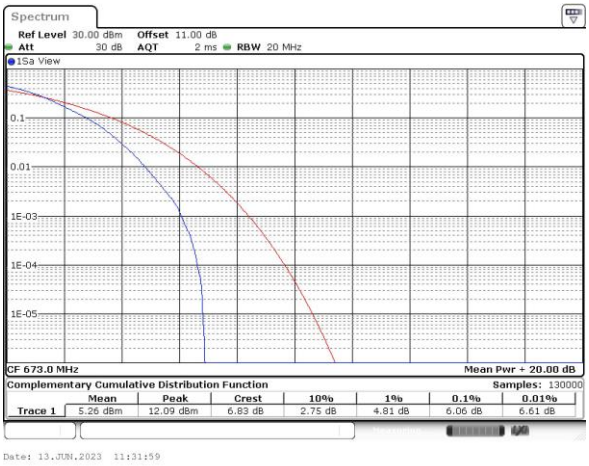
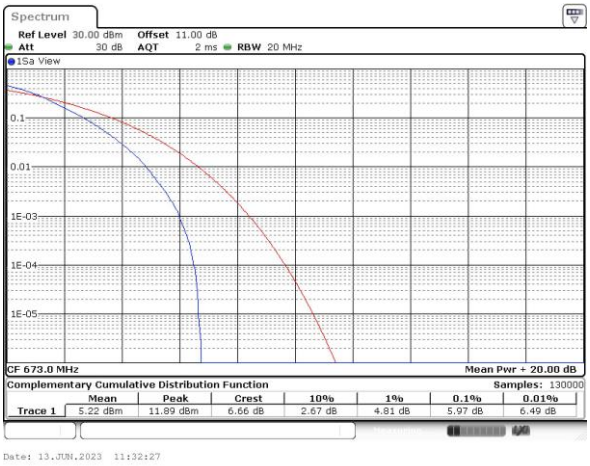
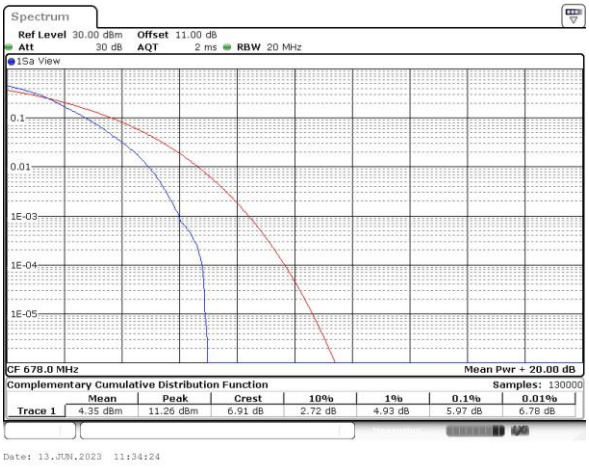
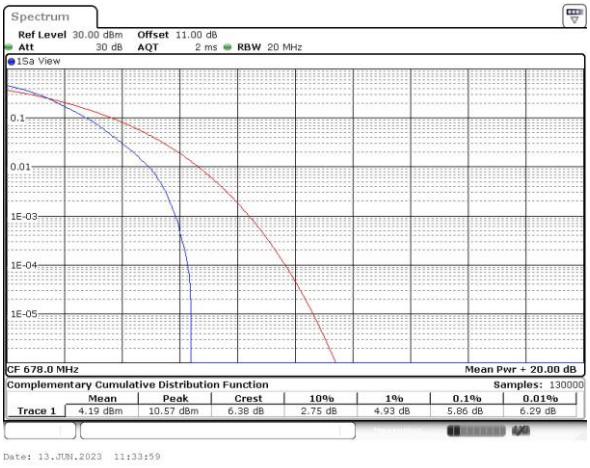
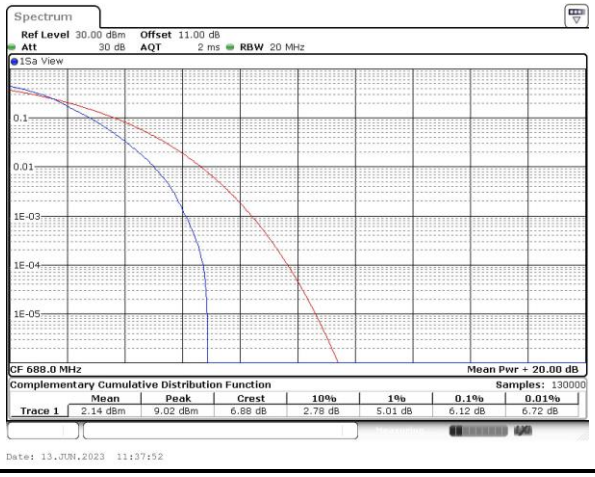
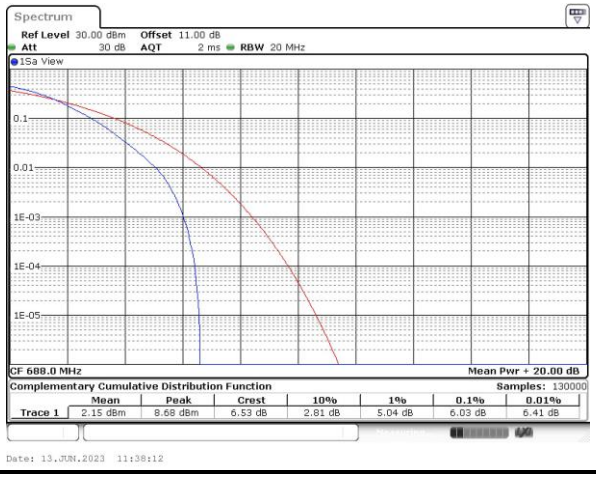
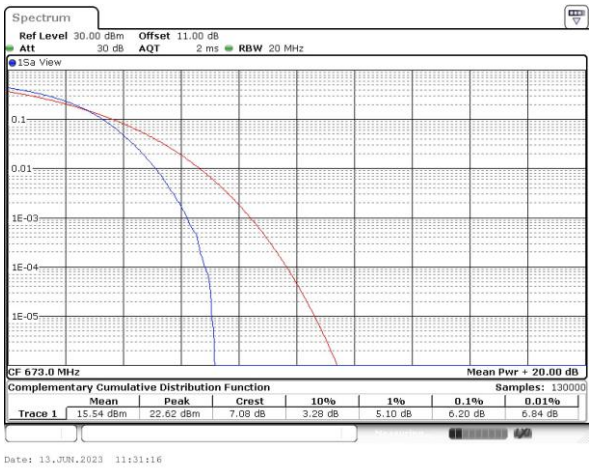
FR1 n71AA / 20MHz / DFT-S OFDM	
PI/2 BPSK	**QPSK**
Lowest Channel / 1RB	**Lowest Channel / 1RB**
	
Middle Channel / 1 RB	**Middle Channel / 1 RB**
	
Highest Channel / 1 RB	**Highest Channel / 1 RB**
	

FR1 n71AA / 20MHz / DFT-S OFDM

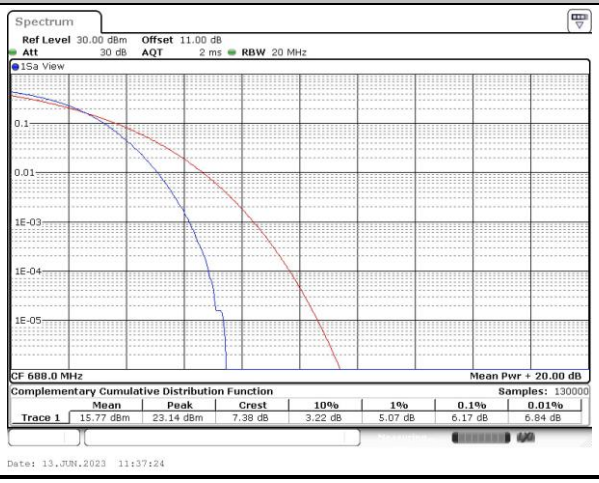
PI/2 BPSK

Lowest Channel / Full RB



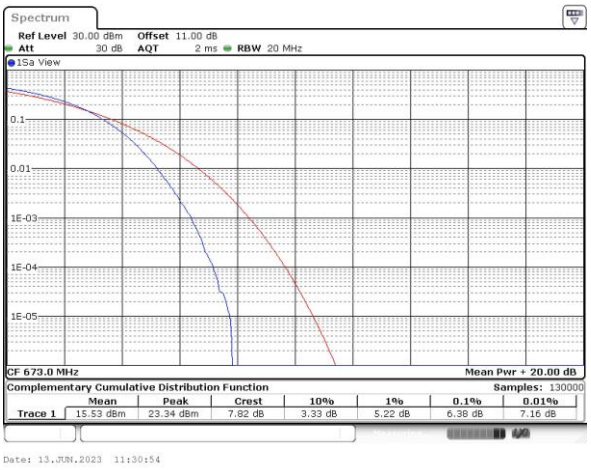
Middle Channel / Full RB

Highest Channel / Full RB



QPSK

Lowest Channel / Full RB



Middle Channel / Full RB

Highest Channel / Full RB

26dB Bandwidth

Mode	FR1 n71AA : 26dB BW(MHz) / CP- OFDM			
BW	5M+15M	5M+15M	5M+15M	5M+15M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.7	19.86	19.86	19.66

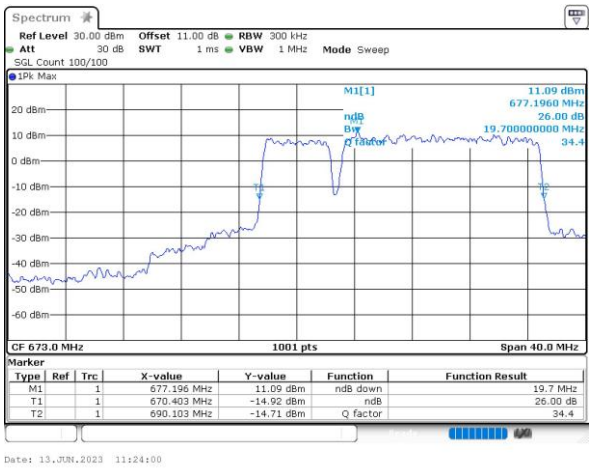
Mode	FR1 n71AA : 26dB BW(MHz) / CP- OFDM			
BW	10M+15M	10M+15M	10M+15M	10M+15M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	26.02	25.97	25.97	25.92

Mode	FR1 n71AA : 26dB BW(MHz) / CP- OFDM			
BW	15M+10M	15M+10M	15M+10M	15M+10M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	26.07	26.07	26.07	26.07

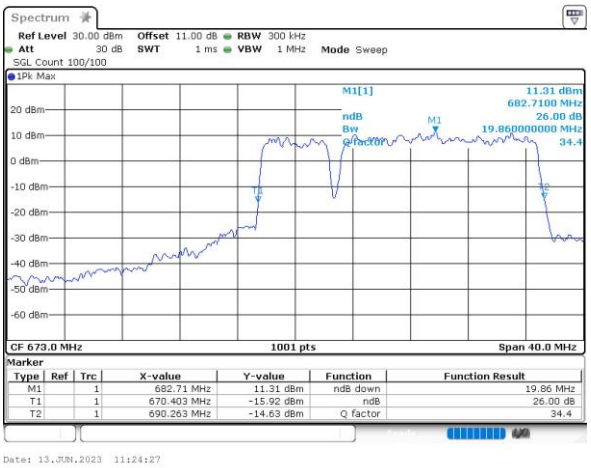
Mode	FR1 n71AA : 26dB BW(MHz) / CP-S OFDM			
BW	20M+5M	20M+5M	20M+5M	20M+5M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	26.22	26.12	26.17	26.22

FR1 n71AA / 5M+15M / CP-OFDM

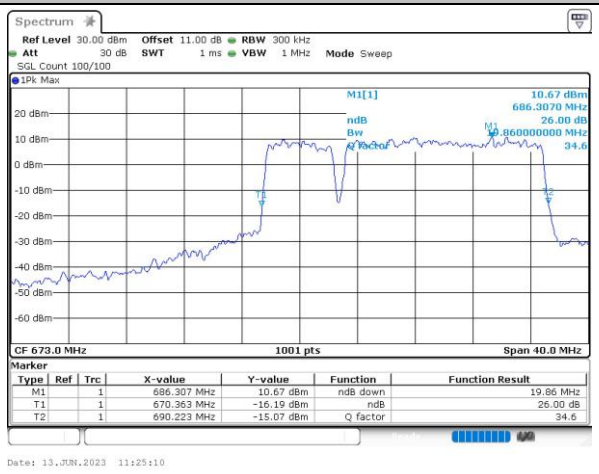
Middle Channel — QPSK



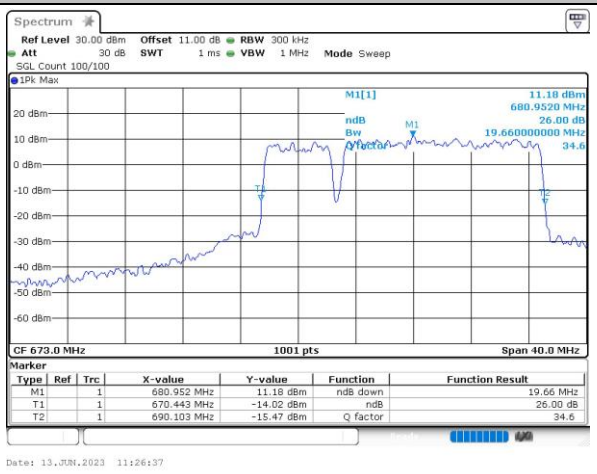
Middle Channel — 16QAM



64QAM

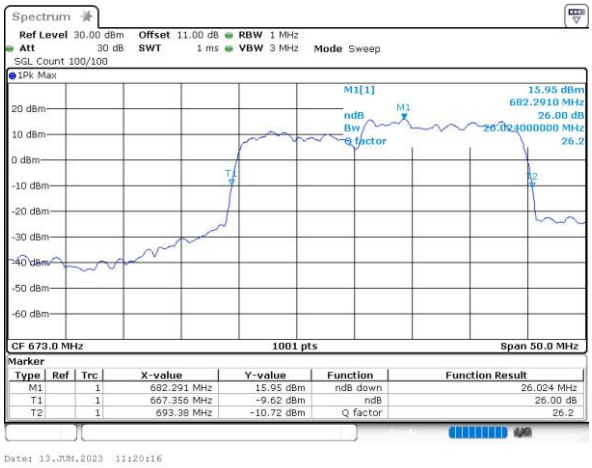


256QAM

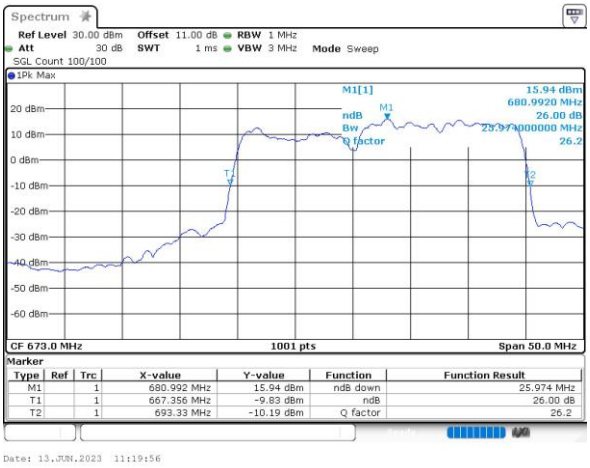


FR1 n71AA / 10M+15M / CP-OFDM

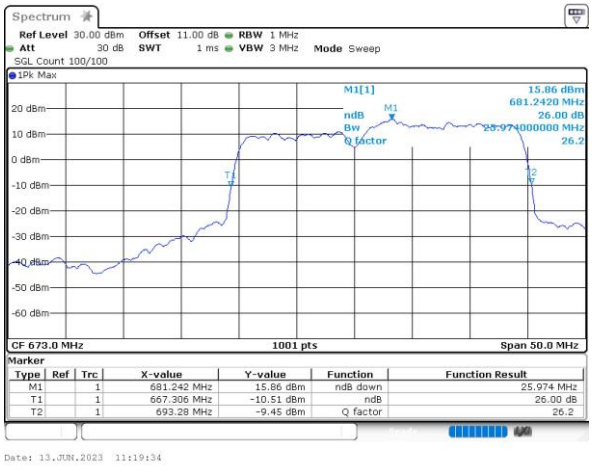
Middle Channel — QPSK



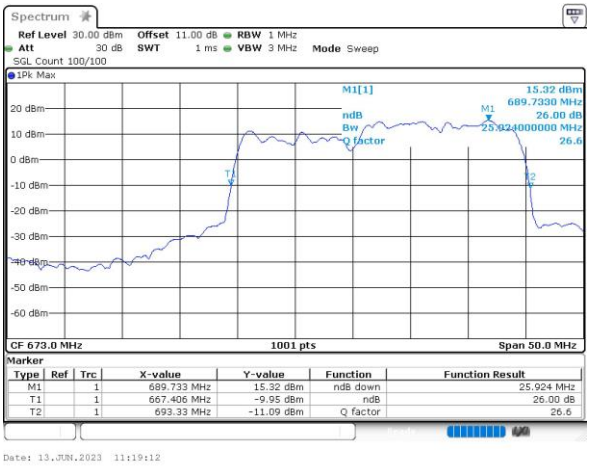
Middle Channel — 16QAM



64QAM

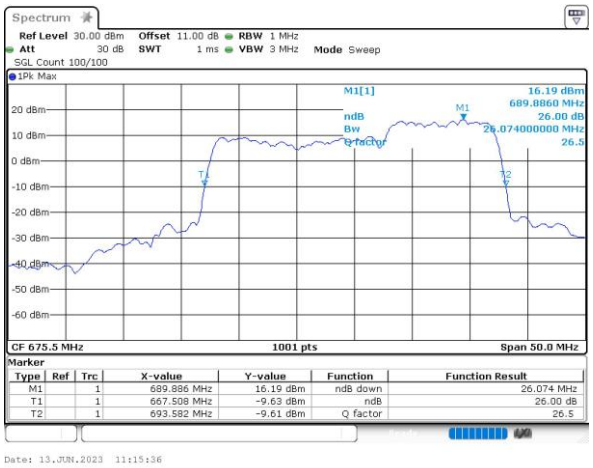


256QAM

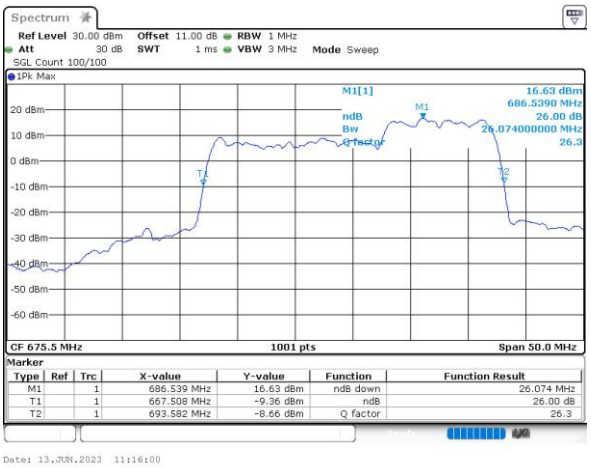


FR1 n71AA / 15M+10M / CP-OFDM

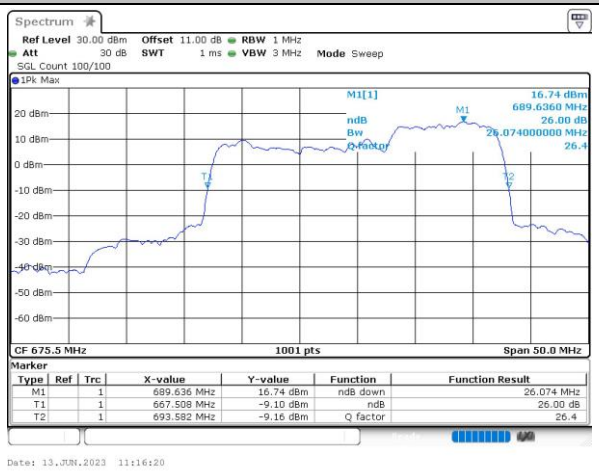
Middle Channel — QPSK



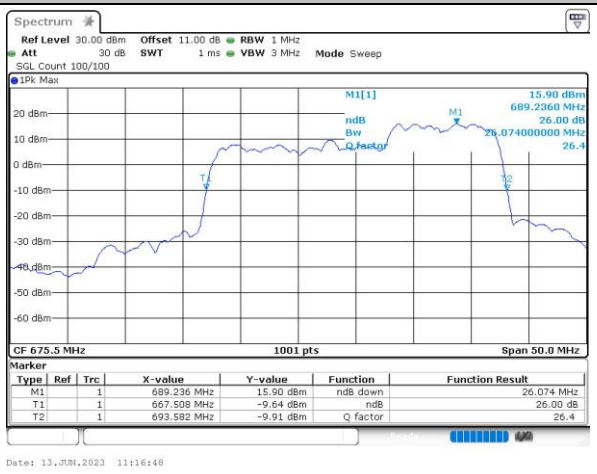
Middle Channel — 16QAM



64QAM



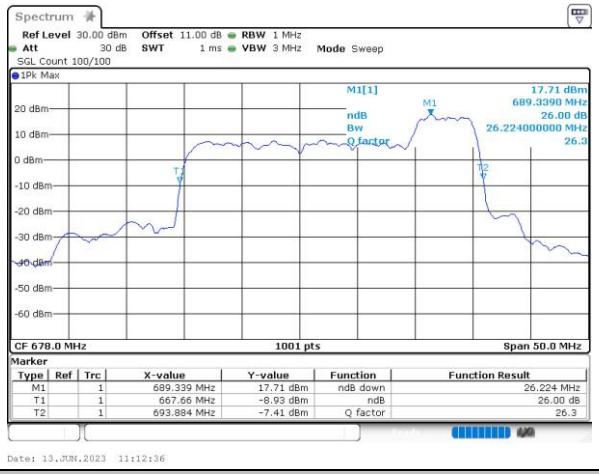
256QAM



FR1 n71AA / 20M+5M / CP-OFDM

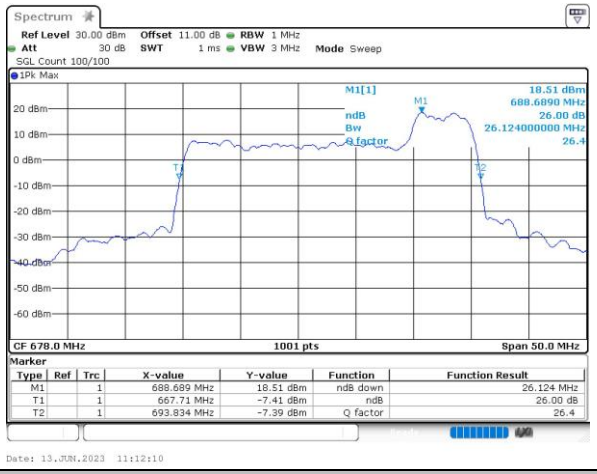
Middle Channel

QPSK

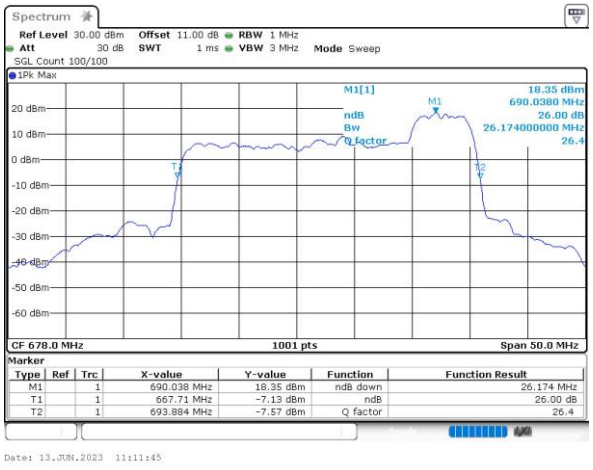


Middle Channel

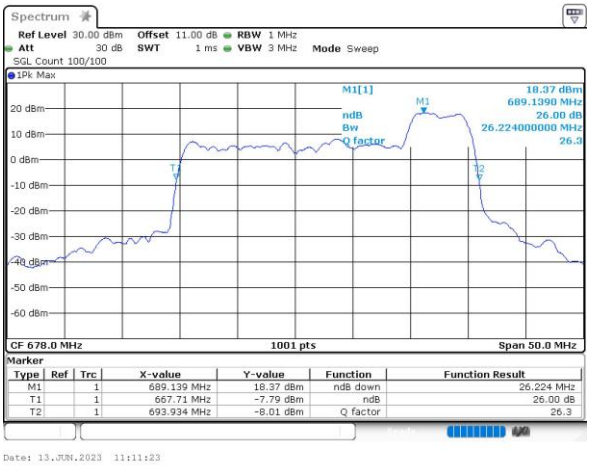
16QAM



64QAM



256QAM



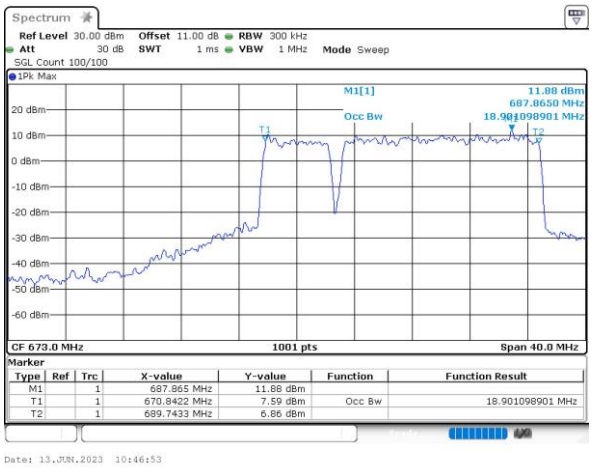
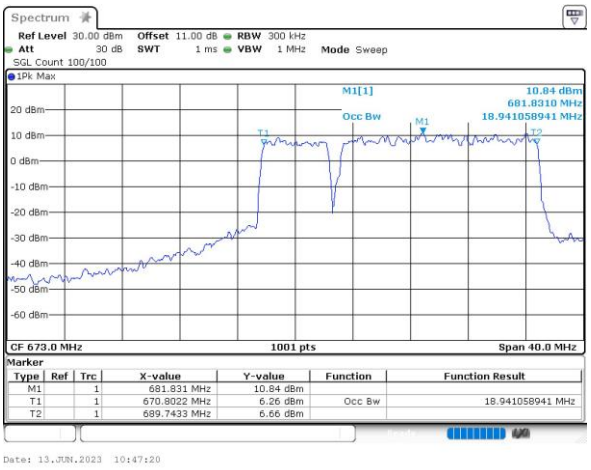
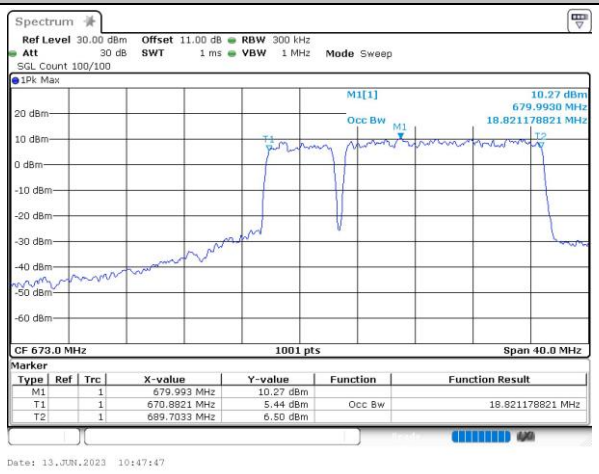
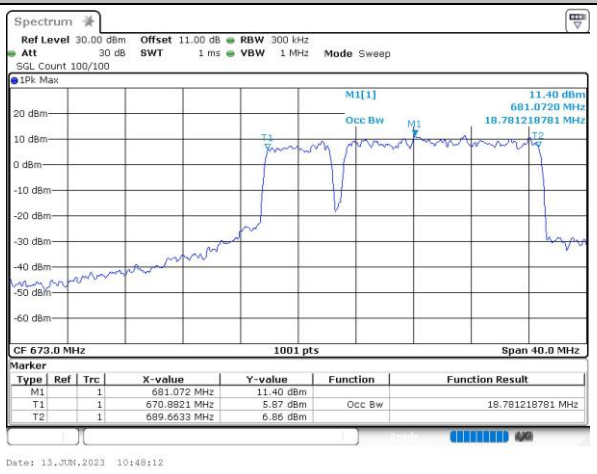
Occupied Bandwidth

Mode	FR1 n71AA : 26dB BW(MHz) / CP- OFDM			
BW	5M+15M	5M+15M	5M+15M	5M+15M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.9	18.94	18.82	18.78

Mode	FR1 n71AA : 26dB BW(MHz) / CP- OFDM			
BW	10M+15M	10M+15M	10M+15M	10M+15M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.08	24.03	23.93	24.13

Mode	FR1 n71AA : 26dB BW(MHz) / CP- OFDM			
BW	15M+10M	15M+10M	15M+10M	15M+10M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.23	24.28	24.28	24.28

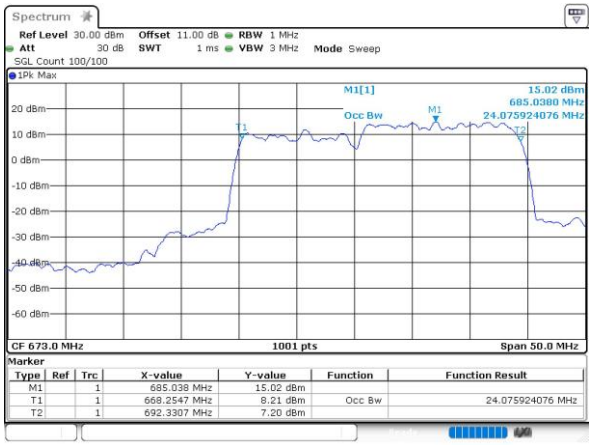
Mode	FR1 n71AA : 26dB BW(MHz) / CP-S OFDM			
BW	20M+5M	20M+5M	20M+5M	20M+5M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.58	24.63	24.78	24.23

FR1 n71AA / 5M+15M / CP-OFDM	
Middle Channel	**Middle Channel**
QPSK	**16QAM**
	
64QAM	**256QAM**
	

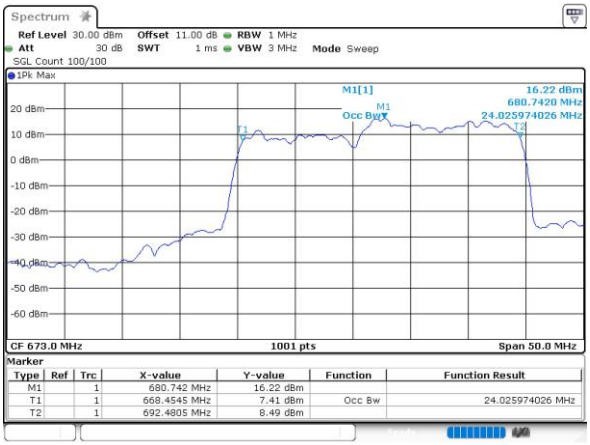
FR1 n71AA / 10M+15M / CP-OFDM

Middle Channel

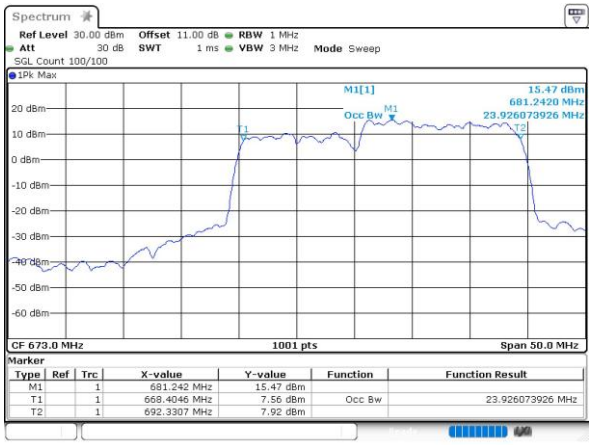
QPSK



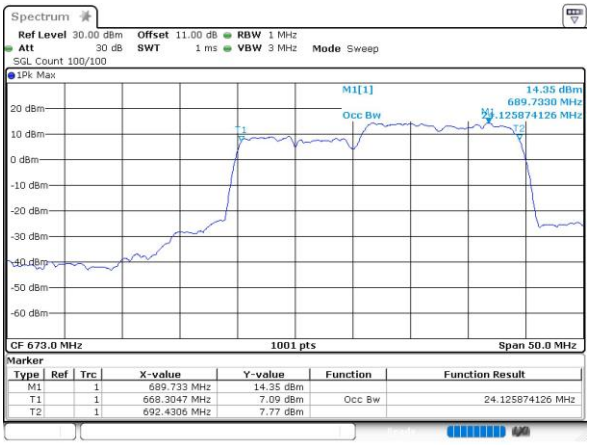
16QAM

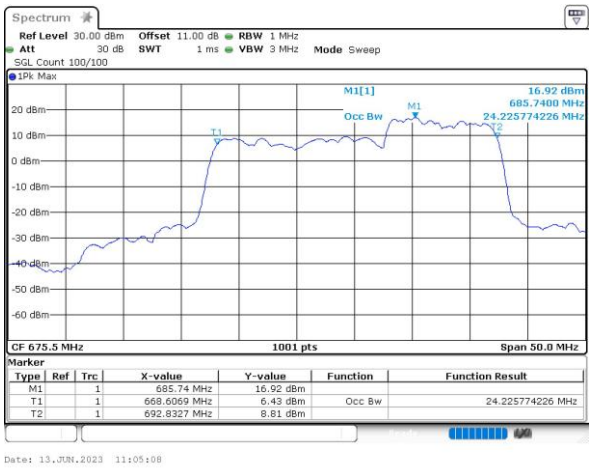
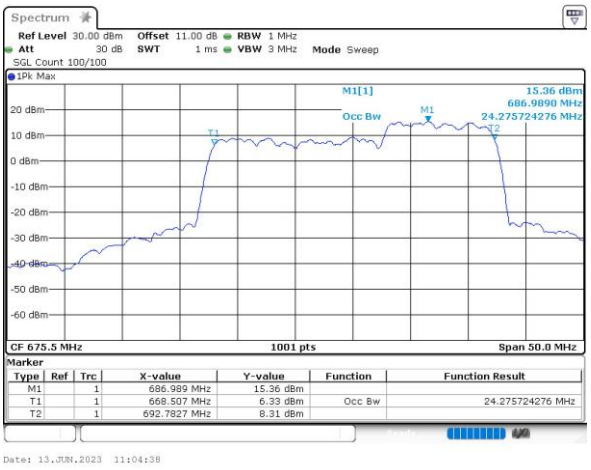
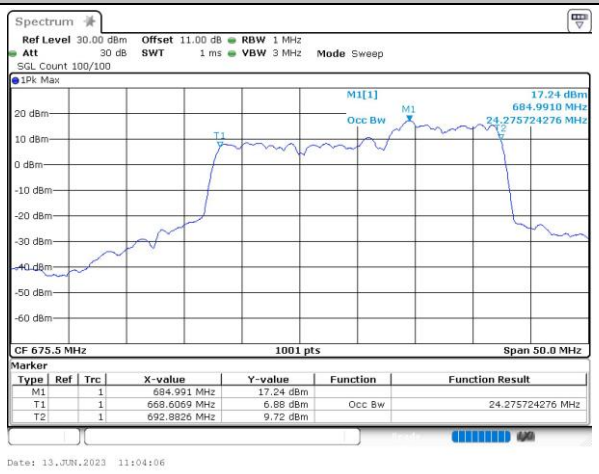
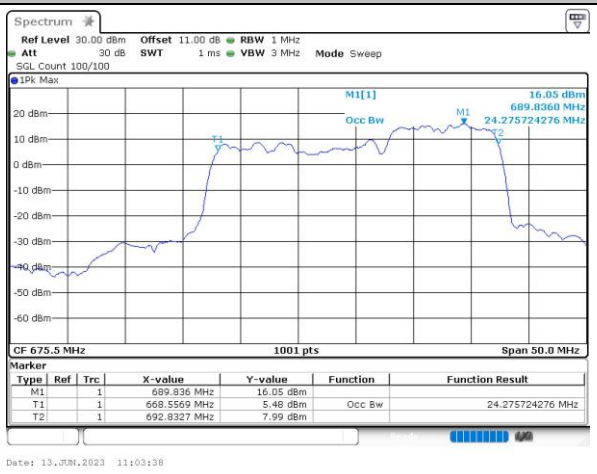


64QAM



256QAM

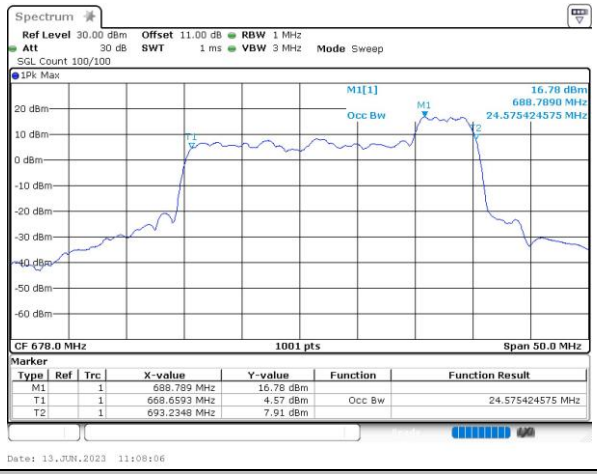


FR1 n71AA / 15M+10M / CP-OFDM	
Middle Channel	**Middle Channel**
QPSK	**16QAM**
	
64QAM	**256QAM**
	

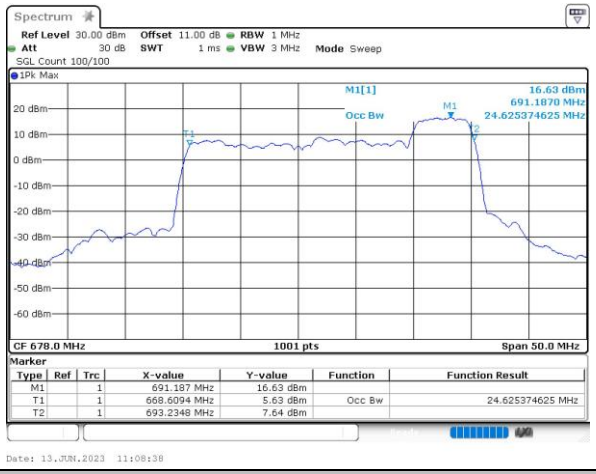
FR1 n71AA / 20M+5M / CP-OFDM

Middle Channel

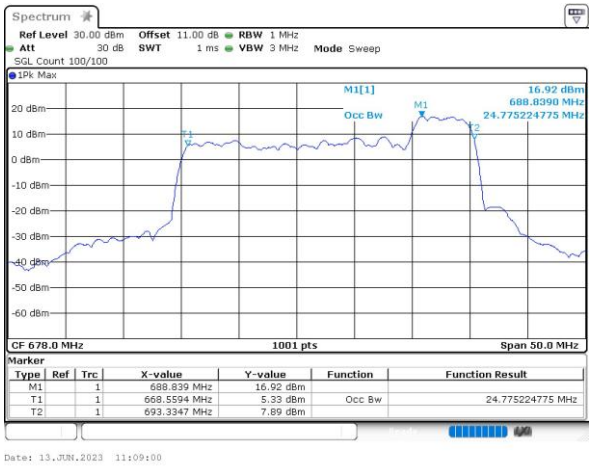
QPSK



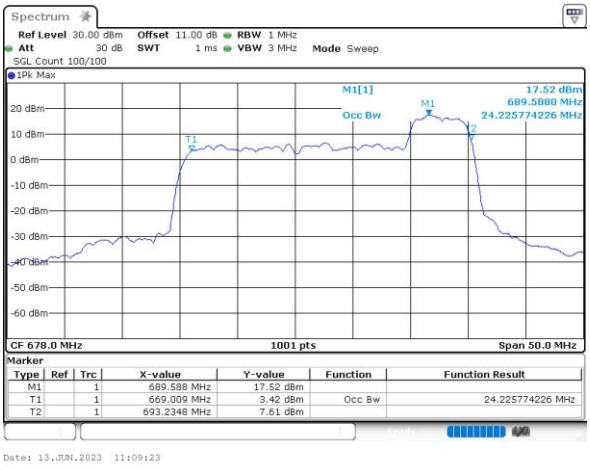
16QAM



64QAM



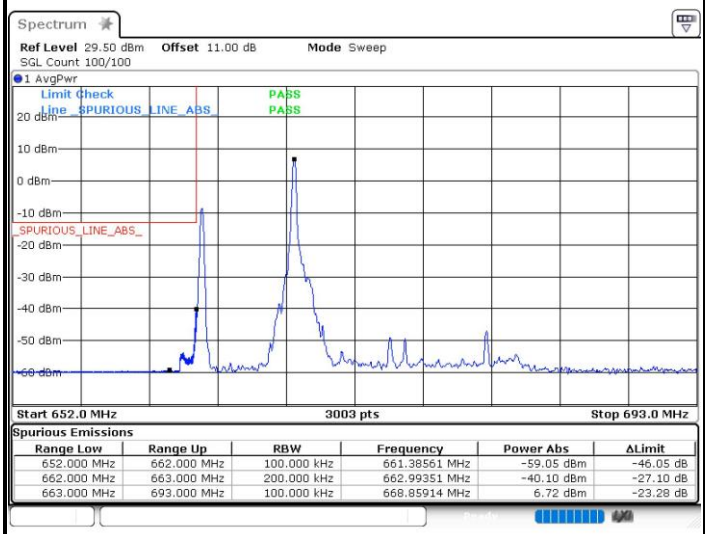
256QAM



Conducted Band Edge

FR1 n71AA / 5MHz(NR)+15MHz(LTE) / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

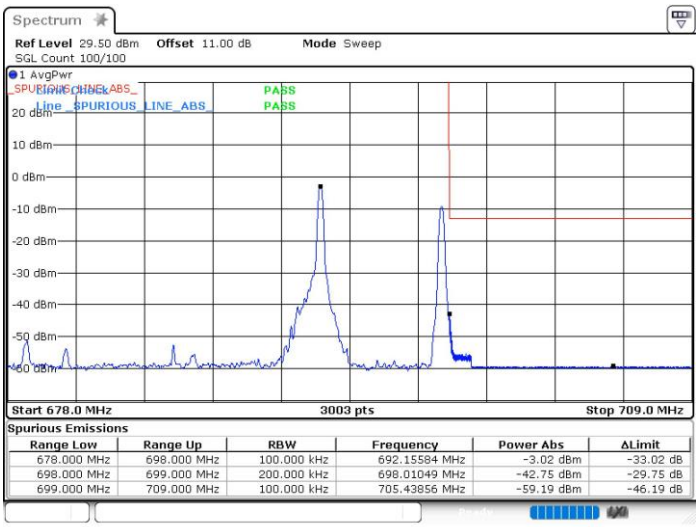


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.38561 MHz	-59.05 dBm	-46.05 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99351 MHz	-40.10 dBm	-27.10 dB
663.000 MHz	693.000 MHz	100.000 kHz	668.85914 MHz	6.72 dBm	-23.28 dB

Date: 13.JUN.2023 09:40:27

Highest Band Edge / 1 RB

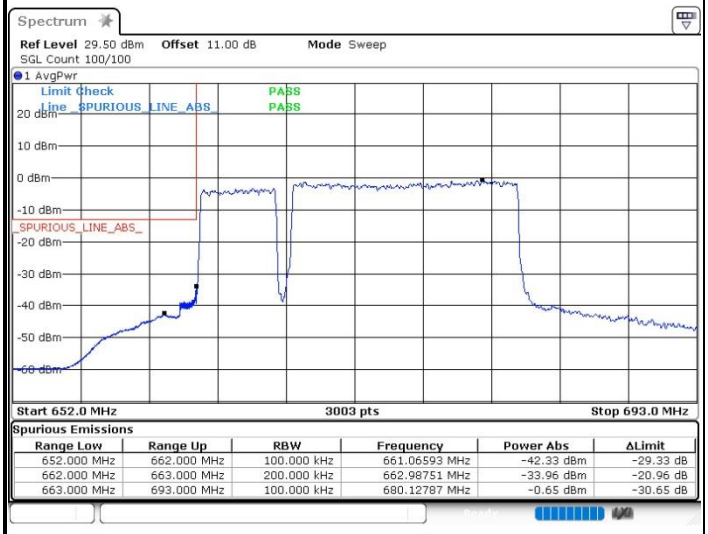


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	692.15584 MHz	-3.02 dBm	-33.02 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.01049 MHz	-42.75 dBm	-29.75 dB
699.000 MHz	709.000 MHz	100.000 kHz	705.43856 MHz	-59.19 dBm	-46.19 dB

Date: 13.JUN.2023 09:43:15

Lowest Band Edge / Full RB

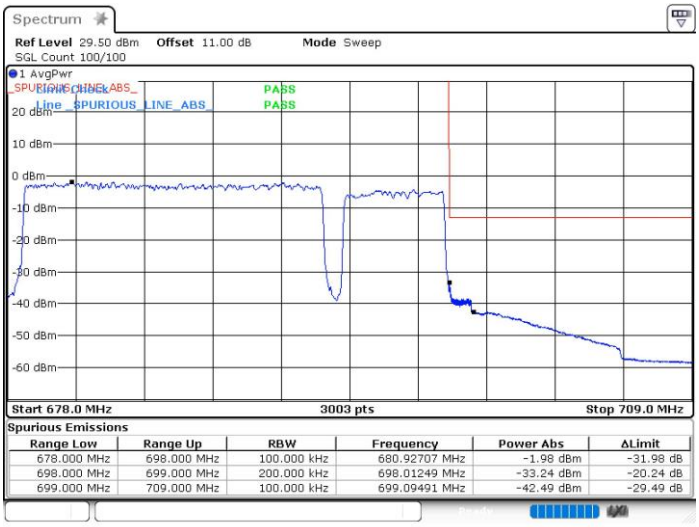


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.06593 MHz	-42.33 dBm	-29.33 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.98751 MHz	-33.96 dBm	-20.96 dB
663.000 MHz	693.000 MHz	100.000 kHz	680.12787 MHz	-0.65 dBm	-30.65 dB

Date: 13.JUN.2023 09:37:15

Highest Band Edge / Full RB



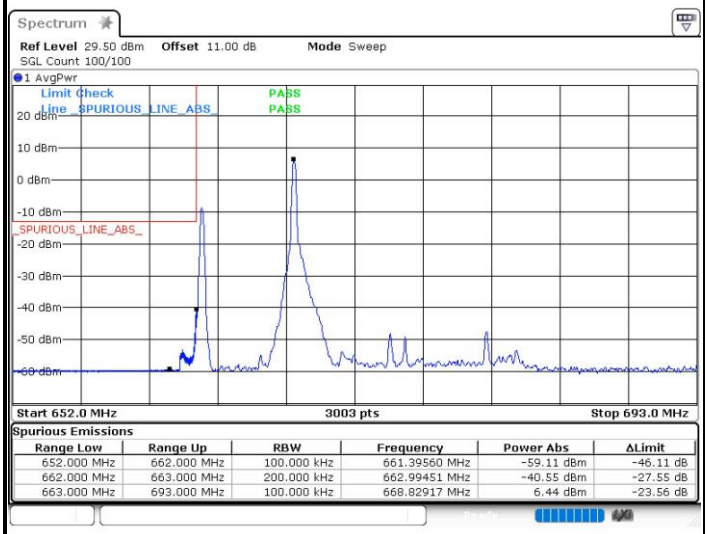
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	680.92707 MHz	-1.98 dBm	-31.98 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.01249 MHz	-33.24 dBm	-20.24 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.09491 MHz	-42.49 dBm	-29.49 dB

Date: 13.JUN.2023 09:47:02

FR1 n71AA / 5MHz(NR)+15MHz(LTE) / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

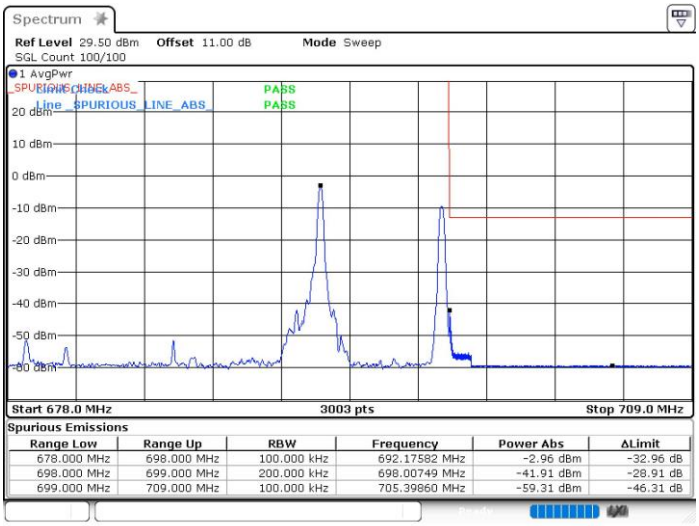


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.39560 MHz	-59.11 dBm	-46.11 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99451 MHz	-40.55 dBm	-27.55 dB
663.000 MHz	693.000 MHz	100.000 kHz	668.82917 MHz	6.44 dBm	-23.56 dB

Date: 13.JUN.2023 09:39:32

Highest Band Edge / 1 RB

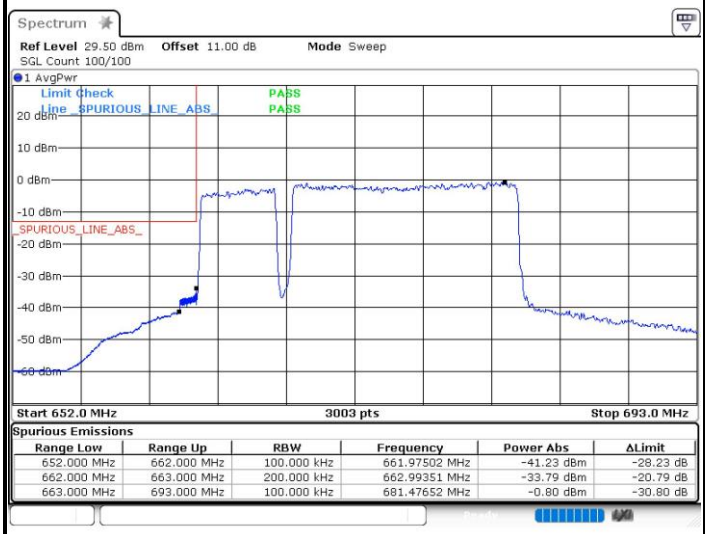


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	692.17582 MHz	-2.96 dBm	-32.96 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.00749 MHz	-41.91 dBm	-28.91 dB
699.000 MHz	709.000 MHz	100.000 kHz	705.39860 MHz	-59.31 dBm	-46.31 dB

Date: 13.JUN.2023 09:44:01

Lowest Band Edge / Full RB

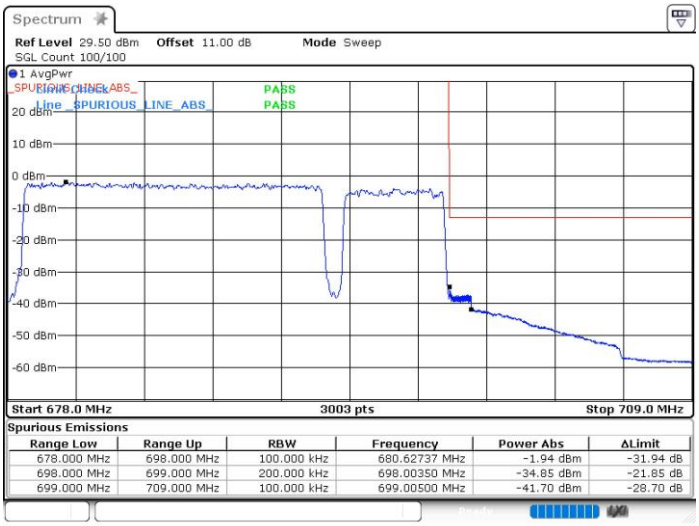


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.97502 MHz	-41.23 dBm	-28.23 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99351 MHz	-33.79 dBm	-20.79 dB
663.000 MHz	693.000 MHz	100.000 kHz	681.47652 MHz	-0.80 dBm	-30.80 dB

Date: 13.JUN.2023 09:37:56

Highest Band Edge / Full RB



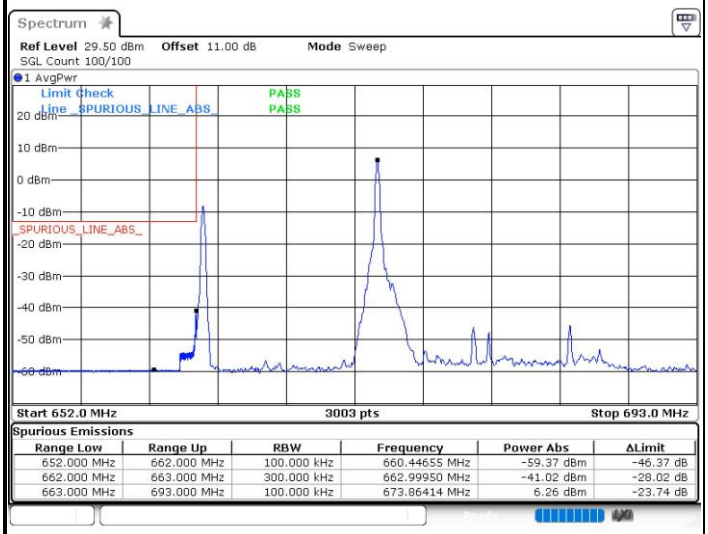
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	680.62737 MHz	-1.94 dBm	-31.94 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.00350 MHz	-34.85 dBm	-21.85 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.00500 MHz	-41.70 dBm	-28.70 dB

Date: 13.JUN.2023 09:46:18

FR1 n71AA / 10MHz(NR)+15MHz(LTE) / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

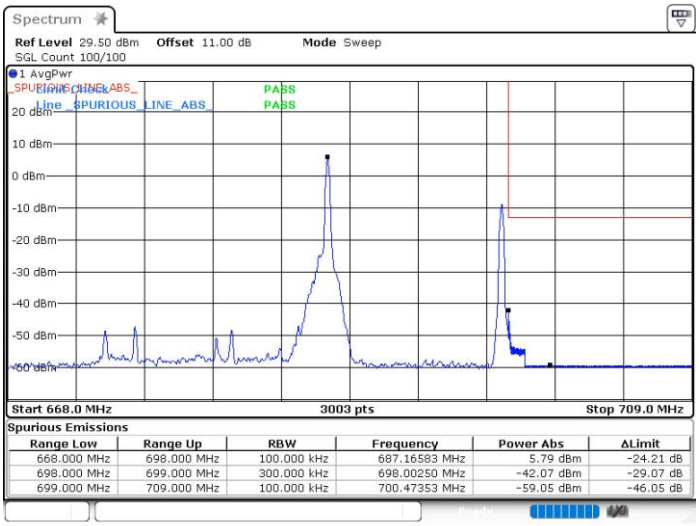


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	660.44655 MHz	-59.37 dBm	-46.37 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.99950 MHz	-41.02 dBm	-28.02 dB
663.000 MHz	693.000 MHz	100.000 kHz	673.86414 MHz	6.26 dBm	-23.74 dB

Date: 13.JUN.2023 09:55:08

Highest Band Edge / 1 RB

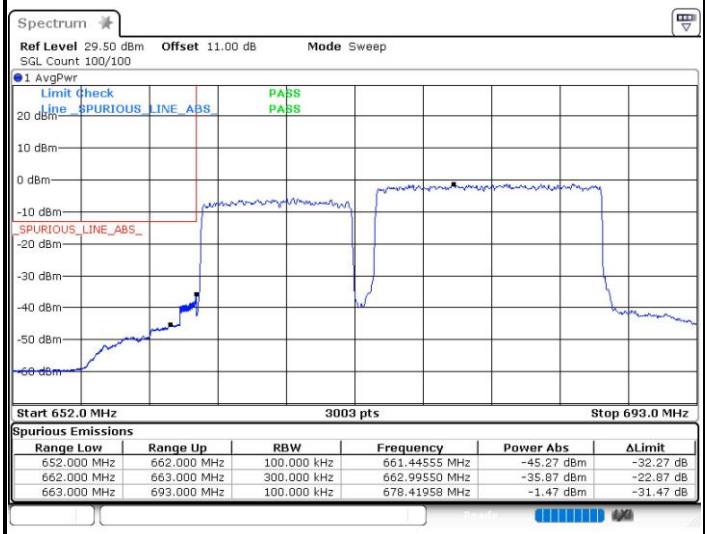


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	687.16583 MHz	5.79 dBm	-24.21 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.00250 MHz	-42.07 dBm	-29.07 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.47353 MHz	-59.05 dBm	-46.05 dB

Date: 13.JUN.2023 09:58:30

Lowest Band Edge / Full RB

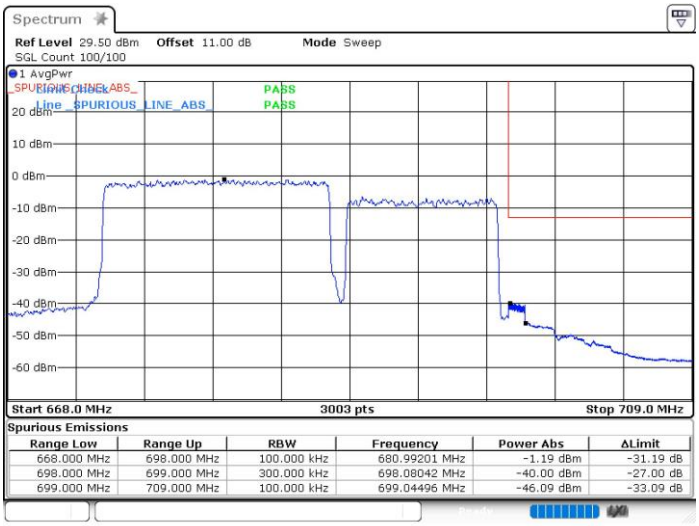


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.44555 MHz	-45.27 dBm	-32.27 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.99550 MHz	-35.87 dBm	-22.87 dB
663.000 MHz	693.000 MHz	100.000 kHz	678.41958 MHz	-1.47 dBm	-31.47 dB

Date: 13.JUN.2023 09:51:15

Highest Band Edge / Full RB



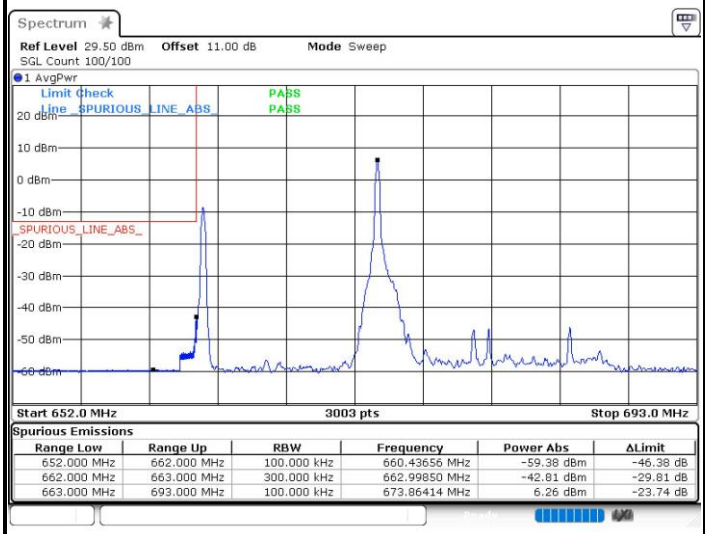
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	680.99201 MHz	-1.19 dBm	-31.19 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.08042 MHz	-40.00 dBm	-27.00 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.04496 MHz	-46.09 dBm	-33.09 dB

Date: 13.JUN.2023 10:01:45

FR1 n71AA / 10MHz(NR)+15MHz(LTE) / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

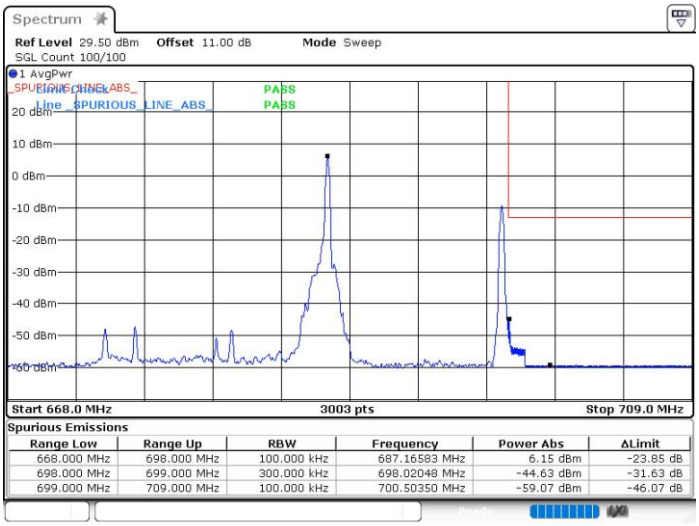


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	660.43656 MHz	-59.38 dBm	-46.38 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.99850 MHz	-42.81 dBm	-29.81 dB
663.000 MHz	693.000 MHz	100.000 kHz	673.86414 MHz	6.26 dBm	-23.74 dB

Date: 13.JUN.2023 09:54:20

Highest Band Edge / 1 RB

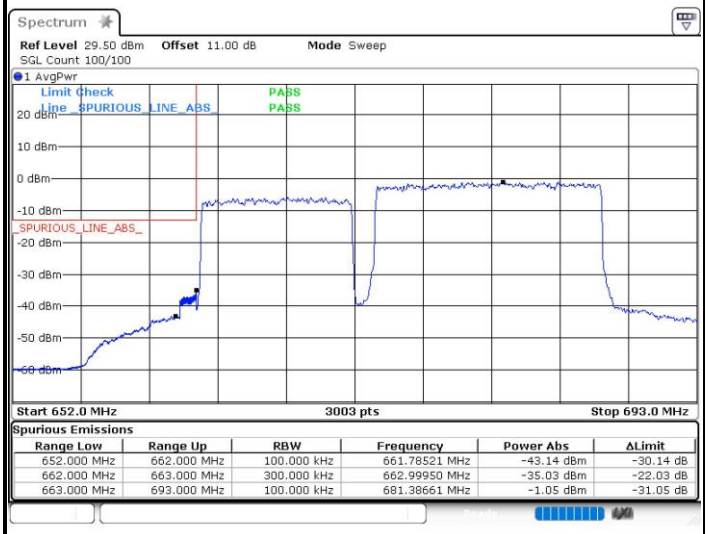


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	687.16583 MHz	6.15 dBm	-23.85 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.02048 MHz	-44.63 dBm	-31.63 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.50350 MHz	-59.07 dBm	-46.07 dB

Date: 13.JUN.2023 09:59:43

Lowest Band Edge / Full RB

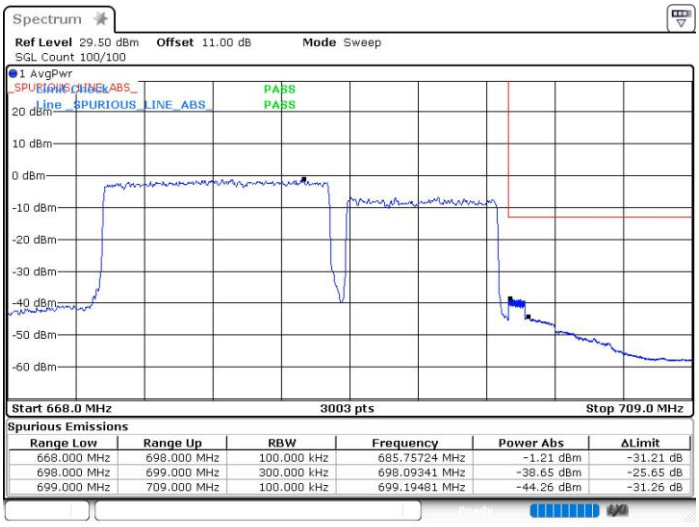


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.78521 MHz	-43.14 dBm	-30.14 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.99950 MHz	-35.03 dBm	-22.03 dB
663.000 MHz	693.000 MHz	100.000 kHz	681.38661 MHz	-1.05 dBm	-31.05 dB

Date: 13.JUN.2023 09:52:45

Highest Band Edge / Full RB



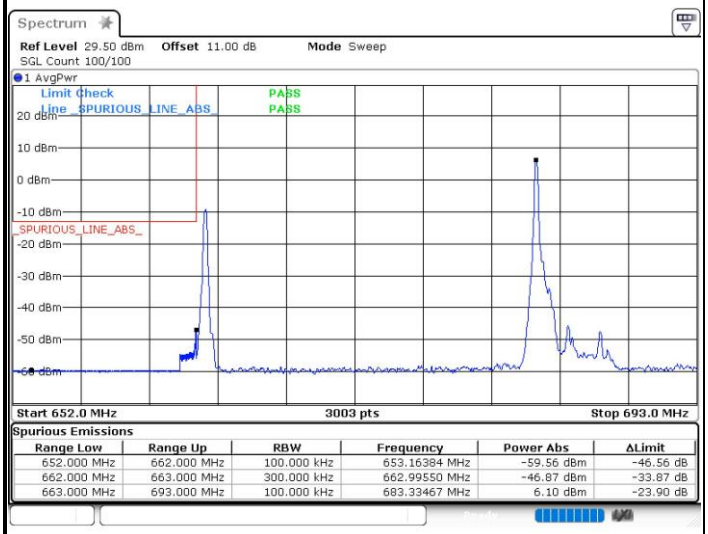
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	685.75724 MHz	-1.21 dBm	-31.21 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.09341 MHz	-38.65 dBm	-25.65 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.19481 MHz	-44.26 dBm	-31.26 dB

Date: 13.JUN.2023 10:01:05

FR1 n71AA / 20MHz(NR)+5MHz(LTE) / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

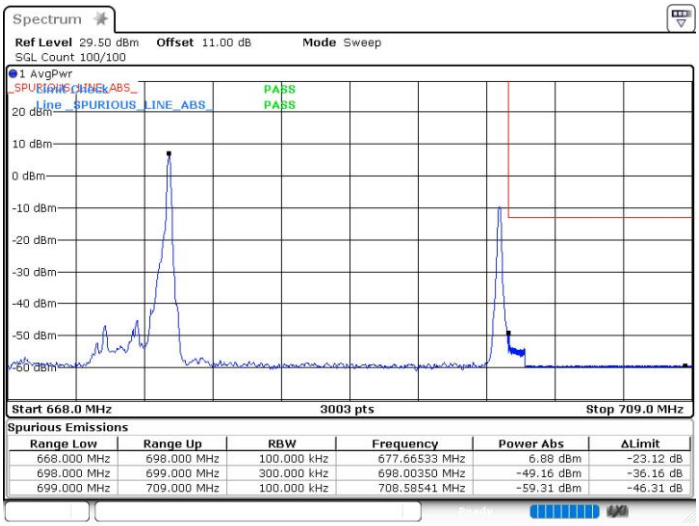


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	653.16384 MHz	-59.56 dBm	-46.56 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.99550 MHz	-46.87 dBm	-33.87 dB
663.000 MHz	693.000 MHz	100.000 kHz	683.33467 MHz	6.10 dBm	-23.90 dB

Date: 13.JUN.2023 10:11:51

Highest Band Edge / 1 RB

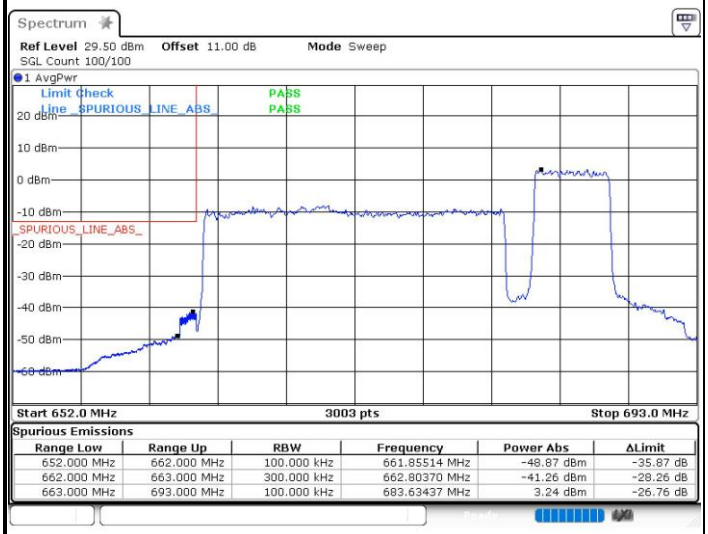


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	677.66533 MHz	6.88 dBm	-23.12 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.00350 MHz	-49.16 dBm	-36.16 dB
699.000 MHz	709.000 MHz	100.000 kHz	708.58541 MHz	-59.31 dBm	-46.31 dB

Date: 13.JUN.2023 10:08:36

Lowest Band Edge / Full RB

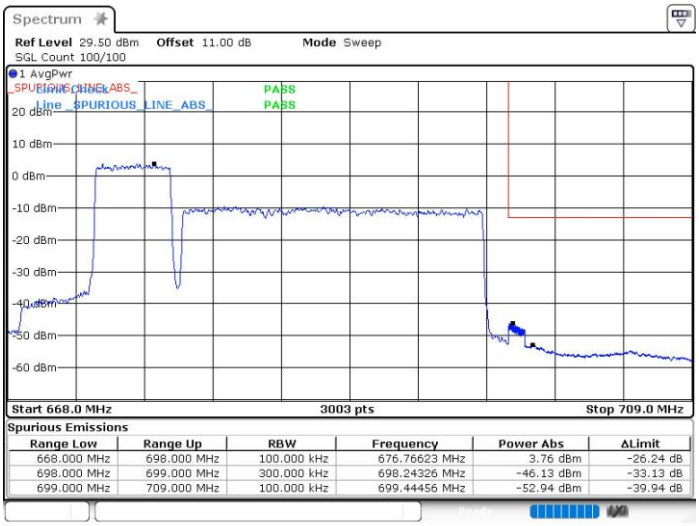


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.85514 MHz	-48.87 dBm	-35.87 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.80370 MHz	-41.26 dBm	-28.26 dB
663.000 MHz	693.000 MHz	100.000 kHz	683.63437 MHz	3.24 dBm	-26.76 dB

Date: 13.JUN.2023 10:15:36

Highest Band Edge / Full RB



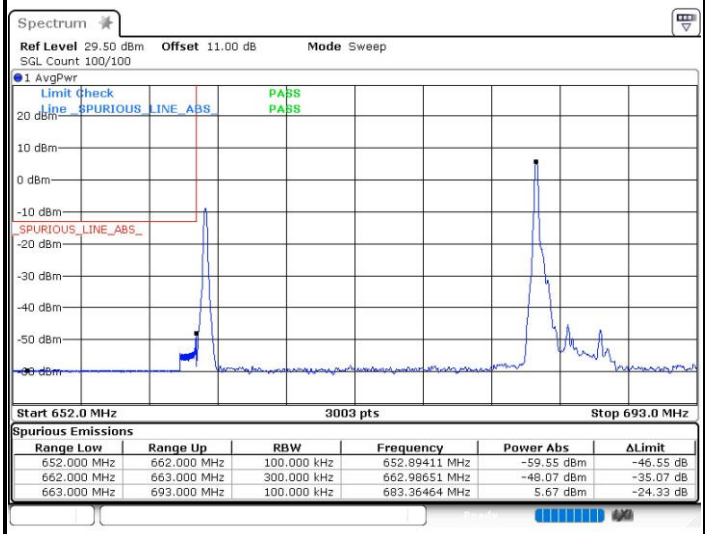
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	676.76623 MHz	3.76 dBm	-26.24 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.24326 MHz	-46.13 dBm	-33.13 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.44456 MHz	-52.94 dBm	-39.94 dB

Date: 13.JUN.2023 10:05:31

FR1 n71AA / 20MHz(NR)+5MHz(LTE) / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

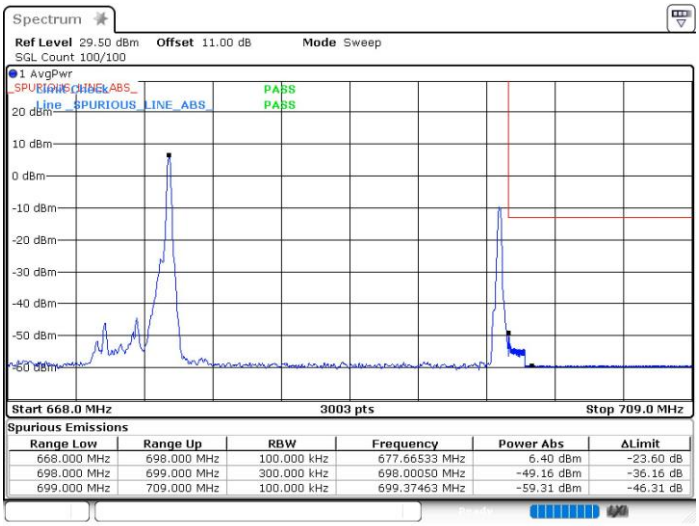


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	652.89411 MHz	-59.55 dBm	-46.55 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.98651 MHz	-48.07 dBm	-35.07 dB
663.000 MHz	693.000 MHz	100.000 kHz	683.36464 MHz	5.67 dBm	-24.33 dB

Date: 13.JUN.2023 10:12:51

Highest Band Edge / 1 RB

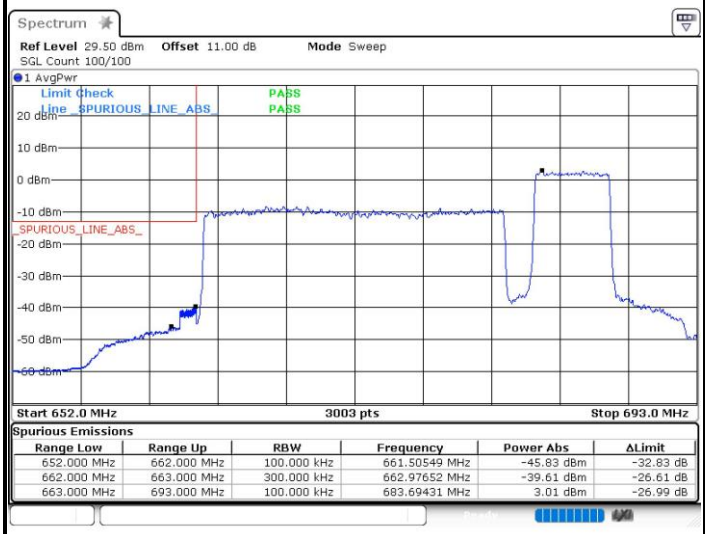


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	677.66533 MHz	6.40 dBm	-23.60 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.00050 MHz	-49.16 dBm	-36.16 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.37463 MHz	-59.31 dBm	-46.31 dB

Date: 13.JUN.2023 10:07:50

Lowest Band Edge / Full RB

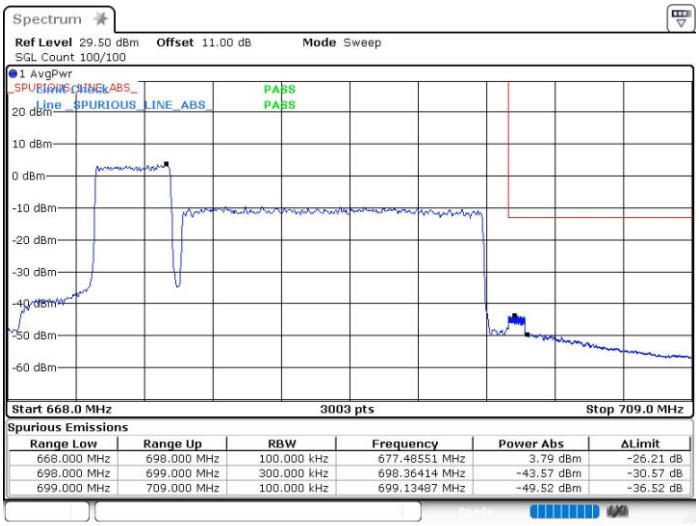


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.50549 MHz	-45.83 dBm	-32.83 dB
662.000 MHz	663.000 MHz	300.000 kHz	662.97652 MHz	-39.61 dBm	-26.61 dB
663.000 MHz	693.000 MHz	100.000 kHz	683.69431 MHz	3.01 dBm	-26.99 dB

Date: 13.JUN.2023 10:14:25

Highest Band Edge / Full RB



Spurious Emissions

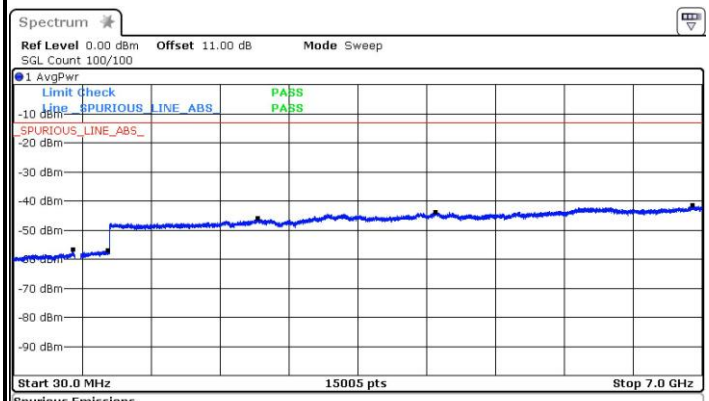
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
668.000 MHz	698.000 MHz	100.000 kHz	677.48551 MHz	3.79 dBm	-26.21 dB
698.000 MHz	699.000 MHz	300.000 kHz	698.36414 MHz	-43.57 dBm	-30.57 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.13487 MHz	-49.52 dBm	-36.52 dB

Date: 13.JUN.2023 10:06:33

Conducted Spurious Emission

FR1 n71AA / 5MHz+15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

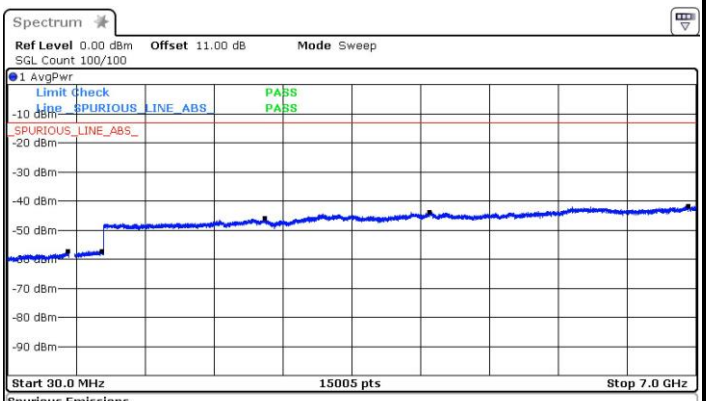


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	626.66617 MHz	-56.83 dBm	-43.83 dB
709.000 MHz	1.000 GHz	100.000 kHz	986.19131 MHz	-57.15 dBm	-44.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49938 GHz	-46.00 dBm	-33.00 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30242 GHz	-43.94 dBm	-30.94 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.90227 GHz	-41.59 dBm	-28.59 dB

Date: 13.JUN.2023 10:33:15

Middle Channel / 1RB

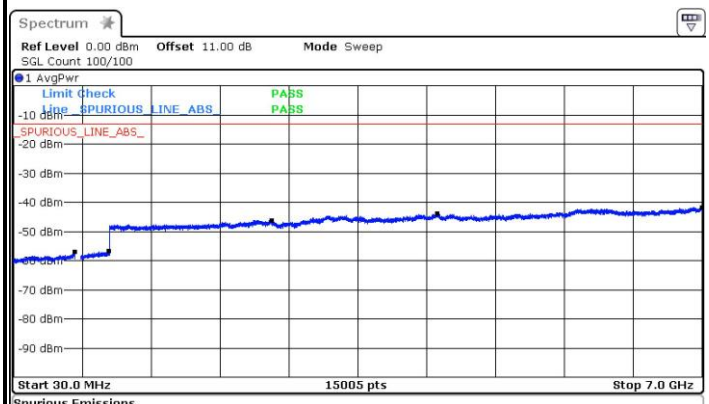


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	640.03248 MHz	-57.35 dBm	-44.35 dB
709.000 MHz	1.000 GHz	100.000 kHz	979.79570 MHz	-57.28 dBm	-44.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63684 GHz	-45.94 dBm	-32.94 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.29693 GHz	-43.89 dBm	-30.89 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92127 GHz	-41.70 dBm	-28.70 dB

Date: 13.JUN.2023 10:36:03

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	643.76262 MHz	-57.10 dBm	-44.10 dB
709.000 MHz	1.000 GHz	100.000 kHz	993.74975 MHz	-56.81 dBm	-43.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63934 GHz	-46.14 dBm	-33.14 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.31492 GHz	-43.92 dBm	-30.92 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-41.69 dBm	-28.69 dB

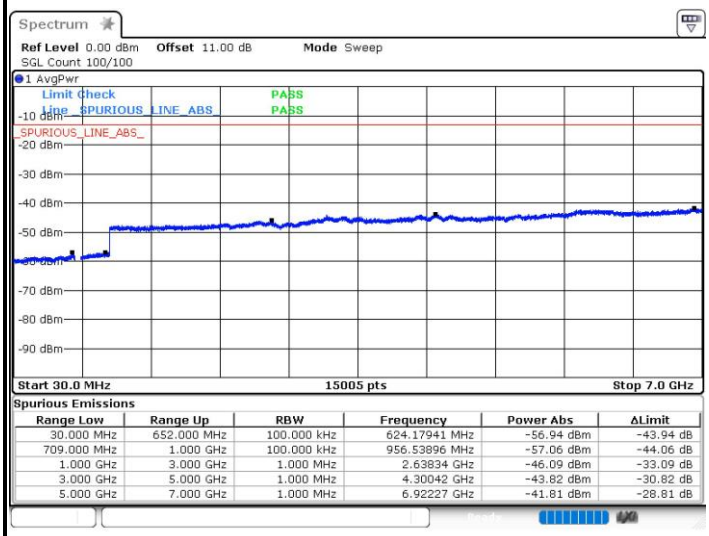
Date: 13.JUN.2023 10:39:49

NA

NA

FR1 n71AA / 5MHz+15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

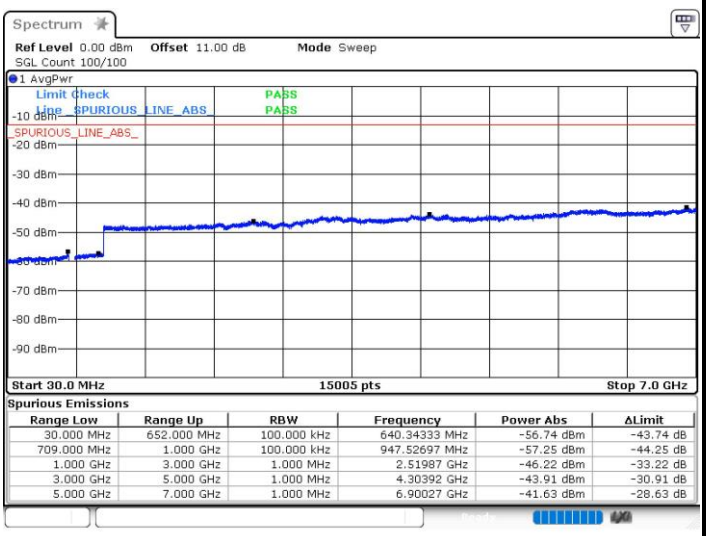


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	624.17941 MHz	-56.94 dBm	-43.94 dB
709.000 MHz	1.000 GHz	100.000 kHz	956.53896 MHz	-57.06 dBm	-44.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63834 GHz	-46.09 dBm	-33.09 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30042 GHz	-43.82 dBm	-30.82 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92227 GHz	-41.81 dBm	-28.81 dB

Date: 13.JUN.2023 10:33:41

Middle Channel / 1RB

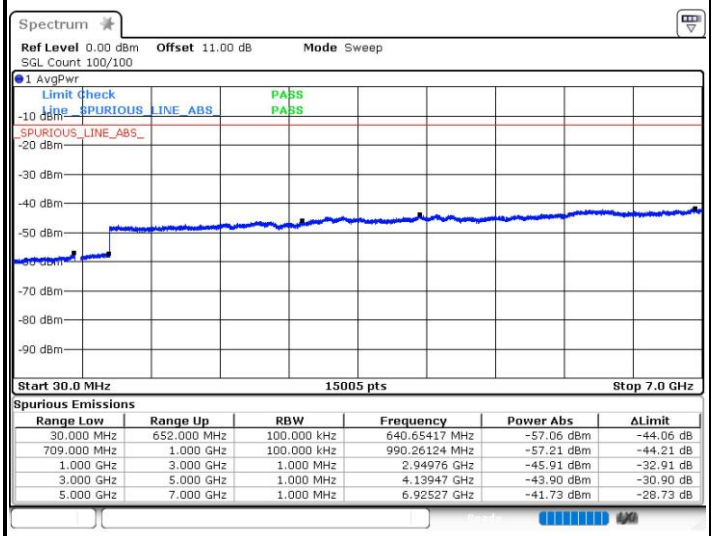


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	640.34333 MHz	-56.74 dBm	-43.74 dB
709.000 MHz	1.000 GHz	100.000 kHz	947.52697 MHz	-57.25 dBm	-44.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51987 GHz	-46.22 dBm	-33.22 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30392 GHz	-43.91 dBm	-30.91 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.90027 GHz	-41.63 dBm	-28.63 dB

Date: 13.JUN.2023 10:35:12

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	640.65417 MHz	-57.06 dBm	-44.06 dB
709.000 MHz	1.000 GHz	100.000 kHz	990.26124 MHz	-57.21 dBm	-44.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94976 GHz	-45.91 dBm	-32.91 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.13947 GHz	-43.90 dBm	-30.90 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92527 GHz	-41.73 dBm	-28.73 dB

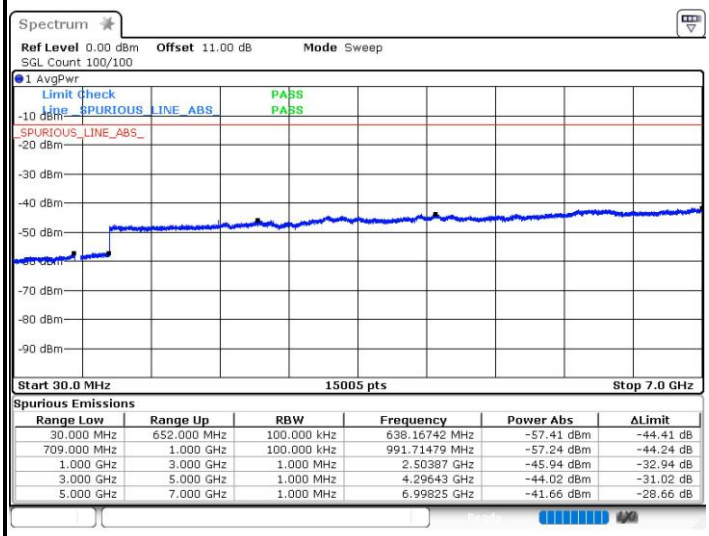
Date: 13.JUN.2023 10:40:34

NA

NA

FR1 n71AA / 10MHz+15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

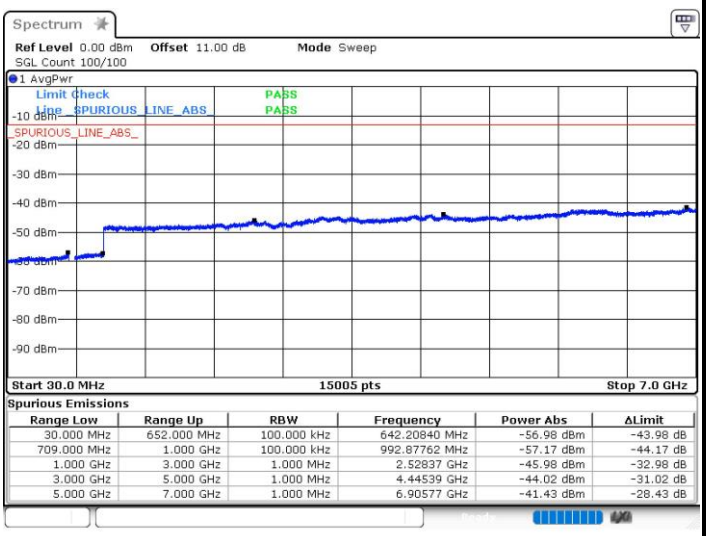


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	638.16742 MHz	-57.41 dBm	-44.41 dB
709.000 MHz	1.000 GHz	100.000 kHz	991.71479 MHz	-57.24 dBm	-44.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50387 GHz	-45.94 dBm	-32.94 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.29643 GHz	-44.02 dBm	-31.02 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-41.66 dBm	-28.66 dB

Date: 13.JUN.2023 10:29:53

Middle Channel / 1RB

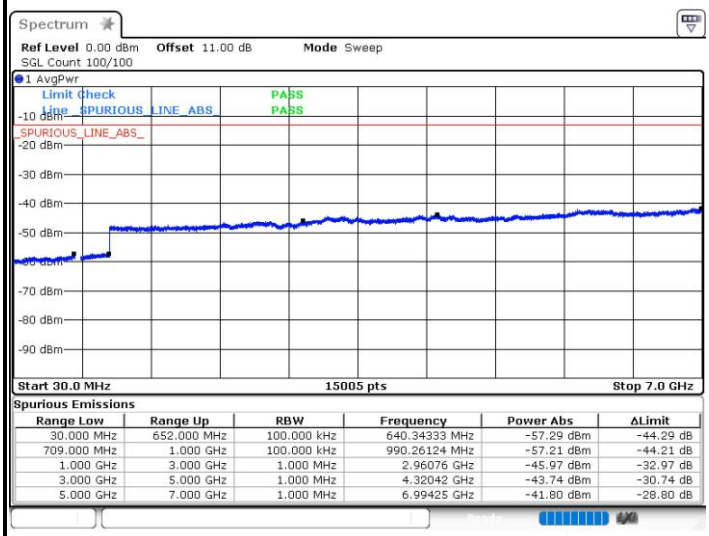


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	642.20840 MHz	-56.98 dBm	-43.98 dB
709.000 MHz	1.000 GHz	100.000 kHz	992.87762 MHz	-57.17 dBm	-44.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52837 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.44539 GHz	-44.02 dBm	-31.02 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.90577 GHz	-41.43 dBm	-28.43 dB

Date: 13.JUN.2023 10:27:57

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	640.34333 MHz	-57.29 dBm	-44.29 dB
709.000 MHz	1.000 GHz	100.000 kHz	990.26124 MHz	-57.21 dBm	-44.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96076 GHz	-45.97 dBm	-32.97 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32042 GHz	-43.74 dBm	-30.74 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-41.80 dBm	-28.80 dB

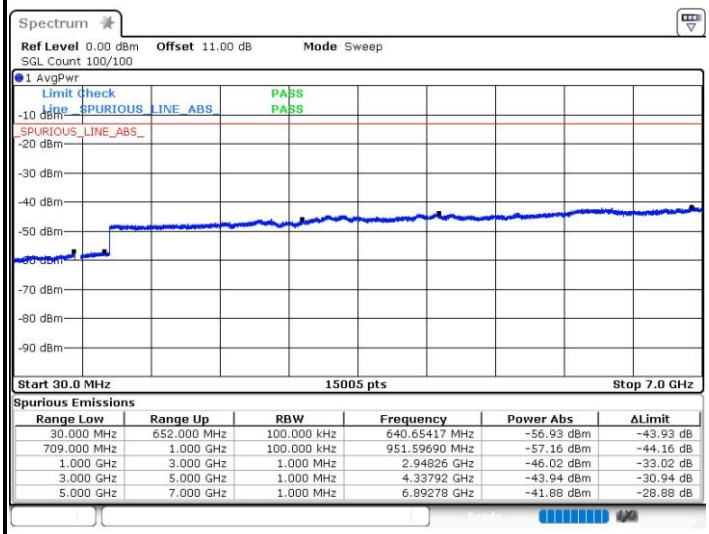
Date: 13.JUN.2023 10:25:36

NA

NA

FR1 n71AA / 10MHz+15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

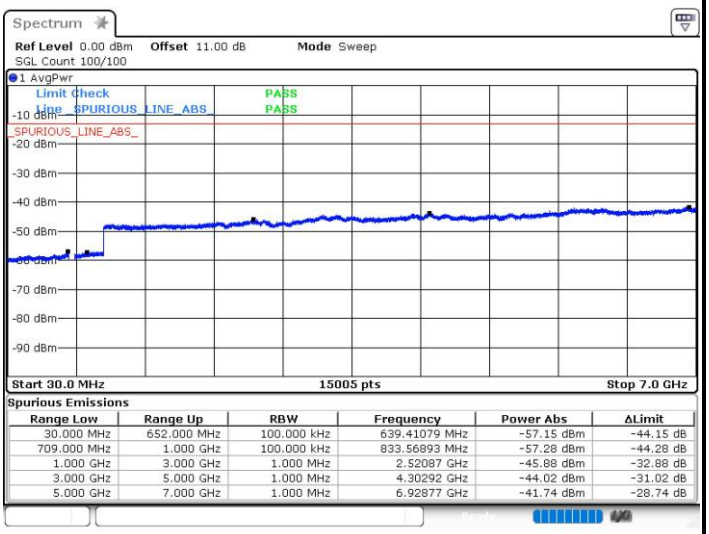


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	640.65417 MHz	-56.93 dBm	-43.93 dB
709.000 MHz	1.000 GHz	100.000 kHz	951.59690 MHz	-57.16 dBm	-44.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94826 GHz	-46.02 dBm	-33.02 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.33792 GHz	-43.94 dBm	-30.94 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.89278 GHz	-41.88 dBm	-28.88 dB

Date: 13.JUN.2023 10:29:29

Middle Channel / 1RB

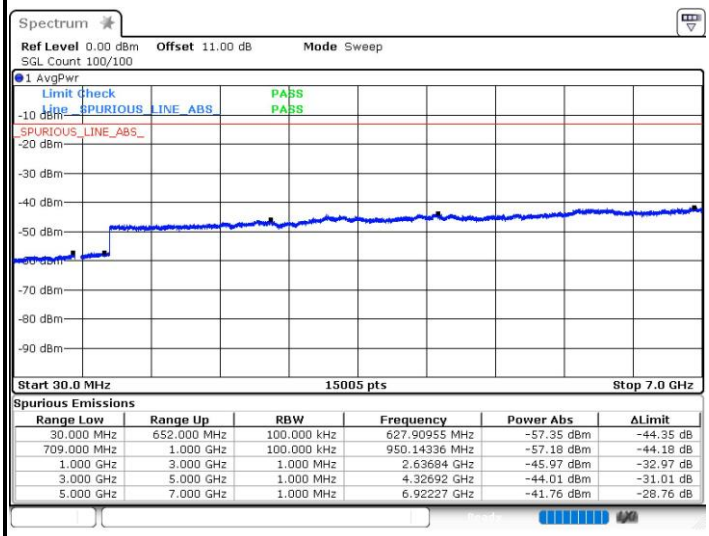


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	639.41079 MHz	-57.15 dBm	-44.15 dB
709.000 MHz	1.000 GHz	100.000 kHz	833.56893 MHz	-57.28 dBm	-44.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52087 GHz	-45.88 dBm	-32.88 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30292 GHz	-44.02 dBm	-31.02 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92877 GHz	-41.74 dBm	-28.74 dB

Date: 13.JUN.2023 10:28:19

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	627.90955 MHz	-57.35 dBm	-44.35 dB
709.000 MHz	1.000 GHz	100.000 kHz	950.14336 MHz	-57.18 dBm	-44.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63684 GHz	-45.97 dBm	-32.97 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32692 GHz	-44.01 dBm	-31.01 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92227 GHz	-41.76 dBm	-28.76 dB

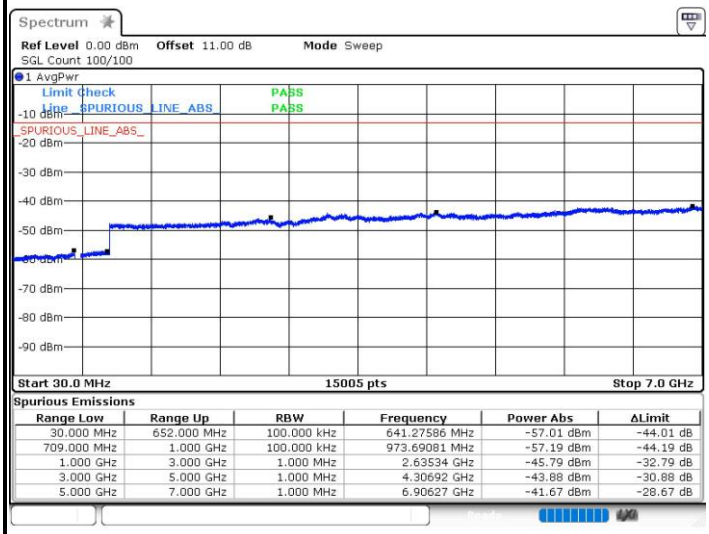
Date: 13.JUN.2023 10:25:10

NA

NA

FR1 n71AA / 20MHz+5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

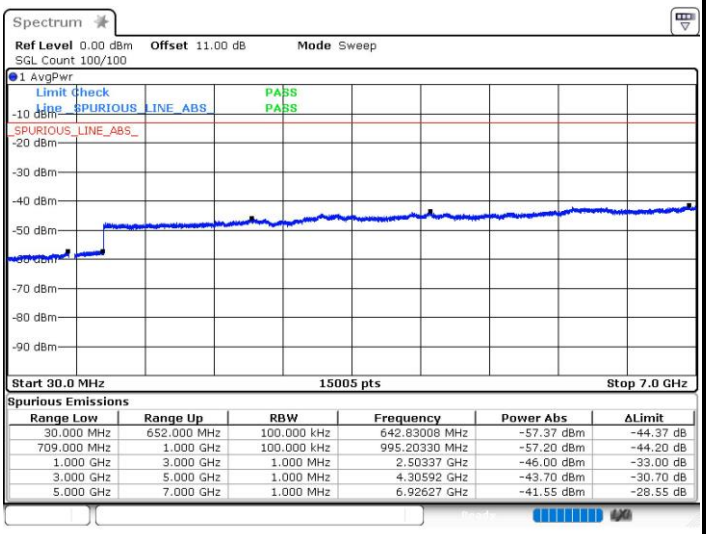


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	641.27586 MHz	-57.01 dBm	-44.01 dB
709.000 MHz	1.000 GHz	100.000 kHz	973.69081 MHz	-57.19 dBm	-44.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63534 GHz	-45.79 dBm	-32.79 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30692 GHz	-43.88 dBm	-30.88 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.90627 GHz	-41.67 dBm	-28.67 dB

Date: 13.JUN.2023 10:17:45

Middle Channel / 1RB

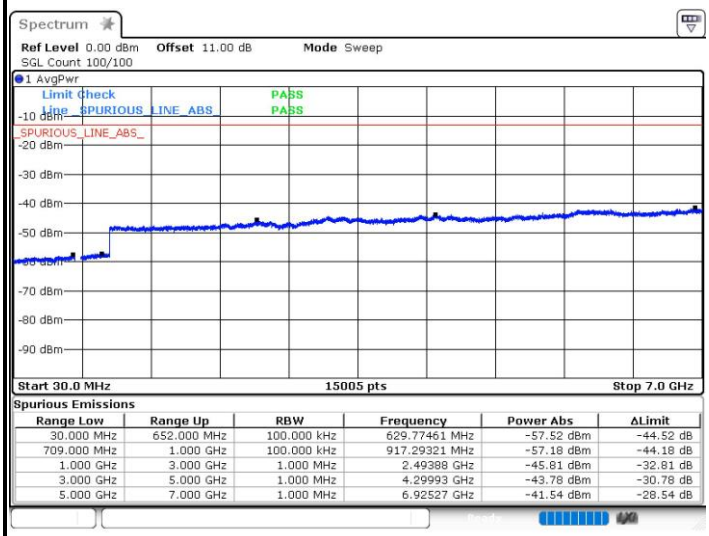


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	642.83008 MHz	-57.37 dBm	-44.37 dB
709.000 MHz	1.000 GHz	100.000 kHz	995.20330 MHz	-57.20 dBm	-44.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50337 GHz	-46.00 dBm	-33.00 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30592 GHz	-43.70 dBm	-30.70 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92627 GHz	-41.55 dBm	-28.55 dB

Date: 13.JUN.2023 10:19:54

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	629.77461 MHz	-57.52 dBm	-44.52 dB
709.000 MHz	1.000 GHz	100.000 kHz	917.29321 MHz	-57.18 dBm	-44.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49388 GHz	-45.81 dBm	-32.81 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.29993 GHz	-43.78 dBm	-30.78 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.92527 GHz	-41.54 dBm	-28.54 dB

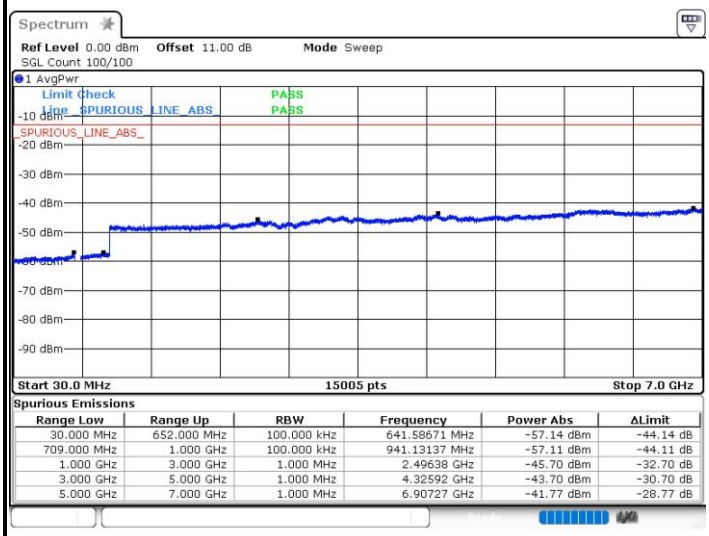
Date: 13.JUN.2023 10:21:28

NA

NA

FR1 n71AA / 20MHz+5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

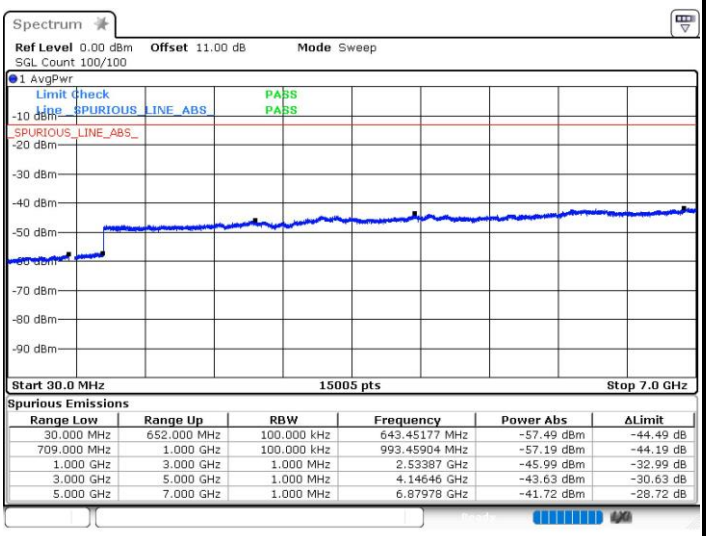


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	641.58671 MHz	-57.14 dBm	-44.14 dB
709.000 MHz	1.000 GHz	100.000 kHz	941.13137 MHz	-57.11 dBm	-44.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49638 GHz	-45.70 dBm	-32.70 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32592 GHz	-43.70 dBm	-30.70 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.90727 GHz	-41.77 dBm	-28.77 dB

Date: 13.JUN.2023 10:18:16

Middle Channel / 1RB

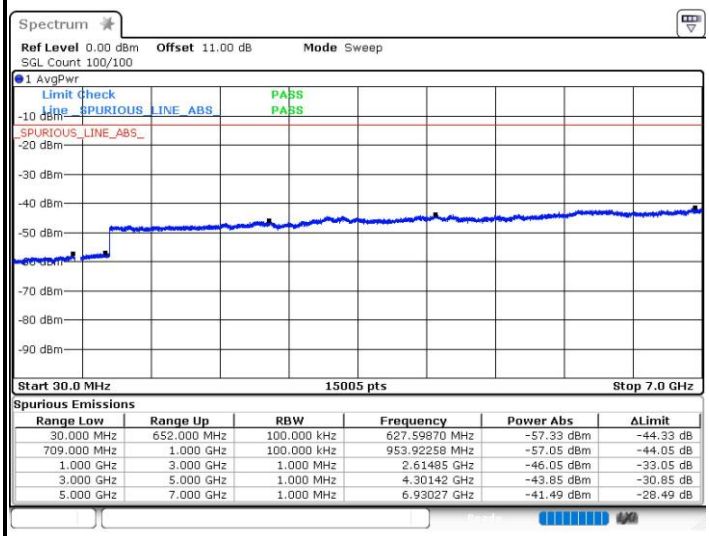


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	643.45177 MHz	-57.49 dBm	-44.49 dB
709.000 MHz	1.000 GHz	100.000 kHz	993.45904 MHz	-57.19 dBm	-44.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.53387 GHz	-45.99 dBm	-32.99 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.14646 GHz	-43.63 dBm	-30.63 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.87978 GHz	-41.72 dBm	-28.72 dB

Date: 13.JUN.2023 10:19:32

Highest Channel / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	627.59870 MHz	-57.33 dBm	-44.33 dB
709.000 MHz	1.000 GHz	100.000 kHz	953.92258 MHz	-57.05 dBm	-44.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.61485 GHz	-46.05 dBm	-33.05 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30142 GHz	-43.85 dBm	-30.85 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.93027 GHz	-41.49 dBm	-28.49 dB

Date: 13.JUN.2023 10:22:10

NA

NA

Frequency Stability

Test Conditions		NR n71AA (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz+15MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0047	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0053	
20(Ref.)	Normal Voltage	0.0059	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0063	
20	Normal Voltage	0.0048	
20	Battery End Point	0.0057	

Note:

1. Normal Voltage =54 V. ; Battery End Point (BEP) =57 V. ; Maximum Voltage =48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carl Ni	Temperature :	23~25℃
		Relative Humidity :	41~42%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n25 / NR 45MHz / QPSK / ANT0(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3726	-56.55	-13	-43.55	-68.81	2.64	14.90	H
	5586	-35.35	-13	-22.35	-47.21	2.94	14.80	H
	7449	-42.30	-13	-29.30	-52.07	3.39	13.16	H
	3726	-57.29	-13	-44.29	-69.55	2.64	14.90	V
	5586	-43.82	-13	-30.82	-55.68	2.94	14.80	V
	7449	-43.78	-13	-30.78	-53.55	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_12A_n25A / LTE 10MHz + NR 45MHz / QPSK / ANT4(LTE) & ANT1(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3720	-50.46	-13	-37.46	-62.72	2.64	14.90	H
	5580	-41.02	-13	-28.02	-52.88	2.94	14.80	H
	7440	-38.22	-13	-25.22	-47.99	3.39	13.16	H
	3720	-51.88	-13	-38.88	-64.14	2.64	14.90	V
	5580	-48.74	-13	-35.74	-60.60	2.94	14.80	V
	7440	-48.13	-13	-35.13	-57.90	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n26 / NR 20MHz / QPSK / ANT4(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1655	-32.21	-13	-19.21	-39.18	1.58	10.70	H
	2482	-53.65	-13	-40.65	-61.90	2.102	12.50	H
	3310	-61.12	-13	-48.12	-70.01	2.856	13.90	H
	1655	-37.29	-13	-24.29	-44.26	1.58	10.70	V
	2482	-54.34	-13	-41.34	-62.59	2.10	12.50	V
	3310	-61.34	-13	-48.34	-70.23	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_2A_n5A / LTE 10MHz + NR 25MHz / QPSK / ANT0(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1648	-50.06	-13	-37.06	-57.03	1.58	10.70	H
	2472	-47.69	-13	-34.69	-55.94	2.102	12.50	H
	3304	-55.44	-13	-42.44	-64.33	2.856	13.90	H
	1648	-55.60	-13	-42.60	-62.57	1.58	10.70	V
	2472	-47.71	-13	-34.71	-55.96	2.10	12.50	V
	3304	-57.53	-13	-44.53	-66.42	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n71 / NR 20MHz / QPSK / ANT4(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-68.17	-13	-55.17	-69.92	1.02	4.92	H
	2016	-62.84	-13	-49.84	-64.81	1.27	5.39	H
	2688	-60.64	-13	-47.64	-63.57	1.49	6.57	H
	1344	-67.40	-13	-54.40	-69.15	1.02	4.92	V
	2016	-62.01	-13	-49.01	-63.98	1.27	5.39	V
	2688	-59.94	-13	-46.94	-62.87	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_48A_n71A / LTE 10MHz + NR 20MHz / QPSK / ANT1(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-64.34	-13	-51.34	-66.09	1.02	4.92	H
	2016	-61.97	-13	-48.97	-63.94	1.27	5.39	H
	2688	-55.41	-13	-42.41	-58.34	1.49	6.57	H
	1344	-63.82	-13	-50.82	-65.57	1.02	4.92	V
	2014.77	-61.56	-13	-48.56	-63.53	1.27	5.39	V
	2688	-54.45	-13	-41.45	-57.38	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_71A_n71A / LTE 10MHz + NR 20MHz / QPSK / ANT4(LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-49.80	-13	-36.80	-51.55	1.02	4.92	H
	2016	-54.05	-13	-41.05	-56.02	1.27	5.39	H
	2688	-54.66	-13	-41.66	-57.59	1.49	6.57	H
	3352	-55.20	-13	-42.20	-58.60	1.73	7.28	H
	1344	-48.16	-13	-35.16	-49.91	1.02	4.92	V
	2016	-52.34	-13	-39.34	-54.31	1.27	5.39	V
	2688	-58.42	-13	-45.42	-61.35	1.49	6.57	V
	3352	-51.52	-13	-38.52	-54.92	1.73	7.28	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.