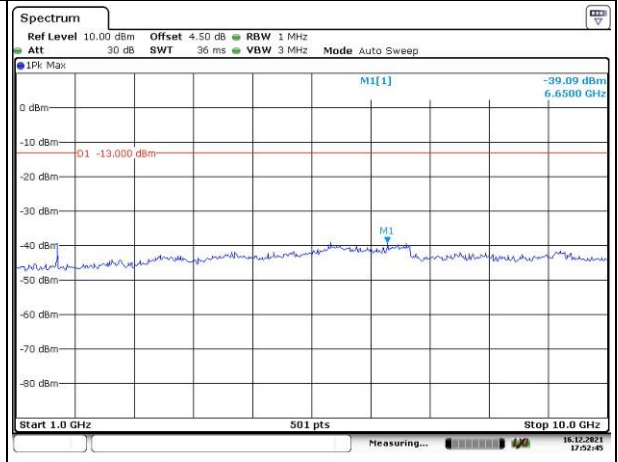
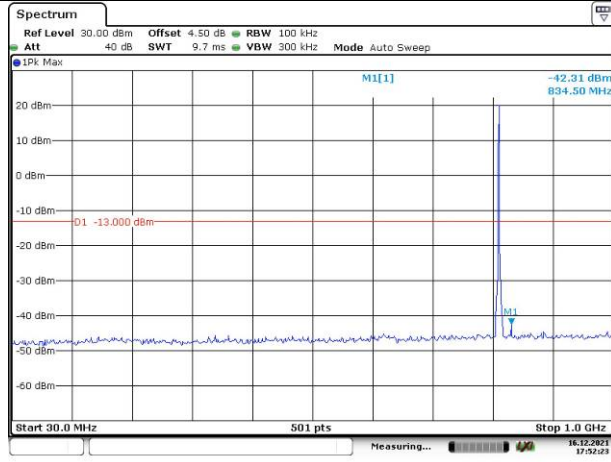


### Spurious Emissions at Antenna Terminal

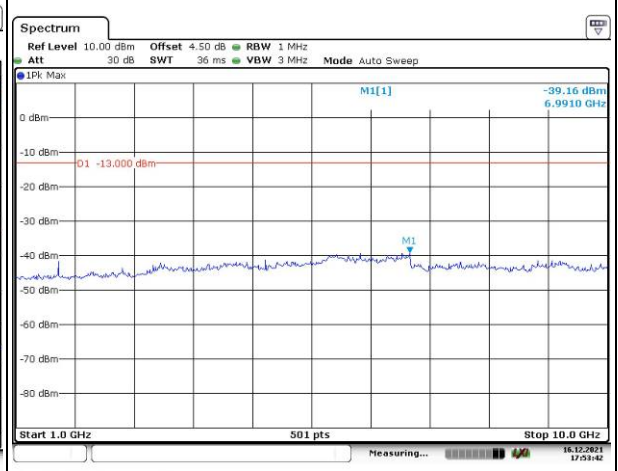
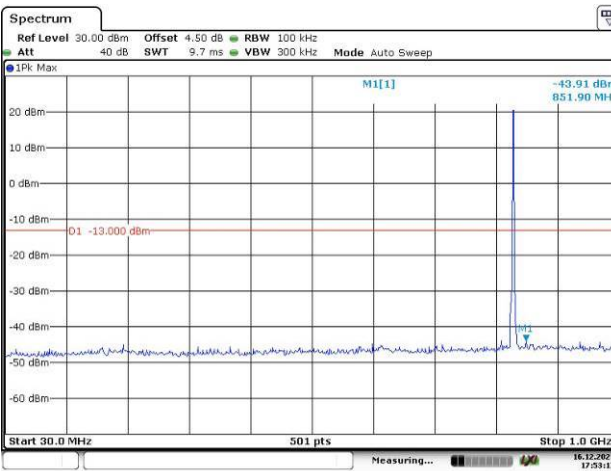
Channel

1.4MHz Bandwidth QPSK

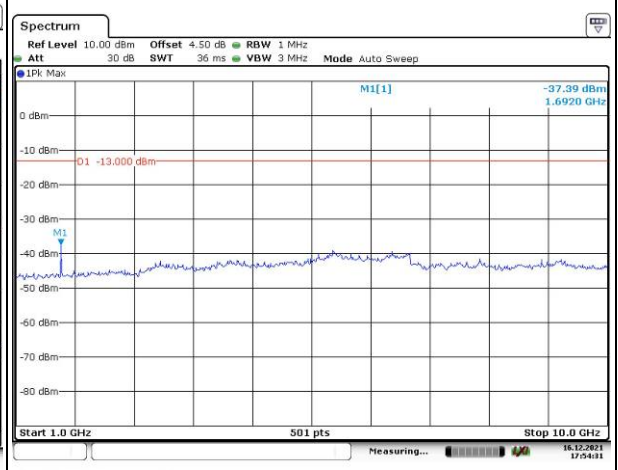
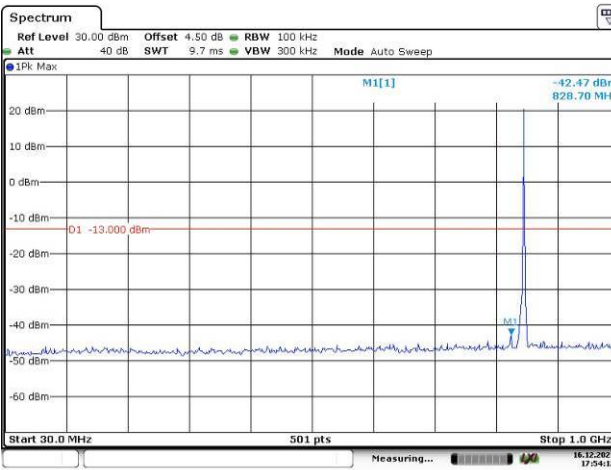
Lowest



Middle



Highest

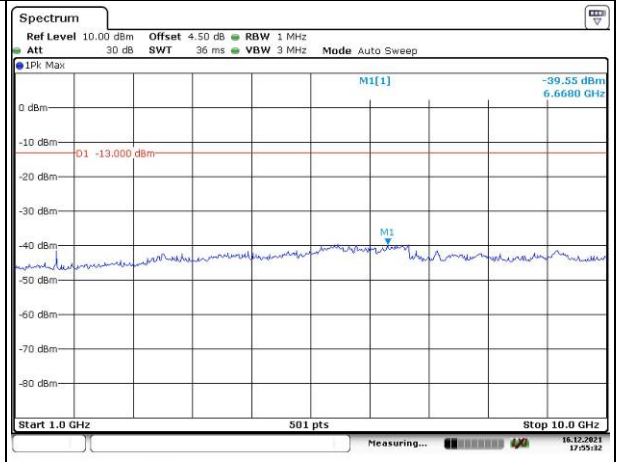
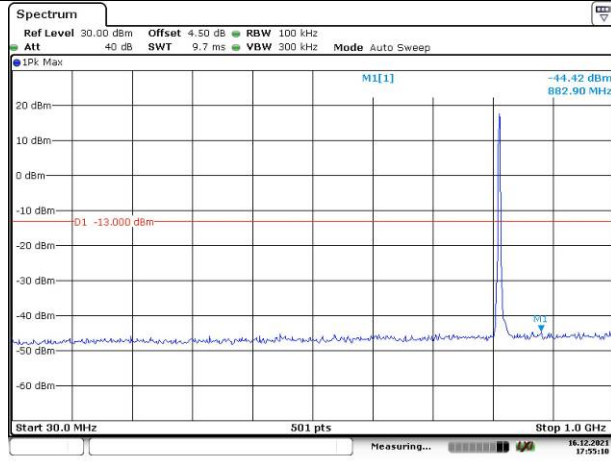


### Spurious Emissions at Antenna Terminal

Channel

3MHz Bandwidth QPSK

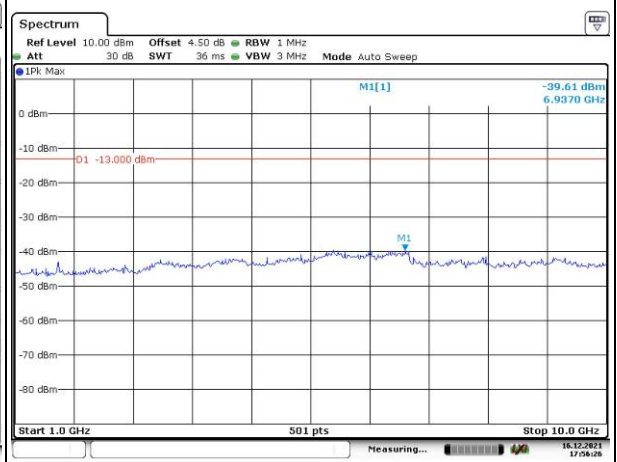
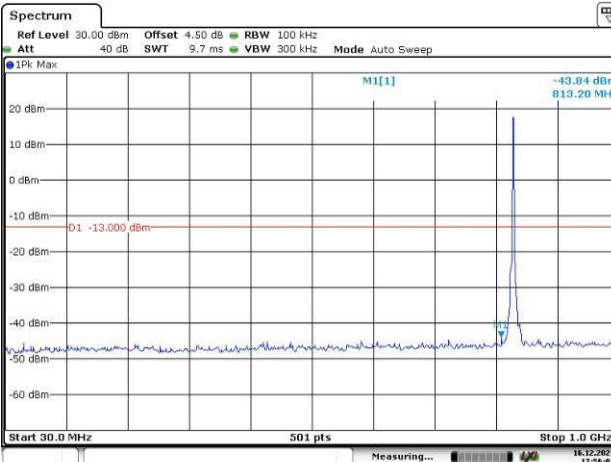
Lowest



Date: 16.DEC.2021 17:55:19

Date: 16.DEC.2021 17:55:32

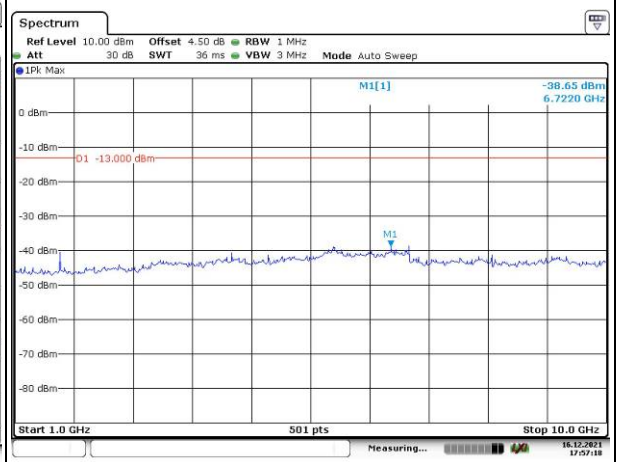
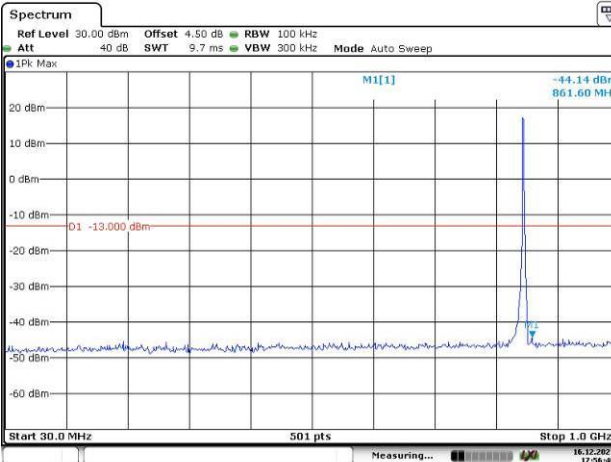
Middle



Date: 16.DEC.2021 17:56:02

Date: 16.DEC.2021 17:56:27

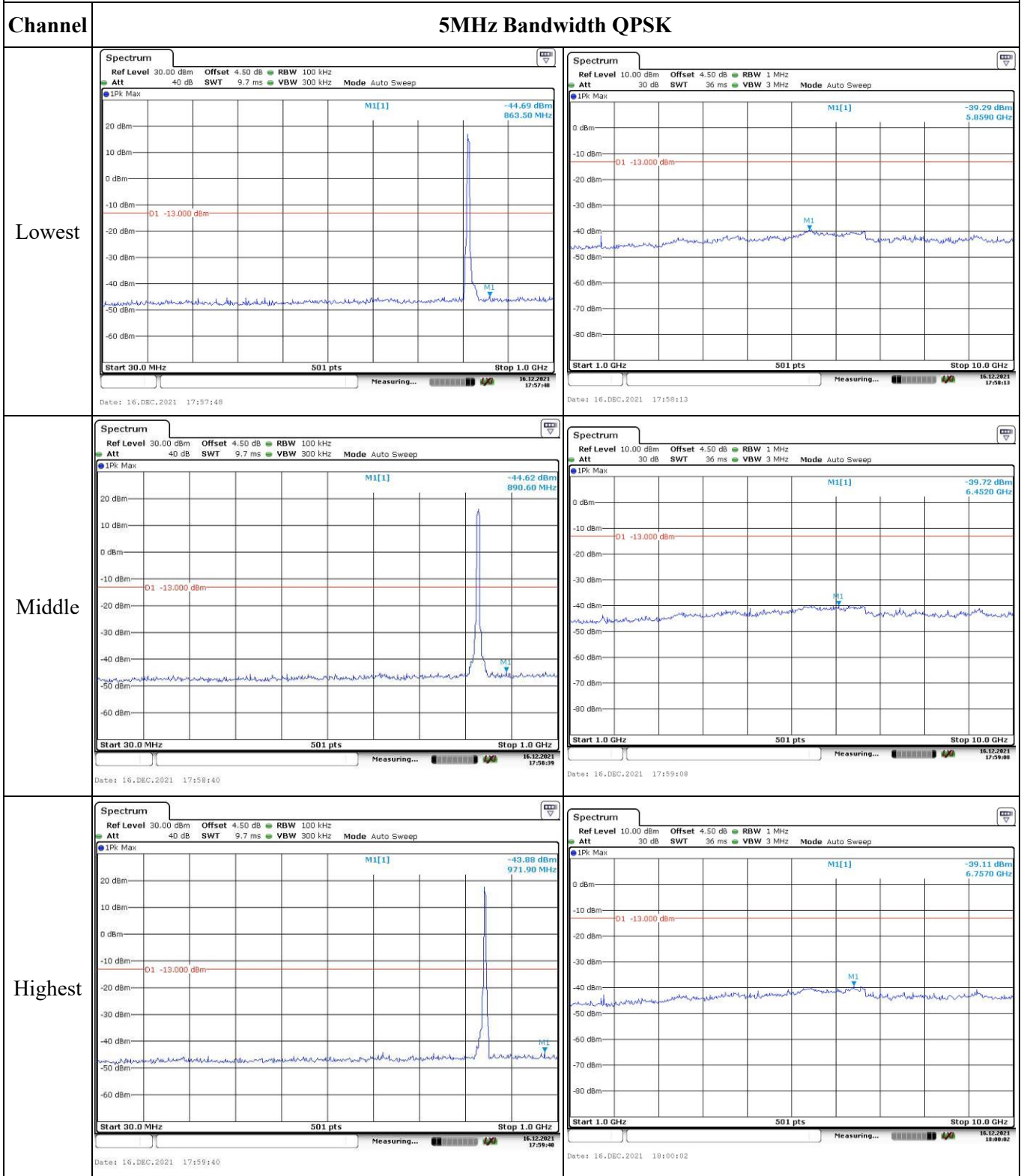
Highest



Date: 16.DEC.2021 17:56:50

Date: 16.DEC.2021 17:57:18

### Spurious Emissions at Antenna Terminal

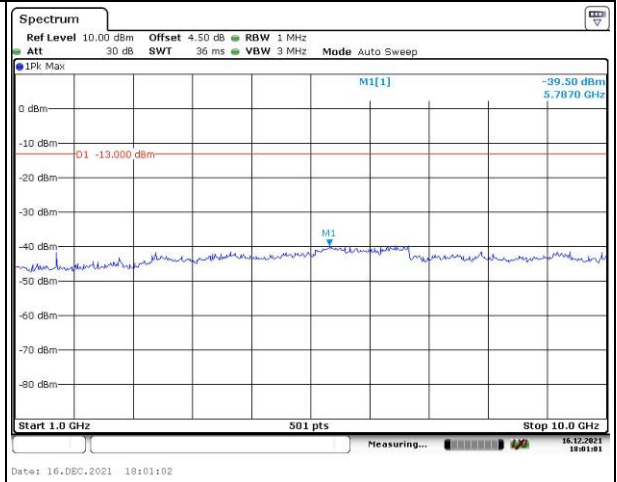
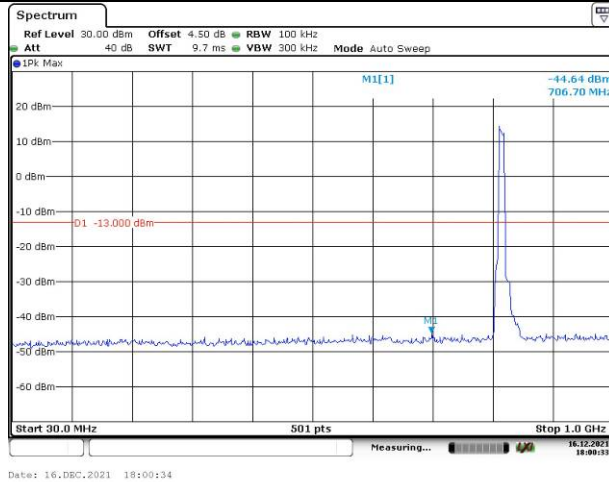


Spurious Emissions at Antenna Terminal

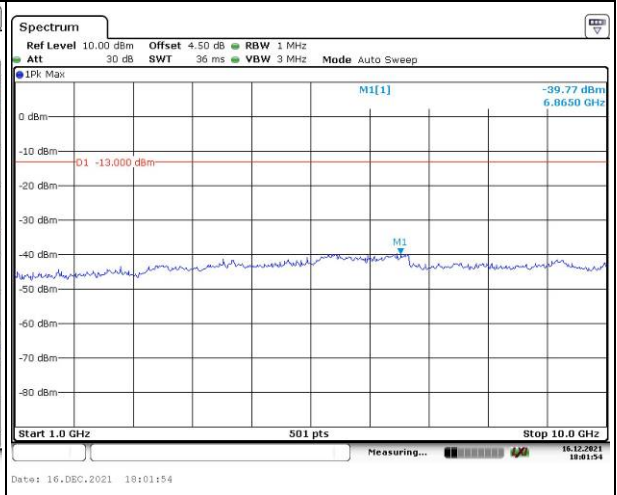
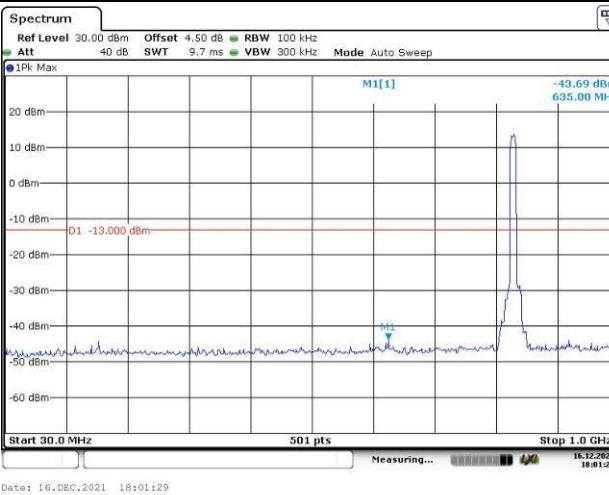
Channel

10MHz Bandwidth QPSK

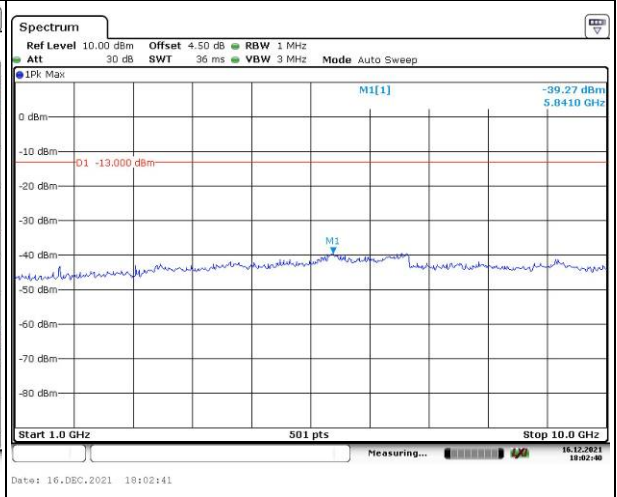
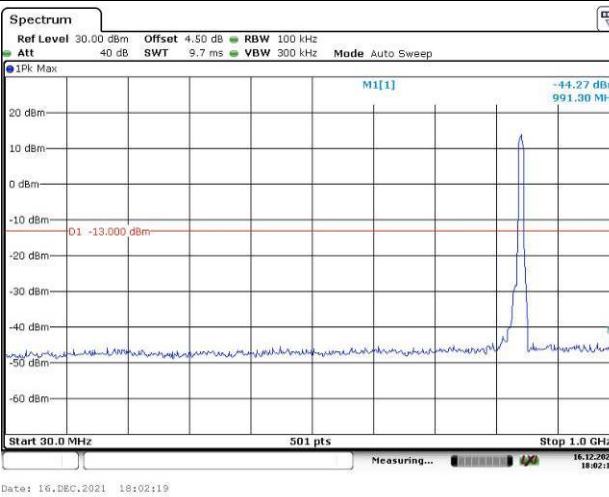
Lowest



Middle



Highest

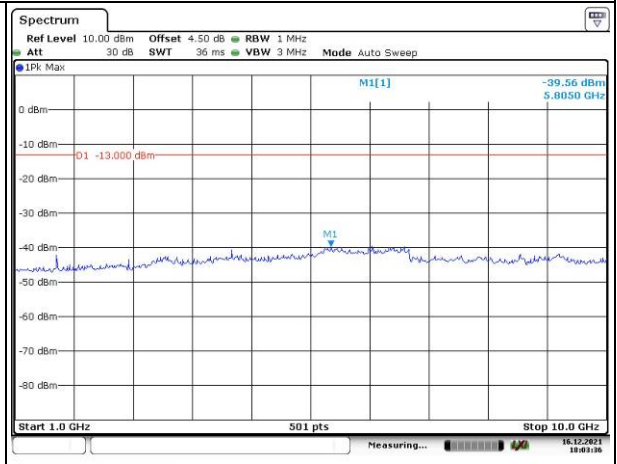
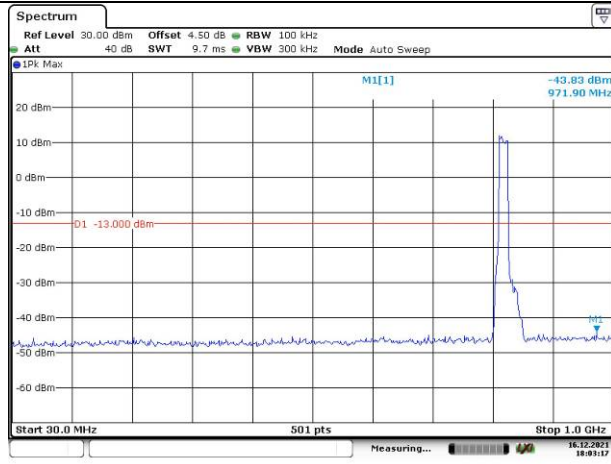


### Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

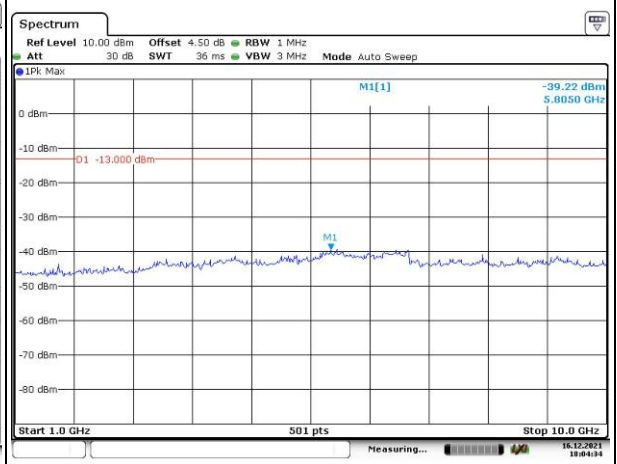
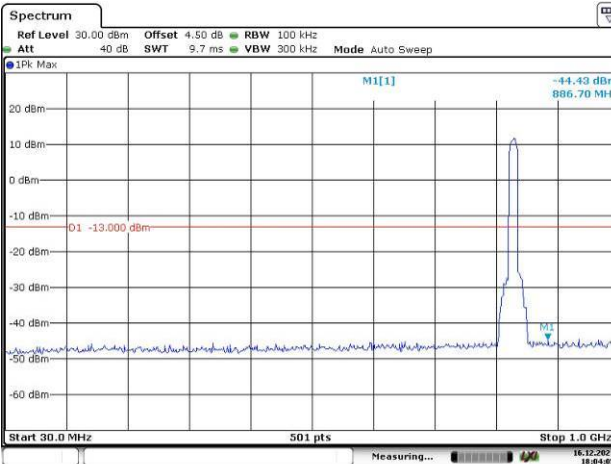
Lowest



Date: 16.DEC.2021 18:03:17

Date: 16.DEC.2021 18:03:36

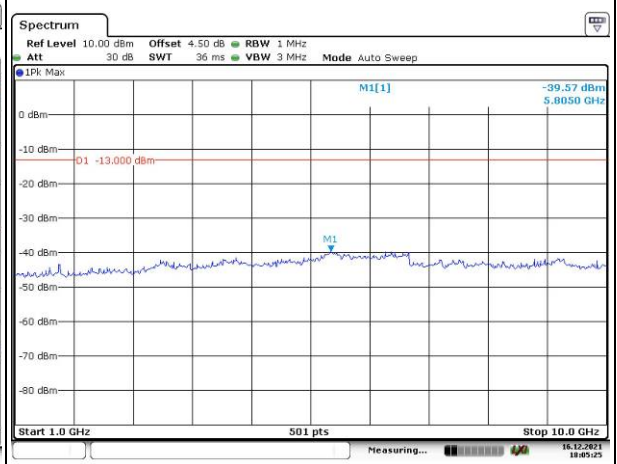
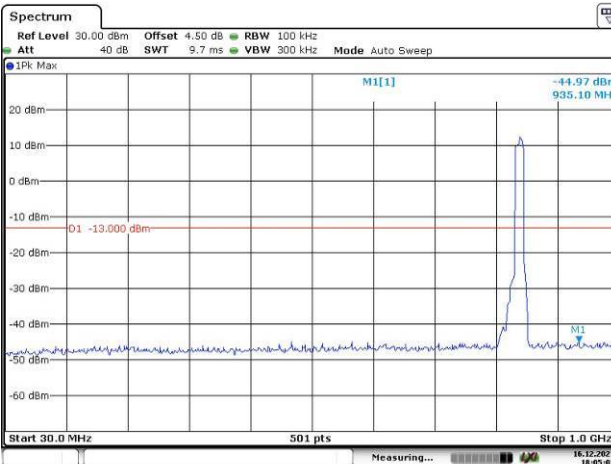
Middle



Date: 16.DEC.2021 18:04:06

Date: 16.DEC.2021 18:04:34

Highest



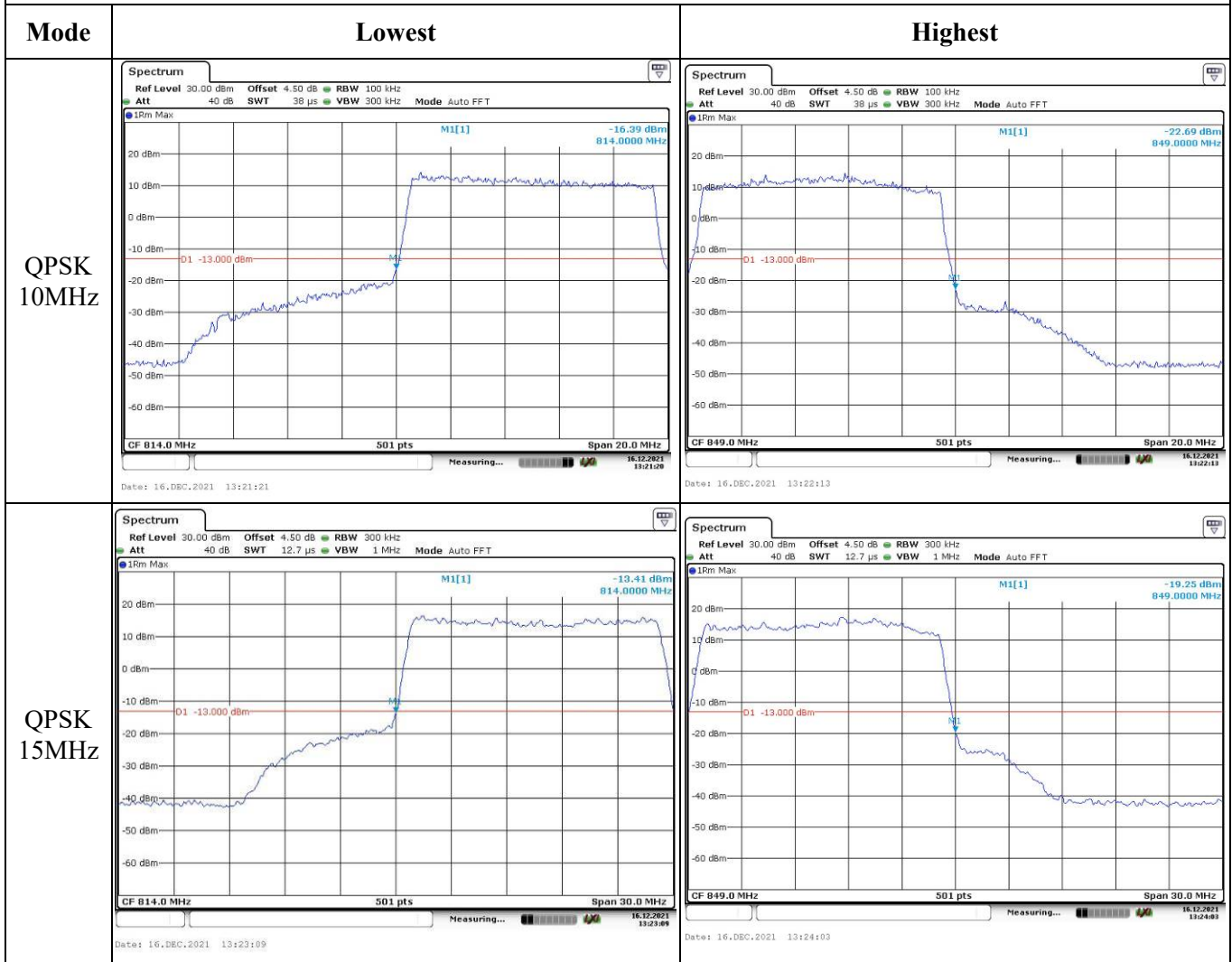
Date: 16.DEC.2021 18:05:04

Date: 16.DEC.2021 18:05:26

Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 1.4MHz		
QPSK 3MHz		
QPSK 5MHz		

Out of band emission, Band Edge

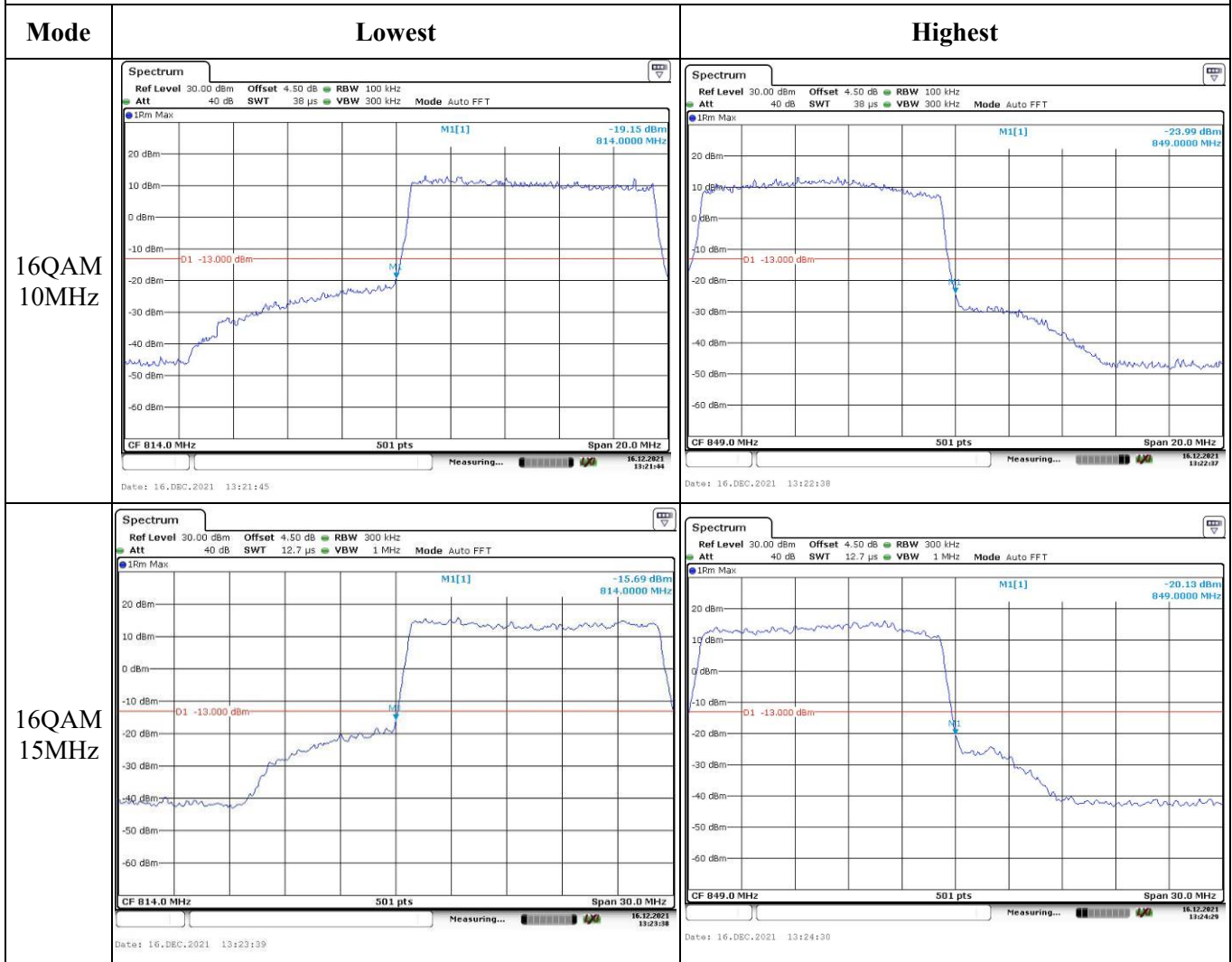


Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 1.4MHz		
16QAM 3MHz		
16QAM 5MHz		



Out of band emission, Band Edge



**4.15 Antenna Port Test Data and Results for LTE Band 41:**

Serial Number:	CR21100097-RF-S1	Test Date:	2021/10/26~2021/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	21.7~25.1	Relative Humidity: (%)	37~59	ATM Pressure: (kPa)	101.1~101.3
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	Spectrum Analyzer	101474	2021/7/22	2022/7/21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
R&S	Universal Radio Communication Tester	CMU200	110 825	2021/7/22	2022/7/21
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2021/7/22	2022/7/21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021/7/22	2022/7/22
UNI-T	Multimeter	UT39A+	C210582554	2021/9/30	2022/9/30
E-Microwave	Two-way Splitter	ODP-1-6	OE0120176	Each Time	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).

**EUT Information@LTE Band 41▲:**

Antenna Gain (dBi):	2	Cable Loss (dB):	0
Operation Voltage(V <sub>DC</sub> ):			
Lowest:	3.2	Normal:	3.8
		Highest:	4.4

**Test Frequency For Each Mode:**

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	2498.5	2593	2687.5
10MHz	2501	2593	2685
15MHz	2603.5	2593	2682.5
20MHz	2506	2593	2680

**Test Data:**

<b>FCC§2.1046;§ 27.50(h)(2)</b>						
<b>RF Output Power:</b>						
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	23.22	23.63	23.50	25.63	33
	RB1#13	23.22	23.36	23.21		
	RB1#24	23.09	23.43	23.24		
	RB15#0	23.19	23.02	23.30		
	RB15#10	22.99	22.89	22.93		
	RB25#0	23.02	22.88	22.94		
5MHz 16QAM	RB1#0	23.35	23.24	23.35	25.35	33
	RB1#13	23.10	23.13	23.14		
	RB1#24	22.97	23.05	23.06		
	RB15#0	22.82	23.05	22.96		
	RB15#10	22.69	22.85	22.69		
	RB25#0	22.60	22.36	22.82		
10MHz QPSK	RB1#0	23.35	23.49	23.67	25.67	33
	RB1#25	23.20	23.37	23.39		
	RB1#49	23.20	23.44	23.41		
	RB25#0	23.20	23.41	23.32		
	RB25#25	23.17	23.05	22.96		
	RB50#0	23.06	22.85	23.05		
10MHz 16QAM	RB1#0	23.40	23.33	23.36	25.4	33
	RB1#25	23.07	23.05	23.19		
	RB1#49	23.05	22.89	23.14		
	RB25#0	22.87	23.18	23.00		
	RB25#25	22.75	23.09	22.90		
	RB50#0	22.81	22.96	22.72		
15MHz QPSK	RB1#0	23.48	23.70	23.56	25.7	33
	RB1#38	23.32	23.45	23.56		
	RB1#74	23.19	23.44	23.40		
	RB36#0	23.35	23.61	23.26		
	RB36#39	23.20	23.24	23.19		
	RB75#0	23.12	23.09	23.28		
15MHz 16QAM	RB1#0	23.38	23.49	23.51	25.51	33
	RB1#38	23.33	23.21	23.38		
	RB1#74	23.11	23.17	23.43		
	RB36#0	23.21	23.30	23.14		
	RB36#39	23.07	23.34	23.13		
	RB75#0	22.91	23.16	22.98		
20MHz QPSK	RB1#0	23.55	24.16	24.11	26.16	33

	RB1#50	23.31	24.08	24.06		
	RB1#99	23.15	23.66	23.59		
	RB50#0	23.49	24.11	23.97		
	RB50#50	23.30	24.09	23.99		
	RB100#0	23.00	23.32	23.35		
20MHz 16QAM	RB1#0	23.38	24.13	24.08	26.13	33
	RB1#50	23.27	23.98	23.65		
	RB1#99	23.13	23.50	23.50		
	RB50#0	23.30	24.11	23.95		
	RB50#50	23.05	23.95	23.56		
	RB100#0	23.04	23.32	23.47		
Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)						
					<b>Result:</b>	<b>Pass</b>

<b>Peak-to-average Ratio(PAR)</b>					
Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	5.54	5.36	7.62	13
	RB100#0	7.88	6.23	5.45	13
20MHz 16QAM	RB1#0	5.30	7.86	6.28	13
	RB100#0	5.30	5.68	7.88	13
<b>Result:</b>					<b>Pass</b>

<b>FCC §2.1049, §27.53: Occupied Bandwidth</b>						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.511	4.511	4.511	5.020	5.040	5.180
5MHz 16QAM	4.511	4.511	4.511	5.040	5.040	5.140
10MHz QPSK	8.942	8.942	8.942	10.320	9.880	9.760
10MHz 16QAM	8.942	8.942	8.942	9.760	9.600	9.720
15MHz QPSK	13.473	13.533	13.413	15.660	15.300	14.640
15MHz 16QAM	13.473	13.533	13.533	15.000	15.660	14.820
20MHz QPSK	17.964	17.884	17.884	19.920	19.360	19.360
20MHz 16QAM	17.964	17.964	17.884	19.360	19.840	19.280
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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

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

<b>Result:</b>	<b>Pass, Please refer to the test plots of Out of band emission, Band Edge.</b>
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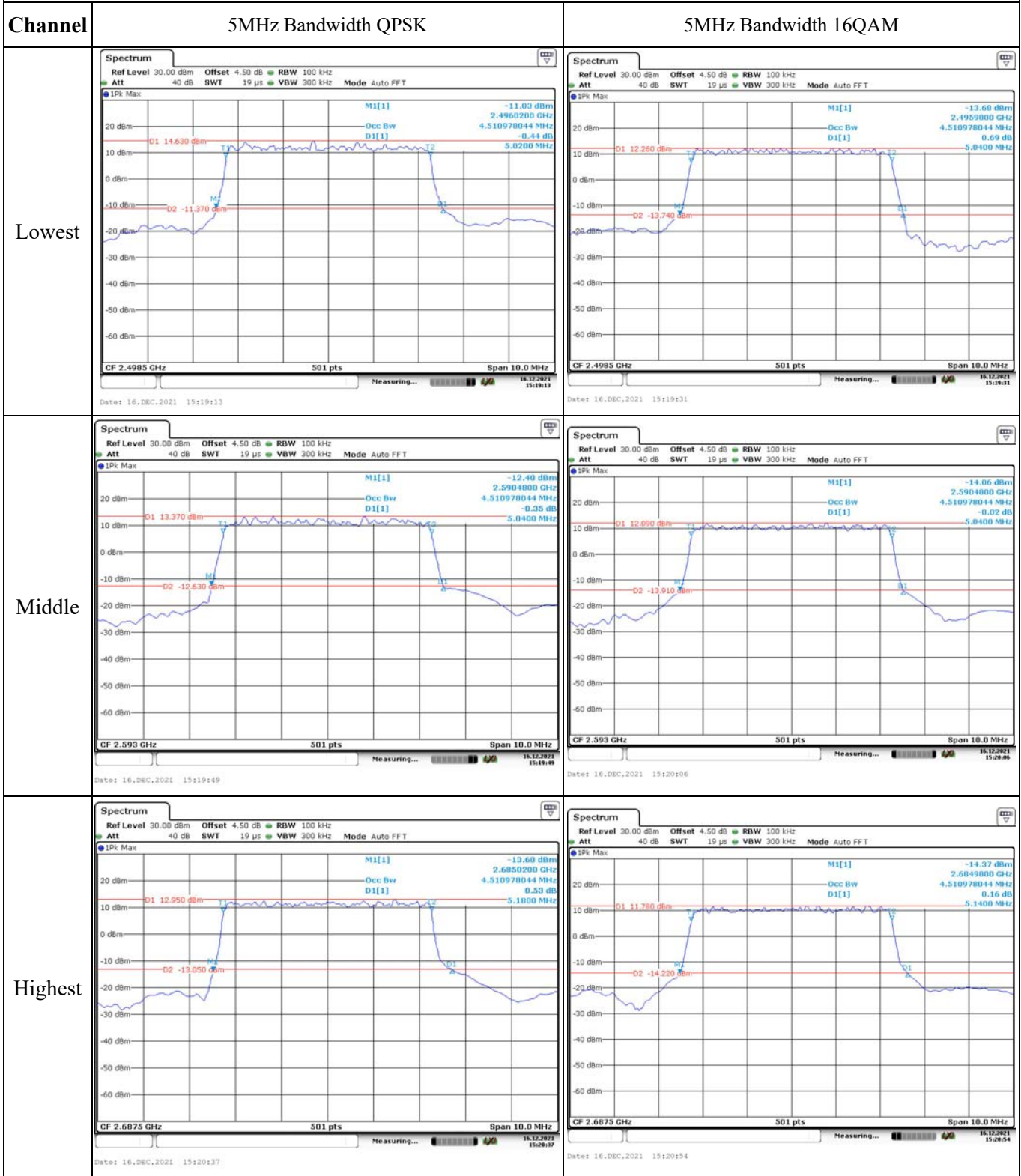
**FCC §2.1055, §27.54: Frequency Stability**

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>DC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2497.016	2496	2688.943	2690
	-20	3.8	2497.021	2496	2688.939	2690
	-10	3.8	2497.017	2496	2688.940	2690
	0	3.8	2497.011	2496	2688.938	2690
	10	3.8	2497.016	2496	2688.939	2690
	20	3.8	2497.018	2496	2688.942	2690
	30	3.8	2497.022	2496	2688.944	2690
	40	3.8	2497.014	2496	2688.943	2690
Frequency Stability vs. Voltage	20	3.2	2497.012	2496	2688.939	2690
	20	4.4	2497.026	2496	2688.944	2690
<b>Result:</b>					<b>Pass</b>	

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>DC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	2497.013	2496	2688.942	2690
	-20	3.8	2497.017	2496	2688.939	2690
	-10	3.8	2497.023	2496	2688.941	2690
	0	3.8	2497.022	2496	2688.942	2690
	10	3.8	2497.013	2496	2688.945	2690
	20	3.8	2497.018	2496	2688.942	2690
	30	3.8	2497.022	2496	2688.937	2690
	40	3.8	2497.019	2496	2688.946	2690
Frequency Stability vs. Voltage	20	3.2	2497.013	2496	2688.944	2690
	20	4.4	2497.013	2496	2688.944	2690
<b>Result:</b>					<b>Pass</b>	

Test Plots:

Occupied Bandwidth



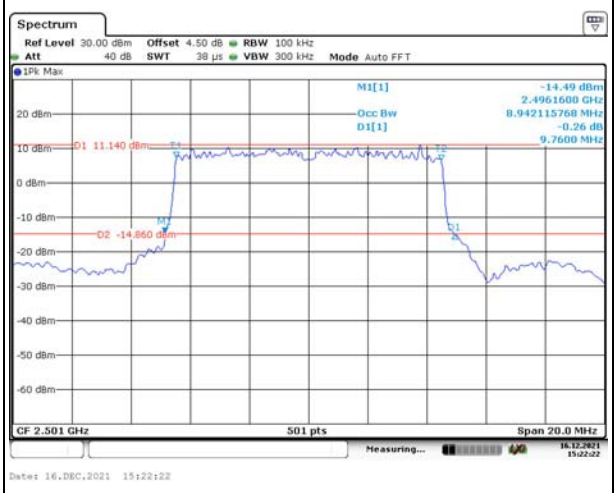
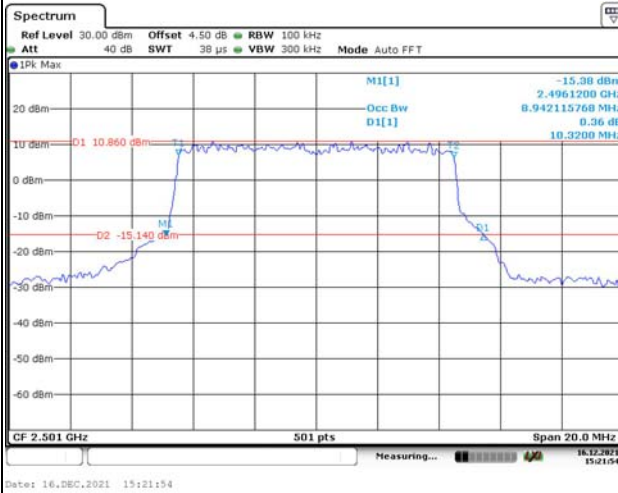
### Occupied Bandwidth

Channel

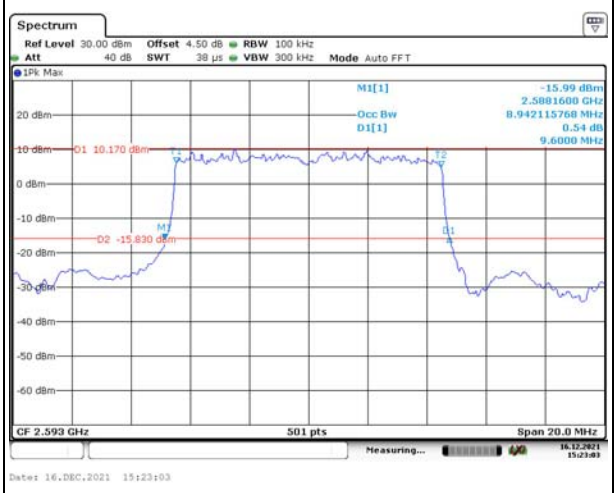
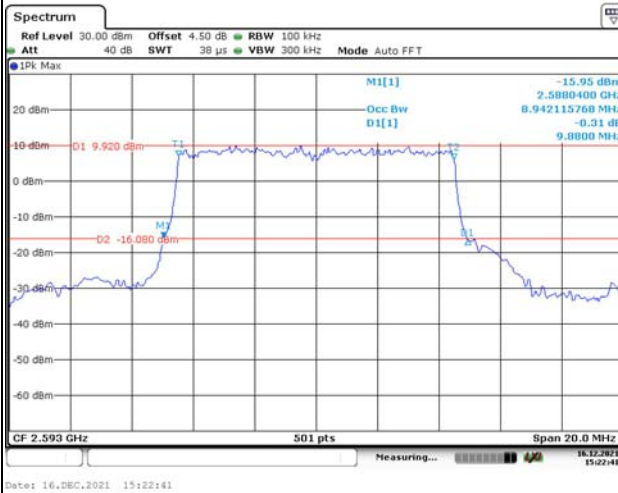
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

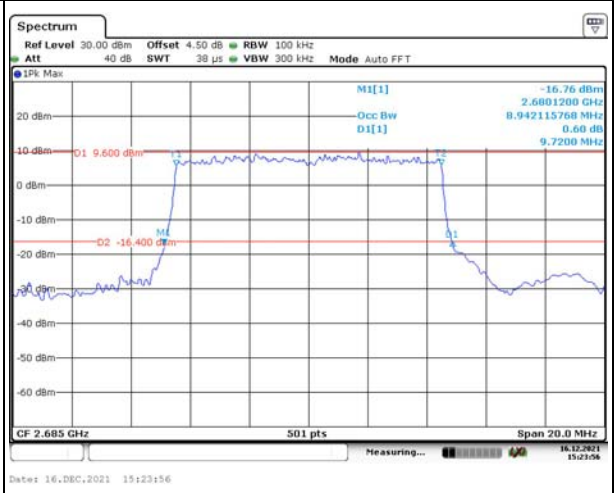
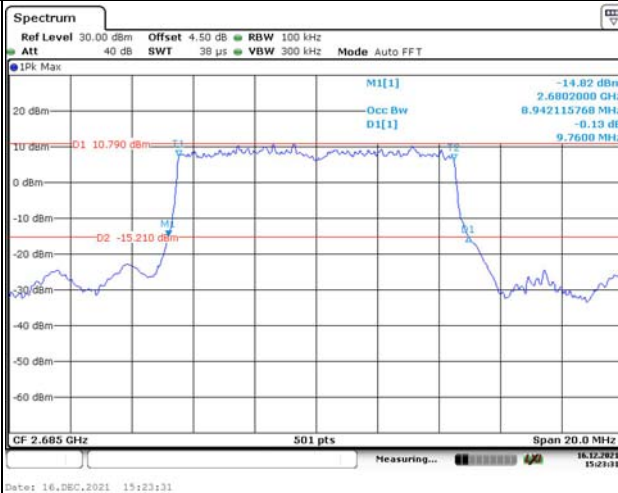
Lowest



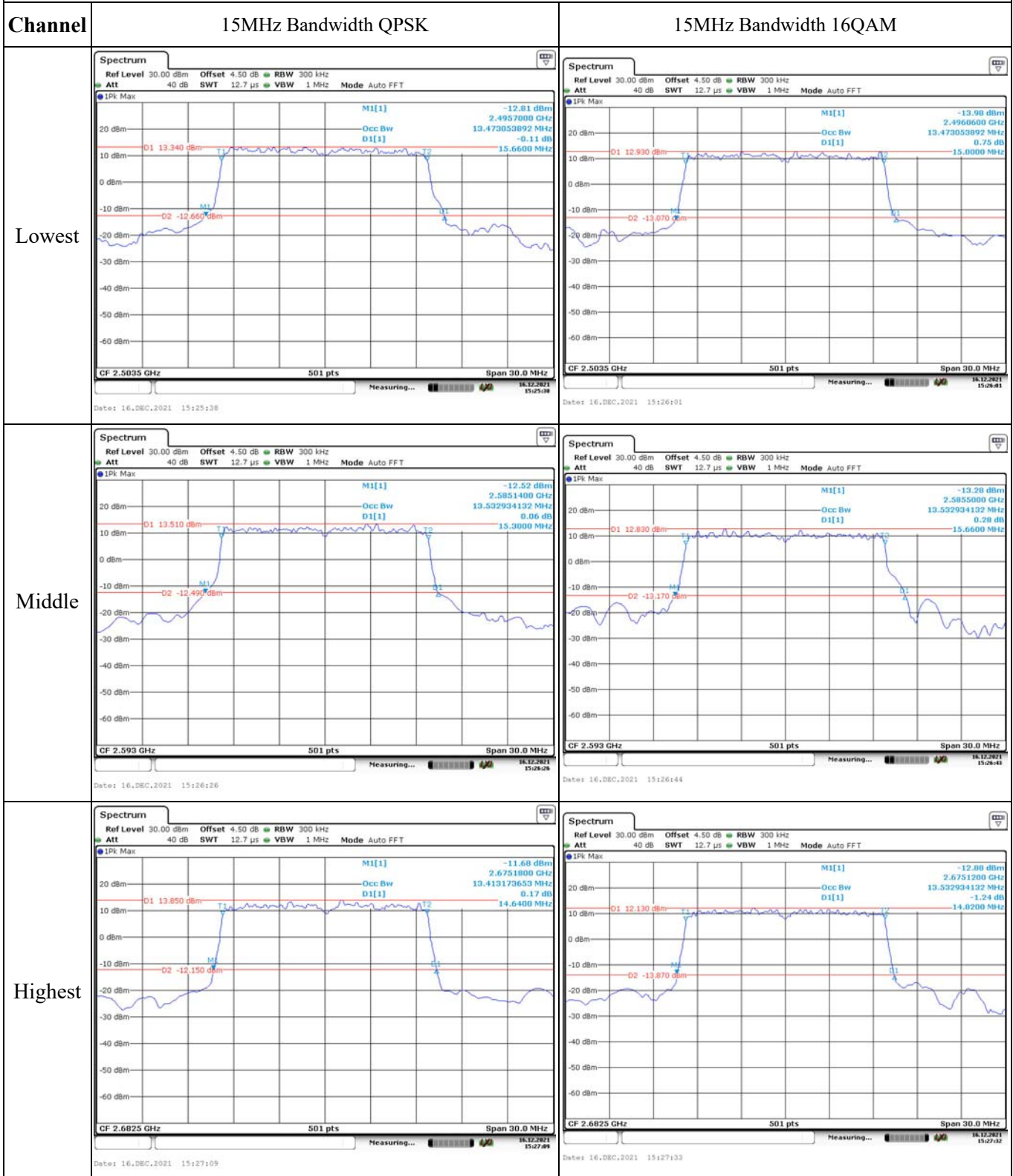
Middle



Highest



### Occupied Bandwidth





### Occupied Bandwidth

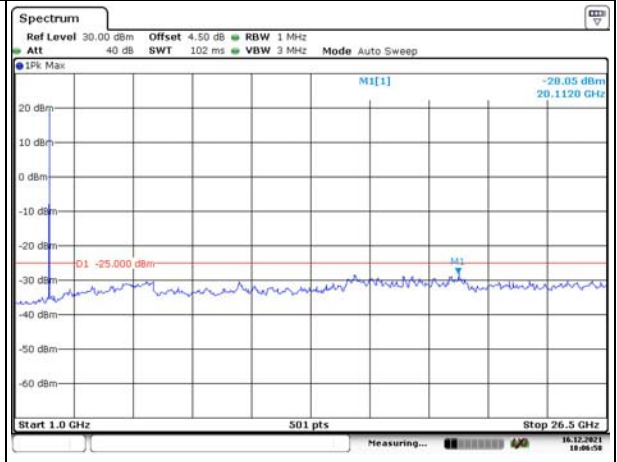
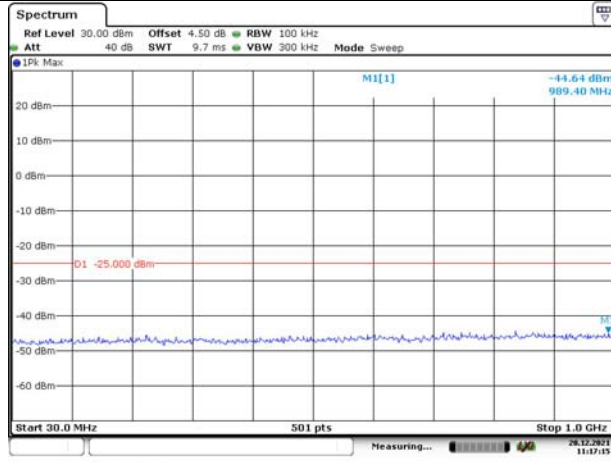
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

### Spurious Emissions at Antenna Terminal

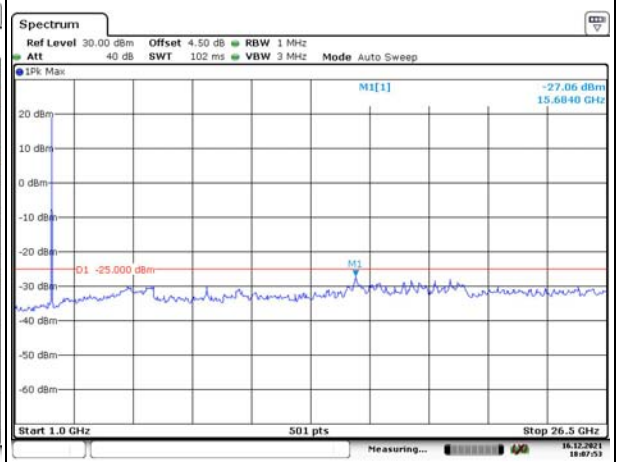
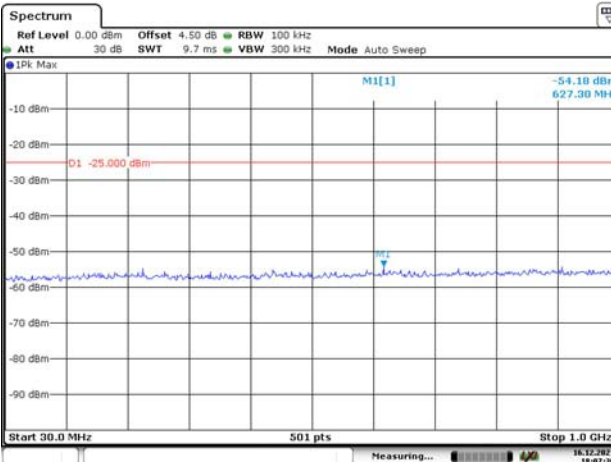
Channel

5MHz Bandwidth QPSK

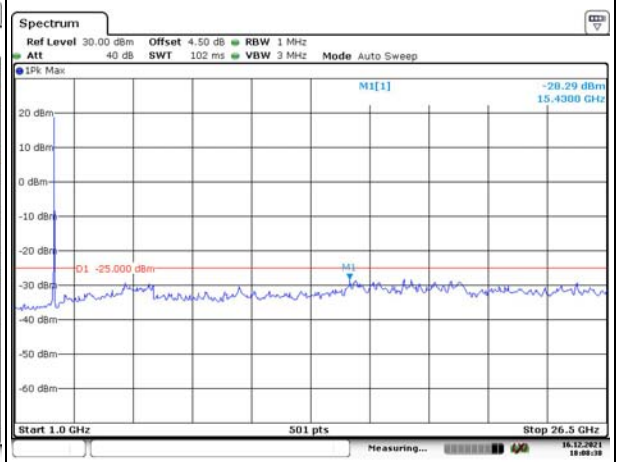
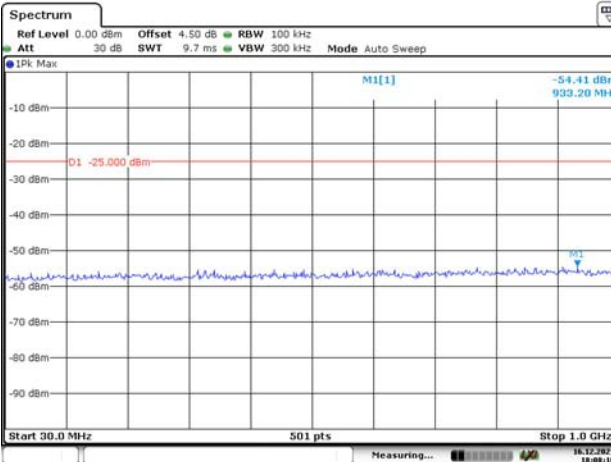
Lowest



Middle



Highest

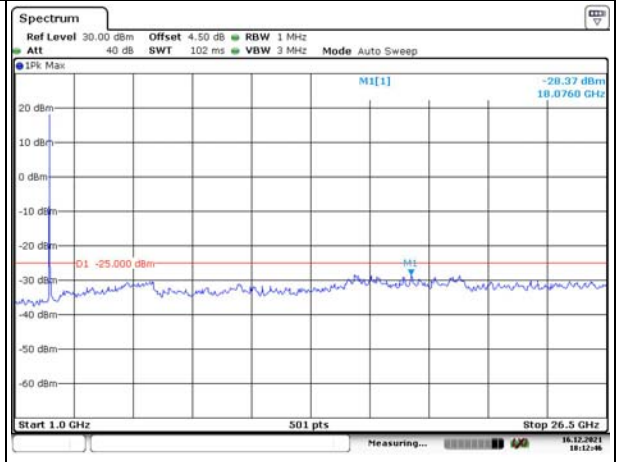
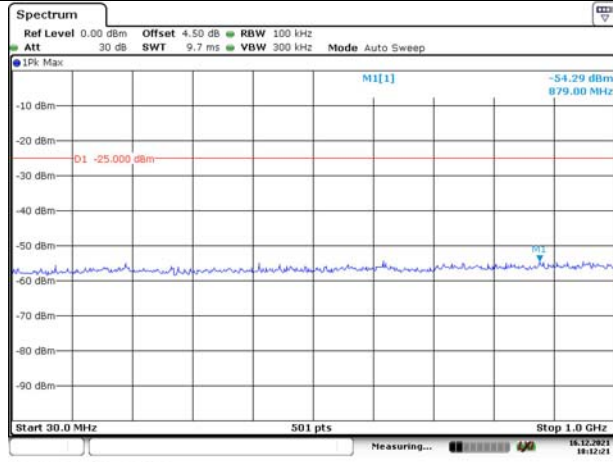


Spurious Emissions at Antenna Terminal

Channel

10MHz Bandwidth QPSK

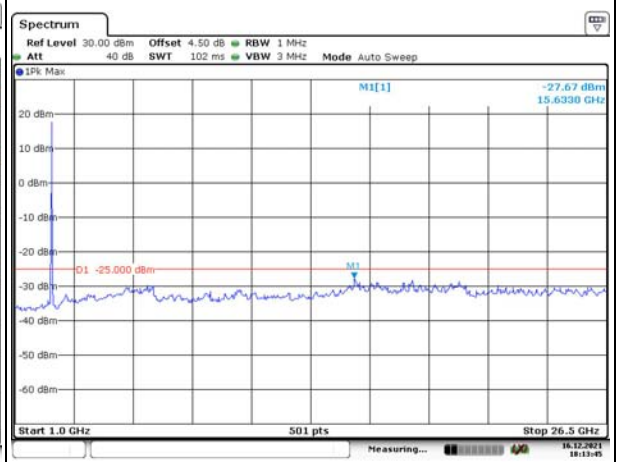
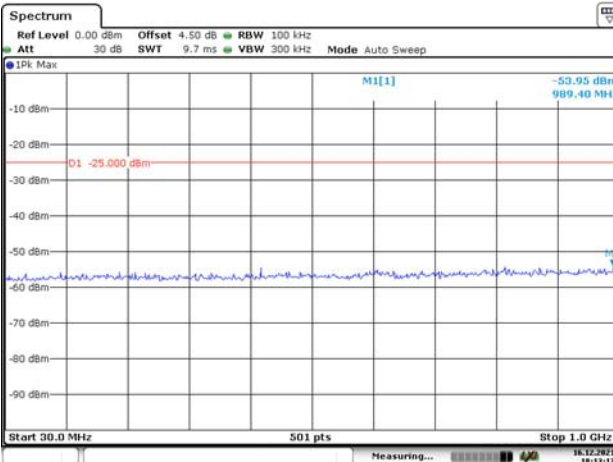
Lowest



Date: 16.DEC.2021 18:12:22

Date: 16.DEC.2021 18:12:46

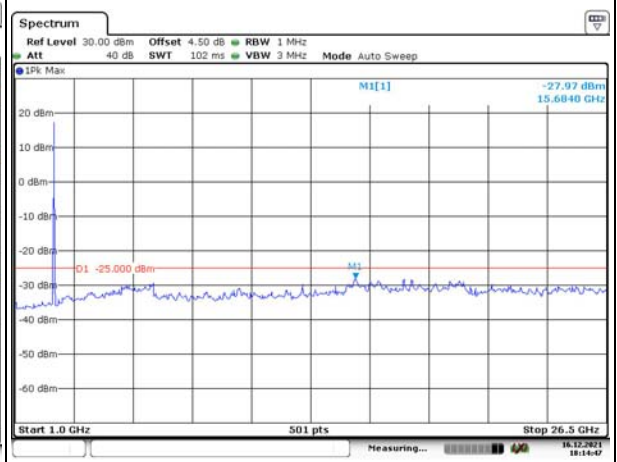
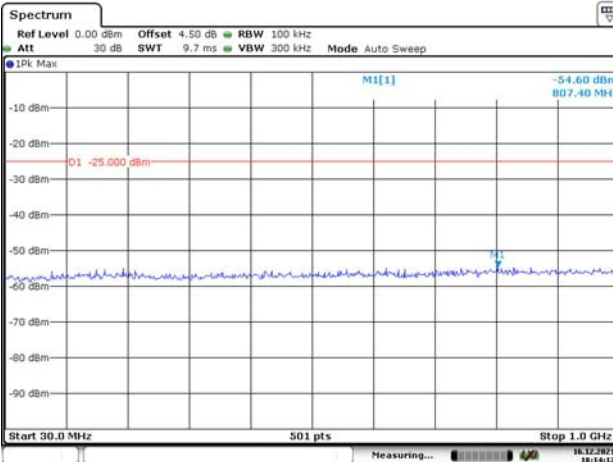
Middle



Date: 16.DEC.2021 18:13:17

Date: 16.DEC.2021 18:13:45

Highest



Date: 16.DEC.2021 18:14:13

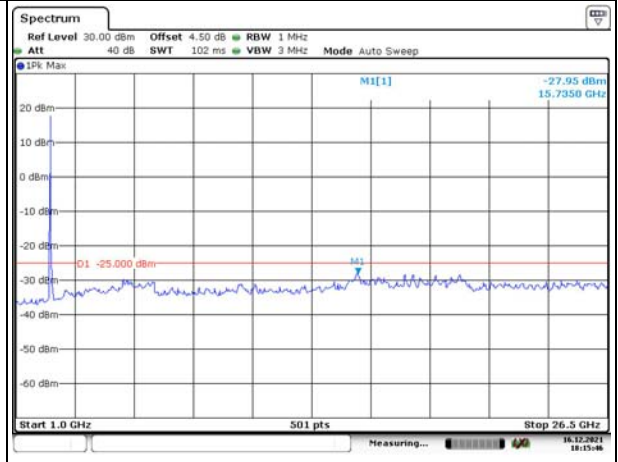
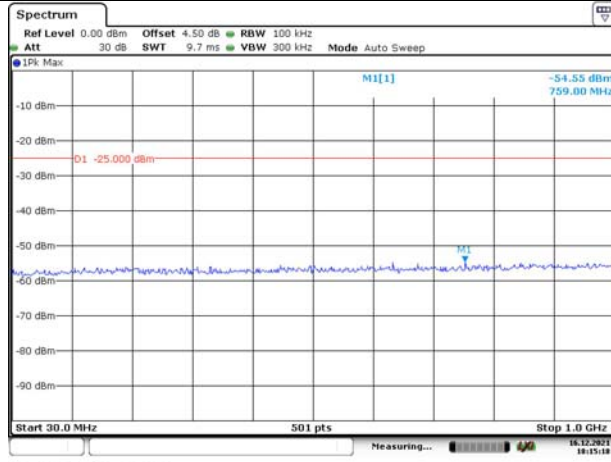
Date: 16.DEC.2021 18:14:47

### Spurious Emissions at Antenna Terminal

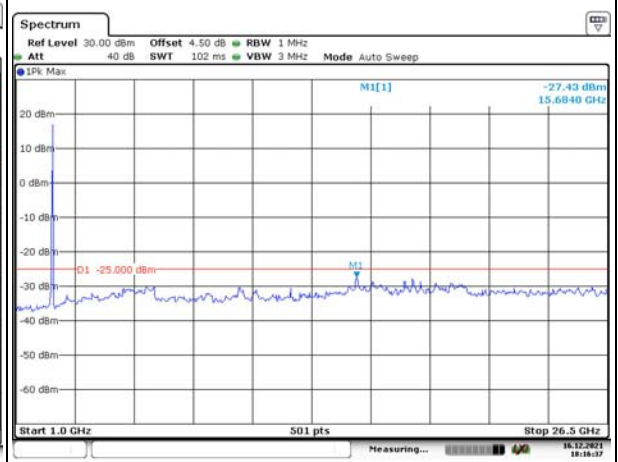
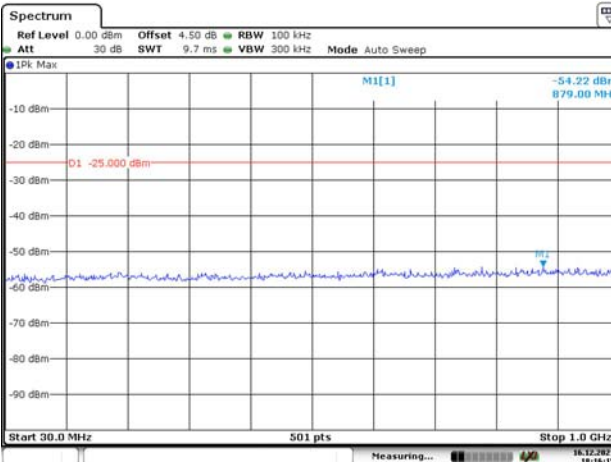
Channel

15MHz Bandwidth QPSK

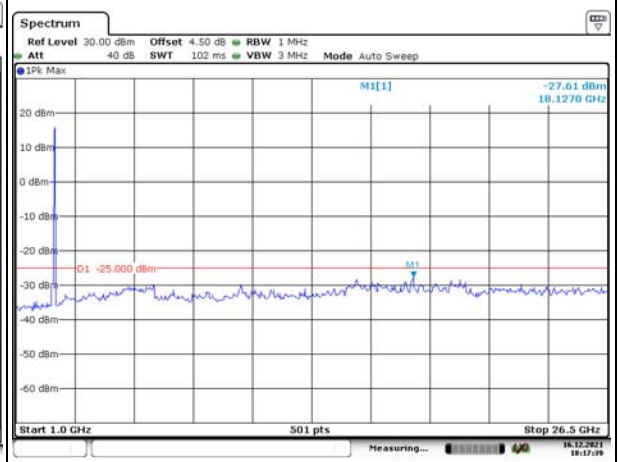
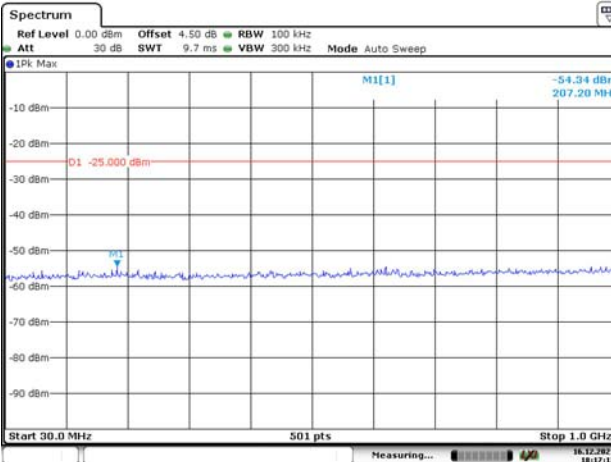
Lowest



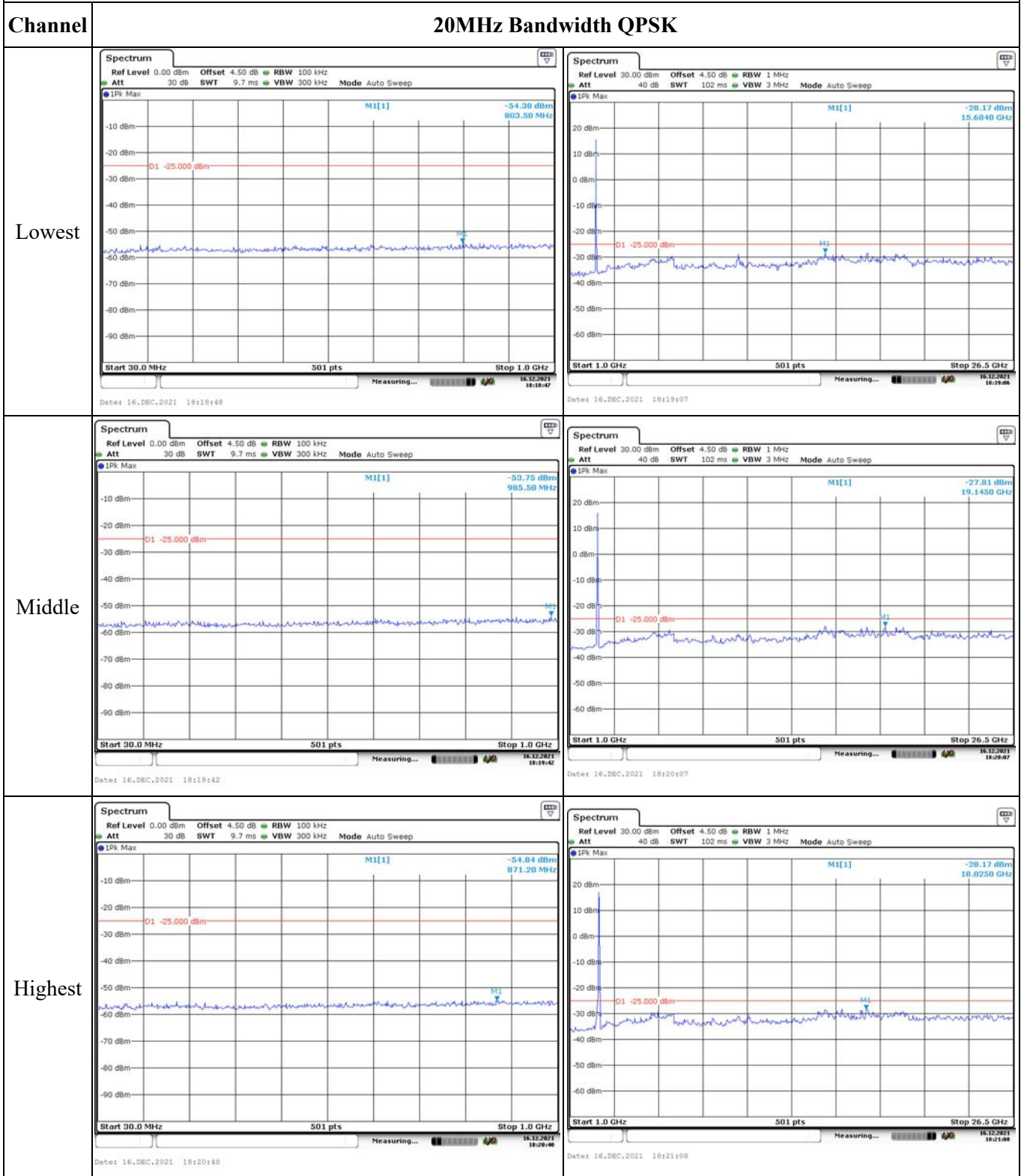
Middle



Highest



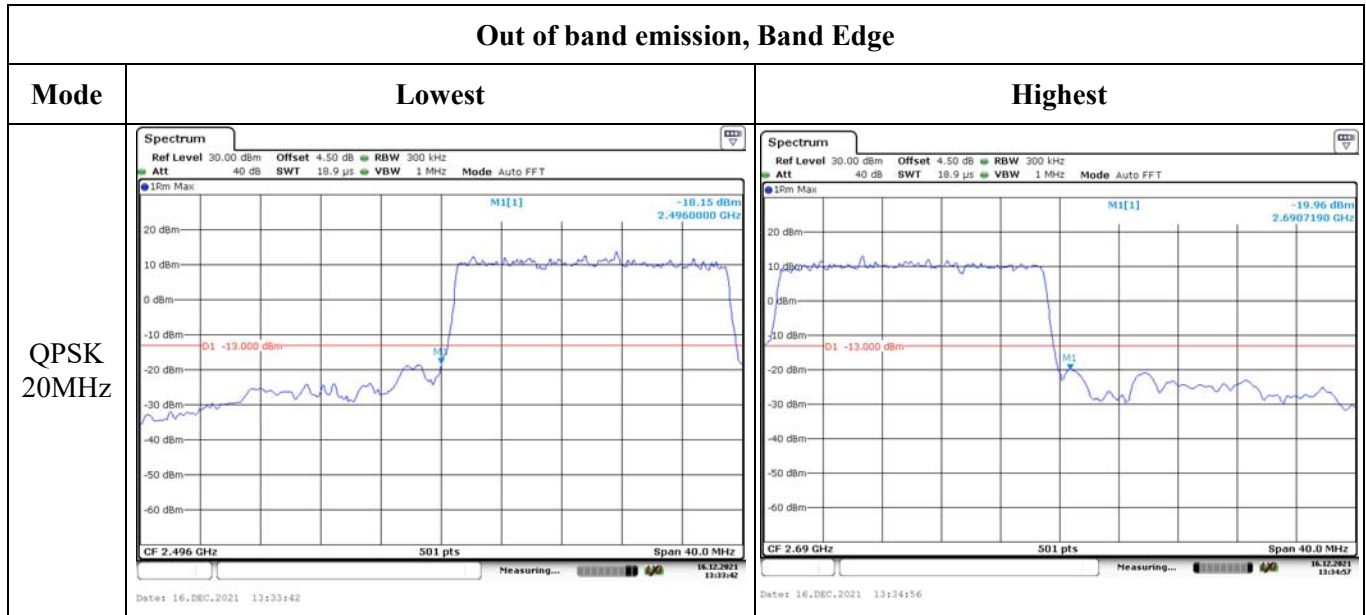
### Spurious Emissions at Antenna Terminal



Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz		
QPSK 10MHz		
QPSK 15MHz		

Out of band emission, Band Edge

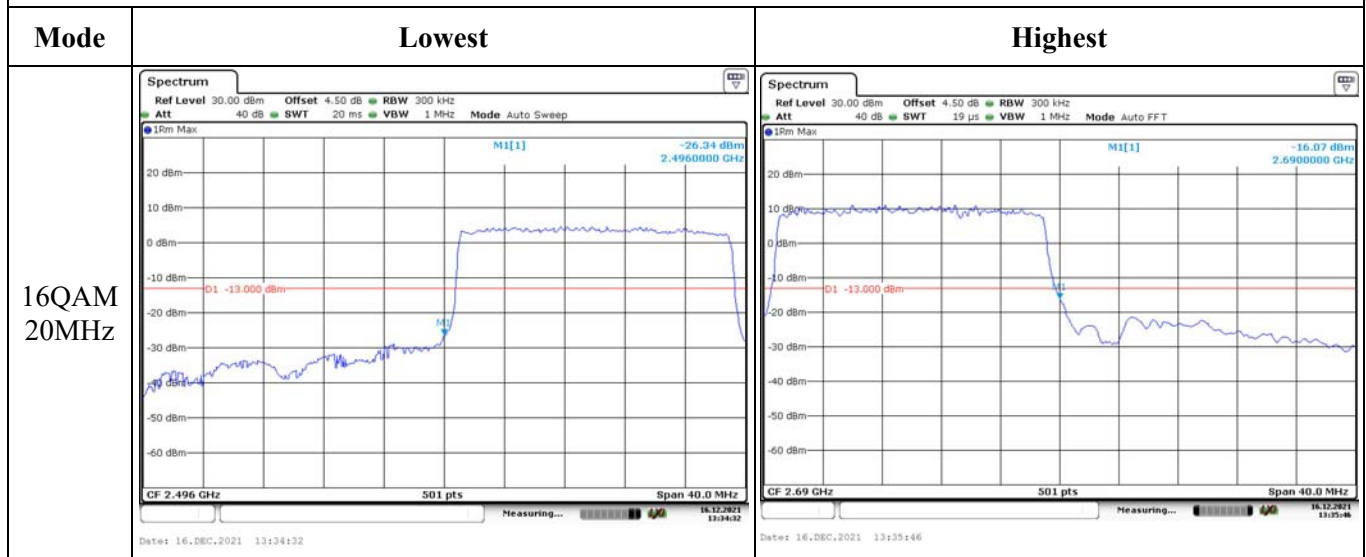


Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz		
16QAM 10MHz		
16QAM 15MHz		



Out of band emission, Band Edge



**4.16 Spurious Emissions**

Serial Number:	CR21100097-RF-S1	Test Date:	2021-11-29~2021-12-4
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Carl Liang	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	21.5	Relative Humidity: (%)	38~62	ATM Pressure: (kPa)	101.4~101.7
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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	2021-07-22	2022-07-21
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2021-07-18	2022-07-17
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2021-07-18	2022-07-17
Sonoma	Amplifier	310N	186165	2021-07-18	2022-07-17
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2021-07-25	2022-07-24
Agilent	Signal Generator	E8247C	MY43321350	2021-04-25	2022-04-24
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
R&S	Spectrum Analyzer	FSV40	101591	2021-07-22	2022-07-21
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2021-08-08	2022-08-07
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2021-08-08	2022-08-07
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021-10-18	2024-10-17
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	2021-11-19	2022-11-18
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2021-08-08	2022-08-07

*\* 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, the worst orientation was photographed and it's data was recorded.

**Test Data:****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:824.2MHz								
1648.40	H	50.88	-53.45	8.68	0.80	-45.57	-13.00	32.57
1648.40	V	50.02	-54.39	8.68	0.80	-46.51	-13.00	33.51
2472.60	H	51.85	-48.93	9.38	1.00	-40.55	-13.00	27.55
2472.60	V	57.54	-43.19	9.38	1.00	-34.81	-13.00	21.81
3296.80	H	34.25	-62.43	10.32	1.15	-53.26	-13.00	40.26
3296.80	V	42.15	-54.29	10.32	1.15	-45.12	-13.00	32.12
357.00	H	24.89	-53.64	0.00	0.36	-54.00	-13.00	41.00
984.00	V	24.71	-39.77	0.00	0.64	-40.41	-13.00	27.41
GSM 850 Frequency:836.6MHz								
1673.20	H	47.62	-56.69	8.71	0.85	-48.83	-13.00	35.83
1673.20	V	41.25	-63.16	8.71	0.85	-55.30	-13.00	42.30
2509.80	H	53.05	-47.56	9.42	1.01	-39.15	-13.00	26.15
2509.80	V	52.41	-48.21	9.42	1.01	-39.80	-13.00	26.80
3346.40	H	36.46	-60.71	10.34	1.16	-51.53	-13.00	38.53
3346.40	V	45.18	-51.85	10.34	1.16	-42.67	-13.00	29.67
657.00	H	24.51	-49.04	0.00	0.52	-49.56	-13.00	36.56
913.00	V	24.95	-40.93	0.00	0.56	-41.49	-13.00	28.49
GSM 850 Frequency:848.8MHz								
1697.60	H	52.59	-51.70	8.74	0.90	-43.86	-13.00	30.86
1697.60	V	52.73	-51.69	8.74	0.90	-43.85	-13.00	30.85
2546.40	H	47.14	-53.19	9.47	1.01	-44.73	-13.00	31.73
2546.40	V	56.22	-44.06	9.47	1.01	-35.60	-13.00	22.60
3395.20	H	38.85	-58.84	10.36	1.19	-49.67	-13.00	36.67
3395.20	V	46.00	-51.66	10.36	1.19	-42.49	-13.00	29.49
833.00	H	24.36	-46.11	0.00	0.64	-46.75	-13.00	33.75
352.00	V	25.97	-50.54	0.00	0.36	-50.90	-13.00	37.90

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
1652.80	H	36.84	-67.49	8.68	0.81	-59.62	-13.00	46.62
1652.80	V	36.01	-68.40	8.68	0.81	-60.53	-13.00	47.53
2479.20	H	34.26	-66.50	9.39	1.01	-58.12	-13.00	45.12
2479.20	V	34.36	-66.37	9.39	1.01	-57.99	-13.00	44.99
3305.60	H	35.86	-60.87	10.32	1.15	-51.70	-13.00	38.70
3305.60	V	36.54	-59.96	10.32	1.15	-50.79	-13.00	37.79
795.00	H	24.51	-46.89	0.00	0.61	-47.50	-13.00	34.50
794.00	V	23.94	-43.93	0.00	0.61	-44.54	-13.00	31.54
WCDMA Band 5 Frequency:836.6MHz								
1673.20	H	36.65	-67.66	8.71	0.85	-59.80	-13.00	46.80
1673.20	V	36.04	-68.37	8.71	0.85	-60.51	-13.00	47.51
2509.80	H	35.76	-64.85	9.42	1.01	-56.44	-13.00	43.44
2509.80	V	37.95	-62.67	9.42	1.01	-54.26	-13.00	41.26
3346.40	H	34.82	-62.35	10.34	1.16	-53.17	-13.00	40.17
3346.40	V	34.53	-62.50	10.34	1.16	-53.32	-13.00	40.32
742.00	H	27.95	-44.52	0.00	0.55	-45.07	-13.00	32.07
752.00	V	24.12	-44.67	0.00	0.53	-45.20	-13.00	32.20
WCDMA Band 5 Frequency:846.6MHz								
1693.20	H	36.19	-68.11	8.73	0.89	-60.27	-13.00	47.27
1693.20	V	35.96	-68.46	8.73	0.89	-60.62	-13.00	47.62
2539.80	H	36.25	-64.13	9.46	1.01	-55.68	-13.00	42.68
2539.80	V	35.58	-64.76	9.46	1.01	-56.31	-13.00	43.31
3386.40	H	34.15	-63.44	10.35	1.18	-54.27	-13.00	41.27
3386.40	V	34.45	-63.09	10.35	1.18	-53.92	-13.00	40.92
763.00	H	26.54	-45.51	0.00	0.53	-46.04	-13.00	33.04
798.00	V	24.57	-43.21	0.00	0.59	-43.80	-13.00	30.80

## PCS Band (PART 24E)

## 30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
3700.40	H	33.98	-63.34	10.60	1.25	-53.99	-13.00	40.99
3700.40	V	38.86	-58.44	10.60	1.25	-49.09	-13.00	36.09
5550.60	H	39.68	-53.58	11.44	1.49	-43.63	-13.00	30.63
5550.60	V	43.67	-49.43	11.44	1.49	-39.48	-13.00	26.48
900.00	H	44.65	-54.65	0.00	0.63	-55.28	-13.00	42.28
64.35	V	32.49	-72.04	-7.99	0.14	-80.17	-13.00	67.17
GSM 1900 Frequency:1880MHz								
3760.00	H	35.76	-60.65	10.66	1.24	-51.23	-13.00	38.23
3760.00	V	37.84	-58.45	10.66	1.24	-49.03	-13.00	36.03
5640.00	H	37.15	-56.30	11.33	1.54	-46.51	-13.00	33.51
5640.00	V	39.55	-53.78	11.33	1.54	-43.99	-13.00	30.99
233.00	H	35.34	-76.90	0.00	0.29	-77.19	-13.00	64.19
175.00	V	32.68	-76.74	0.00	0.25	-76.99	-13.00	63.99
GSM 1900 Frequency:1909.8MHz								
3819.60	H	40.78	-55.08	10.72	1.29	-45.65	-13.00	32.65
3819.60	V	41.48	-54.24	10.72	1.29	-44.81	-13.00	31.81
5729.40	H	38.66	-54.82	11.22	1.59	-45.19	-13.00	32.19
5729.40	V	37.65	-55.71	11.22	1.59	-46.08	-13.00	33.08
104.00	H	33.95	-78.36	0.00	0.19	-78.55	-13.00	65.55
173.00	V	37.52	-71.76	0.00	0.24	-72.00	-13.00	59.00

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
3704.80	H	35.68	-61.58	10.60	1.25	-52.23	-13.00	39.23
3704.80	V	36.34	-60.89	10.60	1.25	-51.54	-13.00	38.54
5557.20	H	34.58	-58.70	11.43	1.49	-48.76	-13.00	35.76
5557.20	V	35.33	-57.80	11.43	1.49	-47.86	-13.00	34.86
854.00	H	31.65	-69.04	0.00	0.57	-69.61	-13.00	56.61
65.00	V	39.25	-65.06	-7.65	0.14	-72.85	-13.00	59.85
WCDMA Band II, Frequency:1880 MHz								
3760.00	H	35.67	-60.74	10.66	1.24	-51.32	-13.00	38.32
3760.00	V	35.16	-61.13	10.66	1.24	-51.71	-13.00	38.71
5640.00	H	33.96	-59.49	11.33	1.54	-49.70	-13.00	36.70
5640.00	V	34.58	-58.75	11.33	1.54	-48.96	-13.00	35.96
214.00	H	38.85	-73.76	0.00	0.27	-74.03	-13.00	61.03
40.00	V	33.85	-55.97	-26.40	0.11	-82.48	-13.00	69.48
WCDMA Band II, Frequency:1907.6MHz								
3815.20	H	34.75	-61.10	10.72	1.29	-51.67	-13.00	38.67
3815.20	V	35.19	-60.50	10.72	1.29	-51.07	-13.00	38.07
5722.80	H	33.84	-59.65	11.23	1.58	-50.00	-13.00	37.00
5722.80	V	34.75	-58.60	11.23	1.58	-48.95	-13.00	35.95
801.00	H	36.94	-65.36	0.00	0.58	-65.94	-13.00	52.94
65.82	V	36.12	-67.91	-7.22	0.15	-75.28	-13.00	62.28

## AWS Band (PART 27)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV, Frequency:1712.4 MHz								
3424.80	H	35.26	-62.51	10.37	1.17	-53.31	-13.00	40.31
3424.80	V	36.26	-61.48	10.37	1.17	-52.28	-13.00	39.28
5137.20	H	33.69	-59.93	11.28	1.46	-50.11	-13.00	37.11
5137.20	V	34.16	-59.34	11.28	1.46	-49.52	-13.00	36.52
938.00	H	30.95	-67.20	0.00	0.65	-67.85	-13.00	54.85
65.82	V	38.84	-65.19	-7.22	0.15	-72.56	-13.00	59.56
WCDMA Band IV, Frequency:1732.6 MHz								
3465.20	H	35.62	-62.19	10.39	1.15	-52.95	-13.00	39.95
3465.20	V	35.30	-62.47	10.39	1.15	-53.23	-13.00	40.23
5197.80	H	34.42	-59.71	11.32	1.44	-49.83	-13.00	36.83
5197.80	V	34.68	-59.30	11.32	1.44	-49.42	-13.00	36.42
154.00	H	30.69	-81.12	0.00	0.23	-81.35	-13.00	68.35
65.80	V	38.71	-65.33	-7.23	0.15	-72.71	-13.00	59.71
WCDMA Band IV, Frequency:1752.6MHz								
3505.20	H	35.96	-61.87	10.41	1.18	-52.64	-13.00	39.64
3505.20	V	34.85	-62.92	10.41	1.18	-53.69	-13.00	40.69
5257.80	H	34.95	-58.78	11.35	1.47	-48.90	-13.00	35.90
5257.80	V	34.26	-59.25	11.35	1.47	-49.37	-13.00	36.37
398.00	H	30.97	-78.27	0.00	0.39	-78.66	-13.00	65.66
65.80	V	39.15	-64.89	-7.23	0.15	-72.27	-13.00	59.27



**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								
3701.40	H	34.93	-62.38	10.60	1.25	-53.03	-13.00	40.03
3701.40	V	35.26	-62.03	10.60	1.25	-52.68	-13.00	39.68
5552.10	H	34.66	-58.61	11.44	1.49	-48.66	-13.00	35.66
5552.10	V	34.22	-58.88	11.44	1.49	-48.93	-13.00	35.93
781.00	H	29.64	-73.12	0.00	0.54	-73.66	-13.00	60.66
65.80	V	40.38	-63.66	-7.23	0.15	-71.04	-13.00	58.04
QPSK, Frequency: 1880 MHz								
3760.00	H	35.42	-60.99	10.66	1.24	-51.57	-13.00	38.57
3760.00	V	36.34	-59.95	10.66	1.24	-50.53	-13.00	37.53
5640.00	H	34.89	-58.56	11.33	1.54	-48.77	-13.00	35.77
5640.00	V	34.52	-58.81	11.33	1.54	-49.02	-13.00	36.02
491.00	H	30.45	-76.62	0.00	0.44	-77.06	-13.00	64.06
65.80	V	39.67	-64.37	-7.23	0.15	-71.75	-13.00	58.75
QPSK, Frequency: 1909.3 MHz								
3818.60	H	34.76	-61.10	10.72	1.29	-51.67	-13.00	38.67
3818.60	V	34.92	-60.79	10.72	1.29	-51.36	-13.00	38.36
5727.90	H	34.45	-59.03	11.23	1.59	-49.39	-13.00	36.39
5727.90	V	34.63	-58.73	11.23	1.59	-49.09	-13.00	36.09
445.00	H	30.97	-77.18	0.00	0.43	-77.61	-13.00	64.61
65.00	V	39.87	-64.44	-7.65	0.14	-72.23	-13.00	59.23

**LTE Band 4 (30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1710.7 MHz								
3421.40	H	36.30	-61.46	10.37	1.17	-52.26	-13.00	39.26
3421.40	V	35.76	-61.97	10.37	1.17	-52.77	-13.00	39.77
5132.10	H	34.19	-59.38	11.28	1.47	-49.57	-13.00	36.57
5132.10	V	34.17	-59.29	11.28	1.47	-49.48	-13.00	36.48
476.00	H	30.71	-76.71	0.00	0.42	-77.13	-13.00	64.13
65.80	V	40.15	-63.89	-7.23	0.15	-71.27	-13.00	58.27
QPSK, Frequency: 1732.5 MHz								
3465.00	H	35.69	-62.12	10.39	1.15	-52.88	-13.00	39.88
3465.00	V	34.97	-62.80	10.39	1.15	-53.56	-13.00	40.56
5197.50	H	34.28	-59.85	11.32	1.44	-49.97	-13.00	36.97
5197.50	V	35.03	-58.95	11.32	1.44	-49.07	-13.00	36.07
109.00	H	42.36	-69.88	0.00	0.19	-70.07	-13.00	57.07
65.80	V	38.95	-65.09	-7.23	0.15	-72.47	-13.00	59.47
QPSK, Frequency: 1754.3 MHz								
3505.20	H	35.62	-62.21	10.41	1.18	-52.98	-13.00	39.98
3505.20	V	35.18	-62.59	10.41	1.18	-53.36	-13.00	40.36
5257.80	H	33.69	-60.04	11.35	1.47	-50.16	-13.00	37.16
5257.80	V	34.78	-58.73	11.35	1.47	-48.85	-13.00	35.85
847.00	H	30.64	-70.27	0.00	0.57	-70.84	-13.00	57.84
65.80	V	38.74	-65.30	-7.23	0.15	-72.68	-13.00	59.68

**LTE Band 5(30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 824.7 MHz								
1649.40	H	35.62	-68.71	8.68	0.80	-60.83	-13.00	47.83
1649.40	V	36.17	-68.24	8.68	0.80	-60.36	-13.00	47.36
2474.10	H	35.22	-65.56	9.38	1.00	-57.18	-13.00	44.18
2474.10	V	35.52	-65.21	9.38	1.00	-56.83	-13.00	43.83
3298.80	H	35.49	-61.19	10.32	1.15	-52.02	-13.00	39.02
3298.80	V	34.45	-61.99	10.32	1.15	-52.82	-13.00	39.82
578.00	H	30.64	-74.62	0.00	0.46	-75.08	-13.00	62.08
65.80	V	41.21	-62.83	-7.23	0.15	-70.21	-13.00	57.21
QPSK, Frequency: 836.5 MHz								
1673.00	H	36.27	-68.04	8.71	0.85	-60.18	-13.00	47.18
1673.00	V	36.36	-68.05	8.71	0.85	-60.19	-13.00	47.19
2509.50	H	35.21	-65.40	9.42	1.01	-56.99	-13.00	43.99
2509.50	V	35.09	-65.53	9.42	1.01	-57.12	-13.00	44.12
3346.00	H	34.58	-62.58	10.34	1.16	-53.40	-13.00	40.40
3346.00	V	35.09	-61.93	10.34	1.16	-52.75	-13.00	39.75
969.00	H	31.57	-65.65	0.00	0.58	-66.23	-13.00	53.23
173.00	V	48.44	-60.84	0.00	0.24	-61.08	-13.00	48.08
QPSK, Frequency: 848.3 MHz								
1696.60	H	36.02	-68.27	8.74	0.89	-60.42	-13.00	47.42
1696.60	V	35.87	-68.55	8.74	0.89	-60.70	-13.00	47.70
2544.90	H	35.67	-64.67	9.47	1.01	-56.21	-13.00	43.21
2544.90	V	35.46	-64.84	9.47	1.01	-56.38	-13.00	43.38
3393.20	H	34.72	-62.95	10.36	1.19	-53.78	-13.00	40.78
3393.20	V	34.85	-62.78	10.36	1.19	-53.61	-13.00	40.61
246.00	H	32.19	-79.79	0.00	0.30	-80.09	-13.00	67.09
136.00	V	46.19	-61.35	0.00	0.22	-61.57	-13.00	48.57

**LTE Band 7(30MHz-26.5GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2502.5 MHz								
5005.00	H	35.96	-57.00	11.20	1.47	-47.27	-25.00	22.27
5005.00	V	34.47	-58.35	11.20	1.47	-48.62	-25.00	23.62
7507.50	H	33.65	-56.14	10.90	1.95	-47.19	-25.00	22.19
7507.50	V	33.84	-56.45	10.90	1.95	-47.50	-25.00	22.50
469.00	H	30.14	-77.45	0.00	0.43	-77.88	-25.00	52.88
68.00	V	42.22	-61.07	-6.06	0.15	-67.28	-25.00	42.28
QPSK, Frequency: 2535 MHz								
5070.00	H	36.34	-56.85	11.24	1.47	-47.08	-25.00	22.08
5070.00	V	34.25	-58.84	11.24	1.47	-49.07	-25.00	24.07
7605.00	H	33.08	-56.39	10.88	2.01	-47.52	-25.00	22.52
7605.00	V	33.87	-56.32	10.88	2.01	-47.45	-25.00	22.45
658.00	H	30.66	-74.03	0.00	0.51	-74.54	-25.00	49.54
68.00	V	42.57	-60.72	-6.06	0.15	-66.93	-25.00	41.93
QPSK, Frequency: 2567.5 MHz								
5135.00	H	34.47	-59.13	11.28	1.47	-49.32	-25.00	24.32
5135.00	V	34.54	-58.95	11.28	1.47	-49.14	-25.00	24.14
7702.50	H	33.79	-55.73	10.86	1.97	-46.84	-25.00	21.84
7702.50	V	34.02	-56.16	10.86	1.97	-47.27	-25.00	22.27
478.00	H	30.64	-76.74	0.00	0.41	-77.15	-25.00	52.15
65.00	V	43.21	-61.10	-7.65	0.14	-68.89	-25.00	43.89

**LTE Band 12(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: 699.7 MHz								
1399.40	H	36.15	-67.55	8.22	0.71	-60.04	-13.00	47.04
1399.40	V	37.25	-66.50	8.22	0.71	-58.99	-13.00	45.99
2099.10	H	35.07	-66.81	9.16	0.91	-58.56	-13.00	45.56
2099.10	V	35.99	-65.84	9.16	0.91	-57.59	-13.00	44.59
2798.80	H	35.52	-64.41	9.88	1.04	-55.57	-13.00	42.57
2798.80	V	35.79	-64.01	9.88	1.04	-55.17	-13.00	42.17
136.00	H	35.26	-77.00	0.00	0.22	-77.22	-13.00	64.22
193.00	V	44.65	-64.82	0.00	0.26	-65.08	-13.00	52.08
QPSK, Frequency:707.5 MHz								
1415.00	H	36.75	-66.92	8.26	0.72	-59.38	-13.00	46.38
1415.00	V	36.25	-67.47	8.26	0.72	-59.93	-13.00	46.93
2122.50	H	37.15	-64.84	9.17	0.92	-56.59	-13.00	43.59
2122.50	V	34.85	-67.12	9.17	0.92	-58.87	-13.00	45.87
2830.00	H	35.62	-64.18	9.93	1.06	-55.31	-13.00	42.31
2830.00	V	35.18	-64.55	9.93	1.06	-55.68	-13.00	42.68
206.00	H	41.95	-70.82	0.00	0.26	-71.08	-13.00	58.08
136.00	V	42.68	-64.86	0.00	0.22	-65.08	-13.00	52.08
QPSK, Frequency: 715.3 MHz								
1430.60	H	36.28	-67.35	8.31	0.73	-59.77	-13.00	46.77
1430.60	V	37.07	-66.62	8.31	0.73	-59.04	-13.00	46.04
2145.90	H	36.32	-65.78	9.19	0.93	-57.52	-13.00	44.52
2145.90	V	35.52	-66.59	9.19	0.93	-58.33	-13.00	45.33
2861.20	H	35.98	-63.67	9.98	1.07	-54.76	-13.00	41.76
2861.20	V	35.96	-63.71	9.98	1.07	-54.80	-13.00	41.80
136.00	H	38.99	-73.27	0.00	0.22	-73.49	-13.00	60.49
136.00	V	46.52	-61.02	0.00	0.22	-61.24	-13.00	48.24

**LTE Band 13(30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 779.5 MHz								
1559.00	H	35.84	-68.15	8.57	0.80	-60.38	-40.00	20.38
1559.00	V	36.64	-67.41	8.57	0.80	-59.64	-40.00	19.64
2338.50	H	35.42	-66.17	9.30	0.97	-57.84	-13.00	44.84
2338.50	V	34.81	-66.55	9.30	0.97	-58.22	-13.00	45.22
3118.00	H	36.56	-60.93	10.25	1.13	-51.81	-13.00	38.81
3118.00	V	36.15	-61.20	10.25	1.13	-52.08	-13.00	39.08
136.00	H	34.25	-78.01	0.00	0.22	-78.23	-13.00	65.23
136.00	V	45.03	-62.51	0.00	0.22	-62.73	-13.00	49.73
QPSK, Frequency: 782 MHz								
1569.00	H	36.78	-67.30	8.58	0.81	-59.53	-40.00	19.53
1569.00	V	36.58	-67.55	8.58	0.81	-59.78	-40.00	19.78
2353.50	H	36.15	-65.30	9.31	0.97	-56.96	-13.00	43.96
2353.50	V	35.69	-65.53	9.31	0.97	-57.19	-13.00	44.19
3138.00	H	35.17	-62.23	10.26	1.14	-53.11	-13.00	40.11
3138.00	V	36.65	-60.58	10.26	1.14	-51.46	-13.00	38.46
136.00	H	35.16	-77.10	0.00	0.22	-77.32	-13.00	64.32
136.00	V	43.68	-63.86	0.00	0.22	-64.08	-13.00	51.08

**LTE Band 17(30MHz-20GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 706.5 MHz								
1413.00	H	37.14	-66.53	8.26	0.72	-58.99	-13.00	45.99
1413.00	V	36.55	-67.17	8.26	0.72	-59.63	-13.00	46.63
2119.50	H	35.52	-66.45	9.17	0.92	-58.20	-13.00	45.20
2119.50	V	35.36	-66.59	9.17	0.92	-58.34	-13.00	45.34
2826.00	H	36.43	-63.38	9.92	1.06	-54.52	-13.00	41.52
2826.00	V	35.18	-64.56	9.92	1.06	-55.70	-13.00	42.70
771.00	H	29.34	-73.65	0.00	0.55	-74.20	-13.00	61.20
136.00	V	45.92	-61.62	0.00	0.22	-61.84	-13.00	48.84
QPSK, Frequency: 710 MHz								
1420.00	H	35.96	-67.70	8.28	0.73	-60.15	-13.00	47.15
1420.00	V	36.02	-67.69	8.28	0.73	-60.14	-13.00	47.14
2130.00	H	36.04	-65.98	9.18	0.92	-57.72	-13.00	44.72
2130.00	V	35.74	-66.27	9.18	0.92	-58.01	-13.00	45.01
2840.00	H	35.72	-64.03	9.94	1.06	-55.15	-13.00	42.15
2840.00	V	35.58	-64.13	9.94	1.06	-55.25	-13.00	42.25
892.00	H	36.94	-62.60	0.00	0.65	-63.25	-13.00	50.25
65.00	V	38.71	-65.60	-7.65	0.14	-73.39	-13.00	60.39
QPSK, Frequency: 713.5 MHz								
1427.00	H	37.63	-66.01	8.30	0.73	-58.44	-13.00	45.44
1427.00	V	36.78	-66.91	8.30	0.73	-59.34	-13.00	46.34
2140.50	H	34.78	-67.29	9.18	0.93	-59.04	-13.00	46.04
2140.50	V	35.39	-66.69	9.18	0.93	-58.44	-13.00	45.44
2854.00	H	35.46	-64.23	9.97	1.07	-55.33	-13.00	42.33
2854.00	V	35.37	-64.31	9.97	1.07	-55.41	-13.00	42.41
745.00	H	30.06	-73.52	0.00	0.55	-74.07	-13.00	61.07
136.00	V	44.35	-63.19	0.00	0.22	-63.41	-13.00	50.41

**LTE Band 25(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								
3701.40	H	35.66	-61.65	10.60	1.25	-52.30	-13.00	39.30
3701.40	V	35.43	-61.86	10.60	1.25	-52.51	-13.00	39.51
5552.10	H	35.63	-57.64	11.44	1.49	-47.69	-13.00	34.69
5552.10	V	34.79	-58.31	11.44	1.49	-48.36	-13.00	35.36
7402.80	H	33.42	-55.81	10.96	2.06	-46.91	-13.00	33.91
7402.80	V	33.53	-56.46	10.96	2.06	-47.56	-13.00	34.56
249.00	H	36.87	-75.05	0.00	0.30	-75.35	-13.00	62.35
65.00	V	39.65	-64.66	-7.65	0.14	-72.45	-13.00	59.45
QPSK, Frequency: 1882.5 MHz								
3765.00	H	34.54	-61.79	10.67	1.25	-52.37	-13.00	39.37
3765.00	V	35.51	-60.70	10.67	1.25	-51.28	-13.00	38.28
5647.50	H	36.07	-57.38	11.32	1.55	-47.61	-13.00	34.61
5647.50	V	34.94	-58.39	11.32	1.55	-48.62	-13.00	35.62
7530.00	H	33.38	-56.34	10.89	1.96	-47.41	-13.00	34.41
7530.00	V	33.45	-56.82	10.89	1.96	-47.89	-13.00	34.89
37.00	H	34.65	-45.52	-24.96	0.12	-70.60	-13.00	57.60
889.00	V	43.25	-53.43	0.00	0.63	-54.06	-13.00	41.06
QPSK, Frequency: 1914.3 MHz								
3828.60	H	34.66	-61.24	10.73	1.28	-51.79	-13.00	38.79
3828.60	V	34.84	-60.93	10.73	1.28	-51.48	-13.00	38.48
5742.90	H	34.90	-58.58	11.21	1.60	-48.97	-13.00	35.97
5742.90	V	35.35	-58.01	11.21	1.60	-48.40	-13.00	35.40
7657.20	H	33.92	-55.58	10.87	2.06	-46.77	-13.00	33.77
7657.20	V	34.21	-55.98	10.87	2.06	-47.17	-13.00	34.17
467.00	H	30.57	-77.07	0.00	0.42	-77.49	-13.00	64.49
65.00	V	40.25	-64.06	-7.65	0.14	-71.85	-13.00	58.85



**LTE Band 26(30MHz-10GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 814.7 MHz								
1629.40	H	35.72	-68.63	8.66	0.81	-60.78	-13.00	47.78
1629.40	V	36.18	-68.23	8.66	0.81	-60.38	-13.00	47.38
2444.10	H	35.94	-64.95	9.37	1.00	-56.58	-13.00	43.58
2444.10	V	34.69	-66.06	9.37	1.00	-57.69	-13.00	44.69
3258.80	H	35.03	-61.83	10.30	1.17	-52.70	-13.00	39.70
3258.80	V	33.91	-62.70	10.30	1.17	-53.57	-13.00	40.57
745.00	H	30.54	-73.04	0.00	0.55	-73.59	-13.00	60.59
68.00	V	43.62	-59.67	-6.06	0.15	-65.88	-13.00	52.88
QPSK, Frequency:831.5 MHz								
1663.00	H	36.64	-67.68	8.70	0.83	-59.81	-13.00	46.81
1663.00	V	35.87	-68.54	8.70	0.83	-60.67	-13.00	47.67
2494.50	H	34.60	-66.10	9.40	1.01	-57.71	-13.00	44.71
2494.50	V	35.22	-65.49	9.40	1.01	-57.10	-13.00	44.10
3326.00	H	34.85	-62.10	10.33	1.16	-52.93	-13.00	39.93
3326.00	V	35.63	-61.14	10.33	1.16	-51.97	-13.00	38.97
136.00	H	34.21	-78.05	0.00	0.22	-78.27	-13.00	65.27
136.00	V	43.58	-63.96	0.00	0.22	-64.18	-13.00	51.18
QPSK, Frequency: 848.3 MHz								
1696.60	H	36.54	-67.75	8.74	0.89	-59.90	-13.00	46.90
1696.60	V	36.13	-68.29	8.74	0.89	-60.44	-13.00	47.44
2544.90	H	35.34	-65.00	9.47	1.01	-56.54	-13.00	43.54
2544.90	V	35.42	-64.88	9.47	1.01	-56.42	-13.00	43.42
3393.20	H	34.60	-63.07	10.36	1.19	-53.90	-13.00	40.90
3393.20	V	35.44	-62.19	10.36	1.19	-53.02	-13.00	40.02
136.00	H	30.75	-81.51	0.00	0.22	-81.73	-13.00	68.73
136.00	V	44.25	-63.29	0.00	0.22	-63.51	-13.00	50.51

**LTE Band 41(30MHz-26.5GHz):**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB $\mu$ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2498.5 MHz								
4997.00	H	35.08	-57.86	11.20	1.48	-48.14	-25.00	23.14
4997.00	V	33.89	-58.91	11.20	1.48	-49.19	-25.00	24.19
7495.50	H	33.05	-56.74	10.90	1.94	-47.78	-25.00	22.78
7495.50	V	33.27	-57.02	10.90	1.94	-48.06	-25.00	23.06
58.00	H	30.47	-72.81	-11.22	0.14	-84.17	-25.00	59.17
214.00	V	43.52	-66.25	0.00	0.27	-66.52	-25.00	41.52
QPSK, Frequency: 2593 MHz								
5186.00	H	34.46	-59.57	11.31	1.44	-49.70	-25.00	24.70
5186.00	V	34.99	-58.90	11.31	1.44	-49.03	-25.00	24.03
7779.00	H	33.55	-55.94	10.84	1.99	-47.09	-25.00	22.09
7779.00	V	35.73	-54.21	10.84	1.99	-45.36	-25.00	20.36
845.00	H	30.64	-70.33	0.00	0.57	-70.90	-25.00	45.90
879.00	V	30.94	-65.98	0.00	0.59	-66.57	-25.00	41.57
QPSK, Frequency: 2687.5 MHz								
5375.00	H	34.84	-58.67	11.43	1.49	-48.73	-25.00	23.73
5375.00	V	34.64	-58.86	11.43	1.49	-48.92	-25.00	23.92
8062.50	H	33.52	-54.70	10.81	2.12	-46.01	-25.00	21.01
8062.50	V	33.50	-55.22	10.81	2.12	-46.53	-25.00	21.53
147.00	H	34.25	-77.81	0.00	0.23	-78.04	-25.00	53.04
136.00	V	43.26	-64.28	0.00	0.22	-64.50	-25.00	39.50

## 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 \*\*\*\*\***