

**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	37.7	5.91	5.00	18.2	±20	PASS
TX-DNH	4FSK	CH _{M1}	37.5	5.62	5.00	12.5	±20	PASS
TX-DNH	4FSK	CH _{M2}	36.3	4.28	5.00	-14.3	±20	PASS
TX-DNH	4FSK	CH _{M3}	37.6	5.75	5.00	15.1	±20	PASS
TX-DNH	4FSK	CH _H	37.1	5.09	5.00	1.8	±20	PASS
TX-DNL	4FSK	CH _L	31.8	1.53	1.50	1.9	±20	PASS
TX-DNL	4FSK	CH _{M1}	32.3	1.71	1.50	13.7	±20	PASS
TX-DNL	4FSK	CH _{M2}	32.3	1.70	1.50	13.5	±20	PASS
TX-DNL	4FSK	CH _{M3}	32.3	1.70	1.50	13.2	±20	PASS
TX-DNL	4FSK	CH _H	32.1	1.62	1.50	8.3	±20	PASS
TX-ANH	FM	CH _L	37.0	5.00	5.00	0.0	±20	PASS
TX-ANH	FM	CH _{M1}	37.1	5.15	5.00	3.0	±20	PASS
TX-ANH	FM	CH _{M2}	37.1	5.14	5.00	2.9	±20	PASS
TX-ANH	FM	CH _{M3}	37.1	5.18	5.00	3.6	±20	PASS
TX-ANH	FM	CH _H	37.0	5.06	5.00	1.3	±20	PASS
TX-ANL	FM	CH _L	31.7	1.49	1.50	-0.4	±20	PASS
TX-ANL	FM	CH _{M1}	32.2	1.68	1.50	11.8	±20	PASS
TX-ANL	FM	CH _{M2}	32.3	1.68	1.50	12.3	±20	PASS
TX-ANL	FM	CH _{M3}	31.9	1.55	1.50	3.1	±20	PASS
TX-ANL	FM	CH _H	32.5	1.79	1.50	19.7	±20	PASS

**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.680	9.734	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.766	9.568	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.729	9.999	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.748	10.310	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.528	9.823	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.764	9.761	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.691	10.060	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.793	10.060	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.759	9.886	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.617	9.897	≤11.25	PASS
TX-ANH	FM	CH _L	5.288	10.120	≤11.25	PASS
TX-ANH	FM	CH _{M1}	5.288	10.120	≤11.25	PASS
TX-ANH	FM	CH _{M2}	5.287	10.120	≤11.25	PASS
TX-ANH	FM	CH _{M3}	5.221	10.110	≤11.25	PASS
TX-ANH	FM	CH _H	5.186	10.090	≤11.25	PASS
TX-ANL	FM	CH _L	5.263	10.130	≤11.25	PASS
TX-ANL	FM	CH _{M1}	2.288	10.120	≤11.25	PASS
TX-ANL	FM	CH _{M2}	5.283	10.120	≤11.25	PASS
TX-ANL	FM	CH _{M3}	5.204	10.110	≤11.25	PASS
TX-ANL	FM	CH _H	5.181	10.080	≤11.25	PASS

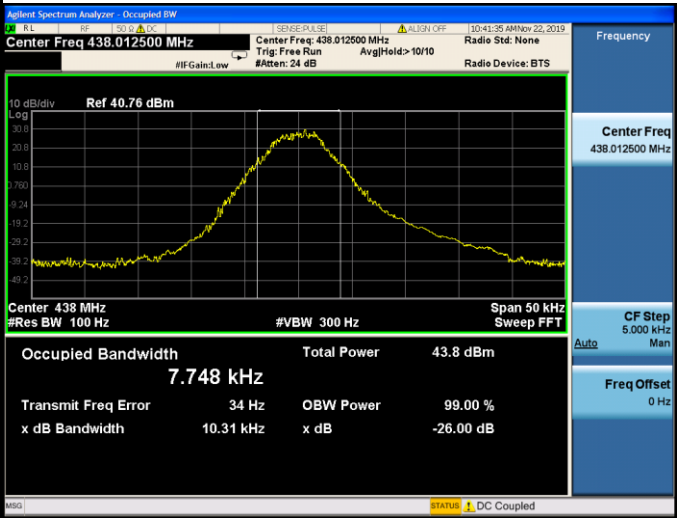
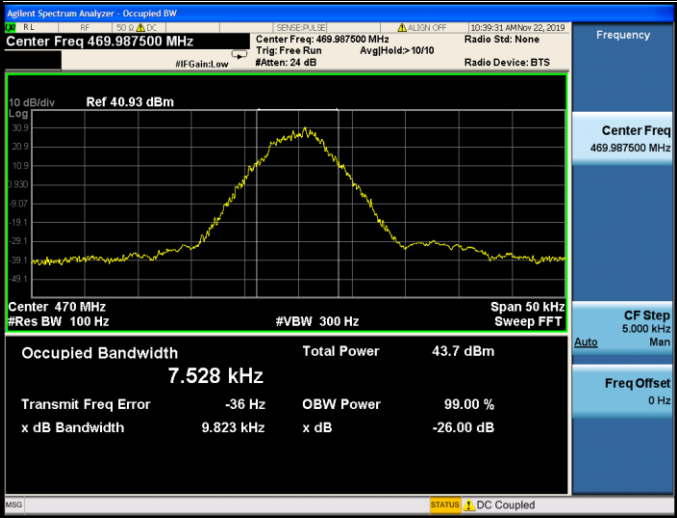
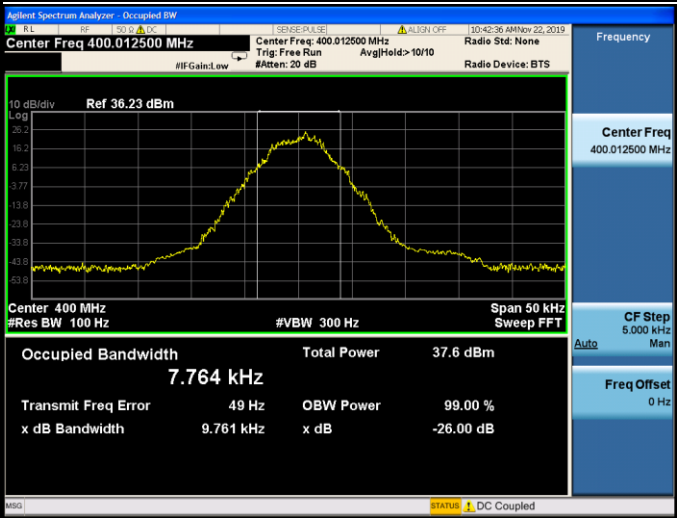


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run #Att: 24 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Sweep FFT Freq Offset 0 Hz Occupied Bandwidth 7.680 kHz Total Power 43.8 dBm Transmit Freq Error 31 Hz OBW Power 99.00 % x dB Bandwidth 9.734 kHz x dB -26.00 dB Status: DC Coupled
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run #Att: 24 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Sweep FFT Freq Offset 0 Hz Occupied Bandwidth 7.769 kHz Total Power 43.9 dBm Transmit Freq Error -20 Hz OBW Power 99.00 % x dB Bandwidth 9.568 kHz x dB -26.00 dB Status: DC Coupled
TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run #Att: 24 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Sweep FFT Freq Offset 0 Hz Occupied Bandwidth 7.729 kHz Total Power 43.9 dBm Transmit Freq Error -65 Hz OBW Power 99.00 % x dB Bandwidth 9.999 kHz x dB -26.00 dB Status: DC Coupled

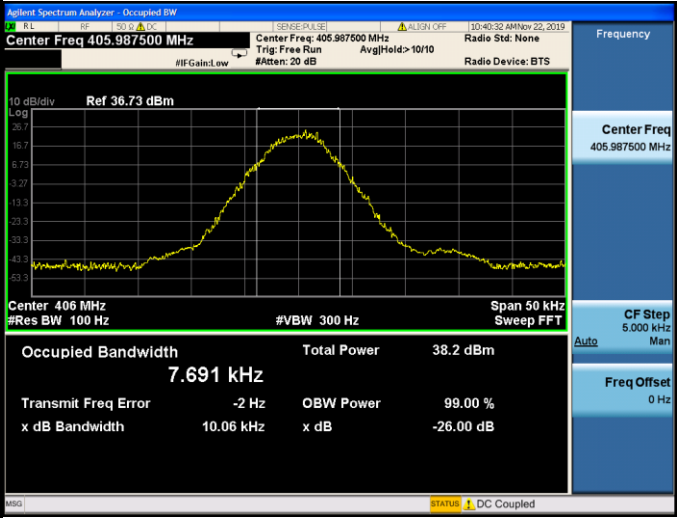
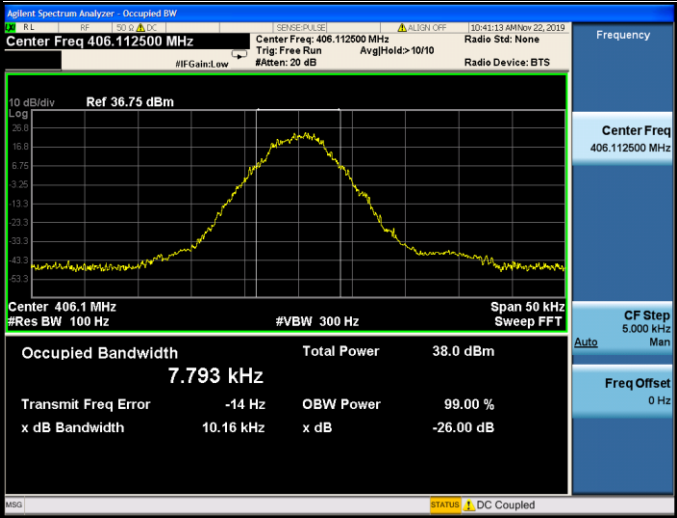
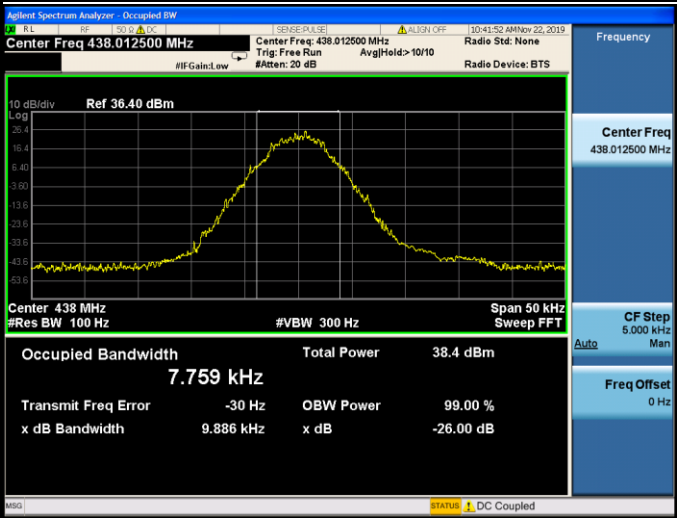


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	
TX-DNH	4FSK	CH _H	
TX-DNL	4FSK	CH _L	

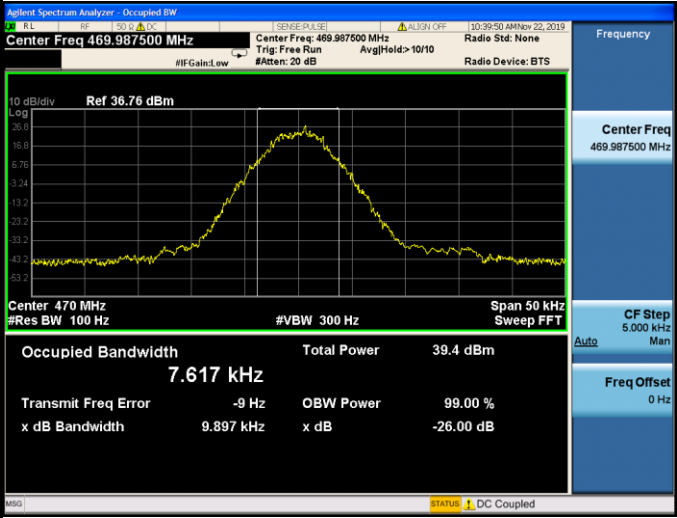
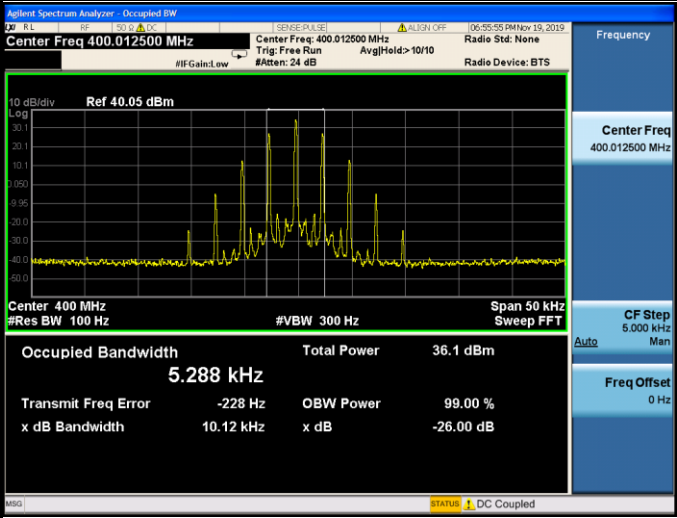
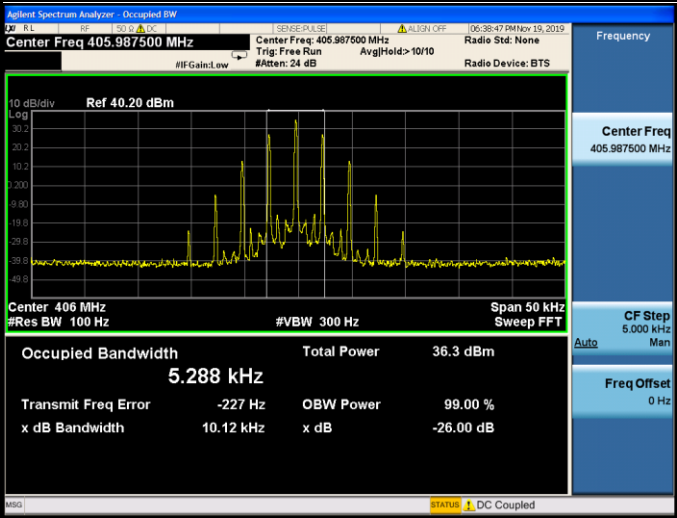


Appendix B:Occupied Bandwidth

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 36.73 dBm Occupied Bandwidth 7.691 kHz Total Power 38.2 dBm Transmit Freq Error -2 Hz OBW Power 99.00 % x dB Bandwidth 10.06 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _{M2}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 36.75 dBm Occupied Bandwidth 7.793 kHz Total Power 38.0 dBm Transmit Freq Error -14 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB
TX-DNL	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 36.40 dBm Occupied Bandwidth 7.759 kHz Total Power 38.4 dBm Transmit Freq Error -30 Hz OBW Power 99.00 % x dB Bandwidth 9.886 kHz x dB -26.00 dB

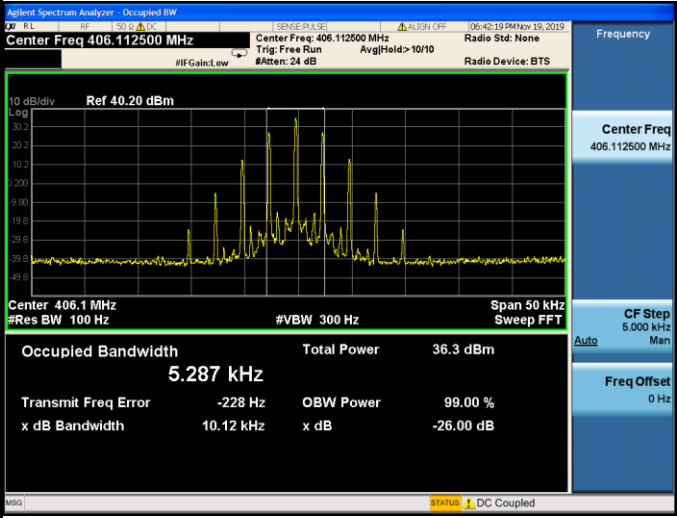
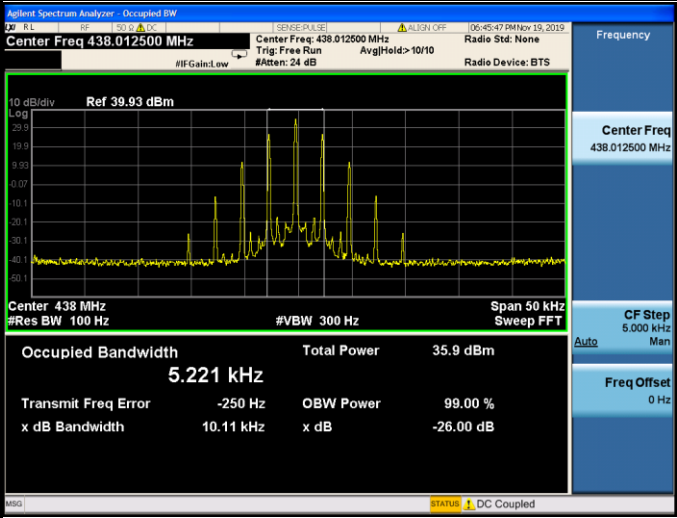
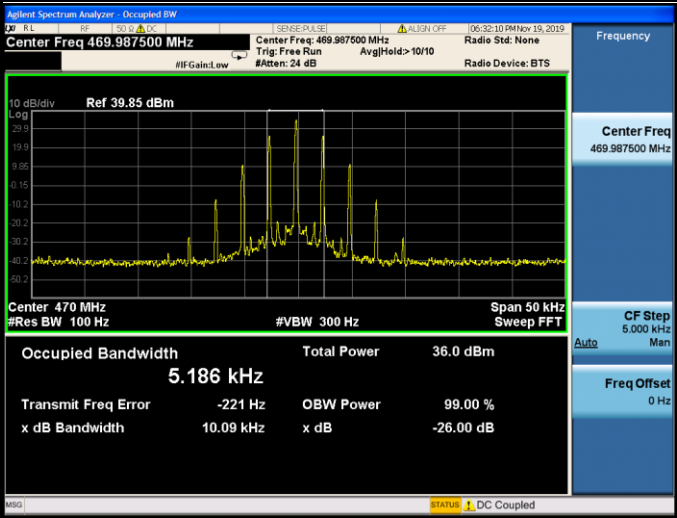


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.617 kHz Total Power 39.4 dBm Transmit Freq Error -9 Hz OBW Power 99.00 % x dB Bandwidth 9.897 kHz x dB -26.00 dB
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.288 kHz Total Power 36.1 dBm Transmit Freq Error -228 Hz OBW Power 99.00 % x dB Bandwidth 10.12 kHz x dB -26.00 dB
TX-ANH	FM	CH _{M1}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.288 kHz Total Power 36.3 dBm Transmit Freq Error -227 Hz OBW Power 99.00 % x dB Bandwidth 10.12 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 #Att: 24 dB Ref 40.20 dBm 10 dB/div Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.287 kHz Total Power 36.3 dBm Transmit Freq Error -228 Hz OBW Power 99.00 % x dB Bandwidth 10.12 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANH	FM	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run #Att: 24 dB Ref 39.93 dBm 10 dB/div Log Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.221 kHz Total Power 35.9 dBm Transmit Freq Error -250 Hz OBW Power 99.00 % x dB Bandwidth 10.11 kHz x dB -26.00 dB Frequency Center Freq 438.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANH	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run #Att: 24 dB Ref 39.85 dBm 10 dB/div Log Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.186 kHz Total Power 36.0 dBm Transmit Freq Error -221 Hz OBW Power 99.00 % x dB Bandwidth 10.09 kHz x dB -26.00 dB Frequency Center Freq 469.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled

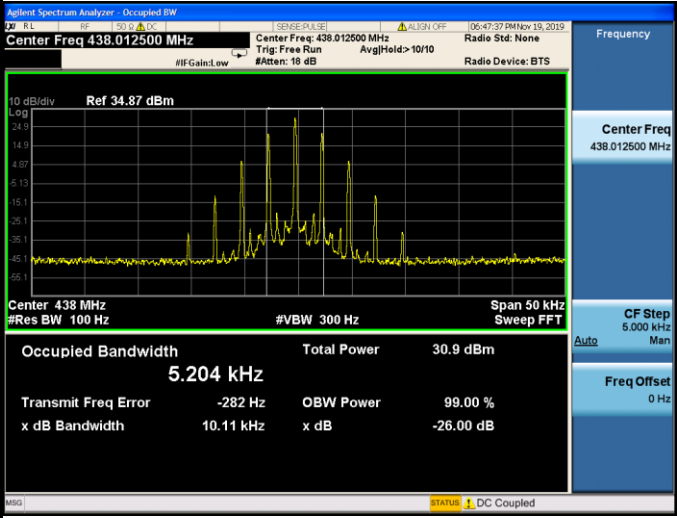
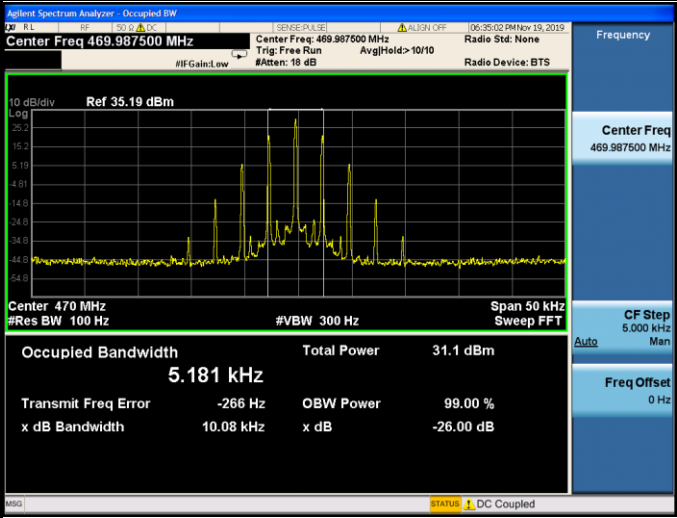


Appendix B:Occupied Bandwidth

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 34.87 dBm Occupied Bandwidth 5.263 kHz Total Power 30.7 dBm Transmit Freq Error -243 Hz x dB Bandwidth 10.13 kHz OBW Power 99.00 % x dB -26.00 dB
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 35.23 dBm Occupied Bandwidth 5.288 kHz Total Power 31.3 dBm Transmit Freq Error -228 Hz x dB Bandwidth 10.12 kHz OBW Power 99.00 % x dB -26.00 dB
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 35.31 dBm Occupied Bandwidth 5.283 kHz Total Power 31.3 dBm Transmit Freq Error -232 Hz x dB Bandwidth 10.12 kHz OBW Power 99.00 % 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 Ref 34.87 dBm Occupied Bandwidth 5.204 kHz Total Power 30.9 dBm Transmit Freq Error -282 Hz OBW Power 99.00 % x dB Bandwidth 10.11 kHz x dB -26.00 dB
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Ref 35.19 dBm Occupied Bandwidth 5.181 kHz Total Power 31.1 dBm Transmit Freq Error -266 Hz OBW Power 99.00 % x dB Bandwidth 10.08 kHz x dB -26.00 dB

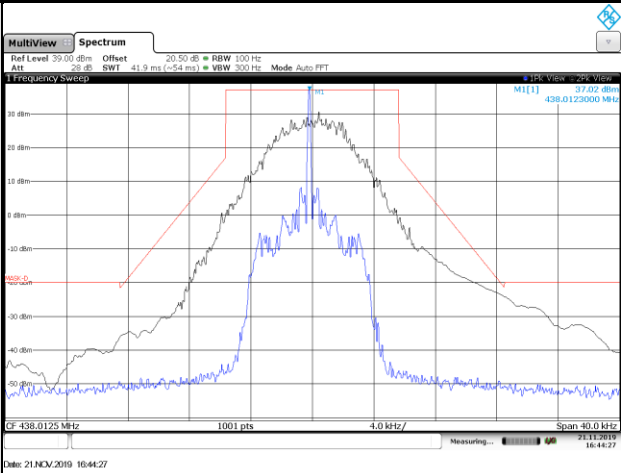
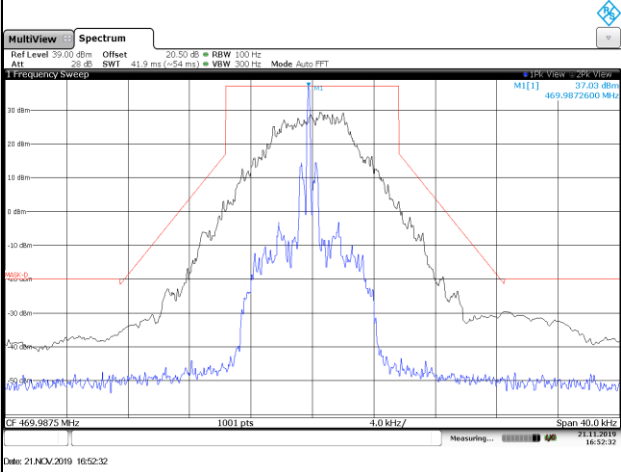
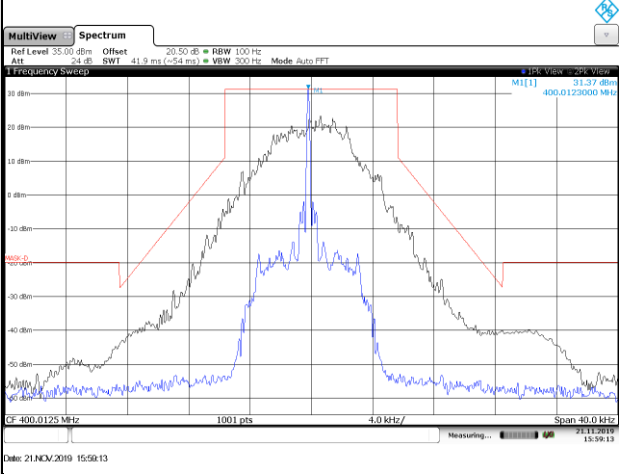


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	MultiView Spectrum Ref Level 40.00 dBm Offset 20.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (>54 ms) VIEW 300 Hz Mode Auto FFT 1 Frequency Sweep 10 dBm 30 dBm 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm CF 400.0125 MHz 1001 pts 4.0 kHz/ Span 40.0 kHz M1[1] 37.00 dBm 400.0125000 MHz Date: 21.NOV.2019 15:56:20
TX-DNH	4FSK	CH _{M1}	MultiView Spectrum Ref Level 39.00 dBm Offset 20.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (>54 ms) VIEW 300 Hz Mode Auto FFT 1 Frequency Sweep 10 dBm 30 dBm 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm CF 406.0075 MHz 1001 pts 4.0 kHz/ Span 40.0 kHz M1[1] 35.00 dBm 406.0075000 MHz Date: 21.NOV.2019 16:54:42
TX-DNH	4FSK	CH _{M2}	MultiView Spectrum Ref Level 39.00 dBm Offset 20.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (>54 ms) VIEW 300 Hz Mode Auto FFT 1 Frequency Sweep 10 dBm 30 dBm 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm CF 406.1125 MHz 1001 pts 4.0 kHz/ Span 40.0 kHz M1[1] 35.75 dBm 406.1125000 MHz Date: 21.NOV.2019 16:56:00

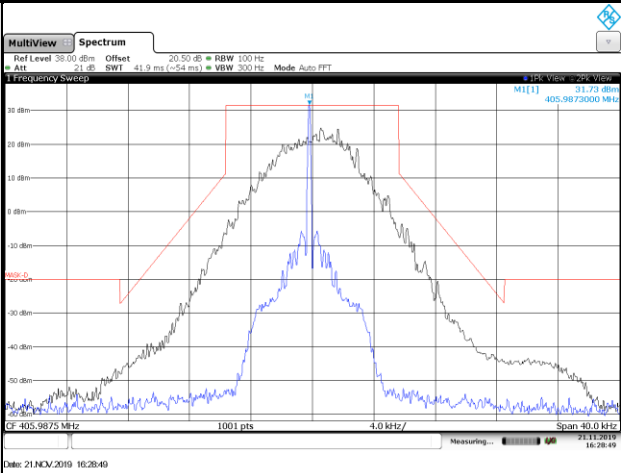
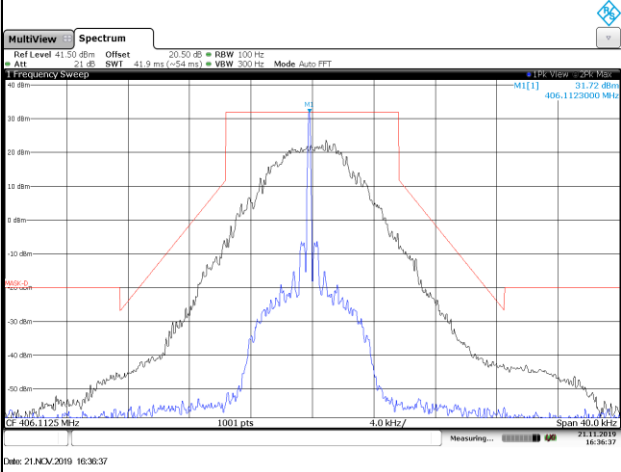
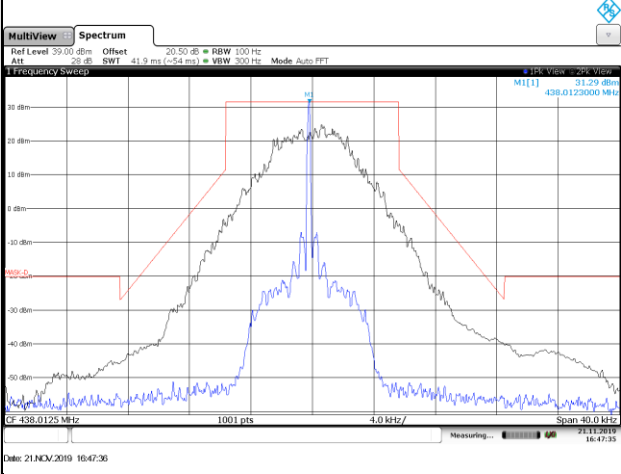


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	
TX-DNH	4FSK	CH _H	
TX-DNL	4FSK	CH _L	

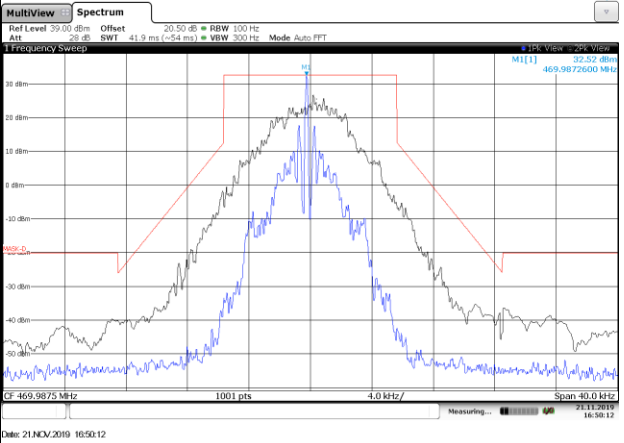
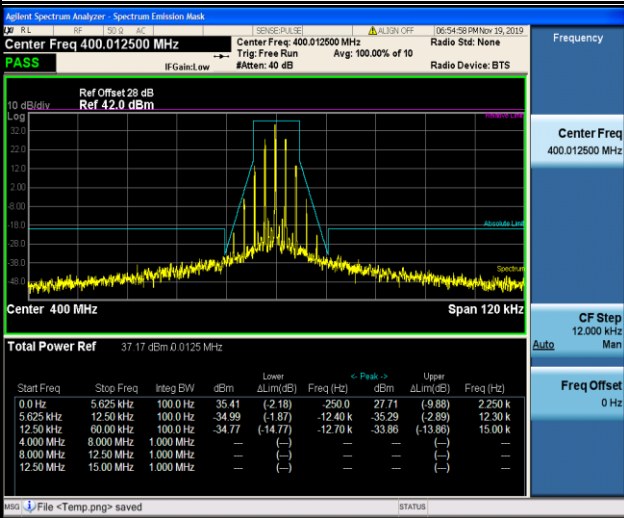
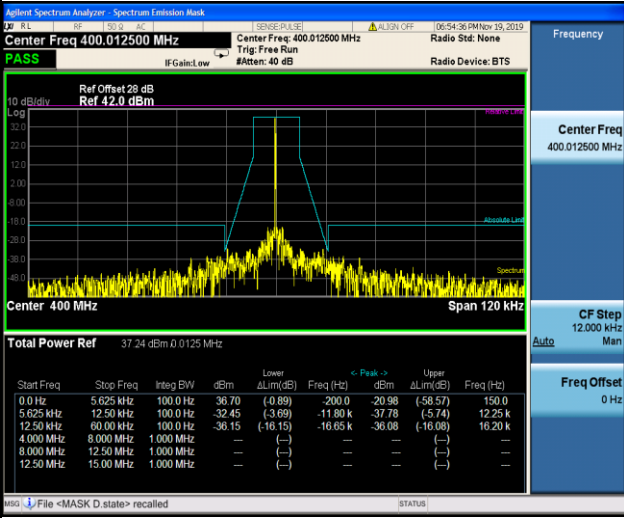


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	
TX-DNL	4FSK	CH _{M2}	
TX-DNL	4FSK	CH _{M3}	

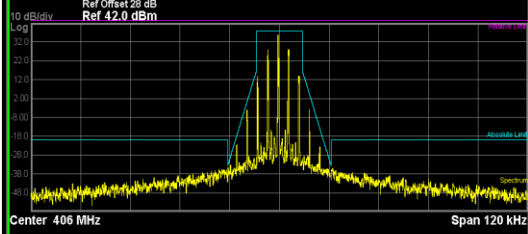
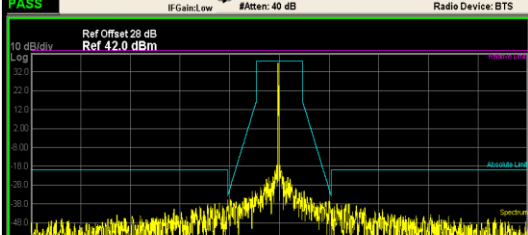
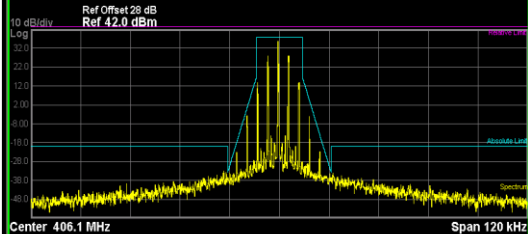


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	
TX-ANH	FM	CH _L	
TX-ANH	FM	CH _L	



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	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 Stat: None Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm  Total Power Ref 36.92 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 > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.55</td><td>(-2.14)</td><td>-200.0</td><td>27.85</td><td>(-9.84)</td><td>2.300 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.75</td><td>(-2.09)</td><td>-12.35 k</td><td>-37.42</td><td>(-4.76)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.58</td><td>(-15.58)</td><td>-14.55 k</td><td>-35.10</td><td>(-15.10)</td><td>12.85 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> File <Temp.png> saved 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	35.55	(-2.14)	-200.0	27.85	(-9.84)	2.300 k	5.625 kHz	12.50 kHz	100.0 Hz	-34.75	(-2.09)	-12.35 k	-37.42	(-4.76)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.58	(-15.58)	-14.55 k	-35.10	(-15.10)	12.85 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	35.55	(-2.14)	-200.0	27.85	(-9.84)	2.300 k																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-34.75	(-2.09)	-12.35 k	-37.42	(-4.76)	12.35 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-35.58	(-15.58)	-14.55 k	-35.10	(-15.10)	12.85 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	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	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 Stat: None Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm  Total Power Ref 36.89 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.87</td><td>(-0.82)</td><td>-200.0</td><td>-17.38</td><td>(-55.07)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.89</td><td>(-2.50)</td><td>-12.45 k</td><td>-37.20</td><td>(-4.55)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.73</td><td>(-17.73)</td><td>-14.50 k</td><td>-37.87</td><td>(-17.87)</td><td>16.80 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 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	36.87	(-0.82)	-200.0	-17.38	(-55.07)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.89	(-2.50)	-12.45 k	-37.20	(-4.55)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.73	(-17.73)	-14.50 k	-37.87	(-17.87)	16.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	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 Stat: None Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm  Total Power Ref 36.89 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.53</td><td>(-2.14)</td><td>-200.0</td><td>27.83</td><td>(-9.85)</td><td>2.300 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.36</td><td>(-2.97)</td><td>-12.45 k</td><td>-34.49</td><td>(-2.19)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.85</td><td>(-12.85)</td><td>-13.40 k</td><td>-34.13</td><td>(-14.13)</td><td>13.05 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <Temp.png> saved STATUS Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.53	(-2.14)	-200.0	27.83	(-9.85)	2.300 k	5.625 kHz	12.50 kHz	100.0 Hz	-36.36	(-2.97)	-12.45 k	-34.49	(-2.19)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.85	(-12.85)	-13.40 k	-34.13	(-14.13)	13.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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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 Trig: Free Run IF Gain: Low #Atten: 40 dB Radio Std: None Radio Device: BTS 06:42:55 PM Nov 19, 2019 10 dB/div Ref Offset 28 dB Ref 42.0 dBm Log 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Center 406.1 MHz Span 120 kHz Total Power Ref 36.87 dBm/0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.85</td><td>(-0.82)</td><td>-200.0</td><td>-17.26</td><td>(-54.94)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.60</td><td>(-3.56)</td><td>-12.40 k</td><td>-36.28</td><td>(-6.52)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.63</td><td>(-16.63)</td><td>-13.80 k</td><td>-36.07</td><td>(-16.07)</td><td>15.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK.D.state> recalled (STATUS) Frequency Center Freq 406.112500 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	36.85	(-0.82)	-200.0	-17.26	(-54.94)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.60	(-3.56)	-12.40 k	-36.28	(-6.52)	11.95 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.63	(-16.63)	-13.80 k	-36.07	(-16.07)	15.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run IF Gain: Low #Atten: 40 dB Radio Std: None Radio Device: BTS 06:46:51 PM Nov 19, 2019 10 dB/div Ref Offset 28 dB Ref 41.0 dBm Log 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Center 438 MHz Span 120 kHz Total Power Ref 36.76 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>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.10</td><td>(-2.30)</td><td>-250.0</td><td>26.92</td><td>(-10.49)</td><td>2.250 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.50</td><td>(-1.19)</td><td>-12.40 k</td><td>-36.78</td><td>(-3.11)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.87</td><td>(-15.87)</td><td>-14.25 k</td><td>-34.11</td><td>(-14.11)</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></table> File <Temp.png> saved (STATUS) Frequency Center Freq 438.012500 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	35.10	(-2.30)	-250.0	26.92	(-10.49)	2.250 k	5.625 kHz	12.50 kHz	100.0 Hz	-34.50	(-1.19)	-12.40 k	-36.78	(-3.11)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.87	(-15.87)	-14.25 k	-34.11	(-14.11)	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	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run IF Gain: Low #Atten: 40 dB Radio Std: None Radio Device: BTS 06:46:29 PM Nov 19, 2019 10 dB/div Ref Offset 28 dB Ref 41.0 dBm Log 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Center 438 MHz Span 120 kHz Total Power Ref 36.65 dBm/0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.33</td><td>(-1.07)</td><td>-250.0</td><td>-18.07</td><td>(-55.47)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.66</td><td>(-3.35)</td><td>-12.40 k</td><td>-37.63</td><td>(-4.69)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.86</td><td>(-15.86)</td><td>-14.60 k</td><td>-35.99</td><td>(-15.99)</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></table> File <MASK.D.state> recalled (STATUS) Frequency Center Freq 438.012500 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	36.33	(-1.07)	-250.0	-18.07	(-55.47)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.66	(-3.35)	-12.40 k	-37.63	(-4.69)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.86	(-15.86)	-14.60 k	-35.99	(-15.99)	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

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