

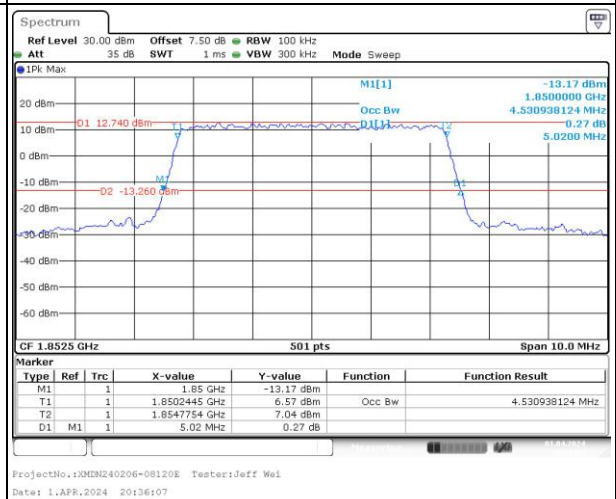
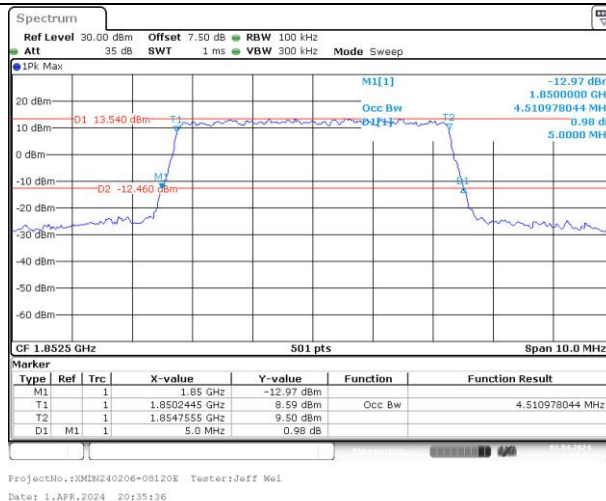
Occupied Bandwidth

Channel

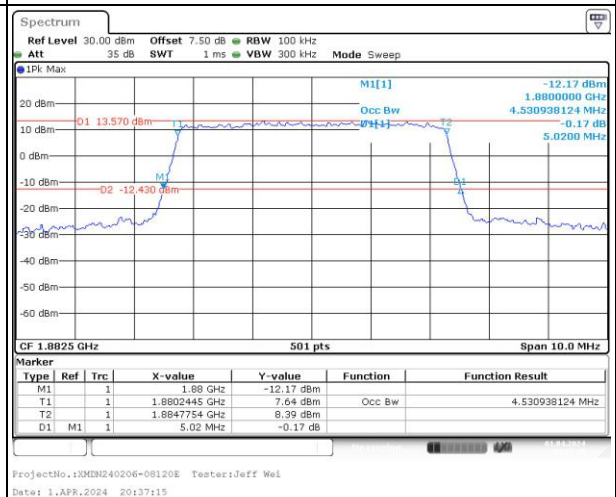
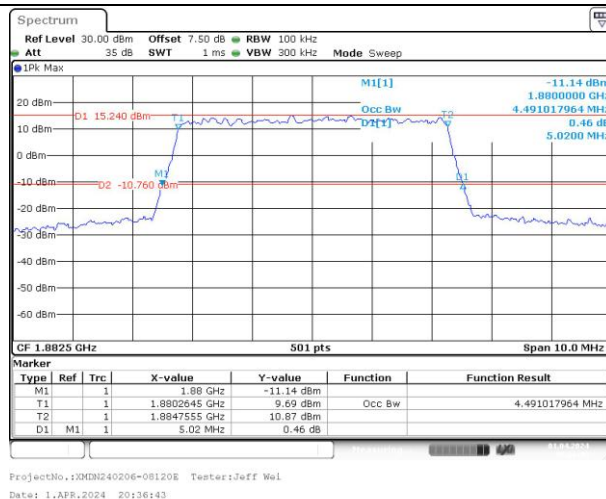
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

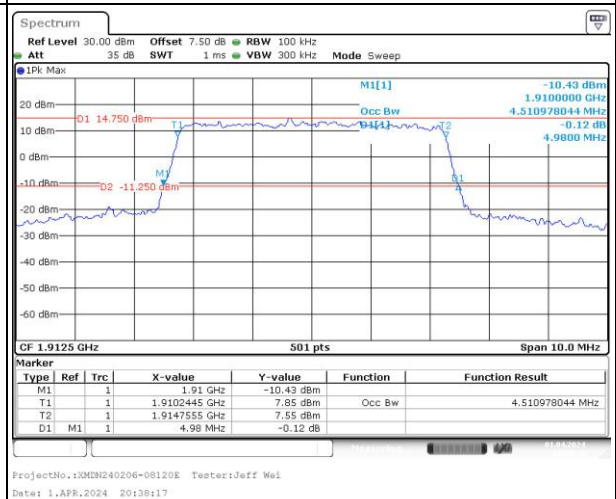
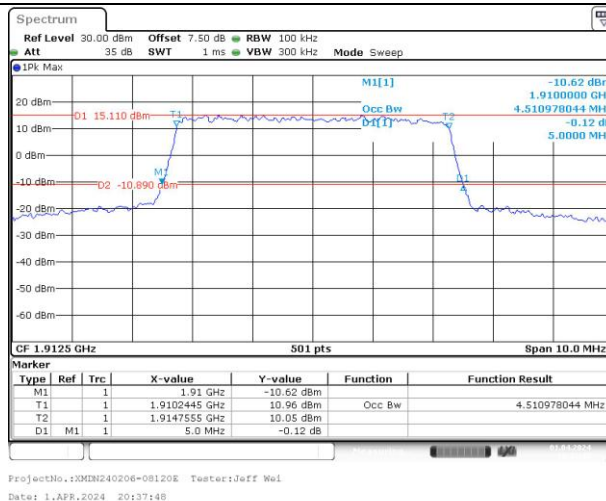
Lowest



Middle



Highest



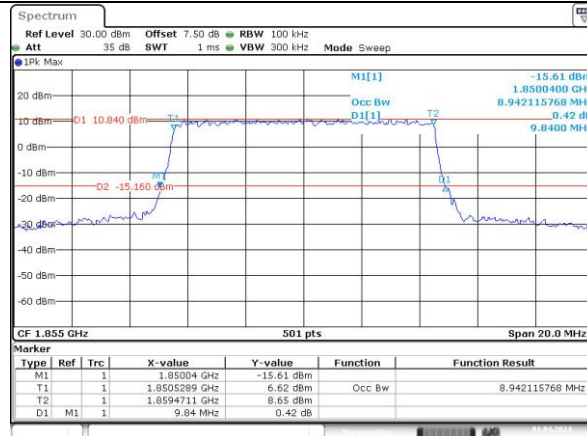
Occupied Bandwidth

Channel

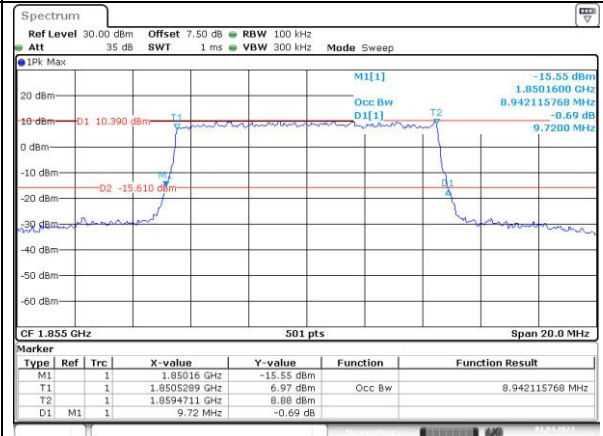
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

Lowest

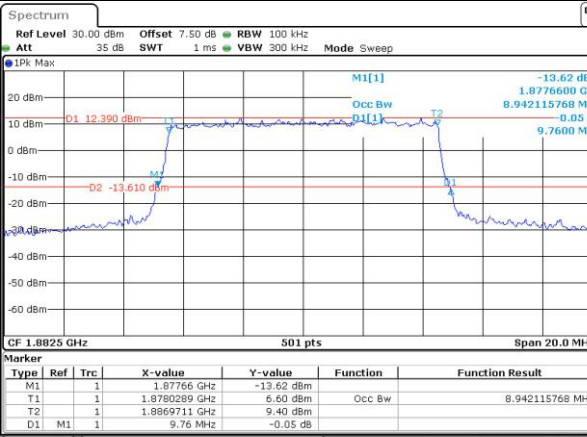


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 1.APR.2024 20:46:13

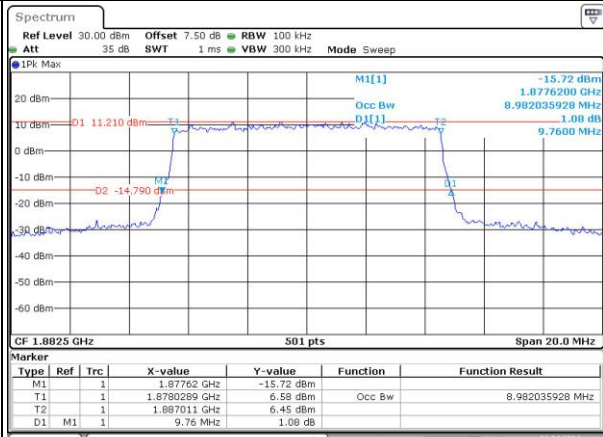


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 1.APR.2024 20:46:49

Middle

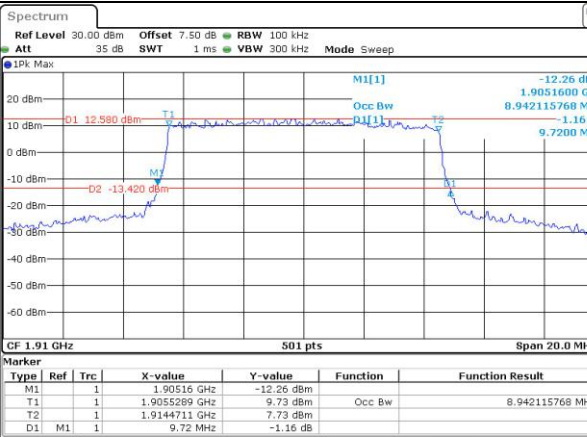


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 1.APR.2024 20:47:23

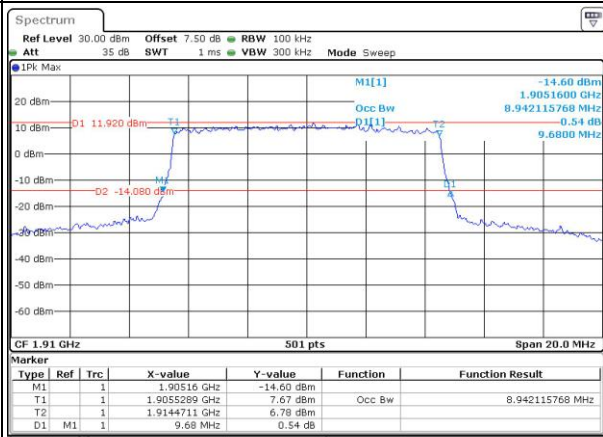


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 1.APR.2024 20:47:56

Highest



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 1.APR.2024 20:48:30



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 1.APR.2024 20:49:06

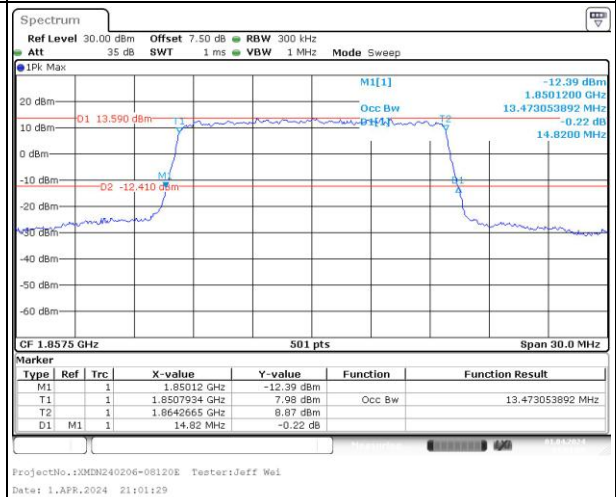
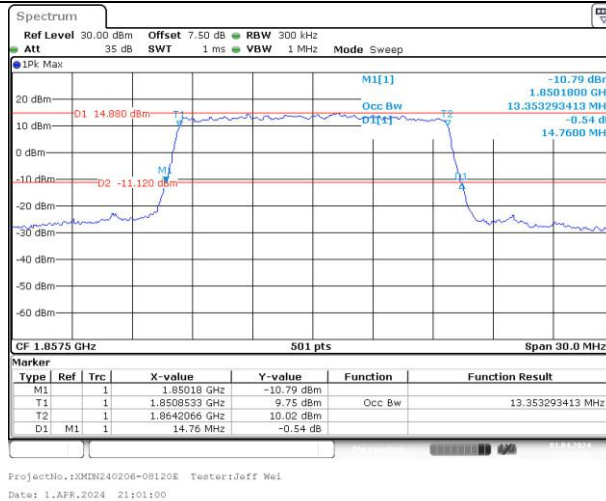
Occupied Bandwidth

Channel

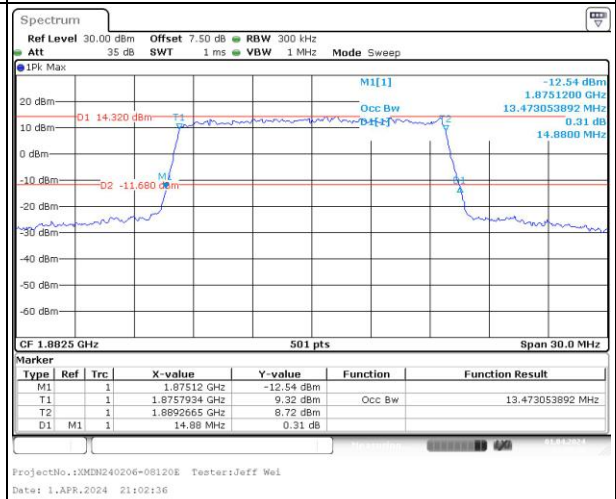
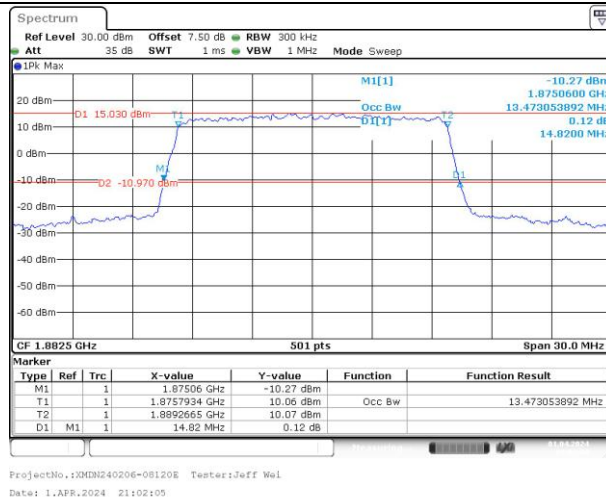
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

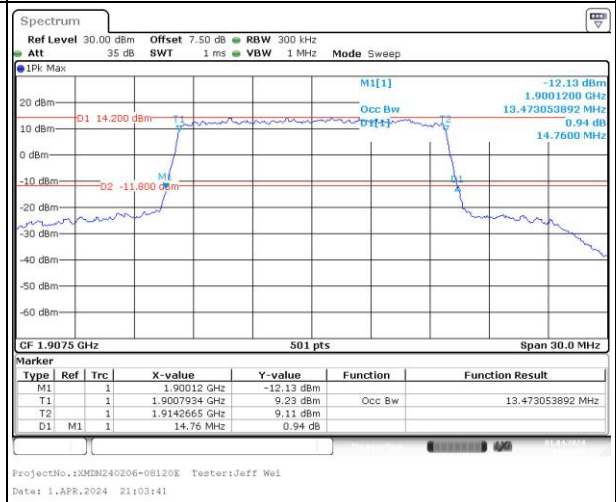
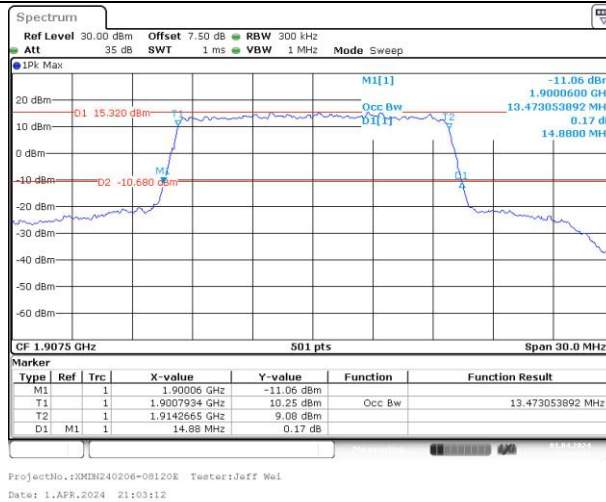
Lowest



Middle



Highest



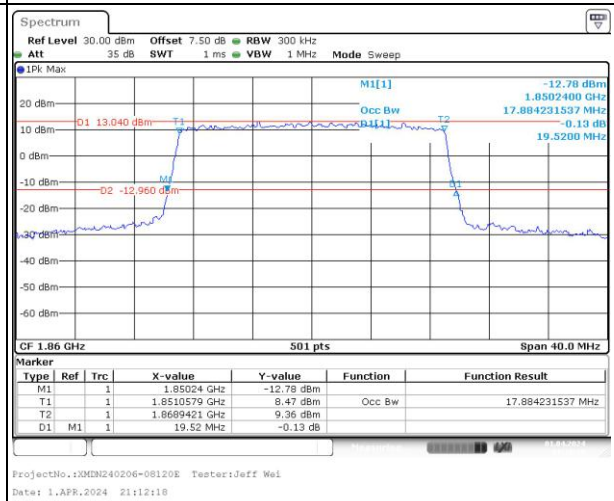
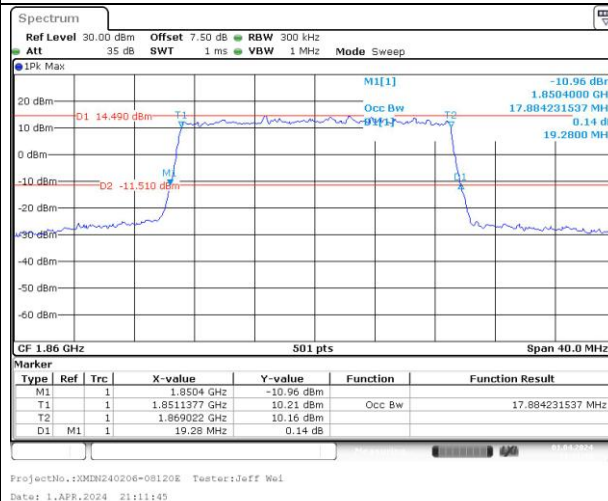
Occupied Bandwidth

Channel

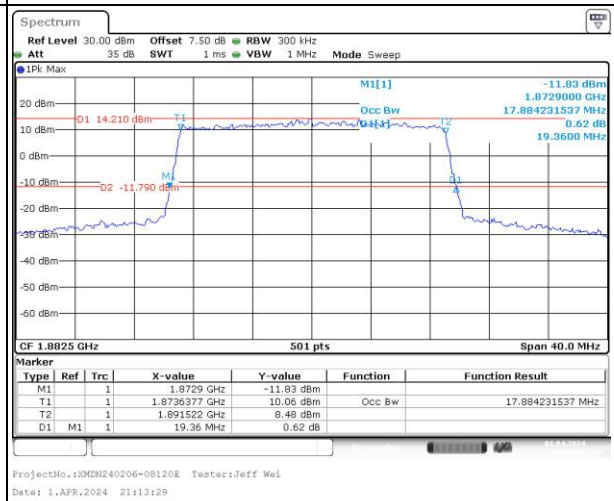
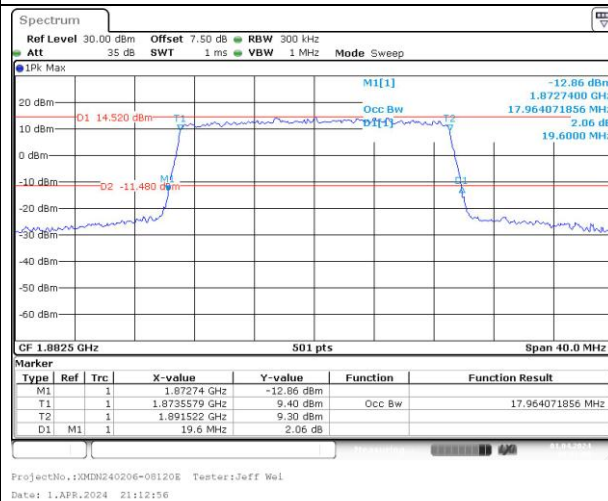
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

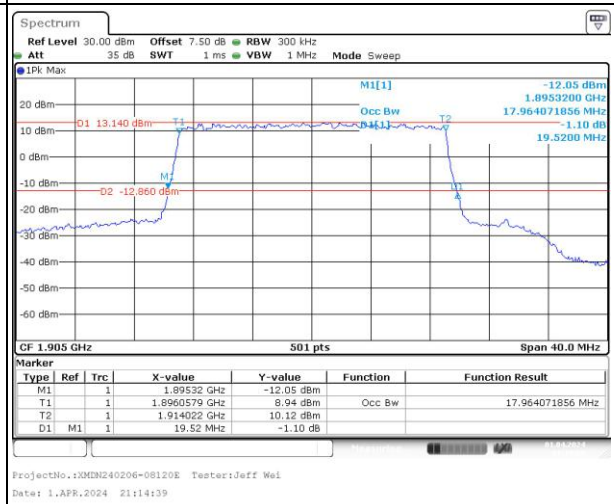
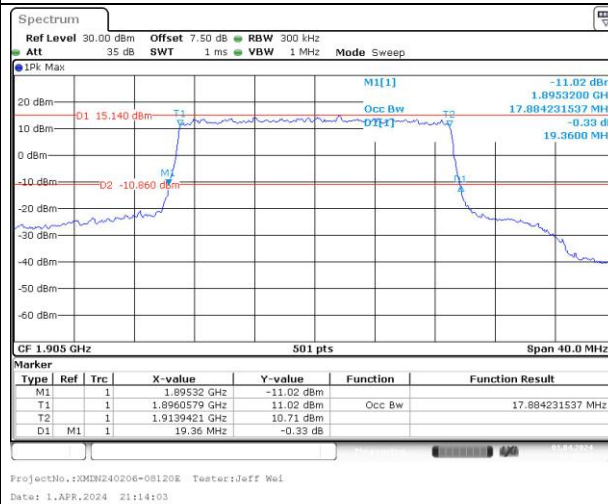
Lowest



Middle



Highest

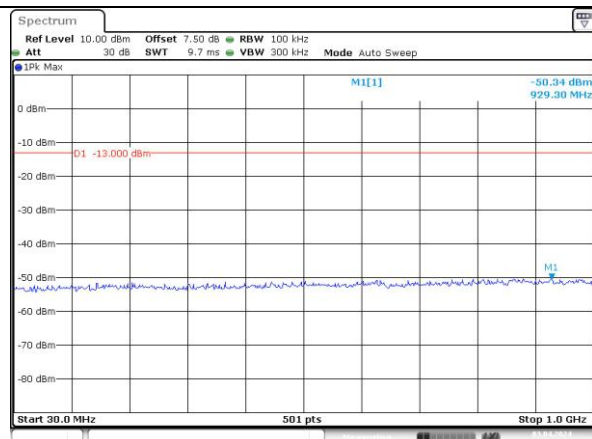


Spurious Emissions at Antenna Terminal

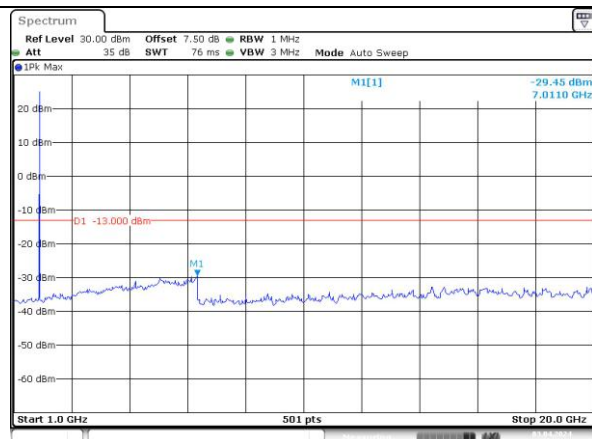
Channel

1.4MHz Bandwidth QPSK

Lowest

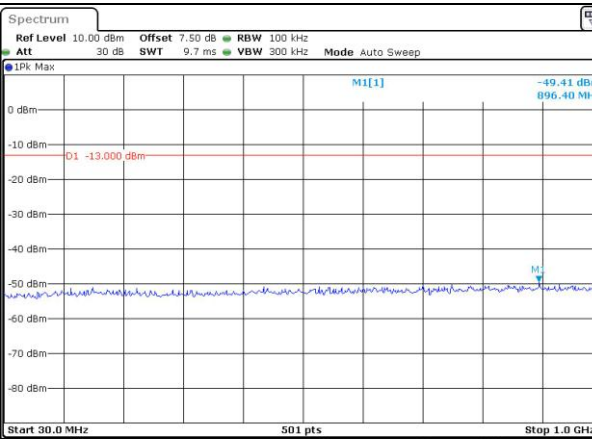


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:26:57

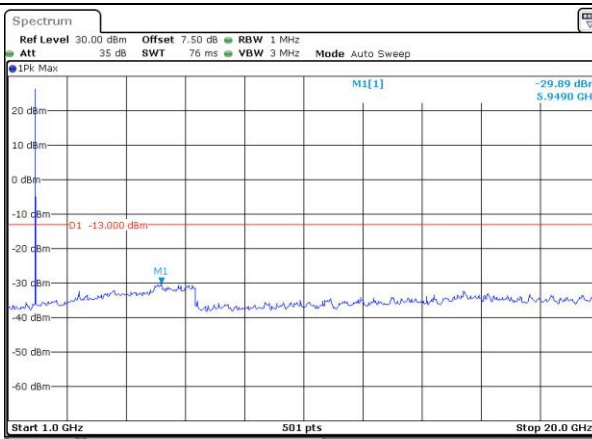


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:27:19

Middle

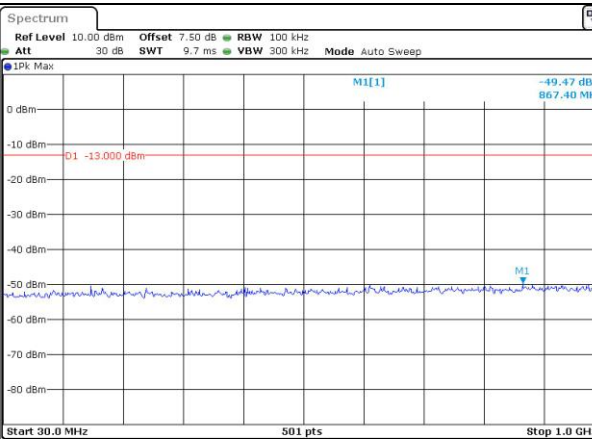


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:04:21

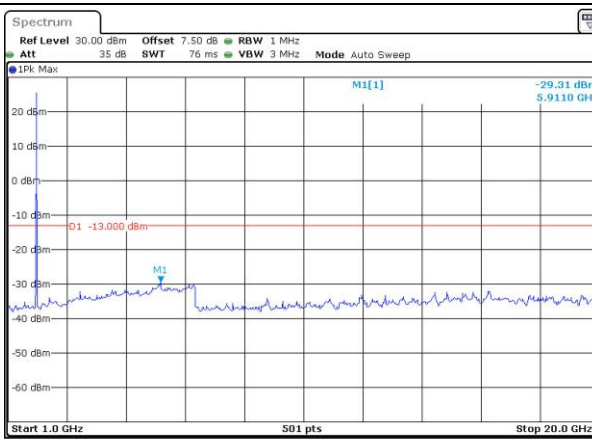


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:04:40

Highest



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:05:19



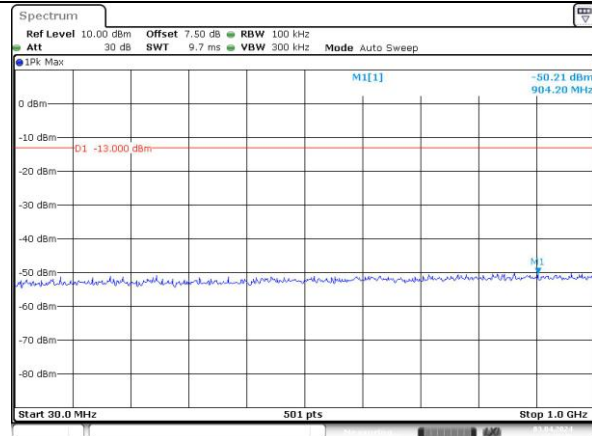
ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:06:07

Spurious Emissions at Antenna Terminal

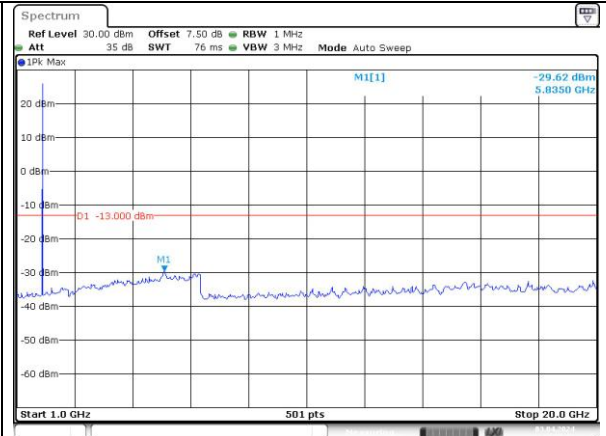
Channel

3MHz Bandwidth QPSK

Lowest

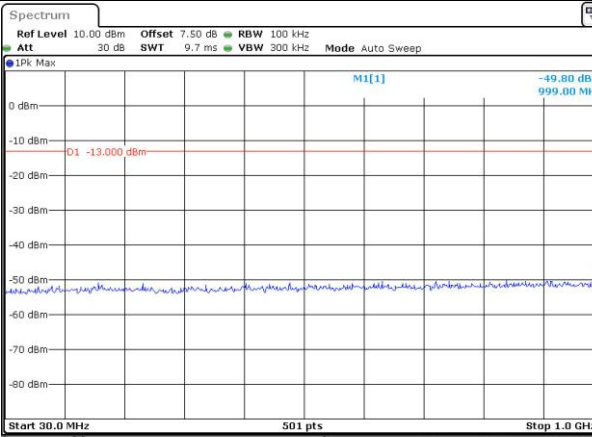


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:20:140

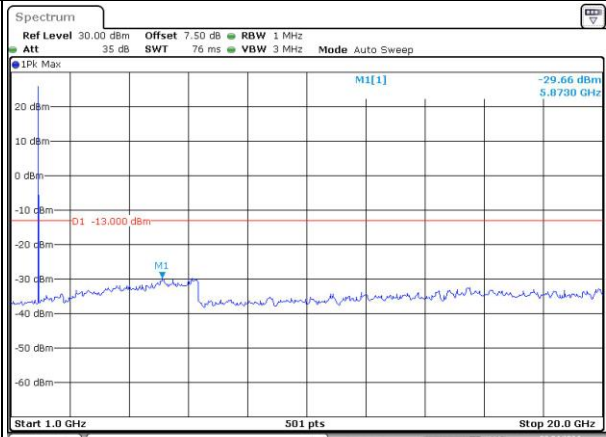


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:21:02

Middle

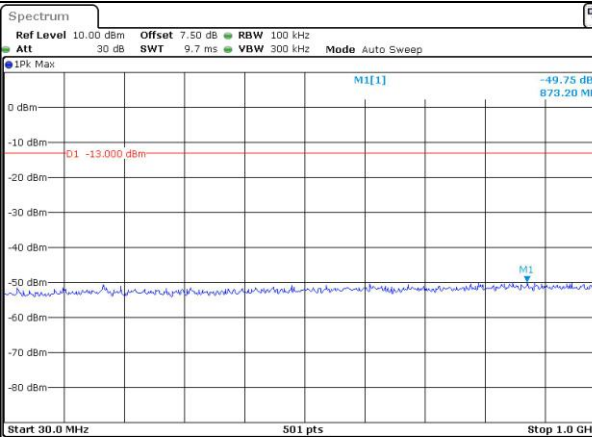


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:21:128

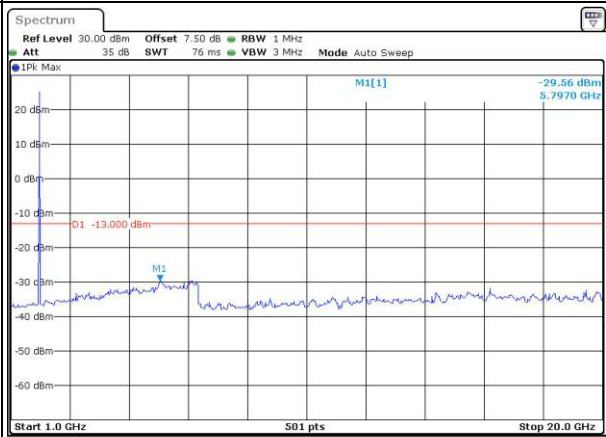


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:22:00

Highest



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:22:132



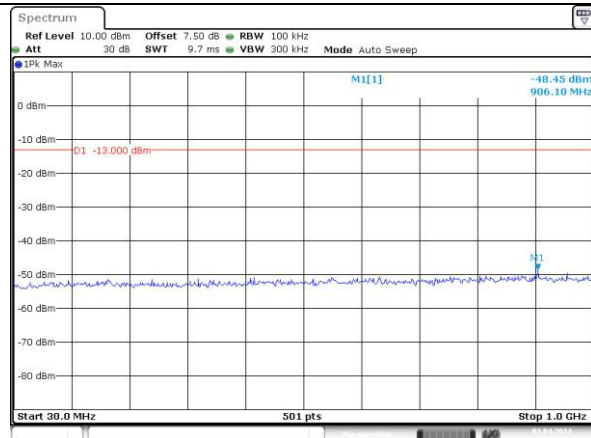
ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:23:00

Spurious Emissions at Antenna Terminal

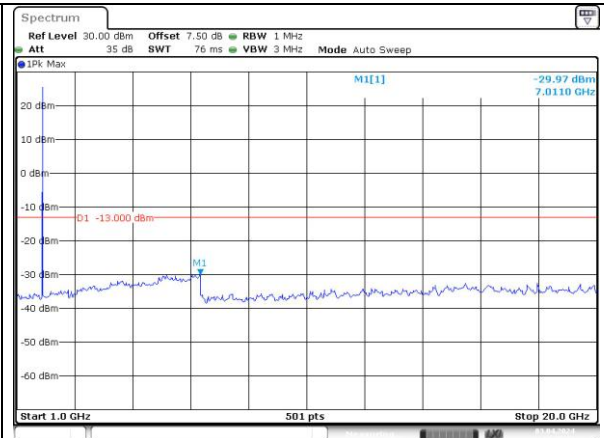
Channel

5MHz Bandwidth QPSK

Lowest

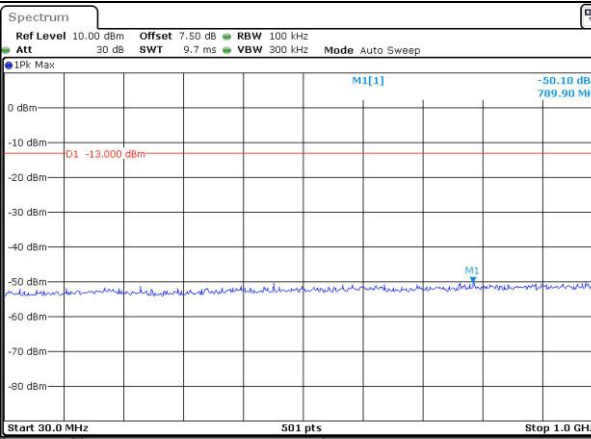


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:25:47

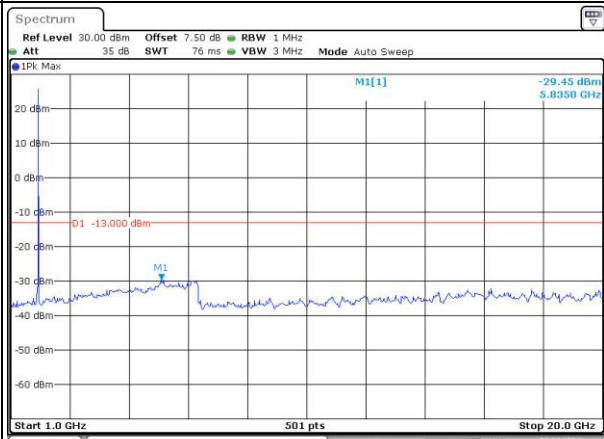


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:26:12

Middle

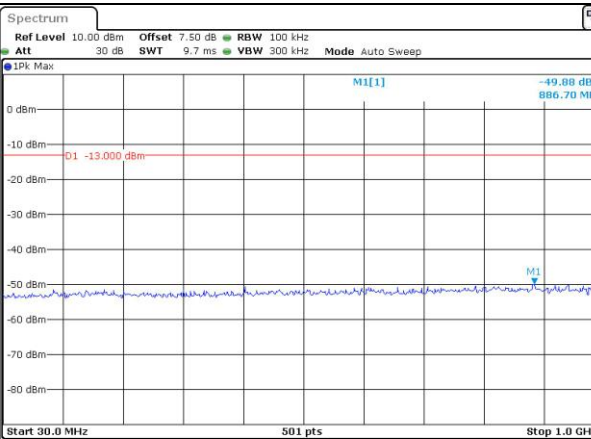


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:26:19

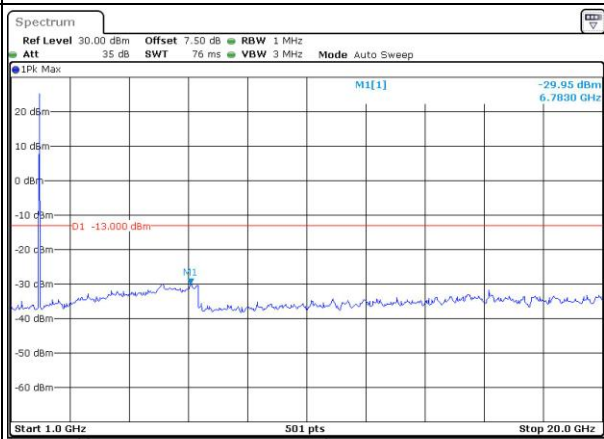


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:27:07

Highest



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:27:136



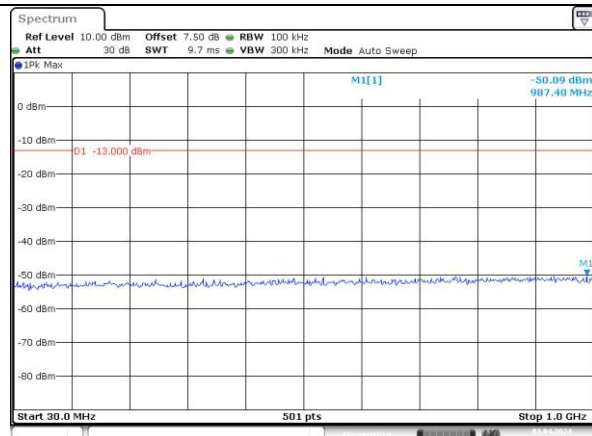
ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:28:02

Spurious Emissions at Antenna Terminal

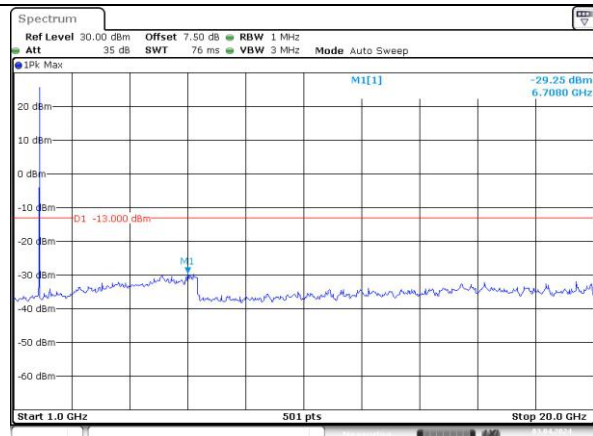
Channel

10MHz Bandwidth QPSK

Lowest

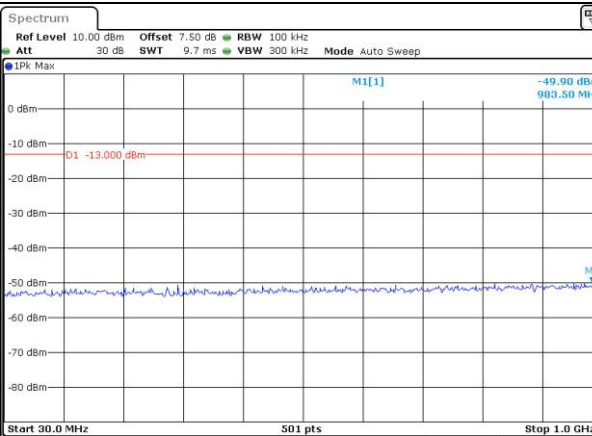


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:31:19

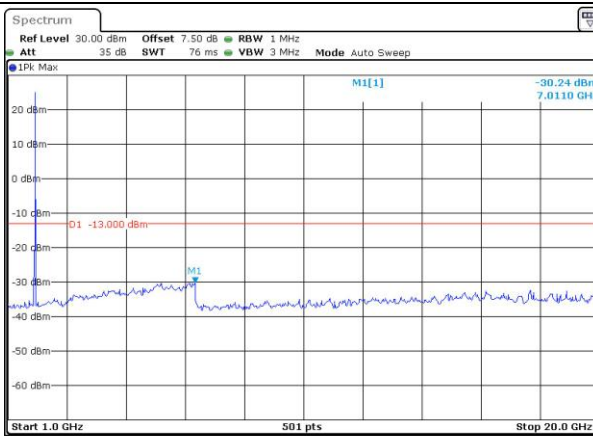


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:31:41

Middle

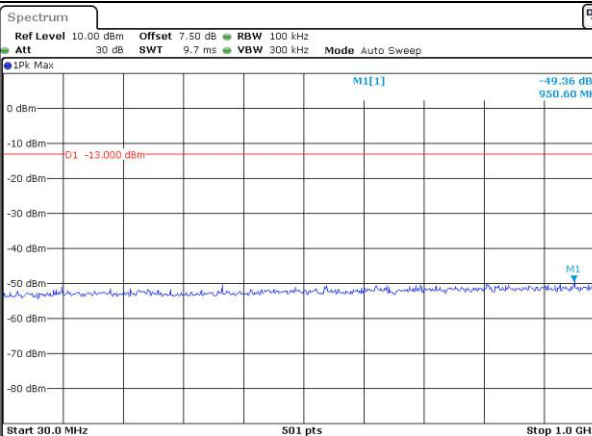


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:38:50

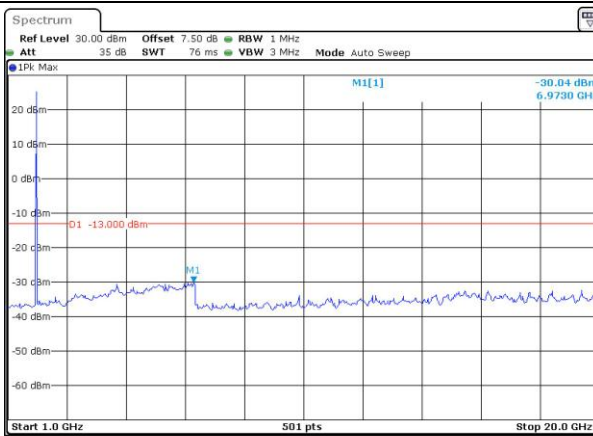


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:39:09

Highest



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:49:16



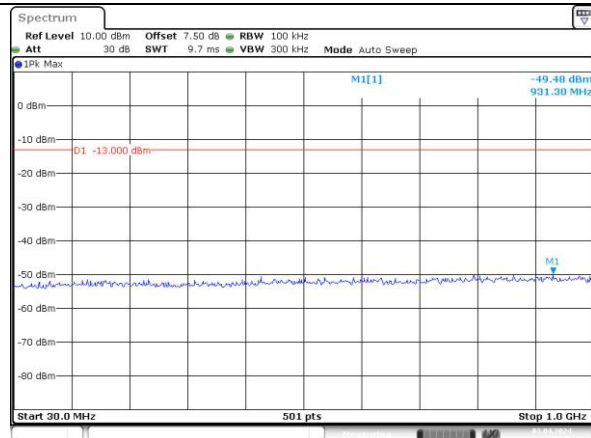
ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:49:35

Spurious Emissions at Antenna Terminal

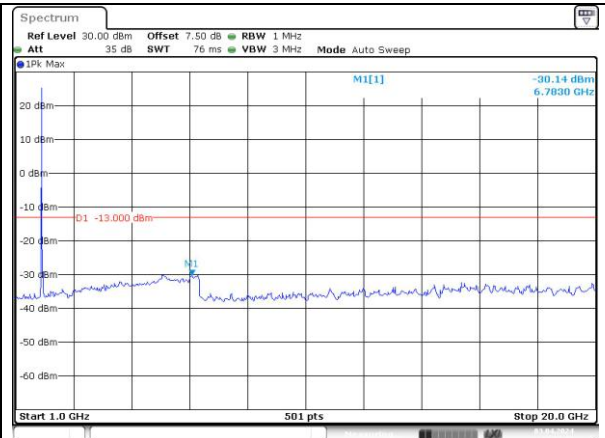
Channel

15MHz Bandwidth QPSK

Lowest

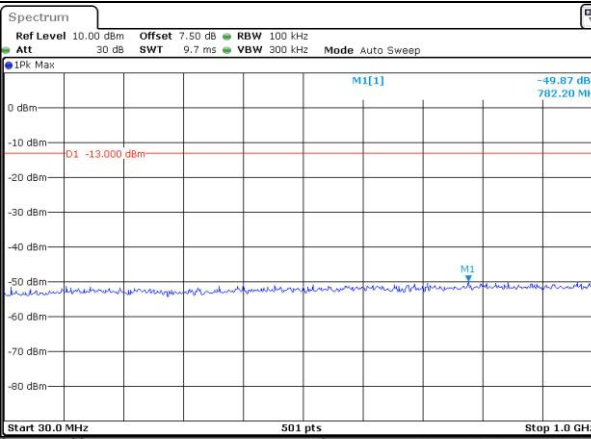


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:50:145

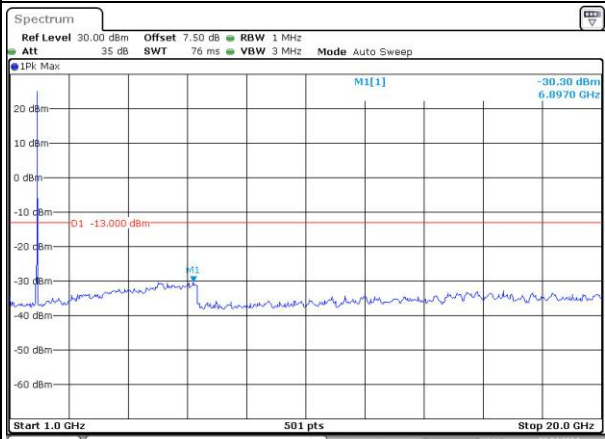


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:51:09

Middle

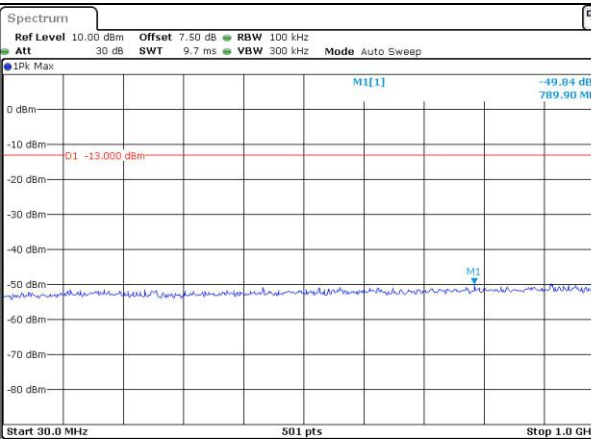


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:51:141

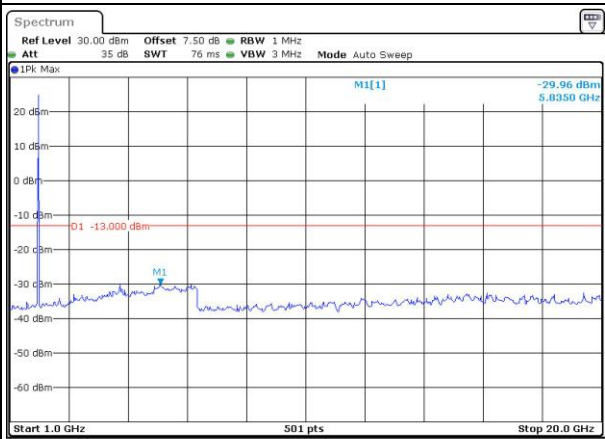


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:52:00

Highest



ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:52:126



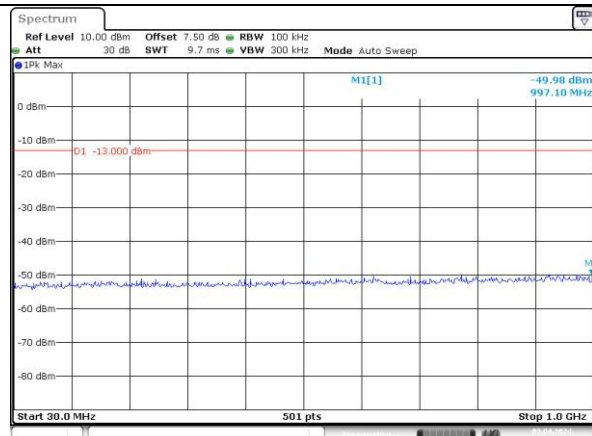
ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:52:133

Spurious Emissions at Antenna Terminal

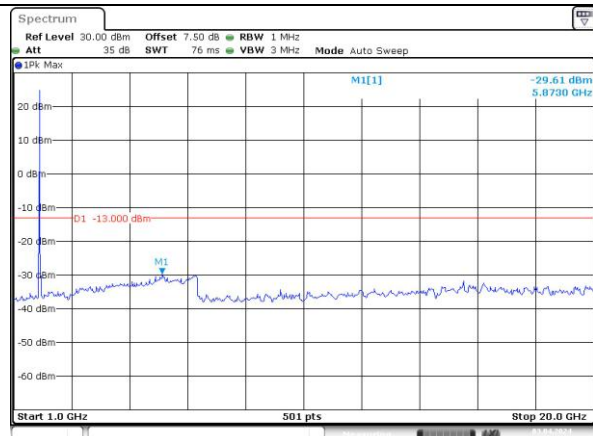
Channel

20MHz Bandwidth QPSK

Lowest

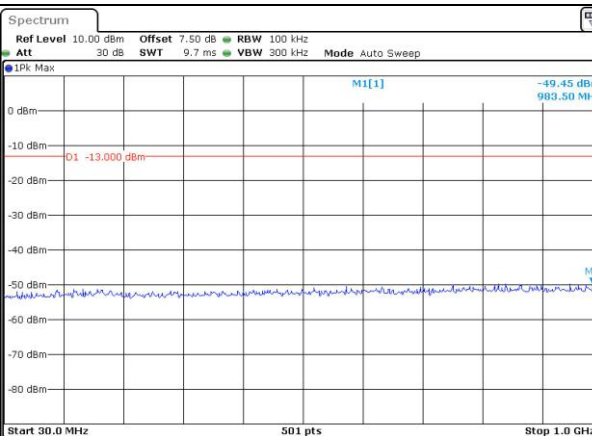


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:55:15

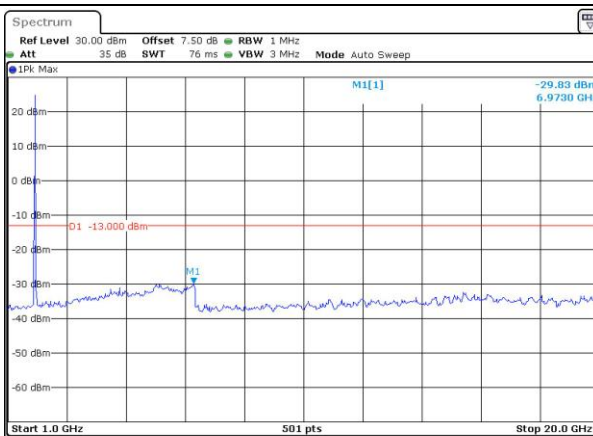


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 19:55:17

Middle

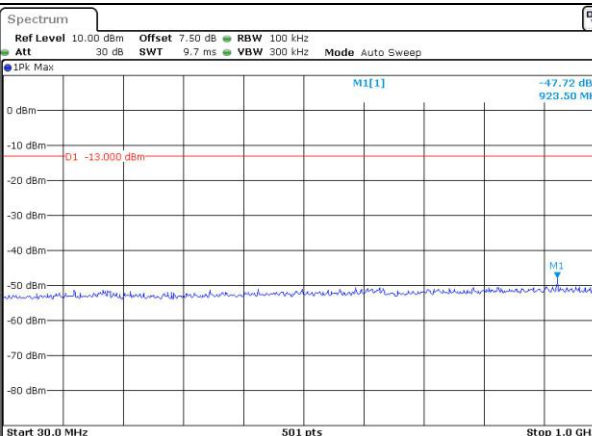


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 20:06:14

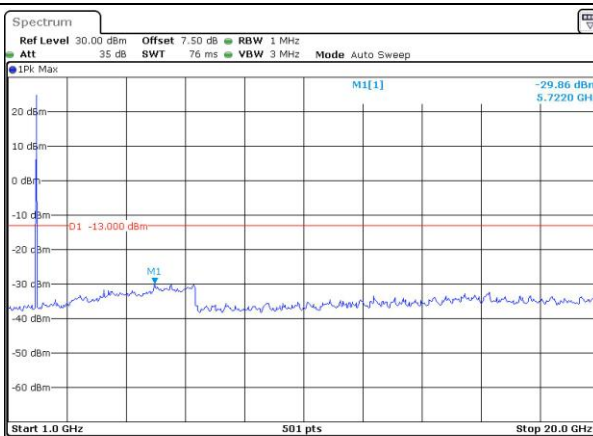


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 20:07:16

Highest

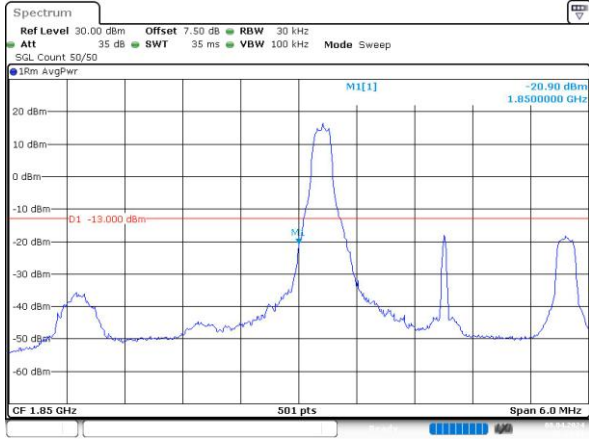
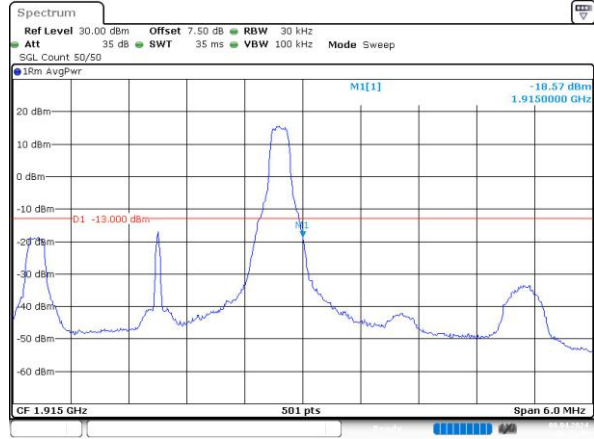
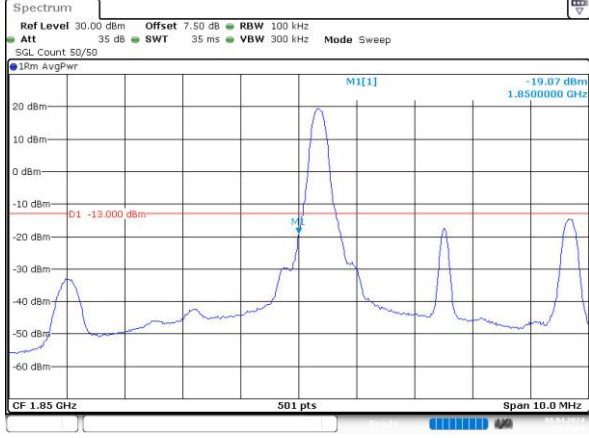
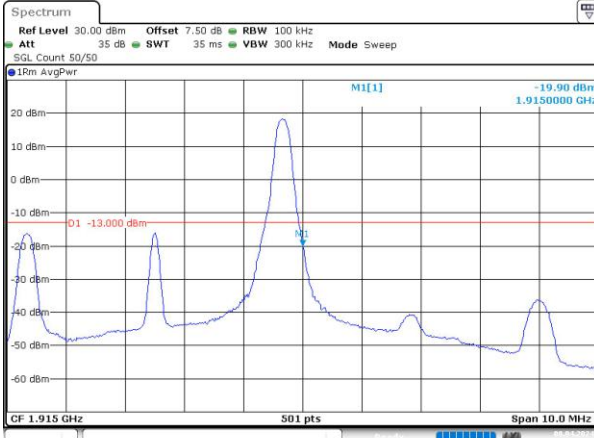


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 20:07:44

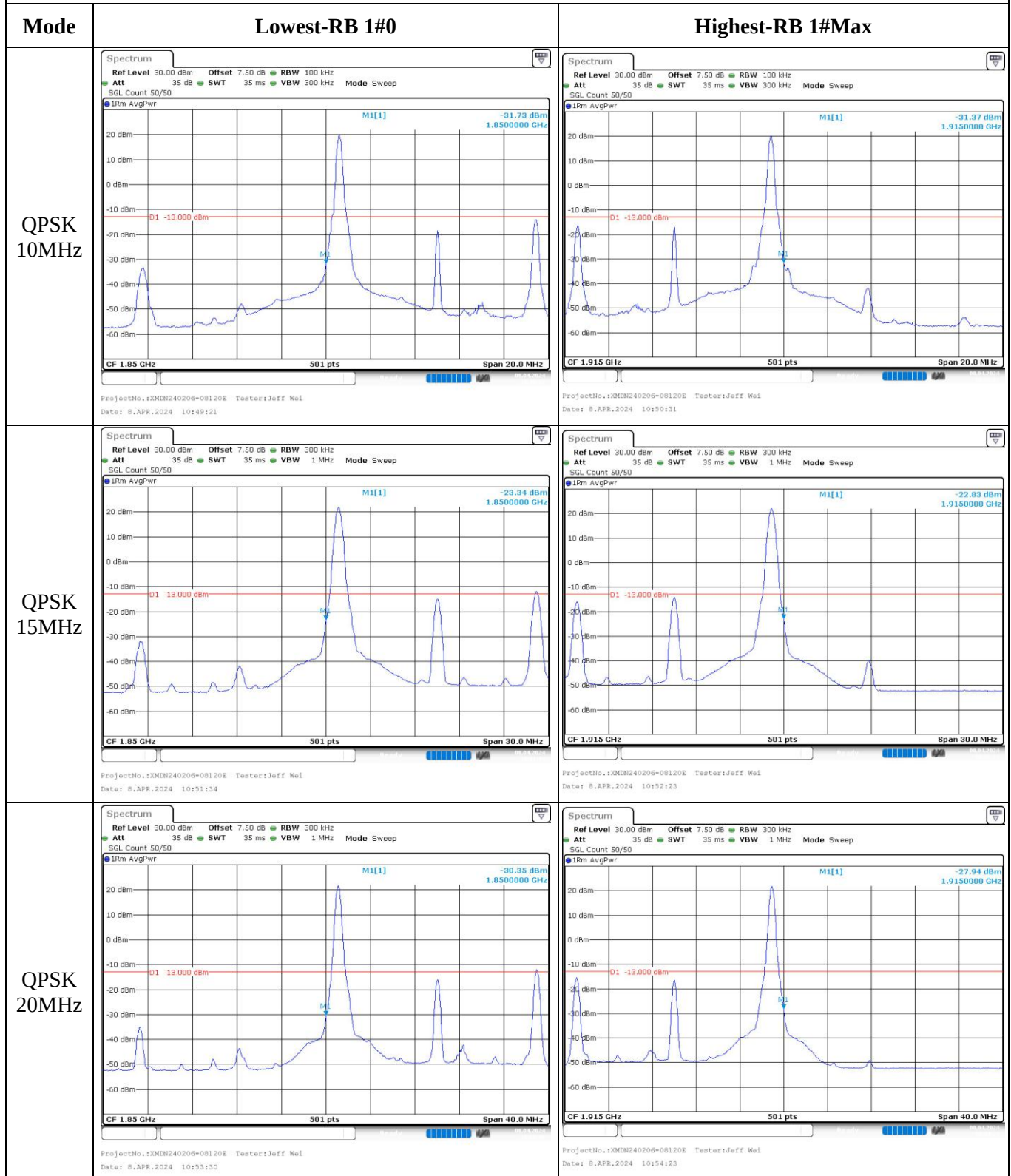


ProjectNo.:XMDN240206-08120E Tester:Jeff Wei
Date: 3.APR.2024 20:08:04

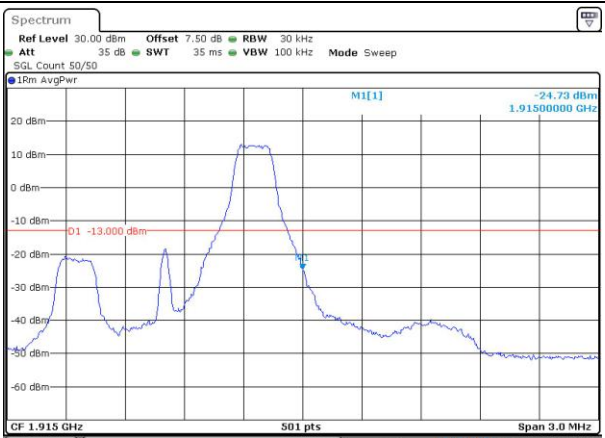
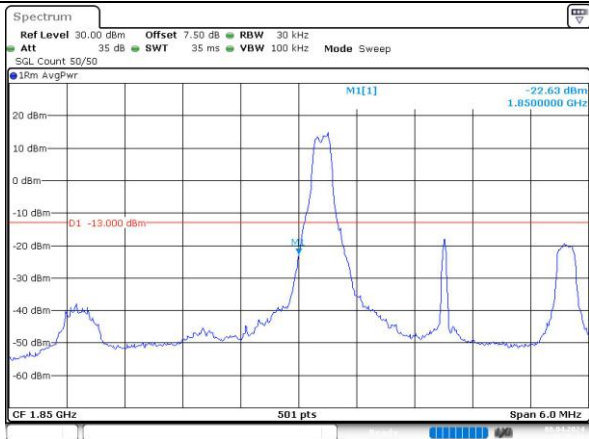
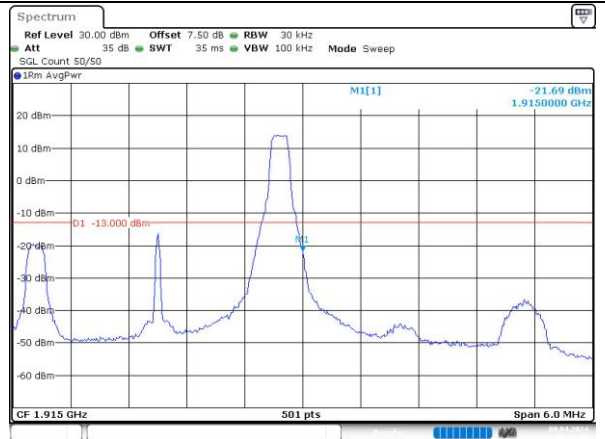
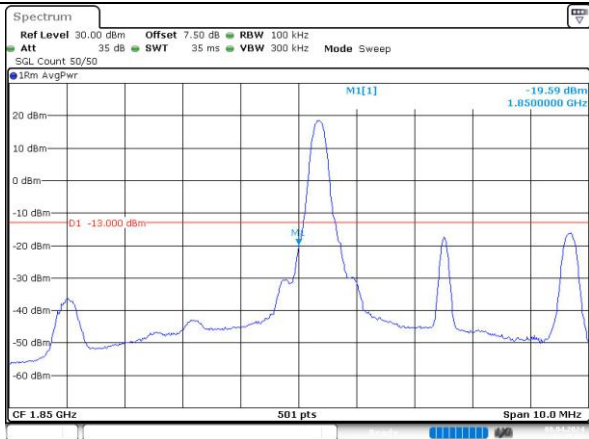
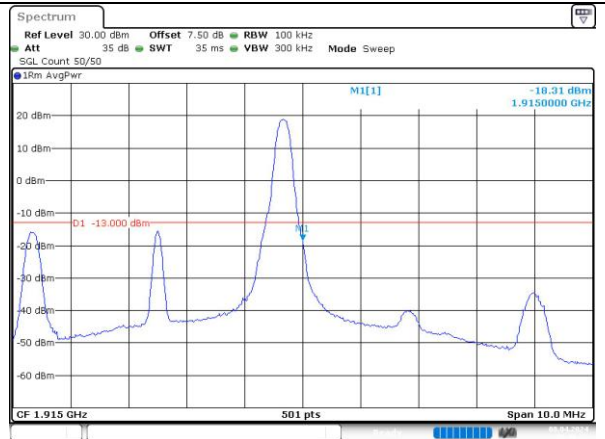
Out of band emission, Band Edge

Mode	Lowest-RB 1#0	Highest-RB 1#Max
QPSK 1.4MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:33:34	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 16:38:40
QPSK 3MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:34:51	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:35:42
QPSK 5MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:45:04	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 14:46:23

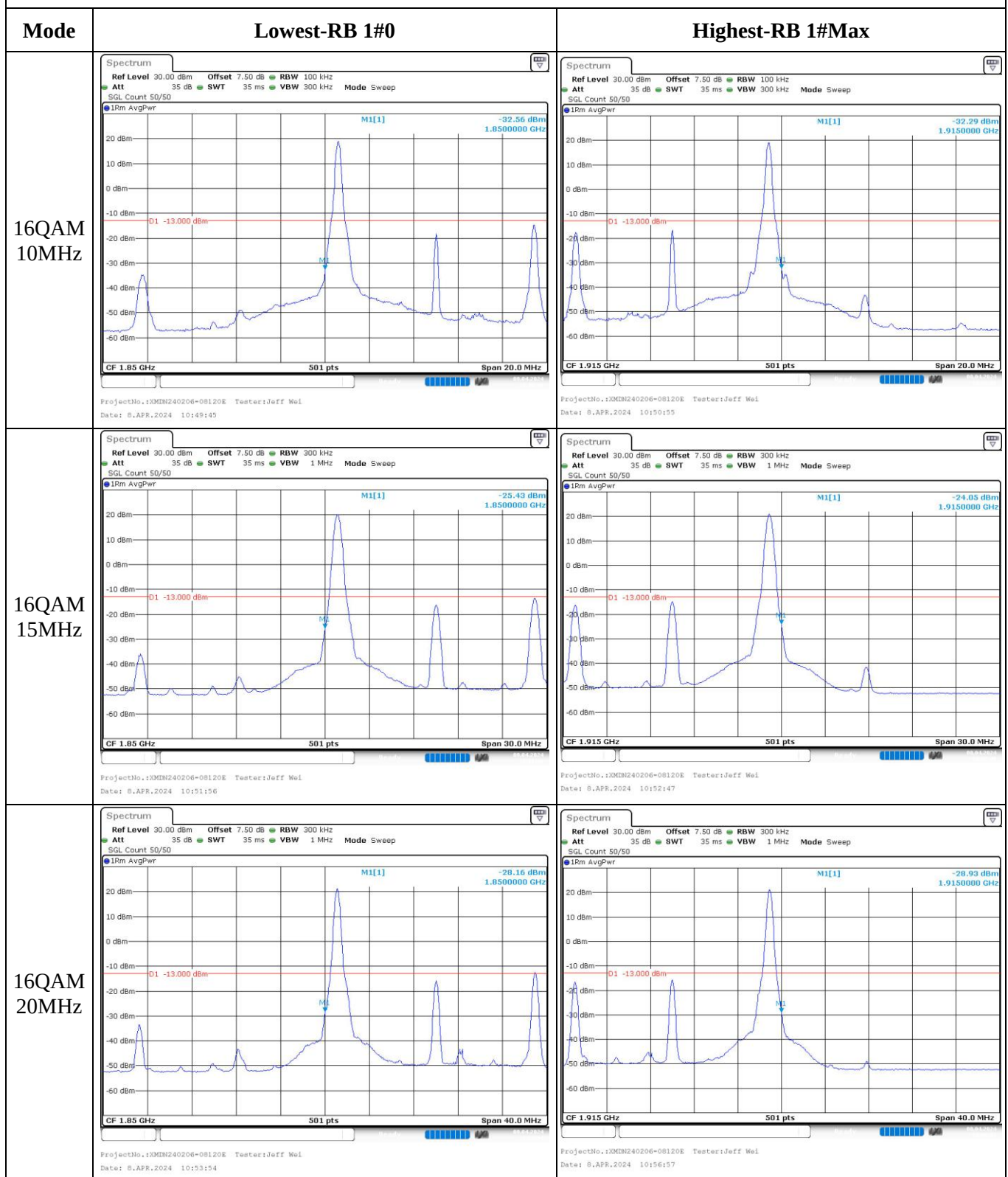
Out of band emission, Band Edge



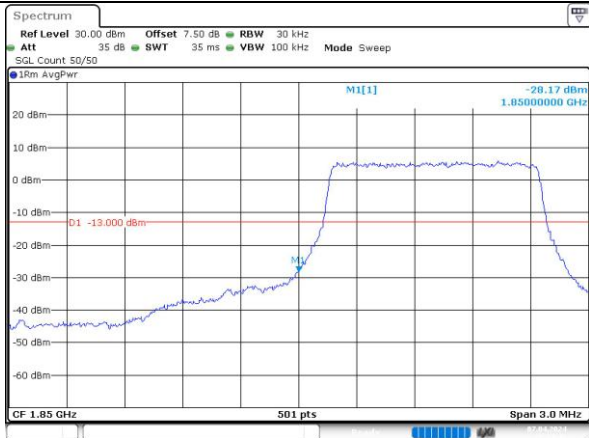
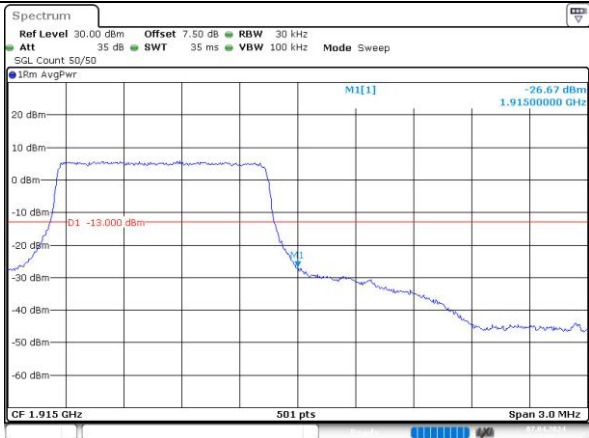
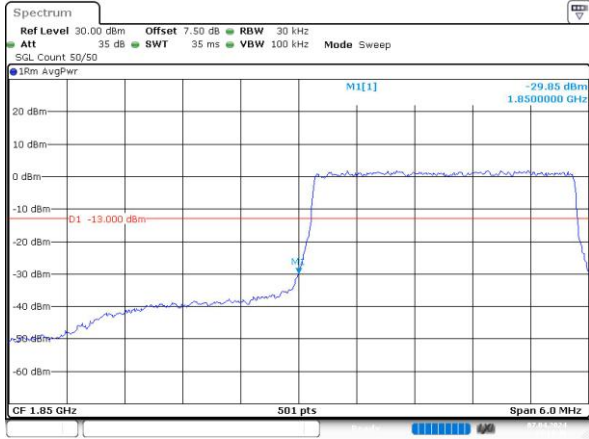
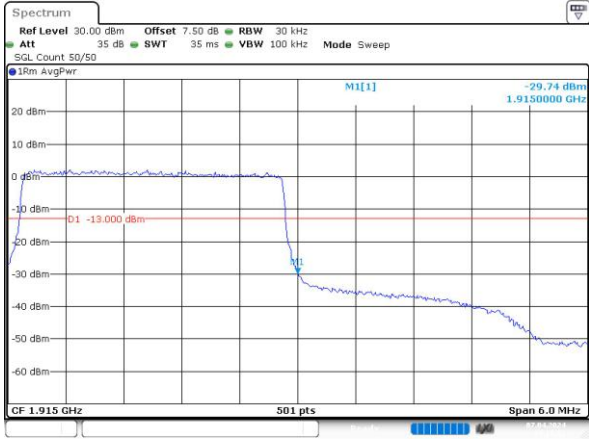
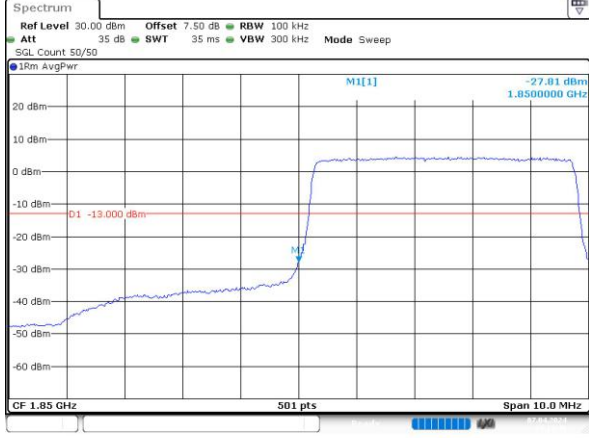
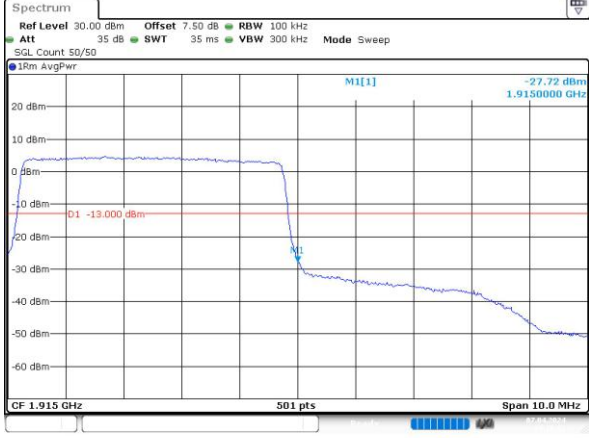
Out of band emission, Band Edge

Mode	Lowest-RB 1#0	Highest-RB 1#Max
16QAM 1.4MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 16:36:24	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 14:45:00
16QAM 3MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:35:16	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:36:05
16QAM 5MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:45:25	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 8.APR.2024 10:46:22

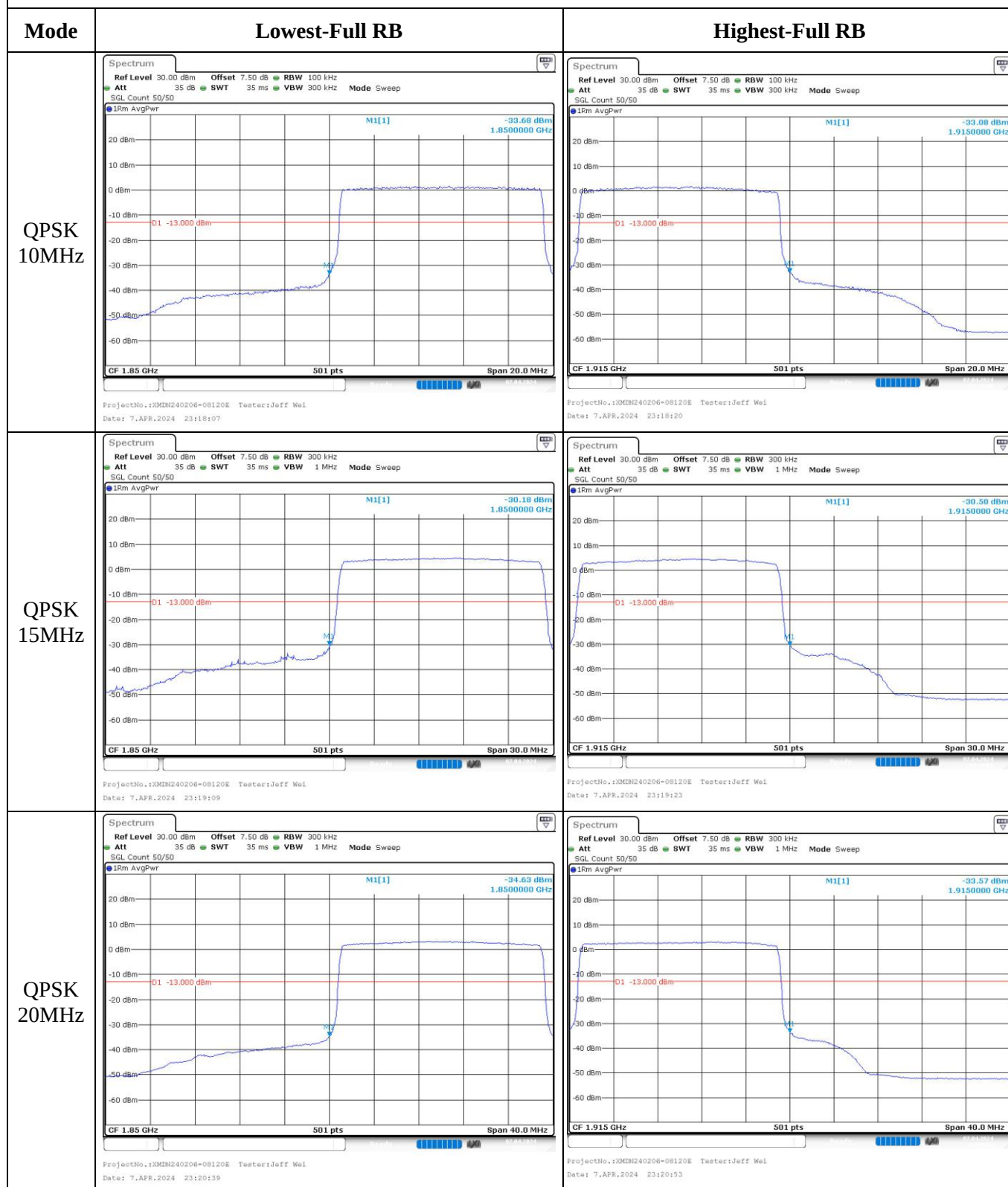
Out of band emission, Band Edge



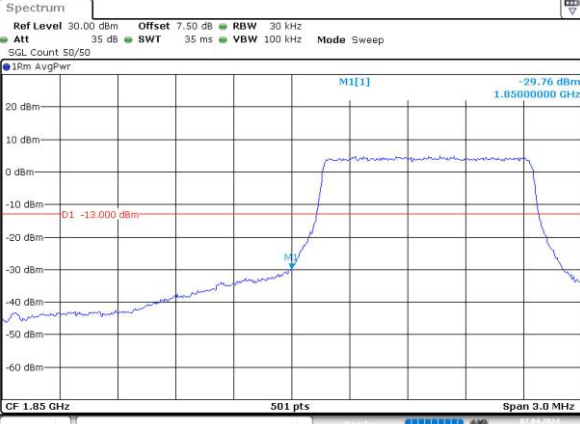
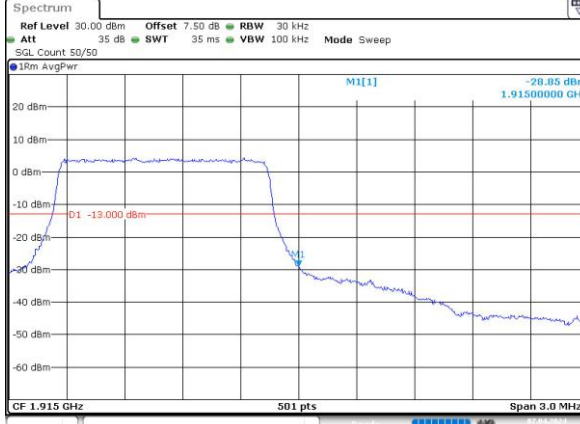
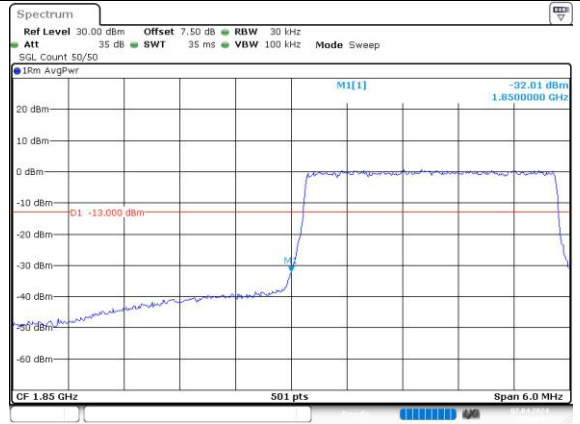
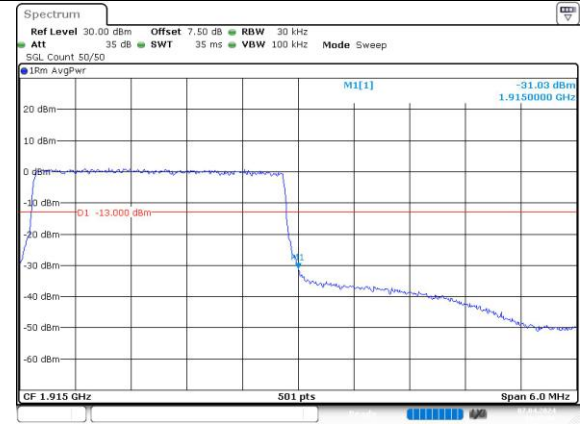
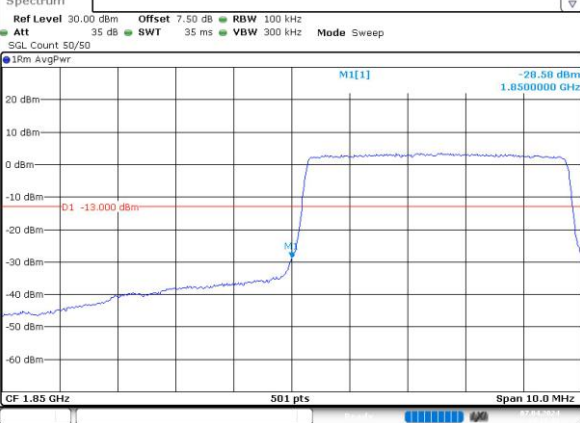
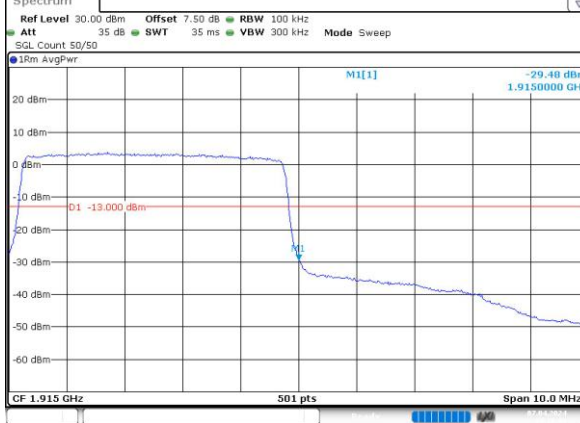
Out of band emission, Band Edge

Mode	Lowest-Full RB	Highest-Full RB
QPSK 1.4MHz	 Ref Level 30.00 dBm Offset 7.50 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SQL Count 50/50 1Rm AvgPwr M1[1] -20.17 dBm 1.85000000 GHz D1 -13.000 dBm CF 1.85 GHz 501 pts Span 3.0 MHz ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 22:54:43	 Ref Level 30.00 dBm Offset 7.50 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SQL Count 50/50 1Rm AvgPwr M1[1] -26.67 dBm 1.91500000 GHz D1 -13.000 dBm CF 1.915 GHz 501 pts Span 3.0 MHz ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:03:14
QPSK 3MHz	 Ref Level 30.00 dBm Offset 7.50 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SQL Count 50/50 1Rm AvgPwr M1[1] -29.85 dBm 1.85000000 GHz D1 -13.000 dBm CF 1.85 GHz 501 pts Span 6.0 MHz ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:14:48	 Ref Level 30.00 dBm Offset 7.50 dB RBW 30 kHz Att 35 dB SWT 35 ms VBW 100 kHz Mode Sweep SQL Count 50/50 1Rm AvgPwr M1[1] -29.74 dBm 1.91500000 GHz D1 -13.000 dBm CF 1.915 GHz 501 pts Span 6.0 MHz ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:15:01
QPSK 5MHz	 Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SQL Count 50/50 1Rm AvgPwr M1[1] -27.91 dBm 1.85000000 GHz D1 -13.000 dBm CF 1.85 GHz 501 pts Span 10.0 MHz ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:15:49	 Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SQL Count 50/50 1Rm AvgPwr M1[1] -27.72 dBm 1.91500000 GHz D1 -13.000 dBm CF 1.915 GHz 501 pts Span 10.0 MHz ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:16:02

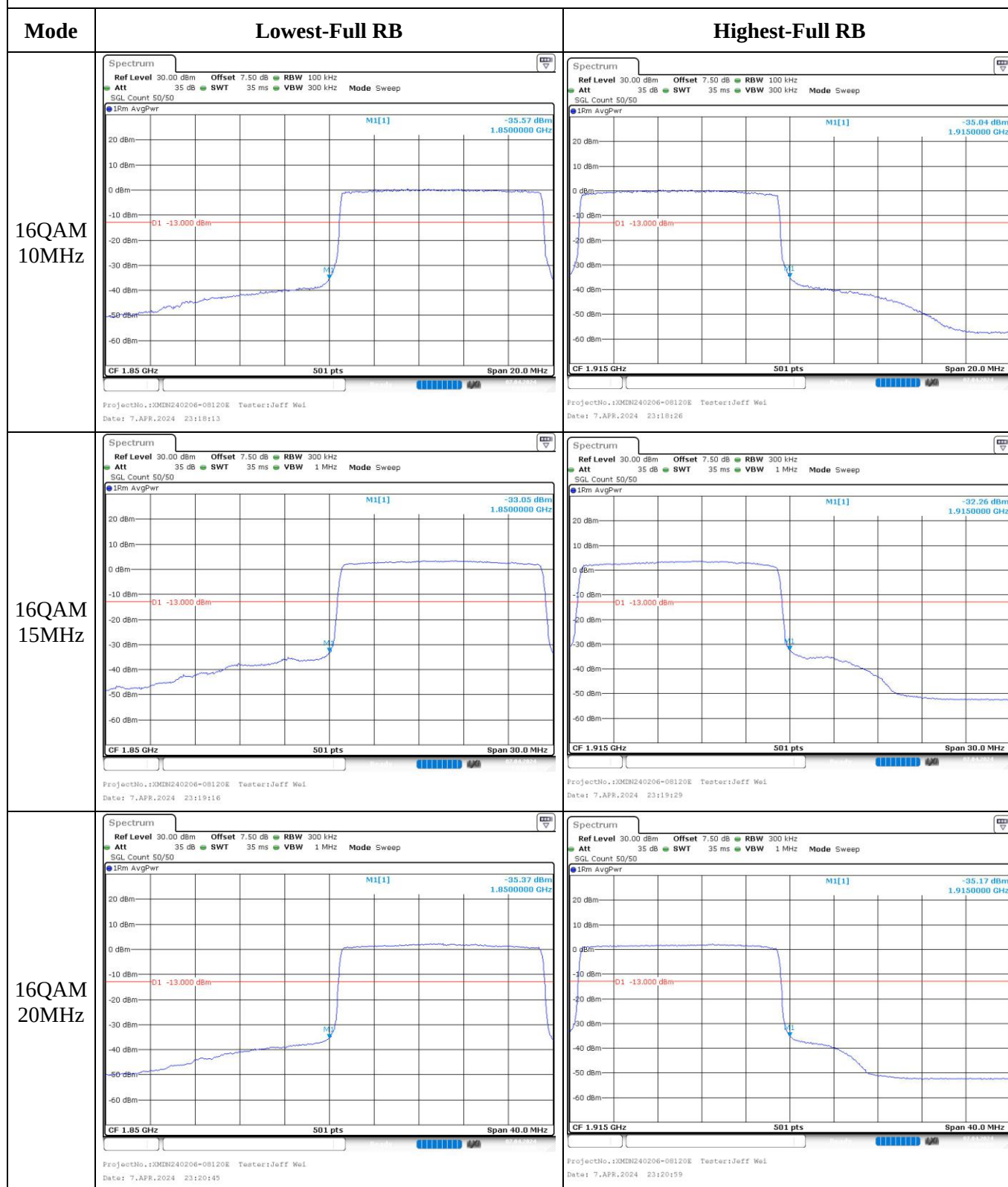
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest-Full RB	Highest-Full RB
16QAM 1.4MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 22:54:49	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:11:05
16QAM 3MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:14:54	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:15:06
16QAM 5MHz	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:15:55	 ProjectNo.:XMDN240206-08120E Tester:Jeff Wei Date: 7.APR.2024 23:16:08

Out of band emission, Band Edge



5.14 Antenna Port Test Data and Results for LTE Band 26

Serial Number:	2HPA-1	Test Date:	2024/4/1~2024/4/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Loge Long, Jeff Wei	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	25.1~26.9	Relative Humidity: (%)	49~72	ATM Pressure: (kPa)	100.2~101.1

Test Equipment List and Details:					
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101461	2023/11/27	2024/11/26
Micro-Coax	Coaxial Cable	UFB205A	323308-024	2024/1/2	2025/1/1
Minl-Clrccuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2024/2/25	2025/2/24
R&S	Wideband Radio Communication Tester	CMW500	110479	2023/10/18	2024/10/17
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2023/10/18	2024/10/17
All-sun	Clamp Meter	EM305A	8348897	2023/8/3	2024/8/2
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).					

Test Frequency For Each Mode:						
Operation Bandwidth	Lowest Frequency For 90S (MHz)	Highest Frequency For 90S (MHz)	Channel Cross 90S and 22H	Lowest Frequency For 22H (MHz)	Middle Frequency For 22H (MHz)	Highest Frequency For 22H (MHz)
1.4MHz	814.7	823.3	824	824.7	831.5	848.3
3MHz	815.5	822.5	824	825.5	831.5	847.5
5MHz	816.5	821.5	824	826.5	831.5	846.5
10MHz	819	/	824	829	831.5	844
15MHz	821.5	/	824	831.5	836.5	841.5

Test Data:**RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)						Max. ERP (dBm)	ERP Limit (dBm)
		Lowest Channel For 90S	Highest Channel For 90S	Cross Channel	Lowest Frequency For 22H	Middle Frequency For 22H	Highest Frequency For 22H		
1.4MHz QPSK	RB1#0	22.84	23.74	23.9	22.29	22.89	22.91	19.91	38.45
	RB1#3	23	23.71	24	22.53	23.05	23.3		
	RB1#5	22.98	23.76	23.94	22.33	22.91	23		
	RB3#0	22.93	23.68	23.99	22.16	22.87	22.84		
	RB3#3	22.87	23.92	23.85	22.16	22.87	22.81		
	RB6#0	21.77	22.74	22.73	21.43	21.85	22.03		
1.4MHz 16QAM	RB1#0	22.01	23.32	23.14	21.3	22.11	21.94	19.36	38.45
	RB1#3	21.81	23.45	23.4	21.36	21.89	21.89		
	RB1#5	21.85	23.37	23.1	21.28	21.81	21.56		
	RB3#0	21.89	22.68	22.85	21.36	22.07	22.16		
	RB3#3	22.02	22.8	22.94	21.33	21.96	22.17		
	RB6#0	21.04	22.01	21.65	20.14	20.94	20.98		
3MHz QPSK	RB1#0	22.99	23.77	23.74	22.28	23.15	22.91	19.99	38.45
	RB1#8	22.98	24.08	23.85	22.15	23.12	22.79		
	RB1#14	23.04	23.75	23.79	22.22	22.94	22.87		
	RB6#0	21.8	22.77	22.81	21.31	21.92	21.98		
	RB6#9	21.91	22.85	22.78	21.16	21.91	21.92		
	RB15#0	21.86	22.8	22.71	21.29	22.08	22.04		
3MHz 16QAM	RB1#0	22.27	23.2	22.95	21.64	22.42	22.32	19.11	38.45
	RB1#8	21.81	23.18	22.62	21.48	22.36	22.34		
	RB1#14	21.64	23.16	22.54	21.42	22.21	22.24		
	RB6#0	20.79	22	21.86	20.31	21.13	21.04		
	RB6#9	20.89	21.96	21.9	20.24	21	21.12		
	RB15#0	20.92	21.66	21.74	20.55	21.06	21.24		
5MHz QPSK	RB1#0	22.82	23.64	23.76	22.01	23.01	22.83	19.67	38.45
	RB1#13	22.8	23.67	23.67	22.14	23.02	22.87		
	RB1#24	22.84	23.49	23.36	22.12	22.64	22.86		
	RB15#0	21.84	22.88	22.74	21.22	21.95	21.96		
	RB15#10	22.09	22.82	22.77	21.33	21.97	21.99		
	RB25#0	21.96	22.78	22.79	21.18	21.98	21.99		
5MHz 16QAM	RB1#0	22.36	22	22.83	21.47	21.76	21.69	18.84	38.45
	RB1#13	22.28	22.93	22.92	21.88	21.66	22.16		
	RB1#24	22.6	22.15	22.34	21.77	20.75	21.2		
	RB15#0	20.91	21.78	22.05	20.31	21.1	21.04		
	RB15#10	21.03	21.7	22.06	20.26	21.03	21.05		
	RB25#0	21.07	21.82	21.63	20.37	21.15	21.1		
10MHz QPSK	RB1#0	22.83	/	23.79	23.25	23.29	23.01	20.19	38.45
	RB1#25	23.15	/	24.28	23.47	23.45	23.17		
	RB1#49	23.31	/	23.89	23.11	23.03	22.96		