



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Ref Offset 43 dB Ref 42.0 dBm Center Freq 469.987500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS IF Gain: Low File <MASK D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <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>23.68</td><td>(-14.56)</td><td>0.0</td><td>37.40</td><td>(-0.84)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.84</td><td>(-2.54)</td><td>-12.10 k</td><td>-34.91</td><td>(-3.16)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.01</td><td>(-15.01)</td><td>-12.90 k</td><td>-34.27</td><td>(-14.27)</td><td>13.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	23.68	(-14.56)	0.0	37.40	(-0.84)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.84	(-2.54)	-12.10 k	-34.91	(-3.16)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.01	(-15.01)	-12.90 k	-34.27	(-14.27)	13.10 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	—	(—)	—	—	(—)	—	TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Ref Offset 43 dB Ref 42.0 dBm Center Freq 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Std: None Radio Device: BTS IF Gain: Low File <Temp.png> saved STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <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>28.31</td><td>(-9.92)</td><td>-2.400 k</td><td>36.16</td><td>(-2.08)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.61</td><td>(-2.41)</td><td>-12.50 k</td><td>-33.66</td><td>(-1.18)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.16</td><td>(-13.16)</td><td>-12.50 k</td><td>-33.78</td><td>(-13.78)</td><td>15.30 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>	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	28.31	(-9.92)	-2.400 k	36.16	(-2.08)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.61	(-2.41)	-12.50 k	-33.66	(-1.18)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.16	(-13.16)	-12.50 k	-33.78	(-13.78)	15.30 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-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Ref Offset 42 dB Ref 36.0 dBm Center Freq 400.012500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS IF Gain: Low File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz <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>21.53</td><td>(-10.30)</td><td>0.0</td><td>29.98</td><td>(-1.85)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.54</td><td>(-2.53)</td><td>-12.50 k</td><td>-42.42</td><td>(-3.17)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.71</td><td>(-20.71)</td><td>-13.15 k</td><td>-39.45</td><td>(-19.45)</td><td>18.40 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.53	(-10.30)	0.0	29.98	(-1.85)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.54	(-2.53)	-12.50 k	-42.42	(-3.17)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.71	(-20.71)	-13.15 k	-39.45	(-19.45)	18.40 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS IF Gain: Low #Atten: 40 dB Ref Offset 42 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 4.00 14.0 34.0 54.0 Center 406 MHz Span 120 kHz Total Power Ref 29.78 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>20.45</td><td>(-11.37)</td><td>-2.400 k</td><td>28.53</td><td>(-3.29)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.33</td><td>(4.17)</td><td>-12.30 k</td><td>-41.88</td><td>(2.73)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.25</td><td>(-18.25)</td><td>-12.60 k</td><td>-39.47</td><td>(-19.47)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man 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	20.45	(-11.37)	-2.400 k	28.53	(-3.29)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.33	(4.17)	-12.30 k	-41.88	(2.73)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.25	(-18.25)	-12.60 k	-39.47	(-19.47)	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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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run #Atten: 40 dB IF Gain: Low Radio Std: None Radio Device: BTS Ref Offset 42 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 4.00 14.0 34.0 54.0 Center 406.1 MHz Span 120 kHz Total Power Ref 30.01 dBm 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>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>19.14</td><td>(-12.68)</td><td>0.0</td><td>29.99</td><td>(-1.83)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.04</td><td>(2.88)</td><td>-12.30 k</td><td>-41.71</td><td>(-3.54)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.13</td><td>(20.13)</td><td>-15.35 k</td><td>-40.08</td><td>(20.08)</td><td>19.35 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> File <MASK D.state> recalled STATUS Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man 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	19.14	(-12.68)	0.0	29.99	(-1.83)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.04	(2.88)	-12.30 k	-41.71	(-3.54)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.13	(20.13)	-15.35 k	-40.08	(20.08)	19.35 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	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 #Atten: 40 dB IF Gain: Low Radio Std: None Radio Device: BTS Ref Offset 42 dB Ref 36.0 dBm 10 dB/div Log 26.0 16.0 6.00 4.00 14.0 34.0 54.0 Center 406.1 MHz Span 120 kHz Total Power Ref 30.07 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>20.68</td><td>(-11.14)</td><td>-2.400 k</td><td>28.77</td><td>(-3.06)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.75</td><td>(-0.13)</td><td>-12.50 k</td><td>-40.10</td><td>(-3.76)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.40</td><td>(-19.40)</td><td>-12.50 k</td><td>-39.38</td><td>(-19.38)</td><td>30.20 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></table> File <Temp.png> saved STATUS Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man 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	20.68	(-11.14)	-2.400 k	28.77	(-3.06)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.75	(-0.13)	-12.50 k	-40.10	(-3.76)	12.05 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.40	(-19.40)	-12.50 k	-39.38	(-19.38)	30.20 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run #Atten: 40 dB IF Gain: Low Radio Std: None Radio Device: BTS Ref Offset 43 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 33.0 53.0 Center 438 MHz Span 120 kHz Total Power Ref 31.33 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>15.94</td><td>(-16.60)</td><td>0.0</td><td>31.33</td><td>(-1.21)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.17</td><td>(-6.99)</td><td>-12.40 k</td><td>-38.58</td><td>(-0.41)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.01</td><td>(-18.01)</td><td>-15.40 k</td><td>-39.26</td><td>(-19.26)</td><td>20.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK D.state> recalled STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man 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	15.94	(-16.60)	0.0	31.33	(-1.21)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.17	(-6.99)	-12.40 k	-38.58	(-0.41)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.01	(-18.01)	-15.40 k	-39.26	(-19.26)	20.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 43 dB Ref 37.0 dBm IF Gain: Low #Atten: 40 dB Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz 10 dB/div Log 20.0 17.0 14.0 11.0 8.0 5.0 2.0 -1.0 -4.0 -7.0 -10.0 -13.0 -16.0 -19.0 -22.0 -25.0 -28.0 -31.0 -34.0 -37.0 -40.0 -43.0 -46.0 -49.0 -52.0 -55.0 -58.0 -61.0 -64.0 -67.0 -70.0 -73.0 -76.0 -79.0 -82.0 -85.0 -88.0 -91.0 -94.0 -97.0 -100.0 Center 438 MHz Span 120 kHz Total Power Ref 31.34 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>Peak (Hz)</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Peak (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>22.12</td><td>(-10.41)</td><td>-2.400 k</td><td>30.13</td><td>(-2.41)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.62</td><td>(-1.72)</td><td>-12.50 k</td><td>-40.84</td><td>(-2.31)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.82</td><td>(-15.82)</td><td>-12.85 k</td><td>-34.30</td><td>(-14.30)</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></table> File <Temp.png> saved STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	dBm	Upper ΔLim(dB)	Peak (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.12	(-10.41)	-2.400 k	30.13	(-2.41)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.62	(-1.72)	-12.50 k	-40.84	(-2.31)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.82	(-15.82)	-12.85 k	-34.30	(-14.30)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	dBm	Upper ΔLim(dB)	Peak (Hz)																																																										
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 43 dB Ref 36.0 dBm IF Gain: Low #Atten: 40 dB Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz 10 dB/div Log 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 -60.0 -64.0 -68.0 -72.0 -76.0 -80.0 -84.0 -88.0 -92.0 -96.0 -100.0 Center 470 MHz Span 120 kHz Total Power Ref 31.53 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>Peak (Hz)</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Peak (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>-12.21</td><td>(-44.57)</td><td>0.0</td><td>31.30</td><td>(-1.06)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.21</td><td>(-3.68)</td><td>-12.15 k</td><td>-42.09</td><td>(-5.55)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.59</td><td>(-19.59)</td><td>-15.55 k</td><td>-39.35</td><td>(-19.35)</td><td>14.20 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></table> File <MASK D.state> recalled STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	dBm	Upper ΔLim(dB)	Peak (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-12.21	(-44.57)	0.0	31.30	(-1.06)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.21	(-3.68)	-12.15 k	-42.09	(-5.55)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.59	(-19.59)	-15.55 k	-39.35	(-19.35)	14.20 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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5.625 kHz	12.50 kHz	100.0 Hz	-40.21	(-3.68)	-12.15 k	-42.09	(-5.55)	12.15 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-39.59	(-19.59)	-15.55 k	-39.35	(-19.35)	14.20 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 43 dB Ref 36.0 dBm IF Gain: Low #Atten: 40 dB Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Auto Freq Offset 0 Hz 10 dB/div Log 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 -60.0 -64.0 -68.0 -72.0 -76.0 -80.0 -84.0 -88.0 -92.0 -96.0 -100.0 Center 470 MHz Span 120 kHz Total Power Ref 31.60 dBm @ 0.0125 MHz <table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Peak (Hz)</th><th>dBm</th><th>Upper ΔLim(dB)</th><th>Peak (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>22.13</td><td>(-10.23)</td><td>-2.350 k</td><td>30.08</td><td>(-2.28)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.19</td><td>(-1.47)</td><td>-12.45 k</td><td>-40.91</td><td>(-1.84)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.54</td><td>(-17.54)</td><td>-26.30 k</td><td>-37.09</td><td>(-17.09)</td><td>14.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	dBm	Upper ΔLim(dB)	Peak (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.13	(-10.23)	-2.350 k	30.08	(-2.28)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.19	(-1.47)	-12.45 k	-40.91	(-1.84)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.54	(-17.54)	-26.30 k	-37.09	(-17.09)	14.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	dBm	Upper ΔLim(dB)	Peak (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	22.13	(-10.23)	-2.350 k	30.08	(-2.28)	150.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-40.19	(-1.47)	-12.45 k	-40.91	(-1.84)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-37.54	(-17.54)	-26.30 k	-37.09	(-17.09)	14.95 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

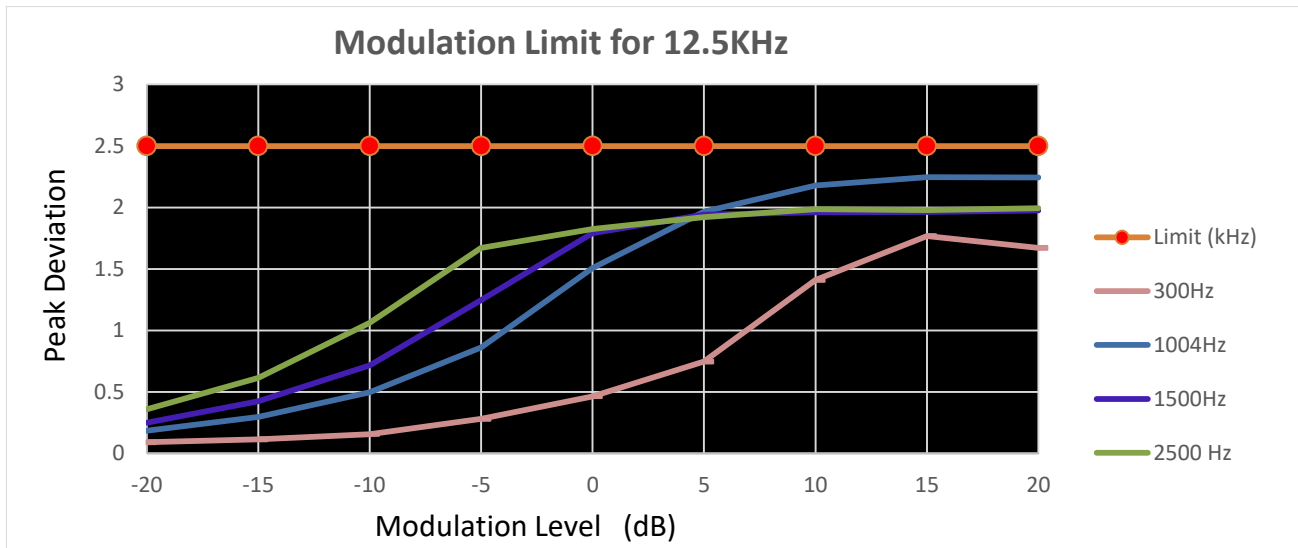
**Appendix D:Modulation Limit**

Operation Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Result
				300Hz	1004Hz	1500Hz	2500 Hz		
TX-ANH	FM	CH _{M2}	-20	0.091	0.185	0.251	0.359	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.115	0.297	0.424	0.615	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.158	0.498	0.716	1.062	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.281	0.863	1.246	1.67	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.464	1.507	1.79	1.826	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.747	1.966	1.943	1.922	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.41	2.178	1.961	1.987	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.767	2.247	1.964	1.978	2.5	PASS
TX-ANH	FM	CH _{M2}	20	1.67	2.245	1.977	1.993	2.5	PASS



Appendix D:Modulation Limit

TEST PLOT RESULT



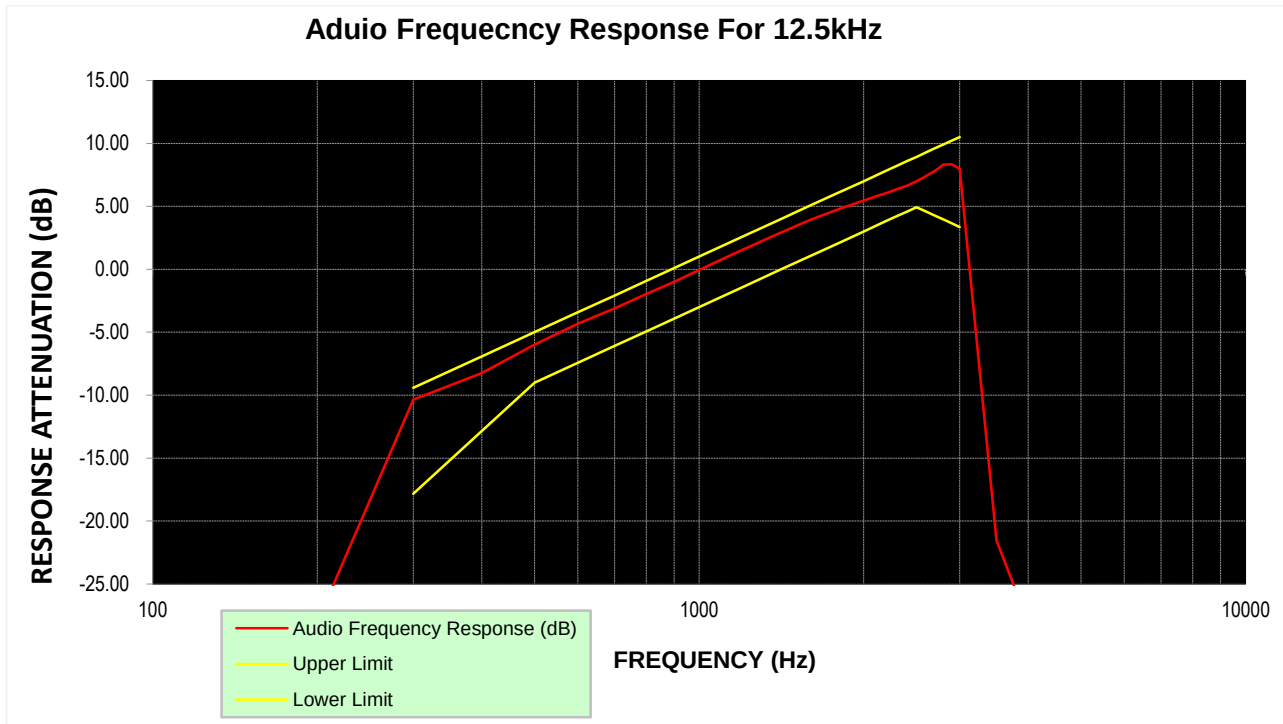
**Appendix E:Aduio Frequency Response**

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-27.80			PASS
TX-ANH	FM	CH _{M2}	200	-28.05			PASS
TX-ANH	FM	CH _{M2}	300	-10.36	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-8.24	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-5.99	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-4.34	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.12	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-1.96	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-0.99	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.05	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.54	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.85	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	3.94	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	4.77	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	5.46	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	5.76	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	6.04	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	6.35	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	6.64	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.00	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	7.40	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	7.81	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	8.32	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	8.34	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	7.98	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-21.54			PASS
TX-ANH	FM	CH _{M2}	4000	-28.07			PASS
TX-ANH	FM	CH _{M2}	4500	-27.97			PASS
TX-ANH	FM	CH _{M2}	5000	-27.91			PASS



Appendix E:Aduio Frequency Response

TEST PLOT RESULT



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

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

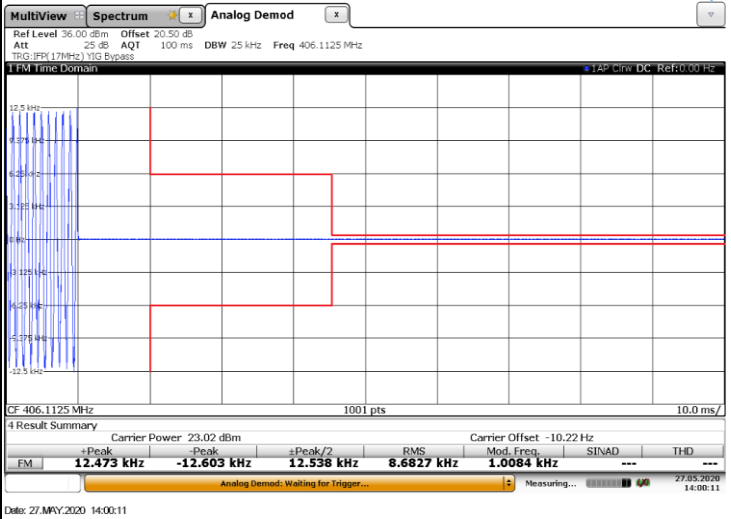
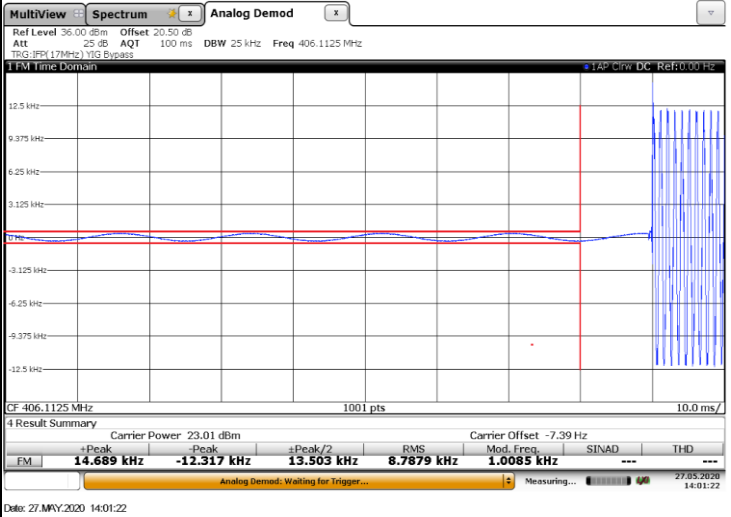
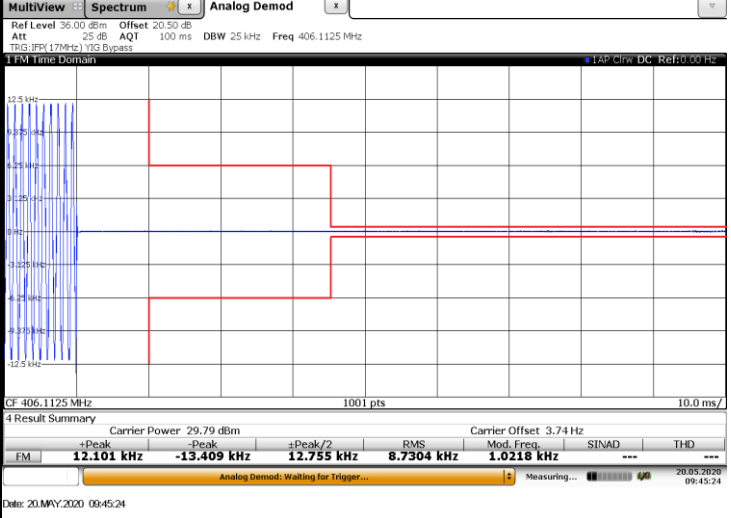
Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	0.114	0.134	0.129	0.104	0.125	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.099	0.116	0.112	0.087	0.106	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.083	0.101	0.092	0.075	0.087	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.064	0.086	0.076	0.065	0.077	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.050	0.068	0.056	0.055	0.060	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.035	0.054	0.038	0.034	0.042	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.055	0.065	0.052	0.049	0.059	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.072	0.085	0.071	0.059	0.077	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.088	0.096	0.088	0.078	0.092	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.105	0.120	0.121	0.114	0.124	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.090	0.104	0.111	0.095	0.105	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.075	0.093	0.091	0.080	0.085	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.065	0.073	0.073	0.062	0.069	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.048	0.056	0.053	0.051	0.055	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.034	0.031	0.038	0.030	0.039	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.045	0.042	0.052	0.043	0.054	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.064	0.057	0.069	0.057	0.064	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.080	0.071	0.079	0.075	0.077	±5.0	PASS
TX-ANH	FM	V _N	-30	0.350	0.395	0.373	0.385	0.354	±5.0	PASS
TX-ANH	FM	V _N	-20	0.332	0.375	0.361	0.374	0.337	±5.0	PASS
TX-ANH	FM	V _N	-10	0.320	0.357	0.343	0.357	0.318	±5.0	PASS
TX-ANH	FM	V _N	0	0.307	0.343	0.332	0.338	0.302	±5.0	PASS
TX-ANH	FM	V _N	10	0.291	0.333	0.318	0.322	0.285	±5.0	PASS
TX-ANH	FM	V _N	20	0.273	0.312	0.298	0.303	0.261	±5.0	PASS
TX-ANH	FM	V _N	30	0.288	0.322	0.317	0.318	0.271	±5.0	PASS
TX-ANH	FM	V _N	40	0.305	0.342	0.332	0.331	0.291	±5.0	PASS
TX-ANH	FM	V _N	50	0.324	0.356	0.346	0.347	0.305	±5.0	PASS
TX-ANL	FM	V _N	-30	0.343	0.351	0.364	0.347	0.334	±5.0	PASS
TX-ANL	FM	V _N	-20	0.325	0.339	0.354	0.334	0.321	±5.0	PASS
TX-ANL	FM	V _N	-10	0.313	0.326	0.339	0.321	0.305	±5.0	PASS
TX-ANL	FM	V _N	0	0.297	0.314	0.321	0.311	0.287	±5.0	PASS
TX-ANL	FM	V _N	10	0.279	0.295	0.302	0.295	0.277	±5.0	PASS
TX-ANL	FM	V _N	20	0.269	0.280	0.287	0.284	0.254	±5.0	PASS
TX-ANL	FM	V _N	30	0.280	0.296	0.304	0.295	0.274	±5.0	PASS
TX-ANL	FM	V _N	40	0.297	0.309	0.319	0.306	0.289	±5.0	PASS
TX-ANL	FM	V _N	50	0.311	0.319	0.334	0.323	0.308	±5.0	PASS

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

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	T _N	0.035	0.054	0.038	0.034	0.042	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.073	0.090	0.075	0.081	0.079	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.055	0.074	0.067	0.067	0.061	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.034	0.031	0.038	0.030	0.039	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.075	0.073	0.079	0.080	0.089	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.068	0.065	0.062	0.048	0.058	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.273	0.312	0.298	0.303	0.261	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.320	0.347	0.337	0.352	0.297	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.305	0.336	0.325	0.328	0.283	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.269	0.280	0.287	0.284	0.254	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.311	0.320	0.327	0.334	0.296	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.299	0.308	0.306	0.306	0.288	±5.0	PASS



Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M2}	 OFF-ON
TX-DNH	4FSK	CH _{M2}	 ON-OFF
TX-ANH	FM	CH _{M2}	 OFF~ON



Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	Multiview Spectrum Analog Demod Ref Level 36.00 dBm Offset 20.50 dB Att 25 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:JFP(170MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 Hz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary Carrier Power 29.78 dBm Carrier Offset 4.64 Hz FM +Peak 12.778 kHz -Peak -12.324 kHz ±Peak/2 12.551 kHz RMS 8.7283 kHz Mod. Freq. 1.03 kHz SINAD *** THD *** Analog Demod: Waiting for Trigger... Measuring... 20.05.2020 09:46:46 ON-OFF

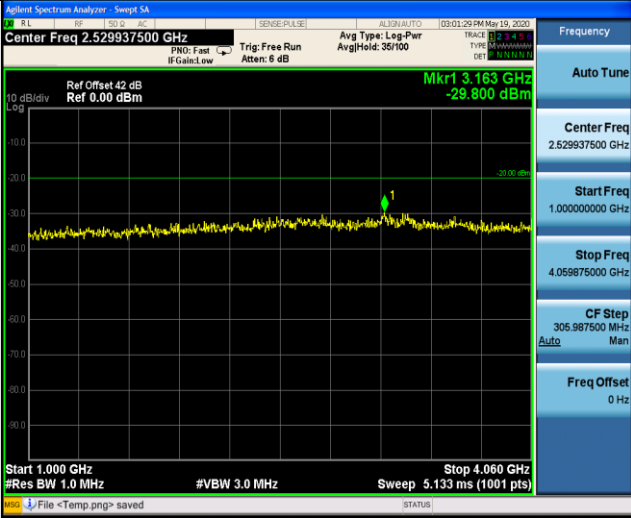
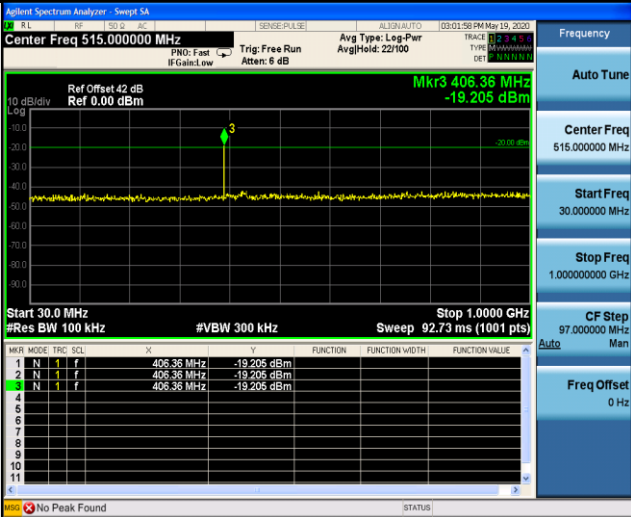
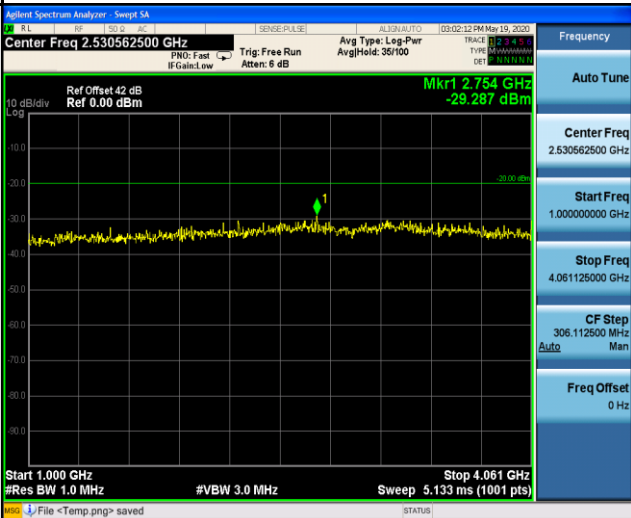


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 42 dB Ref 0.00 dBm Mkr3 399.57 MHz -10.542 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 82.73 ms (1001 pts) Stop 1.0000 GHz MNR MODE TRG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 399.57 MHz -10.542 dBm 2 N 1 f 399.57 MHz -10.542 dBm 3 N 1 f 399.57 MHz -10.542 dBm 4 5 6 7 8 9 10 11 No Peak Found 30MHz~1GHz
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.500062500 GHz Ref Offset 42 dB Ref 0.00 dBm Mkr1 2.500 GHz -29.447 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts) Stop 4.000 GHz File <Temp.png> saved 1GHz~10th Harmonic
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 42 dB Ref 0.00 dBm Mkr3 406.36 MHz -19.007 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 82.73 ms (1001 pts) Stop 1.0000 GHz MNR MODE TRG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 406.36 MHz -19.007 dBm 2 N 1 f 406.36 MHz -19.007 dBm 3 N 1 f 406.36 MHz -19.007 dBm 4 5 6 7 8 9 10 11 No Peak Found 30MHz~1GHz

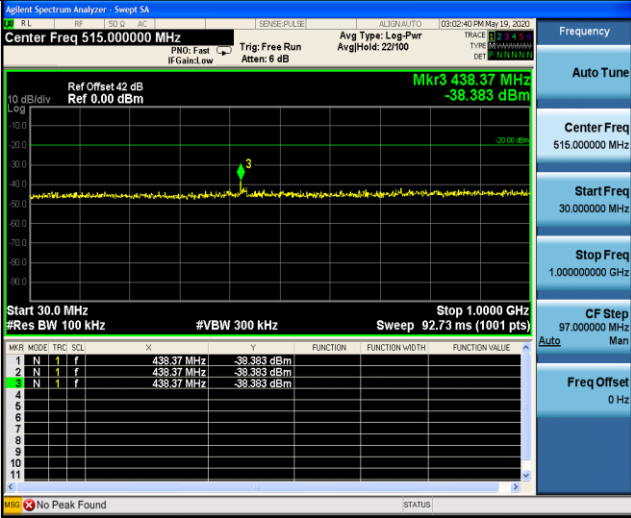
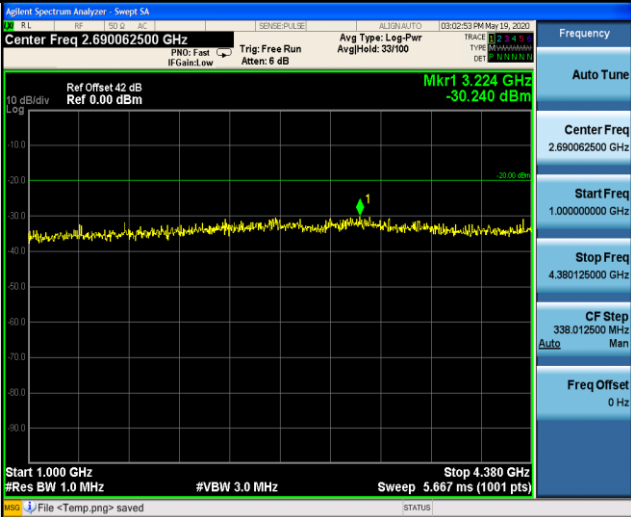
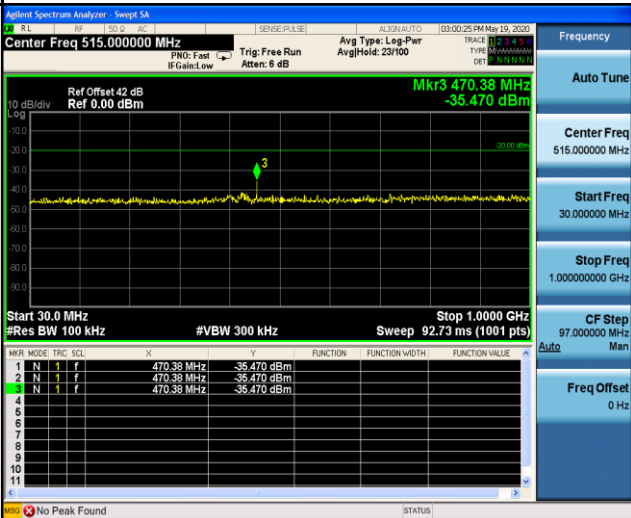


Appendix I:Spurious Emission On Antenna Port

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

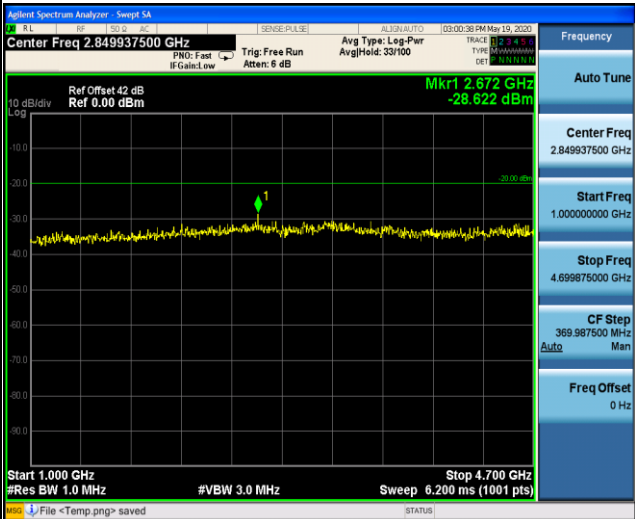
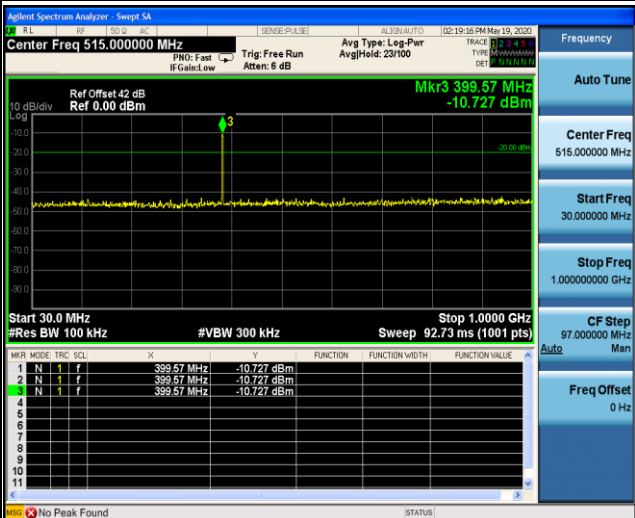
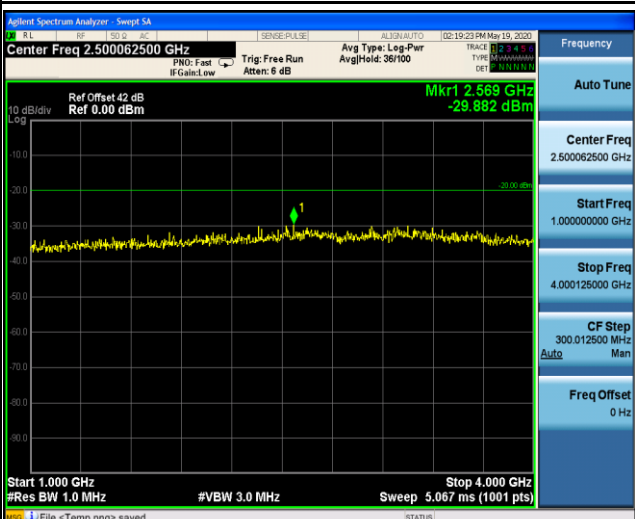


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	 30MHz~1GHz
TX-DNH	4FSK	CH _{M3}	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	 30MHz~1GHz



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _H	 1GHz~10th Harmonic
TX-ANH	FM	CH _L	 30MHz~1GHz
TX-ANH	FM	CH _L	 1GHz~10th Harmonic

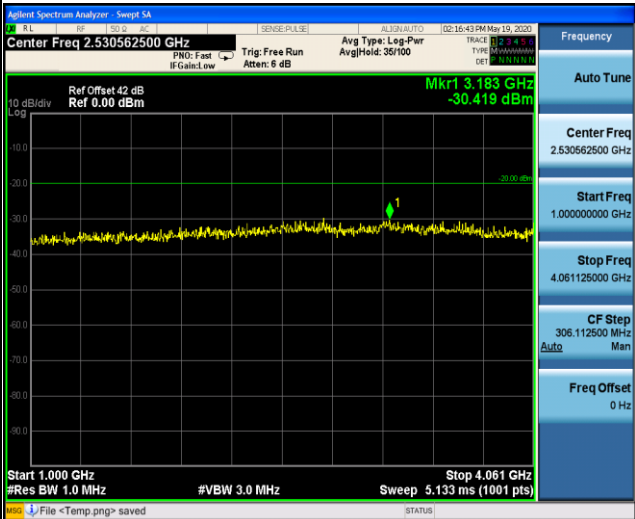
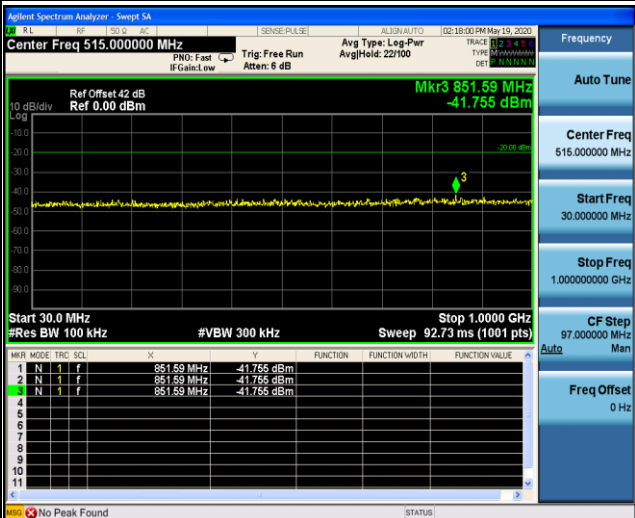
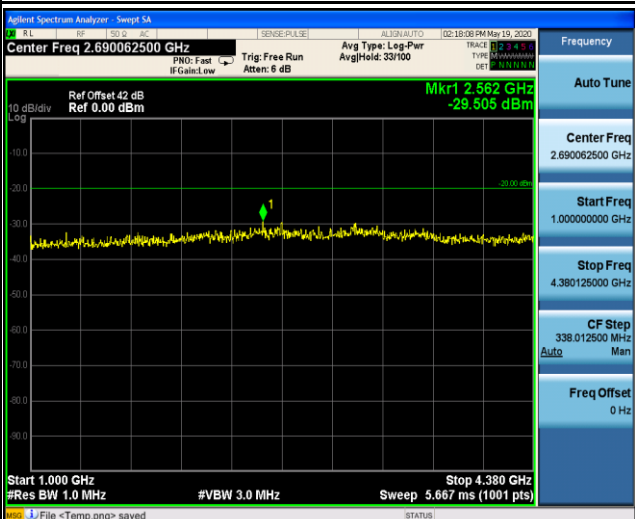


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 42 dB Ref 0.00 dBm Mkr3 406.36 MHz -18.881 dBm Start 30.0 MHz #Res BW 100 kHz Stop 1.0000 GHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Freq Offset 0 Hz No Peak Found 30MHz~1GHz
TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.529937500 GHz Ref Offset 42 dB Ref 0.00 dBm Mkr1 3.185 GHz -29.913 dBm Start 1.000 GHz #Res BW 1.0 MHz Stop 4.060 GHz #VBW 3.0 MHz Sweep 5.133 ms (1001 pts) Frequency Auto Tune Center Freq 2.529937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.059875000 GHz CF Step 305.987500 MHz Freq Offset 0 Hz File <Temp.png> saved 1GHz~10th Harmonic
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 42 dB Ref 0.00 dBm Mkr3 406.36 MHz -19.015 dBm Start 30.0 MHz #Res BW 100 kHz Stop 1.0000 GHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Freq Offset 0 Hz No Peak Found 30MHz~1GHz

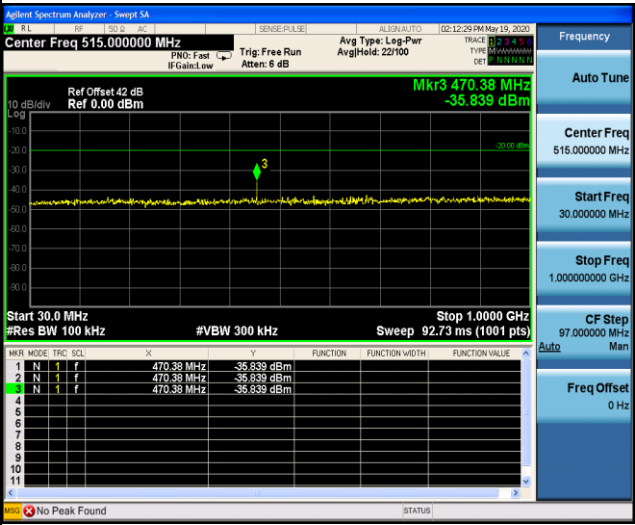


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	 1GHz~10th Harmonic
TX-ANH	FM	CH _{M3}	 30MHz~1GHz
TX-ANH	FM	CH _{M3}	 1GHz~10th Harmonic



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _H	 30MHz~1GHz
TX-ANH	FM	CH _H	 1GHz~10th Harmonic

----End of Report----