

Test Plots:

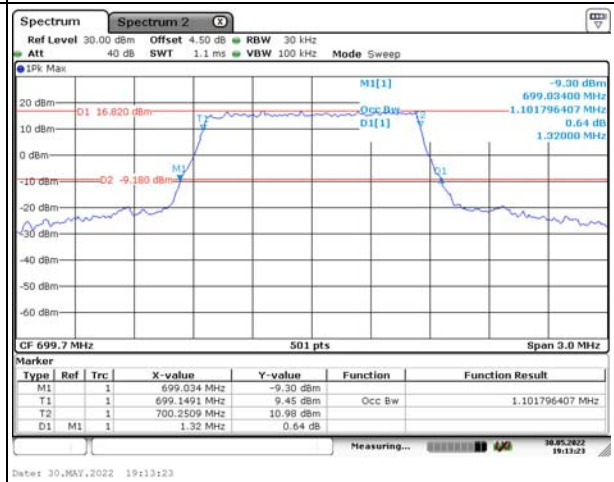
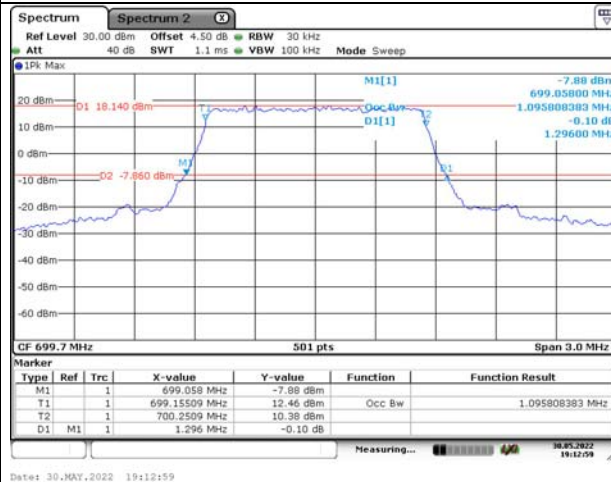
Occupied Bandwidth

Channel

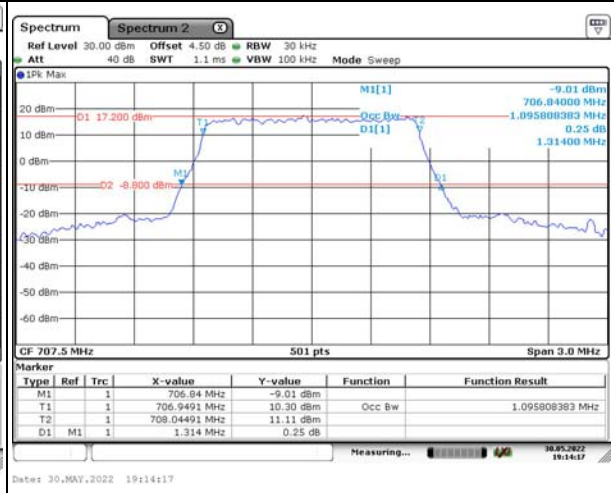
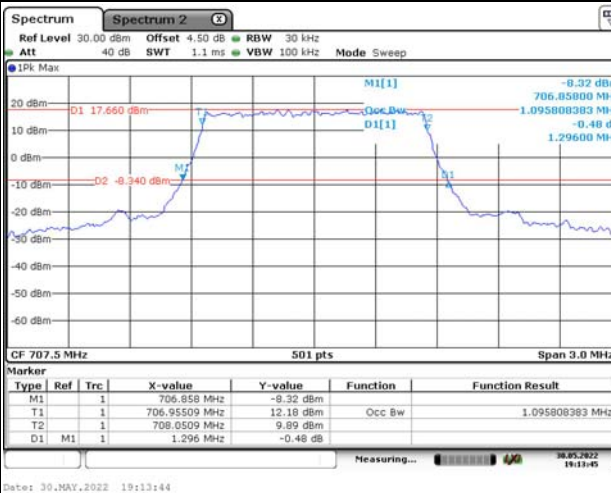
1.4MHz Bandwidth QPSK

1.4MHz Bandwidth 16QAM

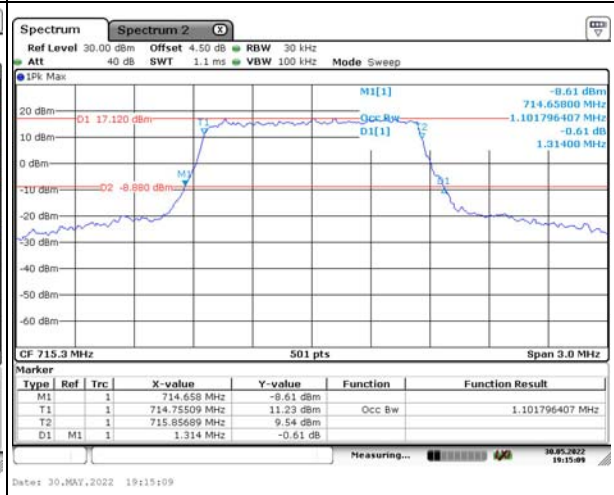
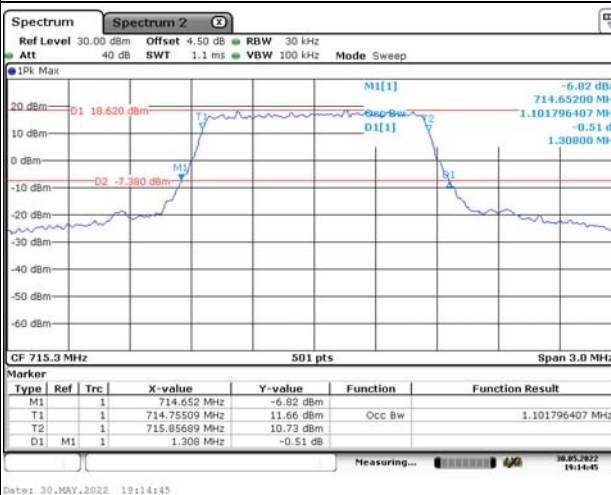
Lowest



Middle



Highest



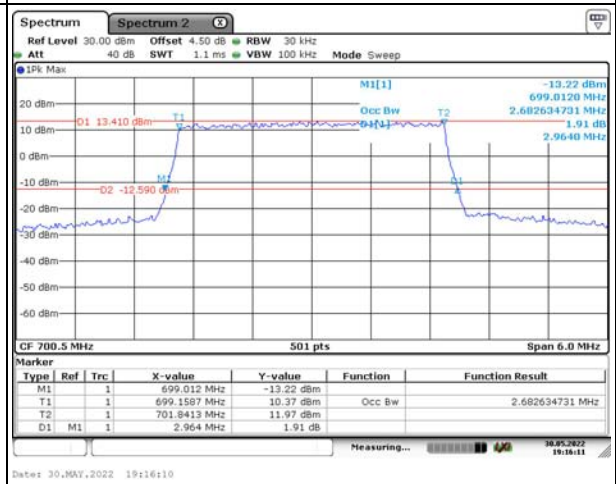
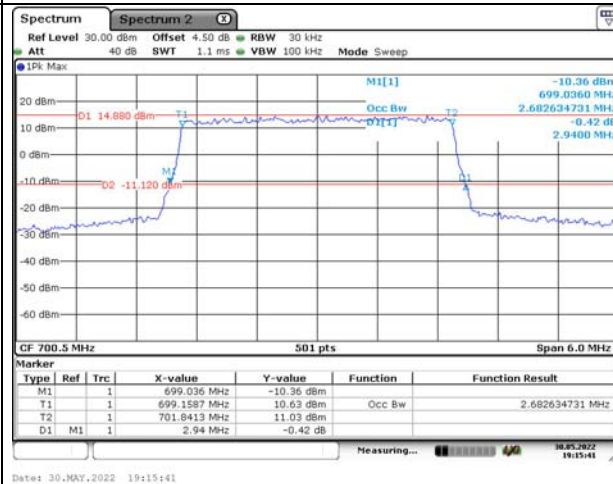
Occupied Bandwidth

Channel

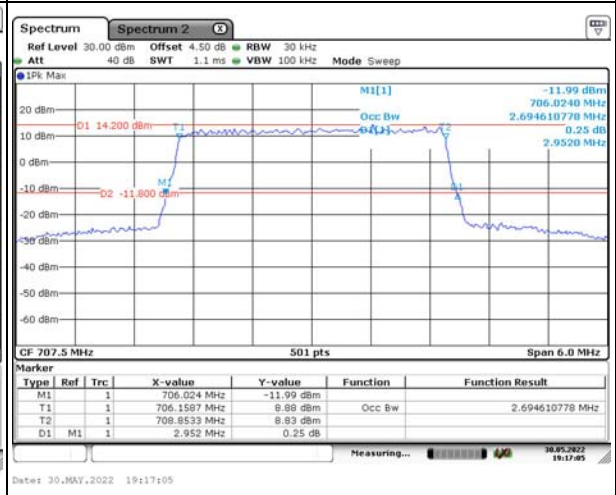
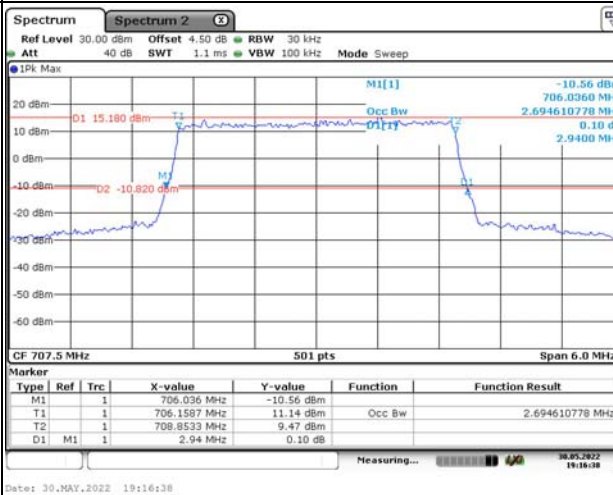
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

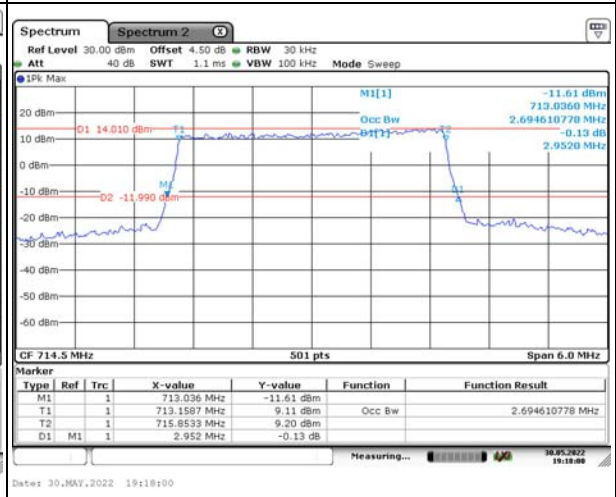
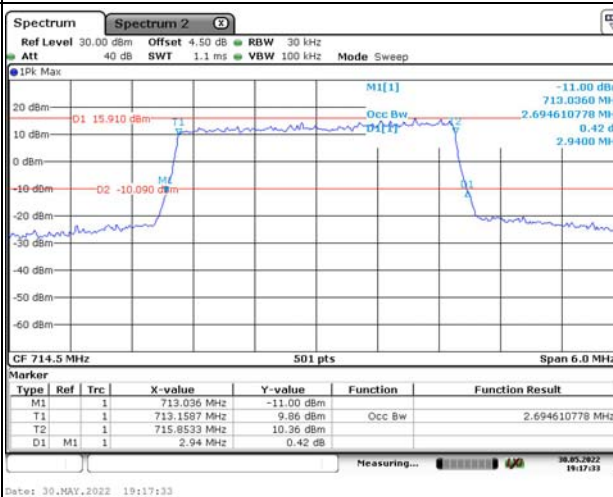
Lowest



Middle



Highest



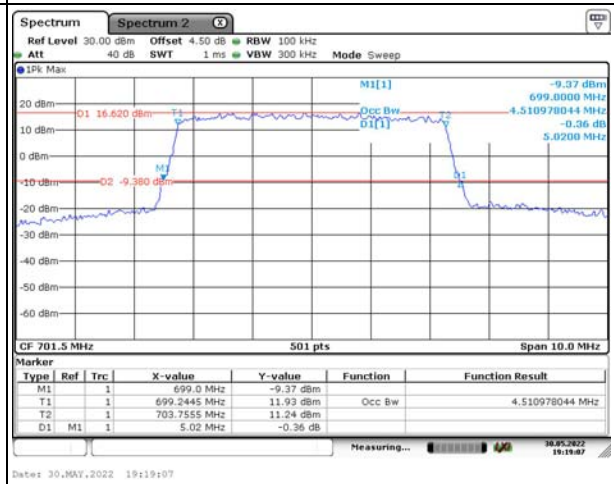
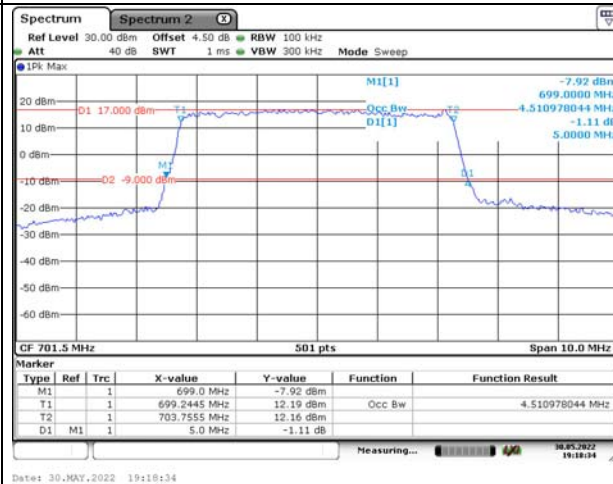
Occupied Bandwidth

Channel

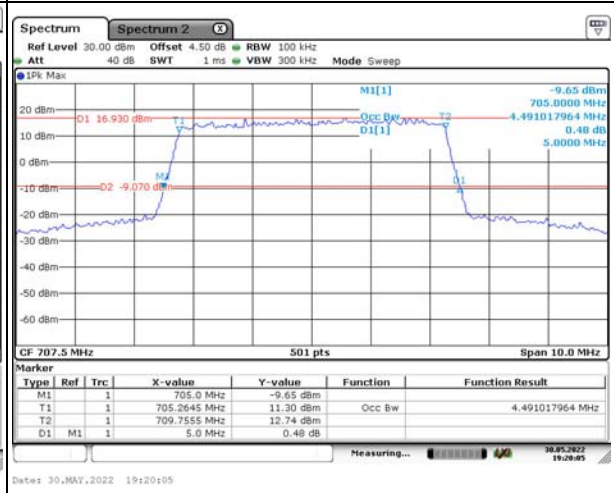
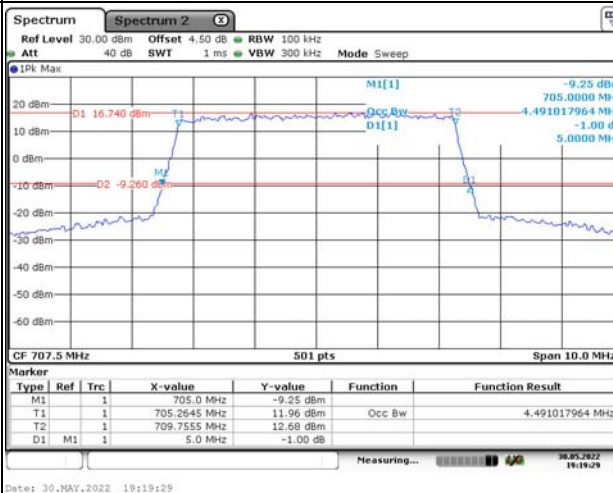
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

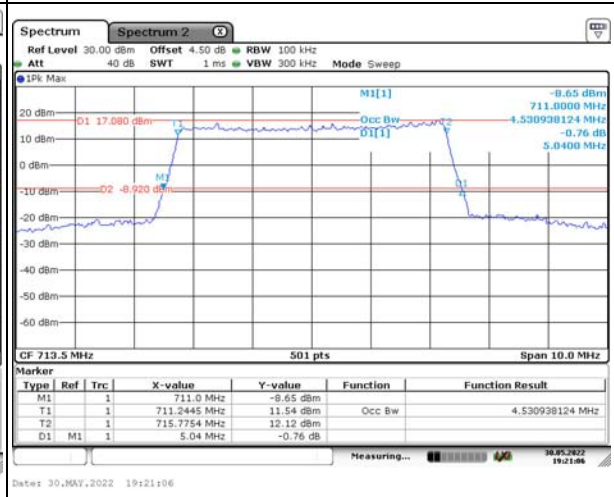
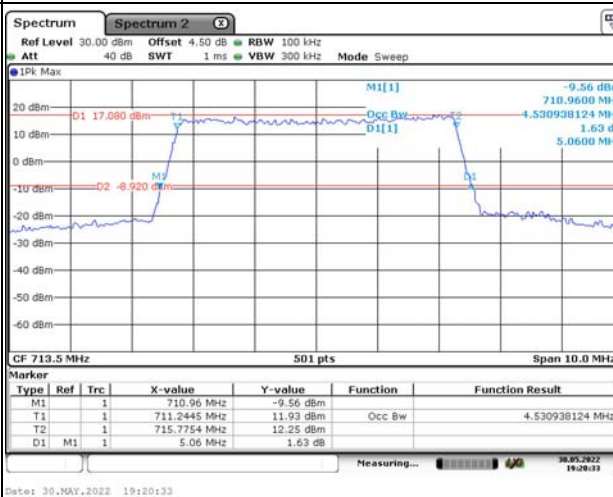
Lowest



Middle



Highest



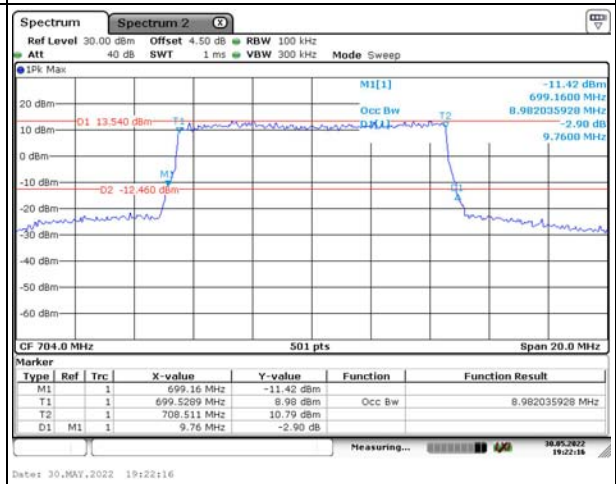
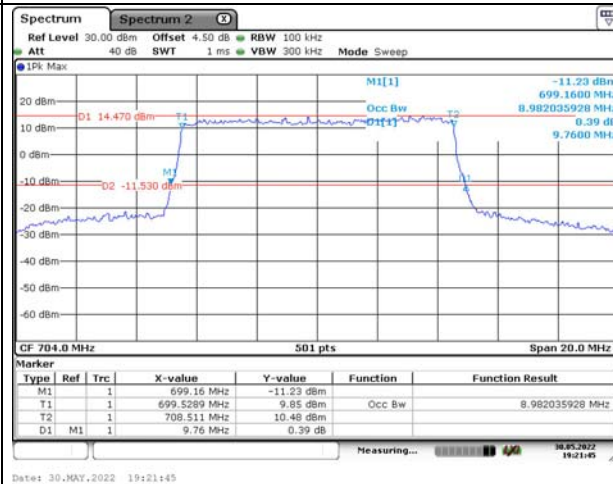
Occupied Bandwidth

Channel

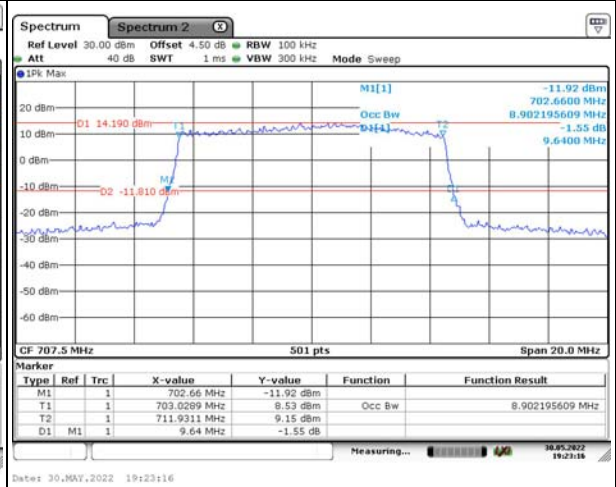
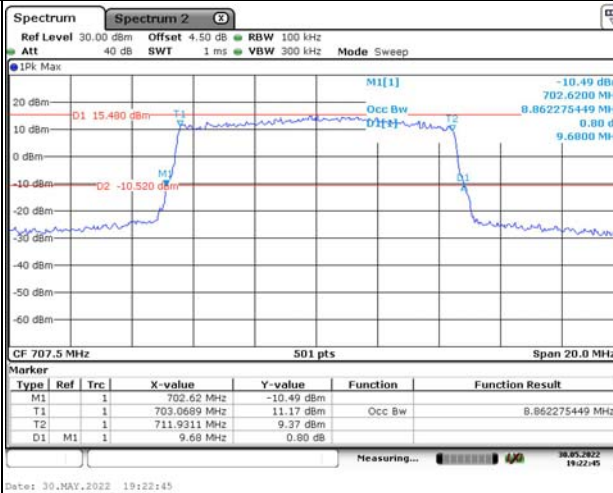
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

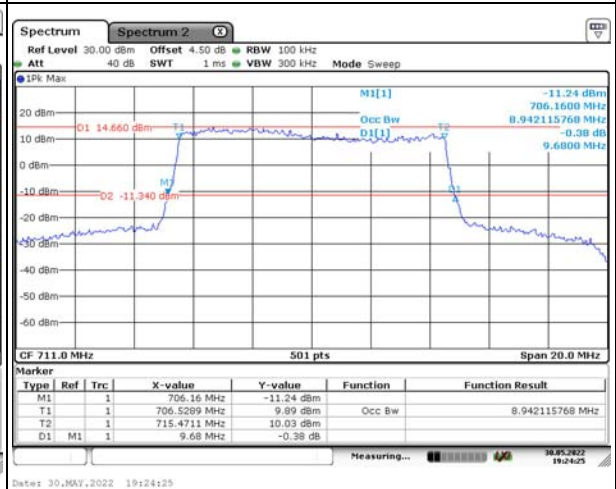
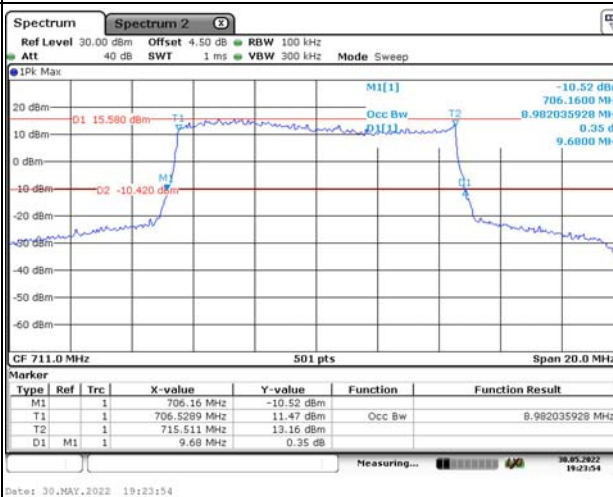
Lowest



Middle



Highest

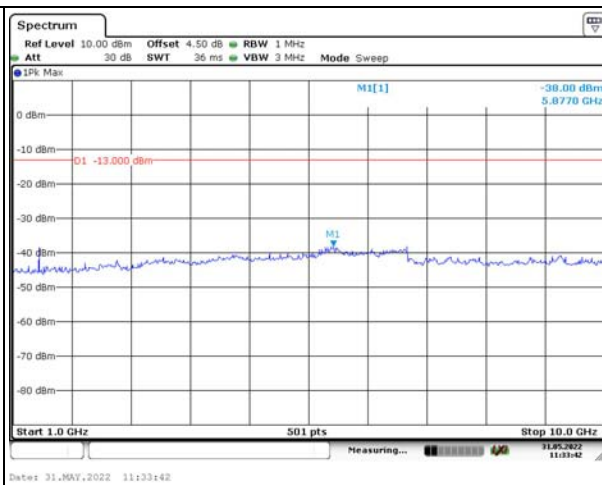
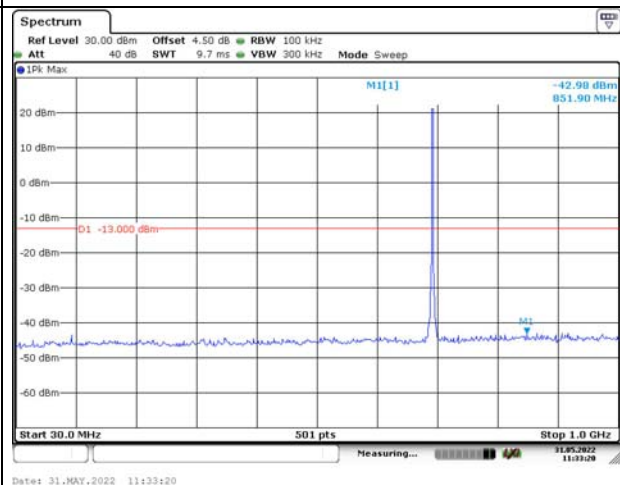


Spurious Emissions at Antenna Terminal

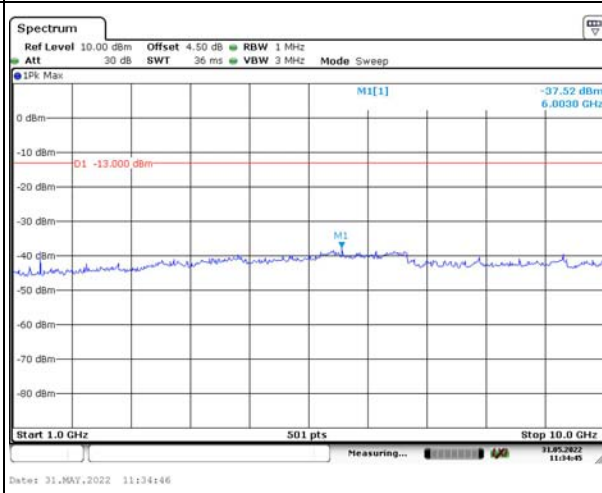
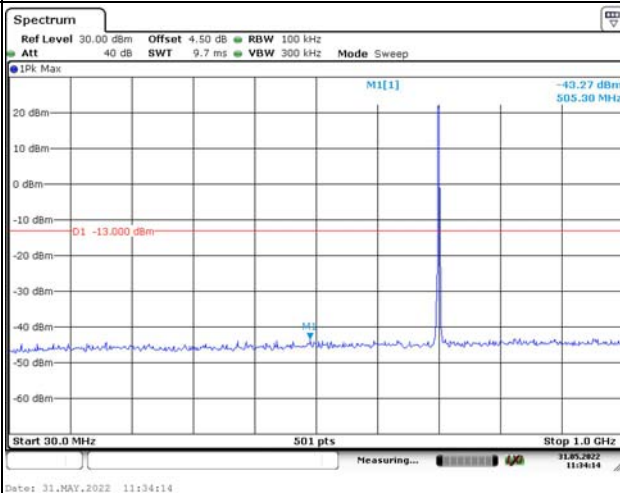
Channel

1.4MHz Bandwidth QPSK

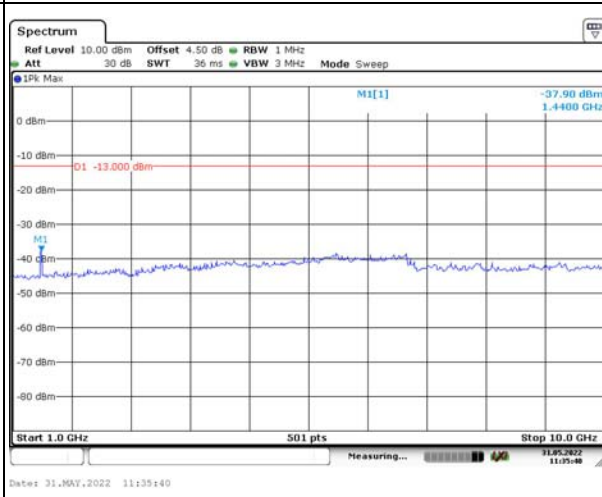
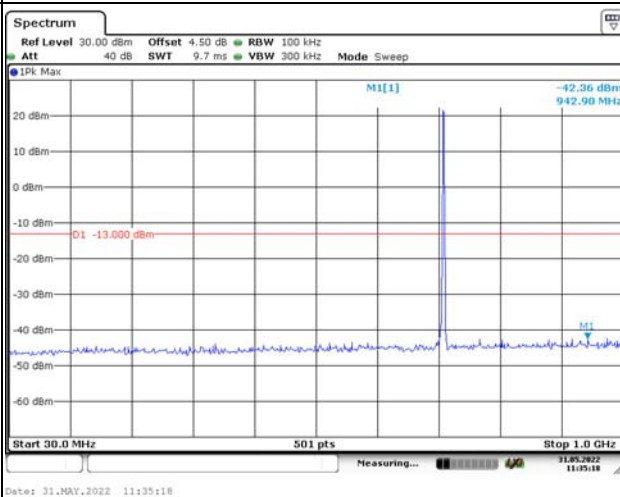
Lowest



Middle



Highest

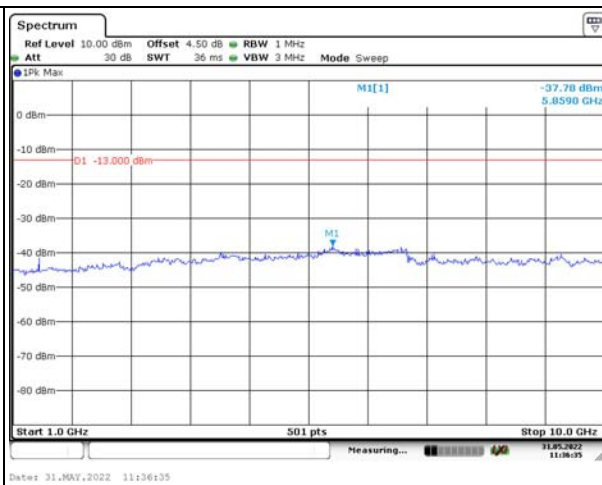
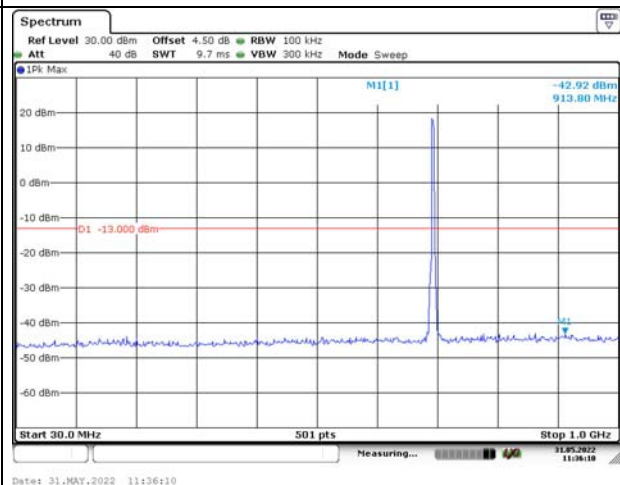


Spurious Emissions at Antenna Terminal

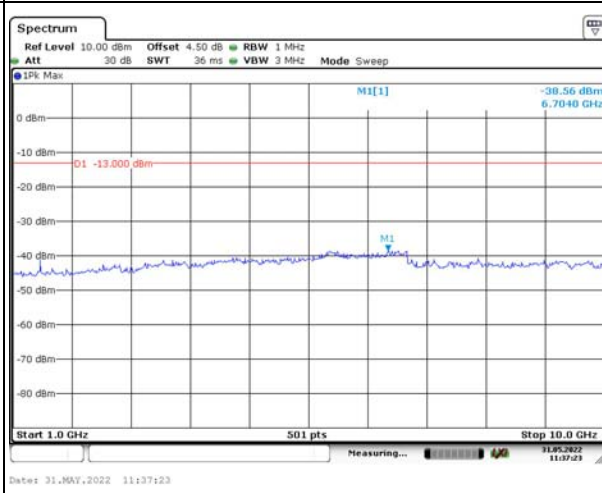
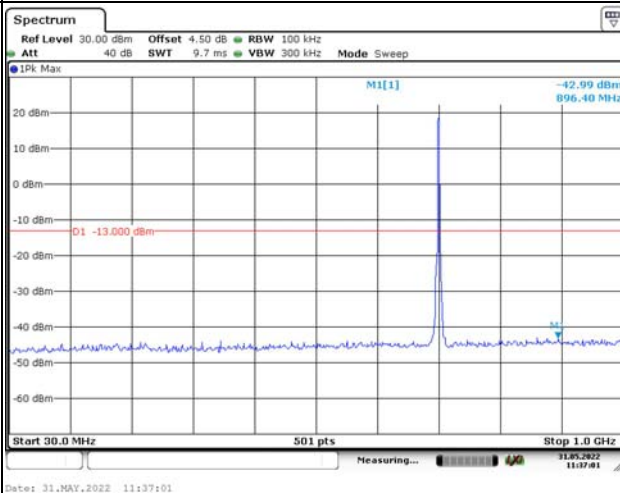
Channel

3MHz Bandwidth QPSK

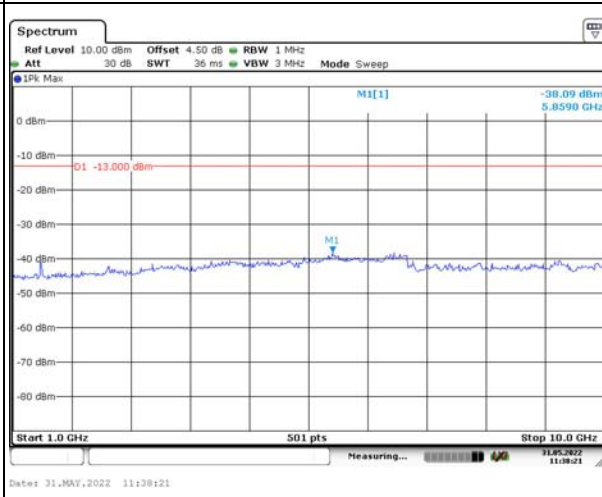
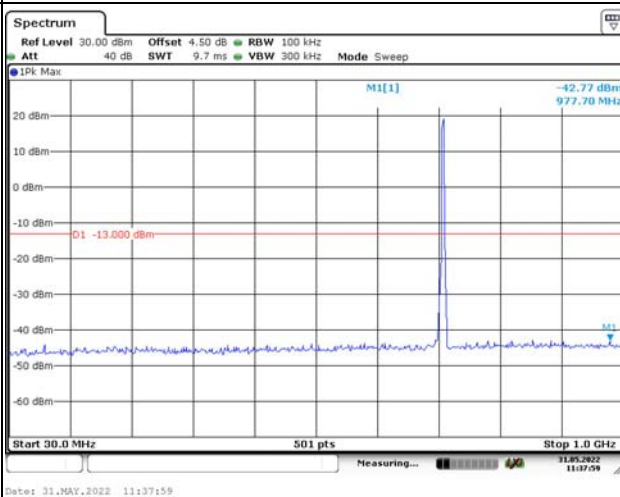
Lowest



Middle



Highest

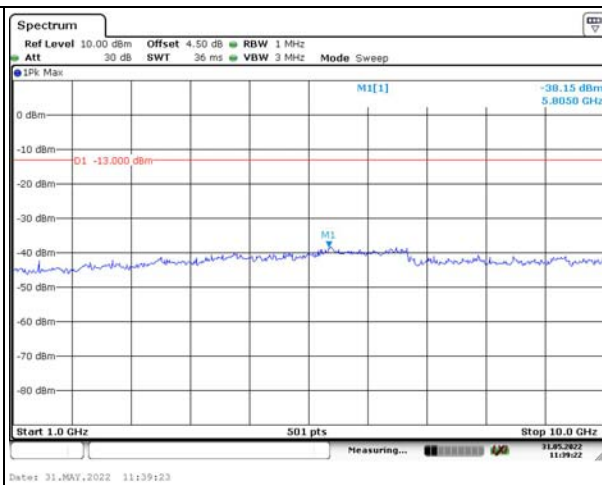
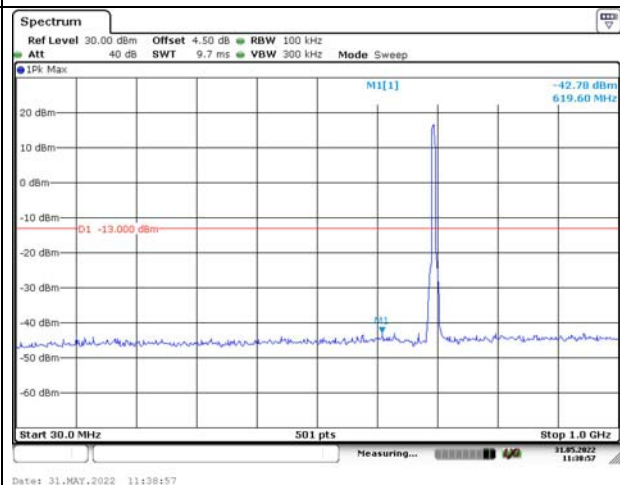


Spurious Emissions at Antenna Terminal

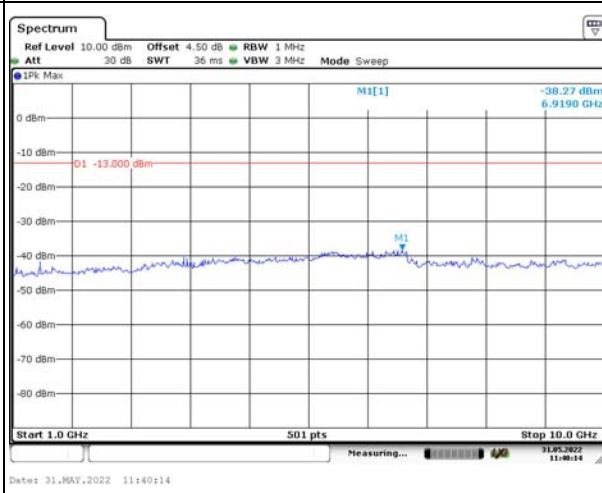
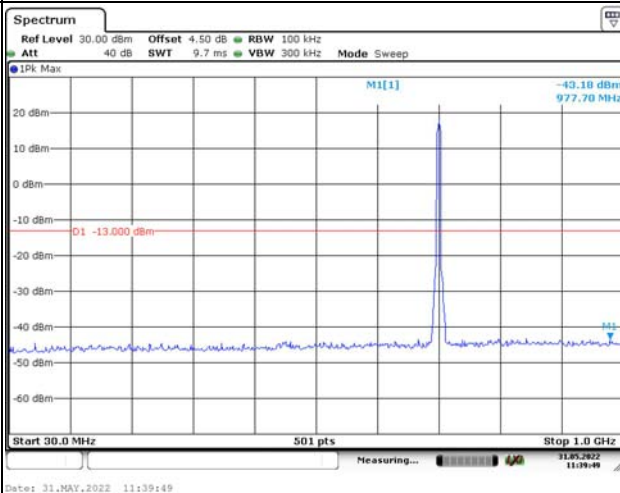
Channel

5MHz Bandwidth QPSK

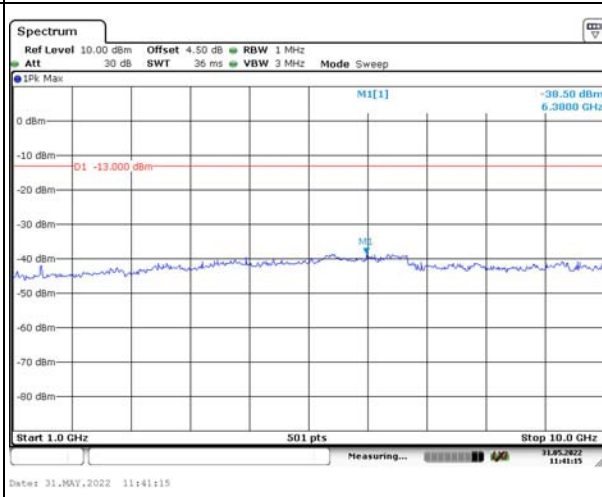
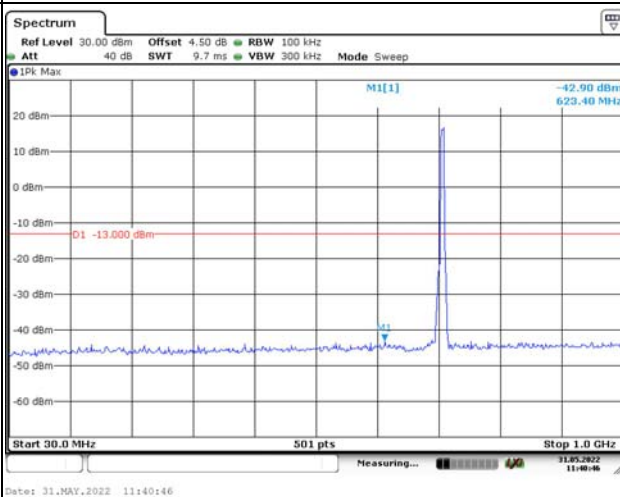
Lowest



Middle



Highest

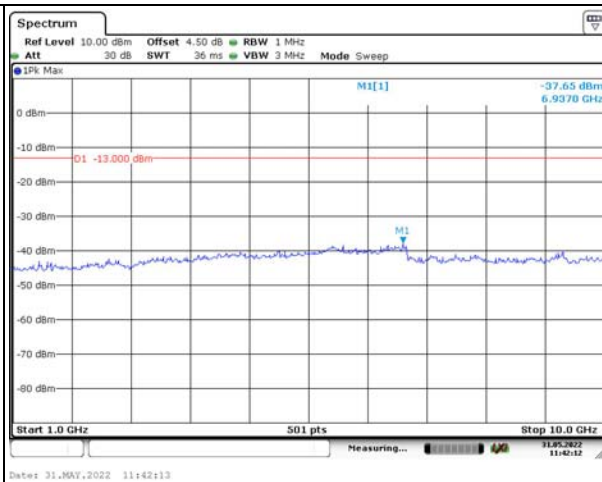
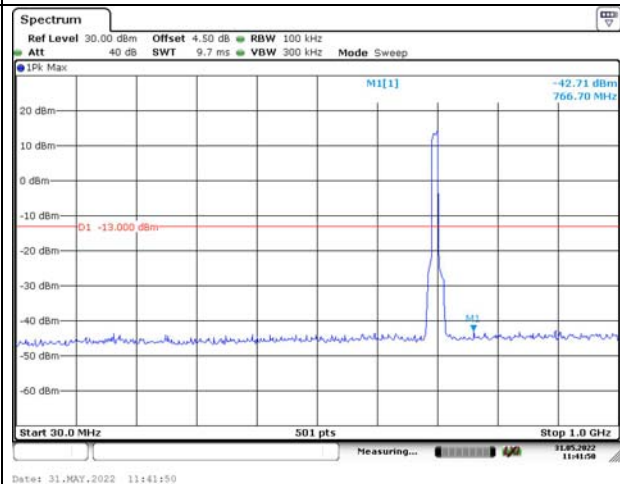


Spurious Emissions at Antenna Terminal

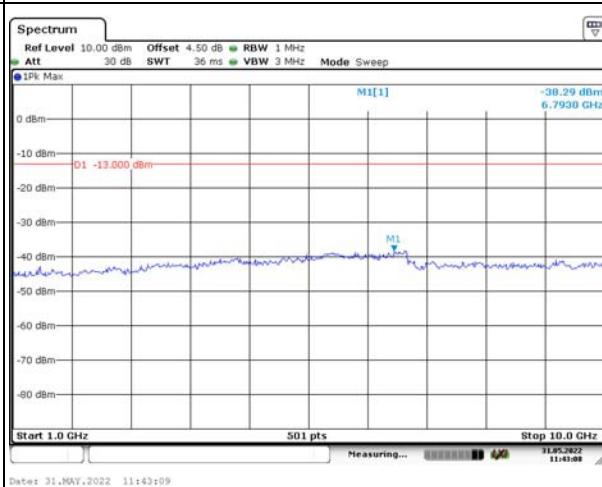
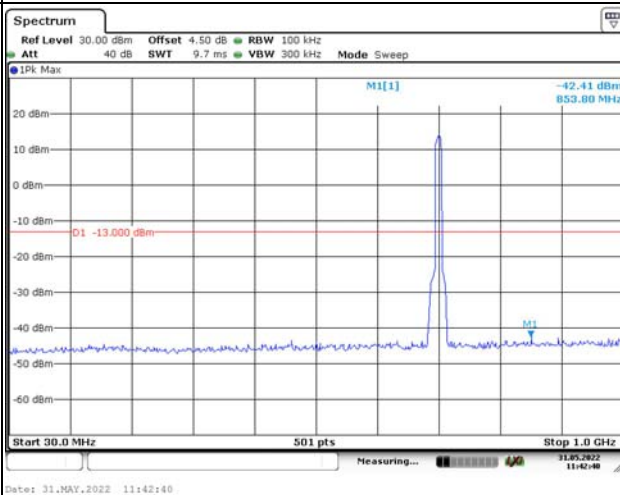
Channel

10MHz Bandwidth QPSK

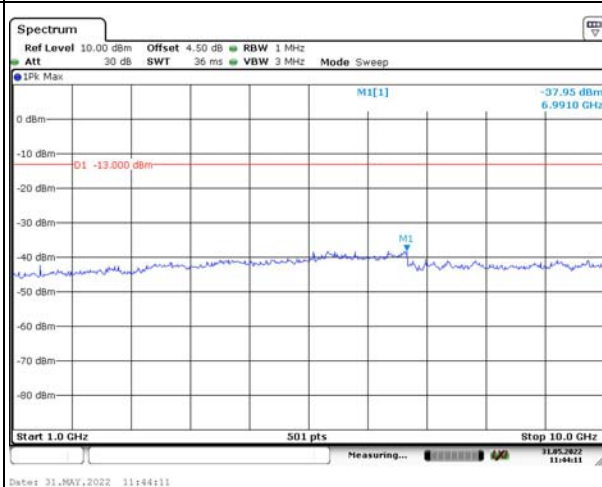
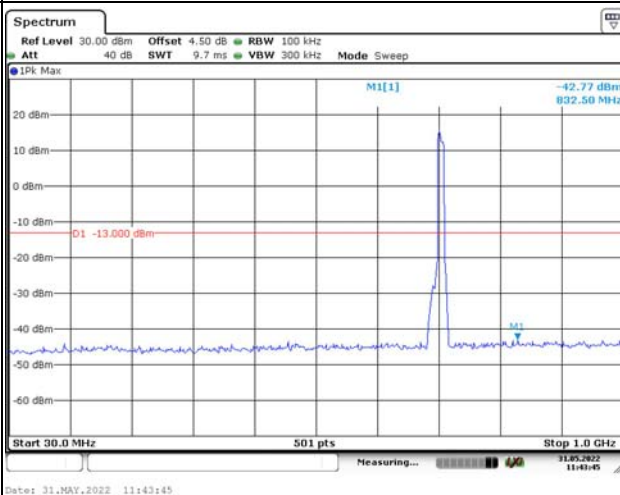
Lowest



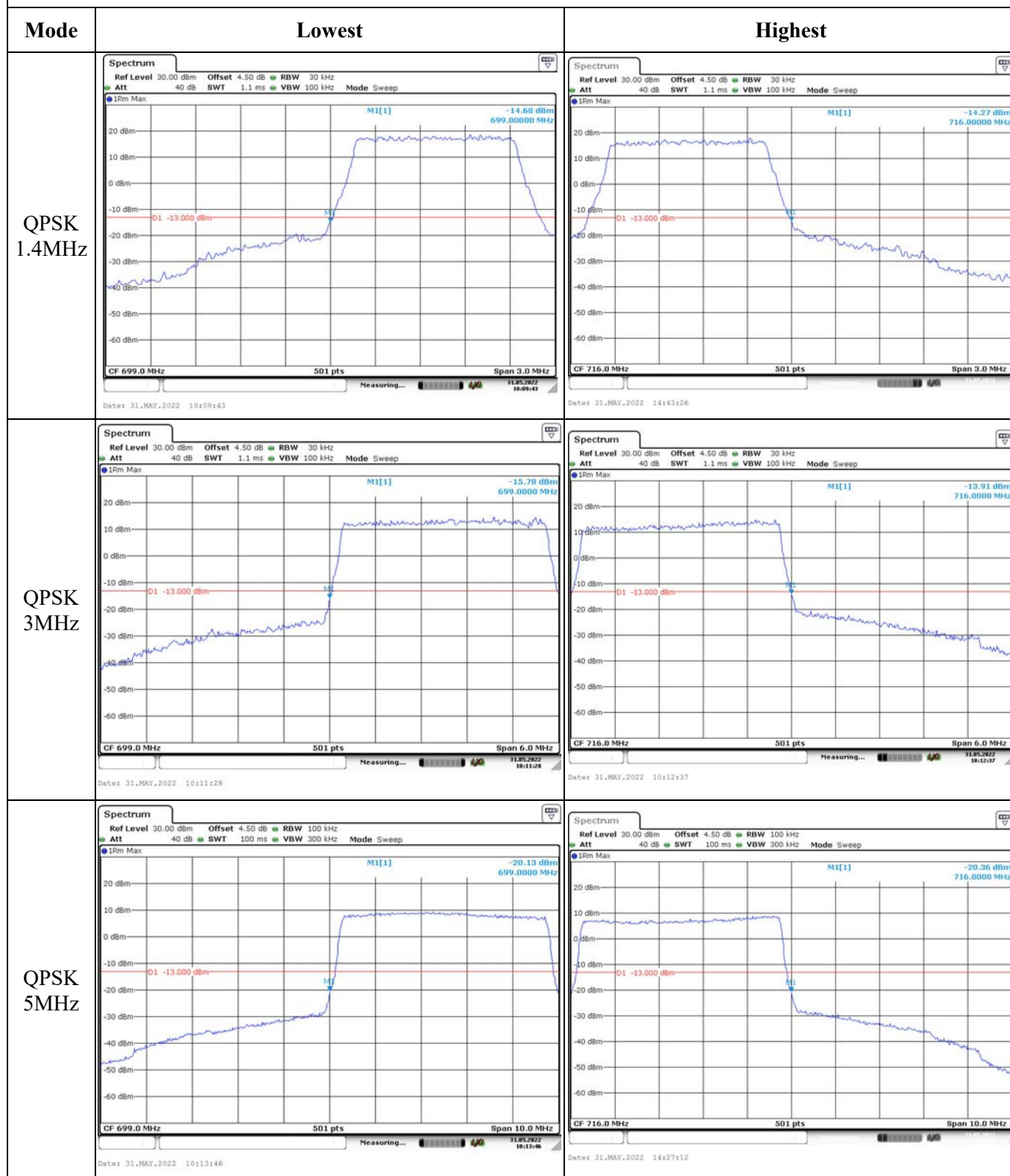
Middle



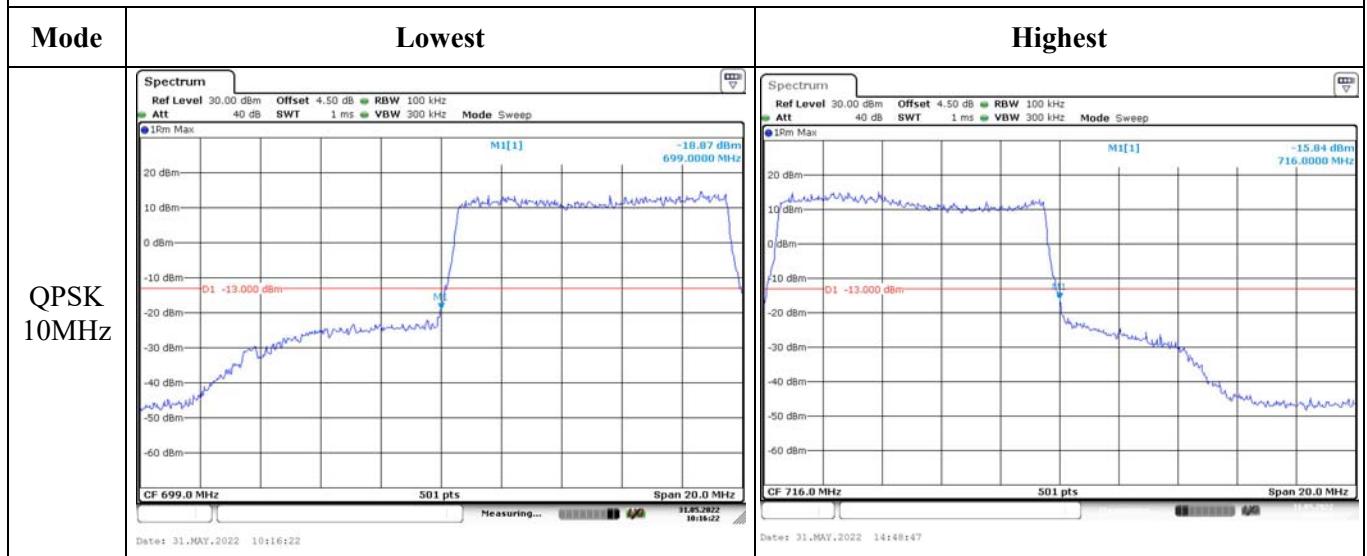
Highest



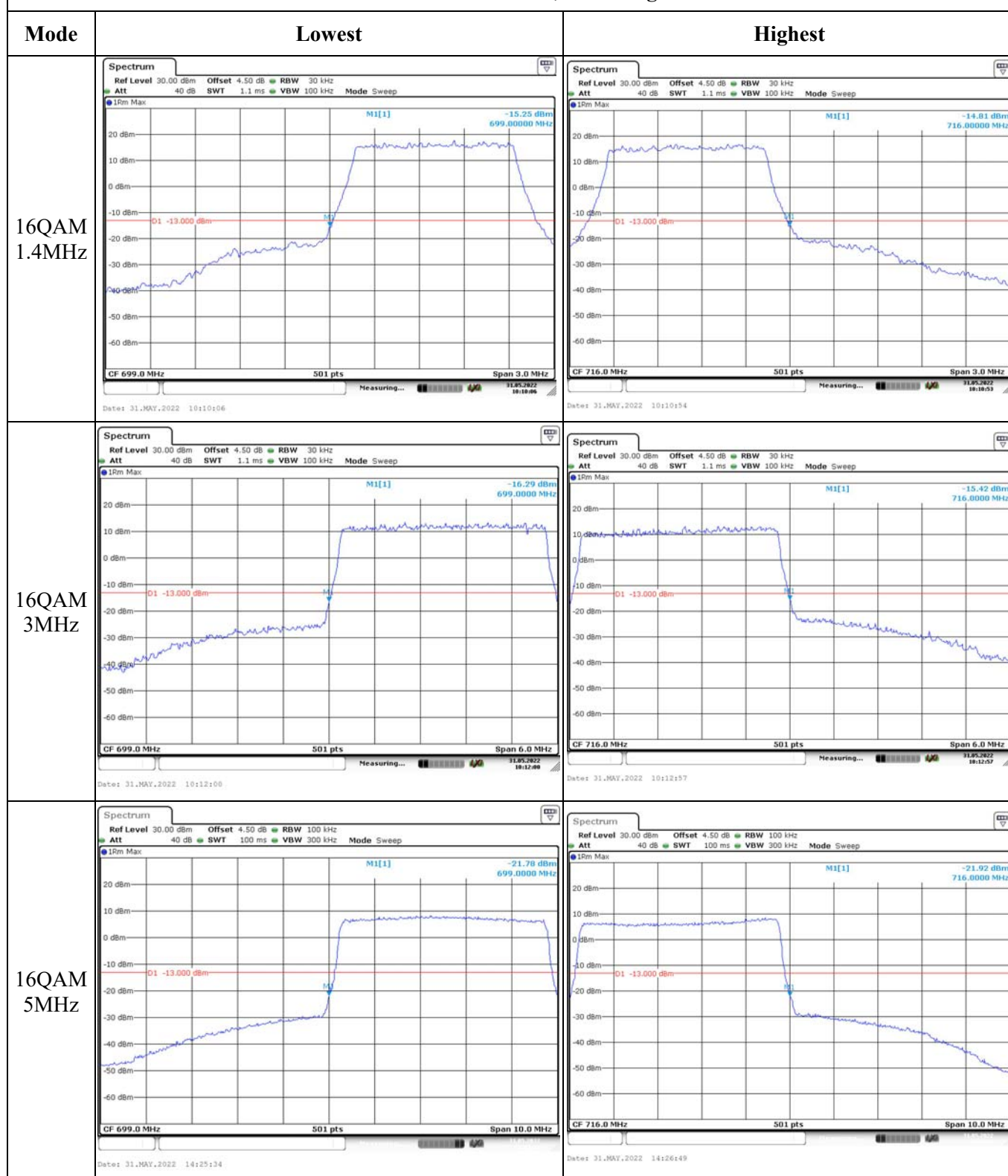
Out of band emission, Band Edge



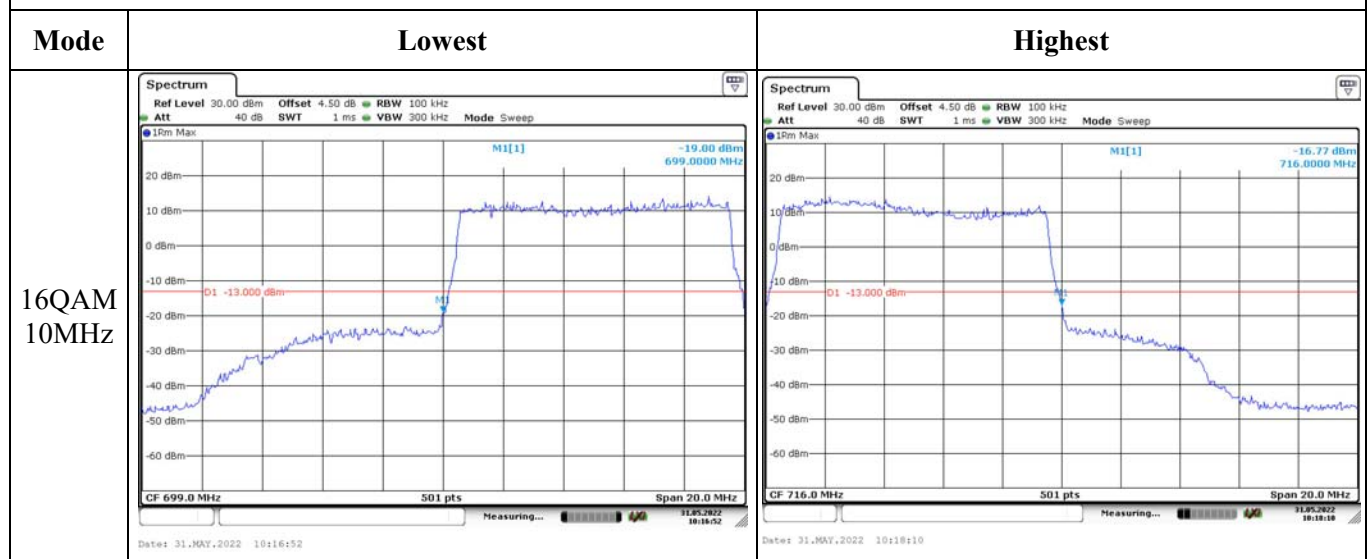
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.16 Antenna Port Test Data and Results for Module A LTE Band 41:

Serial Number:	CR22050041-RF-S1	Test Date:	2022/6/1-2022/7/15
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.1	Relative Humidity: (%)	60	ATM Pressure: (kPa)	100.1
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021-07-22	2023-07-21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	144976	2021-07-22	2022-07-21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021-07-22	2022-07-21
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-29
Unknown	Coaxial tee connector	Unknown	2204006	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 G_T (dBi):	1.49	Path Loss L_C (dB):	0
Operation Voltage(V_{DC}):			
Lowest:	3.5	Normal:	3.85
		Highest:	4.4

Test Frequency For Each Mode:

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

Test Data:**FCC§2.1046;§ 27.50(h)(2)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	19.63	19.78	20.08	21.57	33
	RB1#13	19.70	19.81	20.05		
	RB1#24	19.71	19.88	19.98		
	RB15#0	19.01	19.04	19.55		
	RB15#10	18.82	19.09	19.49		
	RB25#0	18.85	18.88	19.53		
5MHz 16QAM	RB1#0	19.27	18.73	19.68	21.29	33
	RB1#13	19.20	18.48	19.80		
	RB1#24	19.07	18.50	19.57		
	RB15#0	17.81	17.93	18.51		
	RB15#10	17.78	17.96	18.41		
	RB25#0	17.75	18.06	18.53		
10MHz QPSK	RB1#0	19.75	19.88	20.03	21.66	33
	RB1#25	19.79	19.93	20.17		
	RB1#49	19.68	19.77	20.03		
	RB25#0	18.95	19.13	19.50		
	RB25#25	18.92	19.15	19.47		
	RB50#0	18.90	19.13	19.53		
10MHz 16QAM	RB1#0	19.12	18.78	19.72	21.21	33
	RB1#25	19.13	18.53	19.68		
	RB1#49	18.94	18.84	19.71		
	RB25#0	17.93	18.07	18.57		
	RB25#25	17.86	18.17	18.41		
	RB50#0	17.96	18.16	18.60		
15MHz QPSK	RB1#0	19.69	19.86	20.10	21.77	33
	RB1#38	19.82	19.95	20.28		
	RB1#74	19.68	19.86	20.15		
	RB36#0	19.63	19.92	20.03		
	RB36#39	19.66	19.78	20.14		
	RB75#0	19.73	19.92	20.15		
15MHz 16QAM	RB1#0	19.14	18.48	19.83	21.61	33
	RB1#38	19.38	18.83	20.12		
	RB1#74	19.17	18.48	19.75		
	RB36#0	18.93	18.52	19.65		
	RB36#39	18.98	18.88	19.74		
	RB75#0	19.36	18.46	19.88		
20MHz QPSK	RB1#0	19.84	19.90	20.05	21.77	33

	RB1#50	19.89	19.95	20.28		
	RB1#99	19.85	19.83	20.20		
	RB50#0	19.76	19.96	20.05		
	RB50#50	19.71	19.83	20.18		
	RB100#0	19.75	19.83	20.01		
20MHz 16QAM	RB1#0	19.02	18.51	19.68	21.42	33
	RB1#50	19.45	18.64	19.59		
	RB1#99	18.93	18.90	19.71		
	RB50#0	19.03	18.56	19.71		
	RB50#50	19.25	18.89	19.93		
	RB100#0	19.00	18.56	19.71		
Note: EIRP=Conducted Power(dBm) - L _C (dB) + G _T (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	6.21	5.44	6.28	13
	RB100#0	6.32	5.42	6.11	13
20MHz 16QAM	RB1#0	6.54	5.37	6.87	13
	RB100#0	6.11	5.23	6.43	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	4.520	4.540	4.540	5.120	5.060	4.980
5MHz 16QAM	4.520	4.520	4.520	5.060	5.920	5.340
10MHz QPSK	9.000	8.942	8.960	11.040	10.192	9.920
10MHz 16QAM	8.960	8.960	8.960	9.960	9.640	9.680
15MHz QPSK	13.620	13.560	13.560	17.640	17.356	17.100
15MHz 16QAM	13.560	13.620	13.620	16.490	16.546	17.230
20MHz QPSK	18.000	18.000	18.000	19.440	20.160	19.760
20MHz 16QAM	17.920	18.000	18.000	19.760	20.340	20.480
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.
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FCC §2.1051, § 27.53:Out of band emission, Band Edge

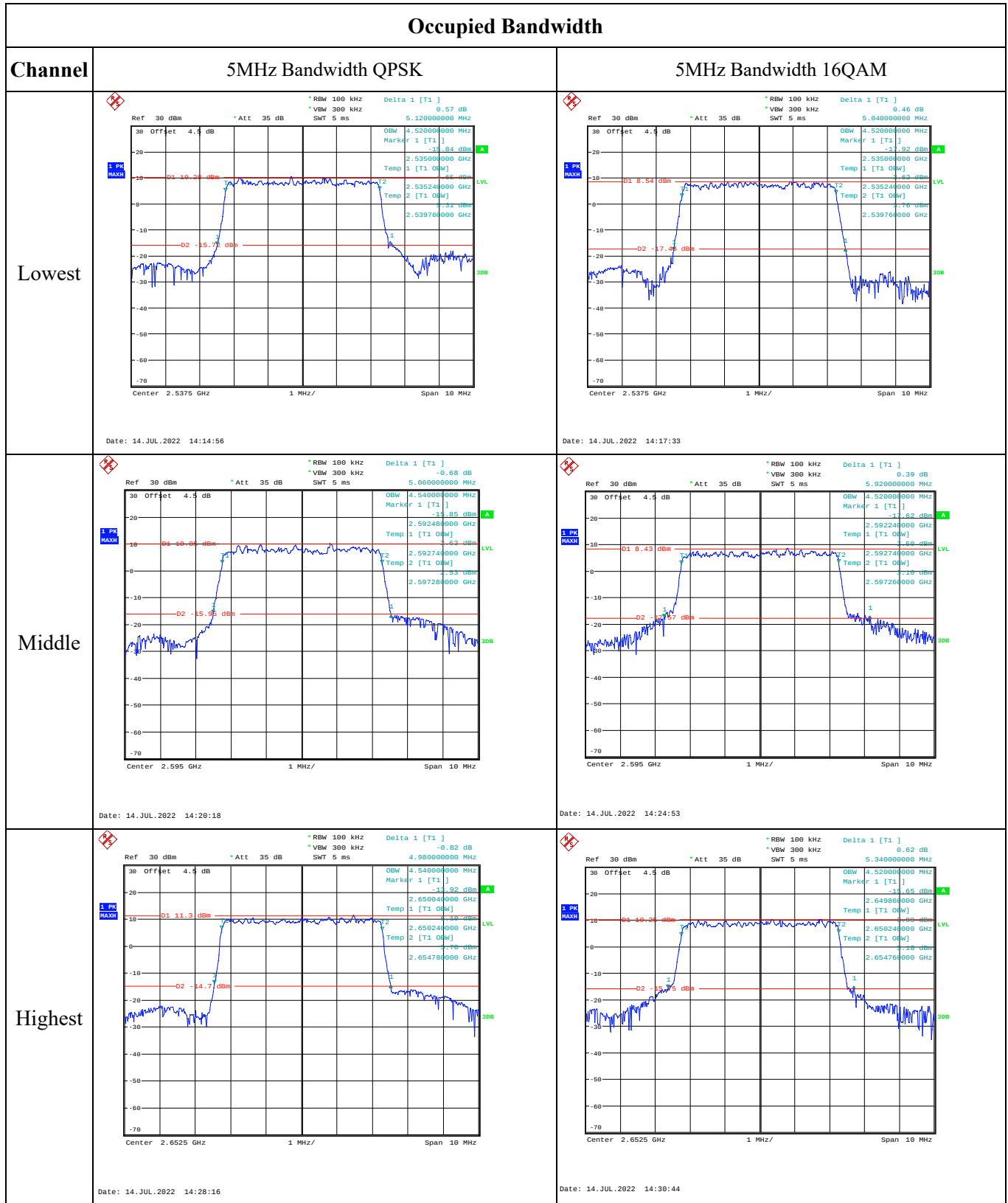
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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FCC §2.1055, §27.54: Frequency Stability

Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.095	2535.00	2654.916	2655
	-20	3.85	2535.091	2535.00	2654.915	2655
	-10	3.85	2535.097	2535.00	2654.911	2655
	0	3.85	2535.090	2535.00	2654.919	2655
	10	3.85	2535.096	2535.00	2654.912	2655
	20	3.85	2535.090	2535.00	2654.910	2655
	30	3.85	2535.081	2535.00	2654.902	2655
	40	3.85	2535.090	2535.00	2654.901	2655
Frequency Stability vs. Voltage	20	3.5	2535.089	2535.00	2654.910	2655
	20	4.4	2535.840	2535.00	2654.904	2655
Result:					Pass	

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.094	2535.00	2654.979	2655
	-20	3.85	2535.098	2535.00	2654.985	2655
	-10	3.85	2535.091	2535.00	2654.981	2655
	0	3.85	2535.093	2535.00	2654.983	2655
	10	3.85	2535.090	2535.00	2654.978	2655
	20	3.85	2535.090	2535.00	2654.974	2655
	30	3.85	2535.082	2535.00	2654.974	2655
	40	3.85	2535.081	2535.00	2654.971	2655
Frequency Stability vs. Voltage	20	3.5	2535.086	2535.00	2654.974	2655
	20	4.4	2535.090	2535.00	2654.972	2655
Result:					Pass	

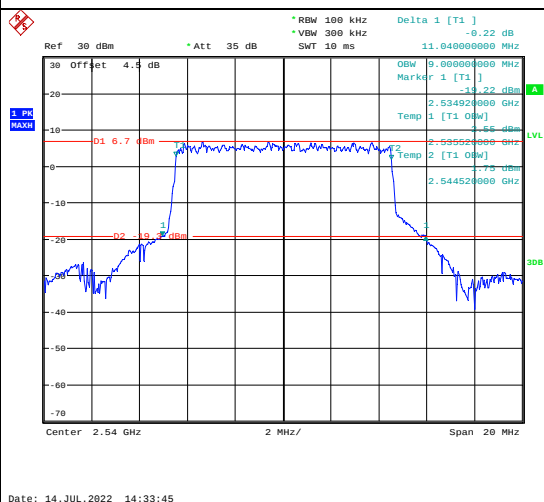
Occupied Bandwidth



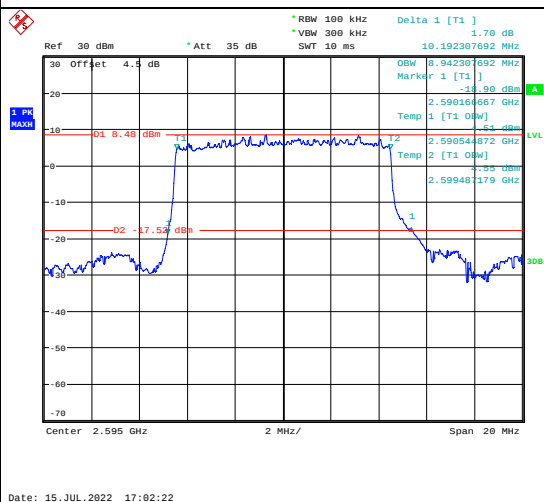
Channel

10MHz Bandwidth 16QAM

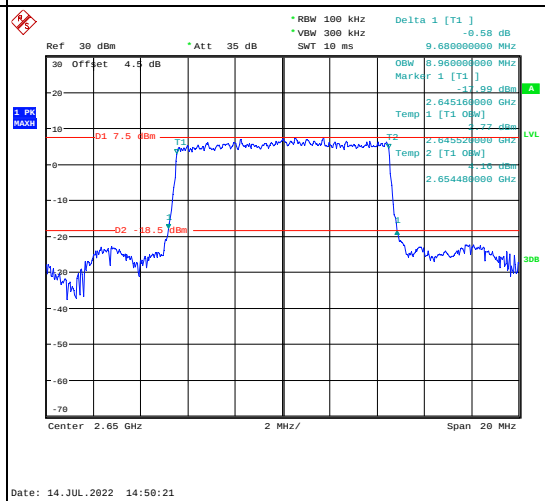
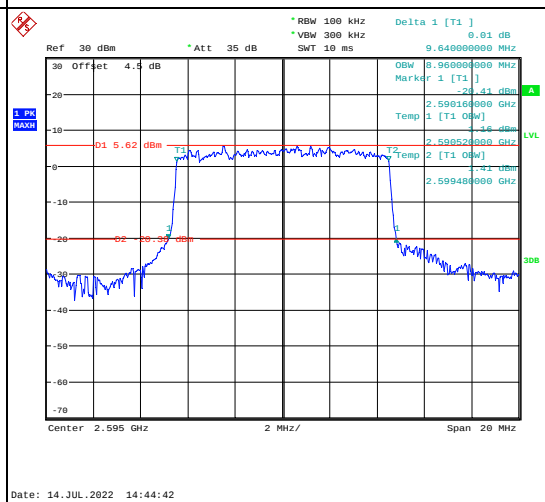
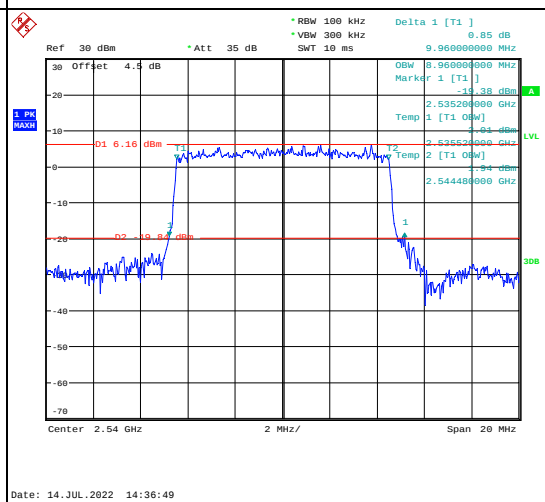
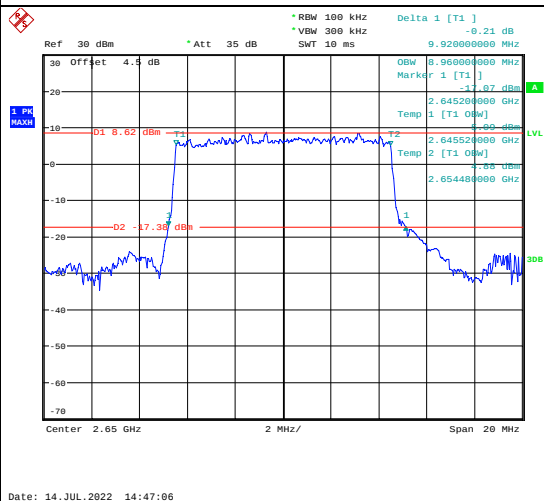
Lowest



Middle



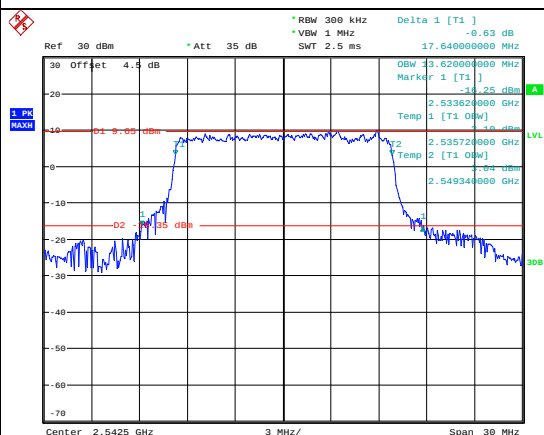
Highest



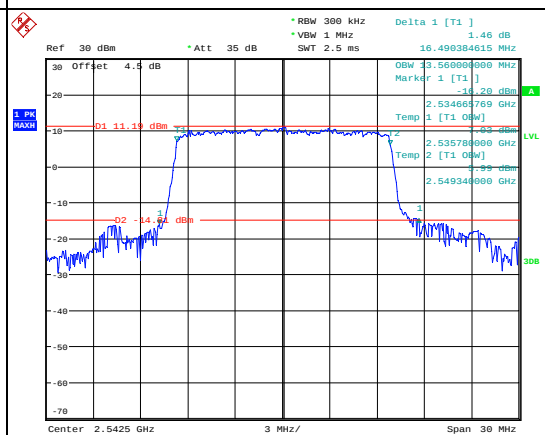
Channel

15MHz Bandwidth 16QAM

Lowest

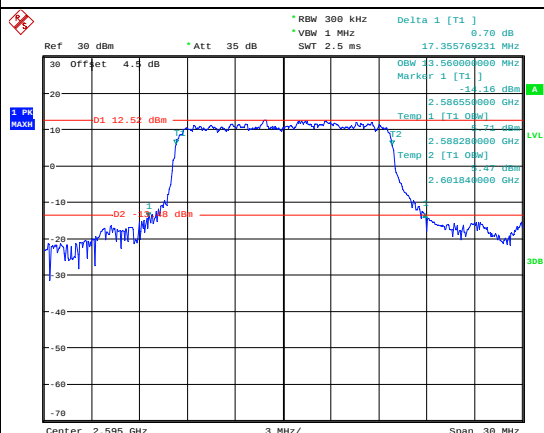


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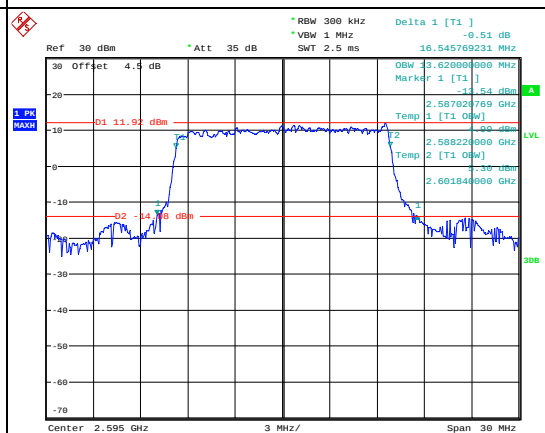


Date: 14.JUL.2022 16:25:24

Middle

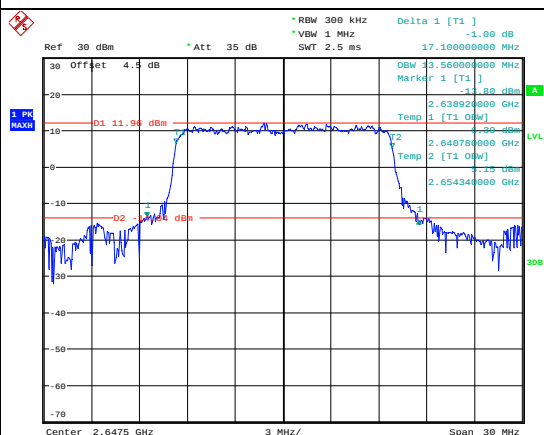


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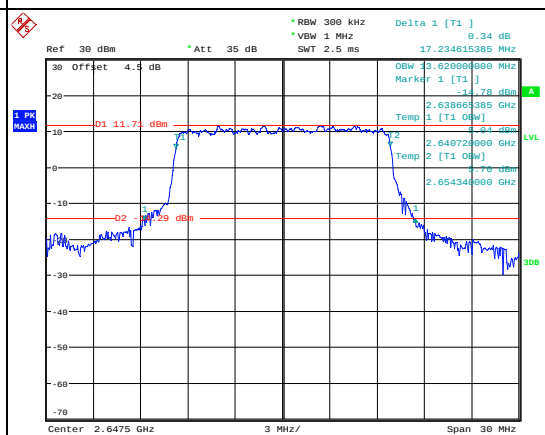


Date: 14.JUL.2022 16:44:59

Highest



Date: 14.JUL.2022 15:02:55



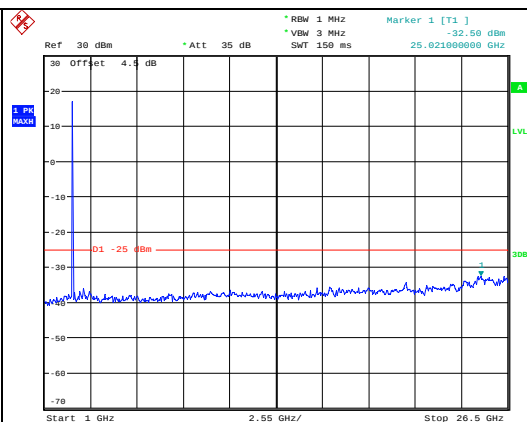
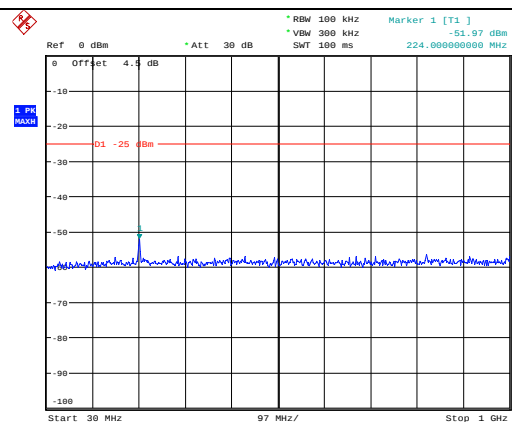
Date: 14.JUL.2022 16:55:28

Spurious Emissions at Antenna Terminal

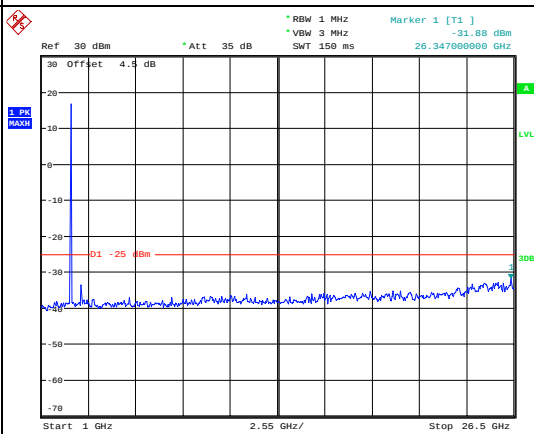
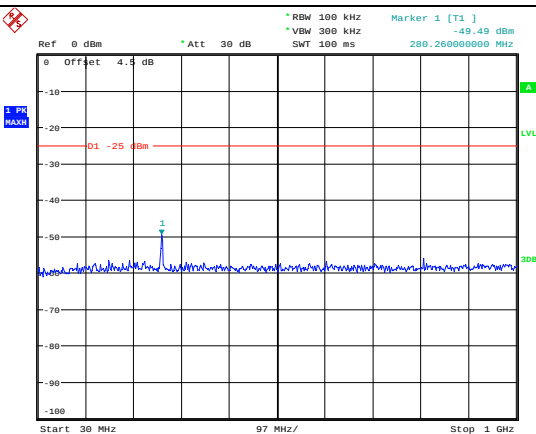
Channel

5MHz Bandwidth QPSK

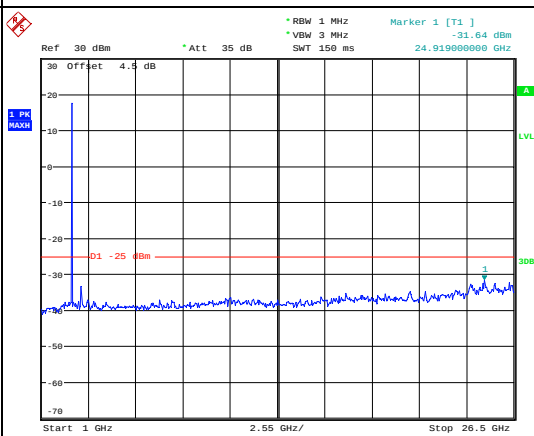
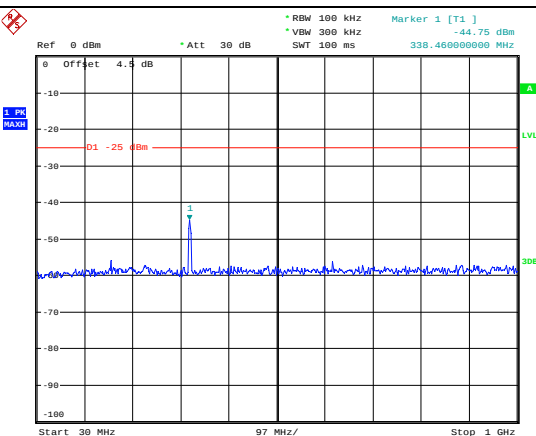
Lowest



Middle



Highest

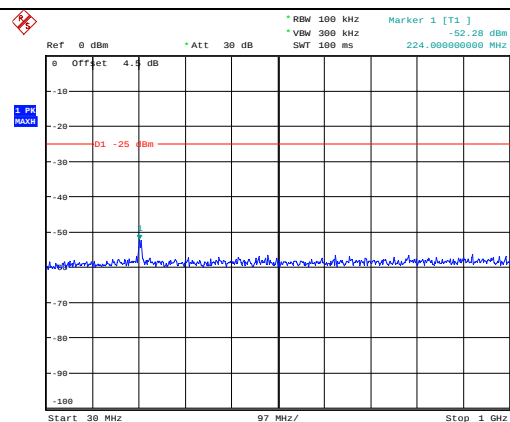


Spurious Emissions at Antenna Terminal

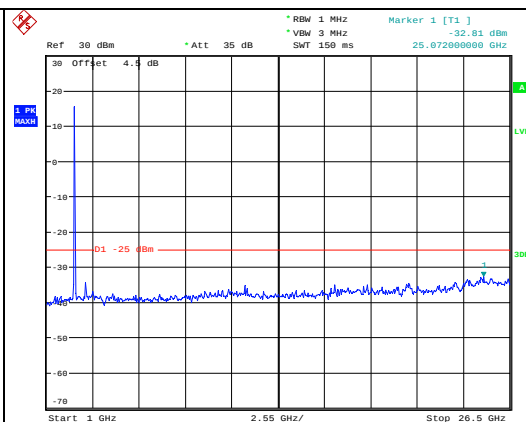
Channel

10MHz Bandwidth QPSK

Lowest

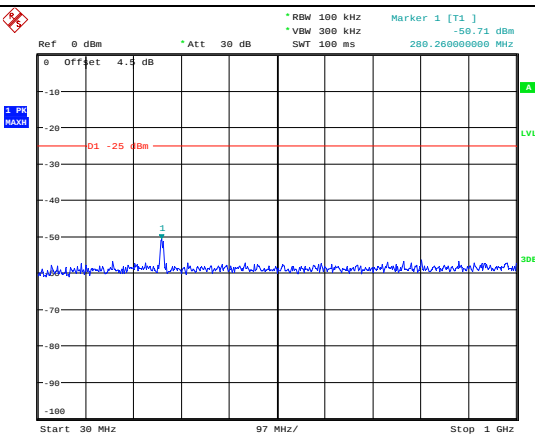


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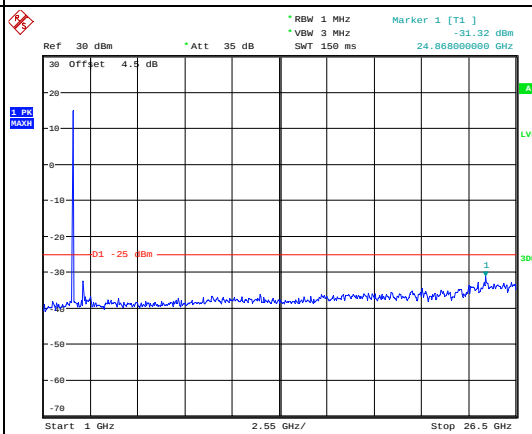


Date: 12.JUL.2022 12:02:49

Middle

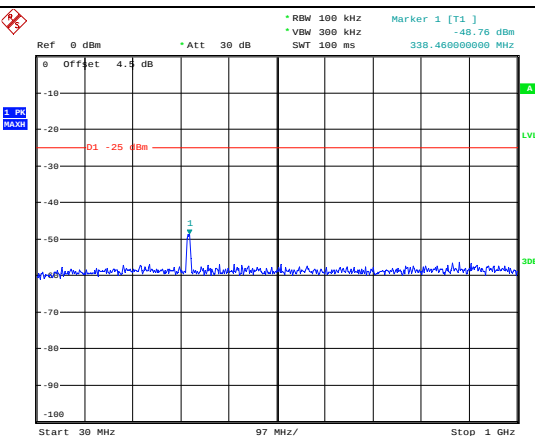


Date: 12.JUL.2022 12:03:08

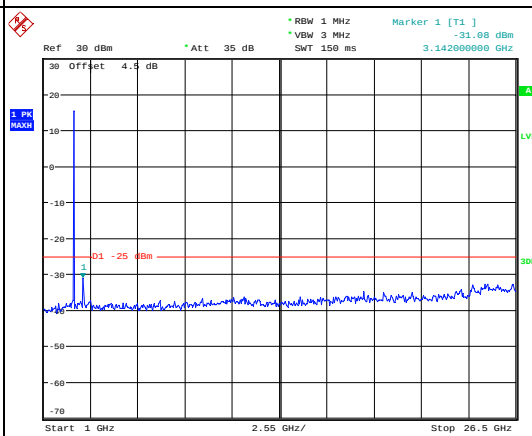


Date: 12.JUL.2022 12:03:22

Highest



Date: 12.JUL.2022 12:03:41



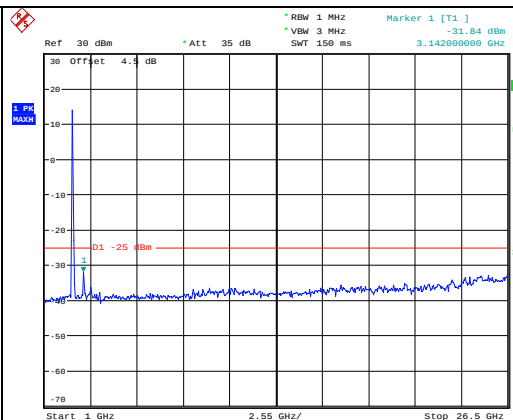
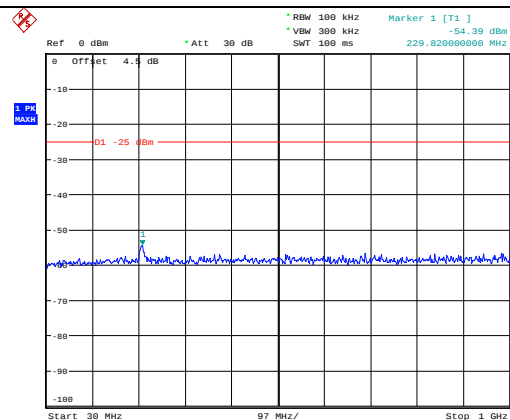
Date: 12.JUL.2022 12:03:55

Spurious Emissions at Antenna Terminal

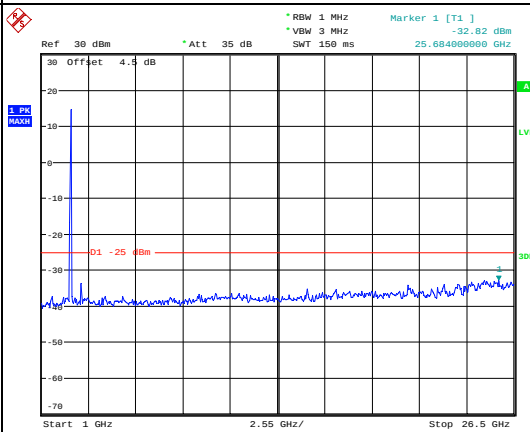
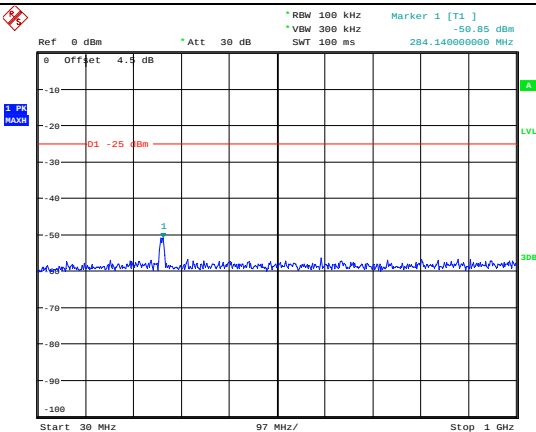
Channel

15MHz Bandwidth QPSK

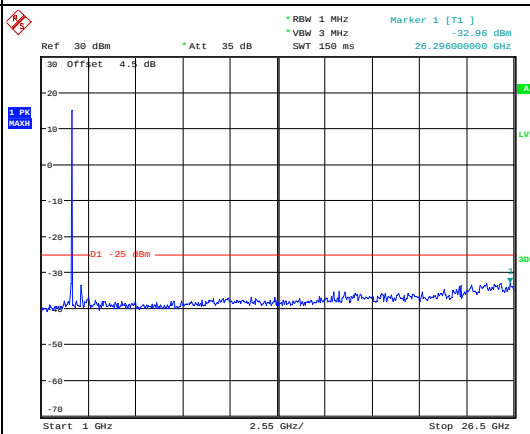
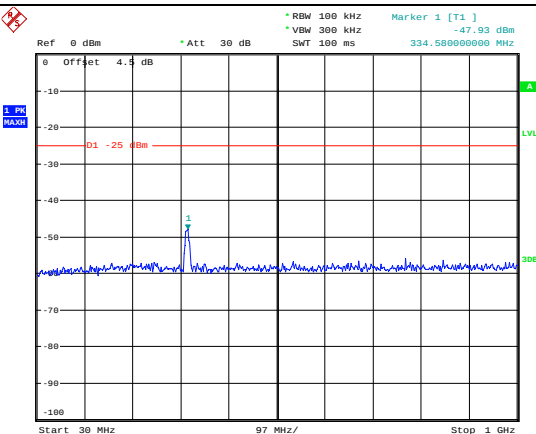
Lowest



Middle



Highest

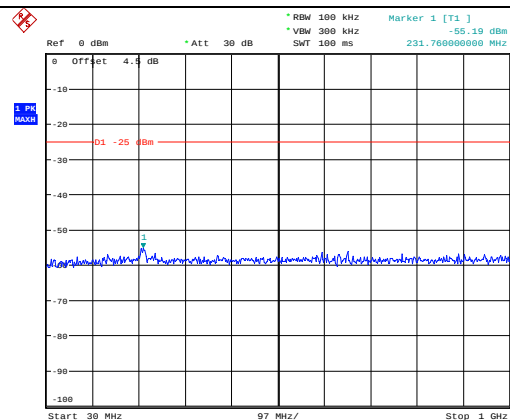


Spurious Emissions at Antenna Terminal

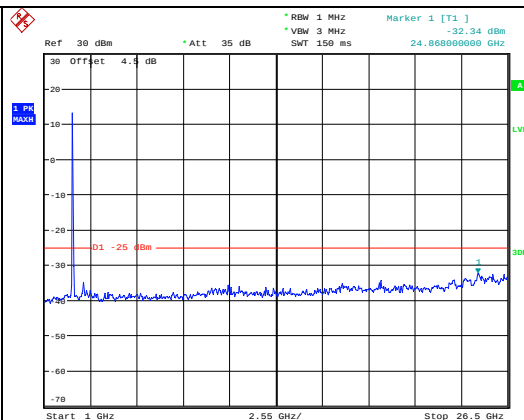
Channel

20MHz Bandwidth QPSK

Lowest

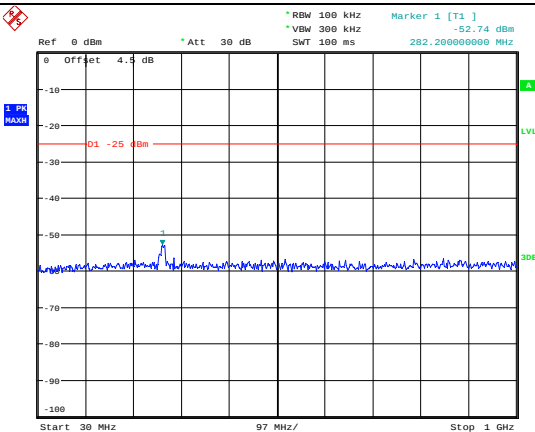


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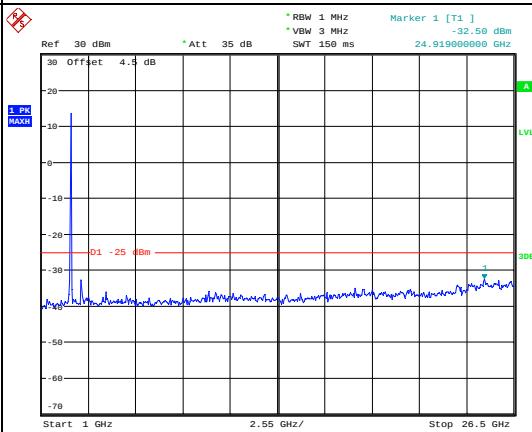


Date: 12.JUL.2022 12:06:34

Middle

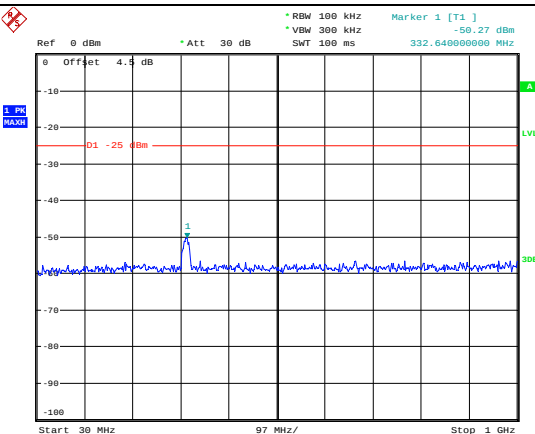


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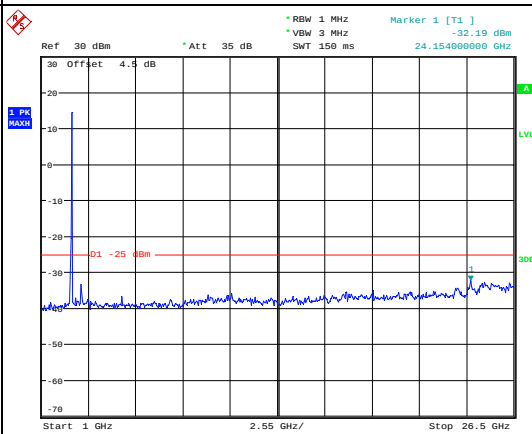


Date: 12.JUL.2022 12:07:13

Highest

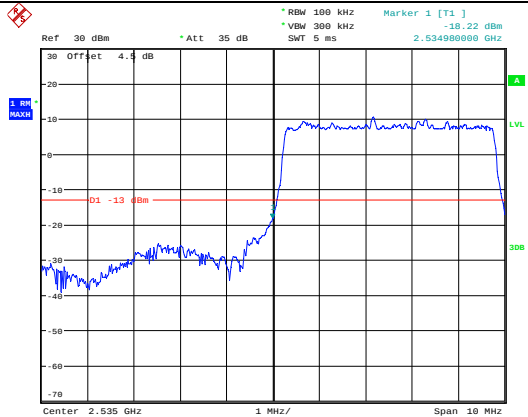
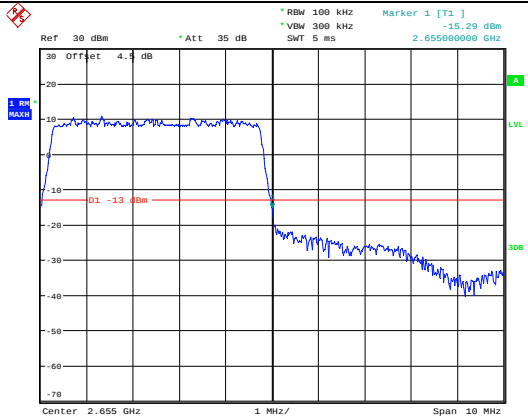
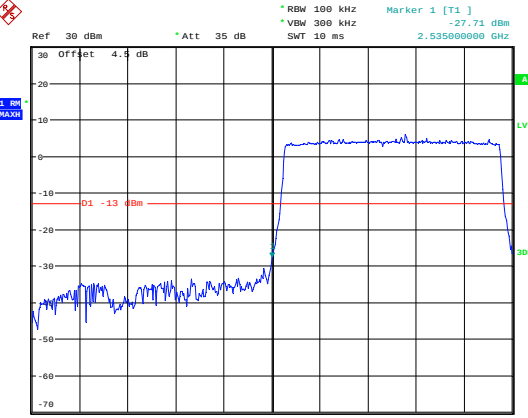
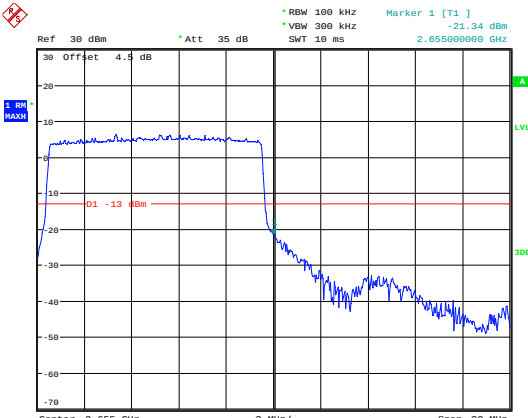
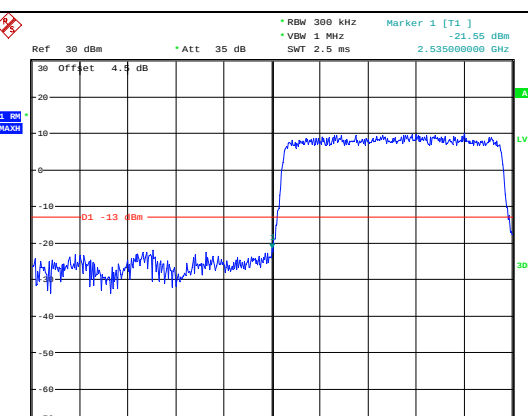
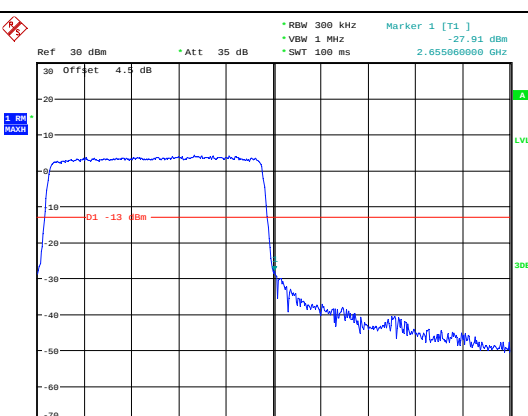


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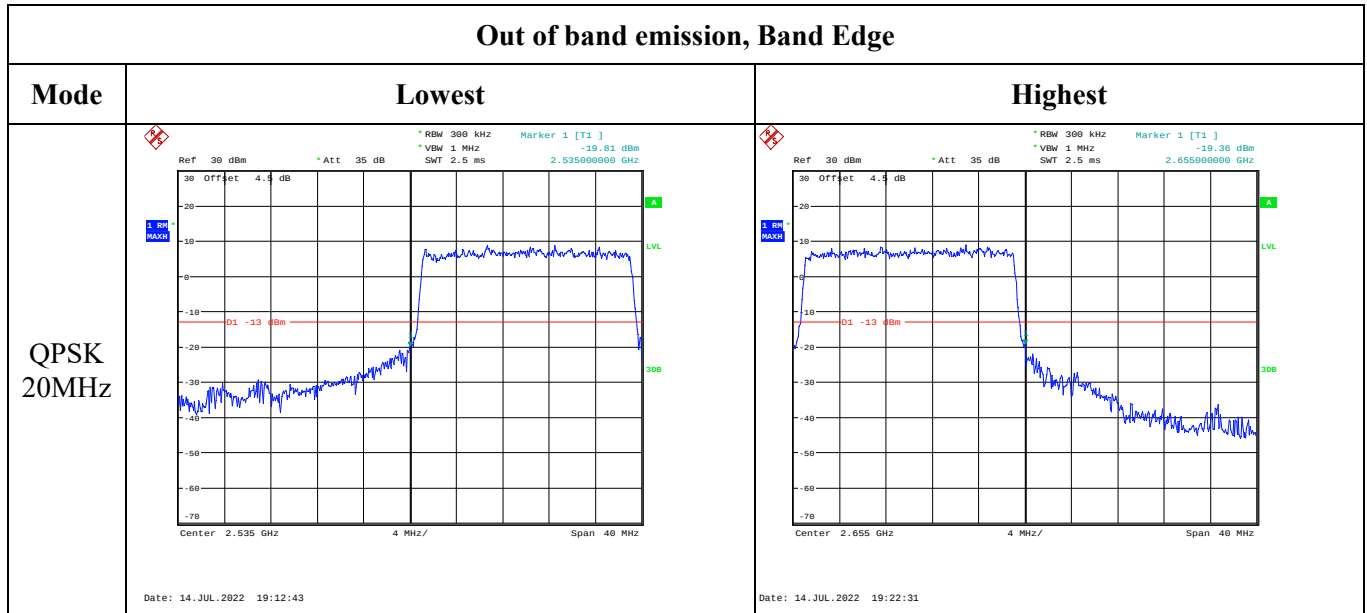


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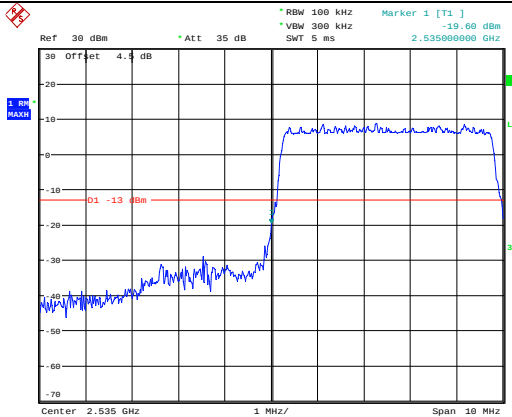
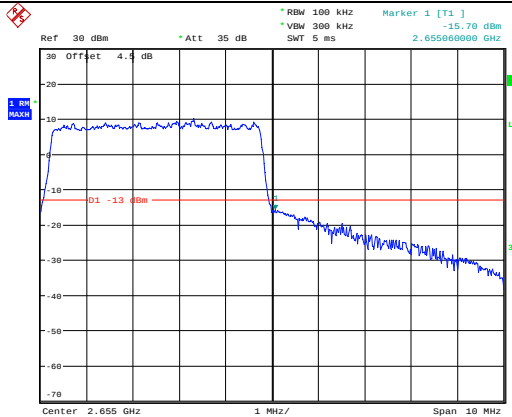
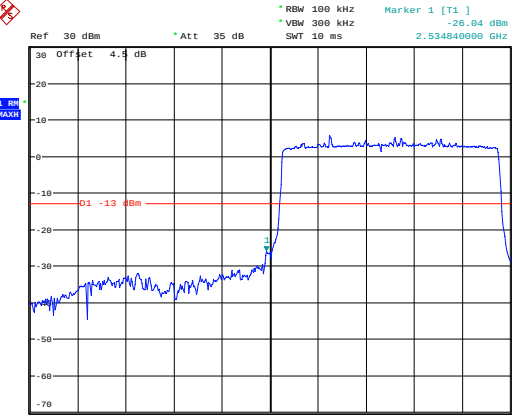
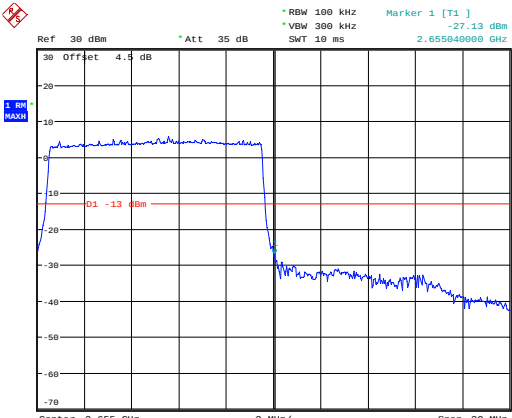
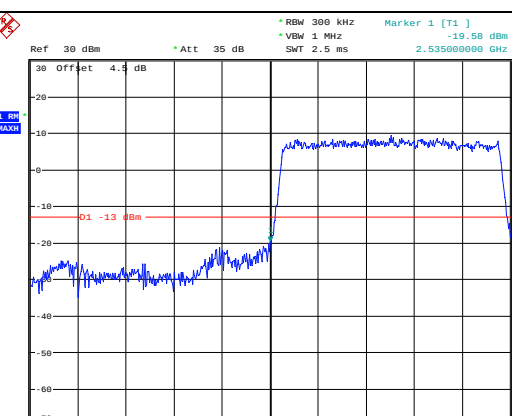
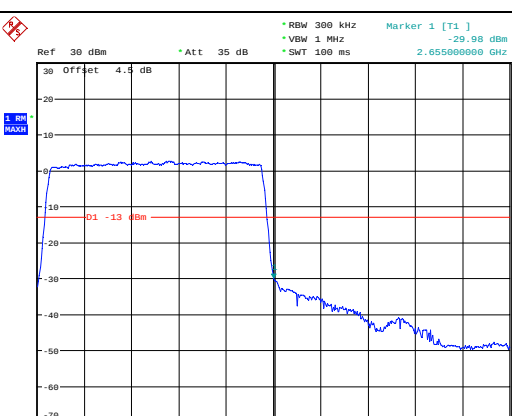
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz	 Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 5 ms Marker 1 [T1] -15.22 dBm 2.535000000 GHz Center 2.535 GHz 1 MHz/ Span 10 MHz Date: 14.JUL.2022 17:38:50	 Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 5 ms Marker 1 [T1] -15.29 dBm 2.655000000 GHz Center 2.655 GHz 1 MHz/ Span 10 MHz Date: 14.JUL.2022 17:45:12
QPSK 10MHz	 Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 10 ms Marker 1 [T1] -27.71 dBm 2.535000000 GHz Center 2.535 GHz 2 MHz/ Span 20 MHz Date: 14.JUL.2022 17:55:28	 Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 10 ms Marker 1 [T1] -21.34 dBm 2.655000000 GHz Center 2.655 GHz 2 MHz/ Span 20 MHz Date: 14.JUL.2022 18:03:40
QPSK 15MHz	 Ref 30 dBm * Att 35 dB RBW 300 kHz VBW 1 MHz SWT 2.5 ms Marker 1 [T1] -21.55 dBm 2.535000000 GHz Center 2.535 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2022 18:17:18	 Ref 30 dBm * Att 35 dB RBW 300 kHz VBW 1 MHz SWT 100 ms Marker 1 [T1] -27.91 dBm 2.655000000 GHz Center 2.655 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2022 18:28:50

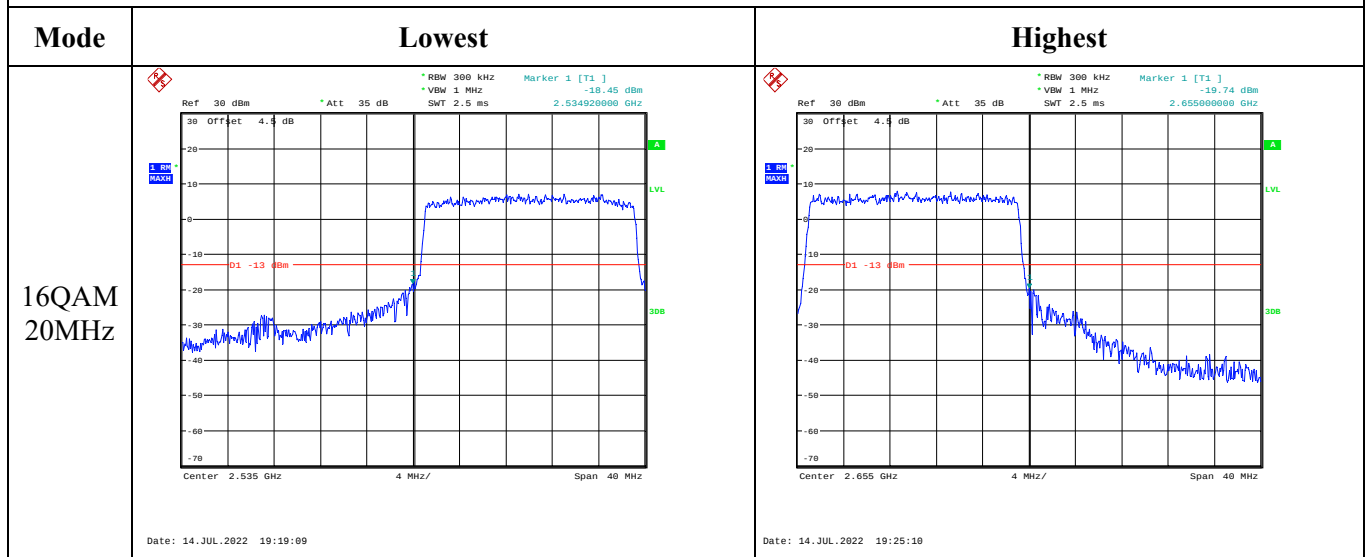
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz	 Ref 30 dBm * Att 35 dB RBW 100 kHz Marker 1 [T1] VBW 300 kHz -19.60 dBm SWT 5 ms 2.535000000 GHz Center 2.535 GHz 1 MHz/ Span 10 MHz Date: 14.JUL.2022 17:41:22	 Ref 30 dBm * Att 35 dB RBW 100 kHz Marker 1 [T1] VBW 300 kHz -15.78 dBm SWT 5 ms 2.655000000 GHz Center 2.655 GHz 1 MHz/ Span 10 MHz Date: 14.JUL.2022 17:51:04
16QAM 10MHz	 Ref 30 dBm * Att 35 dB RBW 100 kHz Marker 1 [T1] VBW 300 kHz -26.84 dBm SWT 10 ms 2.534840000 GHz Center 2.535 GHz 2 MHz/ Span 20 MHz Date: 14.JUL.2022 17:59:36	 Ref 30 dBm * Att 35 dB RBW 100 kHz Marker 1 [T1] VBW 300 kHz -27.13 dBm SWT 10 ms 2.655040000 GHz Center 2.655 GHz 2 MHz/ Span 20 MHz Date: 14.JUL.2022 18:12:33
16QAM 15MHz	 Ref 30 dBm * Att 35 dB RBW 300 kHz Marker 1 [T1] VBW 1 MHz -19.58 dBm SWT 2.5 ms 2.535000000 GHz Center 2.535 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2022 18:23:50	 Ref 30 dBm * Att 35 dB RBW 300 kHz Marker 1 [T1] VBW 1 MHz -29.98 dBm SWT 100 ms 2.655000000 GHz Center 2.655 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2022 19:28:33

Out of band emission, Band Edge



4.17 Antenna Port Test Data and Results for Module B LTE Band 41:

Serial Number:	CR22050041-RF-S1	Test Date:	2022/6/29-2022/7/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.6	Relative Humidity: (%)	43	ATM Pressure: (kPa)	100.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2021-07-22	2023-07-21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	144976	2021-07-22	2022-07-21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021-07-22	2022-07-21
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-29
Unknown	Coaxial tee connector	Unknown	2204006	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 G_T (dBi):	-0.75	Path Loss L_C (dB):	0
Operation Voltage(V_{DC}):			
Lowest:	3.5	Normal:	3.85
		Highest:	4.4

Test Frequency For Each Mode:

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

Test Data:**FCC§2.1046;§ 27.50(h)(2)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	19.76	20.05	19.96	19.38	33
	RB1#13	19.62	20.07	18.82		
	RB1#24	18.91	20.13	17.60		
	RB15#0	18.62	19.32	19.04		
	RB15#10	18.92	19.53	18.15		
	RB25#0	18.84	19.36	18.52		
5MHz 16QAM	RB1#0	18.35	19.71	19.27	18.98	33
	RB1#13	18.54	19.60	18.30		
	RB1#24	18.51	19.73	17.22		
	RB15#0	17.80	18.47	18.76		
	RB15#10	17.78	18.49	17.89		
	RB25#0	17.88	18.49	18.28		
10MHz QPSK	RB1#0	19.62	20.01	20.50	19.75	33
	RB1#25	19.68	20.12	19.95		
	RB1#49	19.56	19.99	18.85		
	RB25#0	19.00	19.42	19.80		
	RB25#25	19.03	19.45	19.65		
	RB50#0	19.03	19.25	19.61		
10MHz 16QAM	RB1#0	18.68	19.71	19.90	19.16	33
	RB1#25	18.33	19.91	18.94		
	RB1#49	18.25	19.76	17.77		
	RB25#0	17.99	18.50	17.81		
	RB25#25	17.91	18.41	17.91		
	RB50#0	18.01	18.52	18.00		
15MHz QPSK	RB1#0	19.07	20.17	20.73	19.98	33
	RB1#38	19.05	20.28	20.54		
	RB1#74	19.05	20.25	20.15		
	RB36#0	19.02	20.26	20.73		
	RB36#39	18.95	20.13	19.67		
	RB75#0	19.80	20.21	20.31		
15MHz 16QAM	RB1#0	18.82	19.88	19.95	19.2	33
	RB1#38	18.77	19.86	19.86		
	RB1#74	18.49	19.15	19.87		
	RB36#0	17.75	19.26	19.91		
	RB36#39	17.87	19.44	19.70		
	RB75#0	17.87	19.68	19.84		
20MHz QPSK	RB1#0	19.67	20.23	20.33	20.1	33

	RB1#50	19.73	20.24	20.41		
	RB1#99	19.79	20.19	20.31		
	RB50#0	20.09	20.23	20.78		
	RB50#50	19.80	20.25	20.56		
	RB100#0	19.88	20.15	20.85		
20MHz 16QAM	RB1#0	18.52	19.87	20.11	19.64	33
	RB1#50	18.84	19.94	20.39		
	RB1#99	18.68	19.61	19.85		
	RB50#0	18.51	19.54	19.76		
	RB50#50	18.67	19.15	19.72		
	RB100#0	18.70	19.23	19.77		
Note: EIRP=Conducted Power(dBm) - L _C (dB) + G _T (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	5.34	5.94	5.43	13
	RB100#0	5.54	5.91	5.65	13
20MHz 16QAM	RB1#0	5.67	5.43	5.67	13
	RB100#0	5.75	5.66	5.75	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	4.520	4.500	4.519	4.980	5.180	4.968
5MHz 16QAM	4.520	4.500	4.503	4.980	5.040	5.016
10MHz QPSK	8.960	8.960	8.920	9.760	9.960	9.640
10MHz 16QAM	8.920	8.960	8.960	9.560	9.680	9.600
15MHz QPSK	13.560	13.606	13.365	15.000	16.942	15.913
15MHz 16QAM	13.560	13.558	13.413	15.240	16.702	15.221
20MHz QPSK	17.920	17.920	17.840	21.760	19.600	19.120
20MHz 16QAM	17.920	17.920	17.680	21.760	20.160	19.440
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.
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FCC §2.1051, § 27.53:Out of band emission, Band Edge

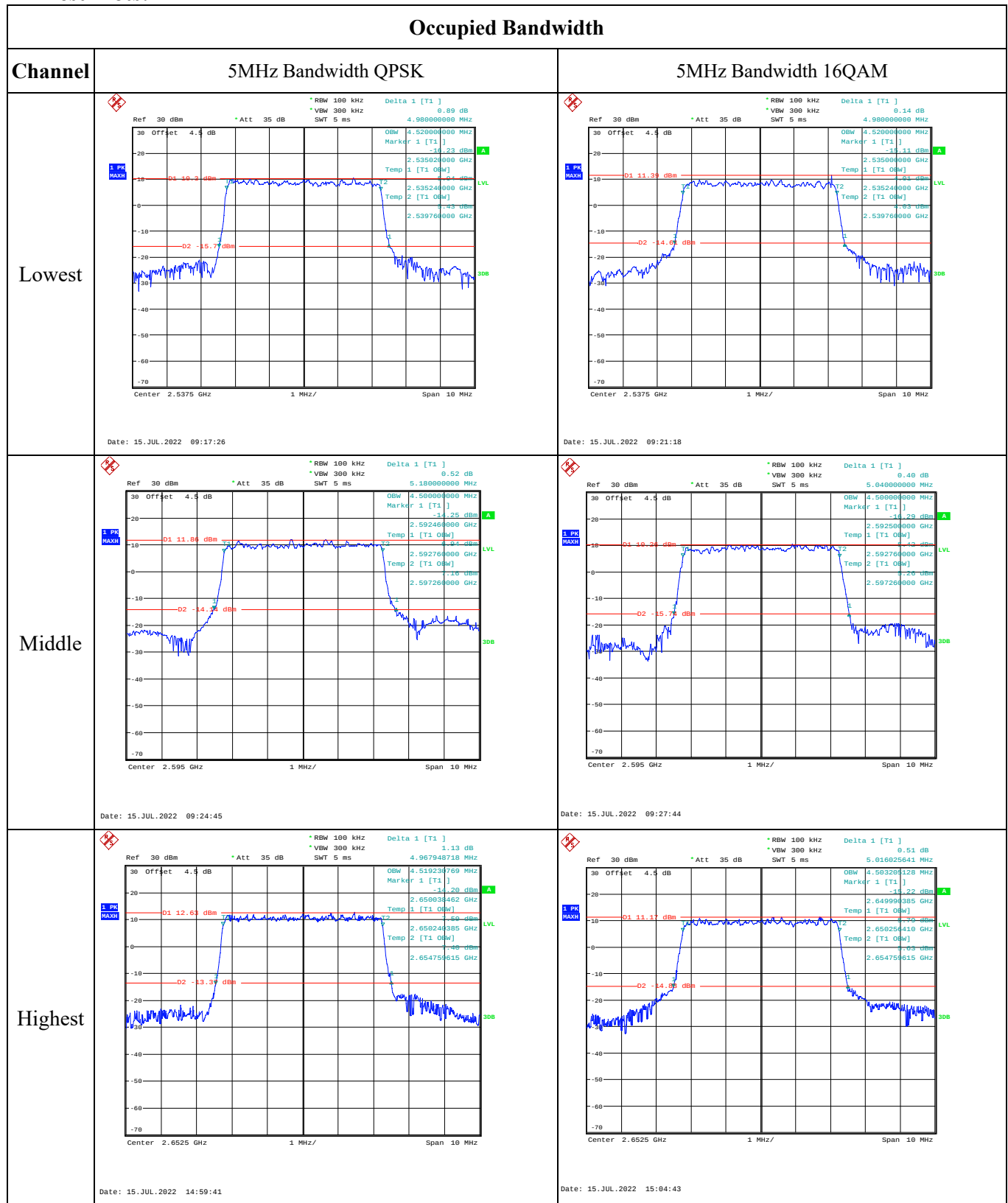
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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FCC §2.1055, §27.54: Frequency Stability

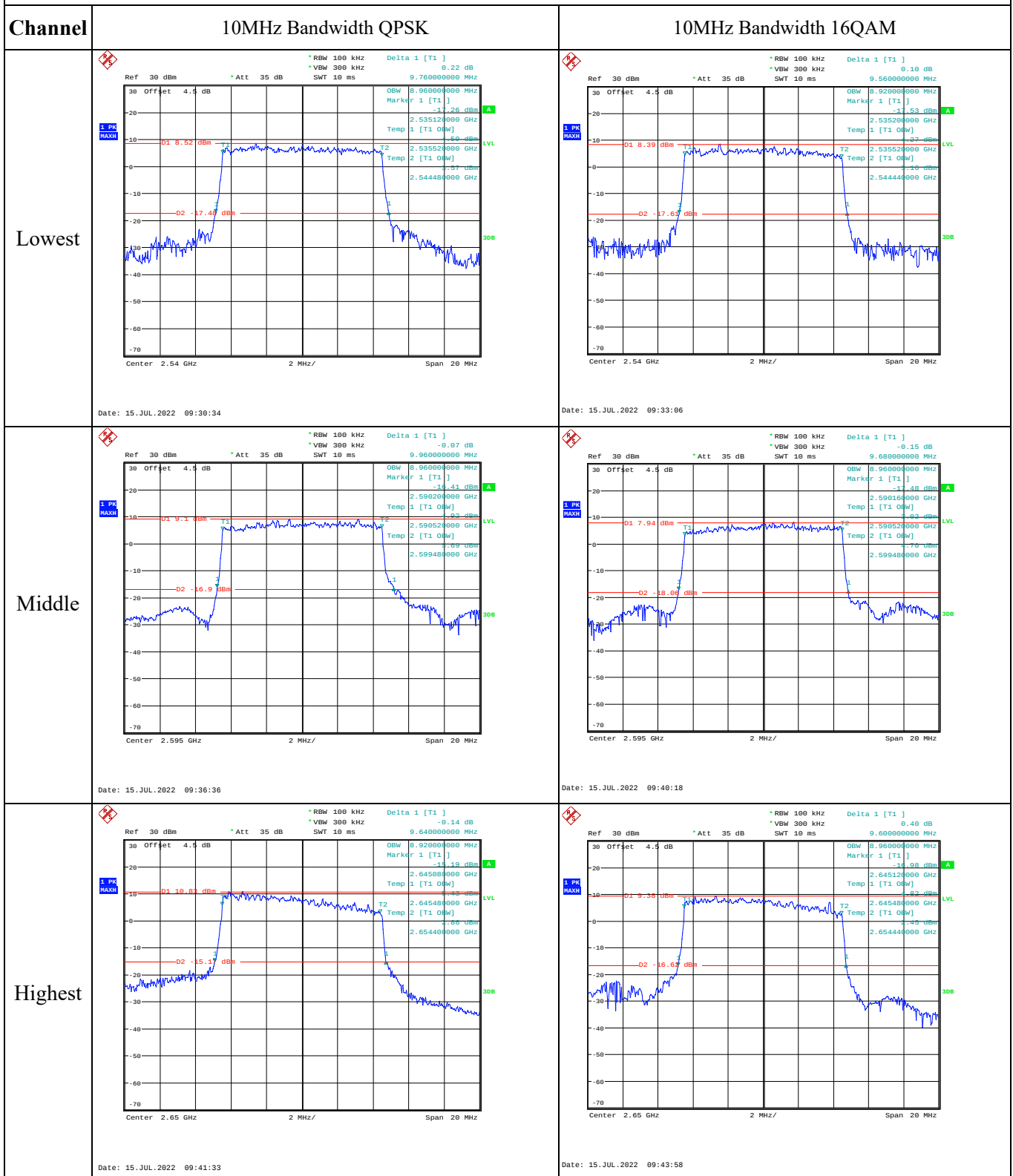
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.098	2535.00	2654.918	2655
	-20	3.85	2535.095	2535.00	2654.917	2655
	-10	3.85	2535.093	2535.00	2654.912	2655
	0	3.85	2535.093	2535.00	2654.911	2655
	10	3.85	2535.091	2535.00	2654.916	2655
	20	3.85	2535.090	2535.00	2654.910	2655
	30	3.85	2535.082	2535.00	2654.902	2655
	40	3.85	2535.081	2535.00	2654.901	2655
Frequency Stability vs. Voltage	20	3.5	2535.090	2535.00	2654.902	2655
	20	4.4	2535.820	2535.00	2654.901	2655
Result:					Pass	

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2535.033	2535.00	2654.918	2655
	-20	3.85	2535.029	2535.00	2654.914	2655
	-10	3.85	2535.035	2535.00	2654.913	2655
	0	3.85	2535.038	2535.00	2654.912	2655
	10	3.85	2535.028	2535.00	2654.917	2655
	20	3.85	2535.026	2535.00	2654.910	2655
	30	3.85	2535.020	2535.00	2654.905	2655
	40	3.85	2535.023	2535.00	2654.905	2655
Frequency Stability vs. Voltage	20	3.5	2535.017	2535.00	2654.906	2655
	20	4.4	2535.022	2535.00	2654.910	2655
Result:					Pass	

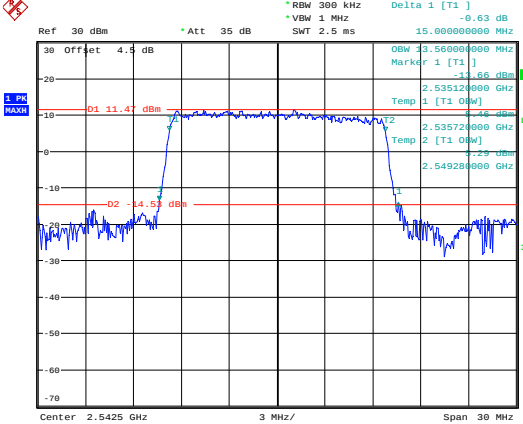
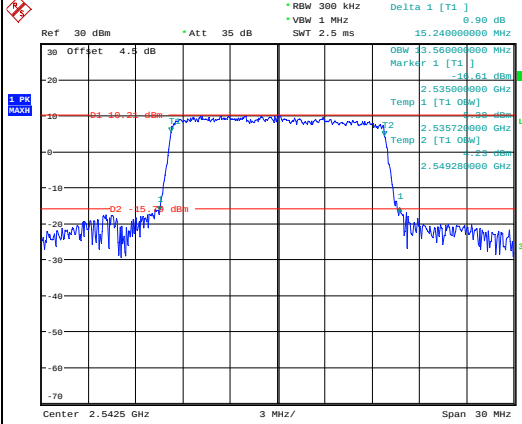
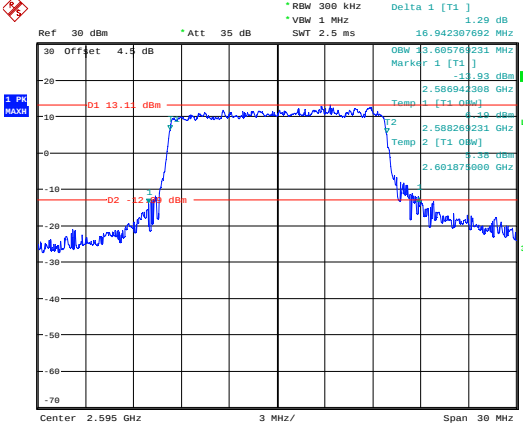
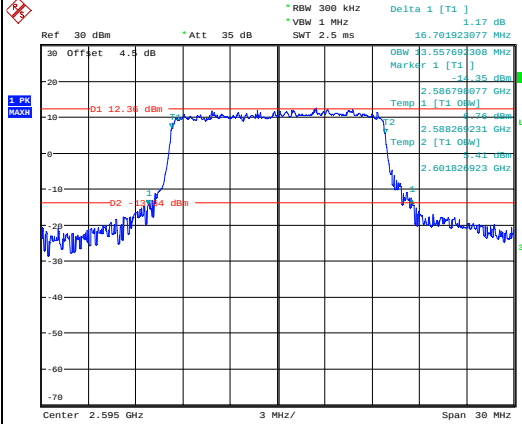
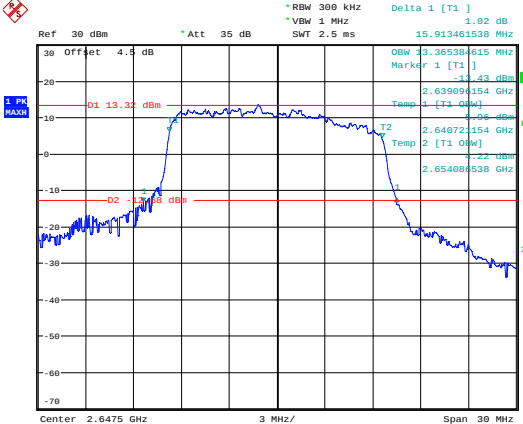
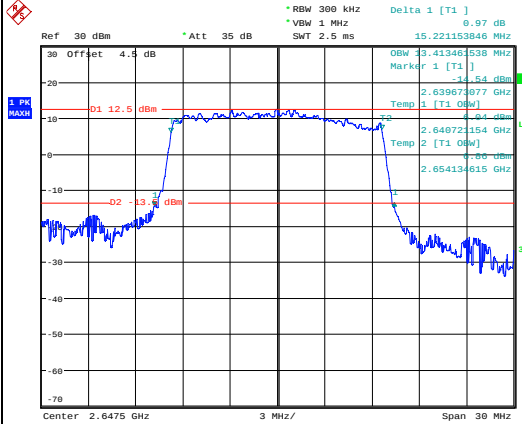
Test Plots:



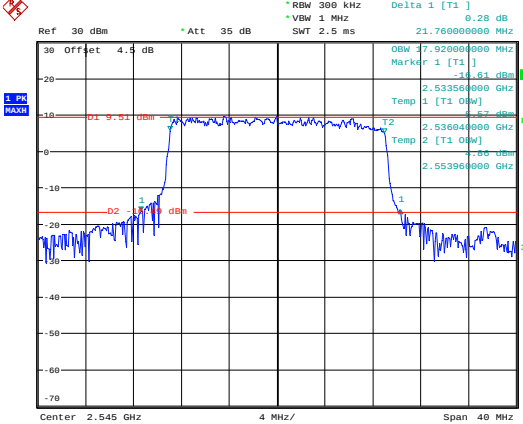
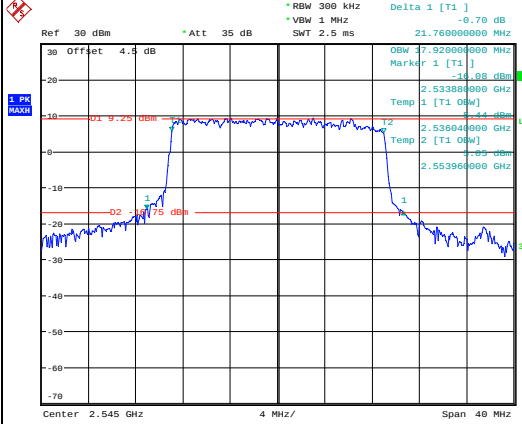
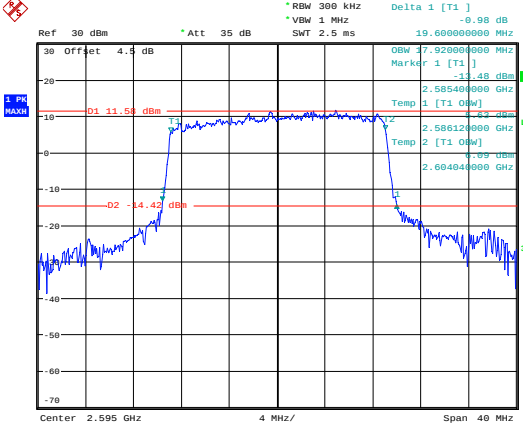
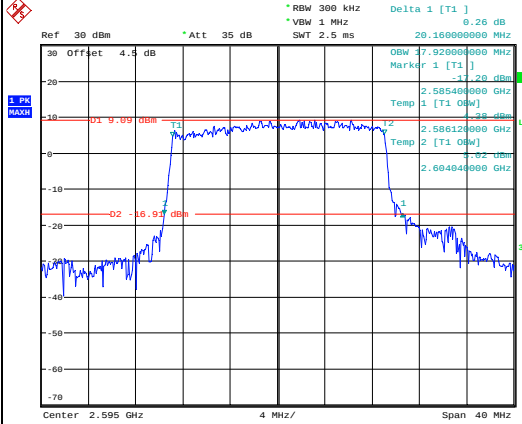
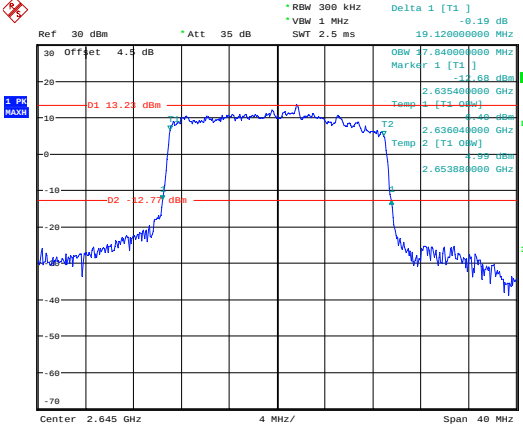
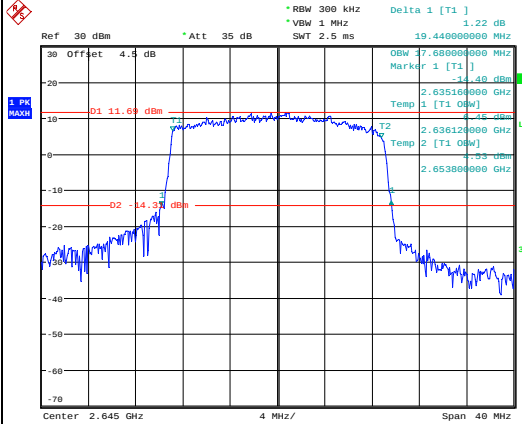
Occupied Bandwidth



Occupied Bandwidth

Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	 Ref 30 dBm *Att 35 dB RBW 300 kHz VBW 1 MHz SMT 2.5 ms Delta 1 [T1] -0.63 dB OBW 15.56000000 MHz Marker 1 [T1] -11.41 dBm Temp 2.535124000 GHz 1 [T1 0dB] Temp 2.535724000 GHz 2 [T1 0dB] Temp 2.549284000 GHz Center 2.5425 GHz 3 MHz/ Span 30 MHz Date: 15.JUL.2022 09:47:18	 Ref 30 dBm *Att 35 dB RBW 300 kHz VBW 1 MHz SMT 2.5 ms Delta 1 [T1] 0.90 dB OBW 15.249000000 MHz Marker 1 [T1] -10.31 dBm Temp 2.535004000 GHz 1 [T1 0dB] Temp 2.535724000 GHz 2 [T1 0dB] Temp 2.549284000 GHz Center 2.5425 GHz 3 MHz/ Span 30 MHz Date: 15.JUL.2022 09:50:19
Middle	 Ref 30 dBm *Att 35 dB RBW 300 kHz VBW 1 MHz SMT 2.5 ms Delta 1 [T1] 1.29 dB OBW 16.942307692 MHz Marker 1 [T1] -13.11 dBm Temp 2.586041300 GHz 1 [T1 0dB] Temp 2.588264231 GHz 2 [T1 0dB] Temp 2.601875000 GHz Center 2.595 GHz 3 MHz/ Span 30 MHz Date: 15.JUL.2022 15:11:22	 Ref 30 dBm *Att 35 dB RBW 300 kHz VBW 1 MHz SMT 2.5 ms Delta 1 [T1] 1.17 dB OBW 16.761923077 MHz Marker 1 [T1] -12.36 dBm Temp 2.586764077 GHz 1 [T1 0dB] Temp 2.588264231 GHz 2 [T1 0dB] Temp 2.601824923 GHz Center 2.595 GHz 3 MHz/ Span 30 MHz Date: 15.JUL.2022 15:15:19
Highest	 Ref 30 dBm *Att 35 dB RBW 300 kHz VBW 1 MHz SMT 2.5 ms Delta 1 [T1] 1.02 dB OBW 15.813461538 MHz Marker 1 [T1] -13.31 dBm Temp 2.639094154 GHz 1 [T1 0dB] Temp 2.640721154 GHz 2 [T1 0dB] Temp 2.654084538 GHz Center 2.6475 GHz 3 MHz/ Span 30 MHz Date: 15.JUL.2022 15:28:26	 Ref 30 dBm *Att 35 dB RBW 300 kHz VBW 1 MHz SMT 2.5 ms Delta 1 [T1] 0.97 dB OBW 15.221153846 MHz Marker 1 [T1] -12.5 dBm Temp 2.639074977 GHz 1 [T1 0dB] Temp 2.640721154 GHz 2 [T1 0dB] Temp 2.654134615 GHz Center 2.6475 GHz 3 MHz/ Span 30 MHz Date: 15.JUL.2022 15:35:04

Occupied Bandwidth

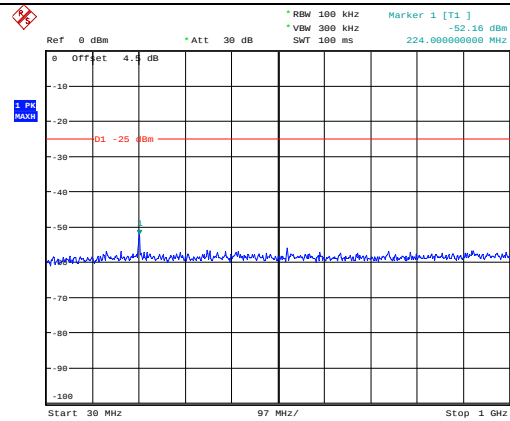
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	 Date: 15.JUL.2022 10:21:05	 Date: 15.JUL.2022 10:28:14
Middle	 Date: 15.JUL.2022 10:31:03	 Date: 15.JUL.2022 10:33:45
Highest	 Date: 15.JUL.2022 10:36:04	 Date: 15.JUL.2022 10:38:31

Spurious Emissions at Antenna Terminal

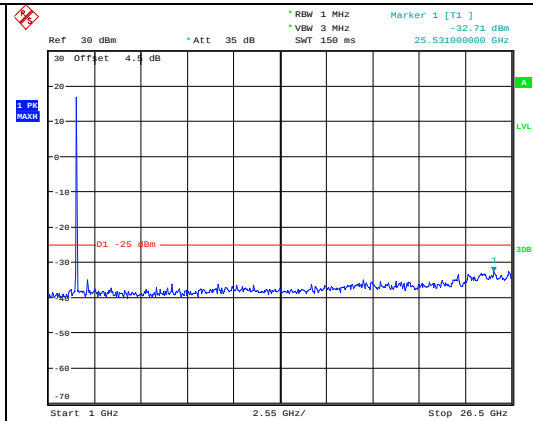
Channel

5MHz Bandwidth QPSK

Lowest

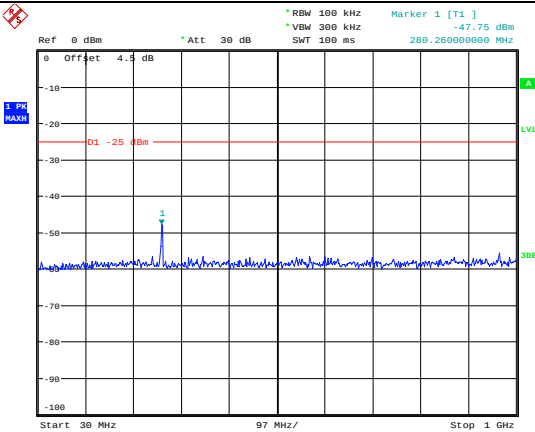


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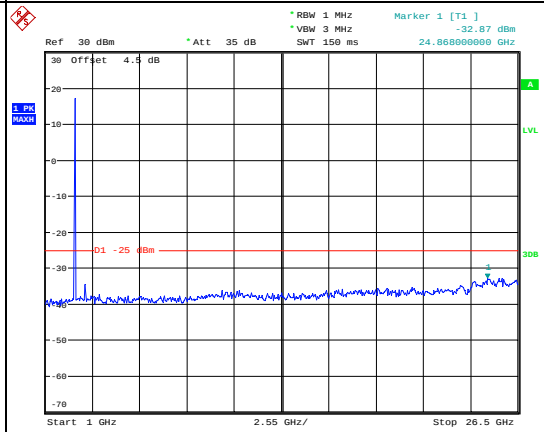


Date: 12.JUL.2022 15:32:17

Middle

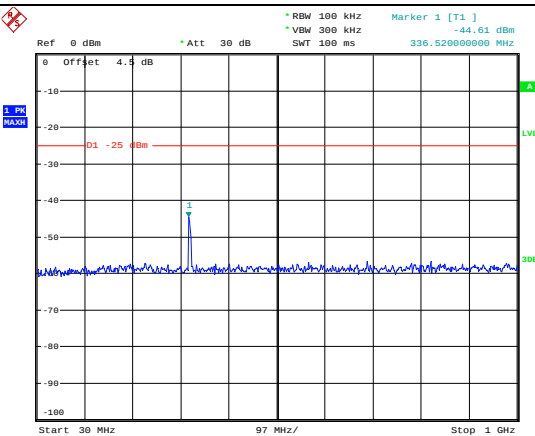


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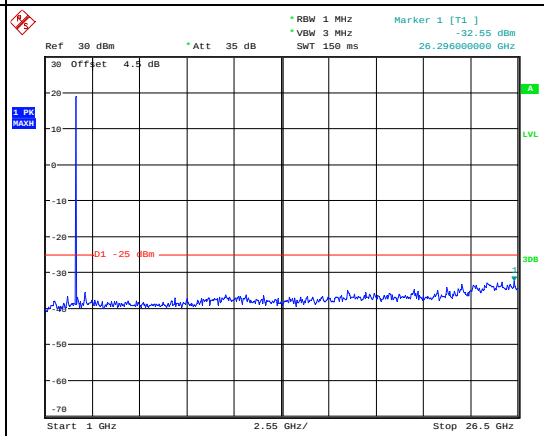


Date: 12.JUL.2022 15:32:49

Highest



Date: 12.JUL.2022 15:33:04



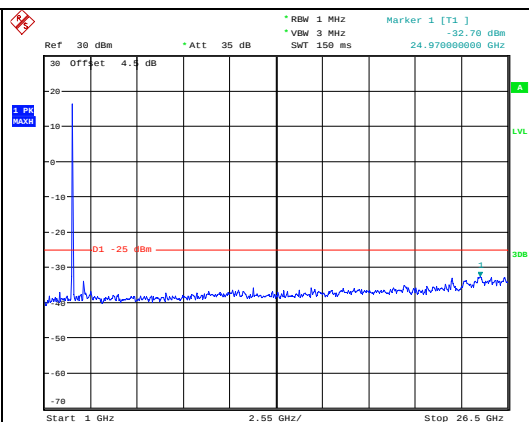
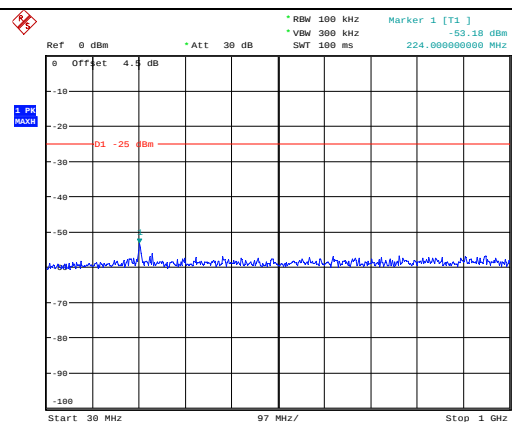
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Spurious Emissions at Antenna Terminal

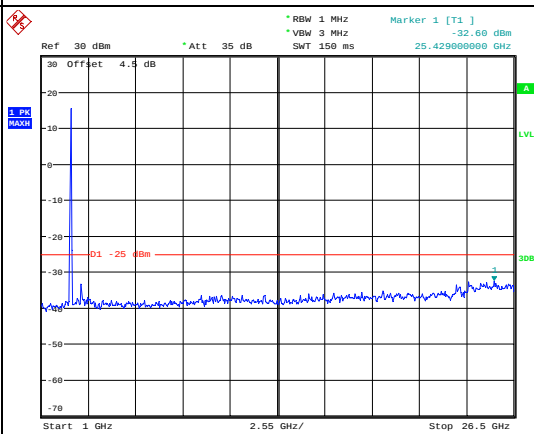
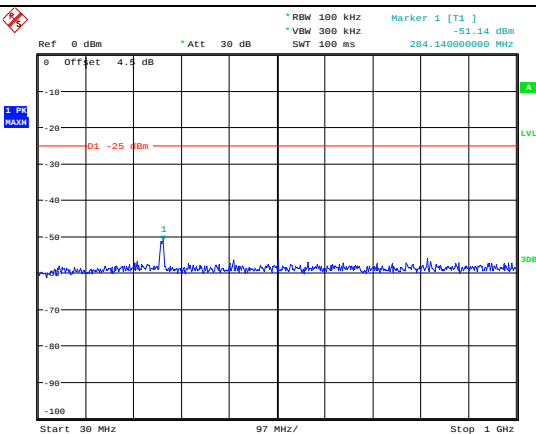
Channel

10MHz Bandwidth QPSK

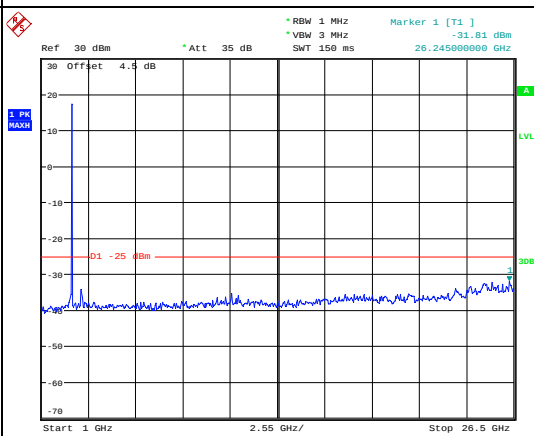
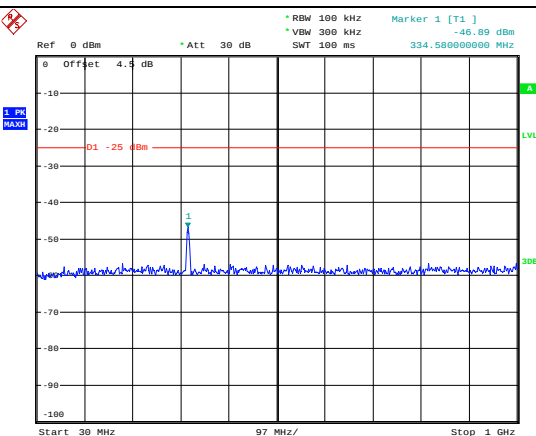
Lowest



Middle



Highest

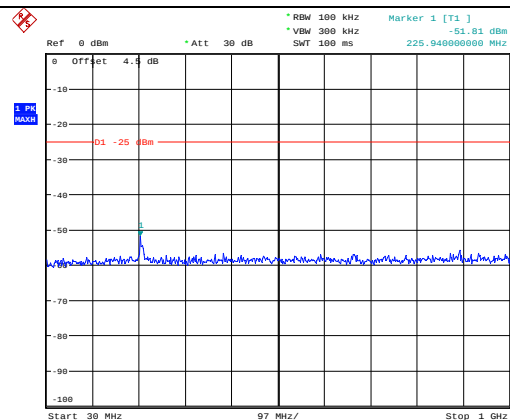


Spurious Emissions at Antenna Terminal

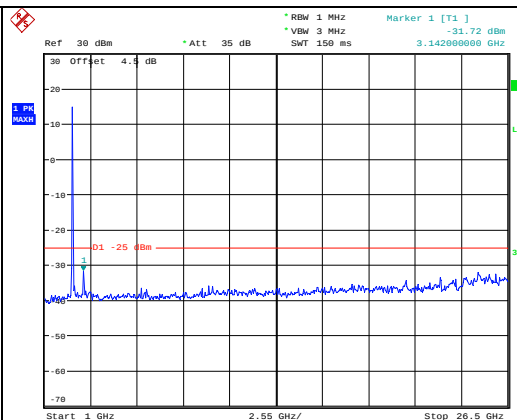
Channel

15MHz Bandwidth QPSK

Lowest

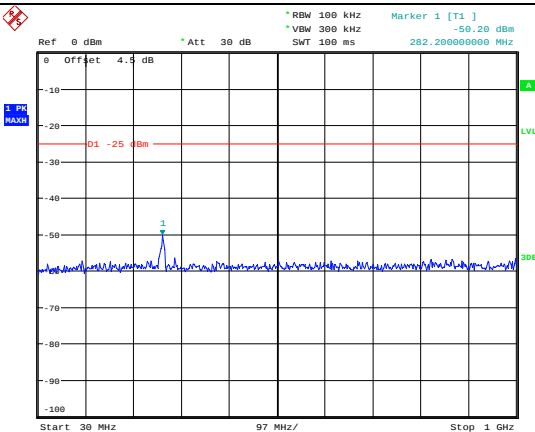


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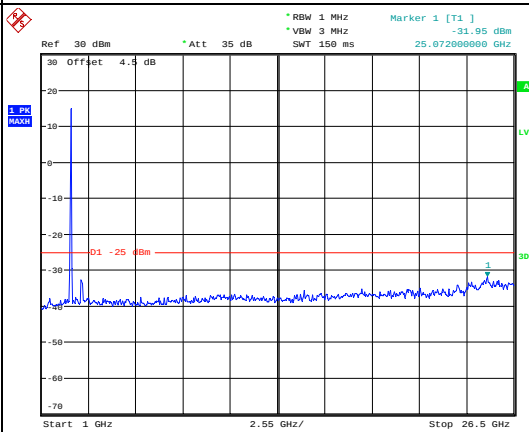


Date: 12.JUL.2022 15:35:19

Middle

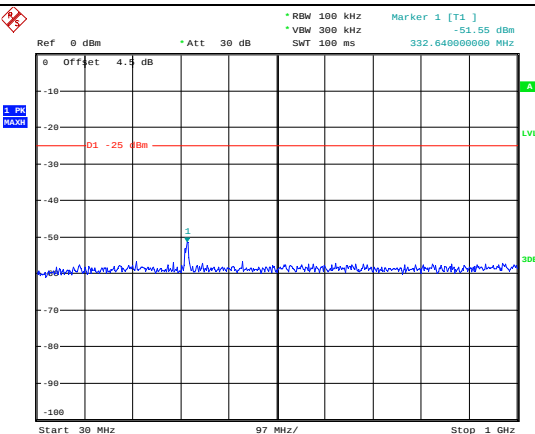


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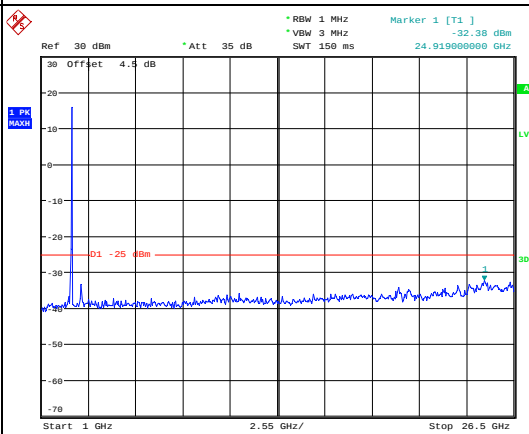


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Highest



Date: 12.JUL.2022 15:36:05



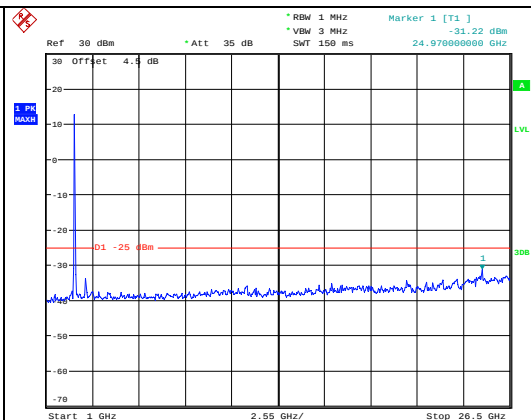
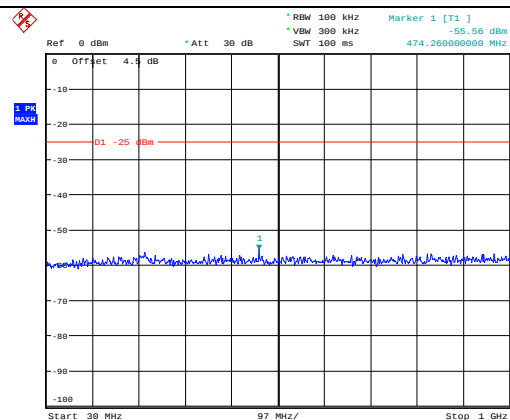
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Spurious Emissions at Antenna Terminal

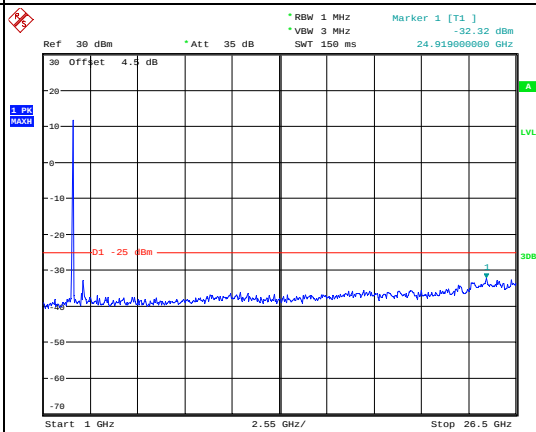
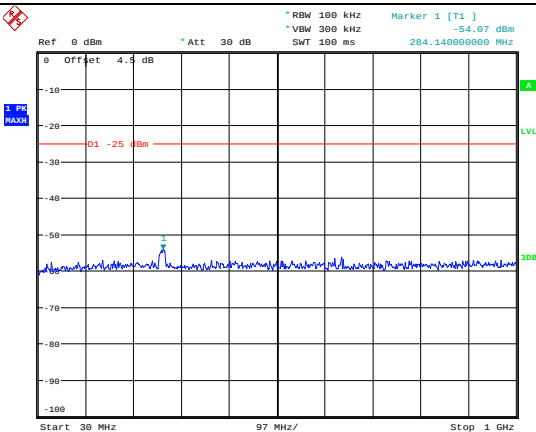
Channel

20MHz Bandwidth QPSK

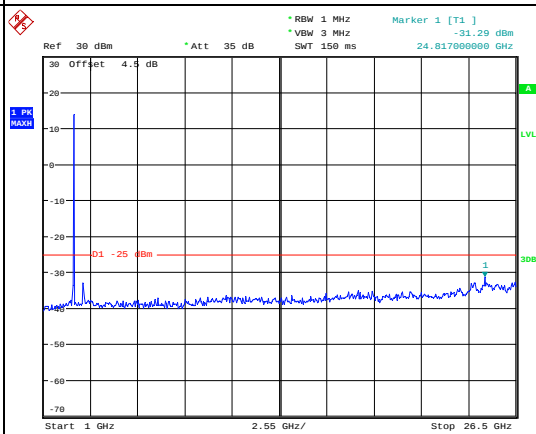
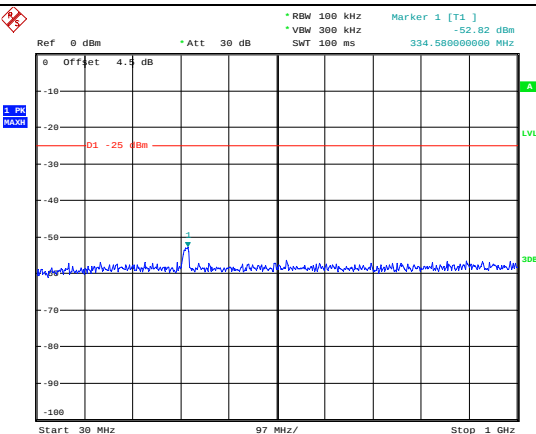
Lowest



Middle



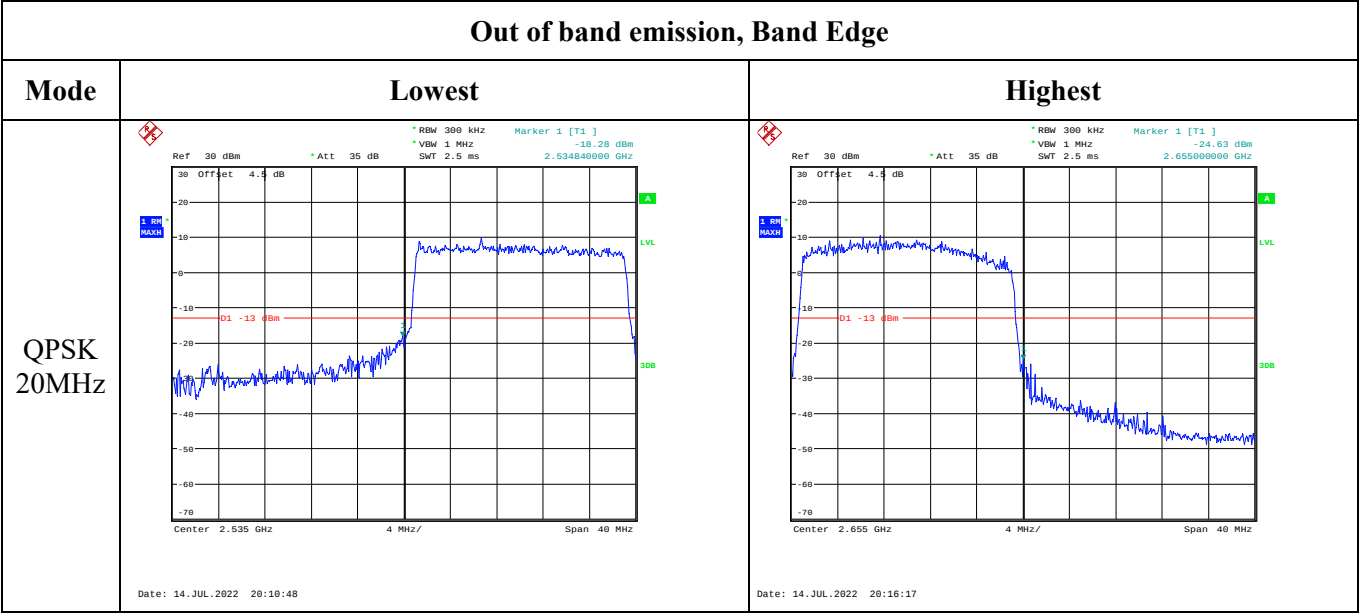
Highest



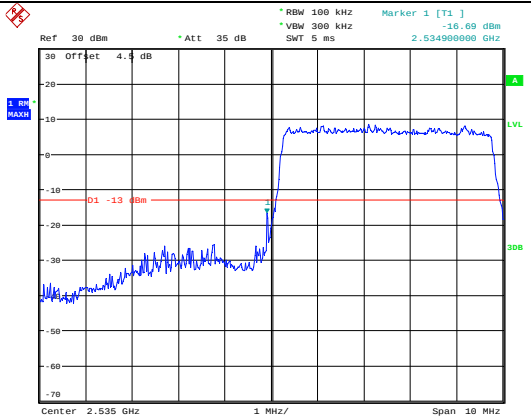
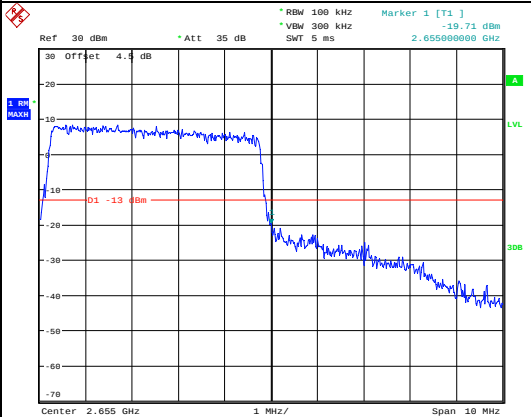
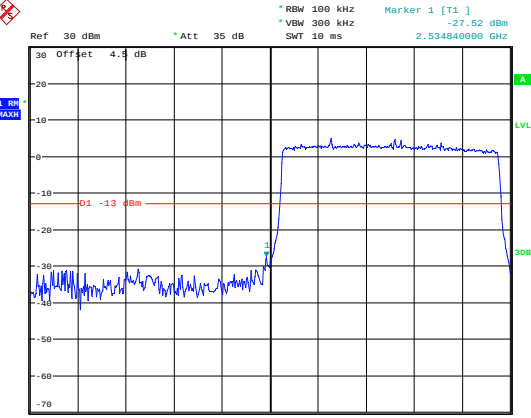
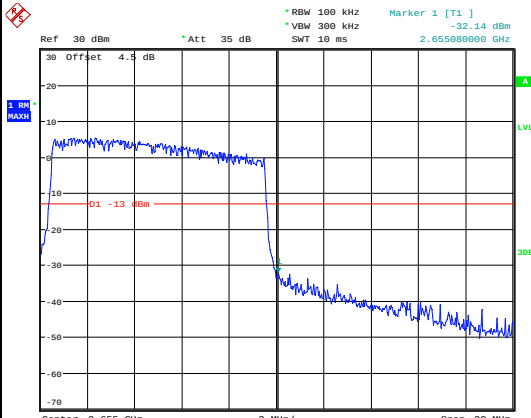
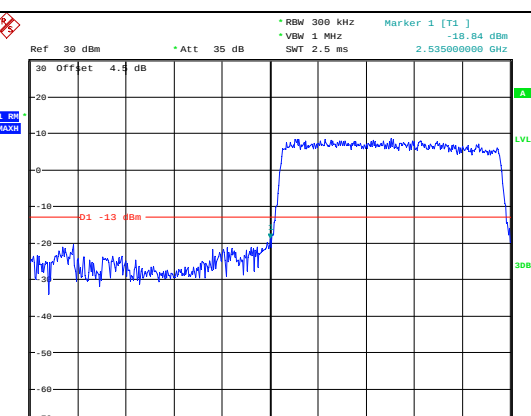
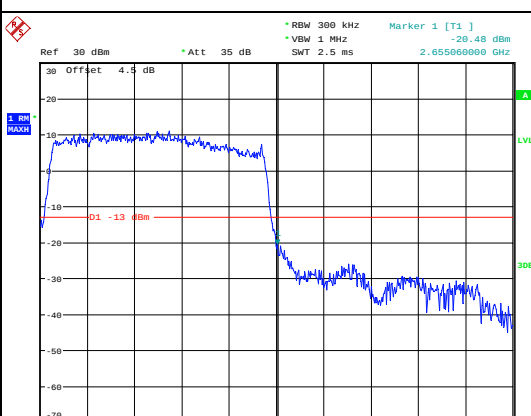
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz	Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 5 ms Marker 1 [T1] -17.86 dBm 2.535000000 GHz Center 2.535 GHz 1 MHz/ Span 10 MHz Date: 14.JUL.2022 19:37:00	Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 5 ms Marker 1 [T1] -19.61 dBm 2.655000000 GHz Center 2.655 GHz 1 MHz/ Span 10 MHz Date: 14.JUL.2022 19:42:59
QPSK 10MHz	Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 10 ms Marker 1 [T1] -26.52 dBm 2.535000000 GHz Center 2.535 GHz 2 MHz/ Span 20 MHz Date: 14.JUL.2022 19:44:51	Ref 30 dBm * Att 35 dB RBW 100 kHz VBW 300 kHz SWT 10 ms Marker 1 [T1] -25.55 dBm 2.655000000 GHz Center 2.655 GHz 2 MHz/ Span 20 MHz Date: 14.JUL.2022 19:48:09
QPSK 15MHz	Ref 30 dBm * Att 35 dB RBW 300 kHz VBW 1 MHz SWT 2.5 ms Marker 1 [T1] -19.94 dBm 2.535000000 GHz Center 2.535 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2022 19:52:31	Ref 30 dBm * Att 35 dB RBW 300 kHz VBW 1 MHz SWT 2.5 ms Marker 1 [T1] -16.32 dBm 2.655000000 GHz Center 2.655 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2022 20:01:14

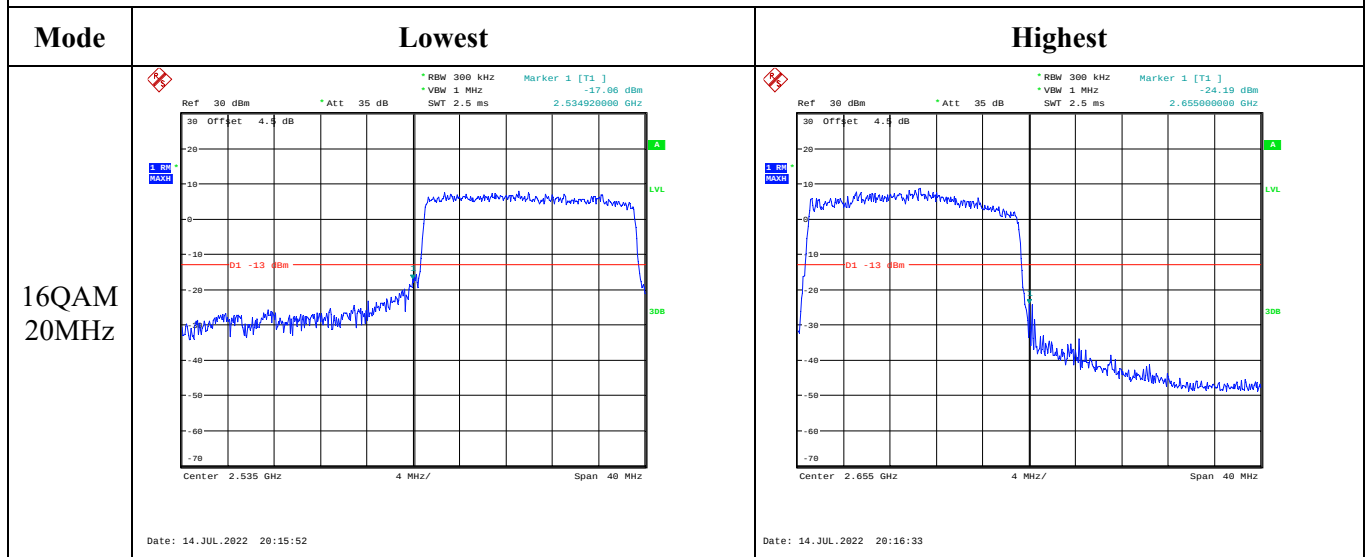
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz	 Date: 14.JUL.2022 19:42:38	 Date: 14.JUL.2022 19:43:19
16QAM 10MHz	 Date: 14.JUL.2022 19:47:48	 Date: 14.JUL.2022 19:48:29
16QAM 15MHz	 Date: 14.JUL.2022 19:57:41	 Date: 14.JUL.2022 20:07:23

Out of band emission, Band Edge



4.18 Radiated Spurious Emissions

Serial Number:	CR22050041-RF-S4	Test Date:	2022-06-06~2022-06-21
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Nick Tang, Carl Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.9 ~24.3	Relative Humidity: (%)	62~64	ATM Pressure: (kPa)	100.1~100.3
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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	MY43321352	2022-04-01	2023-03-31
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
R&S	Spectrum Analyzer	FSV40	101591	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	2023-10-17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2021-07-25	2022-07-24
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

* 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 C63.25 figure 5, the worst orientation was photographed and it's data was recorded.

Module A:**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)			
WCDMA Band 5 Frequency:826.4 MHz								
139.85	H	44.55	-67.75	0.00	0.22	-67.97	-13.00	54.97
43.91	V	43.52	-51.37	-21.24	0.12	-72.73	-13.00	59.73
1652.80	H	43.58	-60.75	8.68	0.81	-52.88	-13.00	39.88
1652.80	V	42.71	-61.70	8.68	0.81	-53.83	-13.00	40.83
2479.20	H	43.28	-57.48	9.39	1.01	-49.10	-13.00	36.10
2479.20	V	37.18	-63.55	9.39	1.01	-55.17	-13.00	42.17
3305.60	H	38.46	-58.27	10.32	1.15	-49.10	-13.00	36.10
3305.60	V	35.86	-60.64	10.32	1.15	-51.47	-13.00	38.47
WCDMA Band 5 Frequency:836.6MHz								
137.91	H	44.84	-67.44	0.00	0.22	-67.66	-13.00	54.66
43.91	V	43.07	-51.82	-21.24	0.12	-73.18	-13.00	60.18
1673.20	H	39.79	-64.52	8.71	0.85	-56.66	-13.00	43.66
1673.20	V	42.31	-62.10	8.71	0.85	-54.24	-13.00	41.24
2509.80	H	36.02	-64.59	9.42	1.01	-56.18	-13.00	43.18
2509.80	V	35.73	-64.89	9.42	1.01	-56.48	-13.00	43.48
3346.40	H	37.32	-59.85	10.34	1.16	-50.67	-13.00	37.67
3346.40	V	36.65	-60.38	10.34	1.16	-51.20	-13.00	38.20
WCDMA Band 5 Frequency:846.6MHz								
134.17	H	44.42	-67.82	0.00	0.22	-68.04	-13.00	55.04
44.05	V	42.62	-52.45	-21.05	0.12	-73.62	-13.00	60.62
1693.20	H	41.62	-62.68	8.73	0.89	-54.84	-13.00	41.84
1693.20	V	38.12	-66.30	8.73	0.89	-58.46	-13.00	45.46
2539.80	H	35.56	-64.82	9.46	1.01	-56.37	-13.00	43.37
2539.80	V	38.89	-61.45	9.46	1.01	-53.00	-13.00	40.00
3386.40	H	39.79	-57.80	10.35	1.18	-48.63	-13.00	35.63
3386.40	V	38.82	-58.72	10.35	1.18	-49.55	-13.00	36.55

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)			
WCDMA Band II, Frequency:1852.4 MHz								
140.95	H	42.13	-70.14	0.00	0.22	-70.36	-13.00	57.36
44.05	V	42.93	-52.14	-21.05	0.12	-73.31	-13.00	60.31
3704.80	H	39.34	-57.92	10.60	1.25	-48.57	-13.00	35.57
3704.80	V	45.85	-51.38	10.60	1.25	-42.03	-13.00	29.03
5557.20	H	39.77	-53.51	11.43	1.49	-43.57	-13.00	30.57
5557.20	V	38.54	-54.59	11.43	1.49	-44.65	-13.00	31.65
WCDMA Band II, Frequency:1880 MHz								
139.99	H	41.99	-70.31	0.00	0.22	-70.53	-13.00	57.53
43.08	V	43.62	-50.19	-22.33	0.12	-72.64	-13.00	59.64
3760.00	H	41.52	-54.89	10.66	1.24	-45.47	-13.00	32.47
3760.00	V	47.29	-49.00	10.66	1.24	-39.58	-13.00	26.58
5640.00	H	39.38	-54.07	11.33	1.54	-44.28	-13.00	31.28
5640.00	V	35.57	-57.76	11.33	1.54	-47.97	-13.00	34.97
WCDMA Band II, Frequency:1907.6MHz								
139.99	H	43.44	-68.86	0.00	0.22	-69.08	-13.00	56.08
43.08	V	43.19	-50.62	-22.33	0.12	-73.07	-13.00	60.07
3815.20	H	44.96	-50.89	10.72	1.29	-41.46	-13.00	28.46
3815.20	V	49.39	-46.30	10.72	1.29	-36.87	-13.00	23.87
5722.80	H	41.20	-52.29	11.23	1.58	-42.64	-13.00	29.64
5722.80	V	39.85	-53.50	11.23	1.58	-43.85	-13.00	30.85

AWS Band(Part 27)**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)			
WCDMA Band IV, Frequency:1712.4 MHz								
133.20	H	42.59	-69.64	0.00	0.22	-69.86	-13.00	56.86
43.08	V	43.57	-50.24	-22.33	0.12	-72.69	-13.00	59.69
3424.80	H	40.59	-57.18	10.37	1.17	-47.98	-13.00	34.98
3424.80	V	40.17	-57.57	10.37	1.17	-48.37	-13.00	35.37
5137.20	H	35.81	-57.81	11.28	1.46	-47.99	-13.00	34.99
5137.20	V	35.51	-57.99	11.28	1.46	-48.17	-13.00	35.17
WCDMA Band IV, Frequency:1732.6 MHz								
140.95	H	42.89	-69.38	0.00	0.22	-69.60	-13.00	56.60
43.08	V	43.48	-50.33	-22.33	0.12	-72.78	-13.00	59.78
3465.20	H	43.95	-53.86	10.39	1.15	-44.62	-13.00	31.62
3465.20	V	45.81	-51.96	10.39	1.15	-42.72	-13.00	29.72
5197.80	H	38.10	-56.03	11.32	1.44	-46.15	-13.00	33.15
5197.80	V	36.26	-57.72	11.32	1.44	-47.84	-13.00	34.84
WCDMA Band IV, Frequency:1752.6MHz								
139.99	H	42.85	-69.45	0.00	0.22	-69.67	-13.00	56.67
44.05	V	42.80	-52.27	-21.05	0.12	-73.44	-13.00	60.44
3505.20	H	44.21	-53.62	10.41	1.18	-44.39	-13.00	31.39
3505.20	V	46.70	-51.07	10.41	1.18	-41.84	-13.00	28.84
5257.80	H	39.28	-54.45	11.35	1.47	-44.57	-13.00	31.57
5257.80	V	36.86	-56.65	11.35	1.47	-46.77	-13.00	33.77

LTE Bands:**LTE Band 2 (30MHz-20GHz):**

E1E Band 2 (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:1850.7 MHz								
139.02	H	42.86	-69.43	0.00	0.22	-69.65	-13.00	56.65
43.08	V	42.93	-50.88	-22.33	0.12	-73.33	-13.00	60.33
3701.40	H	43.67	-53.64	10.60	1.25	-44.29	-13.00	31.29
3701.40	V	40.88	-56.41	10.60	1.25	-47.06	-13.00	34.06
5552.10	H	41.28	-51.99	11.44	1.49	-42.04	-13.00	29.04
5552.10	V	42.32	-50.78	11.44	1.49	-40.83	-13.00	27.83
QPSK,Frequency:1880 MHz								
141.92	H	41.40	-70.83	0.00	0.21	-71.04	-13.00	58.04
44.05	V	42.70	-52.37	-21.05	0.12	-73.54	-13.00	60.54
3760.00	H	45.86	-50.55	10.66	1.24	-41.13	-13.00	28.13
3760.00	V	41.87	-54.42	10.66	1.24	-45.00	-13.00	32.00
5640.00	H	41.13	-52.32	11.33	1.54	-42.53	-13.00	29.53
5640.00	V	43.50	-49.83	11.33	1.54	-40.04	-13.00	27.04
QPSK,Frequency:1909.3 MHz								
139.99	H	42.70	-69.60	0.00	0.22	-69.82	-13.00	56.82
43.08	V	43.06	-50.75	-22.33	0.12	-73.20	-13.00	60.20
3818.60	H	51.57	-44.29	10.72	1.29	-34.86	-13.00	21.86
3818.60	V	44.02	-51.69	10.72	1.29	-42.26	-13.00	29.26
5727.90	H	43.37	-50.11	11.23	1.59	-40.47	-13.00	27.47
5727.90	V	43.50	-49.86	11.23	1.59	-40.22	-13.00	27.22

LTE Band 4 (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:1710.7 MHz								
136.11	H	41.29	-70.97	0.00	0.22	-71.19	-13.00	58.19
40.05	V	42.80	-47.08	-26.33	0.11	-73.52	-13.00	60.52
3421.40	H	37.71	-60.05	10.37	1.17	-50.85	-13.00	37.85
3421.40	V	42.12	-55.61	10.37	1.17	-46.41	-13.00	33.41
5132.10	H	36.40	-57.17	11.28	1.47	-47.36	-13.00	34.36
5132.10	V	39.15	-54.31	11.28	1.47	-44.50	-13.00	31.50
QPSK,Frequency:1732.5 MHz								
140.95	H	42.14	-70.13	0.00	0.22	-70.35	-13.00	57.35
44.05	V	41.94	-53.13	-21.05	0.12	-74.30	-13.00	61.30
3465.00	H	43.04	-54.77	10.39	1.15	-45.53	-13.00	32.53
3465.00	V	45.88	-51.89	10.39	1.15	-42.65	-13.00	29.65
5197.50	H	38.27	-55.86	11.32	1.44	-45.98	-13.00	32.98
5197.50	V	40.14	-53.84	11.32	1.44	-43.96	-13.00	30.96
QPSK,Frequency:1752.6 MHz								
44.05	H	42.47	-48.31	-21.05	0.12	-69.48	-13.00	56.48
43.08	V	42.35	-51.46	-22.33	0.12	-73.91	-13.00	60.91
3505.20	H	44.67	-53.16	10.41	1.18	-43.93	-13.00	30.93
3505.20	V	45.71	-52.06	10.41	1.18	-42.83	-13.00	29.83
5257.80	H	37.19	-56.54	11.35	1.47	-46.66	-13.00	33.66
5257.80	V	41.13	-52.38	11.35	1.47	-42.50	-13.00	29.50

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								
140.95	H	41.98	-70.29	0.00	0.22	-70.51	-13.00	57.51
869.67	V	43.62	-53.51	0.00	0.58	-54.09	-13.00	41.09
1649.40	H	42.06	-62.27	8.68	0.80	-54.39	-13.00	41.39
1649.40	V	41.44	-62.97	8.68	0.80	-55.09	-13.00	42.09
2474.10	H	38.53	-62.25	9.38	1.00	-53.87	-13.00	40.87
2474.10	V	39.15	-61.58	9.38	1.00	-53.20	-13.00	40.20
3298.80	H	39.04	-57.64	10.32	1.15	-48.47	-13.00	35.47
3298.80	V	40.90	-55.54	10.32	1.15	-46.37	-13.00	33.37
QPSK, Frequency: 836.5 MHz								
141.92	H	41.72	-70.51	0.00	0.21	-70.72	-13.00	57.72
882.26	V	44.70	-52.14	0.00	0.59	-52.73	-13.00	39.73
1673.00	H	40.61	-63.70	8.71	0.85	-55.84	-13.00	42.84
1673.00	V	40.63	-63.78	8.71	0.85	-55.92	-13.00	42.92
2509.50	H	36.59	-64.02	9.42	1.01	-55.61	-13.00	42.61
2509.50	V	37.41	-63.21	9.42	1.01	-54.80	-13.00	41.80
3346.00	H	39.10	-58.06	10.34	1.16	-48.88	-13.00	35.88
3346.00	V	40.58	-56.44	10.34	1.16	-47.26	-13.00	34.26
QPSK, Frequency: 848.3 MHz								
141.92	H	42.30	-69.93	0.00	0.21	-70.14	-13.00	57.14
893.89	V	43.38	-53.19	0.00	0.66	-53.85	-13.00	40.85
1696.60	H	39.95	-64.34	8.74	0.89	-56.49	-13.00	43.49
1696.60	V	41.79	-62.63	8.74	0.89	-54.78	-13.00	41.78
2544.90	H	37.81	-62.53	9.47	1.01	-54.07	-13.00	41.07
2544.90	V	36.47	-63.83	9.47	1.01	-55.37	-13.00	42.37
3393.20	H	42.05	-55.62	10.36	1.19	-46.45	-13.00	33.45
3393.20	V	43.99	-53.64	10.36	1.19	-44.47	-13.00	31.47

LTE Band 7(30MHz-26.5GHz):

EYE Band A (COMB 203CH)			Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2502.5 MHz								
140.95	H	43.46	-68.81	0.00	0.22	-69.03	-25.00	44.03
44.05	V	42.79	-52.28	-21.05	0.12	-73.45	-25.00	48.45
5005.00	H	38.59	-54.37	11.20	1.47	-44.64	-25.00	19.64
5005.00	V	36.95	-55.87	11.20	1.47	-46.14	-25.00	21.14
7507.50	H	33.81	-55.98	10.90	1.95	-47.03	-25.00	22.03
7507.50	V	33.39	-56.90	10.90	1.95	-47.95	-25.00	22.95
QPSK, Frequency:2535 MHz								
139.99	H	43.55	-68.75	0.00	0.22	-68.97	-25.00	43.97
43.08	V	42.84	-50.97	-22.33	0.12	-73.42	-25.00	48.42
5070.00	H	39.73	-53.46	11.24	1.47	-43.69	-25.00	18.69
5070.00	V	35.24	-57.85	11.24	1.47	-48.08	-25.00	23.08
7605.00	H	33.71	-55.76	10.88	2.01	-46.89	-25.00	21.89
7605.00	V	33.92	-56.27	10.88	2.01	-47.40	-25.00	22.40
QPSK, Frequency: 2567.5 MHz								
139.99	H	42.12	-70.18	0.00	0.22	-70.40	-25.00	45.40
43.08	V	43.52	-50.29	-22.33	0.12	-72.74	-25.00	47.74
5135.00	H	49.04	-44.56	11.28	1.47	-34.75	-25.00	9.75
5135.00	V	44.15	-49.34	11.28	1.47	-39.53	-25.00	14.53
7702.50	H	34.95	-54.57	10.86	1.97	-45.68	-25.00	20.68
7702.50	V	34.82	-55.36	10.86	1.97	-46.47	-25.00	21.47

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								
138.05	H	43.45	-68.83	0.00	0.22	-69.05	-13.00	56.05
729.16	V	43.05	-57.49	0.00	0.53	-58.02	-13.00	45.02
1399.40	H	44.34	-59.36	8.22	0.71	-51.85	-13.00	38.85
1399.40	V	41.27	-62.48	8.22	0.71	-54.97	-13.00	41.97
2099.10	H	42.11	-59.77	9.16	0.91	-51.52	-13.00	38.52
2099.10	V	39.98	-61.85	9.16	0.91	-53.60	-13.00	40.60
2798.80	H	35.87	-64.06	9.88	1.04	-55.22	-13.00	42.22
2798.80	V	36.09	-63.71	9.88	1.04	-54.87	-13.00	41.87
QPSK, Frequency: 707.5 MHz								
139.99	H	44.33	-67.97	0.00	0.22	-68.19	-13.00	55.19
737.88	V	42.16	-58.16	0.00	0.55	-58.71	-13.00	45.71
1415.00	H	43.27	-60.40	8.26	0.72	-52.86	-13.00	39.86
1415.00	V	43.00	-60.72	8.26	0.72	-53.18	-13.00	40.18
2122.50	H	43.70	-58.29	9.17	0.92	-50.04	-13.00	37.04
2122.50	V	39.54	-62.43	9.17	0.92	-54.18	-13.00	41.18
2830.00	H	35.65	-64.15	9.93	1.06	-55.28	-13.00	42.28
2830.00	V	36.33	-63.40	9.93	1.06	-54.53	-13.00	41.53
QPSK, Frequency: 715.3 MHz								
139.99	H	42.80	-69.50	0.00	0.22	-69.72	-13.00	56.72
43.08	V	44.21	-49.60	-22.33	0.12	-72.05	-13.00	59.05
1430.60	H	43.17	-60.46	8.31	0.73	-52.88	-13.00	39.88
1430.60	V	44.80	-58.89	8.31	0.73	-51.31	-13.00	38.31
2145.90	H	41.98	-60.12	9.19	0.93	-51.86	-13.00	38.86
2145.90	V	37.05	-65.06	9.19	0.93	-56.80	-13.00	43.80
2861.20	H	35.39	-64.26	9.98	1.07	-55.35	-13.00	42.35
2861.20	V	37.34	-62.33	9.98	1.07	-53.42	-13.00	40.42

LTE Band 41(30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2537.5 MHz								
139.99	H	43.43	-68.87	0.00	0.22	-69.09	-25.00	44.09
44.05	V	42.23	-52.84	-21.05	0.12	-74.01	-25.00	49.01
5075.00	H	35.42	-57.79	11.25	1.48	-48.02	-25.00	23.02
5075.00	V	40.62	-52.49	11.25	1.48	-42.72	-25.00	17.72
7612.50	H	34.01	-55.47	10.88	2.02	-46.61	-25.00	21.61
7612.50	V	34.96	-55.23	10.88	2.02	-46.37	-25.00	21.37
QPSK, Frequency:2595MHz								
140.95	H	41.64	-70.63	0.00	0.22	-70.85	-25.00	45.85
44.05	V	44.35	-50.72	-21.05	0.12	-71.89	-25.00	46.89
5190.00	H	37.33	-56.74	11.31	1.44	-46.87	-25.00	21.87
5190.00	V	47.00	-46.92	11.31	1.44	-37.05	-25.00	12.05
7785.00	H	34.76	-54.73	10.84	1.99	-45.88	-25.00	20.88
7785.00	V	34.72	-55.20	10.84	1.99	-46.35	-25.00	21.35
QPSK, Frequency: 2652.5 MHz								
139.99	H	43.65	-68.65	0.00	0.22	-68.87	-25.00	43.87
43.08	V	42.10	-51.71	-22.33	0.12	-74.16	-25.00	49.16
5305.00	H	45.30	-48.14	11.38	1.46	-38.22	-25.00	13.22
5305.00	V	53.84	-39.34	11.38	1.46	-29.42	-25.00	4.42
7957.50	H	33.73	-54.69	10.81	2.09	-45.97	-25.00	20.97
7957.50	V	34.94	-53.93	10.81	2.09	-45.21	-25.00	20.21

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

Module B:**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)			
WCDMA Band 5 Frequency:826.4 MHz								
451.16	H	38.22	-69.79	0.00	0.43	-70.22	-13.00	57.22
66.27	V	39.39	-64.49	-6.98	0.15	-71.62	-13.00	58.62
1652.80	H	47.74	-56.59	8.68	0.81	-48.72	-13.00	35.72
1652.80	V	46.59	-57.82	8.68	0.81	-49.95	-13.00	36.95
2479.20	H	43.63	-57.13	9.39	1.01	-48.75	-13.00	35.75
2479.20	V	41.75	-58.98	9.39	1.01	-50.60	-13.00	37.60
3305.60	H	38.42	-58.31	10.32	1.15	-49.14	-13.00	36.14
3305.60	V	43.55	-52.95	10.32	1.15	-43.78	-13.00	30.78
WCDMA Band 5 Frequency:836.6MHz								
451.42	H	36.21	-71.79	0.00	0.43	-72.22	-13.00	59.22
66.27	V	37.75	-66.13	-6.98	0.15	-73.26	-13.00	60.26
1673.20	H	49.14	-55.17	8.71	0.85	-47.31	-13.00	34.31
1673.20	V	50.22	-54.19	8.71	0.85	-46.33	-13.00	33.33
2509.80	H	44.73	-55.88	9.42	1.01	-47.47	-13.00	34.47
2509.80	V	41.70	-58.92	9.42	1.01	-50.51	-13.00	37.51
3346.40	H	40.45	-56.72	10.34	1.16	-47.54	-13.00	34.54
3346.40	V	43.56	-53.47	10.34	1.16	-44.29	-13.00	31.29
WCDMA Band 5 Frequency:846.6MHz								
451.16	H	39.26	-68.75	0.00	0.43	-69.18	-13.00	56.18
66.27	V	40.37	-63.51	-6.98	0.15	-70.64	-13.00	57.64
1693.20	H	45.82	-58.48	8.73	0.89	-50.64	-13.00	37.64
1693.20	V	49.87	-54.55	8.73	0.89	-46.71	-13.00	33.71
2539.80	H	35.65	-64.73	9.46	1.01	-56.28	-13.00	43.28
2539.80	V	37.53	-62.81	9.46	1.01	-54.36	-13.00	41.36
3386.40	H	38.35	-59.24	10.35	1.18	-50.07	-13.00	37.07
3386.40	V	43.02	-54.52	10.35	1.18	-45.35	-13.00	32.35

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)			
WCDMA Band II, Frequency:1852.4 MHz								
451.41	H	34.97	-73.03	0.00	0.43	-73.46	-13.00	60.46
451.85	V	41.51	-62.87	0.00	0.43	-63.30	-13.00	50.30
3704.80	H	40.91	-56.35	10.60	1.25	-47.00	-13.00	34.00
3704.80	V	43.03	-54.20	10.60	1.25	-44.85	-13.00	31.85
5557.20	H	34.73	-58.55	11.43	1.49	-48.61	-13.00	35.61
5557.20	V	35.11	-58.02	11.43	1.49	-48.08	-13.00	35.08
WCDMA Band II, Frequency:1880 MHz								
451.14	H	36.76	-71.25	0.00	0.43	-71.68	-13.00	58.68
451.85	V	37.96	-66.42	0.00	0.43	-66.85	-13.00	53.85
3760.00	H	41.06	-55.35	10.66	1.24	-45.93	-13.00	32.93
3760.00	V	42.91	-53.38	10.66	1.24	-43.96	-13.00	30.96
5640.00	H	34.07	-59.38	11.33	1.54	-49.59	-13.00	36.59
5640.00	V	35.17	-58.16	11.33	1.54	-48.37	-13.00	35.37
WCDMA Band II, Frequency:1907.6MHz								
451.85	H	35.68	-72.31	0.00	0.43	-72.74	-13.00	59.74
451.85	V	40.36	-64.02	0.00	0.43	-64.45	-13.00	51.45
3815.20	H	39.82	-56.03	10.72	1.29	-46.60	-13.00	33.60
3815.20	V	42.52	-53.17	10.72	1.29	-43.74	-13.00	30.74
5722.80	H	34.82	-58.67	11.23	1.58	-49.02	-13.00	36.02
5722.80	V	35.17	-58.18	11.23	1.58	-48.53	-13.00	35.53

AWS Band(Part 27)**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)			
WCDMA Band IV, Frequency:1712.4 MHz								
350.48	H	36.92	-73.04	0.00	0.36	-73.40	-13.00	60.40
350.48	V	40.54	-66.96	0.00	0.36	-67.32	-13.00	54.32
3424.80	H	40.47	-57.30	10.37	1.17	-48.10	-13.00	35.10
3424.80	V	44.08	-53.66	10.37	1.17	-44.46	-13.00	31.46
5137.20	H	35.47	-58.15	11.28	1.46	-48.33	-13.00	35.33
5137.20	V	36.71	-56.79	11.28	1.46	-46.97	-13.00	33.97
WCDMA Band IV, Frequency:1732.6 MHz								
350.48	H	34.73	-75.23	0.00	0.36	-75.59	-13.00	62.59
350.48	V	39.12	-68.38	0.00	0.36	-68.74	-13.00	55.74
3465.20	H	43.20	-54.61	10.39	1.15	-45.37	-13.00	32.37
3465.20	V	47.63	-50.14	10.39	1.15	-40.90	-13.00	27.90
5197.80	H	37.49	-56.64	11.32	1.44	-46.76	-13.00	33.76
5197.80	V	6.11	-87.87	11.32	1.44	-77.99	-13.00	64.99
WCDMA Band IV, Frequency:1752.6MHz								
350.48	H	36.78	-73.18	0.00	0.36	-73.54	-13.00	60.54
350.48	V	39.55	-67.95	0.00	0.36	-68.31	-13.00	55.31
3505.20	H	40.14	-57.69	10.41	1.18	-48.46	-13.00	35.46
3505.20	V	44.35	-53.42	10.41	1.18	-44.19	-13.00	31.19
5257.80	H	36.47	-57.26	11.35	1.47	-47.38	-13.00	34.38
5257.80	V	37.02	-56.49	11.35	1.47	-46.61	-13.00	33.61

LTE Bands:**LTE Band 2 (30MHz-20GHz):**

LTE Band 2 (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:1850.7 MHz								
751.64	H	37.96	-65.47	0.00	0.53	-66.00	-13.00	53.00
66.27	V	38.89	-64.99	-6.98	0.15	-72.12	-13.00	59.12
3701.40	H	38.84	-58.47	10.60	1.25	-49.12	-13.00	36.12
3701.40	V	42.75	-54.54	10.60	1.25	-45.19	-13.00	32.19
5552.10	H	36.23	-57.04	11.44	1.49	-47.09	-13.00	34.09
5552.10	V	36.28	-56.82	11.44	1.49	-46.87	-13.00	33.87
QPSK,Frequency:1880 MHz								
250.30	H	37.21	-74.68	0.00	0.30	-74.98	-13.00	61.98
66.27	V	38.69	-65.19	-6.98	0.15	-72.32	-13.00	59.32
3760.00	H	40.93	-55.48	10.66	1.24	-46.06	-13.00	33.06
3760.00	V	44.82	-51.47	10.66	1.24	-42.05	-13.00	29.05
5640.00	H	35.85	-57.60	11.33	1.54	-47.81	-13.00	34.81
5640.00	V	36.90	-56.43	11.33	1.54	-46.64	-13.00	33.64
QPSK,Frequency:1909.3 MHz								
341.25	H	36.84	-73.26	0.00	0.36	-73.62	-13.00	60.62
49.90	V	37.85	-63.28	-15.00	0.12	-78.40	-13.00	65.40
3818.60	H	42.67	-53.19	10.72	1.29	-43.76	-13.00	30.76
3818.60	V	44.57	-51.14	10.72	1.29	-41.71	-13.00	28.71
5727.90	H	34.94	-58.54	11.23	1.59	-48.90	-13.00	35.90
5727.90	V	34.35	-59.01	11.23	1.59	-49.37	-13.00	36.37

LTE Band 4 (30MHz-20GHz):

LTE Band 4 (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								
49.90	H	38.14	-62.56	-15.00	0.12	-77.68	-13.00	64.68
66.27	V	39.41	-64.47	-6.98	0.15	-71.60	-13.00	58.60
3421.40	H	41.14	-56.62	10.37	1.17	-47.42	-13.00	34.42
3421.40	V	46.64	-51.09	10.37	1.17	-41.89	-13.00	28.89
5132.10	H	34.37	-59.20	11.28	1.47	-49.39	-13.00	36.39
5132.10	V	35.78	-57.68	11.28	1.47	-47.87	-13.00	34.87
QPSK,Frequency:1732.5 MHz								
365.34	H	38.45	-71.28	0.00	0.37	-71.65	-13.00	58.65
66.27	V	39.51	-64.37	-6.98	0.15	-71.50	-13.00	58.50
3465.00	H	42.72	-55.09	10.39	1.15	-45.85	-13.00	32.85
3465.00	V	48.23	-49.54	10.39	1.15	-40.30	-13.00	27.30
5197.50	H	36.61	-57.52	11.32	1.44	-47.64	-13.00	34.64
5197.50	V	35.59	-58.39	11.32	1.44	-48.51	-13.00	35.51
QPSK,Frequency:1752.6 MHz								
451.85	H	38.66	-69.33	0.00	0.43	-69.76	-13.00	56.76
66.27	V	39.74	-64.14	-6.98	0.15	-71.27	-13.00	58.27
3505.20	H	40.44	-57.39	10.41	1.18	-48.16	-13.00	35.16
3505.20	V	46.28	-51.49	10.41	1.18	-42.26	-13.00	29.26
5257.80	H	38.11	-55.62	11.35	1.47	-45.74	-13.00	32.74
5257.80	V	36.91	-56.60	11.35	1.47	-46.72	-13.00	33.72

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								
350.48	H	36.63	-73.33	0.00	0.36	-73.69	-13.00	60.69
66.27	V	38.65	-65.23	-6.98	0.15	-72.36	-13.00	59.36
1649.40	H	37.84	-66.49	8.68	0.80	-58.61	-13.00	45.61
1649.40	V	42.05	-62.36	8.68	0.80	-54.48	-13.00	41.48
2474.10	H	35.62	-65.16	9.38	1.00	-56.78	-13.00	43.78
2474.10	V	36.29	-64.44	9.38	1.00	-56.06	-13.00	43.06
3298.80	H	40.53	-56.15	10.32	1.15	-46.98	-13.00	33.98
3298.80	V	49.87	-46.57	10.32	1.15	-37.40	-13.00	24.40
QPSK, Frequency: 836.5 MHz								
350.48	H	36.72	-73.24	0.00	0.36	-73.60	-13.00	60.60
451.14	V	38.79	-65.62	0.00	0.43	-66.05	-13.00	53.05
1673.00	H	38.24	-66.07	8.71	0.85	-58.21	-13.00	45.21
1673.00	V	43.37	-61.04	8.71	0.85	-53.18	-13.00	40.18
2509.50	H	34.98	-65.63	9.42	1.01	-57.22	-13.00	44.22
2509.50	V	35.38	-65.24	9.42	1.01	-56.83	-13.00	43.83
3346.00	H	41.46	-55.70	10.34	1.16	-46.52	-13.00	33.52
3346.00	V	49.16	-47.86	10.34	1.16	-38.68	-13.00	25.68
QPSK, Frequency: 848.3 MHz								
250.62	H	33.75	-78.14	0.00	0.30	-78.44	-13.00	65.44
66.27	V	39.92	-63.96	-6.98	0.15	-71.09	-13.00	58.09
1696.60	H	39.24	-65.05	8.74	0.89	-57.20	-13.00	44.20
1696.60	V	44.34	-60.08	8.74	0.89	-52.23	-13.00	39.23
2544.90	H	35.53	-64.81	9.47	1.01	-56.35	-13.00	43.35
2544.90	V	36.25	-64.05	9.47	1.01	-55.59	-13.00	42.59
3393.20	H	42.14	-55.53	10.36	1.19	-46.36	-13.00	33.36
3393.20	V	52.22	-45.41	10.36	1.19	-36.24	-13.00	23.24

LTE Band 7(30MHz-26.5GHz):

EYE Band (QOMH 203CH)			Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2502.5 MHz								
183.66	H	31.38	-81.18	0.00	0.25	-81.43	-25.00	56.43
66.27	V	39.32	-64.56	-6.98	0.15	-71.69	-25.00	46.69
5005.00	H	35.54	-57.42	11.20	1.47	-47.69	-25.00	22.69
5005.00	V	35.83	-56.99	11.20	1.47	-47.26	-25.00	22.26
7507.50	H	33.05	-56.74	10.90	1.95	-47.79	-25.00	22.79
7507.50	V	33.14	-57.15	10.90	1.95	-48.20	-25.00	23.20
QPSK, Frequency:2535 MHz								
451.85	H	34.99	-73.00	0.00	0.43	-73.43	-25.00	48.43
66.27	V	39.71	-64.17	-6.98	0.15	-71.30	-25.00	46.30
5070.00	H	38.25	-54.94	11.24	1.47	-45.17	-25.00	20.17
5070.00	V	35.89	-57.20	11.24	1.47	-47.43	-25.00	22.43
7605.00	H	33.58	-55.89	10.88	2.01	-47.02	-25.00	22.02
7605.00	V	33.87	-56.32	10.88	2.01	-47.45	-25.00	22.45
QPSK, Frequency: 2567.5 MHz								
314.58	H	33.99	-76.51	0.00	0.34	-76.85	-25.00	51.85
66.27	V	38.69	-65.19	-6.98	0.15	-72.32	-25.00	47.32
5135.00	H	41.22	-52.38	11.28	1.47	-42.57	-25.00	17.57
5135.00	V	35.34	-58.15	11.28	1.47	-48.34	-25.00	23.34
7702.50	H	34.52	-55.00	10.86	1.97	-46.11	-25.00	21.11
7702.50	V	34.29	-55.89	10.86	1.97	-47.00	-25.00	22.00

LTE Band 41(30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2537.5 MHz								
250.30	H	38.86	-73.03	0.00	0.30	-73.33	-25.00	48.33
451.14	V	41.21	-63.20	0.00	0.43	-63.63	-25.00	38.63
5075.00	H	37.95	-55.26	11.25	1.48	-45.49	-25.00	20.49
5075.00	V	35.81	-57.30	11.25	1.48	-47.53	-25.00	22.53
7612.50	H	33.45	-56.03	10.88	2.02	-47.17	-25.00	22.17
7612.50	V	33.50	-56.69	10.88	2.02	-47.83	-25.00	22.83
QPSK, Frequency:2595MHz								
250.30	H	35.57	-76.32	0.00	0.30	-76.62	-25.00	51.62
451.14	V	40.26	-64.15	0.00	0.43	-64.58	-25.00	39.58
5190.00	H	39.76	-54.31	11.31	1.44	-44.44	-25.00	19.44
5190.00	V	35.85	-58.07	11.31	1.44	-48.20	-25.00	23.20
7785.00	H	33.56	-55.93	10.84	1.99	-47.08	-25.00	22.08
7785.00	V	34.04	-55.88	10.84	1.99	-47.03	-25.00	22.03
QPSK, Frequency: 2652.5 MHz								
758.04	H	32.67	-70.62	0.00	0.52	-71.14	-25.00	46.14
66.27	V	39.29	-64.59	-6.98	0.15	-71.72	-25.00	46.72
5305.00	H	43.69	-49.75	11.38	1.46	-39.83	-25.00	14.83
5305.00	V	39.22	-53.96	11.38	1.46	-44.04	-25.00	19.04
7957.50	H	34.20	-54.22	10.81	2.09	-45.50	-25.00	20.50
7957.50	V	33.78	-55.09	10.81	2.09	-46.37	-25.00	21.37

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 *******