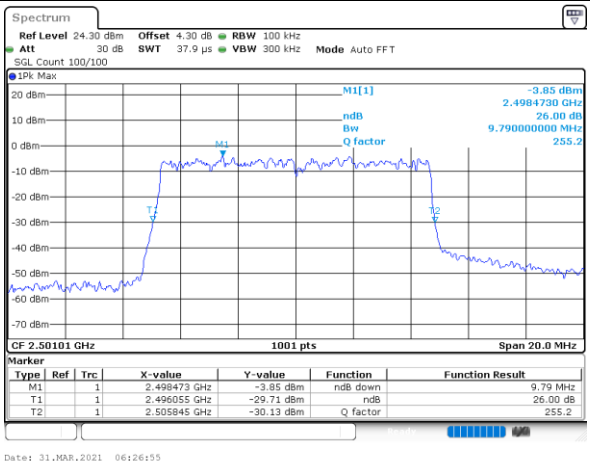
FR1 n41 / 10MHz / CP-OFDM

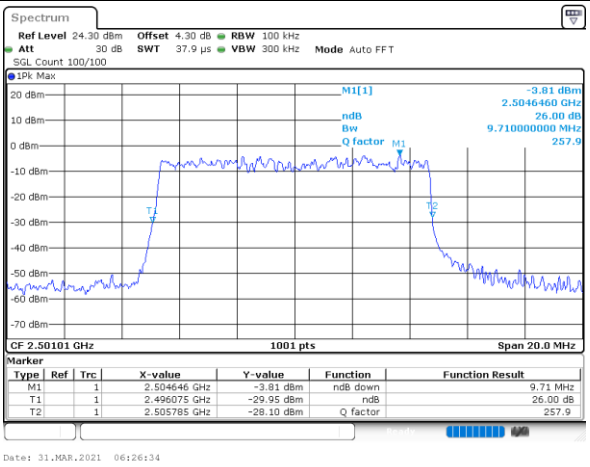
QPSK

Lowerst Channel



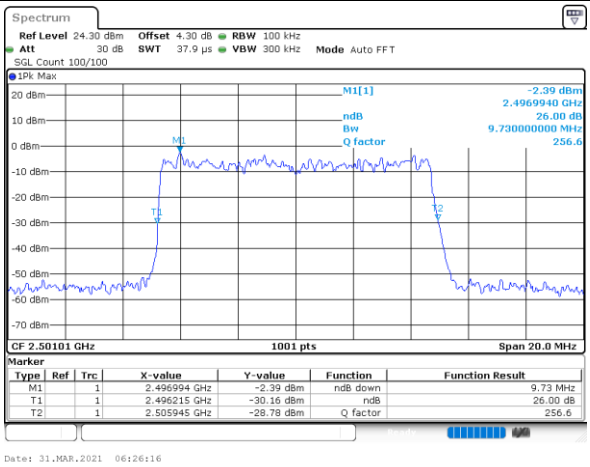
16QAM

Lowerst Channel



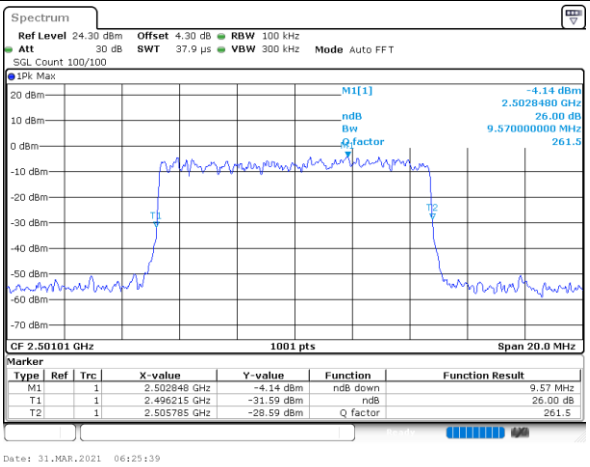
64QAM

Lowerst Channel



256QAM

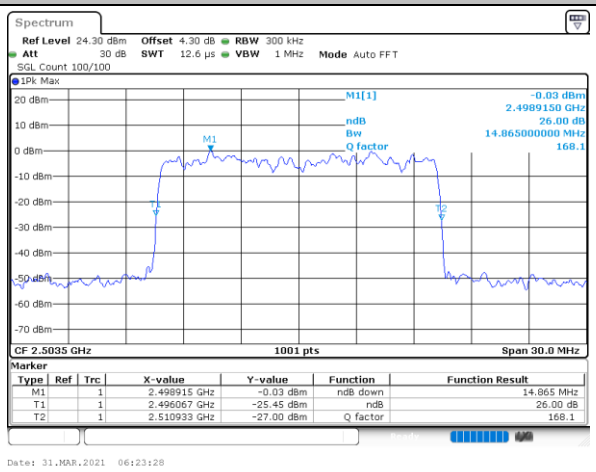
Lowerst Channel



FR1 n41 / 15MHz / CP-OFDM

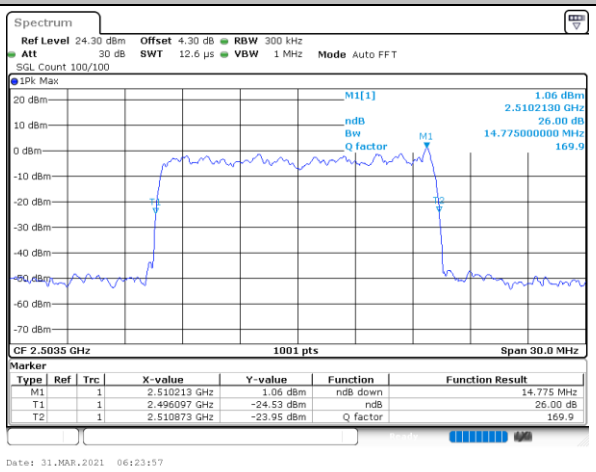
QPSK

Lowerst Channel



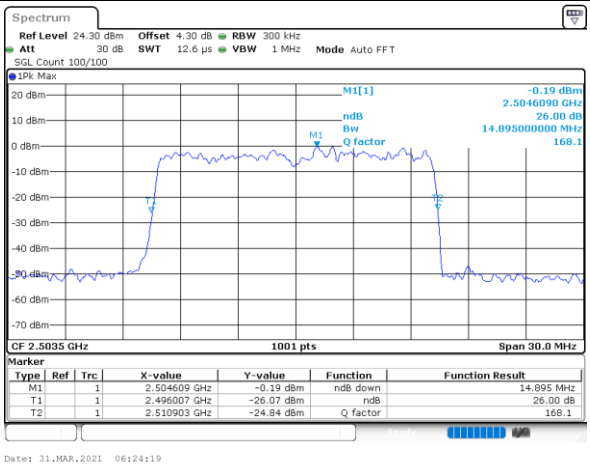
16QAM

Lowerst Channel



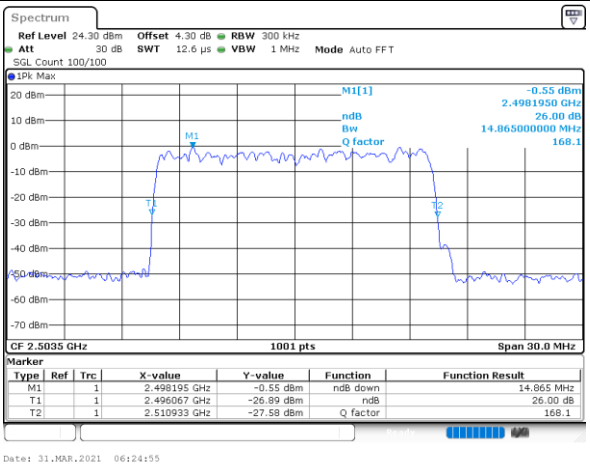
64QAM

Lowerst Channel



256QAM

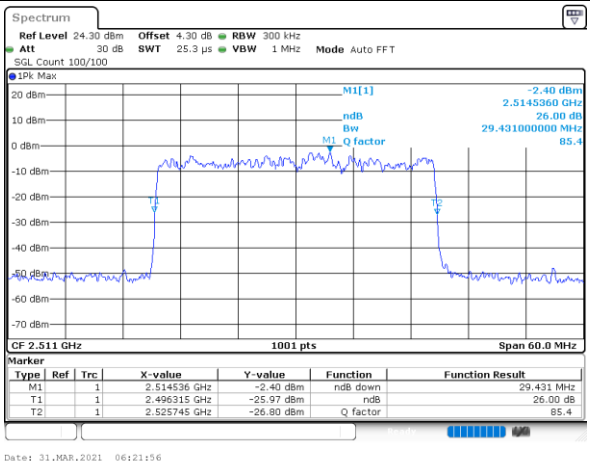
Lowerst Channel



FR1 n41 / 30MHz / CP-OFDM

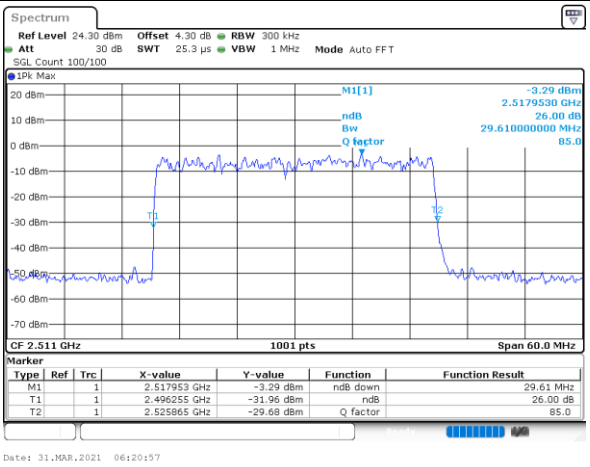
QPSK

Lowerst Channel



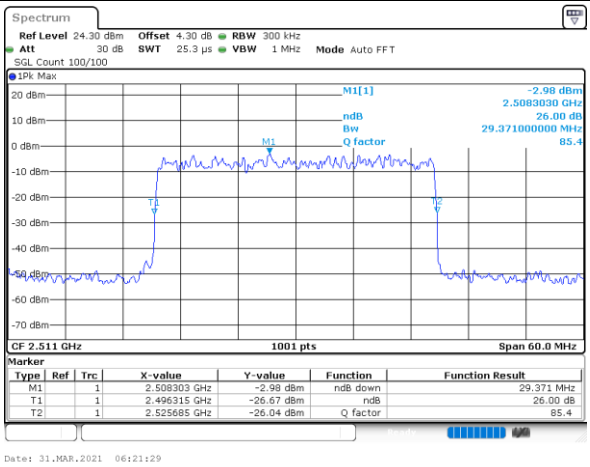
16QAM

Lowerst Channel



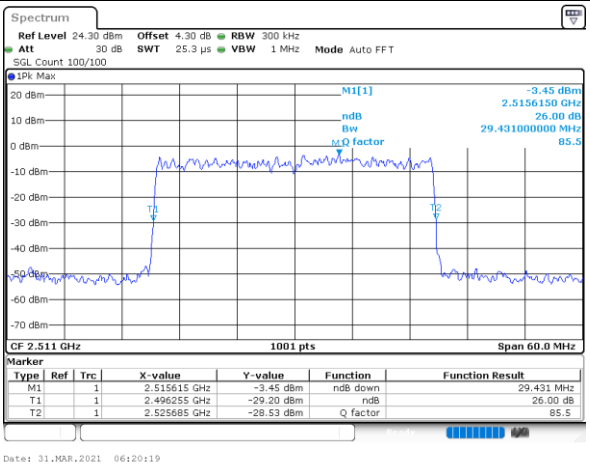
64QAM

Lowerst Channel



256QAM

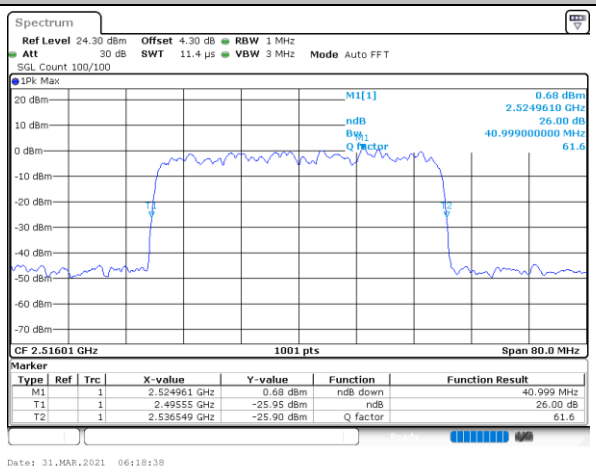
Lowerst Channel



FR1 n41 / 40MHz / CP-OFDM

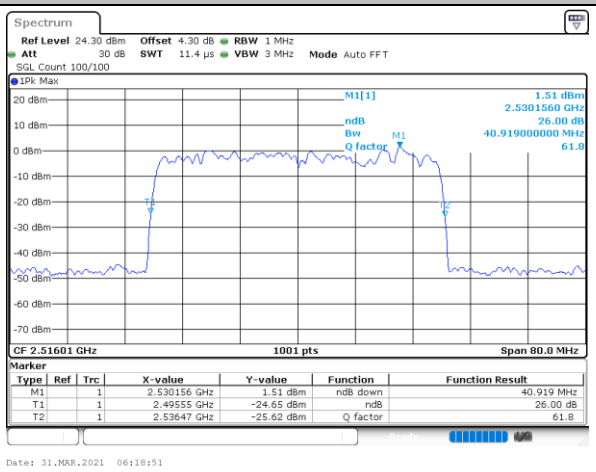
QPSK

Lowerst Channel



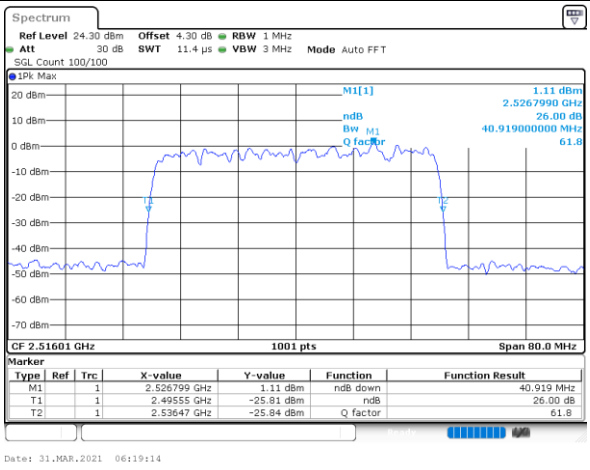
16QAM

Lowerst Channel



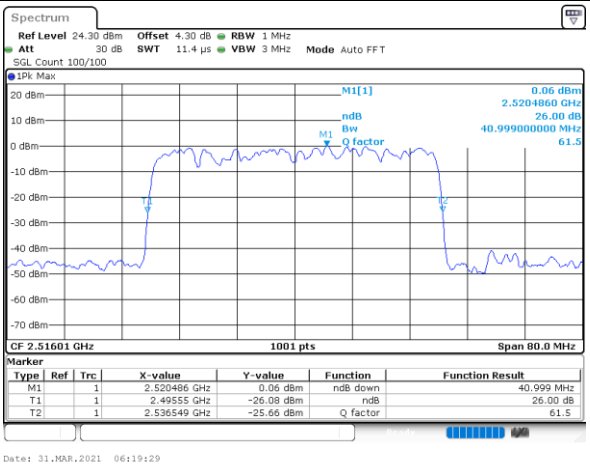
64QAM

Lowerst Channel



256QAM

Lowerst Channel



Occupied Bandwidth

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.27	9.29	9.27	9.27				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.12	14.15	14.15	14.09				

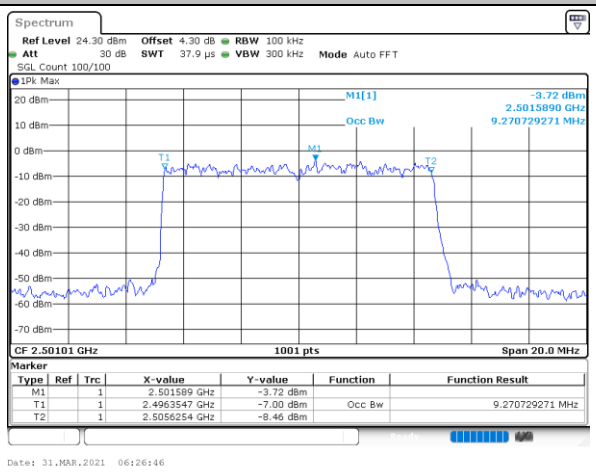
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	28.47	28.59	28.53	28.53				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	38.84	38.84	38.76	38.52				

FR1 n41 / 10MHz / CP-OFDM

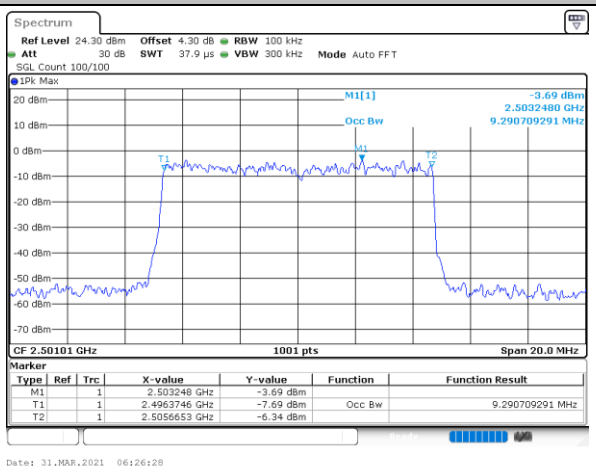
QPSK

Lowerst Channel



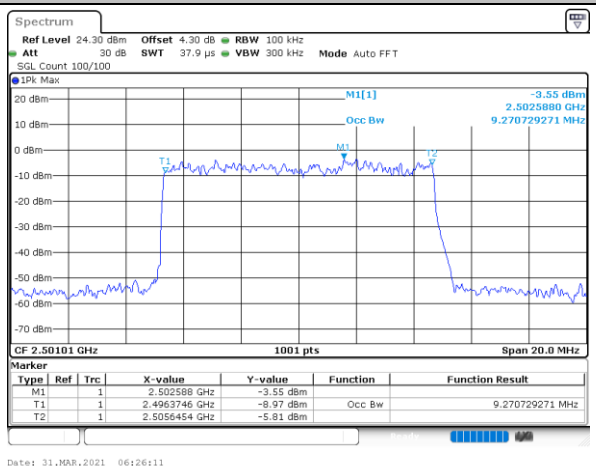
16QAM

Lowerst Channel



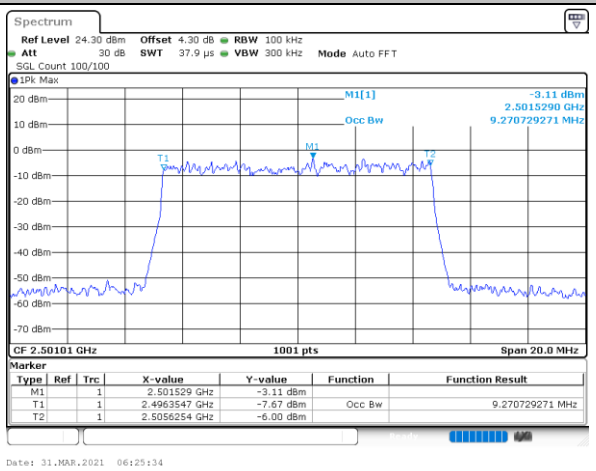
64QAM

Lowerst Channel



256QAM

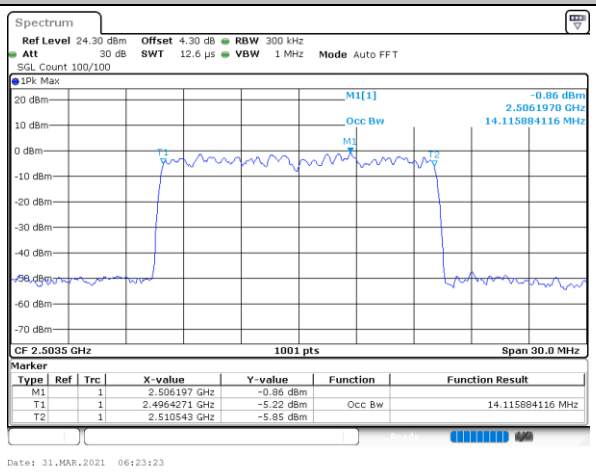
Lowerst Channel



FR1 n41 / 15MHz / CP-OFDM

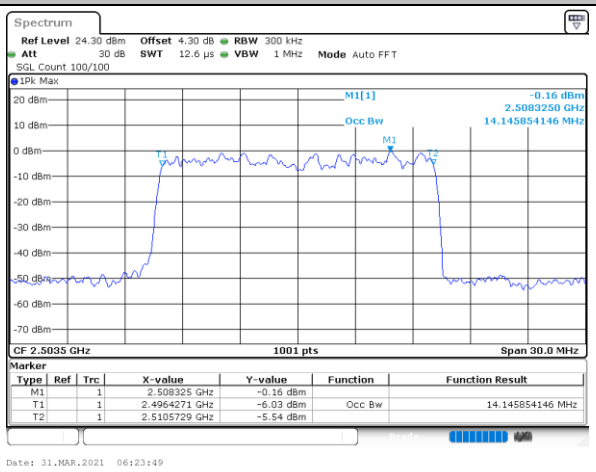
QPSK

Lowerst Channel



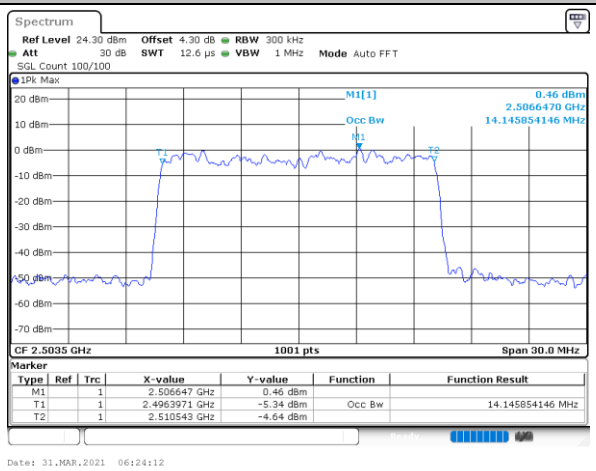
16QAM

Lowerst Channel



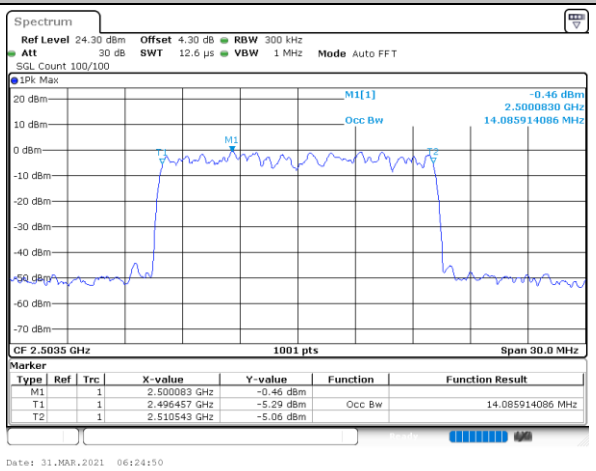
64QAM

Lowerst Channel



256QAM

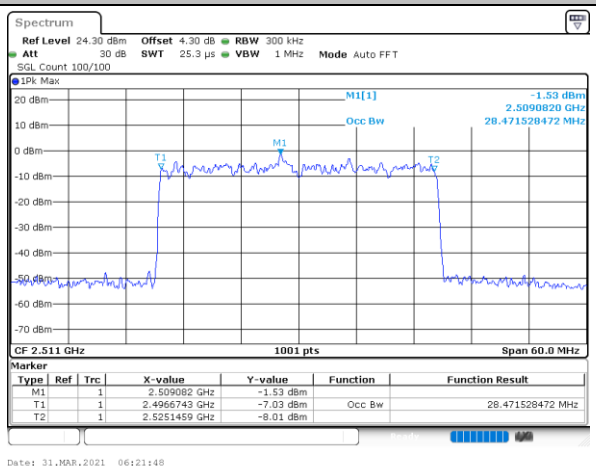
Lowerst Channel



FR1 n41 / 30MHz / CP-OFDM

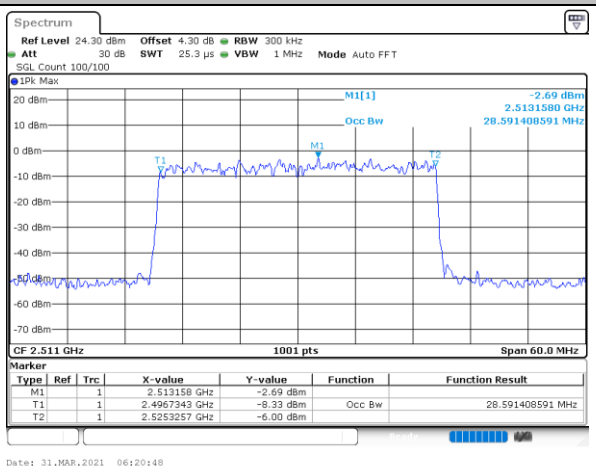
QPSK

Lowerst Channel



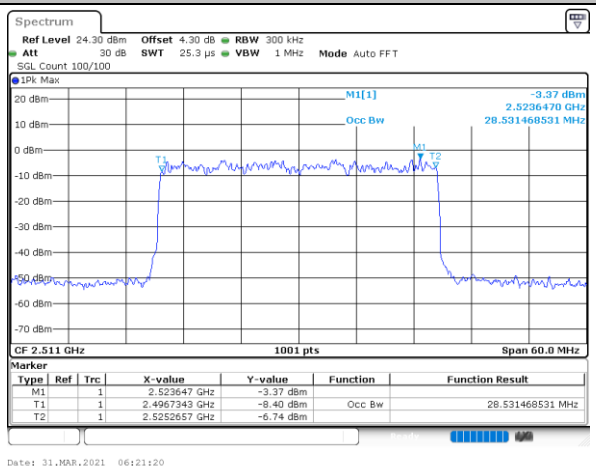
16QAM

Lowerst Channel



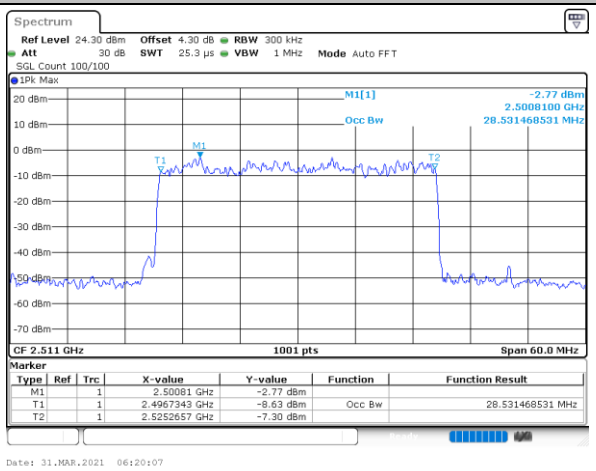
64QAM

Lowerst Channel



256QAM

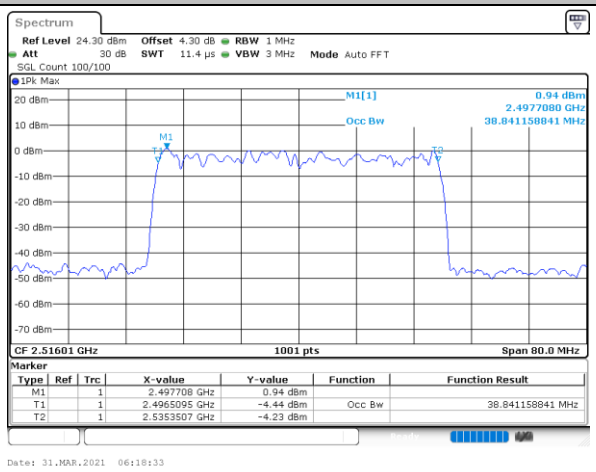
Lowerst Channel



FR1 n41 / 40MHz / CP-OFDM

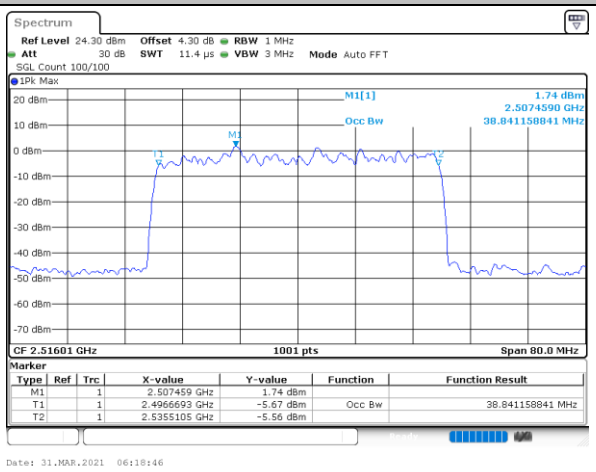
QPSK

Lowerst Channel



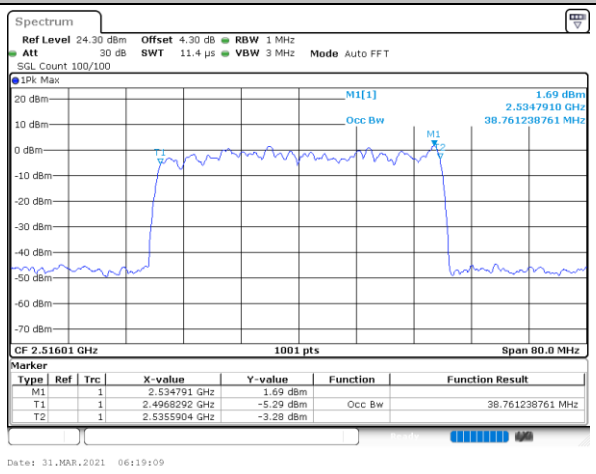
16QAM

Lowerst Channel



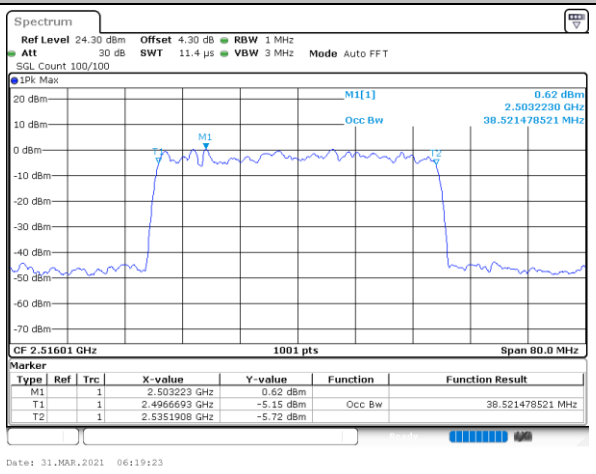
64QAM

Lowerst Channel

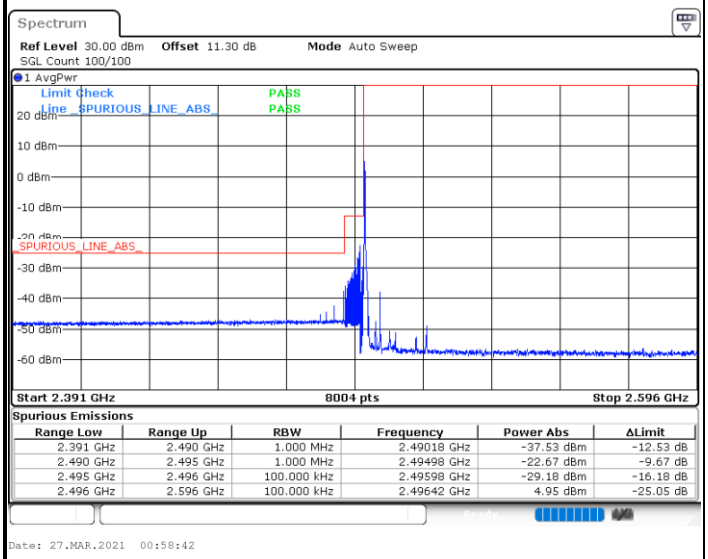
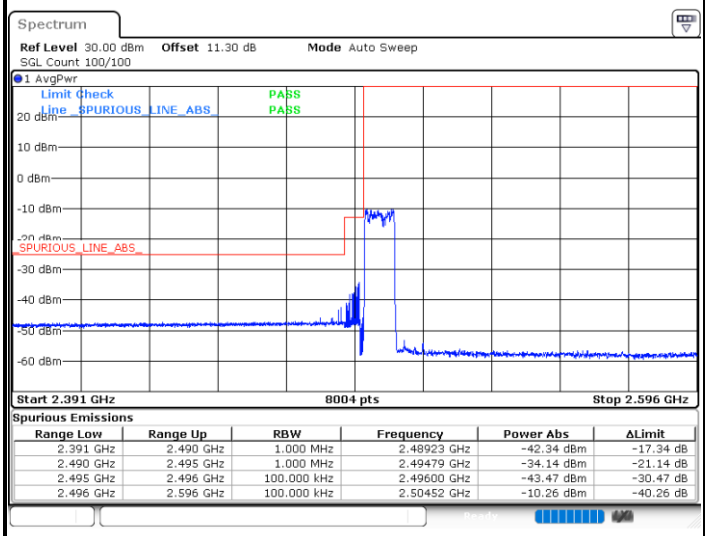


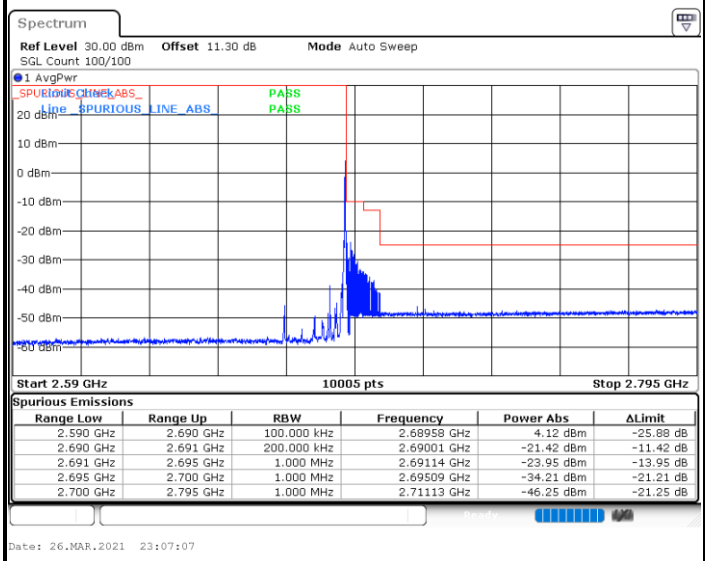
256QAM

Lowerst Channel



Conducted Band Edge

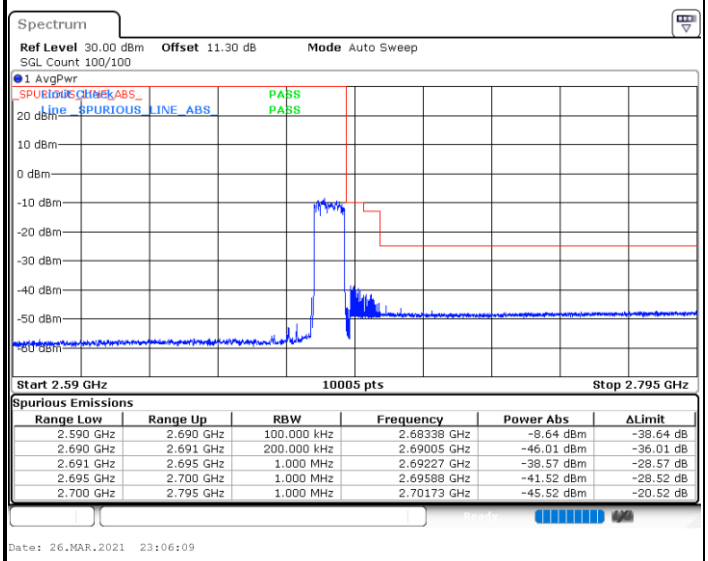
FR1 n41+41A / 10MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49018 GHz / -37.53 dBm / -12.53 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49498 GHz / -22.67 dBm / -9.67 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49598 GHz / -29.18 dBm / -16.18 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49642 GHz / 4.95 dBm / -25.05 dB Date: 27.MAR.2021 00:58:42	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48923 GHz / -42.34 dBm / -17.34 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49479 GHz / -34.14 dBm / -21.14 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49600 GHz / -43.47 dBm / -30.47 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50452 GHz / -10.26 dBm / -40.26 dB Date: 27.MAR.2021 01:01:15	/

FR1 n41+41A / 10MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68958 GHz	4.12 dBm	-25.88 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-21.42 dBm	-11.42 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69114 GHz	-23.95 dBm	-13.95 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69509 GHz	-34.21 dBm	-21.21 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.71113 GHz	-46.25 dBm	-21.25 dB

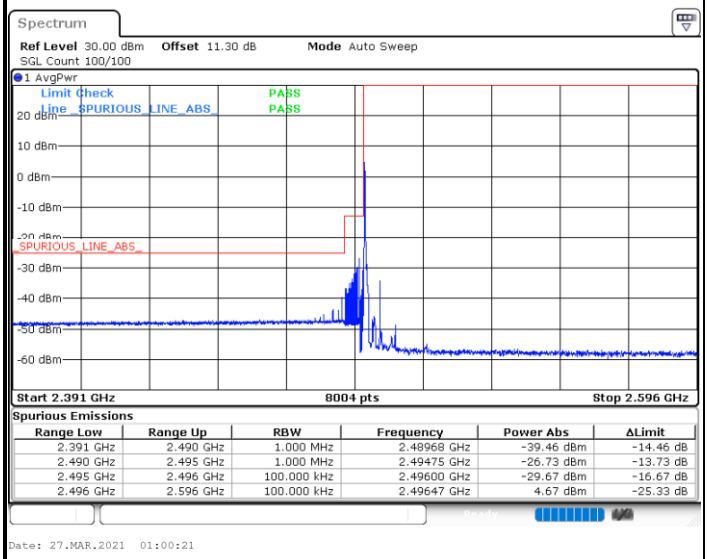
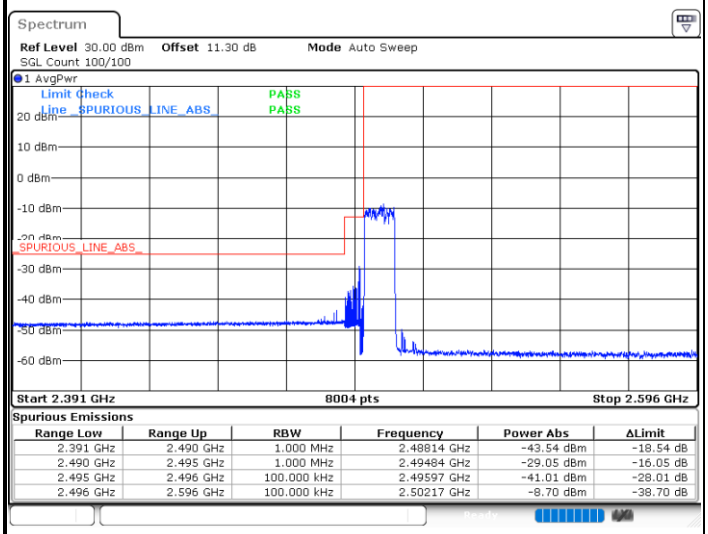
Date: 26.MAR.2021 23:07:07

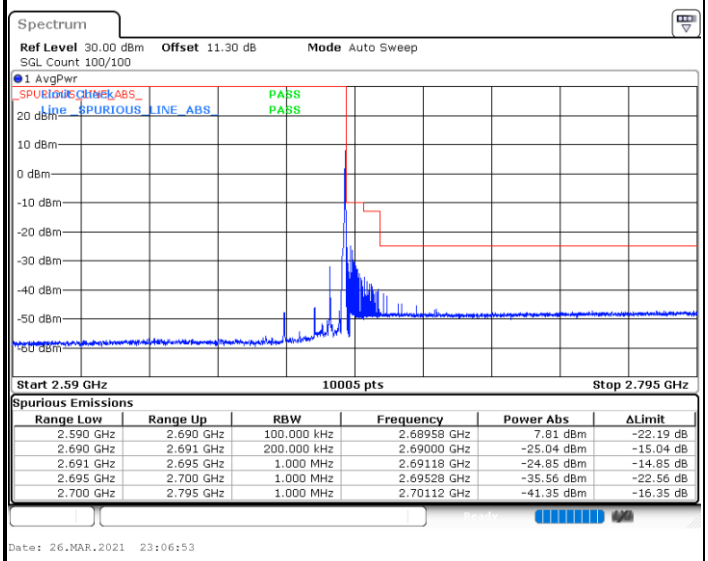
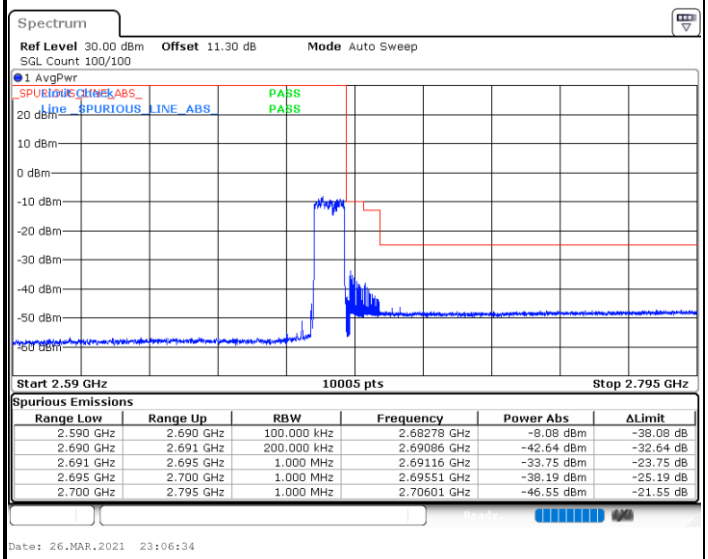
Highest Band Edge / Full RB	Channel Power < -13dBm Pass
	/

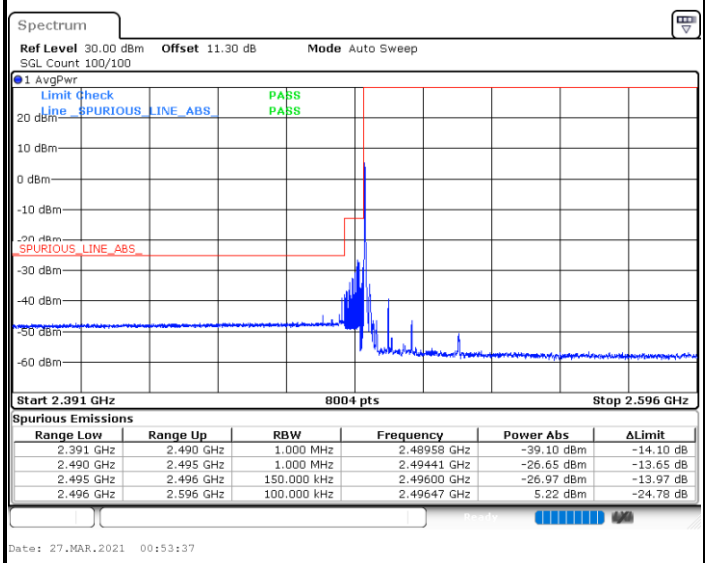
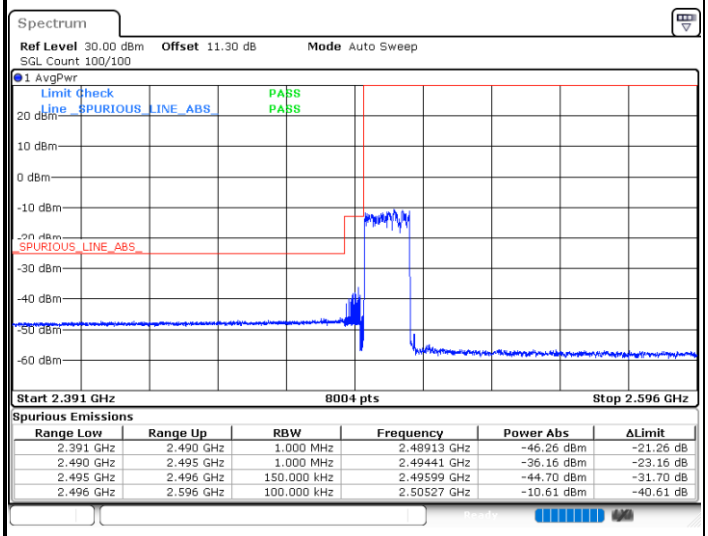
Spurious Emissions

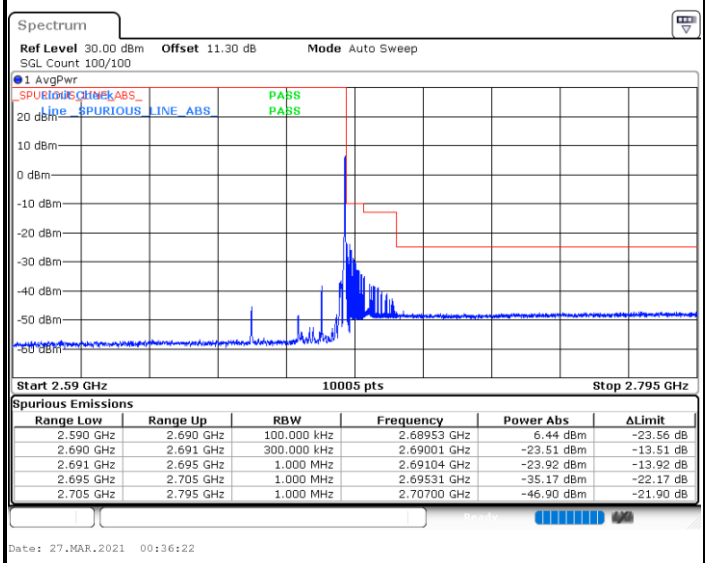
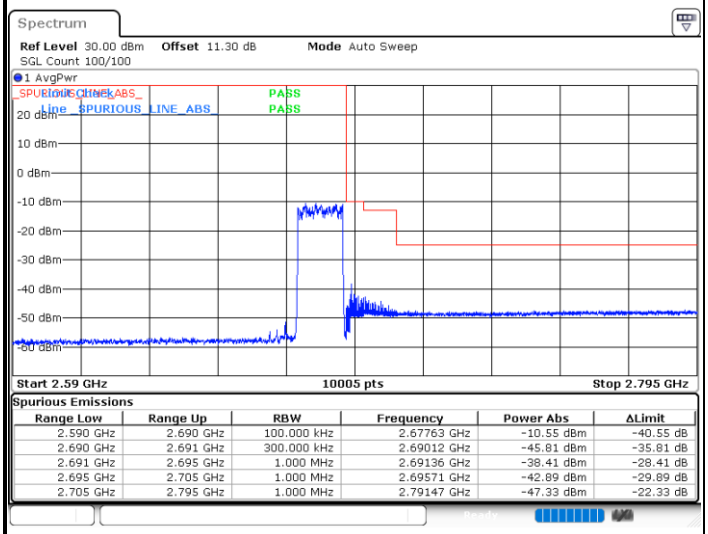
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68338 GHz	-8.64 dBm	-38.64 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69005 GHz	-46.01 dBm	-36.01 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69227 GHz	-38.57 dBm	-28.57 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69588 GHz	-41.52 dBm	-28.52 dB
2.700 GHz	2.795 GHz	1.000 MHz	2.70173 GHz	-45.52 dBm	-20.52 dB

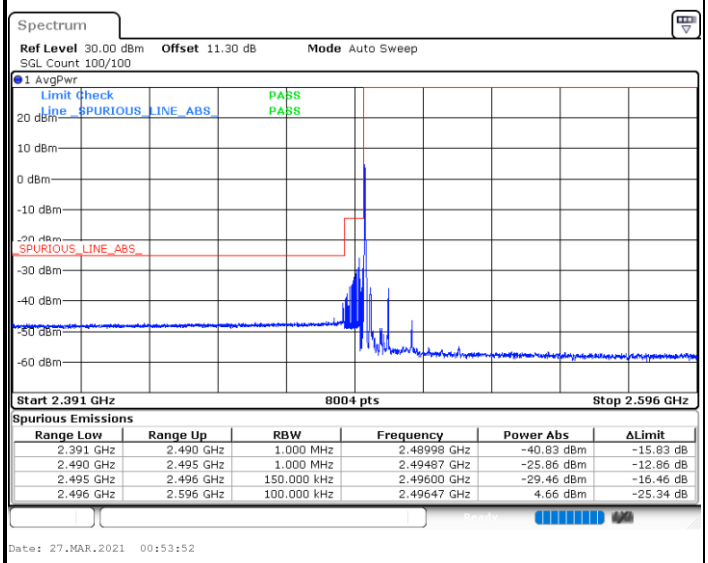
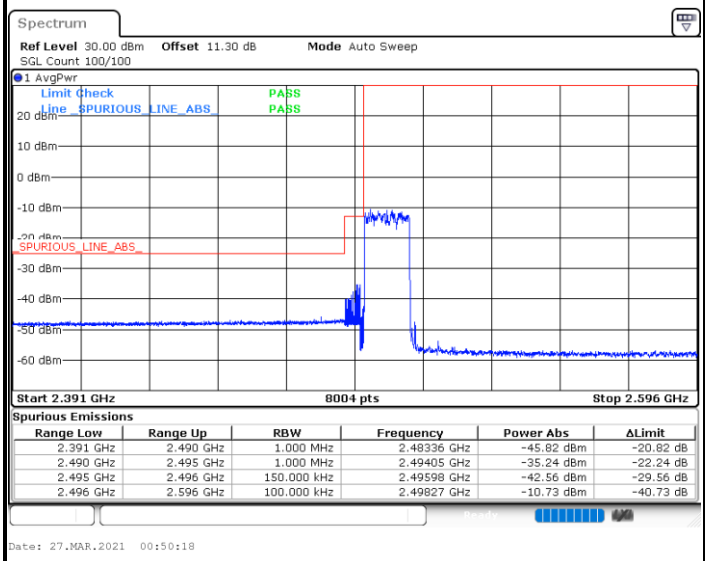
Date: 26.MAR.2021 23:06:09

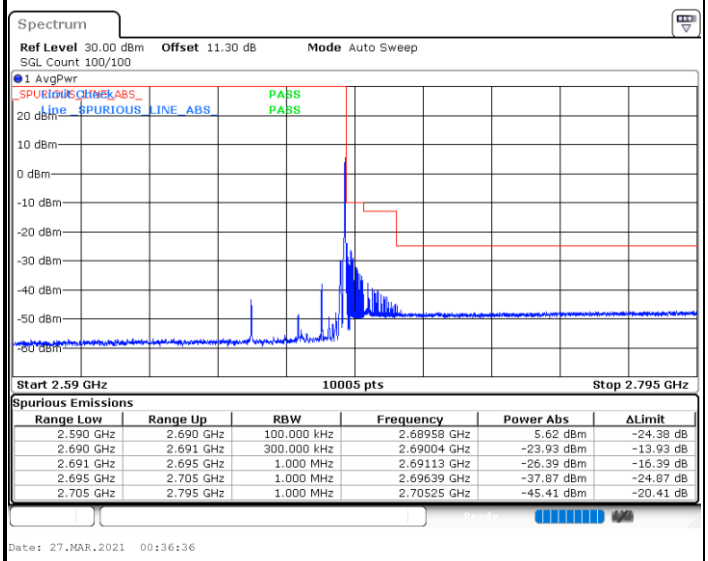
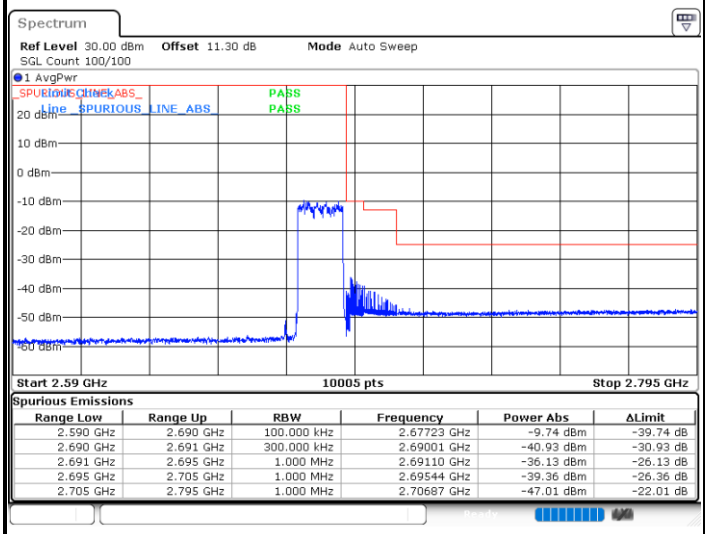
FR1 n41+41A / 10MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48968 GHz / -39.46 dBm / -14.46 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49475 GHz / -26.73 dBm / -13.73 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49600 GHz / -29.67 dBm / -16.67 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49647 GHz / 4.67 dBm / -25.33 dB Date: 27.MAR.2021 01:00:21	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48814 GHz / -43.54 dBm / -18.54 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49484 GHz / -29.05 dBm / -16.05 dB 2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49597 GHz / -41.01 dBm / -28.01 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50217 GHz / -8.70 dBm / -38.70 dB Date: 27.MAR.2021 01:00:56	/

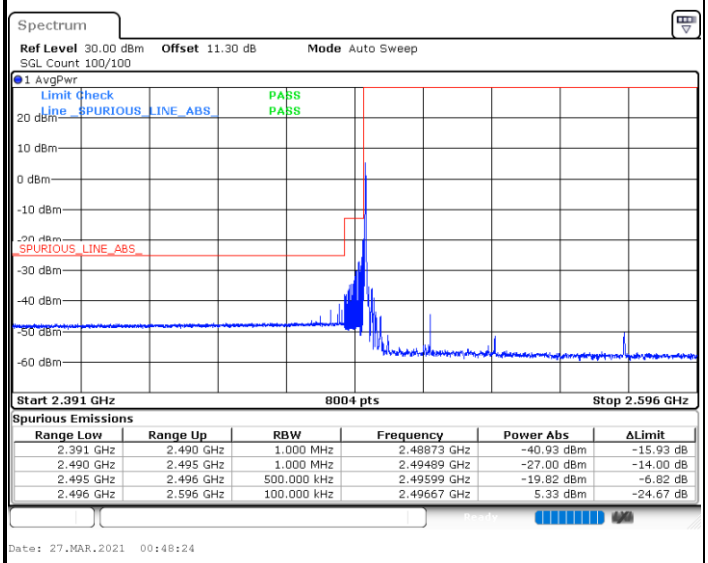
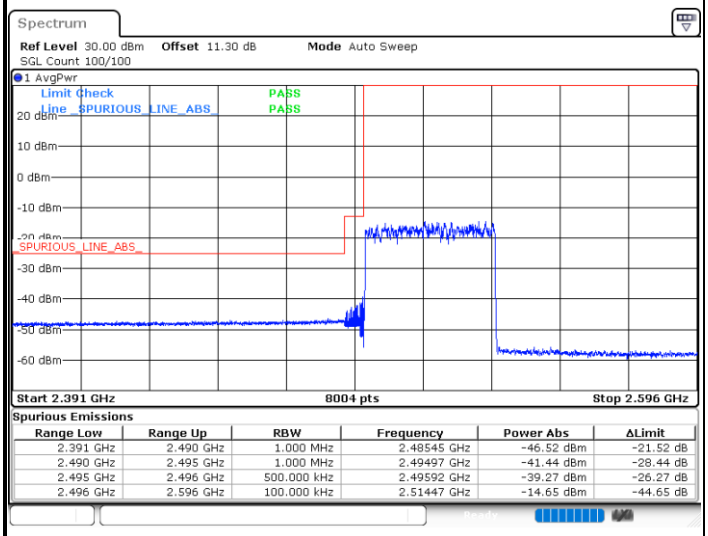
FR1 n41+41A / 10MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

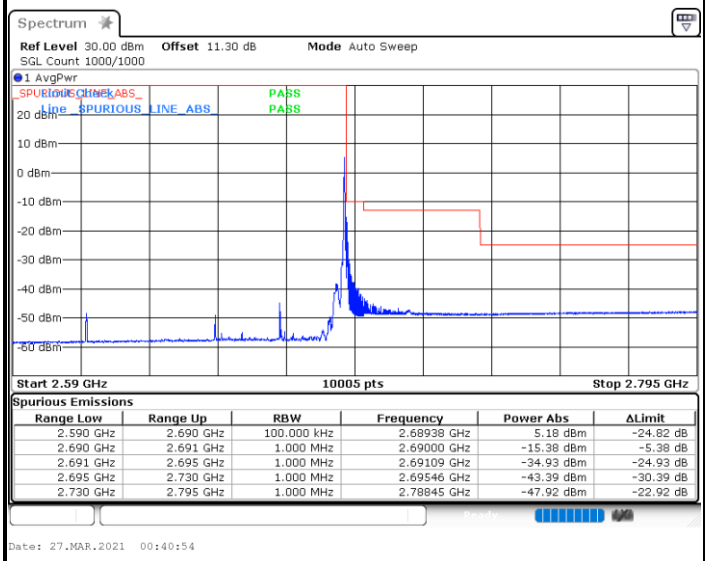
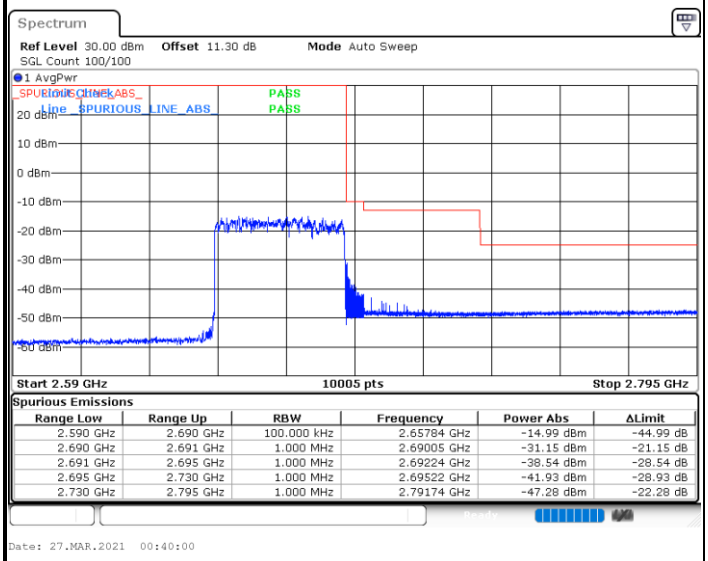
FR1 n41+41A / 15MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48958 GHz / -39.10 dBm / -14.10 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49441 GHz / -26.65 dBm / -13.65 dB 2.495 GHz / 2.496 GHz / 150.000 kHz / 2.49600 GHz / -26.97 dBm / -13.97 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49647 GHz / 5.22 dBm / -24.78 dB Date: 27.MAR.2021 00:53:37	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48913 GHz / -46.26 dBm / -21.26 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49441 GHz / -36.16 dBm / -23.16 dB 2.495 GHz / 2.496 GHz / 150.000 kHz / 2.49599 GHz / -44.70 dBm / -31.70 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50527 GHz / -10.61 dBm / -40.61 dB Date: 27.MAR.2021 00:50:56	/

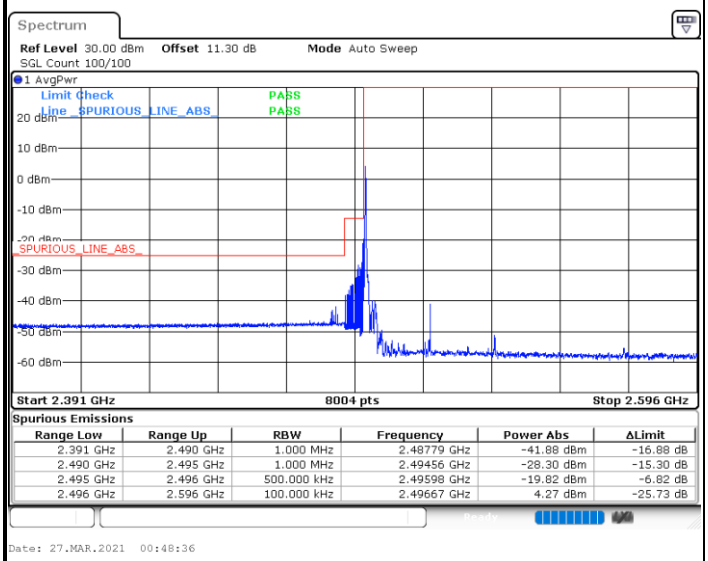
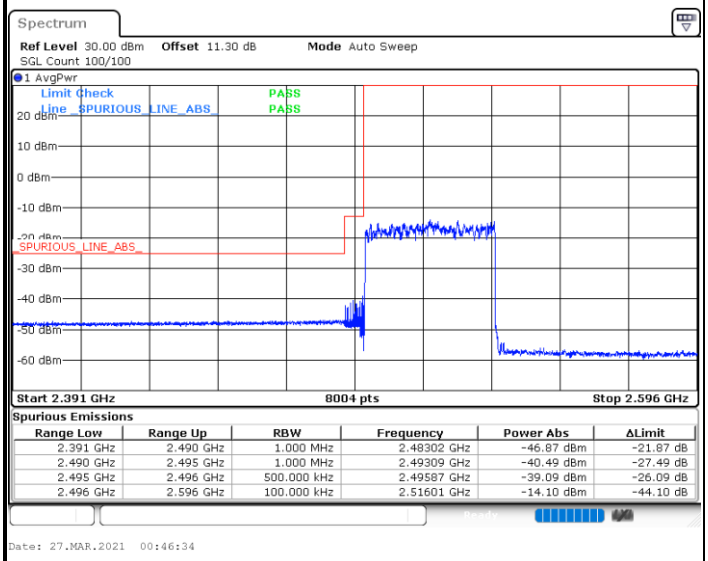
FR1 n41+41A / 15MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68953 GHz / 6.44 dBm / -23.56 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69001 GHz / -23.51 dBm / -13.51 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69104 GHz / -23.92 dBm / -13.92 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69531 GHz / -35.17 dBm / -22.17 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70700 GHz / -46.90 dBm / -21.90 dB Date: 27.MAR.2021 00:36:22	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.67763 GHz / -10.55 dBm / -40.55 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69012 GHz / -45.81 dBm / -35.81 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69136 GHz / -38.41 dBm / -28.41 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69571 GHz / -42.89 dBm / -29.89 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.79147 GHz / -47.33 dBm / -22.33 dB Date: 27.MAR.2021 00:35:43	/

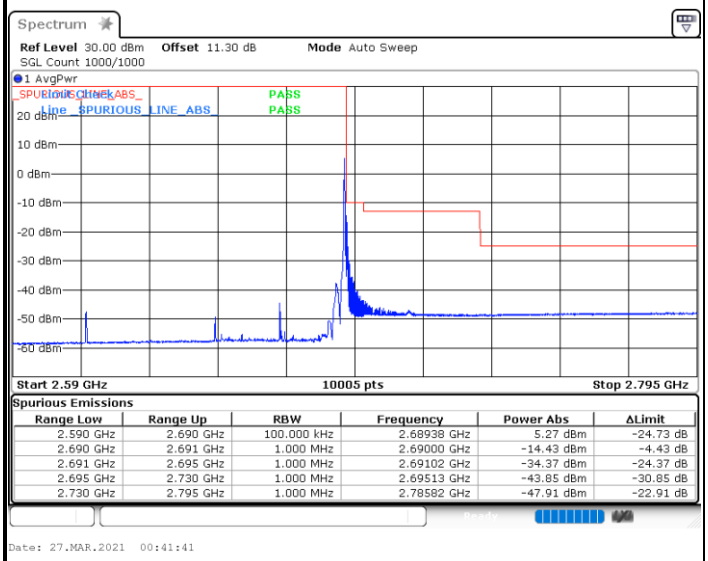
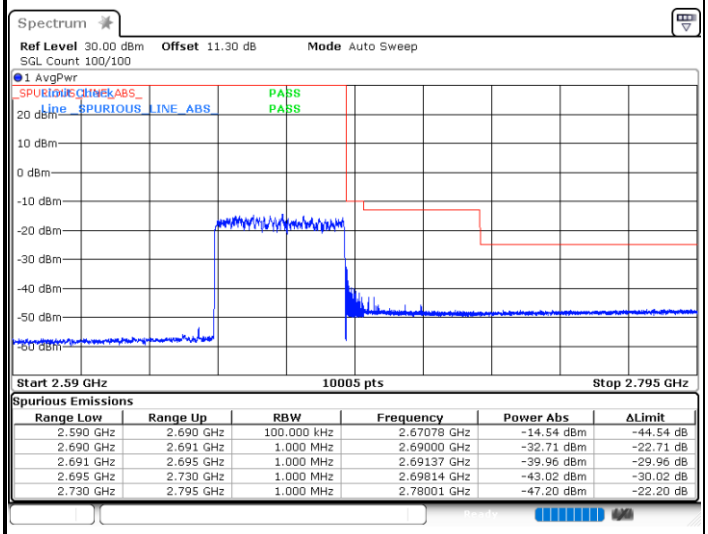
FR1 n41+41A / 15MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n41+41A / 15MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68958 GHz / 5.62 dBm / -24.38 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69004 GHz / -23.93 dBm / -13.93 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69113 GHz / -26.39 dBm / -16.39 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69639 GHz / -37.87 dBm / -24.87 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70525 GHz / -45.41 dBm / -20.41 dB Date: 27.MAR.2021 00:36:36	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.67723 GHz / -9.74 dBm / -39.74 dB 2.690 GHz / 2.691 GHz / 300.000 kHz / 2.69001 GHz / -40.93 dBm / -30.93 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69110 GHz / -36.13 dBm / -26.13 dB 2.695 GHz / 2.705 GHz / 1.000 MHz / 2.69544 GHz / -39.36 dBm / -26.36 dB 2.705 GHz / 2.795 GHz / 1.000 MHz / 2.70687 GHz / -47.01 dBm / -22.01 dB Date: 27.MAR.2021 00:34:44	/

FR1 n41+41A / 40MHz / DFT-S OFDM BPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48873 GHz / -40.93 dBm / -15.93 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49489 GHz / -27.00 dBm / -14.00 dB 2.495 GHz / 2.496 GHz / 500.000 kHz / 2.49599 GHz / -19.82 dBm / -6.82 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49667 GHz / 5.33 dBm / -24.67 dB Date: 27.MAR.2021 00:48:24	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.391 GHz / 2.490 GHz / 1.000 MHz / 2.48545 GHz / -46.52 dBm / -21.52 dB 2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49497 GHz / -41.44 dBm / -28.44 dB 2.495 GHz / 2.496 GHz / 500.000 kHz / 2.49592 GHz / -39.27 dBm / -26.27 dB 2.496 GHz / 2.596 GHz / 100.000 kHz / 2.51447 GHz / -14.65 dBm / -44.65 dB Date: 27.MAR.2021 00:48:08	/

FR1 n41+41A / 40MHz / DFT-S OFDM BPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

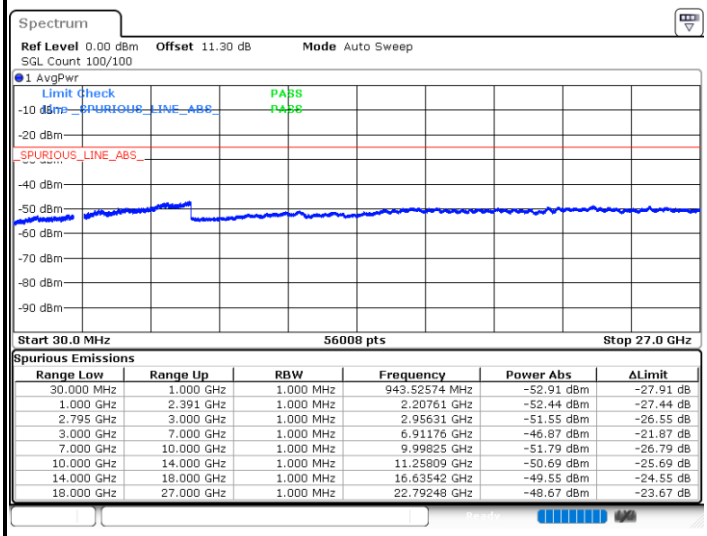
FR1 n41+41A / 40MHz / DFT-S OFDM QPSK	
Lowest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
	/
Lowest Band Edge / Full RB	**Channel Power < -13dBm Pass**
	/

FR1 n41+41A / 40MHz / DFT-S OFDM QPSK	
Highest Band Edge / 1 RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68938 GHz / 5.27 dBm / -24.73 dB 2.690 GHz / 2.691 GHz / 1.000 MHz / 2.69000 GHz / -14.43 dBm / -4.43 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69102 GHz / -34.37 dBm / -24.37 dB 2.695 GHz / 2.730 GHz / 1.000 MHz / 2.69513 GHz / -43.85 dBm / -30.85 dB 2.730 GHz / 2.795 GHz / 1.000 MHz / 2.78582 GHz / -47.91 dBm / -22.91 dB Date: 27.MAR.2021 00:41:41	/
Highest Band Edge / Full RB	**Channel Power < -13dBm Pass**
 Spurious Emissions Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit 2.590 GHz / 2.690 GHz / 100.000 kHz / 2.67078 GHz / -14.54 dBm / -44.54 dB 2.690 GHz / 2.691 GHz / 1.000 MHz / 2.69000 GHz / -32.71 dBm / -22.71 dB 2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69137 GHz / -39.96 dBm / -29.96 dB 2.695 GHz / 2.730 GHz / 1.000 MHz / 2.69814 GHz / -43.02 dBm / -30.02 dB 2.730 GHz / 2.795 GHz / 1.000 MHz / 2.78001 GHz / -47.20 dBm / -22.20 dB Date: 27.MAR.2021 00:38:32	/

Conducted Spurious Emission

FR1 n41+41A / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



Spurious Emissions

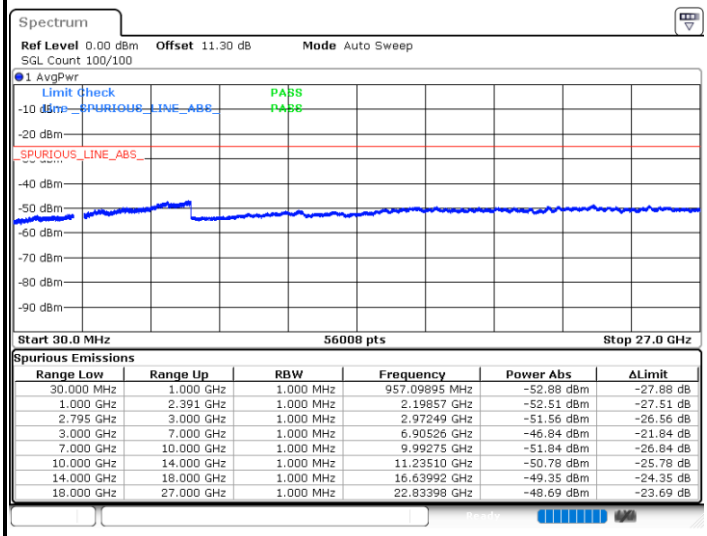
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-52.91 dBm	-27.91 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.20761 GHz	-52.44 dBm	-27.44 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95631 GHz	-51.55 dBm	-26.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91176 GHz	-46.87 dBm	-21.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99825 GHz	-51.79 dBm	-26.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25809 GHz	-50.69 dBm	-25.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63542 GHz	-49.55 dBm	-24.55 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79248 GHz	-48.67 dBm	-23.67 dB

Date: 26.MAR.2021 23:16:10

Middle Channel / 1RB

/

Highest Channel / 1RB



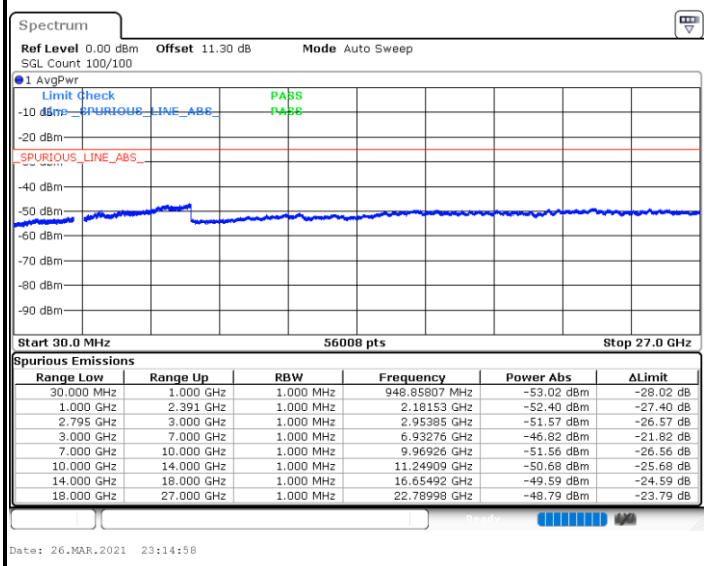
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-52.88 dBm	-27.88 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.19857 GHz	-52.51 dBm	-27.51 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97249 GHz	-51.56 dBm	-26.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90526 GHz	-46.84 dBm	-21.84 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99275 GHz	-51.84 dBm	-26.84 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.23510 GHz	-50.78 dBm	-25.78 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63992 GHz	-49.35 dBm	-24.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.83398 GHz	-48.69 dBm	-23.69 dB

Date: 26.MAR.2021 23:11:48

FR1 n41+41A / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-53.02 dBm	-28.02 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18153 GHz	-52.40 dBm	-27.40 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95385 GHz	-51.57 dBm	-26.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93276 GHz	-46.82 dBm	-21.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96926 GHz	-51.56 dBm	-26.56 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24909 GHz	-50.68 dBm	-25.68 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.65492 GHz	-49.59 dBm	-24.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.78998 GHz	-48.79 dBm	-23.79 dB

Date: 26.MAR.2021 23:14:58

Middle Channel / 1RB

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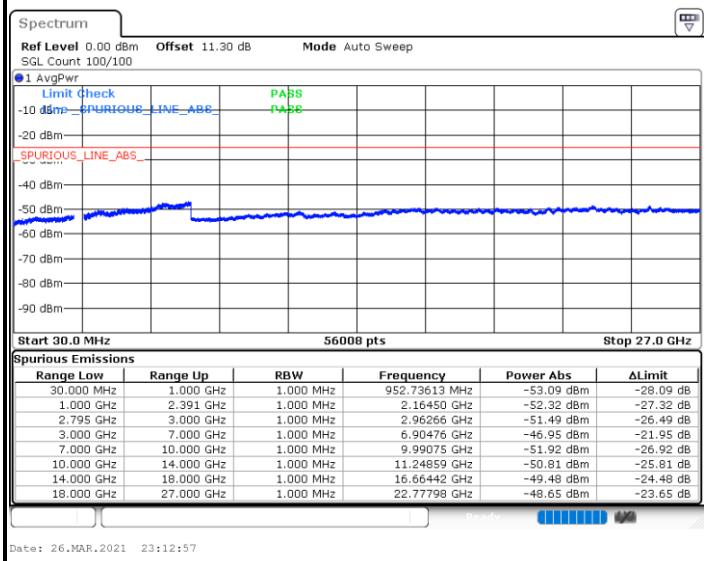
Highest Channel / 1RB



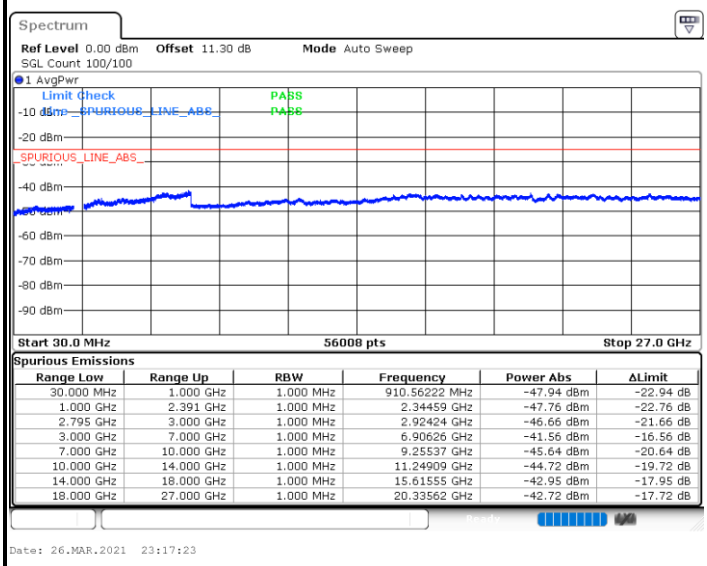
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-53.09 dBm	-28.09 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.16450 GHz	-52.32 dBm	-27.32 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96266 GHz	-51.49 dBm	-26.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90476 GHz	-46.95 dBm	-21.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99075 GHz	-51.92 dBm	-26.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24859 GHz	-50.81 dBm	-25.81 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.66442 GHz	-49.48 dBm	-24.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.77798 GHz	-48.65 dBm	-23.65 dB

Date: 26.MAR.2021 23:12:57

FR1 n41+41A / 15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.56222 MHz	-47.94 dBm	-22.94 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.34459 GHz	-47.76 dBm	-22.76 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.92424 GHz	-46.66 dBm	-21.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90626 GHz	-41.56 dBm	-16.56 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.25537 GHz	-45.64 dBm	-20.64 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24909 GHz	-44.72 dBm	-19.72 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.61555 GHz	-42.95 dBm	-17.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.33562 GHz	-42.72 dBm	-17.72 dB

Date: 26.MAR.2021 23:17:23

Middle Channel / 1RB

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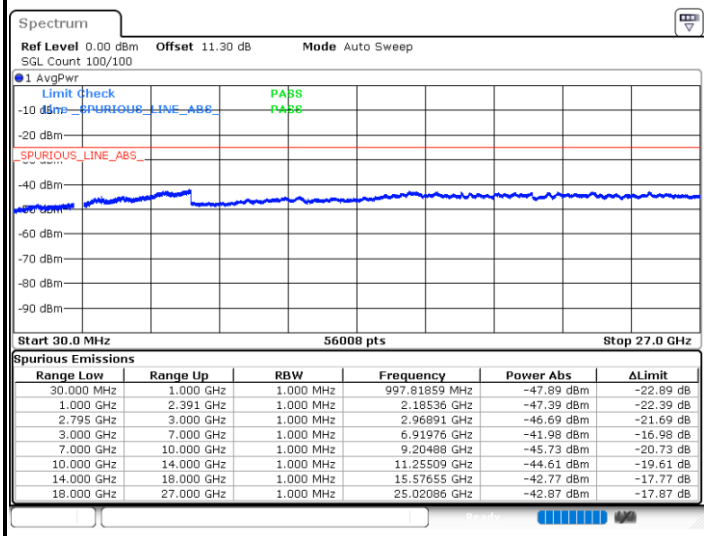
Highest Channel / 1RB



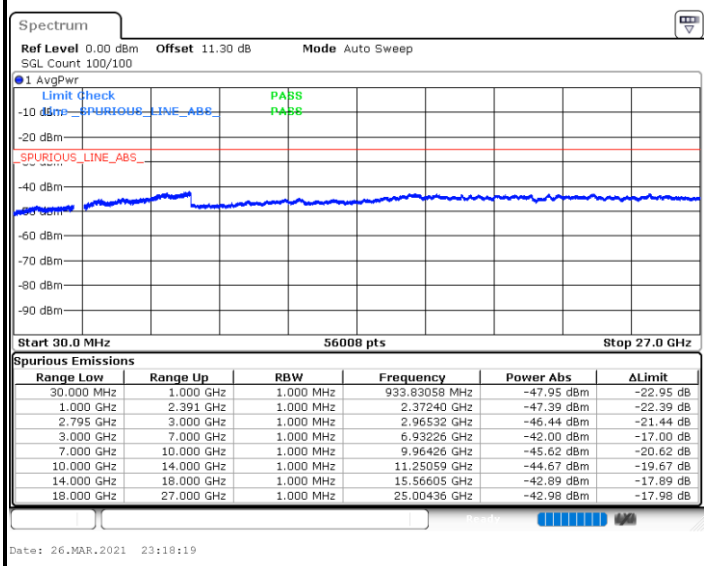
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.89 dBm	-22.89 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18536 GHz	-47.39 dBm	-22.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96891 GHz	-46.69 dBm	-21.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91976 GHz	-41.98 dBm	-16.98 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.20488 GHz	-45.73 dBm	-20.73 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25509 GHz	-44.61 dBm	-19.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.57655 GHz	-42.77 dBm	-17.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.02086 GHz	-42.87 dBm	-17.87 dB

Date: 26.MAR.2021 23:20:20

FR1 n41+41A / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-47.95 dBm	-22.95 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.37240 GHz	-47.39 dBm	-22.39 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96532 GHz	-46.44 dBm	-21.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93226 GHz	-42.00 dBm	-17.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96426 GHz	-45.62 dBm	-20.62 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25059 GHz	-44.67 dBm	-19.67 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.56605 GHz	-42.89 dBm	-17.89 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.00436 GHz	-42.98 dBm	-17.98 dB

Date: 26.MAR.2021 23:18:19

Middle Channel / 1RB

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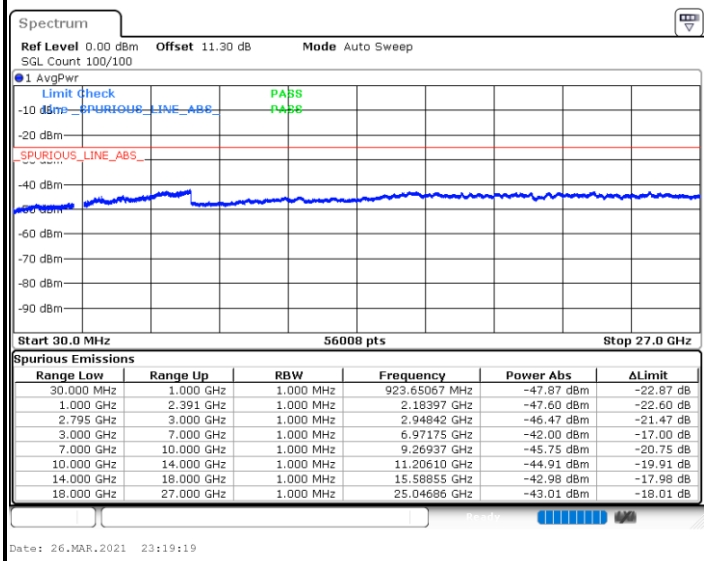
Highest Channel / 1RB



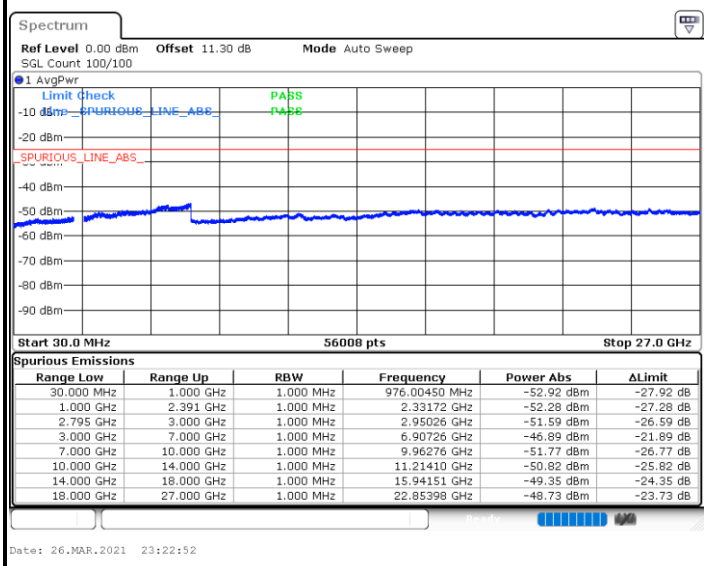
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.65067 MHz	-47.87 dBm	-22.87 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.18397 GHz	-47.60 dBm	-22.60 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94842 GHz	-46.47 dBm	-21.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97175 GHz	-42.00 dBm	-17.00 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.26937 GHz	-45.75 dBm	-20.75 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.20610 GHz	-44.91 dBm	-19.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.58855 GHz	-42.98 dBm	-17.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.04686 GHz	-43.01 dBm	-18.01 dB

Date: 26.MAR.2021 23:19:19

FR1 n41+41A / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



Spurious Emissions

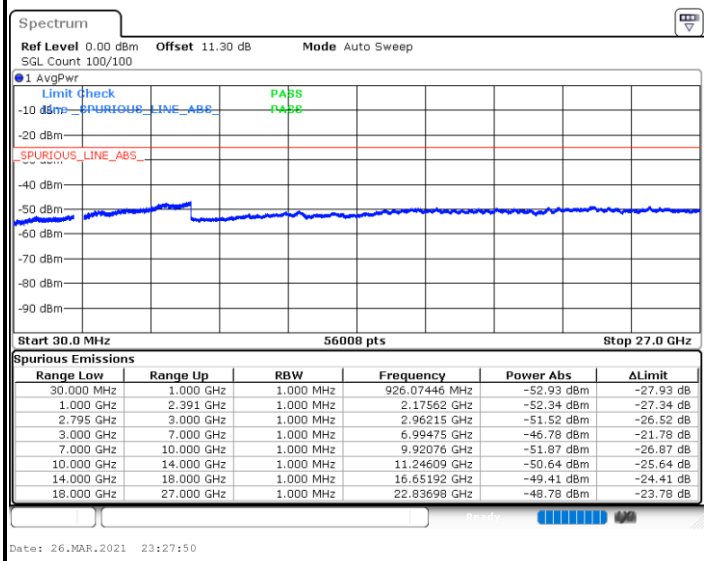
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-52.92 dBm	-27.92 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.33172 GHz	-52.28 dBm	-27.28 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95026 GHz	-51.59 dBm	-26.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90726 GHz	-46.89 dBm	-21.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96276 GHz	-51.77 dBm	-26.77 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.21410 GHz	-50.82 dBm	-25.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.94151 GHz	-49.35 dBm	-24.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.85398 GHz	-48.73 dBm	-23.73 dB

Date: 26.MAR.2021 23:22:52

Middle Channel / 1RB

/

Highest Channel / 1RB



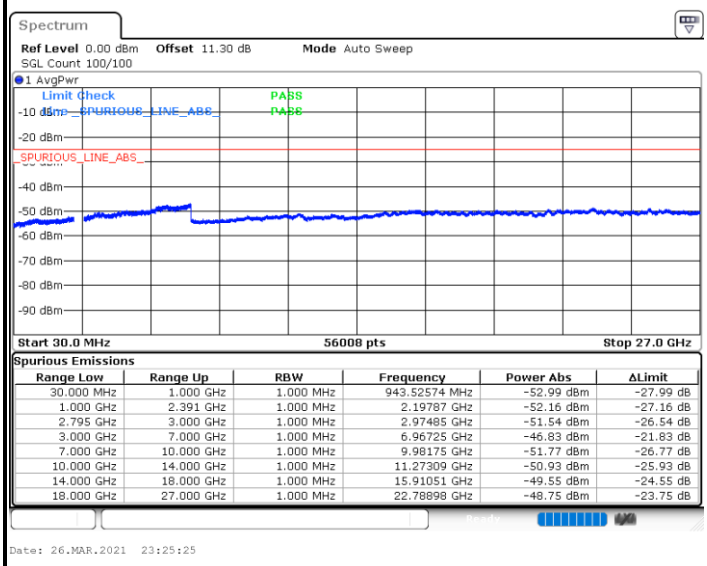
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.07446 MHz	-52.93 dBm	-27.93 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.17562 GHz	-52.34 dBm	-27.34 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96215 GHz	-51.52 dBm	-26.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-46.78 dBm	-21.78 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.92076 GHz	-51.87 dBm	-26.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.24609 GHz	-50.64 dBm	-25.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.65192 GHz	-49.41 dBm	-24.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.83698 GHz	-48.78 dBm	-23.78 dB

Date: 26.MAR.2021 23:27:50

FR1 n41+41A / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



Spurious Emissions

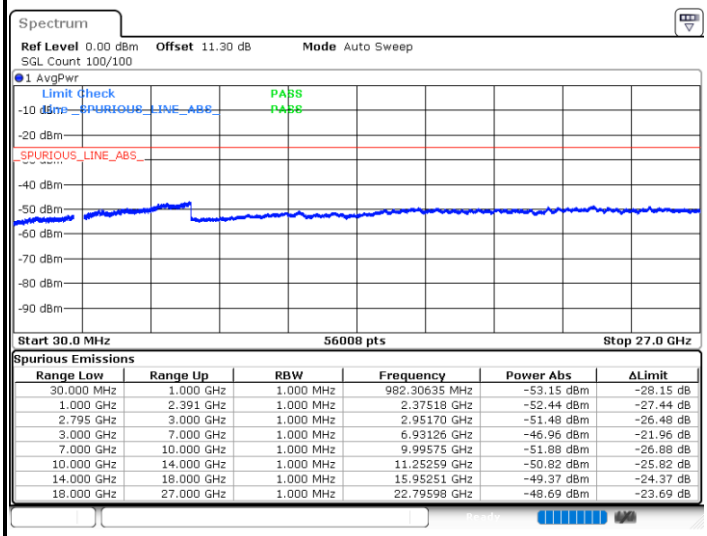
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-52.99 dBm	-27.99 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.19787 GHz	-52.16 dBm	-27.16 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97485 GHz	-51.54 dBm	-26.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96725 GHz	-46.83 dBm	-21.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98175 GHz	-51.77 dBm	-26.77 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.27309 GHz	-50.93 dBm	-25.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.91051 GHz	-49.55 dBm	-24.55 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.78898 GHz	-48.75 dBm	-23.75 dB

Date: 26.MAR.2021 23:25:25

Middle Channel / 1RB

/

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-53.15 dBm	-28.15 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.37518 GHz	-52.44 dBm	-27.44 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95170 GHz	-51.48 dBm	-26.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93126 GHz	-46.96 dBm	-21.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99575 GHz	-51.88 dBm	-26.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.25259 GHz	-50.82 dBm	-25.82 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.95251 GHz	-49.37 dBm	-24.37 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.79598 GHz	-48.69 dBm	-23.69 dB

Date: 26.MAR.2021 23:26:27

Frequency Stability

Test Conditions		NR n41+41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0003	

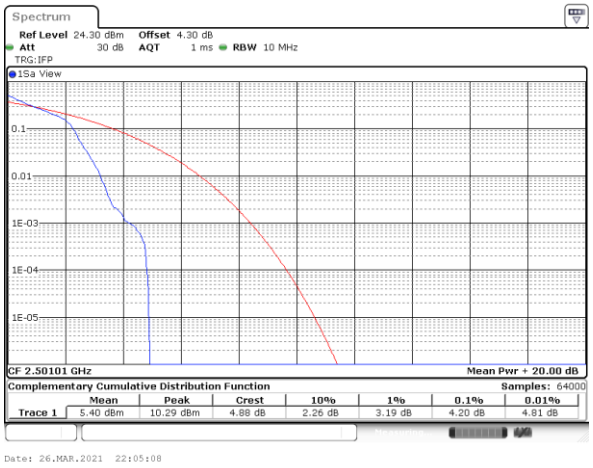
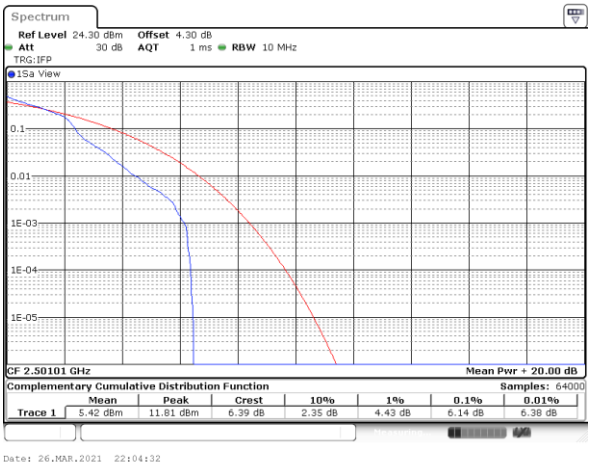
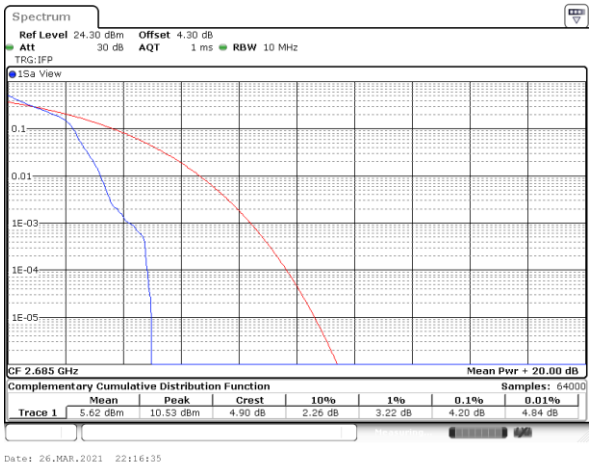
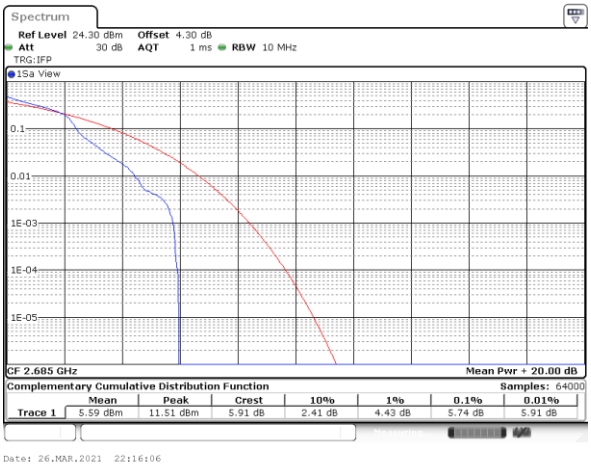
Note:

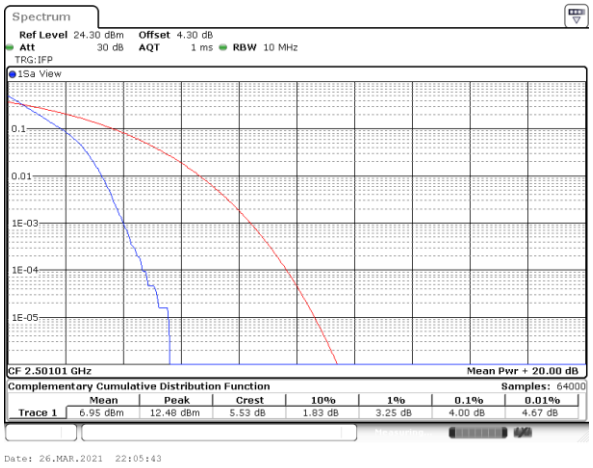
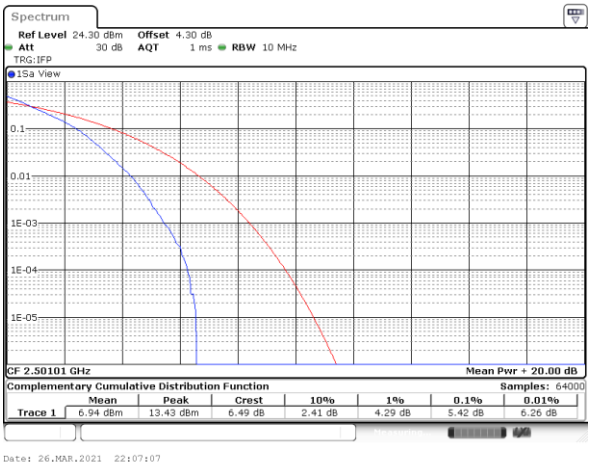
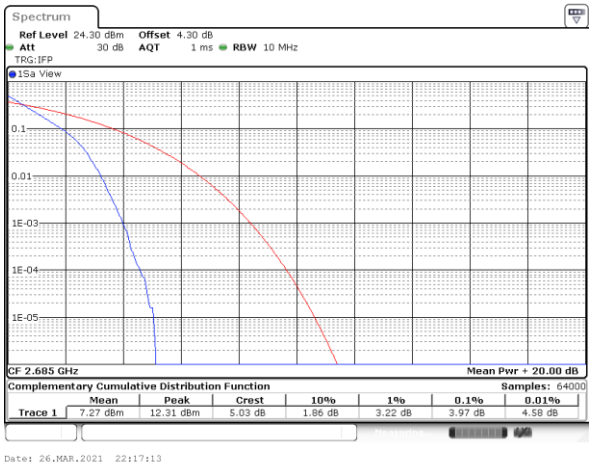
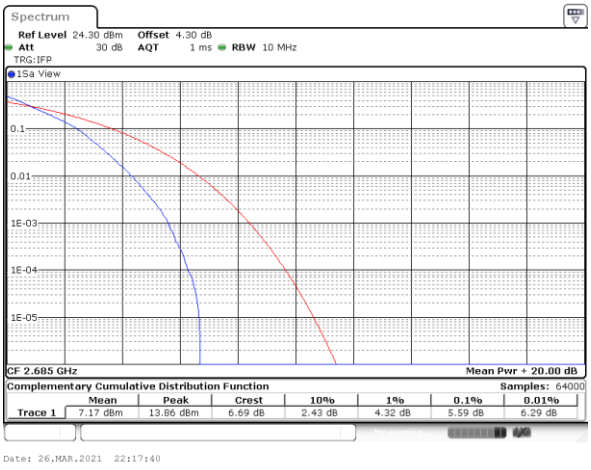
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

5G NR n41 NSA-SCS 30K

Peak-to-Average Ratio

Mode	FR1 n41+41A / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.20	4.00	6.14	5.42	PASS
Middle CH	-	-	-	-	
Highest CH	4.20	3.97	5.74	5.59	

FR1 n41+41A / 10MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / 1RB	**Lowest Channel / 1RB**
	
Highest Channel / 1 RB	**Highest Channel / 1 RB**
	

FR1 n41+41A / 10MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / Full RB	**Lowest Channel / Full RB**
	
Highest Channel / Full RB	**Highest Channel / Full RB**
	

26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.27	9.29	9.37	9.13				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.27	14.75	14.30	14.48				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	28.95	29.13	29.07	28.83				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	40.2	40.04	40.2	40.12				

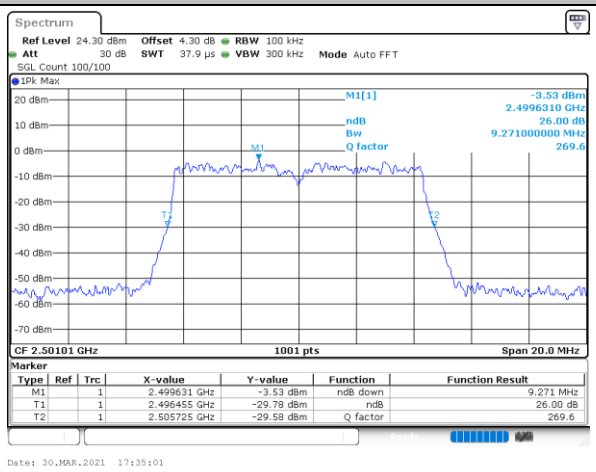
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	49.75	49.75	49.75	49.75				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	79.92	79.92	79.76	79.92				

FR1 n41 / 10MHz / CP-OFDM

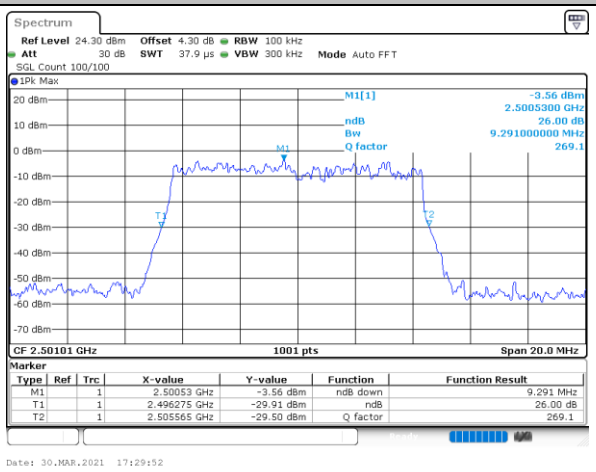
QPSK

Lowerst Channel



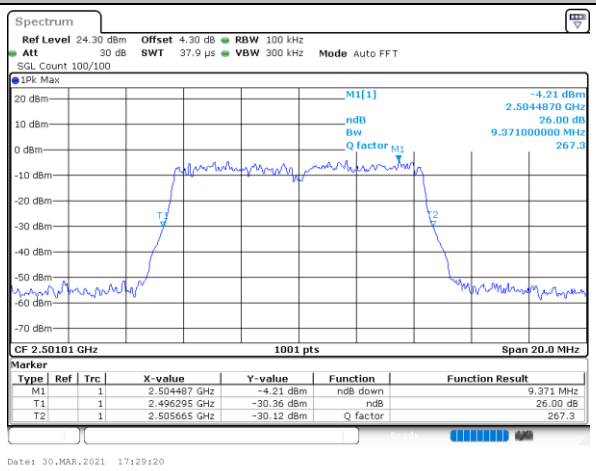
16QAM

Lowerst Channel



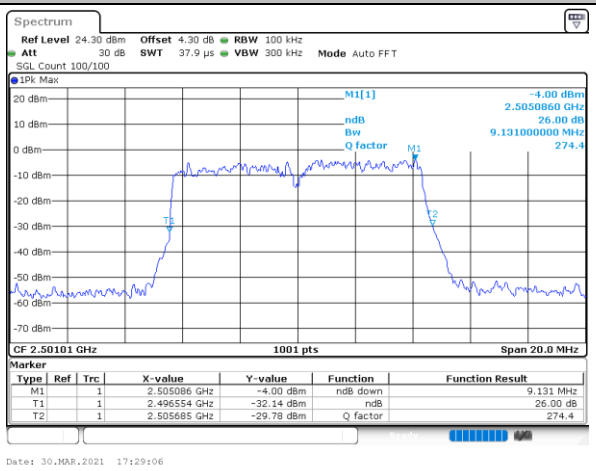
64QAM

Lowerst Channel



256QAM

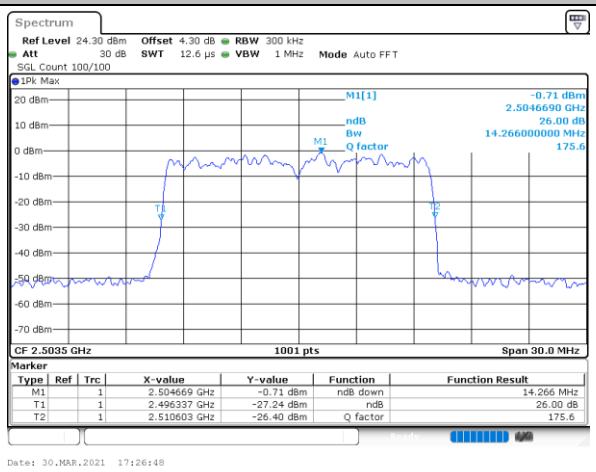
Lowerst Channel



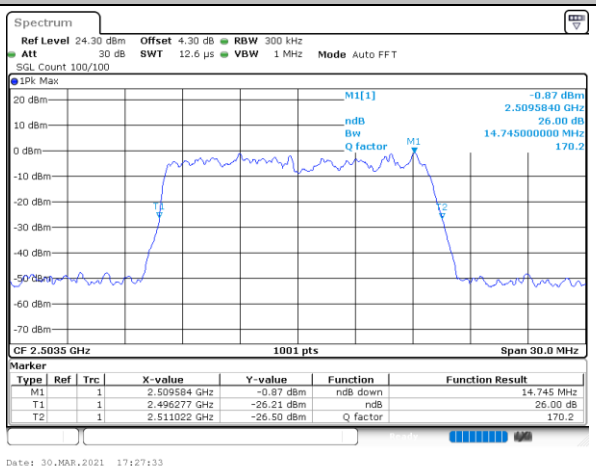
FR1 n41 / 15MHz / CP-OFDM

QPSK

Lowerst Channel

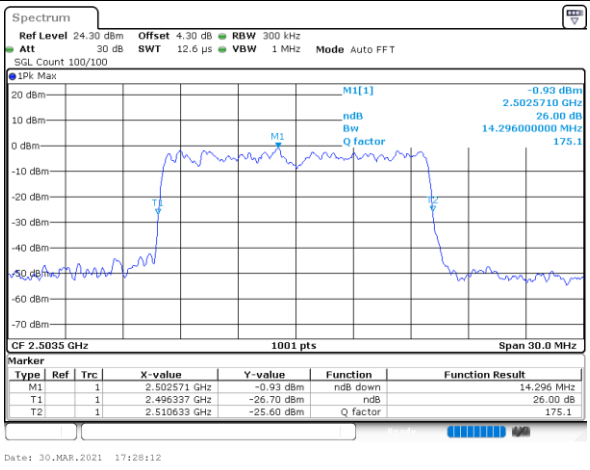


Lowerst Channel



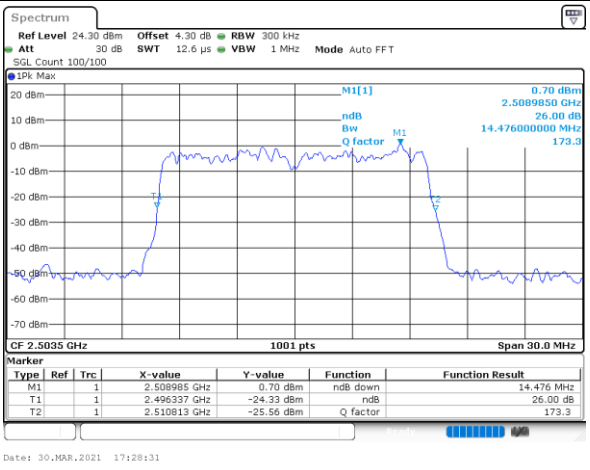
64QAM

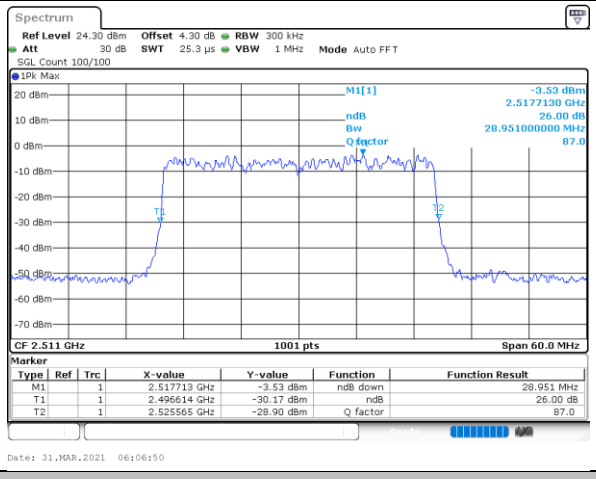
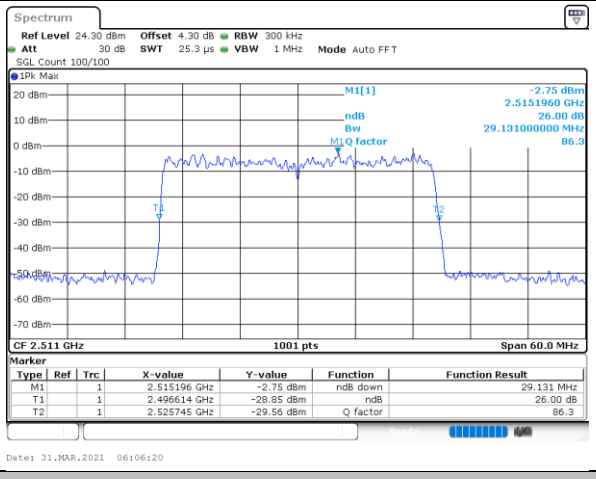
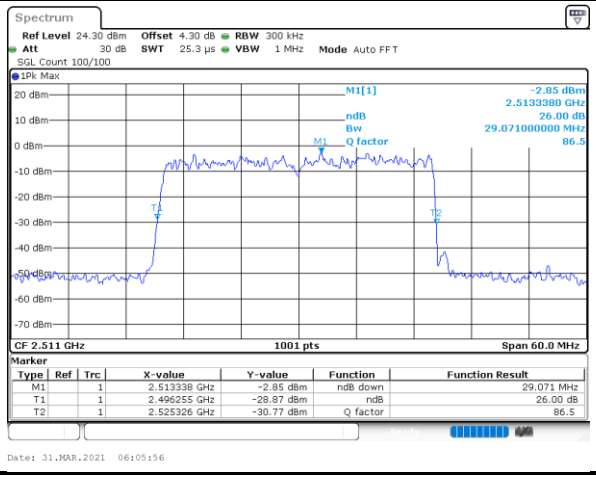
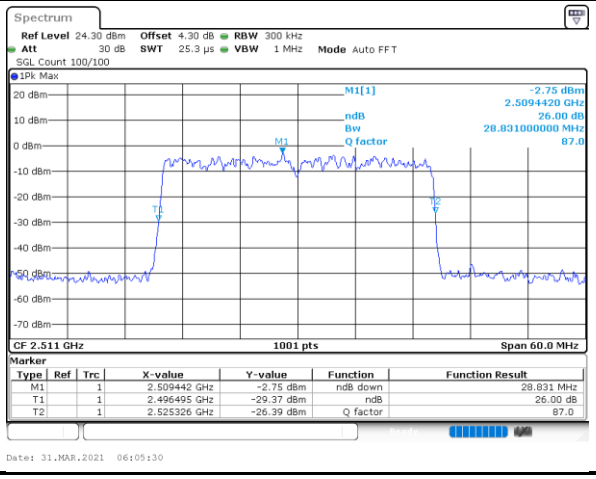
Lowerst Channel



256QAM

Lowerst Channel

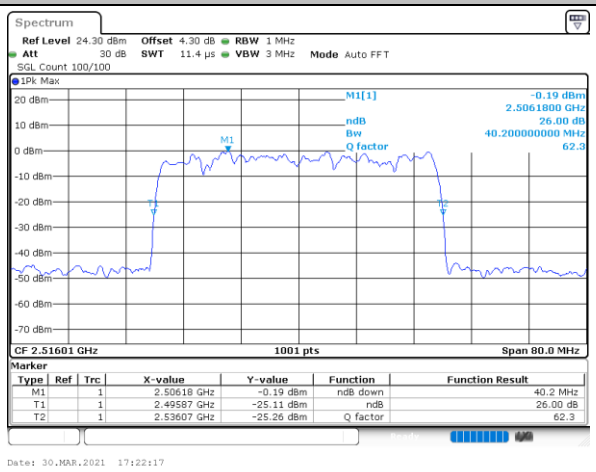


FR1 n41 / 30MHz / CP-OFDM	
QPSK	**16QAM**
Lowerst Channel	**Lowerst Channel**
	
64QAM	**256QAM**
Lowerst Channel	**Lowerst Channel**
	

FR1 n41 / 40MHz / CP-OFDM

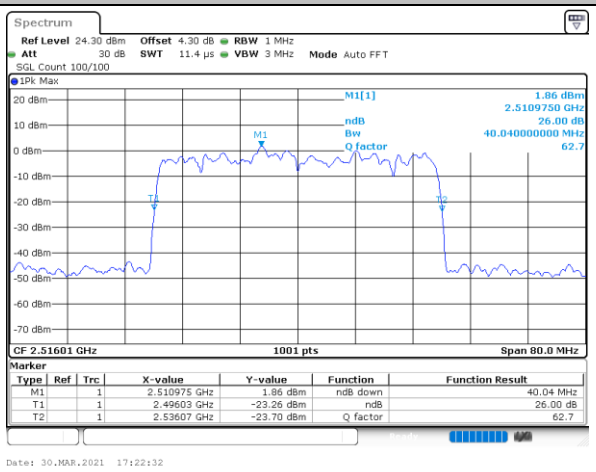
QPSK

Lowerst Channel



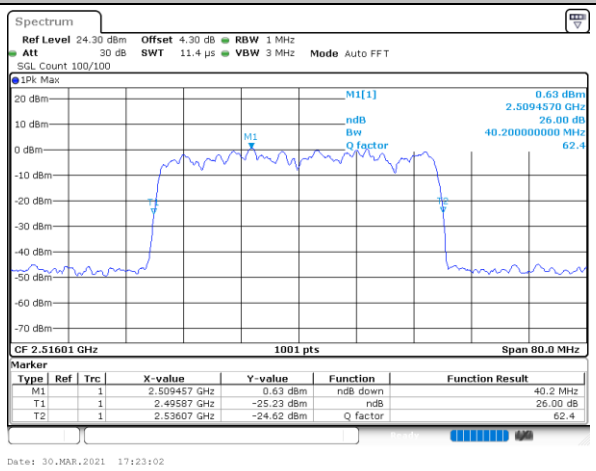
16QAM

Lowerst Channel



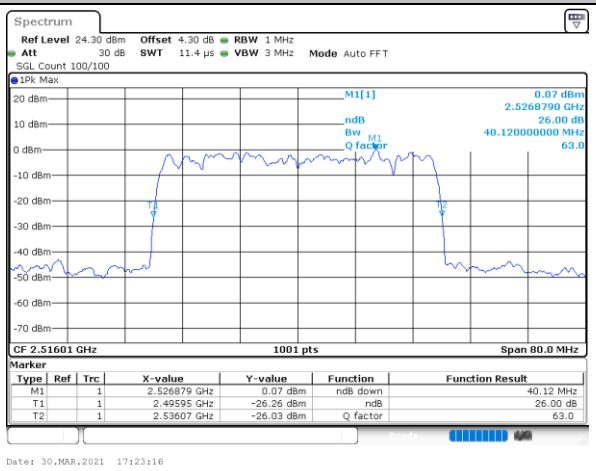
64QAM

Lowerst Channel



256QAM

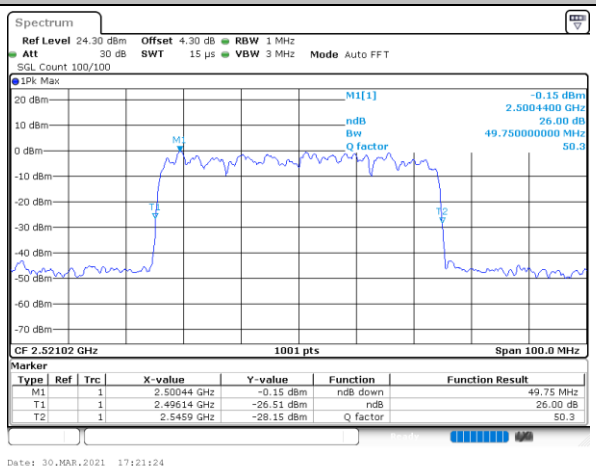
Lowerst Channel



FR1 n41 / 50MHz / CP-OFDM

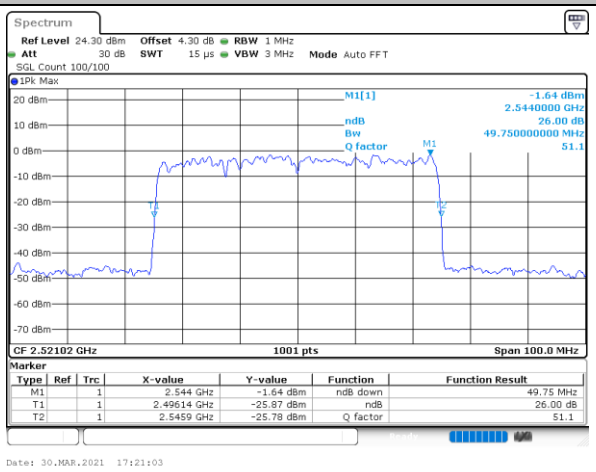
QPSK

Lowerst Channel



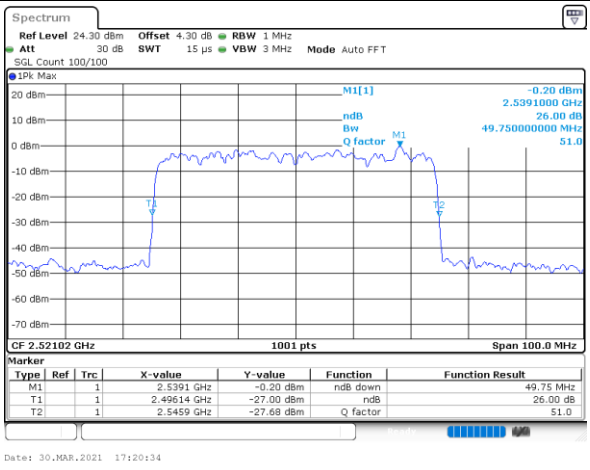
16QAM

Lowerst Channel



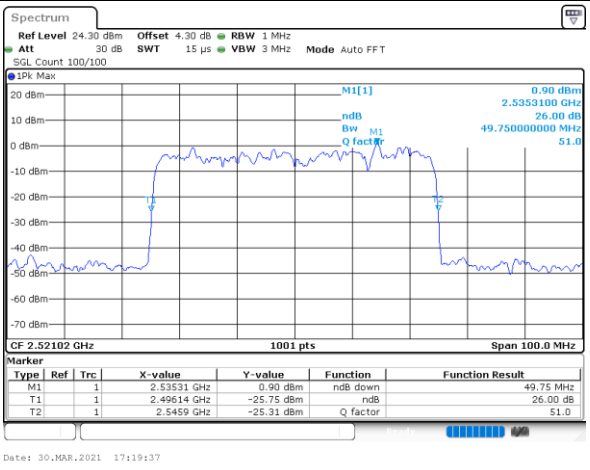
64QAM

Lowerst Channel



256QAM

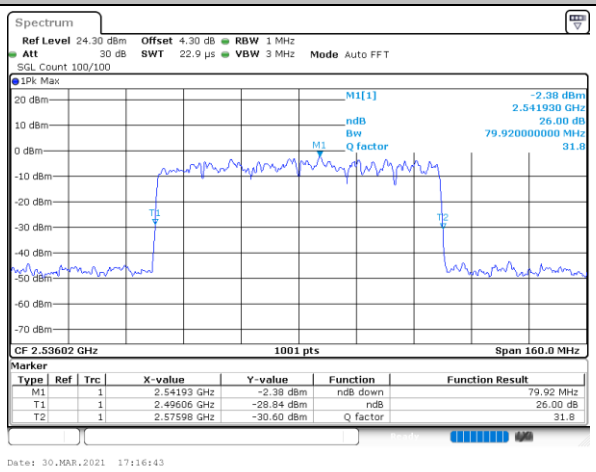
Lowerst Channel



FR1 n41 / 80MHz / CP-OFDM

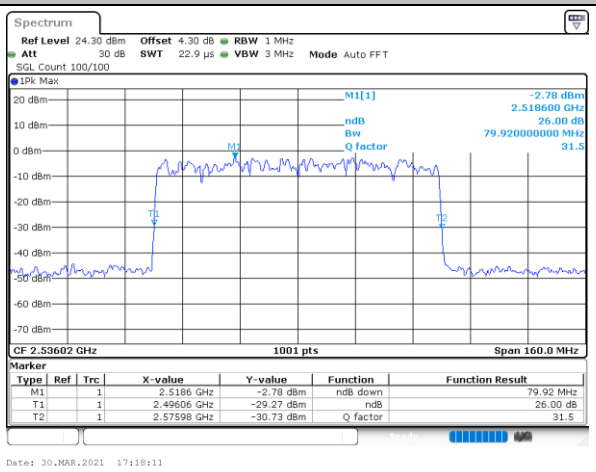
QPSK

Lowerst Channel



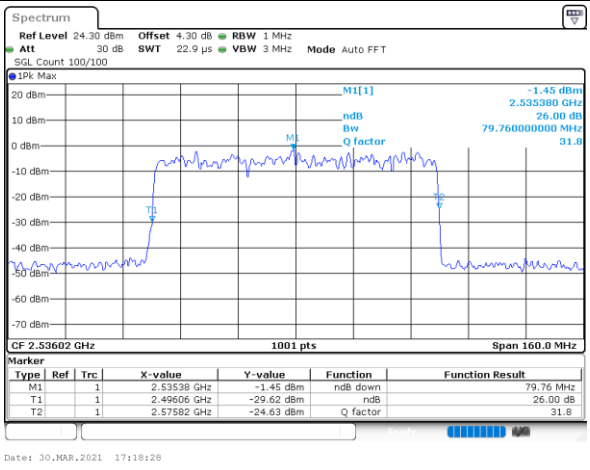
16QAM

Lowerst Channel



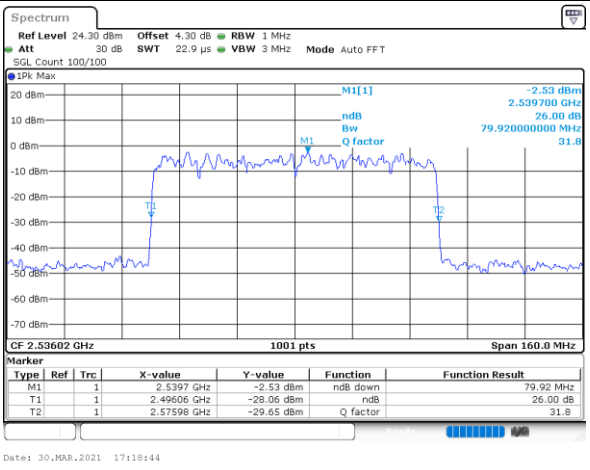
64QAM

Lowerst Channel



256QAM

Lowerst Channel



Occupied Bandwidth

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	8.57	8.57	8.57	8.53				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	13.58	13.49	13.55	13.52				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	27.81	27.87	27.75	27.75				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	38.12	37.80	37.88	37.72				

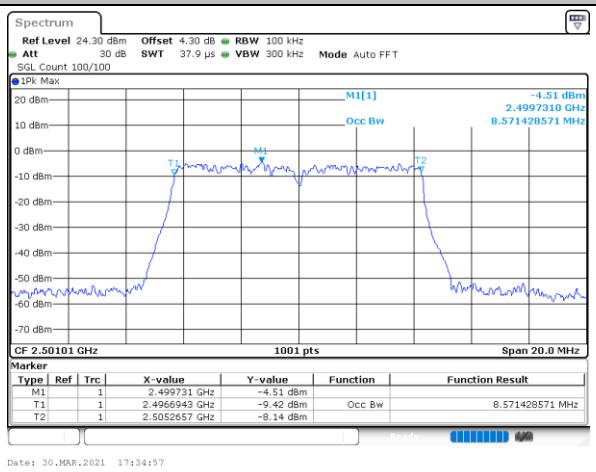
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	47.65	47.35	47.65	47.85				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	77.36	77.52	77.20	77.36				

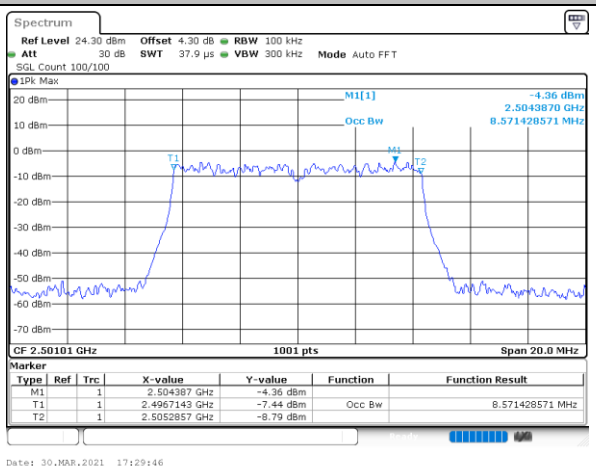
FR1 n41 / 10MHz / CP-OFDM

QPSK

Lowerst Channel

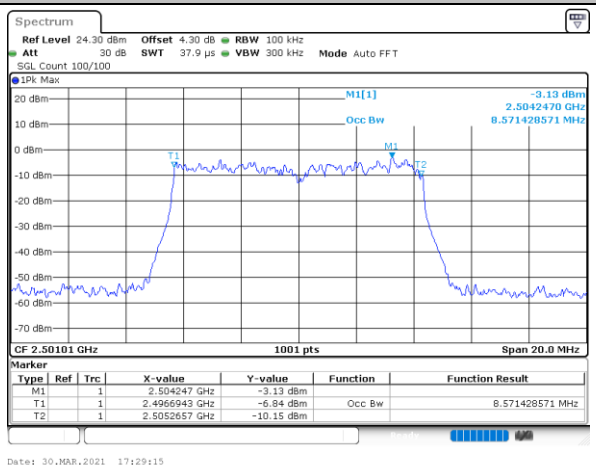


Lowerst Channel



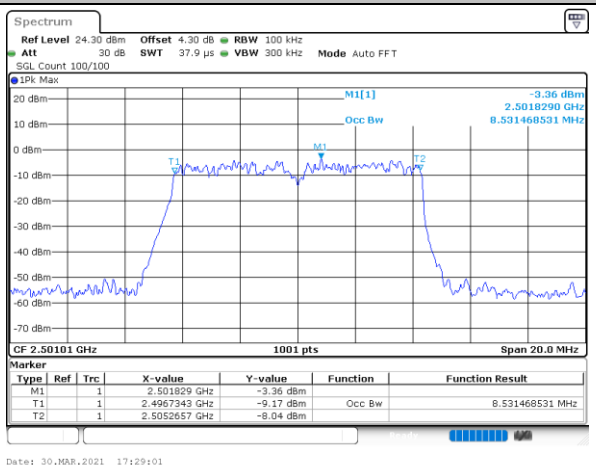
64QAM

Lowerst Channel



256QAM

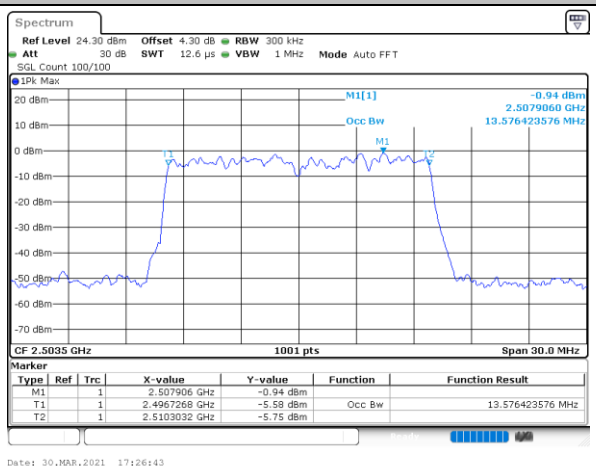
Lowerst Channel



FR1 n41 / 15MHz / CP-OFDM

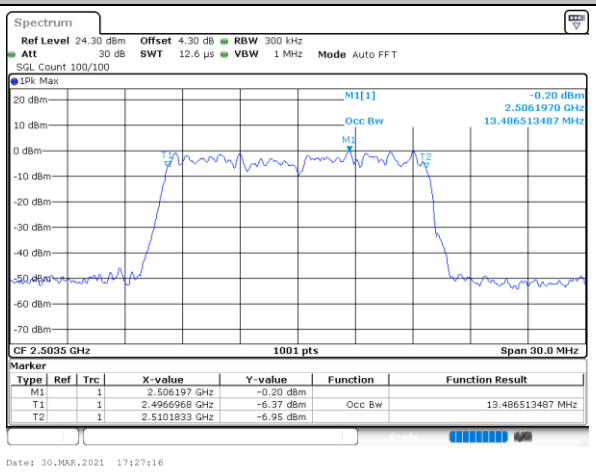
QPSK

Lowerst Channel



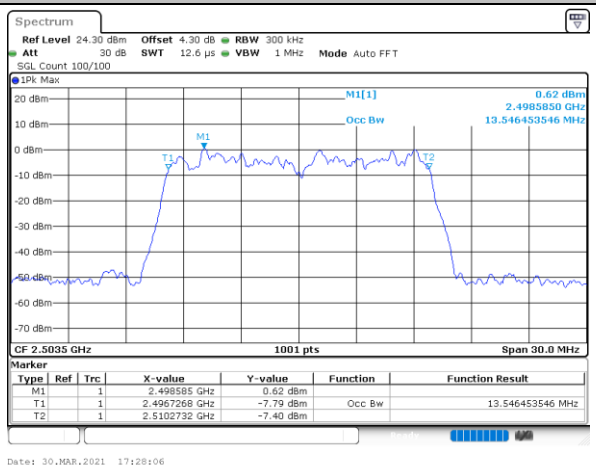
16QAM

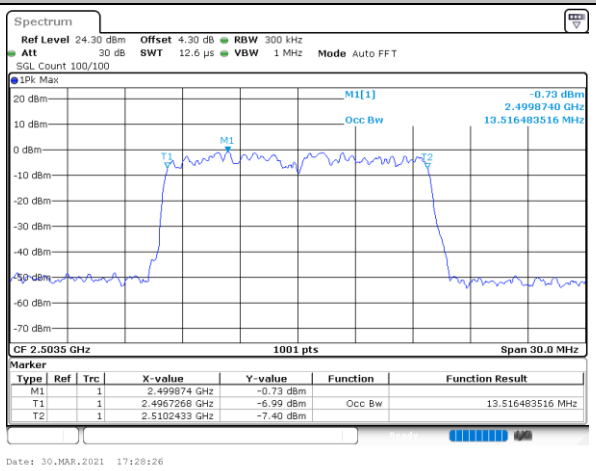
Lowerst Channel



64QAM

Lowerst Channel



256QAM

Lowerst Channel