

Project No.	SHT2208182303EW		
Test sample No.	YPHT22081823001 YPHT22081823004	Model No.	walt
Start test date	2022/8/26	Finish date	2022/10/14
Temperature	24.2℃	Humidity	42%
Test Engineer	<i>Chunshui Gu</i>	Auditor	<i>Xiaodong Zhao</i>

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

Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dB m)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	FSK	CH _L	32.81	1.91	2.00	-4.5	±20	PASS
TX-DNH	FSK	CH _M	32.83	1.92	2.00	-4.0	±20	PASS
TX-DNH	FSK	CH _H	32.84	1.92	2.00	-4.0	±20	PASS
TX-DWH	FSK	CH _L	32.83	1.92	2.00	-4.0	±20	PASS
TX-DWH	FSK	CH _H	32.92	1.96	2.00	-2.0	±20	PASS
TX-ANH	FM	CH _L	32.85	1.93	2.00	-3.5	±20	PASS
TX-ANH	FM	CH _M	32.82	1.91	2.00	-4.5	±20	PASS
TX-ANH	FM	CH _H	32.87	1.94	2.00	-3.0	±20	PASS
TX-AWH	FM	CH _L	32.85	1.93	2.00	-3.5	±20	PASS
TX-AWH	FM	CH _H	32.83	1.92	2.00	-4.0	±20	PASS

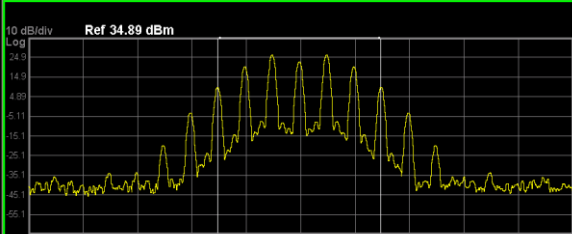
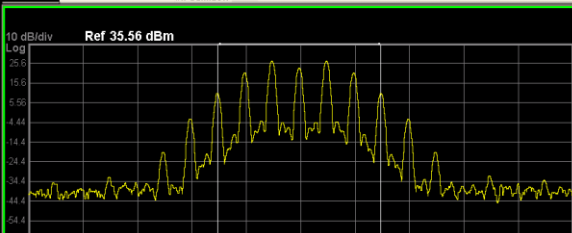
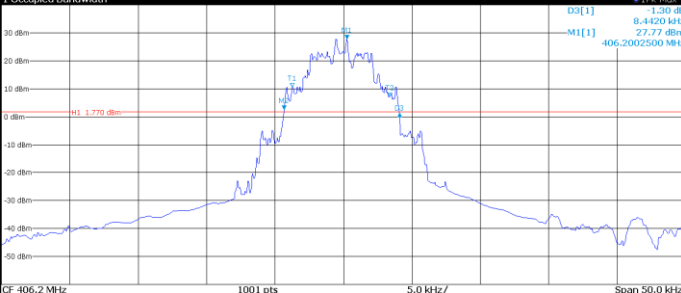
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-ANH	FM	CH _L	9.991	10.170	≤11.25	PASS
TX-ANH	FM	CH _M	9.999	10.170	≤11.25	PASS
TX-ANH	FM	CH _H	9.998	10.170	≤11.25	PASS
TX-AWH	FM	CH _L	14.913	15.640	≤20	PASS
TX-AWH	FM	CH _H	14.916	15.650	≤20	PASS
TX-DNH	FSK	CH _L	7.143	8.442	≤11.25	PASS
TX-DNH	FSK	CH _M	7.043	8.242	≤11.25	PASS
TX-DNH	FSK	CH _H	7.193	8.442	≤11.25	PASS
TX-DWH	FSK	CH _L	11.389	16.284	≤20	PASS
TX-DWH	FSK	CH _H	11.538	16.084	≤20	PASS

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq: 406.200000 MHz Ref: 35.25 dBm Occupied Bandwidth: 9.991 kHz Total Power: 31.8 dBm Transmit Freq Error: -114 Hz OBW Power: 99.00 % x dB Bandwidth: 10.17 kHz x dB: -26.00 dB
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq: 413.000000 MHz Ref: 34.85 dBm Occupied Bandwidth: 9.999 kHz Total Power: 31.0 dBm Transmit Freq Error: -113 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: 419.900000 MHz Ref: 35.43 dBm Occupied Bandwidth: 9.998 kHz Total Power: 32.1 dBm Transmit Freq Error: -126 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-AWH	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 416.200000 MHz Center Freq: 416.200000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: low #Atten: 36 dB 10 dB/div Ref 34.89 dBm  Center 416.2 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 14.913 kHz Total Power 31.9 dBm Transmit Freq Error -118 Hz OBW Power 99.00 % x dB Bandwidth 15.64 kHz x dB -26.00 dB Frequency Center Freq 416.200000 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz																																										
TX-AWH	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 419.900000 MHz Center Freq: 419.900000 MHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #IF Gain: low #Atten: 36 dB 10 dB/div Ref 35.56 dBm  Center 419.9 MHz #Res BW 300 Hz #VBW 1 kHz Span 50 kHz Sweep 527.2 ms Occupied Bandwidth 14.916 kHz Total Power 32.5 dBm Transmit Freq Error -130 Hz OBW Power 99.00 % x dB Bandwidth 15.65 kHz x dB -26.00 dB Frequency Center Freq 419.900000 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz																																										
TX-DNH	FSK	CH _L	MultiView Spectrum Ref Level 40.00 dBm Offset 10.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth  CF 406.2 MHz 1001 pts 5.0 kHz Span 50.0 kHz 2 Marker Table <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>406.20025 MHz</td><td>27.77 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1962537 MHz</td><td>10.50 dBm</td><td>Occ Bw</td><td>7.142857143 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>406.2033965 MHz</td><td>10.21 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>406.195654 MHz</td><td>2.62 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M2</td><td>1</td><td>8.442 kHz</td><td>-1.30 dB</td><td></td><td></td></tr></tbody></table> Measuring... 13.10.2022 09:01:02	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		406.20025 MHz	27.77 dBm			T1	1		406.1962537 MHz	10.50 dBm	Occ Bw	7.142857143 kHz	T2	1		406.2033965 MHz	10.21 dBm			M2	1		406.195654 MHz	2.62 dBm			D3	M2	1	8.442 kHz	-1.30 dB		
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Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																										
TX-DNH	FSK	CH _M	MultiViewSpectrum Ref Level 40.00 dBm Offset 10.50 dB RBW 300 Hz Att 39 dB SWT 14 ms (~23 ms) VBW 1 kHz Mode Auto FFT 1 Occupied Bandwidth CF 413.0 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>412.9999 MHz</td><td>29.10 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>412.9963037 MHz</td><td>12.03 dBm</td><td>Occ Bw</td><td>7.042957043 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>413.003467 MHz</td><td>11.42 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>412.995604 MHz</td><td>4.16 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M2</td><td>1</td><td>8.242 kHz</td><td>-1.59 dB</td><td></td><td></td></tr></tbody></table> Measuring... 14.10.2022 14:01:25 Date: 14.OCT.2022 14:01:24	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		412.9999 MHz	29.10 dBm			T1	1		412.9963037 MHz	12.03 dBm	Occ Bw	7.042957043 kHz	T2	1		413.003467 MHz	11.42 dBm			M2	1		412.995604 MHz	4.16 dBm			D3	M2	1	8.242 kHz	-1.59 dB		
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Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																										
TX-DWH	FSK	CH _H	MultiviewSpectrum Ref Level 40.00 dBm Offset 10.50 dB BW RBW 300 Hz Att 20 dB SWT 1.4 ms (~23 ms) VIEW 1 kHz Mode Auto FFT 1 Occupied Bandwidth CF 419.9 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>419.892158 MHz</td><td>0.27 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>419.8940559 MHz</td><td>14.16 dBm</td><td>Occ Bw</td><td>11.538461538 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>419.8955044 MHz</td><td>14.63 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>419.8997 MHz</td><td>25.67 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>16.084 kHz</td><td>-0.93 dB</td><td></td><td></td></tr></table> Measuring... 09.10.2022 14:06:44 Date: 9.OCT.2022 14:06:44	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		419.892158 MHz	0.27 dBm			T1	1		419.8940559 MHz	14.16 dBm	Occ Bw	11.538461538 kHz	T2	1		419.8955044 MHz	14.63 dBm			M2	1		419.8997 MHz	25.67 dBm			D3	M1	1	16.084 kHz	-0.93 dB		
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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 09:14:15 aM Oct 12, 2022 Center Freq 406.200000 MHz Center Freq: 406.200000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 23.0 33.0 43.0 53.0 Relative Lim Absolute Lim Spectrum Center 406.2 MHz Span 120 kHz Total Power Ref 32.27 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.69</td><td>(-1.00)</td><td>-150.0</td><td>-2.744</td><td>(-35.43)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.27</td><td>(-4.52)</td><td>-12.50 k</td><td>-39.66</td><td>(-2.00)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.84</td><td>(-21.84)</td><td>-21.65 k</td><td>-39.50</td><td>(-19.50)</td><td>21.40 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></tbody></table> File <MASK D.state> recalled STATUS Frequency Center Freq 406.200000 MHz CF Step 12.000 kHz Man 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	31.69	(-1.00)	-150.0	-2.744	(-35.43)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.27	(-4.52)	-12.50 k	-39.66	(-2.00)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.84	(-21.84)	-21.65 k	-39.50	(-19.50)	21.40 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-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 09:14:37 aM Oct 12, 2022 Center Freq 406.200000 MHz Center Freq: 406.200000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 23.0 33.0 43.0 53.0 Relative Lim Absolute Lim Spectrum Center 406.2 MHz Span 120 kHz Total Power Ref 32.16 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>29.74</td><td>(-2.95)</td><td>-100.0</td><td>23.92</td><td>(-8.78)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-29.44</td><td>(-0.87)</td><td>-11.10 k</td><td>-30.39</td><td>(-1.97)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-30.88</td><td>(-10.88)</td><td>-12.65 k</td><td>-33.47</td><td>(-13.47)</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> File <Temp.png> saved STATUS Frequency Center Freq 406.200000 MHz CF Step 12.000 kHz Man 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	29.74	(-2.95)	-100.0	23.92	(-8.78)	2.400 k	5.625 kHz	12.50 kHz	100.0 Hz	-29.44	(-0.87)	-11.10 k	-30.39	(-1.97)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-30.88	(-10.88)	-12.65 k	-33.47	(-13.47)	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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12.50 kHz	60.00 kHz	100.0 Hz	-30.88	(-10.88)	-12.65 k	-33.47	(-13.47)	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	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN AUTO 10:49:18 PM Oct 14, 2022 Center Freq 413.000000 MHz Center Freq: 413.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 36.0 dBm 10 dB/div Log 25.0 16.0 6.00 4.00 14.0 24.0 34.0 44.0 54.0 Relative Lim Absolute Lim Spectrum Center 413 MHz Span 120 kHz Total Power Ref 31.92 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>31.35</td><td>(-0.99)</td><td>-150.0</td><td>1.595</td><td>(-30.74)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.30</td><td>(-2.29)</td><td>-12.35 k</td><td>-42.19</td><td>(-3.09)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.32</td><td>(-21.32)</td><td>-14.20 k</td><td>-40.99</td><td>(-20.99)</td><td>15.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <MASK D.state> recalled STATUS Frequency Center Freq 413.000000 MHz CF Step 12.000 kHz Man 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	31.35	(-0.99)	-150.0	1.595	(-30.74)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.30	(-2.29)	-12.35 k	-42.19	(-3.09)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.32	(-21.32)	-14.20 k	-40.99	(-20.99)	15.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:49:40 PM Oct 14, 2022 Center Freq 413.000000 MHz Center Freq: 413.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS #Atten: 40 dB Ref Offset 11 dB Ref 36.0 dBm 10 dB/div Log 25.0 16.0 6.00 4.00 14.0 34.0 44.0 54.0 Relative Lim Absolute Lim Spectrum Center 413 MHz Span 120 kHz Total Power Ref 31.78 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>29.38</td><td>(-2.96)</td><td>-150.0</td><td>23.61</td><td>(-8.73)</td><td>2.350 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-29.49</td><td>(-0.57)</td><td>-11.10 k</td><td>-30.35</td><td>(-0.51)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-30.49</td><td>(-10.49)</td><td>-12.60 k</td><td>-33.61</td><td>(-13.61)</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> File <Temp.png> saved STATUS Frequency Center Freq 413.000000 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	29.38	(-2.96)	-150.0	23.61	(-8.73)	2.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-29.49	(-0.57)	-11.10 k	-30.35	(-0.51)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-30.49	(-10.49)	-12.60 k	-33.61	(-13.61)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 09:21:11 AM Oct 12, 2022 Center Freq 419.900000 MHz Center Freq: 419.900000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS #Atten: 40 dB Ref Offset 11 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 23.0 33.0 43.0 53.0 Relative Lim Absolute Lim Spectrum Center 419.9 MHz Span 120 kHz Total Power Ref 32.06 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.83</td><td>(-1.10)</td><td>-150.0</td><td>-17.29</td><td>(-50.22)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.68</td><td>(-6.53)</td><td>-12.45 k</td><td>-40.60</td><td>(-7.75)</td><td>11.75 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>-43.15 k</td><td>-38.34</td><td>(-18.34)</td><td>42.90 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> File <MASK D.state> recalled STATUS Frequency Center Freq 419.900000 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	31.83	(-1.10)	-150.0	-17.29	(-50.22)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.68	(-6.53)	-12.45 k	-40.60	(-7.75)	11.75 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.25	(-18.25)	-43.15 k	-38.34	(-18.34)	42.90 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-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 09:21:32 AM Oct 12, 2022 Center Freq 419.900000 MHz Center Freq: 419.900000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS #Atten: 40 dB Ref Offset 11 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 23.0 33.0 43.0 53.0 Relative Lim Absolute Lim Spectrum Center 419.9 MHz Span 120 kHz Total Power Ref 32.19 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak > dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.93</td><td>(-2.99)</td><td>-150.0</td><td>24.11</td><td>(-8.81)</td><td>2.350 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.36</td><td>(-2.19)</td><td>-11.10 k</td><td>-29.74</td><td>(-1.87)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-28.71</td><td>(-8.71)</td><td>-12.65 k</td><td>-33.26</td><td>(-13.26)</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> File <Temp.png> saved STATUS Frequency Center Freq 419.900000 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	29.93	(-2.99)	-150.0	24.11	(-8.81)	2.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-27.36	(-2.19)	-11.10 k	-29.74	(-1.87)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-28.71	(-8.71)	-12.65 k	-33.26	(-13.26)	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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-AWH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Hz AC SENSE: PULSE ALIGN: AUTO 02:52:51 PM Oct 14, 2022 Center Freq 416.200000 MHz Center Freq: 416.200000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 36.0 dBm 10 dB/div Log 25.0 16.0 6.00 4.00 34.0 34.0 54.0 Center 416.2 MHz Span 120 kHz Total Power Ref 31.38 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak -> dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>10.00 kHz</td><td>300.0 Hz</td><td>31.61</td><td>(-0.74)</td><td>59.88</td><td>31.19</td><td>(-1.17)</td><td>0.0</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-34.50</td><td>(-40.36)</td><td>-12.52 k</td><td>-31.80</td><td>(-37.66)</td><td>14.20 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-40.07</td><td>(-35.93)</td><td>-28.17 k</td><td>-40.10</td><td>(-35.96)</td><td>21.09 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-41.49</td><td>(-28.49)</td><td>-52.27 k</td><td>-41.92</td><td>(-28.92)</td><td>53.17 k</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 B.state> recalled STATUS Frequency Center Freq 416.200000 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	10.00 kHz	300.0 Hz	31.61	(-0.74)	59.88	31.19	(-1.17)	0.0	10.00 kHz	20.00 kHz	300.0 Hz	-34.50	(-40.36)	-12.52 k	-31.80	(-37.66)	14.20 k	20.00 kHz	50.00 kHz	300.0 Hz	-40.07	(-35.93)	-28.17 k	-40.10	(-35.96)	21.09 k	50.00 kHz	60.00 kHz	300.0 Hz	-41.49	(-28.49)	-52.27 k	-41.92	(-28.92)	53.17 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-AWH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Hz AC SENSE: PULSE ALIGN: AUTO 02:53:40 PM Oct 14, 2022 Center Freq 416.200000 MHz Center Freq: 416.200000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 36.0 dBm 10 dB/div Log 25.0 16.0 6.00 4.00 34.0 34.0 54.0 Center 416.2 MHz Span 120 kHz Total Power Ref 31.28 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>10.00 kHz</td><td>300.0 Hz</td><td>26.75</td><td>(-5.61)</td><td>-2.575 k</td><td>26.78</td><td>(-5.58)</td><td>2.455 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-3.280</td><td>(-9.14)</td><td>-10.12 k</td><td>-4.232</td><td>(-10.09)</td><td>10.00 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-35.74</td><td>(-31.60)</td><td>-20.19 k</td><td>-37.16</td><td>(-33.02)</td><td>20.00 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-45.98</td><td>(-32.98)</td><td>-50.41 k</td><td>-43.54</td><td>(-30.54)</td><td>55.20 k</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 416.200000 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	10.00 kHz	300.0 Hz	26.75	(-5.61)	-2.575 k	26.78	(-5.58)	2.455 k	10.00 kHz	20.00 kHz	300.0 Hz	-3.280	(-9.14)	-10.12 k	-4.232	(-10.09)	10.00 k	20.00 kHz	50.00 kHz	300.0 Hz	-35.74	(-31.60)	-20.19 k	-37.16	(-33.02)	20.00 k	50.00 kHz	60.00 kHz	300.0 Hz	-45.98	(-32.98)	-50.41 k	-43.54	(-30.54)	55.20 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-AWH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Hz AC SENSE: PULSE ALIGN: AUTO 10:48:33 AM Oct 09, 2022 Center Freq 419.900000 MHz Center Freq: 419.900000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 23.0 23.0 53.0 Center 419.9 MHz Span 120 kHz Total Power Ref 32.19 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>< Peak -> dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>10.00 kHz</td><td>300.0 Hz</td><td>32.68</td><td>(-0.33)</td><td>-718.6</td><td>32.80</td><td>(-0.21)</td><td>479.0</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-33.25</td><td>(-39.76)</td><td>-10.66 k</td><td>-33.72</td><td>(-40.23)</td><td>14.80 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-37.36</td><td>(-33.87)</td><td>-36.14 k</td><td>-34.05</td><td>(-30.56)</td><td>42.31 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-42.97</td><td>(-29.97)</td><td>-56.22 k</td><td>-40.79</td><td>(-27.79)</td><td>54.54 k</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 B.state> recalled STATUS Frequency Center Freq 419.900000 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	10.00 kHz	300.0 Hz	32.68	(-0.33)	-718.6	32.80	(-0.21)	479.0	10.00 kHz	20.00 kHz	300.0 Hz	-33.25	(-39.76)	-10.66 k	-33.72	(-40.23)	14.80 k	20.00 kHz	50.00 kHz	300.0 Hz	-37.36	(-33.87)	-36.14 k	-34.05	(-30.56)	42.31 k	50.00 kHz	60.00 kHz	300.0 Hz	-42.97	(-29.97)	-56.22 k	-40.79	(-27.79)	54.54 k	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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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-AWH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF50 QACSENSE-PULSE1ALIGN AUTO10:49:22 a.mOct09, 2022 Center Freq 419.900000 MHzCenter Freq: 419.900000 MHzRadio Std: None PASSTrig: Free RunAvg: 100.00% of 10Radio Device: BTS IF Gain: LowAtten: 40 dB Ref Offset 11 dBRef 37.0 dBm 10 dB/div Log 27.0 17.0 7.0 0.0 -13.0 -23.0 -33.0 -43.0 -53.0 Relative Limit Absolute Limit Spectrum Center 419.9 MHzSpan 120 kHz Total Power Ref31.86 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>10.00 kHz</td><td>300.0 Hz</td><td>25.70</td><td>(-7.31)</td><td>-2.036 k</td><td>25.57</td><td>(-7.43)</td><td>1.737 k</td></tr><tr><td>10.00 kHz</td><td>20.00 kHz</td><td>300.0 Hz</td><td>-8.074</td><td>(-14.58)</td><td>-10.66 k</td><td>-8.589</td><td>(-15.10)</td><td>10.42 k</td></tr><tr><td>20.00 kHz</td><td>50.00 kHz</td><td>300.0 Hz</td><td>-37.95</td><td>(-34.46)</td><td>-22.29 k</td><td>-37.24</td><td>(-33.75)</td><td>20.43 k</td></tr><tr><td>50.00 kHz</td><td>60.00 kHz</td><td>300.0 Hz</td><td>-45.96</td><td>(-32.96)</td><td>-56.82 k</td><td>-45.76</td><td>(-32.76)</td><td>54.30 k</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> savedSTATUS Frequency Center Freq419.900000 MHz CF Step12.000 kHzMan Auto Freq Offset0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	10.00 kHz	300.0 Hz	25.70	(-7.31)	-2.036 k	25.57	(-7.43)	1.737 k	10.00 kHz	20.00 kHz	300.0 Hz	-8.074	(-14.58)	-10.66 k	-8.589	(-15.10)	10.42 k	20.00 kHz	50.00 kHz	300.0 Hz	-37.95	(-34.46)	-22.29 k	-37.24	(-33.75)	20.43 k	50.00 kHz	60.00 kHz	300.0 Hz	-45.96	(-32.96)	-56.82 k	-45.76	(-32.76)	54.30 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	FSK	CH _L	MultViewSpectrum Ref Level 40.00 dBmOffset 39.0 dBSWI 41.9 ms (~56 ms)BW 100 HzVBW 300 HzMode Auto FFT 1 Frequency Sweep Limit CheckPASSLine MASK-DPASSPASS CF 406.2 MHz1001 pts12.0 kHz/Span 120.0 kHz Measuring...13.10.2022 09:27:52 10.50 dB 25.0 MHz M1[1]406.199880 MHz																																																															
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Appendix C:Emission Mask

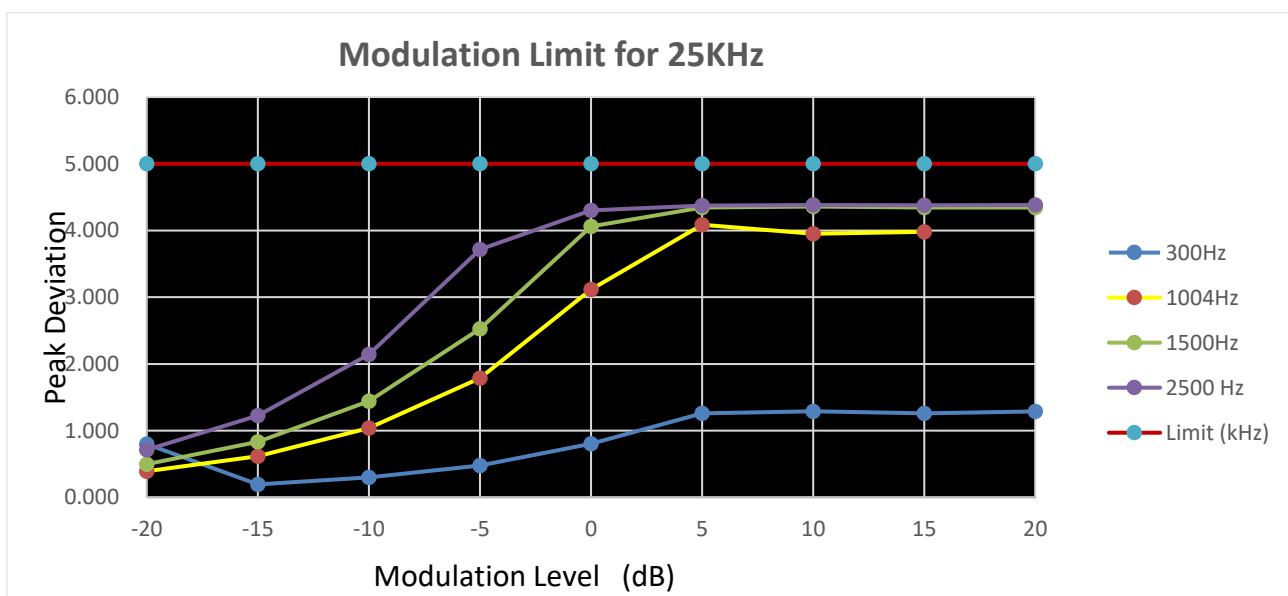
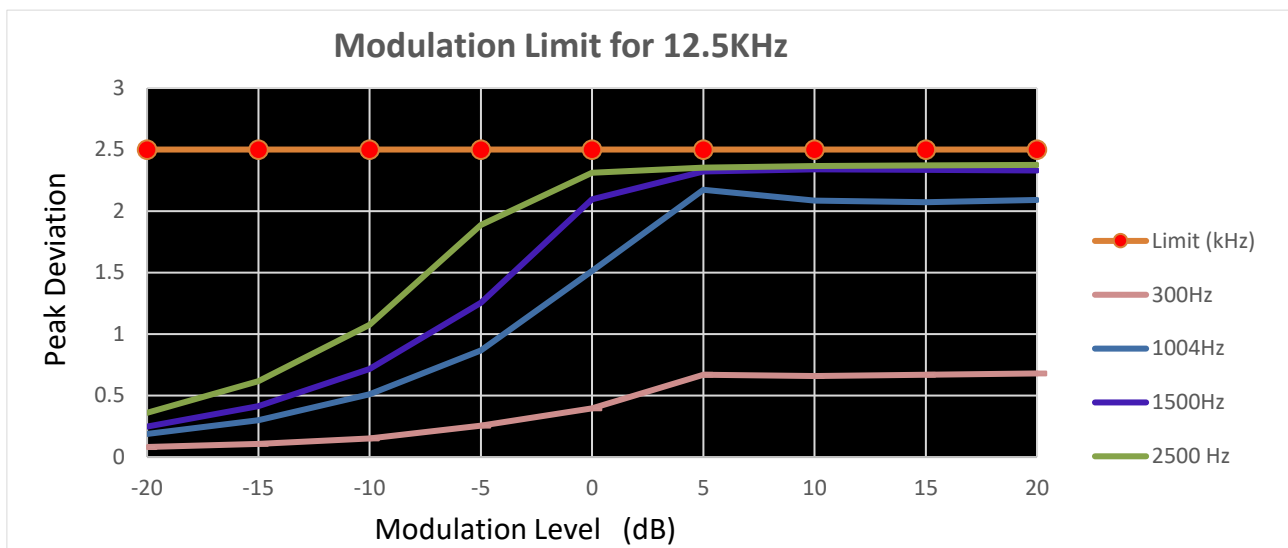
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	FSK	CH _H	
TX-DWH	FSK	CH _L	
TX-DWH	FSK	CH _H	

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 _M	-20	0.112	0.238	0.268	0.370	2.5	PASS
TX-ANH	FM	CH _M	-15	0.137	0.349	0.435	0.627	2.5	PASS
TX-ANH	FM	CH _M	-10	0.182	0.561	0.737	1.085	2.5	PASS
TX-ANH	FM	CH _M	-5	0.286	0.918	1.275	1.898	2.5	PASS
TX-ANH	FM	CH _M	0	0.426	1.563	2.115	2.321	2.5	PASS
TX-ANH	FM	CH _M	5	0.700	2.223	2.342	2.363	2.5	PASS
TX-ANH	FM	CH _M	10	0.689	2.136	2.359	2.375	2.5	PASS
TX-ANH	FM	CH _M	15	0.700	2.121	2.355	2.380	2.5	PASS
TX-ANH	FM	CH _M	20	0.710	2.139	2.350	2.385	2.5	PASS
TX-AWH	FM	CH _H	-20	0.800	0.392	0.498	0.713	5	PASS
TX-AWH	FM	CH _H	-15	0.194	0.618	0.831	1.227	5	PASS
TX-AWH	FM	CH _H	-10	0.300	1.039	1.440	2.142	5	PASS
TX-AWH	FM	CH _H	-5	0.478	1.787	2.526	3.716	5	PASS
TX-AWH	FM	CH _H	0	0.805	3.117	4.062	4.303	5	PASS
TX-AWH	FM	CH _H	5	1.258	4.086	4.344	4.372	5	PASS
TX-AWH	FM	CH _H	10	1.290	3.952	4.359	4.382	5	PASS
TX-AWH	FM	CH _H	15	1.260	3.979	4.345	4.377	5	PASS
TX-AWH	FM	CH _H	20	1.289	3.960	4.345	4.382	5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT



Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-32.11			PASS
TX-ANH	FM	CH _M	200	-32.06			PASS
TX-ANH	FM	CH _M	300	-12.17	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-9.02	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-6.86	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-4.75	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-3.57	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-2.30	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-1.05	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	0.00	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.12	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	2.55	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	3.67	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	4.19	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	5.33	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	5.54	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	5.61	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	5.87	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	6.39	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	6.85	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	6.96	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	6.95	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	7.25	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	7.76	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	7.44	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-32.11			PASS
TX-ANH	FM	CH _M	4000	-32.41			PASS
TX-ANH	FM	CH _M	4500	-32.34			PASS
TX-ANH	FM	CH _M	5000	-32.17			PASS

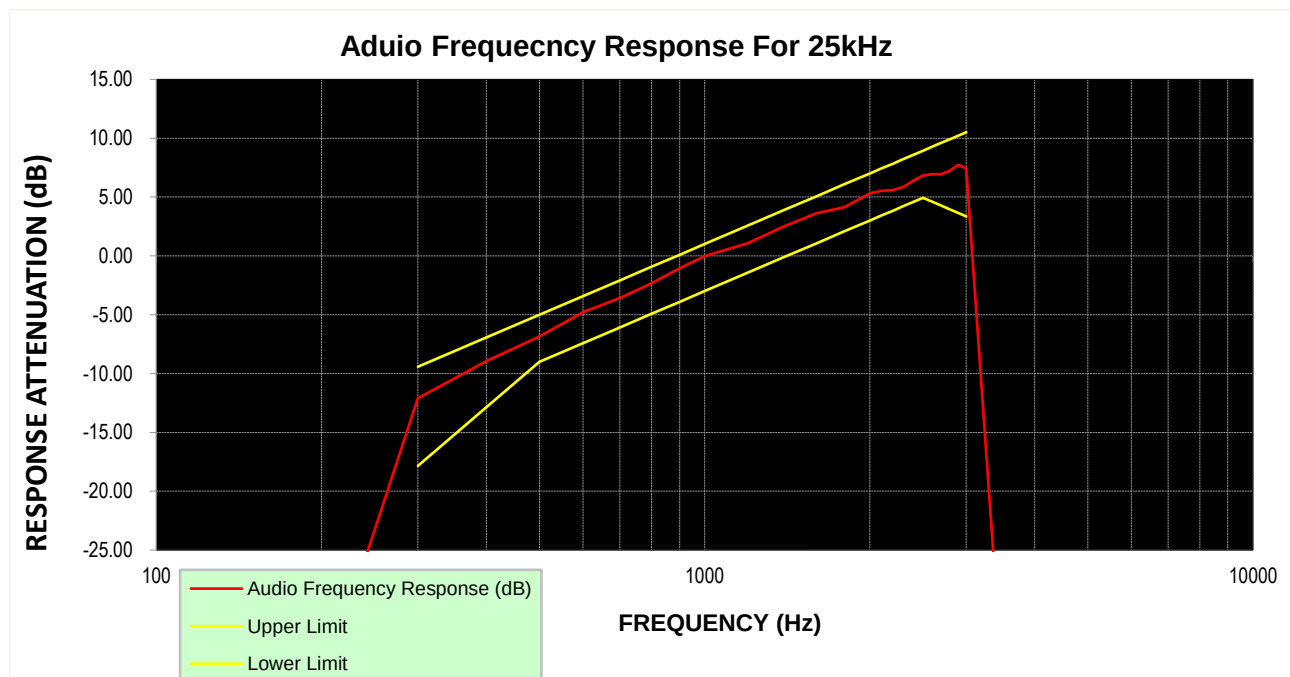
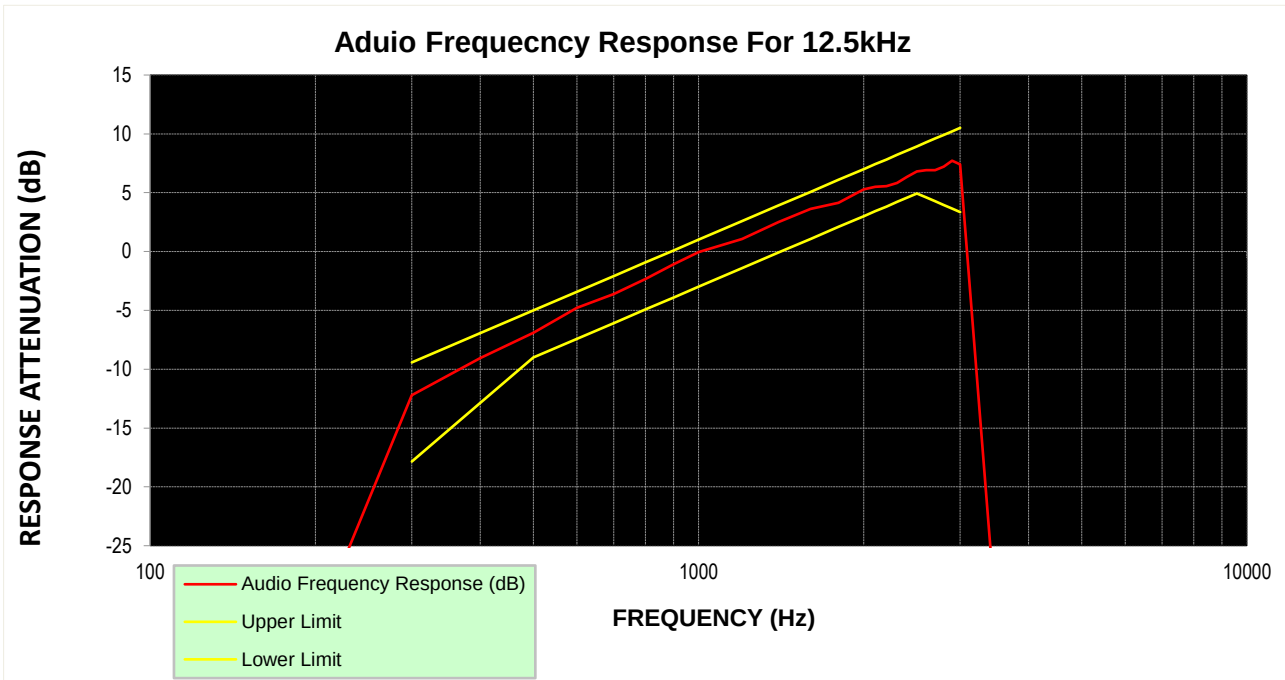
TX-AWH	FM	CH _H	100	-36.76			PASS
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Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-AWH	FM	CH _H	200	-37.05			PASS
TX-AWH	FM	CH _H	300	-12.10	-17.84	-9.42	PASS
TX-AWH	FM	CH _H	400	-8.93	-12.86	-6.93	PASS
TX-AWH	FM	CH _H	500	-6.86	-9.00	-5.00	PASS
TX-AWH	FM	CH _H	600	-4.79	-7.42	-3.42	PASS
TX-AWH	FM	CH _H	700	-3.58	-6.09	-2.09	PASS
TX-AWH	FM	CH _H	800	-2.34	-4.93	-0.93	PASS
TX-AWH	FM	CH _H	900	-1.07	-3.91	0.09	PASS
TX-AWH	FM	CH _H	1000	-0.02	-3.00	1.00	PASS
TX-AWH	FM	CH _H	1200	1.10	-1.42	2.58	PASS
TX-AWH	FM	CH _H	1400	2.53	-0.09	3.91	PASS
TX-AWH	FM	CH _H	1600	3.61	1.07	5.07	PASS
TX-AWH	FM	CH _H	1800	4.15	2.09	6.09	PASS
TX-AWH	FM	CH _H	2000	5.30	3.00	7.00	PASS
TX-AWH	FM	CH _H	2100	5.53	3.42	7.42	PASS
TX-AWH	FM	CH _H	2200	5.59	3.83	7.83	PASS
TX-AWH	FM	CH _H	2300	5.86	4.21	8.21	PASS
TX-AWH	FM	CH _H	2400	6.38	4.58	8.58	PASS
TX-AWH	FM	CH _H	2500	6.84	4.93	8.93	PASS
TX-AWH	FM	CH _H	2600	6.94	4.59	9.27	PASS
TX-AWH	FM	CH _H	2700	6.94	4.27	9.60	PASS
TX-AWH	FM	CH _H	2800	7.25	3.95	9.91	PASS
TX-AWH	FM	CH _H	2900	7.74	3.65	10.22	PASS
TX-AWH	FM	CH _H	3000	7.42	3.35	10.51	PASS
TX-AWH	FM	CH _H	3500	-36.90			PASS
TX-AWH	FM	CH _H	4000	-37.22			PASS
TX-AWH	FM	CH _H	4500	-36.85			PASS
TX-AWH	FM	CH _H	5000	-36.93			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



Appendix F:Frequency Stability Test & Temperature

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-ANH	FM	V _N	-30	-0.287	-0.281	-0.294	±5	PASS
TX-ANH	FM	V _N	-20	-0.294	-0.295	-0.278	±5	PASS
TX-ANH	FM	V _N	-10	-0.272	-0.299	-0.279	±5	PASS
TX-ANH	FM	V _N	0	-0.292	-0.287	-0.287	±5	PASS
TX-ANH	FM	V _N	10	-0.293	-0.276	-0.281	±5	PASS
TX-ANH	FM	V _N	20	-0.270	-0.275	-0.278	±5	PASS
TX-ANH	FM	V _N	30	-0.278	-0.290	-0.287	±5	PASS
TX-ANH	FM	V _N	40	-0.286	-0.287	-0.294	±5	PASS
TX-ANH	FM	V _N	50	-0.291	-0.298	-0.301	±5	PASS
TX-AWH	FM	V _N	-30	-0.273	-	-0.281	±5	PASS
TX-AWH	FM	V _N	-20	-0.276	-	-0.276	±5	PASS
TX-AWH	FM	V _N	-10	-0.267	-	-0.267	±5	PASS
TX-AWH	FM	V _N	0	-0.265	-	-0.279	±5	PASS
TX-AWH	FM	V _N	10	-0.273	-	-0.266	±5	PASS
TX-AWH	FM	V _N	20	-0.259	-	-0.256	±5	PASS
TX-AWH	FM	V _N	30	-0.265	-	-0.259	±5	PASS
TX-AWH	FM	V _N	40	-0.275	-	-0.257	±5	PASS
TX-AWH	FM	V _N	50	-0.271	-	-0.271	±5	PASS
TX-DNH	FSK	V _N	-30	-0.283	-0.306	-0.314	±5	PASS
TX-DNH	FSK	V _N	-20	-0.291	-0.296	-0.309	±5	PASS
TX-DNH	FSK	V _N	-10	-0.268	-0.312	-0.313	±5	PASS
TX-DNH	FSK	V _N	0	-0.282	-0.317	-0.312	±5	PASS
TX-DNH	FSK	V _N	10	-0.301	-0.314	-0.309	±5	PASS
TX-DNH	FSK	V _N	20	-0.294	-0.292	-0.296	±5	PASS
TX-DNH	FSK	V _N	30	-0.283	-0.298	-0.321	±5	PASS
TX-DNH	FSK	V _N	40	-0.279	-0.310	-0.296	±5	PASS
TX-DNH	FSK	V _N	50	-0.288	-0.318	-0.303	±5	PASS
TX-DWH	FSK	V _N	-30	-0.256	-	-0.247	±5	PASS
TX-DWH	FSK	V _N	-20	-0.268	-	-0.263	±5	PASS
TX-DWH	FSK	V _N	-10	-0.271	-	-0.262	±5	PASS
TX-DWH	FSK	V _N	0	-0.258	-	-0.267	±5	PASS
TX-DWH	FSK	V _N	10	-0.251	-	-0.247	±5	PASS
TX-DWH	FSK	V _N	20	-0.247	-	-0.246	±5	PASS
TX-DWH	FSK	V _N	30	-0.271	-	-0.263	±5	PASS
TX-DWH	FSK	V _N	40	-0.265	-	-0.270	±5	PASS
TX-DWH	FSK	V _N	50	-0.255	-	-0.246	±5	PASS

Appendix G:Frequency Stability Test & Voltage

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-ANH	FM	V _N	T _N	-0.270	-0.275	-0.278	±5	PASS
TX-ANH	FM	V _L	T _N	-0.271	-0.275	-0.283	±5	PASS
TX-ANH	FM	V _H	T _N	-0.283	-0.288	-0.285	±5	PASS
TX-AWH	FM	V _N	T _N	-0.259	-	-0.256	±5	PASS
TX-AWH	FM	V _L	T _N	-0.262	-	-0.259	±5	PASS
TX-AWH	FM	V _H	T _N	-0.264	-	-0.266	±5	PASS
TX-DNH	FSK	V _N	T _N	-0.294	-0.292	-0.296	±5	PASS
TX-DNH	FSK	V _L	T _N	-0.263	-0.295	-0.297	±5	PASS
TX-DNH	FSK	V _H	T _N	-0.279	-0.304	-0.300	±5	PASS
TX-DWH	FSK	V _N	T _N	-0.247	-	-0.246	±5	PASS
TX-DWH	FSK	V _L	T _N	-0.250	-	-0.249	±5	PASS
TX-DWH	FSK	V _H	T _N	-0.260	-	-0.252	±5	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 25 kHz Freq 413.0 MHz TRG:IFX(17MHz) YIG Bypass 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 1001 pts 10.0 ms/ CF 413.0 MHz 4 Result Summary Carrier Power 28.10 dBm Carrier Offset -139.46 Hz FM +Peak -Peak +Peak/2 RMS 12.794 kHz -24.701 kHz 18.748 kHz 2.7598 kHz Mod. Freq. SINAD THD Analogue Demod. Waiting for Trigger... Measuring... 14.10.2022 13:38:32 Date: 14.OCT.2022 13:38:32
TX-ANH	FM	CH _M	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 25 kHz Freq 413.0 MHz TRG:IFX(17MHz) YIG Bypass 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 1001 pts 10.0 ms/ CF 413.0 MHz 4 Result Summary Carrier Power 28.08 dBm Carrier Offset -142.58 Hz FM +Peak -Peak +Peak/2 RMS 12.476 kHz -21.612 kHz 17.044 kHz 2.7816 kHz Mod. Freq. SINAD THD Analogue Demod. Waiting for Trigger... Measuring... 14.10.2022 13:40:22 Date: 14.OCT.2022 13:40:22
TX-DNH	FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 25 kHz Freq 413.0 MHz TRG:IFX(17MHz) YIG Bypass 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 1001 pts 10.0 ms/ CF 413.0 MHz 4 Result Summary Carrier Power 28.11 dBm Carrier Offset -141.27 Hz FM +Peak -Peak +Peak/2 RMS 21.466 kHz -24.355 kHz 22.91 kHz 2.8185 kHz Mod. Freq. SINAD THD Analogue Demod. Waiting for Trigger... Measuring... 14.10.2022 13:39:34 Date: 14.OCT.2022 13:39:35

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	FSK	CH _M	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 25 kHz Freq 413.0 MHz TRG:IFX(17MHz) YIG Bypass 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 1001 pts 10.0 ms/ CF 413.0 MHz 4 Result Summary Carrier Power 28.07 dBm Carrier Offset -144.96 Hz Mod. Freq. SINAD THD FM +Peak 12.82 kHz Peak -20.152 kHz +Peak/2 16.486 kHz RMS 2.7758 kHz Analogue Demod. Waiting for Trigger... Measuring... 14.10.2022 13:40:50 Date: 14.OCT.2022 13:40:51
TX-DWH	FSK	CH _H	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 50 kHz Freq 419.9 MHz TRG:IFX(17MHz) YIG Bypass FM Time Domain 25 kHz 18.75 kHz 12.5 kHz 6.25 kHz 0 Hz -6.25 kHz -12.5 kHz -18.75 kHz -25 kHz 1001 pts 10.0 ms/ CF 419.9 MHz 4 Result Summary Carrier Power 28.49 dBm Carrier Offset -146.49 Hz Mod. Freq. SINAD THD FM +Peak 54.796 kHz Peak -26.533 kHz +Peak/2 40.665 kHz RMS 5.5836 kHz Analogue Demod. Waiting for Trigger... Measuring... 14.10.2022 13:45:45 Date: 14.OCT.2022 13:45:45
TX-DWH	FSK	CH _H	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 50 kHz Freq 419.9 MHz TRG:IFX(17MHz) YIG Bypass FM Time Domain 25 kHz 18.75 kHz 12.5 kHz 6.25 kHz 0 Hz -6.25 kHz -12.5 kHz -18.75 kHz -25 kHz 1001 pts 10.0 ms/ CF 419.9 MHz 4 Result Summary Carrier Power 28.45 dBm Carrier Offset -145.97 Hz Mod. Freq. SINAD THD FM +Peak 26.305 kHz Peak -27.593 kHz +Peak/2 26.949 kHz RMS 17.465 kHz Analogue Demod. Waiting for Trigger... Measuring... 14.10.2022 13:46:39 Date: 14.OCT.2022 13:46:39

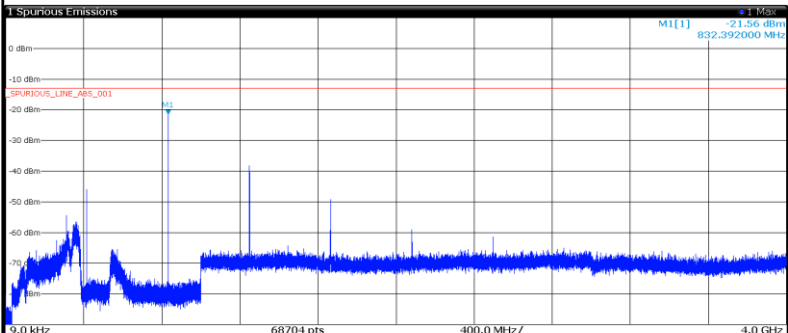
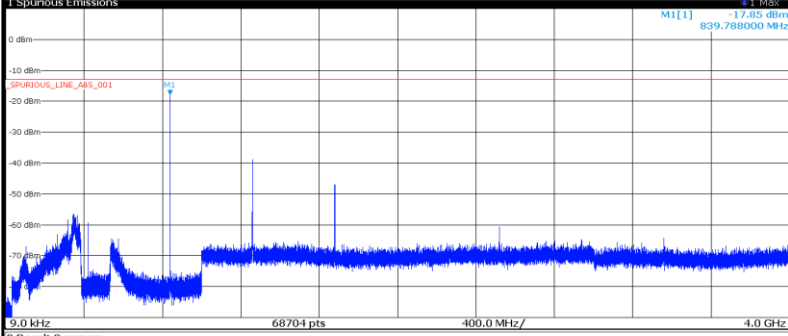
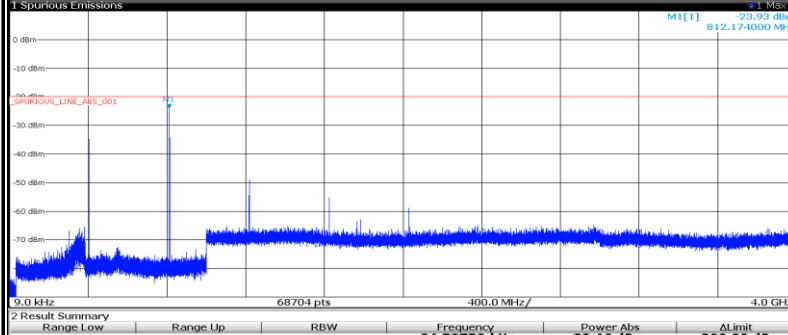
Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-AWH	FM	CH _H	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 50 kHz Freq 419.9 MHz TRG:IFX(17MHz) YIG Bypass 1 FM Time Domain CF 419.9 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 28.47 dBmCarrier Offset -147.97 Hz FM36.263 kHz-26.489 kHz31.376 kHz17.526 kHz1.0124 kHz---THD--- Analog Demod: Waiting for Trigger...Measuring...14.10.2022 13:44:37 Date: 14.OCT.2022 13:44:37
TX-AWH	FM	CH _H	MultiViewSpectrumAnalog Demod Ref Level 43.00 dBm Offset 27.00 dB Att 26 dB AQT 100 ms DBW 50 kHz Freq 419.9 MHz TRG:IFX(17MHz) YIG Bypass 1 FM Time Domain CF 419.9 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 28.45 dBmCarrier Offset -148.82 Hz FM49.653 kHz-30.625 kHz40.139 kHz5.5378 kHz---THD--- Analog Demod: Waiting for Trigger...Measuring...14.10.2022 13:46:19 Date: 14.OCT.2022 13:46:19

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -23.74 dBm 812.387000 MHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm SPURIOUS_LINE_ABS_001 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 0.0 kHz 68704 pts 400.0 MHz/ 4.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>11.51427 kHz</td><td>-88.17 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-81.07 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>812.38664 MHz</td><td>-23.74 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>4.000 GHz</td><td>1.000 MHz</td><td>1.21857 GHz</td><td>-49.87 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 12.10.2022 10:54:11 Date: 12.OCT.2022 10:54:12	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	9.000 kHz	150.000 kHz	1.000 kHz	11.51427 kHz	-88.17 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-81.07 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	812.38664 MHz	-23.74 dBm	-200.00 dB	1.000 GHz	4.000 GHz	1.000 MHz	1.21857 GHz	-49.87 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																												
9.000 kHz	150.000 kHz	1.000 kHz	11.51427 kHz	-88.17 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-81.07 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	812.38664 MHz	-23.74 dBm	-200.00 dB																												
1.000 GHz	4.000 GHz	1.000 MHz	1.21857 GHz	-49.87 dBm	-200.00 dB																												
TX-ANH	FM	CH _M	MultiViewSpectrum Ref Level 10.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -27.92 dBm 825.997000 MHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm SPURIOUS_LINE_ABS_001 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 0.0 kHz 68704 pts 400.0 MHz/ 4.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>14.12910 kHz</td><td>-91.47 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-79.68 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>825.99653 MHz</td><td>-27.92 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>4.000 GHz</td><td>1.000 MHz</td><td>1.23691 GHz</td><td>-40.44 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 14.10.2022 16:31:24 Date: 14.OCT.2022 16:31:24	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	9.000 kHz	150.000 kHz	1.000 kHz	14.12910 kHz	-91.47 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-79.68 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	825.99653 MHz	-27.92 dBm	-200.00 dB	1.000 GHz	4.000 GHz	1.000 MHz	1.23691 GHz	-40.44 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																												
9.000 kHz	150.000 kHz	1.000 kHz	14.12910 kHz	-91.47 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-79.68 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	825.99653 MHz	-27.92 dBm	-200.00 dB																												
1.000 GHz	4.000 GHz	1.000 MHz	1.23691 GHz	-40.44 dBm	-200.00 dB																												
TX-ANH	FM	CH _H	MultiViewSpectrum Ref Level 10.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -24.72 dBm 839.788000 MHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm SPURIOUS_LINE_ABS_001 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 0.0 kHz 68704 pts 400.0 MHz/ 4.0 GHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>25.19187 kHz</td><td>-89.58 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-80.54 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>839.78829 MHz</td><td>-24.72 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>4.000 GHz</td><td>1.000 MHz</td><td>1.25963 GHz</td><td>-46.27 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 12.10.2022 10:56:24 Date: 12.OCT.2022 10:56:25	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	9.000 kHz	150.000 kHz	1.000 kHz	25.19187 kHz	-89.58 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-80.54 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	839.78829 MHz	-24.72 dBm	-200.00 dB	1.000 GHz	4.000 GHz	1.000 MHz	1.25963 GHz	-46.27 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																												
9.000 kHz	150.000 kHz	1.000 kHz	25.19187 kHz	-89.58 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-80.54 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	839.78829 MHz	-24.72 dBm	-200.00 dB																												
1.000 GHz	4.000 GHz	1.000 MHz	1.25963 GHz	-46.27 dBm	-200.00 dB																												

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-AWH	FM	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -21.56 dBm 832.392000 MHz  2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>9.70399 kHz</td><td>-90.69 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-80.27 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>832.39227 MHz</td><td>-21.56 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>4.000 GHz</td><td>1.000 MHz</td><td>1.24848 GHz</td><td>-38.29 dBm</td><td>-200.00 dB</td></tr></table> Date: 14.OCT.2022 14:46:05 Measuring... 14:46:05	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	9.70399 kHz	-90.69 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-80.27 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	832.39227 MHz	-21.56 dBm	-200.00 dB	1.000 GHz	4.000 GHz	1.000 MHz	1.24848 GHz	-38.29 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	9.70399 kHz	-90.69 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-80.27 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	832.39227 MHz	-21.56 dBm	-200.00 dB																												
1.000 GHz	4.000 GHz	1.000 MHz	1.24848 GHz	-38.29 dBm	-200.00 dB																												
TX-AWH	FM	CH _H	MultiViewSpectrum Ref Level 10.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -17.85 dBm 839.788000 MHz  2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>9.50285 kHz</td><td>-90.08 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>288.02174 kHz</td><td>-80.33 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>839.78829 MHz</td><td>-17.85 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>4.000 GHz</td><td>1.000 MHz</td><td>1.25963 GHz</td><td>-38.76 dBm</td><td>-200.00 dB</td></tr></table> Date: 9.OCT.2022 13:20:43 Measuring... 09:10:2022 13:20:42	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	9.50285 kHz	-90.08 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	288.02174 kHz	-80.33 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	839.78829 MHz	-17.85 dBm	-200.00 dB	1.000 GHz	4.000 GHz	1.000 MHz	1.25963 GHz	-38.76 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	9.50285 kHz	-90.08 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	288.02174 kHz	-80.33 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	839.78829 MHz	-17.85 dBm	-200.00 dB																												
1.000 GHz	4.000 GHz	1.000 MHz	1.25963 GHz	-38.76 dBm	-200.00 dB																												
TX-DNH	FSK	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 0.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -23.93 dBm 812.174000 MHz  2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Alimit</th></tr><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>24.38730 kHz</td><td>-89.46 dBm</td><td>-200.00 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-80.57 dBm</td><td>-200.00 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>812.17446 MHz</td><td>-23.93 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>4.000 GHz</td><td>1.000 MHz</td><td>1.21829 GHz</td><td>-49.14 dBm</td><td>-200.00 dB</td></tr></table> Date: 13.OCT.2022 09:46:46 Measuring... 13.10.2022 09:46:46	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.38730 kHz	-89.46 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-80.57 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	812.17446 MHz	-23.93 dBm	-200.00 dB	1.000 GHz	4.000 GHz	1.000 MHz	1.21829 GHz	-49.14 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	24.38730 kHz	-89.46 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-80.57 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	812.17446 MHz	-23.93 dBm	-200.00 dB																												
1.000 GHz	4.000 GHz	1.000 MHz	1.21829 GHz	-49.14 dBm	-200.00 dB																												

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	FSK	CH _M	</

Appendix I:Spurious Emission On Antenna Port

