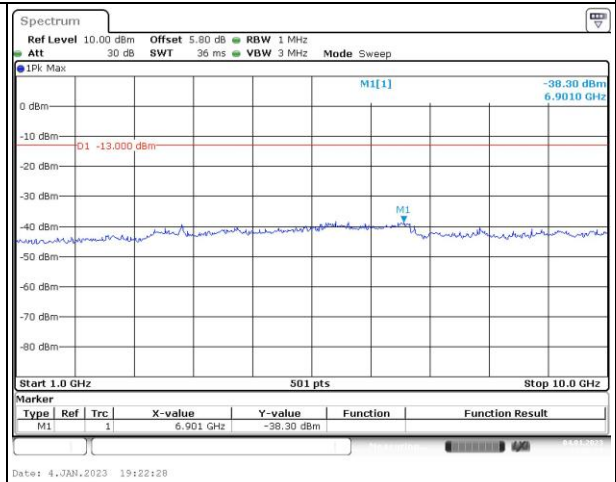
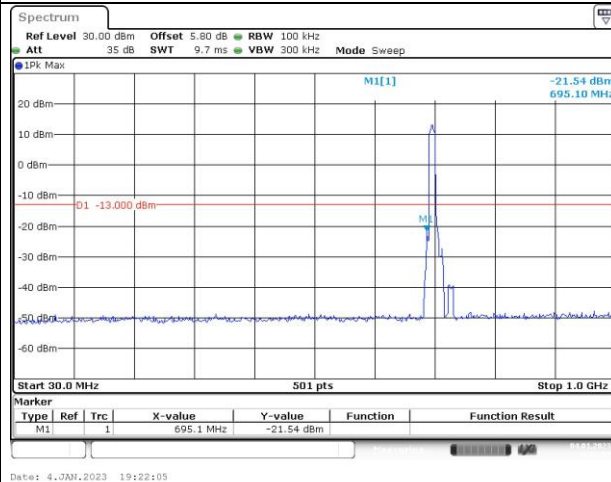


Spurious Emissions at Antenna Terminal

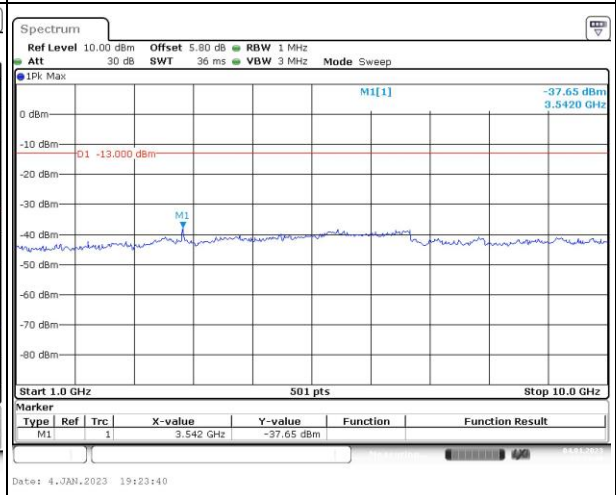
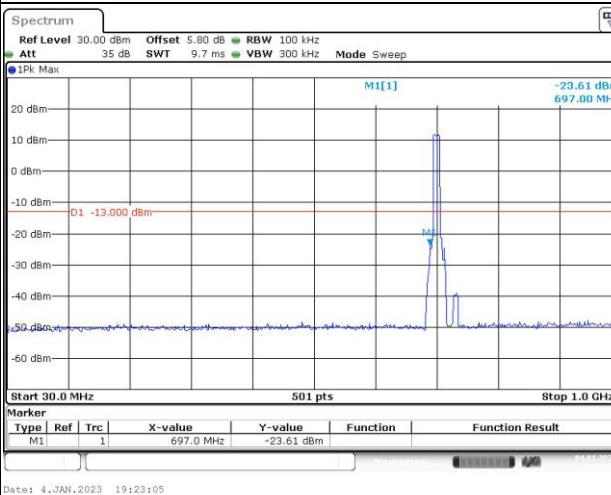
Channel

10MHz Bandwidth QPSK

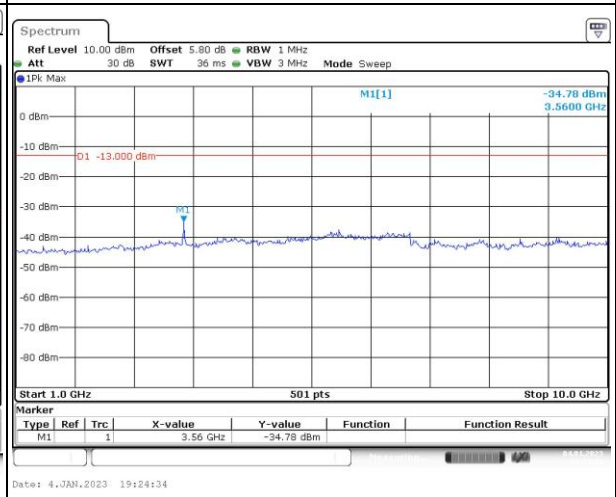
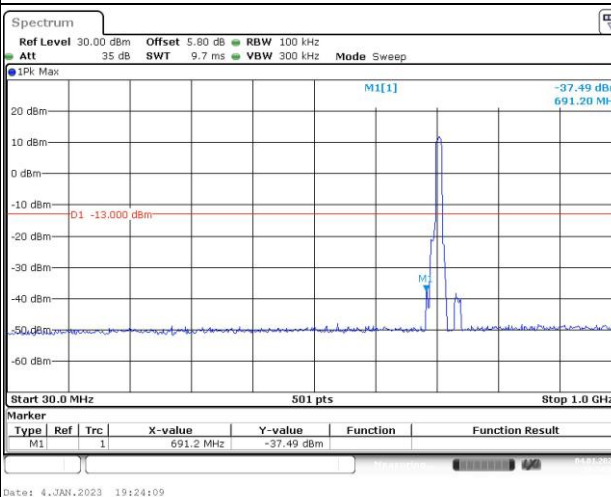
Lowest



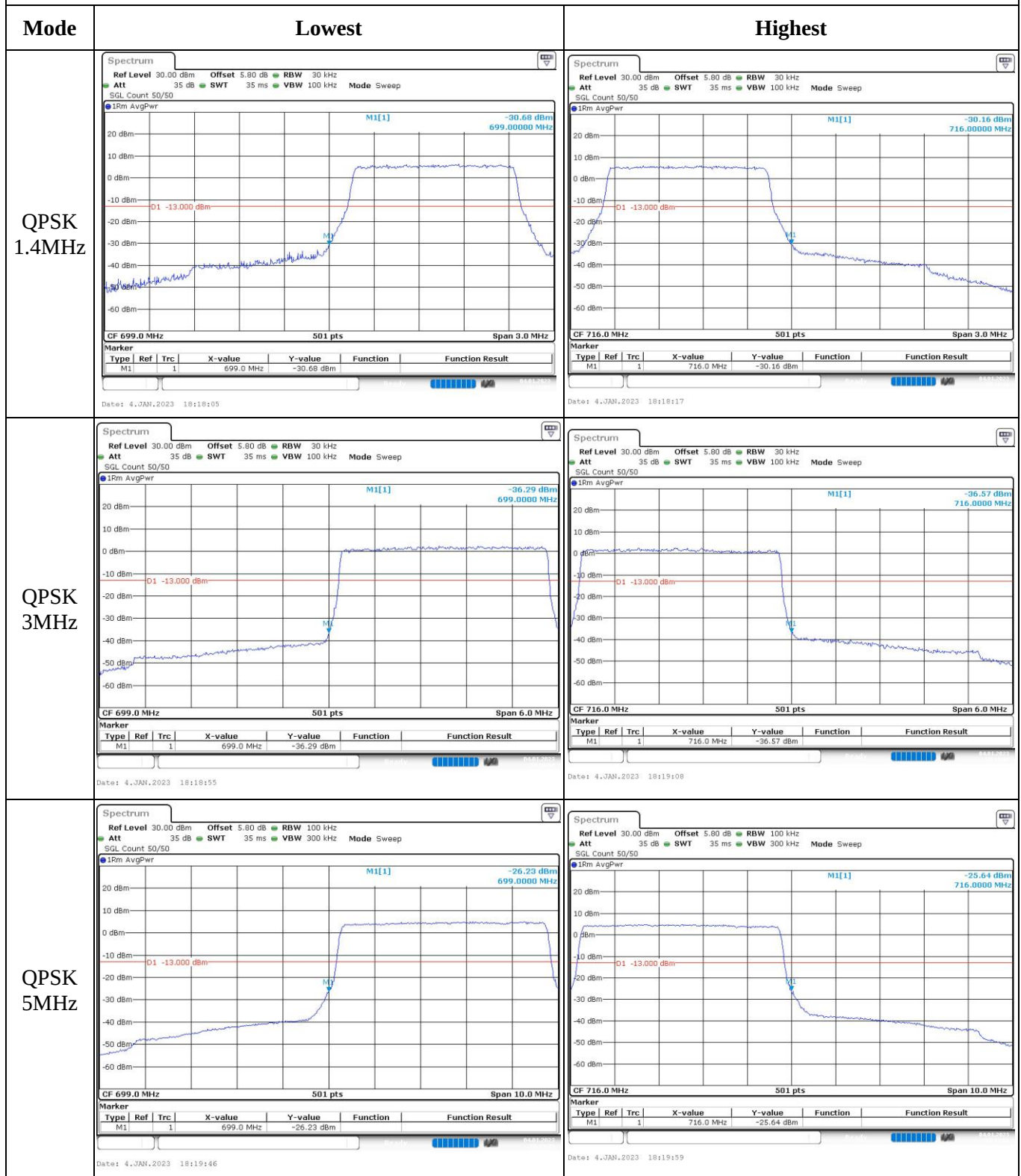
Middle



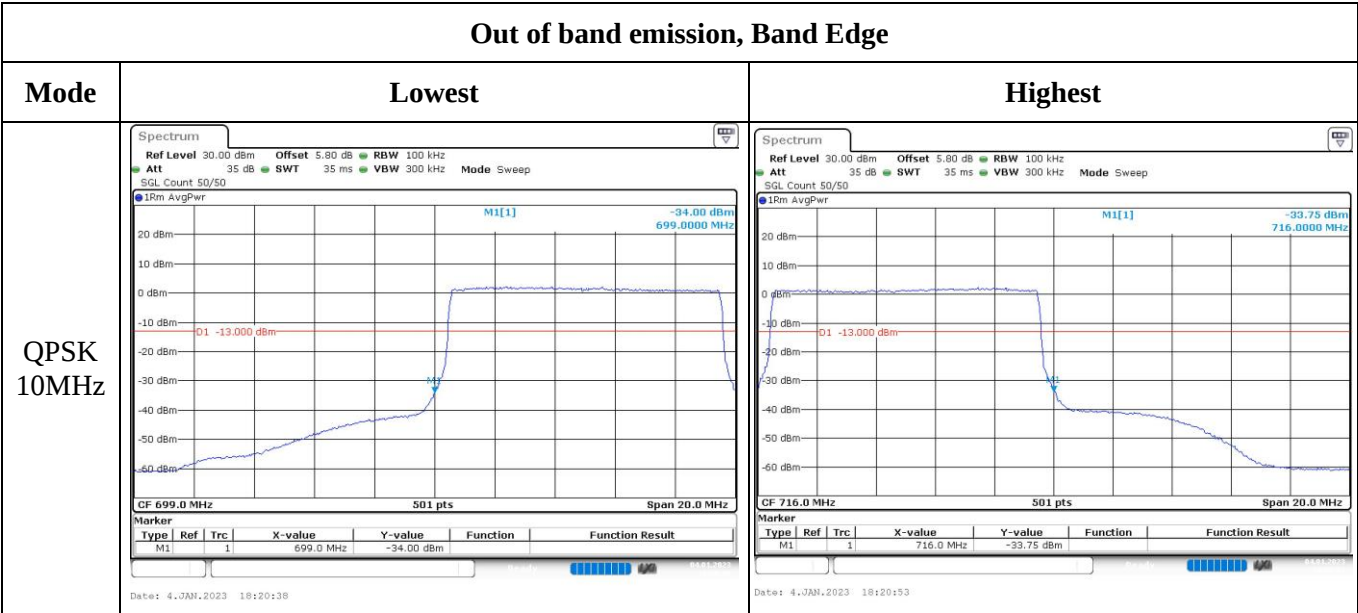
Highest



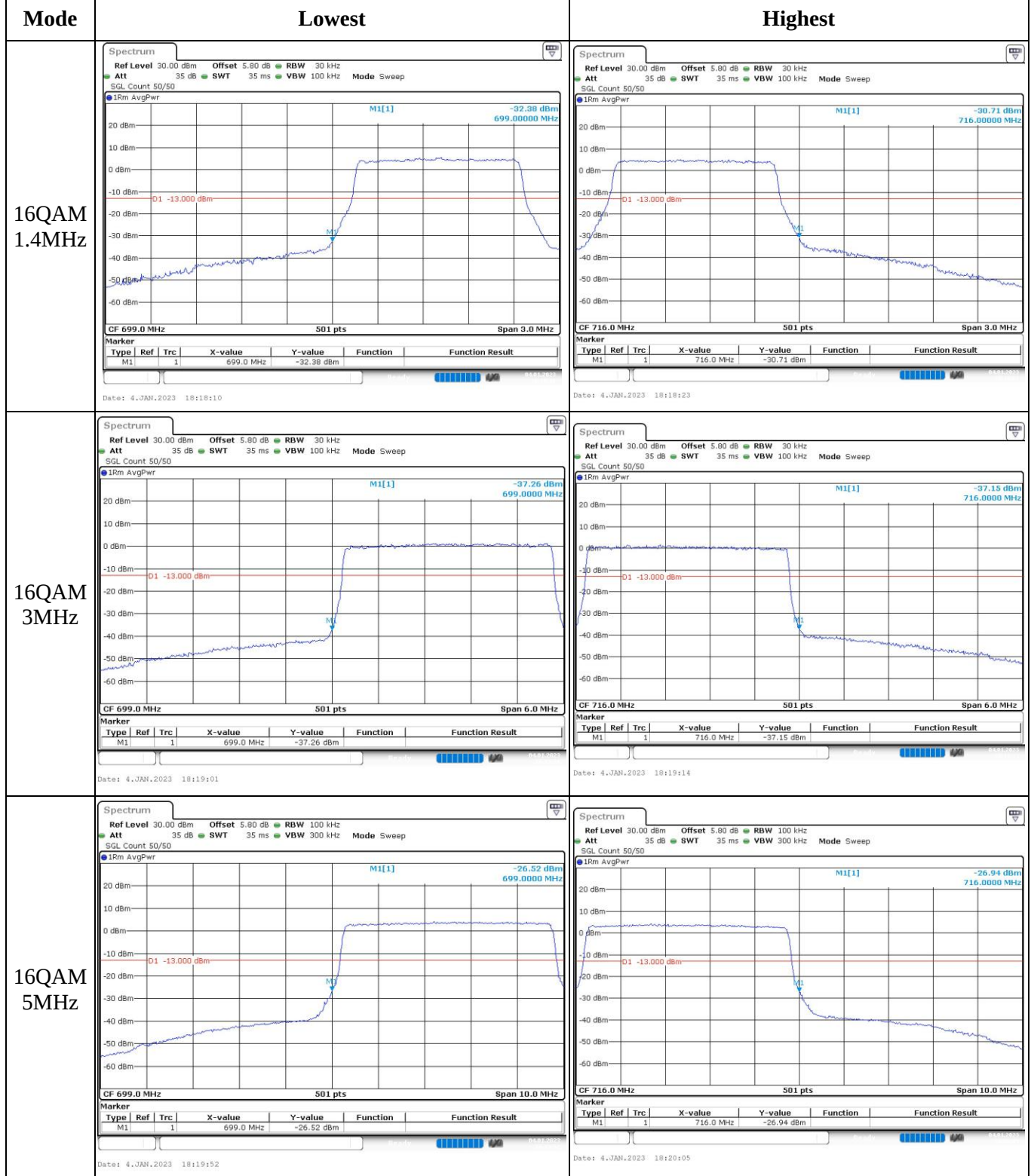
Out of band emission, Band Edge



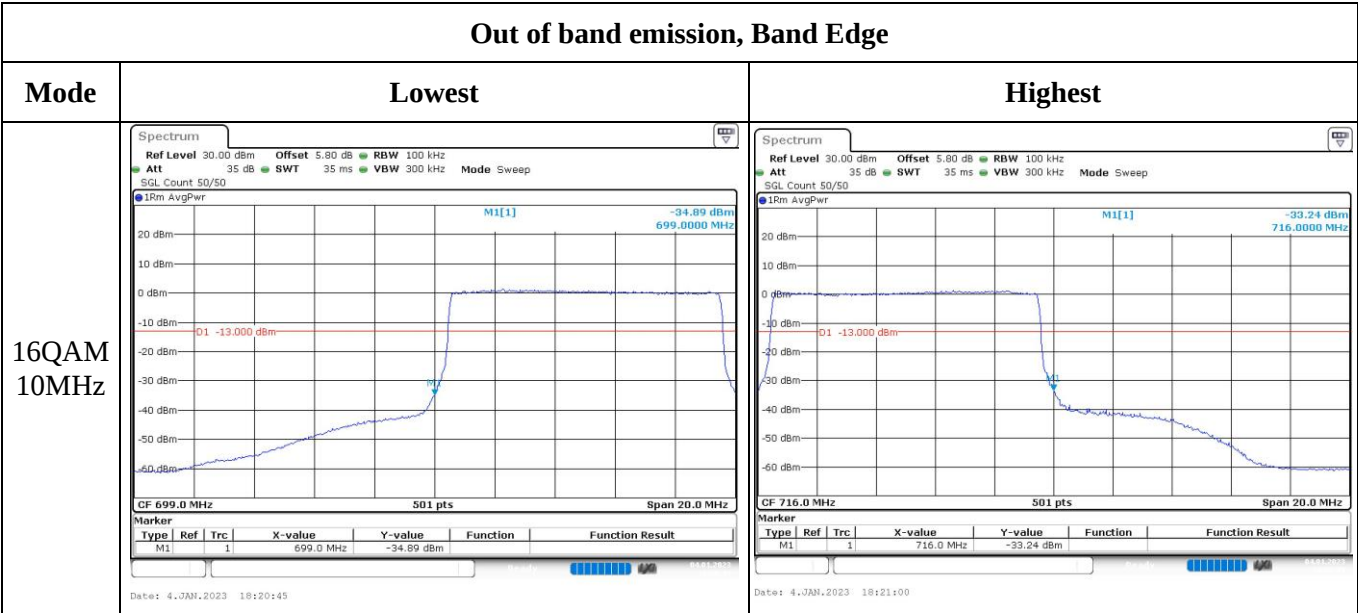
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.9 Antenna Port Test Data and Results for LTE Band 41

Serial Number:	1X1D	Test Date:	2023/1/4~2023/1/12
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.3~24.8	Relative Humidity: (%)	38~55	ATM Pressure: (kPa)	101.1~101.9
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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	2022/7/15	2023/7/14
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	2022/4/6	2023/4/5
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022/9/29	2023/9/28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022/7/15	2023/7/14

** 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 Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:**FCC §2.1046; §27.50(h)(2)****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	19.09	21.34	21.81	23.26	33
	RB1#13	20.21	21.51	21.91		
	RB1#24	20.1	21.42	21.78		
	RB15#0	19.18	20.44	20.91		
	RB15#10	19.23	20.48	20.87		
	RB25#0	19.2	20.5	20.9		
5MHz 16QAM	RB1#0	19.15	20.45	21.12	22.56	33
	RB1#13	19.19	20.61	21.21		
	RB1#24	19.16	20.54	21.07		
	RB15#0	18.13	19.52	19.97		
	RB15#10	18.23	19.55	19.91		
	RB25#0	18.28	19.56	19.89		
10MHz QPSK	RB1#0	20.19	21.43	21.91	23.5	33
	RB1#25	20.5	21.83	22.15		
	RB1#49	20.28	21.6	21.82		
	RB25#0	19.2	20.5	20.98		
	RB25#25	19.33	20.63	20.93		
	RB50#0	19.28	20.55	20.97		
10MHz 16QAM	RB1#0	19.15	20.6	21.19	22.76	33
	RB1#25	19.45	20.98	21.41		
	RB1#49	19.26	20.75	21.12		
	RB25#0	18.29	19.56	19.99		
	RB25#25	18.41	19.66	19.92		
	RB50#0	18.34	19.62	19.94		
15MHz QPSK	RB1#0	20.17	21.35	21.9	23.29	33
	RB1#38	20.3	21.54	21.94		
	RB1#74	20.27	21.51	21.76		
	RB36#0	19.25	20.45	21		
	RB36#39	19.39	20.59	20.95		
	RB75#0	19.33	20.51	20.99		
15MHz 16QAM	RB1#0	19.13	20.59	21.16	22.51	33
	RB1#38	19.27	20.81	21.15		
	RB1#74	19.23	20.78	20.97		
	RB36#0	18.2	19.51	19.96		
	RB36#39	18.35	19.67	19.91		
	RB75#0	18.3	19.54	19.92		
20MHz QPSK	RB1#0	19.95	21.21	21.77	23.54	33
	RB1#50	20.52	21.84	22.19		

20MHz 16QAM	RB1#99	20.18	21.46	21.61	22.65	33
	RB50#0	19.19	20.4	20.99		
	RB50#50	19.4	20.62	20.83		
	RB100#0	19.3	20.49	20.91		
	RB1#0	19	20.44	20.9		
	RB1#50	19.58	21.1	21.3		
20MHz 16QAM	RB1#99	19.22	20.77	20.72	22.65	33
	RB50#0	18.28	19.44	20.02		
	RB50#50	18.53	19.65	19.85		
	RB100#0	18.35	19.55	19.95		

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

Result:

Pass

Peak-to-average Ratio(PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	9.16	9.74	9.62	13
	RB100#0	9.48	9.65	9.13	13
20MHz 16QAM	RB1#0	10.14	10.64	10.38	13
	RB100#0	10.29	10.49	10.32	13
				Result:	Pass

FCC §2.1049, §27.53:Occupied Bandwidth

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	4.491	4.491	4.511	5.08	4.98	5.04
5MHz 16QAM	4.511	4.511	4.491	4.92	5.08	4.9
10MHz QPSK	8.942	8.942	8.982	9.68	9.8	9.64
10MHz 16QAM	8.942	8.982	8.942	9.48	10.28	9.56
15MHz QPSK	13.473	13.473	13.473	15.36	15.66	15.24
15MHz 16QAM	13.593	13.593	13.533	15.54	15.96	15.72
20MHz QPSK	17.964	17.964	17.964	19.68	19.68	19.52
20MHz 16QAM	17.964	17.964	17.964	20.48	19.36	19.68

Note: The test plots please refer to the Plots of Occupied Bandwidth

Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
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Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.4089	2535.00	2654.6086	2655
	-20	3.85	2535.4014	2535.00	2654.6075	2655
	-10	3.85	2535.4052	2535.00	2654.6023	2655
	0	3.85	2535.4003	2535.00	2654.6018	2655
	10	3.85	2535.4000	2535.00	2654.6014	2655
	20	3.85	2535.4058	2535.00	2654.6022	2655
	30	3.85	2535.4003	2535.00	2654.6047	2655
	40	3.85	2535.4049	2535.00	2654.6072	2655
	50	3.85	2535.4073	2535.00	2654.6042	2655
Frequency Stability vs. Voltage	20	3.45	2535.4089	2535.00	2654.6037	2655
	20	4.4	2535.4031	2535.00	2654.6056	2655
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.4061	2535.00	2654.6073	2655
	-20	3.85	2535.4006	2535.00	2654.6059	2655
	-10	3.85	2535.4086	2535.00	2654.6029	2655
	0	3.85	2535.4004	2535.00	2654.6100	2655
	10	3.85	2535.4089	2535.00	2654.6069	2655
	20	3.85	2535.4058	2535.00	2654.6022	2655
	30	3.85	2535.4040	2535.00	2654.6079	2655
	40	3.85	2535.4070	2535.00	2654.6075	2655
	50	3.85	2535.4075	2535.00	2654.6083	2655
Frequency Stability vs. Voltage	20	3.45	2535.4052	2535.00	2654.6020	2655
	20	4.4	2535.4066	2535.00	2654.6000	2655
					Result:	Pass

Test Plots:

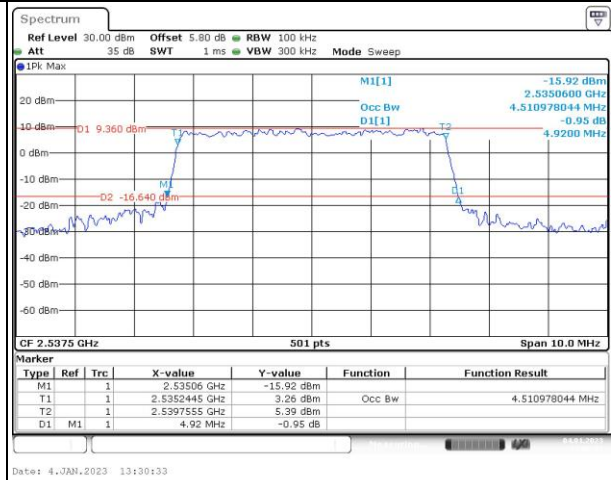
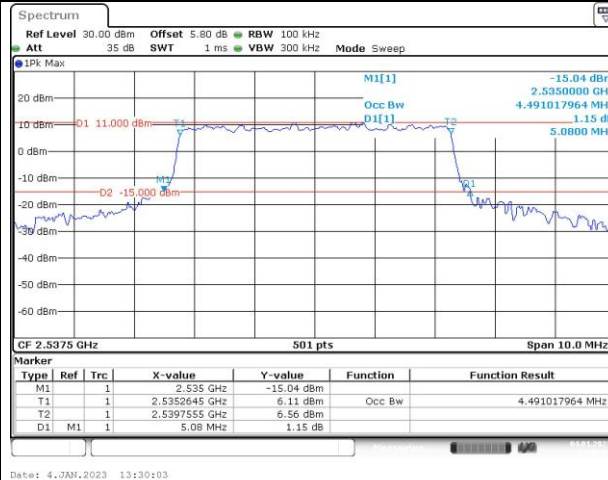
Occupied Bandwidth

Channel

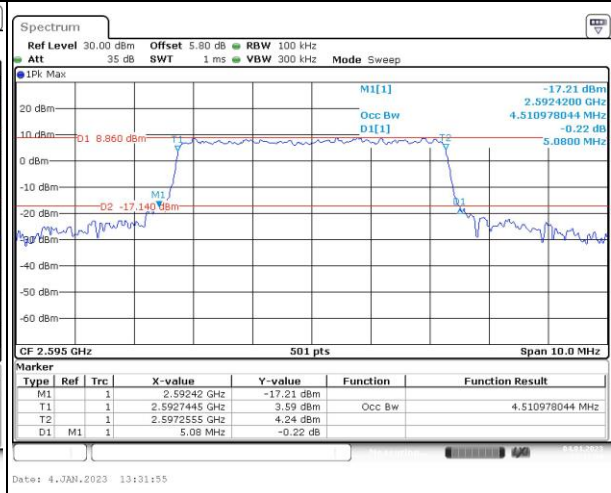
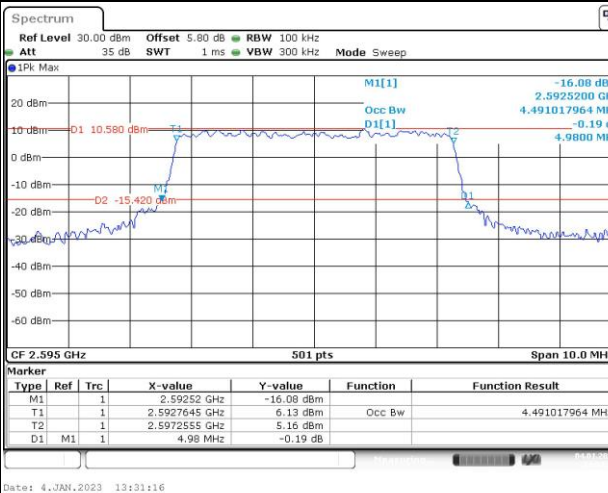
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

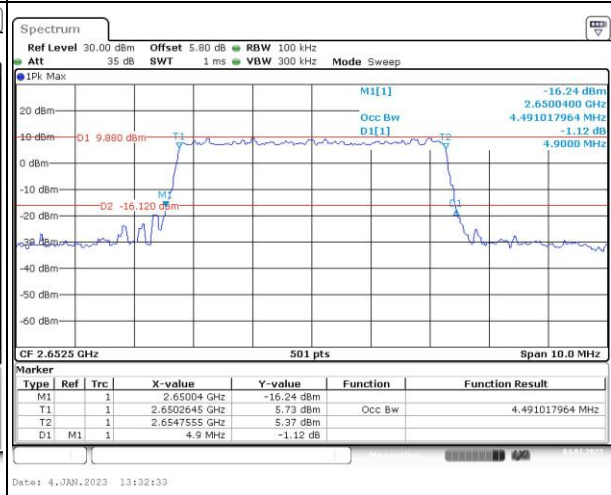
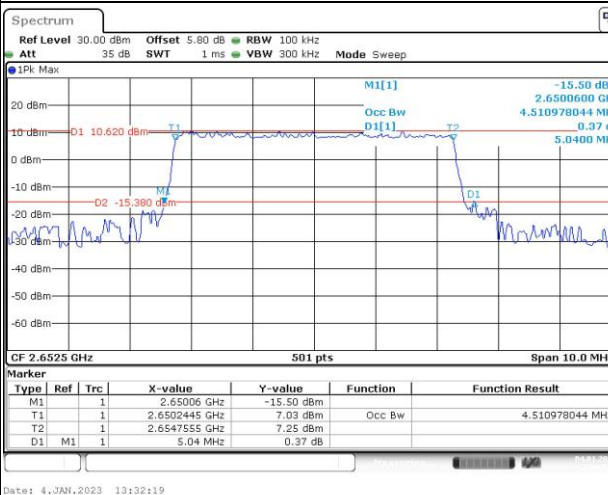
Lowest



Middle



Highest



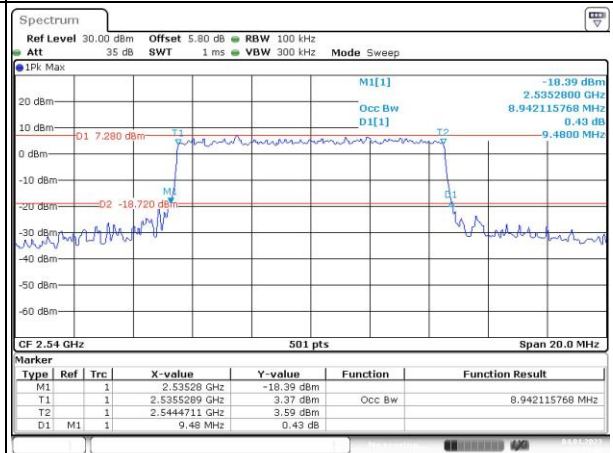
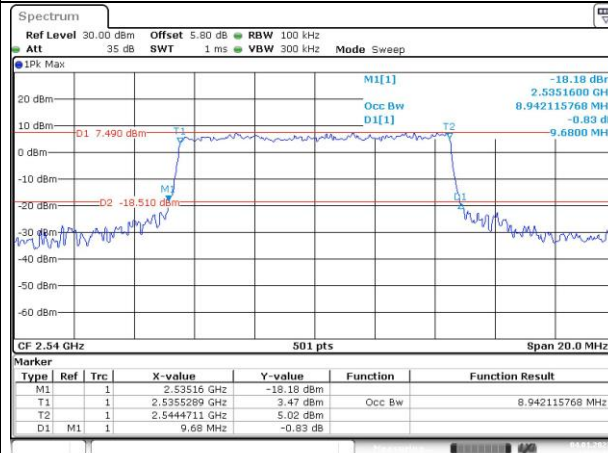
Occupied Bandwidth

Channel

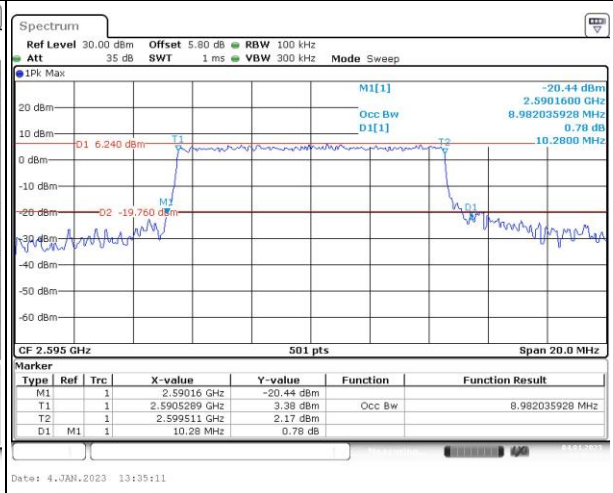
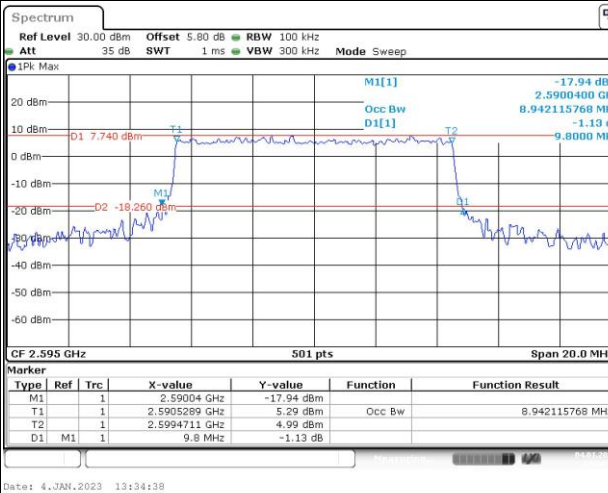
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

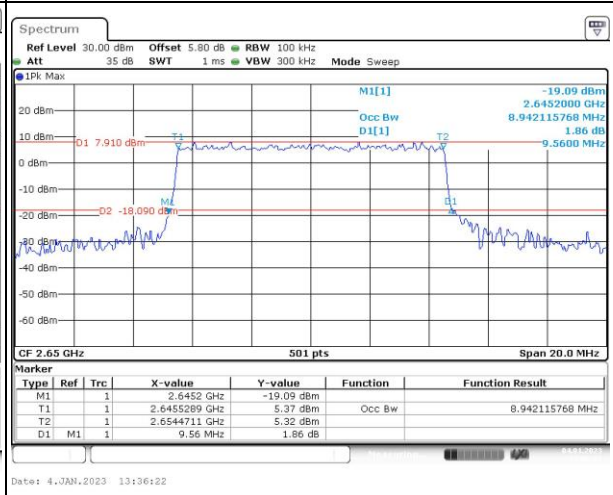
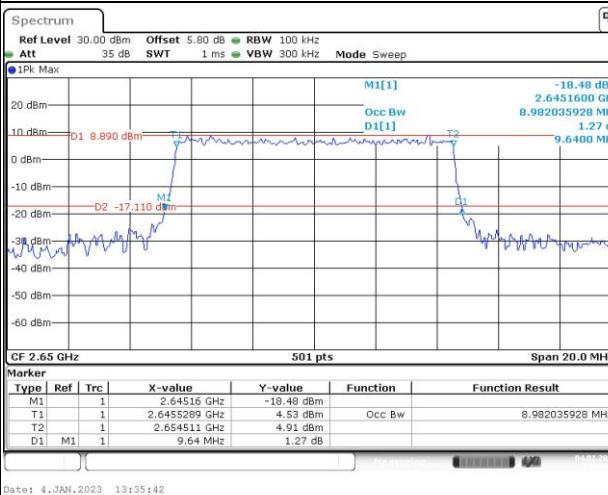
Lowest



Middle



Highest



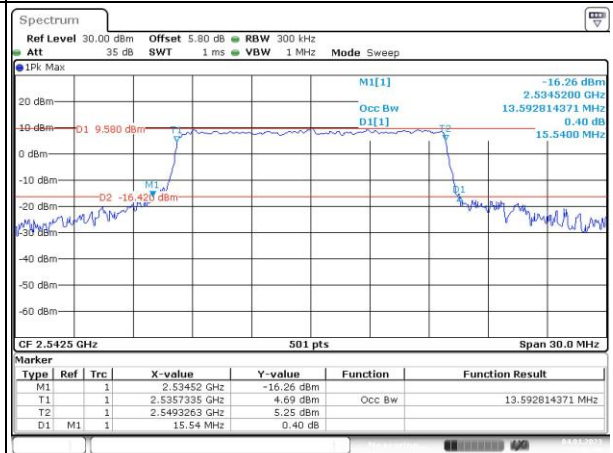
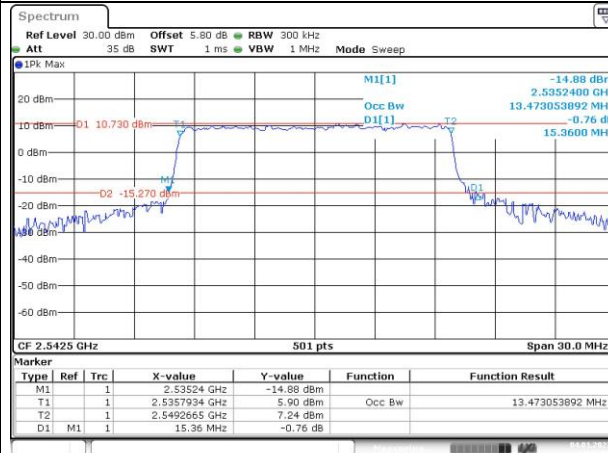
Occupied Bandwidth

Channel

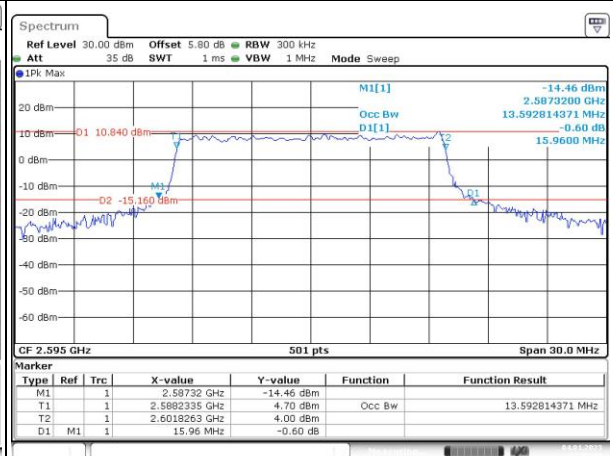
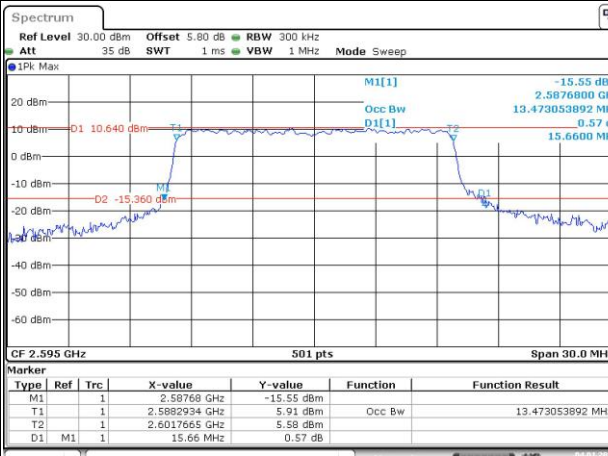
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

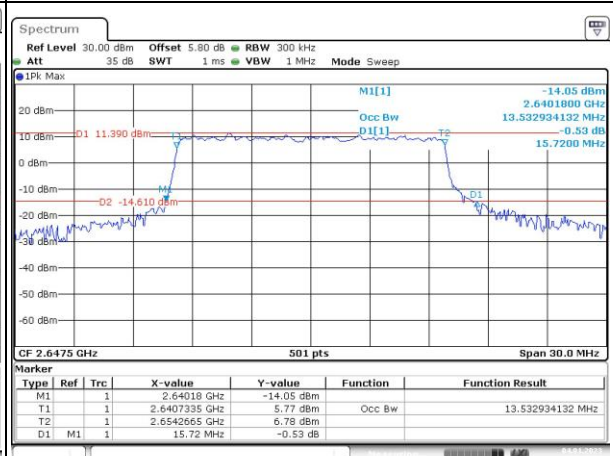
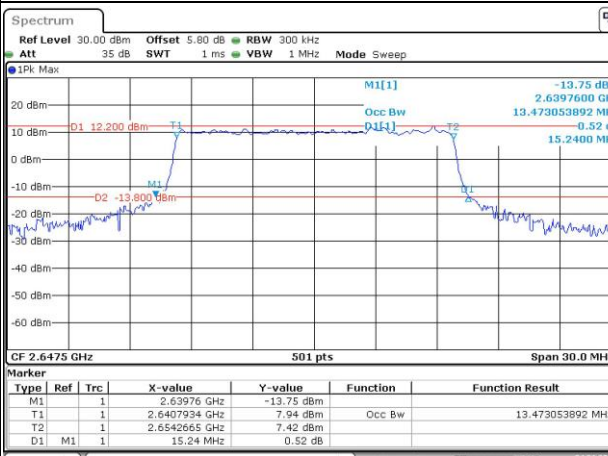
Lowest



Middle



Highest



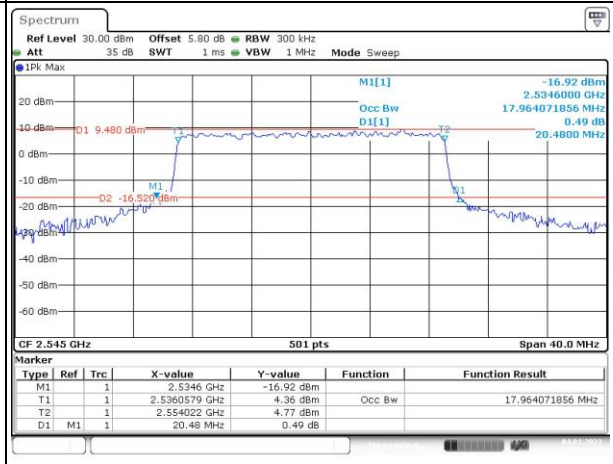
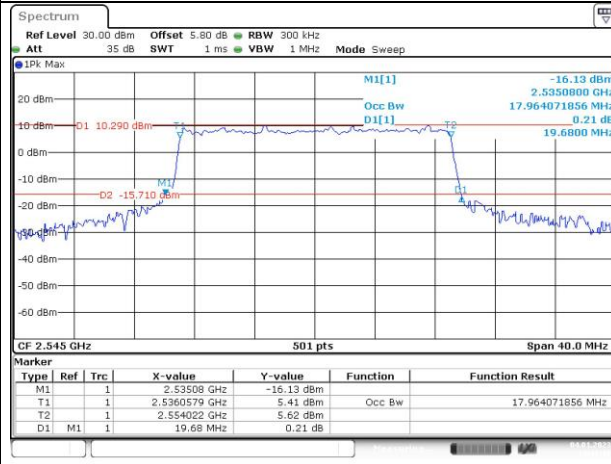
Occupied Bandwidth

Channel

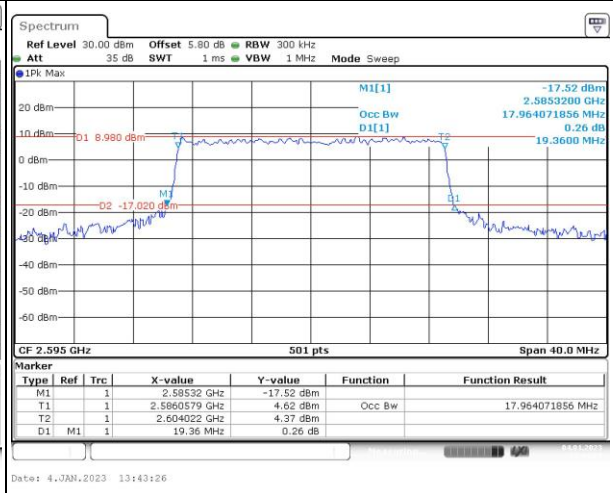
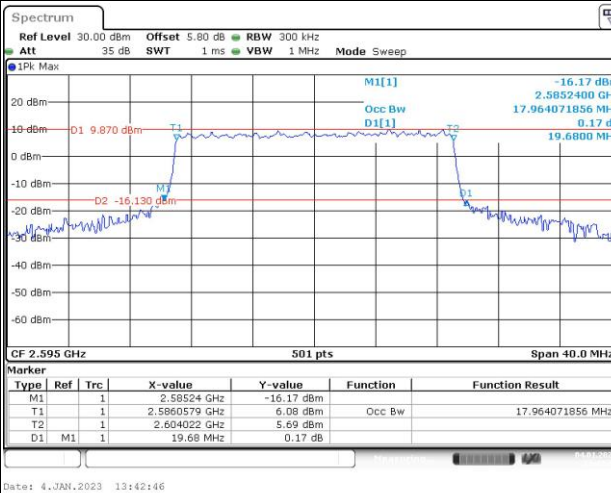
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

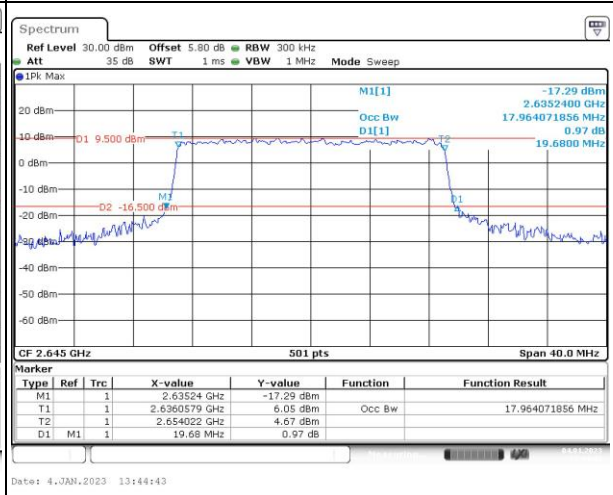
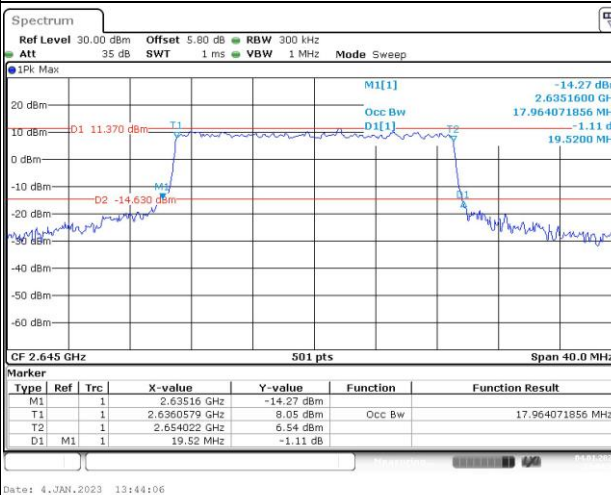
Lowest



Middle



Highest

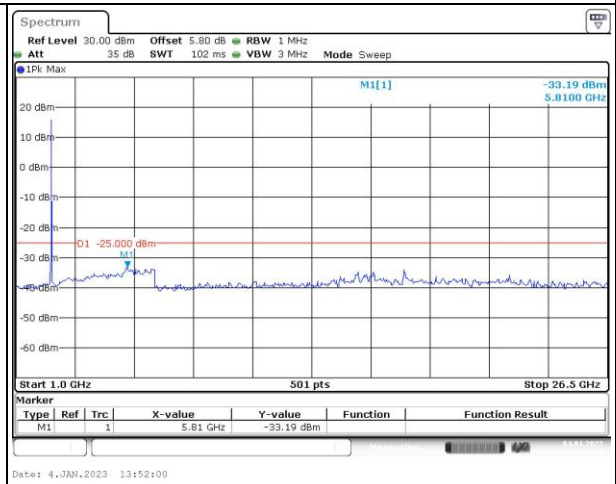
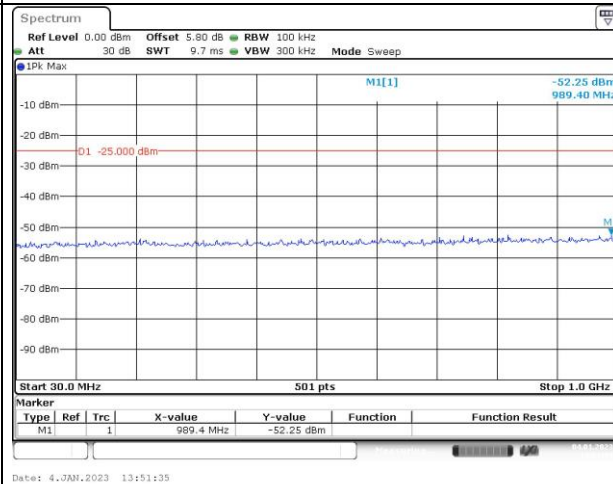


Spurious Emissions at Antenna Terminal

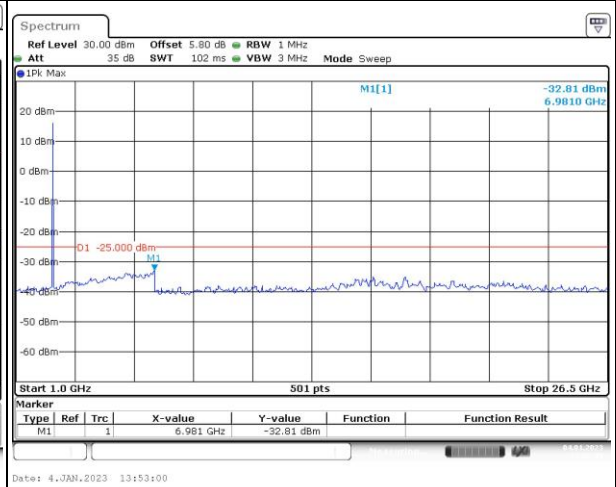
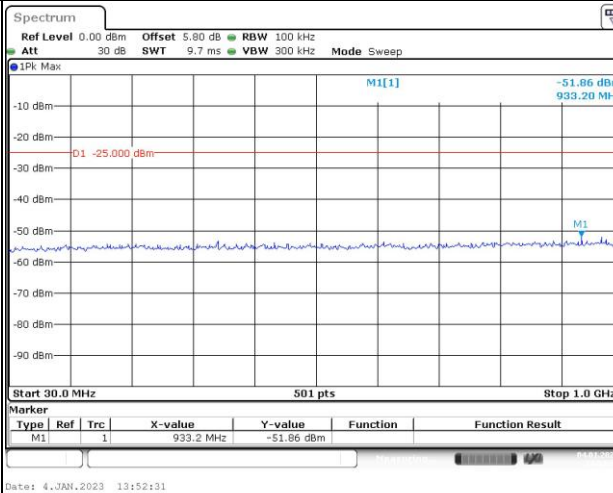
Channel

5MHz Bandwidth QPSK

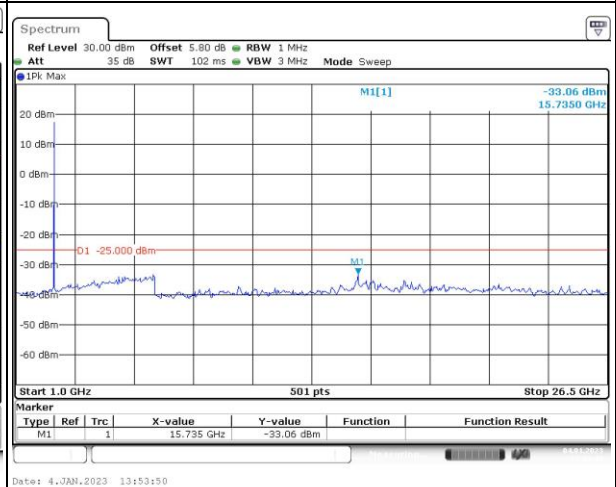
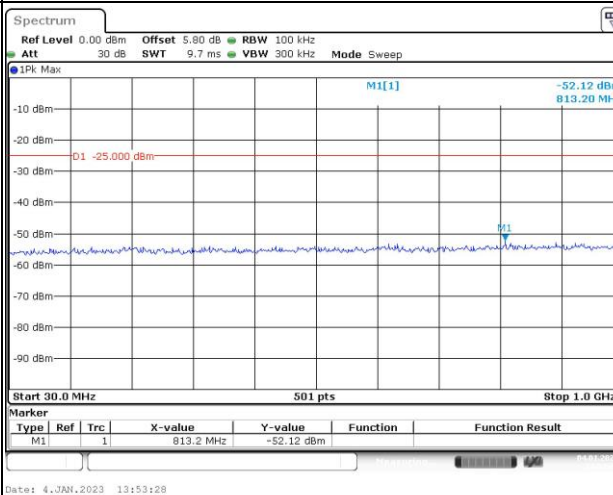
Lowest



Middle



Highest

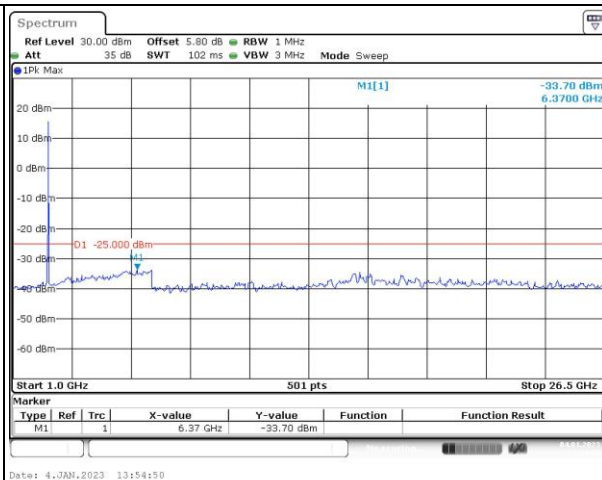
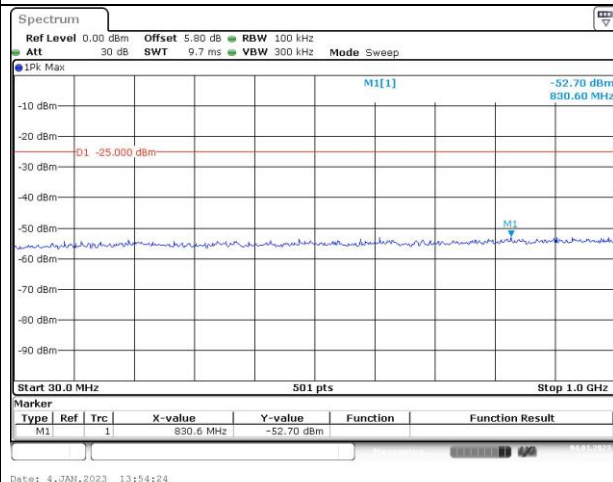


Spurious Emissions at Antenna Terminal

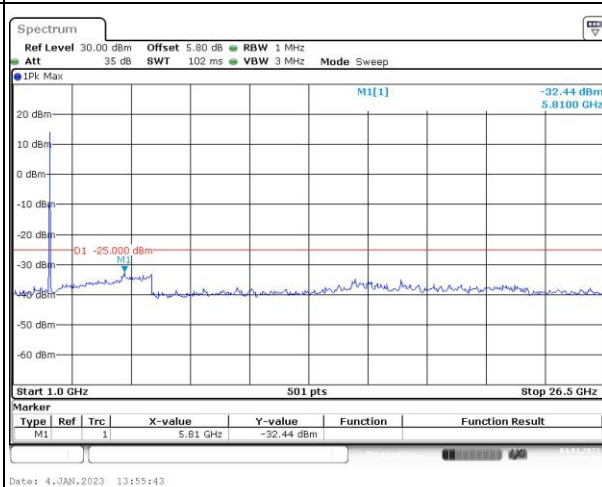
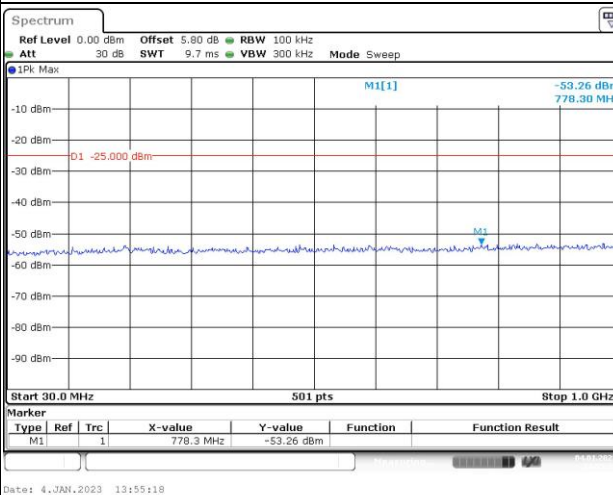
Channel

10MHz Bandwidth QPSK

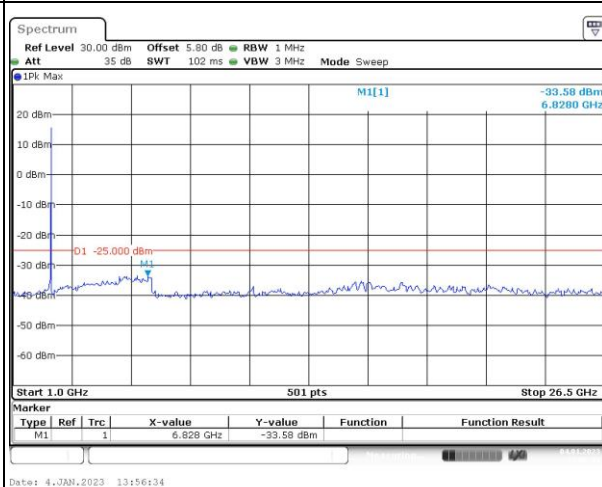
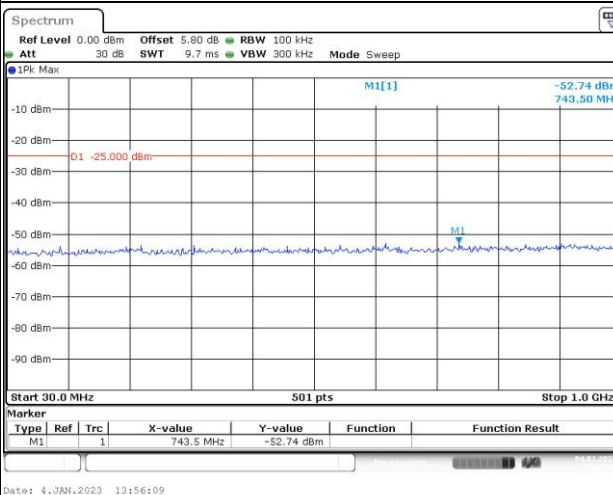
Lowest



Middle



Highest

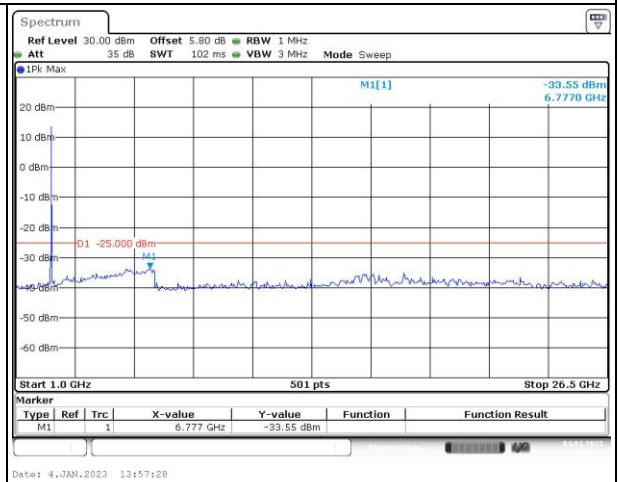
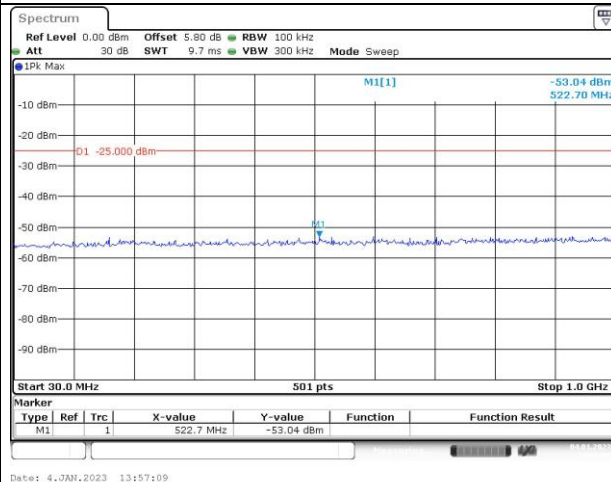


Spurious Emissions at Antenna Terminal

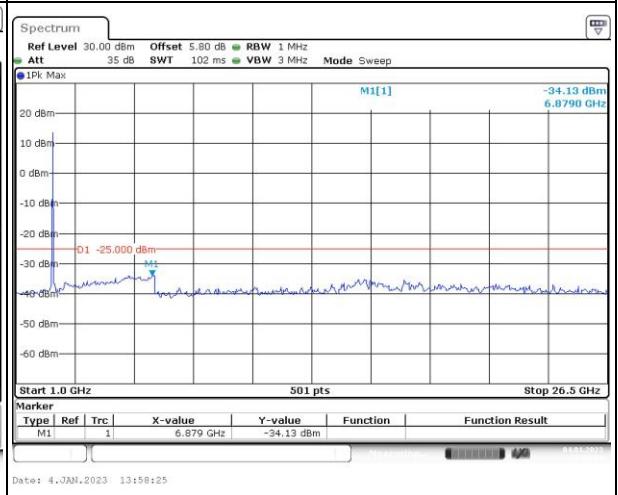
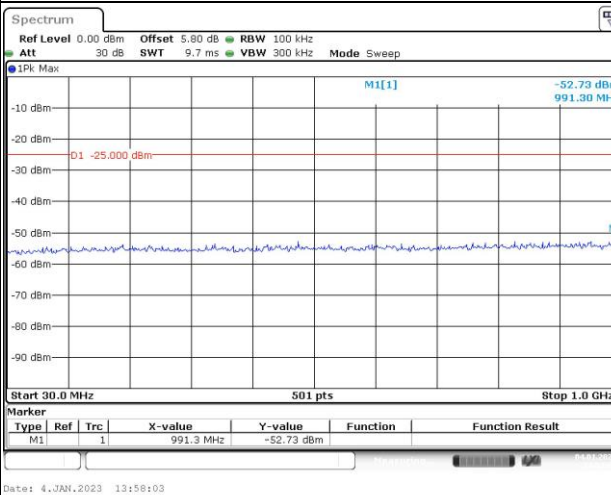
Channel

15MHz Bandwidth QPSK

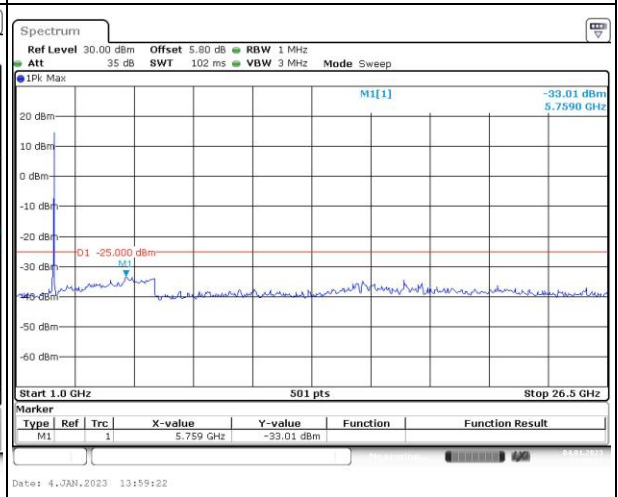
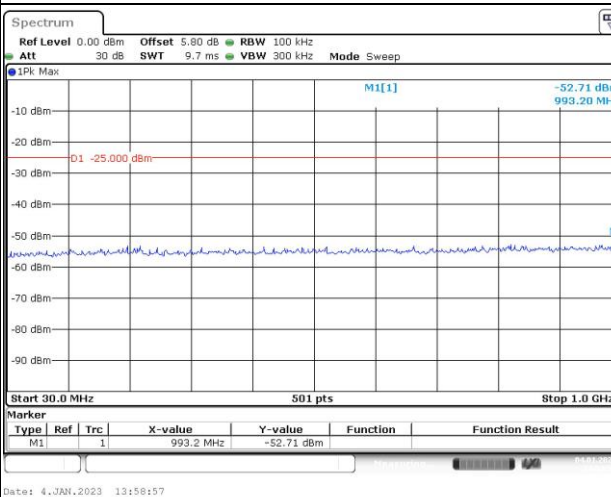
Lowest



Middle



Highest

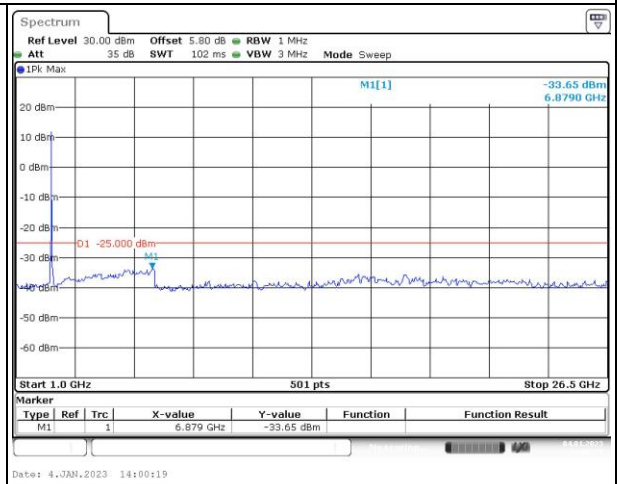
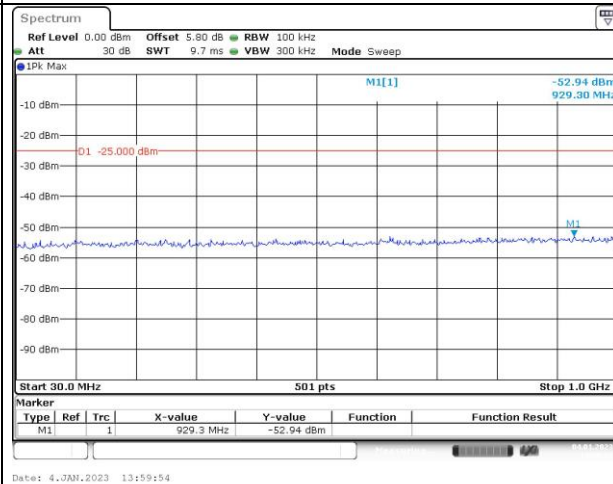


Spurious Emissions at Antenna Terminal

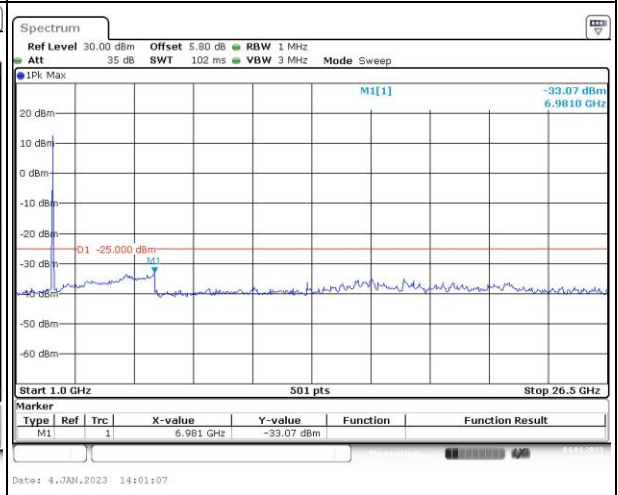
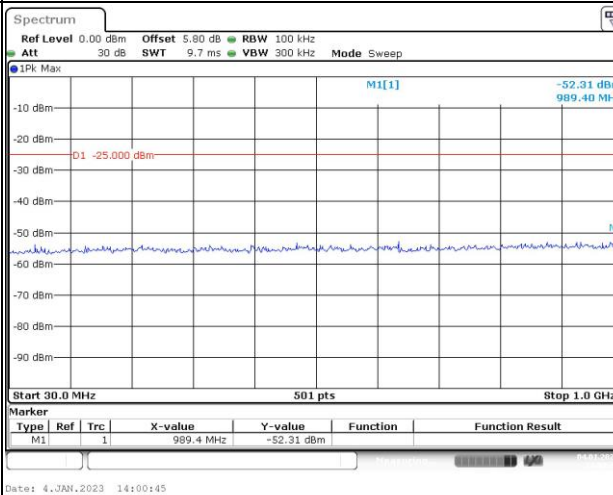
Channel

20MHz Bandwidth QPSK

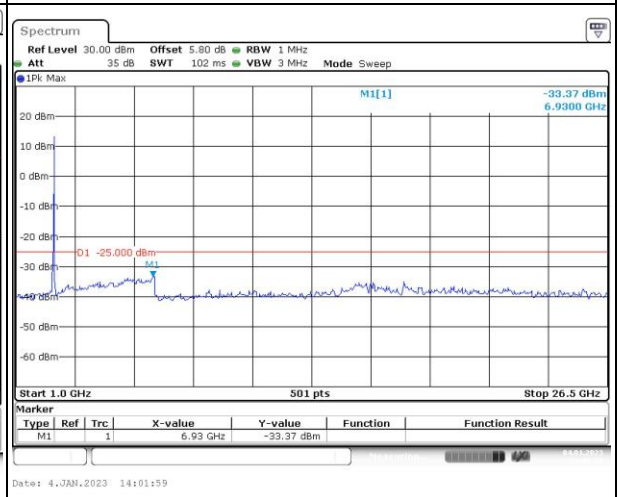
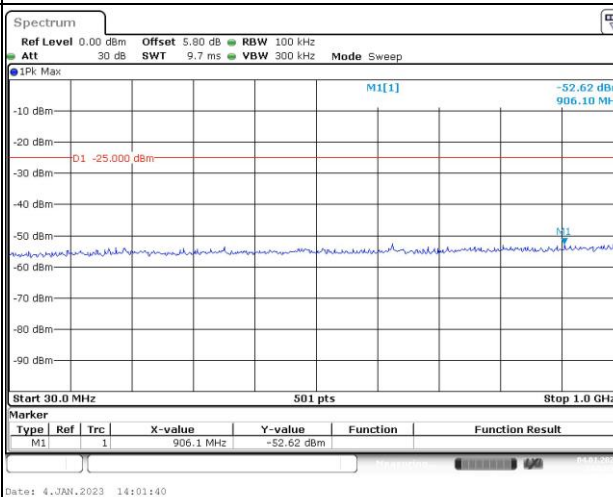
Lowest



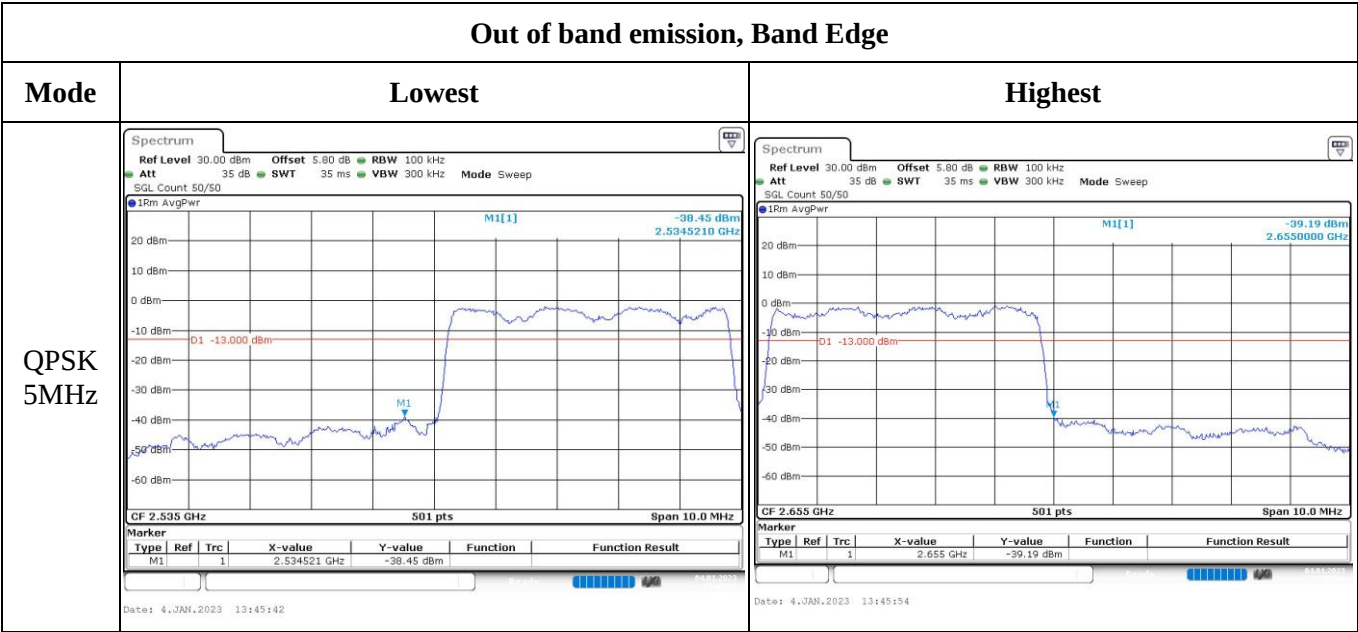
Middle



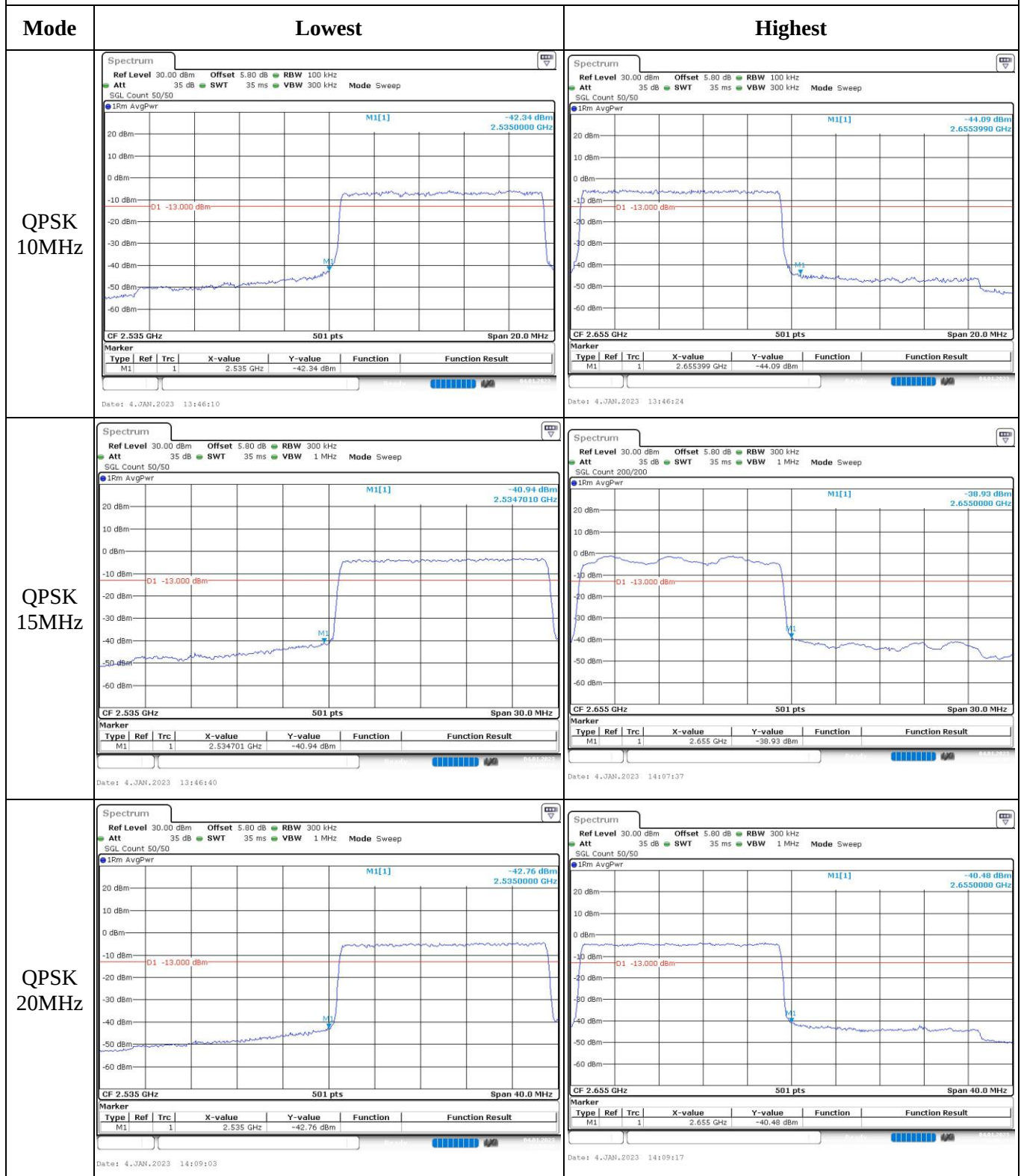
Highest



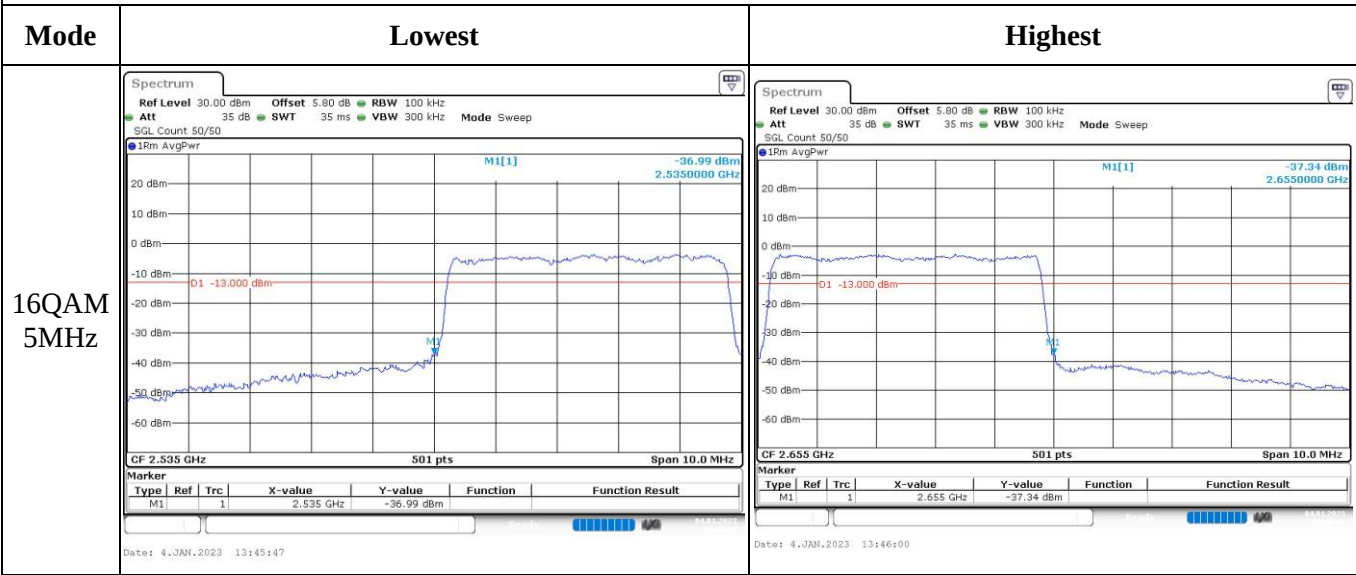
Out of band emission, Band Edge



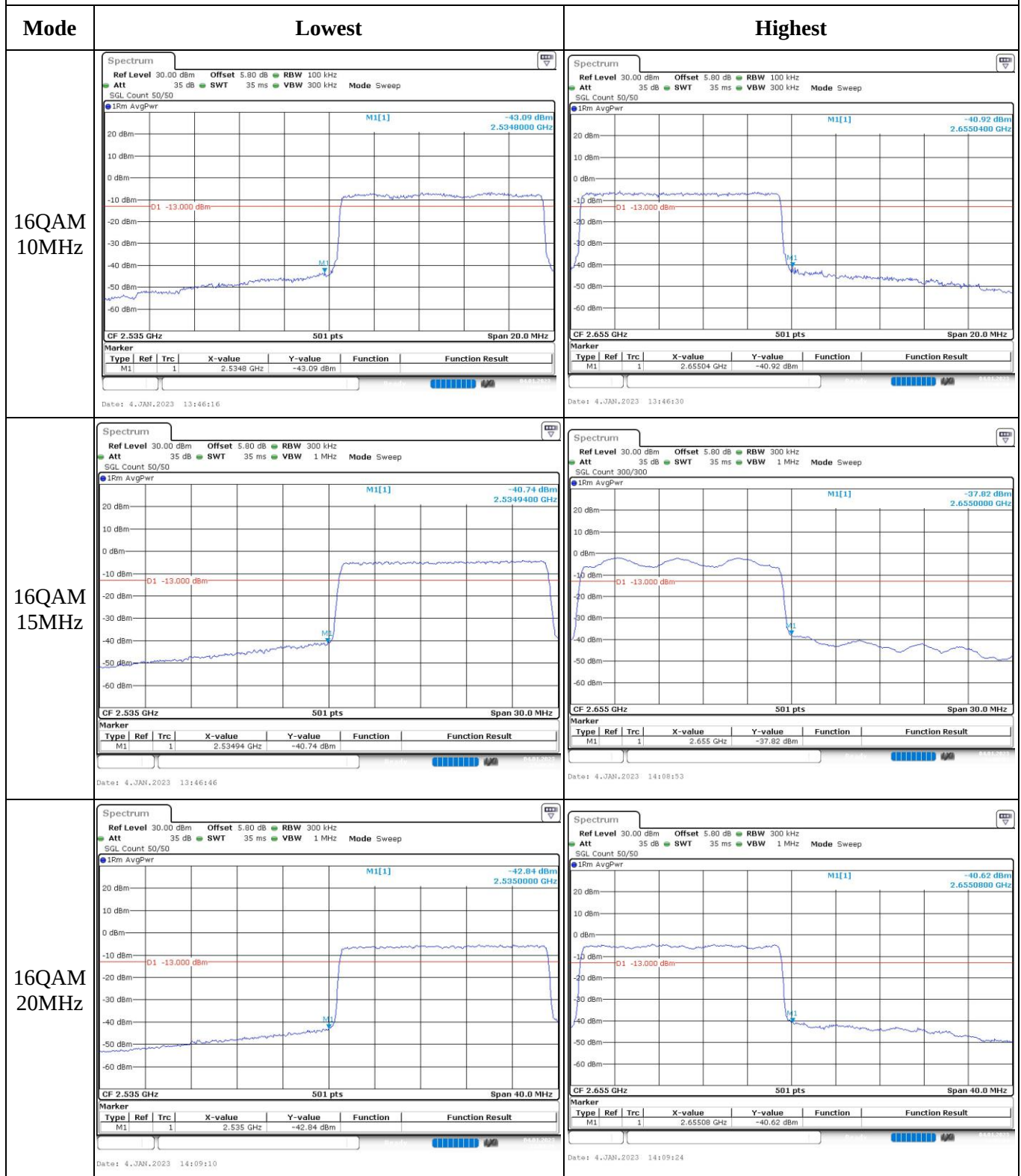
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.10 Radiated Spurious Emissions

Serial Number:	1X1D	Test Date:	2023/1/12
Test Site:	966-1~966-2	Test Mode:	Transmitting
Tester:	Carl Xue, Mark Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.2~23.4	Relative Humidity: (%)	61~66	ATM Pressure: (kPa)	100.8
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Test Equipment List and Details:

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

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
30.70	H	33.44	-38.76	-25.98	0.10	-64.84	-13.00	51.84
43.30	V	43.27	-50.83	-22.04	0.12	-72.99	-13.00	59.99
1648.400	H	49.03	-55.30	8.68	0.80	-47.42	-13.00	34.42
1648.400	V	60.82	-43.59	8.68	0.80	-35.71	-13.00	22.71
2472.600	H	39.04	-61.74	9.38	1.00	-53.36	-13.00	40.36
2472.600	V	51.06	-49.67	9.38	1.00	-41.29	-13.00	28.29
3296.800	H	35.66	-61.02	10.32	1.15	-51.85	-13.00	38.85
3296.800	V	36.01	-60.43	10.32	1.15	-51.26	-13.00	38.26
GSM 850 Frequency:836.6MHz								
30.70	H	34.24	-37.96	-25.98	0.10	-64.04	-13.00	51.04
43.30	V	44.08	-50.02	-22.04	0.12	-72.18	-13.00	59.18
1673.200	H	54.25	-50.06	8.71	0.85	-42.20	-13.00	29.20
1673.200	V	53.83	-50.58	8.71	0.85	-42.72	-13.00	29.72
2509.800	H	38.49	-62.12	9.42	1.01	-53.71	-13.00	40.71
2509.800	V	40.98	-59.64	9.42	1.01	-51.23	-13.00	38.23
3346.400	H	36.60	-60.57	10.34	1.16	-51.39	-13.00	38.39
3346.400	V	35.69	-61.34	10.34	1.16	-52.16	-13.00	39.16
GSM 850 Frequency:848.8MHz								
30.00	H	34.86	-36.50	-26.30	0.10	-62.90	-13.00	49.90
41.90	V	44.01	-48.27	-23.89	0.12	-72.28	-13.00	59.28
1697.600	H	52.84	-51.45	8.74	0.90	-43.61	-13.00	30.61
1697.600	V	53.89	-50.53	8.74	0.90	-42.69	-13.00	29.69
2546.400	H	36.88	-63.45	9.47	1.01	-54.99	-13.00	41.99
2546.400	V	42.07	-58.21	9.47	1.01	-49.75	-13.00	36.75
3395.200	H	36.92	-60.77	10.36	1.19	-51.60	-13.00	38.60
3395.200	V	37.29	-60.37	10.36	1.19	-51.20	-13.00	38.20

PCS Band

30 MHz-20 GHz:

50 MHz TO GHz								
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
30.70	H	33.87	-38.33	-25.98	0.10	-64.41	-13.00	51.41
43.30	V	43.75	-50.35	-22.04	0.12	-72.51	-13.00	59.51
3700.400	H	44.80	-52.52	10.60	1.25	-43.17	-13.00	30.17
3700.400	V	39.95	-57.35	10.60	1.25	-48.00	-13.00	35.00
5550.600	H	45.85	-47.41	11.44	1.49	-37.46	-13.00	24.46
5550.600	V	49.91	-43.19	11.44	1.49	-33.24	-13.00	20.24
GSM 1900 Frequency:1880MHz								
30.00	H	34.51	-36.85	-26.30	0.10	-63.25	-13.00	50.25
43.30	V	43.55	-50.55	-22.04	0.12	-72.71	-13.00	59.71
3760.000	H	41.44	-54.97	10.66	1.24	-45.55	-13.00	32.55
3760.000	V	38.40	-57.89	10.66	1.24	-48.47	-13.00	35.47
5640.000	H	51.14	-42.31	11.33	1.54	-32.52	-13.00	19.52
5640.000	V	50.73	-42.60	11.33	1.54	-32.81	-13.00	19.81
GSM 1900 Frequency:1909.8MHz								
30.70	H	33.49	-38.71	-25.98	0.10	-64.79	-13.00	51.79
41.90	V	44.12	-48.16	-23.89	0.12	-72.17	-13.00	59.17
3819.600	H	37.98	-57.88	10.72	1.29	-48.45	-13.00	35.45
3819.600	V	37.46	-58.26	10.72	1.29	-48.83	-13.00	35.83
5729.400	H	50.31	-43.17	11.22	1.59	-33.54	-13.00	20.54
5729.400	V	48.35	-45.01	11.22	1.59	-35.38	-13.00	22.38

WCDMA Band 2:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	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								
30.00	H	30.36	-41.00	-26.30	0.10	-67.40	-13.00	54.40
50.40	V	42.94	-58.48	-14.72	0.12	-73.32	-13.00	60.32
3704.800	H	37.61	-59.65	10.60	1.25	-50.30	-13.00	37.30
3704.800	V	38.82	-58.41	10.60	1.25	-49.06	-13.00	36.06
5557.200	H	37.64	-55.64	11.43	1.49	-45.70	-13.00	32.70
5557.200	V	37.98	-55.15	11.43	1.49	-45.21	-13.00	32.21
WCDMA Band II, Frequency:1880 MHz								
30.00	H	30.62	-40.74	-26.30	0.10	-67.14	-13.00	54.14
43.30	V	44.29	-49.81	-22.04	0.12	-71.97	-13.00	58.97
3760.000	H	38.14	-58.27	10.66	1.24	-48.85	-13.00	35.85
3760.000	V	39.03	-57.26	10.66	1.24	-47.84	-13.00	34.84
5640.000	H	39.26	-54.19	11.33	1.54	-44.40	-13.00	31.40
5640.000	V	38.72	-54.61	11.33	1.54	-44.82	-13.00	31.82
WCDMA Band II, Frequency:1907.6MHz								
30.70	H	29.57	-42.63	-25.98	0.10	-68.71	-13.00	55.71
50.40	V	46.59	-54.83	-14.72	0.12	-69.67	-13.00	56.67
3815.200	H	38.41	-57.44	10.72	1.29	-48.01	-13.00	35.01
3815.200	V	38.95	-56.74	10.72	1.29	-47.31	-13.00	34.31
5722.800	H	39.44	-54.05	11.23	1.58	-44.40	-13.00	31.40
5722.800	V	41.03	-52.32	11.23	1.58	-42.67	-13.00	29.67

WCDMA Band 5:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	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								
30.00	H	29.89	-41.47	-26.30	0.10	-67.87	-13.00	54.87
50.40	V	44.40	-57.02	-14.72	0.12	-71.86	-13.00	58.86
1652.800	H	39.44	-64.89	8.68	0.81	-57.02	-13.00	44.02
1652.800	V	45.06	-59.35	8.68	0.81	-51.48	-13.00	38.48
2479.200	H	41.30	-59.46	9.39	1.01	-51.08	-13.00	38.08
2479.200	V	42.49	-58.24	9.39	1.01	-49.86	-13.00	36.86
3305.600	H	37.87	-58.86	10.32	1.15	-49.69	-13.00	36.69
3305.600	V	38.55	-57.95	10.32	1.15	-48.78	-13.00	35.78
WCDMA Band 5 Frequency:836.6MHz								
30.00	H	30.62	-40.74	-26.30	0.10	-67.14	-13.00	54.14
50.40	V	42.47	-58.95	-14.72	0.12	-73.79	-13.00	60.79
1673.200	H	39.92	-64.39	8.71	0.85	-56.53	-13.00	43.53
1673.200	V	38.21	-66.20	8.71	0.85	-58.34	-13.00	45.34
2509.800	H	40.20	-60.41	9.42	1.01	-52.00	-13.00	39.00
2509.800	V	39.01	-61.61	9.42	1.01	-53.20	-13.00	40.20
3346.400	H	38.04	-59.13	10.34	1.16	-49.95	-13.00	36.95
3346.400	V	36.74	-60.29	10.34	1.16	-51.11	-13.00	38.11
WCDMA Band 5 Frequency:846.6MHz								
30.70	H	29.76	-42.44	-25.98	0.10	-68.52	-13.00	55.52
50.40	V	42.72	-58.70	-14.72	0.12	-73.54	-13.00	60.54
1693.200	H	44.08	-60.22	8.73	0.89	-52.38	-13.00	39.38
1693.200	V	38.63	-65.79	8.73	0.89	-57.95	-13.00	44.95
2539.800	H	37.66	-62.72	9.46	1.01	-54.27	-13.00	41.27
2539.800	V	36.82	-63.52	9.46	1.01	-55.07	-13.00	42.07
3386.400	H	38.94	-58.65	10.35	1.18	-49.48	-13.00	36.48
3386.400	V	37.63	-59.91	10.35	1.18	-50.74	-13.00	37.74

LTE Bands:

(The Worst modulation and bandwidth was below)

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency:1850.7 MHz								
30.70	H	34.80	-37.40	-25.98	0.10	-63.48	-13.00	50.48
41.90	V	48.10	-44.18	-23.89	0.12	-68.19	-13.00	55.19
3701.400	H	40.19	-57.12	10.60	1.25	-47.77	-13.00	34.77
3701.400	V	37.69	-59.60	10.60	1.25	-50.25	-13.00	37.25
5552.100	H	37.88	-55.39	11.44	1.49	-45.44	-13.00	32.44
5552.100	V	37.76	-55.34	11.44	1.49	-45.39	-13.00	32.39
QPSK, 1.4MHz,Frequency:1880 MHz								
30.70	H	34.81	-37.39	-25.98	0.10	-63.47	-13.00	50.47
43.30	V	48.81	-45.29	-22.04	0.12	-67.45	-13.00	54.45
3760.000	H	37.15	-59.26	10.66	1.24	-49.84	-13.00	36.84
3760.000	V	39.05	-57.24	10.66	1.24	-47.82	-13.00	34.82
5640.000	H	38.89	-54.56	11.33	1.54	-44.77	-13.00	31.77
5640.000	V	41.60	-51.73	11.33	1.54	-41.94	-13.00	28.94
QPSK, 1.4MHz,Frequency:1909.3 MHz								
30.70	H	33.84	-38.36	-25.98	0.10	-64.44	-13.00	51.44
43.30	V	48.34	-45.76	-22.04	0.12	-67.92	-13.00	54.92
3818.600	H	37.80	-58.06	10.72	1.29	-48.63	-13.00	35.63
3818.600	V	37.52	-58.19	10.72	1.29	-48.76	-13.00	35.76
5727.900	H	37.98	-55.50	11.23	1.59	-45.86	-13.00	32.86
5727.900	V	39.06	-54.30	11.23	1.59	-44.66	-13.00	31.66

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency: 824.7 MHz								
30.70	H	34.12	-38.08	-25.98	0.10	-64.16	-13.00	51.16
41.90	V	48.97	-43.31	-23.89	0.12	-67.32	-13.00	54.32
1649.400	H	39.31	-65.02	8.68	0.80	-57.14	-13.00	44.14
1649.400	V	43.05	-61.36	8.68	0.80	-53.48	-13.00	40.48
2474.100	H	39.75	-61.03	9.38	1.00	-52.65	-13.00	39.65
2474.100	V	43.64	-57.09	9.38	1.00	-48.71	-13.00	35.71
3298.800	H	35.18	-61.50	10.32	1.15	-52.33	-13.00	39.33
3298.800	V	34.46	-61.98	10.32	1.15	-52.81	-13.00	39.81
QPSK, 1.4MHz, Frequency: 836.5 MHz								
30.70	H	33.10	-39.10	-25.98	0.10	-65.18	-13.00	52.18
41.90	V	47.79	-44.49	-23.89	0.12	-68.50	-13.00	55.50
1673.000	H	42.97	-61.34	8.71	0.85	-53.48	-13.00	40.48
1673.000	V	46.68	-57.73	8.71	0.85	-49.87	-13.00	36.87
2509.500	H	42.83	-57.78	9.42	1.01	-49.37	-13.00	36.37
2509.500	V	43.38	-57.24	9.42	1.01	-48.83	-13.00	35.83
3346.000	H	35.16	-62.00	10.34	1.16	-52.82	-13.00	39.82
3346.000	V	35.35	-61.67	10.34	1.16	-52.49	-13.00	39.49
QPSK, 1.4MHz, Frequency: 848.3 MHz								
30.70	H	33.09	-39.11	-25.98	0.10	-65.19	-13.00	52.19
41.90	V	48.92	-43.36	-23.89	0.12	-67.37	-13.00	54.37
1696.600	H	40.01	-64.28	8.74	0.89	-56.43	-13.00	43.43
1696.600	V	43.67	-60.75	8.74	0.89	-52.90	-13.00	39.90
2544.900	H	38.16	-62.18	9.47	1.01	-53.72	-13.00	40.72
2544.900	V	39.37	-60.93	9.47	1.01	-52.47	-13.00	39.47
3393.200	H	36.42	-61.25	10.36	1.19	-52.08	-13.00	39.08
3393.200	V	35.66	-61.97	10.36	1.19	-52.80	-13.00	39.80

LTE Band 7 (30MHz-26.5GHz):

EYE Band 7 (50MHz 20.5GHz)								
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 5MHz, Frequency: 2502.5 MHz								
30.70	H	40.80	-31.40	-25.98	0.10	-57.48	-25.00	32.48
41.90	V	41.68	-50.60	-23.89	0.12	-74.61	-25.00	49.61
5005.000	H	35.52	-57.44	11.20	1.47	-47.71	-25.00	22.71
5005.000	V	35.91	-56.91	11.20	1.47	-47.18	-25.00	22.18
7507.500	H	47.32	-42.47	10.90	1.95	-33.52	-25.00	8.52
7507.500	V	49.97	-40.32	10.90	1.95	-31.37	-25.00	6.37
QPSK, 5MHz, Frequency:2535 MHz								
30.70	H	35.86	-36.34	-25.98	0.10	-62.42	-25.00	37.42
43.30	V	48.42	-45.68	-22.04	0.12	-67.84	-25.00	42.84
5070.000	H	36.29	-56.90	11.24	1.47	-47.13	-25.00	22.13
5070.000	V	37.65	-55.44	11.24	1.47	-45.67	-25.00	20.67
7605.000	H	44.40	-45.07	10.88	2.01	-36.20	-25.00	11.20
7605.000	V	51.06	-39.13	10.88	2.01	-30.26	-25.00	5.26
QPSK, 5MHz, Frequency: 2567.5 MHz								
30.70	H	35.57	-36.63	-25.98	0.10	-62.71	-25.00	37.71
41.90	V	48.74	-43.54	-23.89	0.12	-67.55	-25.00	42.55
5135.000	H	37.62	-55.98	11.28	1.47	-46.17	-25.00	21.17
5135.000	V	41.74	-51.75	11.28	1.47	-41.94	-25.00	16.94
7702.500	H	40.29	-49.23	10.86	1.97	-40.34	-25.00	15.34
7702.500	V	47.80	-42.38	10.86	1.97	-33.49	-25.00	8.49

LTE Band 12 (30MHz-10GHz):

EYE Band 12 (50.0MHz to 30.0MHz)								
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency: 699.7 MHz								
30.70	H	34.71	-37.49	-25.98	0.10	-63.57	-13.00	50.57
43.30	V	48.53	-45.57	-22.04	0.12	-67.73	-13.00	54.73
1399.400	H	37.22	-66.48	8.22	0.71	-58.97	-13.00	45.97
1399.400	V	39.49	-64.26	8.22	0.71	-56.75	-13.00	43.75
2099.100	H	55.63	-46.25	9.16	0.91	-38.00	-13.00	25.00
2099.100	V	52.25	-49.58	9.16	0.91	-41.33	-13.00	28.33
2798.800	H	34.65	-65.28	9.88	1.04	-56.44	-13.00	43.44
2798.800	V	34.35	-65.45	9.88	1.04	-56.61	-13.00	43.61
QPSK, 1.4MHz, Frequency: 707.5 MHz								
30.70	H	35.24	-36.96	-25.98	0.10	-63.04	-13.00	50.04
41.90	V	48.84	-43.44	-23.89	0.12	-67.45	-13.00	54.45
1415.000	H	38.22	-65.45	8.26	0.72	-57.91	-13.00	44.91
1415.000	V	39.46	-64.26	8.26	0.72	-56.72	-13.00	43.72
2122.500	H	57.08	-44.91	9.17	0.92	-36.66	-13.00	23.66
2122.500	V	52.42	-49.55	9.17	0.92	-41.30	-13.00	28.30
2830.000	H	34.73	-65.07	9.93	1.06	-56.20	-13.00	43.20
2830.000	V	35.52	-64.21	9.93	1.06	-55.34	-13.00	42.34
QPSK, 1.4MHz, Frequency: 715.3 MHz								
30.70	H	35.95	-36.25	-25.98	0.10	-62.33	-13.00	49.33
43.30	V	49.35	-44.75	-22.04	0.12	-66.91	-13.00	53.91
1430.600	H	38.82	-64.81	8.31	0.73	-57.23	-13.00	44.23
1430.600	V	43.16	-60.53	8.31	0.73	-52.95	-13.00	39.95
2145.900	H	52.36	-49.74	9.19	0.93	-41.48	-13.00	28.48
2145.900	V	50.82	-51.29	9.19	0.93	-43.03	-13.00	30.03
2861.200	H	35.61	-64.04	9.98	1.07	-55.13	-13.00	42.13
2861.200	V	34.52	-65.15	9.98	1.07	-56.24	-13.00	43.24

LTE Band 41(30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 5MHz, Frequency: 2537.5 MHz								
30.70	H	34.53	-37.67	-25.98	0.10	-63.75	-25.00	38.75
41.90	V	48.43	-43.85	-23.89	0.12	-67.86	-25.00	42.86
5075.000	H	35.31	-57.90	11.25	1.48	-48.13	-25.00	23.13
5075.000	V	36.93	-56.18	11.25	1.48	-46.41	-25.00	21.41
7612.500	H	44.37	-45.11	10.88	2.02	-36.25	-25.00	11.25
7612.500	V	44.99	-45.20	10.88	2.02	-36.34	-25.00	11.34
QPSK, 5MHz, Frequency:2595 MHz								
30.70	H	36.21	-35.99	-25.98	0.10	-62.07	-25.00	37.07
43.30	V	49.11	-44.99	-22.04	0.12	-67.15	-25.00	42.15
5190.000	H	39.39	-54.68	11.31	1.44	-44.81	-25.00	19.81
5190.000	V	40.20	-53.72	11.31	1.44	-43.85	-25.00	18.85
7785.000	H	44.97	-44.52	10.84	1.99	-35.67	-25.00	10.67
7785.000	V	46.23	-43.69	10.84	1.99	-34.84	-25.00	9.84
QPSK, 5MHz, Frequency: 2652.5 MHz								
30.70	H	36.09	-36.11	-25.98	0.10	-62.19	-25.00	37.19
41.90	V	48.11	-44.17	-23.89	0.12	-68.18	-25.00	43.18
5305.000	H	38.75	-54.69	11.38	1.46	-44.77	-25.00	19.77
5305.000	V	39.85	-53.33	11.38	1.46	-43.41	-25.00	18.41
7957.500	H	43.39	-45.03	10.81	2.09	-36.31	-25.00	11.31
7957.500	V	45.58	-43.29	10.81	2.09	-34.57	-25.00	9.57

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 =====