

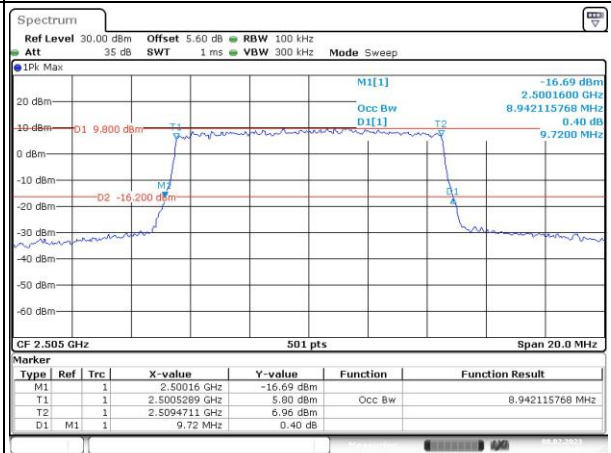
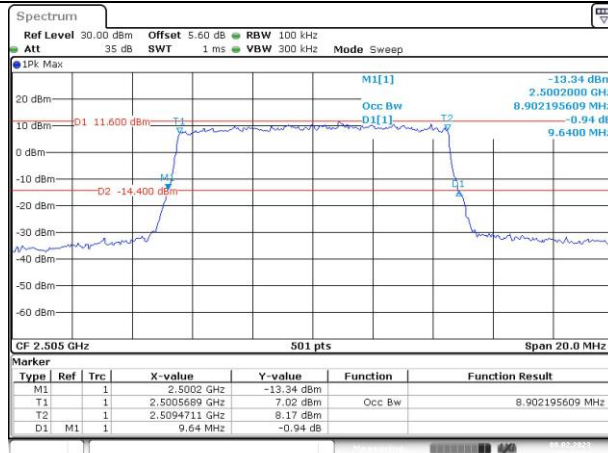
### Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

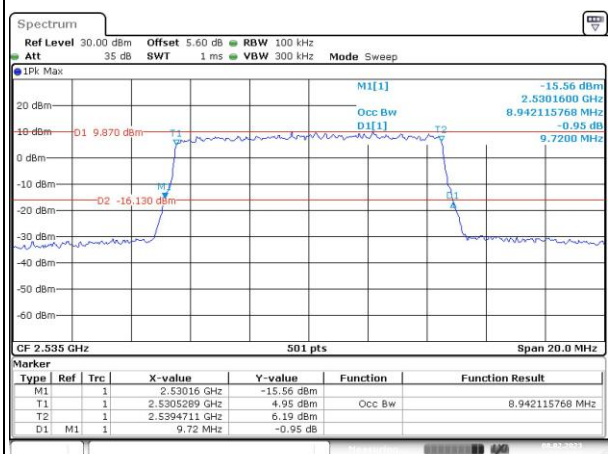
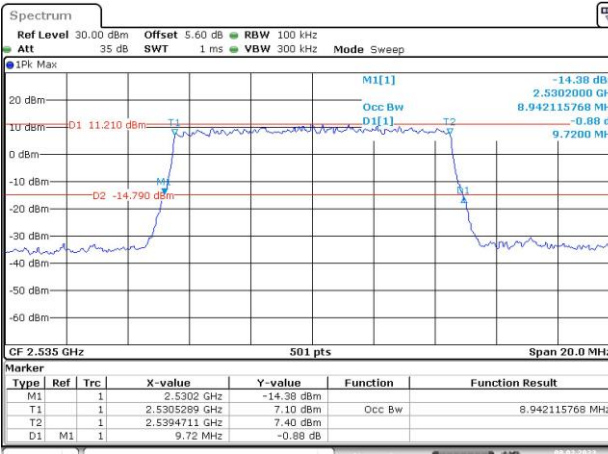
Lowest



Date: 8.FEB.2023 22:15:03

Date: 8.FEB.2023 22:15:41

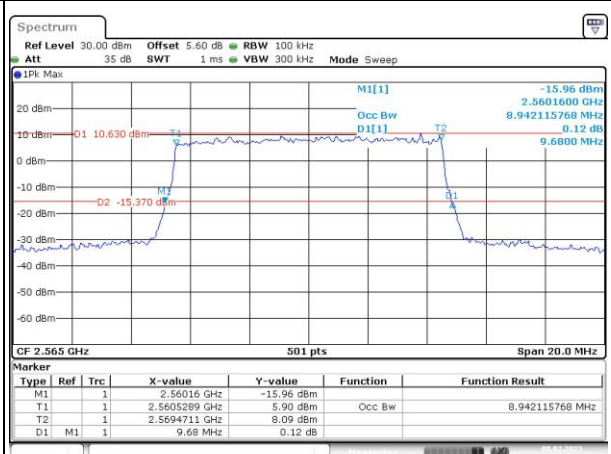
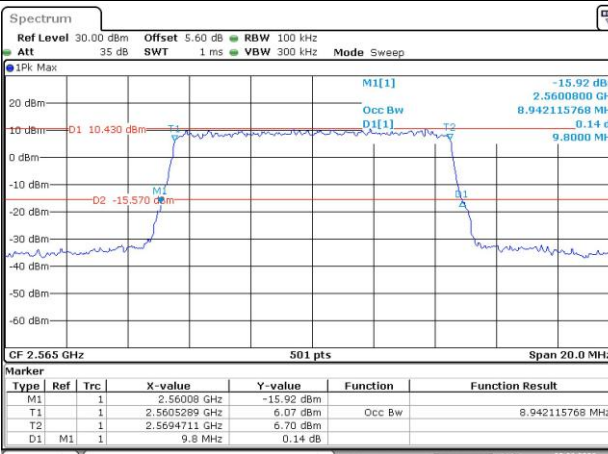
Middle



Date: 8.FEB.2023 22:16:14

Date: 8.FEB.2023 22:16:52

Highest



Date: 8.FEB.2023 22:17:21

Date: 8.FEB.2023 22:17:48

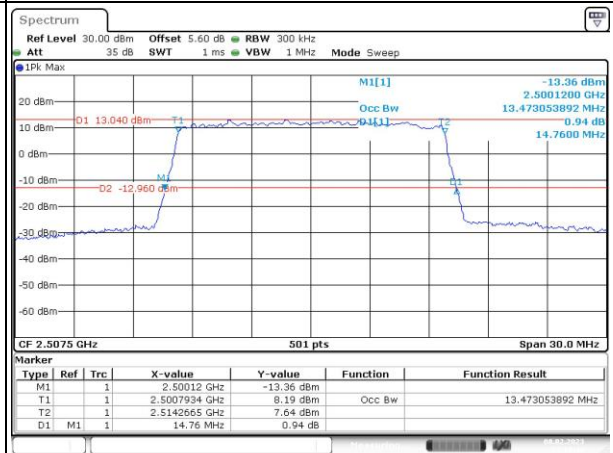
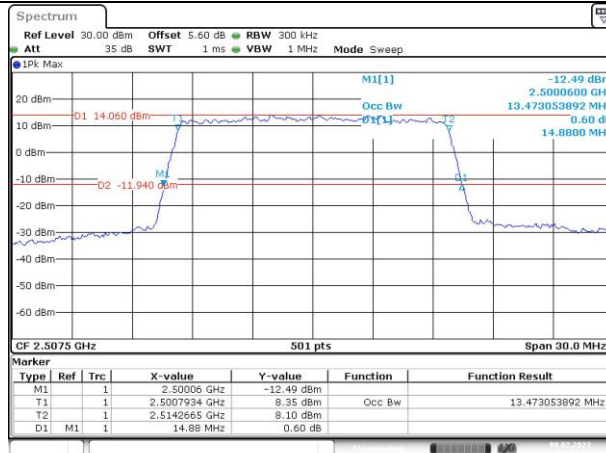
### Occupied Bandwidth

Channel

15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

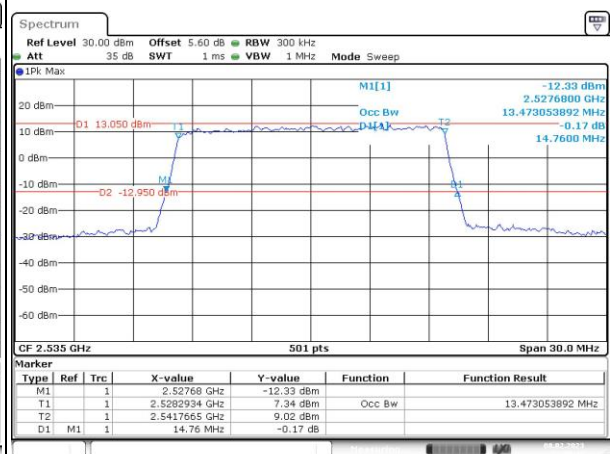
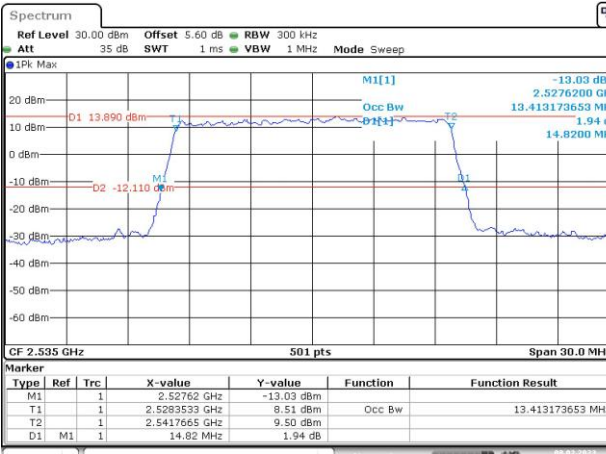
Lowest



Date: 8.FEB.2023 22:19:19

Date: 8.FEB.2023 22:19:46

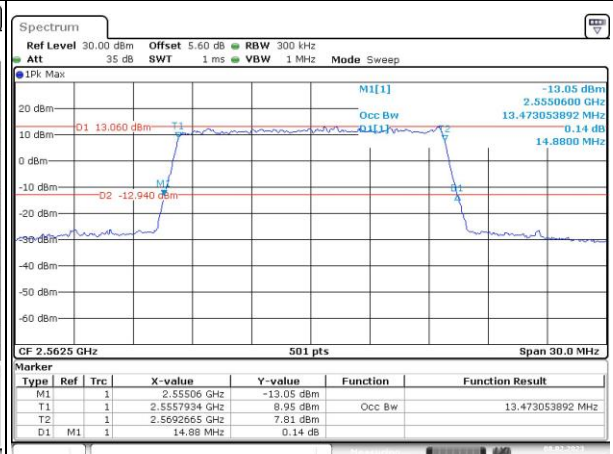
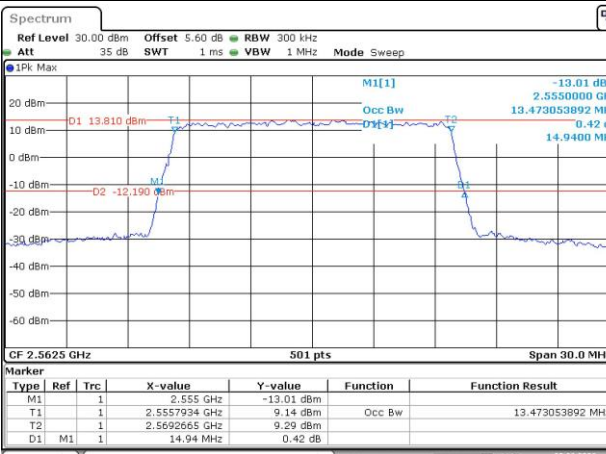
Middle



Date: 8.FEB.2023 22:20:17

Date: 8.FEB.2023 22:20:47

Highest



Date: 8.FEB.2023 22:21:19

Date: 8.FEB.2023 22:21:49

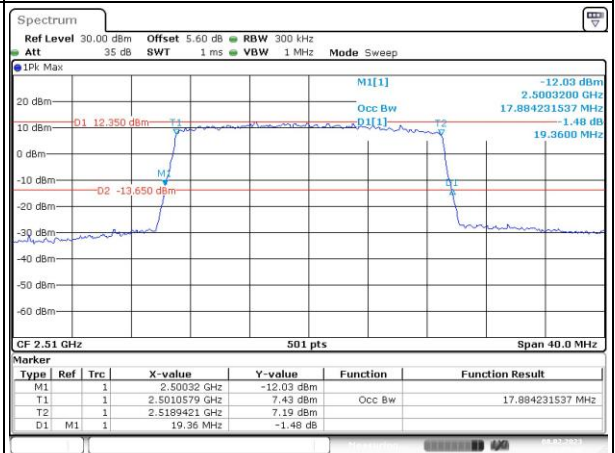
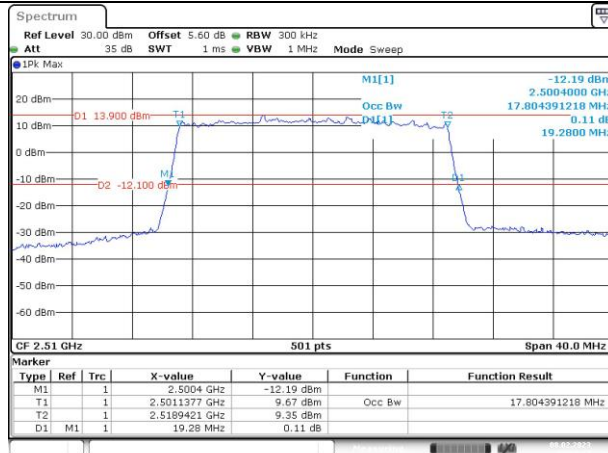
### Occupied Bandwidth

Channel

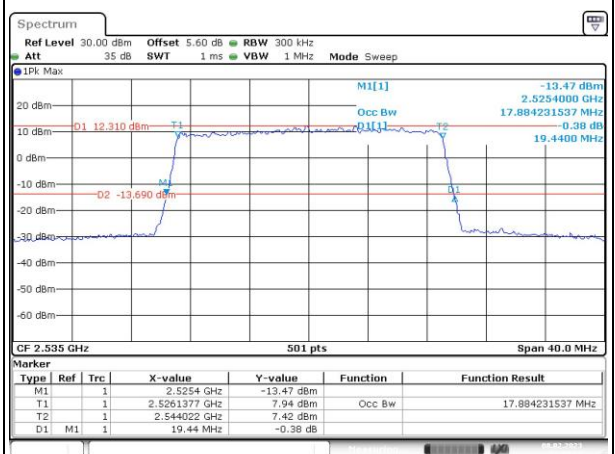
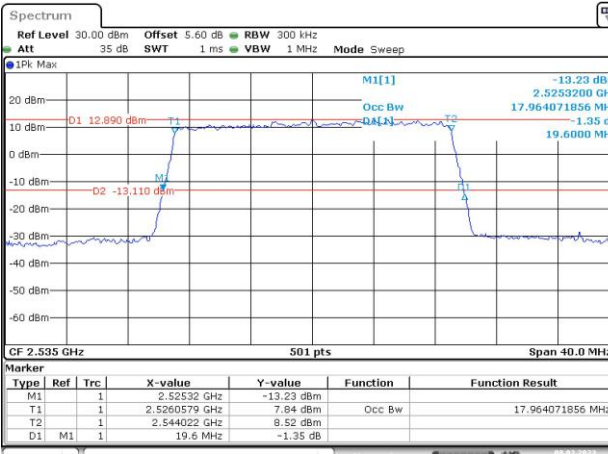
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

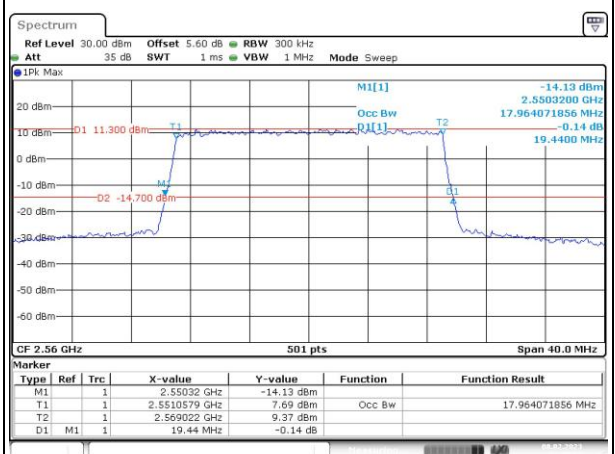
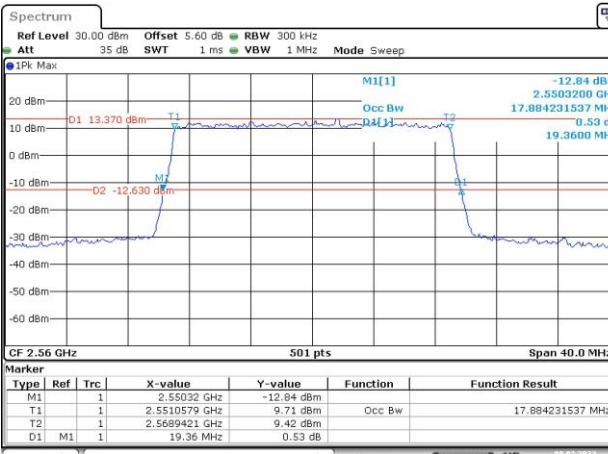
Lowest



Middle



Highest

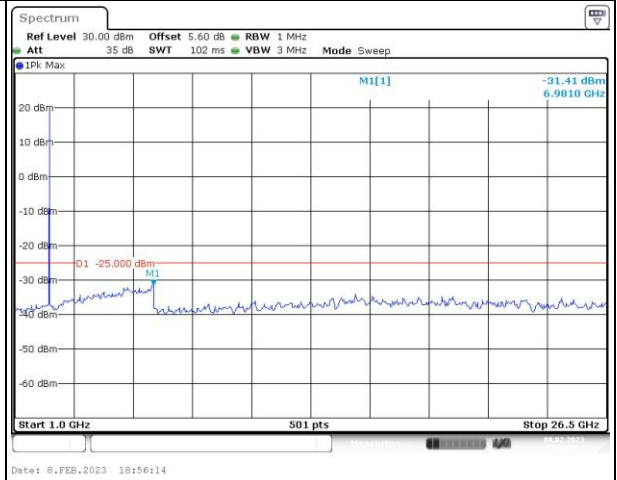
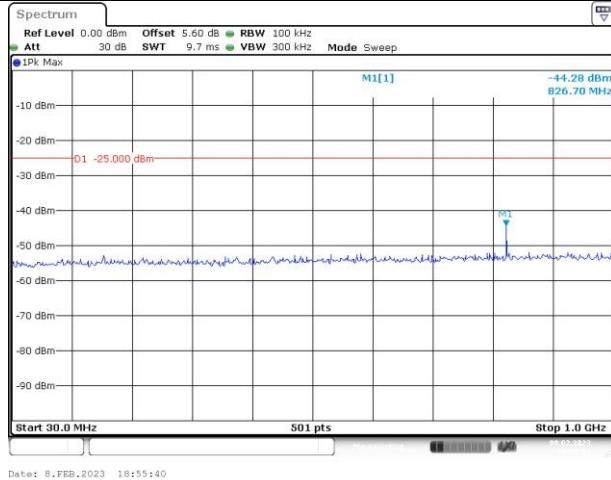


### Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK

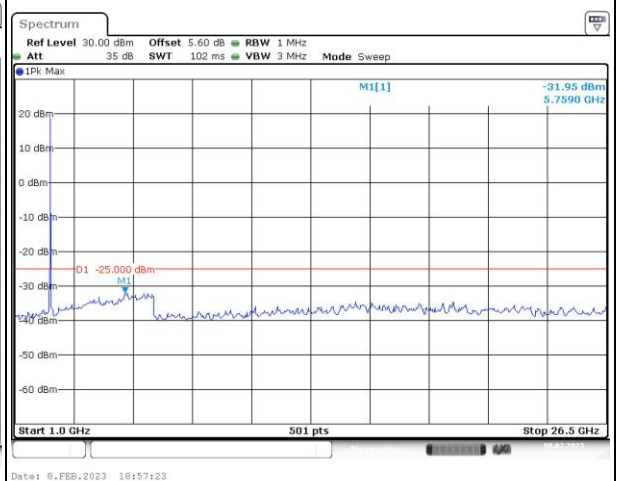
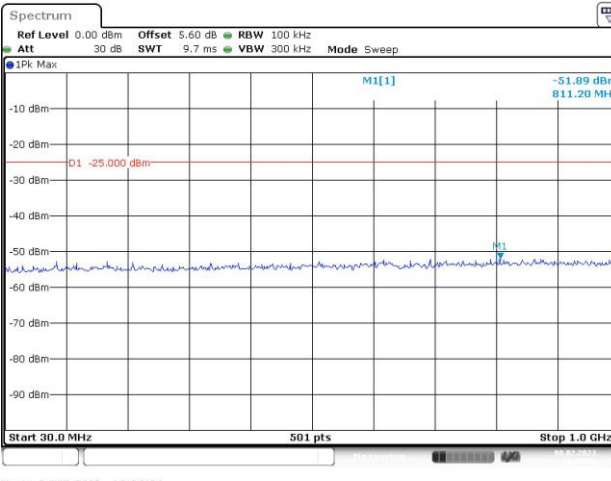
Lowest



Date: 8.FEB.2023 18:55:40

Date: 8.FEB.2023 18:56:14

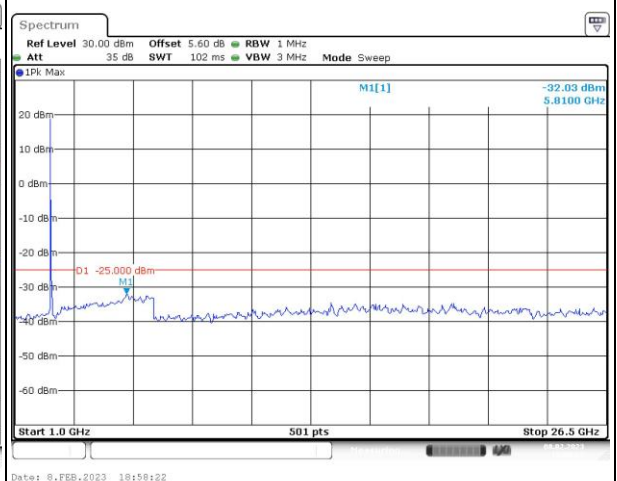
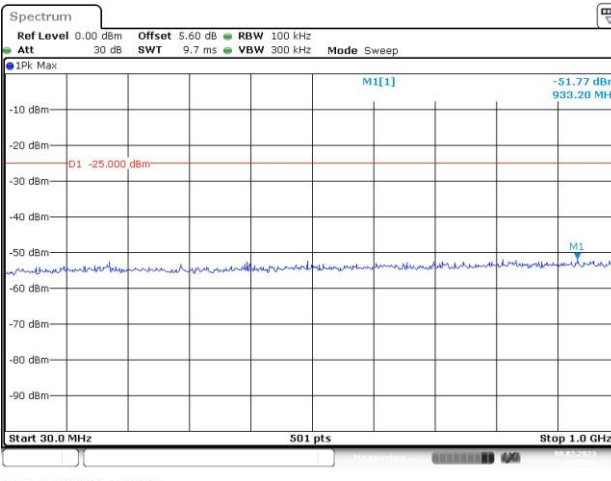
Middle



Date: 8.FEB.2023 18:56:54

Date: 8.FEB.2023 18:57:23

Highest



Date: 8.FEB.2023 18:57:52

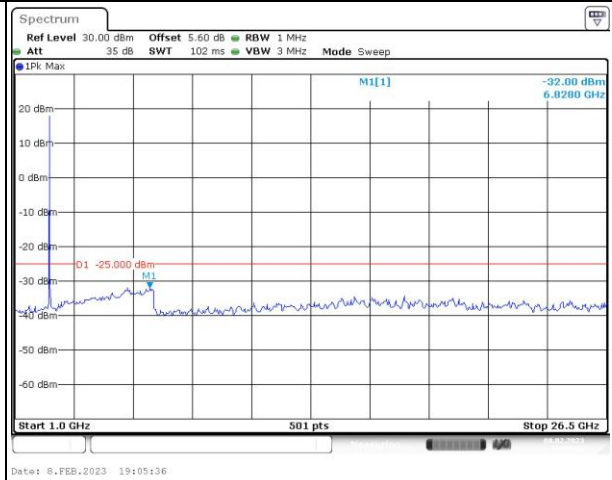
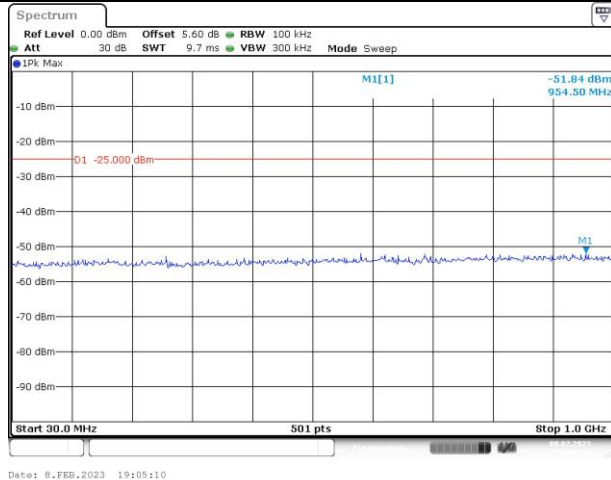
Date: 8.FEB.2023 18:58:22

### Spurious Emissions at Antenna Terminal

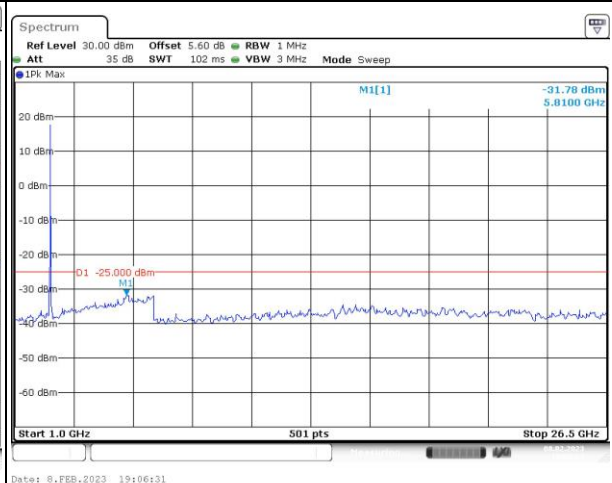
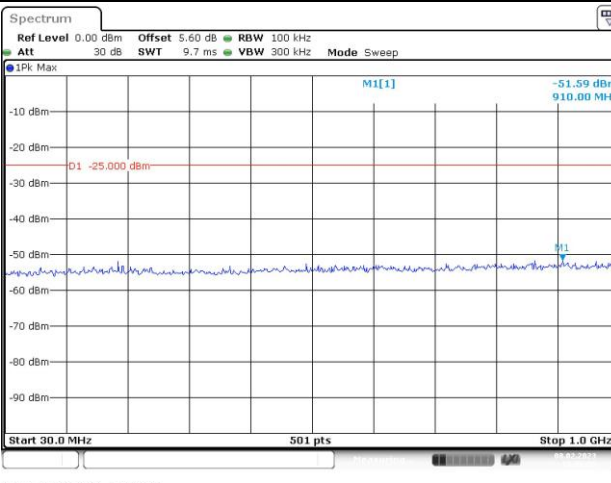
Channel

10MHz Bandwidth QPSK

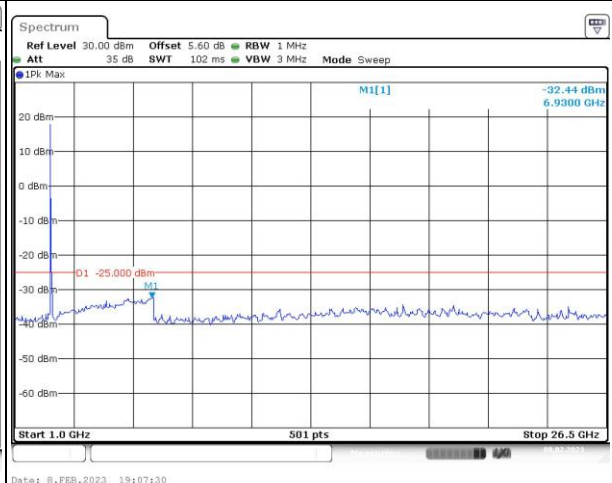
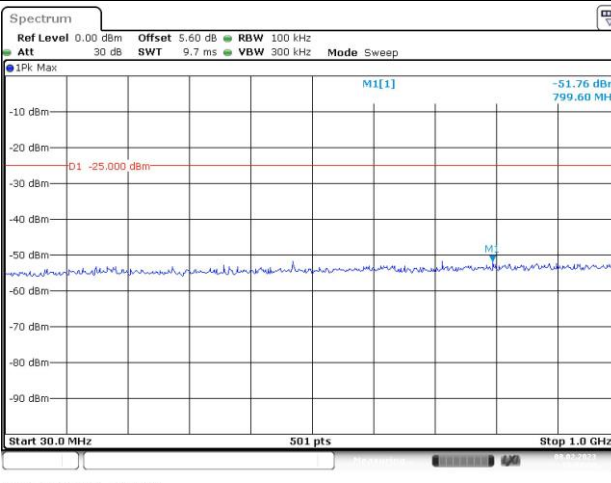
Lowest



Middle



Highest

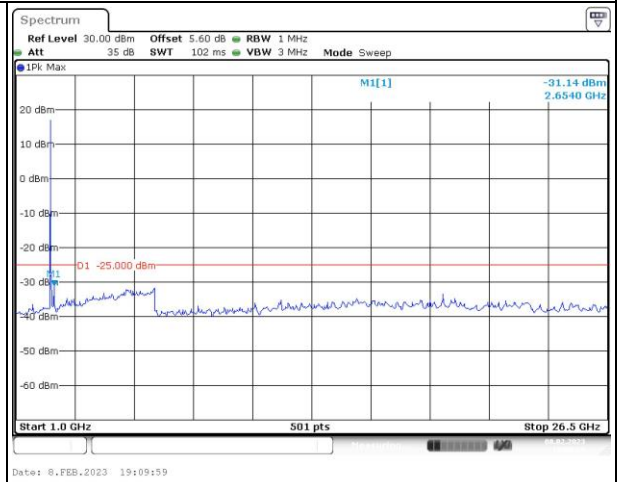
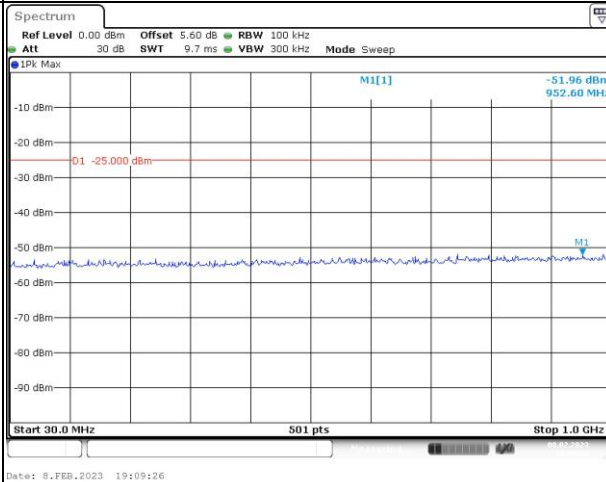


### Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

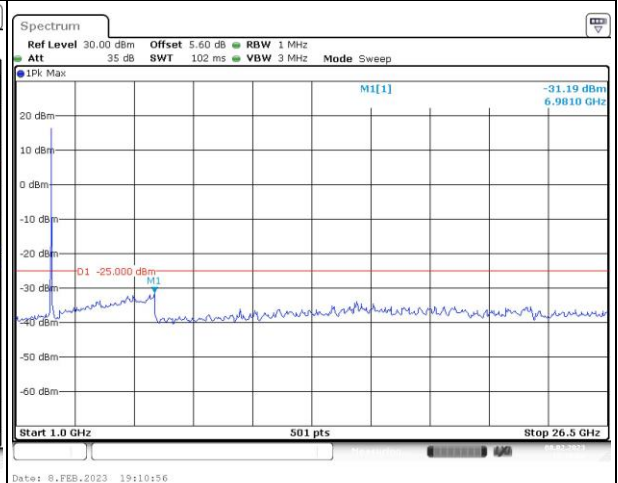
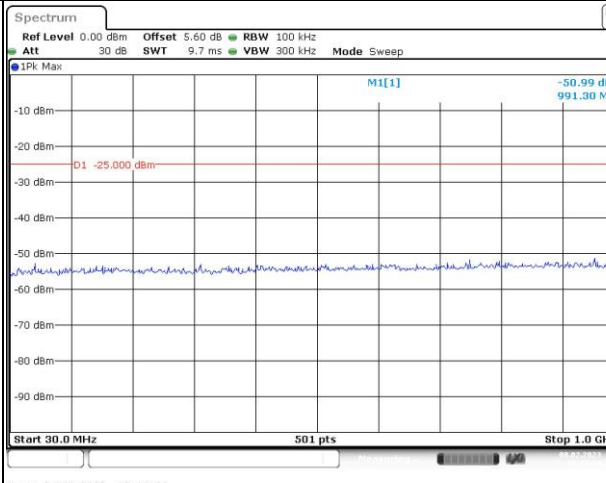
Lowest



Date: 8.FEB.2023 19:09:26

Date: 8.FEB.2023 19:09:59

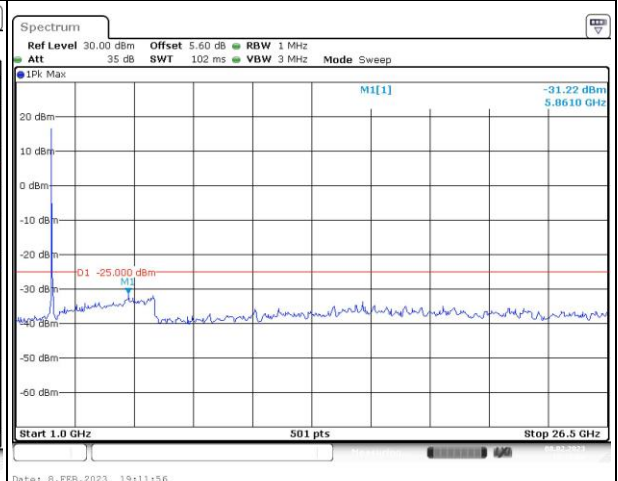
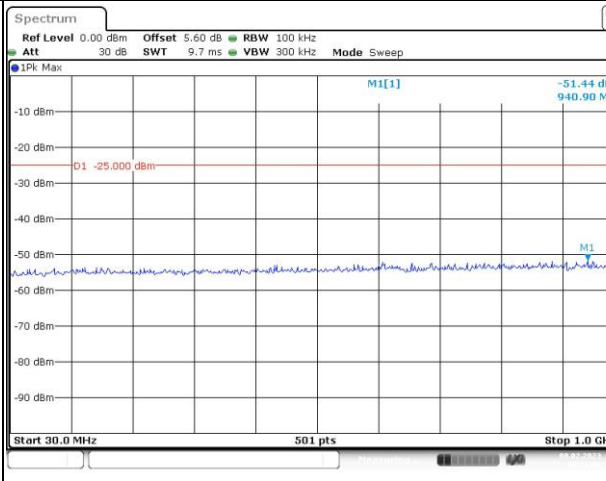
Middle



Date: 8.FEB.2023 19:10:34

Date: 8.FEB.2023 19:10:56

Highest



Date: 8.FEB.2023 19:11:30

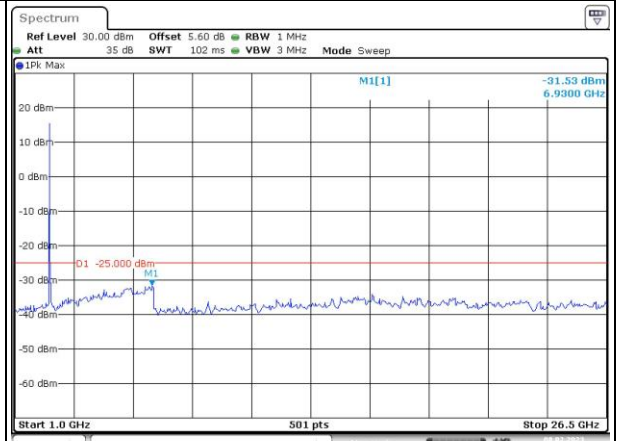
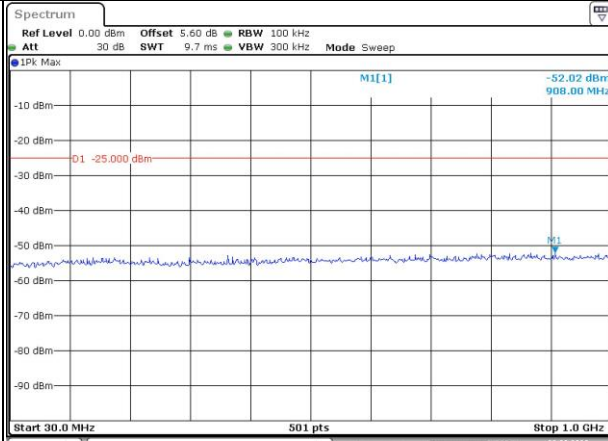
Date: 8.FEB.2023 19:11:56

### Spurious Emissions at Antenna Terminal

Channel

20MHz Bandwidth QPSK

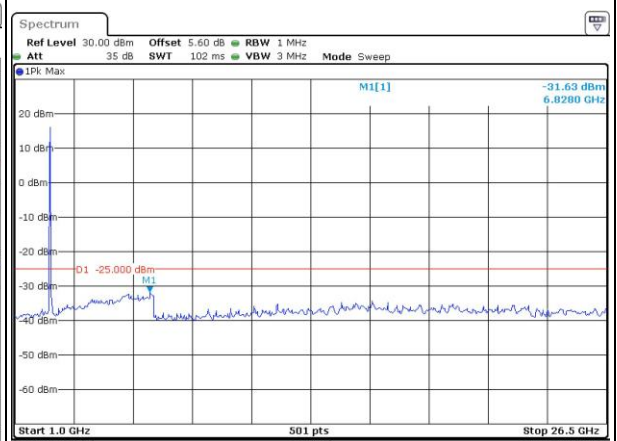
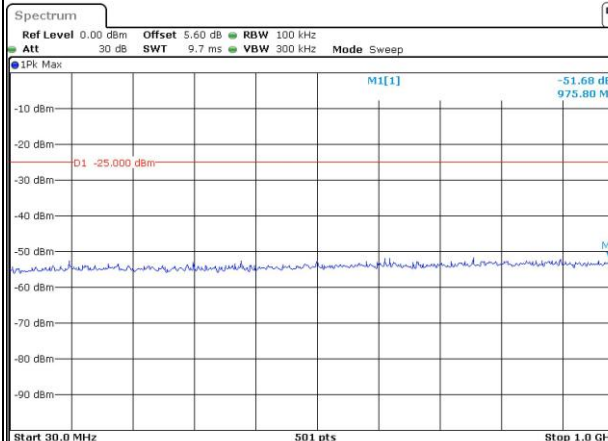
Lowest



Date: 8.FEB.2023 19:13:07

Date: 8.FEB.2023 19:13:40

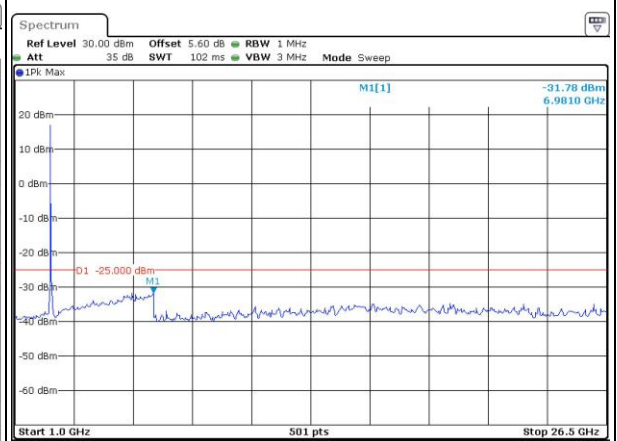
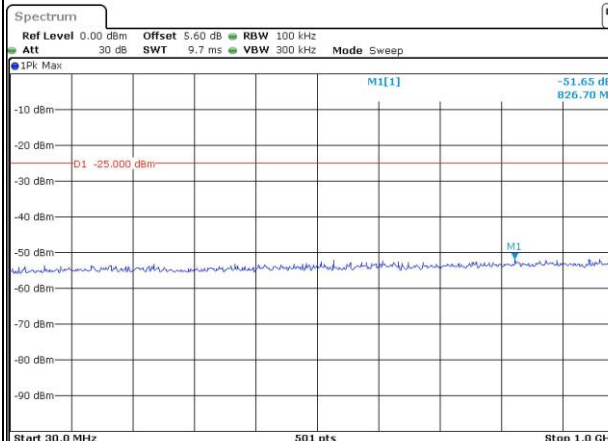
Middle



Date: 8.FEB.2023 19:14:18

Date: 8.FEB.2023 19:14:40

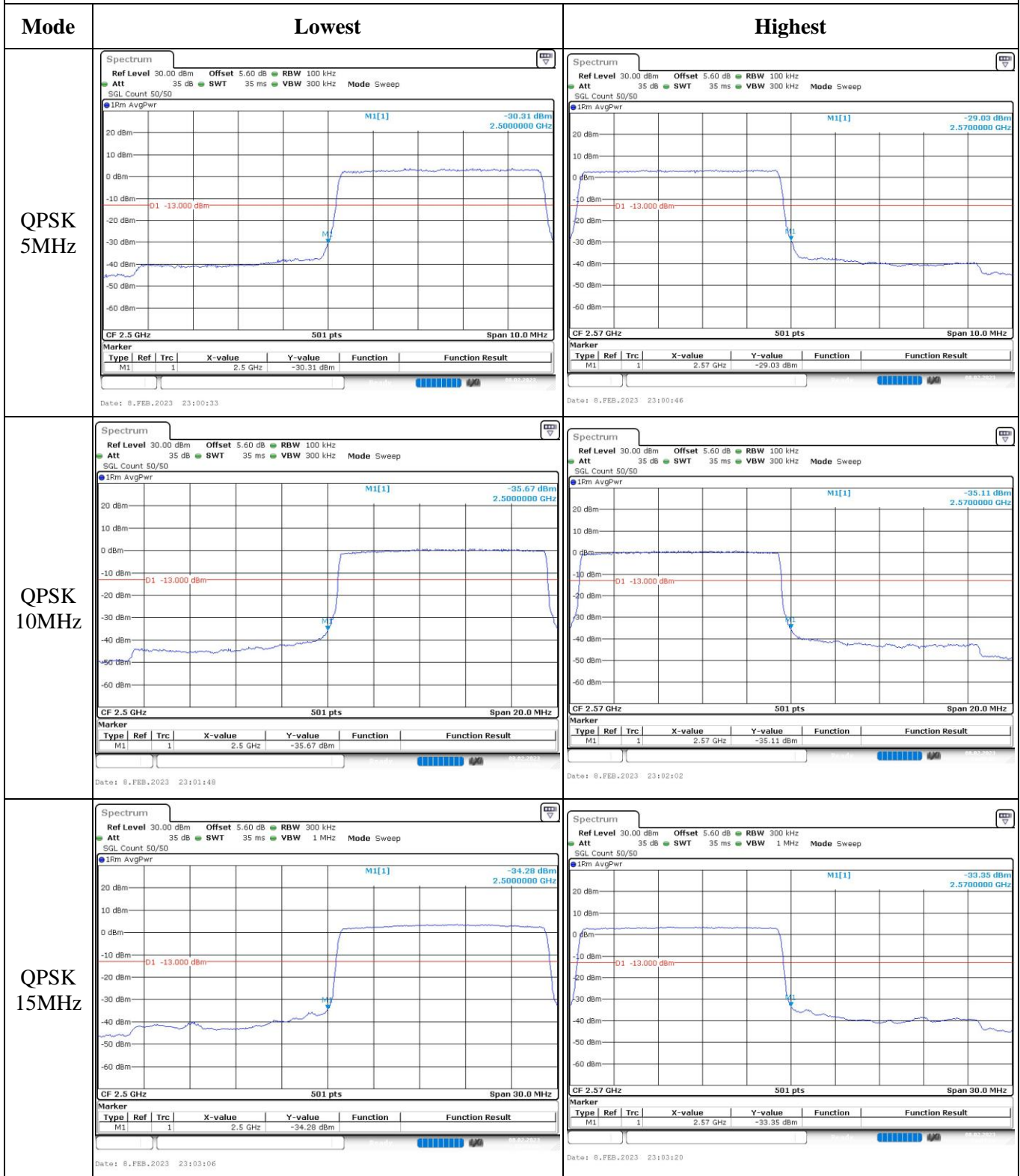
Highest



Date: 8.FEB.2023 19:15:30

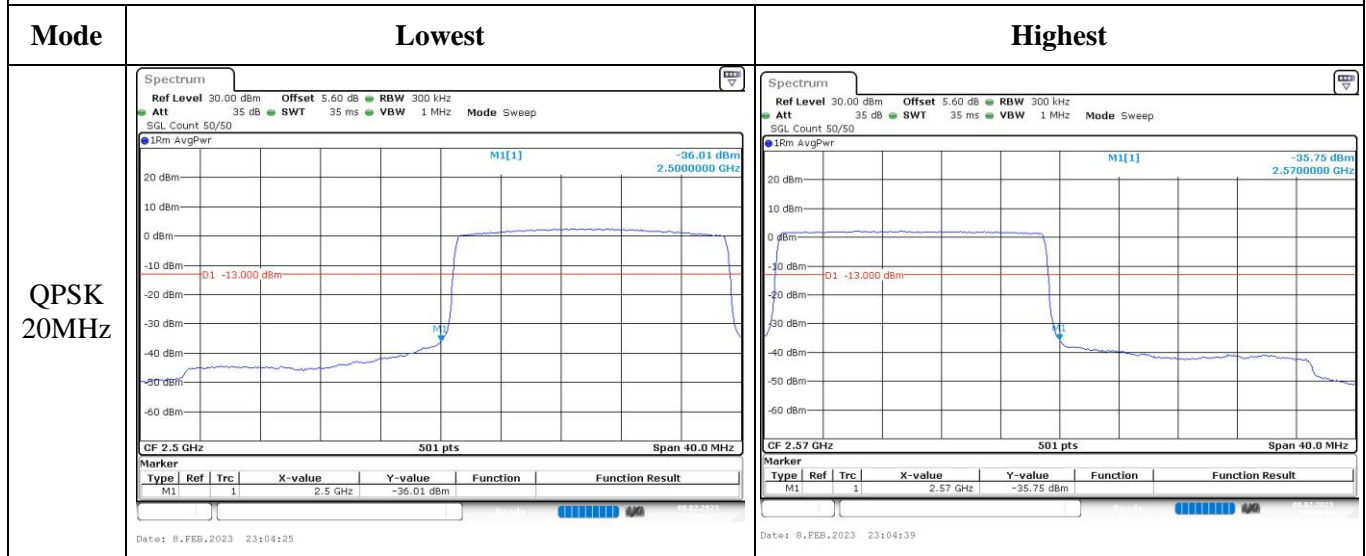
Date: 8.FEB.2023 19:16:03

### Out of band emission, Band Edge

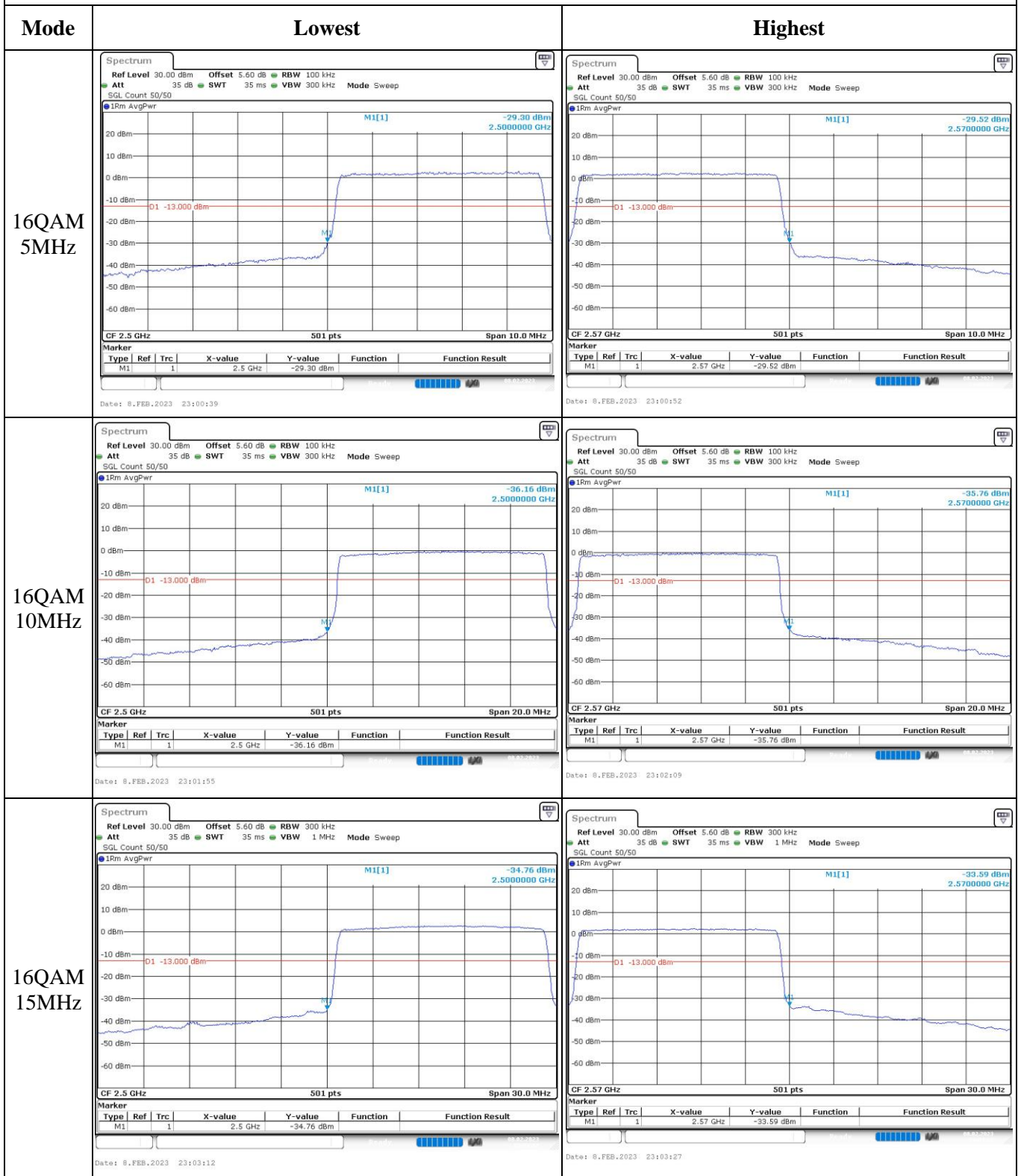




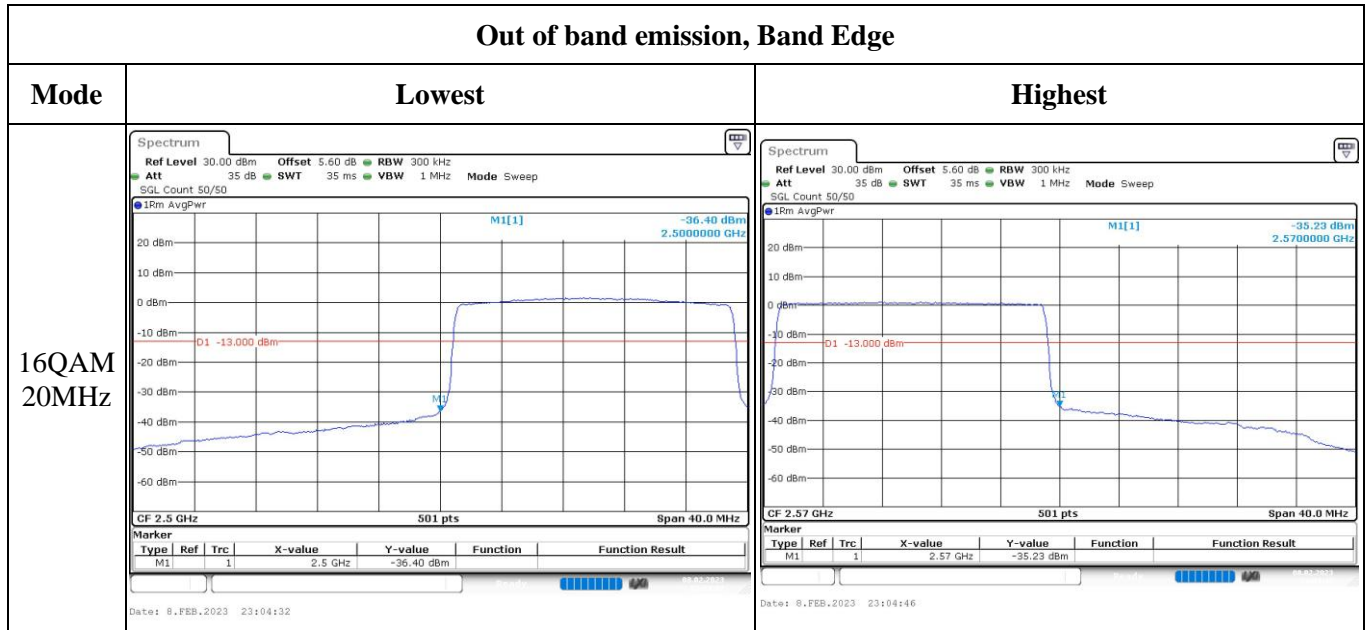
### Out of band emission, Band Edge



### Out of band emission, Band Edge



### Out of band emission, Band Edge



**4.10 Antenna Port Test Data and Results for LTE Band 40**

Serial Number:	1ZO9	Test Date:	2023/2/8~2023/4/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	21.1~24.2	Relative Humidity: (%)	39~53	ATM Pressure: (kPa)	101.2~102.1
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**Test Equipment List and Details:**

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

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

**Test Frequency For Each Mode:**

Operation Band	Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
LTE Band 40 Lower 2305-2315MHz	5MHz	2307.5	/	2312.5
	10MHz	/	2310	/
LTE Band 40 Upper	5MHz	2352.5	/	2357.5
	10MHz	/	2355	/

**Test Data:**

(Note:Uplink Downlink configuration 3 was tested)

**FCC §2.1046; § 27.50(a)(3)****LTE Band 40 Lower:****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	20.69	/	21	23.18	24
	RB1#13	20.76	/	20.98		
	RB1#24	20.82	/	20.89		
	RB15#0	19.82	/	19.79		
	RB15#10	19.86	/	19.85		
	RB25#0	19.88	/	20.04		
5MHz 16QAM	RB1#0	19.36	/	19.89	22.45	24
	RB1#13	19.41	/	19.82		
	RB1#24	19.36	/	20.27		
	RB15#0	18.67	/	18.82		
	RB15#10	18.7	/	18.74		
	RB25#0	18.74	/	18.81		
10MHz QPSK	RB1#0	/	20.92	/	23.24	24
	RB1#25	/	21.06	/		
	RB1#49	/	20.88	/		
	RB25#0	/	19.88	/		
	RB25#25	/	19.98	/		
	RB50#0	/	19.88	/		
10MHz 16QAM	RB1#0	/	20.06	/	22.48	24
	RB1#25	/	20.19	/		
	RB1#49	/	20.3	/		
	RB25#0	/	18.94	/		
	RB25#25	/	18.8	/		
	RB50#0	/	18.89	/		

**EIRP PSD in 5MHz:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted PSD(dBm/5MHz)			Maximum EIRP PSD (dBm/5MHz)	Limit (dBm/5MHz)
		Lowest Channel	Middle Channel	Highest Channel		
10MHz QPSK	RB1#0	/	20.92	/	23.24	24
	RB1#25	/	21.06	/		
	RB1#49	/	20.88	/		
	RB25#0	/	19.88	/		
	RB25#25	/	19.98	/		
	RB50#0	/	17.01	/		

10MHz 16QAM	RB1#0	/	20.06	/	22.48	24
	RB1#25	/	20.19	/		
	RB1#49	/	20.3	/		
	RB25#0	/	18.94	/		
	RB25#25	/	18.8	/		
	RB50#0	/	16.08	/		

Note:

For 5MHz mode, the channel power is equal to the test result in dBm/5MHz.

EIRP=Conducted Power(dBm) - Lc(dB) + Gr(dBi)

EIRP PSD=Conducted PSD(dBm/5MHz) - Lc(dB) + Gr(dBi)

**LTE Band 40 Upper:****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	20.53	/	20.62	22.79	24
	RB1#13	20.59	/	20.74		
	RB1#24	20.6	/	20.7		
	RB15#0	19.66	/	19.74		
	RB15#10	19.8	/	19.9		
	RB25#0	19.78	/	19.64		
5MHz 16QAM	RB1#0	19.91	/	19.39	22.2	24
	RB1#13	20.15	/	19.44		
	RB1#24	20.13	/	19.52		
	RB15#0	18.65	/	18.46		
	RB15#10	18.7	/	18.66		
	RB25#0	18.81	/	18.75		
10MHz QPSK	RB1#0	/	21	/	23.06	24
	RB1#25	/	21.01	/		
	RB1#49	/	20.93	/		
	RB25#0	/	19.73	/		
	RB25#25	/	19.78	/		
	RB50#0	/	19.69	/		
10MHz 16QAM	RB1#0	/	20.13	/	22.45	24
	RB1#25	/	20.4	/		
	RB1#49	/	20.15	/		
	RB25#0	/	18.74	/		
	RB25#25	/	18.6	/		
	RB50#0	/	18.59	/		

<b>EIRP PSD in 5MHz:</b>						
Test Bandwidth & Modulation	Resource Block & RB offset	Conducted PSD(dBm/5MHz)			Maximum EIRP PSD (dBm/5MHz)	Limit (dBm/5MHz)
		Lowest Channel	Middle Channel	Highest Channel		
10MHz QPSK	RB1#0	/	21	/	23.06	24
	RB1#25	/	21.01	/		
	RB1#49	/	20.93	/		
	RB25#0	/	19.73	/		
	RB25#25	/	19.78	/		
	RB50#0	/	16.73	/		
10MHz 16QAM	RB1#0	/	20.13	/	22.45	24
	RB1#25	/	20.4	/		
	RB1#49	/	20.15	/		
	RB25#0	/	18.74	/		
	RB25#25	/	18.6	/		
	RB50#0	/	15.67	/		
Note: For 5MHz mode, the channel power is equal to the test result in dBm/5MHz. $EIRP = \text{Conducted Power(dBm)} - Lc(\text{dB}) + Gt(\text{dBi})$ $EIRP \text{ PSD} = \text{Conducted PSD(dBm/5MHz)} - Lc(\text{dB}) + Gt(\text{dBi})$						
					<b>Result:</b>	<b>Pass</b>

<b>Duty Cycle</b>						
Operation Band	Modulation	Bandwidth	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	Limit (%)
LTE Band 40 Lower	QPSK	5M	3.15	10.01	31.47	38
		10M	3.22	10.08	31.94	38
	16QAM	5M	3.29	10.01	32.87	38
		10M	3.15	10.01	31.47	38
LTE Band 40 Upper	QPSK	5M	3.15	10.01	31.47	38
		10M	3.15	10.01	31.47	38
	16QAM	5M	3.15	10.01	31.47	38
		10M	3.15	10.08	31.25	38
					<b>Result:</b>	<b>Pass</b>

<b>FCC §2.1049, §27.53:Occupied Bandwidth</b>						
<b>LTE Band 40 Lower:</b>						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	/	4.491	5.02	/	4.98
5MHz 16QAM	4.511	/	4.511	5.02	/	4.98
10MHz QPSK	/	8.942	/	/	9.72	/
10MHz 16QAM	/	8.942	/	/	9.6	/
<b>LTE Band 40 Upper:</b>						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	/	4.491	5.04	/	5
5MHz 16QAM	4.531	/	4.531	5.02	/	5
10MHz QPSK	/	8.942	/	/	9.84	/
10MHz 16QAM	/	8.942	/	/	9.64	/
Note: The test plots please refer to the Plots of Occupied Bandwidth						

<b>FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal</b>	
<b>Result:</b>	<b>Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.</b>

<b>FCC §2.1051, §27.53:Out of band emission, Band Edge</b>	
<b>Result:</b>	<b>Pass, Please refer to the test plots of Out of band emission, Band Edge.</b>



**FCC §2.1055, §27.54: Frequency Stability****LTE Band 40 Lower:**

Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>AC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	24	2305.517	2305.000	2314.482	2315.000
	-20	24	2305.540	2305.000	2314.414	2315.000
	-10	24	2305.599	2305.000	2314.492	2315.000
	0	24	2305.571	2305.000	2314.435	2315.000
	10	24	2305.518	2305.000	2314.463	2315.000
	20	24	2305.529	2305.000	2314.471	2315.000
	30	24	2305.528	2305.000	2314.491	2315.000
	40	24	2305.516	2305.000	2314.406	2315.000
	50	24	2305.559	2305.000	2314.465	2315.000
Frequency Stability vs. Voltage	20	15	2305.529	2305.000	2314.488	2315.000
	20	30	2305.507	2305.000	2314.404	2315.000
					<b>Result:</b>	<b>Pass</b>

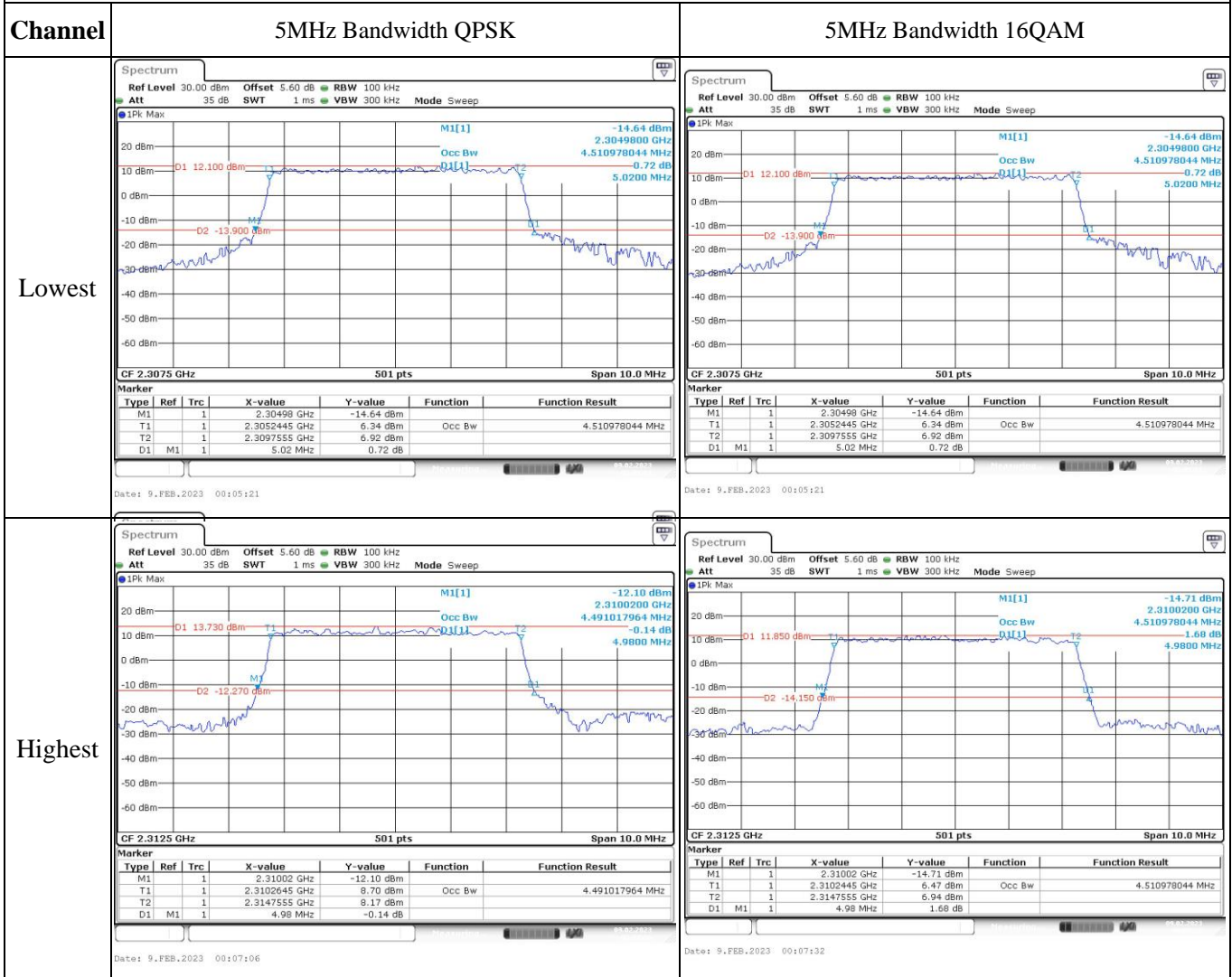
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>AC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	24	2305.575	2305.000	2314.445	2315.000
	-20	24	2305.530	2305.000	2314.476	2315.000
	-10	24	2305.529	2305.000	2314.455	2315.000
	0	24	2305.507	2305.000	2314.485	2315.000
	10	24	2305.577	2305.000	2314.434	2315.000
	20	24	2305.529	2305.000	2314.471	2315.000
	30	24	2305.536	2305.000	2314.412	2315.000
	40	24	2305.519	2305.000	2314.492	2315.000
	50	24	2305.543	2305.000	2314.424	2315.000
Frequency Stability vs. Voltage	20	15	2305.591	2305.000	2314.458	2315.000
	20	30	2305.568	2305.000	2314.407	2315.000
					<b>Result:</b>	<b>Pass</b>

<b>LTE Band 40 Upper:</b>						
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>AC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	24	2350.530	2350.000	2359.411	2360.000
	-20	24	2350.516	2350.000	2359.406	2360.000
	-10	24	2350.533	2350.000	2359.406	2360.000
	0	24	2350.538	2350.000	2359.447	2360.000
	10	24	2350.501	2350.000	2359.436	2360.000
	20	24	2350.529	2350.000	2359.471	2360.000
	30	24	2350.518	2350.000	2359.422	2360.000
	40	24	2350.570	2350.000	2359.451	2360.000
Frequency Stability vs. Voltage	20	15	2350.529	2350.000	2359.460	2360.000
	20	30	2350.501	2350.000	2359.434	2360.000
					<b>Result:</b>	<b>Pass</b>

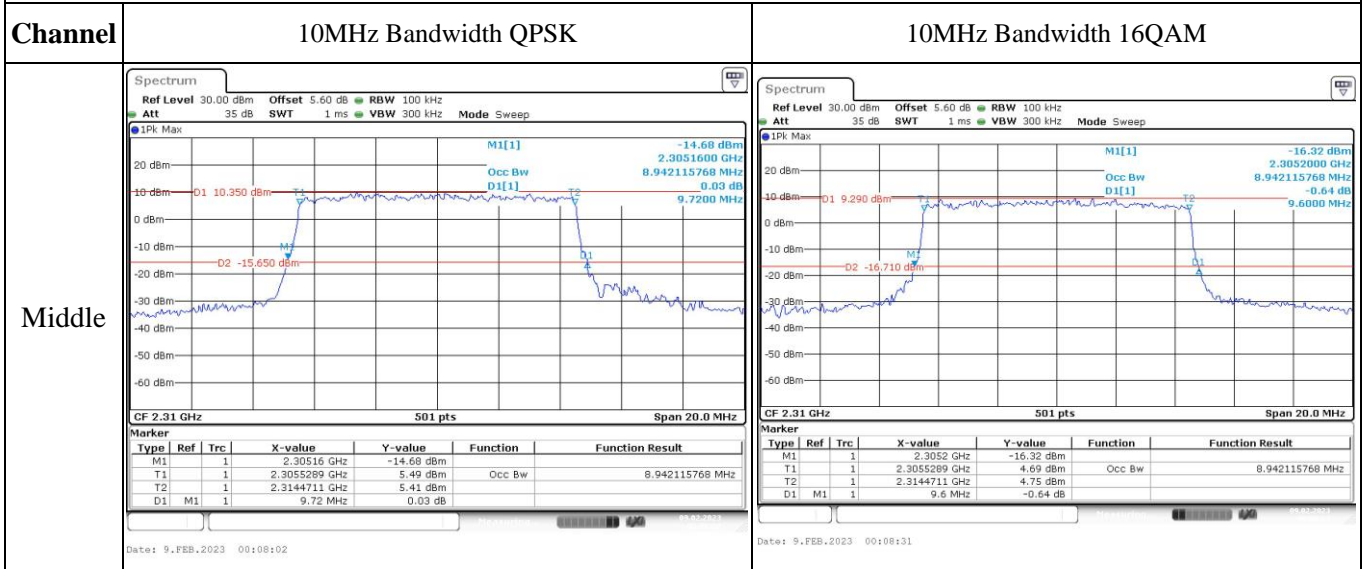
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>AC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	24	2350.511	2350.000	2359.470	2360.000
	-20	24	2350.530	2350.000	2359.428	2360.000
	-10	24	2350.543	2350.000	2359.402	2360.000
	0	24	2350.571	2350.000	2359.486	2360.000
	10	24	2350.582	2350.000	2359.441	2360.000
	20	24	2350.529	2350.000	2359.471	2360.000
	30	24	2350.510	2350.000	2359.454	2360.000
	40	24	2350.521	2350.000	2359.437	2360.000
Frequency Stability vs. Voltage	20	15	2350.542	2350.000	2359.412	2360.000
	20	30	2350.542	2350.000	2359.468	2360.000
					<b>Result:</b>	<b>Pass</b>

**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):  
**2305-2315MHz:**

**Occupied Bandwidth**



### Occupied Bandwidth

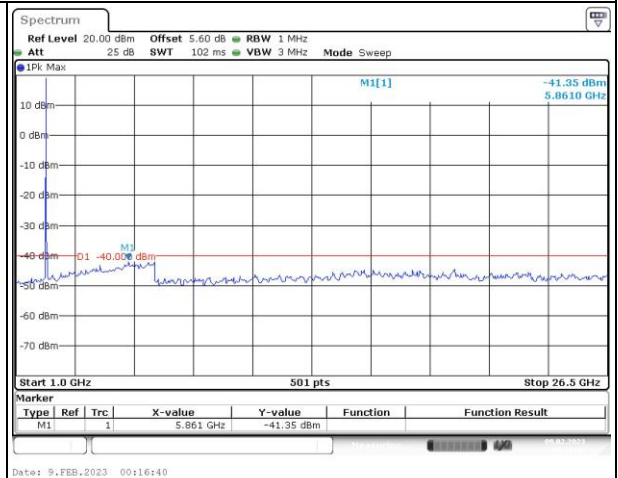
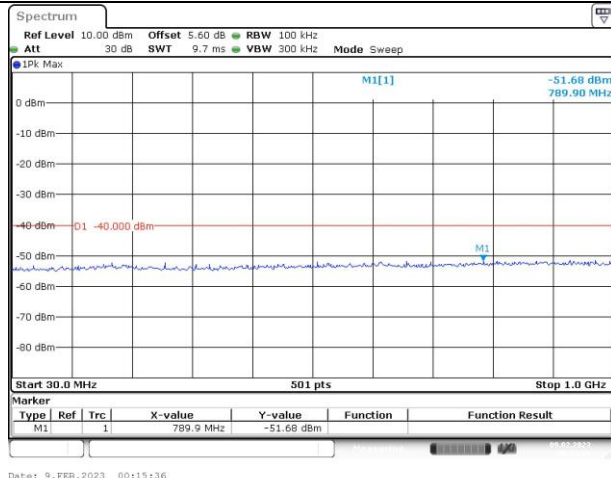


### Spurious Emissions at Antenna Terminal

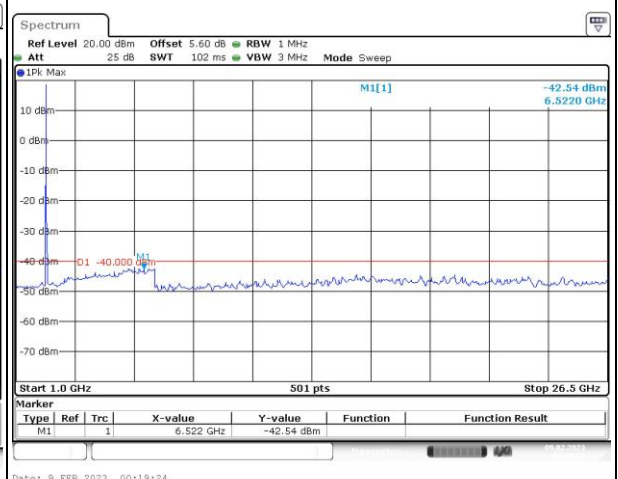
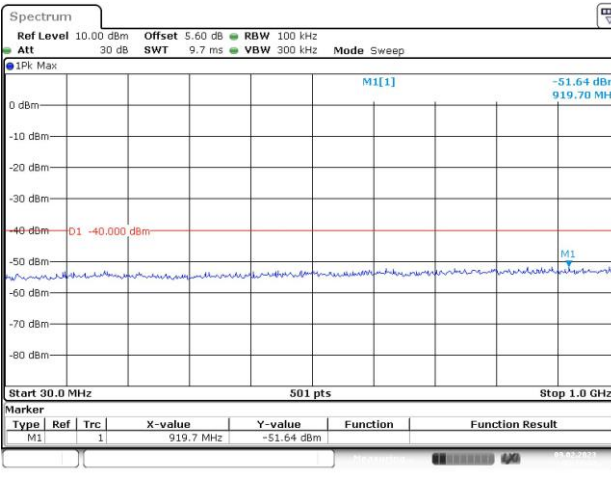
Channel

5MHz Bandwidth QPSK

Lowest



Highest

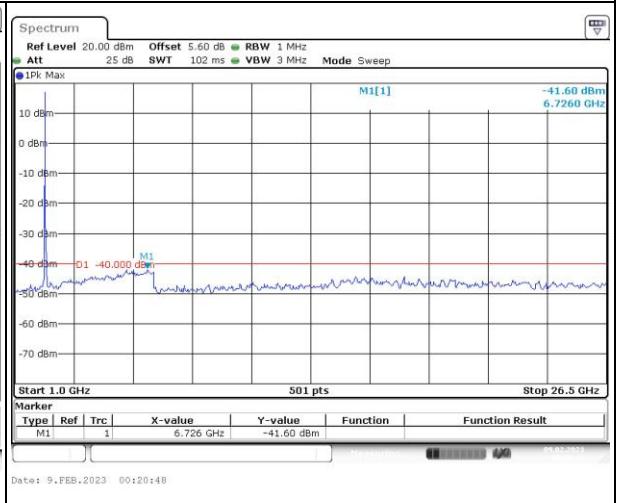
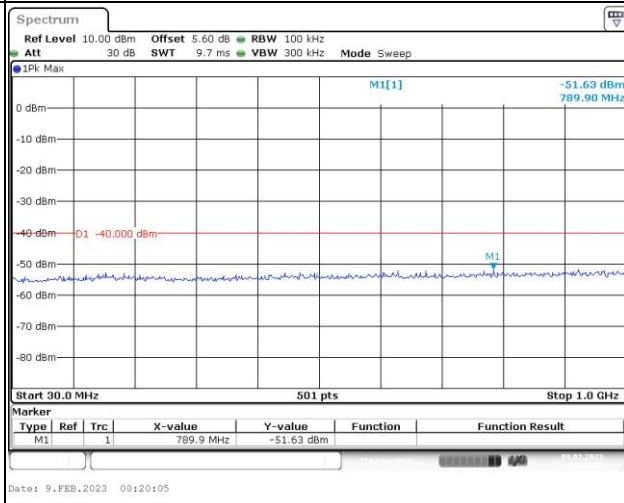


### Spurious Emissions at Antenna Terminal

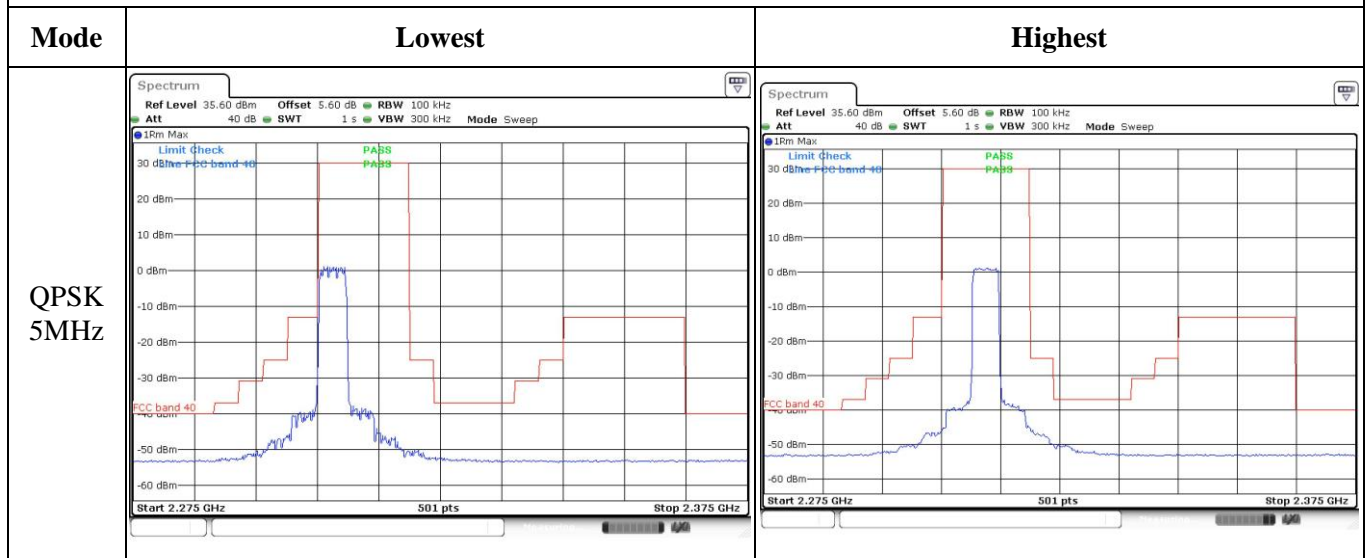
Channel

10MHz Bandwidth QPSK

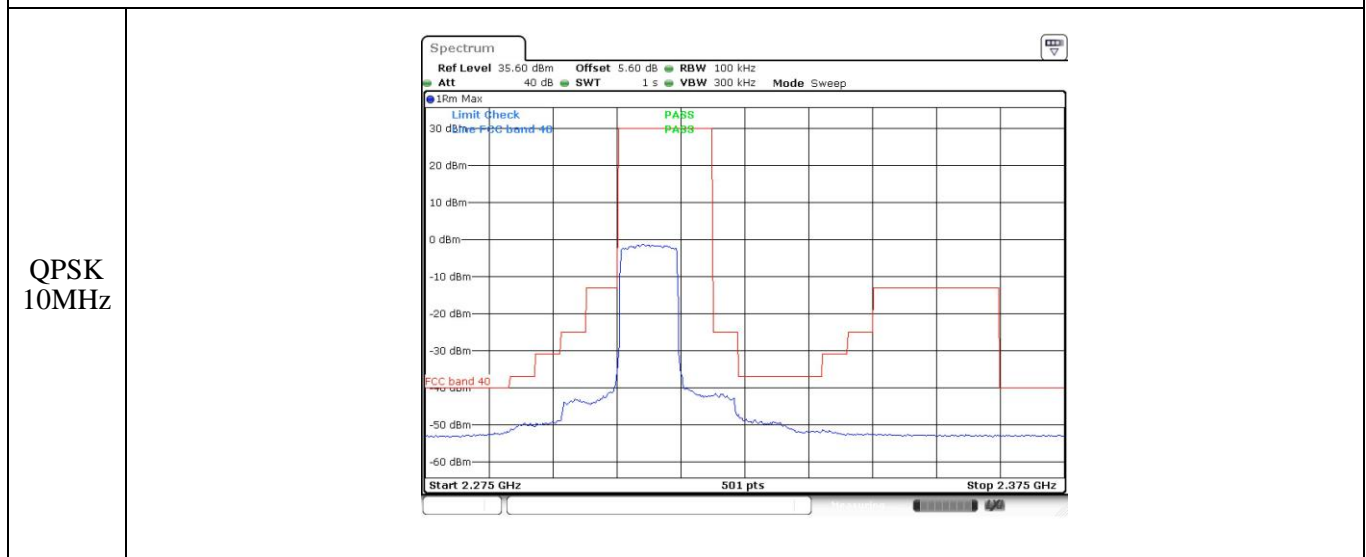
Middle



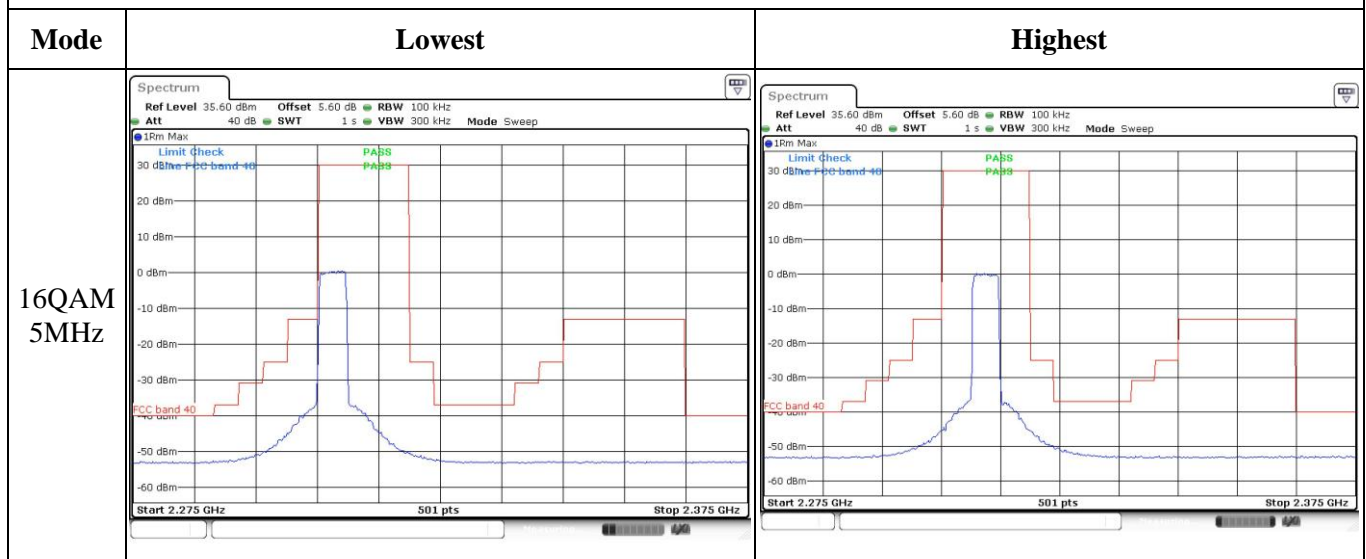
Out of band emission, Band Edge



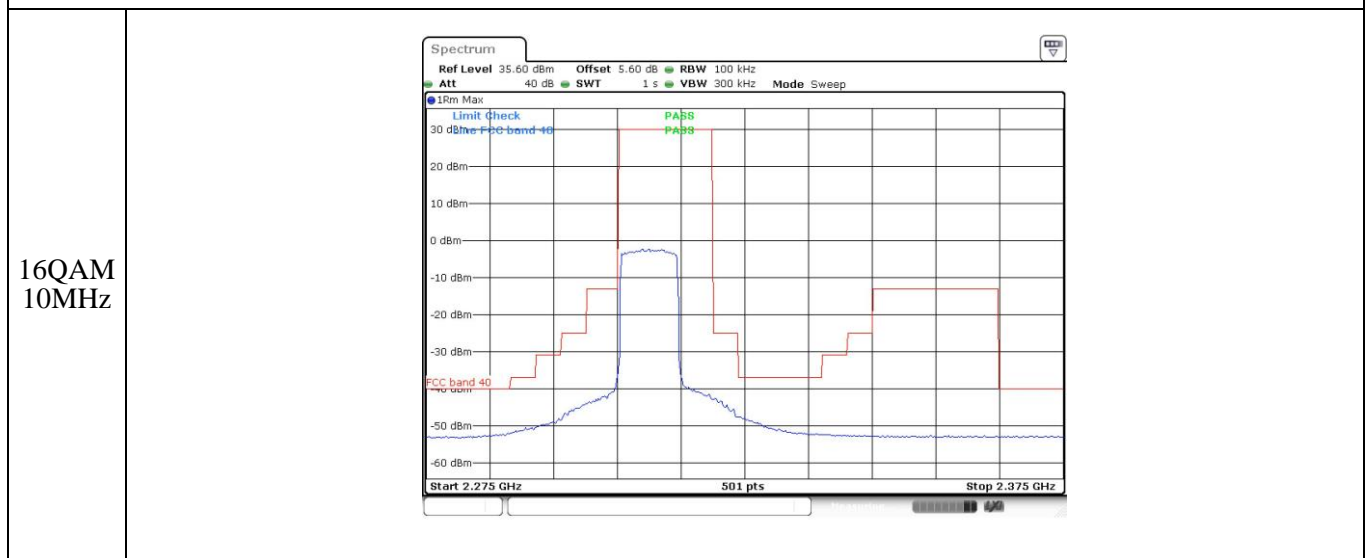
Out of band emission, Band Edge



Out of band emission, Band Edge



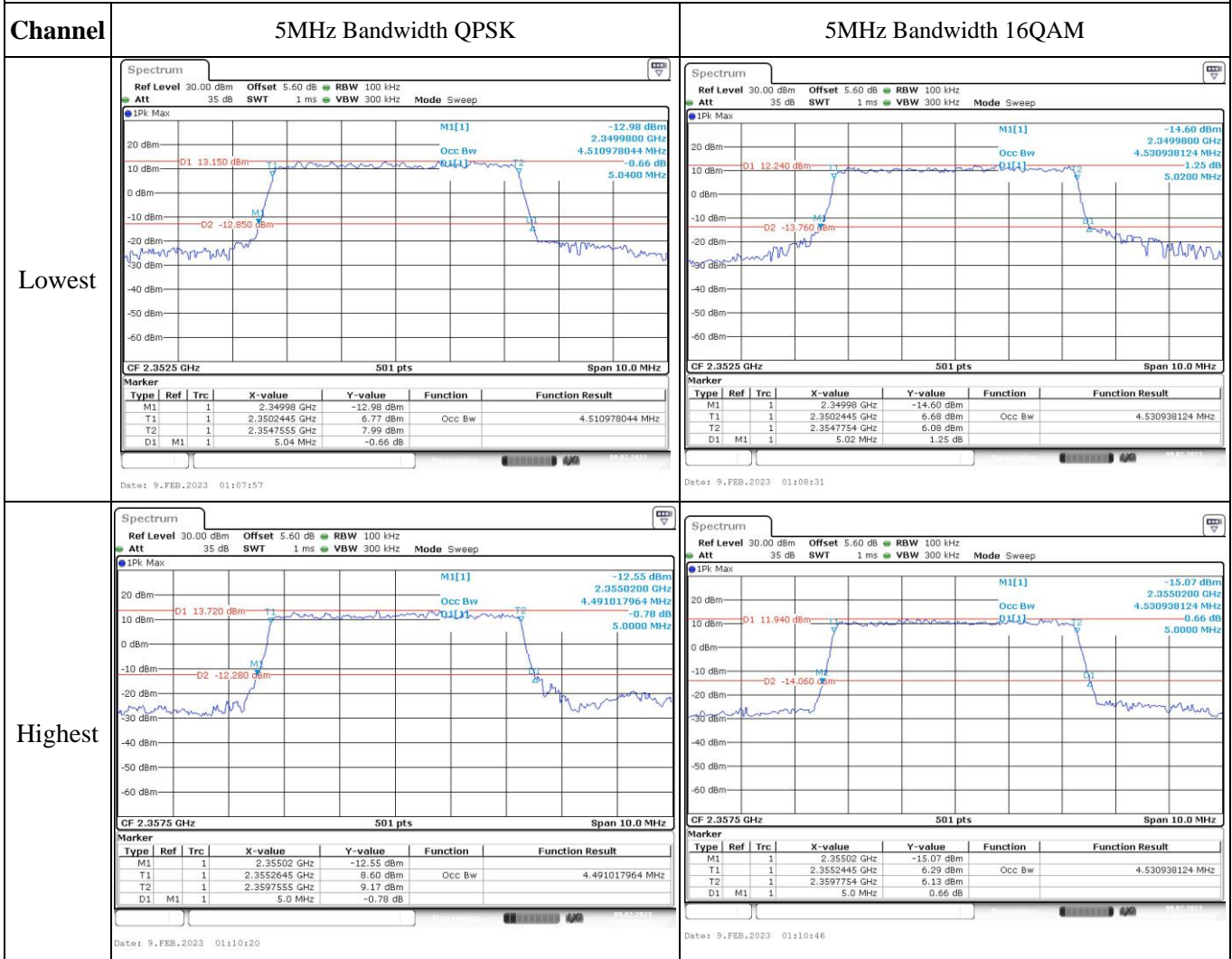
Out of band emission, Band Edge



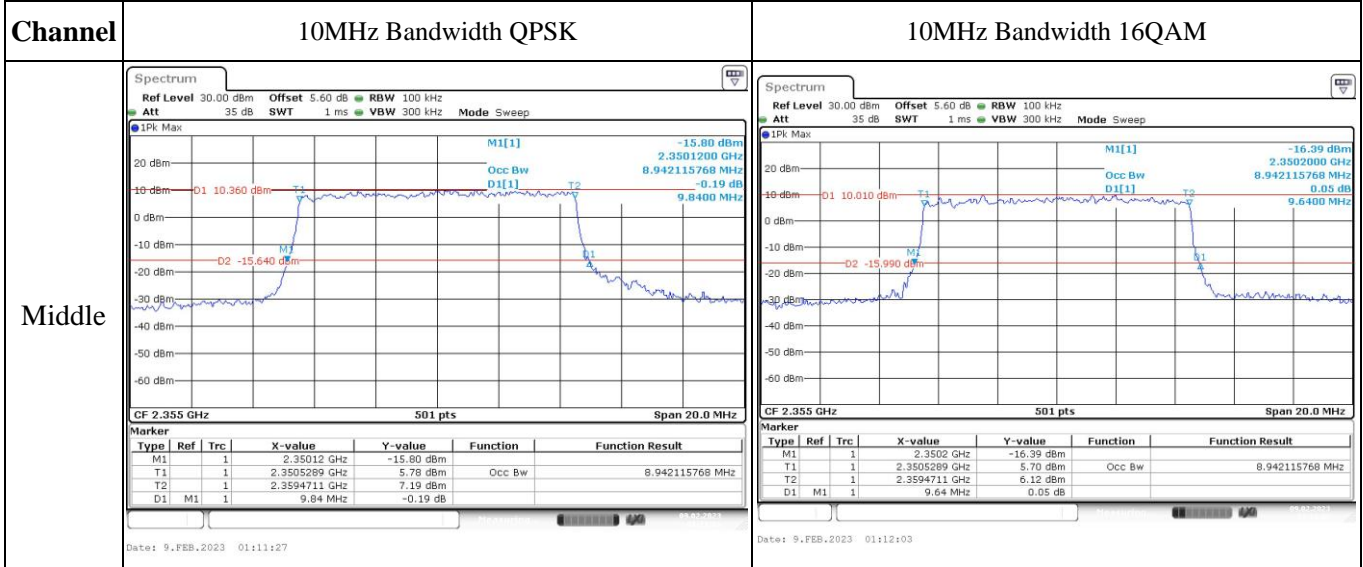


2350-2360MHz:

Occupied Bandwidth



### Occupied Bandwidth

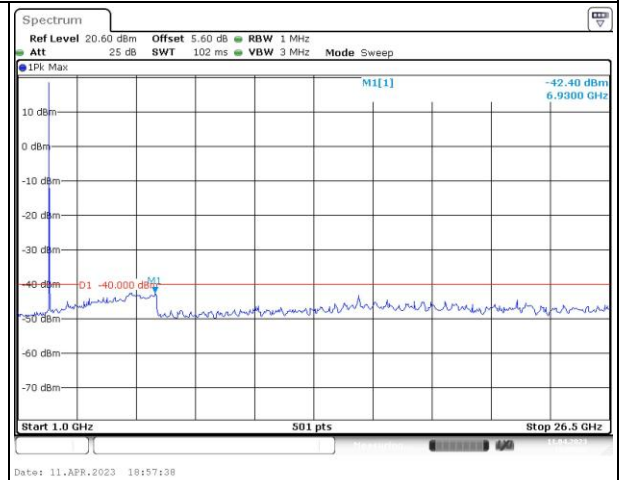
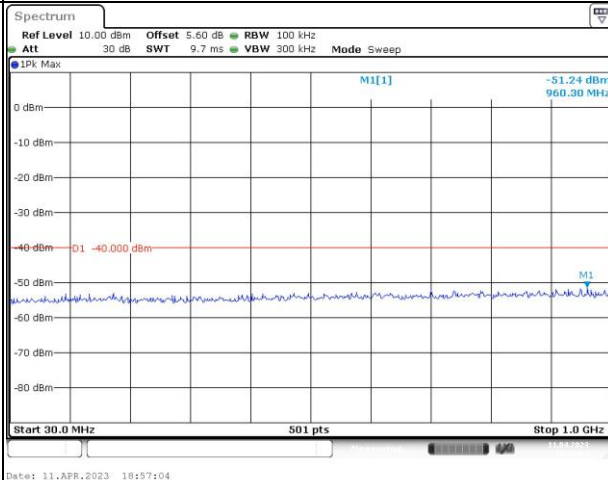


### Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK

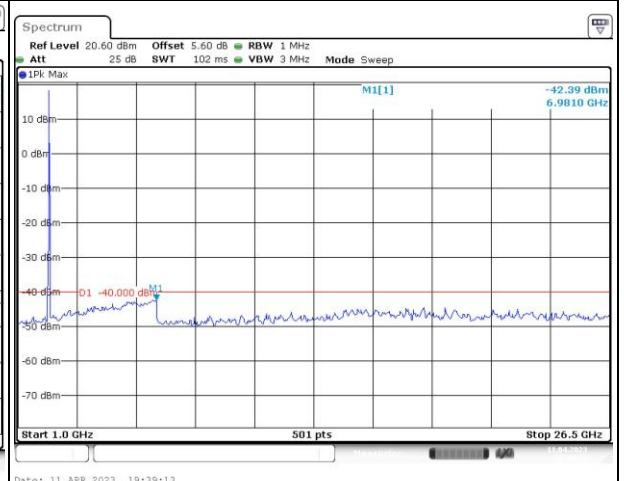
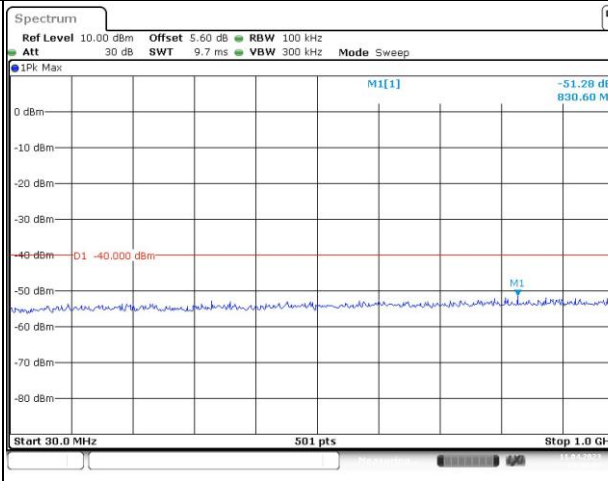
Lowest



Date: 11.APR.2023 18:57:04

Date: 11.APR.2023 18:57:38

Highest



Date: 11.APR.2023 19:38:38

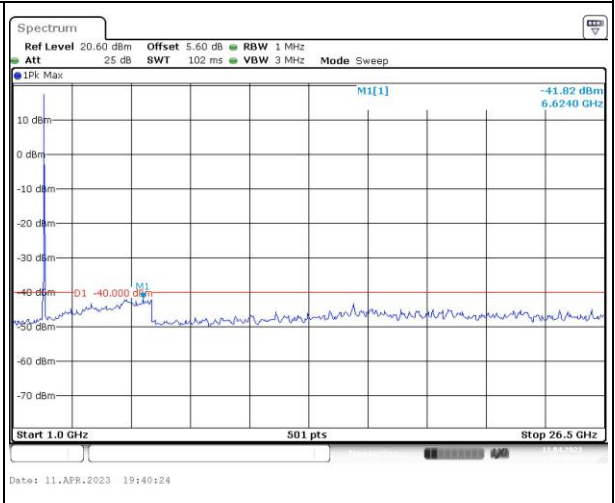
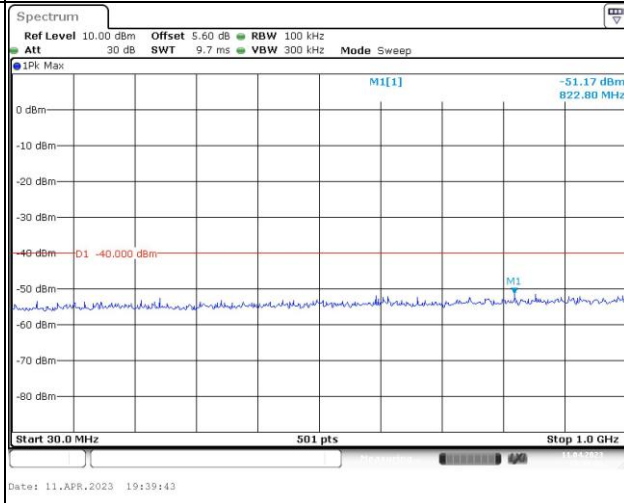
Date: 11.APR.2023 19:39:13

### Spurious Emissions at Antenna Terminal

Channel

10MHz Bandwidth QPSK

Middle



Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz	<p>Spectrum Ref Level 35.60 dBm Offset 5.60 dB RBW 100 kHz Att 40 dB SWT 1 s VBW 300 kHz Mode Sweep 1Rm Max Limit Check 30 dBm FCC band edge 40 dBm PASS PASS Start 2.275 GHz 501 pts Stop 2.375 GHz</p>	<p>Spectrum Ref Level 35.60 dBm Offset 5.60 dB RBW 100 kHz Att 40 dB SWT 1 s VBW 300 kHz Mode Sweep 1Rm Max Limit Check 30 dBm FCC band edge 40 dBm PASS PASS Start 2.275 GHz 501 pts Stop 2.375 GHz</p>
QPSK 10MHz	<p>Spectrum Ref Level 35.60 dBm Offset 5.60 dB RBW 100 kHz Att 40 dB SWT 2 s VBW 300 kHz Mode Sweep 1Rm Max Limit Check 30 dBm FCC band edge 40 dBm PASS PASS Start 2.275 GHz 501 pts Stop 2.375 GHz</p>	

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz		
16QAM 10MHz		

**4.11 Radiated Spurious Emissions**

Serial Number:	1ZO9	Test Date:	2023/3/2
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Vic Du, coco Tian	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	23.5~24.4	Relative Humidity: (%)	41~44	ATM Pressure: (kPa)	102.4
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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	2022/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200- 70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362- 300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720- 300300	99G1448	2022/07/17	2023/07/16
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021/02/05	2024/02/04
AH	Preamplifier	PAM-1840VH	190	2022/11/09	2023/11/08
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/02/05	2024/02/04
PASTERNAK	Horn Antenna	PE9850/2F-20	072002	2021/02/05	2024/02/04
MICRO-COAX	Coaxial Cable	UFB142A-1-2362- 200200	235772-001	2022/08/07	2023/08/06

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

**Test Data:**

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X,Y, Z Axis according to C63.26 figure 5, the worst orientation was photographed and 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)			
GPRS 850 Frequency:824.2MHz								
622.56	H	31.94	-41.80	0.00	0.48	-42.28	-13.00	29.28
655.56	V	40.03	-30.69	0.00	0.52	-31.21	-13.00	18.21
1648.400	H	53.62	-50.71	8.68	0.80	-42.83	-13.00	29.83
1648.400	V	67.40	-37.01	8.68	0.80	-29.13	-13.00	16.13
2472.600	H	48.58	-52.20	9.38	1.00	-43.82	-13.00	30.82
2472.600	V	59.65	-41.08	9.38	1.00	-32.70	-13.00	19.70
3296.800	H	34.36	-62.32	10.32	1.15	-53.15	-13.00	40.15
3296.800	V	48.32	-48.12	10.32	1.15	-38.95	-13.00	25.95
GPRS 850 Frequency:836.6MHz								
635.16	H	33.55	-40.12	0.00	0.52	-40.64	-13.00	27.64
635.16	V	37.83	-33.26	0.00	0.52	-33.78	-13.00	20.78
1673.200	H	52.71	-51.60	8.71	0.85	-43.74	-13.00	30.74
1673.200	V	58.59	-45.82	8.71	0.85	-37.96	-13.00	24.96
2509.800	H	56.70	-43.91	9.42	1.01	-35.50	-13.00	22.50
2509.800	V	52.09	-48.53	9.42	1.01	-40.12	-13.00	27.12
3346.400	H	37.35	-59.82	10.34	1.16	-50.64	-13.00	37.64
3346.400	V	36.80	-60.23	10.34	1.16	-51.05	-13.00	38.05
GPRS 850 Frequency:848.8MHz								
646.79	H	34.37	-39.24	0.00	0.52	-39.76	-13.00	26.76
646.79	V	42.65	-28.23	0.00	0.52	-28.75	-13.00	15.75
1697.600	H	49.29	-55.00	8.74	0.90	-47.16	-13.00	34.16
1697.600	V	52.26	-52.16	8.74	0.90	-44.32	-13.00	31.32
2546.400	H	41.66	-58.67	9.47	1.01	-50.21	-13.00	37.21
2546.400	V	42.34	-57.94	9.47	1.01	-49.48	-13.00	36.48
3395.200	H	36.18	-61.51	10.36	1.19	-52.34	-13.00	39.34
3395.200	V	35.63	-62.03	10.36	1.19	-52.86	-13.00	39.86



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								
236.94	H	19.37	-61.55	0.00	0.29	-61.84	-13.00	48.84
221.68	V	19.60	-59.24	0.00	0.27	-59.51	-13.00	46.51
1652.800	H	37.35	-66.98	8.68	0.81	-59.11	-13.00	46.11
1652.800	V	36.12	-68.29	8.68	0.81	-60.42	-13.00	47.42
2479.200	H	41.71	-59.05	9.39	1.01	-50.67	-13.00	37.67
2479.200	V	39.22	-61.51	9.39	1.01	-53.13	-13.00	40.13
3305.600	H	34.99	-61.74	10.32	1.15	-52.57	-13.00	39.57
3305.600	V	33.20	-63.30	10.32	1.15	-54.13	-13.00	41.13
WCDMA Band 5 Frequency:836.6MHz								
285.28	H	19.75	-60.05	0.00	0.32	-60.37	-13.00	47.37
168.09	V	19.46	-57.90	0.00	0.24	-58.14	-13.00	45.14
1673.200	H	37.57	-66.74	8.71	0.85	-58.88	-13.00	45.88
1673.200	V	38.32	-66.09	8.71	0.85	-58.23	-13.00	45.23
2509.800	H	35.63	-64.98	9.42	1.01	-56.57	-13.00	43.57
2509.800	V	36.74	-63.88	9.42	1.01	-55.47	-13.00	42.47
3346.400	H	34.92	-62.25	10.34	1.16	-53.07	-13.00	40.07
3346.400	V	34.06	-62.97	10.34	1.16	-53.79	-13.00	40.79
WCDMA Band 5 Frequency:846.6MHz								
110.40	H	17.48	-63.39	0.00	0.19	-63.58	-13.00	50.58
266.91	V	18.65	-60.46	0.00	0.31	-60.77	-13.00	47.77
1693.200	H	39.14	-65.16	8.73	0.89	-57.32	-13.00	44.32
1693.200	V	37.98	-66.44	8.73	0.89	-58.60	-13.00	45.60
2539.800	H	35.66	-64.72	9.46	1.01	-56.27	-13.00	43.27
2539.800	V	35.36	-64.98	9.46	1.01	-56.53	-13.00	43.53
3386.400	H	35.79	-61.80	10.35	1.18	-52.63	-13.00	39.63
3386.400	V	35.23	-62.31	10.35	1.18	-53.14	-13.00	40.14

## 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)			
GPRS 1900 Frequency:1850.2MHz								
326.04	H	44.22	-66.11	0.00	0.34	-66.45	-13.00	53.45
537.29	V	50.18	-52.89	0.00	0.46	-53.35	-13.00	40.35
3700.400	H	44.27	-53.05	10.60	1.25	-43.70	-13.00	30.70
3700.400	V	40.04	-57.26	10.60	1.25	-47.91	-13.00	34.91
5550.600	H	38.50	-54.76	11.44	1.49	-44.81	-13.00	31.81
5550.600	V	39.18	-53.92	11.44	1.49	-43.97	-13.00	30.97
GPRS 1900 Frequency:1880MHz								
403.56	H	42.55	-66.58	0.00	0.41	-66.99	-13.00	53.99
614.81	V	51.05	-52.30	0.00	0.48	-52.78	-13.00	39.78
3760.000	H	41.87	-54.54	10.66	1.24	-45.12	-13.00	32.12
3760.000	V	39.26	-57.03	10.66	1.24	-47.61	-13.00	34.61
5640.000	H	38.83	-54.62	11.33	1.54	-44.83	-13.00	31.83
5640.000	V	38.11	-55.22	11.33	1.54	-45.43	-13.00	32.43
GPRS 1900 Frequency:1909.8MHz								
671.98	H	40.90	-63.77	0.00	0.50	-64.27	-13.00	51.27
499.50	V	48.53	-54.18	0.00	0.45	-54.63	-13.00	41.63
3819.600	H	46.86	-49.00	10.72	1.29	-39.57	-13.00	26.57
3819.600	V	40.54	-55.18	10.72	1.29	-45.75	-13.00	32.75
5729.400	H	38.78	-54.70	11.22	1.59	-45.07	-13.00	32.07
5729.400	V	37.89	-55.47	11.22	1.59	-45.84	-13.00	32.84