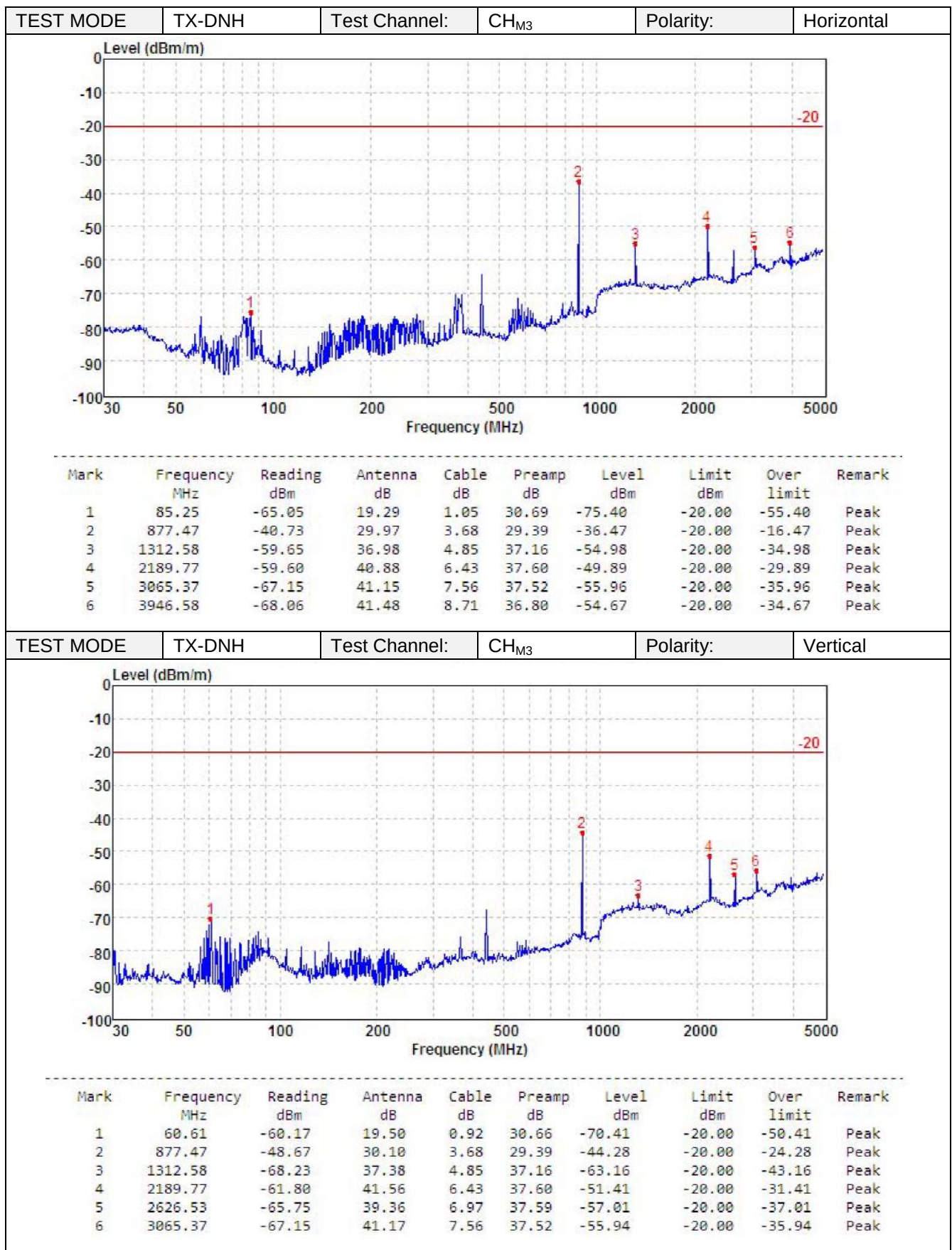
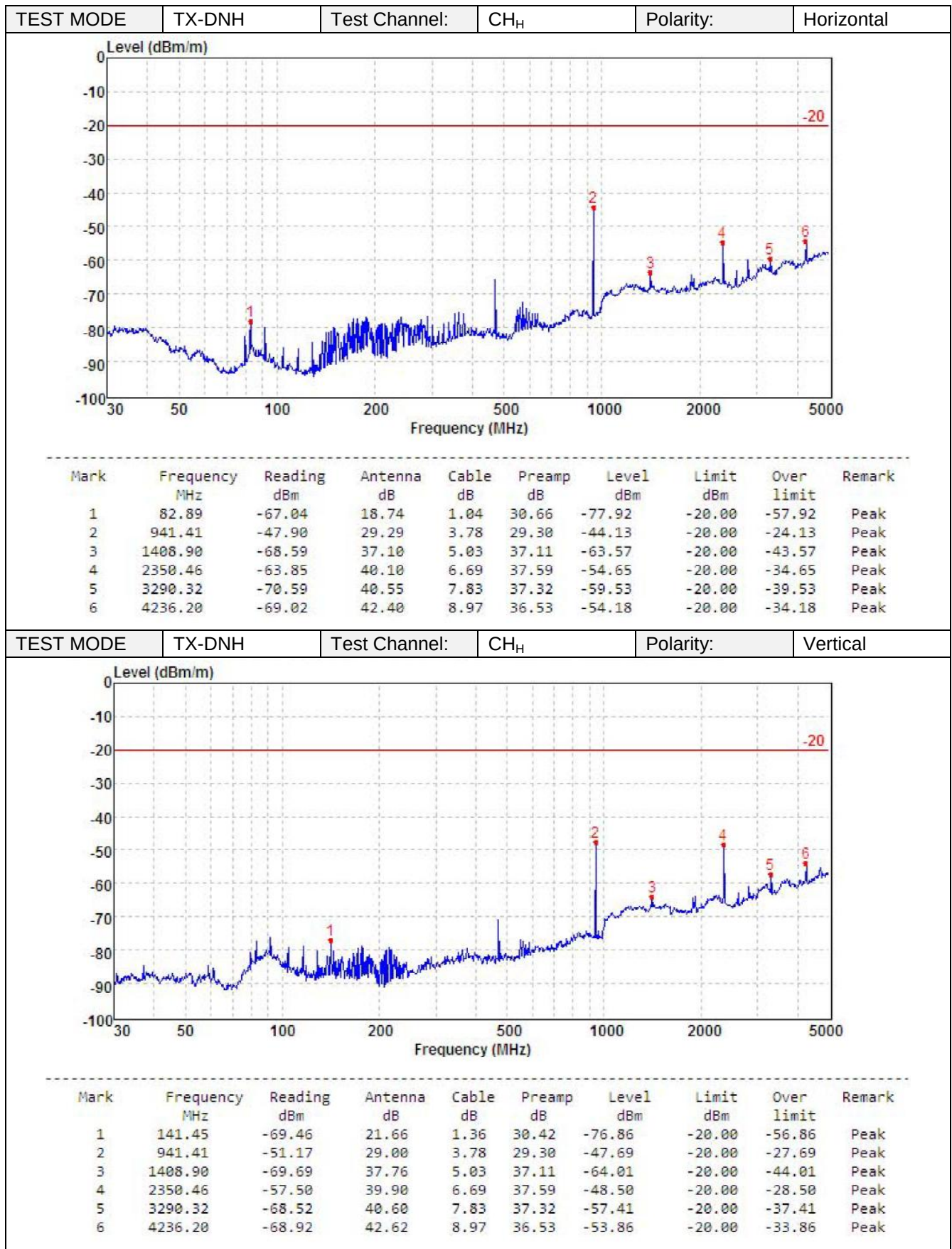






5.11 AC Power Line Conducted Emission

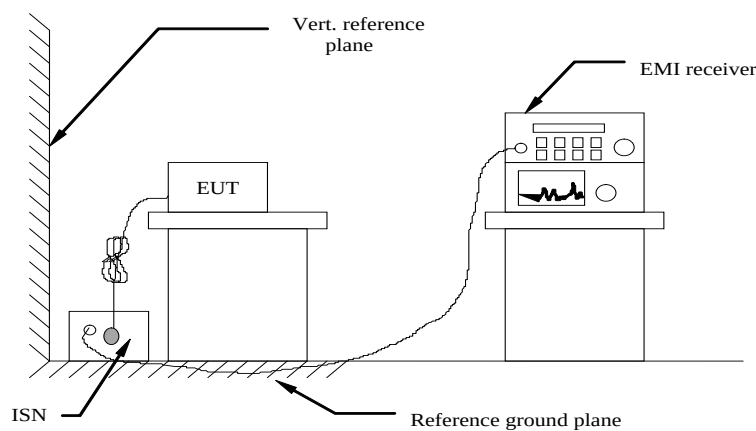
The frequency spectrum from 0.15 MHz to 30 MHz was investigated. The LISN used was 50 ohm / 50 u Henry as specified by section 5.1 of ANSI C63.4. Cables and peripherals were moved to find the maximum emission levels for each frequency.

Limit

FCC part 15.107(a)

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4
- 2 Support equipment, if needed, was placed as per ANSI C63.4
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4 If a EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

TEST MODE

Please reference to the section 3.4

TEST RESULTS

☐ Passed ☒ Not Applicable

5.12 Radiated Emission

LIMIT

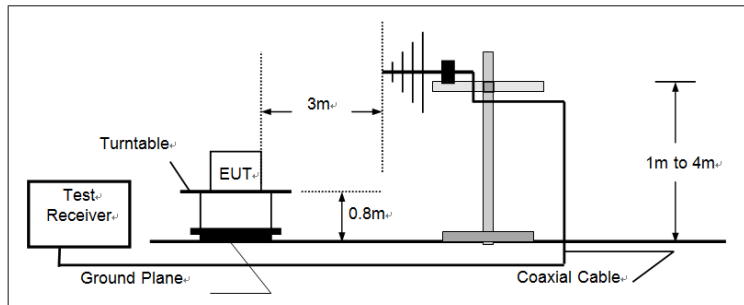
For unintentional device, according to § 15.109(a) except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of emission (MHz)	Field strength (microvolts/meter)
30-88	100
88-216	150
216-960	200
Above 960	500

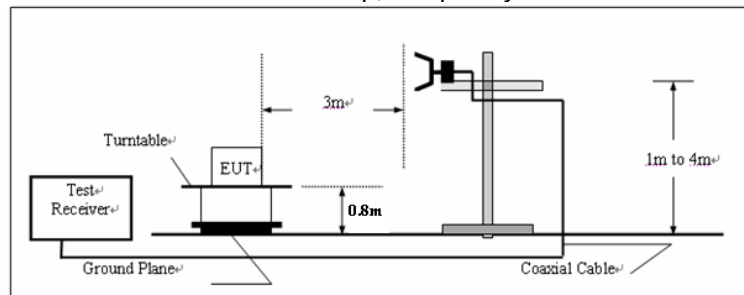
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

TEST CONFIGURATION

(A) Radiated Emission Test Set-Up, Frequency below 1000MHz



(B) Radiated Emission Test Set-Up, Frequency above 1000MHz



TEST PROCEDURE

- 1 The EUT was placed on a turn table which is 0.8m above ground plane.
- 2 Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT
- 3 And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 4 Repeat above procedures until all frequency measurements have been completed.

TEST MODE

Please reference to the section 3.4

TEST RESULTS

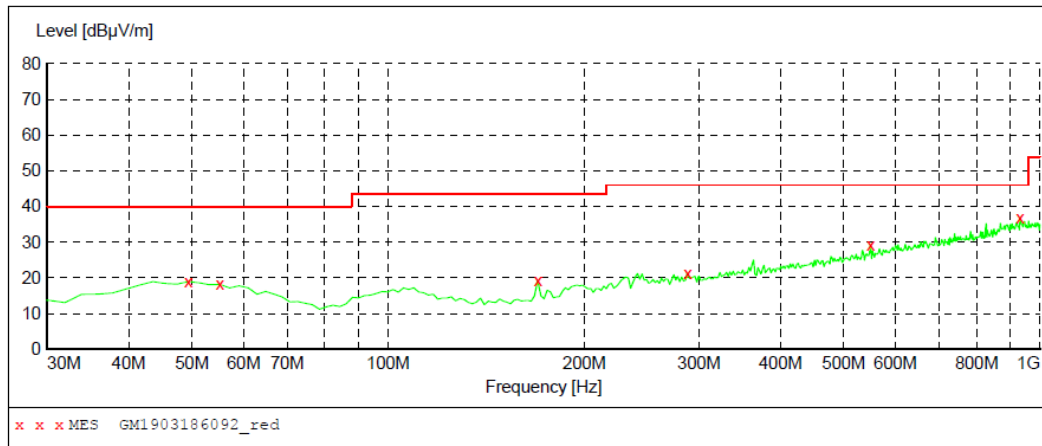
☒ Passed ☐ Not Applicable

Note:

The EUT shall be scanned from 30 MHz to the 5th harmonic of the highest oscillator frequency in the digital devices or 1 GHz whichever is higher.

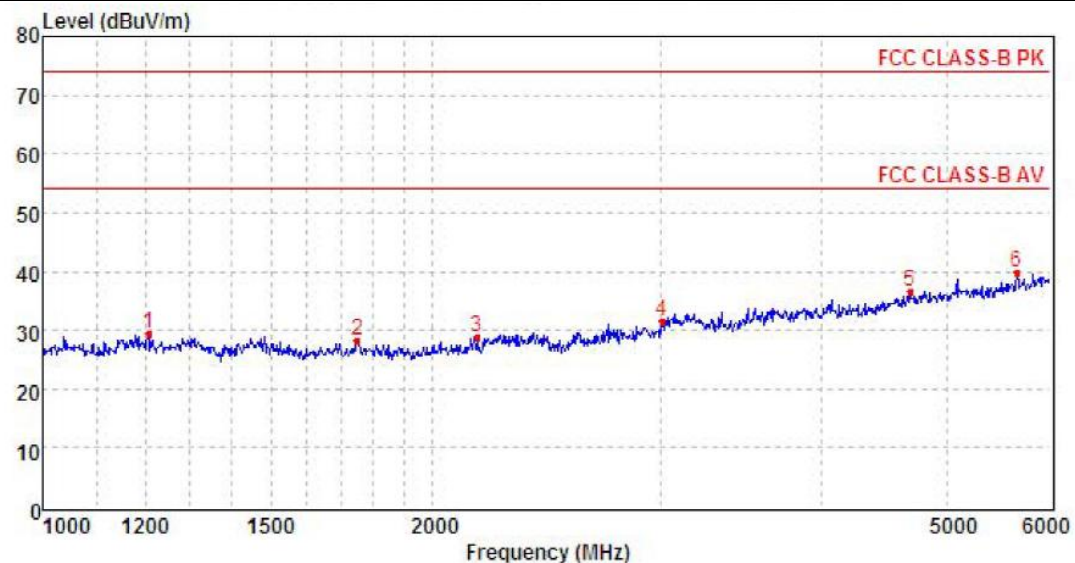
Polarity:

Horizontal

**MEASUREMENT RESULT: "GM1903186092_red"**

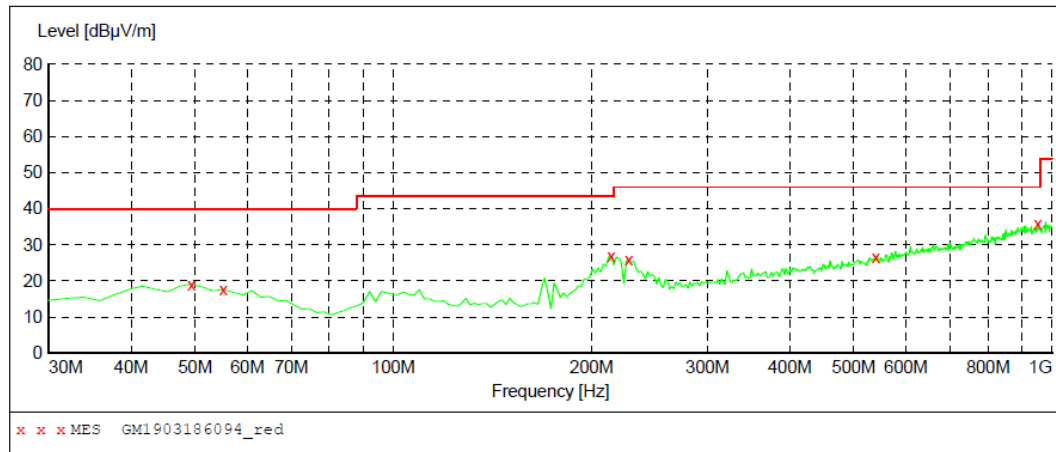
3/18/2019 4:30PM

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	19.00	-8.7	40.0	21.0	QP	100.0	0.00	HORIZONTAL
55.220000	18.20	-9.1	40.0	21.8	QP	300.0	208.00	HORIZONTAL
169.680000	19.30	-12.7	43.5	24.2	QP	100.0	62.00	HORIZONTAL
288.020000	21.40	-7.2	46.0	24.6	QP	100.0	37.00	HORIZONTAL
549.920000	29.30	-0.1	46.0	16.7	QP	100.0	81.00	HORIZONTAL
932.100000	37.00	8.0	46.0	9.0	QP	100.0	114.00	HORIZONTAL



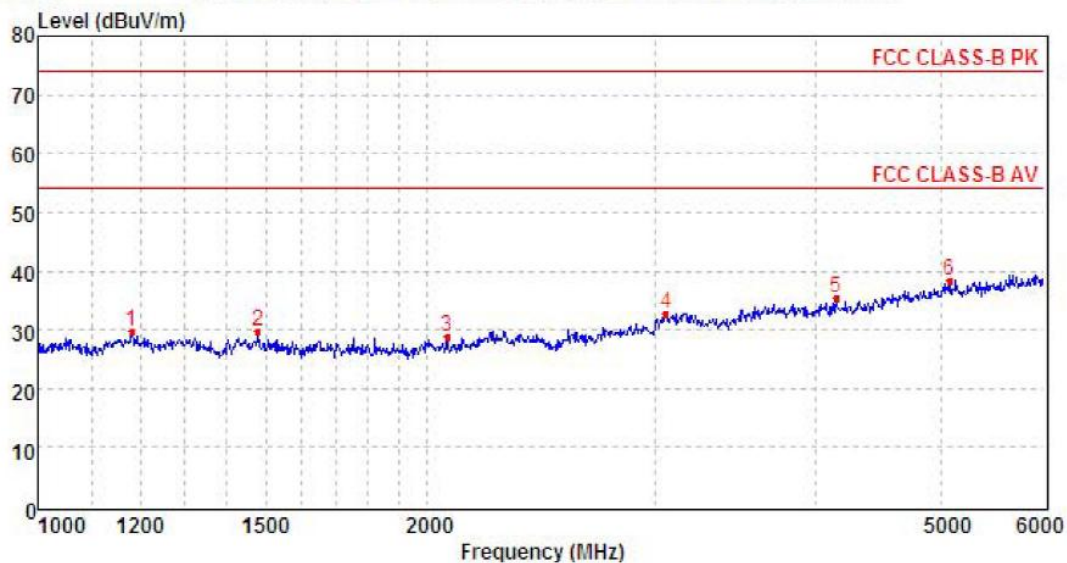
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1207.00	35.76	26.29	4.67	37.22	29.50	74.00	-44.50	Peak
2	1748.97	34.43	25.30	5.86	37.35	28.24	74.00	-45.76	Peak
3	2164.63	32.68	27.22	6.41	37.60	28.71	74.00	-45.29	Peak
4	3009.98	33.10	28.62	7.49	37.57	31.64	74.00	-42.36	Peak
5	4677.23	31.84	31.13	9.49	35.96	36.50	74.00	-37.50	Peak
6	5655.52	32.20	31.69	10.36	34.33	39.92	74.00	-34.08	Peak

Polarity: Vertical

**MEASUREMENT RESULT: "GM1903186094_red"**

3/18/2019 4:34PM

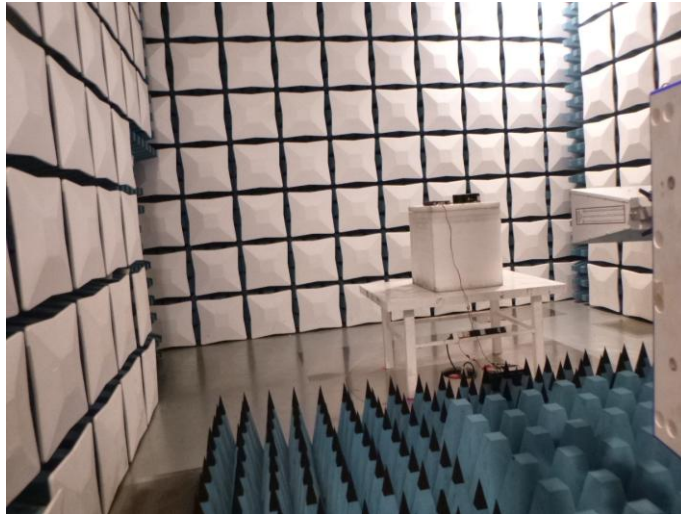
Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
49.400000	19.10	-8.7	40.0	20.9	QP	100.0	276.00	VERTICAL
55.220000	17.70	-9.1	40.0	22.3	QP	100.0	301.00	VERTICAL
214.300000	26.90	-10.0	43.5	16.6	QP	100.0	231.00	VERTICAL
227.880000	25.90	-9.1	46.0	20.1	QP	100.0	252.00	VERTICAL
540.220000	26.70	-0.3	46.0	19.3	QP	100.0	346.00	VERTICAL
951.500000	35.90	8.2	46.0	10.1	QP	100.0	196.00	VERTICAL



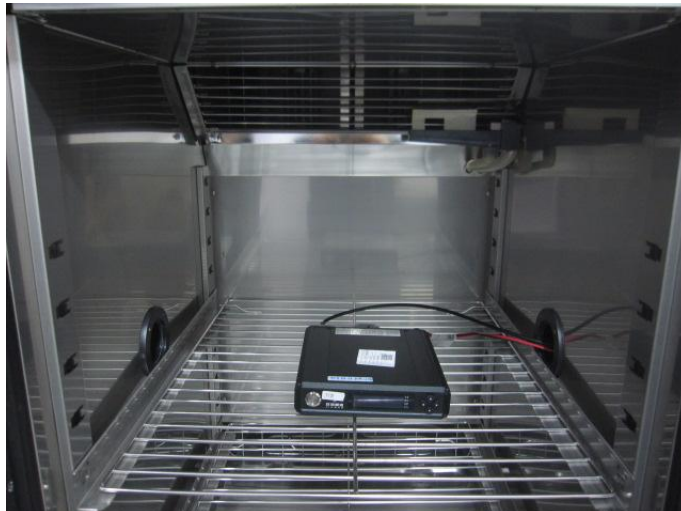
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1181.32	36.12	26.16	4.62	37.23	29.67	74.00	-44.33	Peak
2	1480.52	35.86	25.82	5.23	37.08	29.83	74.00	-44.17	Peak
3	2073.52	33.44	26.60	6.33	37.60	28.77	74.00	-45.23	Peak
4	3058.91	34.10	28.72	7.55	37.52	32.85	74.00	-41.15	Peak
5	4140.70	33.30	29.94	8.89	36.62	35.51	74.00	-38.49	Peak
6	5069.97	32.08	31.78	9.73	35.24	38.35	74.00	-35.65	Peak

6 TEST SETUP PHOTOS OF THE EUT

Transmitter Radiated Spurious Emission:



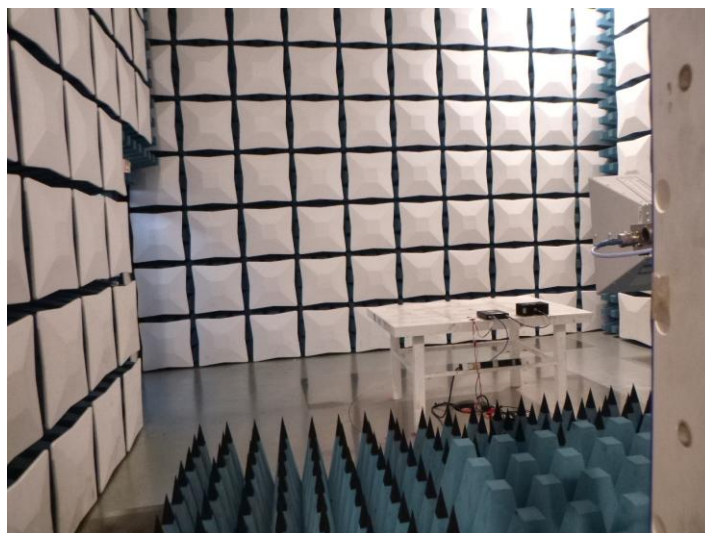
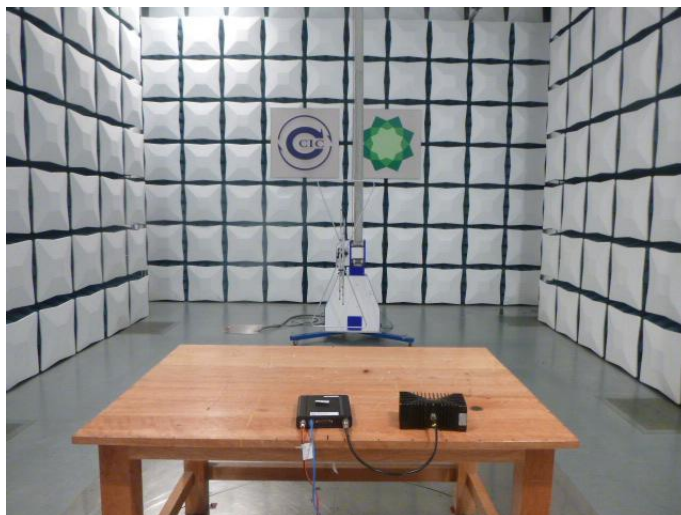
Frequency Stability:



RF Conducted Test:

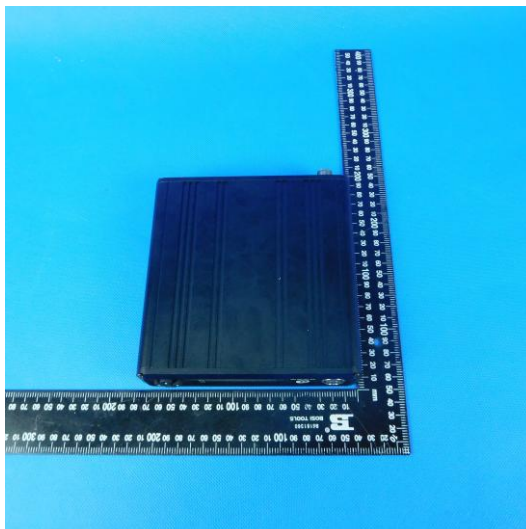
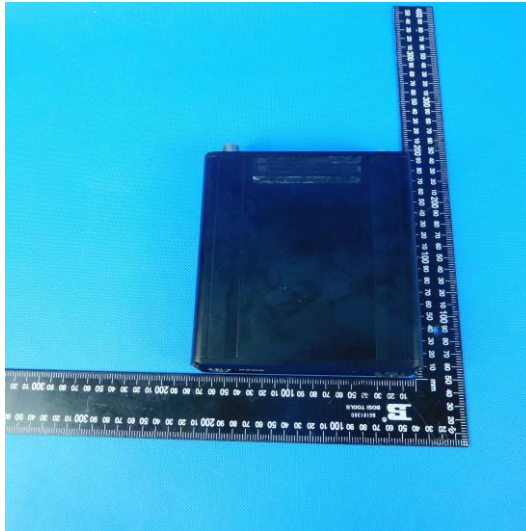


Radiated Emission:



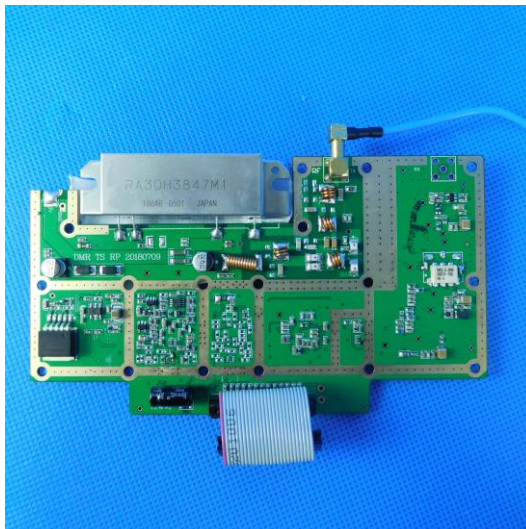
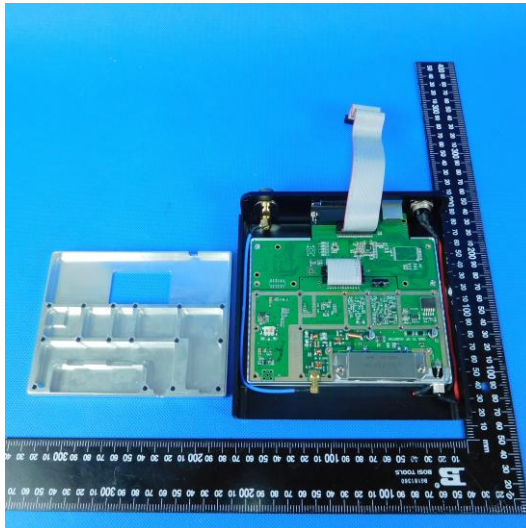
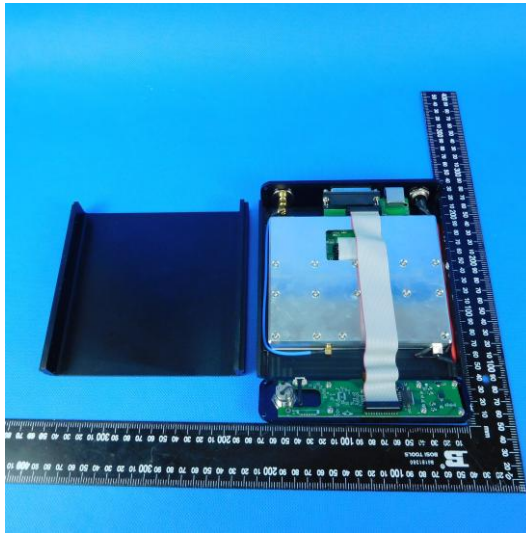
7 EXTERNAL AND INTERNAL PHOTOS OF THE EUT

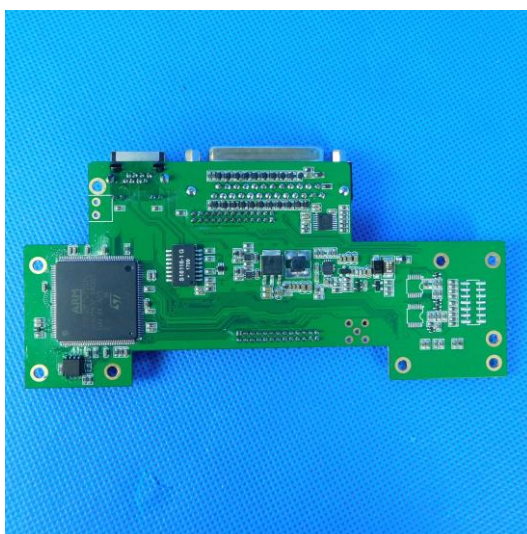
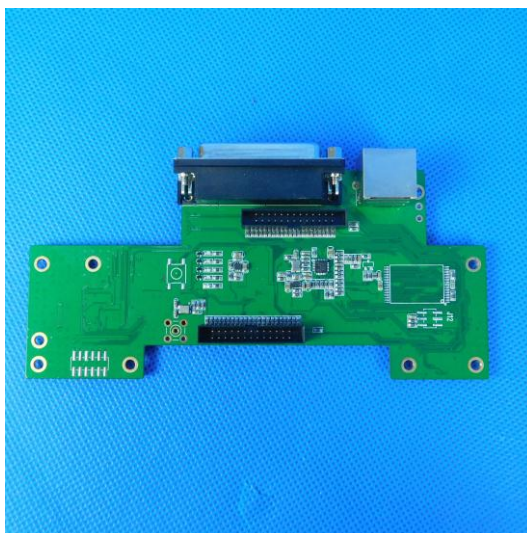
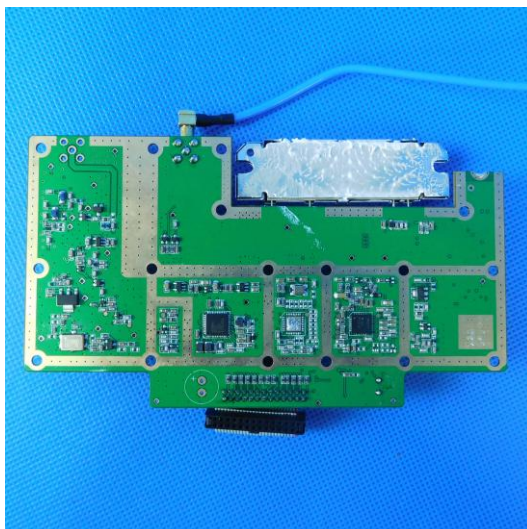
External Photos of the EUT

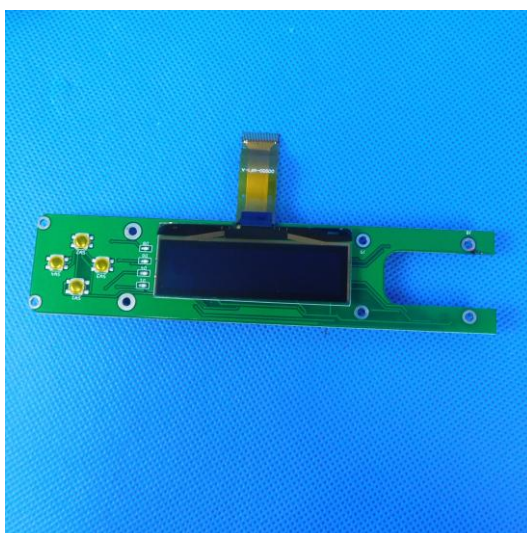
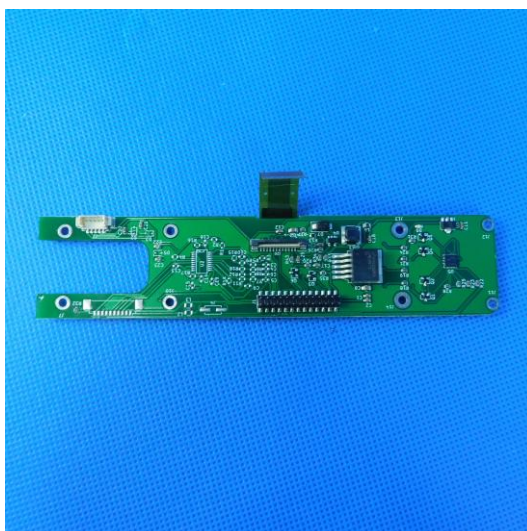




Internal Photos of the EUT







8 APPENDIX REPORT

**Appendix A:Maximum Transmitter Power**

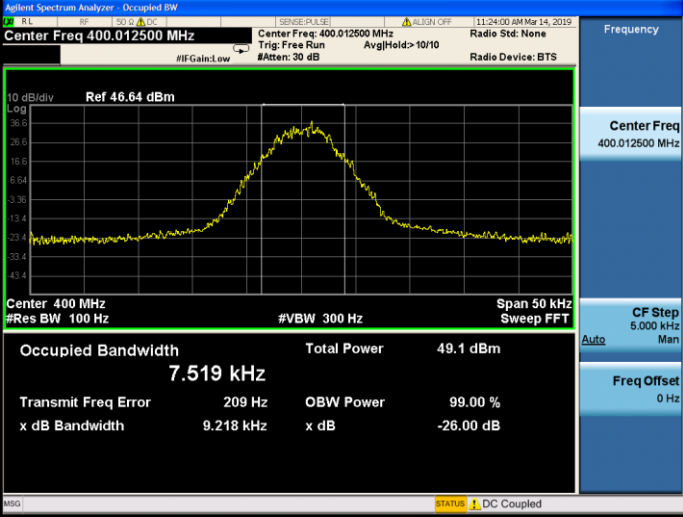
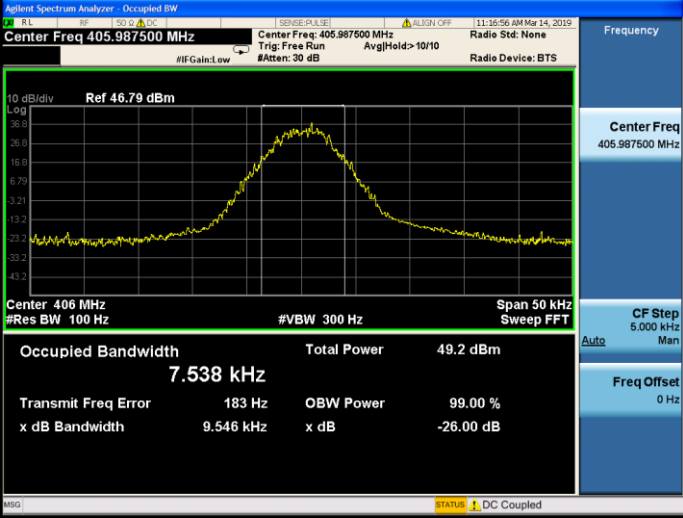
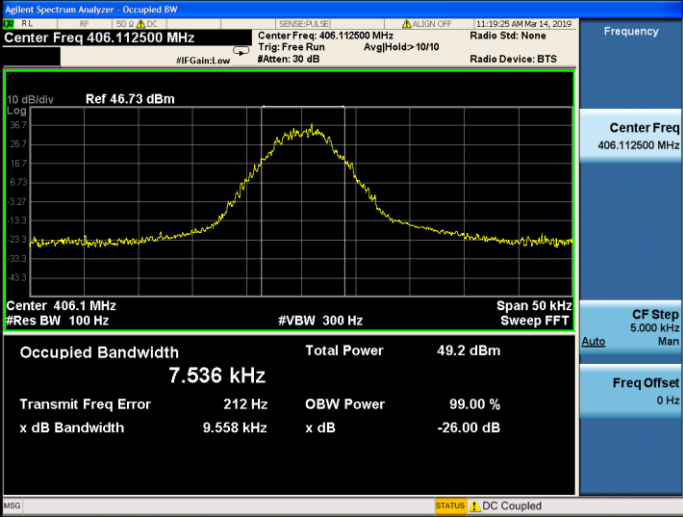
Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH _L	43.1	20.42	20.00	2.1	±20	PASS
TX-DNH	4FSK	CH _{M1}	43.3	21.38	20.00	6.9	±20	PASS
TX-DNH	4FSK	CH _{M2}	43.3	21.38	20.00	6.9	±20	PASS
TX-DNH	4FSK	CH _{M3}	43.1	20.42	20.00	2.1	±20	PASS
TX-DNH	4FSK	CH _H	42.7	18.62	20.00	-6.9	±20	PASS
TX-DNL	4FSK	CH _L	36.9	4.90	5.00	-2.0	±20	PASS
TX-DNL	4FSK	CH _{M1}	37.1	5.13	5.00	2.6	±20	PASS
TX-DNL	4FSK	CH _{M2}	37.1	5.13	5.00	2.6	±20	PASS
TX-DNL	4FSK	CH _{M3}	36.8	4.79	5.00	-4.3	±20	PASS
TX-DNL	4FSK	CH _H	36.4	4.37	5.00	-12.7	±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	7.519	9.218	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.538	9.546	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.536	9.558	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.484	9.198	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.517	9.189	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.506	9.200	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.511	9.207	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.511	9.210	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.457	9.210	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.529	9.204	≤11.25	PASS

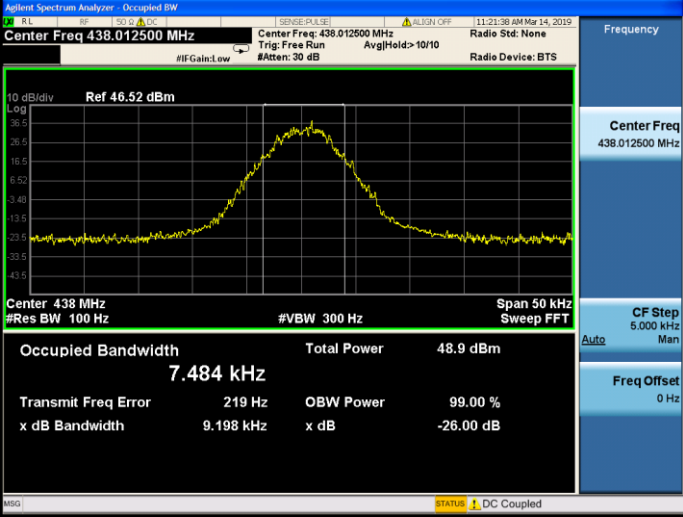
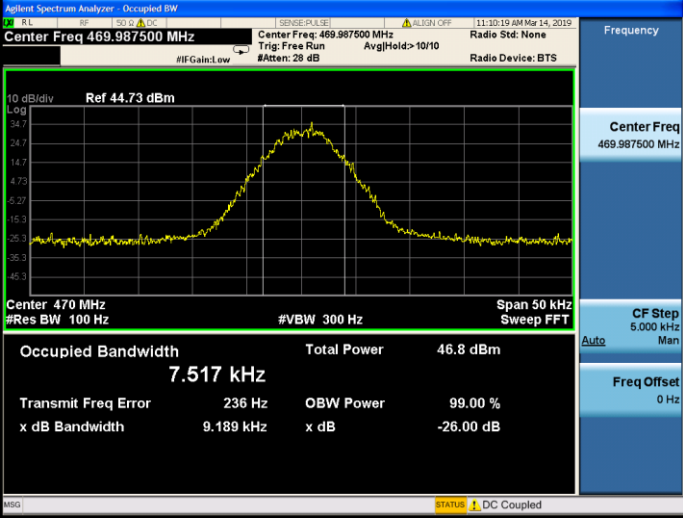
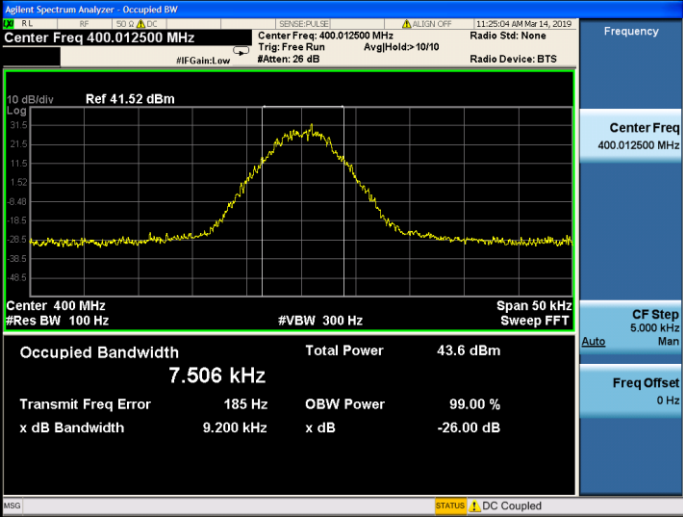


Appendix B:Occupied Bandwidth

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

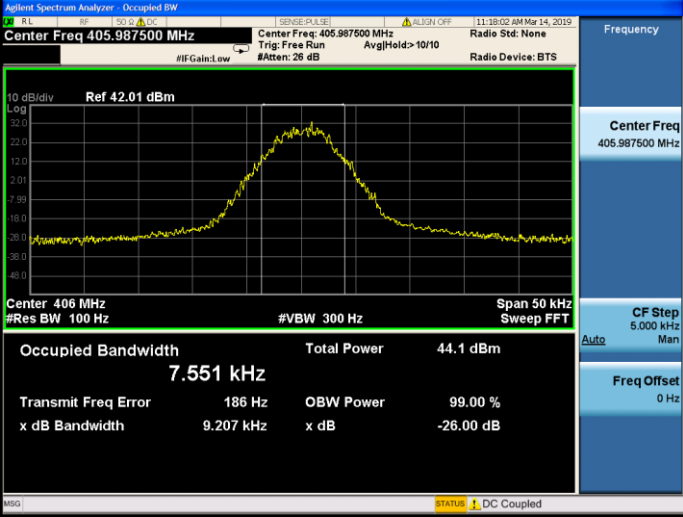
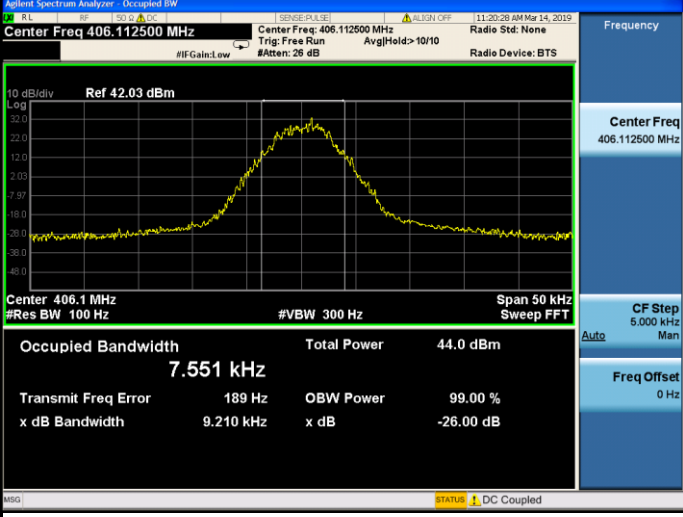
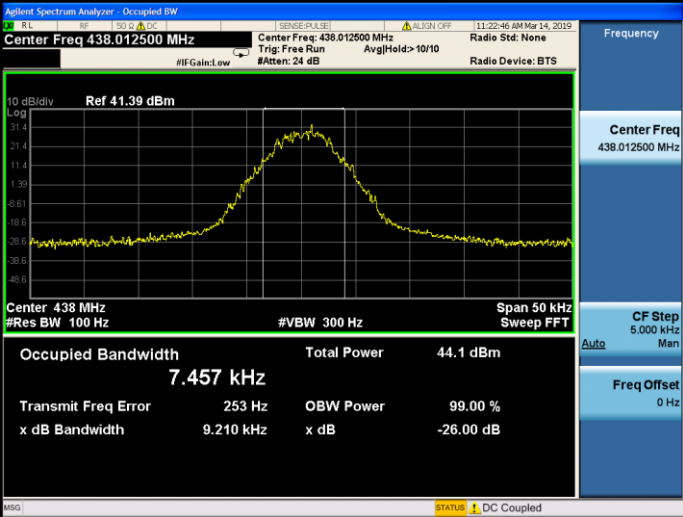


Appendix B:Occupied Bandwidth

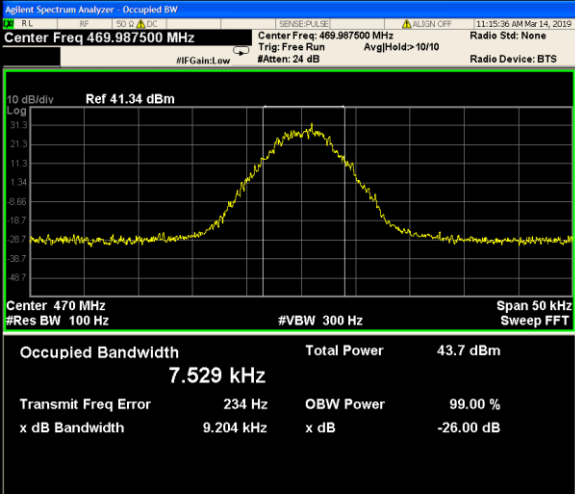
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	
TX-DNH	4FSK	CH _H	
TX-DNL	4FSK	CH _L	



Appendix B:Occupied Bandwidth

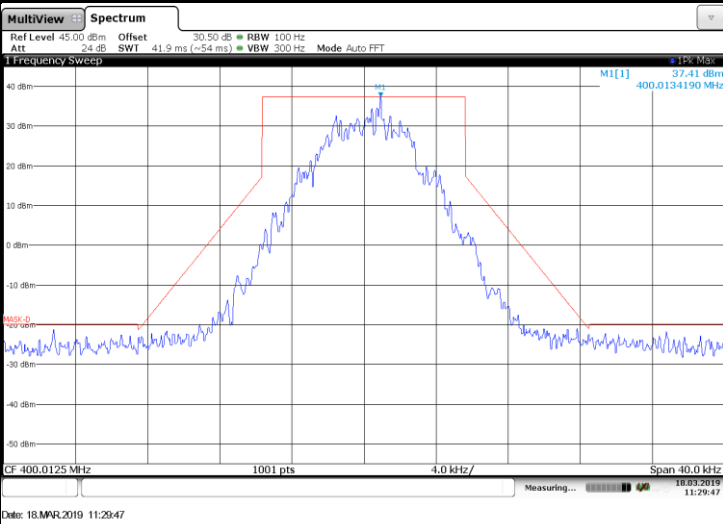
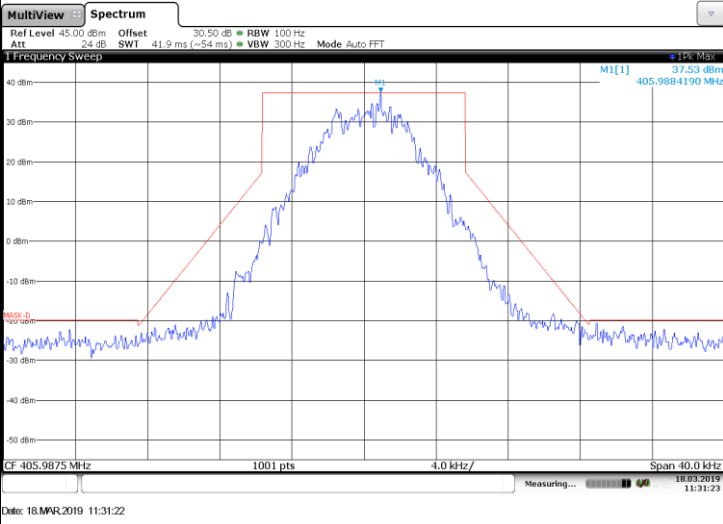
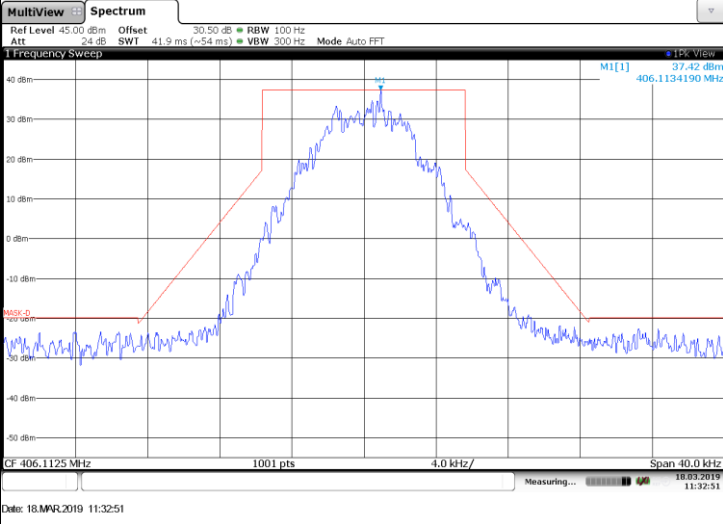
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run AvgHld: 10/10 Radio Std: None Radio Device: BTS Ref 42.01 dBm 10 dB/div Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.551 kHz Total Power 44.1 dBm Transmit Freq Error 186 Hz OBW Power 99.00 % x dB Bandwidth 9.207 kHz x dB -26.00 dB MSG STATUS DC Coupled
TX-DNL	4FSK	CH _{M2}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run AvgHld: 10/10 Radio Std: None Radio Device: BTS Ref 42.03 dBm 10 dB/div Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.551 kHz Total Power 44.0 dBm Transmit Freq Error 189 Hz OBW Power 99.00 % x dB Bandwidth 9.210 kHz x dB -26.00 dB MSG STATUS DC Coupled
TX-DNL	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run AvgHld: 10/10 Radio Std: None Radio Device: BTS Ref 41.39 dBm 10 dB/div Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.457 kHz Total Power 44.1 dBm Transmit Freq Error 253 Hz OBW Power 99.00 % x dB Bandwidth 9.210 kHz x dB -26.00 dB MSG STATUS DC Coupled

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT													
TX-DNL	4FSK	CH _H	 The screenshot shows an Agilent Spectrum Analyzer interface. The main display is a frequency spectrum plot with a yellow signal trace. The center frequency is 469.987500 MHz. The occupied bandwidth is 7.529 kHz. The total power is 43.7 dBm. The transmit frequency error is 234 Hz. The OBW power is 99.00%. <table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Center Freq</td><td>469.987500 MHz</td></tr><tr><td>Occupied Bandwidth</td><td>7.529 kHz</td></tr><tr><td>Total Power</td><td>43.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>234 Hz</td></tr><tr><td>OBW Power</td><td>99.00 %</td></tr></table>	Parameter	Value	Center Freq	469.987500 MHz	Occupied Bandwidth	7.529 kHz	Total Power	43.7 dBm	Transmit Freq Error	234 Hz	OBW Power	99.00 %	Frequency Center Freq 469.987500 MHz CF Step 5.000 kHz Auto Man Freq Offset 0 Hz
			Parameter	Value												
Center Freq	469.987500 MHz															
Occupied Bandwidth	7.529 kHz															
Total Power	43.7 dBm															
Transmit Freq Error	234 Hz															
OBW Power	99.00 %															
MISG STATUS DC Coupled																

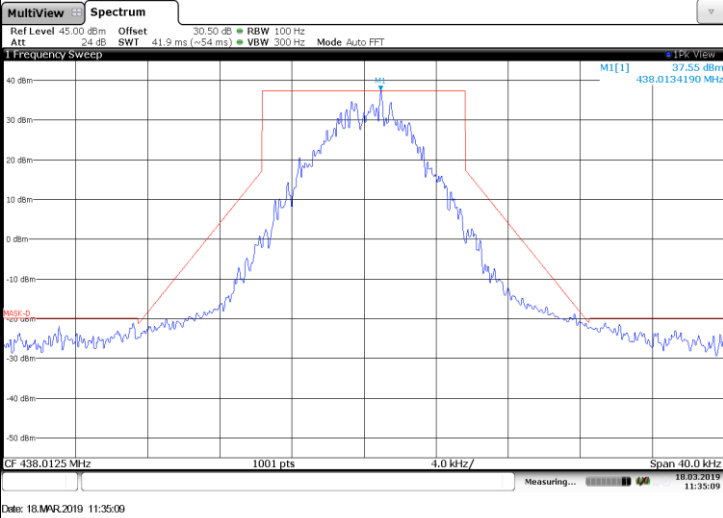
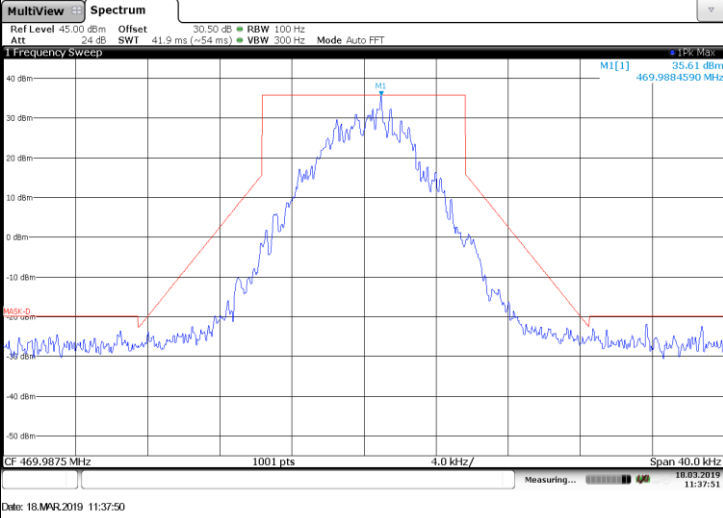
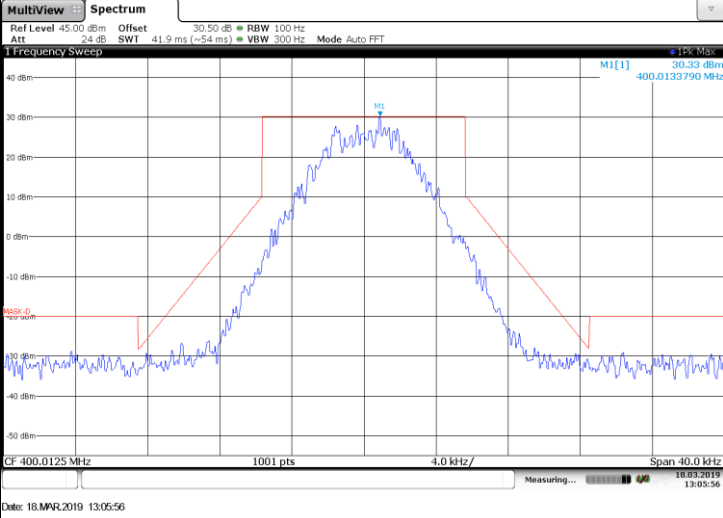


Appendix C:Emission Mask

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

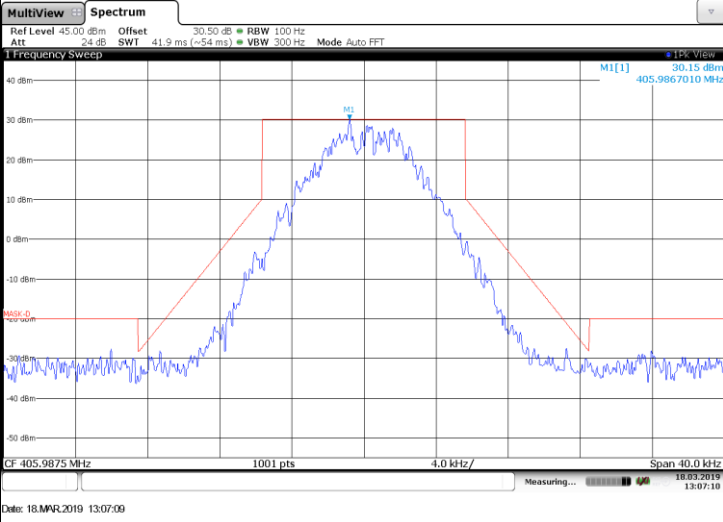
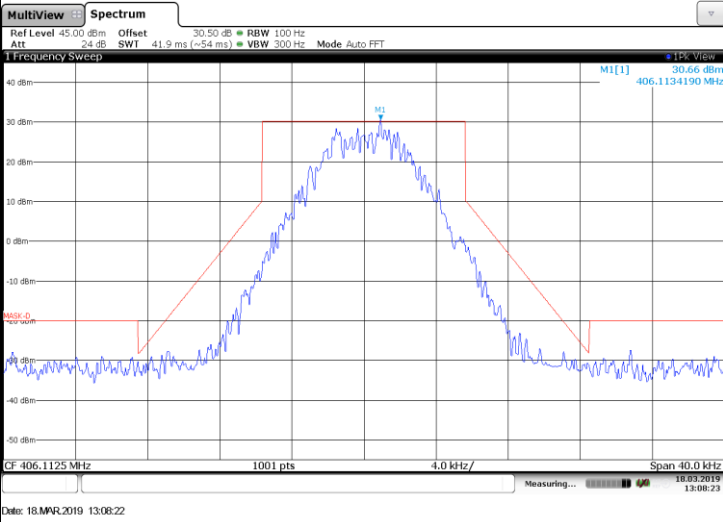
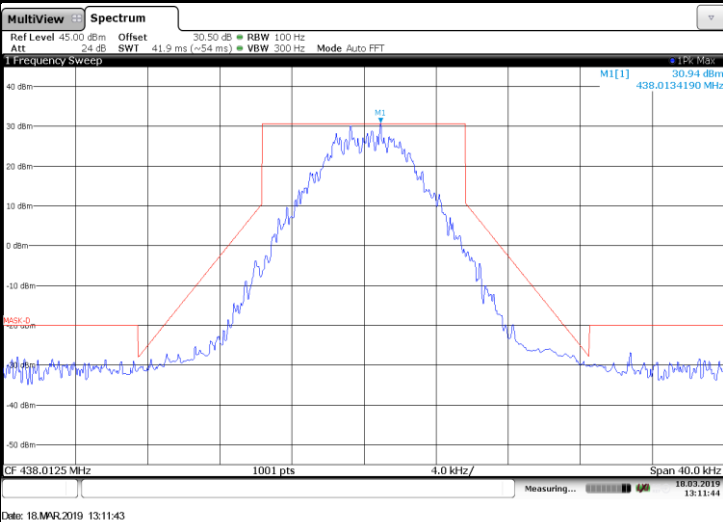


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	
TX-DNH	4FSK	CH _H	
TX-DNL	4FSK	CH _L	

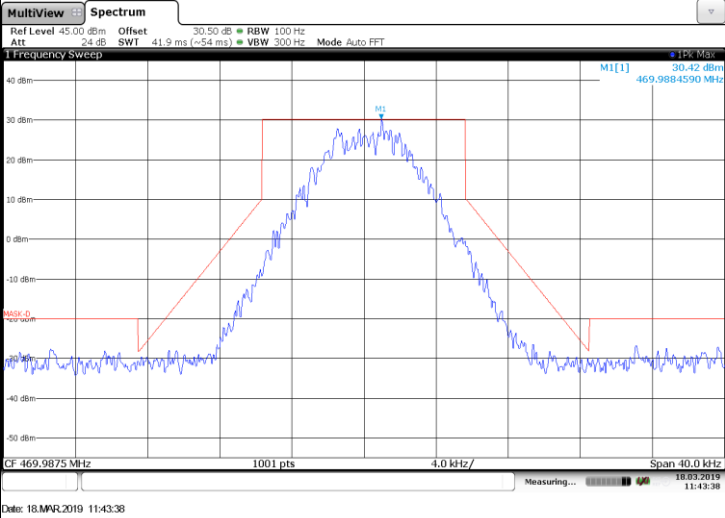


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	
TX-DNL	4FSK	CH _{M2}	
TX-DNL	4FSK	CH _{M3}	



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	

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

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	0.210	0.198	0.201	0.216	0.243	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.206	0.192	0.194	0.210	0.238	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.200	0.187	0.189	0.208	0.229	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.196	0.183	0.185	0.201	0.224	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.193	0.178	0.182	0.195	0.222	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.181	0.169	0.171	0.187	0.211	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.190	0.179	0.180	0.193	0.217	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.197	0.183	0.184	0.204	0.223	±5.0	PASS
TX-DNH	4FSK	V _N	55	0.201	0.187	0.190	0.209	0.230	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.204	0.195	0.216	0.222	0.174	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.200	0.191	0.211	0.218	0.170	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.190	0.184	0.206	0.215	0.168	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.189	0.179	0.202	0.211	0.160	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.183	0.172	0.196	0.202	0.155	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.172	0.163	0.185	0.194	0.145	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.177	0.169	0.190	0.201	0.153	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.189	0.179	0.197	0.210	0.159	±5.0	PASS
TX-DNL	4FSK	V _N	55	0.192	0.183	0.203	0.214	0.167	±5.0	PASS

**Appendix E: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	0.181	0.169	0.171	0.187	0.211	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.198	0.184	0.195	0.204	<u>0.234</u>	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.191	0.175	0.182	0.199	0.224	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.172	0.163	0.185	0.194	0.145	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.189	0.181	0.206	<u>0.217</u>	0.169	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.183	0.175	0.194	0.205	0.153	±5.0	PASS

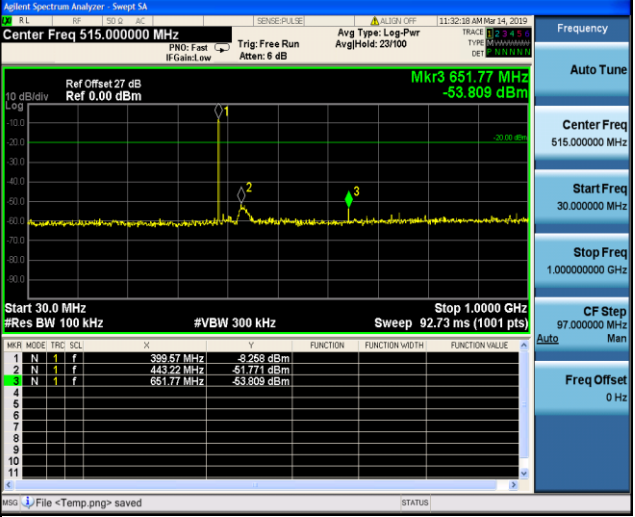
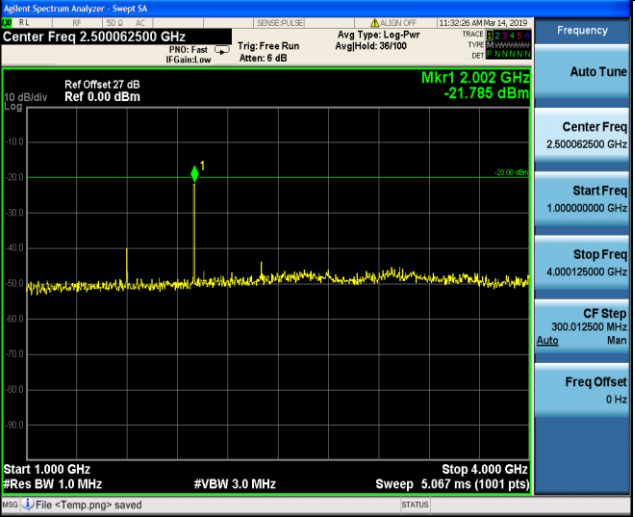
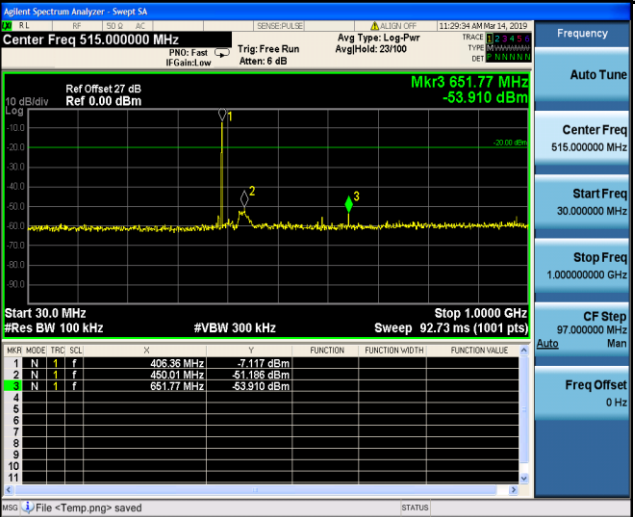


Appendix F: Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 44.00 dBm Offset 27.50 dB Att 40 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: JPK (17MHz) YIG Bypass 1 FM Time Domain </

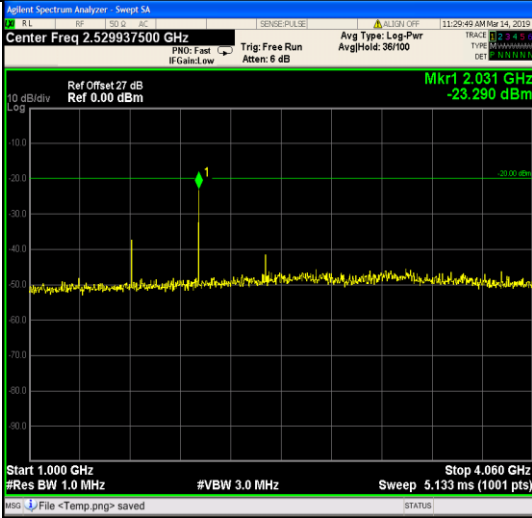
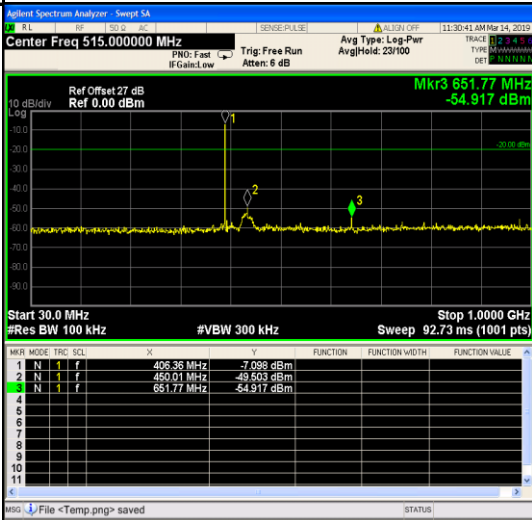
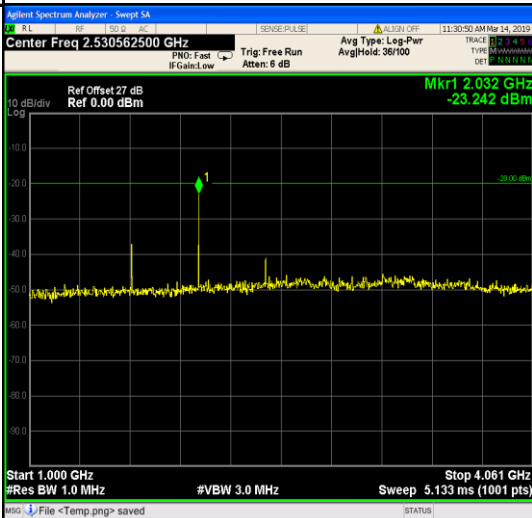


Appendix G:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	 30MHz~1GHz
TX-DNH	4FSK	CH _L	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _{M1}	 30MHz~1GHz



Appendix G:Spurious Emission On Antenna Port

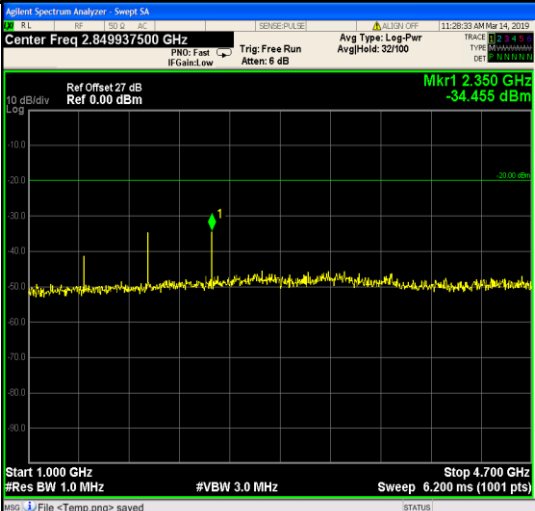
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																					
TX-DNH	4FSK	CH _{M1}	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.529937500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 2.031 GHz -23.290 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.133 ms (1001 pts) File <Temp.png> saved	Frequency Auto Tune Center Freq 2.529937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.059875000 GHz CF Step 305.987500 MHz Auto Man Freq Offset 0 Hz																																				
			1GHz~10th Harmonic																																					
TX-DNH	4FSK	CH _{M2}	 Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 27 dB Ref 0.00 dBm Mkr3 651.77 MHz -54.917 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) File <Temp.png> saved <table><tr><th>Mkr</th><th>Mode</th><th>Trig</th><th>SCL</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>459.88 MHz</td><td>-7.095 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>450.01 MHz</td><td>-49.503 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>651.77 MHz</td><td>-54.917 dBm</td><td></td><td></td><td></td></tr></table>	Mkr	Mode	Trig	SCL	X	Y	Function	Function Width	Function Value	1	N	1	f	459.88 MHz	-7.095 dBm				2	N	1	f	450.01 MHz	-49.503 dBm				3	N	1	f	651.77 MHz	-54.917 dBm				Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz
			Mkr	Mode	Trig	SCL	X	Y	Function	Function Width	Function Value																													
1	N	1	f	459.88 MHz	-7.095 dBm																																			
2	N	1	f	450.01 MHz	-49.503 dBm																																			
3	N	1	f	651.77 MHz	-54.917 dBm																																			
30MHz~1GHz																																								
TX-DNH	4FSK	CH _{M2}	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.530562500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 2.032 GHz -23.242 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.133 ms (1001 pts) File <Temp.png> saved	Frequency Auto Tune Center Freq 2.530562500 GHz Start Freq 1.000000000 GHz Stop Freq 4.061125000 GHz CF Step 305.112500 MHz Auto Man Freq Offset 0 Hz																																				
			1GHz~10th Harmonic																																					



Appendix G:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 28 dB Ref 0.00 dBm Mkr3 375.32 MHz -31.747 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Man Freq Offset 0 Hz 30MHz~1GHz
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Swept SA Center Freq 2.690062500 GHz Ref Offset 28 dB Ref 0.00 dBm Mkr1 2.190 GHz -29.239 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.380 GHz Sweep 5.667 ms (1001 pts) Frequency Auto Tune Center Freq 2.690062500 GHz Start Freq 1.000000000 GHz Stop Freq 4.380125000 GHz CF Step 338.012500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 27 dB Ref 0.00 dBm Mkr3 374.35 MHz -40.161 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz 30MHz~1GHz

Appendix G:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.849937500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 2.350 GHz -34.455 dBm Start 1.000 GHz #Res BW 1.0 MHz Sweep 6.200 ms (1001 pts) Stop 4.700 GHz #VBW 3.0 MHz File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 2.849937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.699875000 GHz CF Step 369.987500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic

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