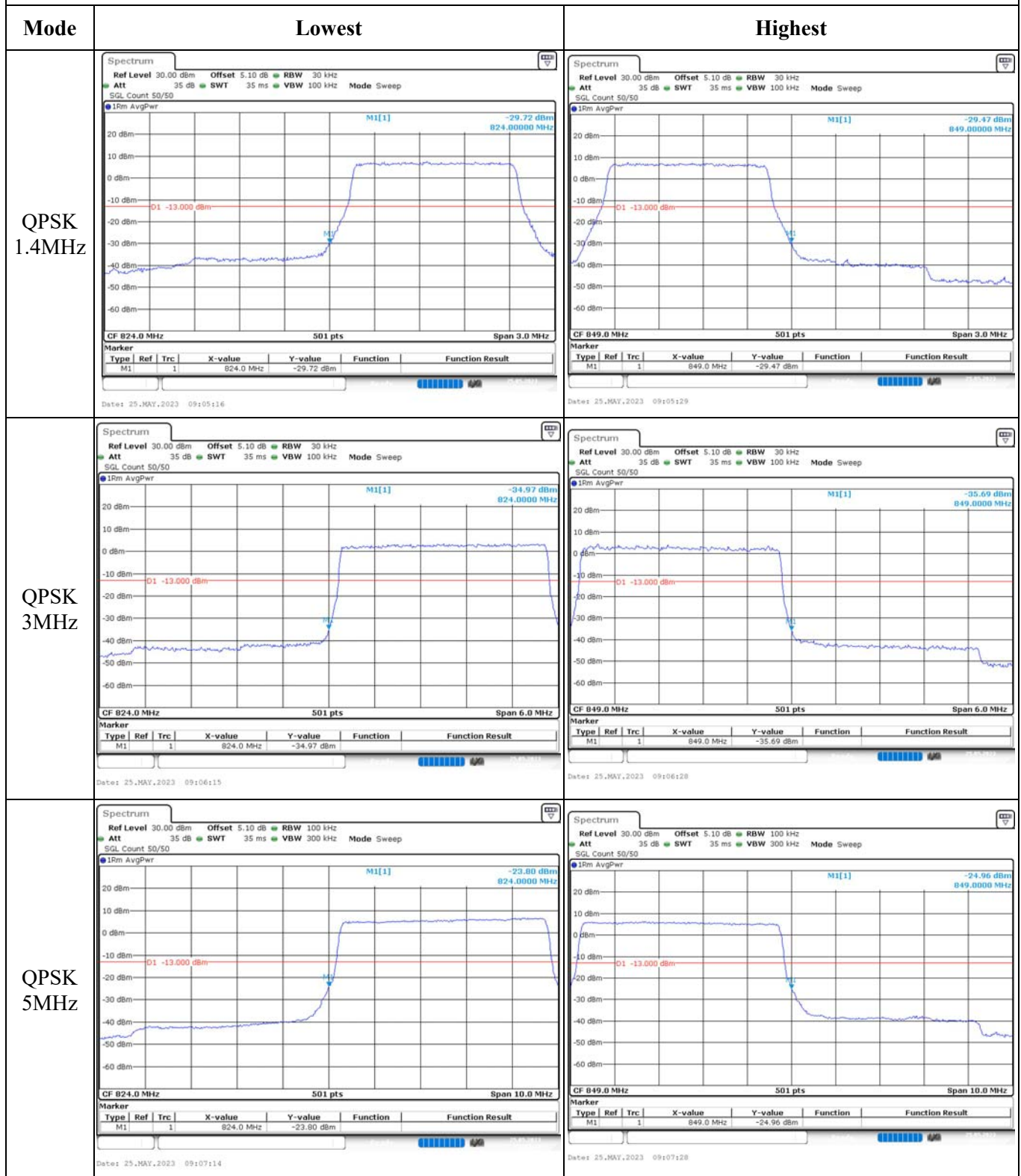
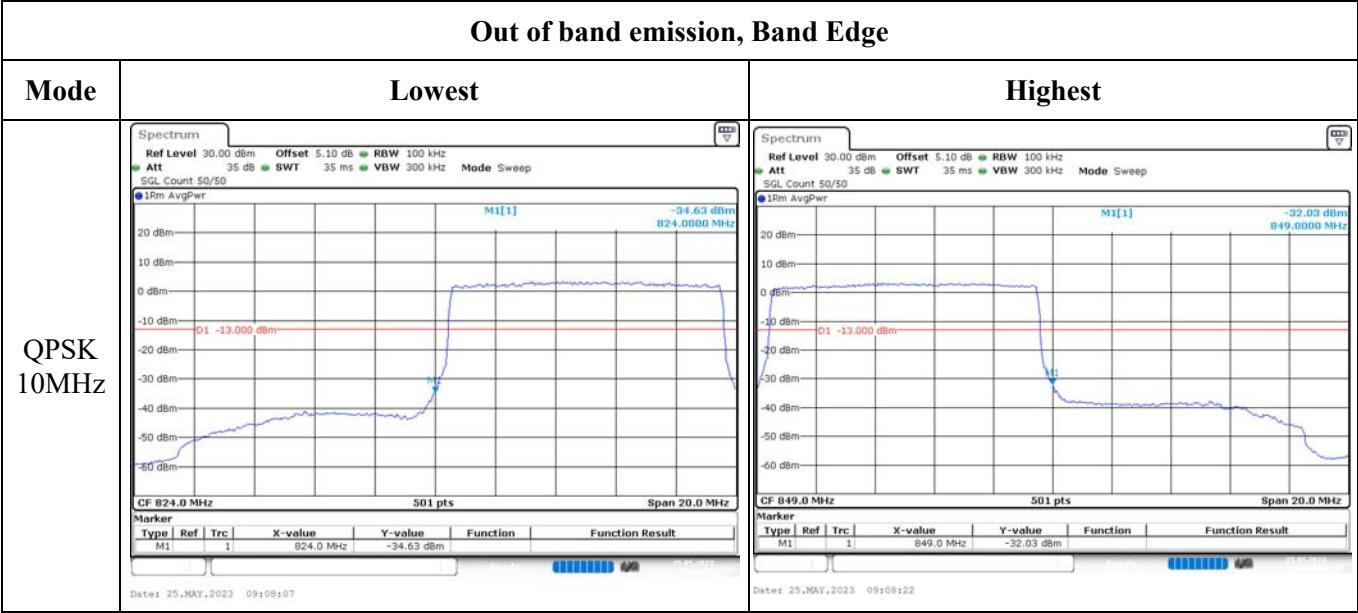


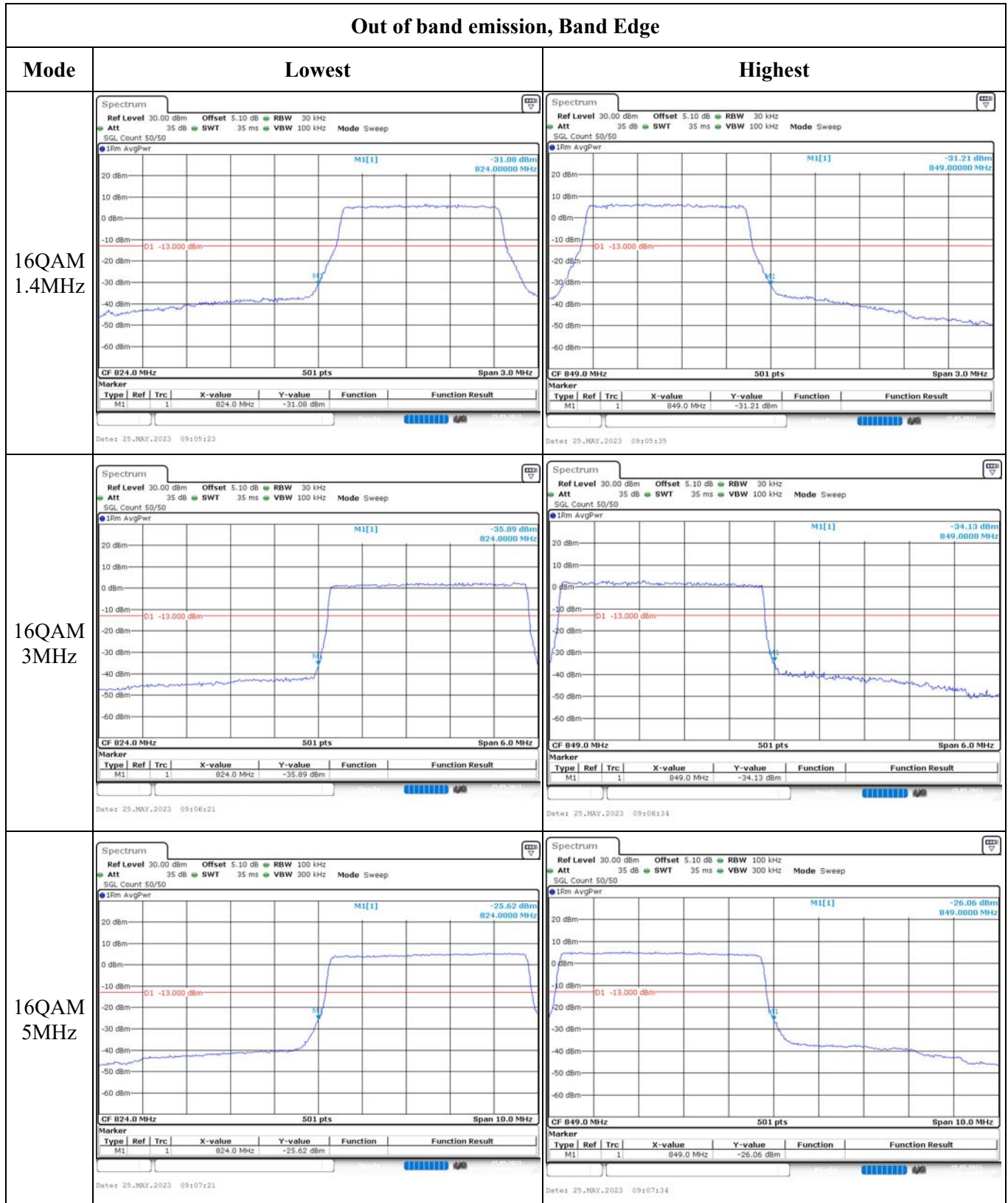
Out of band emission, Band Edge



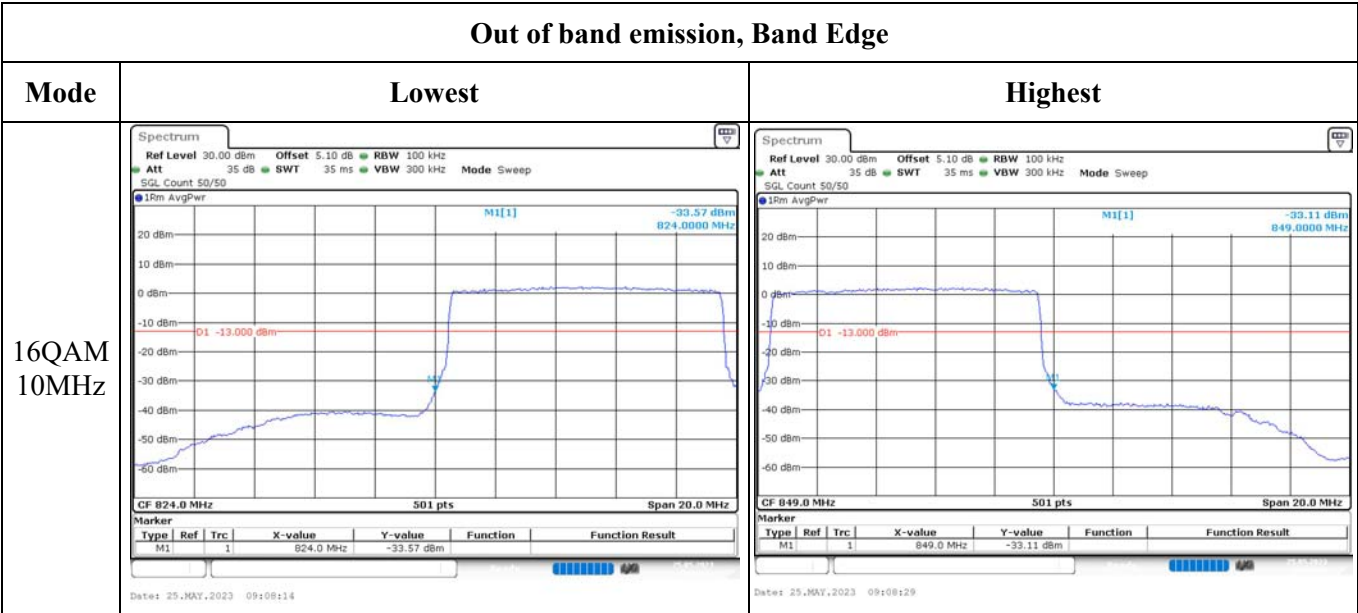
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.9 Antenna Port Test Data and Results for LTE Band 7

Serial Number:	25UK-5	Test Date:	2023/05/24~2023/06/01
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.8~26.5	Relative Humidity: (%)	42~56	ATM Pressure: (kPa)	100.3~101.9
----------------------	-----------	---------------------------	-------	------------------------	-------------

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	SJ0100004	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Unknown	Coaxial tee connector	Unknown	2204004	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	2022-09-29	2023-09-28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	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 Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	2502.5	2535	2567.5
10MHz	2505	2535	2565
15MHz	2507.5	2535	2562.5
20MHz	2510	2535	2560

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	22.53	22.01	22.22	17.46	33
	RB1#13	22.7	22.19	22.39		
	RB1#24	22.07	22.07	22.34		
	RB15#0	21.1	21.14	21.4		
	RB15#10	21.17	21.15	21.41		
	RB25#0	21.09	21.13	21.34		
5MHz 16QAM	RB1#0	21.24	21.08	21.05	16.17	33
	RB1#13	21.41	21.2	21.23		
	RB1#24	21.26	21.08	21.16		
	RB15#0	19.99	20.13	20.36		
	RB15#10	20.06	20.14	20.37		
	RB25#0	20.01	20.11	20.33		
10MHz QPSK	RB1#0	22.65	22.09	22.26	17.41	33
	RB1#25	22.33	22.3	22.46		
	RB1#49	22.13	22.13	22.43		
	RB25#0	21.06	21.2	21.42		
	RB25#25	21.22	21.17	21.39		
	RB50#0	21.12	21.17	21.39		
10MHz 16QAM	RB1#0	21.05	21.57	21.33	16.5	33
	RB1#25	21.24	21.74	21.53		
	RB1#49	21.05	21.59	21.48		
	RB25#0	20.09	20.16	20.36		
	RB25#25	20.28	20.16	20.34		
	RB50#0	20.11	20.15	20.35		
15MHz QPSK	RB1#0	22.54	22	22.12	17.3	33
	RB1#38	22.17	22.19	22.35		
	RB1#74	22.01	22.09	22.35		
	RB36#0	21.1	21.2	21.38		
	RB36#39	21.28	21.24	21.4		
	RB75#0	21.2	21.24	21.43		
15MHz 16QAM	RB1#0	21.32	21.47	21.24	16.39	33
	RB1#38	21.45	21.63	21.4		
	RB1#74	21.31	21.56	21.4		
	RB36#0	20.06	20.18	20.37		
	RB36#39	20.2	20.19	20.37		
	RB75#0	20.13	20.21	20.32		
20MHz QPSK	RB1#0	21.95	21.79	21.98	17.14	33
	RB1#50	22.3	22.3	22.38		
	RB1#99	21.83	21.94	22.2		

20MHz 16QAM	RB50#0	20.94	21.18	21.25	16.52	33
	RB50#50	21.16	21.16	21.17		
	RB100#0	21.07	21.2	21.21		
	RB1#0	21.04	21.29	21.19		
	RB1#50	21.4	21.76	21.64		
	RB1#99	20.97	21.41	21.41		
	RB50#0	19.88	20.17	20.21		
	RB50#50	20.15	20.08	20.09		
	RB100#0	20.02	20.16	20.24		

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	4.12	3.97	3.86	13
	RB100#0	4.87	4.81	4.64	13
20MHz 16QAM	RB1#0	5.04	4.99	4.75	13
	RB100#0	5.74	5.8	5.62	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	4.531	4.531	4.531	5.2	5.2	5.26
5MHz 16QAM	4.531	4.551	4.511	5.22	5.26	5.18
10MHz QPSK	8.982	8.942	9.022	9.88	9.88	9.96
10MHz 16QAM	8.982	8.982	8.942	9.92	9.96	9.8
15MHz QPSK	13.593	13.533	13.593	15.18	15.24	15.6
15MHz 16QAM	13.533	13.533	13.593	15.12	15.18	15.18
20MHz QPSK	17.964	17.964	17.964	19.68	19.76	20
20MHz 16QAM	18.044	18.044	17.884	19.76	20	19.76

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

FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
----------------	--

FCC §2.1051, § 27.53:Out of band emission, Band Edge

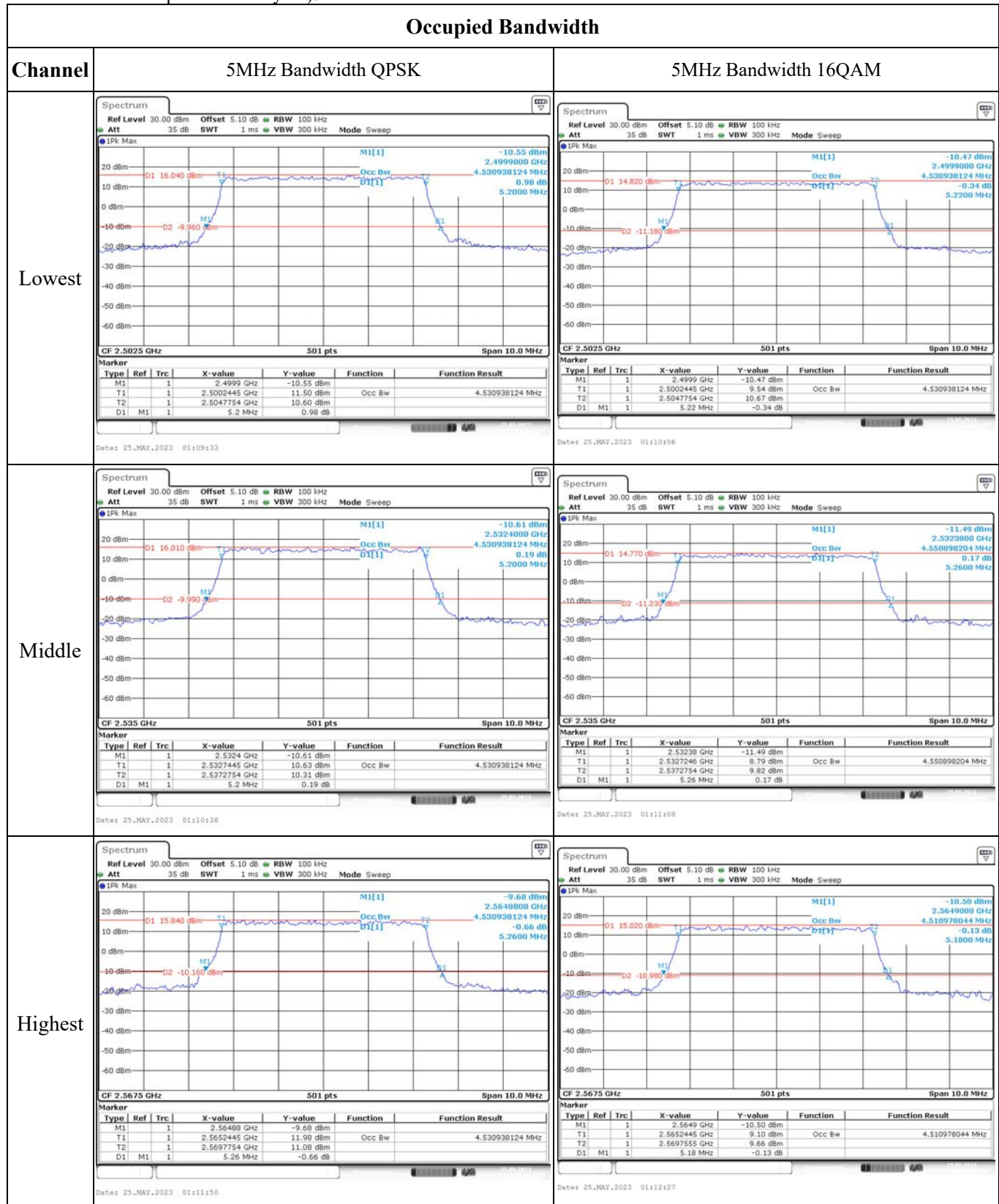
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
----------------	---

FCC §2.1055, §27.54: 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	3.8	2501.029	2500.00	2568.936	2570
	-20	3.8	2501.050	2500.00	2568.903	2570
	-10	3.8	2501.030	2500.00	2568.976	2570
	0	3.8	2501.068	2500.00	2568.966	2570
	10	3.8	2501.016	2500.00	2568.933	2570
	20	3.8	2501.058	2500.00	2568.942	2570
	30	3.8	2501.068	2500.00	2568.920	2570
	40	3.8	2501.093	2500.00	2568.922	2570
	50	3.8	2501.050	2500.00	2568.999	2570
Frequency Stability vs. Voltage	20	3.5	2501.098	2500.00	2568.968	2570
	20	4.35	2501.098	2500.00	2568.937	2570
					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	3.8	2501.065	2500.00	2568.940	2570
	-20	3.8	2501.011	2500.00	2568.978	2570
	-10	3.8	2501.008	2500.00	2568.995	2570
	0	3.8	2501.085	2500.00	2568.903	2570
	10	3.8	2501.100	2500.00	2568.931	2570
	20	3.8	2501.058	2500.00	2568.942	2570
	30	3.8	2501.050	2500.00	2568.954	2570
	40	3.8	2501.020	2500.00	2568.966	2570
	50	3.8	2501.005	2500.00	2568.907	2570
Frequency Stability vs. Voltage	20	3.5	2501.066	2500.00	2568.937	2570
	20	4.35	2501.012	2500.00	2568.933	2570
					Result:	Pass

Test Plots(Note: The 5.1dB is the Insertion loss of the RF cable, Coaxial tee connector and DC Block, which was offset into the Spectrum Analyzer):



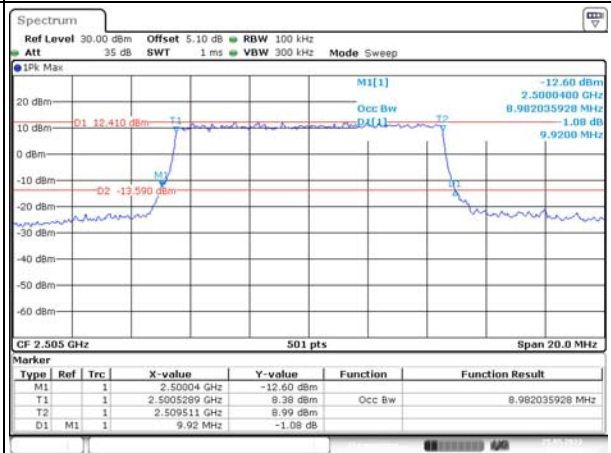
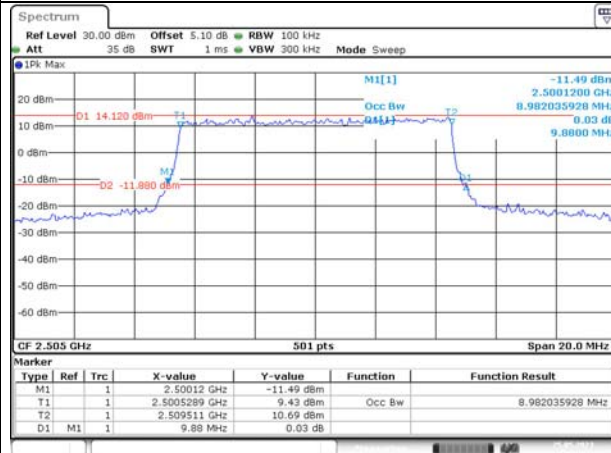
Occupied Bandwidth

Channel

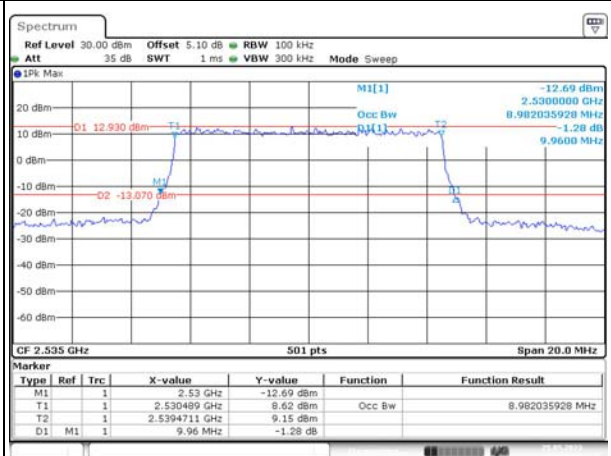
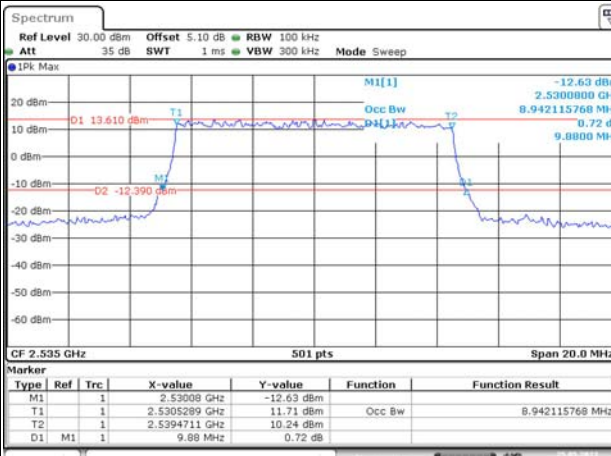
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

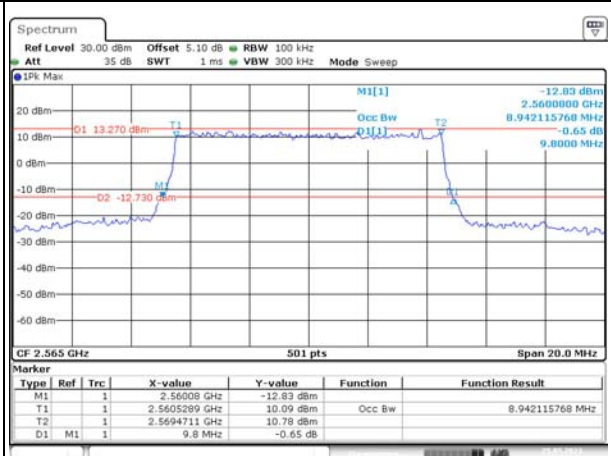
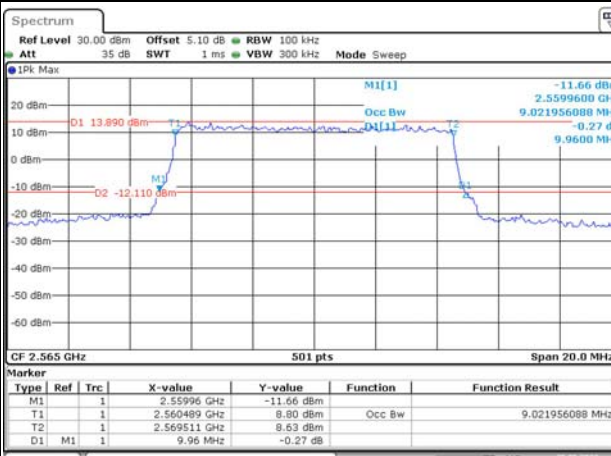
Lowest



Middle



Highest



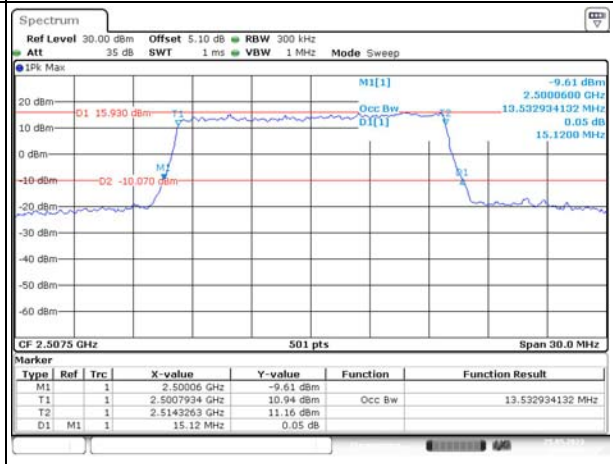
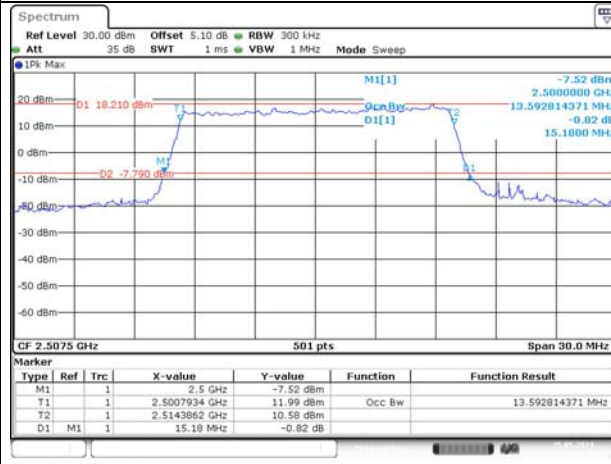
Occupied Bandwidth

Channel

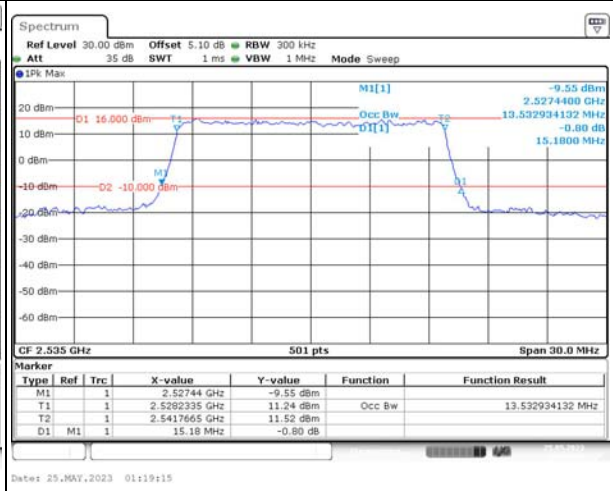
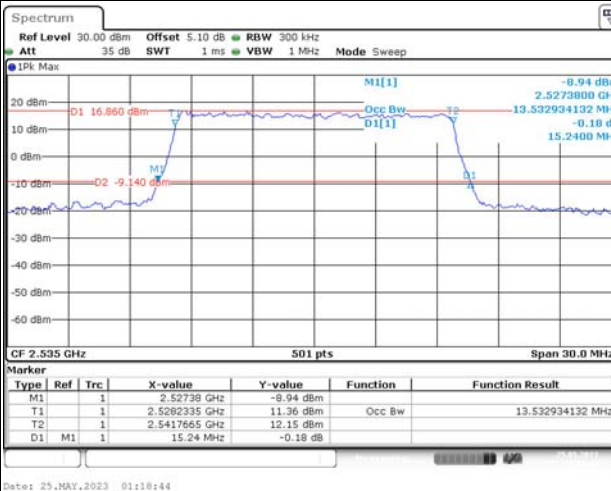
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

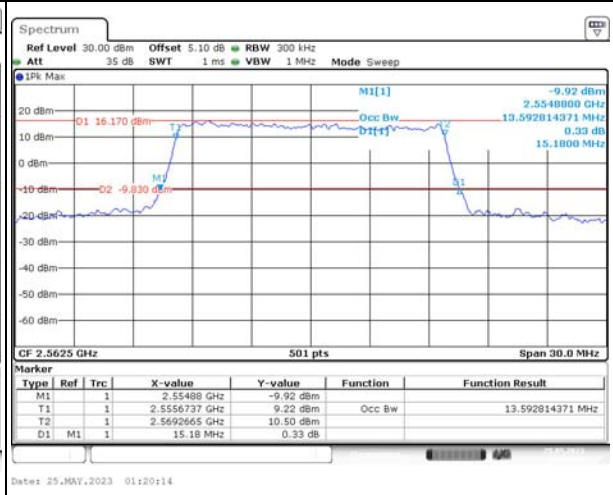
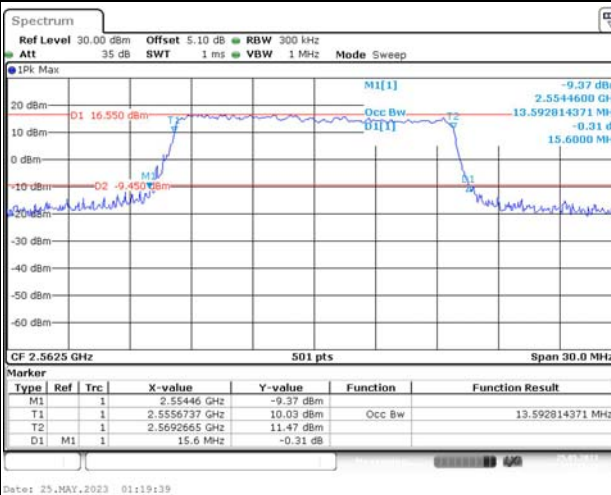
Lowest



Middle



Highest



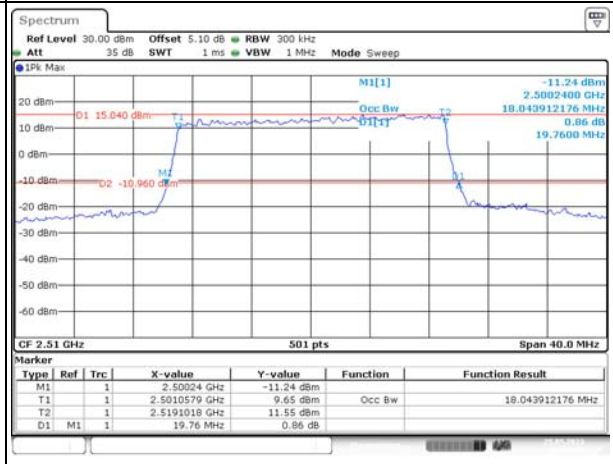
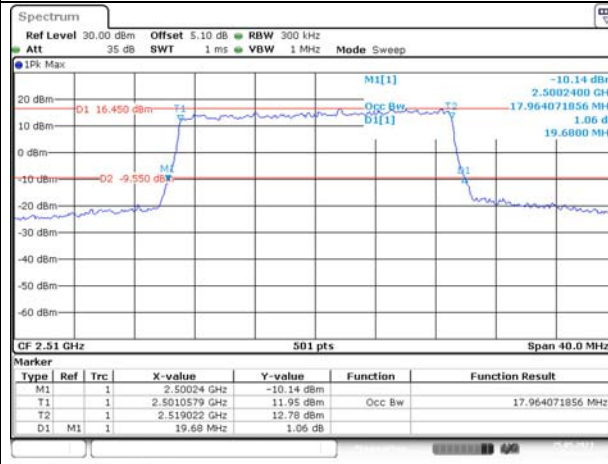
Occupied Bandwidth

Channel

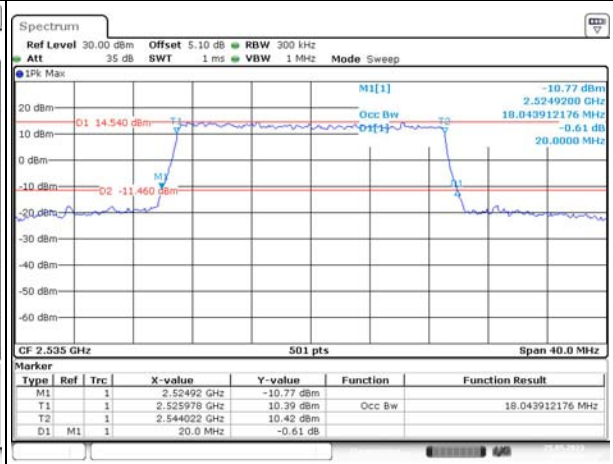
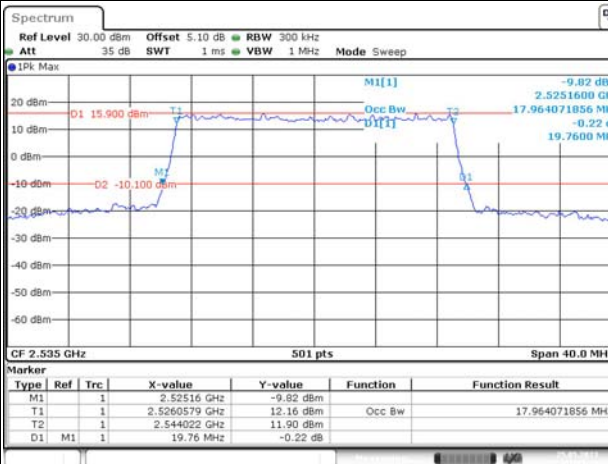
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

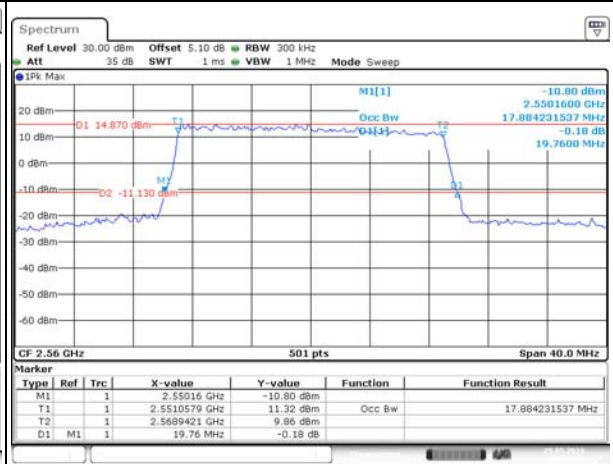
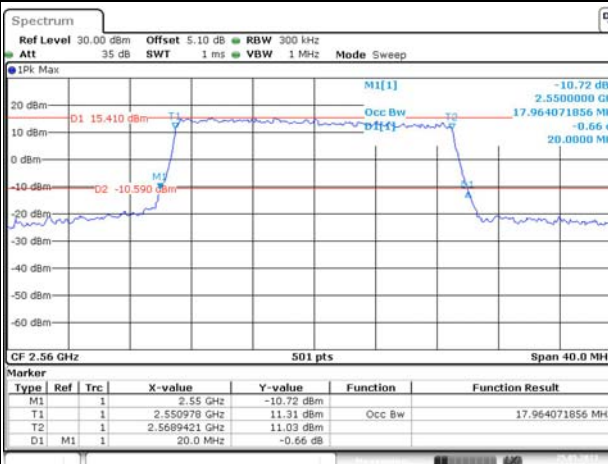
Lowest



Middle



Highest

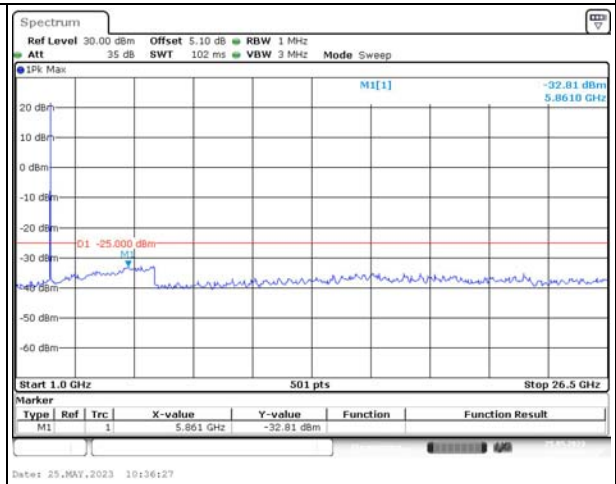
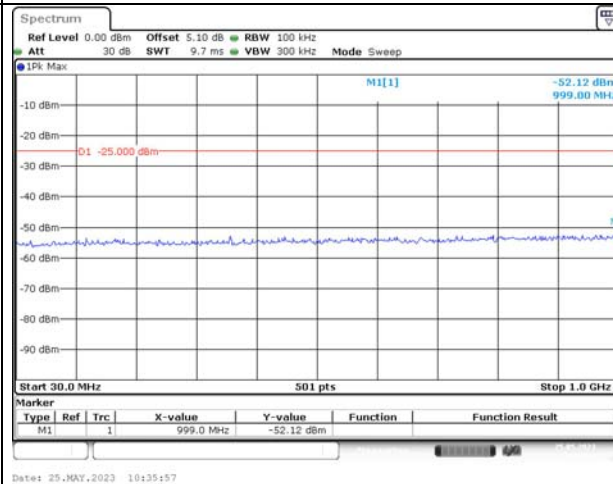


Spurious Emissions at Antenna Terminal

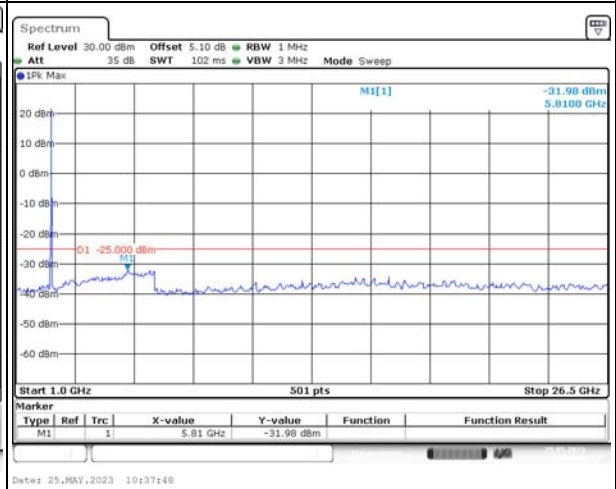
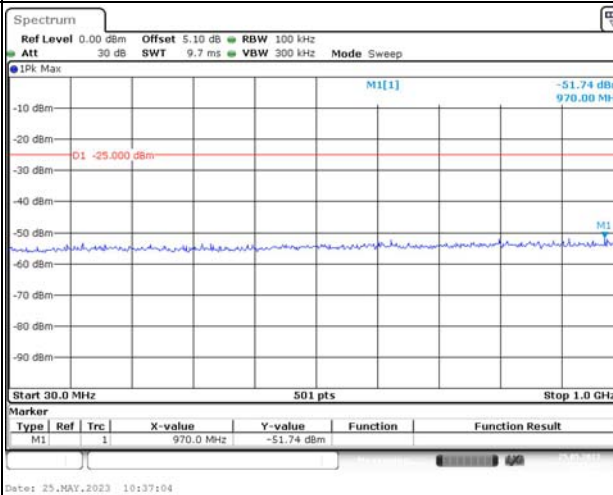
Channel

5MHz Bandwidth QPSK

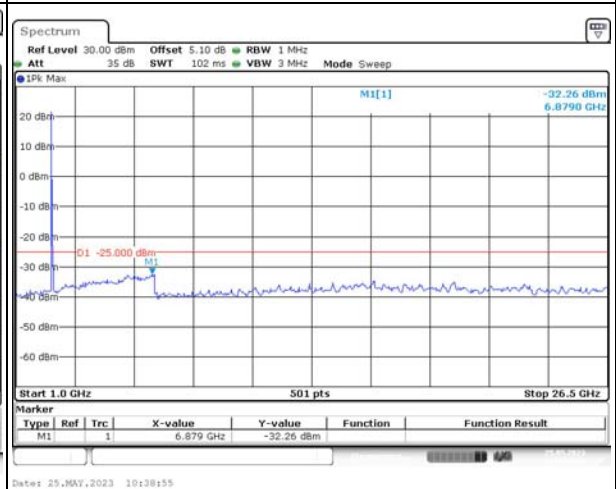
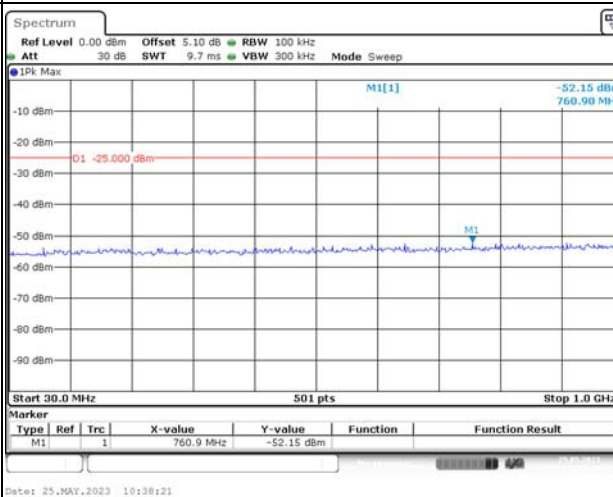
Lowest



Middle



Highest

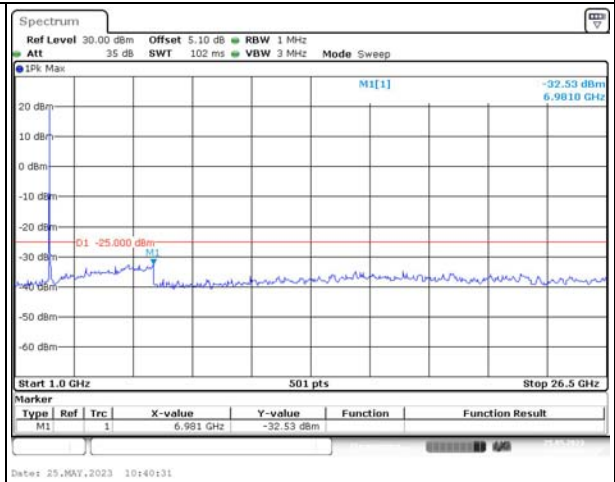
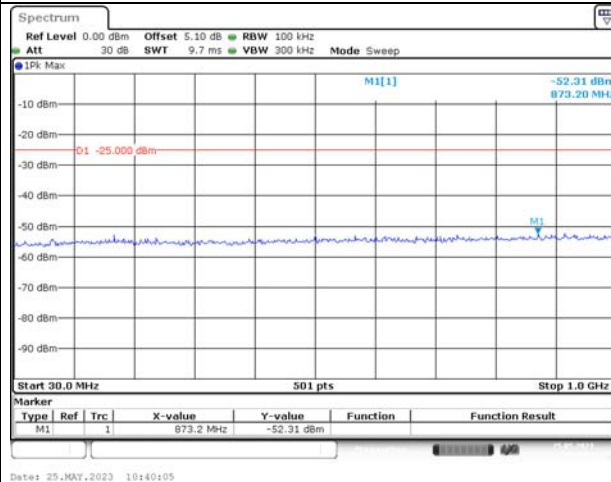


Spurious Emissions at Antenna Terminal

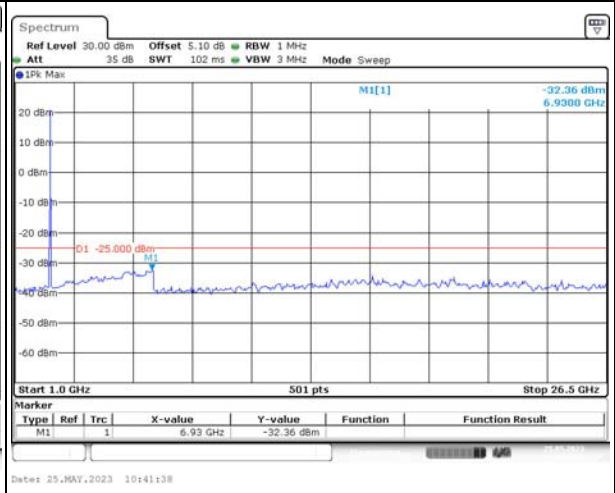
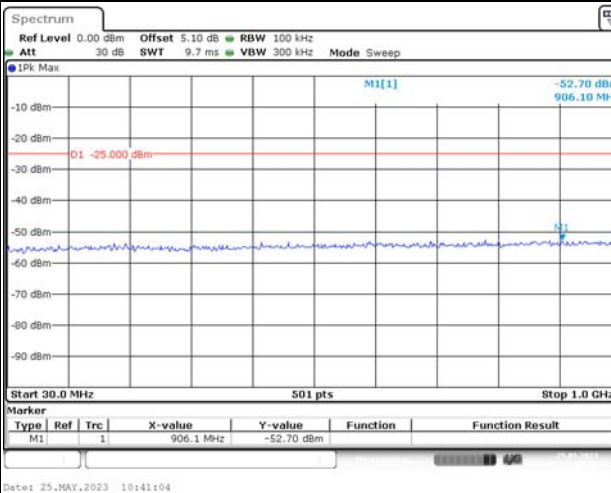
Channel

10MHz Bandwidth QPSK

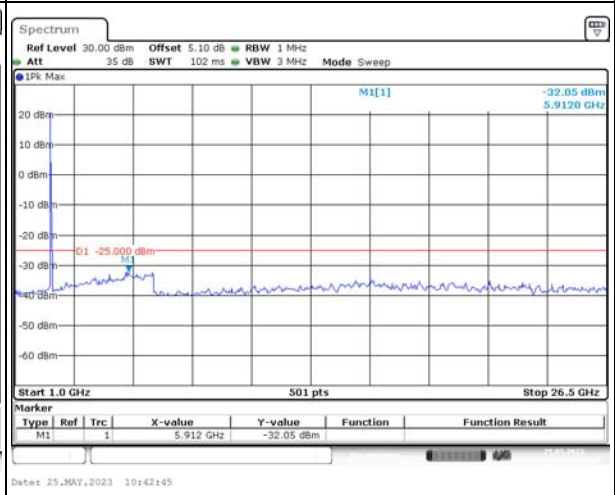
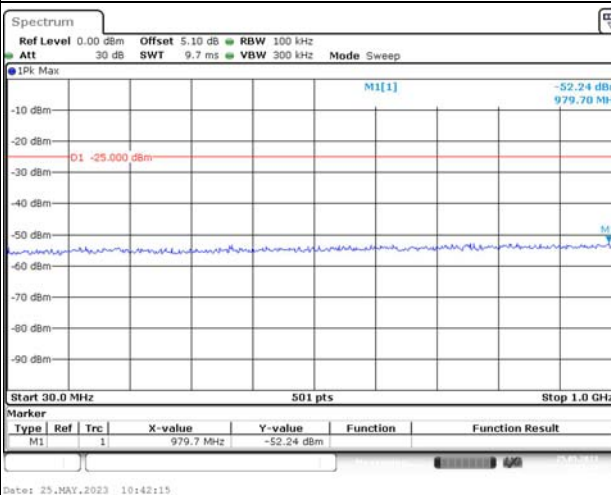
Lowest



Middle



Highest

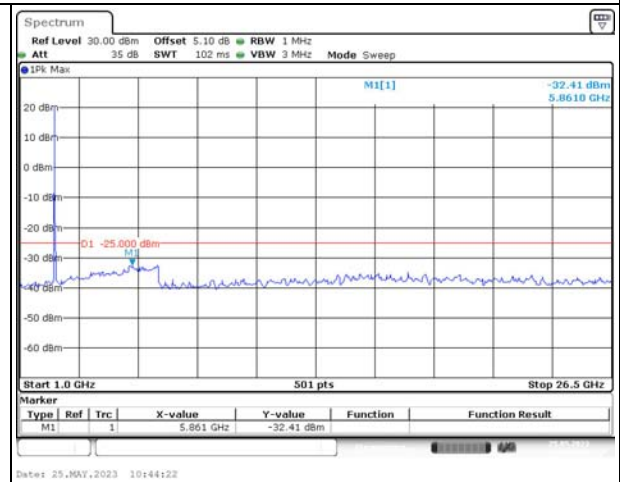
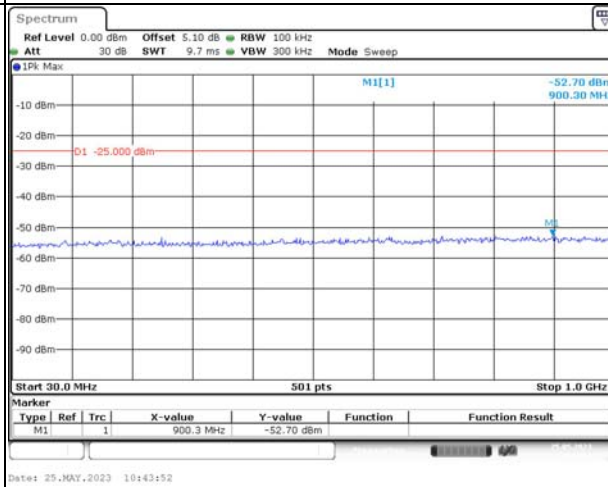


Spurious Emissions at Antenna Terminal

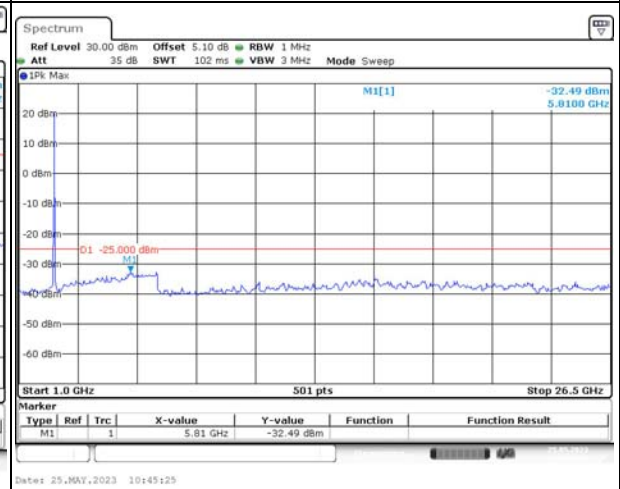
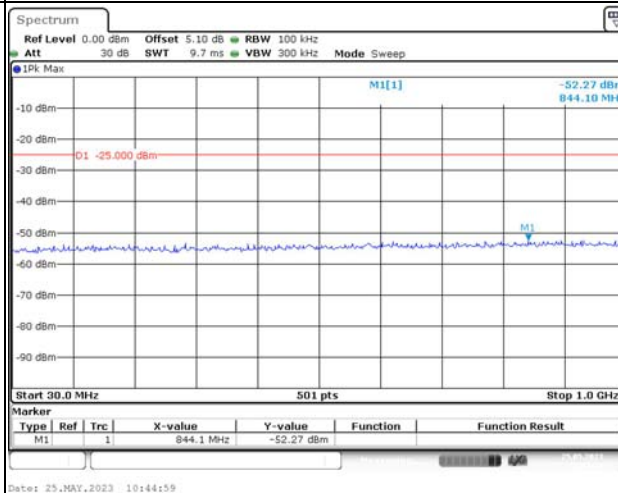
Channel

15MHz Bandwidth QPSK

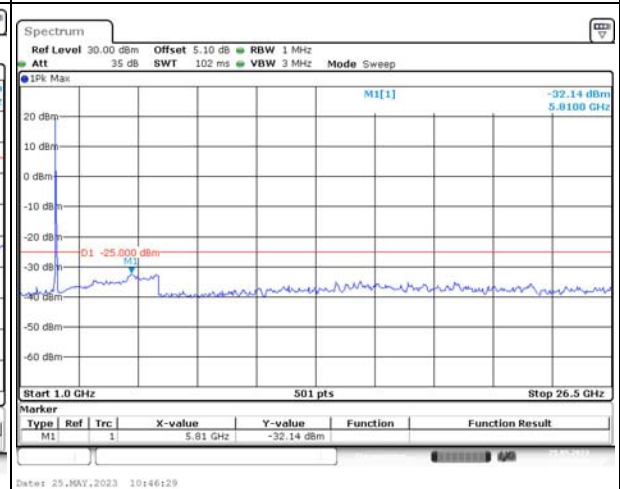
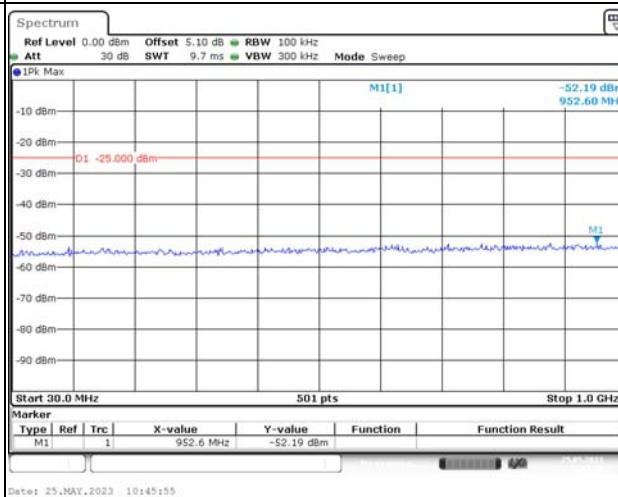
Lowest



Middle



Highest

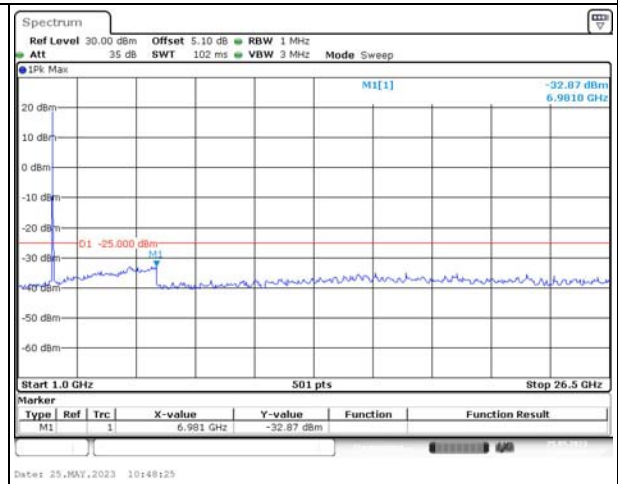
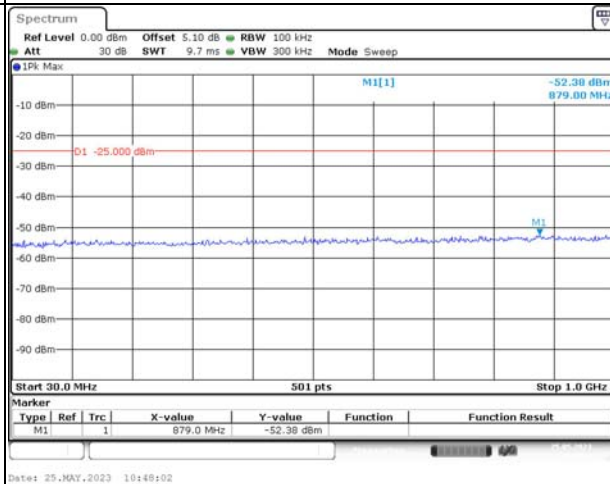


Spurious Emissions at Antenna Terminal

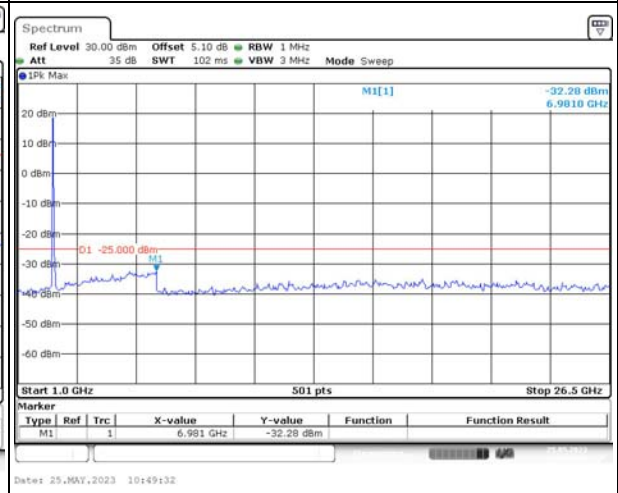
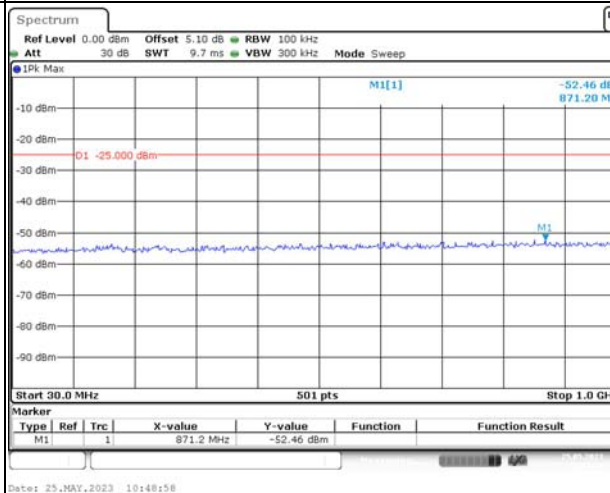
Channel

20MHz Bandwidth QPSK

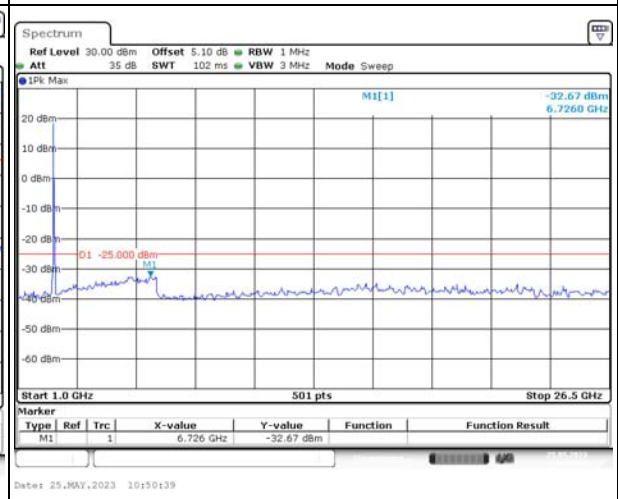
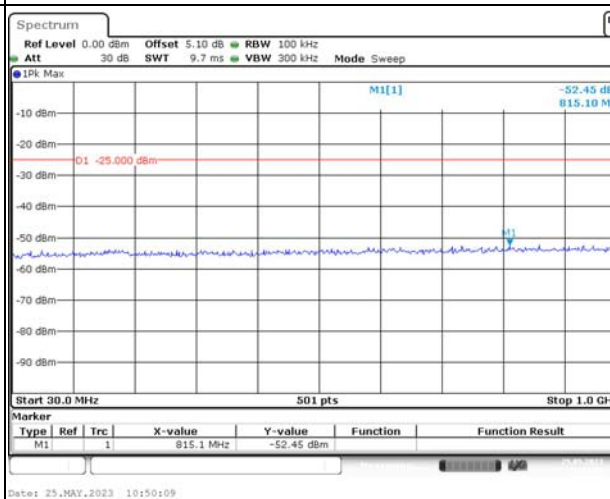
Lowest



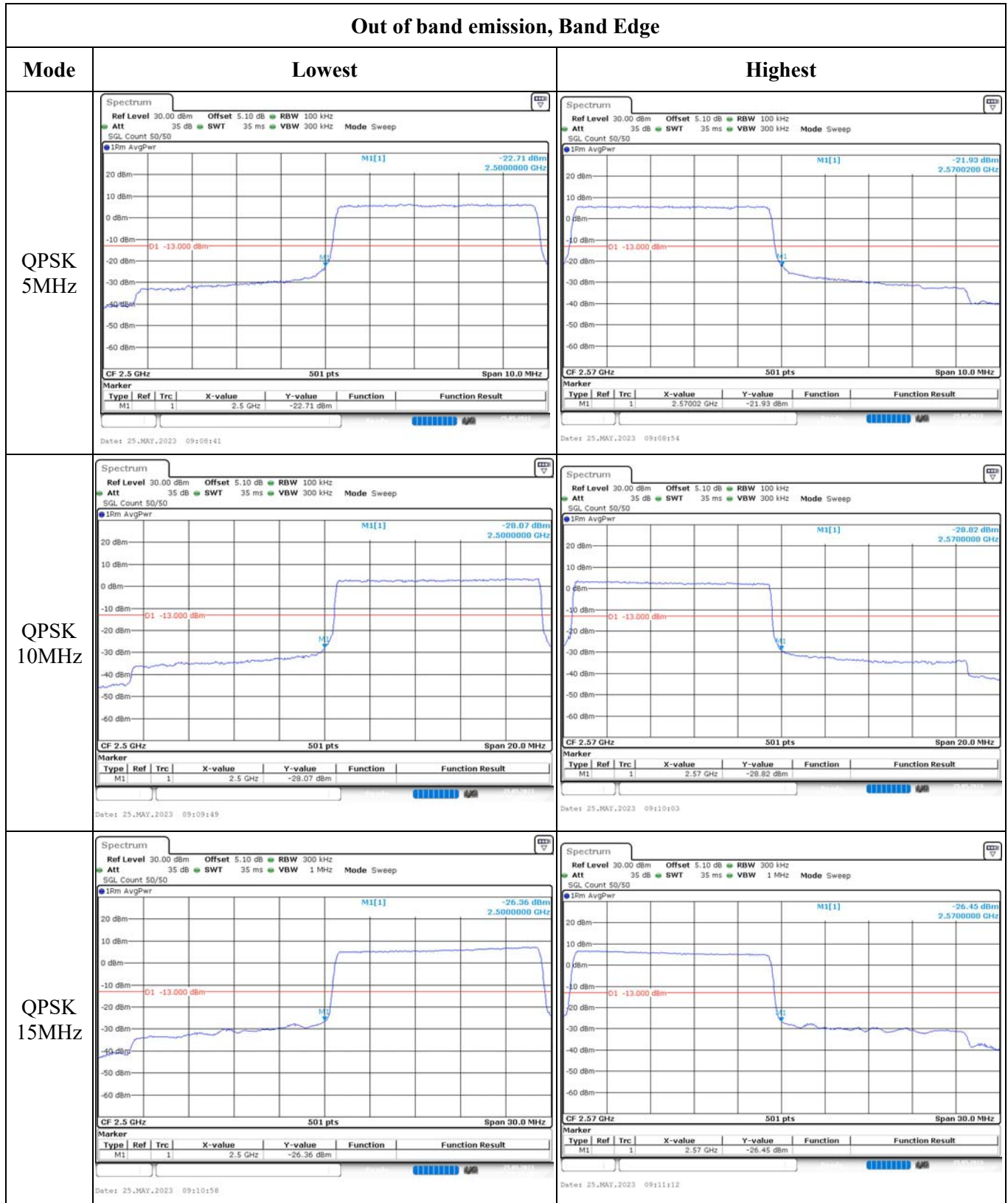
Middle



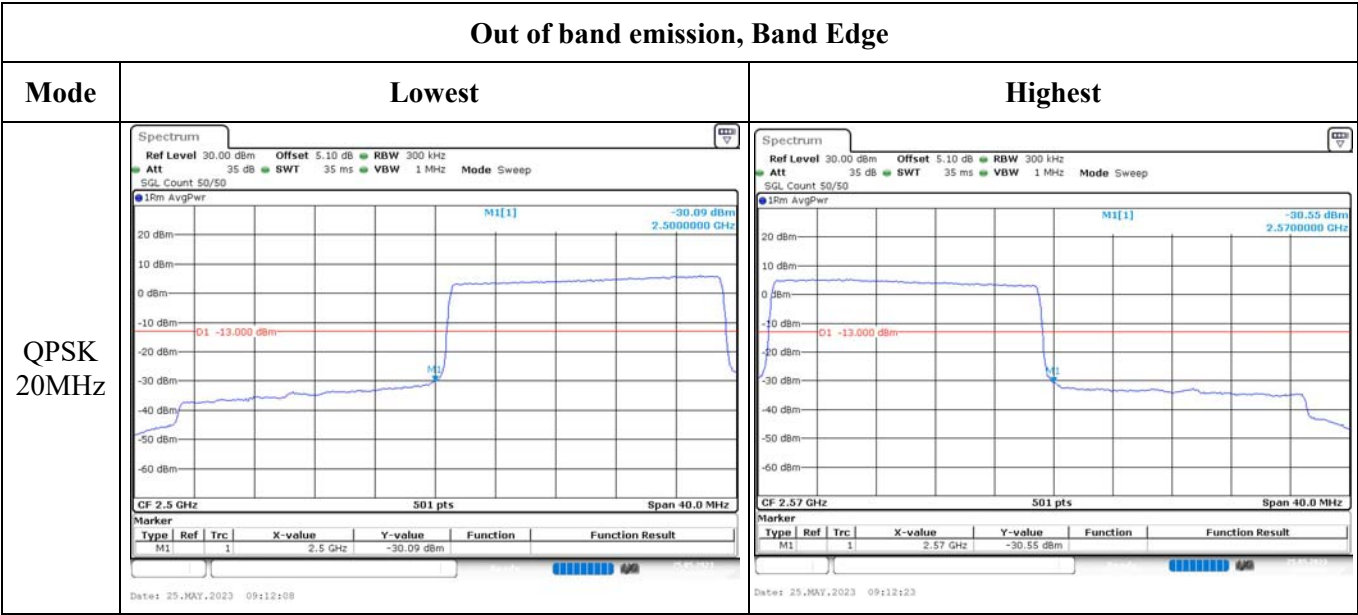
Highest



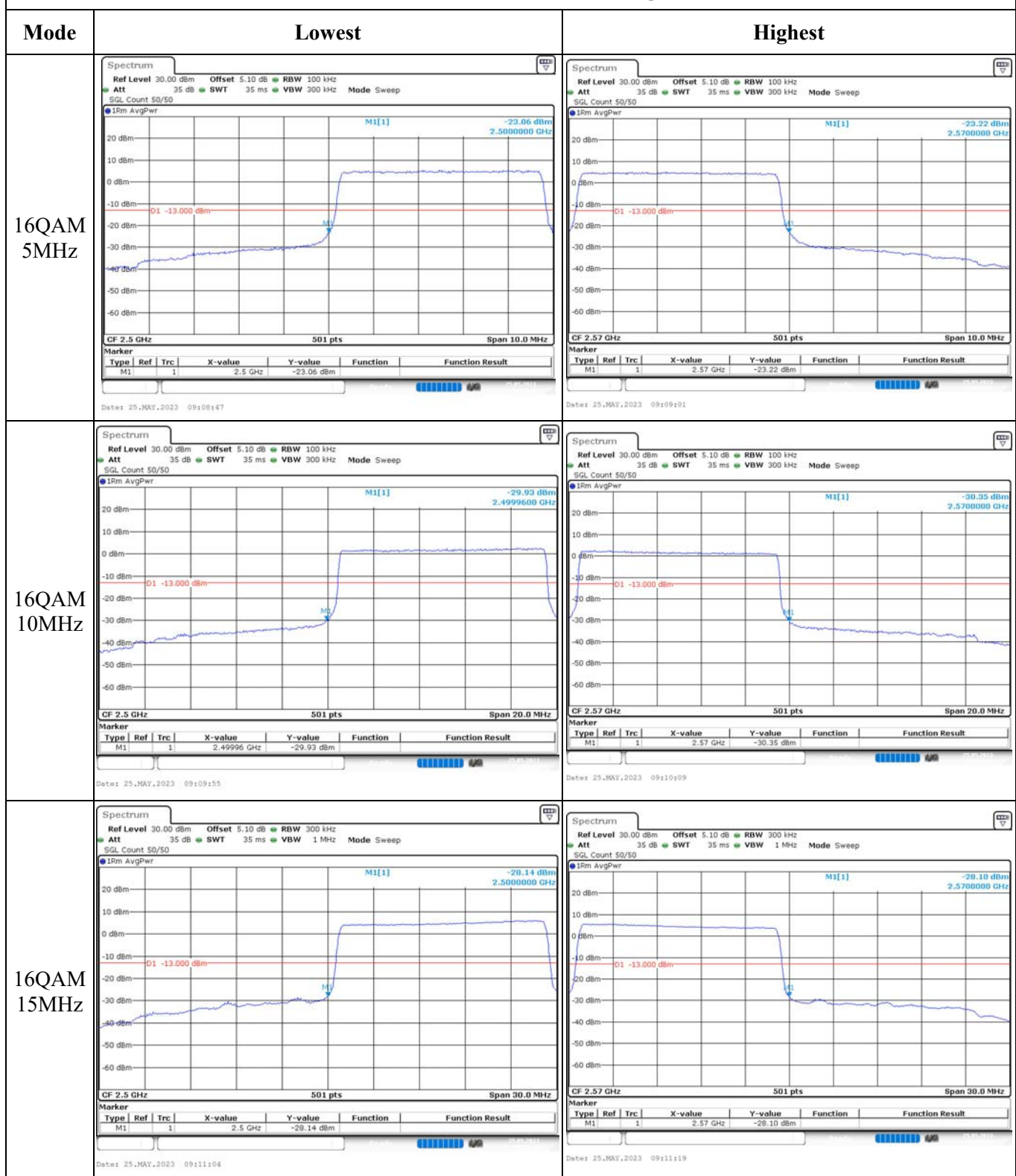
Out of band emission, Band Edge



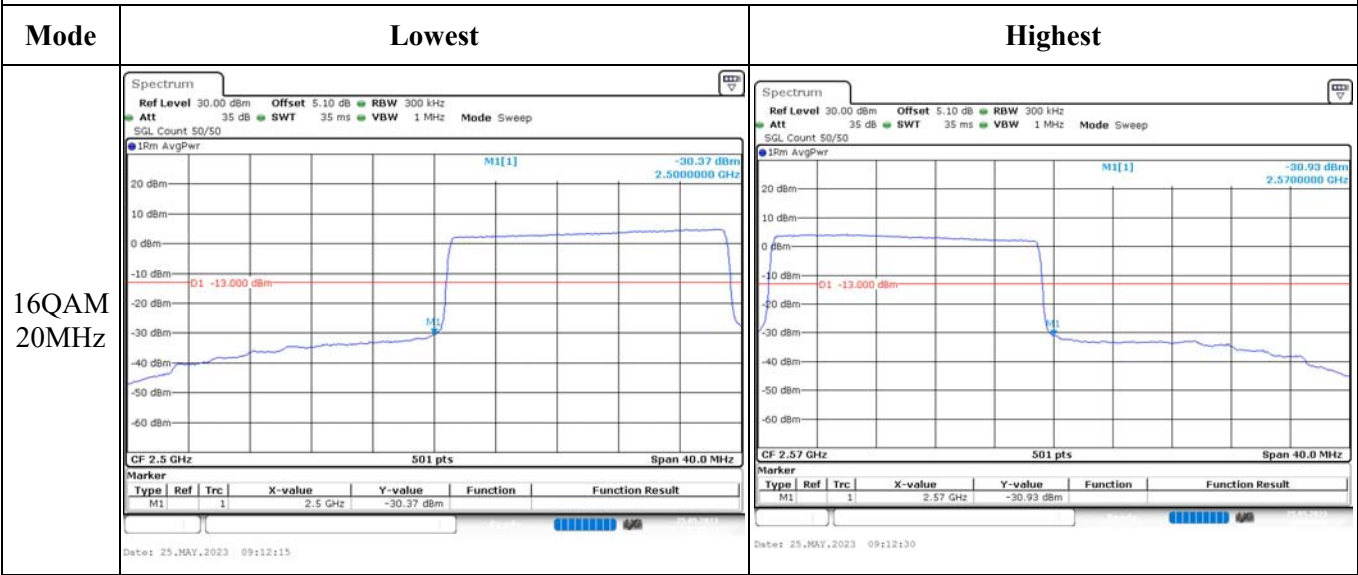
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.10 Antenna Port Test Data and Results for LTE Band 40

Serial Number:	25UK-5	Test Date:	2023/05/24~2023/06/19
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.8~26.5	Relative Humidity: (%)	42~56	ATM Pressure: (kPa)	100.3~101.9
----------------------	-----------	---------------------------	-------	------------------------	-------------

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	SJ0100004	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Unknown	Coaxial tee connector	Unknown	2204004	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	2022-09-29	2023-09-28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	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 2350-2360MHz	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	23.3	/	23.39	19.02	24
	RB1#13	23.49	/	23.55		
	RB1#24	23.4	/	23.45		
	RB15#0	22.39	/	22.4		
	RB15#10	22.47	/	22.49		
	RB25#0	22.4	/	22.53		
5MHz 16QAM	RB1#0	22.27	/	22.57	18.2	24
	RB1#13	22.43	/	22.73		
	RB1#24	22.34	/	22.62		
	RB15#0	21.28	/	21.46		
	RB15#10	21.33	/	21.47		
	RB25#0	21.37	/	21.38		
10MHz QPSK	RB1#0	/	23.42	/	19.24	24
	RB1#25	/	23.77	/		
	RB1#49	/	23.56	/		
	RB25#0	/	22.4	/		
	RB25#25	/	22.61	/		
	RB50#0	/	22.48	/		
10MHz 16QAM	RB1#0	/	22.27	/	18.11	24
	RB1#25	/	22.64	/		
	RB1#49	/	22.42	/		
	RB25#0	/	21.39	/		
	RB25#25	/	21.55	/		
	RB50#0	/	21.42	/		

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	/	23.42	/	19.24	24
	RB1#25	/	23.77	/		
	RB1#49	/	23.56	/		
	RB25#0	/	22.4	/		
	RB25#25	/	22.61	/		
	RB50#0	/	19.52	/		
10MHz 16QAM	RB1#0	/	22.27	/	18.11	24
	RB1#25	/	22.64	/		
	RB1#49	/	22.42	/		
	RB25#0	/	21.39	/		
	RB25#25	/	21.55	/		
	RB50#0	/	18.46	/		

Note:

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

EIRP=Conducted Power(dBm) - Lc(dB) + G_T(dBi)EIRP PSD=Conducted PSD(dBm/5MHz) - Lc(dB) + G_T(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	23.39	/	23.35	19.13	24
	RB1#13	23.49	/	23.49		
	RB1#24	23.39	/	23.35		
	RB15#0	22.38	/	22.36		
	RB15#10	22.42	/	22.37		
	RB25#0	22.42	/	22.35		
5MHz 16QAM	RB1#0	22.43	/	22.14	18.17	24
	RB1#13	22.53	/	22.2		
	RB1#24	22.39	/	22.09		
	RB15#0	21.44	/	21.26		
	RB15#10	21.43	/	21.27		
	RB25#0	21.4	/	21.31		
10MHz QPSK	RB1#0	/	23.49	/	19.3	24
	RB1#25	/	23.66	/		
	RB1#49	/	23.43	/		
	RB25#0	/	22.47	/		
	RB25#25	/	22.47	/		
	RB50#0	/	22.45	/		
10MHz 16QAM	RB1#0	/	22.45	/	18.26	24
	RB1#25	/	22.62	/		
	RB1#49	/	22.39	/		
	RB25#0	/	21.49	/		
	RB25#25	/	21.45	/		
	RB50#0	/	21.41	/		

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	/	23.49	/	19.3	24
	RB1#25	/	23.66	/		
	RB1#49	/	23.43	/		
	RB25#0	/	22.47	/		
	RB25#25	/	22.47	/		
	RB50#0	/	19.49	/		
10MHz 16QAM	RB1#0	/	22.45	/	18.26	24
	RB1#25	/	22.62	/		
	RB1#49	/	22.39	/		
	RB25#0	/	21.49	/		
	RB25#25	/	21.45	/		
	RB50#0	/	18.74	/		
Note: For 5MHz mode, the channel power is equal to the test result in dBm/5MHz. EIRP=Conducted Power(dBm) - Lc(dB) + Gt(dBi) EIRP PSD=Conducted PSD(dBm/5MHz) - Lc(dB) + Gt(dBi)						
					Result:	Pass

Duty Cycle

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	3.15	10.01	31.47	38
	16QAM	5M	3.15	10.01	31.47	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	10.01	31.47	38
					Result:	Pass

FCC §2.1049, §27.53:Occupied Bandwidth**LTE Band 40 Lower:**

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	4.531	/	4.531	5.1	/	5.2
5MHz 16QAM	4.511	/	4.531	5.2	/	5.32
10MHz QPSK	/	8.982	/	/	10	/
10MHz 16QAM	/	8.942	/	/	9.76	/

LTE Band 40 Upper:

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	/	4.531	5.14	/	5.16
5MHz 16QAM	4.571	/	4.511	5.24	/	5.14
10MHz QPSK	/	8.982	/	/	9.76	/
10MHz 16QAM	/	8.942	/	/	9.88	/

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

FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
----------------	--

FCC §2.1051, § 27.53:Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
----------------	---

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 _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2305.565	2305.000	2314.543	2315.000
	-20	3.8	2305.510	2305.000	2314.571	2315.000
	-10	3.8	2305.525	2305.000	2314.554	2315.000
	0	3.8	2305.596	2305.000	2314.501	2315.000
	10	3.8	2305.579	2305.000	2314.580	2315.000
	20	3.8	2305.529	2305.000	2314.511	2315.000
	30	3.8	2305.534	2305.000	2314.574	2315.000
	40	3.8	2305.515	2305.000	2314.503	2315.000
	50	3.8	2305.527	2305.000	2314.523	2315.000
Frequency Stability vs. Voltage	20	3.5	2305.556	2305.000	2314.502	2315.000
	20	4.35	2305.568	2305.000	2314.560	2315.000
					Result:	Pass

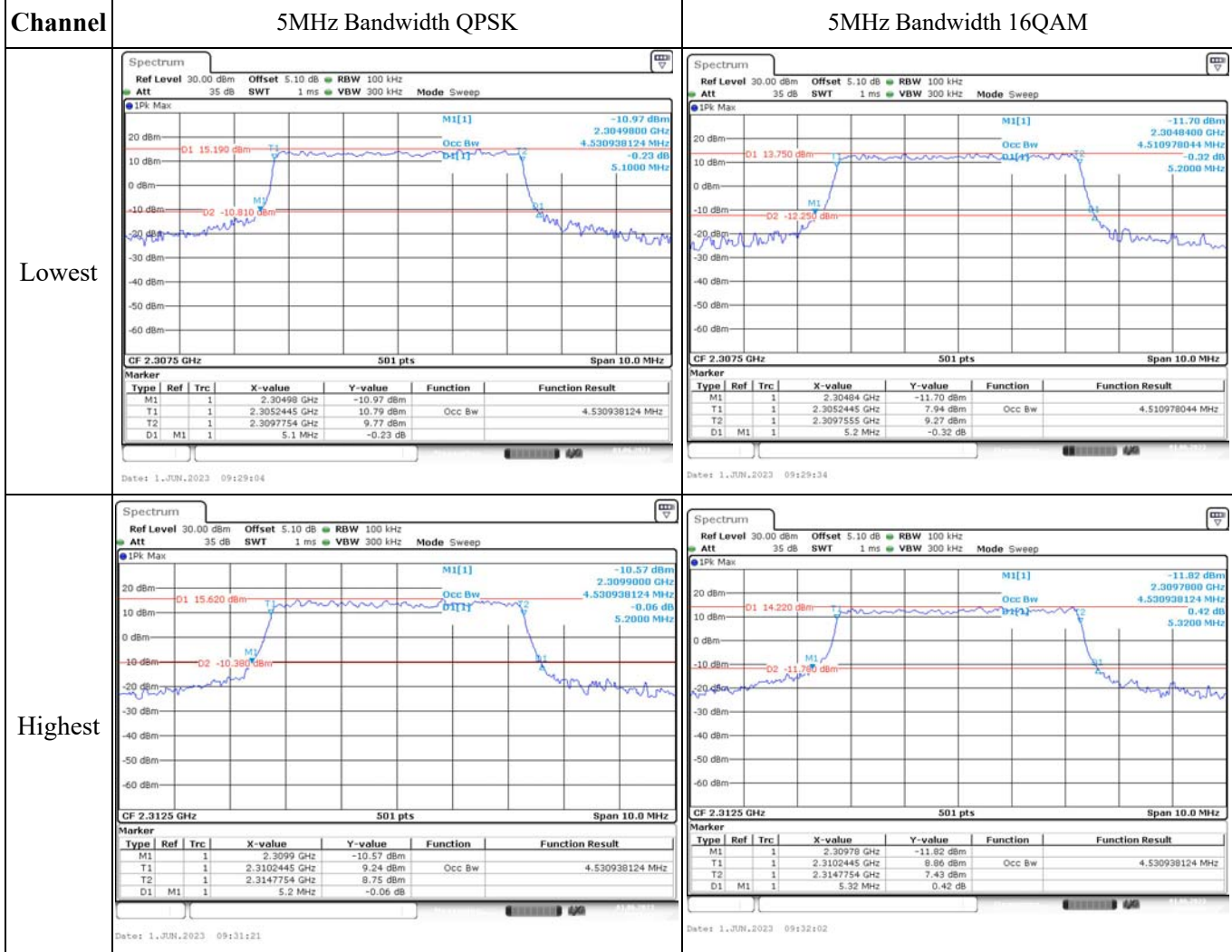
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2305.544	2305.000	2314.456	2315.000
	-20	3.8	2305.585	2305.000	2314.433	2315.000
	-10	3.8	2305.532	2305.000	2314.411	2315.000
	0	3.8	2305.583	2305.000	2314.414	2315.000
	10	3.8	2305.524	2305.000	2314.476	2315.000
	20	3.8	2305.529	2305.000	2314.471	2315.000
	30	3.8	2305.523	2305.000	2314.408	2315.000
	40	3.8	2305.522	2305.000	2314.407	2315.000
	50	3.8	2305.502	2305.000	2314.401	2315.000
Frequency Stability vs. Voltage	20	3.5	2305.514	2305.000	2314.489	2315.000
	20	4.35	2305.564	2305.000	2314.415	2315.000
					Result:	Pass

LTE Band 40 Upper:

Test Mode:	10M 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	3.8	2350.549	2350.000	2359.544	2360.000
	-20	3.8	2350.591	2350.000	2359.578	2360.000
	-10	3.8	2350.598	2350.000	2359.565	2360.000
	0	3.8	2350.545	2350.000	2359.573	2360.000
	10	3.8	2350.555	2350.000	2359.570	2360.000
	20	3.8	2350.529	2350.000	2359.511	2360.000
	30	3.8	2350.520	2350.000	2359.510	2360.000
	40	3.8	2350.532	2350.000	2359.522	2360.000
	50	3.8	2350.546	2350.000	2359.512	2360.000
Frequency Stability vs. Voltage	20	3.5	2350.569	2350.000	2359.501	2360.000
	20	4.35	2350.533	2350.000	2359.550	2360.000
					Result:	Pass

Test Mode:	10M 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	3.8	2350.561	2350.000	2359.460	2360.000
	-20	3.8	2350.588	2350.000	2359.485	2360.000
	-10	3.8	2350.562	2350.000	2359.414	2360.000
	0	3.8	2350.527	2350.000	2359.430	2360.000
	10	3.8	2350.518	2350.000	2359.449	2360.000
	20	3.8	2350.529	2350.000	2359.471	2360.000
	30	3.8	2350.557	2350.000	2359.410	2360.000
	40	3.8	2350.534	2350.000	2359.443	2360.000
	50	3.8	2350.542	2350.000	2359.462	2360.000
Frequency Stability vs. Voltage	20	3.5	2350.555	2350.000	2359.421	2360.000
	20	4.35	2350.551	2350.000	2359.482	2360.000
					Result:	Pass

Test Plots(Note: The 5.1dB is the Insertion loss of the RF cable, Coaxial tee connector and DC Block, which was offset into the Spectrum Analyzer):

LTE Band 40 Lower**Occupied Bandwidth**

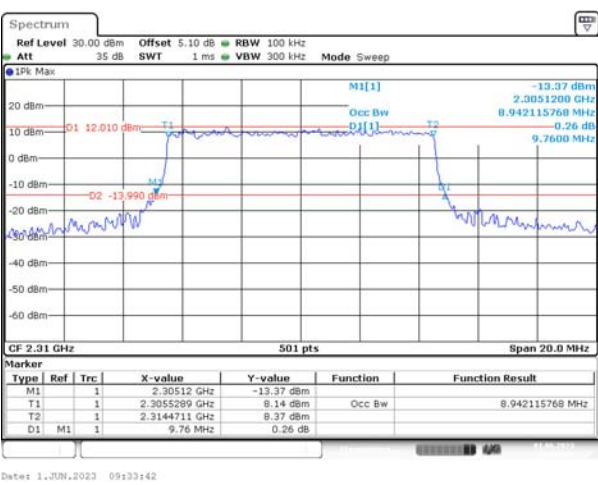
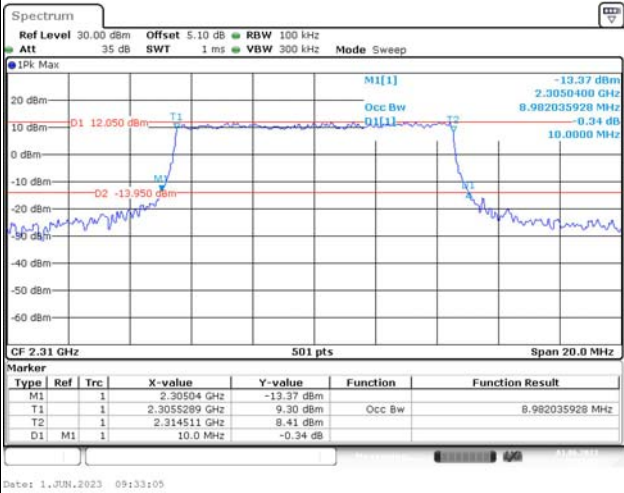
Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

Middle



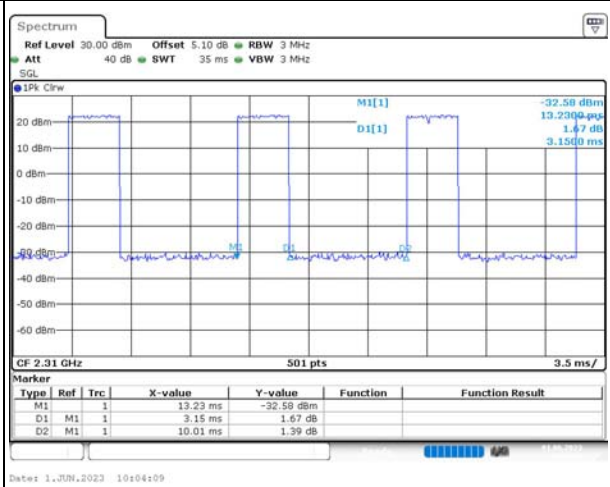
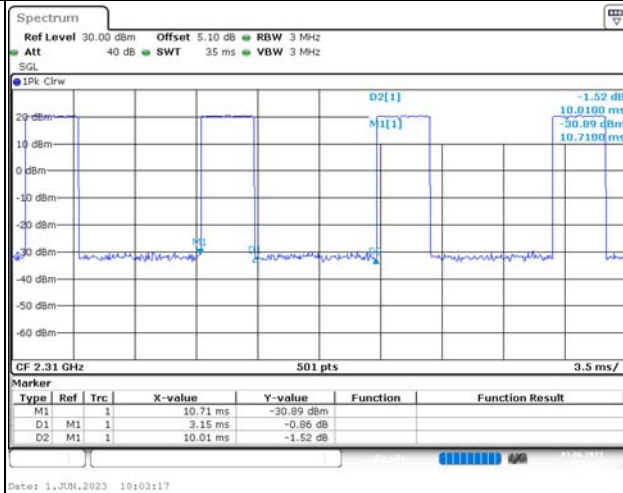
Duty Cycle

Channel

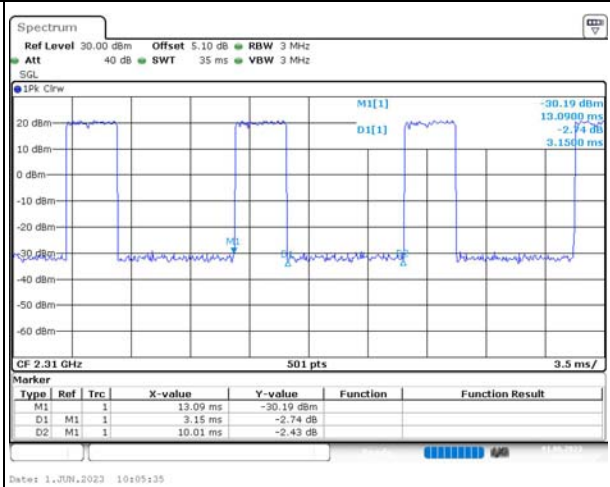
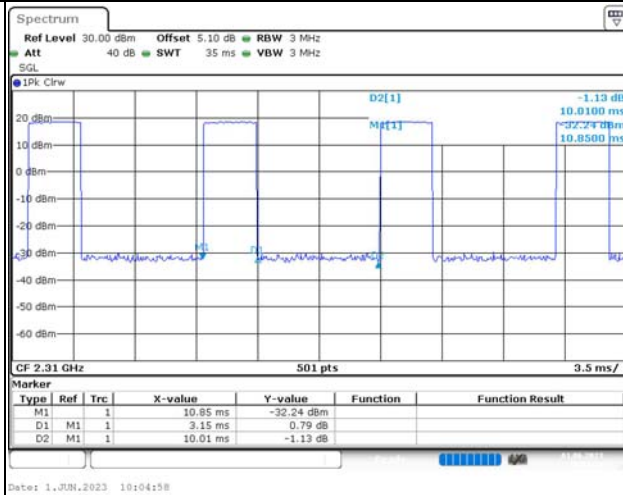
QPSK

16QAM

5MHz



10MHz

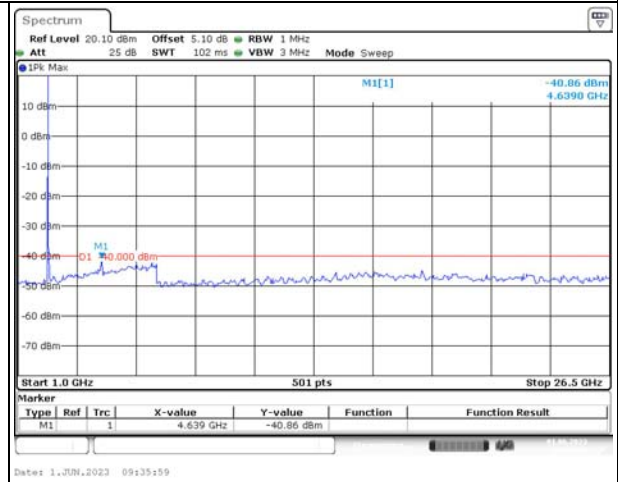
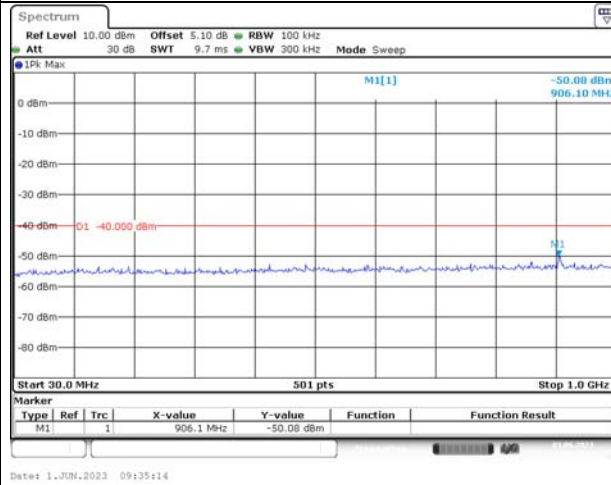


Spurious Emissions at Antenna Terminal

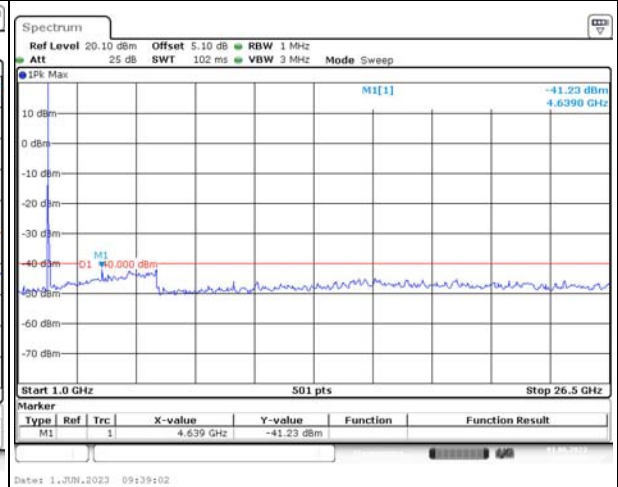
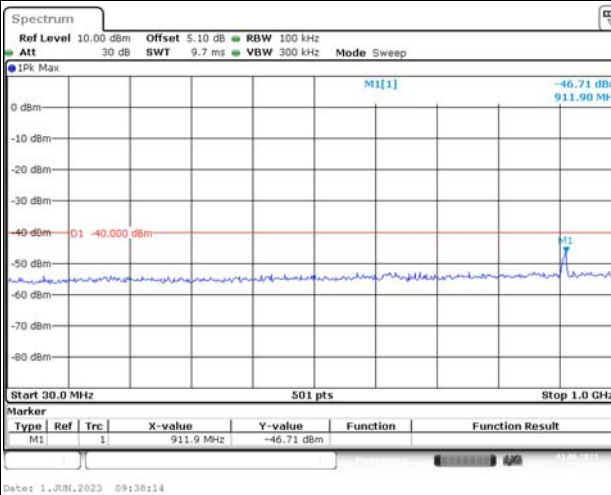
Channel

5MHz Bandwidth QPSK

Lowest



Highest

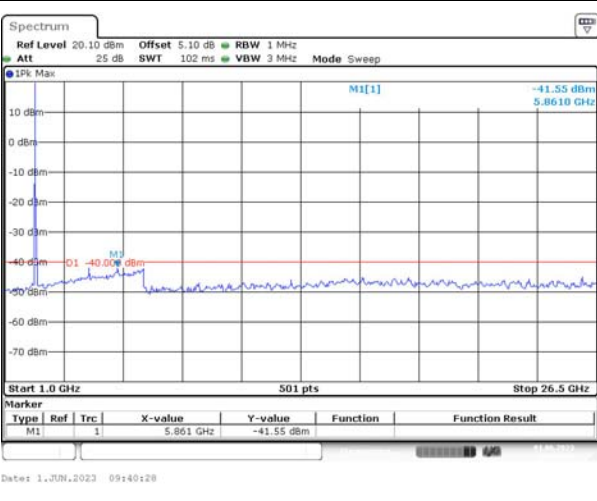
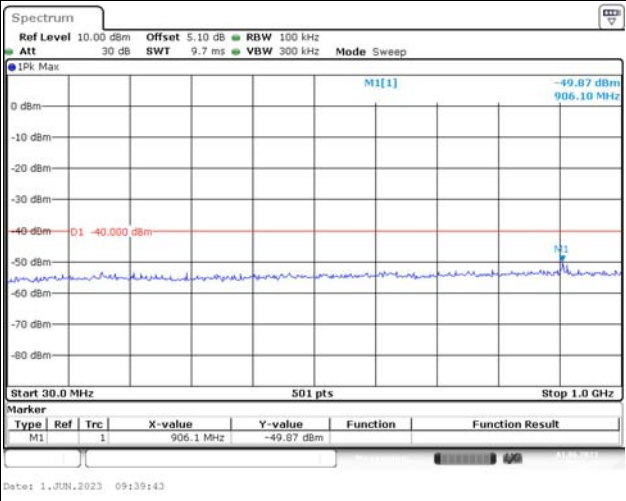


Spurious Emissions at Antenna Terminal

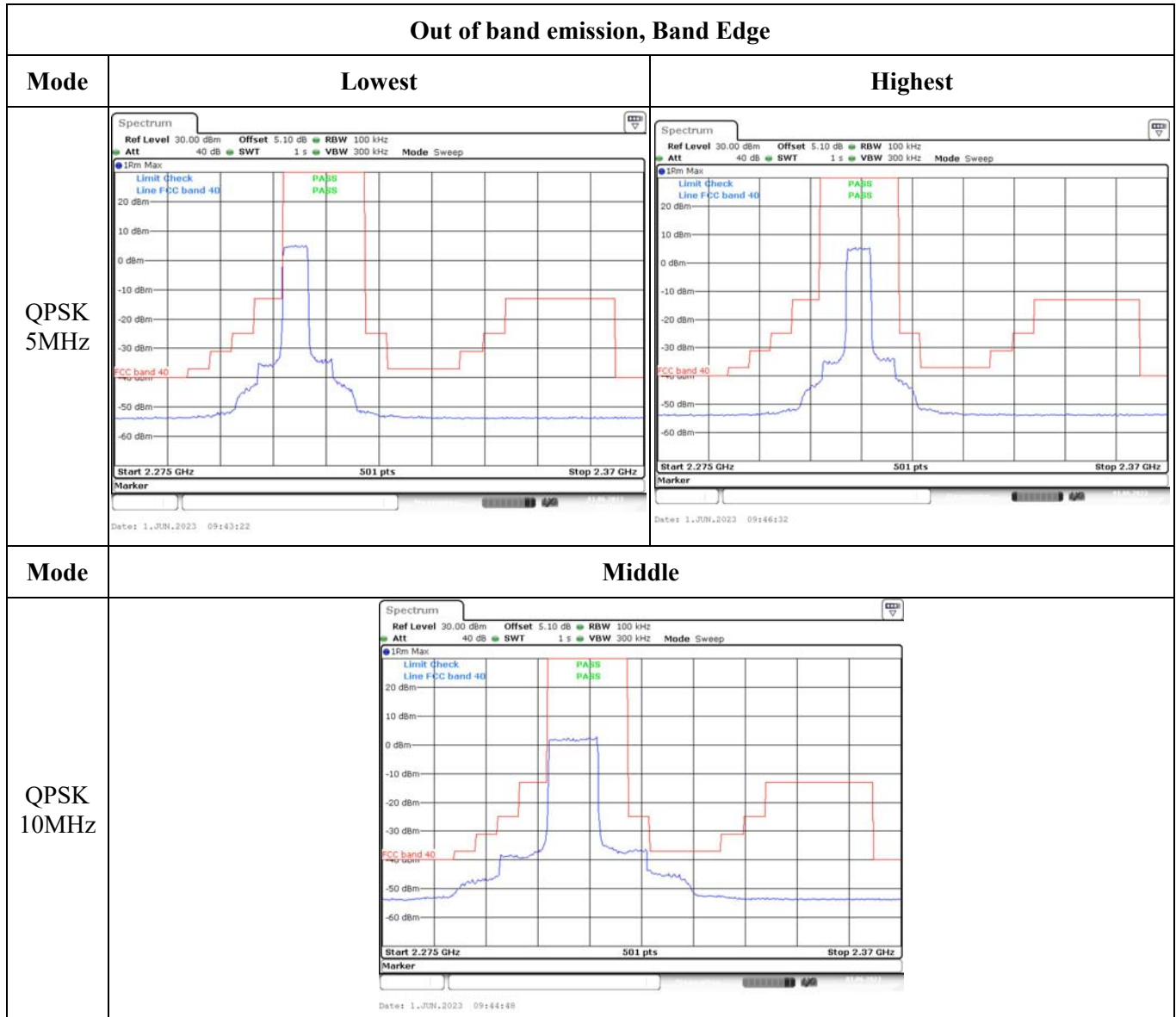
Channel

10MHz Bandwidth QPSK

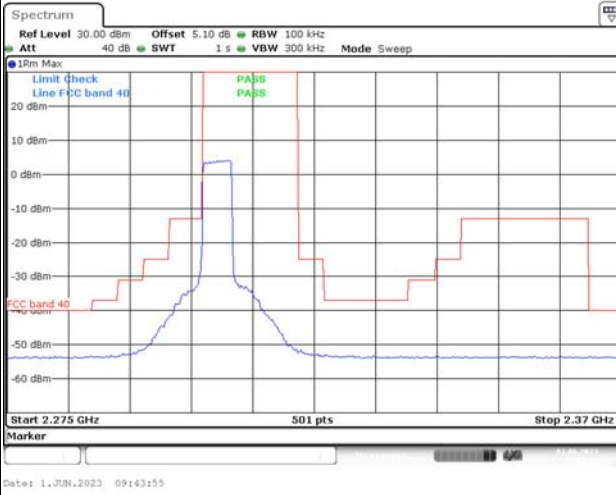
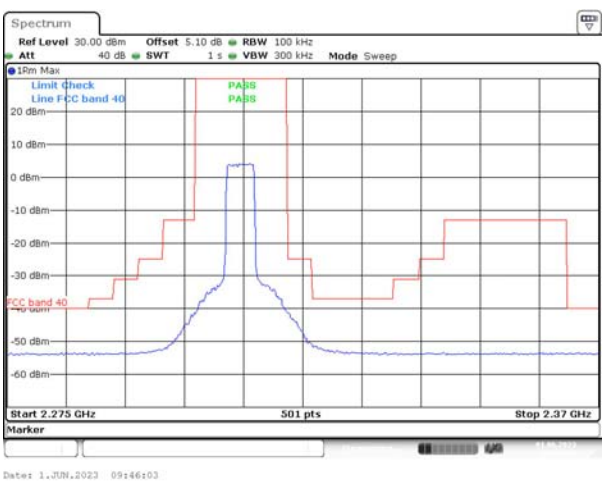
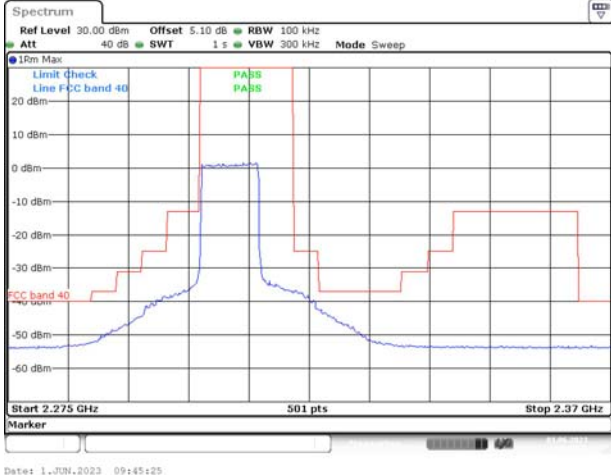
Middle



Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz		
16QAM 10MHz		

LTE Band 40 Upper:

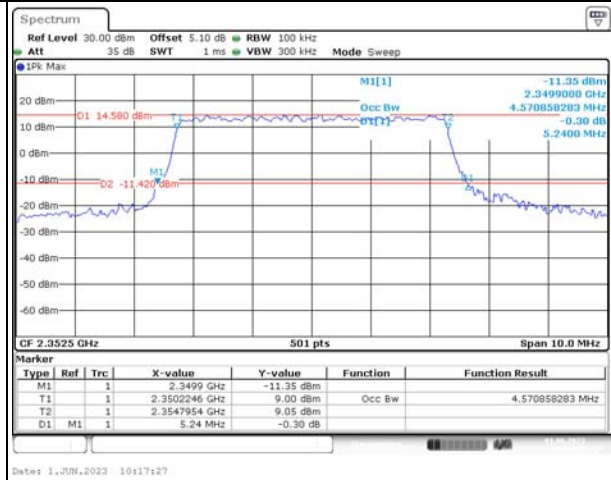
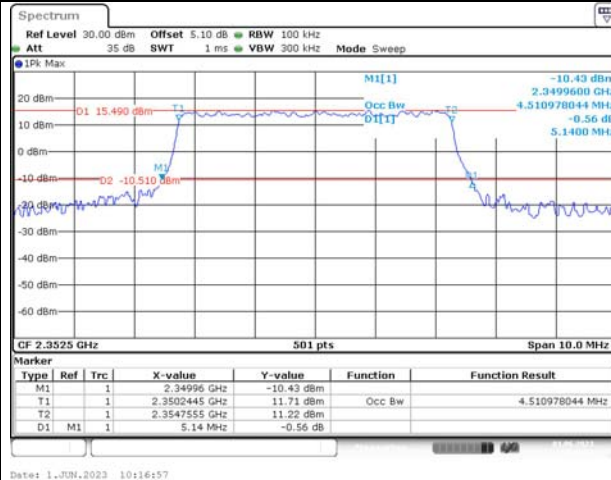
Occupied Bandwidth

Channel

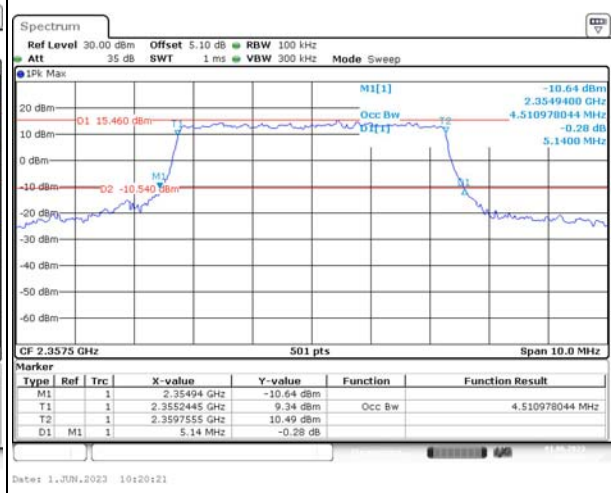
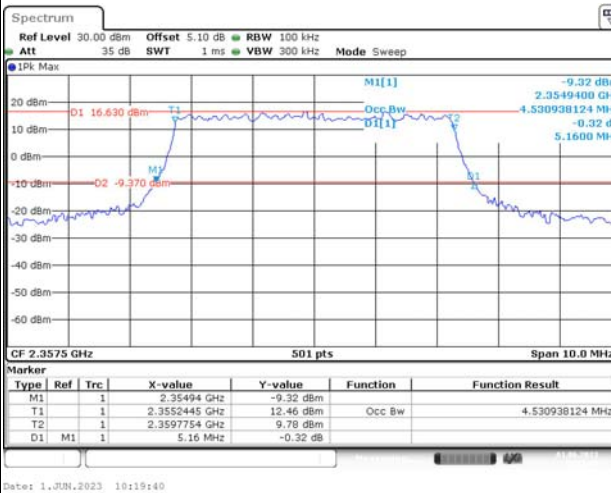
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

Lowest



Highest



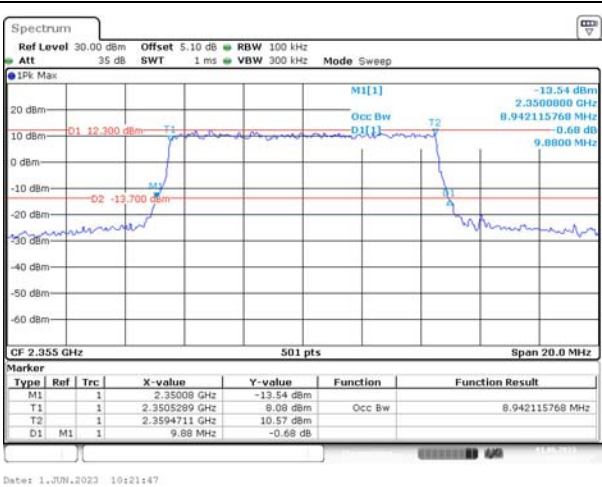
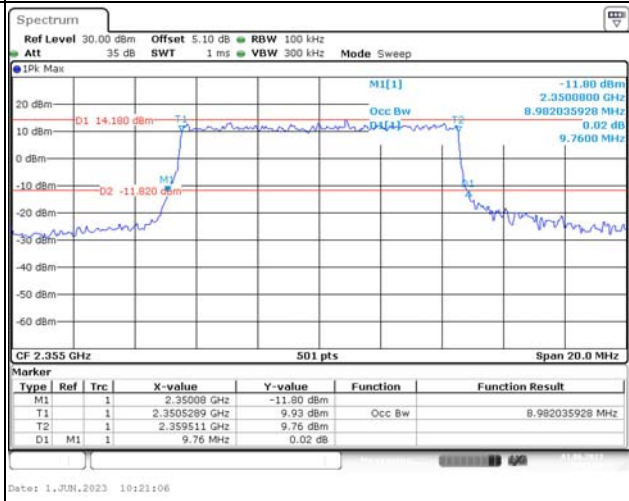
Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

Middle



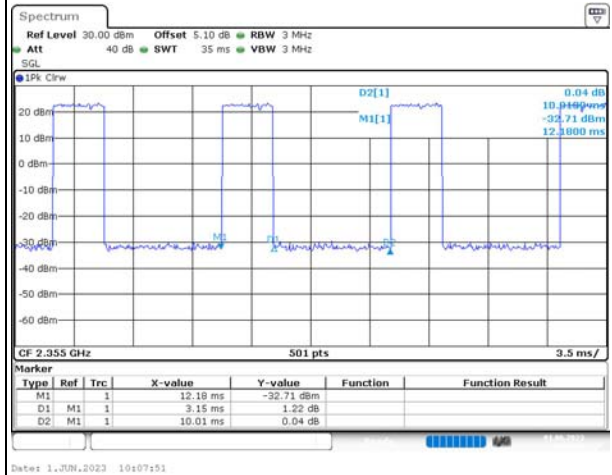
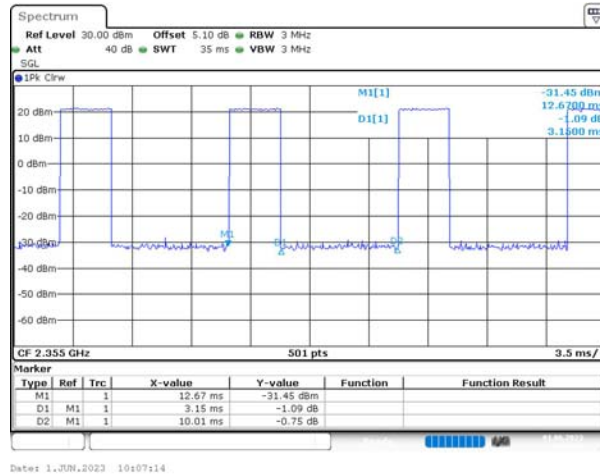
Duty Cycle

Channel

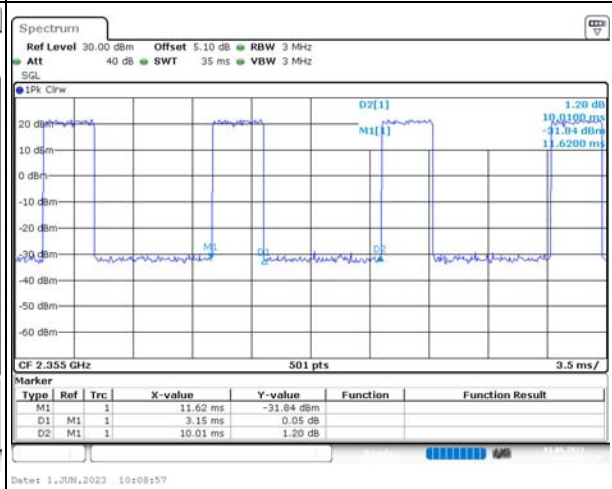
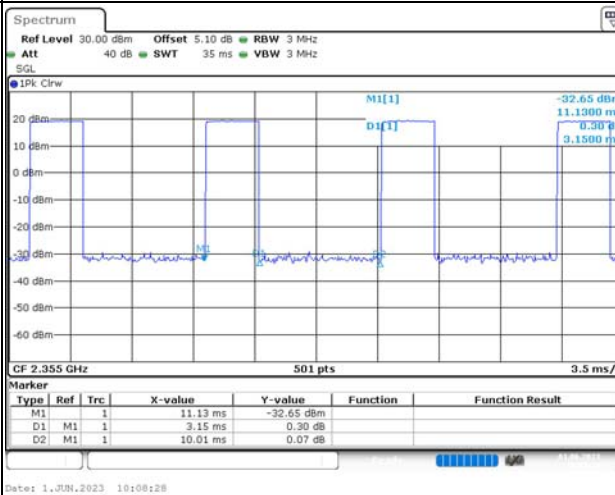
QPSK

16QAM

5MHz



10MHz

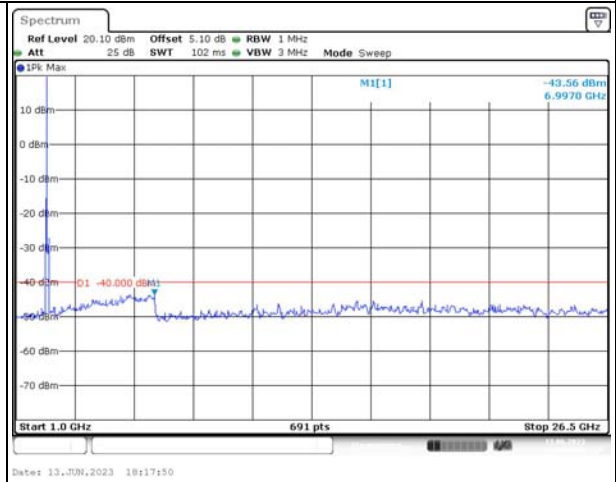
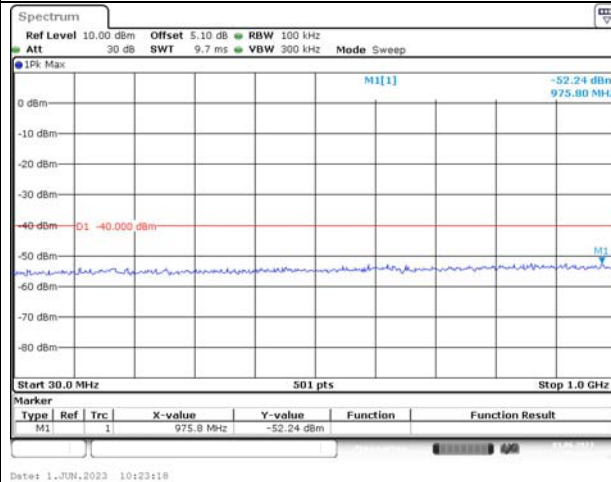


Spurious Emissions at Antenna Terminal

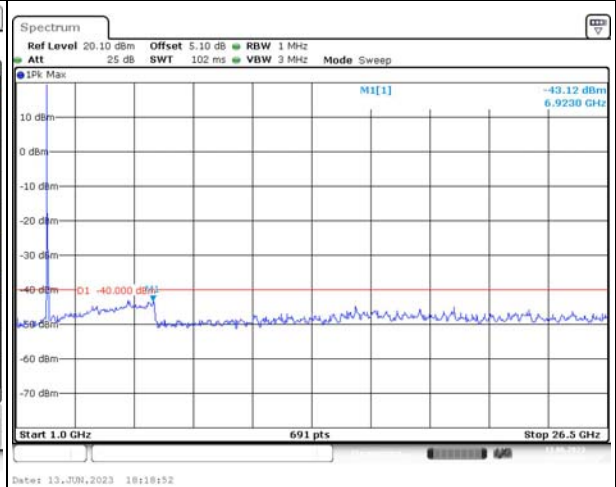
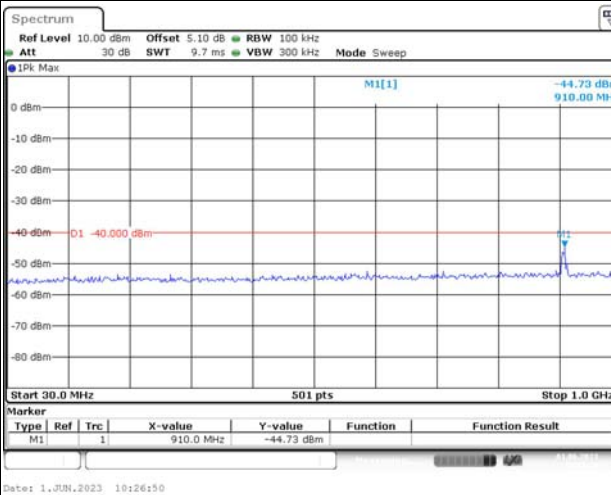
Channel

5MHz Bandwidth QPSK

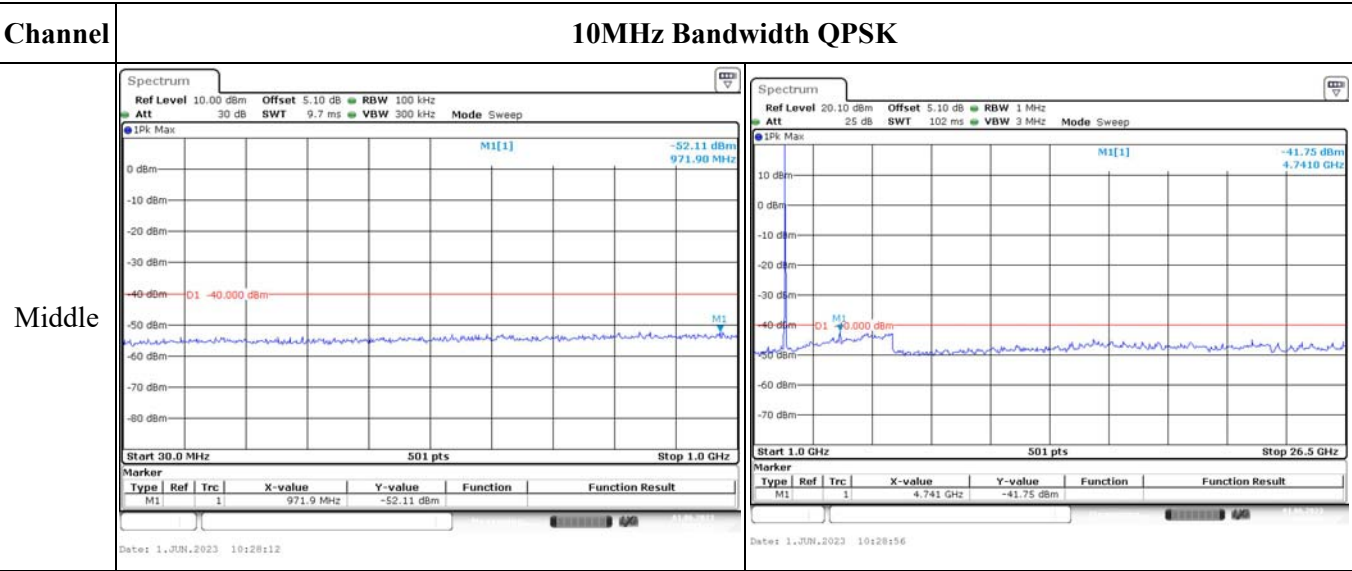
Lowest



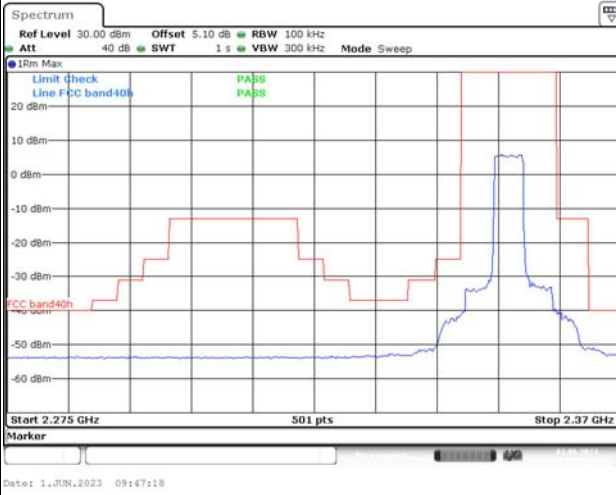
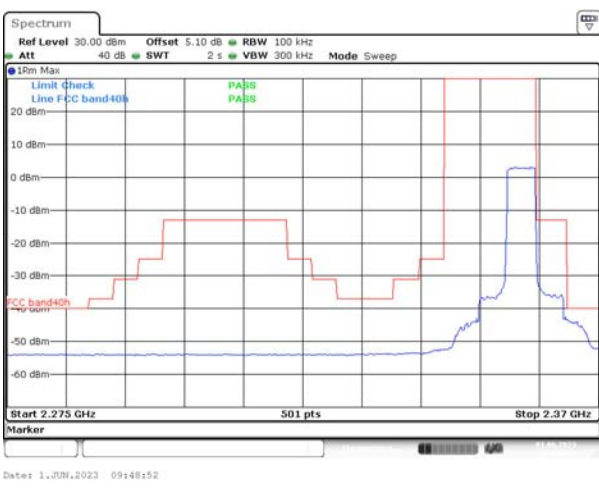
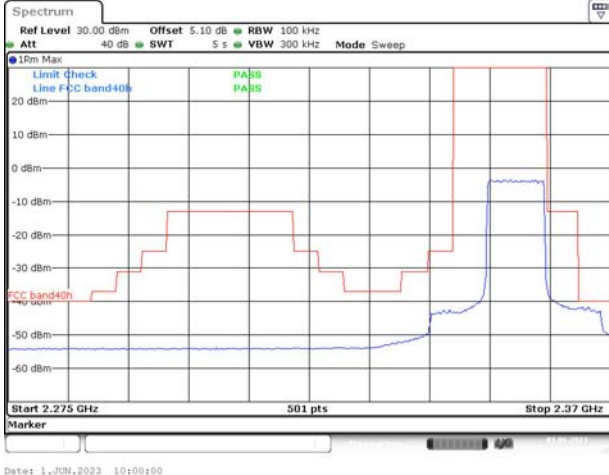
Highest



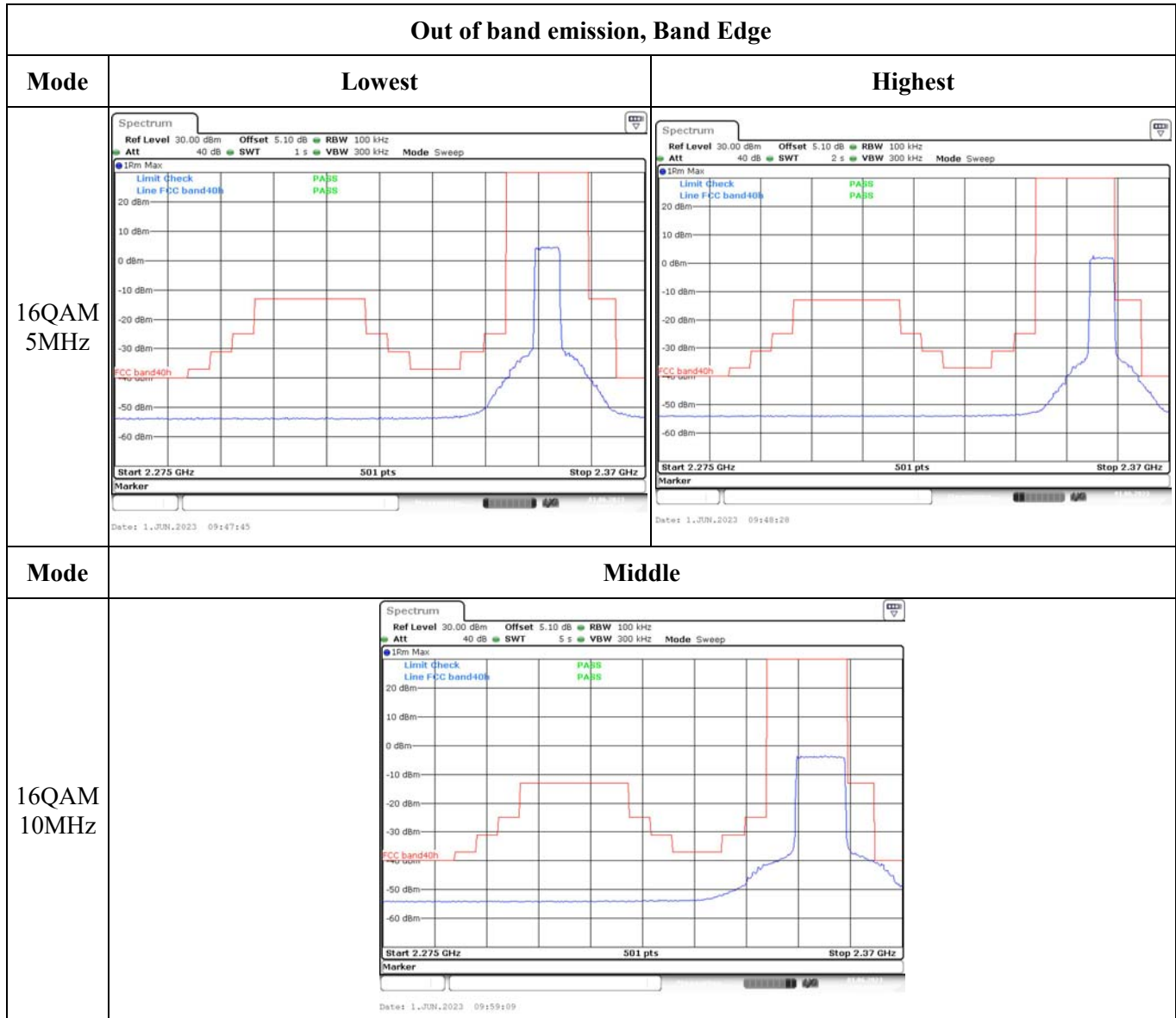
Spurious Emissions at Antenna Terminal



Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz		
QPSK 10MHz		

Out of band emission, Band Edge



4.11 Radiated Spurious Emissions

Serial Number:	25UK-5	Test Date:	2023/05/23~2023/05/26
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Mack Huang, Vic Du	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7~27.2	Relative Humidity: (%)	62~63	ATM Pressure: (kPa)	100.2~100.5
----------------------	-----------	---------------------------	-------	---------------------------	-------------

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
Agilent	Signal Generator	E8247C	MY43321352	2022/11/18	2023/11/17
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022/07/17	2023/07/16
Agilent	Signal Generator	E8247C	MY43321352	2022/11/18	2023/11/17
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 (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2 MHz								
597.42	H	21.29	-52.62	0.00	0.51	-53.13	-13.00	40.13
692.11	V	20.21	-49.85	0.00	0.54	-50.39	-13.00	37.39
1648.400	H	50.98	-53.35	8.68	0.80	-45.47	-13.00	32.47
1648.400	V	55.79	-48.62	8.68	0.80	-40.74	-13.00	27.74
2472.600	H	46.28	-54.50	9.38	1.00	-46.12	-13.00	33.12
2472.600	V	60.23	-40.50	9.38	1.00	-32.12	-13.00	19.12
3296.800	H	47.93	-48.75	10.32	1.15	-39.58	-13.00	26.58
3296.800	V	42.24	-54.20	10.32	1.15	-45.03	-13.00	32.03
GSM 850 Frequency:836.6 MHz								
665.95	H	20.01	-53.49	0.00	0.50	-53.99	-13.00	40.99
726.90	V	20.25	-49.08	0.00	0.52	-49.60	-13.00	36.60
1673.200	H	54.93	-49.38	8.71	0.85	-41.52	-13.00	28.52
1673.200	V	56.94	-47.47	8.71	0.85	-39.61	-13.00	26.61
2509.800	H	49.38	-51.23	9.42	1.01	-42.82	-13.00	29.82
2509.800	V	66.17	-34.45	9.42	1.01	-26.04	-13.00	13.04
3346.400	H	48.74	-48.43	10.34	1.16	-39.25	-13.00	26.25
3346.400	V	41.59	-55.44	10.34	1.16	-46.26	-13.00	33.26
GSM 850 Frequency:848.8 MHz								
711.78	H	20.26	-52.82	0.00	0.51	-53.33	-13.00	40.33
893.96	V	22.59	-43.64	0.00	0.66	-44.30	-13.00	31.30
1697.600	H	57.44	-46.85	8.74	0.90	-39.01	-13.00	26.01
1697.600	V	59.33	-45.09	8.74	0.90	-37.25	-13.00	24.25
2546.400	H	48.80	-51.53	9.47	1.01	-43.07	-13.00	30.07
2546.400	V	68.55	-31.73	9.47	1.01	-23.27	-13.00	10.27
3395.200	H	42.95	-54.74	10.36	1.19	-45.57	-13.00	32.57
3395.200	V	39.45	-58.21	10.36	1.19	-49.04	-13.00	36.04

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								
709.18	H	21.15	-51.98	0.00	0.52	-52.50	-13.00	39.50
982.62	V	20.44	-44.07	0.00	0.64	-44.71	-13.00	31.71
1652.800	V	41.96	-62.45	8.68	0.81	-54.58	-13.00	41.58
2479.200	H	43.10	-57.66	9.39	1.01	-49.28	-13.00	36.28
2479.200	V	43.35	-57.38	9.39	1.01	-49.00	-13.00	36.00
3305.600	H	34.02	-62.71	10.32	1.15	-53.54	-13.00	40.54
3305.600	V	34.11	-62.39	10.32	1.15	-53.22	-13.00	40.22
WCDMA Band 5 Frequency:836.6MHz								
699.31	H	20.76	-52.56	0.00	0.55	-53.11	-13.00	40.11
711.67	V	20.58	-49.09	0.00	0.51	-49.60	-13.00	36.60
1673.200	V	43.90	-60.51	8.71	0.85	-52.65	-13.00	39.65
2509.800	H	40.10	-60.51	9.42	1.01	-52.10	-13.00	39.10
2509.800	V	42.06	-58.56	9.42	1.01	-50.15	-13.00	37.15
3346.400	H	34.12	-63.05	10.34	1.16	-53.87	-13.00	40.87
3346.400	V	34.75	-62.28	10.34	1.16	-53.10	-13.00	40.10
WCDMA Band 5 Frequency:846.6MHz								
729.52	H	21.22	-51.50	0.00	0.53	-52.03	-13.00	39.03
965.54	V	20.28	-44.57	0.00	0.60	-45.17	-13.00	32.17
1693.200	V	41.19	-63.23	8.73	0.89	-55.39	-13.00	42.39
2539.800	H	40.61	-59.77	9.46	1.01	-51.32	-13.00	38.32
2539.800	V	44.52	-55.82	9.46	1.01	-47.37	-13.00	34.37
3386.400	H	34.27	-63.32	10.35	1.18	-54.15	-13.00	41.15
3386.400	V	33.87	-63.67	10.35	1.18	-54.50	-13.00	41.50

PCS Band (PART 24E)**30 MHz-20 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								
588.91	H	28.88	-76.16	0.00	0.48	-76.64	-13.00	63.64
675.21	V	28.36	-73.52	0.00	0.50	-74.02	-13.00	61.02
3700.400	H	35.12	-62.20	10.60	1.25	-52.85	-13.00	39.85
3700.400	V	34.36	-62.94	10.60	1.25	-53.59	-13.00	40.59
5550.600	H	34.08	-59.18	11.44	1.49	-49.23	-13.00	36.23
5550.600	V	35.10	-58.00	11.44	1.49	-48.05	-13.00	35.05
GSM 1900 Frequency:1880MHz								
726.81	H	30.65	-73.35	0.00	0.52	-73.87	-13.00	60.87
609.92	V	29.27	-74.20	0.00	0.47	-74.67	-13.00	61.67
3760.000	H	34.78	-61.63	10.66	1.24	-52.21	-13.00	39.21
3760.000	V	34.06	-62.23	10.66	1.24	-52.81	-13.00	39.81
5640.000	H	33.55	-59.90	11.33	1.54	-50.11	-13.00	37.11
5640.000	V	34.01	-59.32	11.33	1.54	-49.53	-13.00	36.53
GSM 1900 Frequency:1909.8MHz								
93.11	H	29.00	-83.82	0.00	0.18	-84.00	-13.00	71.00
66.27	V	34.19	-69.69	-6.98	0.15	-76.82	-13.00	63.82
3819.600	H	37.57	-58.29	10.72	1.29	-48.86	-13.00	35.86
3819.600	V	35.54	-60.18	10.72	1.29	-50.75	-13.00	37.75
5729.400	H	34.12	-59.36	11.22	1.59	-49.73	-13.00	36.73
5729.400	V	34.27	-59.09	11.22	1.59	-49.46	-13.00	36.46

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								
599.32	H	28.95	-75.87	0.00	0.51	-76.38	-13.00	63.38
66.27	V	35.07	-68.81	-6.98	0.15	-75.94	-13.00	62.94
3704.800	H	38.76	-58.50	10.60	1.25	-49.15	-13.00	36.15
3704.800	V	38.47	-58.76	10.60	1.25	-49.41	-13.00	36.41
5557.200	H	33.89	-59.39	11.43	1.49	-49.45	-13.00	36.45
5557.200	V	34.11	-59.02	11.43	1.49	-49.08	-13.00	36.08
WCDMA Band II, Frequency:1880 MHz								
456.21	H	28.45	-79.44	0.00	0.42	-79.86	-13.00	66.86
66.27	V	34.49	-69.39	-6.98	0.15	-76.52	-13.00	63.52
3760.000	H	39.89	-56.52	10.66	1.24	-47.10	-13.00	34.10
3760.000	V	39.53	-56.76	10.66	1.24	-47.34	-13.00	34.34
5640.000	H	35.95	-57.50	11.33	1.54	-47.71	-13.00	34.71
5640.000	V	34.23	-59.10	11.33	1.54	-49.31	-13.00	36.31
WCDMA Band II, Frequency:1907.6MHz								
742.26	H	28.43	-75.22	0.00	0.55	-75.77	-13.00	62.77
80.91	V	33.87	-74.78	0.00	0.16	-74.94	-13.00	61.94
3815.200	H	41.07	-54.78	10.72	1.29	-45.35	-13.00	32.35
3815.200	V	36.74	-58.95	10.72	1.29	-49.52	-13.00	36.52
5722.800	H	35.11	-58.38	11.23	1.58	-48.73	-13.00	35.73
5722.800	V	34.71	-58.64	11.23	1.58	-48.99	-13.00	35.99

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,Frequency:1850.7 MHz								
556.77	H	29.13	-76.57	0.00	0.48	-77.05	-13.00	64.05
66.50	V	33.25	-70.55	-6.86	0.15	-77.56	-13.00	64.56
3701.400	H	39.23	-58.08	10.60	1.25	-48.73	-13.00	35.73
3701.400	V	35.44	-61.85	10.60	1.25	-52.50	-13.00	39.50
5552.100	H	40.46	-52.81	11.44	1.49	-42.86	-13.00	29.86
5552.100	V	39.89	-53.21	11.44	1.49	-43.26	-13.00	30.26
QPSK,Frequency:1880 MHz								
872.18	H	29.41	-70.73	0.00	0.59	-71.32	-13.00	58.32
66.73	V	34.91	-68.81	-6.73	0.15	-75.69	-13.00	62.69
3760.000	H	40.24	-56.17	10.66	1.24	-46.75	-13.00	33.75
3760.000	V	37.73	-58.56	10.66	1.24	-49.14	-13.00	36.14
5640.000	H	43.19	-50.26	11.33	1.54	-40.47	-13.00	27.47
5640.000	V	37.45	-55.88	11.33	1.54	-46.09	-13.00	33.09
QPSK,Frequency:1909.3 MHz								
94.10	H	28.62	-84.14	0.00	0.18	-84.32	-13.00	71.32
66.27	V	34.34	-69.54	-6.98	0.15	-76.67	-13.00	63.67
3818.600	H	38.79	-57.07	10.72	1.29	-47.64	-13.00	34.64
3818.600	V	37.23	-58.48	10.72	1.29	-49.05	-13.00	36.05
5727.900	H	47.88	-45.60	11.23	1.59	-35.96	-13.00	22.96
5727.900	V	43.68	-49.68	11.23	1.59	-40.04	-13.00	27.04

LTE Band 4 (30MHz-20GHz):

EYE Band 1 (50MHz - 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,Frequency:1710.7 MHz								
537.88	H	29.45	-76.63	0.00	0.46	-77.09	-13.00	64.09
66.27	V	34.68	-69.20	-6.98	0.15	-76.33	-13.00	63.33
3421.400	H	39.59	-58.17	10.37	1.17	-48.97	-13.00	35.97
3421.400	V	38.12	-59.61	10.37	1.17	-50.41	-13.00	37.41
5132.100	H	34.47	-59.10	11.28	1.47	-49.29	-13.00	36.29
5132.100	V	34.58	-58.88	11.28	1.47	-49.07	-13.00	36.07
QPSK,Frequency:1732.5 MHz								
75.98	H	28.73	-78.64	-2.01	0.16	-80.81	-13.00	67.81
66.73	V	33.84	-69.88	-6.73	0.15	-76.76	-13.00	63.76
3465.000	H	40.88	-56.93	10.39	1.15	-47.69	-13.00	34.69
3465.000	V	40.79	-56.98	10.39	1.15	-47.74	-13.00	34.74
5197.500	H	35.02	-59.11	11.32	1.44	-49.23	-13.00	36.23
5197.500	V	34.56	-59.42	11.32	1.44	-49.54	-13.00	36.54
QPSK,Frequency:1754.3MHz								
70.58	H	28.87	-75.26	-4.71	0.15	-80.12	-13.00	67.12
66.27	V	33.66	-70.22	-6.98	0.15	-77.35	-13.00	64.35
3508.600	H	40.86	-56.96	10.41	1.19	-47.74	-13.00	34.74
3508.600	V	40.27	-57.49	10.41	1.19	-48.27	-13.00	35.27
5262.900	H	35.01	-58.69	11.36	1.47	-48.80	-13.00	35.80
5262.900	V	34.14	-59.33	11.36	1.47	-49.44	-13.00	36.44

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, Frequency: 824.7 MHz								
872.18	H	23.23	-46.24	0.00	0.59	-46.83	-13.00	33.83
724.42	V	21.22	-48.17	0.00	0.51	-48.68	-13.00	35.68
1649.400	H	40.75	-63.58	8.68	0.80	-55.70	-13.00	42.70
1649.400	V	44.27	-60.14	8.68	0.80	-52.26	-13.00	39.26
2474.100	H	35.01	-65.77	9.38	1.00	-57.39	-13.00	44.39
2474.100	V	35.78	-64.95	9.38	1.00	-56.57	-13.00	43.57
3298.800	H	34.26	-62.42	10.32	1.15	-53.25	-13.00	40.25
3298.800	V	34.02	-62.42	10.32	1.15	-53.25	-13.00	40.25
QPSK, Frequency: 836.5 MHz								
511.84	H	21.27	-54.33	0.00	0.45	-54.78	-13.00	41.78
437.48	V	20.34	-53.72	0.00	0.41	-54.13	-13.00	41.13
1673.000	H	47.85	-56.46	8.71	0.85	-48.60	-13.00	35.60
1673.000	V	50.49	-53.92	8.71	0.85	-46.06	-13.00	33.06
2509.500	H	39.20	-61.41	9.42	1.01	-53.00	-13.00	40.00
2509.500	V	38.44	-62.18	9.42	1.01	-53.77	-13.00	40.77
3346.000	H	34.57	-62.59	10.34	1.16	-53.41	-13.00	40.41
3346.000	V	33.89	-63.13	10.34	1.16	-53.95	-13.00	40.95
QPSK, Frequency: 848.3 MHz								
724.42	H	21.18	-51.65	0.00	0.51	-52.16	-13.00	39.16
893.86	V	24.70	-41.53	0.00	0.66	-42.19	-13.00	29.19
1696.600	H	46.23	-58.06	8.74	0.89	-50.21	-13.00	37.21
1696.600	V	48.61	-55.81	8.74	0.89	-47.96	-13.00	34.96
2544.900	H	37.59	-62.75	9.47	1.01	-54.29	-13.00	41.29
2544.900	V	39.39	-60.91	9.47	1.01	-52.45	-13.00	39.45
3393.200	H	34.41	-63.26	10.36	1.19	-54.09	-13.00	41.09
3393.200	V	34.13	-63.50	10.36	1.19	-54.33	-13.00	41.33

LTE Band 7 (30MHz-26.5GHz):

EYE Band 7 (50MHz to 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, Frequency: 2502.5 MHz								
54.26	H	28.38	-73.77	-12.94	0.13	-86.84	-25.00	61.84
81.21	V	34.03	-74.64	0.00	0.16	-74.80	-25.00	49.80
5005.000	H	43.40	-49.56	11.20	1.47	-39.83	-25.00	14.83
5005.000	V	41.36	-51.46	11.20	1.47	-41.73	-25.00	16.73
7507.500	H	40.13	-49.66	10.90	1.95	-40.71	-25.00	15.71
7507.500	V	38.45	-51.84	10.90	1.95	-42.89	-25.00	17.89
QPSK, Frequency:2535 MHz								
37.15	H	28.58	-51.81	-25.03	0.12	-76.96	-25.00	51.96
82.94	V	34.65	-74.15	0.00	0.17	-74.32	-25.00	49.32
5070.000	H	43.79	-49.40	11.24	1.47	-39.63	-25.00	14.63
5070.000	V	42.13	-50.96	11.24	1.47	-41.19	-25.00	16.19
7605.000	H	39.12	-50.35	10.88	2.01	-41.48	-25.00	16.48
7605.000	V	35.14	-55.05	10.88	2.01	-46.18	-25.00	21.18
QPSK, Frequency: 2567.5 MHz								
56.00	H	28.68	-74.00	-12.14	0.14	-86.28	-25.00	61.28
65.80	V	34.68	-69.36	-7.22	0.15	-76.73	-25.00	51.73
5135.000	H	44.03	-49.57	11.28	1.47	-39.76	-25.00	14.76
5135.000	V	42.91	-50.58	11.28	1.47	-40.77	-25.00	15.77
7702.500	H	38.25	-51.27	10.86	1.97	-42.38	-25.00	17.38
7702.500	V	36.14	-54.04	10.86	1.97	-45.15	-25.00	20.15

LTE Band 40 (30MHz-26.5GHz):**LTE Band 40 Lower:**

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, Frequency: 2307.5MHz								
872.18	H	30.06	-70.08	0.00	0.59	-70.67	-40.00	30.67
66.51	V	32.59	-71.21	-6.85	0.15	-78.21	-40.00	38.21
4615.000	H	37.45	-57.91	10.74	1.41	-48.58	-40.00	8.58
4615.000	V	42.68	-52.54	10.74	1.41	-43.21	-40.00	3.21
6922.500	H	35.11	-55.91	11.22	1.88	-46.57	-40.00	6.57
6922.500	V	34.47	-56.42	11.22	1.88	-47.08	-40.00	7.08
QPSK, Frequency:2312.5 MHz								
608.53	H	29.42	-75.37	0.00	0.48	-75.85	-40.00	35.85
66.75	V	33.17	-70.55	-6.72	0.15	-77.42	-40.00	37.42
4625.000	H	36.77	-58.52	10.75	1.41	-49.18	-40.00	9.18
4625.000	V	42.69	-52.48	10.75	1.41	-43.14	-40.00	3.14
6937.500	H	35.12	-55.86	11.21	1.90	-46.55	-40.00	6.55
6937.500	V	34.07	-56.77	11.21	1.90	-47.46	-40.00	7.46

LTE Band 40 Upper:

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, Frequency: 2352.5MHz								
44.12	H	29.57	-61.32	-20.96	0.12	-82.40	-40.00	42.40
61.99	V	32.31	-73.02	-9.25	0.14	-82.41	-40.00	42.41
4705.000	H	38.57	-56.21	10.85	1.41	-46.77	-40.00	6.77
4705.000	V	44.13	-50.67	10.85	1.41	-41.23	-40.00	1.23
7057.500	H	37.13	-52.88	11.17	1.92	-43.63	-40.00	3.63
7057.500	V	34.53	-55.37	11.17	1.92	-46.12	-40.00	6.12
QPSK, Frequency:2357.5 MHz								
54.84	H	29.07	-73.26	-12.67	0.13	-86.06	-40.00	46.06
82.33	V	32.75	-76.00	0.00	0.16	-76.16	-40.00	36.16
4715.000	H	35.12	-59.59	10.86	1.41	-50.14	-40.00	10.14
4715.000	V	44.68	-50.03	10.86	1.41	-40.58	-40.00	0.58
7072.500	H	37.53	-52.27	11.16	1.91	-43.02	-40.00	3.02
7072.500	V	33.85	-55.86	11.16	1.91	-46.61	-40.00	6.61

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 =====