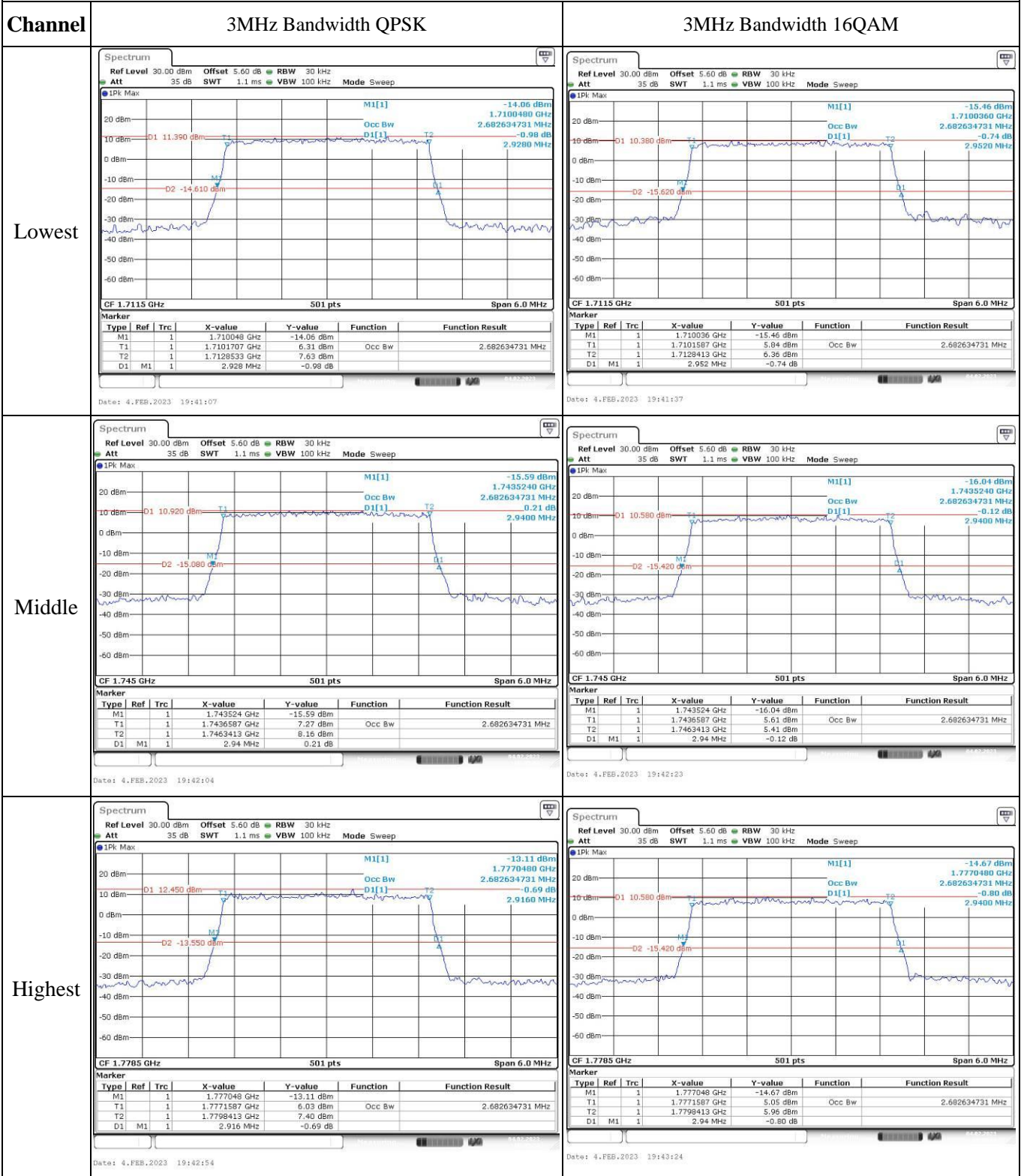


Occupied Bandwidth



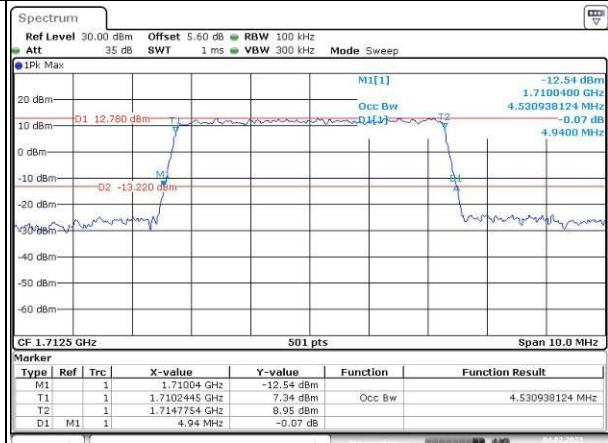
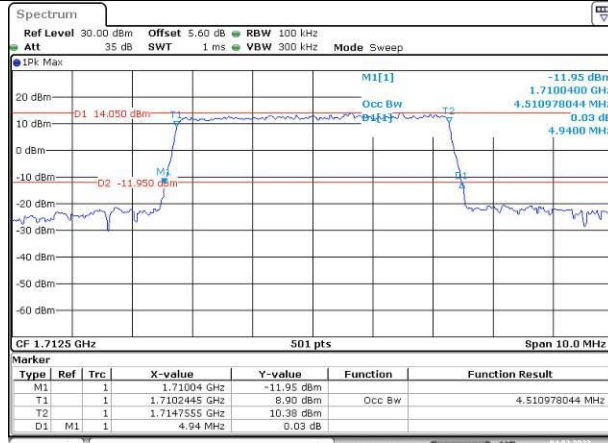
Occupied Bandwidth

Channel

5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

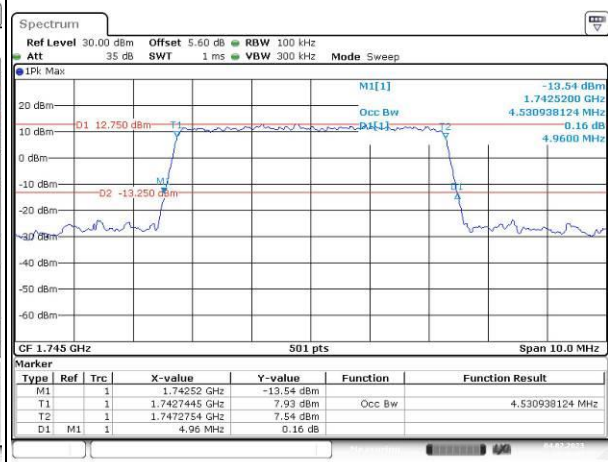
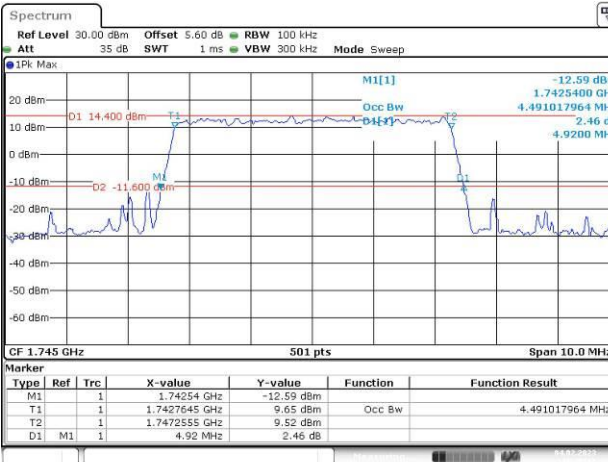
Lowest



Date: 4.FEB.2023 19:44:53

Date: 4.FEB.2023 19:45:35

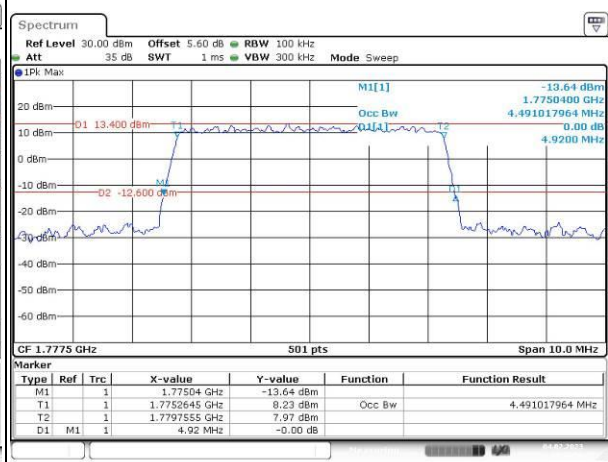
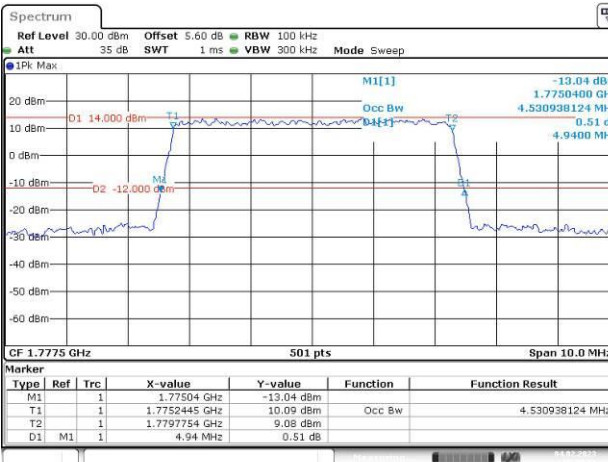
Middle



Date: 4.FEB.2023 19:46:11

Date: 4.FEB.2023 19:46:45

Highest



Date: 4.FEB.2023 19:47:21

Date: 4.FEB.2023 19:47:52

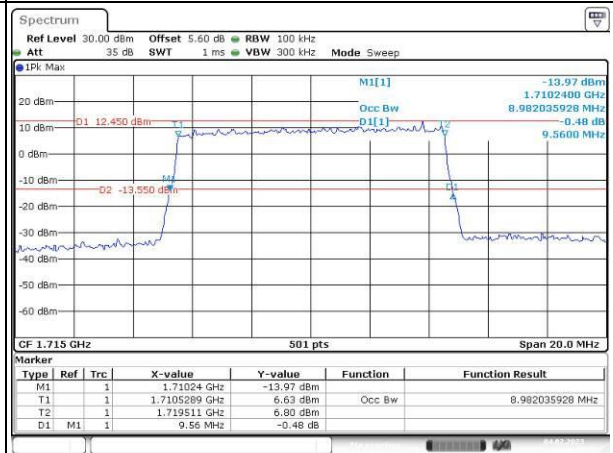
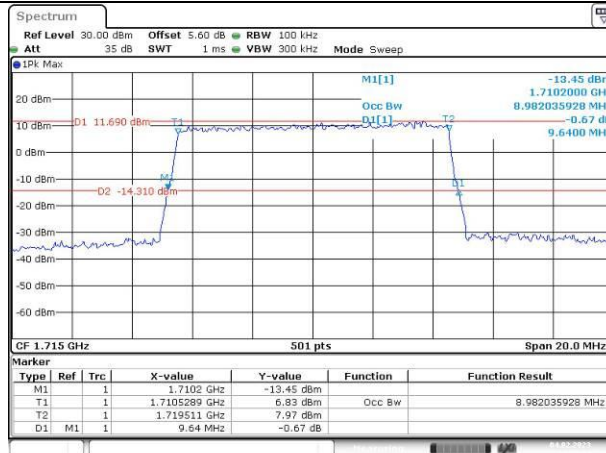
Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

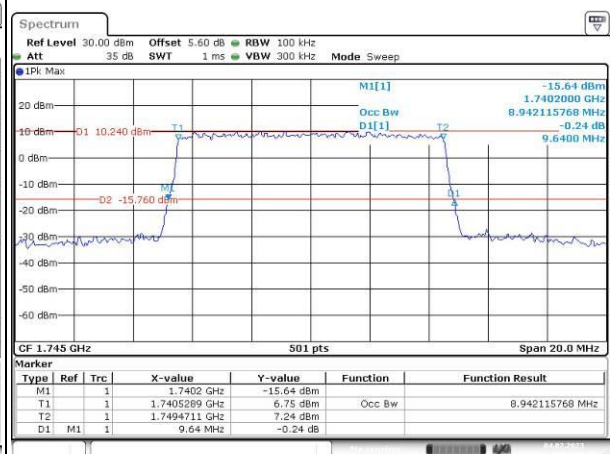
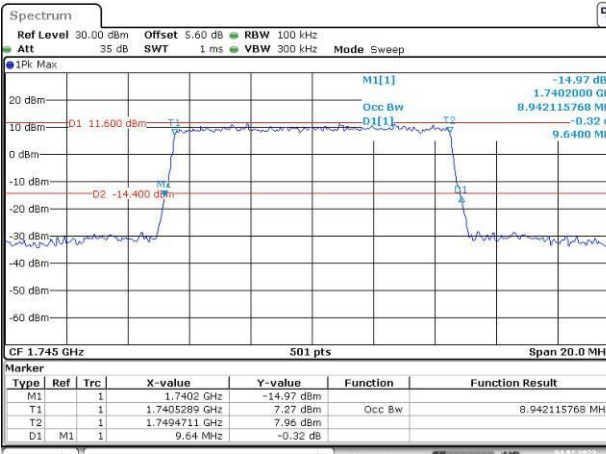
Lowest



Date: 4.FEB.2023 19:50:04

Date: 4.FEB.2023 19:50:35

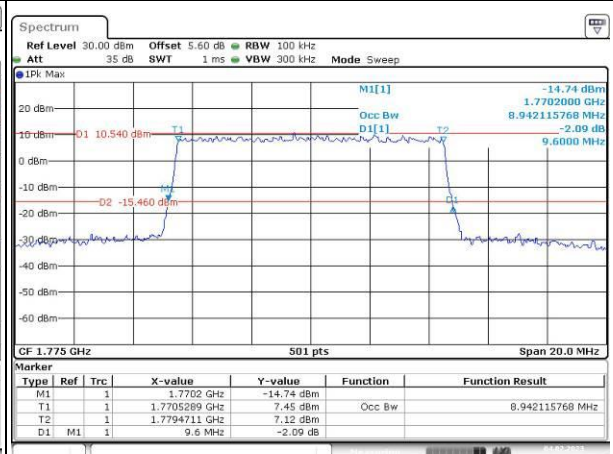
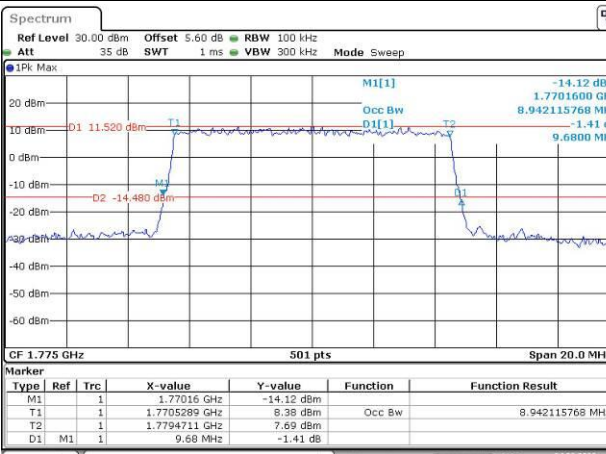
Middle



Date: 4.FEB.2023 19:51:11

Date: 4.FEB.2023 19:51:33

Highest



Date: 4.FEB.2023 19:52:29

Date: 4.FEB.2023 19:52:57

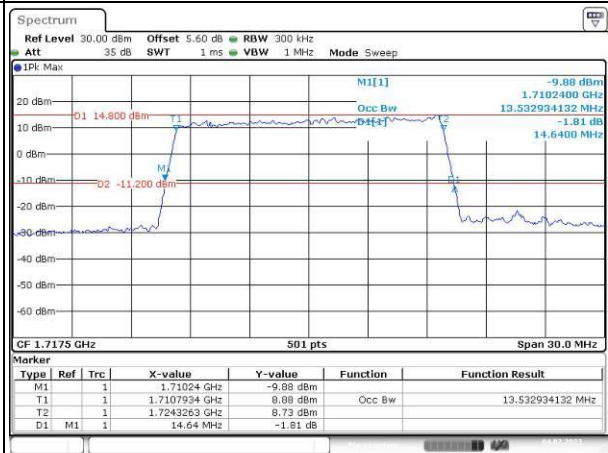
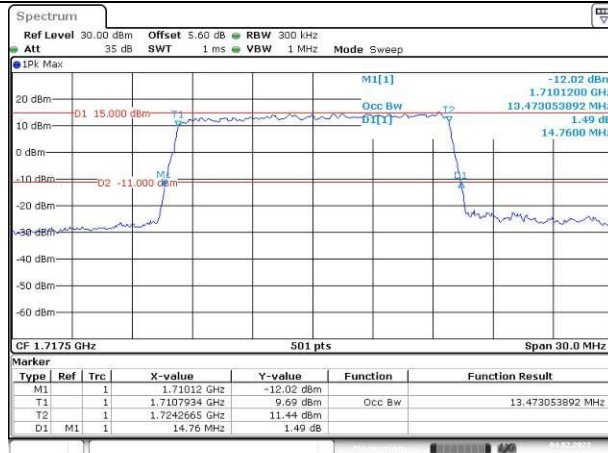
Occupied Bandwidth

Channel

15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

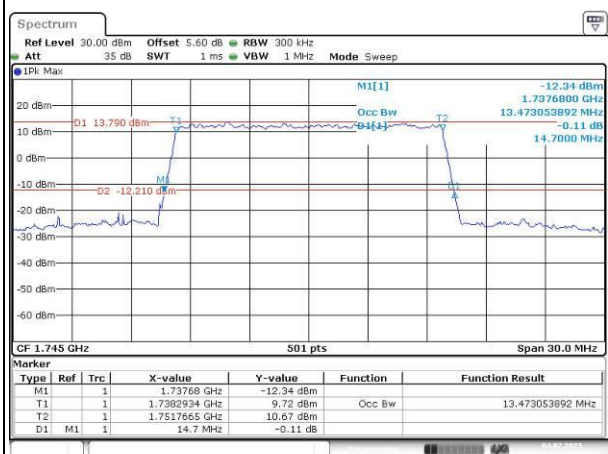
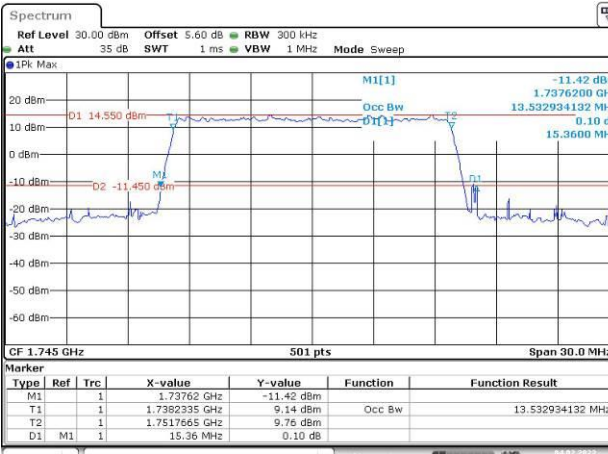
Lowest



Date: 4.FEB.2023 19:54:50

Date: 4.FEB.2023 19:55:24

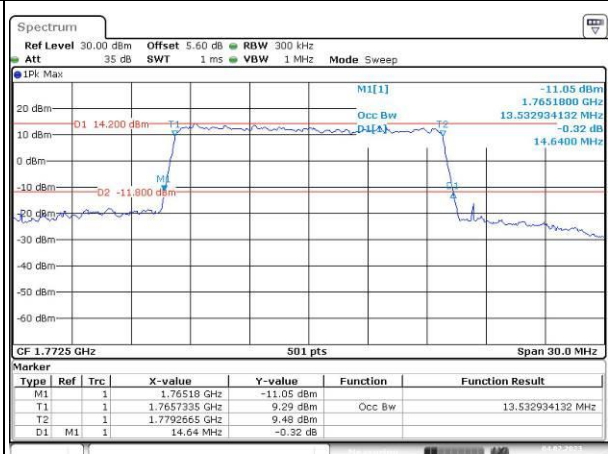
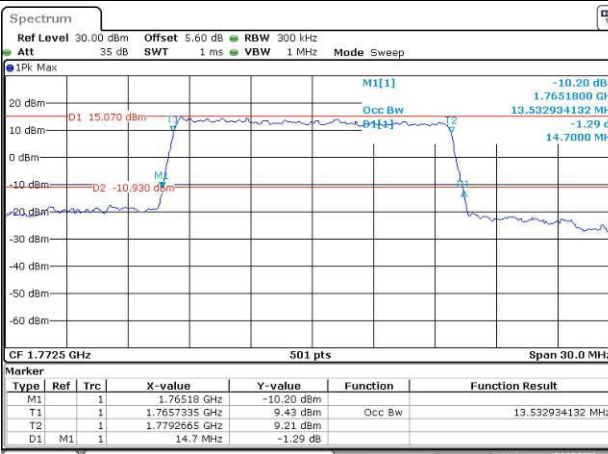
Middle



Date: 4.FEB.2023 19:56:06

Date: 4.FEB.2023 19:56:41

Highest



Date: 4.FEB.2023 19:57:12

Date: 4.FEB.2023 19:57:46

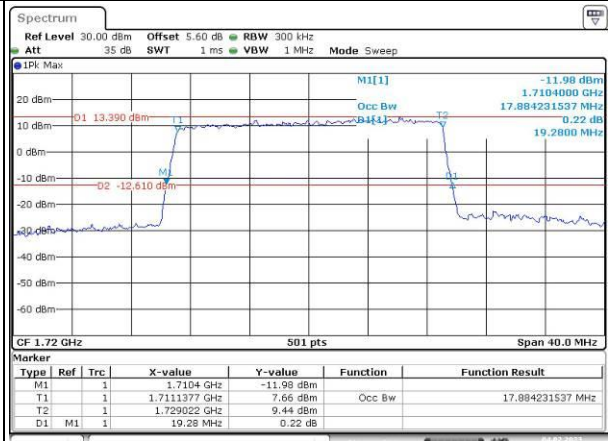
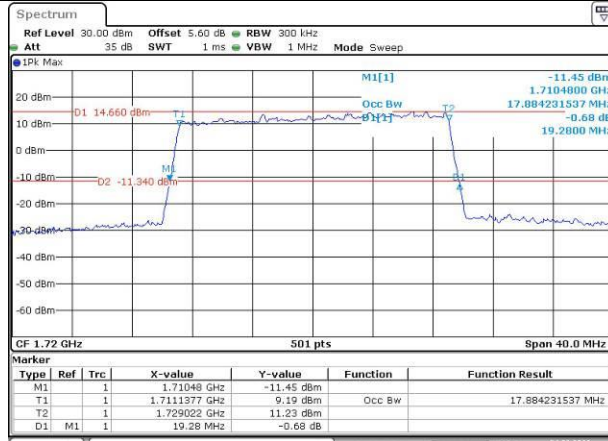
Occupied Bandwidth

Channel

20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

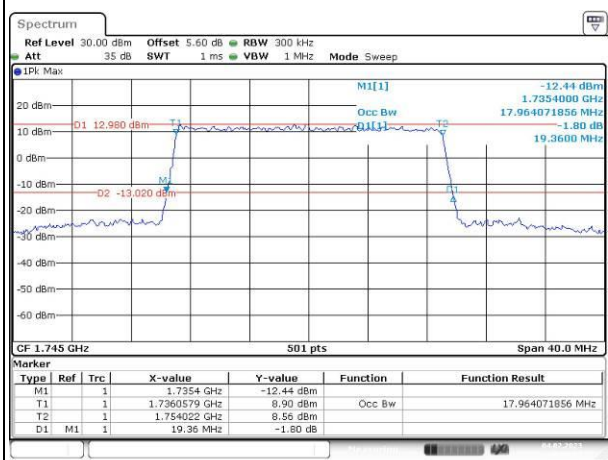
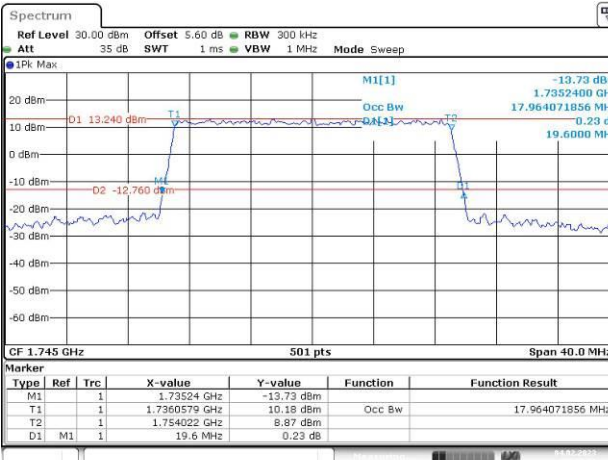
Lowest



Date: 4.FEB.2023 19:59:14

Date: 4.FEB.2023 19:59:45

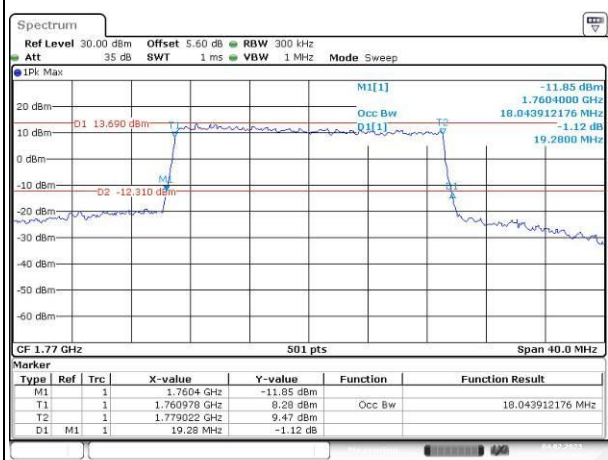
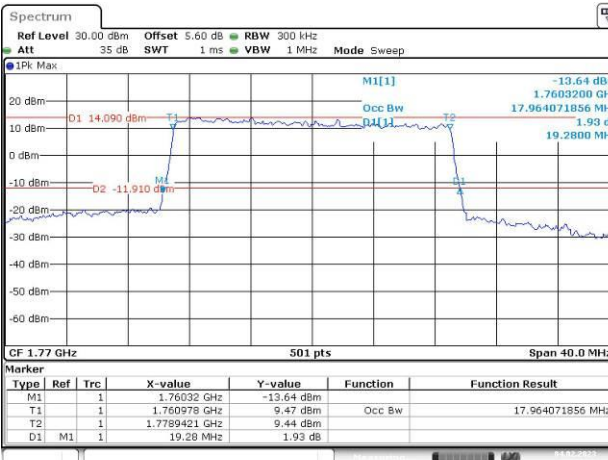
Middle



Date: 4.FEB.2023 20:00:21

Date: 4.FEB.2023 20:00:55

Highest



Date: 4.FEB.2023 20:01:31

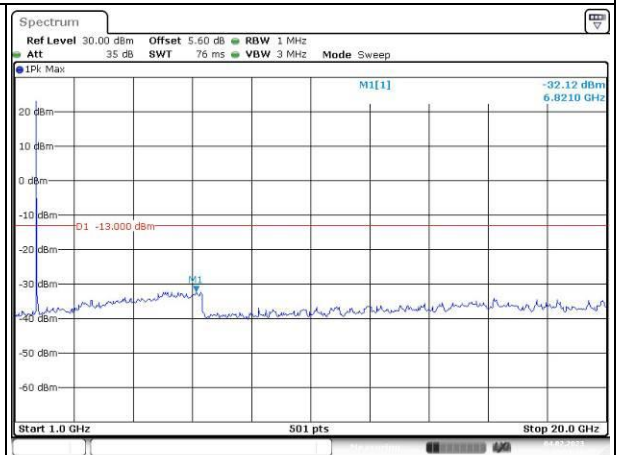
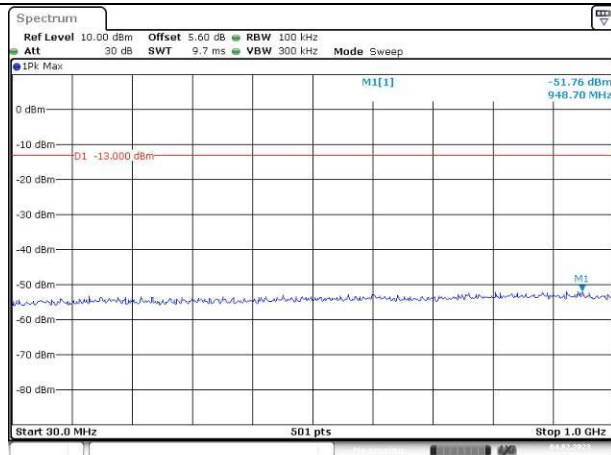
Date: 4.FEB.2023 20:02:02

Spurious Emissions at Antenna Terminal

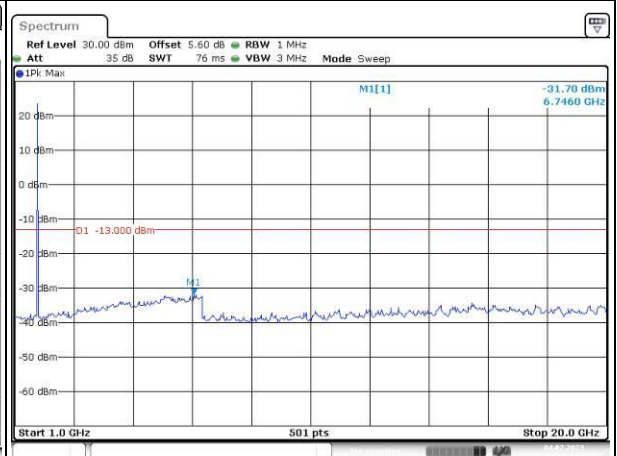
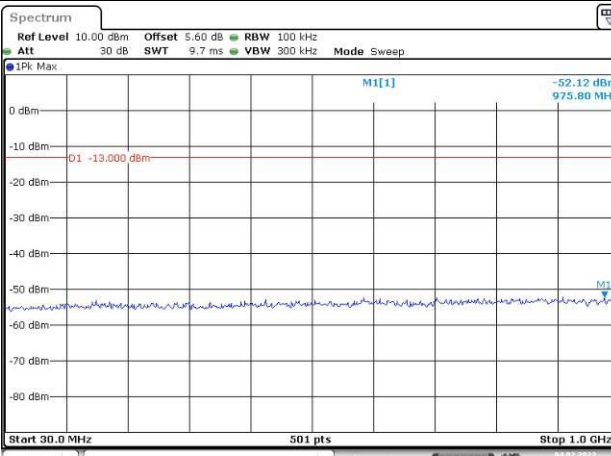
Channel

1.4MHz Bandwidth QPSK

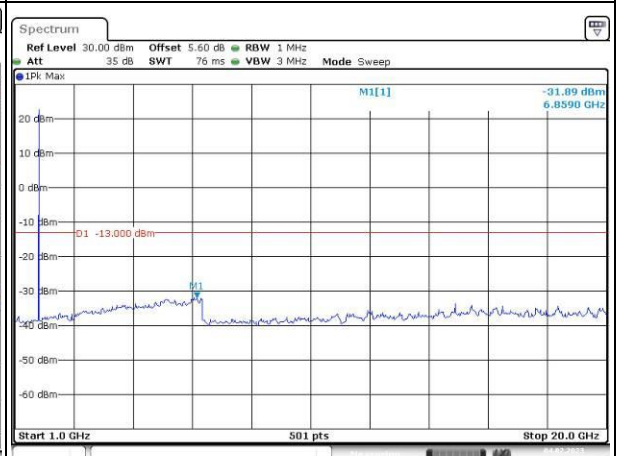
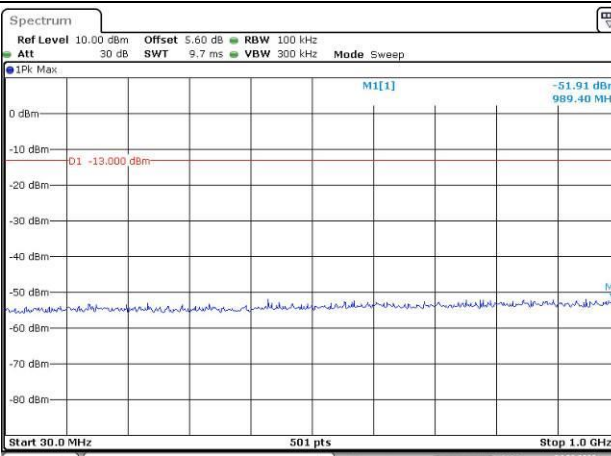
Lowest



Middle



Highest

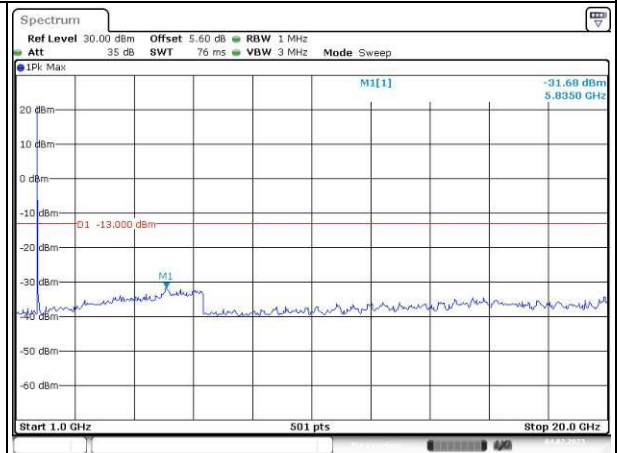
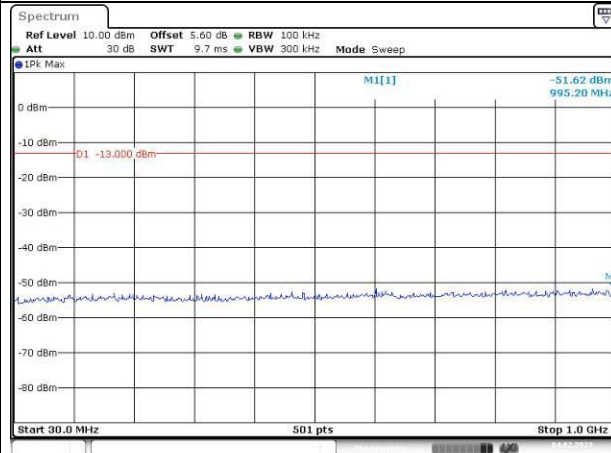


Spurious Emissions at Antenna Terminal

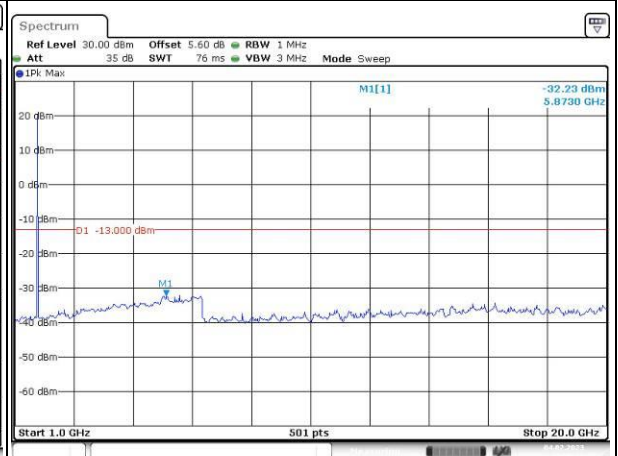
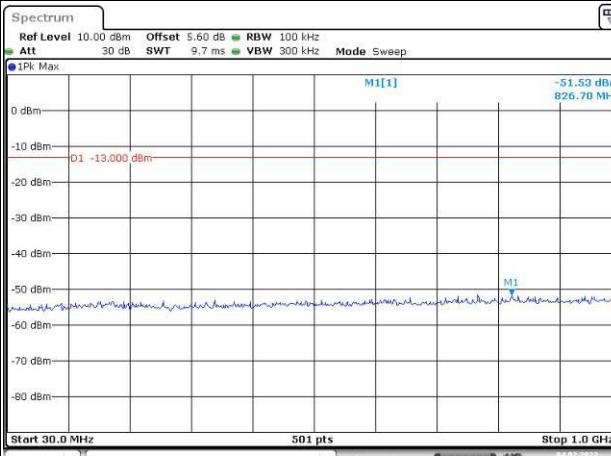
Channel

3MHz Bandwidth QPSK

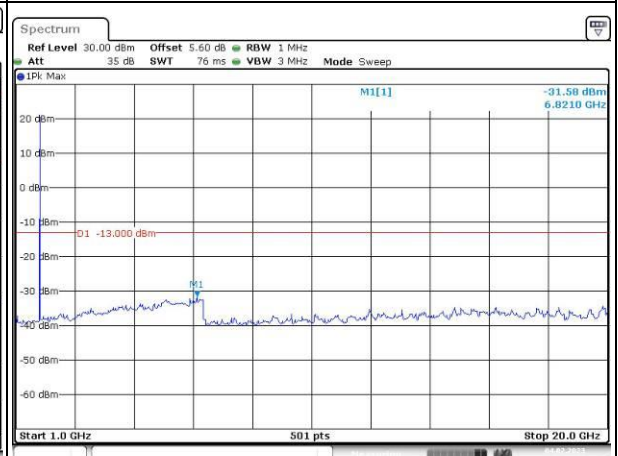
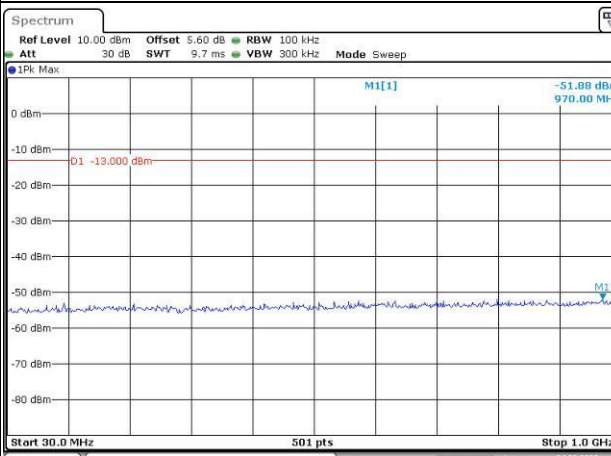
Lowest



Middle



Highest

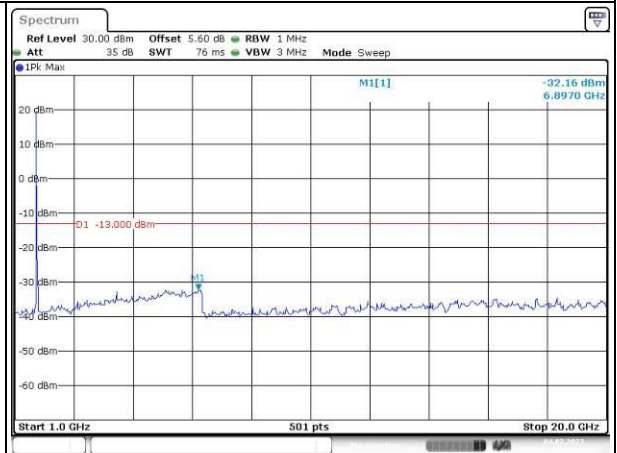
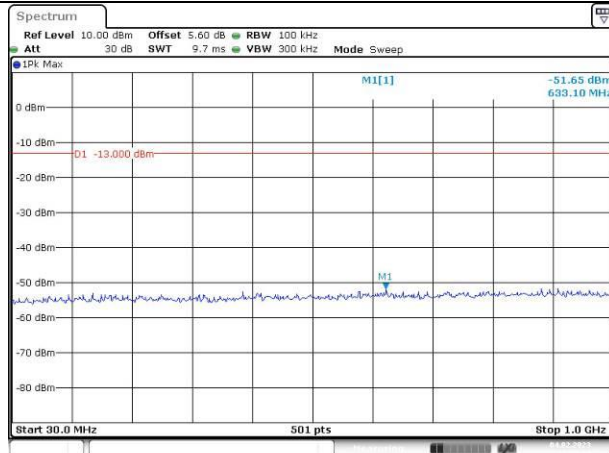


Spurious Emissions at Antenna Terminal

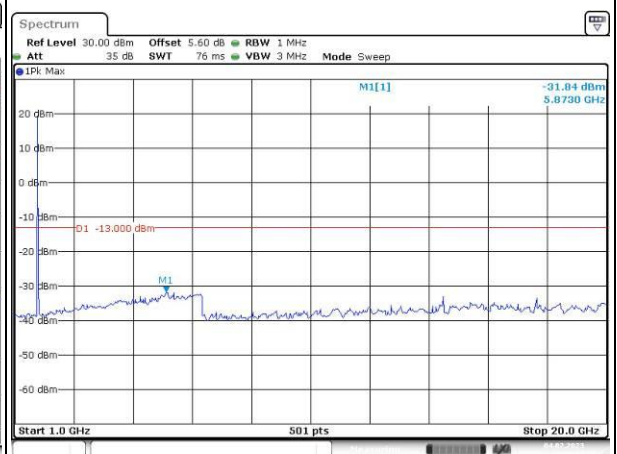
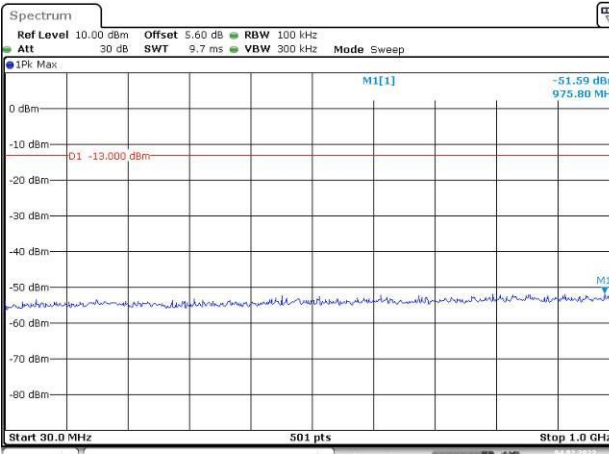
Channel

5MHz Bandwidth QPSK

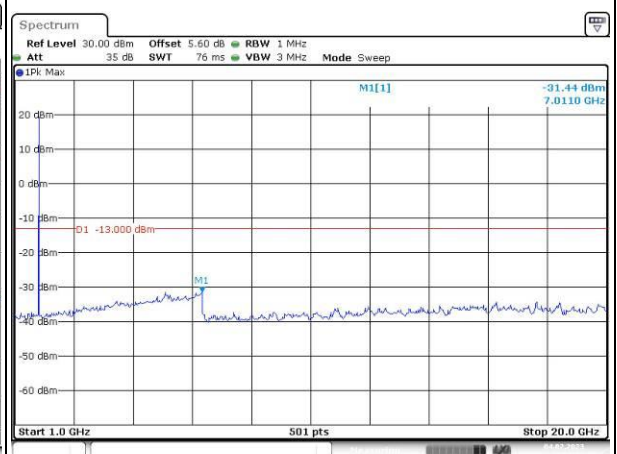
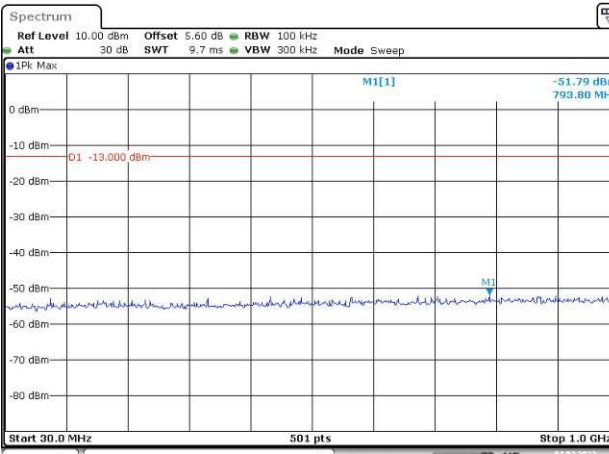
Lowest



Middle



Highest

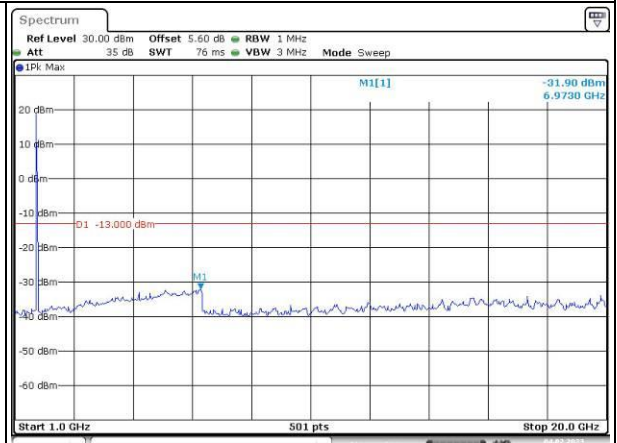
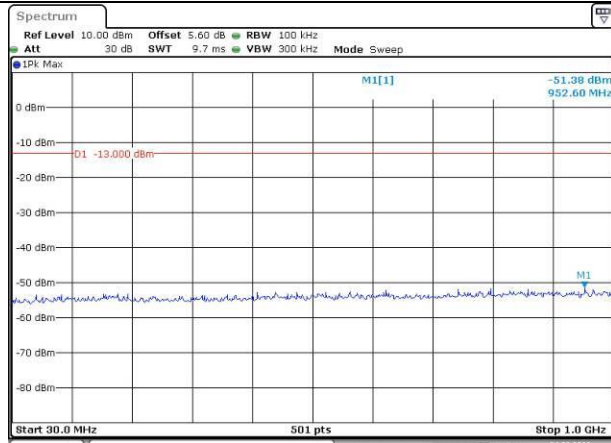


Spurious Emissions at Antenna Terminal

Channel

10MHz Bandwidth QPSK

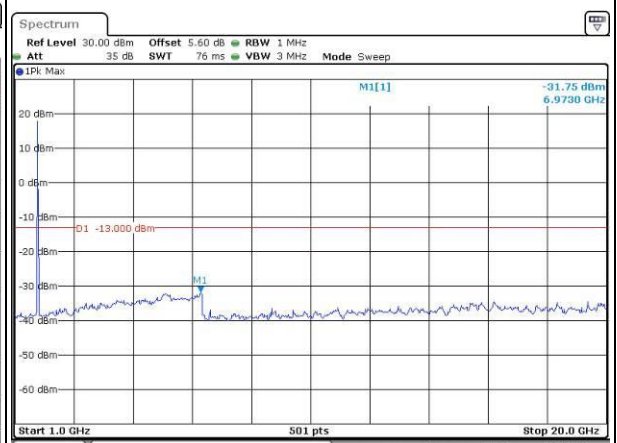
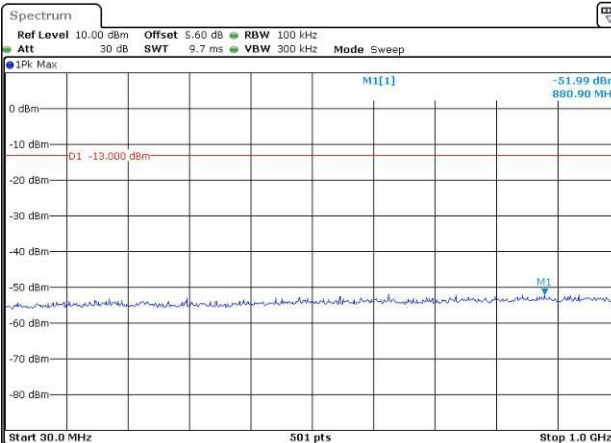
Lowest



Date: 4.FEB.2023 16:03:05

Date: 4.FEB.2023 16:03:34

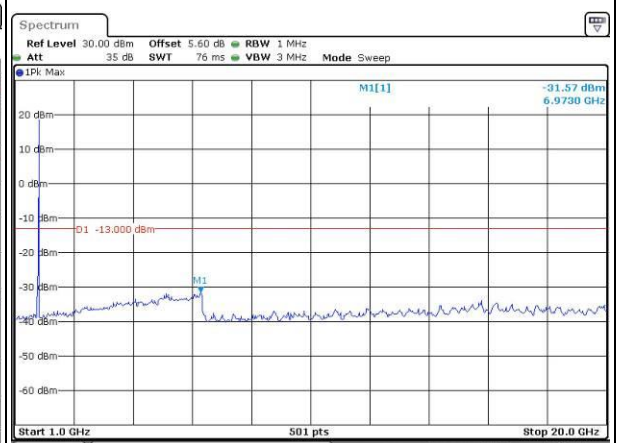
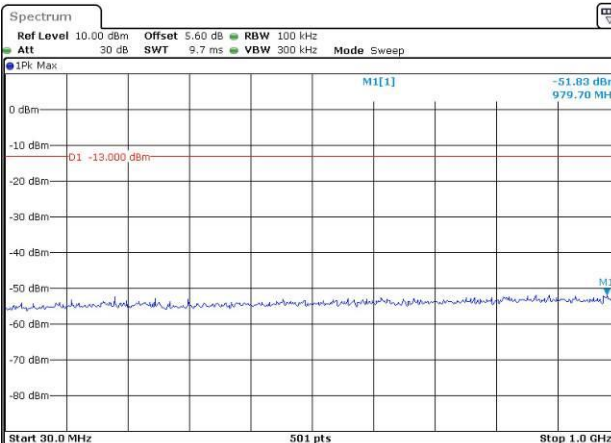
Middle



Date: 4.FEB.2023 16:04:07

Date: 4.FEB.2023 16:04:36

Highest



Date: 4.FEB.2023 16:05:10

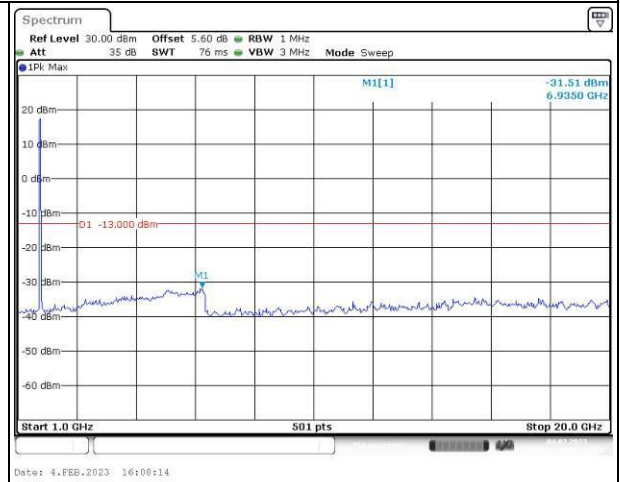
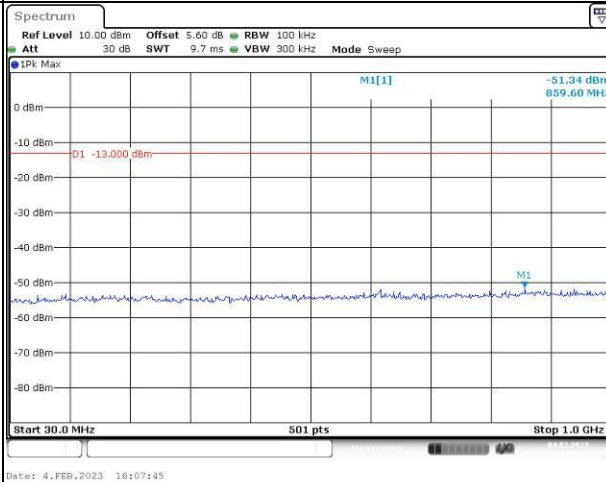
Date: 4.FEB.2023 16:05:32

Spurious Emissions at Antenna Terminal

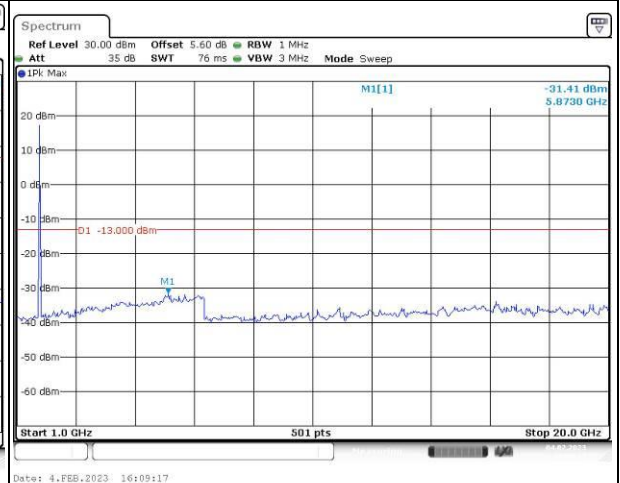
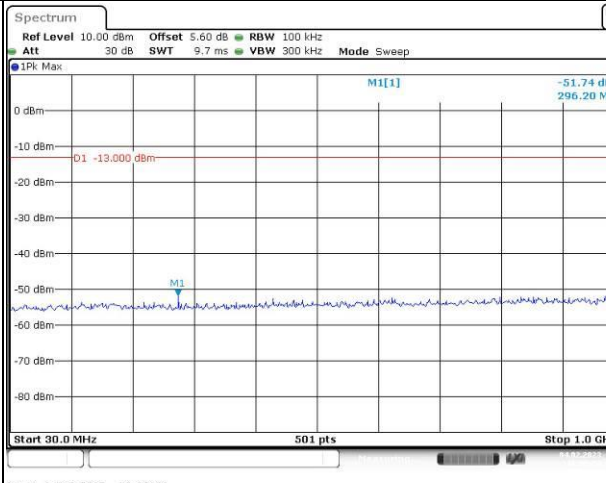
Channel

15MHz Bandwidth QPSK

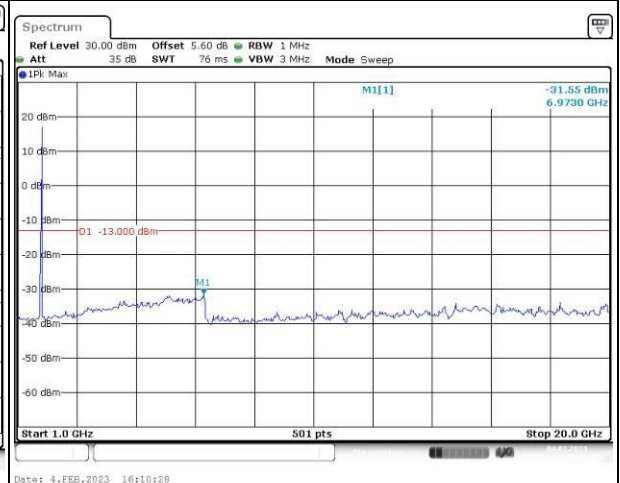
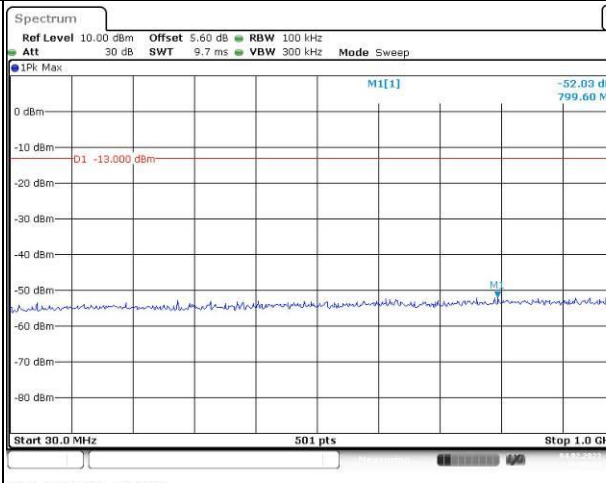
Lowest



Middle



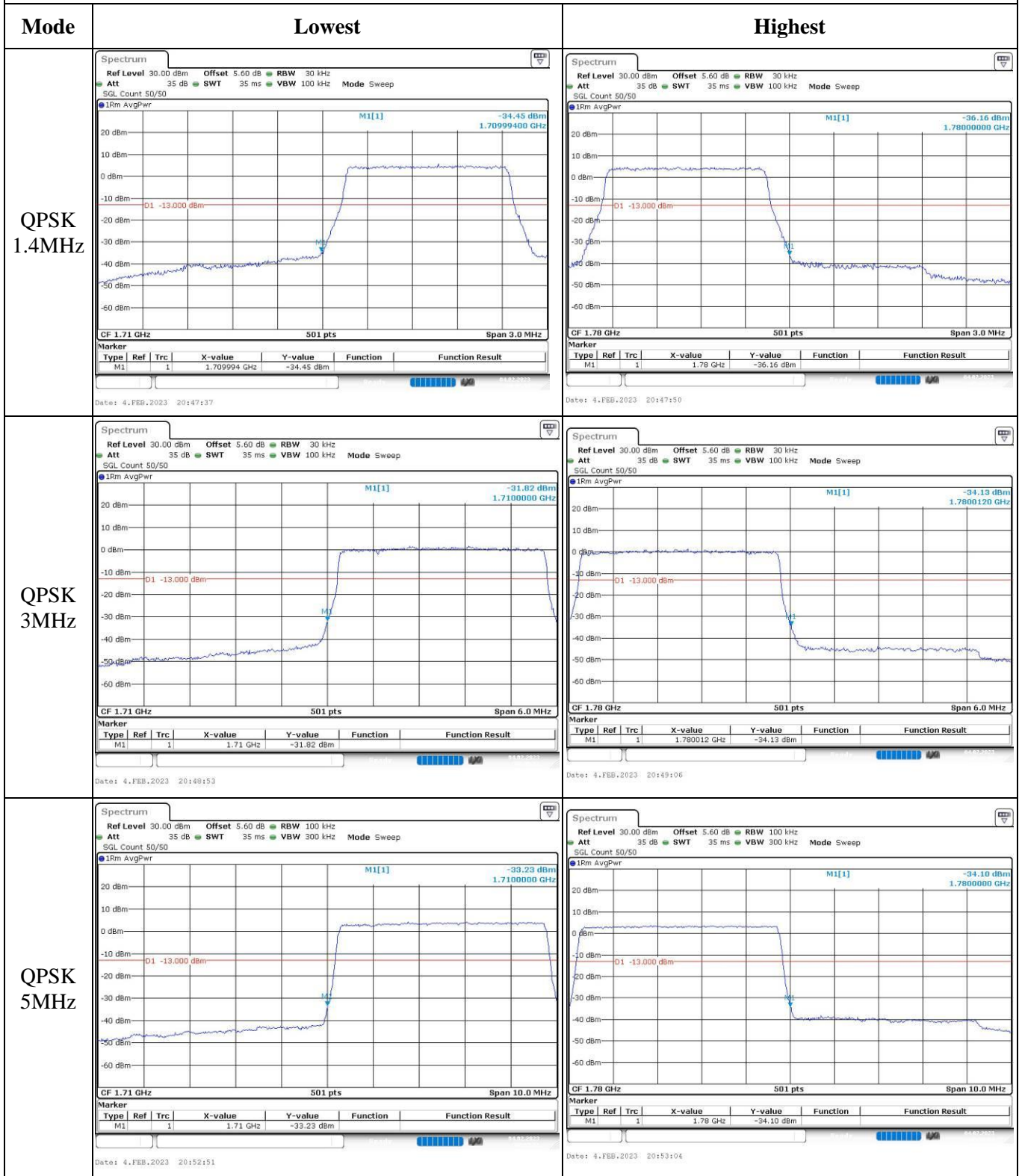
Highest



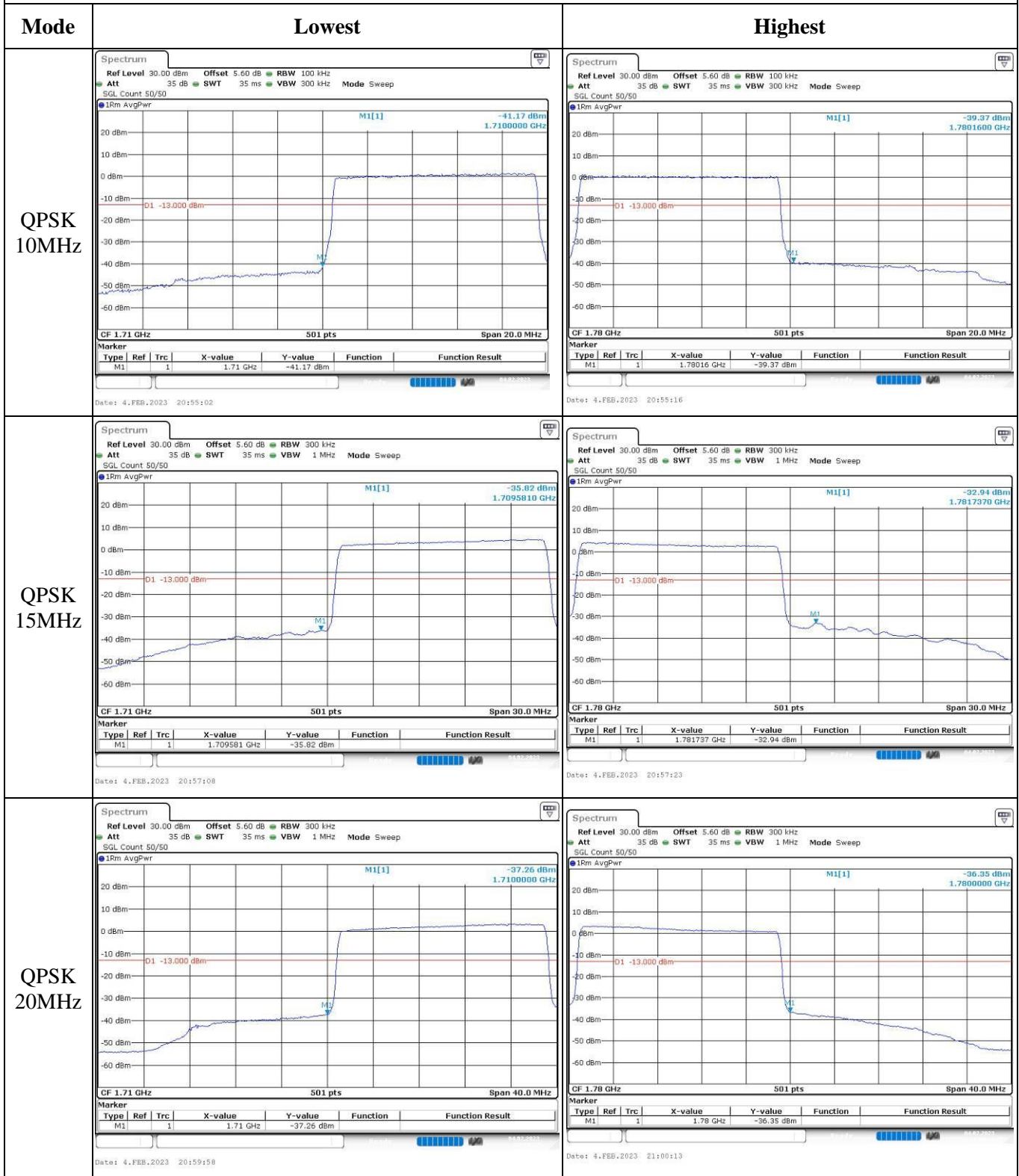
Spurious Emissions at Antenna Terminal

Channel	20MHz Bandwidth QPSK	
Lowest	<p>Ref Level 10.00 dBm Offset 5.60 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max MI[1] -51.24 dBm 877.10 MHz</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 4.FEB.2023 16:11:58</p>	<p>Ref Level 30.00 dBm Offset 5.60 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max MI[1] -31.45 dBm 6.9730 GHz</p> <p>Start 1.0 GHz 501 pts Stop 20.0 GHz</p> <p>Date: 4.FEB.2023 16:12:31</p>
	<p>Ref Level 10.00 dBm Offset 5.60 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max MI[1] -51.83 dBm 911.90 MHz</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 4.FEB.2023 16:13:05</p>	<p>Ref Level 30.00 dBm Offset 5.60 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max MI[1] -32.08 dBm 6.9730 GHz</p> <p>Start 1.0 GHz 501 pts Stop 20.0 GHz</p> <p>Date: 4.FEB.2023 16:13:31</p>
Highest	<p>Ref Level 10.00 dBm Offset 5.60 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep</p> <p>IPK Max MI[1] -51.80 dBm 964.20 MHz</p> <p>Start 30.0 MHz 501 pts Stop 1.0 GHz</p> <p>Date: 4.FEB.2023 16:14:04</p>	<p>Ref Level 30.00 dBm Offset 5.60 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep</p> <p>IPK Max MI[1] -31.08 dBm 6.8210 GHz</p> <p>Start 1.0 GHz 501 pts Stop 20.0 GHz</p> <p>Date: 4.FEB.2023 16:14:30</p>

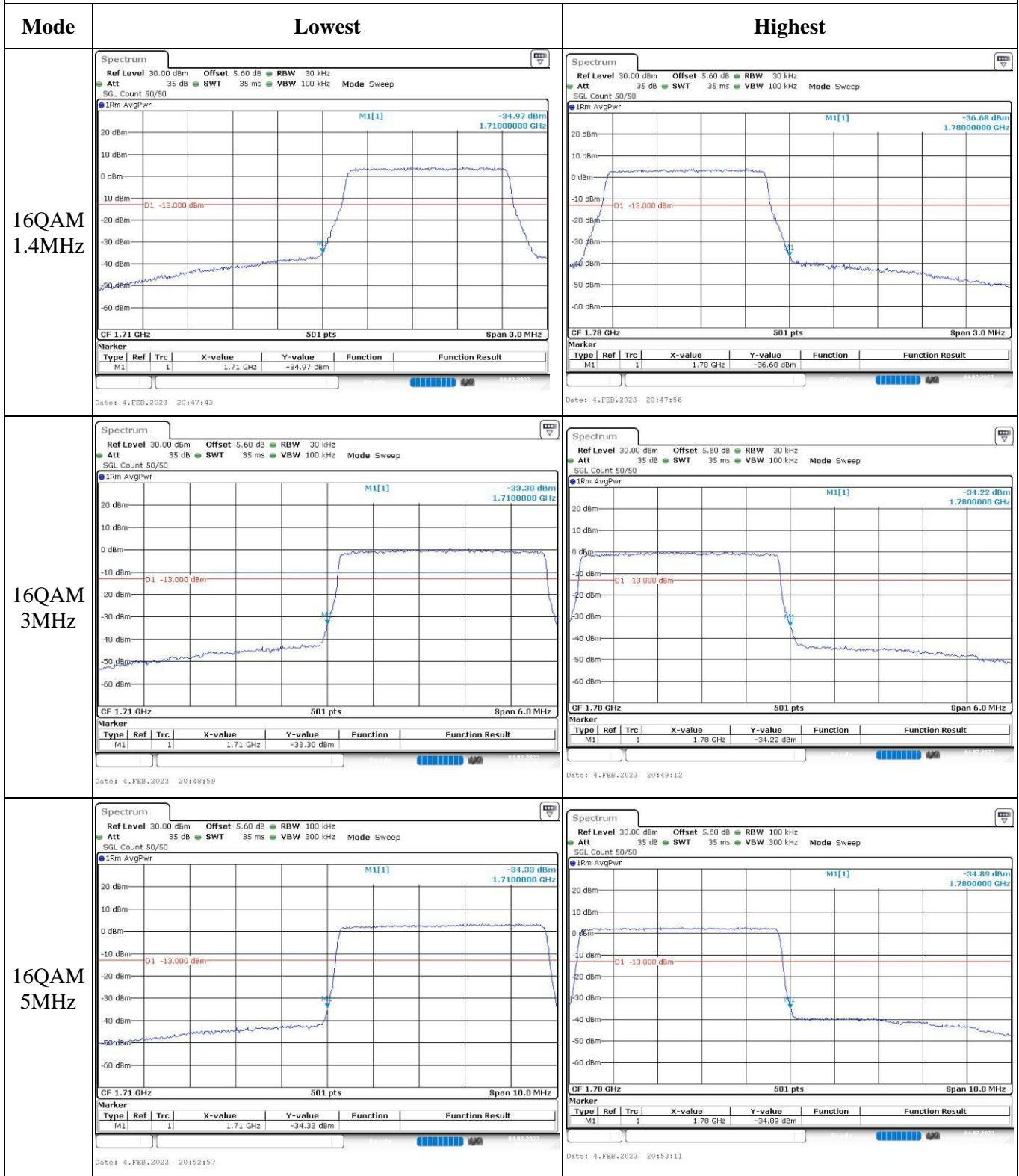
Out of band emission, Band Edge



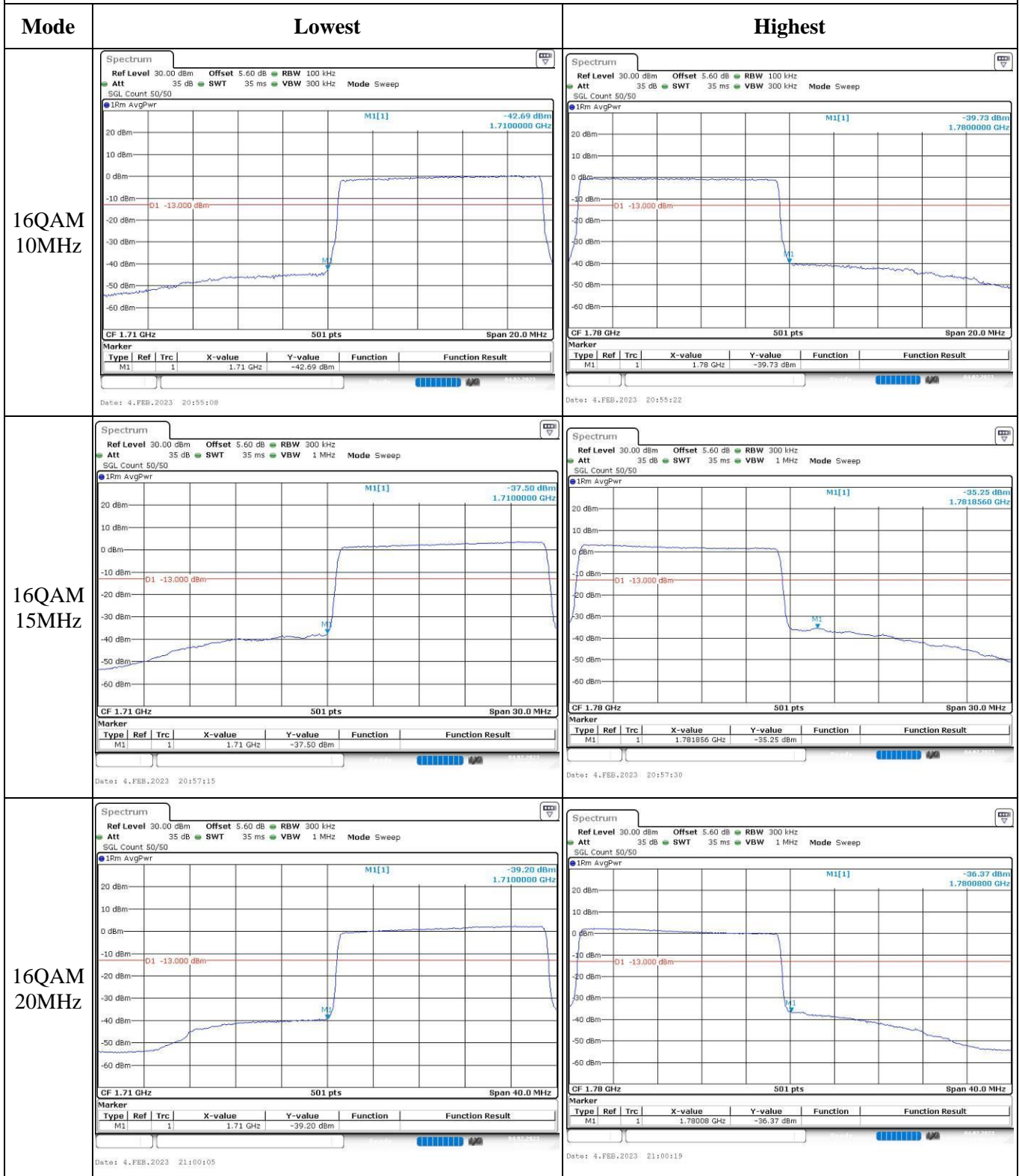
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.13 Radiated Spurious Emissions

Serial Number:	1ZLT	Test Date:	2023/02/10~2023/02/12
Test Site:	966-1/966-2	Test Mode:	Transmitting
Tester:	Carl Xue	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.6~24.8	Relative Humidity: (%)	63	ATM Pressure: (kPa)	100.8~101.3
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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
Agilent	Signal Generator	E8247C	MY43321352	2022/04/01	2023/03/31
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 it's data was recorded.

Cellular Band (PART 22H)**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								
724.35	H	21.30	-51.53	0.00	0.51	-52.04	-13.00	39.04
696.97	V	21.35	-48.62	0.00	0.55	-49.17	-13.00	36.17
1648.400	H	44.82	-59.51	8.68	0.80	-51.63	-13.00	38.63
1648.400	V	45.60	-58.81	8.68	0.80	-50.93	-13.00	37.93
2472.600	H	46.57	-54.21	9.38	1.00	-45.83	-13.00	32.83
2472.600	V	46.27	-54.46	9.38	1.00	-46.08	-13.00	33.08
3296.800	H	36.45	-60.23	10.32	1.15	-51.06	-13.00	38.06
3296.800	V	35.78	-60.66	10.32	1.15	-51.49	-13.00	38.49
GSM 850 Frequency:836.6MHz								
580.91	H	21.69	-52.55	0.00	0.46	-53.01	-13.00	40.01
721.83	V	21.84	-47.60	0.00	0.50	-48.10	-13.00	35.10
1673.200	H	40.91	-63.40	8.71	0.85	-55.54	-13.00	42.54
1673.200	V	40.46	-63.95	8.71	0.85	-56.09	-13.00	43.09
2509.800	H	47.74	-52.87	9.42	1.01	-44.46	-13.00	31.46
2509.800	V	45.83	-54.79	9.42	1.01	-46.38	-13.00	33.38
3346.400	H	35.68	-61.49	10.34	1.16	-52.31	-13.00	39.31
3346.400	V	35.23	-61.80	10.34	1.16	-52.62	-13.00	39.62
GSM 850 Frequency:848.8MHz								
729.44	H	21.09	-51.64	0.00	0.53	-52.17	-13.00	39.17
711.77	V	21.37	-48.29	0.00	0.51	-48.80	-13.00	35.80
1697.600	H	35.46	-68.83	8.74	0.90	-60.99	-13.00	47.99
1697.600	V	35.78	-68.64	8.74	0.90	-60.80	-13.00	47.80
2546.400	H	47.76	-52.57	9.47	1.01	-44.11	-13.00	31.11
2546.400	V	46.25	-54.03	9.47	1.01	-45.57	-13.00	32.57
3395.200	H	36.01	-61.68	10.36	1.19	-52.51	-13.00	39.51
3395.200	V	35.44	-62.22	10.36	1.19	-53.05	-13.00	40.05

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								
726.90	H	21.50	-51.28	0.00	0.52	-51.80	-13.00	38.80
729.33	V	21.31	-47.97	0.00	0.53	-48.50	-13.00	35.50
1652.800	H	35.46	-68.87	8.68	0.81	-61.00	-13.00	48.00
1652.800	V	34.16	-70.25	8.68	0.81	-62.38	-13.00	49.38
2479.200	H	36.01	-64.75	9.39	1.01	-56.37	-13.00	43.37
2479.200	V	34.11	-66.62	9.39	1.01	-58.24	-13.00	45.24
3305.600	H	35.57	-61.16	10.32	1.15	-51.99	-13.00	38.99
3305.600	V	35.63	-60.87	10.32	1.15	-51.70	-13.00	38.70
WCDMA Band 5 Frequency:836.6MHz								
719.30	H	21.20	-51.73	0.00	0.49	-52.22	-13.00	39.22
711.78	V	21.16	-48.50	0.00	0.51	-49.01	-13.00	36.01
1673.200	H	36.12	-68.19	8.71	0.85	-60.33	-13.00	47.33
1673.200	V	35.08	-69.33	8.71	0.85	-61.47	-13.00	48.47
2509.800	H	35.11	-65.50	9.42	1.01	-57.09	-13.00	44.09
2509.800	V	34.36	-66.26	9.42	1.01	-57.85	-13.00	44.85
3346.400	H	35.27	-61.90	10.34	1.16	-52.72	-13.00	39.72
3346.400	V	35.46	-61.57	10.34	1.16	-52.39	-13.00	39.39
WCDMA Band 5 Frequency:846.6MHz								
709.29	H	21.62	-51.51	0.00	0.52	-52.03	-13.00	39.03
721.82	V	21.10	-48.34	0.00	0.50	-48.84	-13.00	35.84
1693.200	H	45.66	-58.64	8.73	0.89	-50.80	-13.00	37.80
1693.200	V	41.60	-62.82	8.73	0.89	-54.98	-13.00	41.98
2539.800	H	36.82	-63.56	9.46	1.01	-55.11	-13.00	42.11
2539.800	V	37.03	-63.31	9.46	1.01	-54.86	-13.00	41.86
3386.400	H	35.12	-62.47	10.35	1.18	-53.30	-13.00	40.30
3386.400	V	35.28	-62.26	10.35	1.18	-53.09	-13.00	40.09

PCS Band (PART 24E)

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								
68.54	H	29.23	-74.56	-5.77	0.15	-80.48	-13.00	67.48
68.15	V	36.31	-66.93	-5.98	0.15	-73.06	-13.00	60.06
3700.400	H	35.46	-61.86	10.60	1.25	-52.51	-13.00	39.51
3700.400	V	35.13	-62.17	10.60	1.25	-52.82	-13.00	39.82
5550.600	H	37.73	-55.53	11.44	1.49	-45.58	-13.00	32.58
5550.600	V	40.33	-52.77	11.44	1.49	-42.82	-13.00	29.82
GSM 1900 Frequency:1880MHz								
59.23	H	29.07	-74.58	-10.65	0.14	-85.37	-13.00	72.37
68.31	V	36.15	-67.03	-5.90	0.15	-73.08	-13.00	60.08
3760.000	H	35.89	-60.52	10.66	1.24	-51.10	-13.00	38.10
3760.000	V	35.47	-60.82	10.66	1.24	-51.40	-13.00	38.40
5640.000	H	38.64	-54.81	11.33	1.54	-45.02	-13.00	32.02
5640.000	V	39.53	-53.80	11.33	1.54	-44.01	-13.00	31.01
GSM 1900 Frequency:1909.8MHz								
79.15	H	29.36	-79.91	-0.42	0.16	-80.49	-13.00	67.49
40.27	V	36.59	-53.58	-26.04	0.11	-79.73	-13.00	66.73
3819.600	H	35.62	-60.24	10.72	1.29	-50.81	-13.00	37.81
3819.600	V	35.26	-60.46	10.72	1.29	-51.03	-13.00	38.03
5729.400	H	40.67	-52.81	11.22	1.59	-43.18	-13.00	30.18
5729.400	V	40.39	-52.97	11.22	1.59	-43.34	-13.00	30.34

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								
37.79	H	29.01	-52.28	-25.34	0.11	-77.73	-13.00	64.73
45.05	V	36.05	-60.30	-19.75	0.12	-80.17	-13.00	67.17
3704.800	H	35.51	-61.75	10.60	1.25	-52.40	-13.00	39.40
3704.800	V	36.18	-61.05	10.60	1.25	-51.70	-13.00	38.70
5557.200	H	41.96	-51.32	11.43	1.49	-41.38	-13.00	28.38
5557.200	V	42.66	-50.47	11.43	1.49	-40.53	-13.00	27.53
WCDMA Band II, Frequency:1880 MHz								
77.85	H	29.08	-79.41	-1.08	0.16	-80.65	-13.00	67.65
69.11	V	36.11	-66.80	-5.47	0.15	-72.42	-13.00	59.42
3760.000	H	35.86	-60.55	10.66	1.24	-51.13	-13.00	38.13
3760.000	V	34.64	-61.65	10.66	1.24	-52.23	-13.00	39.23
5640.000	H	39.28	-54.17	11.33	1.54	-44.38	-13.00	31.38
5640.000	V	39.40	-53.93	11.33	1.54	-44.14	-13.00	31.14
WCDMA Band II, Frequency:1907.6MHz								
38.47	H	28.53	-53.72	-25.67	0.11	-79.50	-13.00	66.50
67.93	V	35.36	-67.95	-6.10	0.15	-74.20	-13.00	61.20
3815.200	H	34.35	-61.50	10.72	1.29	-52.07	-13.00	39.07
3815.200	V	35.23	-60.46	10.72	1.29	-51.03	-13.00	38.03
5722.800	H	37.89	-55.60	11.23	1.58	-45.95	-13.00	32.95
5722.800	V	39.16	-54.19	11.23	1.58	-44.54	-13.00	31.54

AWS Band(Part 27)

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)			
WCDMA Band IV, Frequency:1712.4 MHz								
77.23	H	29.37	-78.75	-1.39	0.16	-80.30	-13.00	67.30
67.43	V	35.69	-67.79	-6.36	0.15	-74.30	-13.00	61.30
3424.800	H	35.98	-61.79	10.37	1.17	-52.59	-13.00	39.59
3424.800	V	36.45	-61.29	10.37	1.17	-52.09	-13.00	39.09
5137.200	H	36.05	-57.57	11.28	1.46	-47.75	-13.00	34.75
5137.200	V	36.55	-56.95	11.28	1.46	-47.13	-13.00	34.13
WCDMA Band IV, Frequency:1732.6 MHz								
75.96	H	29.32	-78.04	-2.02	0.16	-80.22	-13.00	67.22
68.63	V	35.50	-67.58	-5.73	0.15	-73.46	-13.00	60.46
3465.200	H	36.10	-61.71	10.39	1.15	-52.47	-13.00	39.47
3465.200	V	35.63	-62.14	10.39	1.15	-52.90	-13.00	39.90
5197.800	H	35.87	-58.26	11.32	1.44	-48.38	-13.00	35.38
5197.800	V	38.21	-55.77	11.32	1.44	-45.89	-13.00	32.89
WCDMA Band IV, Frequency:1752.6MHz								
53.14	H	29.10	-72.72	-13.46	0.13	-86.31	-13.00	73.31
68.15	V	35.14	-68.10	-5.98	0.15	-74.23	-13.00	61.23
3505.200	H	37.55	-60.28	10.41	1.18	-51.05	-13.00	38.05
3505.200	V	36.78	-60.99	10.41	1.18	-51.76	-13.00	38.76
5257.800	H	37.46	-56.27	11.35	1.47	-46.39	-13.00	33.39
5257.800	V	37.27	-56.24	11.35	1.47	-46.36	-13.00	33.36

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, Frequency: 1850.7 MHz								
58.59	H	29.29	-74.17	-10.95	0.14	-85.26	-13.00	72.26
44.58	V	39.22	-56.54	-20.35	0.12	-77.01	-13.00	64.01
3701.400	H	38.33	-58.98	10.60	1.25	-49.63	-13.00	36.63
3701.400	V	38.67	-58.62	10.60	1.25	-49.27	-13.00	36.27
5552.100	H	45.15	-48.12	11.44	1.49	-38.17	-13.00	25.17
5552.100	V	43.93	-49.17	11.44	1.49	-39.22	-13.00	26.22
QPSK, Frequency: 1880 MHz								
60.47	H	29.14	-74.74	-10.05	0.14	-84.93	-13.00	71.93
45.21	V	39.68	-56.83	-19.59	0.12	-76.54	-13.00	63.54
3760.000	H	37.15	-59.26	10.66	1.24	-49.84	-13.00	36.84
3760.000	V	38.97	-57.32	10.66	1.24	-47.90	-13.00	34.90
5640.000	H	39.87	-53.58	11.33	1.54	-43.79	-13.00	30.79
5640.000	V	45.74	-47.59	11.33	1.54	-37.80	-13.00	24.80
QPSK, Frequency: 1909.3 MHz								
68.84	H	28.47	-75.32	-5.61	0.15	-81.08	-13.00	68.08
44.58	V	39.84	-55.92	-20.35	0.12	-76.39	-13.00	63.39
3818.600	H	38.10	-57.76	10.72	1.29	-48.33	-13.00	35.33
3818.600	V	38.14	-57.57	10.72	1.29	-48.14	-13.00	35.14
5727.900	H	44.72	-48.76	11.23	1.59	-39.12	-13.00	26.12
5727.900	V	43.06	-50.30	11.23	1.59	-40.66	-13.00	27.66

LTE Band 4 (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, Frequency: 1710.7 MHz								
74.61	H	29.38	-77.17	-2.70	0.16	-80.03	-13.00	67.03
44.73	V	40.69	-55.26	-20.16	0.12	-75.54	-13.00	62.54
3421.400	H	36.43	-61.33	10.37	1.17	-52.13	-13.00	39.13
3421.400	V	38.09	-59.64	10.37	1.17	-50.44	-13.00	37.44
5132.100	H	43.41	-50.16	11.28	1.47	-40.35	-13.00	27.35
5132.100	V	38.90	-54.56	11.28	1.47	-44.75	-13.00	31.75
QPSK, Frequency: 1732.5 MHz								
73.32	H	29.56	-76.21	-3.34	0.16	-79.71	-13.00	66.71
45.05	V	40.83	-55.52	-19.75	0.12	-75.39	-13.00	62.39
3465.000	H	38.12	-59.69	10.39	1.15	-50.45	-13.00	37.45
3465.000	V	38.56	-59.21	10.39	1.15	-49.97	-13.00	36.97
5197.500	H	38.18	-55.95	11.32	1.44	-46.07	-13.00	33.07
5197.500	V	38.43	-55.55	11.32	1.44	-45.67	-13.00	32.67
QPSK, Frequency: 1754.3MHz								
68.57	H	29.12	-74.67	-5.76	0.15	-80.58	-13.00	67.58
44.58	V	40.98	-54.78	-20.35	0.12	-75.25	-13.00	62.25
3508.600	H	39.20	-58.62	10.41	1.19	-49.40	-13.00	36.40
3508.600	V	40.73	-57.03	10.41	1.19	-47.81	-13.00	34.81
5262.900	H	38.44	-55.26	11.36	1.47	-45.37	-13.00	32.37
5262.900	V	37.93	-55.54	11.36	1.47	-45.65	-13.00	32.65

LTE Band 5(30MHz-10GHz):

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, Frequency: 824.7 MHz								
704.47	H	21.52	-51.71	0.00	0.55	-52.26	-13.00	39.26
716.92	V	20.73	-48.82	0.00	0.50	-49.32	-13.00	36.32
1649.400	H	35.03	-69.30	8.68	0.80	-61.42	-13.00	48.42
1649.400	V	34.92	-69.49	8.68	0.80	-61.61	-13.00	48.61
2474.100	H	38.64	-62.14	9.38	1.00	-53.76	-13.00	40.76
2474.100	V	35.02	-65.71	9.38	1.00	-57.33	-13.00	44.33
3298.800	H	34.14	-62.54	10.32	1.15	-53.37	-13.00	40.37
3298.800	V	34.61	-61.83	10.32	1.15	-52.66	-13.00	39.66
QPSK, Frequency: 836.5 MHz								
729.58	H	21.34	-51.38	0.00	0.53	-51.91	-13.00	38.91
727.03	V	21.26	-48.07	0.00	0.52	-48.59	-13.00	35.59
1673.000	H	38.24	-66.07	8.71	0.85	-58.21	-13.00	45.21
1673.000	V	49.64	-54.77	8.71	0.85	-46.91	-13.00	33.91
2509.500	H	35.15	-65.46	9.42	1.01	-57.05	-13.00	44.05
2509.500	V	34.79	-65.83	9.42	1.01	-57.42	-13.00	44.42
3346.000	H	34.96	-62.20	10.34	1.16	-53.02	-13.00	40.02
3346.000	V	36.11	-60.91	10.34	1.16	-51.73	-13.00	38.73
QPSK, Frequency: 848.3 MHz								
709.42	H	21.45	-51.68	0.00	0.52	-52.20	-13.00	39.20
666.07	V	21.33	-49.20	0.00	0.50	-49.70	-13.00	36.70
1696.600	H	44.71	-59.58	8.74	0.89	-51.73	-13.00	38.73
1696.600	V	45.02	-59.40	8.74	0.89	-51.55	-13.00	38.55
2544.900	H	40.13	-60.21	9.47	1.01	-51.75	-13.00	38.75
2544.900	V	46.07	-54.23	9.47	1.01	-45.77	-13.00	32.77
3393.200	H	37.19	-60.48	10.36	1.19	-51.31	-13.00	38.31
3393.200	V	36.14	-61.49	10.36	1.19	-52.32	-13.00	39.32

LTE Band 7 (30MHz-26.5GHz):

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, Frequency: 2502.5 MHz								
73.83	H	29.38	-76.70	-3.09	0.16	-79.95	-25.00	54.95
44.58	V	40.27	-55.49	-20.35	0.12	-75.96	-25.00	50.96
5005.000	H	45.59	-47.37	11.20	1.47	-37.64	-25.00	12.64
5005.000	V	40.31	-52.51	11.20	1.47	-42.78	-25.00	17.78
7507.500	H	39.48	-50.31	10.90	1.95	-41.36	-25.00	16.36
7507.500	V	38.05	-52.24	10.90	1.95	-43.29	-25.00	18.29
QPSK, Frequency:2535 MHz								
87.97	H	29.33	-83.04	0.00	0.17	-83.21	-25.00	58.21
45.05	V	40.50	-55.85	-19.75	0.12	-75.72	-25.00	50.72
5070.000	H	39.53	-53.66	11.24	1.47	-43.89	-25.00	18.89
5070.000	V	37.42	-55.67	11.24	1.47	-45.90	-25.00	20.90
7605.000	H	39.32	-50.15	10.88	2.01	-41.28	-25.00	16.28
7605.000	V	38.53	-51.66	10.88	2.01	-42.79	-25.00	17.79
QPSK, Frequency: 2567.5 MHz								
56.97	H	29.23	-73.74	-11.69	0.14	-85.57	-25.00	60.57
44.58	V	39.54	-56.22	-20.35	0.12	-76.69	-25.00	51.69
5135.000	H	38.00	-55.60	11.28	1.47	-45.79	-25.00	20.79
5135.000	V	38.62	-54.87	11.28	1.47	-45.06	-25.00	20.06
7702.500	H	39.28	-50.24	10.86	1.97	-41.35	-25.00	16.35
7702.500	V	38.81	-51.37	10.86	1.97	-42.48	-25.00	17.48

LTE Band 12 (30MHz-10GHz):

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, Frequency: 699.7 MHz								
578.98	H	20.66	-53.61	0.00	0.46	-54.07	-13.00	41.07
543.60	V	20.84	-50.81	0.00	0.47	-51.28	-13.00	38.28
1399.400	H	36.26	-67.44	8.22	0.71	-59.93	-13.00	46.93
1399.400	V	35.83	-67.92	8.22	0.71	-60.41	-13.00	47.41
2099.100	H	45.47	-56.41	9.16	0.91	-48.16	-13.00	35.16
2099.100	V	44.10	-57.73	9.16	0.91	-49.48	-13.00	36.48
2798.800	H	36.41	-63.52	9.88	1.04	-54.68	-13.00	41.68
2798.800	V	34.65	-65.15	9.88	1.04	-56.31	-13.00	43.31
QPSK, Frequency: 707.5 MHz								
597.53	H	20.58	-53.33	0.00	0.51	-53.84	-13.00	40.84
537.92	V	20.69	-50.95	0.00	0.46	-51.41	-13.00	38.41
1415.000	H	39.04	-64.63	8.26	0.72	-57.09	-13.00	44.09
1415.000	V	38.47	-65.25	8.26	0.72	-57.71	-13.00	44.71
2122.500	H	48.29	-53.70	9.17	0.92	-45.45	-13.00	32.45
2122.500	V	46.87	-55.10	9.17	0.92	-46.85	-13.00	33.85
2830.000	H	35.22	-64.58	9.93	1.06	-55.71	-13.00	42.71
2830.000	V	36.49	-63.24	9.93	1.06	-54.37	-13.00	41.37
QPSK, Frequency: 715.3 MHz								
587.15	H	20.63	-53.48	0.00	0.47	-53.95	-13.00	40.95
593.35	V	20.96	-50.76	0.00	0.50	-51.26	-13.00	38.26
1430.600	H	39.25	-64.38	8.31	0.73	-56.80	-13.00	43.80
1430.600	V	37.63	-66.06	8.31	0.73	-58.48	-13.00	45.48
2145.900	H	47.14	-54.96	9.19	0.93	-46.70	-13.00	33.70
2145.900	V	45.09	-57.02	9.19	0.93	-48.76	-13.00	35.76
2861.200	H	35.09	-64.56	9.98	1.07	-55.65	-13.00	42.65
2861.200	V	36.20	-63.47	9.98	1.07	-54.56	-13.00	41.56

LTE Band 17 (30MHz-10GHz):

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, Frequency: 706.5 MHz								
642.92	H	20.79	-52.84	0.00	0.52	-53.36	-13.00	40.36
633.97	V	20.93	-50.19	0.00	0.51	-50.70	-13.00	37.70
1413.000	H	35.19	-68.48	8.26	0.72	-60.94	-13.00	47.94
1413.000	V	36.12	-67.60	8.26	0.72	-60.06	-13.00	47.06
2119.500	H	46.75	-55.22	9.17	0.92	-46.97	-13.00	33.97
2119.500	V	43.05	-58.90	9.17	0.92	-50.65	-13.00	37.65
2826.000	H	35.64	-64.17	9.92	1.06	-55.31	-13.00	42.31
2826.000	V	35.27	-64.47	9.92	1.06	-55.61	-13.00	42.61
QPSK, Frequency: 710 MHz								
647.44	H	21.21	-52.39	0.00	0.52	-52.91	-13.00	39.91
642.92	V	20.94	-50.01	0.00	0.52	-50.53	-13.00	37.53
1420.000	H	38.26	-65.40	8.28	0.73	-57.85	-13.00	44.85
1420.000	V	36.36	-67.35	8.28	0.73	-59.80	-13.00	46.80
2130.000	H	44.55	-57.47	9.18	0.92	-49.21	-13.00	36.21
2130.000	V	40.66	-61.35	9.18	0.92	-53.09	-13.00	40.09
2840.000	H	35.18	-64.57	9.94	1.06	-55.69	-13.00	42.69
2840.000	V	35.63	-64.08	9.94	1.06	-55.20	-13.00	42.20
QPSK, Frequency: 713.5 MHz								
582.85	H	20.89	-53.31	0.00	0.46	-53.77	-13.00	40.77
564.76	V	21.03	-50.65	0.00	0.46	-51.11	-13.00	38.11
1427.000	H	35.53	-68.11	8.30	0.73	-60.54	-13.00	47.54
1427.000	V	36.49	-67.20	8.30	0.73	-59.63	-13.00	46.63
2140.500	H	38.26	-63.81	9.18	0.93	-55.56	-13.00	42.56
2140.500	V	39.46	-62.62	9.18	0.93	-54.37	-13.00	41.37
2854.000	H	34.90	-64.79	9.97	1.07	-55.89	-13.00	42.89
2854.000	V	34.68	-65.00	9.97	1.07	-56.10	-13.00	43.10

LTE Band 38 (30MHz-26.5GHz):

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, Frequency: 2572.5 MHz								
51.62	H	29.56	-71.80	-14.15	0.13	-86.08	-25.00	61.08
45.05	V	39.85	-56.50	-19.75	0.12	-76.37	-25.00	51.37
5145.000	H	35.27	-58.41	11.29	1.44	-48.56	-25.00	23.56
5145.000	V	35.24	-58.33	11.29	1.44	-48.48	-25.00	23.48
7717.500	H	38.54	-50.97	10.86	1.99	-42.10	-25.00	17.10
7717.500	V	35.91	-54.22	10.86	1.99	-45.35	-25.00	20.35
QPSK, Frequency:2595 MHz								
40.18	H	29.36	-55.33	-26.16	0.11	-81.60	-25.00	56.60
45.05	V	39.02	-57.33	-19.75	0.12	-77.20	-25.00	52.20
5190.000	H	34.25	-59.82	11.31	1.44	-49.95	-25.00	24.95
5190.000	V	36.13	-57.79	11.31	1.44	-47.92	-25.00	22.92
7785.000	H	40.43	-49.06	10.84	1.99	-40.21	-25.00	15.21
7785.000	V	37.19	-52.73	10.84	1.99	-43.88	-25.00	18.88
QPSK, Frequency: 2617.5 MHz								
40.28	H	29.30	-55.55	-26.03	0.11	-81.69	-25.00	56.69
44.58	V	40.04	-55.72	-20.35	0.12	-76.19	-25.00	51.19
5235.000	H	34.24	-59.66	11.34	1.46	-49.78	-25.00	24.78
5235.000	V	34.25	-59.46	11.34	1.46	-49.58	-25.00	24.58
7852.500	H	39.07	-50.12	10.83	2.03	-41.32	-25.00	16.32
7852.500	V	36.00	-53.58	10.83	2.03	-44.78	-25.00	19.78

LTE Band 41 (30MHz-26.5GHz):

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, Frequency: 2537.5 MHz								
44.74	H	29.50	-62.37	-20.14	0.12	-82.63	-25.00	57.63
45.05	V	40.26	-56.09	-19.75	0.12	-75.96	-25.00	50.96
5075.000	H	35.46	-57.75	11.25	1.48	-47.98	-25.00	22.98
5075.000	V	36.78	-56.33	11.25	1.48	-46.56	-25.00	21.56
7612.500	H	35.39	-54.09	10.88	2.02	-45.23	-25.00	20.23
7612.500	V	35.13	-55.06	10.88	2.02	-46.20	-25.00	21.20
QPSK, Frequency:2595 MHz								
72.81	H	29.19	-76.28	-3.60	0.16	-80.04	-25.00	55.04
45.21	V	40.13	-56.38	-19.59	0.12	-76.09	-25.00	51.09
5190.000	H	36.26	-57.81	11.31	1.44	-47.94	-25.00	22.94
5190.000	V	36.58	-57.34	11.31	1.44	-47.47	-25.00	22.47
7785.000	H	39.53	-49.96	10.84	1.99	-41.11	-25.00	16.11
7785.000	V	35.46	-54.46	10.84	1.99	-45.61	-25.00	20.61
QPSK, Frequency: 2652.5 MHz								
194.17	H	29.29	-83.48	0.00	0.26	-83.74	-25.00	58.74
44.73	V	40.16	-55.79	-20.16	0.12	-76.07	-25.00	51.07
5125.000	H	35.64	-57.87	11.28	1.49	-48.08	-25.00	23.08
5125.000	V	37.45	-55.96	11.28	1.49	-46.17	-25.00	21.17
7687.500	H	34.28	-55.23	10.86	2.00	-46.37	-25.00	21.37
7687.500	V	35.26	-54.93	10.86	2.00	-46.07	-25.00	21.07

LTE Band 66(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, Frequency: 1710.7 MHz								
72.55	H	29.21	-76.10	-3.73	0.16	-79.99	-13.00	66.99
45.05	V	40.50	-55.85	-19.75	0.12	-75.72	-13.00	62.72
3421.400	H	36.94	-60.82	10.37	1.17	-51.62	-13.00	38.62
3421.400	V	40.73	-57.00	10.37	1.17	-47.80	-13.00	34.80
5132.100	H	44.80	-48.77	11.28	1.47	-38.96	-13.00	25.96
5132.100	V	45.36	-48.10	11.28	1.47	-38.29	-13.00	25.29
QPSK, Frequency:1745 MHz								
73.21	H	29.91	-75.80	-3.40	0.16	-79.36	-13.00	66.36
44.58	V	40.80	-54.96	-20.35	0.12	-75.43	-13.00	62.43
3490.000	H	38.58	-59.26	10.40	1.17	-50.03	-13.00	37.03
3490.000	V	37.75	-60.03	10.40	1.17	-50.80	-13.00	37.80
5235.000	H	38.47	-55.43	11.34	1.46	-45.55	-13.00	32.55
5235.000	V	37.98	-55.73	11.34	1.46	-45.85	-13.00	32.85
QPSK, Frequency: 1779.3 MHz								
64.41	H	29.26	-74.58	-7.96	0.14	-82.68	-13.00	69.68
44.58	V	39.85	-55.91	-20.35	0.12	-76.38	-13.00	63.38
3558.600	H	43.50	-54.17	10.46	1.22	-44.93	-13.00	31.93
3558.600	V	43.35	-54.22	10.46	1.22	-44.98	-13.00	31.98
5337.900	H	44.61	-48.86	11.40	1.47	-38.93	-13.00	25.93
5337.900	V	44.62	-48.71	11.40	1.47	-38.78	-13.00	25.78

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

==== END OF REPORT =====