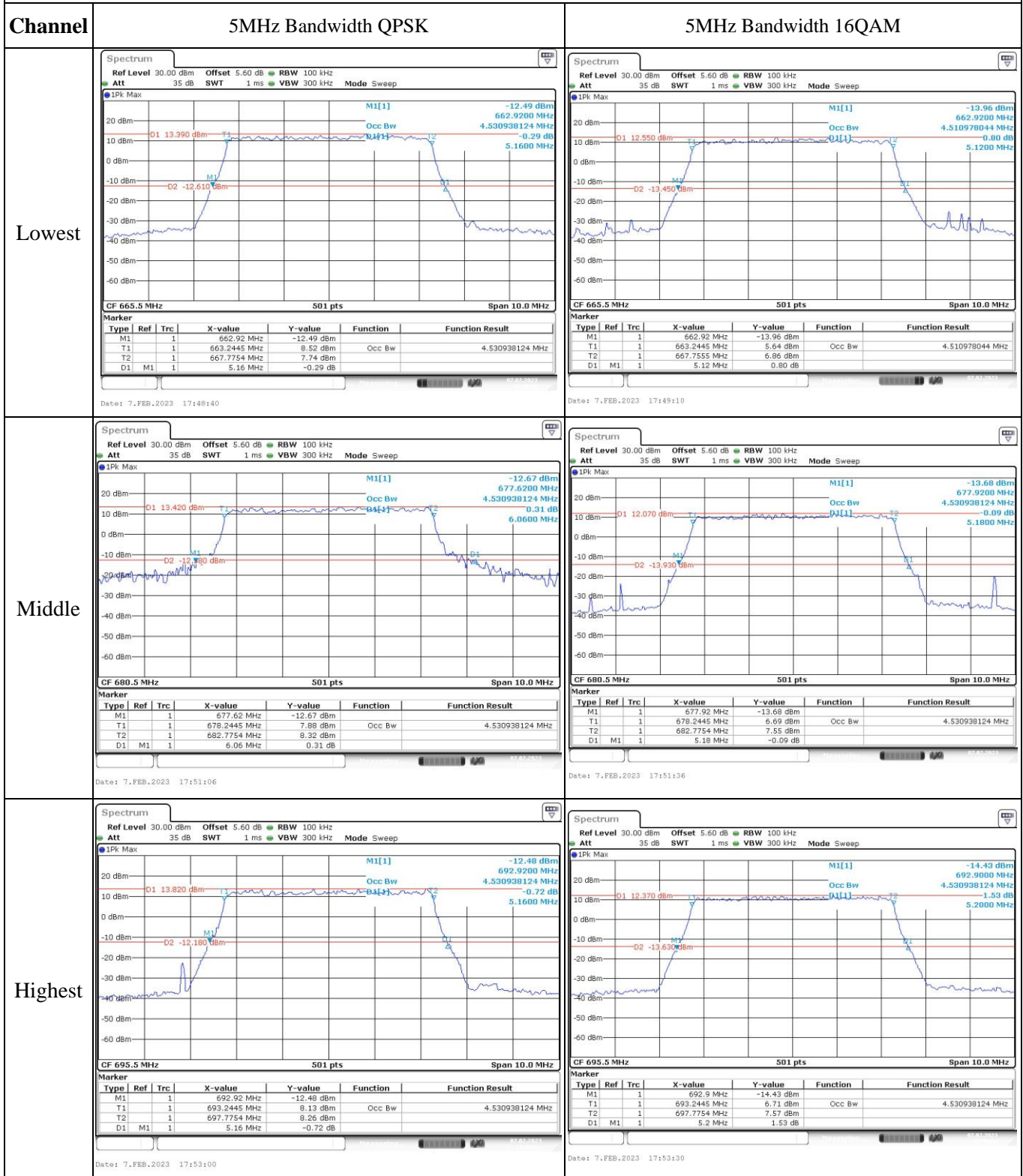


**Test Plots**(Note: The 5.6dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

**Occupied Bandwidth**



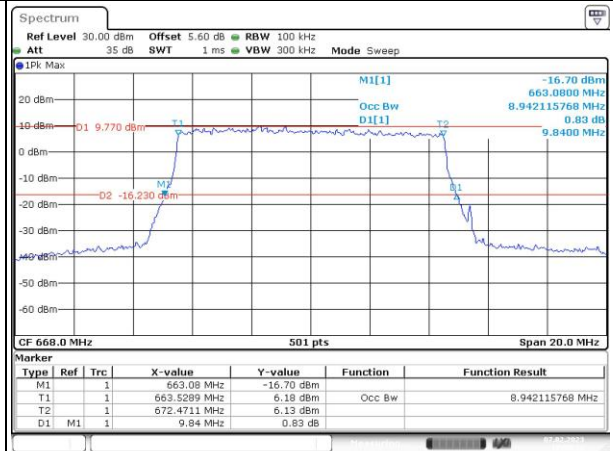
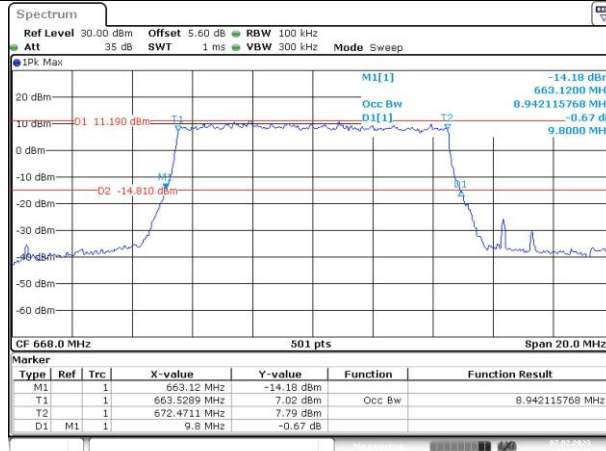
### Occupied Bandwidth

Channel

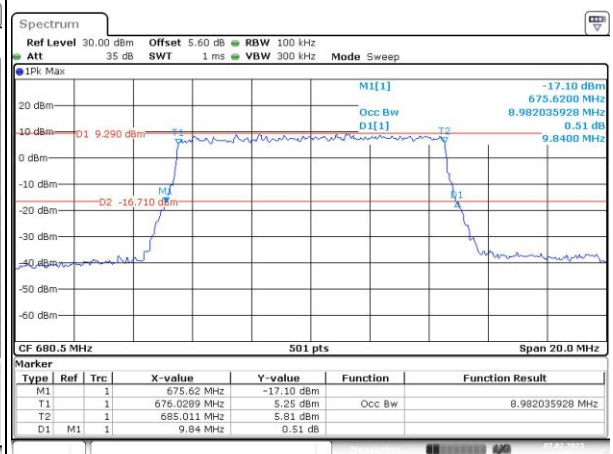
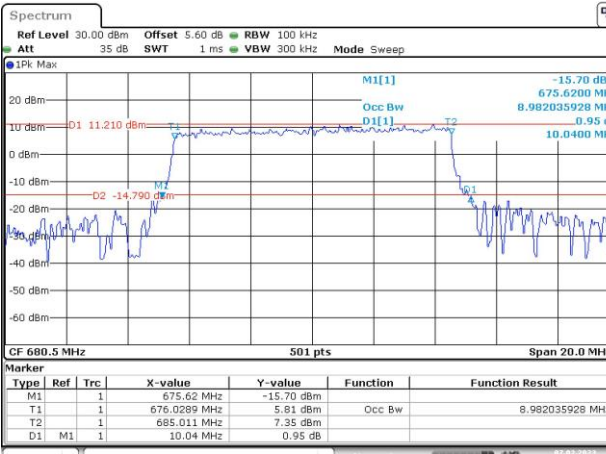
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

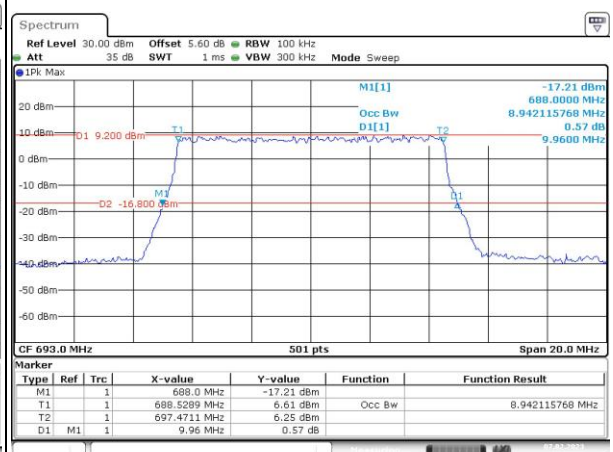
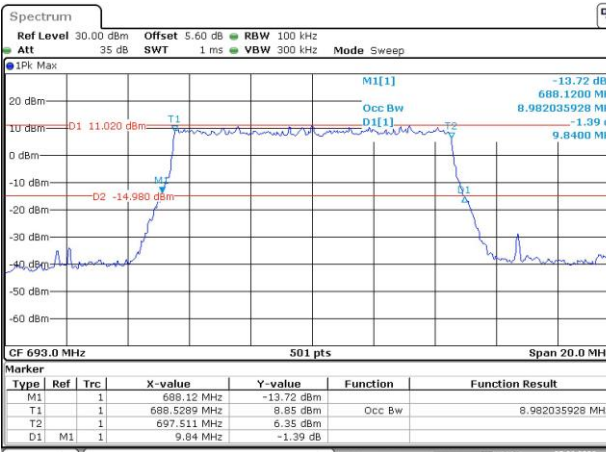
Lowest



Middle



Highest



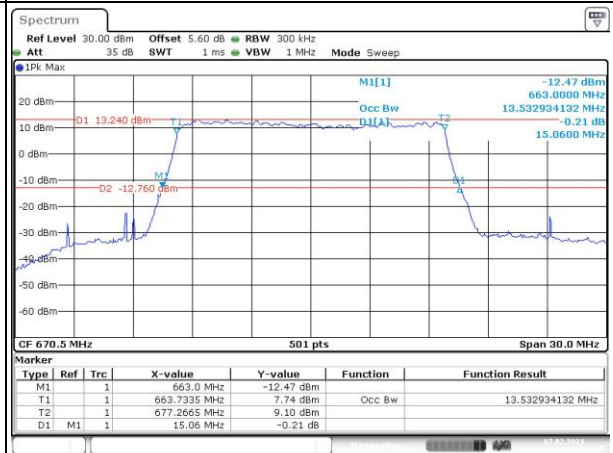
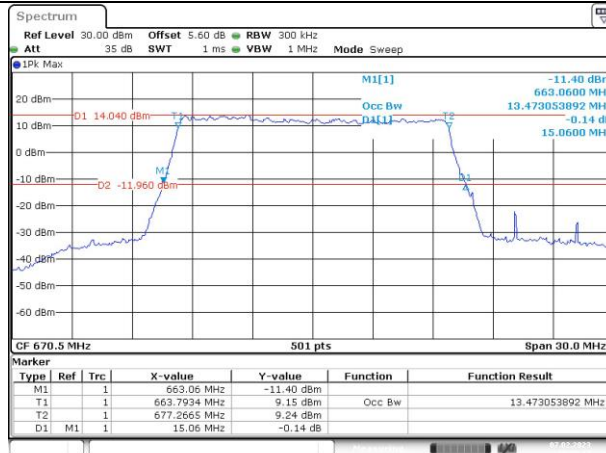
### Occupied Bandwidth

Channel

15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

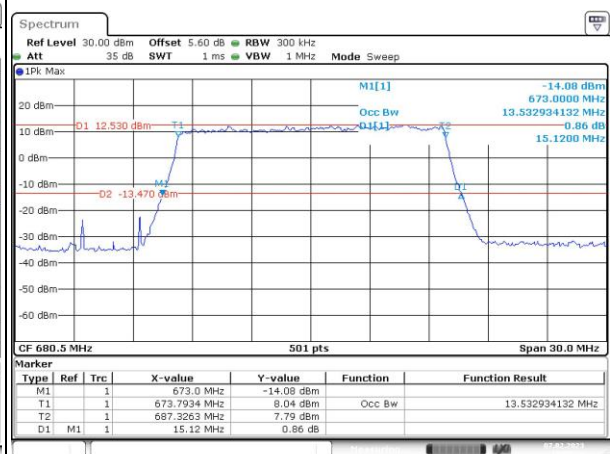
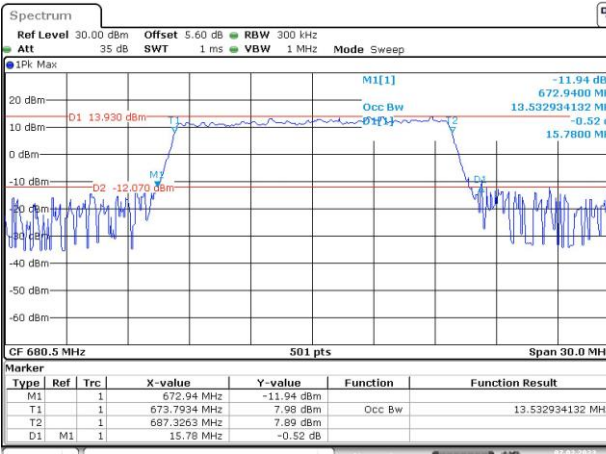
Lowest



Date: 7.FEB.2023 18:00:17

Date: 7.FEB.2023 18:00:52

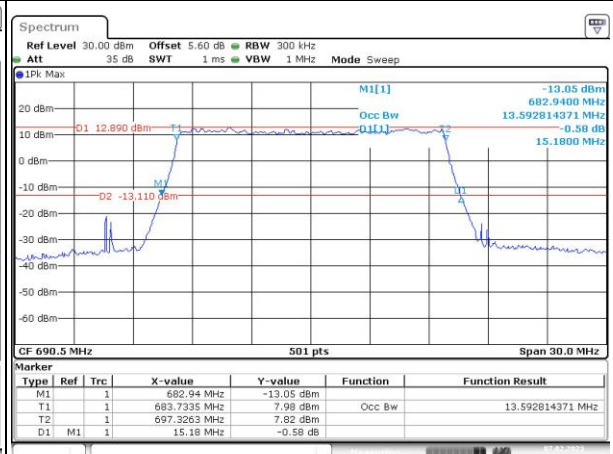
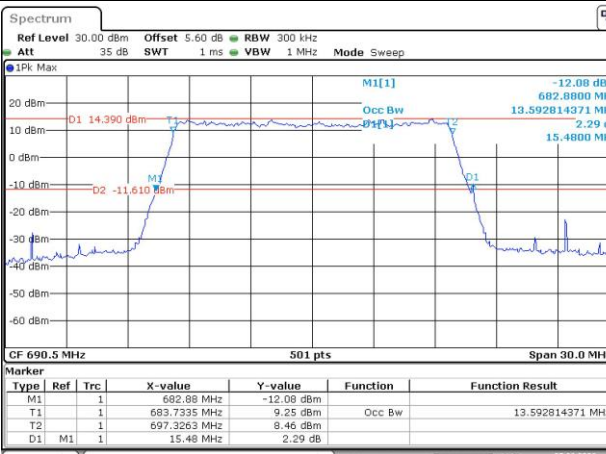
Middle



Date: 7.FEB.2023 18:01:43

Date: 7.FEB.2023 18:02:10

Highest



Date: 7.FEB.2023 18:03:56

Date: 7.FEB.2023 18:04:20



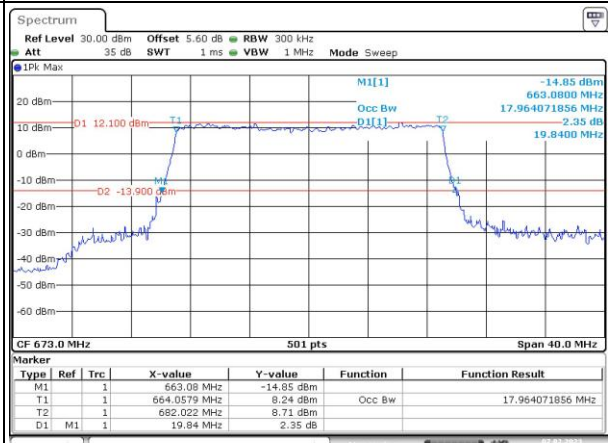
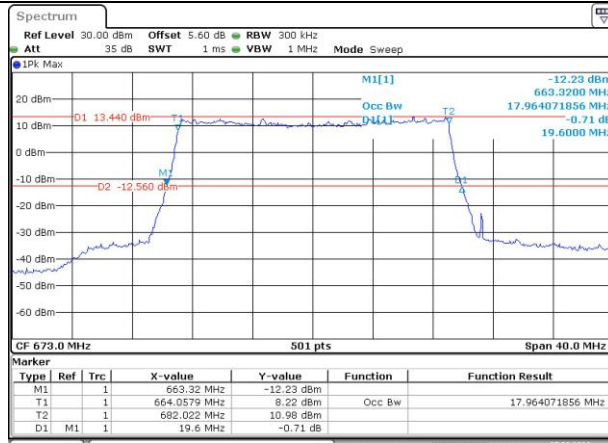
### Occupied Bandwidth

Channel

20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

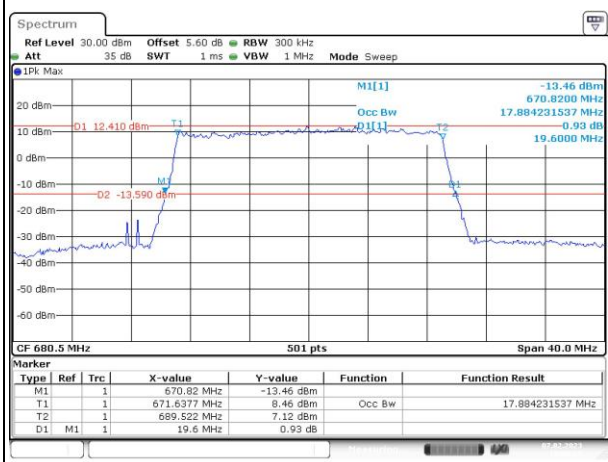
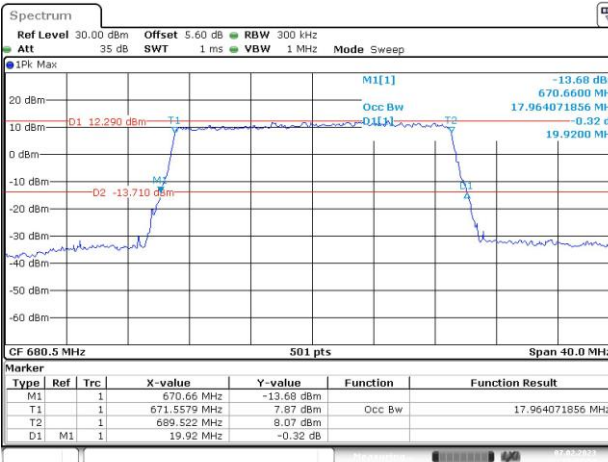
Lowest



Date: 7.FEB.2023 18:05:26

Date: 7.FEB.2023 18:06:26

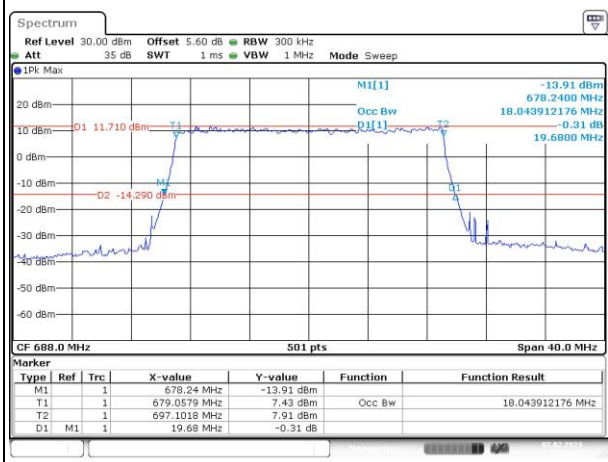
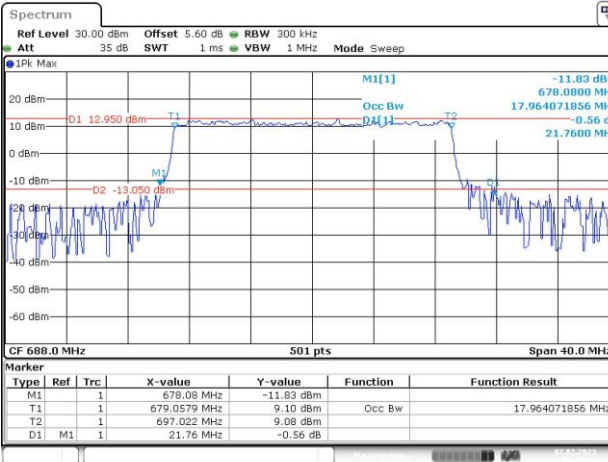
Middle



Date: 7.FEB.2023 18:07:54

Date: 7.FEB.2023 18:08:25

Highest



Date: 7.FEB.2023 18:10:00

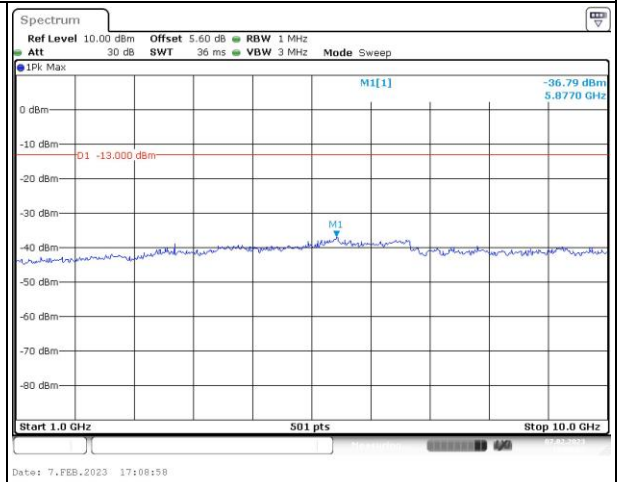
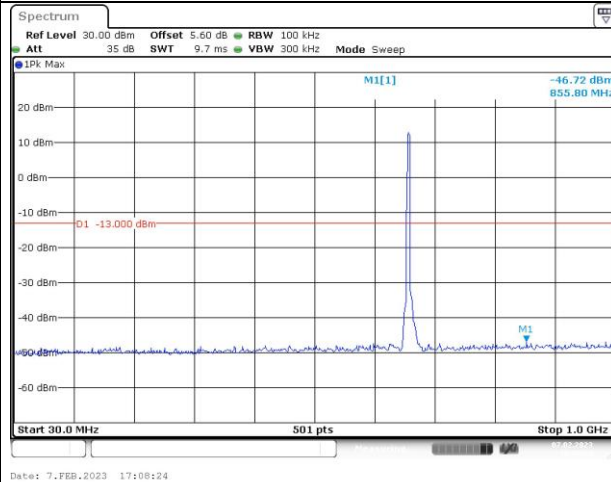
Date: 7.FEB.2023 18:10:31

### Spurious Emissions at Antenna Terminal

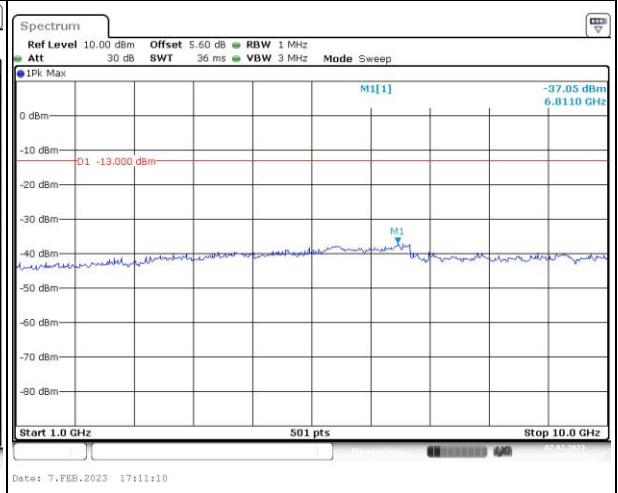
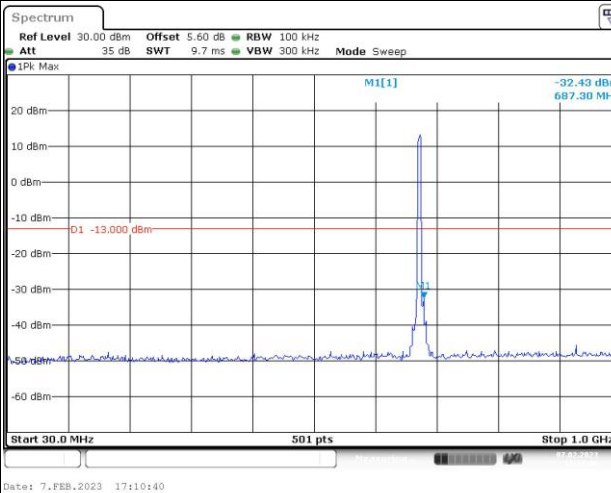
Channel

5MHz Bandwidth QPSK

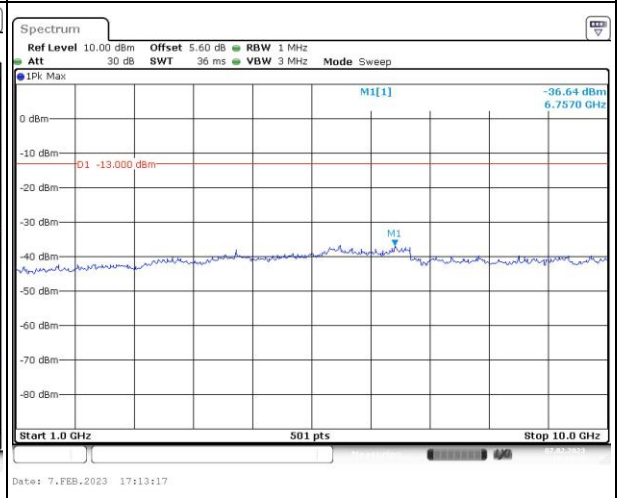
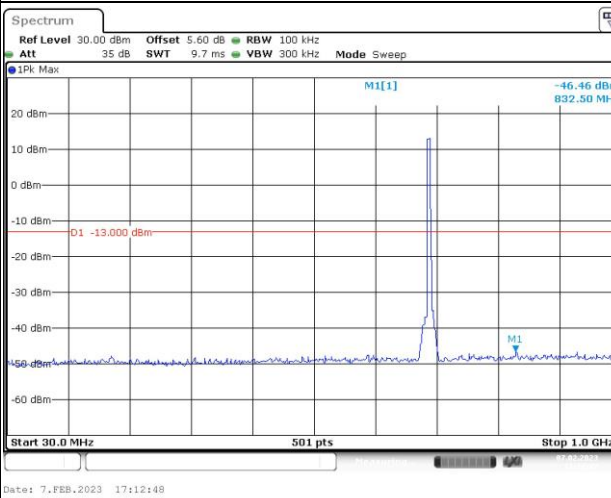
Lowest



Middle



Highest

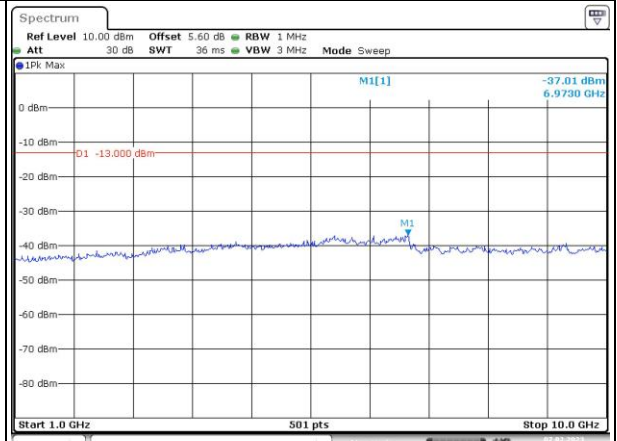
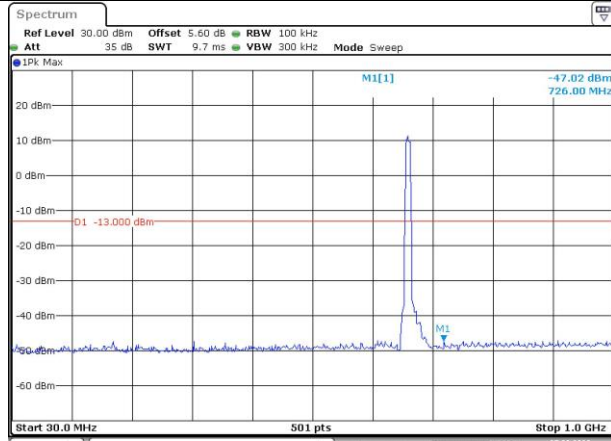


### Spurious Emissions at Antenna Terminal

Channel

10MHz Bandwidth QPSK

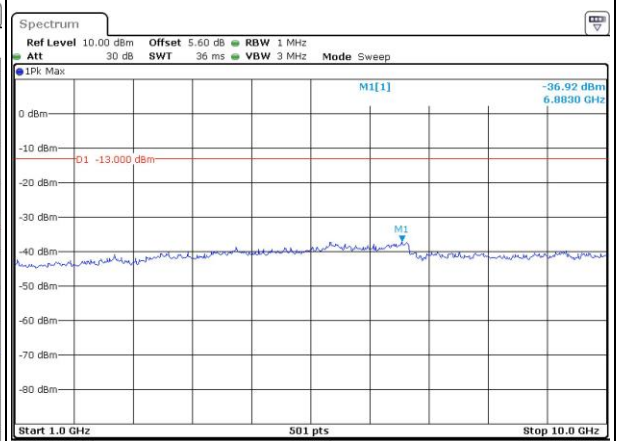
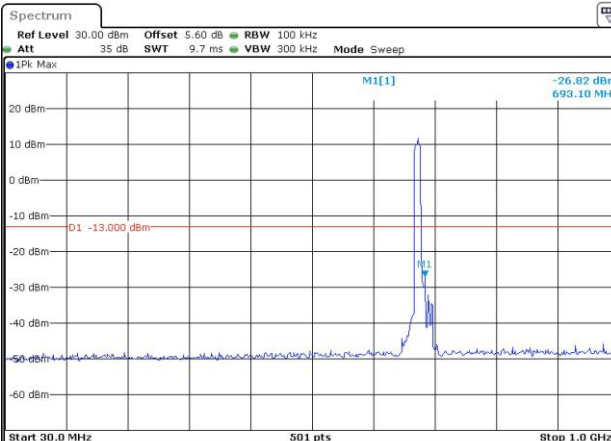
Lowest



Date: 7.FEB.2023 17:14:24

Date: 7.FEB.2023 17:14:57

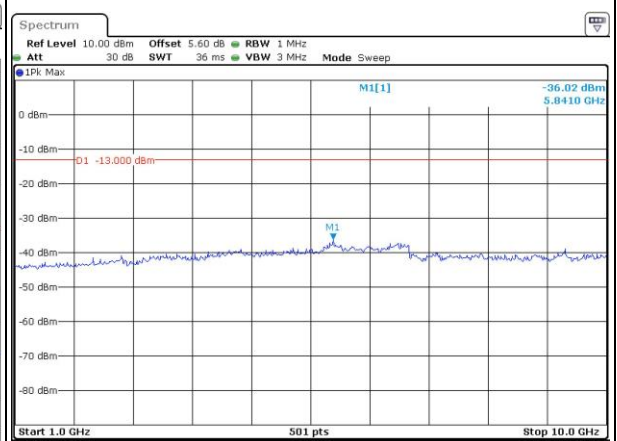
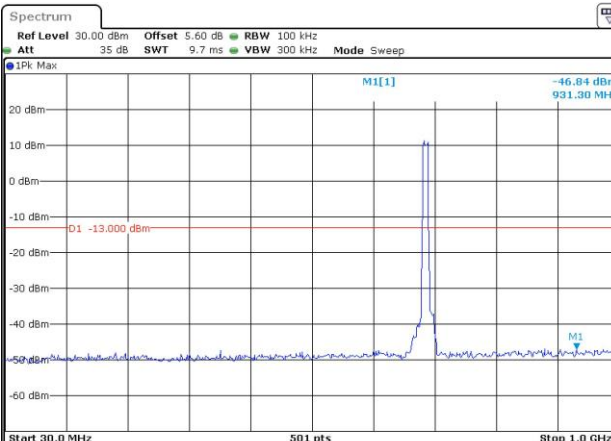
Middle



Date: 7.FEB.2023 17:16:34

Date: 7.FEB.2023 17:17:04

Highest



Date: 7.FEB.2023 17:18:42

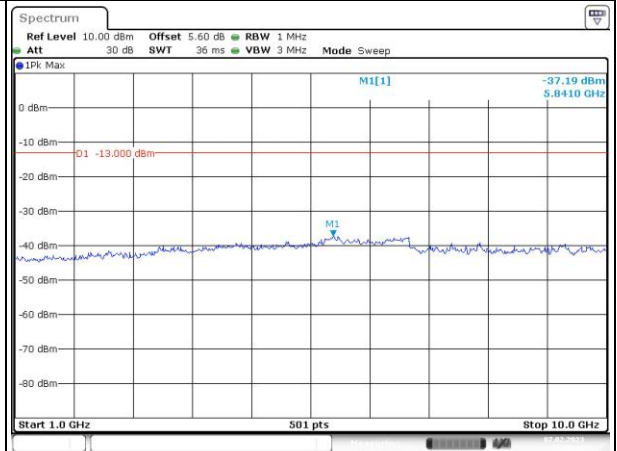
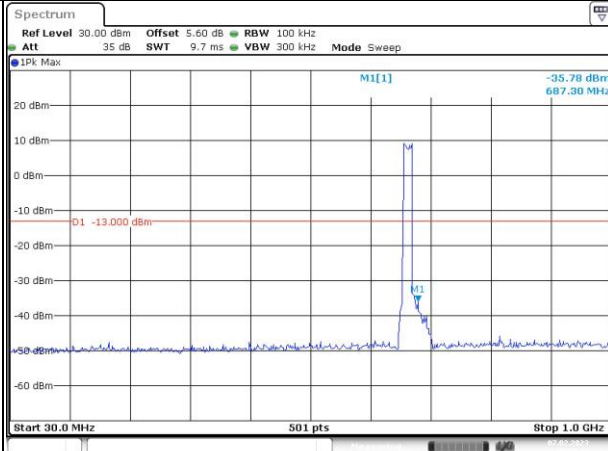
Date: 7.FEB.2023 17:19:12

### Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

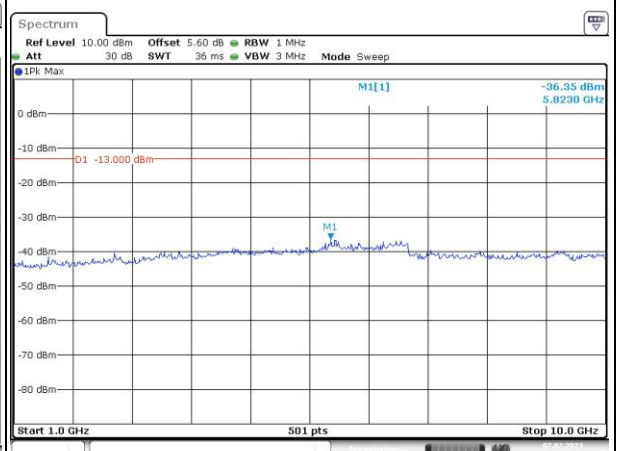
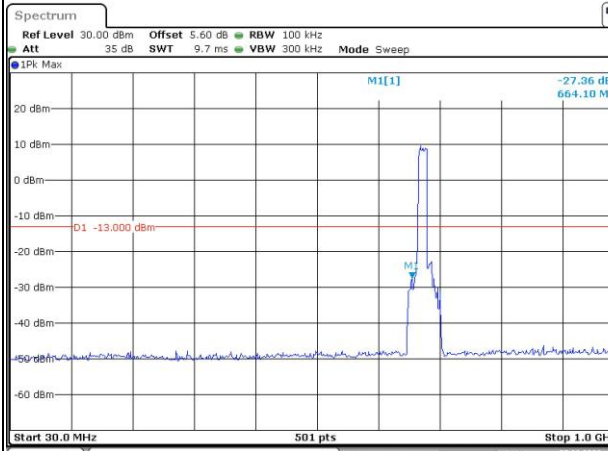
Lowest



Date: 7.FEB.2023 17:20:19

Date: 7.FEB.2023 17:20:49

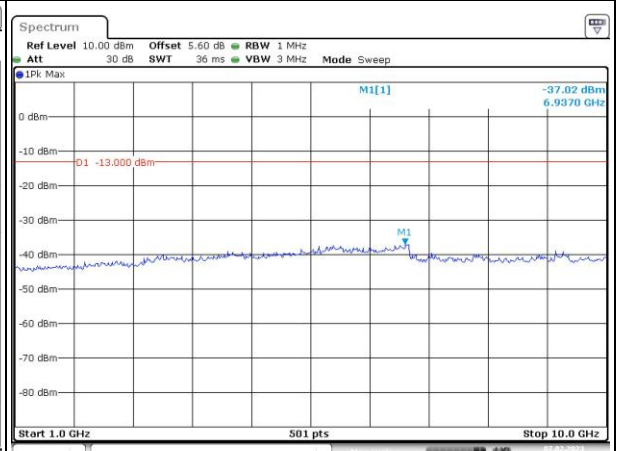
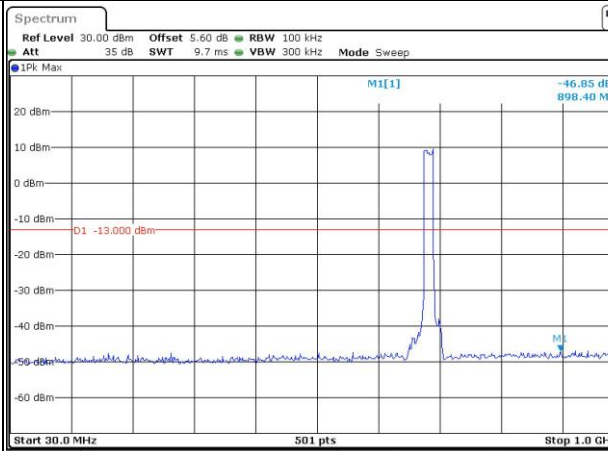
Middle



Date: 7.FEB.2023 17:22:12

Date: 7.FEB.2023 17:22:42

Highest



Date: 7.FEB.2023 17:24:05

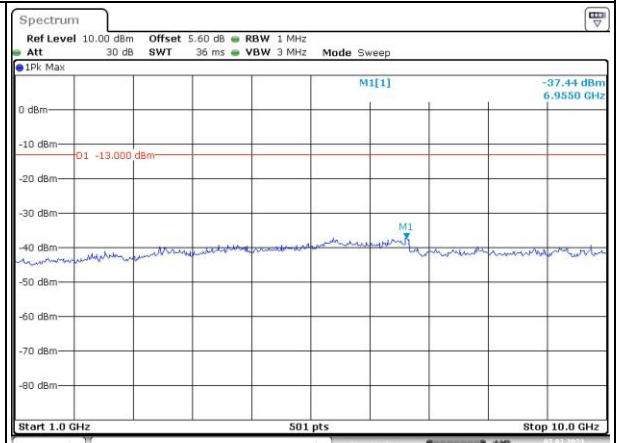
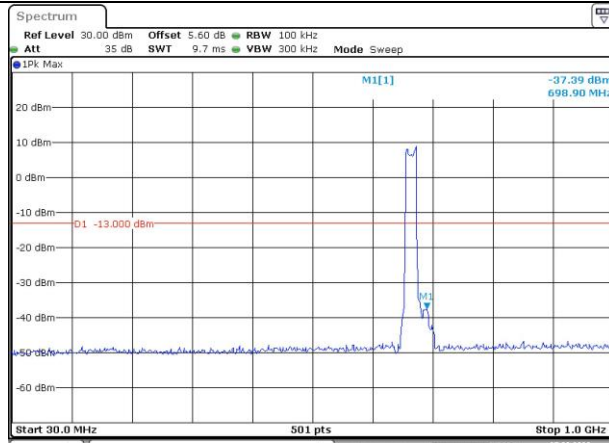
Date: 7.FEB.2023 17:24:39

### Spurious Emissions at Antenna Terminal

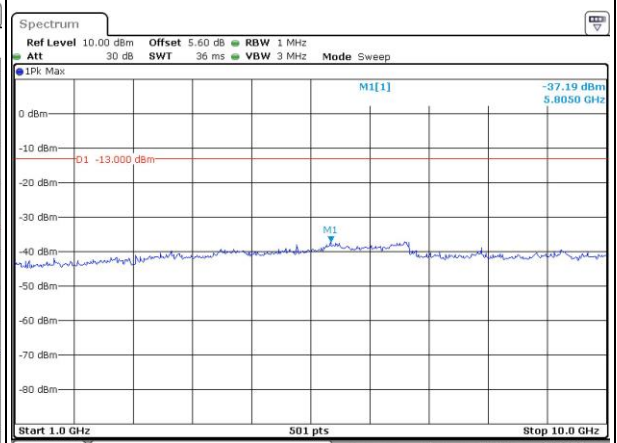
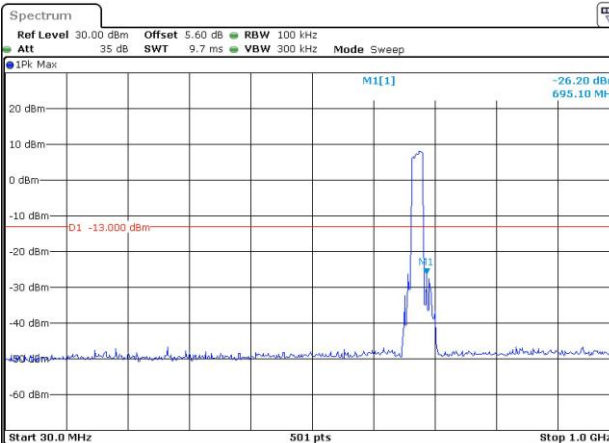
Channel

20MHz Bandwidth QPSK

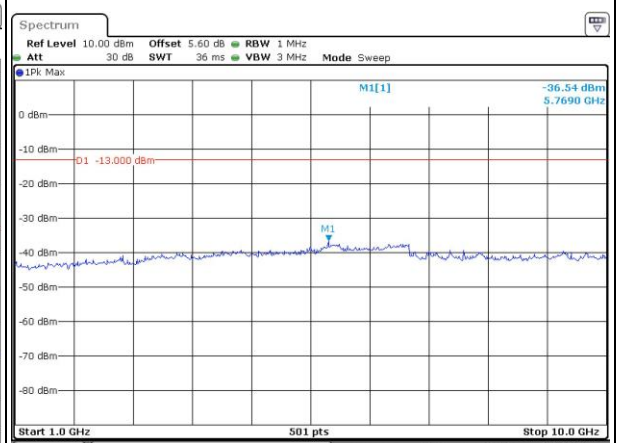
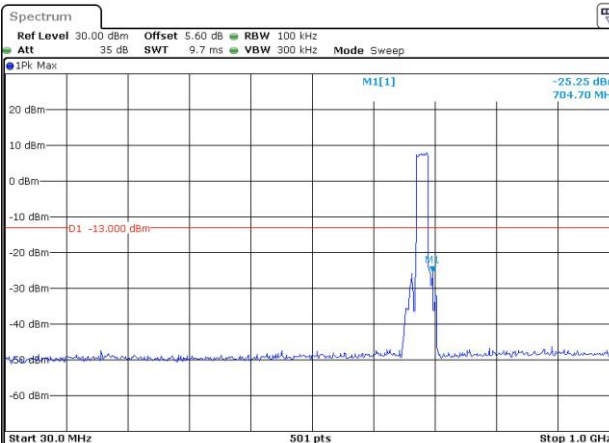
Lowest



Middle

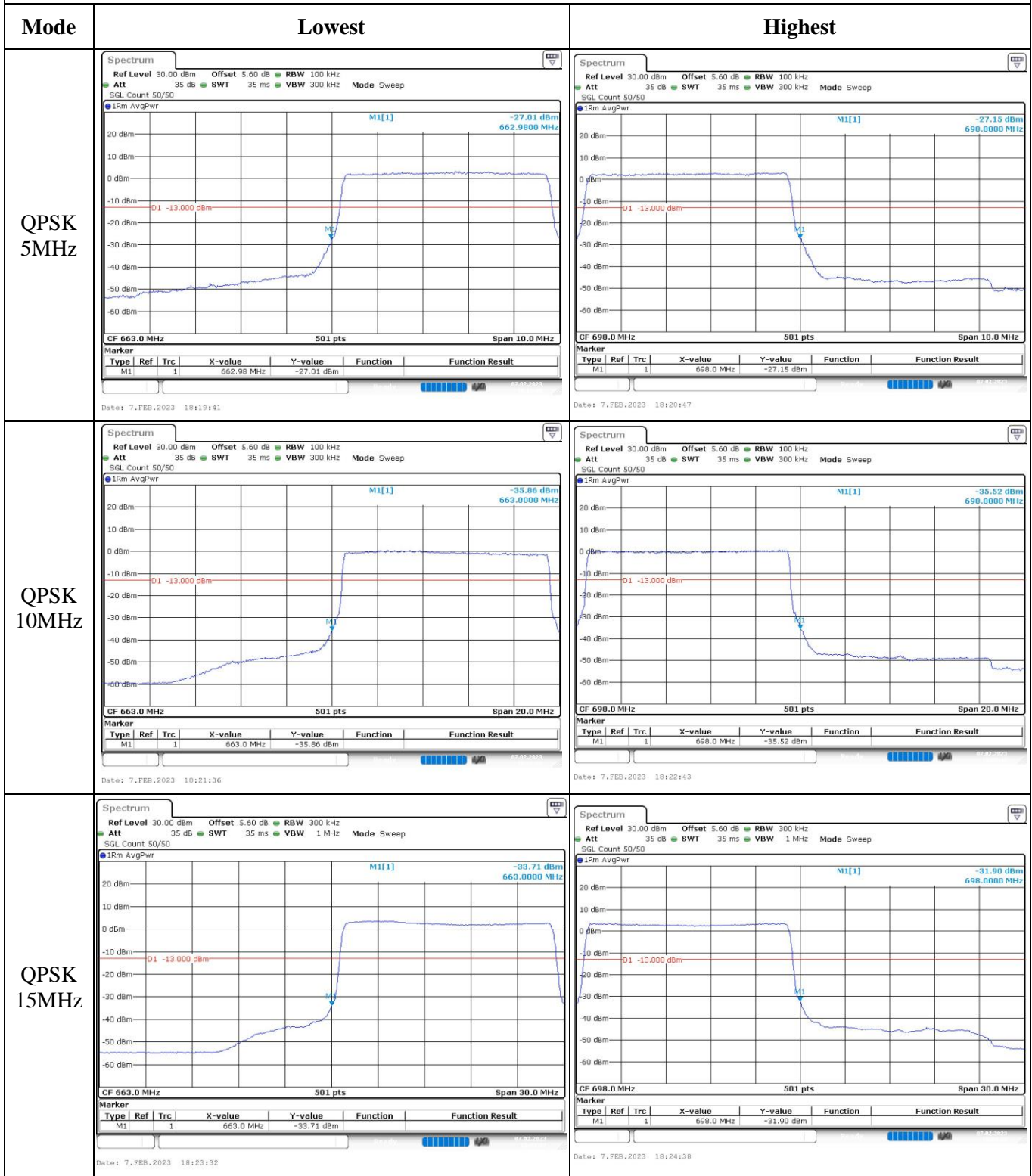


Highest

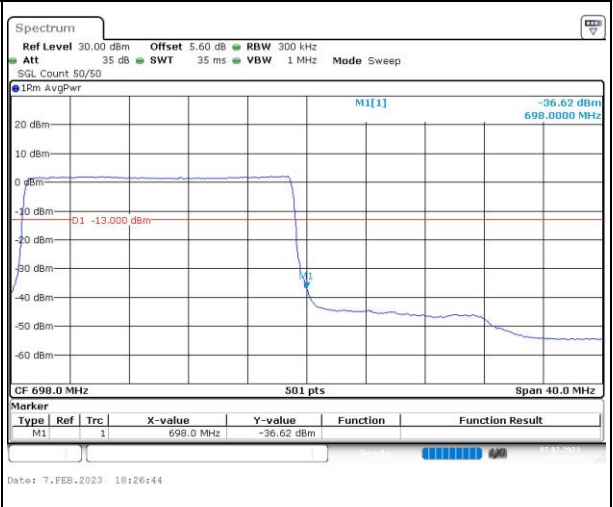
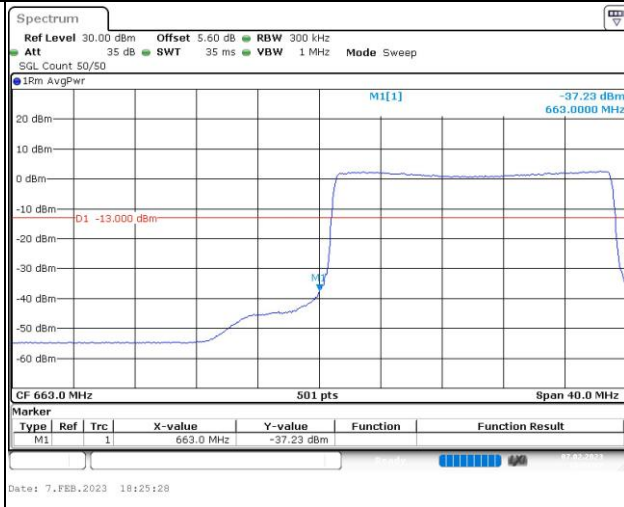




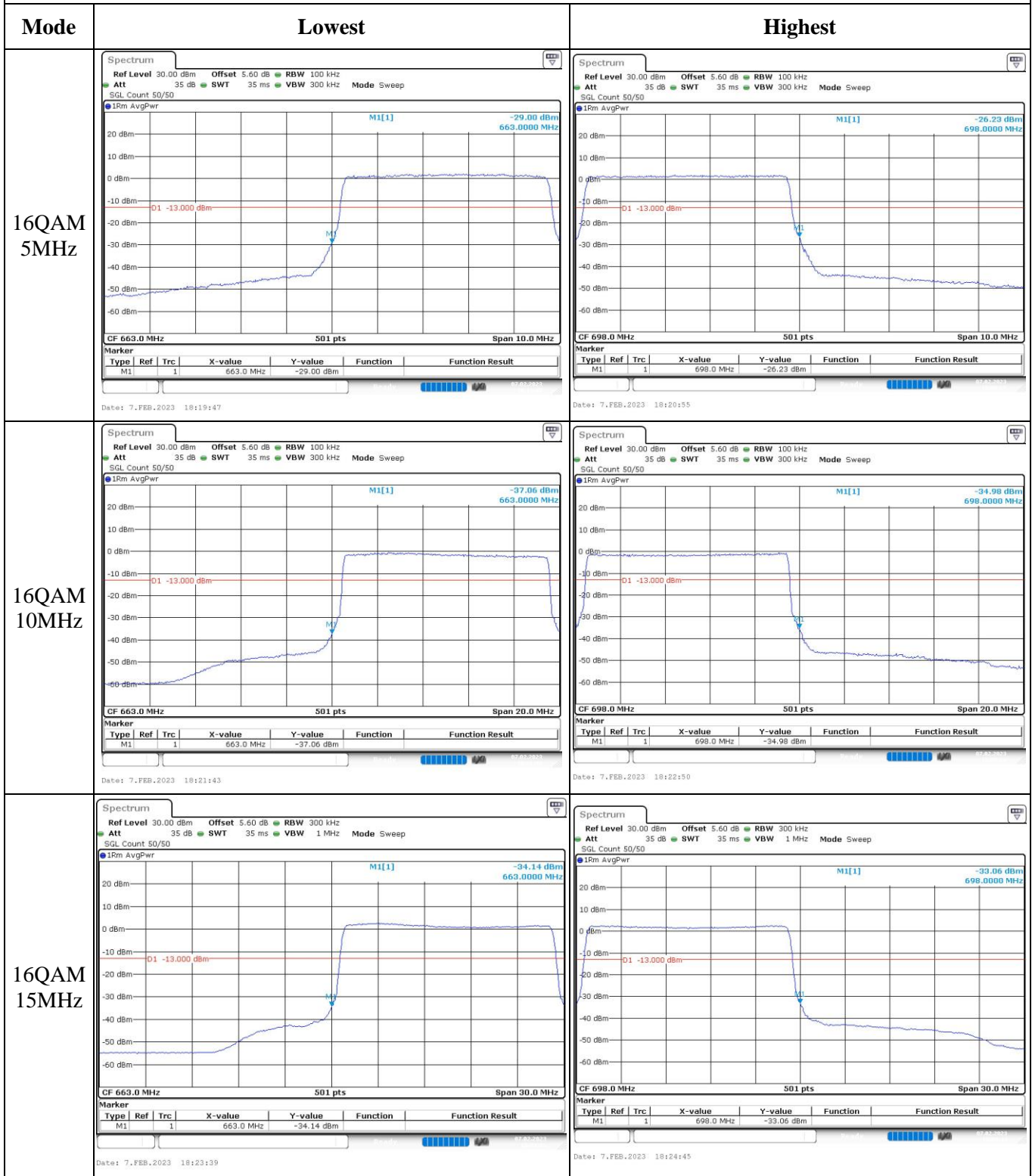
Out of band emission, Band Edge



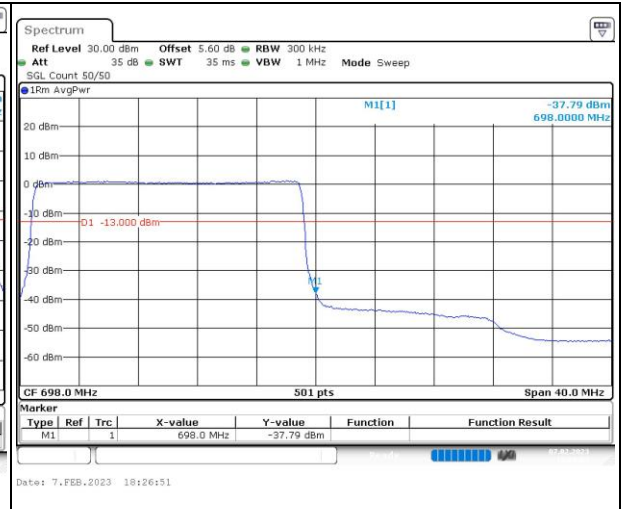
QPSK  
20MHz



Out of band emission, Band Edge



16QAM  
20MHz





**4.11 Radiated Spurious Emissions**

Serial Number:	1ZWQ	Test Date:	2023/2/15~2023/2/17
Test Site:	966-1,966-2	Test Mode:	Transmitting
Tester:	coco Tian, Carl Xue	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	24.3~24.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	102.3~102.5
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/08/07	2023/08/06
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

\* **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 $\mu$ 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								
192.02	H	20.20	-61.04	0.00	0.26	-61.30	-13.00	48.30
251.47	V	21.12	-58.71	0.00	0.30	-59.01	-13.00	46.01
1648.400	H	46.98	-57.35	8.68	0.80	-49.47	-13.00	36.47
1648.400	V	60.82	-43.59	8.68	0.80	-35.71	-13.00	22.71
2472.600	H	46.61	-54.17	9.38	1.00	-45.79	-13.00	32.79
2472.600	V	55.97	-44.76	9.38	1.00	-36.38	-13.00	23.38
3296.800	H	36.38	-60.30	10.32	1.15	-51.13	-13.00	38.13
3296.800	V	36.52	-59.92	10.32	1.15	-50.75	-13.00	37.75
GSM 850 Frequency:836.6MHz								
530.34	H	20.70	-54.53	0.00	0.45	-54.98	-13.00	41.98
719.31	V	20.63	-48.87	0.00	0.49	-49.36	-13.00	36.36
1673.200	H	47.57	-56.74	8.71	0.85	-48.88	-13.00	35.88
1673.200	V	61.78	-42.63	8.71	0.85	-34.77	-13.00	21.77
2509.800	H	45.24	-55.37	9.42	1.01	-46.96	-13.00	33.96
2509.800	V	48.91	-51.71	9.42	1.01	-43.30	-13.00	30.30
3346.400	H	34.30	-62.87	10.34	1.16	-53.69	-13.00	40.69
3346.400	V	34.69	-62.34	10.34	1.16	-53.16	-13.00	40.16
GSM 850 Frequency:848.8MHz								
711.80	H	21.02	-52.06	0.00	0.51	-52.57	-13.00	39.57
108.87	V	20.53	-54.55	0.00	0.19	-54.74	-13.00	41.74
1697.600	H	44.52	-59.77	8.74	0.90	-51.93	-13.00	38.93
1697.600	V	58.16	-46.26	8.74	0.90	-38.42	-13.00	25.42
2546.400	H	42.75	-57.58	9.47	1.01	-49.12	-13.00	36.12
2546.400	V	51.26	-49.02	9.47	1.01	-40.56	-13.00	27.56
3395.200	H	36.84	-60.85	10.36	1.19	-51.68	-13.00	38.68
3395.200	V	35.61	-62.05	10.36	1.19	-52.88	-13.00	39.88

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
670.49	H	21.03	-52.45	0.00	0.50	-52.95	-13.00	39.95
726.75	V	21.58	-47.76	0.00	0.52	-48.28	-13.00	35.28
1652.800	H	38.57	-65.76	8.68	0.81	-57.89	-13.00	44.89
1652.800	V	37.53	-66.88	8.68	0.81	-59.01	-13.00	46.01
2479.200	H	39.38	-61.38	9.39	1.01	-53.00	-13.00	40.00
2479.200	V	38.72	-62.01	9.39	1.01	-53.63	-13.00	40.63
3305.600	H	37.36	-59.37	10.32	1.15	-50.20	-13.00	37.20
3305.600	V	37.32	-59.18	10.32	1.15	-50.01	-13.00	37.01
WCDMA Band 5 Frequency:836.6MHz								
494.35	H	21.80	-54.15	0.00	0.45	-54.60	-13.00	41.60
721.68	V	21.77	-47.68	0.00	0.50	-48.18	-13.00	35.18
1673.200	H	37.62	-66.69	8.71	0.85	-58.83	-13.00	45.83
1673.200	V	37.36	-67.05	8.71	0.85	-59.19	-13.00	46.19
2509.800	H	37.67	-62.94	9.42	1.01	-54.53	-13.00	41.53
2509.800	V	37.63	-62.99	9.42	1.01	-54.58	-13.00	41.58
3346.400	H	37.14	-60.03	10.34	1.16	-50.85	-13.00	37.85
WCDMA Band 5 Frequency:846.6MHz								
711.64	H	21.07	-52.01	0.00	0.51	-52.52	-13.00	39.52
704.20	V	21.28	-48.55	0.00	0.55	-49.10	-13.00	36.10
1693.200	H	38.24	-66.06	8.73	0.89	-58.22	-13.00	45.22
1693.200	V	37.90	-66.52	8.73	0.89	-58.68	-13.00	45.68
2539.800	H	37.54	-62.84	9.46	1.01	-54.39	-13.00	41.39
2539.800	V	37.23	-63.11	9.46	1.01	-54.66	-13.00	41.66
3386.400	H	39.43	-58.16	10.35	1.18	-48.99	-13.00	35.99
3386.400	V	38.70	-58.84	10.35	1.18	-49.67	-13.00	36.67

## PCS Band (PART 24E)

## 30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
93.99	H	31.48	-81.29	0.00	0.18	-81.47	-13.00	68.47
169.31	V	36.56	-72.46	0.00	0.24	-72.70	-13.00	59.70
3700.400	H	44.33	-52.99	10.60	1.25	-43.64	-13.00	30.64
3700.400	V	49.94	-47.36	10.60	1.25	-38.01	-13.00	25.01
5550.600	H	52.93	-40.33	11.44	1.49	-30.38	-13.00	17.38
5550.600	V	52.06	-41.04	11.44	1.49	-31.09	-13.00	18.09
GSM 1900 Frequency:1880MHz								
68.15	H	31.70	-72.10	-5.98	0.15	-78.23	-13.00	65.23
42.01	V	36.64	-55.78	-23.75	0.12	-79.65	-13.00	66.65
3760.000	H	45.40	-51.01	10.66	1.24	-41.59	-13.00	28.59
3760.000	V	53.49	-42.80	10.66	1.24	-33.38	-13.00	20.38
5640.000	H	52.49	-40.96	11.33	1.54	-31.17	-13.00	18.17
5640.000	V	52.68	-40.65	11.33	1.54	-30.86	-13.00	17.86
GSM 1900 Frequency:1909.8MHz								
280.40	H	30.65	-80.53	0.00	0.32	-80.85	-13.00	67.85
514.01	V	37.37	-65.46	0.00	0.44	-65.90	-13.00	52.90
3819.600	H	45.51	-50.35	10.72	1.29	-40.92	-13.00	27.92
3819.600	V	55.32	-40.40	10.72	1.29	-30.97	-13.00	17.97
5729.400	H	49.13	-44.35	11.22	1.59	-34.72	-13.00	21.72
5729.400	V	49.80	-43.56	11.22	1.59	-33.93	-13.00	20.93



Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
623.20	H	30.51	-74.25	0.00	0.48	-74.73	-13.00	61.73
31.18	V	38.16	-42.94	-25.76	0.10	-68.80	-13.00	55.80
3704.800	H	40.46	-56.80	10.60	1.25	-47.45	-13.00	34.45
3704.800	V	40.12	-57.11	10.60	1.25	-47.76	-13.00	34.76
5557.200	H	51.68	-41.60	11.43	1.49	-31.66	-13.00	18.66
5557.200	V	46.00	-47.13	11.43	1.49	-37.19	-13.00	24.19
WCDMA Band II, Frequency:1880 MHz								
69.05	H	30.13	-73.66	-5.50	0.15	-79.31	-13.00	66.31
68.15	V	36.59	-66.65	-5.98	0.15	-72.78	-13.00	59.78
3760.000	H	42.01	-54.40	10.66	1.24	-44.98	-13.00	31.98
3760.000	V	41.41	-54.88	10.66	1.24	-45.46	-13.00	32.46
5640.000	H	49.51	-43.94	11.33	1.54	-34.15	-13.00	21.15
5640.000	V	46.26	-47.07	11.33	1.54	-37.28	-13.00	24.28
WCDMA Band II, Frequency:1907.6MHz								
38.59	H	29.68	-52.74	-25.72	0.11	-78.57	-13.00	65.57
31.18	V	37.32	-43.78	-25.76	0.10	-69.64	-13.00	56.64
3815.200	H	44.43	-51.42	10.72	1.29	-41.99	-13.00	28.99
3815.200	V	44.85	-50.84	10.72	1.29	-41.41	-13.00	28.41
5722.800	H	50.80	-42.69	11.23	1.58	-33.04	-13.00	20.04
5722.800	V	47.28	-46.07	11.23	1.58	-36.42	-13.00	23.42

## AWS Band(Part 27)

## 30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
70.26	H	30.05	-73.89	-4.87	0.15	-78.91	-13.00	65.91
31.18	V	37.27	-43.83	-25.76	0.10	-69.69	-13.00	56.69
3424.800	H	39.79	-57.98	10.37	1.17	-48.78	-13.00	35.78
3424.800	V	38.60	-59.14	10.37	1.17	-49.94	-13.00	36.94
5137.200	H	40.44	-53.18	11.28	1.46	-43.36	-13.00	30.36
5137.200	V	39.50	-54.00	11.28	1.46	-44.18	-13.00	31.18
WCDMA Band IV, Frequency:1732.6 MHz								
59.42	H	29.72	-73.99	-10.57	0.14	-84.70	-13.00	71.70
43.81	V	37.04	-57.72	-21.37	0.12	-79.21	-13.00	66.21
3465.200	H	38.40	-59.41	10.39	1.15	-50.17	-13.00	37.17
3465.200	V	38.79	-58.98	10.39	1.15	-49.74	-13.00	36.74
5197.800	H	39.68	-54.45	11.32	1.44	-44.57	-13.00	31.57
5197.800	V	40.40	-53.58	11.32	1.44	-43.70	-13.00	30.70
WCDMA Band IV, Frequency:1752.6MHz								
192.80	H	29.49	-83.26	0.00	0.26	-83.52	-13.00	70.52
42.90	V	37.49	-56.09	-22.57	0.12	-78.78	-13.00	65.78
3505.200	H	38.91	-58.92	10.41	1.18	-49.69	-13.00	36.69
3505.200	V	38.76	-59.01	10.41	1.18	-49.78	-13.00	36.78
5257.800	H	39.76	-53.97	11.35	1.47	-44.09	-13.00	31.09
5257.800	V	39.02	-54.49	11.35	1.47	-44.61	-13.00	31.61

**LTE Bands:**  
(The Worst modulation and bandwidth was below)

**LTE Band 2 (30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1850.7 MHz								
70.51	H	30.62	-73.47	-4.75	0.15	-78.37	-13.00	65.37
68.39	V	37.22	-65.94	-5.85	0.15	-71.94	-13.00	58.94
3701.400	H	40.32	-56.99	10.60	1.25	-47.64	-13.00	34.64
3701.400	V	37.99	-59.30	10.60	1.25	-49.95	-13.00	36.95
5552.100	H	46.39	-46.88	11.44	1.49	-36.93	-13.00	23.93
5552.100	V	38.46	-54.64	11.44	1.49	-44.69	-13.00	31.69
QPSK, Frequency: 1880 MHz								
69.59	H	31.46	-72.32	-5.22	0.15	-77.69	-13.00	64.69
68.39	V	37.11	-66.05	-5.85	0.15	-72.05	-13.00	59.05
3760.000	H	39.07	-57.34	10.66	1.24	-47.92	-13.00	34.92
3760.000	V	38.95	-57.34	10.66	1.24	-47.92	-13.00	34.92
5640.000	H	44.60	-48.85	11.33	1.54	-39.06	-13.00	26.06
5640.000	V	42.28	-51.05	11.33	1.54	-41.26	-13.00	28.26
QPSK, Frequency: 1909.3 MHz								
74.38	H	30.29	-76.12	-2.81	0.16	-79.09	-13.00	66.09
68.15	V	37.98	-65.26	-5.98	0.15	-71.39	-13.00	58.39
3818.600	H	47.78	-48.08	10.72	1.29	-38.65	-13.00	25.65
3818.600	V	51.85	-43.86	10.72	1.29	-34.43	-13.00	21.43
5727.900	H	44.33	-49.15	11.23	1.59	-39.51	-13.00	26.51
5727.900	V	42.16	-51.20	11.23	1.59	-41.56	-13.00	28.56

**LTE Band 4 (30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
70.82	H	30.79	-73.48	-4.59	0.15	-78.22	-13.00	65.22
68.63	V	37.53	-65.55	-5.73	0.15	-71.43	-13.00	58.43
3421.400	H	37.67	-60.09	10.37	1.17	-50.89	-13.00	37.89
3421.400	V	38.90	-58.83	10.37	1.17	-49.63	-13.00	36.63
5132.100	H	35.69	-57.88	11.28	1.47	-48.07	-13.00	35.07
5132.100	V	36.25	-57.21	11.28	1.47	-47.40	-13.00	34.40
QPSK, Frequency: 1732.5 MHz								
74.32	H	30.56	-75.81	-2.84	0.16	-78.81	-13.00	65.81
68.39	V	37.64	-65.52	-5.85	0.15	-71.52	-13.00	58.52
3465.000	H	37.42	-60.39	10.39	1.15	-51.15	-13.00	38.15
3465.000	V	44.56	-53.21	10.39	1.15	-43.97	-13.00	30.97
5197.500	H	39.04	-55.09	11.32	1.44	-45.21	-13.00	32.21
5197.500	V	38.83	-55.15	11.32	1.44	-45.27	-13.00	32.27
QPSK, Frequency: 1754.3MHz								
68.72	H	31.69	-72.10	-5.68	0.15	-77.93	-13.00	64.93
68.15	V	37.70	-65.54	-5.98	0.15	-71.67	-13.00	58.67
3508.600	H	37.62	-60.20	10.41	1.19	-50.98	-13.00	37.98
3508.600	V	37.56	-60.20	10.41	1.19	-50.98	-13.00	37.98
5262.900	H	38.23	-55.47	11.36	1.47	-45.58	-13.00	32.58
5262.900	V	36.18	-57.29	11.36	1.47	-47.40	-13.00	34.40



**LTE Band 12 (30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
568.73	H	20.61	-53.87	0.00	0.46	-54.33	-13.00	41.33
614.30	V	20.90	-50.57	0.00	0.48	-51.05	-13.00	38.05
1399.400	H	38.81	-64.89	8.22	0.71	-57.38	-13.00	44.38
1399.400	V	35.62	-68.13	8.22	0.71	-60.62	-13.00	47.62
2099.100	H	50.01	-51.87	9.16	0.91	-43.62	-13.00	30.62
2099.100	V	51.07	-50.76	9.16	0.91	-42.51	-13.00	29.51
2798.800	H	36.56	-63.37	9.88	1.04	-54.53	-13.00	41.53
2798.800	V	35.56	-64.24	9.88	1.04	-55.40	-13.00	42.40
QPSK, Frequency: 707.5 MHz								
494.37	H	20.66	-55.28	0.00	0.45	-55.73	-13.00	42.73
580.81	V	20.65	-51.05	0.00	0.46	-51.51	-13.00	38.51
1415.000	H	35.19	-68.48	8.26	0.72	-60.94	-13.00	47.94
1415.000	V	41.78	-61.94	8.26	0.72	-54.40	-13.00	41.40
2122.500	H	55.88	-46.11	9.17	0.92	-37.86	-13.00	24.86
2122.500	V	51.23	-50.74	9.17	0.92	-42.49	-13.00	29.49
2830.000	H	37.02	-62.78	9.93	1.06	-53.91	-13.00	40.91
2830.000	V	37.03	-62.70	9.93	1.06	-53.83	-13.00	40.83
QPSK, Frequency: 715.3 MHz								
578.78	H	20.96	-53.32	0.00	0.46	-53.78	-13.00	40.78
601.52	V	20.55	-51.15	0.00	0.51	-51.66	-13.00	38.66
1430.600	H	39.71	-63.92	8.31	0.73	-56.34	-13.00	43.34
1430.600	V	38.64	-65.05	8.31	0.73	-57.47	-13.00	44.47
2145.900	H	50.75	-51.35	9.19	0.93	-43.09	-13.00	30.09
2145.900	V	52.79	-49.32	9.19	0.93	-41.06	-13.00	28.06
2861.200	H	37.73	-61.92	9.98	1.07	-53.01	-13.00	40.01
2861.200	V	38.29	-61.38	9.98	1.07	-52.47	-13.00	39.47

**LTE Band 66(30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ 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								
73.61	H	31.31	-74.64	-3.20	0.16	-78.00	-13.00	65.00
68.15	V	38.13	-65.11	-5.98	0.15	-71.24	-13.00	58.24
3421.400	H	37.89	-59.87	10.37	1.17	-50.67	-13.00	37.67
3421.400	V	36.39	-61.34	10.37	1.17	-52.14	-13.00	39.14
5132.100	H	37.53	-56.04	11.28	1.47	-46.23	-13.00	33.23
5132.100	V	41.85	-51.61	11.28	1.47	-41.80	-13.00	28.80
6842.800	H	40.50	-50.94	11.23	1.87	-41.58	-13.00	28.58
6842.800	V	39.43	-51.86	11.23	1.87	-42.50	-13.00	29.50
QPSK, Frequency:1745 MHz								
70.33	H	31.50	-72.48	-4.84	0.15	-77.47	-13.00	64.47
68.15	V	37.71	-65.53	-5.98	0.15	-71.66	-13.00	58.66
3490.000	H	37.79	-60.05	10.40	1.17	-50.82	-13.00	37.82
3490.000	V	36.94	-60.84	10.40	1.17	-51.61	-13.00	38.61
5235.000	H	39.71	-54.19	11.34	1.46	-44.31	-13.00	31.31
5235.000	V	40.31	-53.40	11.34	1.46	-43.52	-13.00	30.52
6980.000	H	40.23	-50.63	11.20	1.90	-41.33	-13.00	28.33
6980.000	V	38.79	-51.92	11.20	1.90	-42.62	-13.00	29.62
QPSK, Frequency: 1779.3 MHz								
70.33	H	31.50	-72.48	-4.84	0.15	-77.47	-13.00	64.47
68.39	V	37.72	-65.44	-5.85	0.15	-71.44	-13.00	58.44
3558.600	H	37.86	-59.81	10.46	1.22	-50.57	-13.00	37.57
3558.600	V	37.89	-59.68	10.46	1.22	-50.44	-13.00	37.44
5337.900	H	37.53	-55.94	11.40	1.47	-46.01	-13.00	33.01
5337.900	V	37.50	-55.83	11.40	1.47	-45.90	-13.00	32.90
7117.200	H	39.09	-50.36	11.13	1.93	-41.16	-13.00	28.16
7117.200	V	37.30	-52.12	11.13	1.93	-42.92	-13.00	29.92

**LTE Band 71(30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 665.5 MHz								
726.74	H	21.29	-51.49	0.00	0.52	-52.01	-13.00	39.01
582.82	V	20.84	-50.86	0.00	0.46	-51.32	-13.00	38.32
1331.000	H	36.12	-66.91	8.03	0.76	-59.64	-13.00	46.64
1331.000	V	34.26	-69.10	8.03	0.76	-61.83	-13.00	48.83
1996.500	H	38.60	-63.56	9.10	0.89	-55.35	-13.00	42.35
1996.500	V	35.66	-65.88	9.10	0.89	-57.67	-13.00	44.67
2662.000	H	40.85	-59.11	9.66	1.06	-50.51	-13.00	37.51
2662.000	V	40.76	-59.12	9.66	1.06	-50.52	-13.00	37.52
5MHz QPSK, Frequency: 680.5 MHz								
572.73	H	20.42	-53.98	0.00	0.46	-54.44	-13.00	41.44
578.76	V	20.66	-51.04	0.00	0.46	-51.50	-13.00	38.50
1361.000	H	36.15	-67.18	8.11	0.77	-59.84	-13.00	46.84
1361.000	V	36.39	-67.14	8.11	0.77	-59.80	-13.00	46.80
2041.500	H	41.85	-60.18	9.12	0.91	-51.97	-13.00	38.97
2041.500	V	42.06	-59.58	9.12	0.91	-51.37	-13.00	38.37
2722.000	H	37.09	-62.88	9.76	1.05	-54.17	-13.00	41.17
2722.000	V	40.00	-59.91	9.76	1.05	-51.20	-13.00	38.20
5MHz QPSK, Frequency: 695.5 MHz								
570.72	H	20.63	-53.81	0.00	0.46	-54.27	-13.00	41.27
566.73	V	20.32	-51.36	0.00	0.46	-51.82	-13.00	38.82
1391.000	H	36.41	-67.21	8.19	0.72	-59.74	-13.00	46.74
1391.000	V	36.59	-67.11	8.19	0.72	-59.64	-13.00	46.64
2086.500	H	43.20	-58.71	9.15	0.91	-50.47	-13.00	37.47
2086.500	V	37.40	-64.39	9.15	0.91	-56.15	-13.00	43.15
2782.000	H	37.16	-62.78	9.85	1.05	-53.98	-13.00	40.98
2782.000	V	38.30	-61.53	9.85	1.05	-52.73	-13.00	39.73

## 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 =====**