



Appendix Report
FCC PART 90 Test Form

QRE315 V 3.1 (2019-11)

Project No.	SHT2009016002EW	Test sample No.	BF-TM8500
Start test date	2020/9/29	Finish date	2020/10/9
Temperature	22.5℃	Humidity	55%
Test Engineer	Zijian Li	Auditor	Xiaodong Zhu

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	9/29	PASS
B	Occupied Bandwidth	9/30	PASS
C	Emission Mask	9/30	PASS
D	Modulation Limit	9/29	PASS
E	Audio Frequency Response	9/29	PASS
F	Frequency Stability Test & Temperature	9/29	PASS
G	Frequency Stability Test & Voltage	9/29	PASS
H	Transmitter Frequency Behavior	9/30	PASS
I	Spurious Emission On Antenna Port	9/30	PASS

**Appendix A:Maximum Transmitter Power**

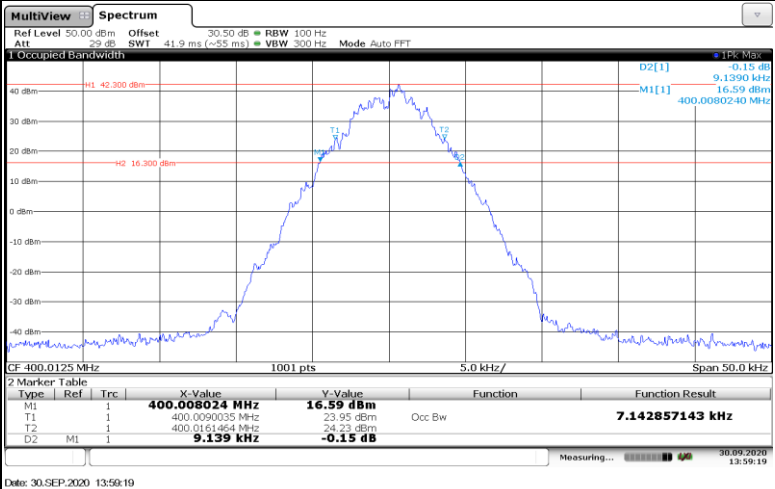
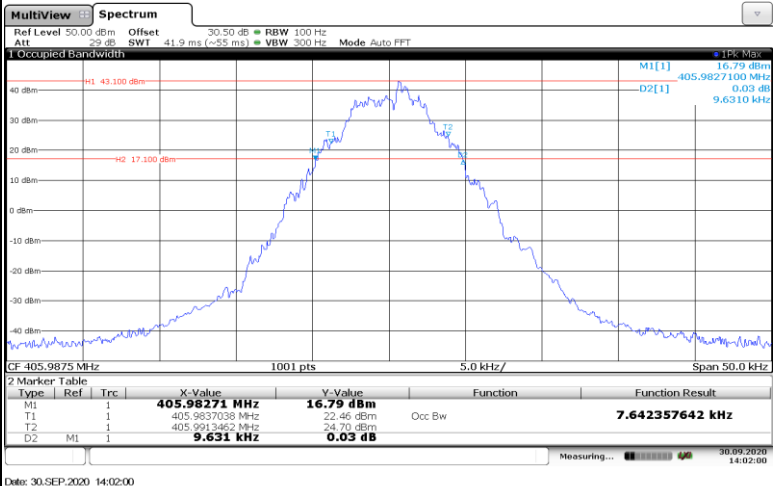
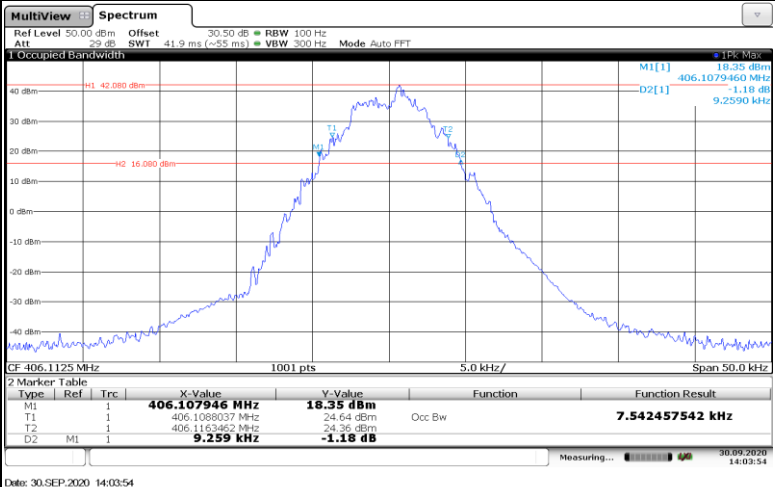
Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH _L	47.48	55.91	50.00	11.82	±20	PASS
TX-DNH	4FSK	CH _{M1}	47.60	57.54	50.00	15.09	±20	PASS
TX-DNH	4FSK	CH _{M2}	47.75	59.53	50.00	19.05	±20	PASS
TX-DNH	4FSK	CH _{M3}	47.51	56.38	50.00	12.75	±20	PASS
TX-DNH	4FSK	CH _H	47.70	58.84	50.00	17.69	±20	PASS
TX-DNL	4FSK	CH _L	40.50	11.22	10.00	12.20	±20	PASS
TX-DNL	4FSK	CH _{M1}	40.70	11.75	10.00	17.49	±20	PASS
TX-DNL	4FSK	CH _{M2}	40.60	11.48	10.00	14.82	±20	PASS
TX-DNL	4FSK	CH _{M3}	40.70	11.75	10.00	17.49	±20	PASS
TX-DNL	4FSK	CH _H	40.18	10.43	10.00	4.26	±20	PASS
TX-ANH	FM	CH _L	47.44	55.46	50.00	10.92	±20	PASS
TX-ANH	FM	CH _{M1}	47.68	58.67	50.00	17.33	±20	PASS
TX-ANH	FM	CH _{M2}	47.71	59.08	50.00	18.15	±20	PASS
TX-ANH	FM	CH _{M3}	47.37	54.59	50.00	9.19	±20	PASS
TX-ANH	FM	CH _H	47.66	58.41	50.00	16.82	±20	PASS
TX-ANL	FM	CH _L	40.70	11.75	10.00	17.49	±20	PASS
TX-ANL	FM	CH _{M1}	40.70	11.75	10.00	17.49	±20	PASS
TX-ANL	FM	CH _{M2}	40.20	10.47	10.00	4.71	±20	PASS
TX-ANL	FM	CH _{M3}	40.50	11.22	10.00	12.20	±20	PASS
TX-ANL	FM	CH _H	40.35	10.84	10.00	8.36	±20	PASS

**Appendix B:Occupied Bandwidth**

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.14	9.14	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.64	9.63	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.54	9.26	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.69	9.24	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.39	9.36	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.29	9.48	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.44	9.63	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.69	9.88	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.54	9.53	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.64	9.60	≤11.25	PASS
TX-ANH	FM	CH _L	5.24	10.00	≤11.25	PASS
TX-ANH	FM	CH _{M1}	5.24	10.00	≤11.25	PASS
TX-ANH	FM	CH _{M2}	5.24	10.00	≤11.25	PASS
TX-ANH	FM	CH _{M3}	5.24	9.94	≤11.25	PASS
TX-ANH	FM	CH _H	5.24	10.02	≤11.25	PASS
TX-ANL	FM	CH _L	5.24	10.03	≤11.25	PASS
TX-ANL	FM	CH _{M1}	5.24	9.99	≤11.25	PASS
TX-ANL	FM	CH _{M2}	5.24	9.99	≤11.25	PASS
TX-ANL	FM	CH _{M3}	5.24	9.96	≤11.25	PASS
TX-ANL	FM	CH _H	5.24	9.99	≤11.25	PASS

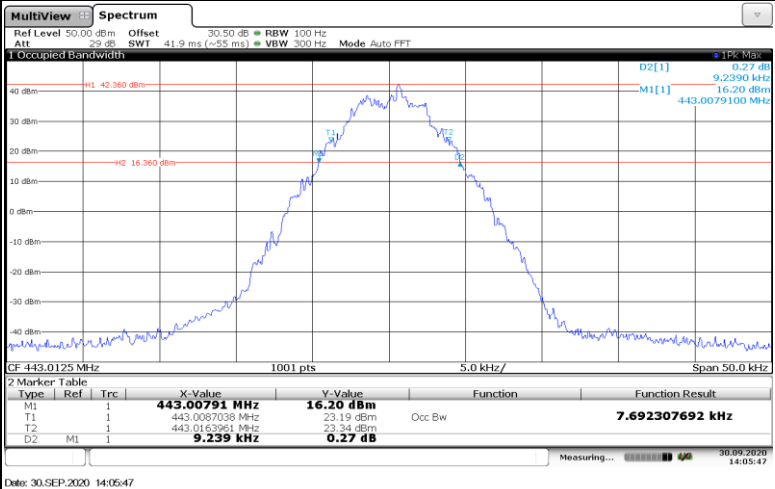
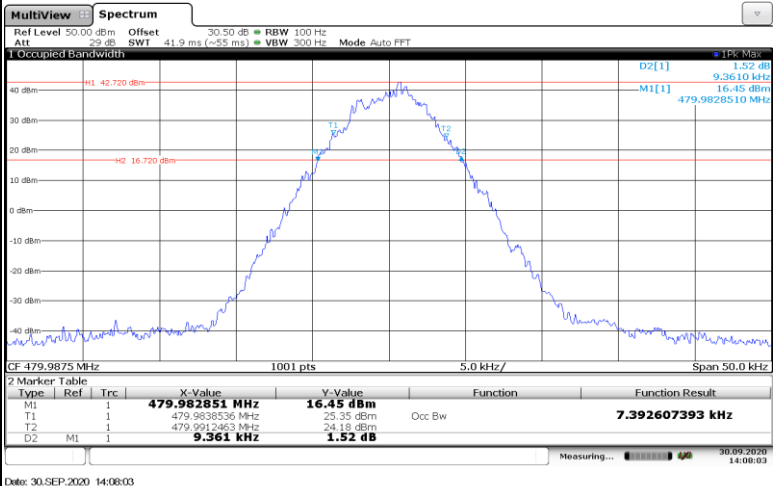
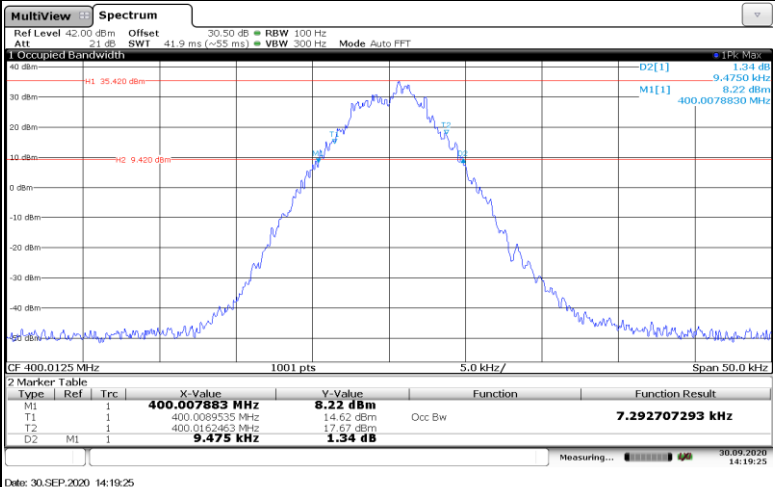


Appendix B:Occupied Bandwidth

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



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth CF 443.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table Type Ref Trc X-Value Y-Value Function Function Result M1 1 443.00791 MHz 16.20 dBm T1 1 443.0087038 MHz 23.19 dBm T2 1 443.0163261 MHz 23.34 dBm D2 M1 1 9.239 kHz 0.27 dB Occ Bw 7.692307692 kHz Measuring... 30.09.2020 14:05:47 Date: 30.SEP.2020 14:05:47
TX-DNH	4FSK	CH _H	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth CF 479.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table Type Ref Trc X-Value Y-Value Function Function Result M1 1 479.982851 MHz 16.45 dBm T1 1 479.9838536 MHz 25.35 dBm T2 1 479.9912463 MHz 24.18 dBm D2 M1 1 9.361 kHz 1.52 dB Occ Bw 7.392607393 kHz Measuring... 30.09.2020 14:06:03 Date: 30.SEP.2020 14:06:03
TX-DNL	4FSK	CH _L	 MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 21 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth CF 400.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table Type Ref Trc X-Value Y-Value Function Function Result M1 1 400.007883 MHz 8.22 dBm T1 1 400.0089535 MHz 14.62 dBm T2 1 400.0162463 MHz 17.67 dBm D2 M1 1 9.475 kHz 1.34 dB Occ Bw 7.292707293 kHz Measuring... 30.09.2020 14:19:25 Date: 30.SEP.2020 14:19:25



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																			
TX-DNL	4FSK	CH _{M1}	MultiViewSpectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 21 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 34.860 dBm H2 8.860 dBm D2[1] 0.59 dB M1[1] 9.633 kHz 405.9827150 MHz CF 405.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>405.982715 MHz</td><td>8.39 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>405.9838037 MHz</td><td>14.59 dBm</td><td>Occ Bw</td><td>7.442557443 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>405.9912463 MHz</td><td>17.94 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.633 kHz</td><td>-0.59 dB</td><td></td><td></td></tr></table> Measuring... 30.09.2020 14:17:17 Date: 30.SEP.2020 14:17:17	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		405.982715 MHz	8.39 dBm			T1	1		405.9838037 MHz	14.59 dBm	Occ Bw	7.442557443 kHz	T2	1		405.9912463 MHz	17.94 dBm			D2	M1	1	9.633 kHz	-0.59 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
M1	1		405.982715 MHz	8.39 dBm																																		
T1	1		405.9838037 MHz	14.59 dBm	Occ Bw	7.442557443 kHz																																
T2	1		405.9912463 MHz	17.94 dBm																																		
D2	M1	1	9.633 kHz	-0.59 dB																																		
TX-DNL	4FSK	CH _{M2}	MultiViewSpectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 21 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 35.770 dBm H2 9.770 dBm D2[1] 0.64 dB M1[1] 9.8760 kHz 406.1075880 MHz CF 406.1125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>406.107588 MHz</td><td>10.10 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1087537 MHz</td><td>18.86 dBm</td><td>Occ Bw</td><td>7.692307692 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>406.1164261 MHz</td><td>18.19 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.876 kHz</td><td>-0.64 dB</td><td></td><td></td></tr></table> Measuring... 30.09.2020 14:14:05 Date: 30.SEP.2020 14:14:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		406.107588 MHz	10.10 dBm			T1	1		406.1087537 MHz	18.86 dBm	Occ Bw	7.692307692 kHz	T2	1		406.1164261 MHz	18.19 dBm			D2	M1	1	9.876 kHz	-0.64 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
M1	1		406.107588 MHz	10.10 dBm																																		
T1	1		406.1087537 MHz	18.86 dBm	Occ Bw	7.692307692 kHz																																
T2	1		406.1164261 MHz	18.19 dBm																																		
D2	M1	1	9.876 kHz	-0.64 dB																																		
TX-DNL	4FSK	CH _{M3}	MultiViewSpectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 21 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 34.910 dBm H2 8.910 dBm D2[1] 0.37 dB M1[1] 9.5250 kHz 443.0077670 MHz CF 443.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>443.007767 MHz</td><td>9.56 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>443.0087038 MHz</td><td>16.92 dBm</td><td>Occ Bw</td><td>7.542457542 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>443.0162463 MHz</td><td>16.10 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.525 kHz</td><td>-0.37 dB</td><td></td><td></td></tr></table> Measuring... 30.09.2020 14:11:46 Date: 30.SEP.2020 14:11:46	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		443.007767 MHz	9.56 dBm			T1	1		443.0087038 MHz	16.92 dBm	Occ Bw	7.542457542 kHz	T2	1		443.0162463 MHz	16.10 dBm			D2	M1	1	9.525 kHz	-0.37 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
M1	1		443.007767 MHz	9.56 dBm																																		
T1	1		443.0087038 MHz	16.92 dBm	Occ Bw	7.542457542 kHz																																
T2	1		443.0162463 MHz	16.10 dBm																																		
D2	M1	1	9.525 kHz	-0.37 dB																																		



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																			
TX-DNL	4FSK	CH _H	MultiViewSpectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 21.0 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 33.880 dBm H2 7.880 dBm D2[1] 0.90 dB M1[1] 9.595 kHz 479.9826520 MHz CF 479.9875 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>479.982652 MHz</td><td>7.43 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>479.9837537 MHz</td><td>16.14 dBm</td><td>Occ Bw</td><td>7.642357642 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>479.9913961 MHz</td><td>17.47 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.595 kHz</td><td>0.90 dB</td><td></td><td></td></tr></table> Date: 30.SEP.2020 14:09:53	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		479.982652 MHz	7.43 dBm			T1	1		479.9837537 MHz	16.14 dBm	Occ Bw	7.642357642 kHz	T2	1		479.9913961 MHz	17.47 dBm			D2	M1	1	9.595 kHz	0.90 dB		
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M1	1		479.982652 MHz	7.43 dBm																																		
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T2	1		479.9913961 MHz	17.47 dBm																																		
D2	M1	1	9.595 kHz	0.90 dB																																		
TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 20.0 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 46.050 dBm H2 20.050 dBm D2[1] -1.18 dB M1[1] 10.005 kHz 400.0074430 MHz CF 400.0125 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>400.007443 MHz</td><td>21.41 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>400.0099026 MHz</td><td>27.60 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>400.0151474 MHz</td><td>23.67 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>10.005 kHz</td><td>-1.18 dB</td><td></td><td></td></tr></table> Date: 29.SEP.2020 18:05:29	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		400.007443 MHz	21.41 dBm			T1	1		400.0099026 MHz	27.60 dBm	Occ Bw	5.244755245 kHz	T2	1		400.0151474 MHz	23.67 dBm			D2	M1	1	10.005 kHz	-1.18 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
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T2	1		400.0151474 MHz	23.67 dBm																																		
D2	M1	1	10.005 kHz	-1.18 dB																																		
TX-ANH	FM	CH _{M1}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 20.0 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 46.200 dBm H2 20.200 dBm D2[1] -1.03 dB M1[1] 9.992 kHz 405.9824720 MHz CF 405.9875 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>405.982472 MHz</td><td>22.13 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>405.9849026 MHz</td><td>29.04 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>405.9901474 MHz</td><td>21.82 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.992 kHz</td><td>-1.03 dB</td><td></td><td></td></tr></table> Date: 29.SEP.2020 18:10:52	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		405.982472 MHz	22.13 dBm			T1	1		405.9849026 MHz	29.04 dBm	Occ Bw	5.244755245 kHz	T2	1		405.9901474 MHz	21.82 dBm			D2	M1	1	9.992 kHz	-1.03 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
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Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																			
TX-ANH	FM	CH _{M2}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 46.220 dBm D2[1] -0.96 dB M1[1] 9.999 kHz 22.30 dBm 406.107443 MHz 406.1074430 MHz CF 406.1125 MHz1001 pts5.0 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>406.107443 MHz</td><td>22.30 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1099026 MHz</td><td>29.52 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>406.1151474 MHz</td><td>21.26 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.999 kHz</td><td>-0.96 dB</td><td></td><td></td></tr></table> Measuring...29.09.2020 18:13:25 Date: 29.SEP.2020 18:13:25	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		406.107443 MHz	22.30 dBm			T1	1		406.1099026 MHz	29.52 dBm	Occ Bw	5.244755245 kHz	T2	1		406.1151474 MHz	21.26 dBm			D2	M1	1	9.999 kHz	-0.96 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
M1	1		406.107443 MHz	22.30 dBm																																		
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D2	M1	1	9.999 kHz	-0.96 dB																																		
TX-ANH	FM	CH _{M3}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 45.670 dBm D2[1] -1.00 dB M1[1] 9.944 kHz 21.65 dBm 443.007477 MHz 443.0074770 MHz CF 443.0125 MHz1001 pts5.0 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>443.007477 MHz</td><td>21.65 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>443.0099026 MHz</td><td>28.69 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>443.0151474 MHz</td><td>20.95 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.944 kHz</td><td>-1.00 dB</td><td></td><td></td></tr></table> Measuring...29.09.2020 18:17:24 Date: 29.SEP.2020 18:17:23	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		443.007477 MHz	21.65 dBm			T1	1		443.0099026 MHz	28.69 dBm	Occ Bw	5.244755245 kHz	T2	1		443.0151474 MHz	20.95 dBm			D2	M1	1	9.944 kHz	-1.00 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
M1	1		443.007477 MHz	21.65 dBm																																		
T1	1		443.0099026 MHz	28.69 dBm	Occ Bw	5.244755245 kHz																																
T2	1		443.0151474 MHz	20.95 dBm																																		
D2	M1	1	9.944 kHz	-1.00 dB																																		
TX-ANH	FM	CH _H	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 46.240 dBm D2[1] -0.95 dB M1[1] 10.021 kHz 22.38 dBm 479.982436 MHz 479.9824360 MHz CF 479.9875 MHz1001 pts5.0 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>479.982436 MHz</td><td>22.38 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>479.9849026 MHz</td><td>29.69 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>479.9901474 MHz</td><td>21.25 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>10.021 kHz</td><td>-0.95 dB</td><td></td><td></td></tr></table> Measuring...29.09.2020 18:19:04 Date: 29.SEP.2020 18:19:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		479.982436 MHz	22.38 dBm			T1	1		479.9849026 MHz	29.69 dBm	Occ Bw	5.244755245 kHz	T2	1		479.9901474 MHz	21.25 dBm			D2	M1	1	10.021 kHz	-0.95 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
M1	1		479.982436 MHz	22.38 dBm																																		
T1	1		479.9849026 MHz	29.69 dBm	Occ Bw	5.244755245 kHz																																
T2	1		479.9901474 MHz	21.25 dBm																																		
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Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																	
TX-ANL	FM	CH _L	MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 40.020 dBm D2[1] 0.95 dB M1[1] 16.25 dBm 400.0074360 MHz CF 400.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>400.007436 MHz</td><td>16.25 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>400.0099026 MHz</td><td>23.63 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>400.0151474 MHz</td><td>14.54 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>10.028 kHz</td><td>-0.95 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:36:01 Date: 29.SEP.2020 18:36:01 <tr><td>TX-ANL</td><td>FM</td><td>CH_{M1}</td><td> MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.940 dBm D2[1] 0.95 dB M1[1] 16.16 dBm 405.9824430 MHz CF 405.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>405.982443 MHz</td><td>16.16 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>405.9849026 MHz</td><td>23.43 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>405.9901474 MHz</td><td>14.72 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.985 kHz</td><td>-0.95 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:34:01 Date: 29.SEP.2020 18:34:00 <tr><td>TX-ANL</td><td>FM</td><td>CH_{M2}</td><td> MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.990 dBm D2[1] 0.97 dB M1[1] 16.11 dBm 406.1074500 MHz CF 406.1125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>406.10745 MHz</td><td>16.11 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1099026 MHz</td><td>23.30 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>406.1151474 MHz</td><td>14.94 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.992 kHz</td><td>-0.97 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:30:05 Date: 29.SEP.2020 18:30:05 </td></tr></td></tr>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		400.007436 MHz	16.25 dBm			T1	1		400.0099026 MHz	23.63 dBm			T2	1		400.0151474 MHz	14.54 dBm			D2	M1	1	10.028 kHz	-0.95 dB	Occ Bw	5.244755245 kHz	TX-ANL	FM	CH _{M1}	MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.940 dBm D2[1] 0.95 dB M1[1] 16.16 dBm 405.9824430 MHz CF 405.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>405.982443 MHz</td><td>16.16 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>405.9849026 MHz</td><td>23.43 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>405.9901474 MHz</td><td>14.72 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.985 kHz</td><td>-0.95 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:34:01 Date: 29.SEP.2020 18:34:00 <tr><td>TX-ANL</td><td>FM</td><td>CH_{M2}</td><td> MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.990 dBm D2[1] 0.97 dB M1[1] 16.11 dBm 406.1074500 MHz CF 406.1125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>406.10745 MHz</td><td>16.11 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1099026 MHz</td><td>23.30 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>406.1151474 MHz</td><td>14.94 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.992 kHz</td><td>-0.97 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:30:05 Date: 29.SEP.2020 18:30:05 </td></tr>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		405.982443 MHz	16.16 dBm			T1	1		405.9849026 MHz	23.43 dBm			T2	1		405.9901474 MHz	14.72 dBm			D2	M1	1	9.985 kHz	-0.95 dB	Occ Bw	5.244755245 kHz	TX-ANL	FM	CH _{M2}	MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.990 dBm D2[1] 0.97 dB M1[1] 16.11 dBm 406.1074500 MHz CF 406.1125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>406.10745 MHz</td><td>16.11 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1099026 MHz</td><td>23.30 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>406.1151474 MHz</td><td>14.94 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.992 kHz</td><td>-0.97 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:30:05 Date: 29.SEP.2020 18:30:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		406.10745 MHz	16.11 dBm			T1	1		406.1099026 MHz	23.30 dBm			T2	1		406.1151474 MHz	14.94 dBm			D2	M1	1	9.992 kHz	-0.97 dB	Occ Bw	5.244755245 kHz
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TX-ANL	FM	CH _{M2}	MultiView Spectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.990 dBm D2[1] 0.97 dB M1[1] 16.11 dBm 406.1074500 MHz CF 406.1125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>406.10745 MHz</td><td>16.11 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>406.1099026 MHz</td><td>23.30 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>406.1151474 MHz</td><td>14.94 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.992 kHz</td><td>-0.97 dB</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr></table> Measuring... 29.09.2020 18:30:05 Date: 29.SEP.2020 18:30:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		406.10745 MHz	16.11 dBm			T1	1		406.1099026 MHz	23.30 dBm			T2	1		406.1151474 MHz	14.94 dBm			D2	M1	1	9.992 kHz	-0.97 dB	Occ Bw	5.244755245 kHz																																																																														
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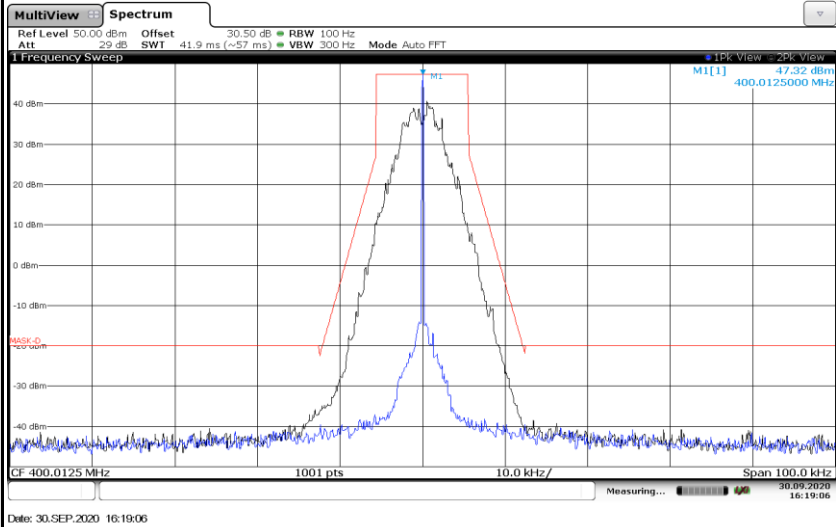
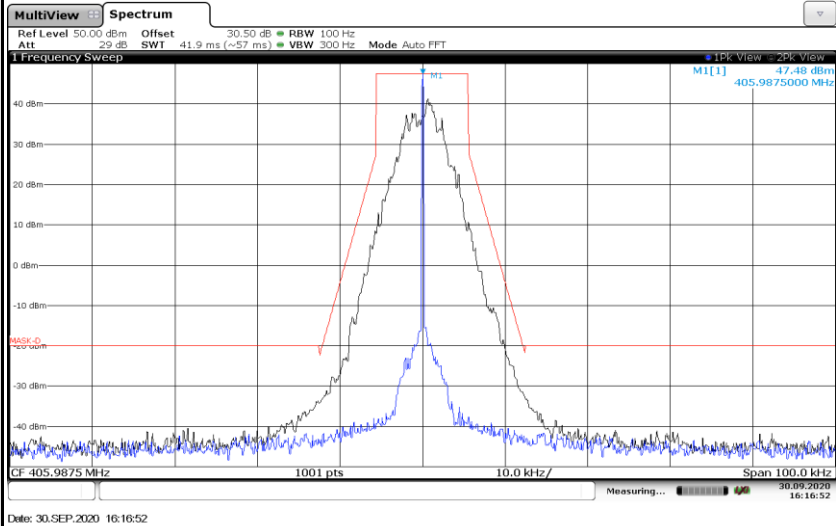
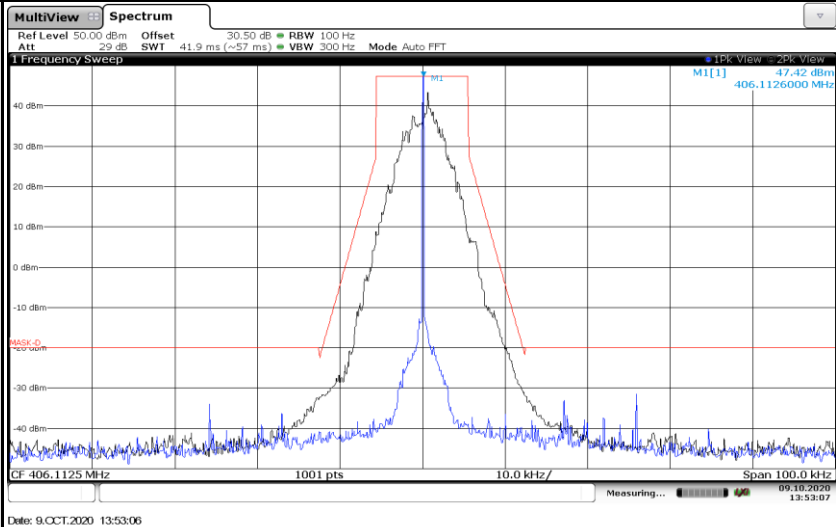


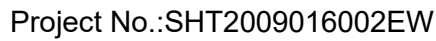
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																			
TX-ANL	FM	CH _{M3}	MultiViewSpectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.390 dBm H2 13.390 dBm D2[1] -0.96 dB 9.9560 kHz M1[1] 15.53 dBm 443.0074700 MHz CF 443.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>443.00747 MHz</td><td>15.53 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>443.0099026 MHz</td><td>22.69 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>443.0151474 MHz</td><td>14.26 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.956 kHz</td><td>-0.96 dB</td><td></td><td></td></tr></table> Date: 29.SEP.2020 18:28:00	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		443.00747 MHz	15.53 dBm			T1	1		443.0099026 MHz	22.69 dBm	Occ Bw	5.244755245 kHz	T2	1		443.0151474 MHz	14.26 dBm			D2	M1	1	9.956 kHz	-0.96 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																
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TX-ANL	FM	CH _H	MultiViewSpectrum Ref Level 42.00 dBm Offset 30.50 dB RBW 100 Hz Att 20 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Occupied Bandwidth H1 39.080 dBm H2 13.080 dBm D2[1] -0.97 dB 9.9850 kHz M1[1] 15.26 dBm 479.9824720 MHz CF 479.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz 2 Marker Table <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>479.982472 MHz</td><td>15.26 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>479.9849026 MHz</td><td>22.50 dBm</td><td>Occ Bw</td><td>5.244755245 kHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>479.9901474 MHz</td><td>13.91 dBm</td><td></td><td></td></tr><tr><td>D2</td><td>M1</td><td>1</td><td>9.985 kHz</td><td>-0.97 dB</td><td></td><td></td></tr></table> Date: 29.SEP.2020 18:24:38	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		479.982472 MHz	15.26 dBm			T1	1		479.9849026 MHz	22.50 dBm	Occ Bw	5.244755245 kHz	T2	1		479.9901474 MHz	13.91 dBm			D2	M1	1	9.985 kHz	-0.97 dB		
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep M1[1] 47.32 dBm 400.0125000 MHz CF 400.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 16:19:06 Date: 30.SEP.2020 16:19:06
TX-DNH	4FSK	CH _{M1}	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep M1[1] 47.48 dBm 405.9875000 MHz CF 405.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 16:16:52 Date: 30.SEP.2020 16:16:52
TX-DNH	4FSK	CH _{M2}	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep M1[1] 47.42 dBm 406.1126000 MHz CF 406.1125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 09.10.2020 13:53:07 Date: 9.OCT.2020 13:53:06



Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	MultiView Spectrum Ref Level 50.00 dBm Offset 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep 46.88 dBm M1[1] 443.0125000 MHz 443.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Date: 30.SEP.2020 16:12:51
TX-DNH	4FSK	CH _H	MultiView Spectrum Ref Level 50.00 dBm Offset 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep 47.44 dBm M1[1] 479.9875000 MHz 479.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Date: 30.SEP.2020 16:10:26
TX-DNL	4FSK	CH _L	MultiView Spectrum Ref Level 43.00 dBm Offset 22 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep 41.21 dBm M1[1] 400.0125000 MHz 400.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Date: 30.SEP.2020 14:41:23



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	MultiView Spectrum Ref Level 43.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep IPK View 20% View M1[1] 41.11 dBm 405.9875000 MHz CF 405.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 16:01:35 Date: 30.SEP.2020 16:01:35
TX-DNL	4FSK	CH _{M2}	MultiView Spectrum Ref Level 43.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep IPK View 20% View M1[1] 41.11 dBm 406.1125000 MHz CF 406.1125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 16:03:16 Date: 30.SEP.2020 16:03:16
TX-DNL	4FSK	CH _{M3}	MultiView Spectrum Ref Level 43.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep IPK View 20% View M1[1] 40.59 dBm 443.0125000 MHz CF 443.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 16:05:14 Date: 30.SEP.2020 16:05:14

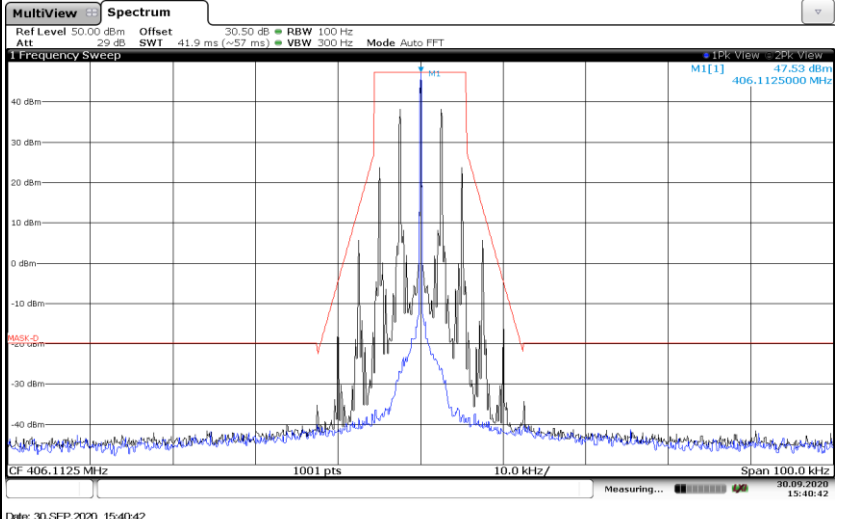
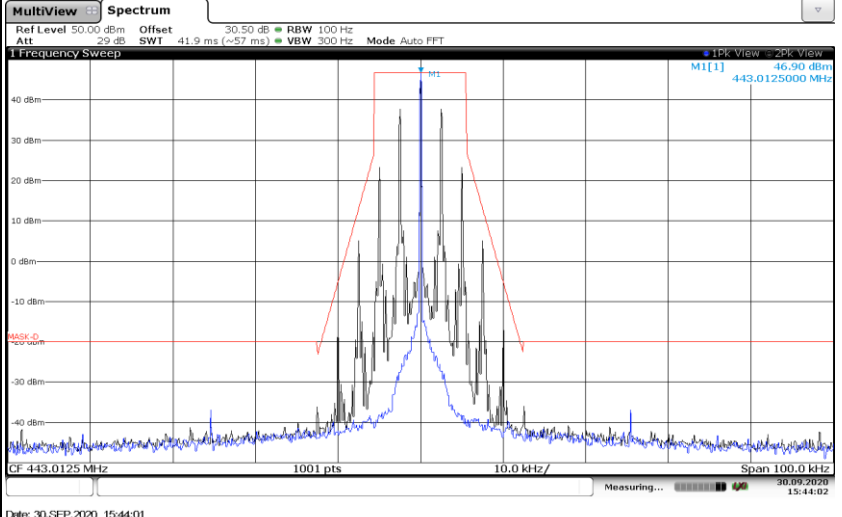
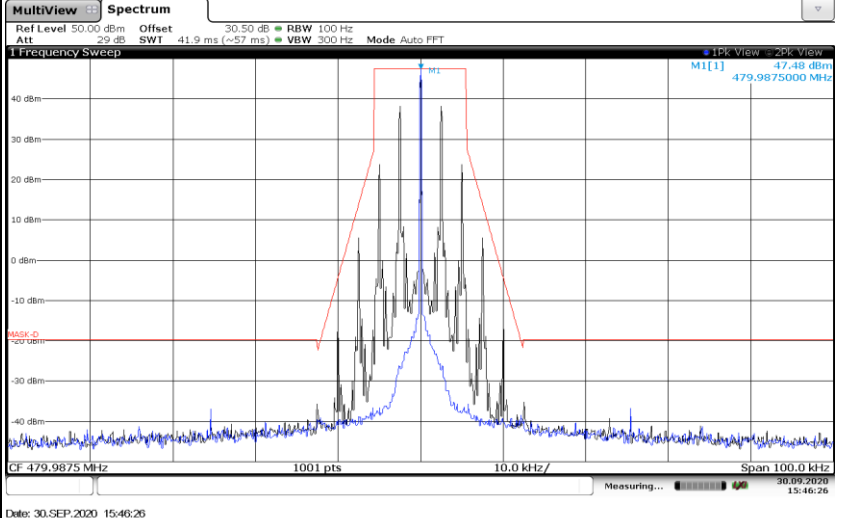


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	
TX-ANH	FM	CH _L	
TX-ANH	FM	CH _{M1}	

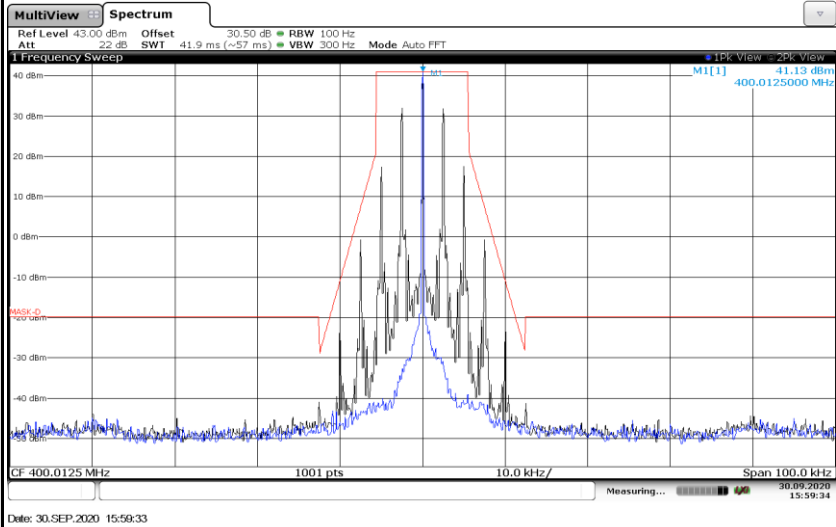
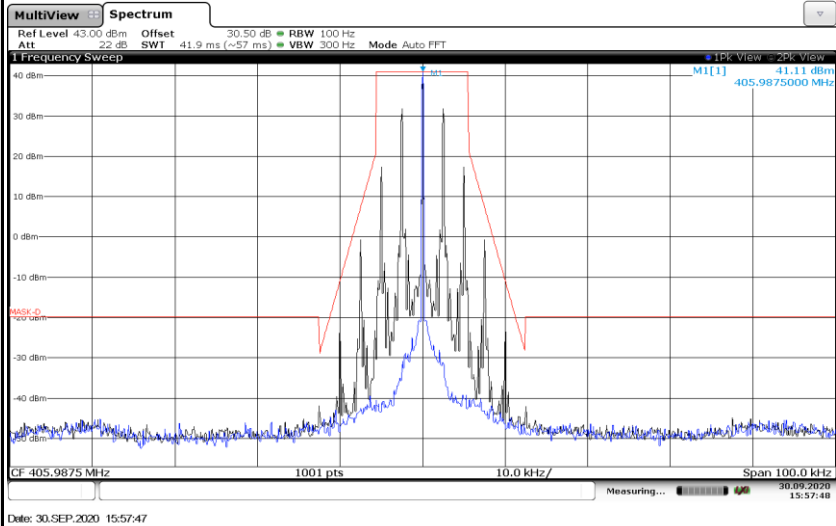
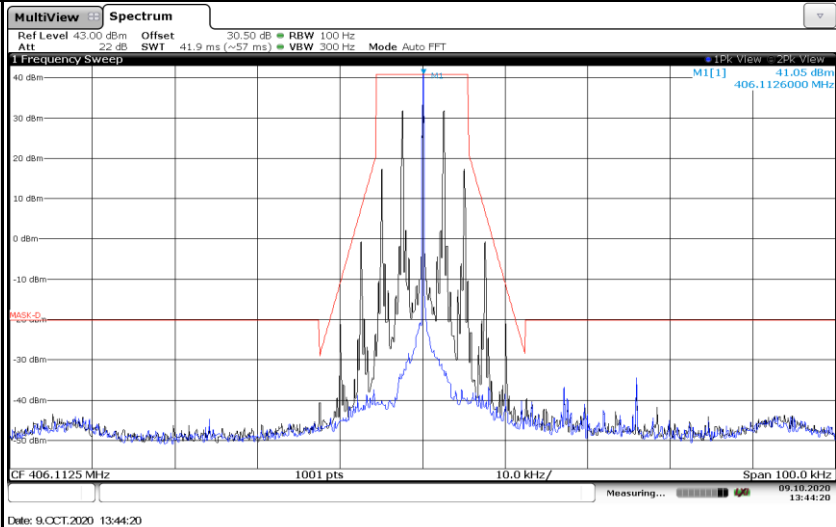


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep M1[1] 47.53 dBm 406.1125000 MHz CF 406.1125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 15:40:42 Date: 30.SEP.2020 15:40:42
TX-ANH	FM	CH _{M3}	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep M1[1] 46.90 dBm 443.0125000 MHz CF 443.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 15:44:02 Date: 30.SEP.2020 15:44:02
TX-ANH	FM	CH _H	 MultiView Spectrum Ref Level 50.00 dBm Offset 30.50 dB RBW 100 Hz Att 29 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep M1[1] 47.48 dBm 479.9875000 MHz CF 479.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 15:46:26 Date: 30.SEP.2020 15:46:26

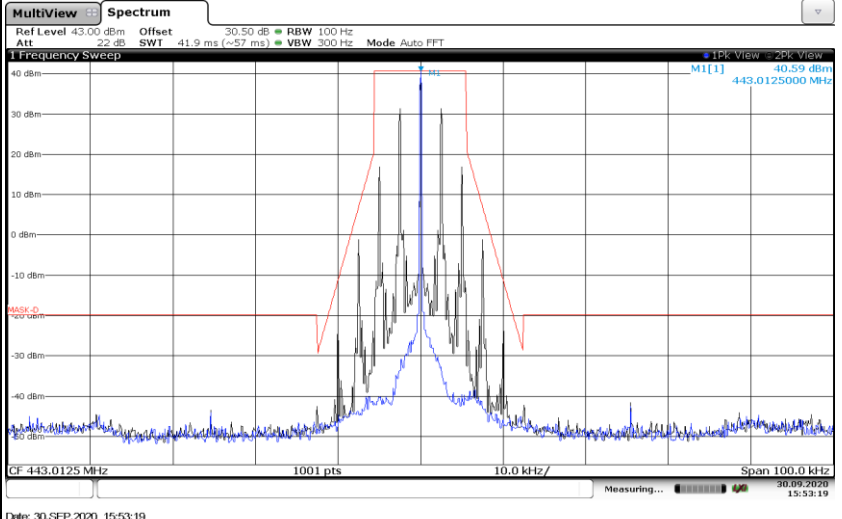
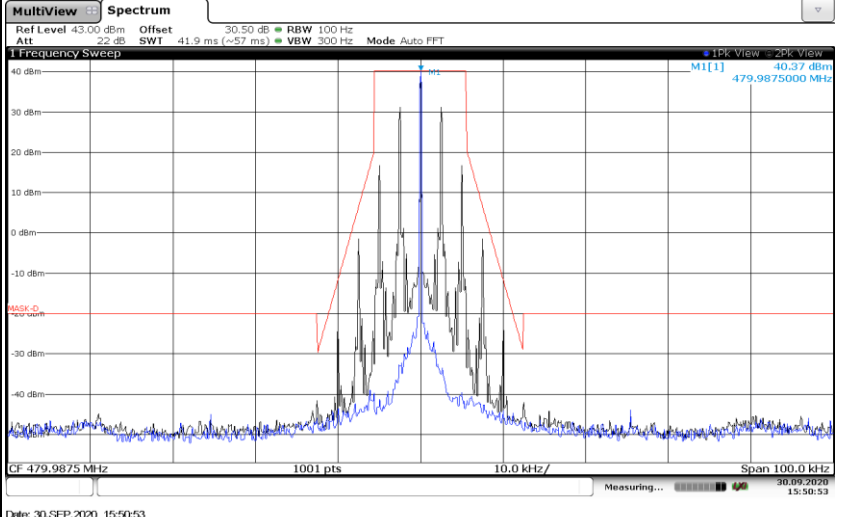


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	
TX-ANL	FM	CH _{M1}	
TX-ANL	FM	CH _{M2}	



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _{M3}	 MultiView Spectrum Ref Level 43.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep IPK View 2PK View M1[1] 40.59 dBm 443.0125000 MHz CF 443.0125 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 15:53:19 Date: 30.SEP.2020 15:53:19
TX-ANL	FM	CH _H	 MultiView Spectrum Ref Level 43.00 dBm Offset 30.50 dB RBW 100 Hz Att 22 dB SWI 41.9 ms (~57 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep IPK View 2PK View M1[1] 40.37 dBm 479.9875000 MHz CF 479.9875 MHz 1001 pts 10.0 kHz/ Span 100.0 kHz Measuring... 30.09.2020 15:50:53 Date: 30.SEP.2020 15:50:53

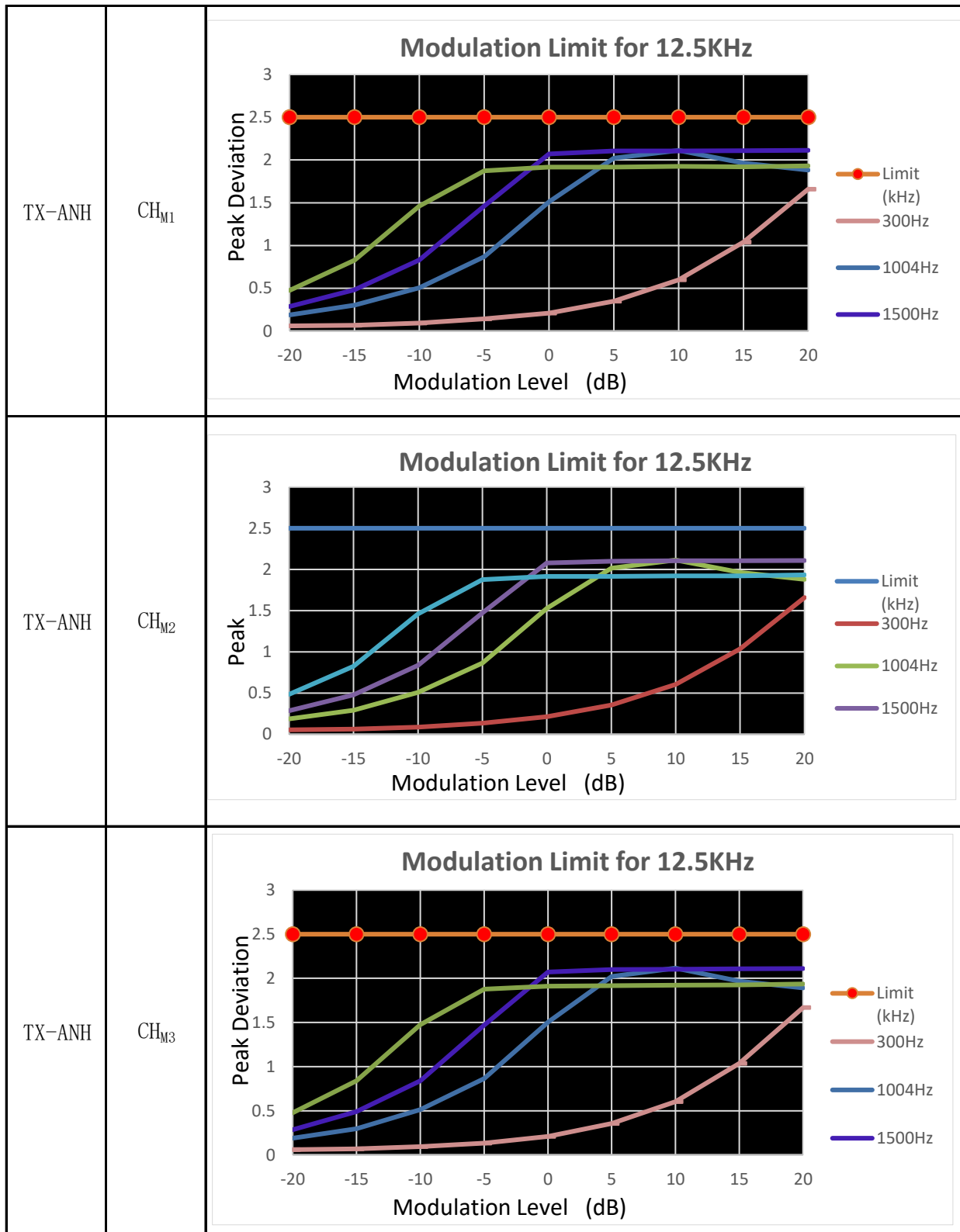
**Appendix D:Modulation Limit**

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 _{M1}	-20	0.06	0.188	0.287	0.475	2.5	PASS
TX-ANH	FM	CH _{M1}	-15	0.067	0.303	0.481	0.827	2.5	PASS
TX-ANH	FM	CH _{M1}	-10	0.092	0.504	0.83	1.46	2.5	PASS
TX-ANH	FM	CH _{M1}	-5	0.142	0.867	1.46	1.873	2.5	PASS
TX-ANH	FM	CH _{M1}	0	0.209	1.509	2.072	1.917	2.5	PASS
TX-ANH	FM	CH _{M1}	5	0.348	2.022	2.106	1.917	2.5	PASS
TX-ANH	FM	CH _{M1}	10	0.599	2.112	2.106	1.925	2.5	PASS
TX-ANH	FM	CH _{M1}	15	1.04	1.963	2.109	1.921	2.5	PASS
TX-ANH	FM	CH _{M1}	20	1.659	1.881	2.113	1.931	2.5	PASS
TX-ANH	FM	CH _{M2}	-20	0.054	0.187	0.286	0.485	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.062	0.293	0.479	0.824	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.086	0.509	0.837	1.462	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.135	0.865	1.474	1.877	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.213	1.528	2.077	1.917	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.356	2.015	2.1	1.917	2.5	PASS
TX-ANH	FM	CH _{M2}	10	0.604	2.114	2.104	1.923	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.036	1.964	2.105	1.921	2.5	PASS
TX-ANH	FM	CH _{M2}	20	1.659	1.879	2.108	1.934	2.5	PASS
TX-ANH	FM	CH _{M3}	-20	0.059	0.189	0.285	0.477	2.5	PASS
TX-ANH	FM	CH _{M3}	-15	0.069	0.297	0.489	0.84	2.5	PASS
TX-ANH	FM	CH _{M3}	-10	0.093	0.512	0.839	1.474	2.5	PASS
TX-ANH	FM	CH _{M3}	-5	0.134	0.864	1.469	1.877	2.5	PASS
TX-ANH	FM	CH _{M3}	0	0.209	1.503	2.072	1.91	2.5	PASS
TX-ANH	FM	CH _{M3}	5	0.355	2.021	2.099	1.918	2.5	PASS
TX-ANH	FM	CH _{M3}	10	0.602	2.116	2.103	1.922	2.5	PASS
TX-ANH	FM	CH _{M3}	15	1.036	1.967	2.108	1.924	2.5	PASS
TX-ANH	FM	CH _{M3}	20	1.668	1.891	2.111	1.936	2.5	PASS



Appendix D:Modulation Limit

TEST PLOT RESULT



**Appendix E:Audio Frequency Response**

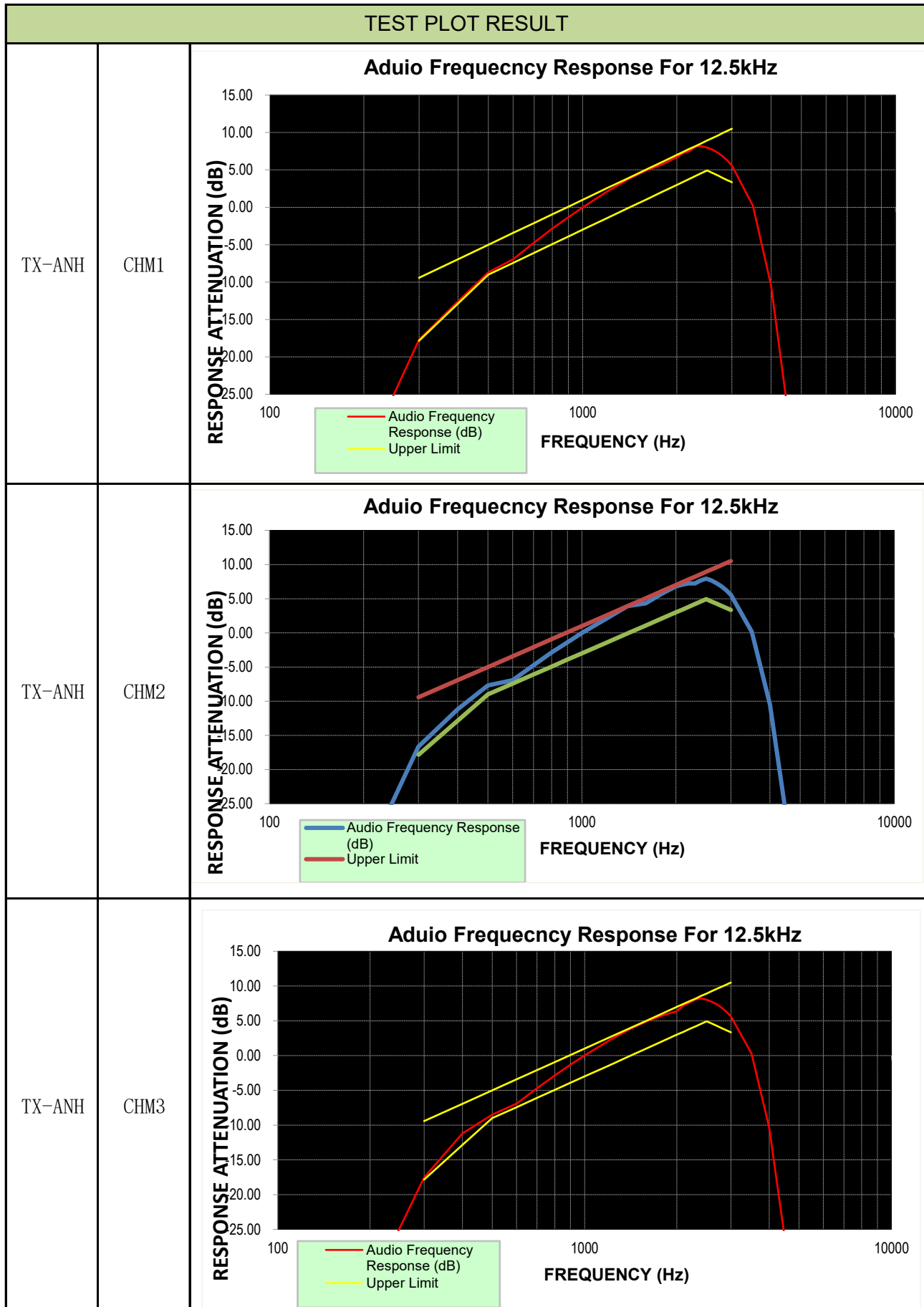
Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M1}	100	-33.57			PASS
TX-ANH	FM	CH _{M1}	200	-33.72			PASS
TX-ANH	FM	CH _{M1}	300	-17.66	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M1}	400	-12.54	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M1}	500	-8.69	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M1}	600	-6.95	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M1}	700	-4.71	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M1}	800	-2.83	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M1}	900	-1.33	-3.91	0.09	PASS
TX-ANH	FM	CH _{M1}	1000	-0.03	-3.00	1.00	PASS
TX-ANH	FM	CH _{M1}	1200	2.14	-1.42	2.58	PASS
TX-ANH	FM	CH _{M1}	1400	3.78	-0.09	3.91	PASS
TX-ANH	FM	CH _{M1}	1600	4.96	1.07	5.07	PASS
TX-ANH	FM	CH _{M1}	1800	5.74	2.09	6.09	PASS
TX-ANH	FM	CH _{M1}	2000	6.69	3.00	7.00	PASS
TX-ANH	FM	CH _{M1}	2100	7.28	3.42	7.42	PASS
TX-ANH	FM	CH _{M1}	2200	7.53	3.83	7.83	PASS
TX-ANH	FM	CH _{M1}	2300	8.17	4.21	8.21	PASS
TX-ANH	FM	CH _{M1}	2400	8.17	4.58	8.58	PASS
TX-ANH	FM	CH _{M1}	2500	7.98	4.93	8.93	PASS
TX-ANH	FM	CH _{M1}	2600	7.71	4.59	9.27	PASS
TX-ANH	FM	CH _{M1}	2700	7.33	4.27	9.60	PASS
TX-ANH	FM	CH _{M1}	2800	6.85	3.95	9.91	PASS
TX-ANH	FM	CH _{M1}	2900	6.28	3.65	10.22	PASS
TX-ANH	FM	CH _{M1}	3000	5.59	3.35	10.51	PASS
TX-ANH	FM	CH _{M1}	3500	0.21			PASS
TX-ANH	FM	CH _{M1}	4000	-10.43			PASS
TX-ANH	FM	CH _{M1}	4500	-26.64			PASS
TX-ANH	FM	CH _{M1}	5000	-33.31			PASS
TX-ANH	FM	CH _{M2}	100	-33.81			PASS
TX-ANH	FM	CH _{M2}	200	-33.80			PASS
TX-ANH	FM	CH _{M2}	300	-16.65	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-11.20	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-7.69	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-6.93	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-4.76	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.88	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.38	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.02	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	2.11	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	3.90	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.33	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.71	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	6.79	3.00	7.00	PASS

**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 _{M2}	2100	7.06	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	7.22	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	7.23	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	7.68	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.94	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	7.65	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	7.28	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	6.80	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	6.23	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	5.54	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	0.17			PASS
TX-ANH	FM	CH _{M2}	4000	-10.45			PASS
TX-ANH	FM	CH _{M2}	4500	-26.56			PASS
TX-ANH	FM	CH _{M2}	5000	-33.56			PASS
TX-ANH	FM	CH _{M3}	100	-33.80			PASS
TX-ANH	FM	CH _{M3}	200	-33.64			PASS
TX-ANH	FM	CH _{M3}	300	-17.52	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M3}	400	-11.19	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M3}	500	-8.51	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M3}	600	-6.91	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M3}	700	-4.70	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M3}	800	-2.85	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M3}	900	-1.31	-3.91	0.09	PASS
TX-ANH	FM	CH _{M3}	1000	0.03	-3.00	1.00	PASS
TX-ANH	FM	CH _{M3}	1200	2.17	-1.42	2.58	PASS
TX-ANH	FM	CH _{M3}	1400	3.78	-0.09	3.91	PASS
TX-ANH	FM	CH _{M3}	1600	4.95	1.07	5.07	PASS
TX-ANH	FM	CH _{M3}	1800	5.77	2.09	6.09	PASS
TX-ANH	FM	CH _{M3}	2000	6.38	3.00	7.00	PASS
TX-ANH	FM	CH _{M3}	2100	7.21	3.42	7.42	PASS
TX-ANH	FM	CH _{M3}	2200	7.64	3.83	7.83	PASS
TX-ANH	FM	CH _{M3}	2300	8.09	4.21	8.21	PASS
TX-ANH	FM	CH _{M3}	2400	8.21	4.58	8.58	PASS
TX-ANH	FM	CH _{M3}	2500	8.02	4.93	8.93	PASS
TX-ANH	FM	CH _{M3}	2600	7.74	4.59	9.27	PASS
TX-ANH	FM	CH _{M3}	2700	7.36	4.27	9.60	PASS
TX-ANH	FM	CH _{M3}	2800	6.89	3.95	9.91	PASS
TX-ANH	FM	CH _{M3}	2900	6.32	3.65	10.22	PASS
TX-ANH	FM	CH _{M3}	3000	5.63	3.35	10.51	PASS
TX-ANH	FM	CH _{M3}	3500	0.26			PASS
TX-ANH	FM	CH _{M3}	4000	-10.36			PASS
TX-ANH	FM	CH _{M3}	4500	-26.56			PASS
TX-ANH	FM	CH _{M3}	5000	-33.91			PASS



Appendix E:Audio Frequency Response





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

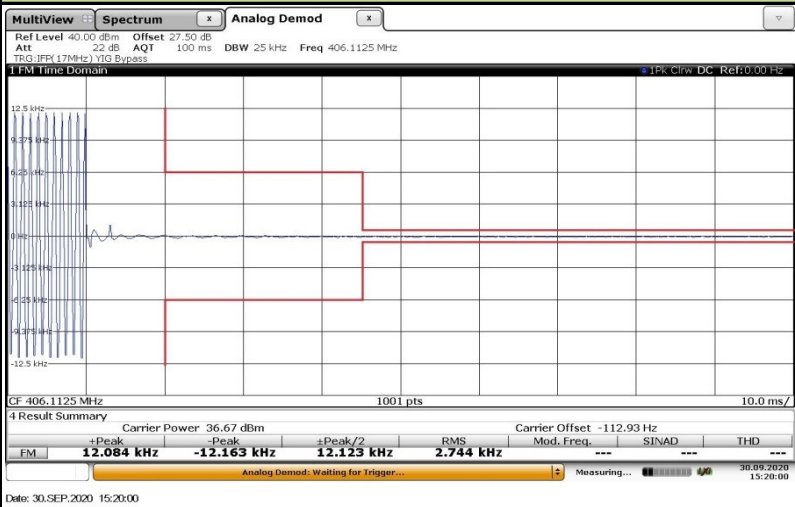
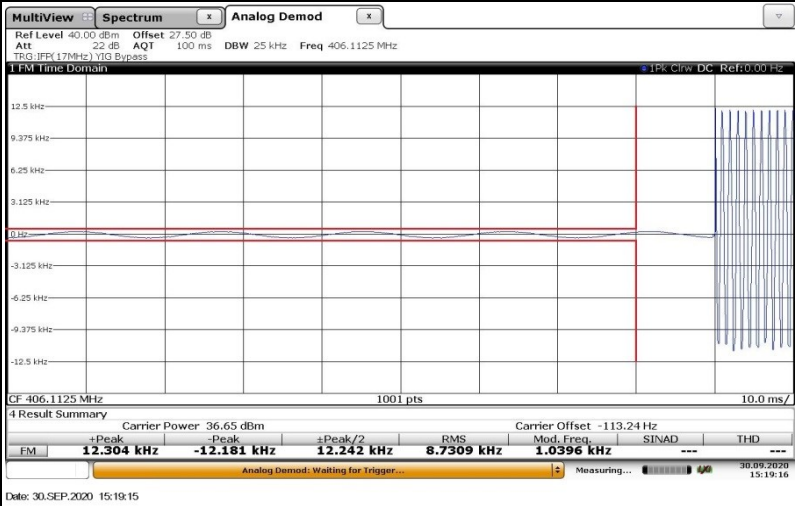
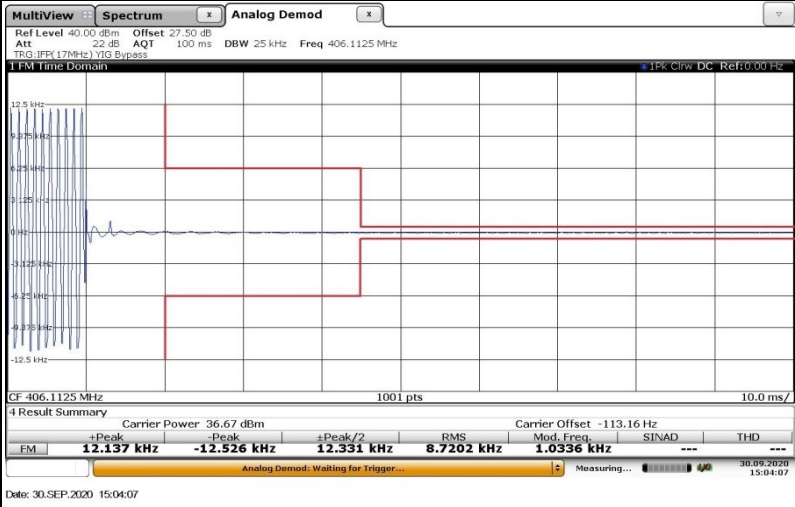
Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _{M4}		
TX-DNH	4FSK	V _N	-30	0.253	0.185	0.158	0.178	0.207	±2.5	PASS
TX-DNH	4FSK	V _N	-20	0.253	0.178	0.159	0.176	0.198	±2.5	PASS
TX-DNH	4FSK	V _N	-10	0.257	0.194	0.158	0.170	0.208	±2.5	PASS
TX-DNH	4FSK	V _N	0	0.240	0.181	0.154	0.169	0.208	±2.5	PASS
TX-DNH	4FSK	V _N	10	0.240	0.192	0.158	0.174	0.207	±2.5	PASS
TX-DNH	4FSK	V _N	20	0.236	0.177	0.154	0.166	0.189	±2.5	PASS
TX-DNH	4FSK	V _N	30	0.258	0.191	0.157	0.171	0.190	±2.5	PASS
TX-DNH	4FSK	V _N	40	0.241	0.179	0.165	0.178	0.193	±2.5	PASS
TX-DNH	4FSK	V _N	55	0.242	0.182	0.161	0.170	0.203	±2.5	PASS
TX-DNL	4FSK	V _N	-30	0.228	0.183	0.168	0.158	0.183	±2.5	PASS
TX-DNL	4FSK	V _N	-20	0.237	0.195	0.168	0.157	0.182	±2.5	PASS
TX-DNL	4FSK	V _N	-10	0.236	0.196	0.162	0.170	0.182	±2.5	PASS
TX-DNL	4FSK	V _N	0	0.246	0.183	0.160	0.164	0.182	±2.5	PASS
TX-DNL	4FSK	V _N	10	0.242	0.195	0.176	0.163	0.181	±2.5	PASS
TX-DNL	4FSK	V _N	20	0.227	0.179	0.160	0.156	0.175	±2.5	PASS
TX-DNL	4FSK	V _N	30	0.231	0.188	0.163	0.156	0.182	±2.5	PASS
TX-DNL	4FSK	V _N	40	0.235	0.193	0.167	0.165	0.184	±2.5	PASS
TX-DNL	4FSK	V _N	55	0.229	0.189	0.175	0.168	0.187	±2.5	PASS
TX-ANH	FM	V _N	-30	0.136	0.158	0.142	0.154	0.178	±2.5	PASS
TX-ANH	FM	V _N	-20	0.135	0.147	0.155	0.152	0.180	±2.5	PASS
TX-ANH	FM	V _N	-10	0.132	0.153	0.142	0.152	0.177	±2.5	PASS
TX-ANH	FM	V _N	0	0.138	0.148	0.150	0.162	0.177	±2.5	PASS
TX-ANH	FM	V _N	10	0.134	0.156	0.143	0.162	0.184	±2.5	PASS
TX-ANH	FM	V _N	20	0.128	0.146	0.142	0.148	0.177	±2.5	PASS
TX-ANH	FM	V _N	30	0.136	0.152	0.145	0.152	0.189	±2.5	PASS
TX-ANH	FM	V _N	40	0.133	0.160	0.153	0.149	0.181	±2.5	PASS
TX-ANH	FM	V _N	55	0.130	0.155	0.154	0.161	0.193	±2.5	PASS
TX-ANL	FM	V _N	-30	0.131	0.157	0.140	0.151	0.191	±2.5	PASS
TX-ANL	FM	V _N	-20	0.139	0.146	0.138	0.148	0.181	±2.5	PASS
TX-ANL	FM	V _N	-10	0.135	0.146	0.149	0.152	0.177	±2.5	PASS
TX-ANL	FM	V _N	0	0.136	0.156	0.145	0.145	0.190	±2.5	PASS
TX-ANL	FM	V _N	10	0.128	0.148	0.145	0.156	0.185	±2.5	PASS
TX-ANL	FM	V _N	20	0.127	0.143	0.137	0.145	0.175	±2.5	PASS
TX-ANL	FM	V _N	30	0.131	0.147	0.139	0.147	0.190	±2.5	PASS
TX-ANL	FM	V _N	40	0.130	0.155	0.142	0.151	0.178	±2.5	PASS
TX-ANL	FM	V _N	55	0.135	0.145	0.149	0.148	0.182	±2.5	PASS

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

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	T _N	0.236	0.177	0.154	0.166	0.189	±2.5	PASS
TX-DNH	4FSK	V _L	T _N	0.239	0.180	0.156	0.169	0.190	±2.5	PASS
TX-DNH	4FSK	V _H	T _N	0.246	0.186	0.161	0.167	0.195	±2.5	PASS
TX-DNL	4FSK	V _N	T _N	0.227	0.179	0.160	0.156	0.175	±2.5	PASS
TX-DNL	4FSK	V _L	T _N	0.228	0.182	0.161	0.158	0.176	±2.5	PASS
TX-DNL	4FSK	V _H	T _N	0.238	0.190	0.163	0.158	0.179	±2.5	PASS
TX-ANH	FM	V _N	T _N	0.128	0.146	0.142	0.148	0.177	±2.5	PASS
TX-ANH	FM	V _L	T _N	0.130	0.147	0.142	0.149	0.178	±2.5	PASS
TX-ANH	FM	V _H	T _N	0.134	0.147	0.145	0.152	0.180	±2.5	PASS
TX-ANL	FM	V _N	T _N	0.127	0.143	0.137	0.145	0.175	±2.5	PASS
TX-ANL	FM	V _L	T _N	0.127	0.146	0.137	0.146	0.176	±2.5	PASS
TX-ANL	FM	V _H	T _N	0.130	0.149	0.144	0.152	0.176	±2.5	PASS



Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																				
TX-DNH	4FSK	CH _{M2}	 MultiView Spectrum Analog Demod Ref Level 40.00 dBm Offset 27.50 dB Att 22 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFX(17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td>Carrier Power</td><td>36.67 dBm</td><td>Carrier Offset</td><td>-112.93 Hz</td></tr><tr><td>+Peak</td><td>12.084 kHz</td><td>-Peak</td><td>-12.163 kHz</td></tr><tr><td>+Peak/2</td><td>12.123 kHz</td><td>RMS</td><td>2.744 kHz</td></tr><tr><td>Mod. Freq.</td><td>---</td><td>SINAD</td><td>---</td></tr><tr><td>THD</td><td>---</td><td></td><td>---</td></tr></table> Analog Demod: Waiting for Trigger... Date: 30.SEP.2020 15:20:00 OFF~ON	Carrier Power	36.67 dBm	Carrier Offset	-112.93 Hz	+Peak	12.084 kHz	-Peak	-12.163 kHz	+Peak/2	12.123 kHz	RMS	2.744 kHz	Mod. Freq.	---	SINAD	---	THD	---		---
Carrier Power	36.67 dBm	Carrier Offset	-112.93 Hz																				
+Peak	12.084 kHz	-Peak	-12.163 kHz																				
+Peak/2	12.123 kHz	RMS	2.744 kHz																				
Mod. Freq.	---	SINAD	---																				
THD	---		---																				
TX-DNH	4FSK	CH _{M2}	 MultiView Spectrum Analog Demod Ref Level 40.00 dBm Offset 27.50 dB Att 22 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFX(17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td>Carrier Power</td><td>36.65 dBm</td><td>Carrier Offset</td><td>-113.24 Hz</td></tr><tr><td>+Peak</td><td>12.304 kHz</td><td>-Peak</td><td>-12.161 kHz</td></tr><tr><td>+Peak/2</td><td>12.242 kHz</td><td>RMS</td><td>8.7309 kHz</td></tr><tr><td>Mod. Freq.</td><td>---</td><td>SINAD</td><td>---</td></tr><tr><td>THD</td><td>---</td><td></td><td>---</td></tr></table> Analog Demod: Waiting for Trigger... Date: 30.SEP.2020 15:19:15 ON-OFF	Carrier Power	36.65 dBm	Carrier Offset	-113.24 Hz	+Peak	12.304 kHz	-Peak	-12.161 kHz	+Peak/2	12.242 kHz	RMS	8.7309 kHz	Mod. Freq.	---	SINAD	---	THD	---		---
Carrier Power	36.65 dBm	Carrier Offset	-113.24 Hz																				
+Peak	12.304 kHz	-Peak	-12.161 kHz																				
+Peak/2	12.242 kHz	RMS	8.7309 kHz																				
Mod. Freq.	---	SINAD	---																				
THD	---		---																				
TX-ANH	FM	CH _{M2}	 MultiView Spectrum Analog Demod Ref Level 40.00 dBm Offset 27.50 dB Att 22 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFX(17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td>Carrier Power</td><td>36.67 dBm</td><td>Carrier Offset</td><td>-113.16 Hz</td></tr><tr><td>+Peak</td><td>12.137 kHz</td><td>-Peak</td><td>-12.526 kHz</td></tr><tr><td>+Peak/2</td><td>12.331 kHz</td><td>RMS</td><td>8.7202 kHz</td></tr><tr><td>Mod. Freq.</td><td>---</td><td>SINAD</td><td>---</td></tr><tr><td>THD</td><td>---</td><td></td><td>---</td></tr></table> Analog Demod: Waiting for Trigger... Date: 30.SEP.2020 15:04:07 OFF~ON	Carrier Power	36.67 dBm	Carrier Offset	-113.16 Hz	+Peak	12.137 kHz	-Peak	-12.526 kHz	+Peak/2	12.331 kHz	RMS	8.7202 kHz	Mod. Freq.	---	SINAD	---	THD	---		---
Carrier Power	36.67 dBm	Carrier Offset	-113.16 Hz																				
+Peak	12.137 kHz	-Peak	-12.526 kHz																				
+Peak/2	12.331 kHz	RMS	8.7202 kHz																				
Mod. Freq.	---	SINAD	---																				
THD	---		---																				



Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																					
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 40.00 dBm Offset 27.50 dB Att 22 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: IPR (17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 Hz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power</td><td>36.65 dBm</td><td></td><td>Carrier Offset</td><td>-112.82 Hz</td><td></td></tr><tr><td>FM</td><td>+Peak</td><td>12.117 kHz</td><td>-Peak</td><td>-13.579 kHz</td><td>+Peak/2</td><td>12.848 kHz</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>RMS</td><td>2.7557 kHz</td></tr></table> Analogue Demod: Waiting for Trigger... Measuring... 30.09.2020 15:05:08 Date: 30.SEP.2020 15:05:08		Carrier Power	36.65 dBm		Carrier Offset	-112.82 Hz		FM	+Peak	12.117 kHz	-Peak	-13.579 kHz	+Peak/2	12.848 kHz						RMS	2.7557 kHz
	Carrier Power	36.65 dBm		Carrier Offset	-112.82 Hz																			
FM	+Peak	12.117 kHz	-Peak	-13.579 kHz	+Peak/2	12.848 kHz																		
					RMS	2.7557 kHz																		

ON-OFF

ON-OFF



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																		
TX-DNH	4FSK	CH _L	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -26.08 dBm 2.378144000 GHz M1[1] -25.10 dBm 4.762320000 GHz SPURIOUS_LINE_ABS_001 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-2.49 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.76232 GHz</td><td>-25.10 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:26:26 Measuring... 30.09.2020 16:26:26	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-2.49 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.76232 GHz	-25.10 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-2.49 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.76232 GHz	-25.10 dBm	-200.00 dB																
TX-DNH	4FSK	CH _{M1}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -25.72 dBm 2.503141000 GHz M1[1] -25.16 dBm 1.218056000 GHz SPURIOUS_LINE_ABS_001 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-10.96 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21806 GHz</td><td>-25.16 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:27:43 Measuring... 30.09.2020 16:27:43	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-10.96 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-25.16 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-10.96 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-25.16 dBm	-200.00 dB																
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -25.63 dBm 1.039436000 GHz M1[1] -24.25 dBm 1.218056000 GHz SPURIOUS_LINE_ABS_001 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-11.10 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21806 GHz</td><td>-24.25 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:28:41 Measuring... 30.09.2020 16:28:41	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-11.10 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-24.25 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-11.10 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.21806 GHz	-24.25 dBm	-200.00 dB																



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																		
TX-DNH	4FSK	CH _{M3}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -26.03 dBm 1.329177000 GHz M1[1] -25.17 dBm 4.634949000 GHz SPURIOUS_LINE_ABS_001 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>221.49323 MHz</td><td>-26.98 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.63495 GHz</td><td>-25.17 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:30:58 Measuring... 30.09.2020 16:30:58	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	221.49323 MHz	-26.98 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.63495 GHz	-25.17 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	221.49323 MHz	-26.98 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.63495 GHz	-25.17 dBm	-200.00 dB																
TX-DNH	4FSK	CH _H	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -26.36 dBm 4.422706000 GHz M1[1] -26.09 dBm 4.821443000 GHz SPURIOUS_LINE_ABS_001 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>299.96984 MHz</td><td>-28.17 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.82144 GHz</td><td>-26.09 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:31:53 Measuring... 30.09.2020 16:31:53	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	299.96984 MHz	-28.17 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.82144 GHz	-26.09 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	299.96984 MHz	-28.17 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.82144 GHz	-26.09 dBm	-200.00 dB																
TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -25.02 dBm 1.200181000 GHz M2[1] -25.82 dBm 4.778819000 GHz SPURIOUS_LINE_ABS_001 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>399.99797 MHz</td><td>-2.56 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.20018 GHz</td><td>-25.02 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:36:27 Measuring... 30.09.2020 16:36:27	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-2.56 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.20018 GHz	-25.02 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-2.56 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.20018 GHz	-25.02 dBm	-200.00 dB																



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																		
TX-ANH	FM	CH _{M1}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -25.34 dBm 1.217806000 GHz M2[1] -25.39 dBm 4.992688000 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-11.06 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21781 GHz</td><td>-25.34 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:35:24	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-11.06 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21781 GHz	-25.34 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-11.06 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.21781 GHz	-25.34 dBm	-200.00 dB																
TX-ANH	FM	CH _{M2}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -24.82 dBm 1.218181000 GHz M2[1] -25.81 dBm 4.423706000 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-11.18 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21818 GHz</td><td>-24.82 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:34:32	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-11.18 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21818 GHz	-24.82 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-11.18 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.21818 GHz	-24.82 dBm	-200.00 dB																
TX-ANH	FM	CH _{M3}	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions M2[1] -25.76 dBm 4.868317000 GHz M1[1] -24.58 dBm 1.328927000 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>443.01006 MHz</td><td>-28.74 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.32893 GHz</td><td>-24.58 dBm</td><td>-200.00 dB</td></tr></table> Date: 30.SEP.2020 16:33:38	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	443.01006 MHz	-28.74 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.32893 GHz	-24.58 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	443.01006 MHz	-28.74 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	1.32893 GHz	-24.58 dBm	-200.00 dB																



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																		
TX-ANH	FM	CH _H	MultiViewSpectrum Ref Level 50.00 dBm Offset 30.50 dB Mode Auto Sweep 1 Spurious Emissions 40 dBm 30 dBm 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm SPURIOUS_LINE_ABS_001 M1[1] M2[1] 4.856067000 GHz 4.441580000 GHz 25.11 dBm -26.11 dBm 30.0 MHz 64002 pts 497.0 MHz/ 5.0 GHz 2 Result Summary <table><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>300.00016 MHz</td><td>-28.11 dBm</td><td>-200.00 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>4.85607 GHz</td><td>-25.11 dBm</td><td>-200.00 dB</td></tr></table> Measuring... 30.09.2020 16:32:53 Date: 30.SEP.2020 16:32:53	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	30.000 MHz	1.000 GHz	100.000 kHz	300.00016 MHz	-28.11 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.85607 GHz	-25.11 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																
30.000 MHz	1.000 GHz	100.000 kHz	300.00016 MHz	-28.11 dBm	-200.00 dB																
1.000 GHz	5.000 GHz	1.000 MHz	4.85607 GHz	-25.11 dBm	-200.00 dB																

-----End of Report-----