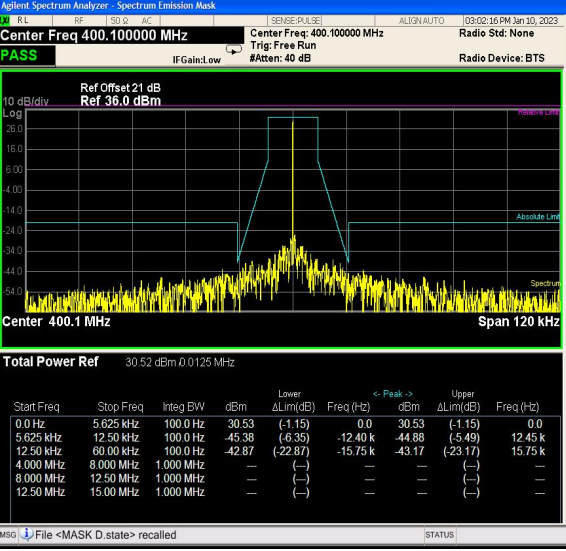
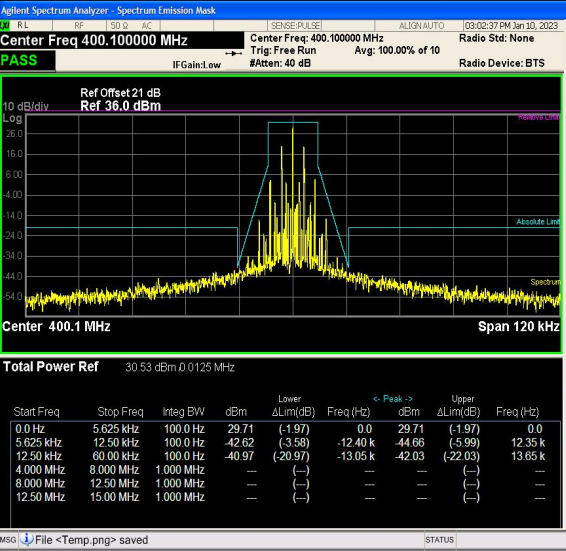
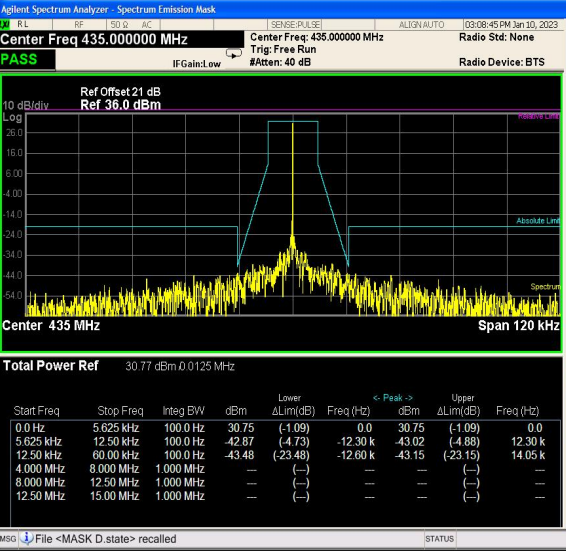
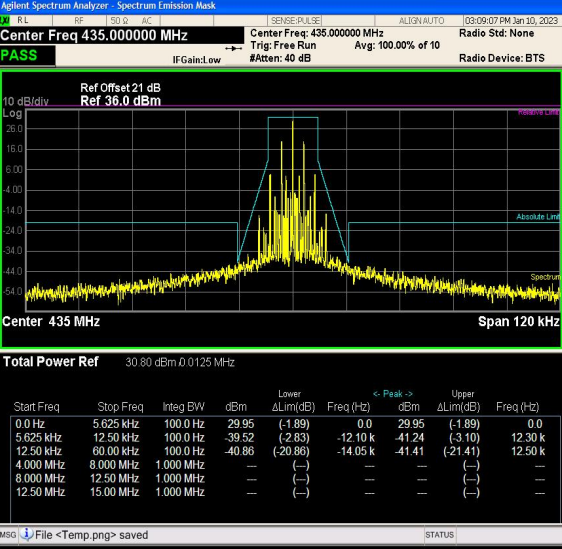
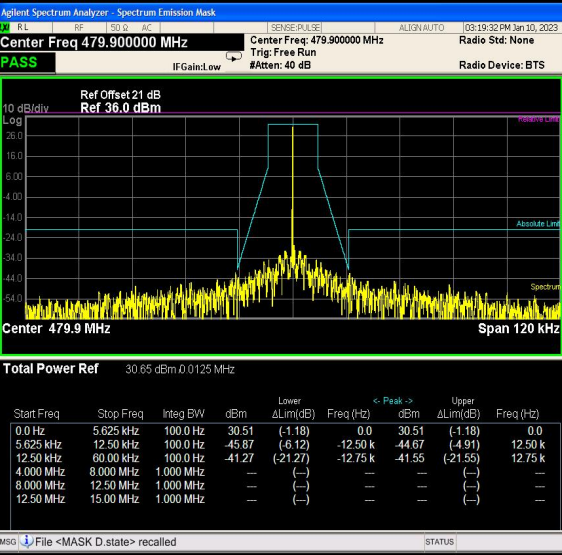
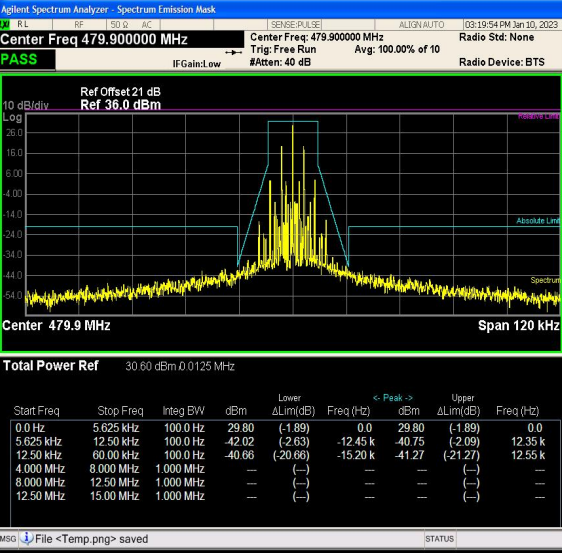


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-ANL	FM	CH _L	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.100000 MHz</p> <p>Ref Offset 21 dB Ref 30.0 dBm</p> <p>Total Power Ref 30.52 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>5.625 kHz</td> <td>100.0 Hz</td> <td>30.53</td> <td>(-1.15)</td> <td>30.53</td> <td>0.0</td> <td>(-1.15)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-45.38</td> <td>(-6.35)</td> <td>-12.40 k</td> <td>-44.88</td> <td>(-5.49)</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.87</td> <td>(-22.87)</td> <td>-15.75 k</td> <td>-43.17</td> <td>(-23.17)</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> </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	5.625 kHz	100.0 Hz	30.53	(-1.15)	30.53	0.0	(-1.15)	5.625 kHz	12.50 kHz	100.0 Hz	-45.38	(-6.35)	-12.40 k	-44.88	(-5.49)	12.50 kHz	60.00 kHz	100.0 Hz	-42.87	(-22.87)	-15.75 k	-43.17	(-23.17)	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)
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Appendix C:Emission Mask

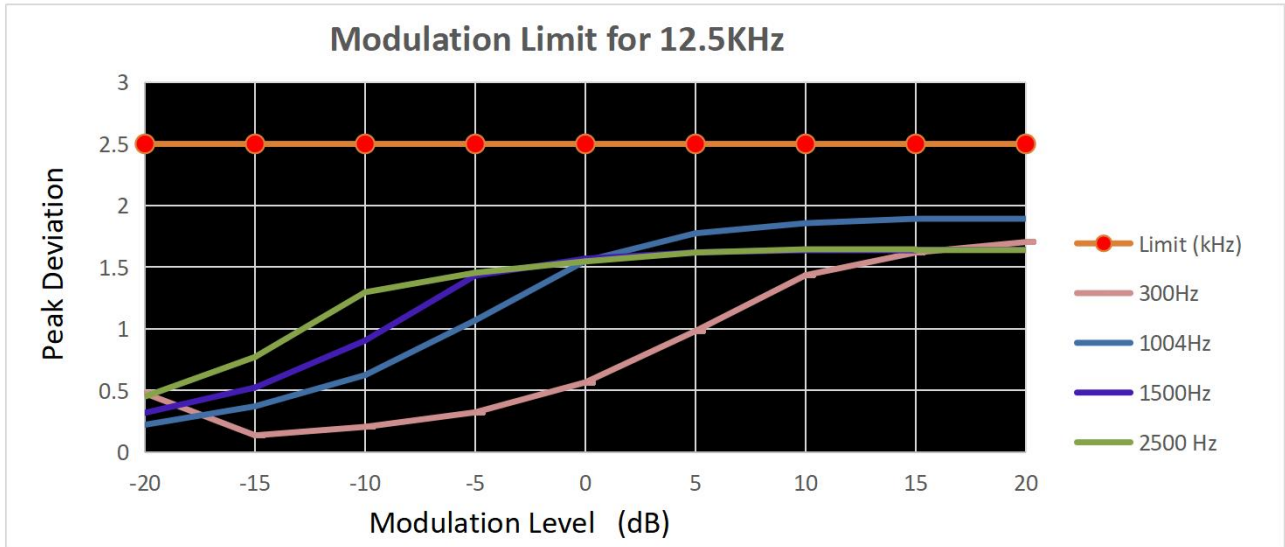
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-ANL	FM	CH _M	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 435.000000 MHz</p> <p>Center Freq: 435.000000 MHz</p> <p>Trig: Free Run</p> <p>Avg: 100.00% of 10</p> <p>Radio Std: None</p> <p>IF Gain: Low</p> <p>#Atten: 40 dB</p> <p>Radio Device: BTS</p> <p>Ref Offset 21 dB</p> <p>Ref 36.0 dBm</p> <p>Center 435 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 30.80 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</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.95</td> <td>(-1.89)</td> <td>0.0</td> <td>29.95</td> <td>(-1.89)</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.52</td> <td>(2.83)</td> <td>-12.10 k</td> <td>-41.24</td> <td>(-3.10)</td> <td>12.30 k</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.86</td> <td>(20.88)</td> <td>-14.05 k</td> <td>-41.41</td> <td>(21.41)</td> <td>12.50 k</td> <td>12.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> </tr> </tbody> </table> <p>MSG: File <Temp.png> saved</p>	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	29.95	(-1.89)	0.0	29.95	(-1.89)	0.0	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.52	(2.83)	-12.10 k	-41.24	(-3.10)	12.30 k	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.86	(20.88)	-14.05 k	-41.41	(21.41)	12.50 k	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—
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TX-ANL	FM	CH _H	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 479.900000 MHz</p> <p>Center Freq: 479.900000 MHz</p> <p>Trig: Free Run</p> <p>Avg: 100.00% of 10</p> <p>Radio Std: None</p> <p>IF Gain: Low</p> <p>#Atten: 40 dB</p> <p>Radio Device: BTS</p> <p>Ref Offset 21 dB</p> <p>Ref 36.0 dBm</p> <p>Center 479.9 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 30.60 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</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.80</td> <td>(-1.89)</td> <td>0.0</td> <td>29.80</td> <td>(-1.89)</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.02</td> <td>(2.63)</td> <td>-12.45 k</td> <td>-40.75</td> <td>(2.09)</td> <td>12.35 k</td> <td>12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.86</td> <td>(20.68)</td> <td>-15.20 k</td> <td>-41.27</td> <td>(-21.27)</td> <td>12.55 k</td> <td>12.55 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> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> </tr> </tbody> </table> <p>MSG: File <Temp.png> saved</p>	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	29.80	(-1.89)	0.0	29.80	(-1.89)	0.0	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.02	(2.63)	-12.45 k	-40.75	(2.09)	12.35 k	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.86	(20.68)	-15.20 k	-41.27	(-21.27)	12.55 k	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—	—
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Appendix 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	0.477	0.222	0.319	0.451	2.5	PASS
TX-ANH	FM	CH _M	-15	0.136	0.372	0.524	0.772	2.5	PASS
TX-ANH	FM	CH _M	-10	0.205	0.625	0.905	1.297	2.5	PASS
TX-ANH	FM	CH _M	-5	0.323	1.069	1.432	1.455	2.5	PASS
TX-ANH	FM	CH _M	0	0.566	1.551	1.569	1.547	2.5	PASS
TX-ANH	FM	CH _M	5	0.982	1.775	1.621	1.619	2.5	PASS
TX-ANH	FM	CH _M	10	1.435	1.857	1.637	1.645	2.5	PASS
TX-ANH	FM	CH _M	15	1.619	1.893	1.641	1.639	2.5	PASS
TX-ANH	FM	CH _M	20	1.704	1.895	1.641	1.633	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

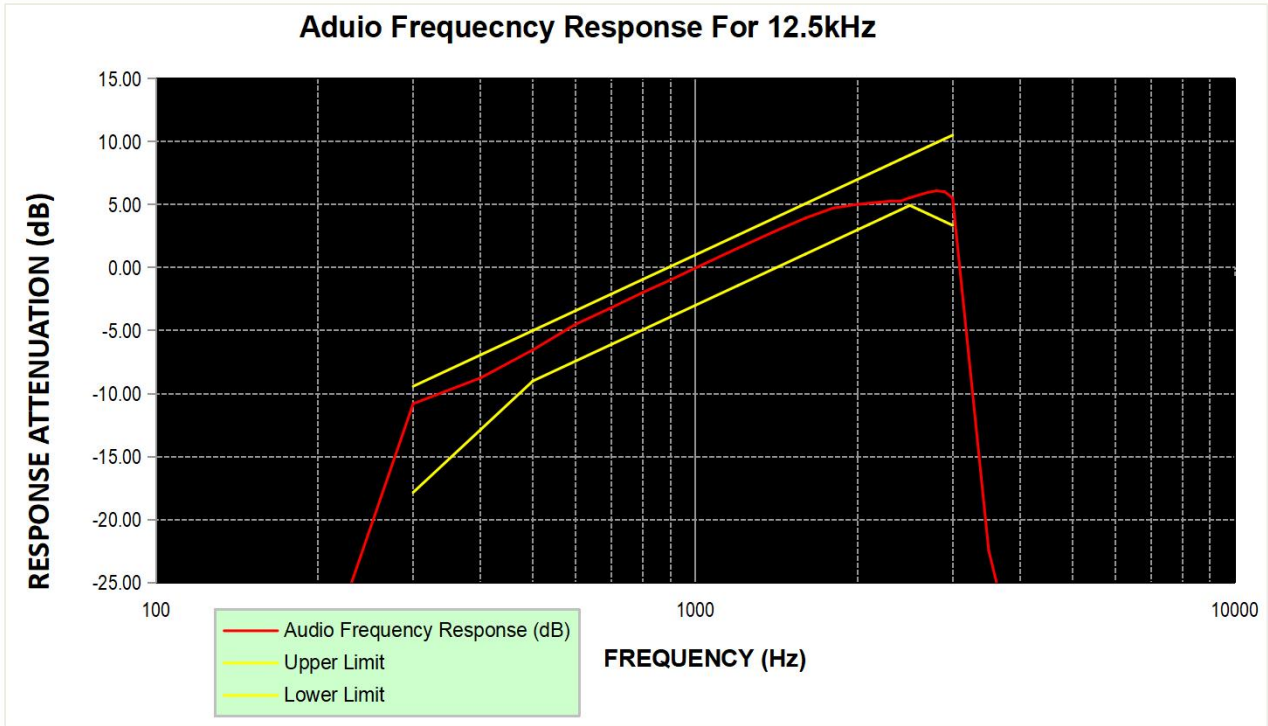


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-32.86			PASS
TX-ANH	FM	CH _M	200	-32.68			PASS
TX-ANH	FM	CH _M	300	-10.80	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-8.76	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-6.54	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-4.50	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-3.17	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-1.97	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-0.98	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	-0.04	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.54	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	2.85	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	3.93	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	4.72	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	5.02	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	5.11	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	5.19	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	5.27	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	5.27	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	5.54	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	5.76	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	5.97	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	6.09	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	6.02	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	5.53	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-22.46			PASS
TX-ANH	FM	CH _M	4000	-32.65			PASS
TX-ANH	FM	CH _M	4500	-32.47			PASS
TX-ANH	FM	CH _M	5000	-32.78			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-DNH	4FSK	V _N	-30	-0.833	-0.731	-0.698	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.824	-0.785	-0.731	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.823	-0.783	-0.731	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.821	-0.725	-0.707	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.801	-0.775	-0.726	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.769	-0.723	-0.687	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.806	-0.752	-0.754	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.794	-0.738	-0.725	±5.0	PASS
TX-DNH	4FSK	V _N	50	-0.832	-0.772	-0.721	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.786	-0.724	-0.678	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.790	-0.744	-0.663	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.821	-0.753	-0.685	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.812	-0.763	-0.682	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.791	-0.736	-0.691	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.777	-0.709	-0.654	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.811	-0.755	-0.712	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.819	-0.732	-0.664	±5.0	PASS
TX-DNL	4FSK	V _N	50	-0.853	-0.765	-0.691	±5.0	PASS
TX-ANH	FM	V _N	-30	0.084	0.057	0.012	±5.0	PASS
TX-ANH	FM	V _N	-20	0.084	0.053	0.012	±5.0	PASS
TX-ANH	FM	V _N	-10	0.086	0.058	0.011	±5.0	PASS
TX-ANH	FM	V _N	0	0.085	0.054	0.011	±5.0	PASS
TX-ANH	FM	V _N	10	0.086	0.055	0.012	±5.0	PASS
TX-ANH	FM	V _N	20	0.080	0.053	0.011	±5.0	PASS
TX-ANH	FM	V _N	30	0.086	0.054	0.012	±5.0	PASS
TX-ANH	FM	V _N	40	0.083	0.055	0.012	±5.0	PASS
TX-ANH	FM	V _N	50	0.084	0.056	0.012	±5.0	PASS
TX-ANL	FM	V _N	-30	0.075	0.040	0.035	±5.0	PASS
TX-ANL	FM	V _N	-20	0.081	0.040	0.035	±5.0	PASS
TX-ANL	FM	V _N	-10	0.080	0.041	0.035	±5.0	PASS
TX-ANL	FM	V _N	0	0.076	0.041	0.034	±5.0	PASS
TX-ANL	FM	V _N	10	0.080	0.041	0.035	±5.0	PASS
TX-ANL	FM	V _N	20	0.074	0.038	0.034	±5.0	PASS
TX-ANL	FM	V _N	30	0.080	0.040	0.034	±5.0	PASS
TX-ANL	FM	V _N	40	0.075	0.041	0.037	±5.0	PASS
TX-ANL	FM	V _N	50	0.077	0.042	0.036	±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 _M	CH _H		
TX-DNH	4FSK	V _N	T _N	-0.769	-0.723	-0.687	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.775	-0.728	-0.701	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.788	-0.737	-0.723	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.777	-0.709	-0.654	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.786	-0.714	-0.664	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.816	-0.729	-0.664	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.080	0.053	0.011	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.081	0.054	0.011	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.081	0.055	0.011	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.074	0.038	0.034	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.075	0.038	0.034	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.078	0.039	0.035	±5.0	PASS

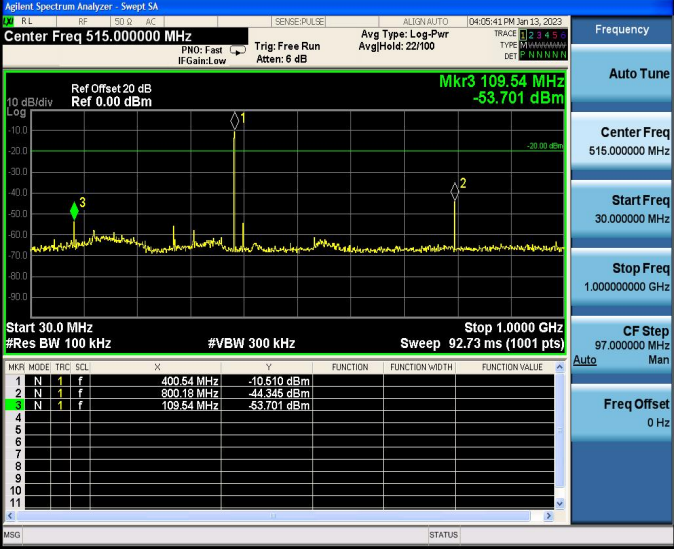
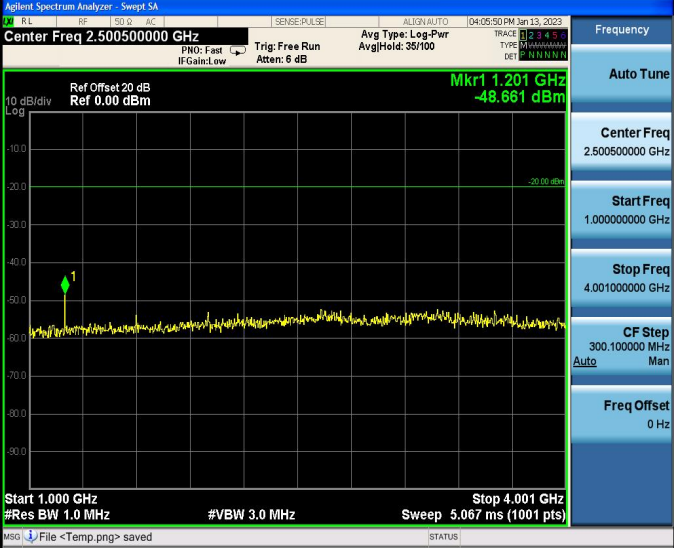
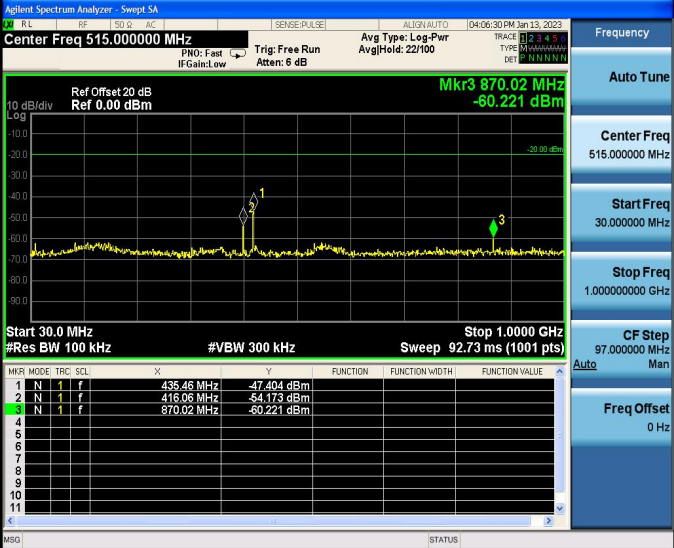
Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT												
TX-DNH	4FSK	CH _M	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB Att 30 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IF(FY(17MHz)) YIG Bypass</p> <p>CF 435.0 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <tr> <td colspan="2">Carrier Power 38.13 dBm</td> <td colspan="2">Carrier Offset -62.59 Hz</td> </tr> <tr> <td>+Peak</td> <td>-Peak</td> <td>+Peak/2</td> <td>RMS</td> </tr> <tr> <td>19.597 kHz</td> <td>-12.765 kHz</td> <td>16.181 kHz</td> <td>2.7431 kHz</td> </tr> </table> <p>Mod.Freq. --- SINAD --- THD ---</p> <p>Analog Demod: Waiting for Trigger... Measuring... 11.01.2023 10:30:48</p> <p>Date: 11. JAN.2023 10:30:48</p>	Carrier Power 38.13 dBm		Carrier Offset -62.59 Hz		+Peak	-Peak	+Peak/2	RMS	19.597 kHz	-12.765 kHz	16.181 kHz	2.7431 kHz
Carrier Power 38.13 dBm		Carrier Offset -62.59 Hz													
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TX-DNH	4FSK	CH _M	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB Att 30 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IF(FY(17MHz)) YIG Bypass</p> <p>CF 435.0 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <tr> <td colspan="2">Carrier Power 38.11 dBm</td> <td colspan="2">Carrier Offset -33.78 Hz</td> </tr> <tr> <td>+Peak</td> <td>-Peak</td> <td>+Peak/2</td> <td>RMS</td> </tr> <tr> <td>17.341 kHz</td> <td>-35.291 kHz</td> <td>26.316 kHz</td> <td>2.873 kHz</td> </tr> </table> <p>Mod.Freq. --- SINAD --- THD ---</p> <p>Analog Demod: Waiting for Trigger... Measuring... 11.01.2023 10:28:50</p> <p>Date: 11. JAN.2023 10:28:50</p>	Carrier Power 38.11 dBm		Carrier Offset -33.78 Hz		+Peak	-Peak	+Peak/2	RMS	17.341 kHz	-35.291 kHz	26.316 kHz	2.873 kHz
Carrier Power 38.11 dBm		Carrier Offset -33.78 Hz													
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TX-ANH	FM	CH _M	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB Att 30 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IF(FY(17MHz)) YIG Bypass</p> <p>CF 435.0 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <tr> <td colspan="2">Carrier Power 38.12 dBm</td> <td colspan="2">Carrier Offset -51.43 Hz</td> </tr> <tr> <td>+Peak</td> <td>-Peak</td> <td>+Peak/2</td> <td>RMS</td> </tr> <tr> <td>16.388 kHz</td> <td>-24.804 kHz</td> <td>20.596 kHz</td> <td>2.7795 kHz</td> </tr> </table> <p>Mod.Freq. --- SINAD --- THD ---</p> <p>Analog Demod: Waiting for Trigger... Measuring... 11.01.2023 10:30:16</p> <p>Date: 11. JAN.2023 10:30:16</p>	Carrier Power 38.12 dBm		Carrier Offset -51.43 Hz		+Peak	-Peak	+Peak/2	RMS	16.388 kHz	-24.804 kHz	20.596 kHz	2.7795 kHz
Carrier Power 38.12 dBm		Carrier Offset -51.43 Hz													
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Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-ANH	FM	CH _M	<p> MultiView Spectrum Analog Demod Ref Level 47.00 dBm Offset 27.00 dB Att 30 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IF(17MHz) YIG Bypass CF 435.0 MHz 1001 pts 10.0 ms/ </p> <table border="1"> <thead> <tr> <th colspan="4">4 Result Summary</th> <th colspan="4">Carrier Power 38.11 dBm</th> <th colspan="4">Carrier Offset -33.78 Hz</th> </tr> <tr> <th></th> <th>+Peak</th> <th>-Peak</th> <th>+Peak/2</th> <th>RMS</th> <th>Mod. Freq.</th> <th>SINAD</th> <th>THD</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>FM</td> <td>17.341 kHz</td> <td>-35.291 kHz</td> <td>26.316 kHz</td> <td>2.873 kHz</td> <td>---</td> <td>---</td> <td>---</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p> Analog Demod: Waiting for Trigger... Measuring... 11.01.2023 10:28:50 Date: 11.JAN.2023 10:28:50 </p>	4 Result Summary				Carrier Power 38.11 dBm				Carrier Offset -33.78 Hz					+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD					FM	17.341 kHz	-35.291 kHz	26.316 kHz	2.873 kHz	---	---	---				
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Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-DNH	4FSK	CHL	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Mkr3 109.54 MHz -53.701 dBm</p> <p>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>MKR</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>400.64 MHz</td> <td>-10.610 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>800.18 MHz</td> <td>-44.346 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>109.54 MHz</td> <td>-53.701 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	400.64 MHz	-10.610 dBm				2	N	1	f	800.18 MHz	-44.346 dBm				3	N	1	f	109.54 MHz	-53.701 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																															
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2	N	1	f	800.18 MHz	-44.346 dBm																																		
3	N	1	f	109.54 MHz	-53.701 dBm																																		
TX-DNH	4FSK	CHL	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.500500000 GHz</p> <p>Mkr1 1.201 GHz -48.661 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.001 GHz Sweep 5.067 ms (1001 pts)</p>																																				
TX-DNH	4FSK	CHM	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Mkr3 870.02 MHz -60.221 dBm</p> <p>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>MKR</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>435.46 MHz</td> <td>-47.404 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>416.06 MHz</td> <td>-54.173 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>870.02 MHz</td> <td>-60.221 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	435.46 MHz	-47.404 dBm				2	N	1	f	416.06 MHz	-54.173 dBm				3	N	1	f	870.02 MHz	-60.221 dBm			
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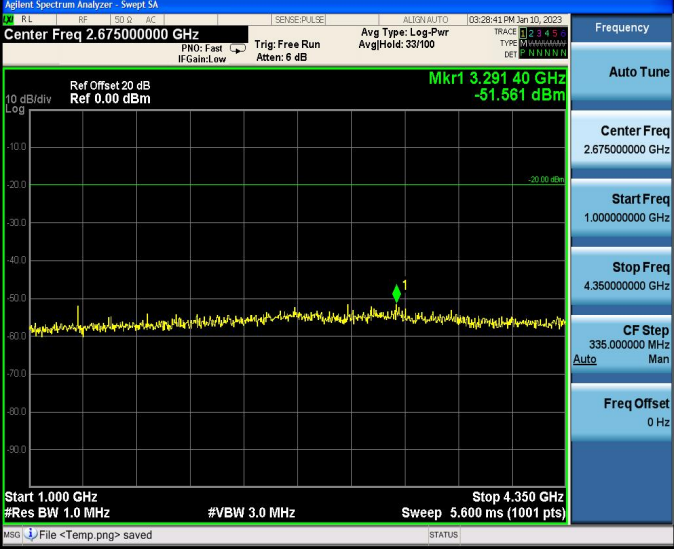
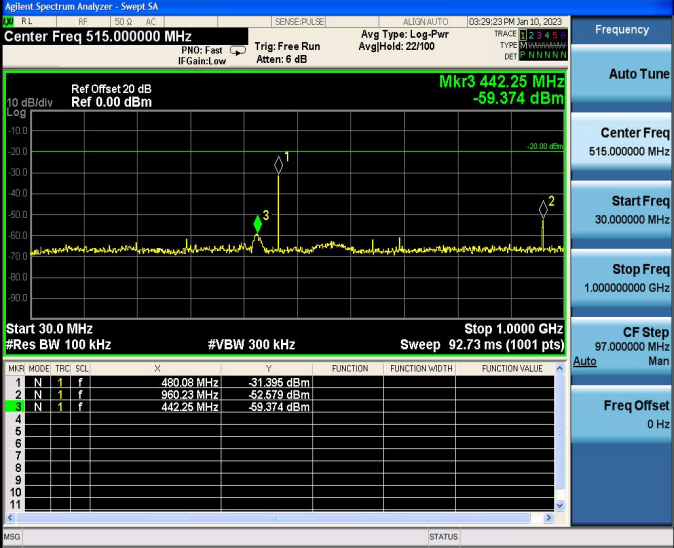

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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-DNH	4FSK	CH _M	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.675000000 GHz</p> <p>Mkr1 1.30485 GHz -49.829 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.350 GHz Sweep 5.600 ms (1001 pts)</p>																																				
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.0000000 MHz</p> <p>Mkr3 416.06 MHz -57.813 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRG</th> <th>SOL</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>480.08 MHz</td> <td>-30.688 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>960.23 MHz</td> <td>-49.902 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>416.06 MHz</td> <td>-57.813 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	480.08 MHz	-30.688 dBm				2	N	1	f	960.23 MHz	-49.902 dBm				3	N	1	f	416.06 MHz	-57.813 dBm			
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TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.899500000 GHz</p> <p>Mkr1 4.799 GHz -42.180 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.799 GHz Sweep 6.333 ms (1001 pts)</p>																																				

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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-ANH	FM	CHL	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Mkr3 109.54 MHz -52.829 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz</p> <table border="1"> <thead> <tr> <th>MKR</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>400.54 MHz</td> <td>-13.482 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>800.18 MHz</td> <td>-50.906 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>109.54 MHz</td> <td>-52.829 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	400.54 MHz	-13.482 dBm				2	N	1	f	800.18 MHz	-50.906 dBm				3	N	1	f	109.54 MHz	-52.829 dBm			
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TX-ANH	FM	CHM	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Mkr3 700.27 MHz -61.184 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz</p> <table border="1"> <thead> <tr> <th>MKR</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>435.46 MHz</td> <td>-46.602 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>870.02 MHz</td> <td>-50.781 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>700.27 MHz</td> <td>-61.184 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	435.46 MHz	-46.602 dBm				2	N	1	f	870.02 MHz	-50.781 dBm				3	N	1	f	700.27 MHz	-61.184 dBm			
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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-ANH	FM	CH _M	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.675000000 GHz</p> <p>Mkr1 3.29140 GHz -51.561 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts)</p> <p>Stop 4.350 GHz</p>																																				
TX-ANH	FM	CH _H	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.0000000 MHz</p> <p>Mkr3 442.25 MHz -59.374 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>Stop 1.000 GHz</p> <table border="1" data-bbox="576 1310 1141 1467"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRG</th> <th>SOL</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>480.08 MHz</td> <td>-31.395 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>960.23 MHz</td> <td>-52.679 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>442.25 MHz</td> <td>-59.374 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	480.08 MHz	-31.395 dBm				2	N	1	f	960.23 MHz	-52.679 dBm				3	N	1	f	442.25 MHz	-59.374 dBm			
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