975 kHz Total Power 37.0 dBm Transmit Freq Error 44 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB
TX-ANH	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 Ref 40.58 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.976 kHz Total Power 36.8 dBm Transmit Freq Error 43 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB
TX-ANH	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 Ref 40.85 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.975 kHz Total Power 37.2 dBm Transmit Freq Error 41 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 33.63 dBm Occupied Bandwidth 9.976 kHz Total Power 29.8 dBm Transmit Freq Error 56 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 35.05 dBm Occupied Bandwidth 9.975 kHz Total Power 31.2 dBm Transmit Freq Error 66 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 34.74 dBm Occupied Bandwidth 9.977 kHz Total Power 30.7 dBm Transmit Freq Error 55 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB

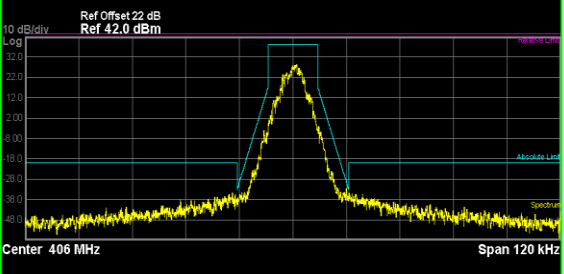
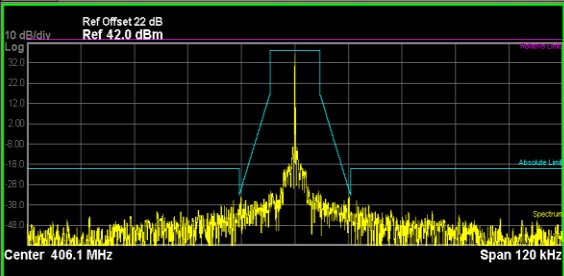
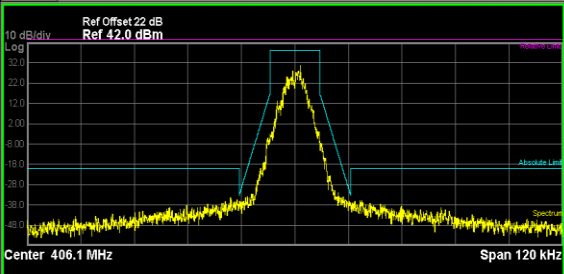
Appendix B:Occupied Bandwidth

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 Ref 34.18 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.977 kHz Total Power 30.2 dBm Transmit Freq Error 57 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
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 Ref 33.62 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.976 kHz Total Power 29.7 dBm Transmit Freq Error 58 Hz OBW Power 99.00 % x dB Bandwidth 10.17 kHz x dB -26.00 dB

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 03-07-04 PM Sep 16, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 8.00 16.0 24.0 32.0 40.0 Center 400 MHz Span 120 kHz Total Power Ref 37.23 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>36.63</td><td>(-1.56)</td><td>0.0</td><td>36.64</td><td>(-1.55)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.56</td><td>(-8.41)</td><td>-11.80 k</td><td>-36.64</td><td>(-8.12)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.31</td><td>(-16.31)</td><td>-13.85 k</td><td>-36.83</td><td>(-15.83)</td><td>13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS 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)	0.0 Hz	5.625 kHz	100.0 Hz	36.63	(-1.56)	0.0	36.64	(-1.55)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-36.56	(-8.41)	-11.80 k	-36.64	(-8.12)	11.85 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.31	(-16.31)	-13.85 k	-36.83	(-15.83)	13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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 _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 03-07-36 PM Sep 16, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 8.00 16.0 24.0 32.0 40.0 Center 400 MHz Span 120 kHz Total Power Ref 40.86 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>26.07</td><td>(-12.12)</td><td>-50.00</td><td>29.73</td><td>(-8.46)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.99</td><td>(-5.47)</td><td>-12.40 k</td><td>-33.78</td><td>(-1.62)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.77</td><td>(-13.77)</td><td>-14.05 k</td><td>-33.96</td><td>(-13.96)</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> MSO File <Temp.png> saved STATUS 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)	0.0 Hz	5.625 kHz	100.0 Hz	26.07	(-12.12)	-50.00	29.73	(-8.46)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.99	(-5.47)	-12.40 k	-33.78	(-1.62)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.77	(-13.77)	-14.05 k	-33.96	(-13.96)	12.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150.0 AC SENSE: PULSE ALIGN: AUTO 03-11-47 PM Sep 16, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 8.00 16.0 24.0 32.0 40.0 Center 406 MHz Span 120 kHz Total Power Ref 37.18 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>36.58</td><td>(-1.59)</td><td>0.0</td><td>36.58</td><td>(-1.59)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.41</td><td>(-5.51)</td><td>-12.45 k</td><td>-38.45</td><td>(-5.19)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.51</td><td>(-15.51)</td><td>-15.15 k</td><td>-35.56</td><td>(-15.56)</td><td>15.20 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.58	(-1.59)	0.0	36.58	(-1.59)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-38.41	(-5.51)	-12.45 k	-38.45	(-5.19)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.51	(-15.51)	-15.15 k	-35.56	(-15.56)	15.20 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 41.02 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>28.07</td><td>(-10.10)</td><td>0.0</td><td>28.12</td><td>(-10.05)</td><td>850.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.49</td><td>(-4.22)</td><td>-12.50 k</td><td>-32.63</td><td>(-2.63)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.63</td><td>(-14.63)</td><td>-13.50 k</td><td>-34.93</td><td>(-14.93)</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 <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	28.07	(-10.10)	0.0	28.12	(-10.05)	850.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.49	(-4.22)	-12.50 k	-32.63	(-2.63)	12.05 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.63	(-14.63)	-13.50 k	-34.93	(-14.93)	12.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 406.1 MHz Span 120 kHz Total Power Ref 37.07 dBm @ 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>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>36.45</td><td>(-1.63)</td><td>0.0</td><td>36.46</td><td>(-1.61)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.20</td><td>(-3.75)</td><td>-12.10 k</td><td>-34.18</td><td>(-3.36)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.72</td><td>(-15.72)</td><td>-13.80 k</td><td>-35.77</td><td>(-15.77)</td><td>13.85 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.45	(-1.63)	0.0	36.46	(-1.61)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-34.20	(-3.75)	-12.10 k	-34.18	(-3.36)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.72	(-15.72)	-13.80 k	-35.77	(-15.77)	13.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 406.1 MHz Span 120 kHz Total Power Ref 40.67 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>27.84</td><td>(-10.23)</td><td>-450.0</td><td>30.58</td><td>(-7.49)</td><td>1.250 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.29</td><td>(-4.02)</td><td>-12.35 k</td><td>-36.97</td><td>(-3.97)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.44</td><td>(-14.44)</td><td>-14.40 k</td><td>-35.67</td><td>(-15.67)</td><td>14.60 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 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.84	(-10.23)	-450.0	30.58	(-7.49)	1.250 k	5.625 kHz	12.50 kHz	100.0 Hz	-36.29	(-4.02)	-12.35 k	-36.97	(-3.97)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.44	(-14.44)	-14.40 k	-35.67	(-15.67)	14.60 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																																										
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:21:07 PM Sep 16, 2021 Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm Log 10 32.0 22.0 12.0 2.00 18.0 8.00 38.0 48.0 Mask Spectrum Center 438 MHz Span 120 kHz Total Power Ref 37.66 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</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>37.04</td><td>(-0.83)</td><td>0.0</td><td>37.05</td><td>(-0.82)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.17</td><td>(-3.97)</td><td>-12.45 k</td><td>-37.32</td><td>(-3.75)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.40</td><td>(-17.40)</td><td>-21.65 k</td><td>-37.11</td><td>(-17.11)</td><td>21.70 k</td><td></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><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><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><td></td></tr></tbody></table> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-DNH</td><td>4FSK</td><td>CH_{M3}</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:21:37 PM Sep 16, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm Log 10 32.0 22.0 12.0 2.00 18.0 8.00 38.0 48.0 Mask Spectrum Center 438 MHz Span 120 kHz Total Power Ref 41.89 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</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>28.22</td><td>(-9.65)</td><td>-500.0</td><td>29.67</td><td>(-8.20)</td><td>1.250 k</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.00</td><td>(-3.25)</td><td>-12.25 k</td><td>-35.11</td><td>(-1.90)</td><td>12.45 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.79</td><td>(-14.79)</td><td>-13.95 k</td><td>-33.89</td><td>(-13.89)</td><td>13.35 k</td><td></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><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><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><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 <tr><td>TX-DNH</td><td>4FSK</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:27:03 PM Sep 16, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm Log 10 32.0 22.0 12.0 2.00 18.0 8.00 38.0 48.0 Mask Spectrum Center 470 MHz Span 120 kHz Total Power Ref 37.92 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</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>37.31</td><td>(-0.74)</td><td>0.0</td><td>37.33</td><td>(-0.72)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.17</td><td>(-6.78)</td><td>-12.50 k</td><td>-40.43</td><td>(-7.04)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.44</td><td>(-14.44)</td><td>-15.65 k</td><td>-34.28</td><td>(-14.28)</td><td>12.50 k</td><td></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><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><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><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 </td></tr></td></tr>	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	37.04	(-0.83)	0.0	37.05	(-0.82)	50.00		5.625 kHz	12.50 kHz	100.0 Hz	-37.17	(-3.97)	-12.45 k	-37.32	(-3.75)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-37.40	(-17.40)	-21.65 k	-37.11	(-17.11)	21.70 k		4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—		8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—		12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—		TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - 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5.625 kHz	12.50 kHz	100.0 Hz	-35.00	(-3.25)	-12.25 k	-35.11	(-1.90)	12.45 k																																																																																																																																																																																																																					
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:27:03 PM Sep 16, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm Log 10 32.0 22.0 12.0 2.00 18.0 8.00 38.0 48.0 Mask Spectrum Center 470 MHz Span 120 kHz Total Power Ref 37.92 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</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>37.31</td><td>(-0.74)</td><td>0.0</td><td>37.33</td><td>(-0.72)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.17</td><td>(-6.78)</td><td>-12.50 k</td><td>-40.43</td><td>(-7.04)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.44</td><td>(-14.44)</td><td>-15.65 k</td><td>-34.28</td><td>(-14.28)</td><td>12.50 k</td><td></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><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><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><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)	Peak	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.31	(-0.74)	0.0	37.33	(-0.72)	50.00		5.625 kHz	12.50 kHz	100.0 Hz	-40.17	(-6.78)	-12.50 k	-40.43	(-7.04)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-34.44	(-14.44)	-15.65 k	-34.28	(-14.28)	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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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 SD AC SENSE PULSE ALIGN AUTO 03-27-41 PM Sep 16, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm 10 dB/div Log 22.0 20.0 18.0 16.0 14.0 12.0 10.0 8.0 6.0 4.0 2.0 0.0 -2.0 -4.0 -6.0 -8.0 -10.0 -12.0 -14.0 -16.0 -18.0 -20.0 -22.0 -24.0 -26.0 -28.0 -30.0 -32.0 -34.0 -36.0 -38.0 -40.0 Center 470 MHz Span 120 kHz Total Power Ref 41.83 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>26.38</td><td>(-11.66)</td><td>-600.0</td><td>30.44</td><td>(-7.61)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.17</td><td>(-2.78)</td><td>-12.50 k</td><td>-32.01</td><td>(-1.16)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.66</td><td>(-14.66)</td><td>-13.85 k</td><td>-34.01</td><td>(-14.01)</td><td>13.65 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> 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	26.38	(-11.66)	-600.0	30.44	(-7.61)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.17	(-2.78)	-12.50 k	-32.01	(-1.16)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.66	(-14.66)	-13.85 k	-34.01	(-14.01)	13.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF SD AC SENSE PULSE ALIGN AUTO 03-09-20 PM Sep 16, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 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 35.0 dBm 10 dB/div Log 25.0 20.0 15.0 10.0 5.0 0.0 -5.0 -10.0 -15.0 -20.0 -25.0 -30.0 -35.0 -40.0 -45.0 -50.0 -55.0 -60.0 Center 400 MHz Span 120 kHz Total Power Ref 29.31 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>29.00</td><td>(-1.83)</td><td>0.0</td><td>29.31</td><td>(-1.52)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.44</td><td>(-3.20)</td><td>-12.45 k</td><td>-44.00</td><td>(-3.40)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.03</td><td>(-24.03)</td><td>-13.85 k</td><td>-43.54</td><td>(-23.54)</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> 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	29.00	(-1.83)	0.0	29.31	(-1.52)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-43.44	(-3.20)	-12.45 k	-44.00	(-3.40)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.03	(-24.03)	-13.85 k	-43.54	(-23.54)	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	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF SD AC SENSE PULSE ALIGN AUTO 03-09-56 PM Sep 16, 2021 Center Freq 400.012500 MHz Center Freq: 400.012500 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 35.0 dBm 10 dB/div Log 25.0 20.0 15.0 10.0 5.0 0.0 -5.0 -10.0 -15.0 -20.0 -25.0 -30.0 -35.0 -40.0 -45.0 -50.0 -55.0 -60.0 Center 400 MHz Span 120 kHz Total Power Ref 33.97 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>20.81</td><td>(-10.03)</td><td>-150.0</td><td>21.04</td><td>(-9.79)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.08</td><td>(-2.84)</td><td>-12.45 k</td><td>-40.05</td><td>(-0.90)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.45</td><td>(-21.45)</td><td>-12.95 k</td><td>-41.29</td><td>(-21.29)</td><td>13.25 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> Frequency Center Freq 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	20.81	(-10.03)	-150.0	21.04	(-9.79)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.08	(-2.84)	-12.45 k	-40.05	(-0.90)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.45	(-21.45)	-12.95 k	-41.29	(-21.29)	13.25 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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TX-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 03:14:06 PM Sep 16, 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 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 -14.0 -24.0 -34.0 -44.0 -54.0 Mask Spectrum Center 406 MHz Span 120 kHz Total Power Ref 30.53 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 ></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>30.23</td><td>(-1.83)</td><td>0.0</td><td>30.51</td><td>(-1.55)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.33</td><td>(-5.13)</td><td>-12.20 k</td><td>-42.66</td><td>(-4.74)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.13</td><td>(-22.13)</td><td>-12.65 k</td><td>-42.40</td><td>(-22.40)</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> MSO 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-DNL</td><td>4FSK</td><td>CH_{M1}</td><td> Agilent Spectrum Analyzer - 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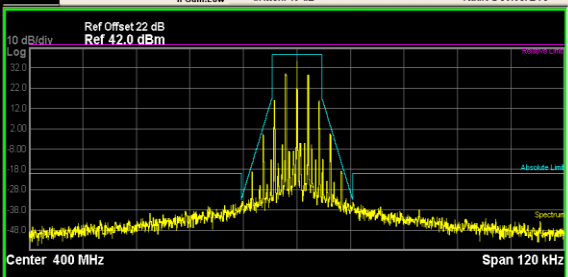
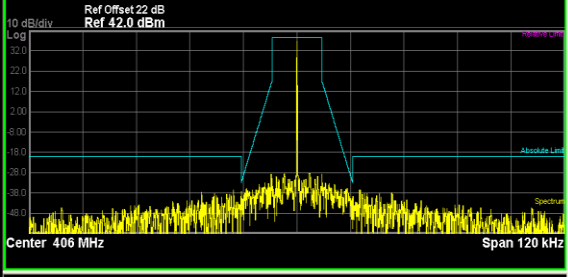
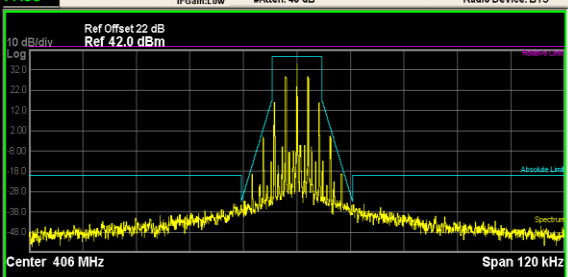
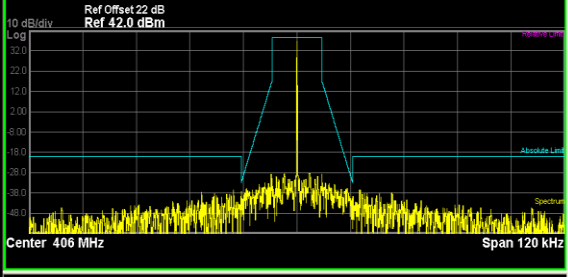
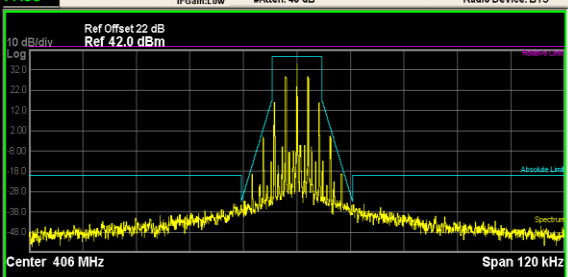
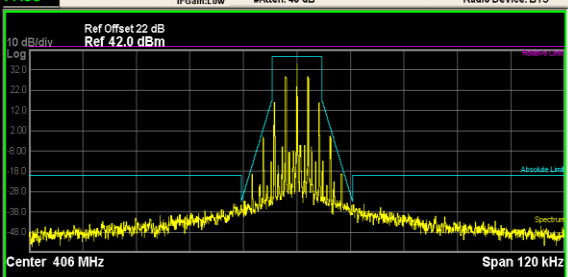
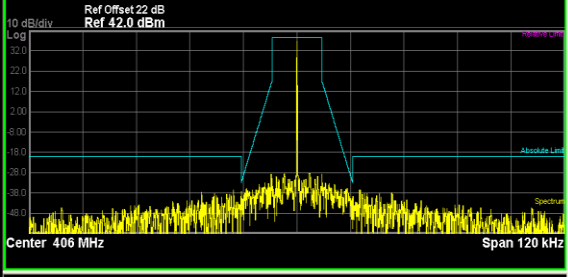
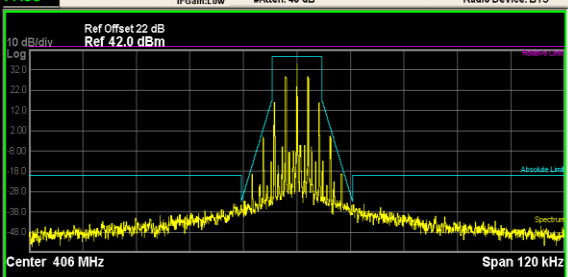
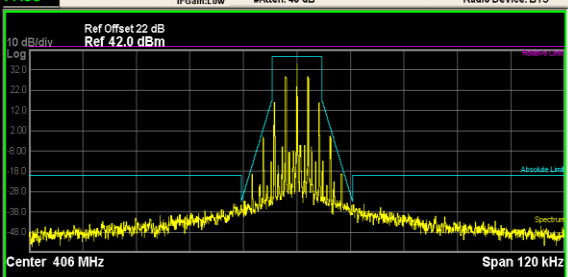
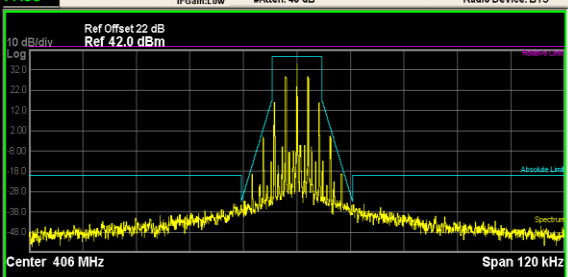
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:19:08 PM Sep 16, 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 36.0 dBm 10 dB/div Log 25.0 16.0 6.00 14.0 24.0 54.0 Center 406.1 MHz Span 120 kHz Total Power Ref 34.83 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>19.21</td><td>(-12.70)</td><td>-1.400 k</td><td>24.45</td><td>(-7.46)</td><td>350.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.38</td><td>(-3.22)</td><td>-12.45 k</td><td>-42.90</td><td>(-4.10)</td><td>12.40 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.87</td><td>(-21.87)</td><td>-20.55 k</td><td>-40.22</td><td>(-20.22)</td><td>13.95 k</td><td></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><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><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><td></td></tr></tbody></table> MSO File <Temp.png> saved STATUS Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.21	(-12.70)	-1.400 k	24.45	(-7.46)	350.0		5.625 kHz	12.50 kHz	100.0 Hz	-42.38	(-3.22)	-12.45 k	-42.90	(-4.10)	12.40 k		12.50 kHz	60.00 kHz	100.0 Hz	-41.87	(-21.87)	-20.55 k	-40.22	(-20.22)	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	—	(—)	—	—	(—)	—	
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TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:23:39 PM Sep 16, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 6.00 15.0 25.0 55.0 Center 438 MHz Span 120 kHz Total Power Ref 30.24 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>29.90</td><td>(-1.33)</td><td>0.0</td><td>30.23</td><td>(-1.00)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.65</td><td>(-7.44)</td><td>-12.50 k</td><td>-47.71</td><td>(-8.23)</td><td>12.40 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.59</td><td>(-22.59)</td><td>-13.35 k</td><td>-43.22</td><td>(-23.22)</td><td>13.45 k</td><td></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><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><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><td></td></tr></tbody></table> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.90	(-1.33)	0.0	30.23	(-1.00)	50.00		5.625 kHz	12.50 kHz	100.0 Hz	-47.65	(-7.44)	-12.50 k	-47.71	(-8.23)	12.40 k		12.50 kHz	60.00 kHz	100.0 Hz	-42.59	(-22.59)	-13.35 k	-43.22	(-23.22)	13.45 k		4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—		8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—		12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	
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5.625 kHz	12.50 kHz	100.0 Hz	-47.65	(-7.44)	-12.50 k	-47.71	(-8.23)	12.40 k																																																																	
12.50 kHz	60.00 kHz	100.0 Hz	-42.59	(-22.59)	-13.35 k	-43.22	(-23.22)	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	—	(—)	—	—	(—)	—																																																																	
TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 03:24:02 PM Sep 16, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 35.0 dBm 10 dB/div Log 25.0 15.0 6.00 15.0 25.0 55.0 Center 438 MHz Span 120 kHz Total Power Ref 34.83 dBm @ 0.125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>21.53</td><td>(-9.69)</td><td>-50.00</td><td>22.79</td><td>(-8.43)</td><td>950.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.10</td><td>(-0.61)</td><td>-12.40 k</td><td>-41.75</td><td>(-1.90)</td><td>12.45 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.36</td><td>(-21.36)</td><td>-12.55 k</td><td>-41.25</td><td>(-21.25)</td><td>12.70 k</td><td></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><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><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><td></td></tr></tbody></table> MSO File <Temp.png> saved STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.53	(-9.69)	-50.00	22.79	(-8.43)	950.0		5.625 kHz	12.50 kHz	100.0 Hz	-40.10	(-0.61)	-12.40 k	-41.75	(-1.90)	12.45 k		12.50 kHz	60.00 kHz	100.0 Hz	-41.36	(-21.36)	-12.55 k	-41.25	(-21.25)	12.70 k		4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—		8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—		12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	dBm	Upper ΔLim(dB)	Freq (Hz)																																																																
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																	
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																	
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																	

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 03:29:40 PM Sep 16, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 34.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 29.76 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>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>29.42</td><td>(-0.96)</td><td>0.0</td><td>29.76</td><td>(-0.63)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.56</td><td>(-7.87)</td><td>-11.35 k</td><td>-40.53</td><td>(-7.47)</td><td>11.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.70</td><td>(-23.70)</td><td>-15.70 k</td><td>-43.44</td><td>(-23.44)</td><td>16.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> MSO File <MASK D.state> recalled (STATUS) Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-DNL</td><td>4FSK</td><td>CH_H</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 03:30:12 PM Sep 16, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 34.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 34.63 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>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>22.09</td><td>(-8.29)</td><td>0.0</td><td>22.09</td><td>(-8.29)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.87</td><td>(-0.82)</td><td>-12.50 k</td><td>-40.95</td><td>(-0.99)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.34</td><td>(-22.34)</td><td>-18.80 k</td><td>-39.70</td><td>(-19.70)</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></table> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:05 PM Sep 16, 2021 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 42.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 37.50 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>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>36.65</td><td>(-1.72)</td><td>0.0</td><td>36.90</td><td>(-1.47)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.85</td><td>(-6.24)</td><td>-11.75 k</td><td>-34.23</td><td>(-5.89)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.53</td><td>(-17.53)</td><td>-20.05 k</td><td>-37.14</td><td>(-17.14)</td><td>15.15 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) Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto 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	29.42	(-0.96)	0.0	29.76	(-0.63)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.56	(-7.87)	-11.35 k	-40.53	(-7.47)	11.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.70	(-23.70)	-15.70 k	-43.44	(-23.44)	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	—	(—)	—	—	(—)	—	TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 03:30:12 PM Sep 16, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 34.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 34.63 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>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>22.09</td><td>(-8.29)</td><td>0.0</td><td>22.09</td><td>(-8.29)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.87</td><td>(-0.82)</td><td>-12.50 k</td><td>-40.95</td><td>(-0.99)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.34</td><td>(-22.34)</td><td>-18.80 k</td><td>-39.70</td><td>(-19.70)</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></table> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:05 PM Sep 16, 2021 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 42.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 37.50 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>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>36.65</td><td>(-1.72)</td><td>0.0</td><td>36.90</td><td>(-1.47)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.85</td><td>(-6.24)</td><td>-11.75 k</td><td>-34.23</td><td>(-5.89)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.53</td><td>(-17.53)</td><td>-20.05 k</td><td>-37.14</td><td>(-17.14)</td><td>15.15 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) Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz </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	22.09	(-8.29)	0.0	22.09	(-8.29)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.87	(-0.82)	-12.50 k	-40.95	(-0.99)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.34	(-22.34)	-18.80 k	-39.70	(-19.70)	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	—	(—)	—	—	(—)	—	TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:05 PM Sep 16, 2021 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 42.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 37.50 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>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>36.65</td><td>(-1.72)</td><td>0.0</td><td>36.90</td><td>(-1.47)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.85</td><td>(-6.24)</td><td>-11.75 k</td><td>-34.23</td><td>(-5.89)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.53</td><td>(-17.53)</td><td>-20.05 k</td><td>-37.14</td><td>(-17.14)</td><td>15.15 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) 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.65	(-1.72)	0.0	36.90	(-1.47)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-33.85	(-6.24)	-11.75 k	-34.23	(-5.89)	11.85 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.53	(-17.53)	-20.05 k	-37.14	(-17.14)	15.15 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 _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 03:30:12 PM Sep 16, 2021 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS Ref Offset 23 dB Ref 34.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 34.63 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>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>22.09</td><td>(-8.29)</td><td>0.0</td><td>22.09</td><td>(-8.29)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.87</td><td>(-0.82)</td><td>-12.50 k</td><td>-40.95</td><td>(-0.99)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.34</td><td>(-22.34)</td><td>-18.80 k</td><td>-39.70</td><td>(-19.70)</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></table> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:05 PM Sep 16, 2021 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 42.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 37.50 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>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>36.65</td><td>(-1.72)</td><td>0.0</td><td>36.90</td><td>(-1.47)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.85</td><td>(-6.24)</td><td>-11.75 k</td><td>-34.23</td><td>(-5.89)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.53</td><td>(-17.53)</td><td>-20.05 k</td><td>-37.14</td><td>(-17.14)</td><td>15.15 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) Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz </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	22.09	(-8.29)	0.0	22.09	(-8.29)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.87	(-0.82)	-12.50 k	-40.95	(-0.99)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.34	(-22.34)	-18.80 k	-39.70	(-19.70)	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	—	(—)	—	—	(—)	—	TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:05 PM Sep 16, 2021 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 42.0 dBm Center 400 MHz Span 120 kHz Total Power Ref 37.50 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>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>36.65</td><td>(-1.72)</td><td>0.0</td><td>36.90</td><td>(-1.47)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.85</td><td>(-6.24)</td><td>-11.75 k</td><td>-34.23</td><td>(-5.89)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.53</td><td>(-17.53)</td><td>-20.05 k</td><td>-37.14</td><td>(-17.14)</td><td>15.15 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) 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.65	(-1.72)	0.0	36.90	(-1.47)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-33.85	(-6.24)	-11.75 k	-34.23	(-5.89)	11.85 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.53	(-17.53)	-20.05 k	-37.14	(-17.14)	15.15 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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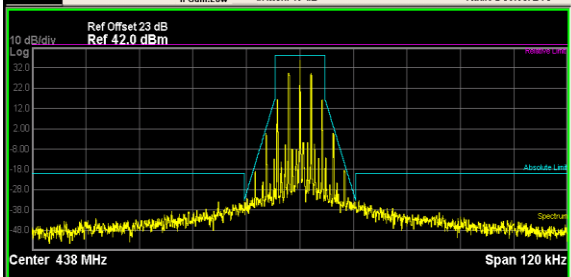
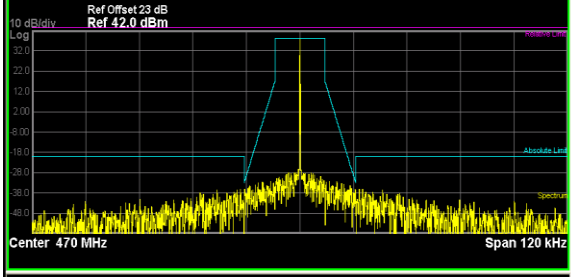
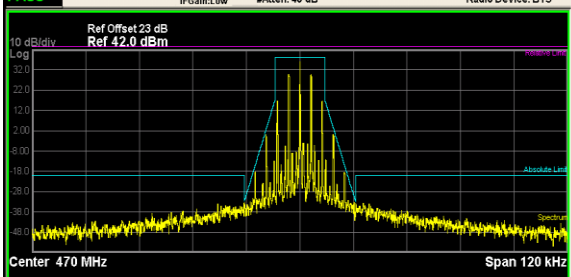
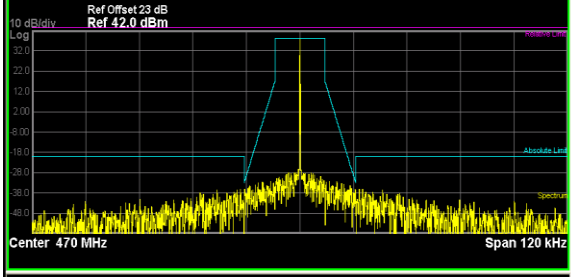
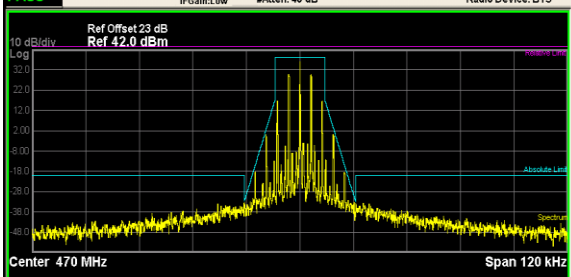
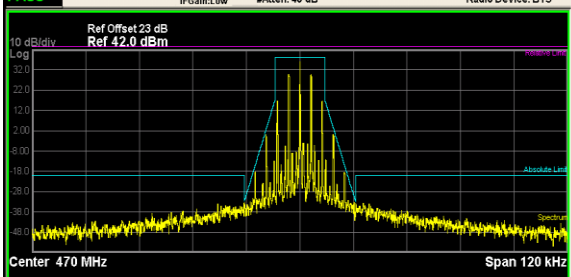
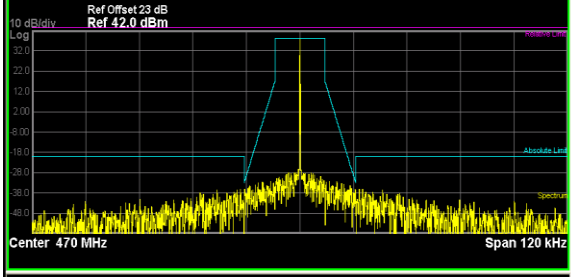
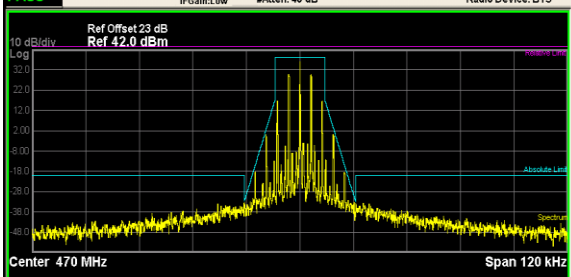
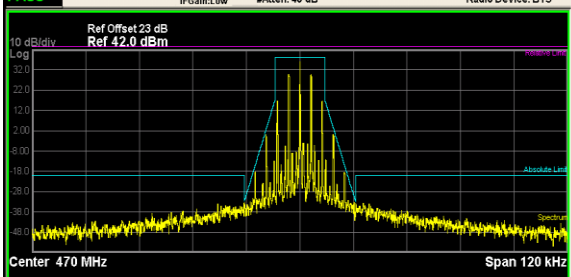
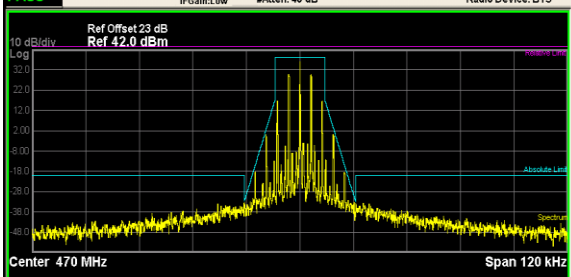
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																																										
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:26 PM Sep 16, 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 42.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 36.86 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 ></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>34.61</td><td>(-3.76)</td><td>0.0</td><td>35.17</td><td>(-3.20)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.67</td><td>(-1.96)</td><td>-12.45 k</td><td>-32.81</td><td>(-1.26)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.07</td><td>(-15.07)</td><td>-13.70 k</td><td>-34.06</td><td>(-14.06)</td><td>12.55 k</td><td></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><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><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><td></td></tr></tbody></table> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_{M1}</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:45:50 PM Sep 16, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 37.45 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 ></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>36.78</td><td>(-1.57)</td><td>0.0</td><td>36.89</td><td>(-1.46)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.11</td><td>(4.03)</td><td>-12.50 k</td><td>-40.76</td><td>(-8.41)</td><td>12.40 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.46</td><td>(-16.46)</td><td>-14.10 k</td><td>-36.43</td><td>(-16.43)</td><td>14.15 k</td><td></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><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><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><td></td></tr></tbody></table> MSO 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-ANH</td><td>FM</td><td>CH_{M1}</td><td> Agilent Spectrum Analyzer - 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12.50 kHz	60.00 kHz	100.0 Hz	-36.46	(-16.46)	-14.10 k	-36.43	(-16.43)	14.15 k																																																																																																																																																																																																																					
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 _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:49:11 PM Sep 16, 2021 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 36.86 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 ></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>34.81</td><td>(-3.54)</td><td>0.0</td><td>35.12</td><td>(-3.23)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.55</td><td>(-2.19)</td><td>-12.40 k</td><td>-34.35</td><td>(-1.27)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.02</td><td>(-14.02)</td><td>-14.10 k</td><td>-34.11</td><td>(-14.11)</td><td>12.55 k</td><td></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><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><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><td></td></tr></tbody></table> MSO 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	34.81	(-3.54)	0.0	35.12	(-3.23)	50.00		5.625 kHz	12.50 kHz	100.0 Hz	-34.55	(-2.19)	-12.40 k	-34.35	(-1.27)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-34.02	(-14.02)	-14.10 k	-34.11	(-14.11)	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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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 Ref Offset 22 dB Ref 42.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 37.26 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>36.56</td><td>(-1.60)</td><td>0.0</td><td>36.69</td><td>(-1.47)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.94</td><td>(-5.12)</td><td>-12.30 k</td><td>-36.76</td><td>(-4.58)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.33</td><td>(-17.33)</td><td>-13.75 k</td><td>-37.28</td><td>(-17.28)</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></tbody></table> File <MASK.D.state> recalled Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto 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	36.56	(-1.60)	0.0	36.69	(-1.47)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-36.94	(-5.12)	-12.30 k	-36.76	(-4.58)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.33	(-17.33)	-13.75 k	-37.28	(-17.28)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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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 Avg: 100.00% of 10 #Atten: 40 dB Ref Offset 22 dB Ref 42.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 36.67 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>34.61</td><td>(-3.56)</td><td>0.0</td><td>34.94</td><td>(-3.23)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.51</td><td>(-3.60)</td><td>-12.45 k</td><td>-0.930</td><td>(-3.64)</td><td>7.550 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.73</td><td>(-14.73)</td><td>-15.40 k</td><td>-33.11</td><td>(-13.11)</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 <Temp.png> saved Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto 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	34.61	(-3.56)	0.0	34.94	(-3.23)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-36.51	(-3.60)	-12.45 k	-0.930	(-3.64)	7.550 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.73	(-14.73)	-15.40 k	-33.11	(-13.11)	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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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Ref Offset 23 dB Ref 42.0 dBm Center 438 MHz Span 120 kHz Total Power Ref 37.83 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>37.11</td><td>(-0.93)</td><td>0.0</td><td>37.26</td><td>(-0.78)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.82</td><td>(-5.52)</td><td>-12.35 k</td><td>-37.53</td><td>(-4.86)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.80</td><td>(-15.80)</td><td>-13.95 k</td><td>-36.77</td><td>(-16.77)</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> File <MASK.D.state> recalled Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto 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	37.11	(-0.93)	0.0	37.26	(-0.78)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-37.82	(-5.52)	-12.35 k	-37.53	(-4.86)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.80	(-15.80)	-13.95 k	-36.77	(-16.77)	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 _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 02:28:35 PM Sep 16, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 37.26 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>< Peak ></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>35.14</td><td>(-2.91)</td><td>0.0</td><td>35.53</td><td>(-2.51)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.11</td><td>(-0.71)</td><td>-12.50 k</td><td>-32.56</td><td>(-0.50)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.21</td><td>(-14.21)</td><td>-18.20 k</td><td>-32.75</td><td>(-12.75)</td><td>12.55 k</td><td></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><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><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><td></td></tr></tbody></table> MSO File <Temp.png> saved (STATUS) Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_H</td><td> Agilent Spectrum Analyzer - 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Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 02:39:01 PM Sep 16, 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 #Atten: 40 dB Radio Device: BTS Ref Offset 23 dB Ref 42.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 37.70 dBm @ 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>35.65</td><td>(-2.64)</td><td>0.0</td><td>35.96</td><td>(-2.32)</td><td>50.00</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-30.60</td><td>(-0.60)</td><td>-12.50 k</td><td>-34.00</td><td>(-0.85)</td><td>12.50 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.64</td><td>(-13.64)</td><td>-12.50 k</td><td>-31.69</td><td>(-11.69)</td><td>12.60 k</td><td></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><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><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><td></td></tr></tbody></table> MSO 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)	< Peak >	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.65	(-2.64)	0.0	35.96	(-2.32)	50.00		5.625 kHz	12.50 kHz	100.0 Hz	-30.60	(-0.60)	-12.50 k	-34.00	(-0.85)	12.50 k		12.50 kHz	60.00 kHz	100.0 Hz	-33.64	(-13.64)	-12.50 k	-31.69	(-11.69)	12.60 k		4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—		8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—		12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																											
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:46:59 PM Sep 16, 2021 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 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 0.00 -5.00 -15.0 -25.0 -35.0 -45.0 -55.0 Mask Spectrum Center 400 MHz Span 120 kHz Total Power Ref 29.63 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 ></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.86</td><td>(-2.28)</td><td>0.0</td><td>29.64</td><td>(-1.50)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-48.74</td><td>(-8.44)</td><td>-12.50 k</td><td>-46.31</td><td>(-8.55)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.83</td><td>(-24.83)</td><td>-18.60 k</td><td>-45.12</td><td>(-25.12)</td><td>18.70 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> MSO File <MASK D.state> recalled (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_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 01:47:20 PM Sep 16, 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 35.0 dBm 10 dB/div Log 25.0 15.0 5.00 0.00 -5.00 -15.0 -25.0 -35.0 -45.0 -55.0 Mask Spectrum Center 400 MHz Span 120 kHz Total Power Ref 29.69 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 ></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>26.28</td><td>(-4.85)</td><td>0.0</td><td>27.91</td><td>(-3.22)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.25</td><td>(-0.94)</td><td>-12.50 k</td><td>-42.19</td><td>(-1.89)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.97</td><td>(-19.97)</td><td>-12.60 k</td><td>-40.33</td><td>(-20.33)</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> MSO 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 - 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TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 02:22:13 PM Sep 16, 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 36.0 dBm 10 dB/div Log 25.0 15.0 5.00 0.00 -5.00 -15.0 -25.0 -35.0 -45.0 -55.0 Mask Spectrum Center 406 MHz Span 120 kHz Total Power Ref 31.01 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 ></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>29.64</td><td>(-2.86)</td><td>0.0</td><td>31.02</td><td>(-1.48)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.60</td><td>(-9.02)</td><td>-12.45 k</td><td>-45.00</td><td>(-8.96)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.70</td><td>(-20.70)</td><td>-13.20 k</td><td>-40.87</td><td>(-20.87)</td><td>14.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSO 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.64	(-2.86)	0.0	31.02	(-1.48)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-47.60	(-9.02)	-12.45 k	-45.00	(-8.96)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.70	(-20.70)	-13.20 k	-40.87	(-20.87)	14.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																						
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