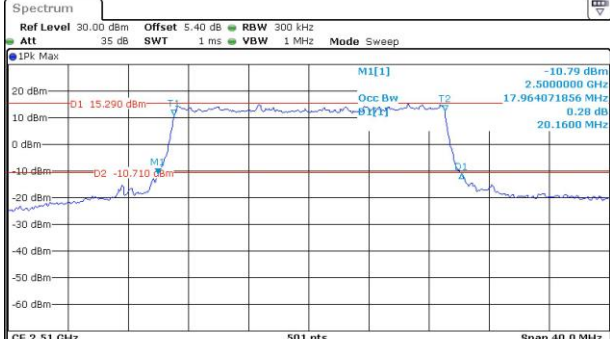
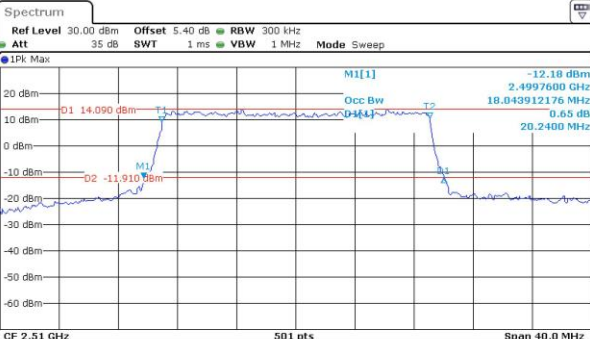
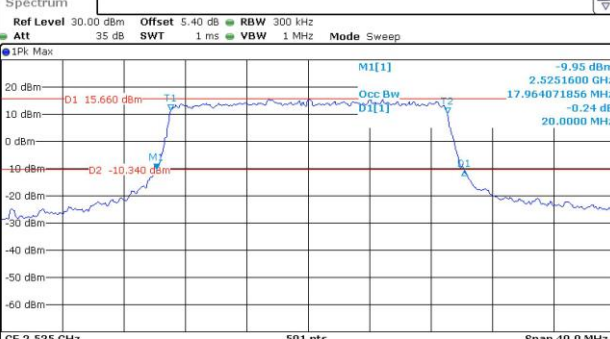
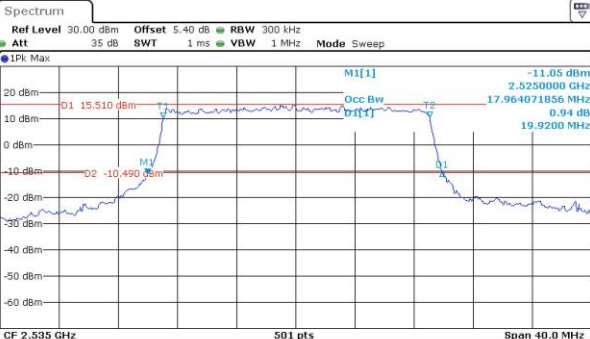
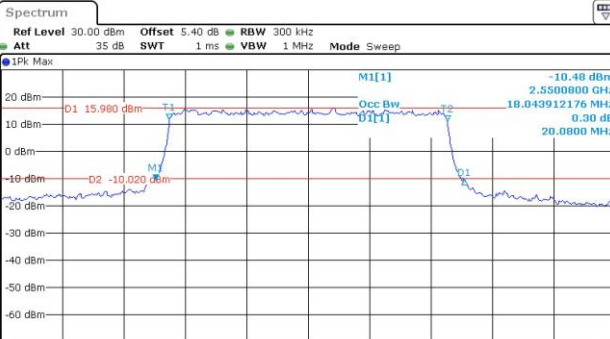
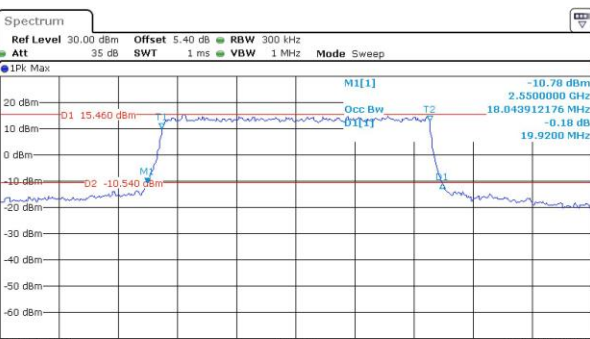


Occupied Bandwidth

Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM																																																																						
Lowest	 <p>Ref Level 30.00 dBm Offset 5.40 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>CF 2.51 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-10.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5010579 GHz</td> <td>10.87 dBm</td> <td>Occ Bw</td> <td>17.964071856 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.519022 GHz</td> <td>12.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>20.16 MHz</td> <td>0.28 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16.JAN.2023 15:28:17</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.5 GHz	-10.79 dBm			T1	1		2.5010579 GHz	10.87 dBm	Occ Bw	17.964071856 MHz	T2	1		2.519022 GHz	12.53 dBm			D1	M1	1	20.16 MHz	0.28 dB			 <p>Ref Level 30.00 dBm Offset 5.40 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>CF 2.51 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.49976 GHz</td> <td>-12.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5009778 GHz</td> <td>9.23 dBm</td> <td>Occ Bw</td> <td>18.043912176 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.519022 GHz</td> <td>10.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>20.24 MHz</td> <td>0.65 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16.JAN.2023 15:28:40</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.49976 GHz	-12.18 dBm			T1	1		2.5009778 GHz	9.23 dBm	Occ Bw	18.043912176 MHz	T2	1		2.519022 GHz	10.54 dBm			D1	M1	1	20.24 MHz	0.65 dB		
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Spurious Emissions at Antenna Terminal

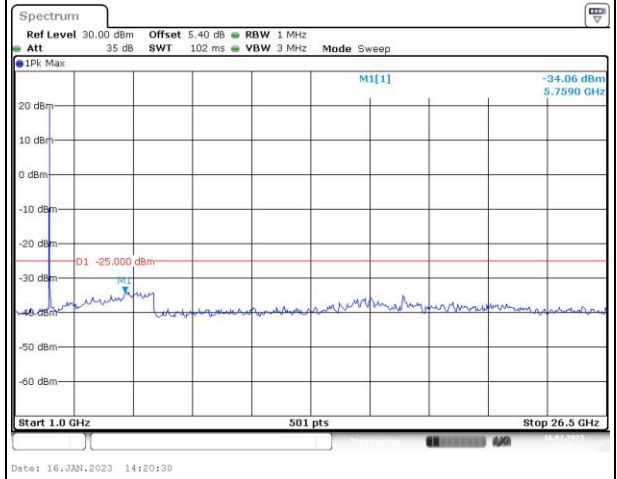
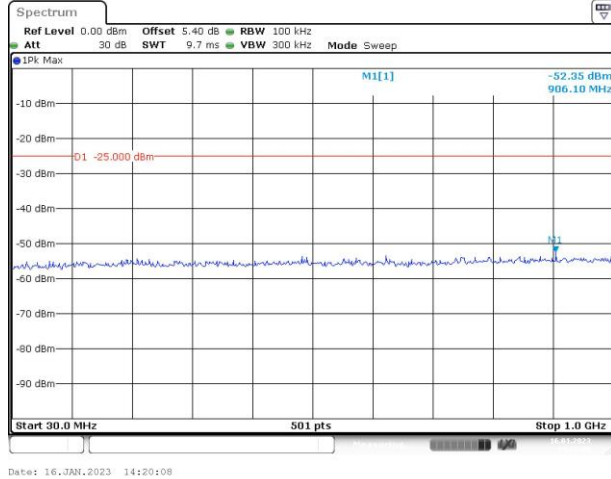
Channel	5MHz Bandwidth QPSK	
Lowest	<p>Ref Level 0.00 dBm Offset 5.40 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max -52.97 dBm 923.50 MHz</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 16, JAN, 2023 14:17:31</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 1 MHz Att 35 dB SWT 102 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max -33.97 dBm 5.8100 GHz</p> <p>Start 1.0 GHz 501 pts Stop 26.5 GHz</p> <p>Date: 16, JAN, 2023 14:17:56</p>
Middle	<p>Ref Level 0.00 dBm Offset 5.40 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max -53.40 dBm 931.30 MHz</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 16, JAN, 2023 14:18:18</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 1 MHz Att 35 dB SWT 102 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max -33.66 dBm 5.9120 GHz</p> <p>Start 1.0 GHz 501 pts Stop 26.5 GHz</p> <p>Date: 16, JAN, 2023 14:18:44</p>
Highest	<p>Ref Level 0.00 dBm Offset 5.40 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max -53.37 dBm 640.80 MHz</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 16, JAN, 2023 14:19:12</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 1 MHz Att 35 dB SWT 102 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max -33.69 dBm 6.9300 GHz</p> <p>Start 1.0 GHz 501 pts Stop 26.5 GHz</p> <p>Date: 16, JAN, 2023 14:19:37</p>

Spurious Emissions at Antenna Terminal

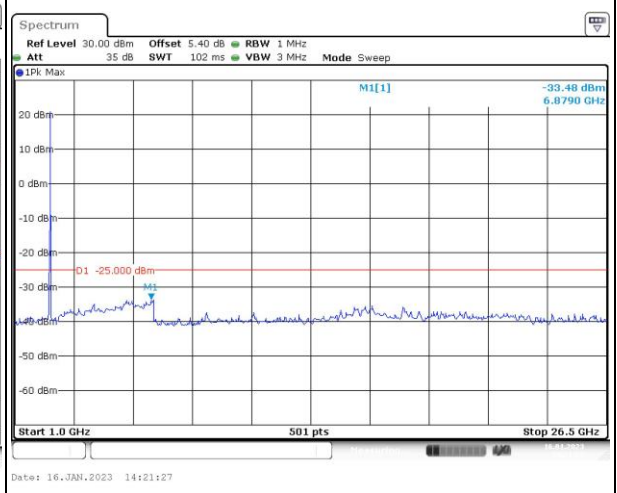
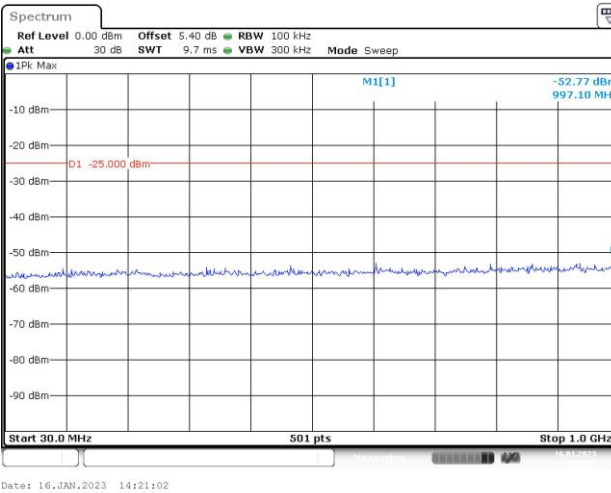
Channel

10MHz Bandwidth QPSK

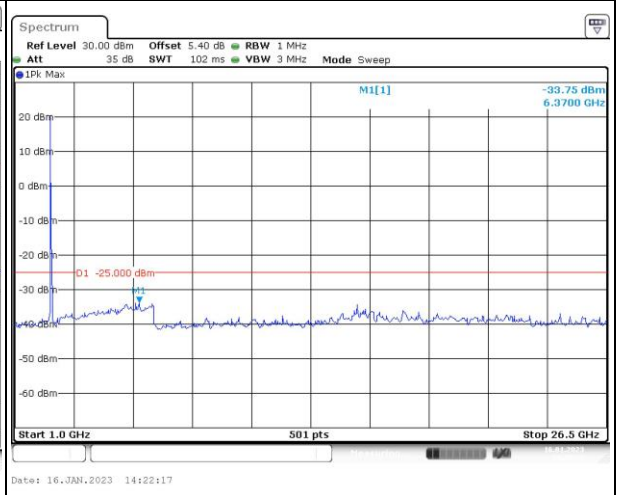
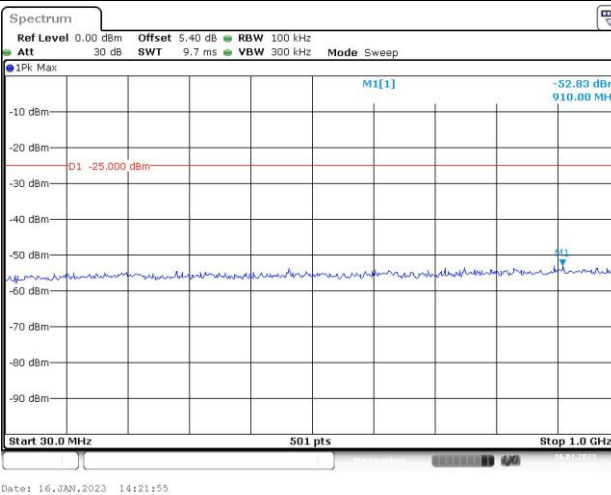
Lowest



Middle



Highest

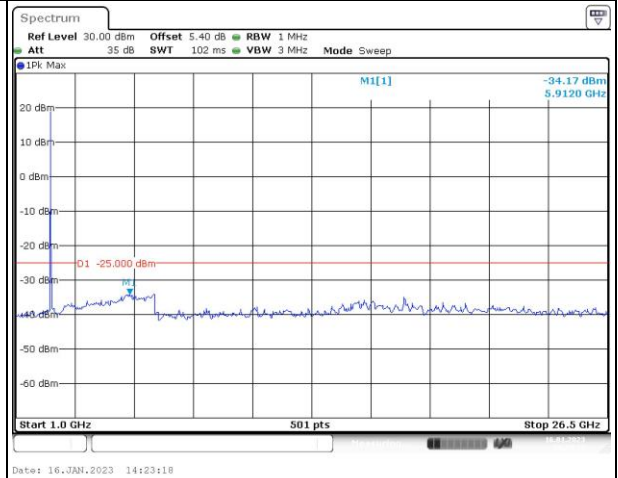
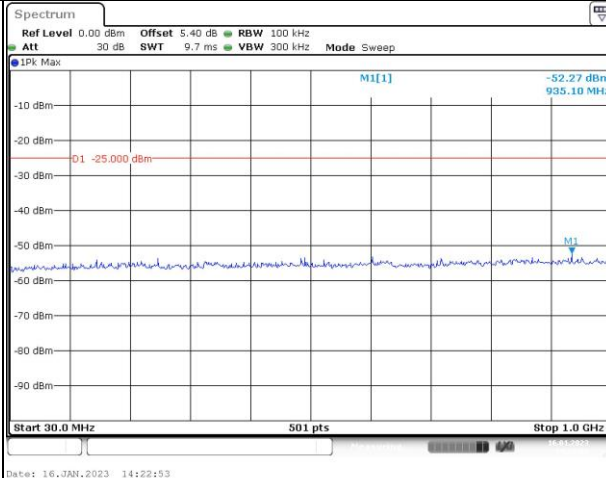


Spurious Emissions at Antenna Terminal

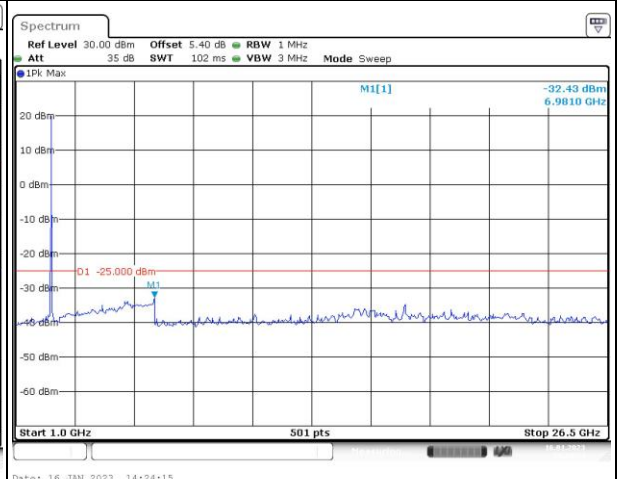
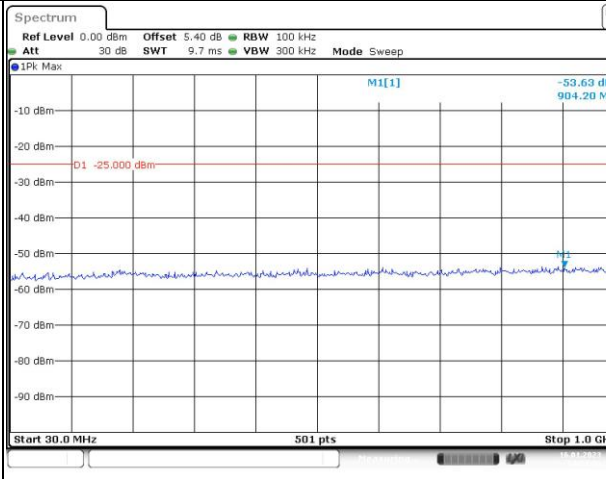
Channel

15MHz Bandwidth QPSK

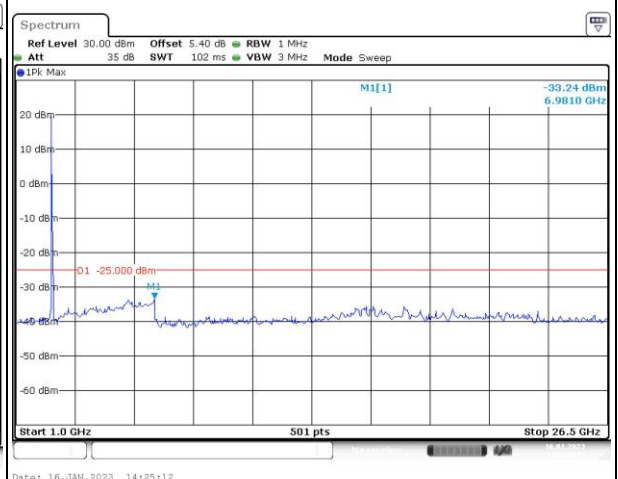
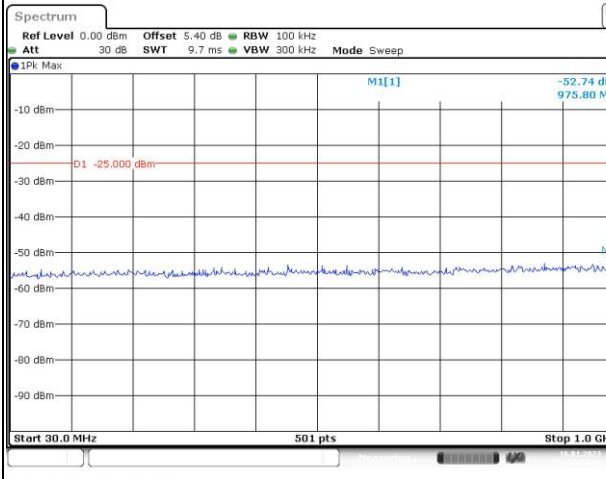
Lowest



Middle



Highest

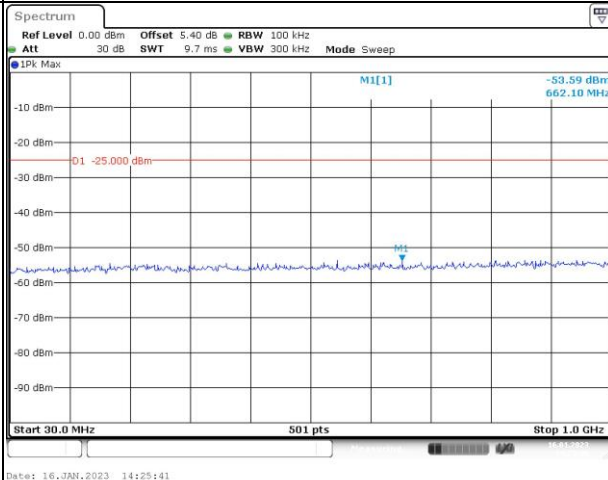


Spurious Emissions at Antenna Terminal

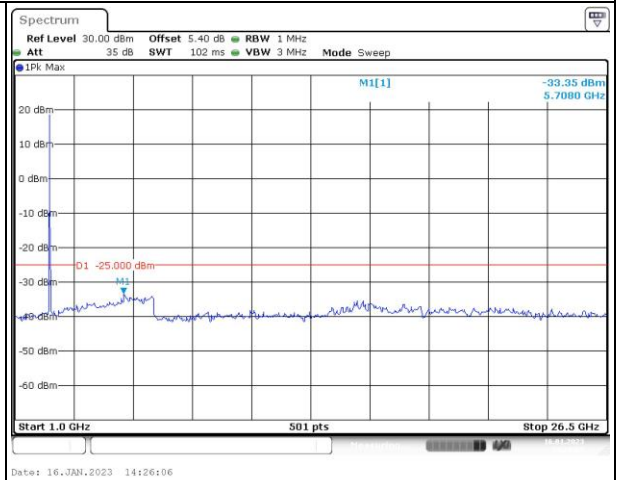
Channel

20MHz Bandwidth QPSK

Lowest

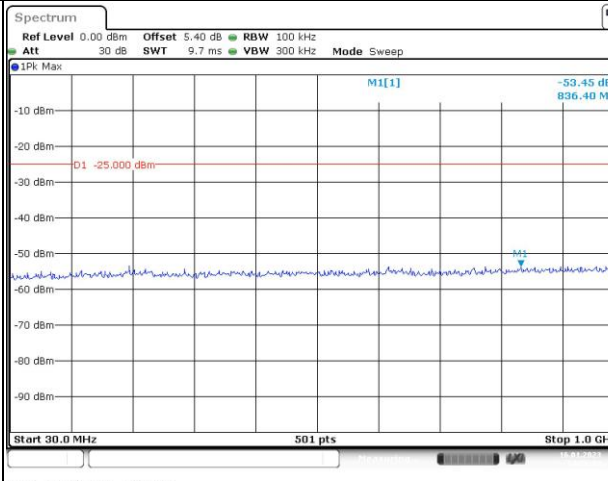


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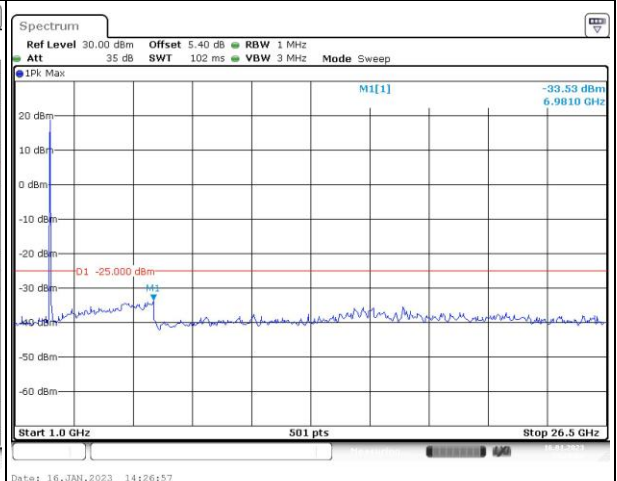


Date: 16, JAN, 2023 14:26:06

Middle

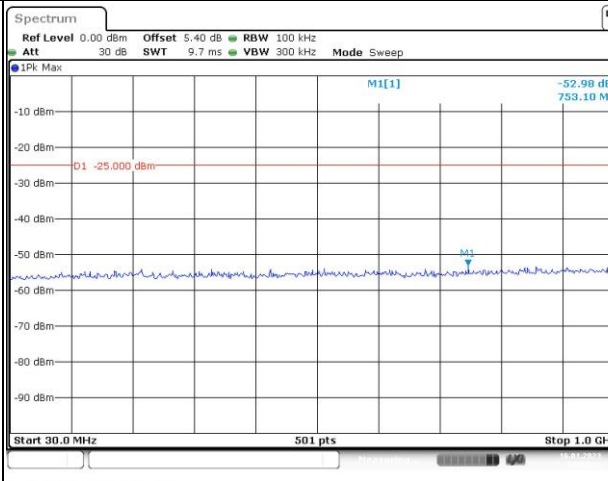


Date: 16, JAN, 2023 14:26:35

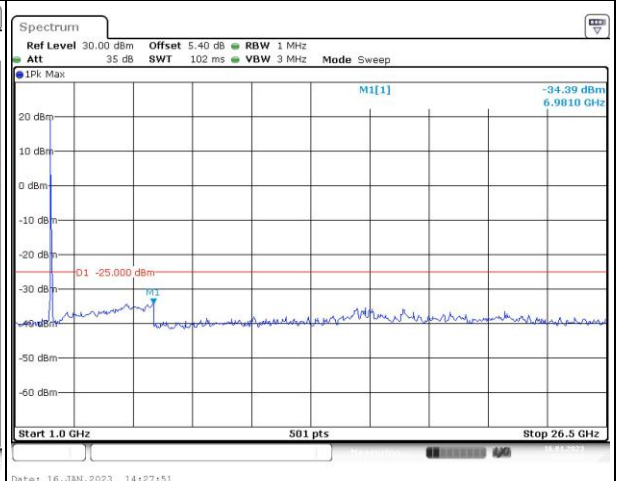


Date: 16, JAN, 2023 14:26:57

Highest



Date: 16, JAN, 2023 14:27:29



Date: 16, JAN, 2023 14:27:51

Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz	<p>Center 2.501672000 GHz 1.8 MHz/ Span 18 MHz</p> <p>Date: 21.APR.2023 14:48:28</p>	<p>Center 2.567752000 GHz 1.8 MHz/ Span 18 MHz</p> <p>Date: 21.APR.2023 14:51:07</p>
	<p>Center 2.534244000 GHz 1.8 MHz/ Span 18 MHz</p> <p>Date: 21.APR.2023 14:42:56</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
<p>QPSK 10MHz</p>	<p>Ref: 30 dBm, Offset: 5.4 dB, Att: 25 dB, RBW: 100 kHz, VBW: 300 kHz, SWT: 1 s, Marker 1 [T1]: 3.13 dBm, Center: 2.502396000 GHz, Span: 31 MHz</p> <p>Date: 21.APR.2023 15:00:47</p>	<p>Ref: 30 dBm, Offset: 5.4 dB, Att: 25 dB, RBW: 100 kHz, VBW: 300 kHz, SWT: 1 s, Marker 1 [T1]: 4.57 dBm, Center: 2.568038000 GHz, Span: 31 MHz</p> <p>Date: 21.APR.2023 15:13:08</p>
	<p>Ref: 30 dBm, Offset: 5.4 dB, Att: 25 dB, RBW: 100 kHz, VBW: 300 kHz, SWT: 1 s, Marker 1 [T1]: 4.03 dBm, Center: 2.533822000 GHz, Span: 31 MHz</p> <p>Date: 21.APR.2023 15:09:38</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
<p>QPSK 15MHz</p>	<p>Center: 2.5029 GHz, Span: 46 MHz</p> <p>Date: 21.APR.2023 15:19:28</p>	<p>Center: 2.56812 GHz, Span: 46 MHz</p> <p>Date: 21.APR.2023 15:29:39</p>
	<p>Middle</p> <p>Center: 2.5325 GHz, Span: 46 MHz</p> <p>Date: 21.APR.2023 15:26:40</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
<p>QPSK 20MHz</p>	<p>Center 2.518540000 GHz</p> <p>Date: 21.APR.2023 15:34:57</p>	<p>Center 2.565880000 GHz</p> <p>Date: 21.APR.2023 15:43:41</p>
	<p>Center 2.533902000 GHz</p> <p>Date: 21.APR.2023 15:41:18</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz	<p>Center 2.500628000 GHz 1.8 MHz/ Span 18 MHz</p> <p>Date: 21.APR.2023 14:47:00</p>	<p>Center 2.567860000 GHz 1.8 MHz/ Span 18 MHz</p> <p>Date: 21.APR.2023 14:52:35</p>
	<p>Center 2.534600000 GHz 1.8 MHz/ Span 18 MHz</p> <p>Date: 21.APR.2023 14:44:31</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 10MHz	<p>Center 2.501218000 GHz 3.1 MHz/ Span 31 MHz</p> <p>Date: 21.APR.2023 15:02:11</p>	<p>Center 2.568410000 GHz 3.1 MHz/ Span 31 MHz</p> <p>Date: 21.APR.2023 15:14:36</p>
	<p>Center 2.532435000 GHz 3.1 MHz/ Span 31 MHz</p> <p>Date: 21.APR.2023 15:08:01</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 15MHz	<p>Ref 30 dBm *Att 25 dB RBW 300 kHz Marker 1 [T1] 5.64 dBm VSW 1 MHz SWT 1 s 2.501888000 GHz</p> <p>Center 2.5075 GHz 4.6 MHz/ Span 46 MHz</p> <p>Date: 21.APR.2023 15:21:31</p>	<p>Ref 30 dBm *Att 25 dB RBW 300 kHz Marker 1 [T1] 6.28 dBm VSW 1 MHz SWT 1 s 2.567652000 GHz</p> <p>Center 2.5625 GHz 4.6 MHz/ Span 46 MHz</p> <p>Date: 21.APR.2023 15:31:19</p>
	<p>Ref 30 dBm *Att 25 dB RBW 300 kHz Marker 1 [T1] 6.30 dBm VSW 1 MHz SWT 1 s 2.531360000 GHz</p> <p>Center 2.535 GHz 4.6 MHz/ Span 46 MHz</p> <p>Date: 21.APR.2023 15:25:17</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 20MHz	<p>Ref: 30 dBm, Att: 25 dB, RBW: 300 kHz, VBW: 1 MHz, SWT: 1 s, Marker 1 [T1]: -4.81 dBm, Center: 2.517686000 GHz, Span: 61 MHz</p> <p>Date: 21.APR.2023 15:36:39</p>	<p>Ref: 30 dBm, Att: 25 dB, RBW: 300 kHz, VBW: 1 MHz, SWT: 1 s, Marker 1 [T1]: -6.10 dBm, Center: 2.567898000 GHz, Span: 61 MHz</p> <p>Date: 21.APR.2023 15:45:03</p>
	<p>Ref: 30 dBm, Att: 25 dB, RBW: 300 kHz, VBW: 1 MHz, SWT: 1 s, Marker 1 [T1]: -5.34 dBm, Center: 2.532682000 GHz, Span: 61 MHz</p> <p>Date: 21.APR.2023 15:39:27</p>	

4.10 Antenna Port Test Data and Results for LTE Band 12

Serial Number:	1XBG-2	Test Date:	2023/1/13~2023/1/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	18.3~24.6	Relative Humidity: (%)	42~58	ATM Pressure: (kPa)	100.6~102.3
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022-07-15	2023-07-14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2022-04-06	2023-04-05
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022-07-15	2023-07-14

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	699.7	707.5	715.3
3MHz	700.5	707.5	714.5
5MHz	701.5	707.5	713.5
10MHz	704	707.5	711

Test Data:

FCC §2.1046; § 27.50(c) (10)						
RF Output Power:						
Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	22.36	22.43	22.54	18.08	34.77
	RB1#3	22.41	22.45	22.53		
	RB1#5	22.41	22.46	22.49		
	RB3#0	22.51	22.56	22.63		
	RB3#3	22.5	22.46	22.51		
	RB6#0	21.5	21.47	21.58		
1.4MHz 16QAM	RB1#0	22.26	20.96	21.95	17.78	34.77
	RB1#3	22.33	20.91	21.91		
	RB1#5	22.25	20.96	22.05		
	RB3#0	21.43	21.27	21.6		
	RB3#3	21.31	21.27	21.64		
	RB6#0	20.51	20.52	20.84		
3MHz QPSK	RB1#0	22.38	22.37	22.54	18.06	34.77
	RB1#8	22.45	22.36	22.61		
	RB1#14	22.52	22.41	22.53		
	RB6#0	21.58	21.52	21.62		
	RB6#9	21.5	21.51	21.5		
	RB15#0	21.39	21.39	21.64		
3MHz 16QAM	RB1#0	22.27	21.09	21.9	17.81	34.77
	RB1#8	22.36	21.02	21.88		
	RB1#14	22.33	21.1	21.9		
	RB6#0	20.56	20.69	20.63		
	RB6#9	20.59	20.76	20.68		
	RB15#0	20.56	20.5	20.69		
5MHz QPSK	RB1#0	22.42	22.34	22.48	18	34.77
	RB1#13	22.5	22.32	22.55		
	RB1#24	22.47	22.43	22.49		
	RB15#0	21.43	21.45	21.58		
	RB15#10	21.49	21.51	21.55		
	RB25#0	21.55	21.54	21.5		
5MHz 16QAM	RB1#0	21.59	21.02	20.62	17.1	34.77
	RB1#13	21.65	21.01	20.64		
	RB1#24	21.6	21.04	20.63		
	RB15#0	20.39	20.5	20.67		
	RB15#10	20.45	20.57	20.74		
	RB25#0	20.56	20.37	20.73		
10MHz QPSK	RB1#0	22.43	22.5	22.29	18	34.77

	RB1#25	22.55	22.39	22.26		
	RB1#49	22.53	22.55	22.5		
	RB25#0	21.53	21.48	21.45		
	RB25#25	21.5	21.51	21.61		
	RB50#0	21.46	21.51	21.57		
10MHz 16QAM	RB1#0	21.53	20.9	21.45	17.21	34.77
	RB1#25	21.56	20.9	21.62		
	RB1#49	21.51	20.98	21.76		
	RB25#0	20.56	20.64	20.46		
	RB25#25	20.62	20.75	20.65		
	RB50#0	20.49	20.48	20.65		

Note:

ERP= Conducted Power(dBm) - Lc(dB) + Gr(dBd)

Gr(dBd)=Gr(dBi)-2.15

Result:**Pass****Peak-to-average Ratio(PAR)**

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	4.84	4.58	5.68	13
	RB50#0	5.42	5.51	5.04	13
10MHz 16QAM	RB1#0	5.86	5.48	6.64	13
	RB50#0	6.26	6.38	6	13
Result:					Pass

FCC §2.1049, §27.53:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.102	1.108	1.096	1.314	1.32	1.284
1.4MHz 16QAM	1.096	1.108	1.108	1.29	1.332	1.278
3MHz QPSK	2.695	2.695	2.695	3	3.024	3
3MHz 16QAM	2.683	2.695	2.695	3.036	3.072	3.012
5MHz QPSK	4.511	4.551	4.511	5.02	5.7	4.98
5MHz 16QAM	4.531	4.591	4.511	5.1	5.5	5.14
10MHz QPSK	8.982	8.982	8.902	9.8	9.96	9.6
10MHz 16QAM	8.982	8.982	8.902	9.8	10.08	9.72

Note: The test plots please refer to the Plots of Occupied Bandwidth

FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
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FCC §2.1051, §27.53:Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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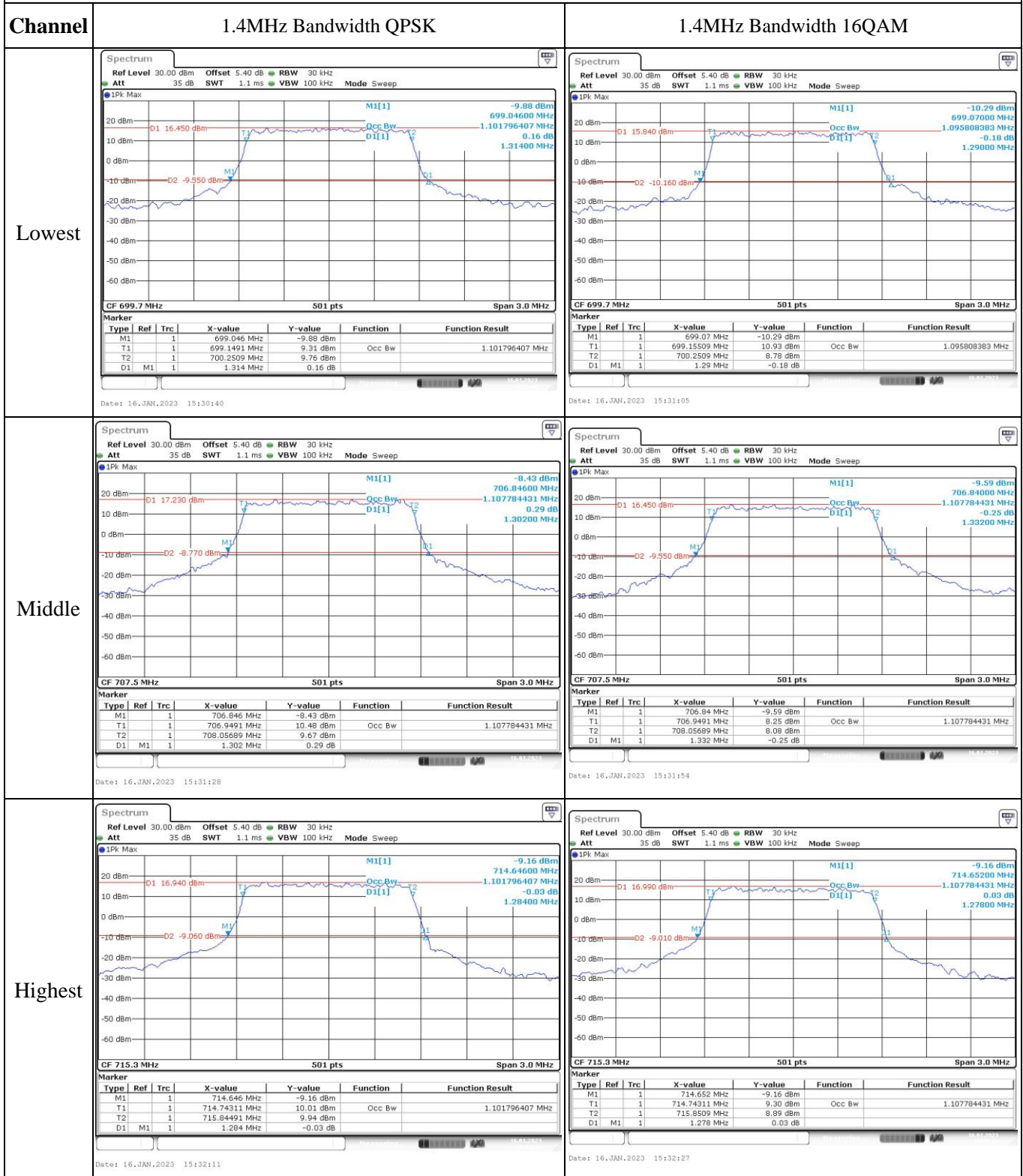
FCC §2.1055, §27.54: Frequency Stability

Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	699.416	699.00	715.410	716.00
	-20	7.4	699.445	699.00	715.413	716.00
	-10	7.4	699.441	699.00	715.424	716.00
	0	7.4	699.403	699.00	715.467	716.00
	10	7.4	699.481	699.00	715.456	716.00
	20	7.4	699.489	699.00	715.471	716.00
	30	7.4	699.471	699.00	715.475	716.00
	40	7.4	699.450	699.00	715.438	716.00
Frequency Stability vs. Voltage	20	6.95	699.490	699.00	715.445	716.00
	20	8.4	699.410	699.00	715.476	716.00
					Result:	Pass

Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	7.4	699.497	699.00	715.464	716.00
	-20	7.4	699.427	699.00	715.428	716.00
	-10	7.4	699.498	699.00	715.470	716.00
	0	7.4	699.488	699.00	715.403	716.00
	10	7.4	699.471	699.00	715.467	716.00
	20	7.4	699.489	699.00	715.471	716.00
	30	7.4	699.432	699.00	715.406	716.00
	40	7.4	699.404	699.00	715.494	716.00
Frequency Stability vs. Voltage	20	6.95	699.453	699.00	715.482	716.00
	20	8.4	699.415	699.00	715.414	716.00
					Result:	Pass

Test Plots(Note: The 5.4dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



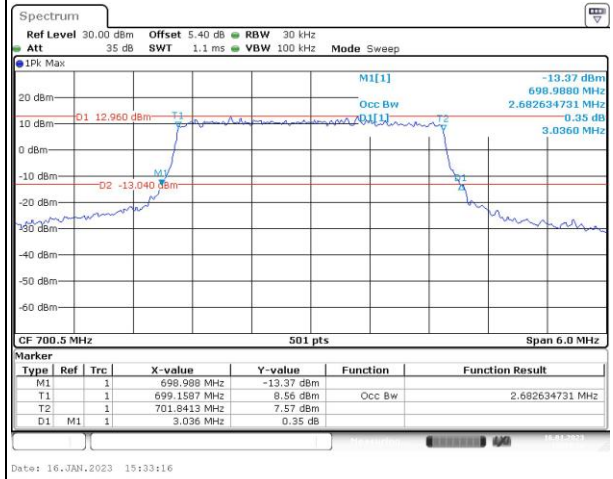
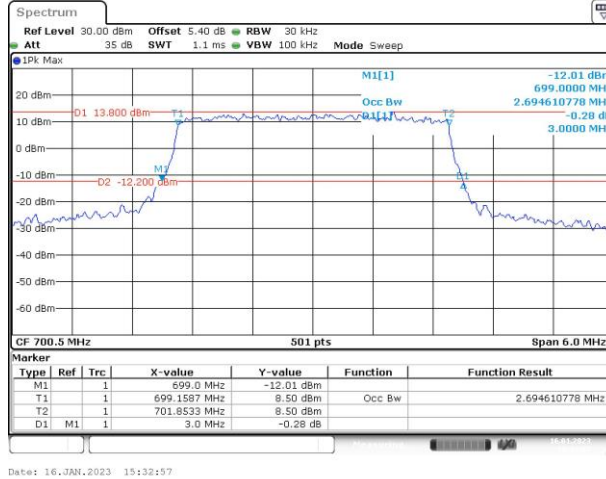
Occupied Bandwidth

Channel

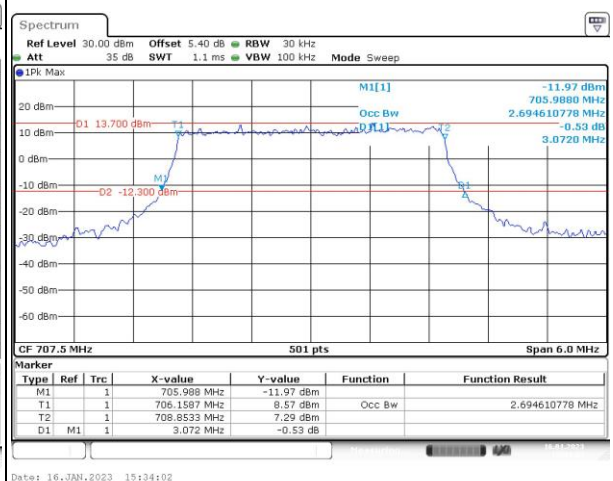
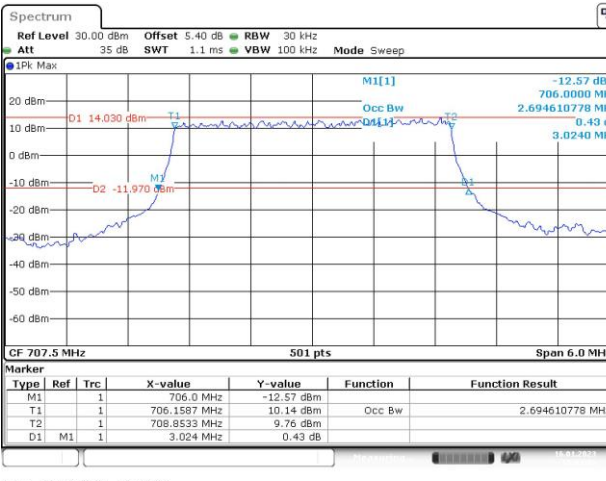
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

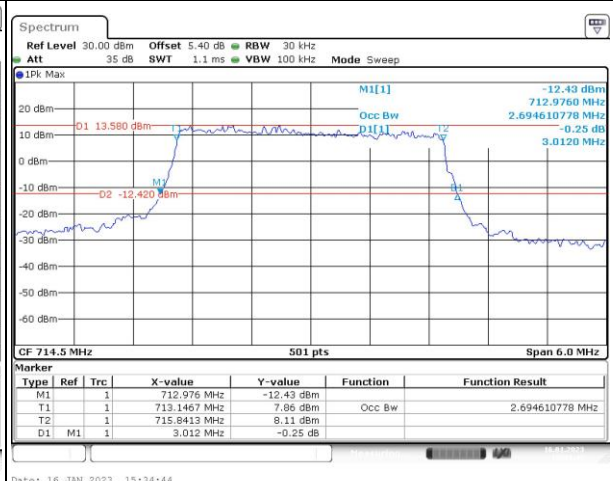
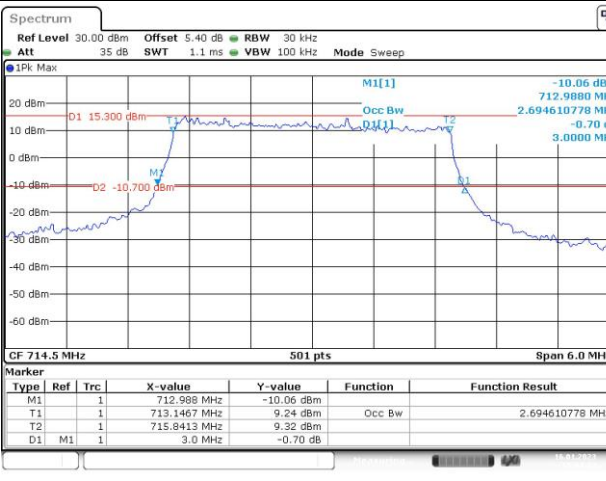
Lowest



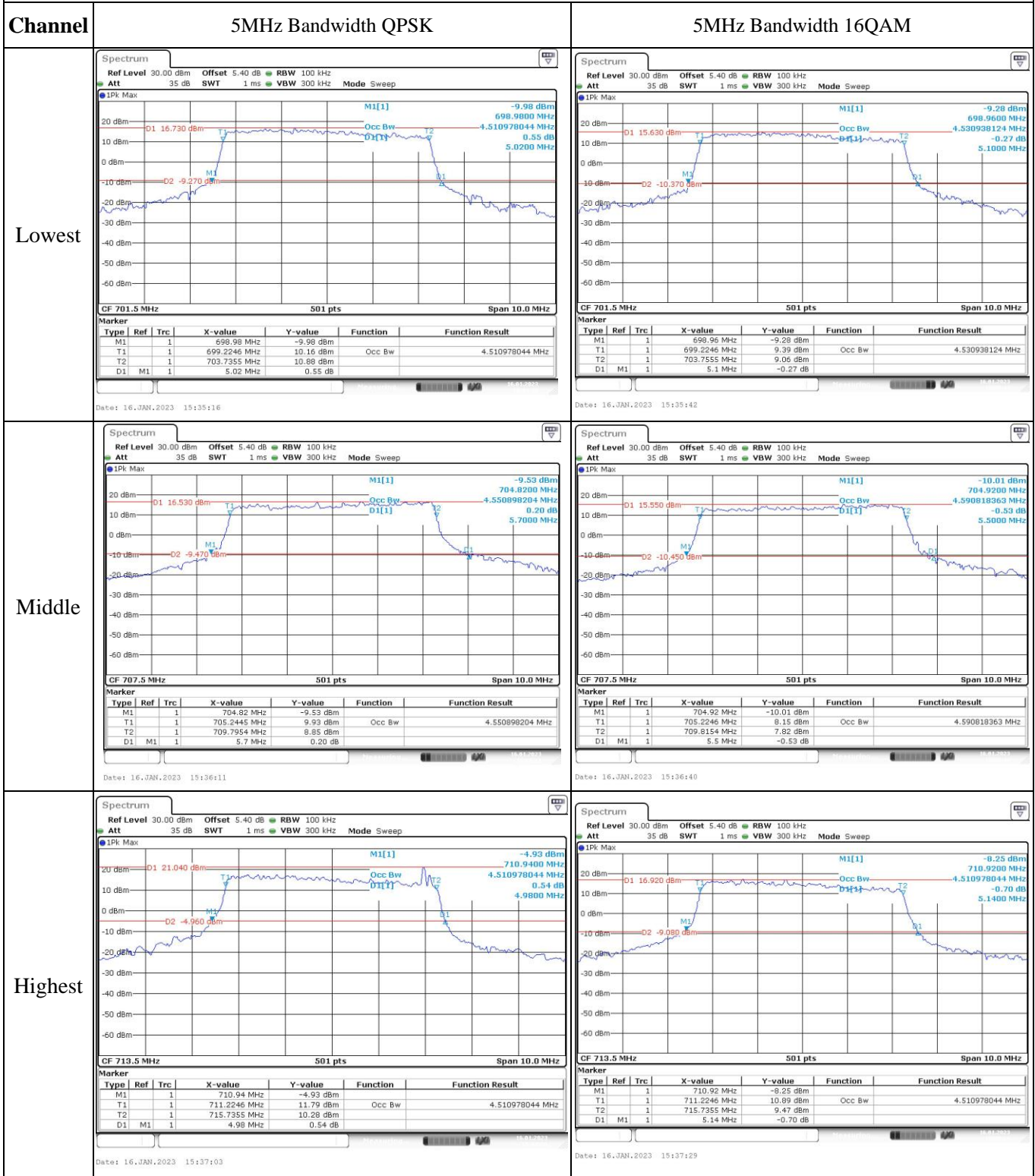
Middle



Highest



Occupied Bandwidth



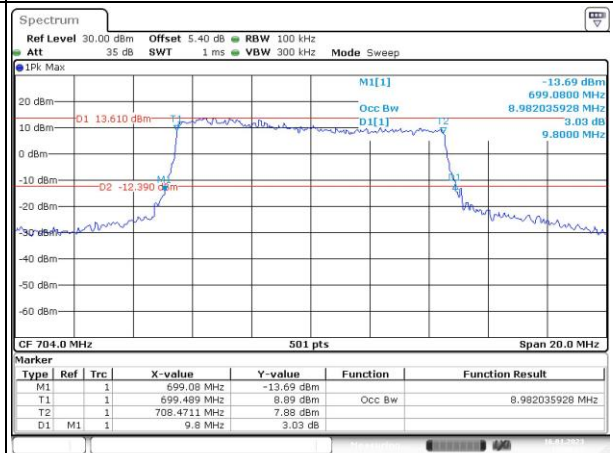
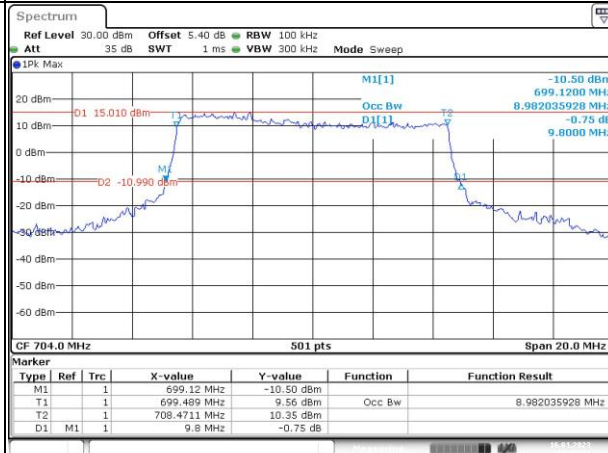
Occupied Bandwidth

Channel

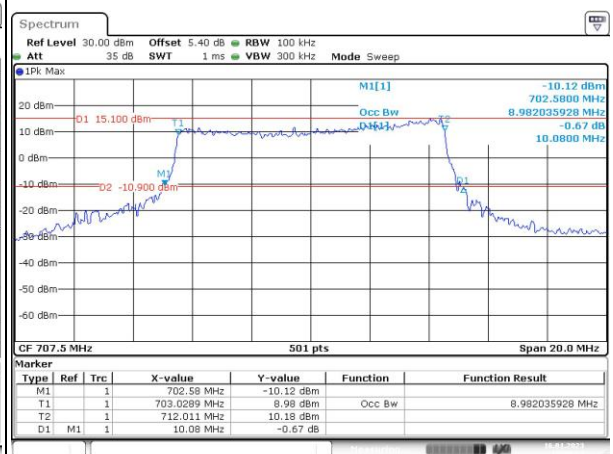
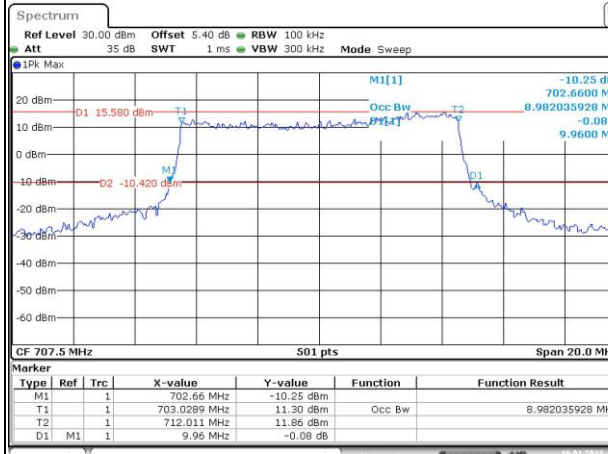
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

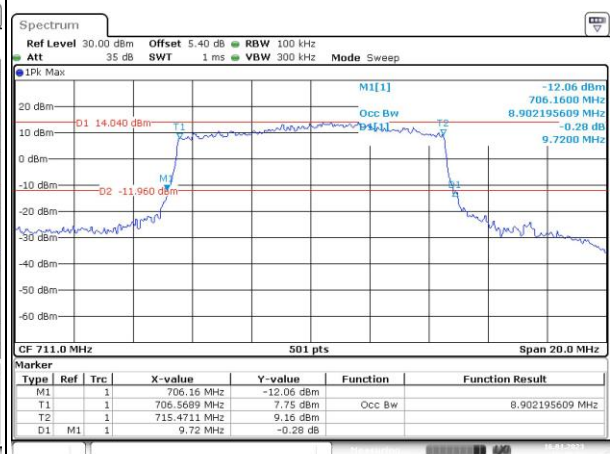
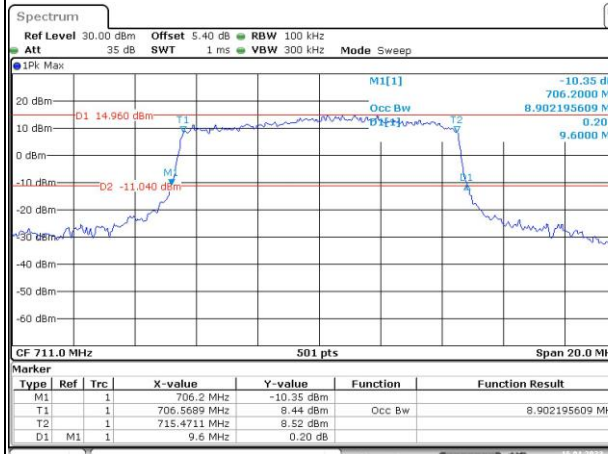
Lowest



Middle



Highest

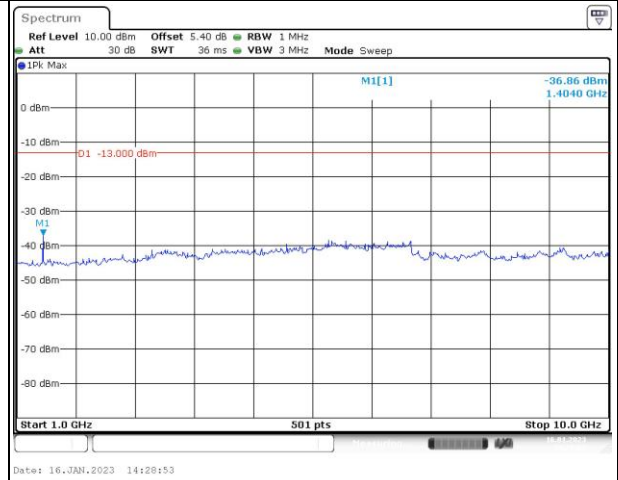
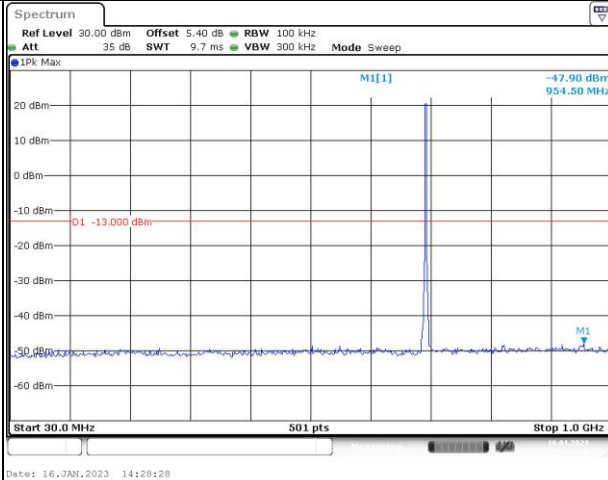


Spurious Emissions at Antenna Terminal

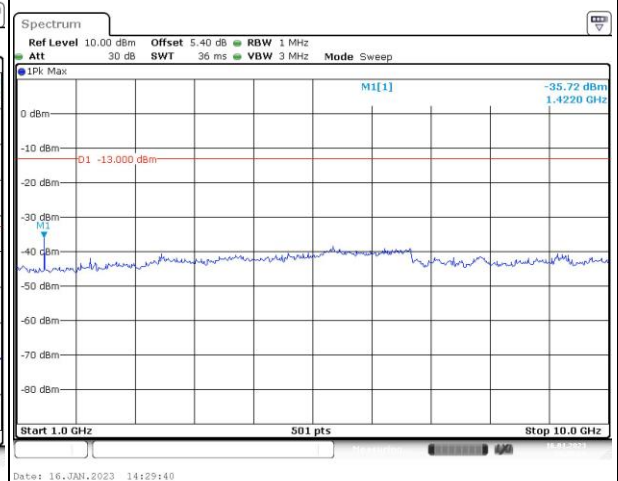
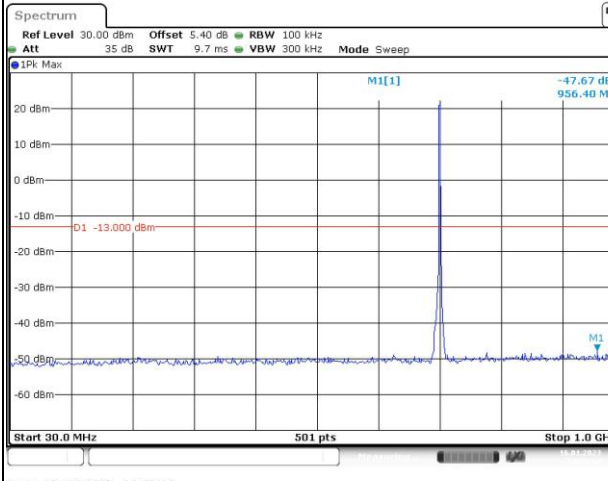
Channel

1.4MHz Bandwidth QPSK

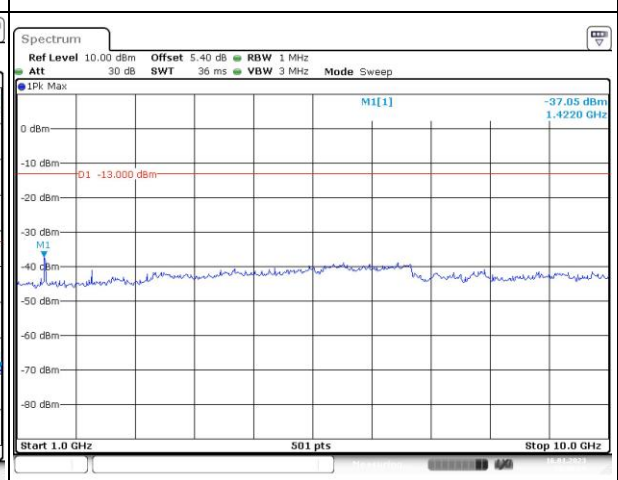
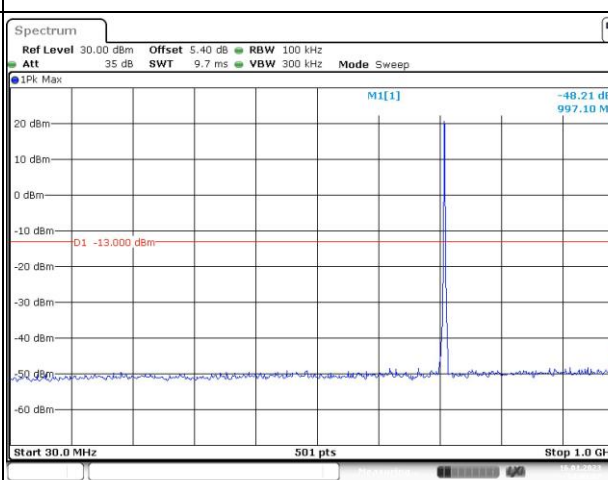
Lowest



Middle



Highest

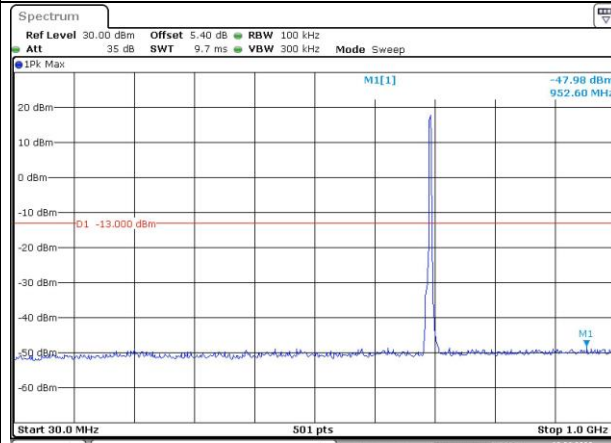


Spurious Emissions at Antenna Terminal

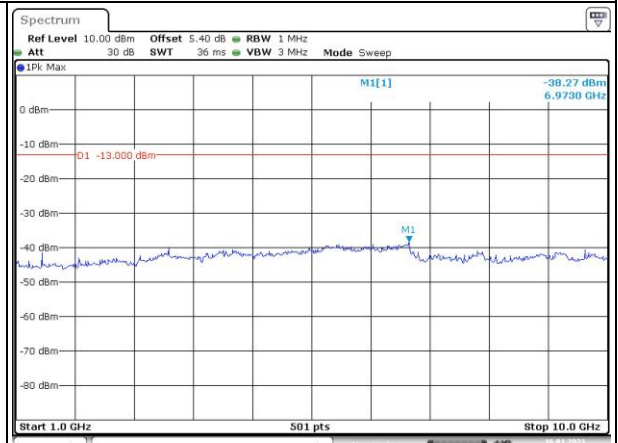
Channel

3MHz Bandwidth QPSK

Lowest

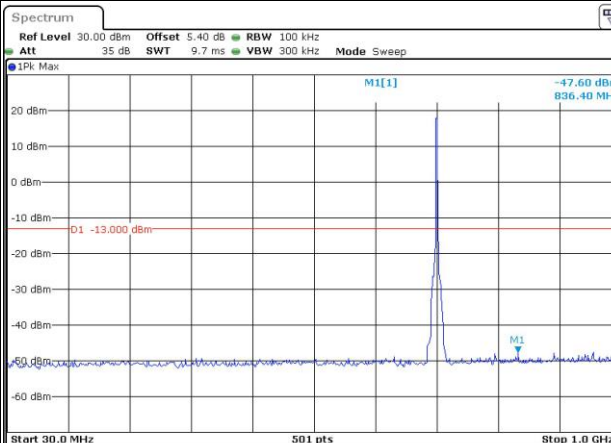


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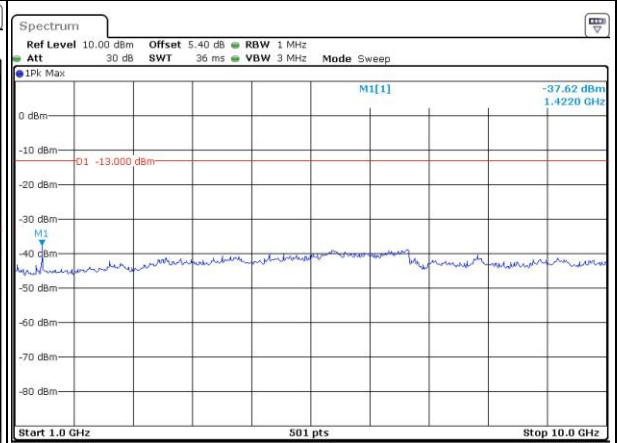


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Middle

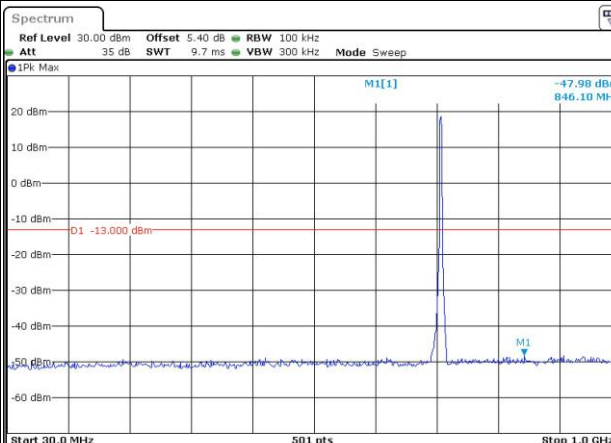


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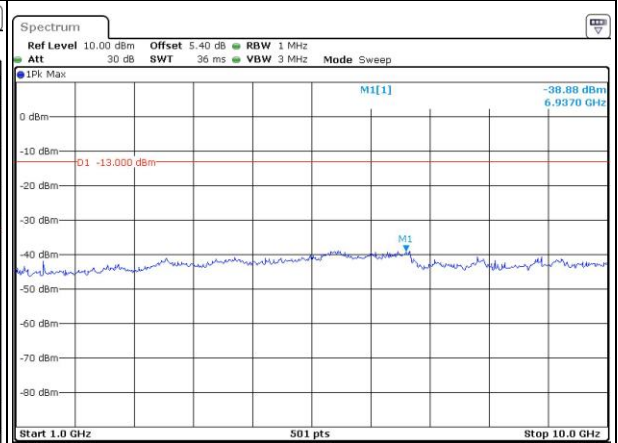


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Highest



Date: 16.JAN.2023 14:32:48



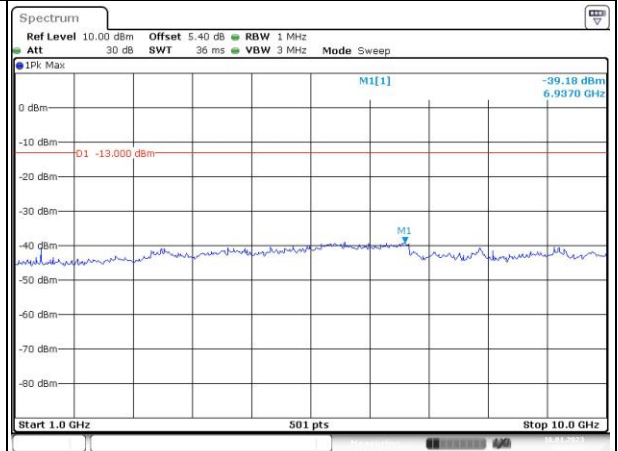
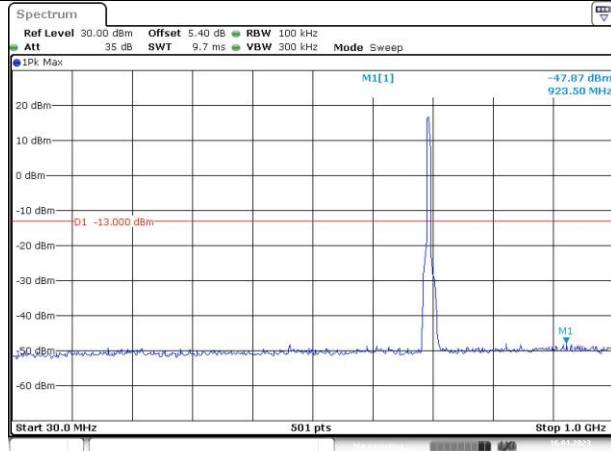
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Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK

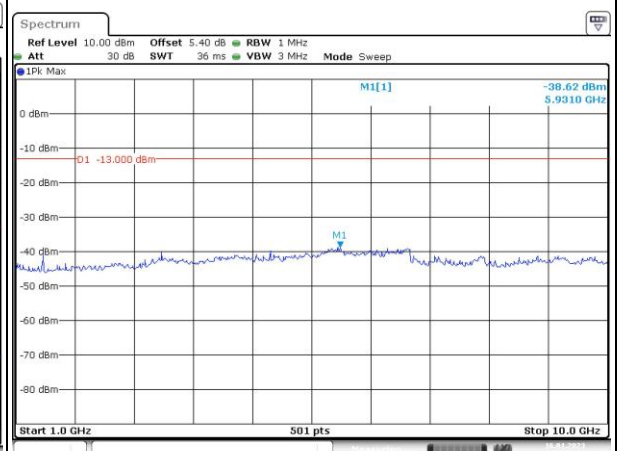
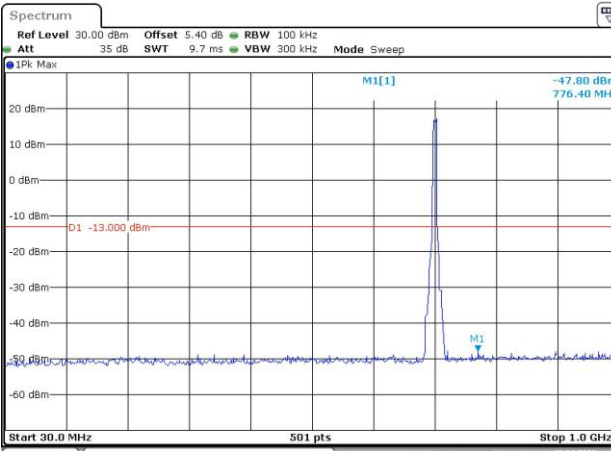
Lowest



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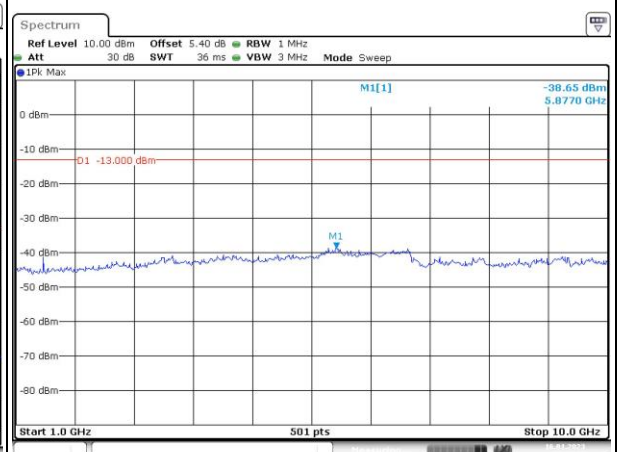
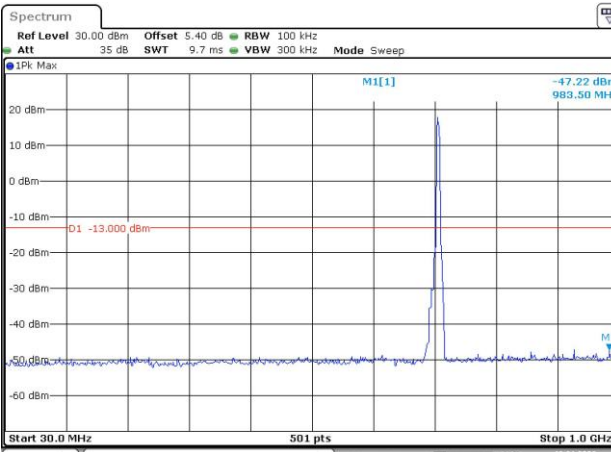
Middle



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Date: 16, JAN, 2023 14:35:15

Highest



Date: 16, JAN, 2023 14:35:49

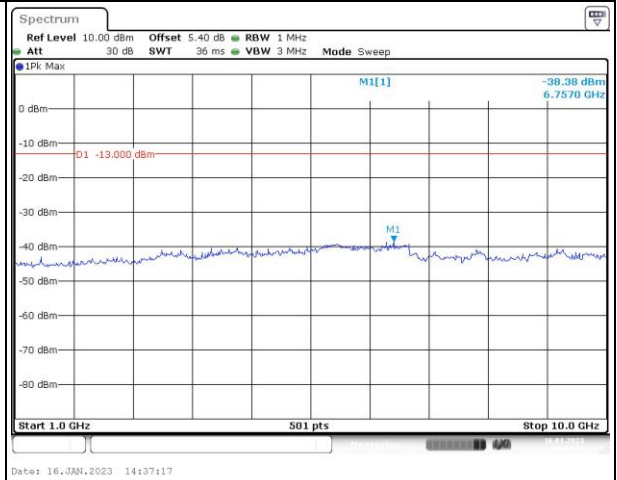
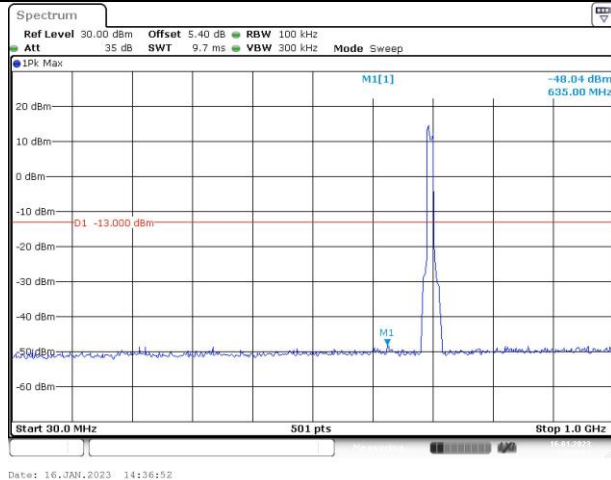
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Spurious Emissions at Antenna Terminal

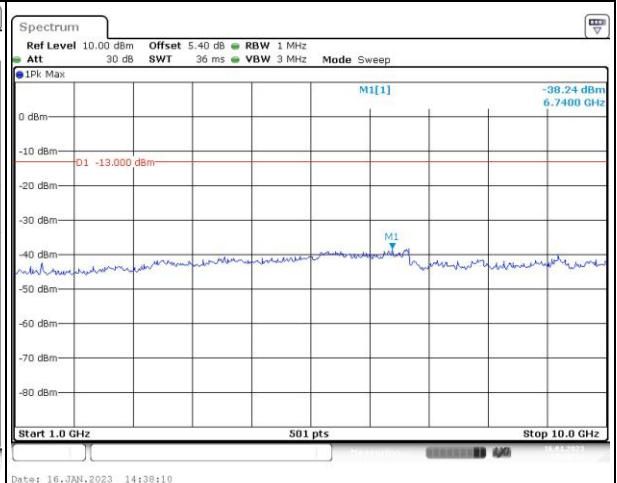
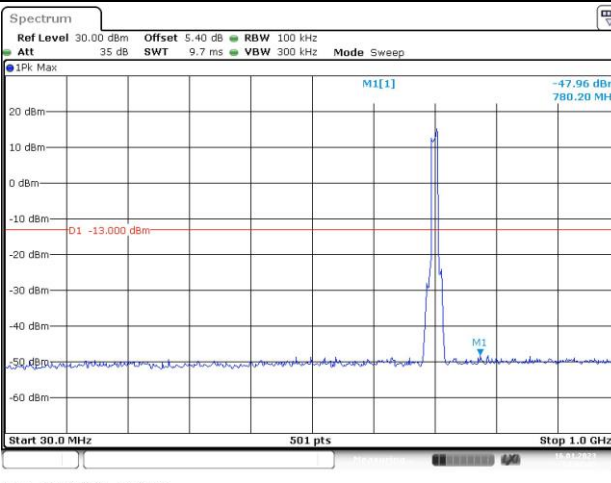
Channel

10MHz Bandwidth QPSK

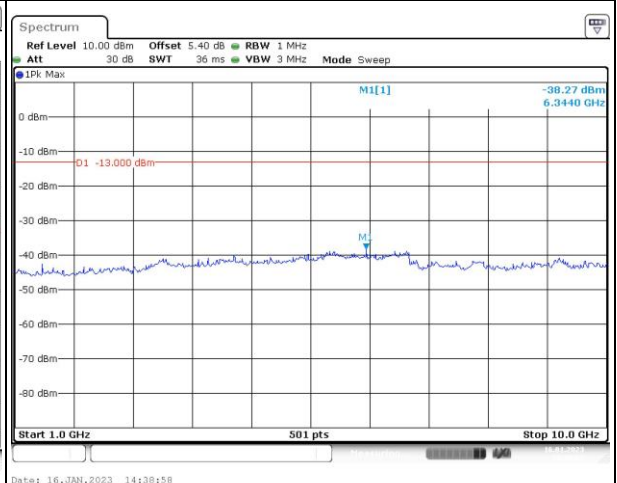
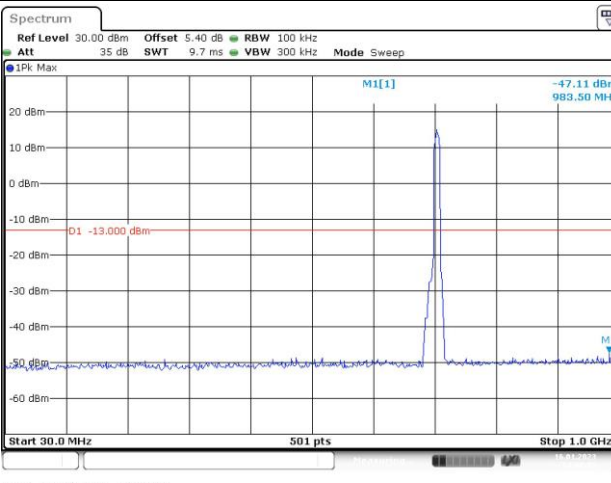
Lowest



Middle



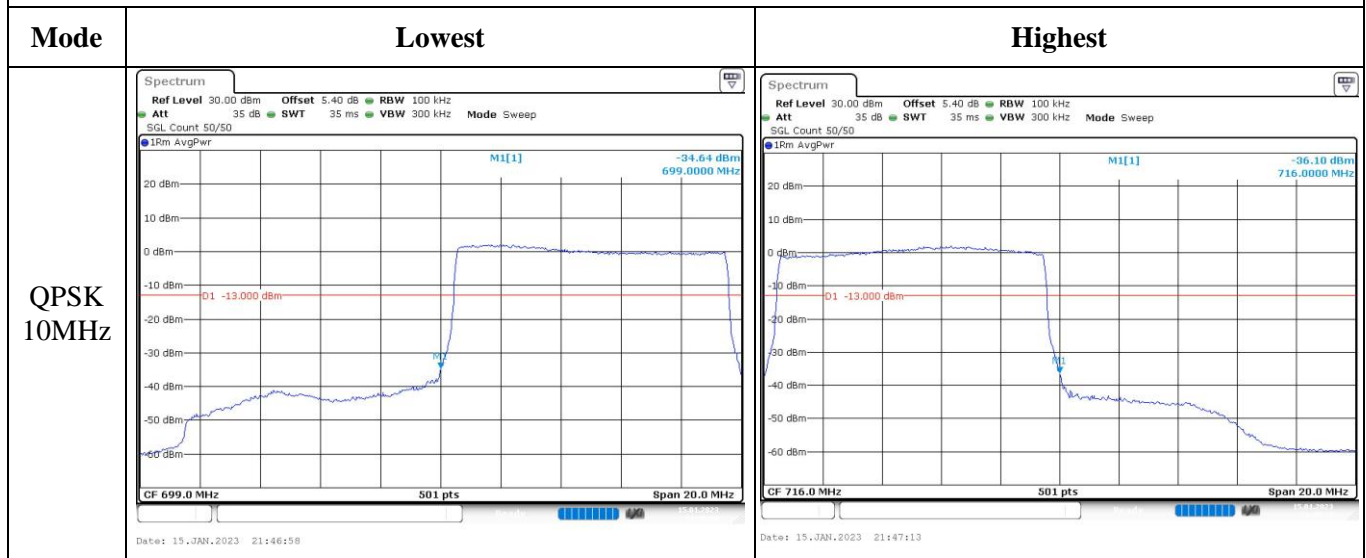
Highest



Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 1.4MHz	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -31.38 dBm 699.00000 MHz D1 -13.000 dBm CF 699.0 MHz 501 pts Span 3.0 MHz Date: 15.JAN.2023 21:45:27</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -31.01 dBm 716.02990 MHz D1 -13.000 dBm CF 716.0 MHz 501 pts Span 3.0 MHz Date: 15.JAN.2023 21:45:40</p>
QPSK 3MHz	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -29.18 dBm 699.00000 MHz D1 -13.000 dBm CF 699.0 MHz 501 pts Span 6.0 MHz Date: 15.JAN.2023 21:45:57</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -29.17 dBm 716.00000 MHz D1 -13.000 dBm CF 716.0 MHz 501 pts Span 6.0 MHz Date: 15.JAN.2023 21:46:11</p>
QPSK 5MHz	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -29.65 dBm 699.00000 MHz D1 -13.000 dBm CF 699.0 MHz 501 pts Span 10.0 MHz Date: 15.JAN.2023 21:46:27</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -30.40 dBm 716.02000 MHz D1 -13.000 dBm CF 716.0 MHz 501 pts Span 10.0 MHz Date: 15.JAN.2023 21:46:41</p>

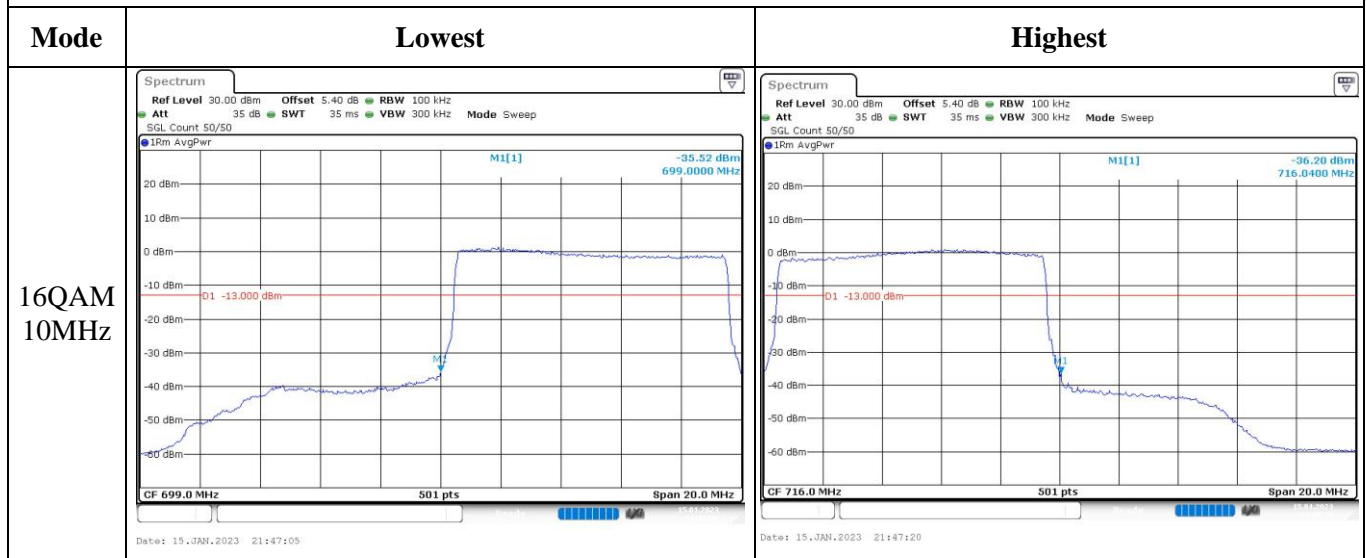
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 1.4MHz	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -32.15 dBm 699.00000 MHz -13.000 dBm CF 699.0 MHz 501 pts Span 3.0 MHz Date: 15.JAN.2023 21:45:33</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -36.09 dBm 716.00000 MHz -13.000 dBm CF 716.0 MHz 501 pts Span 3.0 MHz Date: 15.JAN.2023 21:45:46</p>
16QAM 3MHz	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -27.69 dBm 699.00000 MHz -13.000 dBm CF 699.0 MHz 501 pts Span 6.0 MHz Date: 15.JAN.2023 21:46:04</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -30.06 dBm 716.00000 MHz -13.000 dBm CF 716.0 MHz 501 pts Span 6.0 MHz Date: 15.JAN.2023 21:46:17</p>
16QAM 5MHz	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -26.81 dBm 699.00000 MHz -13.000 dBm CF 699.0 MHz 501 pts Span 10.0 MHz Date: 15.JAN.2023 21:46:34</p>	<p>Ref Level 30.00 dBm Offset 5.40 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 IRm AvgPwr MI[1] -31.63 dBm 716.04000 MHz -13.000 dBm CF 716.0 MHz 501 pts Span 10.0 MHz Date: 15.JAN.2023 21:46:47</p>

Out of band emission, Band Edge



4.11 Antenna Port Test Data and Results for LTE Band 17

Serial Number:	1XBG-2	Test Date:	2023/1/13~2023/1/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	18.3~24.6	Relative Humidity: (%)	42~58	ATM Pressure: (kPa)	100.6~102.3
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022-07-15	2023-07-14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2022-04-06	2023-04-05
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022-07-15	2023-07-14

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	706.5	710	713.5
10MHz	709	710	711

Test Data:**FCC §2.1046; § 27.50(c) (10)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	22.44	22.24	22.43	17.95	34.77
	RB1#13	22.41	22.37	22.5		
	RB1#24	22.46	22.37	22.48		
	RB15#0	21.53	21.42	21.46		
	RB15#10	21.51	21.38	21.48		
	RB25#0	21.51	21.45	21.52		
5MHz 16QAM	RB1#0	21.41	20.92	20.59	16.91	34.77
	RB1#13	21.32	21.01	20.64		
	RB1#24	21.46	21.07	20.7		
	RB15#0	20.42	20.67	20.64		
	RB15#10	20.41	20.69	20.68		
	RB25#0	20.51	20.55	20.74		
10MHz QPSK	RB1#0	22.49	22.39	22.35	18.1	34.77
	RB1#25	22.48	22.46	22.39		
	RB1#49	22.65	22.58	22.53		
	RB25#0	21.37	21.37	21.42		
	RB25#25	21.52	21.52	21.56		
	RB50#0	21.37	21.5	21.53		
10MHz 16QAM	RB1#0	21.44	20.95	21.48	17.17	34.77
	RB1#25	21.46	21.01	21.59		
	RB1#49	21.72	21.02	21.72		
	RB25#0	20.51	20.64	20.45		
	RB25#25	20.74	20.74	20.64		
	RB50#0	20.56	20.59	20.65		

Note:

ERP= Conducted Power(dBm) - Lc(dB) + Gr(dBd)

Gr(dBd)=Gr(dBi)-2.15

Result:**Pass**