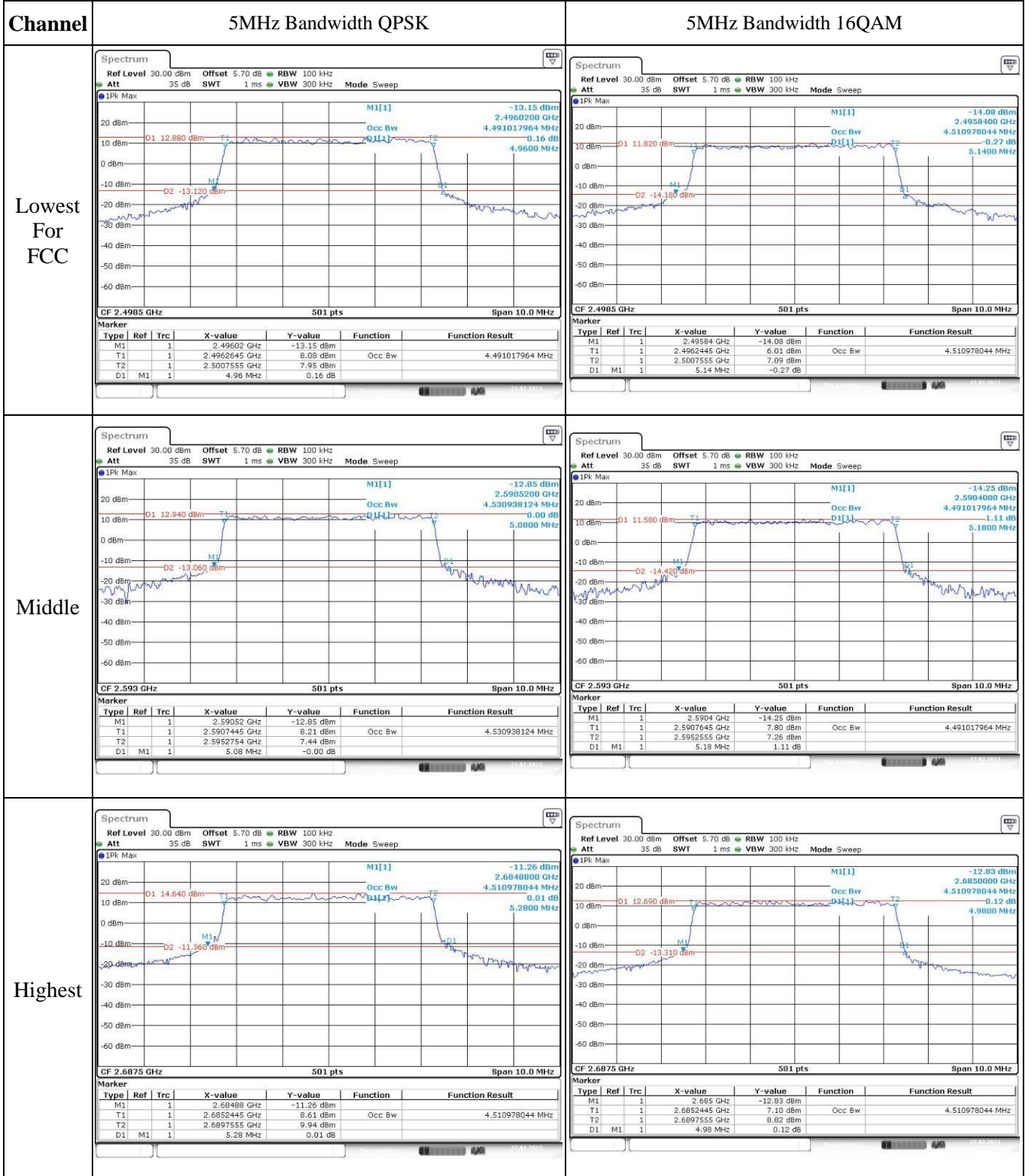


Test Plots(Note: The 5.7dB is the Insertion loss of the RF cable, Coaxial tee connector and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



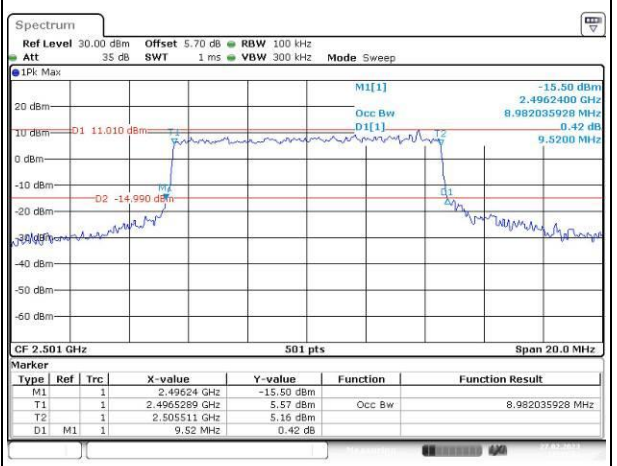
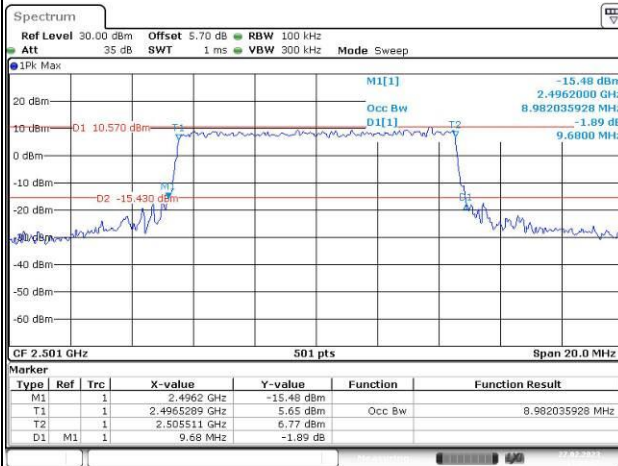
Occupied Bandwidth

Channel

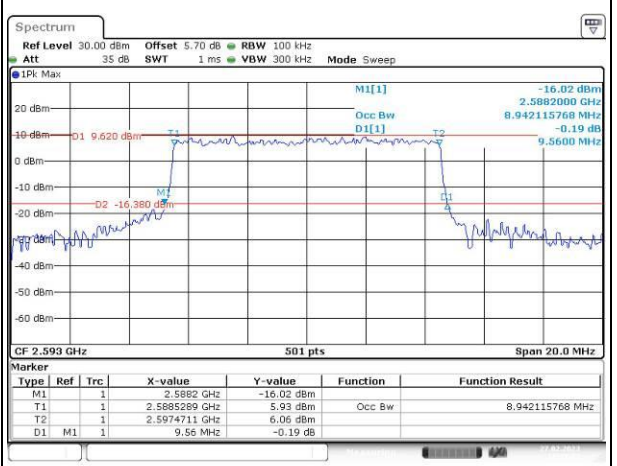
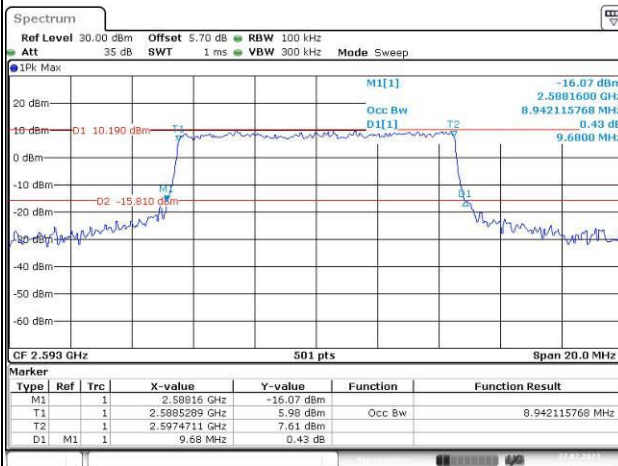
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

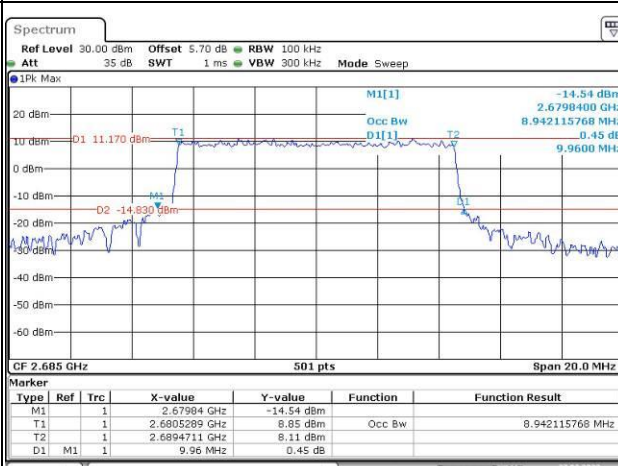
Lowest For FCC



Middle



Highest



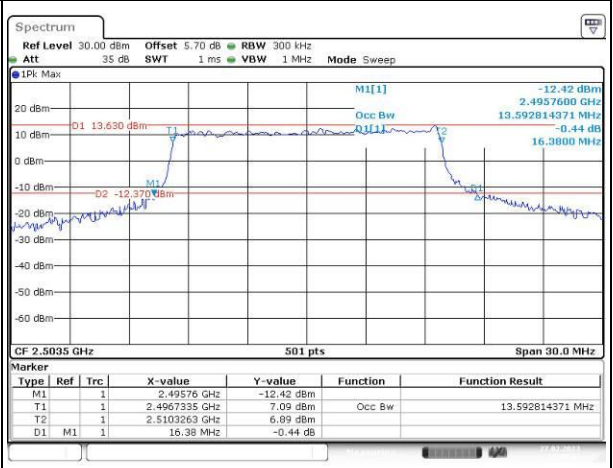
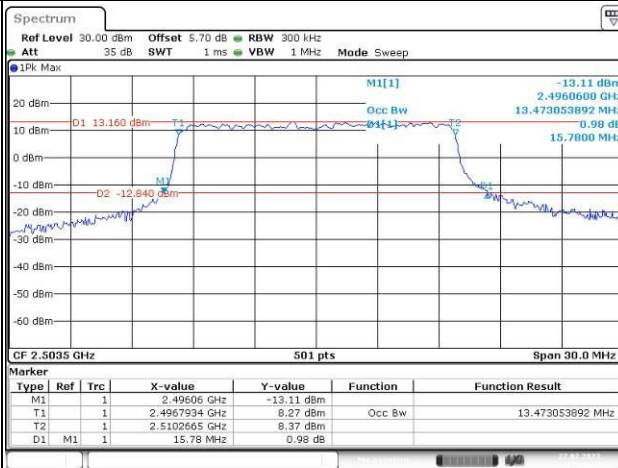
Occupied Bandwidth

Channel

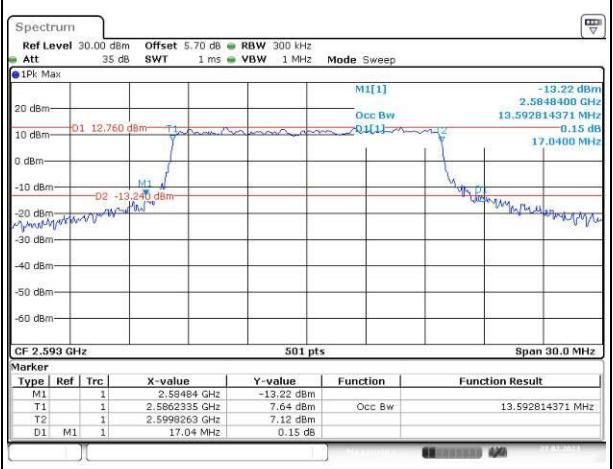
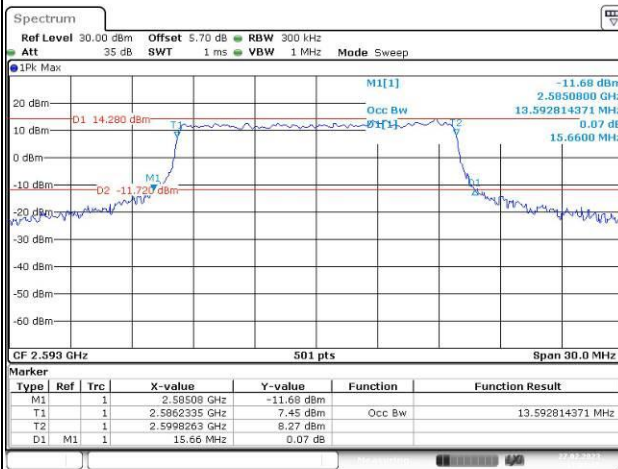
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

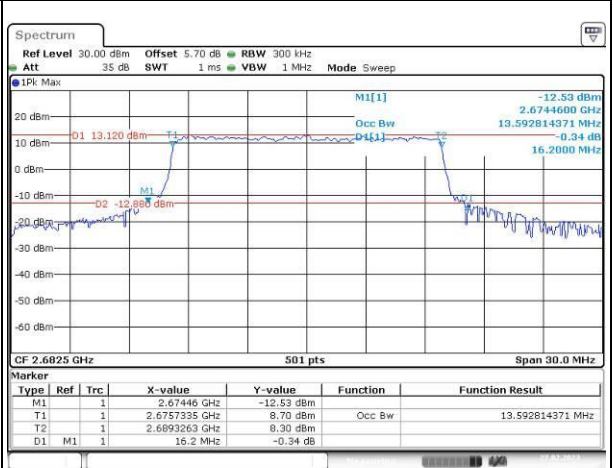
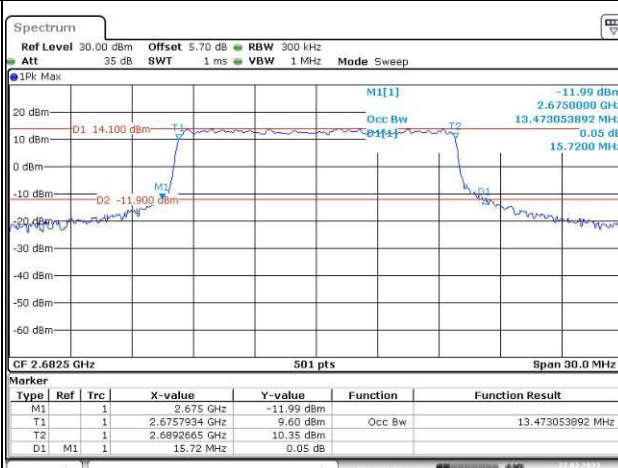
Lowest
For
FCC



Middle



Highest



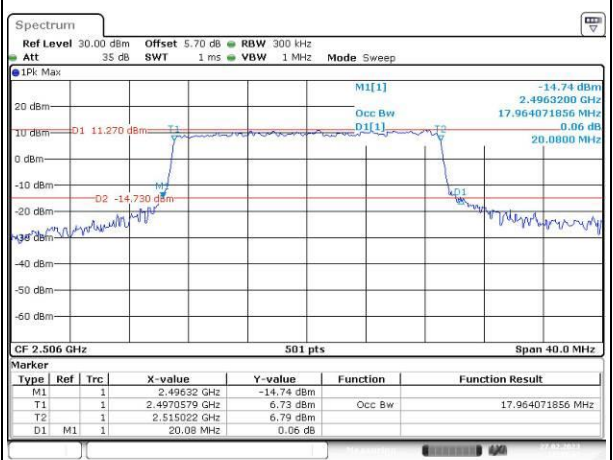
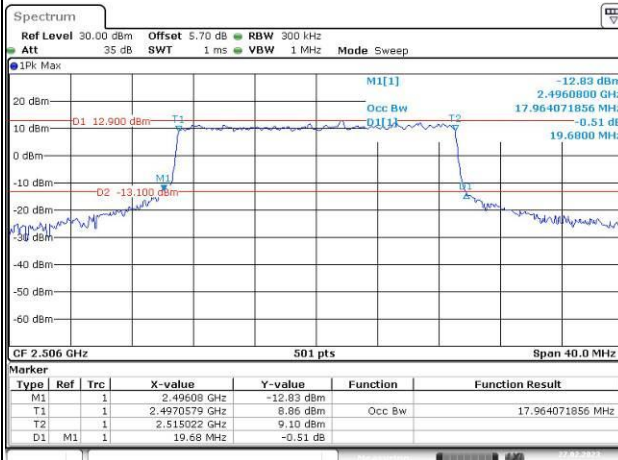
Occupied Bandwidth

Channel

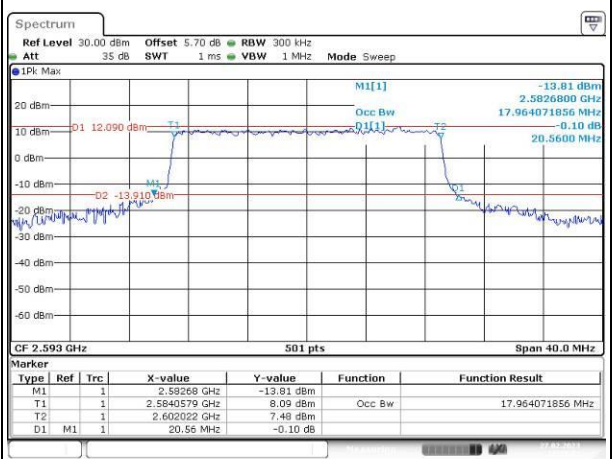
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

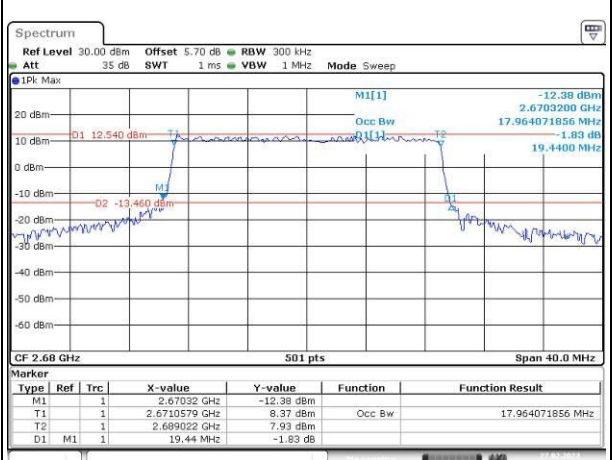
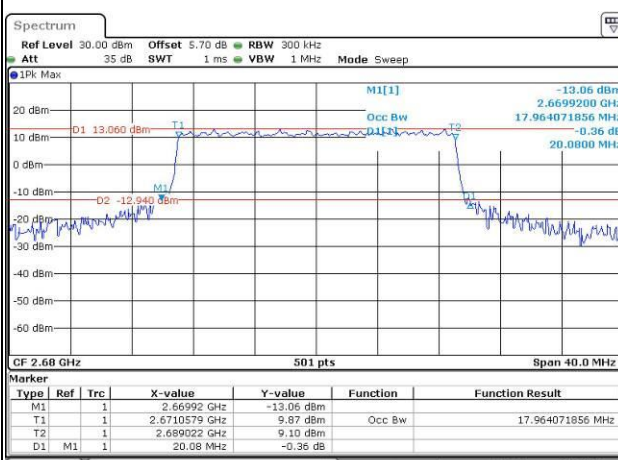
Lowest
For
FCC



Middle



Highest



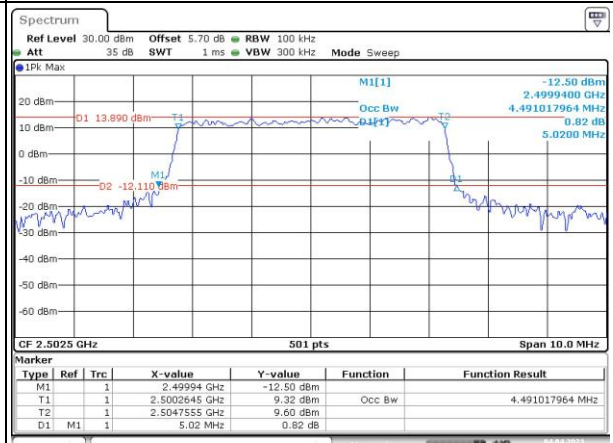
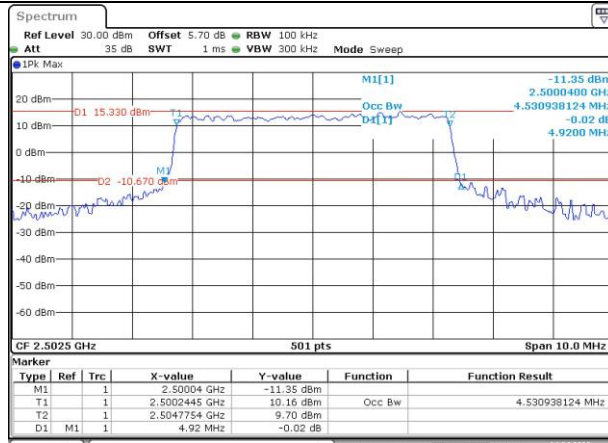
Occupied Bandwidth

Channel

5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

Lowest For RSS-199



Date: 4.APR.2023 22:26:10

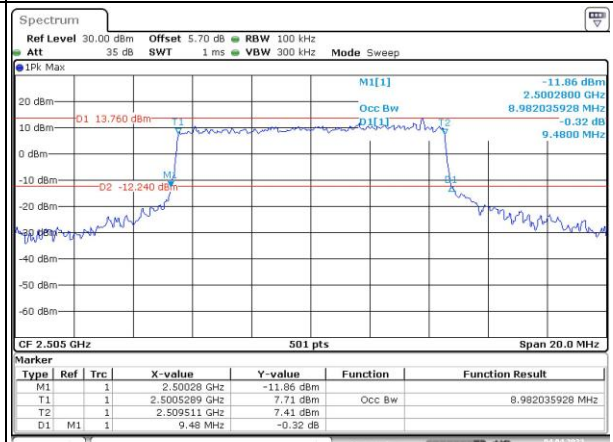
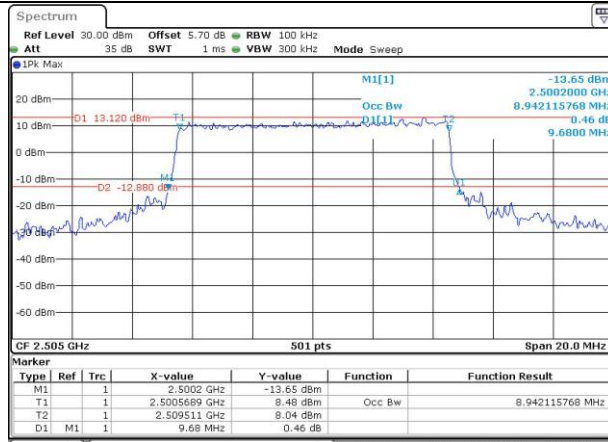
Date: 4.APR.2023 22:26:46

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

Lowest For RSS-199



Date: 4.APR.2023 22:33:59

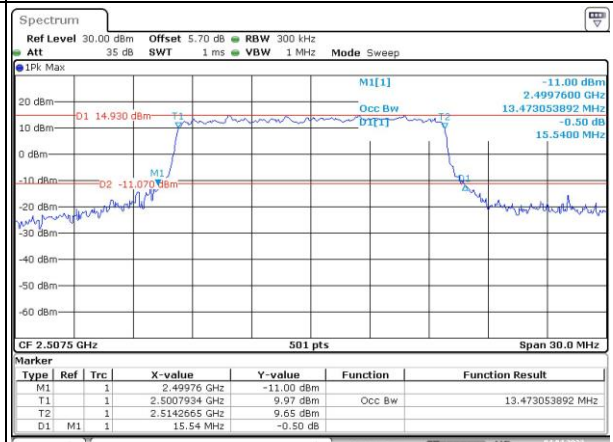
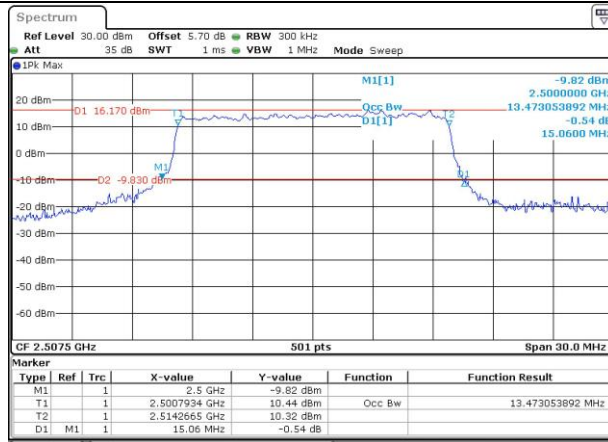
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Channel

15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

Lowest For RSS-199



Date: 4.APR.2023 22:39:20

Date: 4.APR.2023 22:39:53

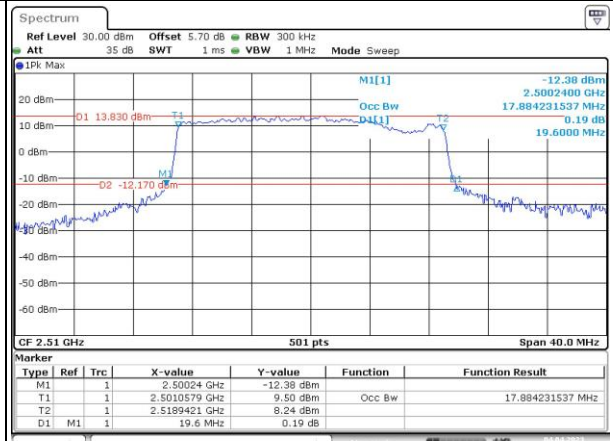
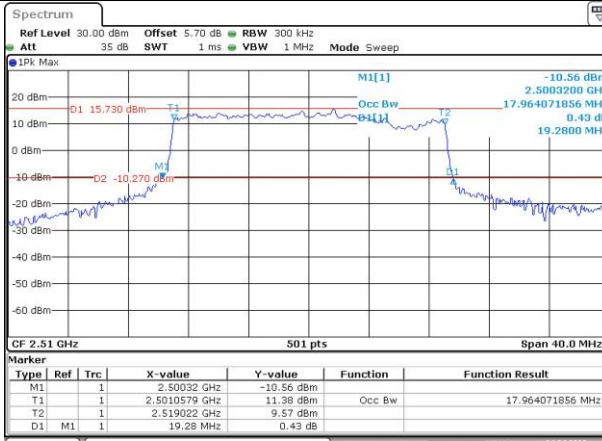
Occupied Bandwidth

Channel

20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

Lowest For RSS-199



Date: 4.APR.2023 22:45:16

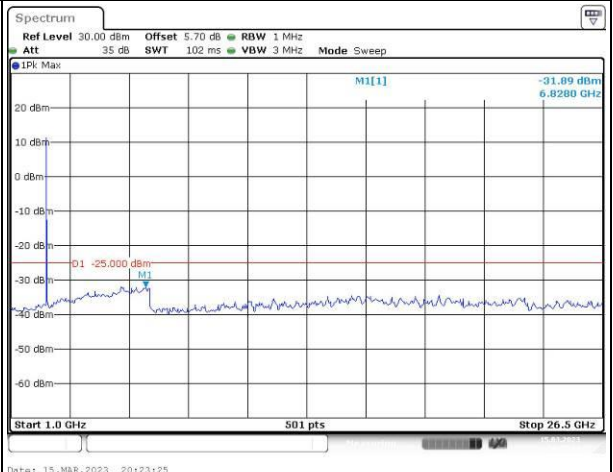
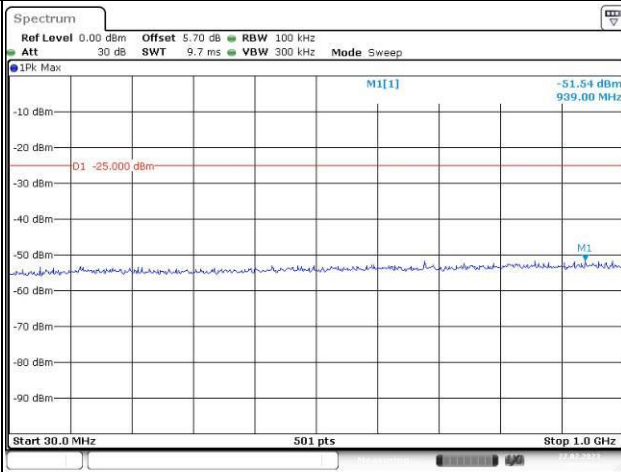
Date: 4.APR.2023 22:45:12

Spurious Emissions at Antenna Terminal

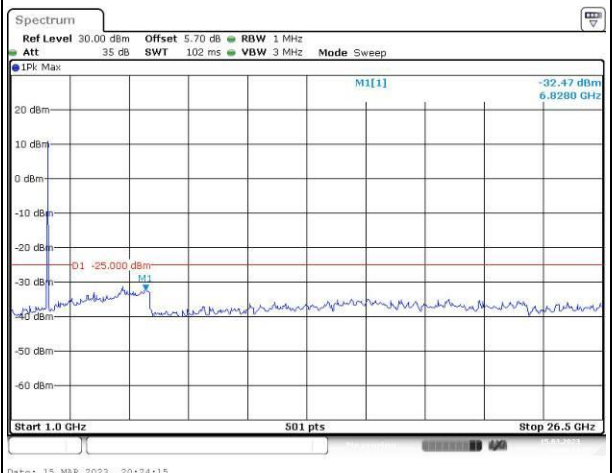
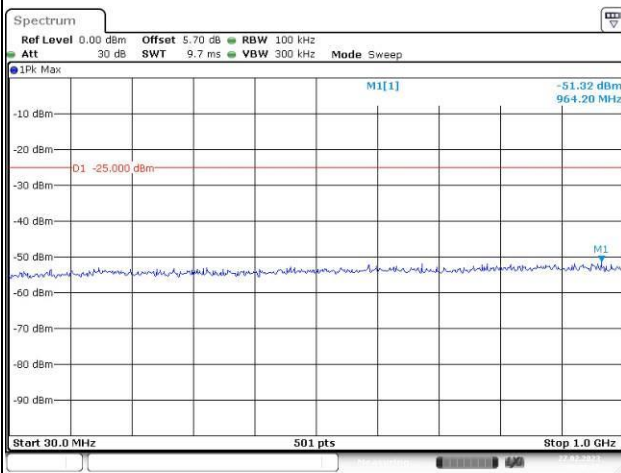
Channel

5MHz Bandwidth QPSK

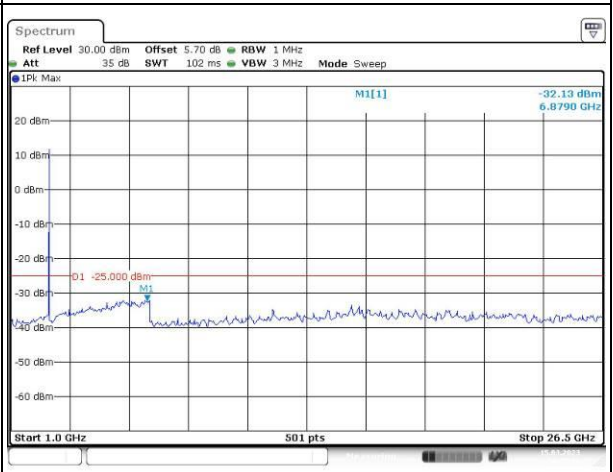
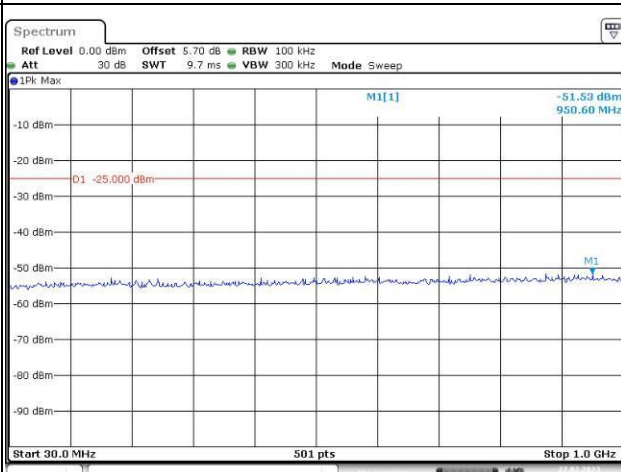
Lowest for FCC



Middle



Highest

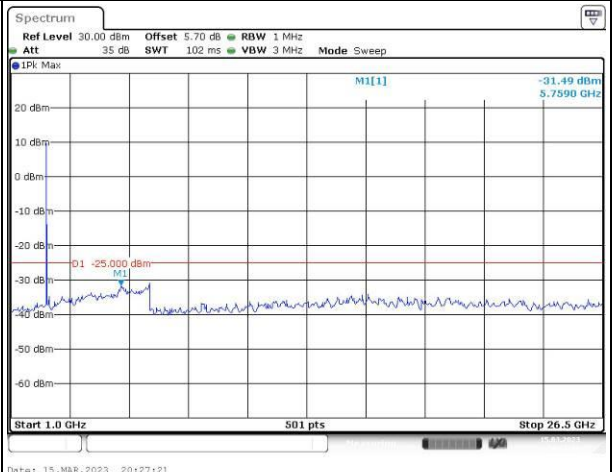
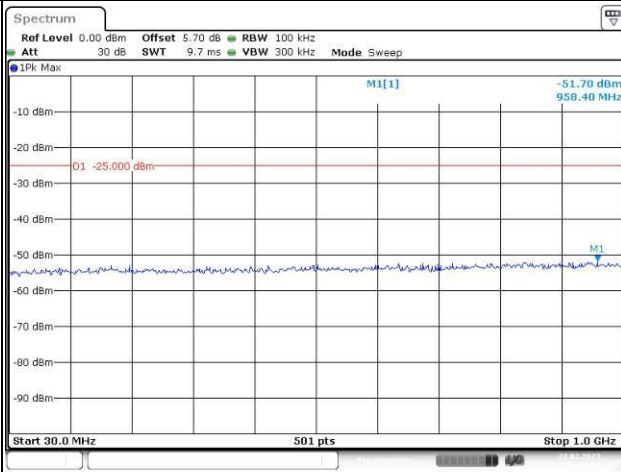


Spurious Emissions at Antenna Terminal

Channel

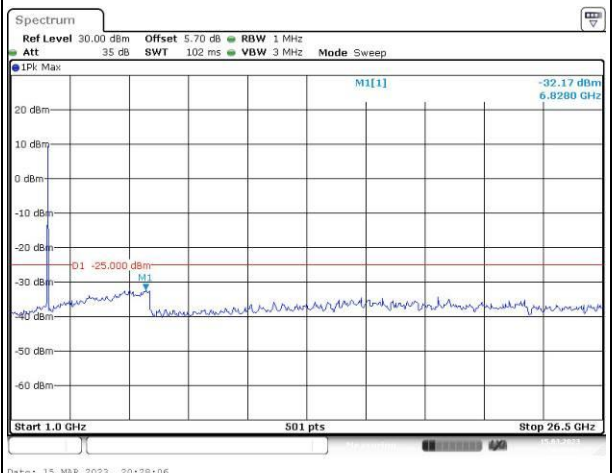
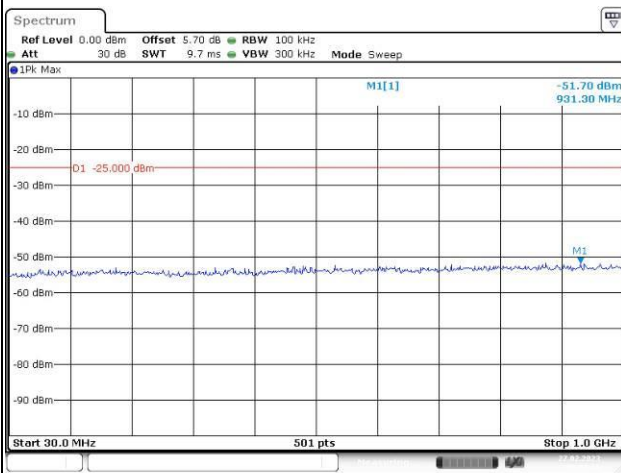
10MHz Bandwidth QPSK

Lowest
for FCC



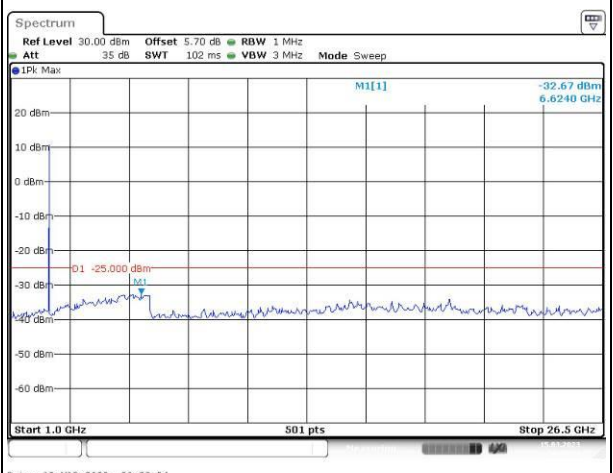
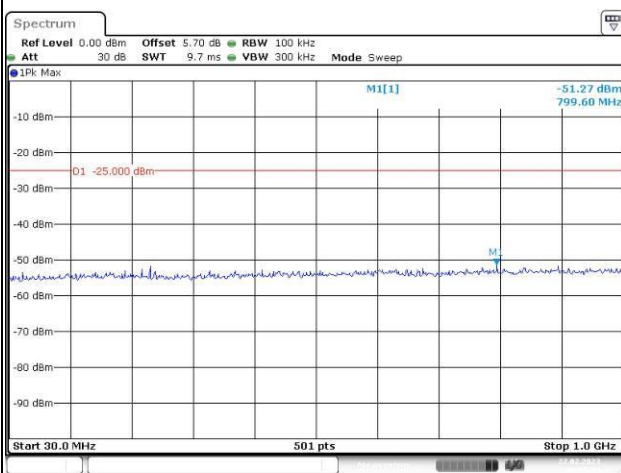
Date: 15.MAR.2023 20:27:21

Middle



Date: 15.MAR.2023 20:28:06

Highest



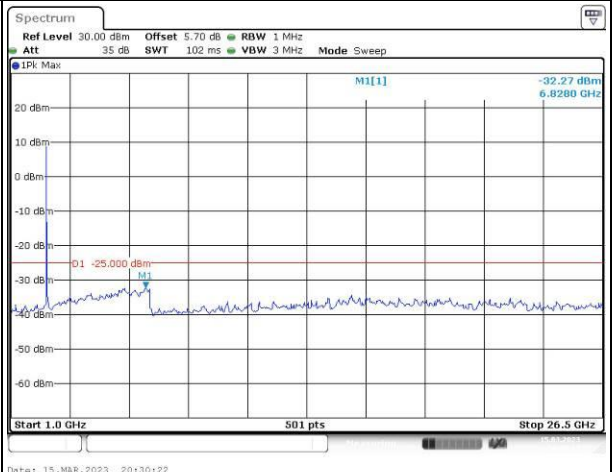
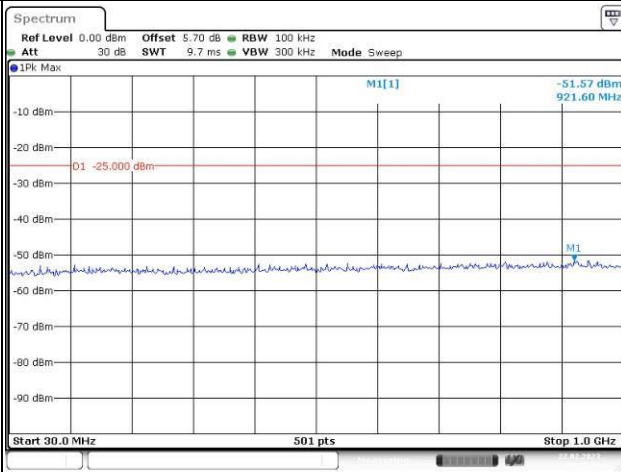
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Spurious Emissions at Antenna Terminal

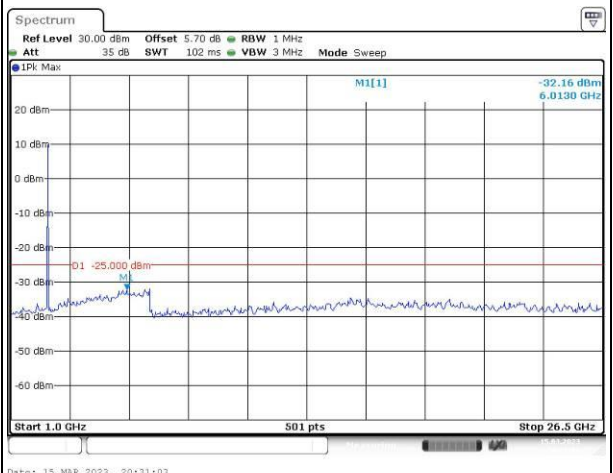
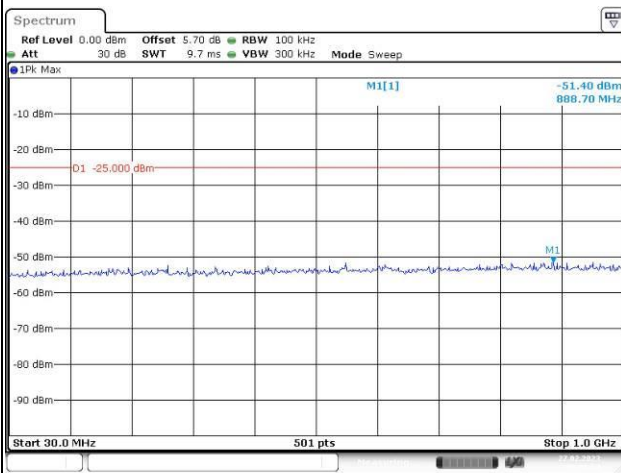
Channel

15MHz Bandwidth QPSK

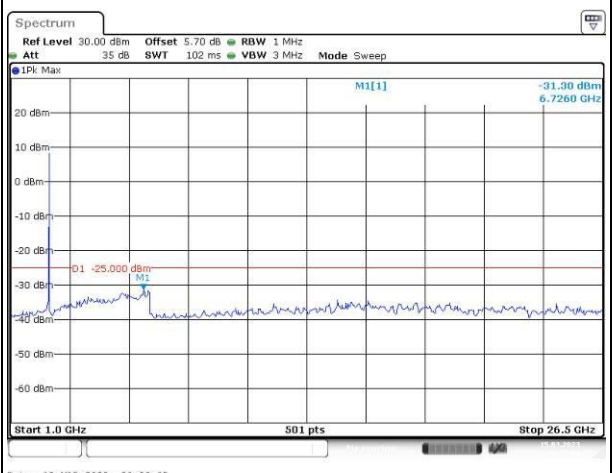
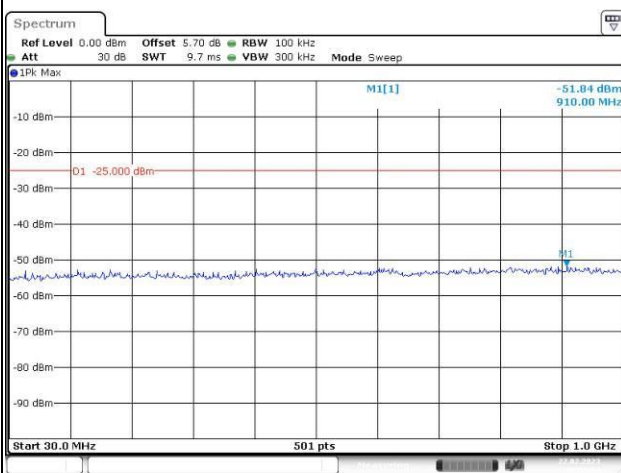
Lowest for FCC



Middle



Highest

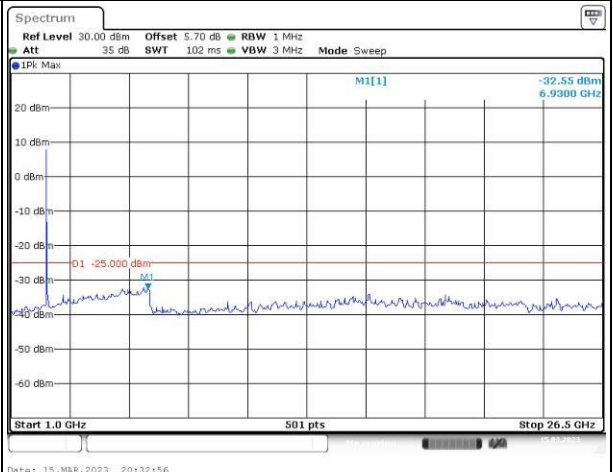
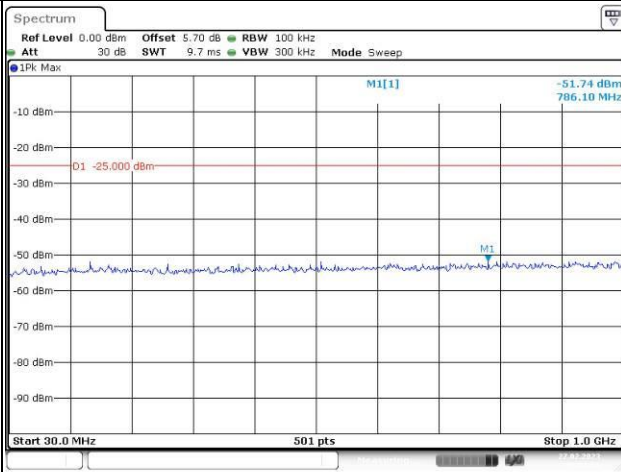


Spurious Emissions at Antenna Terminal

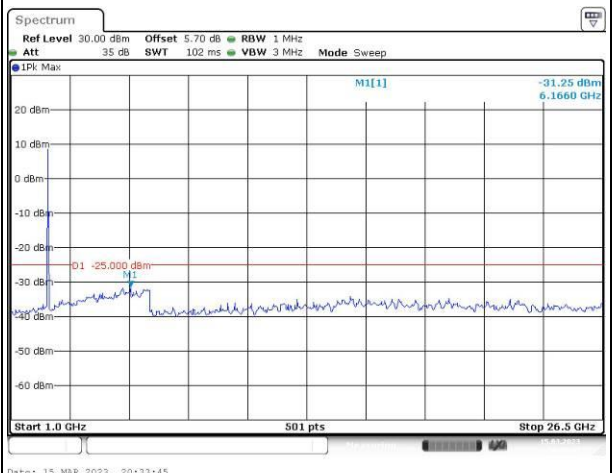
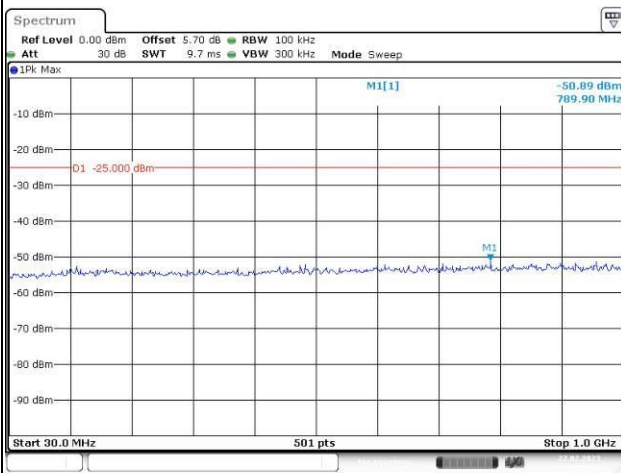
Channel

20MHz Bandwidth QPSK

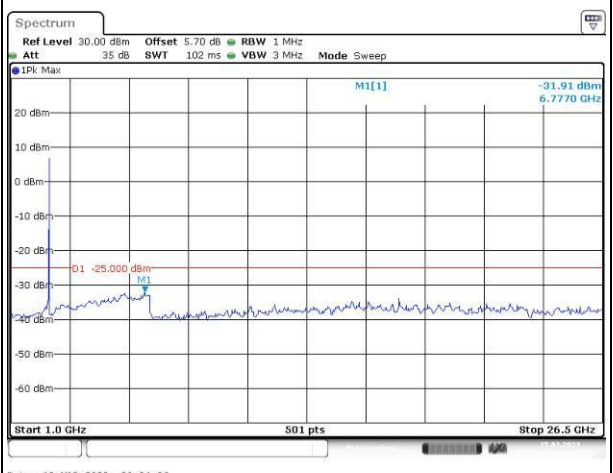
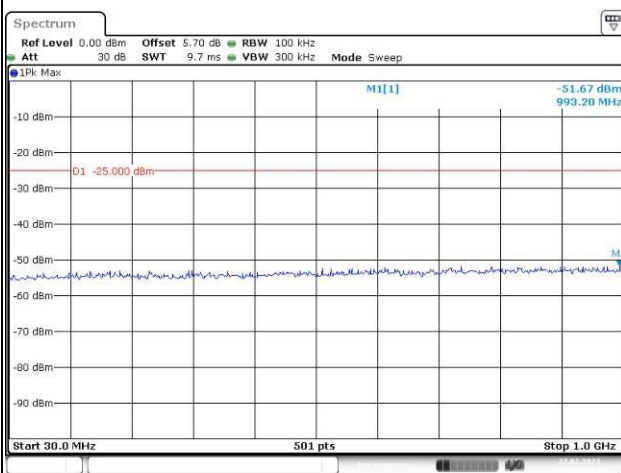
Lowest
for FCC



Middle



Highest



Spurious Emissions at Antenna Terminal:26.5-27GHz

Mode	5MHz Bandwidth QPSK	10MHz Bandwidth QPSK
Lowest for FCC	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -45.39 dBm 26.512660 GHz</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:16:21</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.25 dBm 26.552460 GHz</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:17:29</p>
Middle	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.03 dBm 26.510490 GHz</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:16:52</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.44 dBm 26.992400 GHz</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:17:39</p>
Highest	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.55 dBm 26.553160 GHz</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:17:06</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.02 dBm 26.505430 GHz</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:17:57</p>

Spurious Emissions at Antenna Terminal:26.5-27GHz

Mode	15MHz Bandwidth QPSK	20MHz Bandwidth QPSK
Lowest for FCC	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.10 dBm 26.543050 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:18:21</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.37 dBm 26.511220 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:19:09</p>
Middle	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.16 dBm 26.512660 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:18:38</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.02 dBm 26.514830 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:19:31</p>
Highest	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.35 dBm 26.526410 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:18:54</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 100 kHz Att 35 dB SWT 5 ms VBW 300 kHz Mode Sweep</p> <p>IPk Max M1[1] -46.76 dBm 26.675470 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 26.5 GHz 691 pts Stop 27.0 GHz</p> <p>Date: 30.MAR.2023 16:19:45</p>

Spurious Emissions at Antenna Terminal

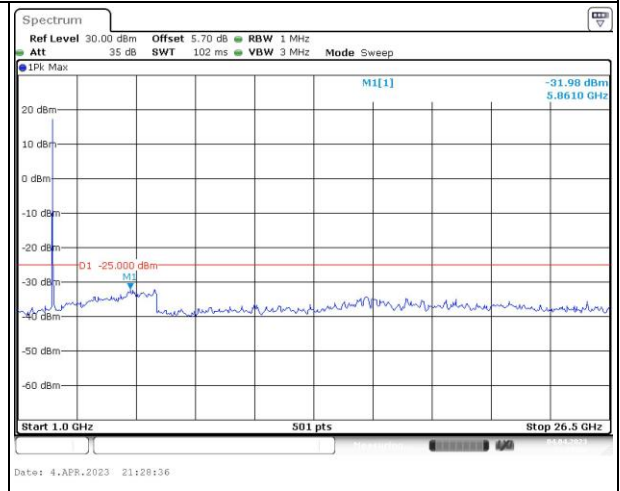
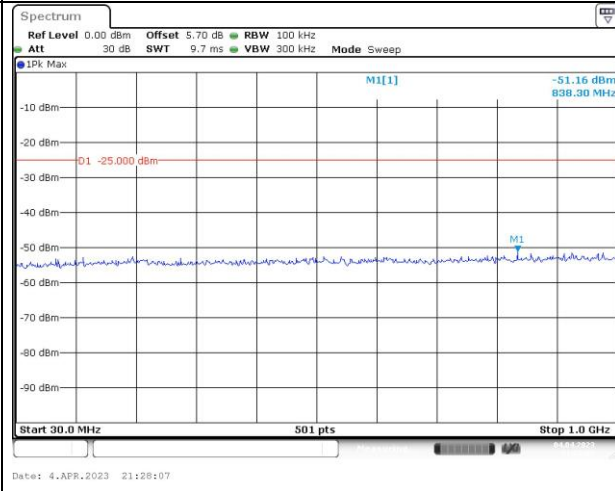
Channel	5MHz Bandwidth QPSK	
Lowest For RSS-199	<p>Ref Level 0.00 dBm Offset 5.70 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max MI[1] -51.77 dBm 791.90 MHz</p> <p>D1 -25.000 dBm</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 4.APR.2023 21:17:48</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 1 MHz Att 35 dB SWT 102 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max MI[1] -31.86 dBm 6.9300 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 1.0 GHz 501 pts Stop 26.5 GHz</p> <p>Date: 4.APR.2023 21:18:07</p>
	Channel	10MHz Bandwidth QPSK
Lowest For RSS-199	<p>Ref Level 0.00 dBm Offset 5.70 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max MI[1] -51.45 dBm 995.20 MHz</p> <p>D1 -25.000 dBm</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 4.APR.2023 21:21:12</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 1 MHz Att 35 dB SWT 102 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max MI[1] -32.69 dBm 6.9810 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 1.0 GHz 501 pts Stop 26.5 GHz</p> <p>Date: 4.APR.2023 21:21:34</p>
	Channel	15MHz Bandwidth QPSK
Lowest For RSS-199	<p>Ref Level 0.00 dBm Offset 5.70 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max MI[1] -51.67 dBm 880.90 MHz</p> <p>D1 -25.000 dBm</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 4.APR.2023 21:24:25</p>	<p>Ref Level 30.00 dBm Offset 5.70 dB RBW 1 MHz Att 35 dB SWT 102 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max MI[1] -32.30 dBm 6.9810 GHz</p> <p>D1 -25.000 dBm</p> <p>Start 1.0 GHz 501 pts Stop 26.5 GHz</p> <p>Date: 4.APR.2023 21:24:50</p>

Spurious Emissions at Antenna Terminal

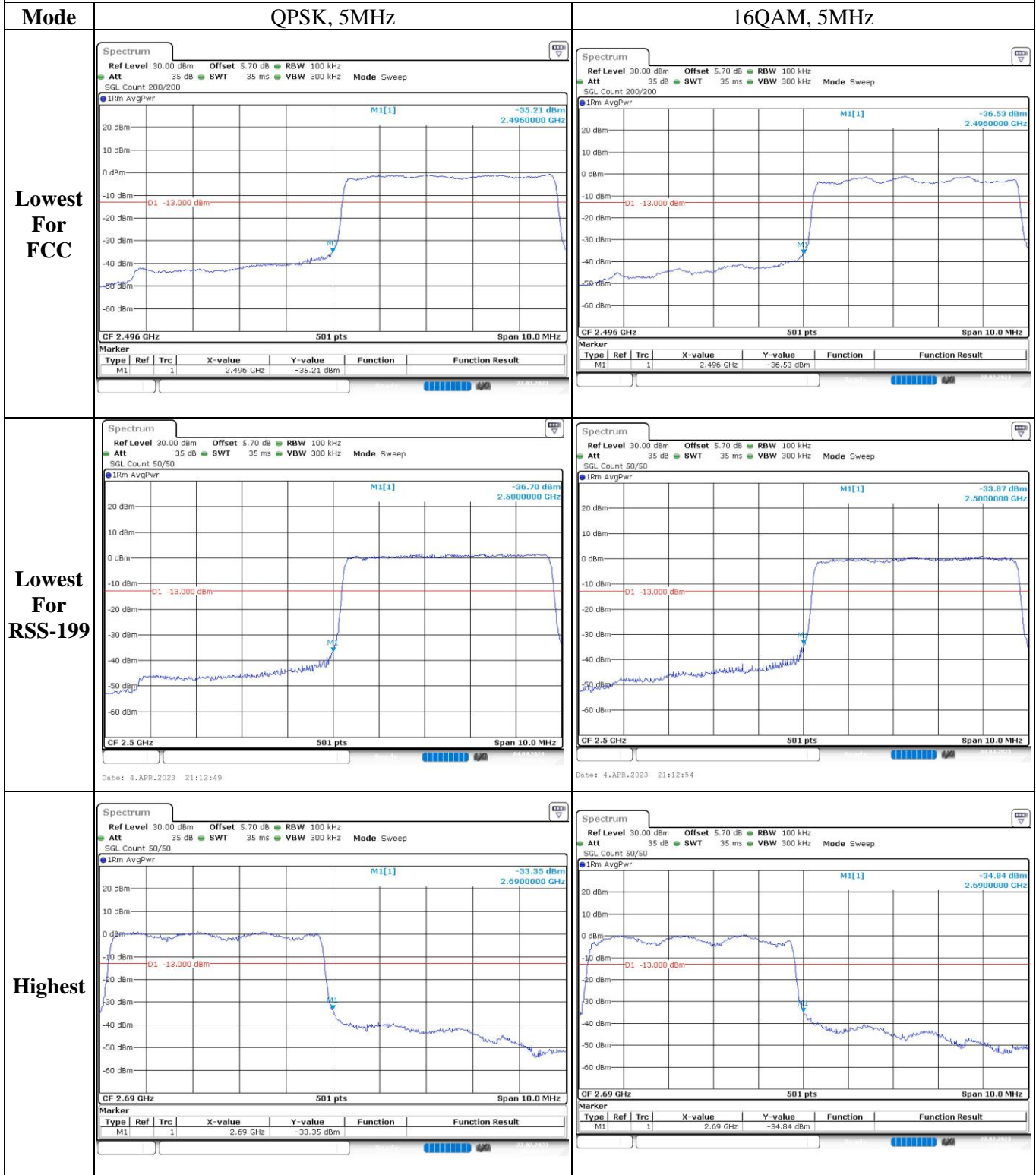
Channel

20MHz Bandwidth QPSK

Lowest
For
RSS-199



Out of band emission, Band Edge



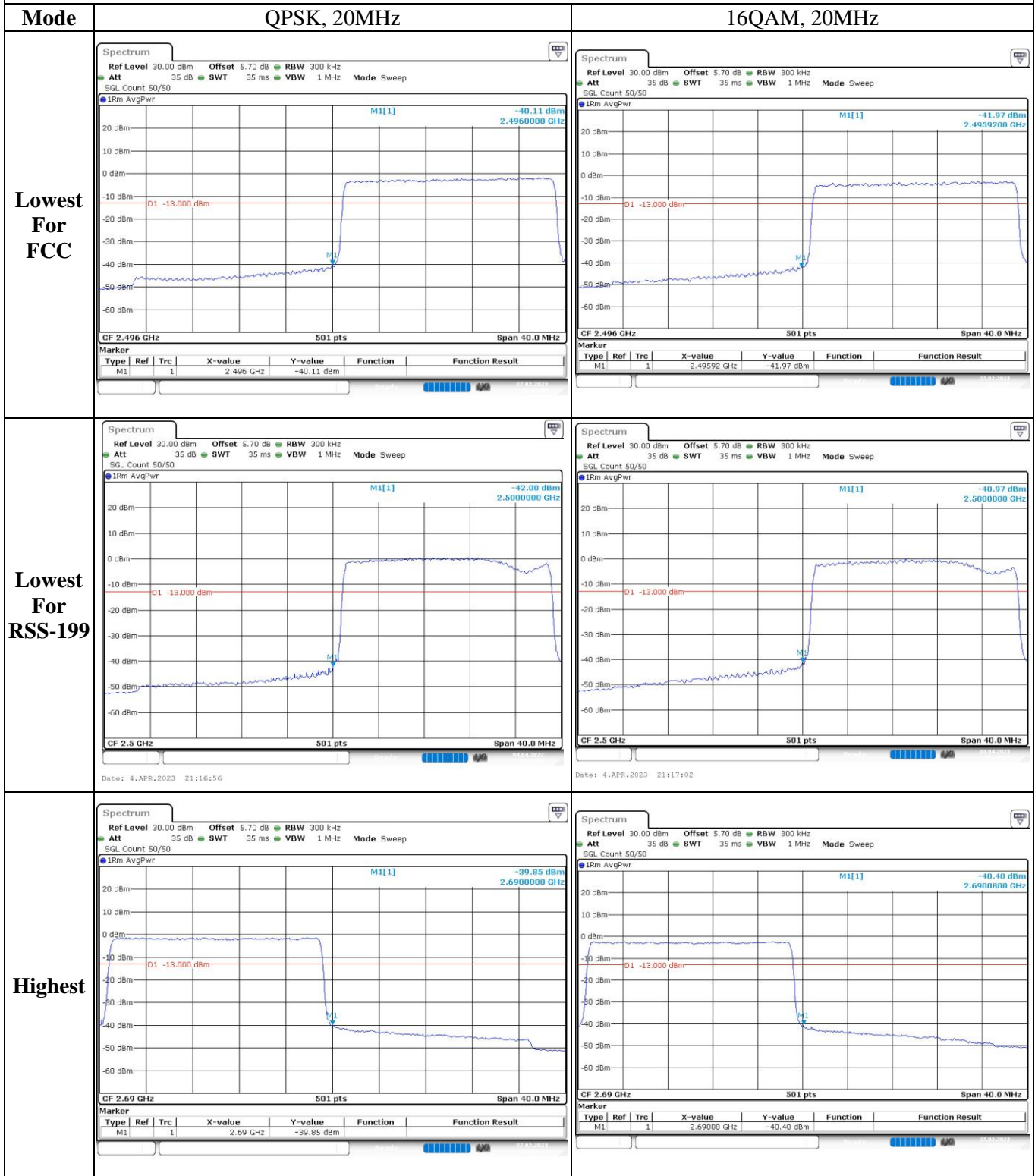
Out of band emission, Band Edge

Mode	QPSK, 10MHz	16QAM, 10MHz																												
Lowest For FCC	<p>CF 2.496 GHz 501 pts Span 20.0 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>2.496 GHz</td> <td>-42.44 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.496 GHz	-42.44 dBm			<p>CF 2.496 GHz 501 pts Span 20.0 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>2.496 GHz</td> <td>-42.57 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.496 GHz	-42.57 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1	1		2.496 GHz	-42.44 dBm																										
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1	1		2.496 GHz	-42.57 dBm																										
Lowest For RSS-199	<p>CF 2.5 GHz 501 pts Span 20.0 MHz</p> <p>Date: 4.APR.2023 21:14:07</p>	<p>CF 2.5 GHz 501 pts Span 20.0 MHz</p> <p>Date: 4.APR.2023 21:14:13</p>																												
Highest	<p>CF 2.69 GHz 501 pts Span 20.0 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>2.6908 GHz</td> <td>-40.67 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.6908 GHz	-40.67 dBm			<p>CF 2.69 GHz 501 pts Span 20.0 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>2.6916 GHz</td> <td>-41.97 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.6916 GHz	-41.97 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1	1		2.6908 GHz	-40.67 dBm																										
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1	1		2.6916 GHz	-41.97 dBm																										

Out of band emission, Band Edge

Mode	QPSK, 15MHz	16QAM, 15MHz																												
Lowest For FCC	<p>CF 2.496 GHz 501 pts Span 30.0 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></td> <td>1</td> <td>2.495641 GHz</td> <td>-36.41 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.495641 GHz	-36.41 dBm			<p>CF 2.496 GHz 501 pts Span 30.0 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></td> <td>1</td> <td>2.495701 GHz</td> <td>-39.13 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.495701 GHz	-39.13 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1		1	2.495641 GHz	-36.41 dBm																										
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1		1	2.495701 GHz	-39.13 dBm																										
Lowest For RSS-199	<p>CF 2.5 GHz 501 pts Span 30.0 MHz</p> <p>Date: 4.APR.2023 21:15:35</p>	<p>CF 2.5 GHz 501 pts Span 30.0 MHz</p> <p>Date: 4.APR.2023 21:15:41</p>																												
Highest	<p>CF 2.69 GHz 501 pts Span 30.0 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></td> <td>1</td> <td>2.69018 GHz</td> <td>-36.55 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.69018 GHz	-36.55 dBm			<p>CF 2.69 GHz 501 pts Span 30.0 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></td> <td>1</td> <td>2.69006 GHz</td> <td>-38.22 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.69006 GHz	-38.22 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1		1	2.69018 GHz	-36.55 dBm																										
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1		1	2.69006 GHz	-38.22 dBm																										

Out of band emission, Band Edge



4.10 Radiated Spurious Emissions

Serial Number:	2295	Test Date:	2023/03/09~2023/03/11
Test Site:	966-1/966-2	Test Mode:	Transmitting
Tester:	Vic Du, Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.4~25.4	Relative Humidity: (%)	42~50	ATM Pressure: (kPa)	101.8
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720- 300300	99G1448	2022/07/17	2023/07/16
Agilent	Signal Generator	E8247C	MY43321352	2022/04/01	2023/03/31
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200- 70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362- 300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720- 300300	99G1448	2022/07/17	2023/07/16
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021/02/05	2024/02/04
AH	Preamplifier	PAM-1840VH	190	2022/11/09	2023/11/08
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/02/05	2024/02/04
PASTERNAK	Horn Antenna	PE9850/2F-20	072002	2021/02/05	2024/02/04
MICRO-COAX	Coaxial Cable	UFB142A-1-2362- 200200	235772-001	2022/08/07	2023/08/06

** 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 Data:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X,Y, Z Axis according to C63.26 figure 5, the worst orientation was photographed and its data was recorded.

Cellular Band**30 MHz-10 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
44.43	H	30.08	-30.28	-20.55	0.12	-50.95	-13.00	37.95
64.34	V	41.12	-31.85	-8.00	0.14	-39.99	-13.00	26.99
1648.400	H	50.58	-53.75	8.68	0.80	-45.87	-13.00	32.87
1648.400	V	57.86	-46.55	8.68	0.80	-38.67	-13.00	25.67
2472.600	H	55.84	-44.94	9.38	1.00	-36.56	-13.00	23.56
2472.600	V	61.08	-39.65	9.38	1.00	-31.27	-13.00	18.27
3296.800	H	34.11	-62.57	10.32	1.15	-53.40	-13.00	40.40
3296.800	V	34.87	-61.57	10.32	1.15	-52.40	-13.00	39.40
GSM 850 Frequency:836.6MHz								
46.42	H	32.59	-30.97	-18.41	0.12	-49.50	-13.00	36.50
135.59	V	40.57	-35.39	0.00	0.22	-35.61	-13.00	22.61
1673.200	H	49.95	-54.36	8.71	0.85	-46.50	-13.00	33.50
1673.200	V	56.89	-47.52	8.71	0.85	-39.66	-13.00	26.66
2509.800	H	57.34	-43.27	9.42	1.01	-34.86	-13.00	21.86
2509.800	V	54.52	-46.10	9.42	1.01	-37.69	-13.00	24.69
3346.400	H	33.23	-63.94	10.34	1.16	-54.76	-13.00	41.76
3346.400	V	34.57	-62.46	10.34	1.16	-53.28	-13.00	40.28
GSM 850 Frequency:848.8MHz								
45.28	H	31.74	-29.97	-19.53	0.12	-49.62	-13.00	36.62
140.24	V	40.56	-35.89	0.00	0.22	-36.11	-13.00	23.11
1697.600	H	49.46	-54.83	8.74	0.90	-46.99	-13.00	33.99
1697.600	V	53.46	-50.96	8.74	0.90	-43.12	-13.00	30.12
2546.400	H	56.56	-43.77	9.47	1.01	-35.31	-13.00	22.31
2546.400	V	54.88	-45.40	9.47	1.01	-36.94	-13.00	23.94
3395.200	H	34.37	-63.32	10.36	1.19	-54.15	-13.00	41.15
3395.200	V	34.26	-63.40	10.36	1.19	-54.23	-13.00	41.23

PCS Band

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
523.91	H	44.25	-62.12	0.00	0.42	-62.54	-13.00	49.54
653.78	V	50.12	-52.28	0.00	0.52	-52.80	-13.00	39.80
3700.400	H	43.57	-53.75	10.60	1.25	-44.40	-13.00	31.40
3700.400	V	39.34	-57.96	10.60	1.25	-48.61	-13.00	35.61
5550.600	H	40.84	-52.42	11.44	1.49	-42.47	-13.00	29.47
5550.600	V	35.24	-57.86	11.44	1.49	-47.91	-13.00	34.91
GSM 1900 Frequency:1880MHz								
546.31	H	43.87	-62.04	0.00	0.47	-62.51	-13.00	49.51
648.73	V	51.47	-51.06	0.00	0.52	-51.58	-13.00	38.58
3760.000	H	43.63	-52.78	10.66	1.24	-43.36	-13.00	30.36
3760.000	V	38.84	-57.45	10.66	1.24	-48.03	-13.00	35.03
5640.000	H	40.16	-53.29	11.33	1.54	-43.50	-13.00	30.50
5640.000	V	38.20	-55.13	11.33	1.54	-45.34	-13.00	32.34
GSM 1900 Frequency:1909.8MHz								
622.98	H	40.58	-64.18	0.00	0.48	-64.66	-13.00	51.66
489.31	V	49.53	-53.54	0.00	0.44	-53.98	-13.00	40.98
3819.600	H	36.93	-58.93	10.72	1.29	-49.50	-13.00	36.50
3819.600	V	40.65	-55.07	10.72	1.29	-45.64	-13.00	32.64
5729.400	H	34.13	-59.35	11.22	1.59	-49.72	-13.00	36.72
5729.400	V	42.60	-50.76	11.22	1.59	-41.13	-13.00	28.13

WCDMA Band 2:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
184.84	H	38.57	-74.02	0.00	0.25	-74.27	-13.00	61.27
347.21	V	39.28	-68.30	0.00	0.37	-68.67	-13.00	55.67
3704.800	H	33.45	-63.81	10.60	1.25	-54.46	-13.00	41.46
3704.800	V	34.16	-63.07	10.60	1.25	-53.72	-13.00	40.72
5557.200	H	34.07	-59.21	11.43	1.49	-49.27	-13.00	36.27
5557.200	V	33.38	-59.75	11.43	1.49	-49.81	-13.00	36.81
WCDMA Band II, Frequency:1880 MHz								
205.86	H	37.56	-75.21	0.00	0.26	-75.47	-13.00	62.47
330.02	V	39.24	-68.79	0.00	0.34	-69.13	-13.00	56.13
3760.000	H	35.12	-61.29	10.66	1.24	-51.87	-13.00	38.87
3760.000	V	34.21	-62.08	10.66	1.24	-52.66	-13.00	39.66
5640.000	H	34.05	-59.40	11.33	1.54	-49.61	-13.00	36.61
5640.000	V	35.11	-58.22	11.33	1.54	-48.43	-13.00	35.43
WCDMA Band II, Frequency:1907.6MHz								
219.23	H	38.51	-74.00	0.00	0.27	-74.27	-13.00	61.27
392.10	V	40.07	-66.35	0.00	0.38	-66.73	-13.00	53.73
3815.200	H	34.02	-61.83	10.72	1.29	-52.40	-13.00	39.40
3815.200	V	33.78	-61.91	10.72	1.29	-52.48	-13.00	39.48
5722.800	H	35.13	-58.36	11.23	1.58	-48.71	-13.00	35.71
5722.800	V	34.03	-59.32	11.23	1.58	-49.67	-13.00	36.67

WCDMA Band 5:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
207.77	H	18.65	-62.62	0.00	0.26	-62.88	-13.00	49.88
340.52	V	19.03	-57.72	0.00	0.36	-58.08	-13.00	45.08
1652.800	H	36.45	-67.88	8.68	0.81	-60.01	-13.00	47.01
1652.800	V	41.48	-62.93	8.68	0.81	-55.06	-13.00	42.06
2479.200	H	52.89	-47.87	9.39	1.01	-39.49	-13.00	26.49
2479.200	V	44.46	-56.27	9.39	1.01	-47.89	-13.00	34.89
3305.600	H	33.44	-63.29	10.32	1.15	-54.12	-13.00	41.12
3305.600	V	34.04	-62.46	10.32	1.15	-53.29	-13.00	40.29
WCDMA Band 5 Frequency:836.6MHz								
266.03	H	17.28	-63.05	0.00	0.31	-63.36	-13.00	50.36
347.21	V	20.05	-56.56	0.00	0.37	-56.93	-13.00	43.93
1673.200	H	34.74	-69.57	8.71	0.85	-61.71	-13.00	48.71
1673.200	V	38.82	-65.59	8.71	0.85	-57.73	-13.00	44.73
2509.800	H	46.45	-54.16	9.42	1.01	-45.75	-13.00	32.75
2509.800	V	47.58	-53.04	9.42	1.01	-44.63	-13.00	31.63
3346.400	H	33.61	-63.56	10.34	1.16	-54.38	-13.00	41.38
3346.400	V	34.15	-62.88	10.34	1.16	-53.70	-13.00	40.70
WCDMA Band 5 Frequency:846.6MHz								
244.06	H	18.97	-61.87	0.00	0.30	-62.17	-13.00	49.17
402.60	V	19.63	-55.82	0.00	0.41	-56.23	-13.00	43.23
1693.200	H	35.17	-69.13	8.73	0.89	-61.29	-13.00	48.29
1693.200	V	34.04	-70.38	8.73	0.89	-62.54	-13.00	49.54
2539.800	H	48.12	-52.26	9.46	1.01	-43.81	-13.00	30.81
2539.800	V	49.65	-50.69	9.46	1.01	-42.24	-13.00	29.24
3386.400	H	34.23	-63.36	10.35	1.18	-54.19	-13.00	41.19
3386.400	V	33.77	-63.77	10.35	1.18	-54.60	-13.00	41.60

LTE Bands:

(The Worst modulation and bandwidth was below)

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency:1850.7 MHz								
293.73	H	38.54	-72.33	0.00	0.33	-72.66	-13.00	59.66
142.83	V	40.65	-67.39	0.00	0.22	-67.61	-13.00	54.61
3701.400	H	37.78	-59.53	10.60	1.25	-50.18	-13.00	37.18
3701.400	V	36.59	-60.70	10.60	1.25	-51.35	-13.00	38.35
5552.100	H	38.45	-54.82	11.44	1.49	-44.87	-13.00	31.87
5552.100	V	40.02	-53.08	11.44	1.49	-43.13	-13.00	30.13
QPSK, 1.4MHz, Frequency:1880 MHz								
321.42	H	39.56	-70.84	0.00	0.34	-71.18	-13.00	58.18
160.97	V	41.27	-67.15	0.00	0.24	-67.39	-13.00	54.39
3760.000	H	39.72	-56.69	10.66	1.24	-47.27	-13.00	34.27
3760.000	V	37.55	-58.74	10.66	1.24	-49.32	-13.00	36.32
5640.000	H	38.23	-55.22	11.33	1.54	-45.43	-13.00	32.43
5640.000	V	39.17	-54.16	11.33	1.54	-44.37	-13.00	31.37
QPSK, 1.4MHz, Frequency:1909.3 MHz								
339.57	H	38.53	-71.59	0.00	0.36	-71.95	-13.00	58.95
123.73	V	40.67	-65.48	0.00	0.21	-65.69	-13.00	52.69
3818.600	H	38.65	-57.21	10.72	1.29	-47.78	-13.00	34.78
3818.600	V	39.33	-56.38	10.72	1.29	-46.95	-13.00	33.95
5727.900	H	39.78	-53.70	11.23	1.59	-44.06	-13.00	31.06
5727.900	V	40.27	-53.09	11.23	1.59	-43.45	-13.00	30.45