

Project No.	SHT2205110601EW		
Test sample No.	YPHT22051106003	Model No.	RM01
Start test date	2022/6/1	Finish date	2022/6/6
Temperature	24.1°C	Humidity	54%
Test Engineer	<i>Casper Chen</i>	Auditor	<i>Xiaodong Zhu</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	Audio Low Pass Filter Response	PASS
G	Frequency Stability Test & Temperature	PASS
H	Frequency Stability Test & Voltage	PASS
I	Spurious Emission On Antenna Port	PASS



**Appendix A:Maximum Transmitter Power**

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Limit	Result
TX-AWH	FM	CH <sub>L</sub>	34.85	3.05	5	PASS
TX-AWH	FM	CH <sub>M</sub>	34.82	3.03	5	PASS
TX-AWH	FM	CH <sub>H</sub>	34.90	3.09	5	PASS
TX-AWL	FM	CH <sub>L</sub>	29.92	0.98	1	PASS
TX-AWL	FM	CH <sub>M</sub>	29.78	0.95	1	PASS
TX-AWL	FM	CH <sub>H</sub>	29.70	0.93	1	PASS

**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-AWH	FM	CH <sub>L</sub>	10.700	15.58	≤20	PASS
TX-AWH	FM	CH <sub>M</sub>	10.700	15.58	≤20	PASS
TX-AWH	FM	CH <sub>H</sub>	10.698	15.58	≤20	PASS
TX-AWL	FM	CH <sub>L</sub>	10.707	15.58	≤20	PASS
TX-AWL	FM	CH <sub>M</sub>	10.698	15.58	≤20	PASS
TX-AWL	FM	CH <sub>H</sub>	10.706	15.59	≤20	PASS

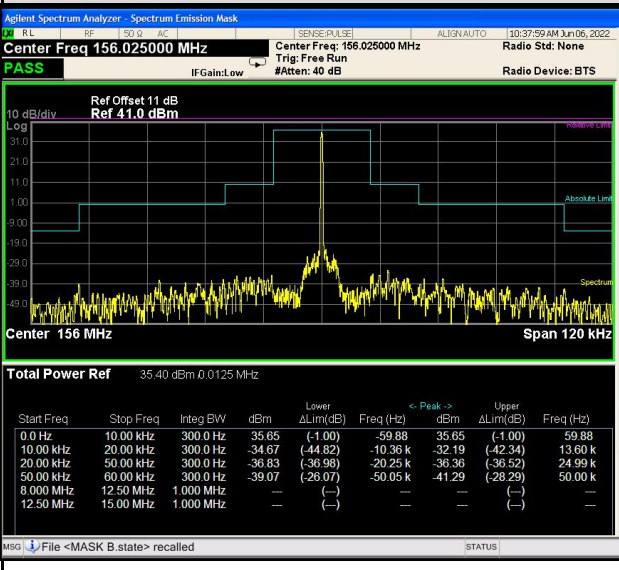
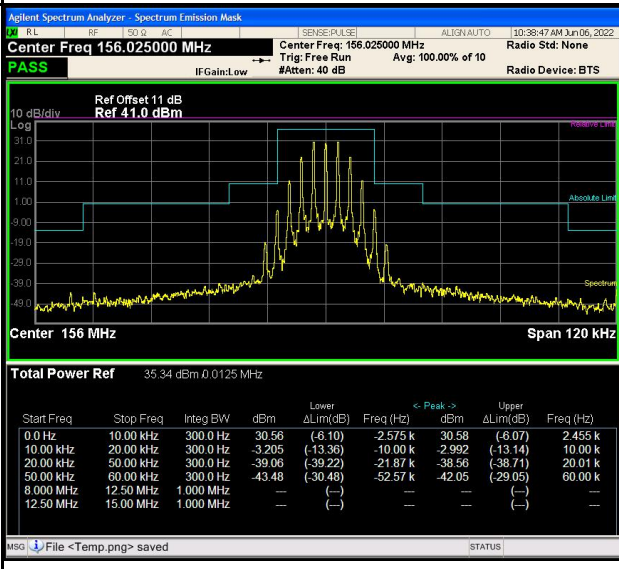
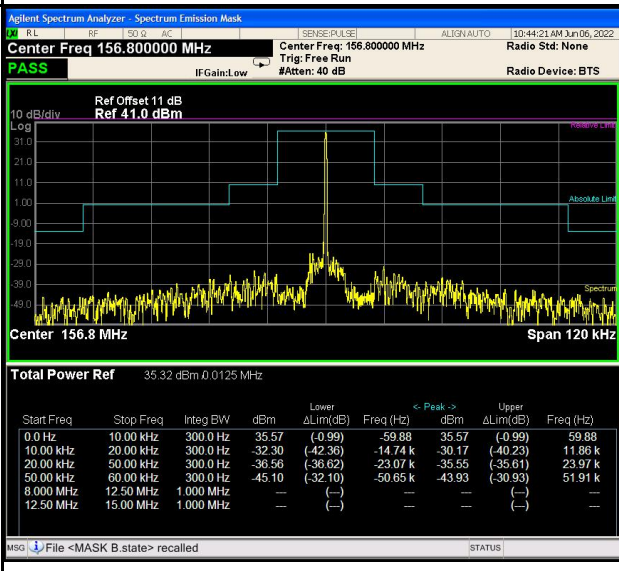
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-AWH	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Occupied BW          Center Freq: 156.025000 MHz          Center Freq: 156.025000 MHz          Trig: Free Run          #Atten: 40 dB          Avg Hold&gt;:10/10          Radio Std: None          Radio Device: BTS</p> <p>10 dB/div Ref 39.13 dBm          Log          29.1          19.1          9.13          -0.87          -10.9          -20.9          -30.9          -40.9          -50.9</p> <p>Center 156 MHz Span 50 kHz          #Res BW 300 Hz #VBW 1 kHz Sweep 527.2 ms</p> <p>Occupied Bandwidth 10.700 kHz Total Power 36.2 dBm          Transmit Freq Error -17 Hz OBW Power 99.00 %          x dB Bandwidth 15.58 kHz x dB -26.00 dB</p> <p>Frequency 156.025000 MHz          CF Step 5.000 kHz          Freq Offset 0 Hz</p>
TX-AWH	FM	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Occupied BW          Center Freq: 156.800000 MHz          Center Freq: 156.800000 MHz          Trig: Free Run          #Atten: 40 dB          Avg Hold&gt;:10/10          Radio Std: None          Radio Device: BTS</p> <p>10 dB/div Ref 39.10 dBm          Log          29.1          19.1          9.10          -0.90          -10.9          -20.9          -30.9          -40.9          -50.9</p> <p>Center 156.8 MHz Span 50 kHz          #Res BW 300 Hz #VBW 1 kHz Sweep 527.2 ms</p> <p>Occupied Bandwidth 10.700 kHz Total Power 36.2 dBm          Transmit Freq Error -19 Hz OBW Power 99.00 %          x dB Bandwidth 15.58 kHz x dB -26.00 dB</p> <p>Frequency 156.800000 MHz          CF Step 5.000 kHz          Freq Offset 0 Hz</p>
TX-AWH	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW          Center Freq: 157.425000 MHz          Center Freq: 157.425000 MHz          Trig: Free Run          #Atten: 40 dB          Avg Hold&gt;:10/10          Radio Std: None          Radio Device: BTS</p> <p>10 dB/div Ref 39.12 dBm          Log          29.1          19.1          9.12          -0.88          -10.9          -20.9          -30.9          -40.9          -50.9</p> <p>Center 157.4 MHz Span 50 kHz          #Res BW 300 Hz #VBW 1 kHz Sweep 527.2 ms</p> <p>Occupied Bandwidth 10.697 kHz Total Power 36.2 dBm          Transmit Freq Error -26 Hz OBW Power 99.00 %          x dB Bandwidth 15.59 kHz x dB -26.00 dB</p> <p>Frequency 157.425000 MHz          CF Step 5.000 kHz          Freq Offset 0 Hz</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-AWL	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 156.025000 MHz    Center Freq: 156.025000 MHz    Radio Std: None</p> <p>#IFGain:Low    #Atten: 36 dB    Avg Hold&gt; 10/10    Radio Device: BTS</p> <p>10 dB/div    Ref 34.99 dBm</p> <p>Center 156 MHz    Span 50 kHz</p> <p>#Res BW 300 Hz    #VBW 1 kHz    Sweep 527.2 ms</p> <p>Occupied Bandwidth    Total Power    32.1 dBm</p> <p>10.707 kHz</p> <p>Transmit Freq Error    -11 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    15.58 kHz    x dB    -26.00 dB</p>
TX-AWL	FM	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 156.800000 MHz    Center Freq: 156.800000 MHz    Radio Std: None</p> <p>#IFGain:Low    #Atten: 36 dB    Avg Hold&gt; 10/10    Radio Device: BTS</p> <p>10 dB/div    Ref 34.85 dBm</p> <p>Center 156.8 MHz    Span 50 kHz</p> <p>#Res BW 300 Hz    #VBW 1 kHz    Sweep 527.2 ms</p> <p>Occupied Bandwidth    Total Power    32.0 dBm</p> <p>10.698 kHz</p> <p>Transmit Freq Error    -21 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    15.58 kHz    x dB    -26.00 dB</p>
TX-AWL	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 157.425000 MHz    Center Freq: 157.425000 MHz    Radio Std: None</p> <p>#IFGain:Low    #Atten: 36 dB    Avg Hold&gt; 10/10    Radio Device: BTS</p> <p>10 dB/div    Ref 34.76 dBm</p> <p>Center 157.4 MHz    Span 50 kHz</p> <p>#Res BW 300 Hz    #VBW 1 kHz    Sweep 527.2 ms</p> <p>Occupied Bandwidth    Total Power    31.9 dBm</p> <p>10.706 kHz</p> <p>Transmit Freq Error    -20 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    15.59 kHz    x dB    -26.00 dB</p>

Appendix C:Emission Mask

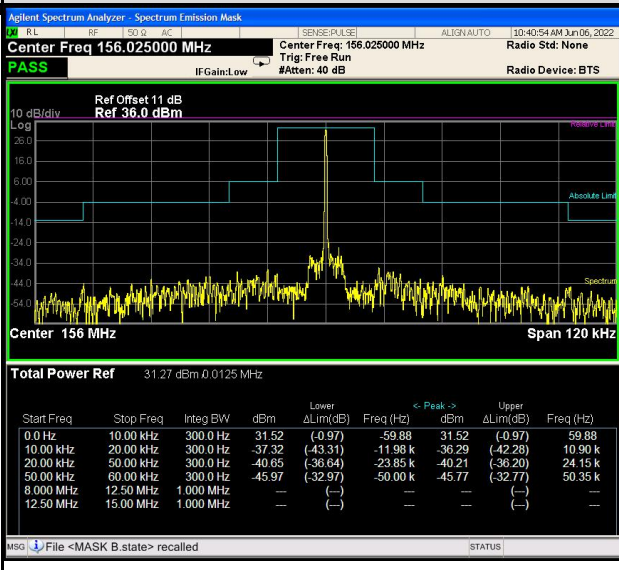
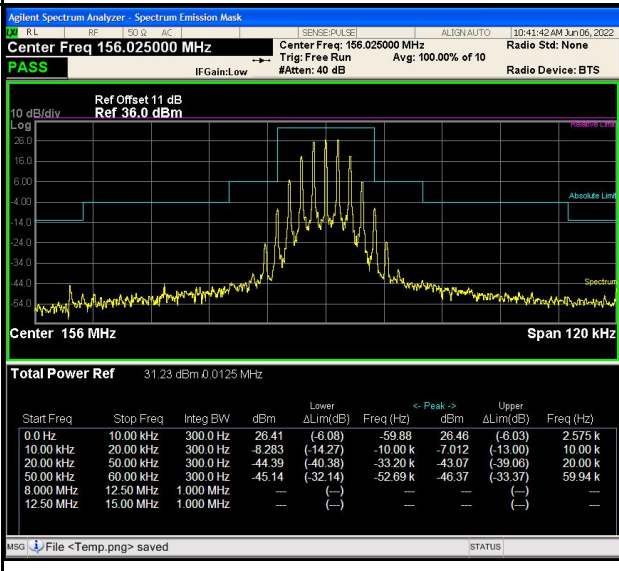
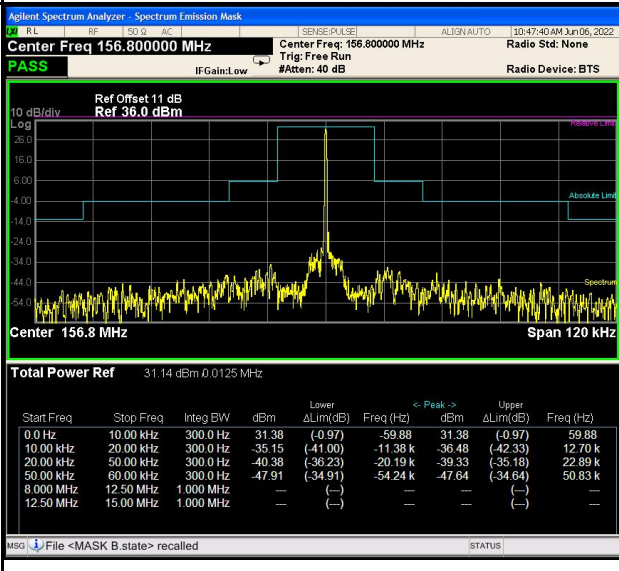
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TX-AWH	FM	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 156.025000 MHz</p> <p>Trig: Free Run</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 11 dB</p> <p>Ref 41.0 dBm</p> <p>Center 156 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 35.40 dBm @ 0.125 MHz</p> <table border="1"> <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>35.65</td> <td>(-1.00)</td> <td>-59.88</td> <td>35.65</td> <td>(-1.00)</td> <td>59.88</td> </tr> <tr> <td>10.00 kHz</td> <td>20.00 kHz</td> <td>300.0 Hz</td> <td>-34.67</td> <td>(-44.82)</td> <td>-10.36 k</td> <td>-32.19</td> <td>(-42.34)</td> <td>13.60 k</td> </tr> <tr> <td>20.00 kHz</td> <td>50.00 kHz</td> <td>300.0 Hz</td> <td>-36.83</td> <td>(-36.98)</td> <td>-20.25 k</td> <td>-36.36</td> <td>(-36.52)</td> <td>24.99 k</td> </tr> <tr> <td>50.00 kHz</td> <td>60.00 kHz</td> <td>300.0 Hz</td> <td>-39.07</td> <td>(-)</td> <td>-50.05 k</td> <td>-41.29</td> <td>(-28.29)</td> <td>50.00 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>	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	35.65	(-1.00)	-59.88	35.65	(-1.00)	59.88	10.00 kHz	20.00 kHz	300.0 Hz	-34.67	(-44.82)	-10.36 k	-32.19	(-42.34)	13.60 k	20.00 kHz	50.00 kHz	300.0 Hz	-36.83	(-36.98)	-20.25 k	-36.36	(-36.52)	24.99 k	50.00 kHz	60.00 kHz	300.0 Hz	-39.07	(-)	-50.05 k	-41.29	(-28.29)	50.00 k	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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-AWL	FM	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 156.800000 MHz</p> <p>Ref Offset 11 dB Ref 36.0 dBm</p> <p>Total Power Ref 31.10 dBm @ 0.125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Upper ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Peak dBm</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>10.00 kHz</td> <td>300.0 Hz</td> <td>26.36</td> <td>(-5.99)</td> <td>26.34</td> <td>2.455 k</td> <td>(-6.01)</td> </tr> <tr> <td>10.00 kHz</td> <td>20.00 kHz</td> <td>300.0 Hz</td> <td>-7.203</td> <td>(-13.05)</td> <td>-10.00 k</td> <td>-7.314</td> <td>(-13.17)</td> </tr> <tr> <td>20.00 kHz</td> <td>50.00 kHz</td> <td>300.0 Hz</td> <td>-44.18</td> <td>(-40.03)</td> <td>-22.35 k</td> <td>-43.26</td> <td>(-39.11)</td> </tr> <tr> <td>50.00 kHz</td> <td>60.00 kHz</td> <td>300.0 Hz</td> <td>-52.13</td> <td>(-)</td> <td>-51.07 k</td> <td>-51.98</td> <td>(-38.98)</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> </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> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Upper ΔLim(dB)	Peak Freq (Hz)	Peak dBm	0.0 Hz	10.00 kHz	300.0 Hz	26.36	(-5.99)	26.34	2.455 k	(-6.01)	10.00 kHz	20.00 kHz	300.0 Hz	-7.203	(-13.05)	-10.00 k	-7.314	(-13.17)	20.00 kHz	50.00 kHz	300.0 Hz	-44.18	(-40.03)	-22.35 k	-43.26	(-39.11)	50.00 kHz	60.00 kHz	300.0 Hz	-52.13	(-)	-51.07 k	-51.98	(-38.98)	8.000 MHz	12.50 MHz	1.000 MHz	(-)	(-)	(-)	(-)	(-)	12.50 MHz	15.00 MHz	1.000 MHz	(-)	(-)	(-)	(-)	(-)
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TX-AWL	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 157.425000 MHz</p> <p>Ref Offset 11 dB Ref 36.0 dBm</p> <p>Total Power Ref 31.04 dBm @ 0.125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Upper ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Peak dBm</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>10.00 kHz</td> <td>300.0 Hz</td> <td>31.28</td> <td>(-0.97)</td> <td>31.28</td> <td>(-0.97)</td> <td>50.88</td> </tr> <tr> <td>10.00 kHz</td> <td>20.00 kHz</td> <td>300.0 Hz</td> <td>-34.67</td> <td>(-40.62)</td> <td>-10.06 k</td> <td>-36.22</td> <td>(-41.97)</td> </tr> <tr> <td>20.00 kHz</td> <td>50.00 kHz</td> <td>300.0 Hz</td> <td>-40.57</td> <td>(-36.33)</td> <td>-21.03 k</td> <td>-40.09</td> <td>(-35.84)</td> </tr> <tr> <td>50.00 kHz</td> <td>60.00 kHz</td> <td>300.0 Hz</td> <td>-48.02</td> <td>(-35.02)</td> <td>-56.70 k</td> <td>-47.30</td> <td>(-34.30)</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> </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> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Upper ΔLim(dB)	Peak Freq (Hz)	Peak dBm	0.0 Hz	10.00 kHz	300.0 Hz	31.28	(-0.97)	31.28	(-0.97)	50.88	10.00 kHz	20.00 kHz	300.0 Hz	-34.67	(-40.62)	-10.06 k	-36.22	(-41.97)	20.00 kHz	50.00 kHz	300.0 Hz	-40.57	(-36.33)	-21.03 k	-40.09	(-35.84)	50.00 kHz	60.00 kHz	300.0 Hz	-48.02	(-35.02)	-56.70 k	-47.30	(-34.30)	8.000 MHz	12.50 MHz	1.000 MHz	(-)	(-)	(-)	(-)	(-)	12.50 MHz	15.00 MHz	1.000 MHz	(-)	(-)	(-)	(-)	(-)
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**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-AWH	FM	CH <sub>M</sub>	-20	0.057	0.070	0.088	0.118	5	PASS
TX-AWH	FM	CH <sub>M</sub>	-15	0.083	0.631	0.975	2.073	5	PASS
TX-AWH	FM	CH <sub>M</sub>	-10	0.373	1.027	1.673	3.470	5	PASS
TX-AWH	FM	CH <sub>M</sub>	-5	0.561	1.758	2.880	3.791	5	PASS
TX-AWH	FM	CH <sub>M</sub>	0	0.895	3.099	4.098	3.862	5	PASS
TX-AWH	FM	CH <sub>M</sub>	5	1.509	4.011	4.171	3.870	5	PASS
TX-AWH	FM	CH <sub>M</sub>	10	2.549	4.304	4.195	3.868	5	PASS
TX-AWH	FM	CH <sub>M</sub>	15	4.030	4.343	4.179	3.917	5	PASS
TX-AWH	FM	CH <sub>M</sub>	20	4.519	4.345	4.201	3.974	5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

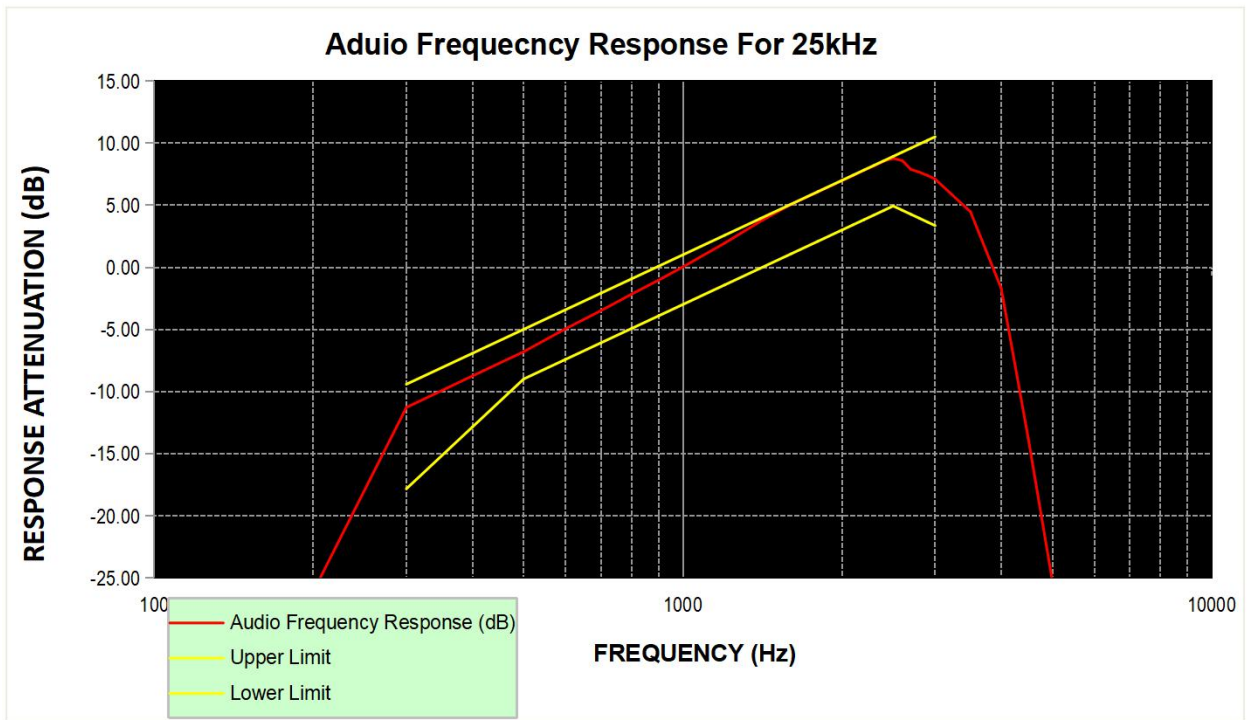


**Appendix E:Audio Frequency Response**

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-AWH	FM	CH <sub>M</sub>	100	-37.40			PASS
TX-AWH	FM	CH <sub>M</sub>	200	-26.13			PASS
TX-AWH	FM	CH <sub>M</sub>	300	-11.29	-17.84	-9.42	PASS
TX-AWH	FM	CH <sub>M</sub>	400	-8.75	-12.86	-6.93	PASS
TX-AWH	FM	CH <sub>M</sub>	500	-6.80	-9.00	-5.00	PASS
TX-AWH	FM	CH <sub>M</sub>	600	-4.95	-7.42	-3.42	PASS
TX-AWH	FM	CH <sub>M</sub>	700	-3.50	-6.09	-2.09	PASS
TX-AWH	FM	CH <sub>M</sub>	800	-2.17	-4.93	-0.93	PASS
TX-AWH	FM	CH <sub>M</sub>	900	-1.04	-3.91	0.09	PASS
TX-AWH	FM	CH <sub>M</sub>	1000	0.02	-3.00	1.00	PASS
TX-AWH	FM	CH <sub>M</sub>	1200	1.95	-1.42	2.58	PASS
TX-AWH	FM	CH <sub>M</sub>	1400	3.69	-0.09	3.91	PASS
TX-AWH	FM	CH <sub>M</sub>	1600	5.05	1.07	5.07	PASS
TX-AWH	FM	CH <sub>M</sub>	1800	6.07	2.09	6.09	PASS
TX-AWH	FM	CH <sub>M</sub>	2000	6.97	3.00	7.00	PASS
TX-AWH	FM	CH <sub>M</sub>	2100	7.39	3.42	7.42	PASS
TX-AWH	FM	CH <sub>M</sub>	2200	7.82	3.83	7.83	PASS
TX-AWH	FM	CH <sub>M</sub>	2300	8.17	4.21	8.21	PASS
TX-AWH	FM	CH <sub>M</sub>	2400	8.55	4.58	8.58	PASS
TX-AWH	FM	CH <sub>M</sub>	2500	8.77	4.93	8.93	PASS
TX-AWH	FM	CH <sub>M</sub>	2600	8.59	4.59	9.27	PASS
TX-AWH	FM	CH <sub>M</sub>	2700	7.88	4.27	9.60	PASS
TX-AWH	FM	CH <sub>M</sub>	2800	7.66	3.95	9.91	PASS
TX-AWH	FM	CH <sub>M</sub>	2900	7.40	3.65	10.22	PASS
TX-AWH	FM	CH <sub>M</sub>	3000	7.10	3.35	10.51	PASS
TX-AWH	FM	CH <sub>M</sub>	3500	4.47			PASS
TX-AWH	FM	CH <sub>M</sub>	4000	-1.69			PASS
TX-AWH	FM	CH <sub>M</sub>	4500	-13.76			PASS
TX-AWH	FM	CH <sub>M</sub>	5000	-25.30			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



**Appendix F:Audio Low Pass Filter Response**

Operation Mode	Modulation Type	Test Channel	Frequency (KHz)	dB relative to 1 KHz	Limit	Result
TX-AWH	FM	CH <sub>M</sub>	1	-13.87	0.00	PASS
TX-AWH	FM	CH <sub>M</sub>	3	-23.69	0.00	PASS
TX-AWH	FM	CH <sub>M</sub>	4	-39.37	-7.50	PASS
TX-AWH	FM	CH <sub>M</sub>	5	-51.13	-13.30	PASS
TX-AWH	FM	CH <sub>M</sub>	6	-52.47	-18.10	PASS
TX-AWH	FM	CH <sub>M</sub>	8	-53.60	-25.60	PASS
TX-AWH	FM	CH <sub>M</sub>	10	-54.58	-31.40	PASS
TX-AWH	FM	CH <sub>M</sub>	15	-54.70	-41.90	PASS
TX-AWH	FM	CH <sub>M</sub>	20	-54.86	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	30	-55.48	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	40	-55.50	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	50	-55.50	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	60	-55.51	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	70	-55.50	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	80	-55.49	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	90	-55.50	-50.00	PASS
TX-AWH	FM	CH <sub>M</sub>	100	-55.51	-50.00	PASS

**Appendix F:Audio Low Pass Filter Response**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-AWH	FM	CH <sub>M2</sub>	<p>The graph displays the audio low pass filter response for TX-AWH in FM mode on test channel CH<sub>M2</sub>. The y-axis represents the gain in dB relative to 1 KHz, ranging from -70.00 to 10.00. The x-axis represents the frequency in KHz on a logarithmic scale from 1 to 100. A red line shows the measured response, which starts at approximately -15 dB at 1 kHz, drops to -25 dB at 2 kHz, then to -50 dB at 5 kHz, and levels off around -55 dB. A yellow line shows the limit, which starts at 0 dB, remains flat until 2 kHz, then drops to -50 dB at 5 kHz and remains flat thereafter.</p>



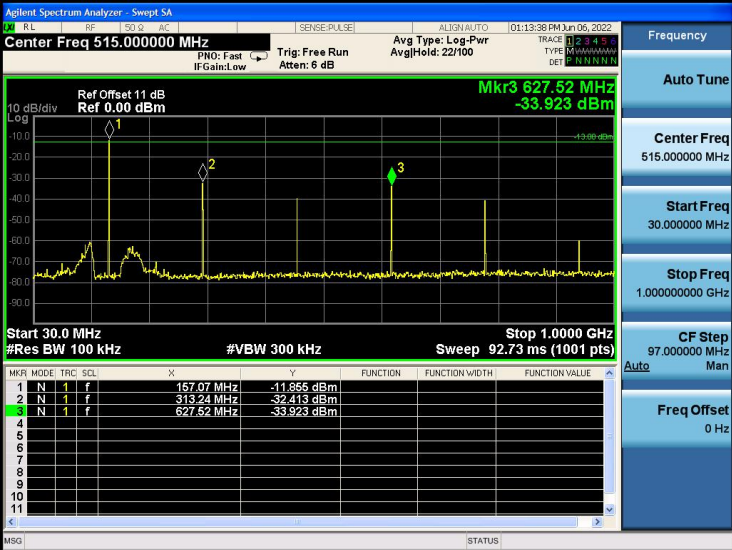
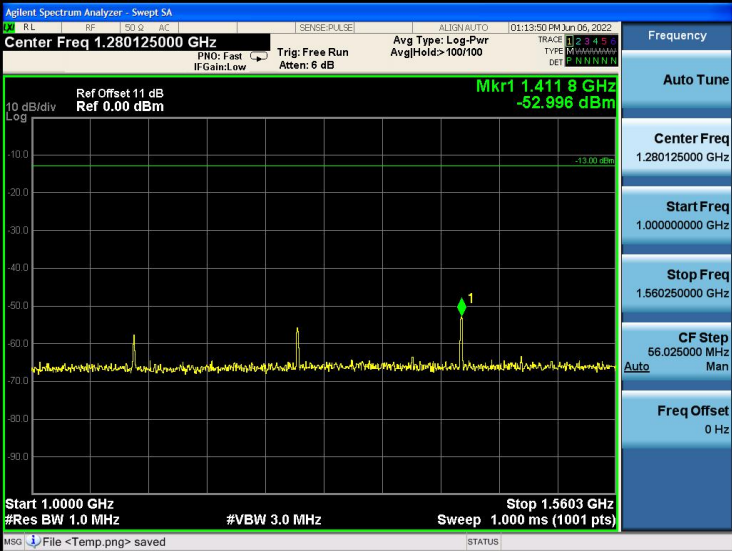
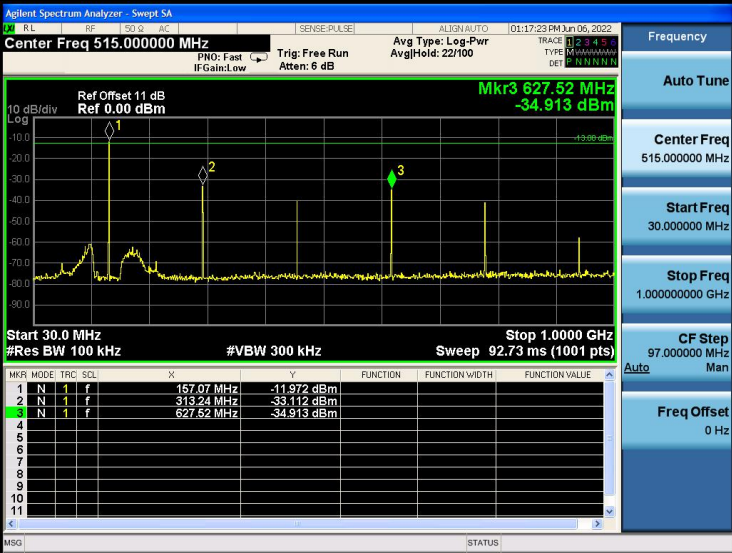
**Appendix G:Frequency Stability Test & Temperature**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH <sub>L</sub>	CH <sub>M1</sub>	CH <sub>H</sub>		
TX-AWH	FM	V <sub>N</sub>	-30	0.065	0.067	-0.021	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	-20	0.062	0.066	-0.021	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	-10	0.065	0.067	-0.021	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	0	0.063	0.071	-0.021	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	10	0.062	0.065	-0.021	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	20	0.060	0.065	-0.020	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	30	0.066	0.069	-0.020	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	40	0.064	0.069	-0.020	±5.0	PASS
TX-AWH	FM	V <sub>N</sub>	50	0.062	0.067	-0.020	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	-30	0.056	-0.050	0.049	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	-20	0.053	-0.049	0.050	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	-10	0.053	-0.048	0.051	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	0	0.058	-0.049	0.051	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	10	0.058	-0.048	0.051	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	20	0.053	-0.046	0.048	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	30	0.056	-0.046	0.051	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	40	0.054	-0.049	0.050	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	50	0.054	-0.050	0.052	±5.0	PASS

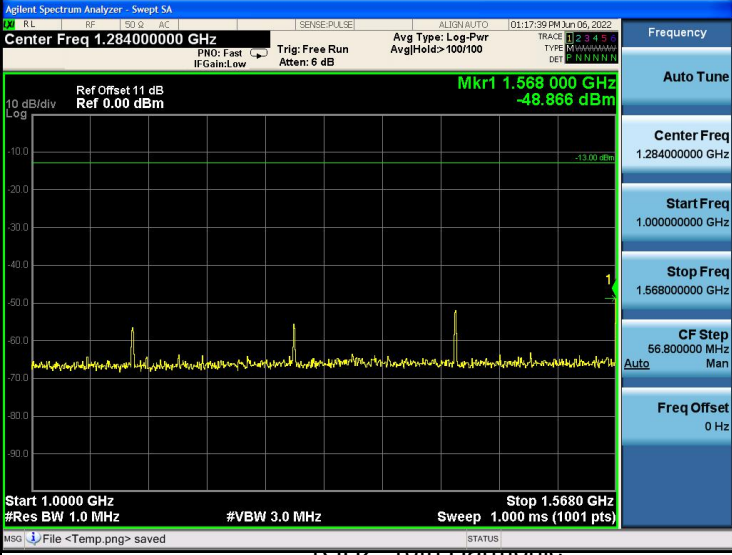
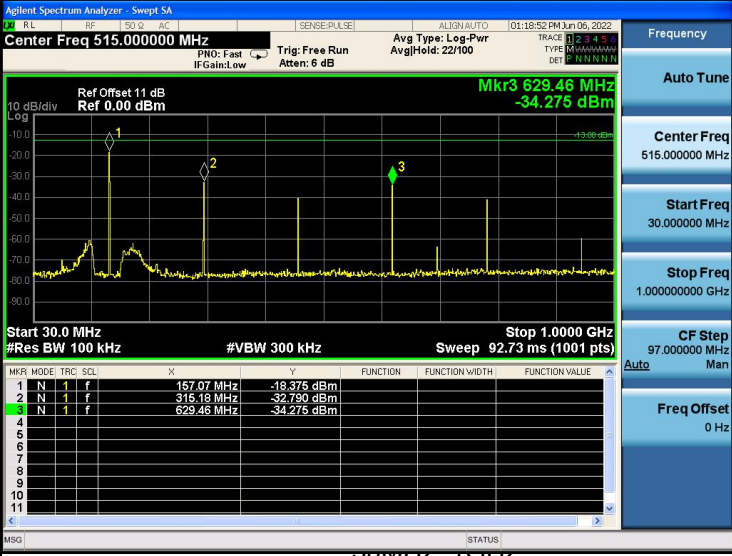
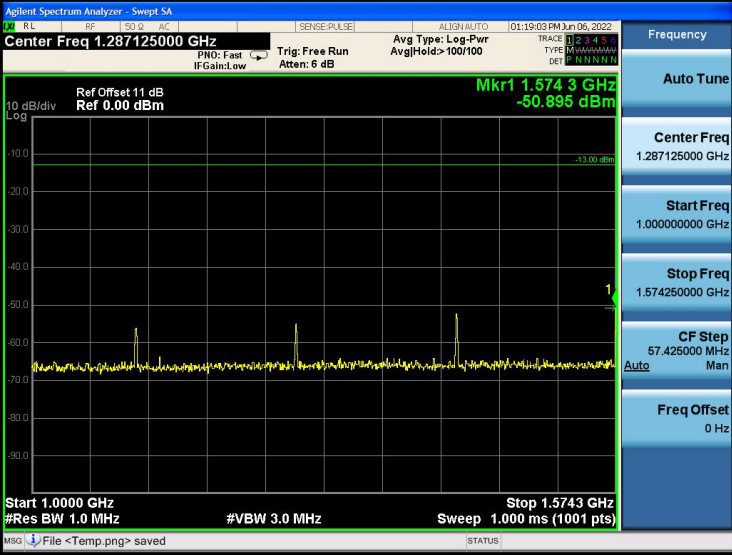
**Appendix H:Frequency Stability Test & Voltage**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH <sub>L</sub>	CH <sub>M1</sub>	CH <sub>H</sub>		
TX-AWH	FM	V <sub>N</sub>	T <sub>N</sub>	0.060	0.065	-0.020	±5.0	PASS
TX-AWH	FM	V <sub>L</sub>	T <sub>N</sub>	0.063	0.071	-0.020	±5.0	PASS
TX-AWH	FM	V <sub>H</sub>	T <sub>N</sub>	0.065	0.070	-0.020	±5.0	PASS
TX-AWL	FM	V <sub>N</sub>	T <sub>N</sub>	0.053	-0.046	0.048	±5.0	PASS
TX-AWL	FM	V <sub>L</sub>	T <sub>N</sub>	0.057	-0.049	0.051	±5.0	PASS
TX-AWL	FM	V <sub>H</sub>	T <sub>N</sub>	0.056	-0.048	0.053	±5.0	PASS

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-AWH	FM	CHL	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 11 dB Ref 0.00 dBm Mkr3 627.52 MHz -33.923 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MFR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>187.07 MHz</td> <td>-11.865 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>313.24 MHz</td> <td>-32.413 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>627.52 MHz</td> <td>-33.923 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MFR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	187.07 MHz	-11.865 dBm				2	N	1	f	313.24 MHz	-32.413 dBm				3	N	1	f	627.52 MHz	-33.923 dBm			
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TX-AWH	FM	CHL	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 1.280125000 GHz Ref Offset 11 dB Ref 0.00 dBm Mkr1 1.4118 GHz -52.996 dBm Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.5603 GHz Sweep 1.000 ms (1001 pts)</p>																																				
TX-AWH	FM	CHM	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 11 dB Ref 0.00 dBm Mkr3 627.52 MHz -34.913 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MFR</th> <th>MODE</th> <th>TRC</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>187.07 MHz</td> <td>-11.972 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>313.24 MHz</td> <td>-33.112 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>627.52 MHz</td> <td>-34.913 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MFR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	187.07 MHz	-11.972 dBm				2	N	1	f	313.24 MHz	-33.112 dBm				3	N	1	f	627.52 MHz	-34.913 dBm			
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