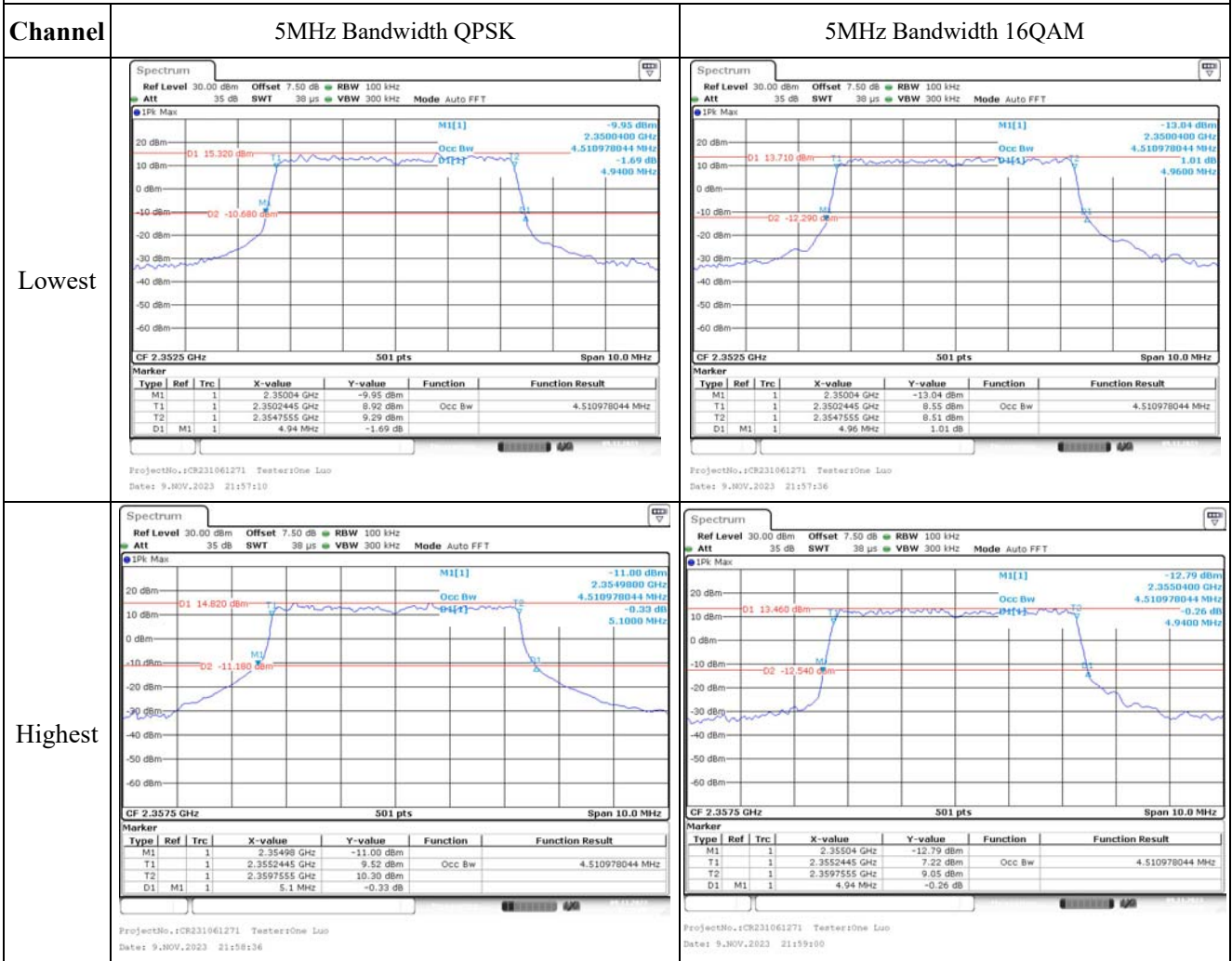
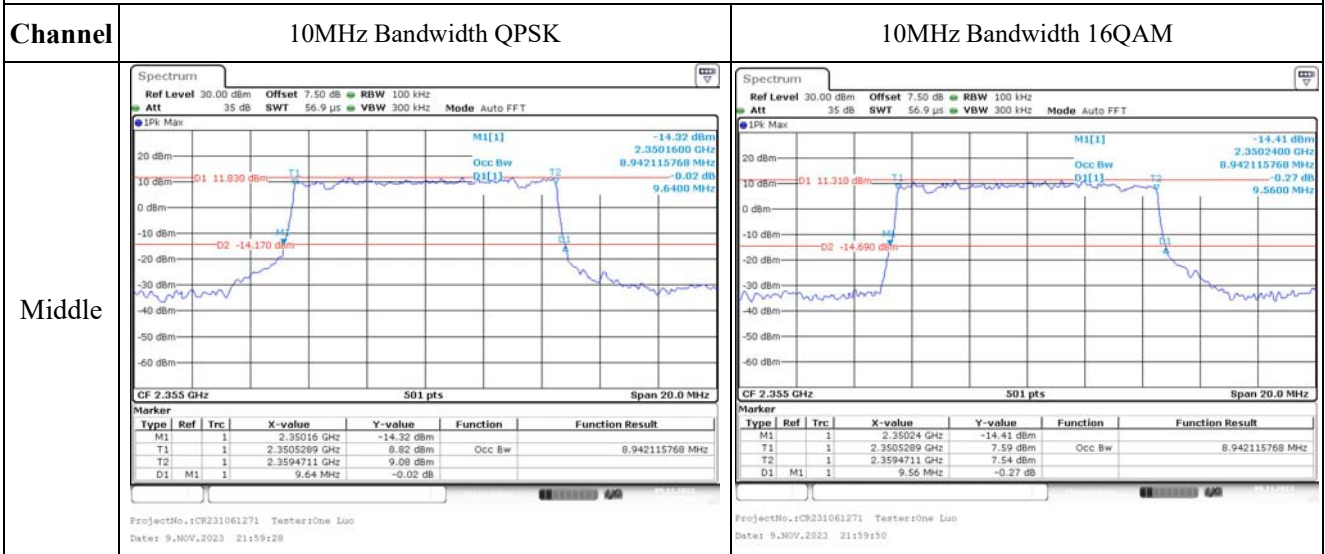


2) Band 40 Upper:

Occupied Bandwidth



Occupied Bandwidth

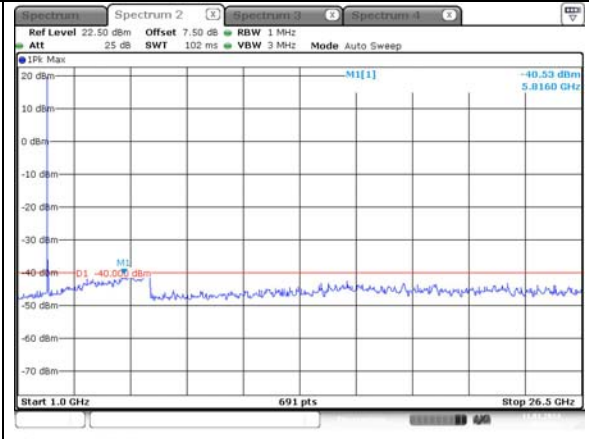
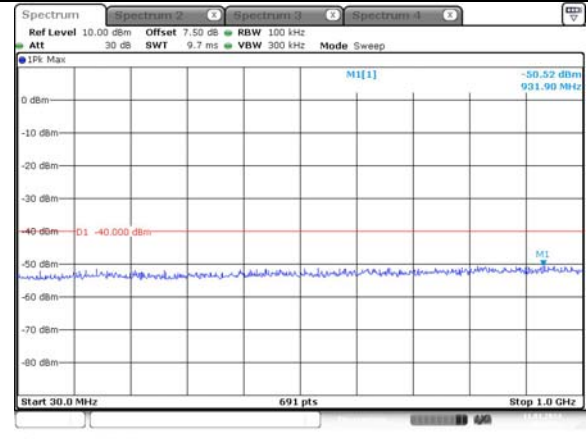


Spurious Emissions at Antenna Terminal

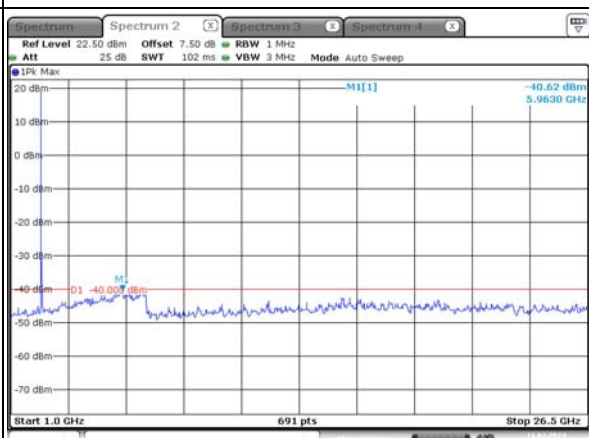
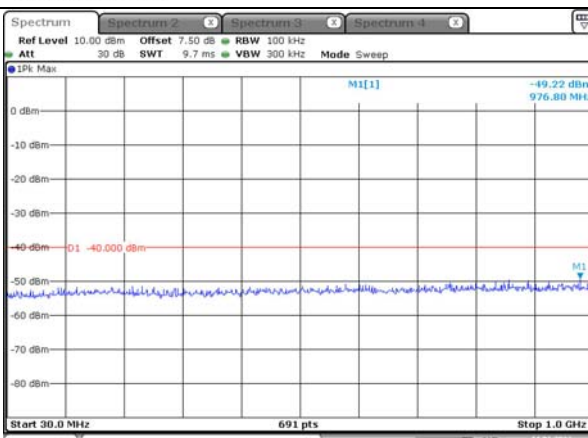
Channel

5MHz Bandwidth QPSK

Lowest



Highest

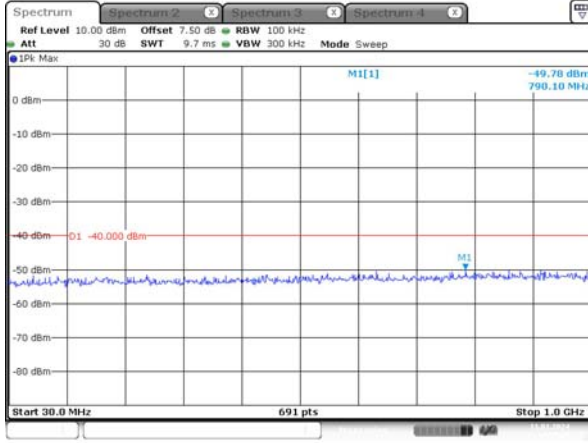


Spurious Emissions at Antenna Terminal

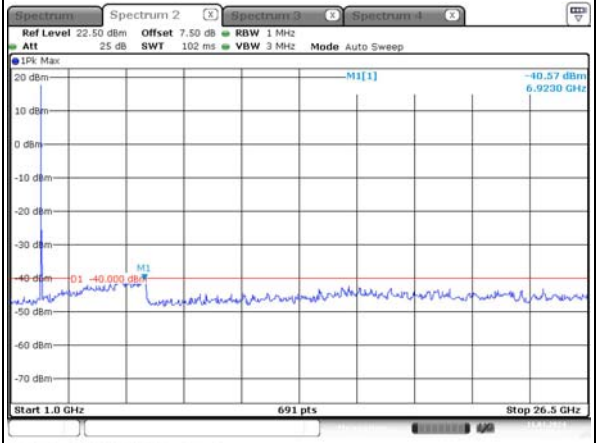
Channel

10MHz Bandwidth QPSK

Middle

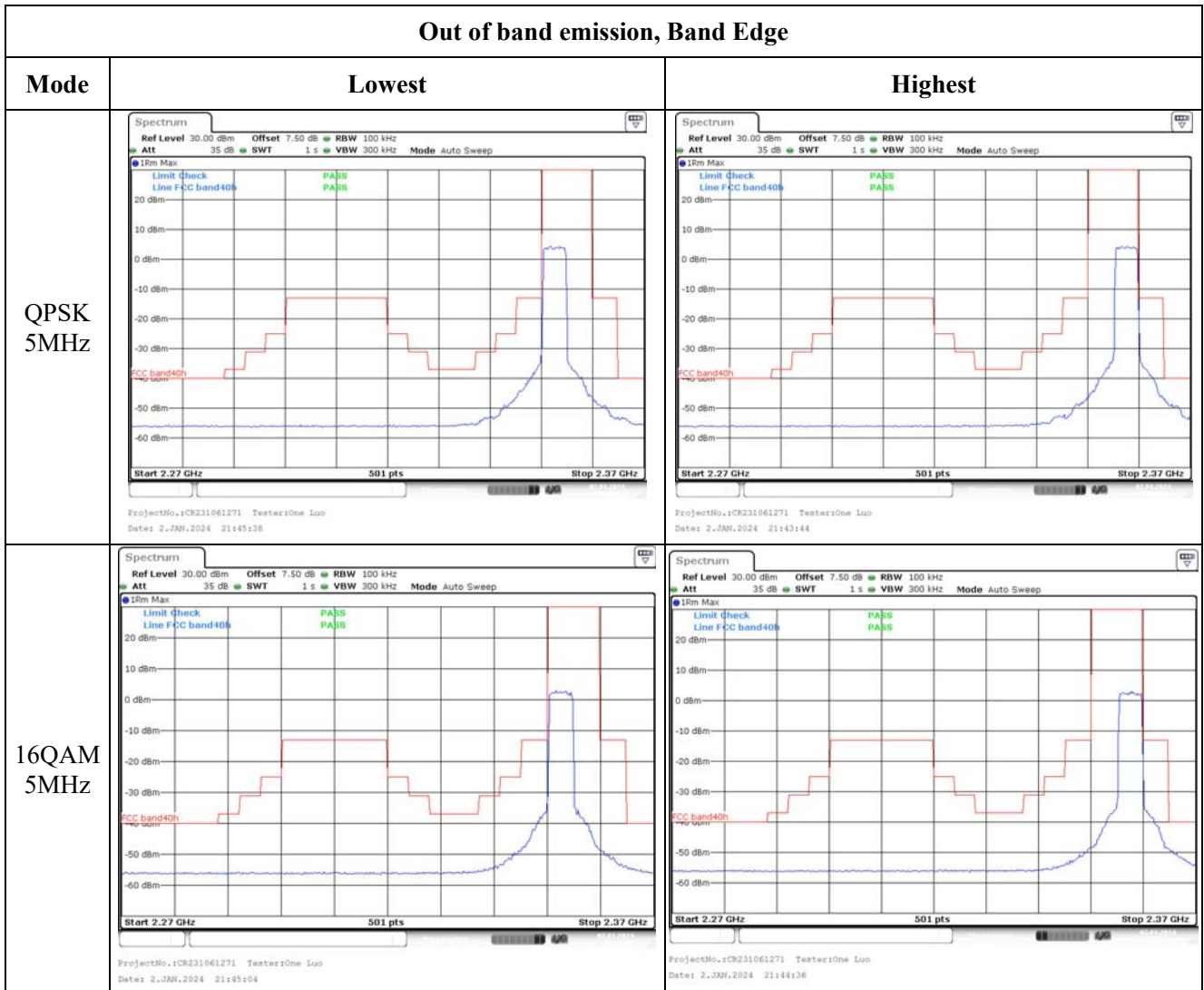


ProjectNo.:CR231061271 Tester:One Luo
Date: 11.JAN.2024 11:59:25

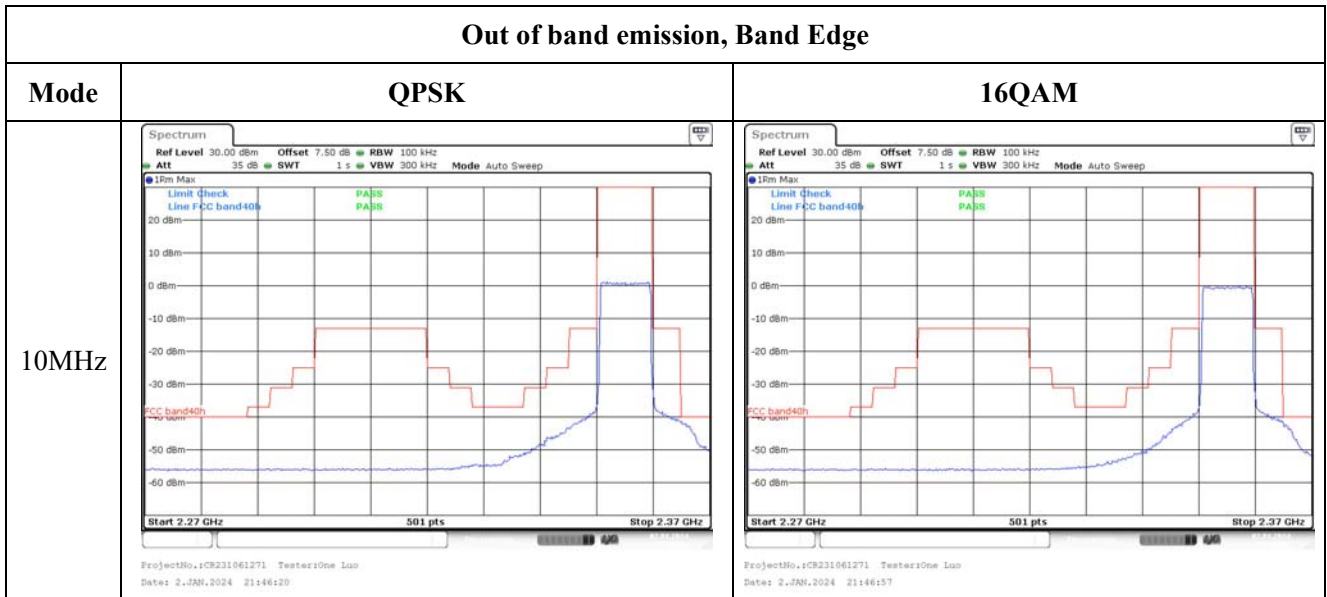


ProjectNo.:CR231061271 Tester:One Luo
Date: 11.JAN.2024 11:59:39

Out of band emission, Band Edge



Out of band emission, Band Edge



4.12 Antenna Port Test Data and Results for LTE Band 41

Serial Number:	2CGI-2	Test Date:	2023/11/7~2023/11/10
Test Site:	RF	Test Mode:	Transmitting
Tester:	One Luo	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.2~26.3	Relative Humidity: (%)	42~49	ATM Pressure: (kPa)	101~101.3
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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	2023/3/31	2024/3/30
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	143458	2023/3/31	2024/3/30
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2023/9/29	2024/9/28
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	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:**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	17.96	18.22	18.13	17.34	33
	RB1#13	17.77	17.75	18.14		
	RB1#24	17.77	18.02	17.8		
	RB15#0	17.66	17.91	17.89		
	RB15#10	17.49	17.45	17.65		
	RB25#0	17.34	17.64	17.48		
5MHz 16QAM	RB1#0	17.3	17.64	17.34	17.47	33
	RB1#13	17.19	17.32	17.4		
	RB1#24	17.03	17.55	17.46		
	RB15#0	17.82	18.25	17.99		
	RB15#10	17.78	18.16	18.35		
	RB25#0	17.66	17.86	18.18		
10MHz QPSK	RB1#0	17.6	17.87	18.14	17.26	33
	RB1#25	17.48	17.5	17.56		
	RB1#49	17.4	17.49	17.77		
	RB25#0	17.36	17.78	17.57		
	RB25#25	17.27	17.28	17.58		
	RB50#0	17.11	17.26	17.16		
10MHz 16QAM	RB1#0	17.77	18.04	17.99	17.3	33
	RB1#25	17.66	18.03	18.18		
	RB1#49	17.6	17.74	18.12		
	RB25#0	17.53	17.72	18.11		
	RB25#25	17.37	17.52	17.63		
	RB50#0	17.18	17.44	17.5		
15MHz QPSK	RB1#0	17.16	17.62	17.65	17.42	33
	RB1#38	17.12	17.62	17.17		
	RB1#74	16.93	16.95	17.45		
	RB36#0	17.87	18.3	18.12		
	RB36#39	17.76	18.08	17.81		
	RB75#0	17.66	18.1	18.26		
15MHz 16QAM	RB1#0	17.55	18.06	17.7	17.18	33
	RB1#38	17.5	17.76	17.74		
	RB1#74	17.32	17.58	17.63		
	RB36#0	17.14	17.67	17.62		
	RB36#39	16.99	17.18	17.17		
	RB75#0	16.93	16.97	16.94		
20MHz QPSK	RB1#0	17.83	17.87	18.18	17.4	33
	RB1#50	17.79	17.97	18.1		
	RB1#99	17.78	17.81	18.2		

	RB50#0	17.8	17.97	18.28		
	RB50#50	17.63	17.64	18.04		
	RB100#0	17.55	17.86	17.85		
20MHz 16QAM	RB1#0	17.44	17.81	17.45	16.93	33
	RB1#50	17.25	17.65	17.41		
	RB1#99	17.08	17.59	17.1		
	RB50#0	17.03	17.29	17.51		
	RB50#50	16.86	17.39	17.12		
	RB100#0	16.72	17.19	17.09		

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	10.49	10.23	10.03	13
	RB100#0	8.99	9.94	10.03	13
20MHz 16QAM	RB1#0	11.33	10.96	10.03	13
	RB100#0	10.46	10.43	8.96	13
Result:					Pass

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	4.511	4.91	4.511	4.96	5.08	4.94
5MHz 16QAM	4.511	4.511	4.511	5.04	4.94	4.94
10MHz QPSK	8.942	8.942	8.942	9.6	9.68	9.68
10MHz 16QAM	8.942	8.942	8.942	9.8	9.52	9.6
15MHz QPSK	13.473	13.413	13.473	14.58	14.58	14.52
15MHz 16QAM	13.413	13.533	13.473	14.58	14.7	14.64
20MHz QPSK	17.804	17.884	17.964	19.04	19.44	19.2
20MHz 16QAM	17.884	17.884	17.884	19.28	19.04	19.12

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

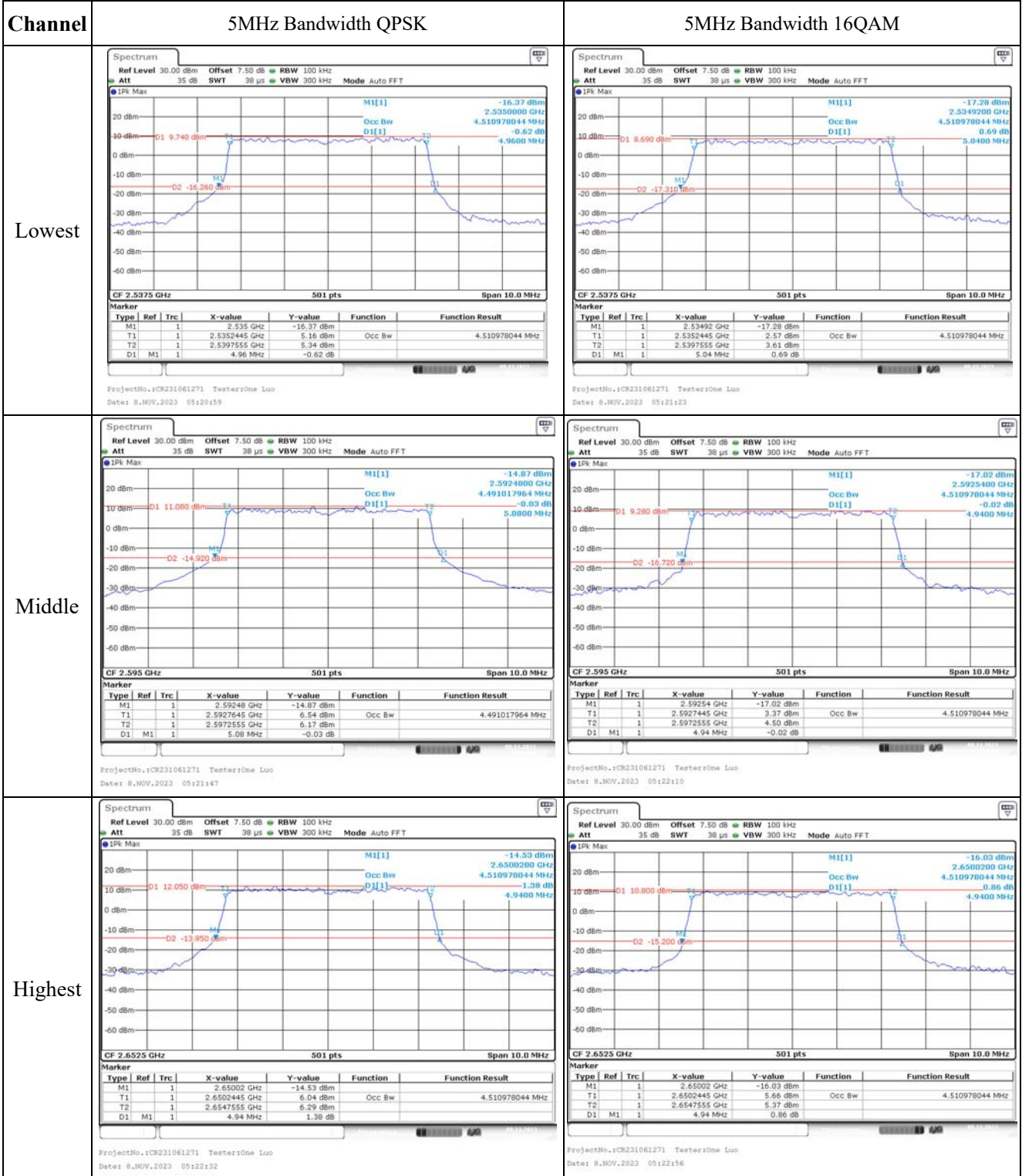
Spurious Emissions at Antenna Terminal**Result:****Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.****Out of band emission, Band Edge****Result:****Pass, Please refer to the test plots of Out of band emission, Band Edge.**

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	3.91	2536.139	2535.00	2653.926	2655
	-20	3.91	2536.158	2535.00	2653.952	2655
	-10	3.91	2536.195	2535.00	2653.910	2655
	0	3.91	2536.142	2535.00	2653.912	2655
	10	3.91	2536.117	2535.00	2653.924	2655
	20	3.91	2536.138	2535.00	2653.942	2655
	30	3.91	2536.152	2535.00	2653.980	2655
	40	3.91	2536.101	2535.00	2653.968	2655
	50	3.91	2536.181	2535.00	2653.958	2655
Frequency Stability vs. Voltage	20	3.45	2536.157	2535.00	2653.933	2655
	20	4.5	2536.146	2535.00	2653.945	2655
					Result:	Pass

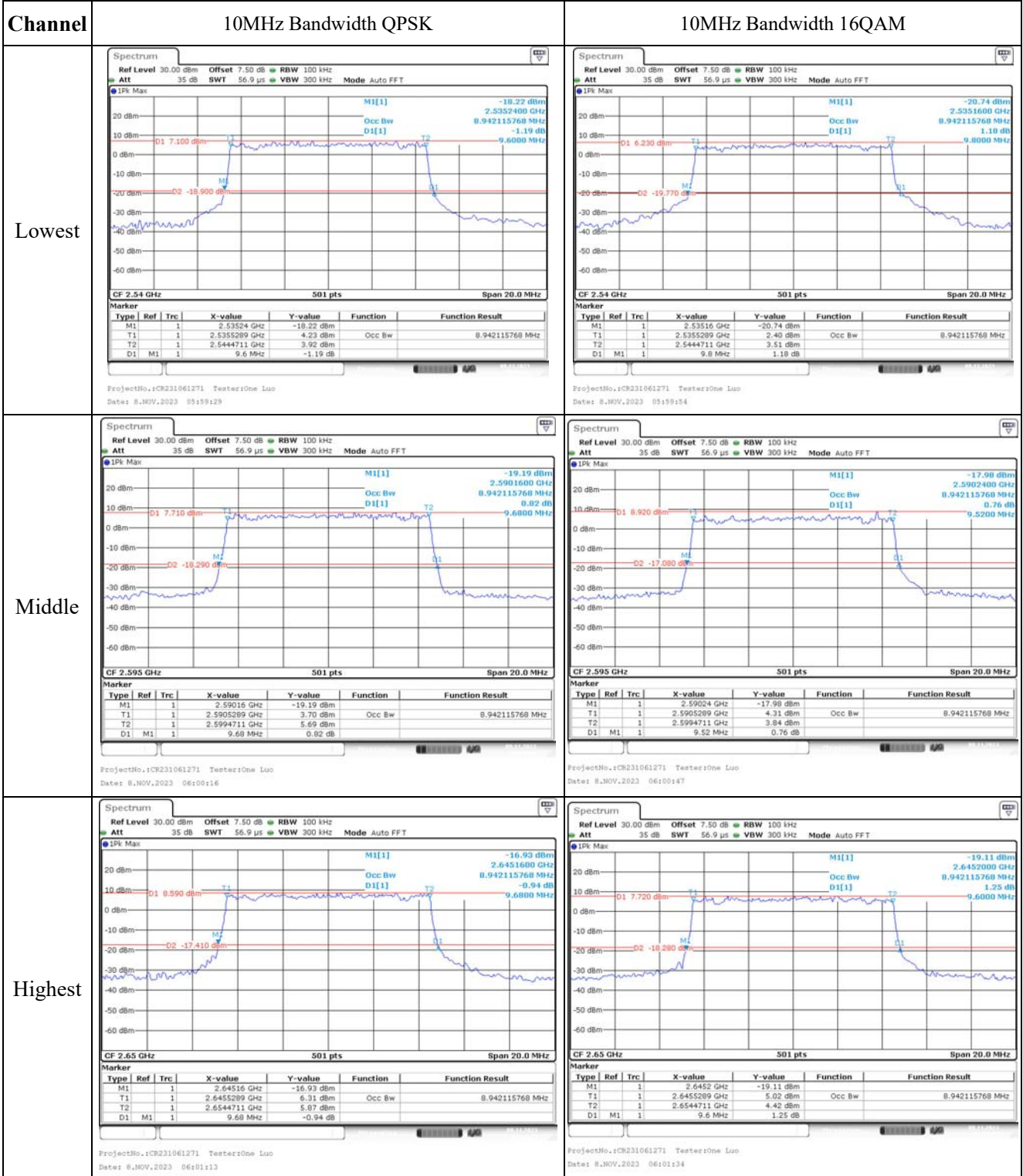
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	2536.068	2535.00	2653.987	2655
	-20	3.91	2536.043	2535.00	2653.909	2655
	-10	3.91	2536.073	2535.00	2653.905	2655
	0	3.91	2536.041	2535.00	2653.921	2655
	10	3.91	2536.040	2535.00	2653.963	2655
	20	3.91	2536.058	2535.00	2653.942	2655
	30	3.91	2536.043	2535.00	2653.952	2655
	40	3.91	2536.059	2535.00	2653.943	2655
	50	3.91	2536.060	2535.00	2653.921	2655
Frequency Stability vs. Voltage	20	3.45	2536.052	2535.00	2653.958	2655
	20	4.5	2536.046	2535.00	2653.996	2655
					Result:	Pass

Test Plots(Note: The 7.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



Occupied Bandwidth



Occupied Bandwidth

Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM																																																																						
Lowest	<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.53524 GHz</td> <td>-16.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5357924 GHz</td> <td>5.38 dBm</td> <td>Occ Bw</td> <td>13.473053892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.5492066 GHz</td> <td>5.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>14.58 MHz</td> <td>0.51 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.53524 GHz	-16.41 dBm			T1	1		2.5357924 GHz	5.38 dBm	Occ Bw	13.473053892 MHz	T2	1		2.5492066 GHz	5.26 dBm			D1	M1	1	14.58 MHz	0.51 dB			<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.53524 GHz</td> <td>-16.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5357924 GHz</td> <td>4.85 dBm</td> <td>Occ Bw</td> <td>13.413173653 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.5492066 GHz</td> <td>5.75 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>14.58 MHz</td> <td>-1.38 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.53524 GHz	-16.11 dBm			T1	1		2.5357924 GHz	4.85 dBm	Occ Bw	13.413173653 MHz	T2	1		2.5492066 GHz	5.75 dBm			D1	M1	1	14.58 MHz	-1.38 dB		
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Occupied Bandwidth

Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM																																																																						
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Spurious Emissions at Antenna Terminal

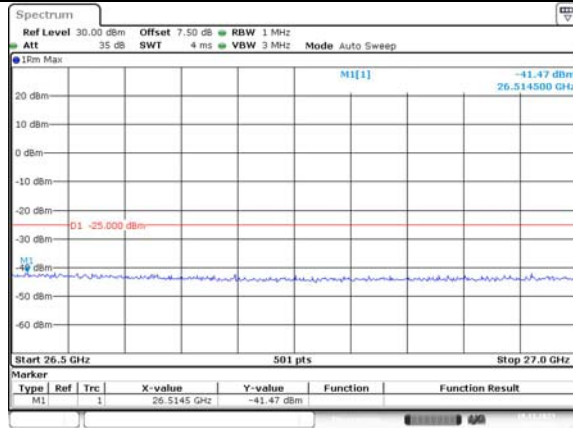
Channel	5MHz Bandwidth QPSK																																	
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Spurious Emissions at Antenna Terminal

Channel

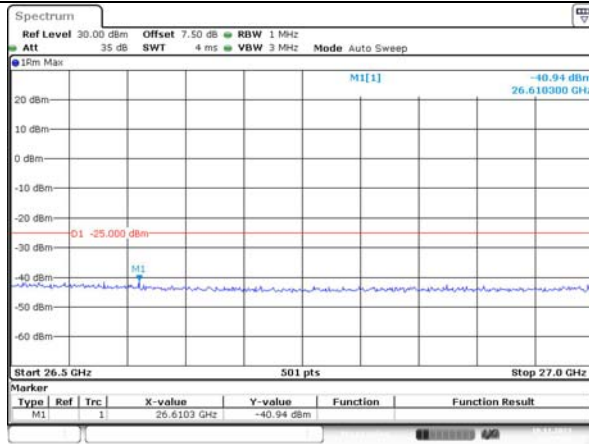
5MHz Bandwidth QPSK

Lowest



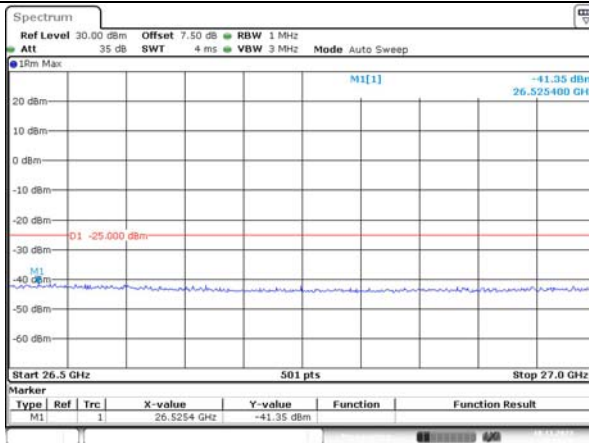
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Date: 10.NOV.2023 22:59:02

Middle



ProjectNo.:CR231061271 Tester:One Luo
Date: 10.NOV.2023 22:59:38

Highest



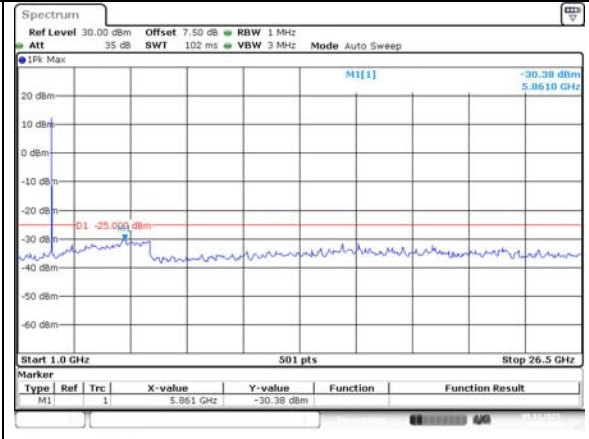
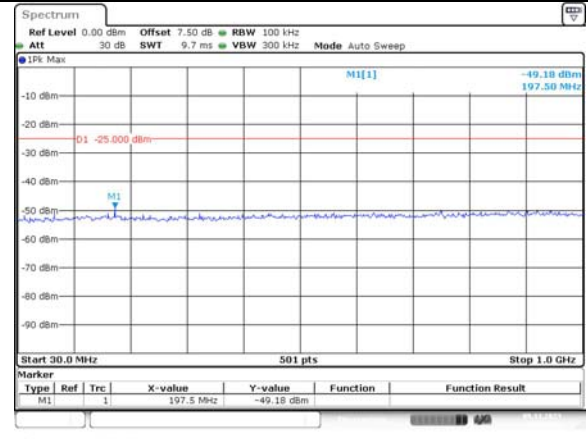
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Spurious Emissions at Antenna Terminal

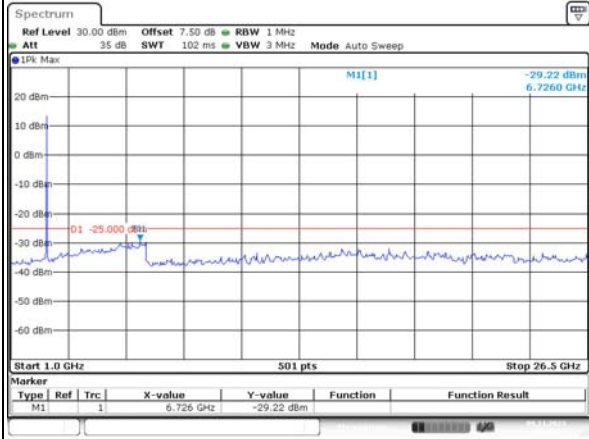
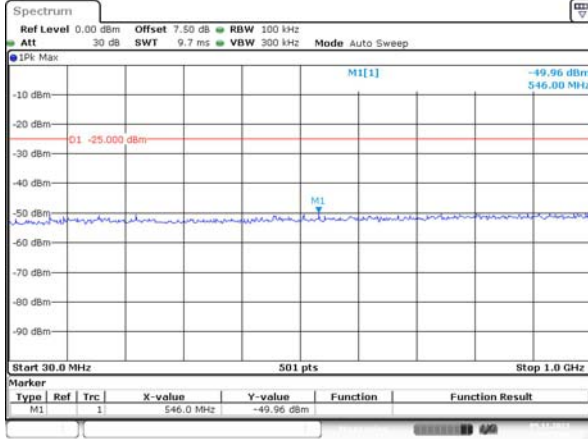
Channel

10MHz Bandwidth QPSK

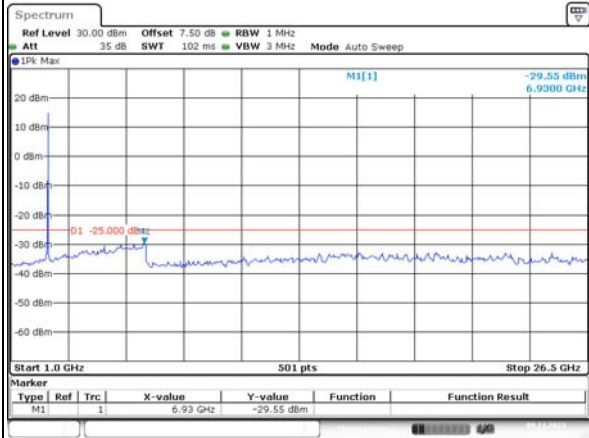
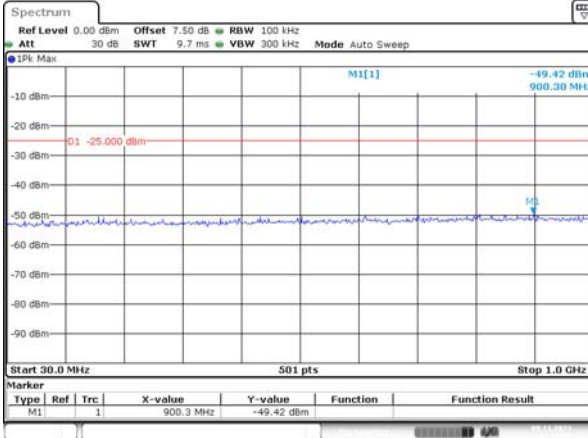
Lowest



Middle



Highest

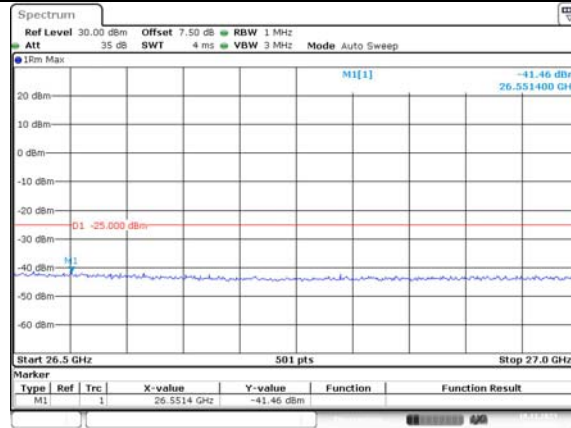


Spurious Emissions at Antenna Terminal

Channel

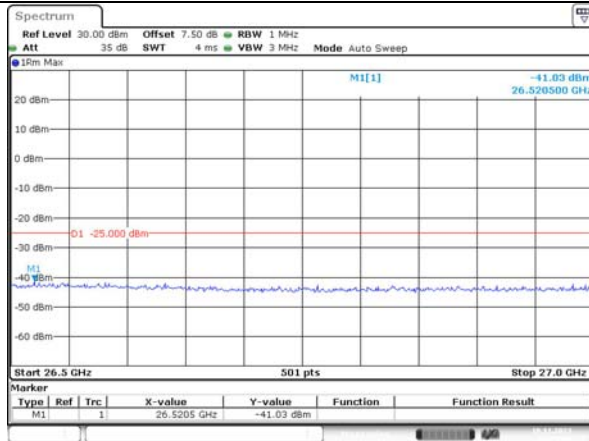
10MHz Bandwidth QPSK

Lowest



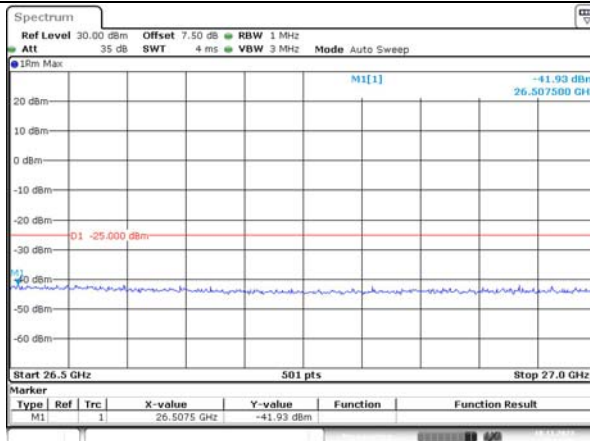
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Date: 10.NOV.2023 23:00:51

Middle



ProjectNo.:CR231061271 Tester:One Luo
Date: 10.NOV.2023 23:01:21

Highest



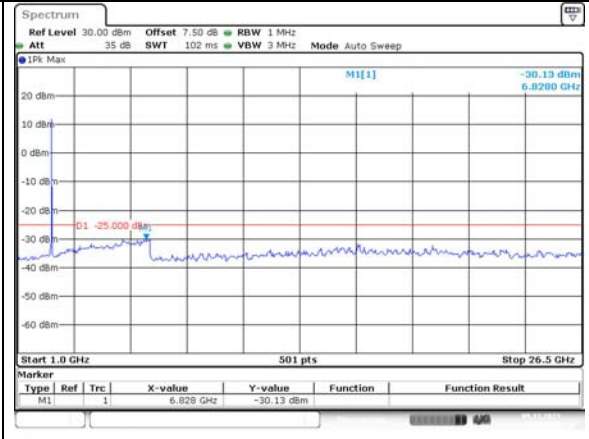
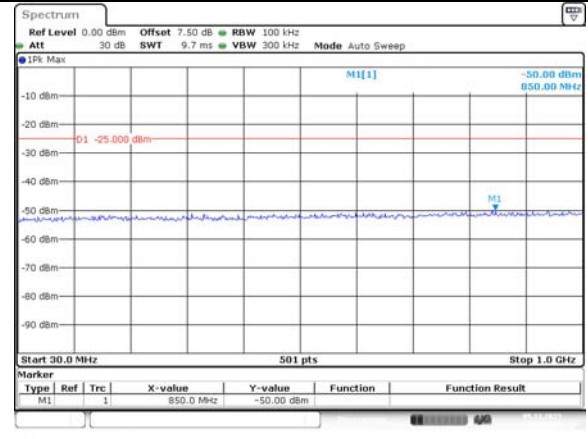
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Spurious Emissions at Antenna Terminal

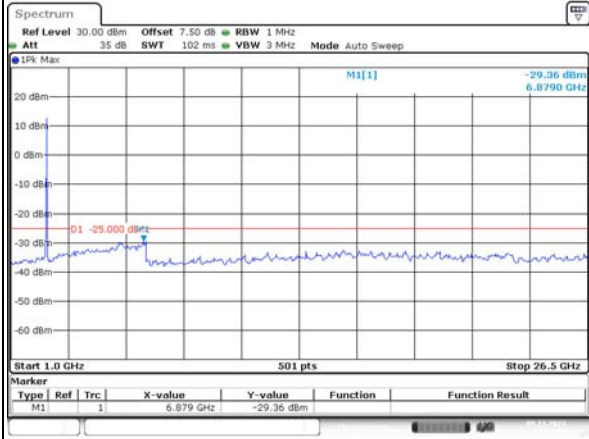
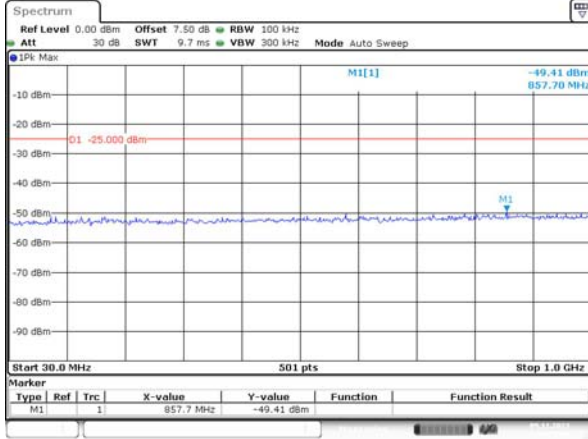
Channel

15MHz Bandwidth QPSK

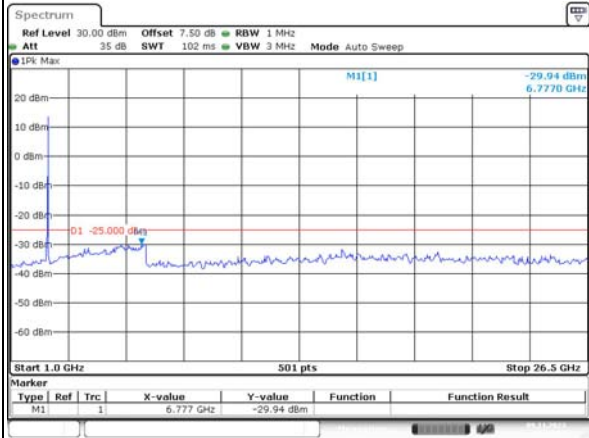
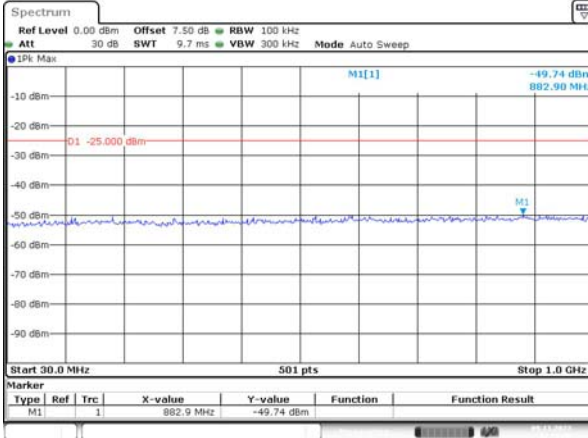
Lowest



Middle



Highest

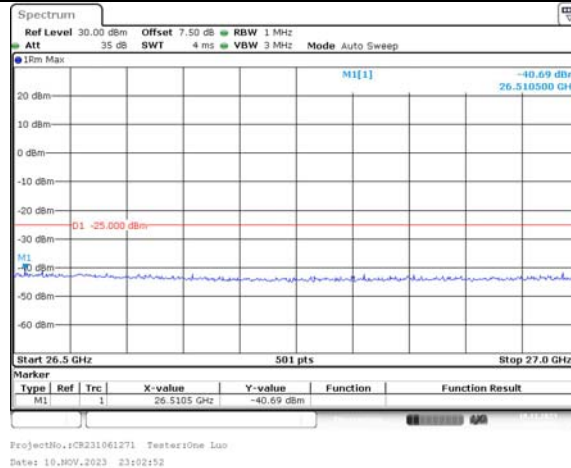


Spurious Emissions at Antenna Terminal

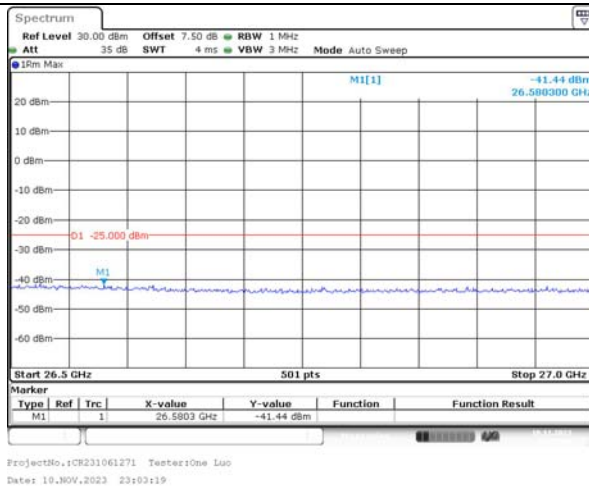
Channel

15MHz Bandwidth QPSK

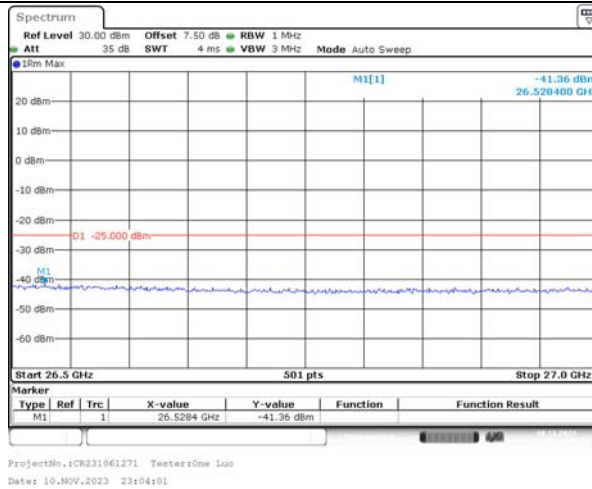
Lowest



Middle



Highest

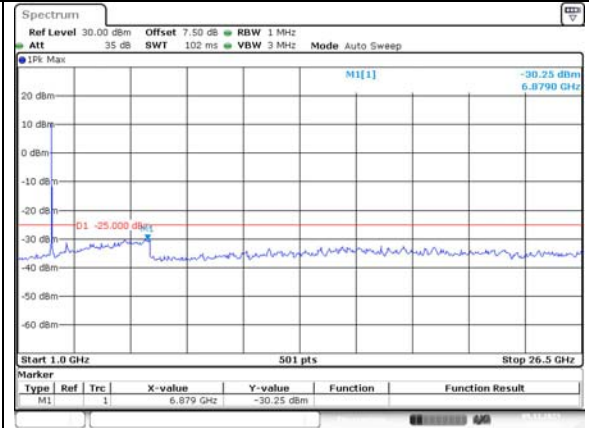
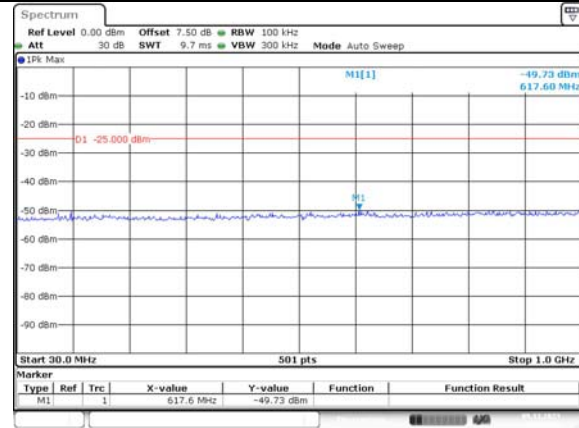


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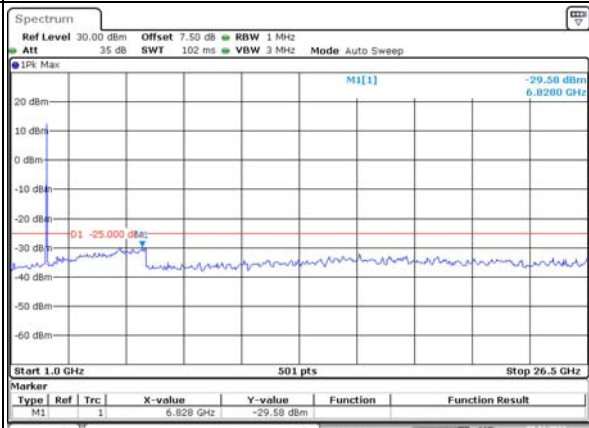
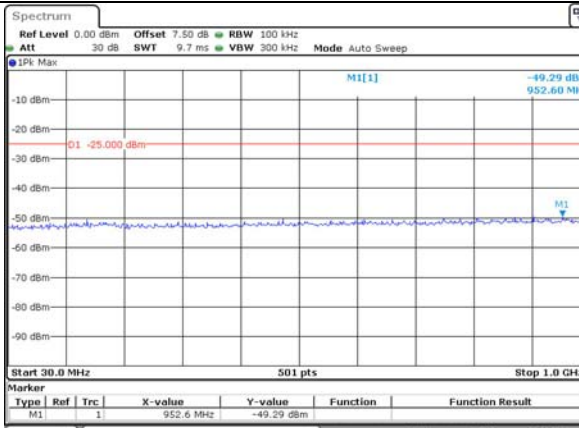
Channel

20MHz Bandwidth QPSK

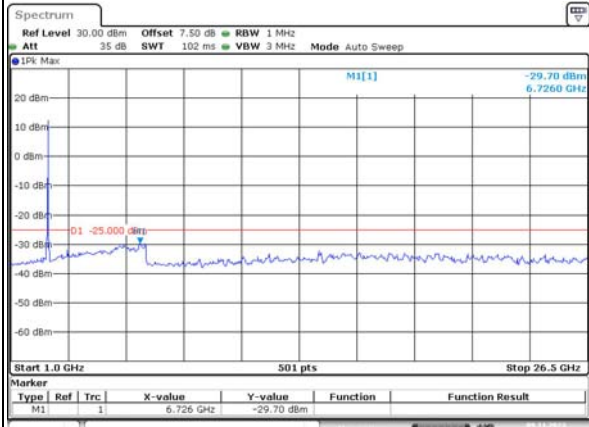
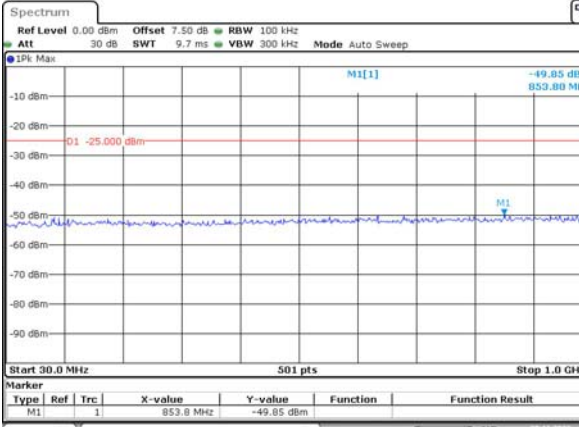
Lowest



Middle



Highest

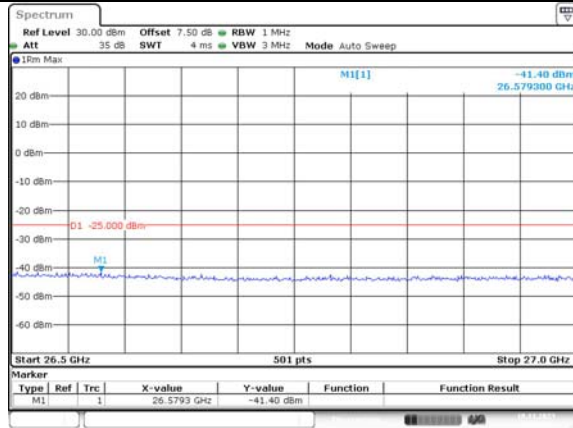


Spurious Emissions at Antenna Terminal

Channel

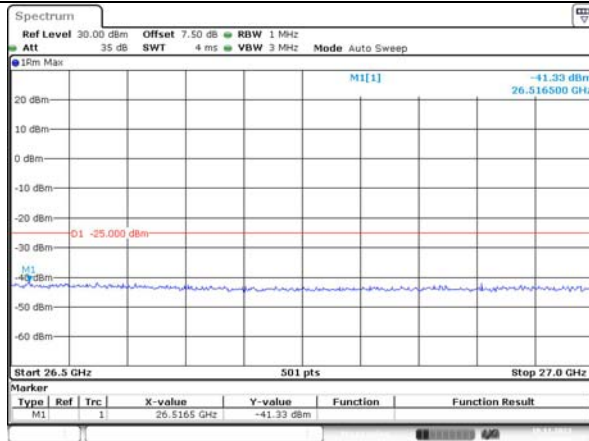
20MHz Bandwidth QPSK

Lowest



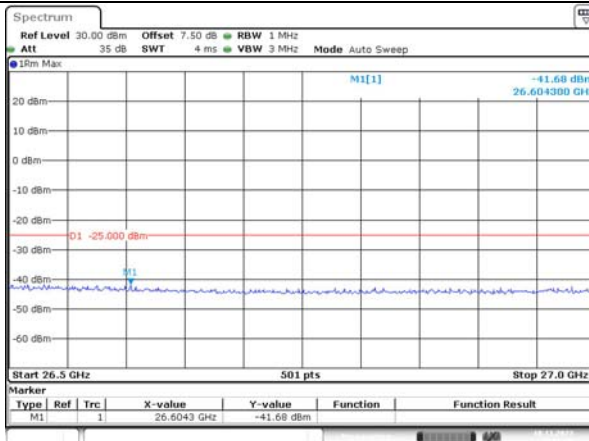
ProjectNo.:CR231061271 Tester:One Luo
Date: 10.NOV.2023 23:04:33

Middle



ProjectNo.:CR231061271 Tester:One Luo
Date: 10.NOV.2023 23:06:24

Highest



ProjectNo.:CR231061271 Tester:One Luo
Date: 10.NOV.2023 23:06:50

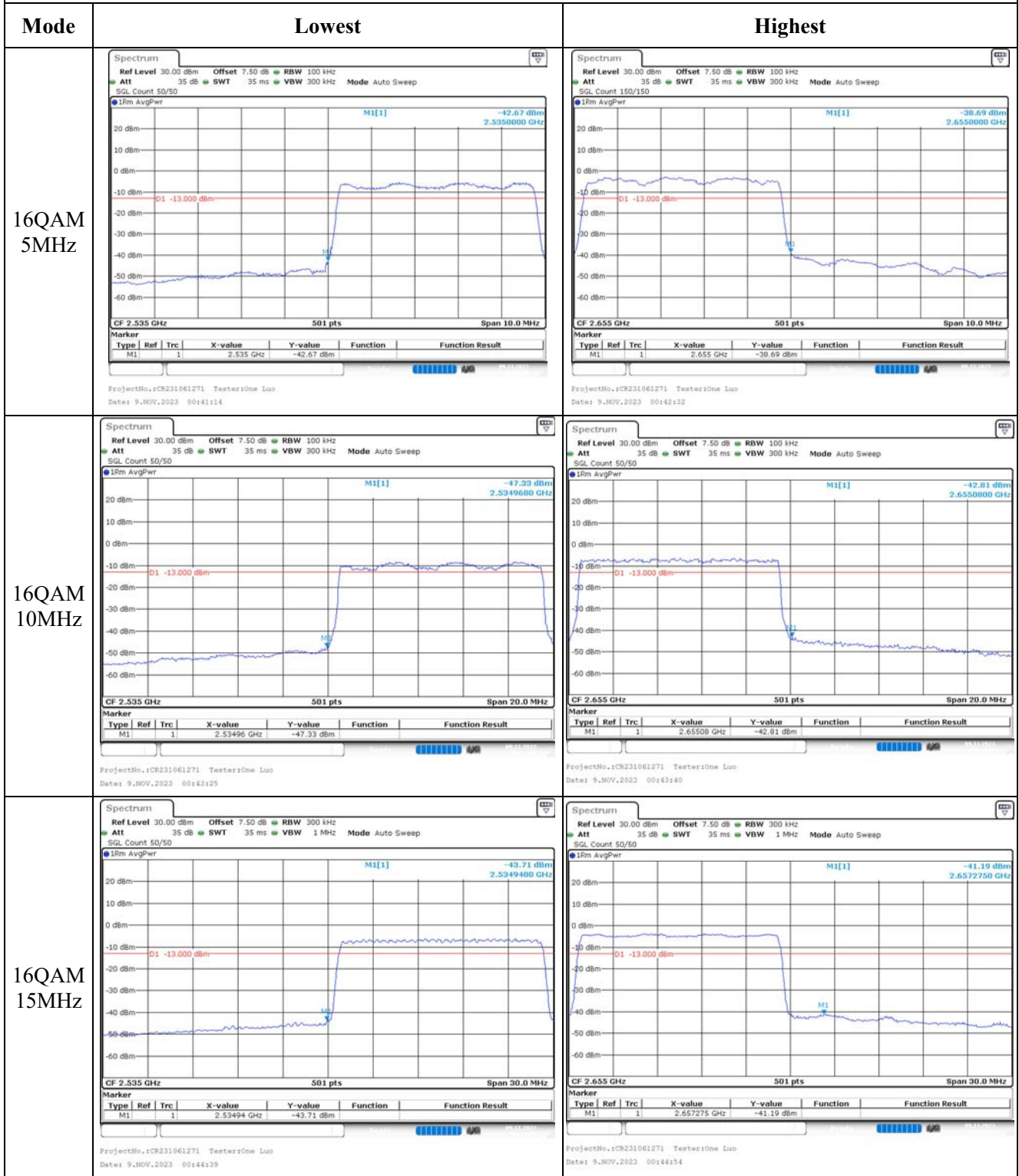
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz	<p>ProjectNo.:CR231061271 Testers:One Luo Date: 9.NOV.2023 00:41:08</p>	<p>ProjectNo.:CR231061271 Testers:One Luo Date: 9.NOV.2023 00:41:57</p>
QPSK 10MHz	<p>ProjectNo.:CR231061271 Testers:One Luo Date: 9.NOV.2023 00:43:18</p>	<p>ProjectNo.:CR231061271 Testers:One Luo Date: 9.NOV.2023 00:43:33</p>
QPSK 15MHz	<p>ProjectNo.:CR231061271 Testers:One Luo Date: 9.NOV.2023 00:44:32</p>	<p>ProjectNo.:CR231061271 Testers:One Luo Date: 9.NOV.2023 00:44:47</p>

Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.13 Radiated Spurious Emissions

Serial Number:	2CGI-1	Test Date:	2023/11/10 for below 1GHz 2023/11/22 for above 1GHz
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Vic Du ,Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.7~26.1	Relative Humidity: (%)	59~63	ATM Pressure: (kPa)	101~101.1
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Below 1 GHz					
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2023/7/16	2024/7/15
Agilent	Signal Generator	E8247C	MY43321352	2022/11/18	2023/11/17
Above 1GHz					
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2026/2/21
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/8	2024/11/7
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2023/7/16	2024/7/15
Agilent	Signal Generator	E8247C	MY43321352	2023/11/17	2024/11/18
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021/2/5	2024/2/4
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2023/9/15	2024/9/14
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/2/5	2024/2/4
PASTERNAK	Horn Antenna	PE9850/2F-20	072002	2021/2/5	2024/2/4

MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2023/8/6	2024/8/5
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* **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.

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

Cellular Band (PART 22H)

GSM850(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)			
Frequency:			824.2	MHz				
684.87	H	20.34	-53.06	0.00	0.53	-53.59	-13.00	40.59
499.68	V	20.95	-50.64	0.00	0.45	-51.09	-13.00	38.09
1648.400	H	36.10	-68.23	8.68	0.80	-60.35	-13.00	47.35
1648.400	V	35.78	-68.63	8.68	0.80	-60.75	-13.00	47.75
2472.600	H	35.44	-65.34	9.38	1.00	-56.96	-13.00	43.96
2472.600	V	35.63	-65.10	9.38	1.00	-56.72	-13.00	43.72
3296.800	H	36.23	-60.45	10.32	1.15	-51.28	-13.00	38.28
3296.800	V	36.14	-60.30	10.32	1.15	-51.13	-13.00	38.13
Frequency:			836.6	MHz				
881.36	H	22.09	-47.15	0.00	0.59	-47.74	-13.00	34.74
709.30	V	20.51	-49.21	0.00	0.52	-49.73	-13.00	36.73
1673.200	H	35.12	-69.19	8.71	0.85	-61.33	-13.00	48.33
1673.200	V	35.33	-69.08	8.71	0.85	-61.22	-13.00	48.22
2509.800	H	35.47	-65.14	9.42	1.01	-56.73	-13.00	43.73
2509.800	V	36.02	-64.60	9.42	1.01	-56.19	-13.00	43.19
3346.400	H	35.89	-61.28	10.34	1.16	-52.10	-13.00	39.10
3346.400	V	35.10	-61.93	10.34	1.16	-52.75	-13.00	39.75
Frequency:			848.8	MHz				
711.80	H	21.39	-51.69	0.00	0.51	-52.20	-13.00	39.20
576.87	V	20.13	-51.57	0.00	0.46	-52.03	-13.00	39.03
1697.600	H	36.10	-68.19	8.74	0.90	-60.35	-13.00	47.35
1697.600	V	35.69	-68.73	8.74	0.90	-60.89	-13.00	47.89
2546.400	H	35.44	-64.89	9.47	1.01	-56.43	-13.00	43.43
2546.400	V	36.78	-63.50	9.47	1.01	-55.04	-13.00	42.04
3395.200	H	36.58	-61.11	10.36	1.19	-51.94	-13.00	38.94
3395.200	V	35.23	-62.43	10.36	1.19	-53.26	-13.00	40.26

WCDMA 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)			
Frequency:826.4 MHz								
174.09	H	20.59	-60.24	0.00	0.24	-60.48	-13.00	47.48
457.78	V	20.23	-53.03	0.00	0.41	-53.44	-13.00	40.44
1652.800	H	35.78	-68.55	8.68	0.81	-60.68	-13.00	47.68
1652.800	V	36.42	-67.99	8.68	0.81	-60.12	-13.00	47.12
2479.200	H	35.44	-65.32	9.39	1.01	-56.94	-13.00	43.94
2479.200	V	36.24	-64.49	9.39	1.01	-56.11	-13.00	43.11
3305.600	H	39.17	-57.56	10.32	1.15	-48.39	-13.00	35.39
3305.600	V	44.31	-52.19	10.32	1.15	-43.02	-13.00	30.02
Frequency:836.6MHz								
701.88	H	21.46	-51.82	0.00	0.55	-52.37	-13.00	39.37
672.98	V	20.42	-49.99	0.00	0.50	-50.49	-13.00	37.49
1673.200	H	36.44	-67.87	8.71	0.85	-60.01	-13.00	47.01
1673.200	V	37.43	-66.98	8.71	0.85	-59.12	-13.00	46.12
2509.800	H	36.54	-64.07	9.42	1.01	-55.66	-13.00	42.66
2509.800	V	37.71	-62.91	9.42	1.01	-54.50	-13.00	41.50
3346.400	H	41.02	-56.15	10.34	1.16	-46.97	-13.00	33.97
3346.400	V	46.42	-50.61	10.34	1.16	-41.43	-13.00	28.43
Frequency:846.6MHz								
656.70	H	21.47	-52.08	0.00	0.52	-52.60	-13.00	39.60
174.09	V	20.56	-57.27	0.00	0.24	-57.51	-13.00	44.51
1693.200	H	35.39	-68.91	8.73	0.89	-61.07	-13.00	48.07
1693.200	V	35.47	-68.95	8.73	0.89	-61.11	-13.00	48.11
2539.800	H	35.78	-64.60	9.46	1.01	-56.15	-13.00	43.15
2539.800	V	36.20	-64.14	9.46	1.01	-55.69	-13.00	42.69
3386.400	H	42.23	-55.36	10.35	1.18	-46.19	-13.00	33.19
3386.400	V	48.98	-48.56	10.35	1.18	-39.39	-13.00	26.39

GSM1900(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Frequency:			1850.2	MHz				
325.71	H	28.56	-81.77	0.00	0.34	-82.11	-13.00	69.11
43.51	V	35.40	-58.96	-21.77	0.12	-80.85	-13.00	67.85
3700.400	H	41.50	-55.82	10.60	1.25	-46.47	-13.00	33.47
3700.400	V	40.57	-56.73	10.60	1.25	-47.38	-13.00	34.38
5550.600	H	53.99	-39.27	11.44	1.49	-29.32	-13.00	16.32
5550.600	V	51.05	-42.05	11.44	1.49	-32.10	-13.00	19.10
Frequency:			1880	MHz				
627.95	H	28.66	-76.09	0.00	0.48	-76.57	-13.00	63.57
42.75	V	36.08	-57.30	-22.77	0.12	-80.19	-13.00	67.19
3760.000	H	40.56	-55.85	10.66	1.24	-46.43	-13.00	33.43
3760.000	V	39.44	-56.85	10.66	1.24	-47.43	-13.00	34.43
5640.000	H	49.44	-44.01	11.33	1.54	-34.22	-13.00	21.22
5640.000	V	52.60	-40.73	11.33	1.54	-30.94	-13.00	17.94
Frequency:			1909.8	MHz				
254.59	H	28.83	-82.96	0.00	0.30	-83.26	-13.00	70.26
43.35	V	36.21	-57.96	-21.97	0.12	-80.05	-13.00	67.05
3819.600	H	43.02	-52.84	10.72	1.29	-43.41	-13.00	30.41
3819.600	V	40.12	-55.60	10.72	1.29	-46.17	-13.00	33.17
5729.400	H	48.80	-44.68	11.22	1.59	-35.05	-13.00	22.05
5729.400	V	50.60	-42.76	11.22	1.59	-33.13	-13.00	20.13

PCS Band (PART 24E)**WCDMA Band 2(30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Frequency:1852.4 MHz								
88.03	H	28.41	-83.98	0.00	0.17	-84.15	-13.00	71.15
43.81	V	37.11	-57.65	-21.37	0.12	-79.14	-13.00	66.14
3704.800	H	35.47	-61.79	10.60	1.25	-52.44	-13.00	39.44
3704.800	V	36.10	-61.13	10.60	1.25	-51.78	-13.00	38.78
5557.200	H	46.48	-46.80	11.43	1.49	-36.86	-13.00	23.86
5557.200	V	42.44	-50.69	11.43	1.49	-40.75	-13.00	27.75
Frequency:1880 MHz								
72.08	H	28.81	-76.22	-3.96	0.15	-80.33	-13.00	67.33
39.72	V	38.56	-50.98	-26.26	0.11	-77.35	-13.00	64.35
3760.000	H	36.10	-60.31	10.66	1.24	-50.89	-13.00	37.89
3760.000	V	35.44	-60.85	10.66	1.24	-51.43	-13.00	38.43
5640.000	H	43.97	-49.48	11.33	1.54	-39.69	-13.00	26.69
5640.000	V	41.05	-52.28	11.33	1.54	-42.49	-13.00	29.49
Frequency:1907.6MHz								
160.35	H	28.43	-83.19	0.00	0.23	-83.42	-13.00	70.42
42.90	V	37.24	-56.34	-22.57	0.12	-79.03	-13.00	66.03
3815.200	H	35.67	-60.18	10.72	1.29	-50.75	-13.00	37.75
3815.200	V	35.46	-60.23	10.72	1.29	-50.80	-13.00	37.80
5722.800	H	45.29	-48.20	11.23	1.58	-38.55	-13.00	25.55
5722.800	V	42.27	-51.08	11.23	1.58	-41.43	-13.00	28.43

AWS Band(Part 27)

WCDMA Band IV(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)			
			Frequency: 1712.4 MHz					
67.91	H	29.75	-74.05	-6.11	0.15	-80.31	-13.00	67.31
43.81	V	38.15	-56.61	-21.37	0.12	-78.10	-13.00	65.10
3424.800	H	35.01	-62.76	10.37	1.17	-53.56	-13.00	40.56
3424.800	V	35.47	-62.27	10.37	1.17	-53.07	-13.00	40.07
5137.200	H	39.45	-54.17	11.28	1.46	-44.35	-13.00	31.35
5137.200	V	37.96	-55.54	11.28	1.46	-45.72	-13.00	32.72
			Frequency: 1732.6 MHz					
968.93	H	28.39	-68.83	0.00	0.58	-69.41	-13.00	56.41
39.72	V	37.51	-52.03	-26.26	0.11	-78.40	-13.00	65.40
3465.200	H	35.44	-62.37	10.39	1.15	-53.13	-13.00	40.13
3465.200	V	35.23	-62.54	10.39	1.15	-53.30	-13.00	40.30
5197.800	H	40.14	-53.99	11.32	1.44	-44.11	-13.00	31.11
5197.800	V	38.57	-55.41	11.32	1.44	-45.53	-13.00	32.53
			Frequency: 1752.6 MHz					
37.29	H	29.28	-51.30	-25.10	0.12	-76.52	-13.00	63.52
39.72	V	37.78	-51.76	-26.26	0.11	-78.13	-13.00	65.13
3505.200	H	35.66	-62.17	10.41	1.18	-52.94	-13.00	39.94
3505.200	V	36.01	-61.76	10.41	1.18	-52.53	-13.00	39.53
5257.800	H	41.63	-52.10	11.35	1.47	-42.22	-13.00	29.22
5257.800	V	40.27	-53.24	11.35	1.47	-43.36	-13.00	30.36

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

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	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								
179.39	H	28.54	-83.92	0.00	0.25	-84.17	-13.00	71.17
43.81	V	37.99	-56.77	-21.37	0.12	-78.26	-13.00	65.26
3701.400	H	35.46	-61.85	10.60	1.25	-52.50	-13.00	39.50
3701.400	V	36.47	-60.82	10.60	1.25	-51.47	-13.00	38.47
5552.100	H	45.87	-47.40	11.44	1.49	-37.45	-13.00	24.45
5552.100	V	43.84	-49.26	11.44	1.49	-39.31	-13.00	26.31
QPSK 1.4MHz, Frequency: 1880 MHz								
170.92	H	29.01	-83.08	0.00	0.24	-83.32	-13.00	70.32
43.81	V	38.72	-56.04	-21.37	0.12	-77.53	-13.00	64.53
3760.000	H	35.42	-60.99	10.66	1.24	-51.57	-13.00	38.57
3760.000	V	35.12	-61.17	10.66	1.24	-51.75	-13.00	38.75
5640.000	H	42.77	-50.68	11.33	1.54	-40.89	-13.00	27.89
5640.000	V	42.29	-51.04	11.33	1.54	-41.25	-13.00	28.25
QPSK 1.4MHz, Frequency: 1909.3 MHz								
499.42	H	29.28	-77.59	0.00	0.45	-78.04	-13.00	65.04
42.90	V	36.39	-57.19	-22.57	0.12	-79.88	-13.00	66.88
3818.600	H	35.10	-60.76	10.72	1.29	-51.33	-13.00	38.33
3818.600	V	35.58	-60.13	10.72	1.29	-50.70	-13.00	37.70
5727.900	H	43.26	-50.22	11.23	1.59	-40.58	-13.00	27.58
5727.900	V	42.26	-51.10	11.23	1.59	-41.46	-13.00	28.46

LTE Band 4 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK 1.4MHz, Frequency: 1710.7 MHz								
68.39	H	28.67	-75.13	-5.85	0.15	-81.13	-13.00	68.13
42.90	V	36.83	-56.75	-22.57	0.12	-79.44	-13.00	66.44
3421.400	H	35.41	-62.35	10.37	1.17	-53.15	-13.00	40.15
3421.400	V	36.25	-61.48	10.37	1.17	-52.28	-13.00	39.28
5132.100	H	42.79	-50.78	11.28	1.47	-40.97	-13.00	27.97
5132.100	V	41.22	-52.24	11.28	1.47	-42.43	-13.00	29.43
QPSK 1.4MHz, Frequency: 1732.5 MHz								
75.18	H	28.52	-78.37	-2.41	0.16	-80.94	-13.00	67.94
39.73	V	36.19	-53.37	-26.27	0.11	-79.75	-13.00	66.75
3465.000	H	35.46	-62.35	10.39	1.15	-53.11	-13.00	40.11
3465.000	V	35.10	-62.67	10.39	1.15	-53.43	-13.00	40.43
5197.500	H	42.21	-51.92	11.32	1.44	-42.04	-13.00	29.04
5197.500	V	42.68	-51.30	11.32	1.44	-41.42	-13.00	28.42
QPSK 1.4MHz, Frequency: 1754.3MHz								
61.56	H	28.94	-74.92	-9.47	0.14	-84.53	-13.00	71.53
43.97	V	36.92	-58.04	-21.16	0.12	-79.32	-13.00	66.32
3508.600	H	35.44	-62.38	10.41	1.19	-53.16	-13.00	40.16
3508.600	V	35.62	-62.14	10.41	1.19	-52.92	-13.00	39.92
5262.900	H	43.76	-49.94	11.36	1.47	-40.05	-13.00	27.05
5262.900	V	44.89	-48.58	11.36	1.47	-38.69	-13.00	25.69

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								
226.19	H	20.54	-60.51	0.00	0.28	-60.79	-13.00	47.79
549.25	V	21.46	-50.19	0.00	0.47	-50.66	-13.00	37.66
1649.400	H	35.11	-69.22	8.68	0.80	-61.34	-13.00	48.34
1649.400	V	35.63	-68.78	8.68	0.80	-60.90	-13.00	47.90
2474.100	H	38.47	-62.31	9.38	1.00	-53.93	-13.00	40.93
2474.100	V	38.44	-62.29	9.38	1.00	-53.91	-13.00	40.91
3298.800	H	44.34	-52.34	10.32	1.15	-43.17	-13.00	30.17
3298.800	V	49.59	-46.85	10.32	1.15	-37.68	-13.00	24.68
QPSK 1.4MHz, Frequency: 836.5 MHz								
131.42	H	21.12	-59.54	0.00	0.21	-59.75	-13.00	46.75
149.21	V	21.27	-55.31	0.00	0.22	-55.53	-13.00	42.53
1673.000	H	35.44	-68.87	8.71	0.85	-61.01	-13.00	48.01
1673.000	V	35.12	-69.29	8.71	0.85	-61.43	-13.00	48.43
2509.500	H	35.63	-64.98	9.42	1.01	-56.57	-13.00	43.57
2509.500	V	36.44	-64.18	9.42	1.01	-55.77	-13.00	42.77
3346.000	H	43.28	-53.88	10.34	1.16	-44.70	-13.00	31.70
3346.000	V	48.48	-48.54	10.34	1.16	-39.36	-13.00	26.36
QPSK 1.4MHz, Frequency: 848.3 MHz								
394.79	H	20.33	-57.62	0.00	0.38	-58.00	-13.00	45.00
396.53	V	21.19	-54.43	0.00	0.39	-54.82	-13.00	41.82
1696.600	H	35.69	-68.60	8.74	0.89	-60.75	-13.00	47.75
1696.600	V	35.12	-69.30	8.74	0.89	-61.45	-13.00	48.45
2544.900	H	35.10	-65.24	9.47	1.01	-56.78	-13.00	43.78
2544.900	V	36.44	-63.86	9.47	1.01	-55.40	-13.00	42.40
3393.200	H	48.35	-49.32	10.36	1.19	-40.15	-13.00	27.15
3393.200	V	53.75	-43.88	10.36	1.19	-34.71	-13.00	21.71

LTE Band 7(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)			
5MHz QPSK, Frequency:			2502.5 MHz					
513.93	H	28.18	-78.39	0.00	0.44	-78.83	-25.00	53.83
43.81	V	37.70	-57.06	-21.37	0.12	-78.55	-25.00	53.55
5005.000	H	36.25	-56.71	11.20	1.47	-46.98	-25.00	21.98
5005.000	V	37.49	-55.33	11.20	1.47	-45.60	-25.00	20.60
7507.500	H	35.41	-54.38	10.90	1.95	-45.43	-25.00	20.43
7507.500	V	35.23	-55.06	10.90	1.95	-46.11	-25.00	21.11
5MHz QPSK, Frequency:			2535 MHz					
66.27	H	29.38	-74.44	-6.98	0.15	-81.57	-25.00	56.57
39.72	V	38.35	-51.19	-26.26	0.11	-77.56	-25.00	52.56
5070.000	H	35.44	-57.75	11.24	1.47	-47.98	-25.00	22.98
5070.000	V	36.01	-57.08	11.24	1.47	-47.31	-25.00	22.31
7605.000	H	35.69	-53.78	10.88	2.01	-44.91	-25.00	19.91
7605.000	V	35.23	-54.96	10.88	2.01	-46.09	-25.00	21.09
5MHz QPSK, Frequency:			2567.5 MHz					
38.35	H	28.91	-53.16	-25.61	0.11	-78.88	-25.00	53.88
43.81	V	37.48	-57.28	-21.37	0.12	-78.77	-25.00	53.77
5135.000	H	36.01	-57.59	11.28	1.47	-47.78	-25.00	22.78
5135.000	V	35.58	-57.91	11.28	1.47	-48.10	-25.00	23.10
7702.500	H	35.66	-53.86	10.86	1.97	-44.97	-25.00	19.97
7702.500	V	35.78	-54.40	10.86	1.97	-45.51	-25.00	20.51

LTE Band 38(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)			
5MHz QPSK, Frequency:			2572.5 MHz					
92.46	H	28.44	-84.43	0.00	0.18	-84.61	-25.00	59.61
39.72	V	37.00	-52.54	-26.26	0.11	-78.91	-25.00	53.91
5145.000	H	35.21	-58.47	11.29	1.44	-48.62	-25.00	23.62
5145.000	V	34.89	-58.68	11.29	1.44	-48.83	-25.00	23.83
7717.500	H	36.20	-53.31	10.86	1.99	-44.44	-25.00	19.44
7717.500	V	35.55	-54.58	10.86	1.99	-45.71	-25.00	20.71
5MHz QPSK, Frequency:			2595 MHz					
91.82	H	28.48	-84.43	0.00	0.18	-84.61	-25.00	59.61
39.72	V	37.09	-52.45	-26.26	0.11	-78.82	-25.00	53.82
5190.000	H	35.47	-58.60	11.31	1.44	-48.73	-25.00	23.73
5190.000	V	35.69	-58.23	11.31	1.44	-48.36	-25.00	23.36
7785.000	H	36.20	-53.29	10.84	1.99	-44.44	-25.00	19.44
7785.000	V	35.23	-54.69	10.84	1.99	-45.84	-25.00	20.84
5MHz QPSK, Frequency:			2617.5 MHz					
382.59	H	28.47	-81.00	0.00	0.38	-81.38	-25.00	56.38
43.35	V	36.08	-58.08	-21.98	0.12	-80.18	-25.00	55.18
5235.000	H	35.12	-58.78	11.34	1.46	-48.90	-25.00	23.90
5235.000	V	35.33	-58.38	11.34	1.46	-48.50	-25.00	23.50
7852.500	H	36.01	-53.18	10.83	2.03	-44.38	-25.00	19.38
7852.500	V	35.48	-54.10	10.83	2.03	-45.30	-25.00	20.30

LTE Band 40 Lower(30MHz-25GHz):

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)			
5MHz QPSK, Frequency:			2307.5 MHz					
92.41	H	28.07	-84.80	0.00	0.18	-84.98	-40.00	44.98
39.72	V	36.92	-52.63	-26.27	0.11	-79.01	-40.00	39.01
4615.000	H	35.12	-60.24	10.74	1.41	-50.91	-40.00	10.91
4615.000	V	36.34	-58.88	10.74	1.41	-49.55	-40.00	9.55
6922.500	H	35.56	-55.46	11.22	1.88	-46.12	-40.00	6.12
6922.500	V	35.78	-55.11	11.22	1.88	-45.77	-40.00	5.77
5MHz QPSK, Frequency:			2312.5 MHz					
416.27	H	28.60	-80.23	0.00	0.39	-80.62	-40.00	40.62
43.77	V	36.98	-57.73	-21.42	0.12	-79.27	-40.00	39.27
4625.000	H	35.11	-60.18	10.75	1.41	-50.84	-40.00	10.84
4625.000	V	35.63	-59.54	10.75	1.41	-50.20	-40.00	10.20
6937.500	H	36.01	-54.97	11.21	1.90	-45.66	-40.00	5.66
6937.500	V	36.23	-54.61	11.21	1.90	-45.30	-40.00	5.30

LTE Band 40 Upper(30MHz-25GHz):

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)			
5MHz QPSK, Frequency:			2352.5 MHz					
91.76	H	28.75	-84.16	0.00	0.18	-84.34	-40.00	44.34
44.29	V	36.83	-58.55	-20.74	0.12	-79.41	-40.00	39.41
4705.000	H	35.78	-59.00	10.85	1.41	-49.56	-40.00	9.56
4705.000	V	35.69	-59.11	10.85	1.41	-49.67	-40.00	9.67
7057.500	H	34.89	-55.12	11.17	1.92	-45.87	-40.00	5.87
7057.500	V	35.63	-54.27	11.17	1.92	-45.02	-40.00	5.02
5MHz QPSK, Frequency:			2357.5 MHz					
431.89	H	28.51	-79.95	0.00	0.40	-80.35	-40.00	40.35
42.88	V	37.02	-56.53	-22.60	0.12	-79.25	-40.00	39.25
4715.000	H	36.01	-58.70	10.86	1.41	-49.25	-40.00	9.25
4715.000	V	35.41	-59.30	10.86	1.41	-49.85	-40.00	9.85
7072.500	H	35.55	-54.25	11.16	1.91	-45.00	-40.00	5.00
7072.500	V	35.62	-54.09	11.16	1.91	-44.84	-40.00	4.84

LTE Band 41(30MHz-27GHz):

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)			
5MHz QPSK, Frequency:			2537.5	MHz				
80.64	H	28.18	-81.81	0.00	0.16	-81.97	-25.00	56.97
44.59	V	37.41	-58.35	-20.35	0.12	-78.82	-25.00	53.82
5075.000	H	36.12	-57.09	11.25	1.48	-47.32	-25.00	22.32
5075.000	V	35.24	-57.87	11.25	1.48	-48.10	-25.00	23.10
7612.500	H	35.85	-53.63	10.88	2.02	-44.77	-25.00	19.77
7612.500	V	36.01	-54.18	10.88	2.02	-45.32	-25.00	20.32
5MHz QPSK, Frequency:			2595	MHz				
437.33	H	29.57	-78.76	0.00	0.41	-79.17	-25.00	54.17
43.81	V	36.27	-58.49	-21.37	0.12	-79.98	-25.00	54.98
5190.000	H	35.69	-58.38	11.31	1.44	-48.51	-25.00	23.51
5190.000	V	36.01	-57.91	11.31	1.44	-48.04	-25.00	23.04
7785.000	H	35.78	-53.71	10.84	1.99	-44.86	-25.00	19.86
7785.000	V	35.88	-54.04	10.84	1.99	-45.19	-25.00	20.19
5MHz QPSK, Frequency:			2652.5	MHz				
701.76	H	28.17	-76.40	0.00	0.55	-76.95	-25.00	51.95
42.75	V	36.08	-57.30	-22.77	0.12	-80.19	-25.00	55.19
5305.000	H	35.46	-57.98	11.38	1.46	-48.06	-25.00	23.06
5305.000	V	36.23	-56.95	11.38	1.46	-47.03	-25.00	22.03
7957.500	H	36.21	-52.21	10.81	2.09	-43.49	-25.00	18.49
7957.500	V	35.99	-52.88	10.81	2.09	-44.16	-25.00	19.16

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

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231061271-EXP EUT EXTERNAL PHOTOGRAPHS and CR231061271-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231061271-00G-TSP TEST SETUP PHOTOGRAPHS.

==== END OF REPORT =====