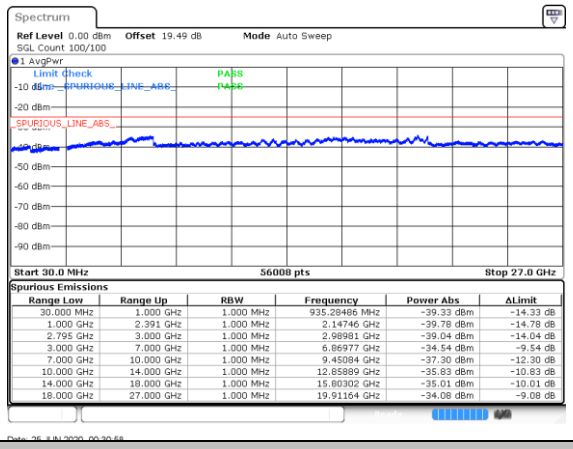
N41 90MHz

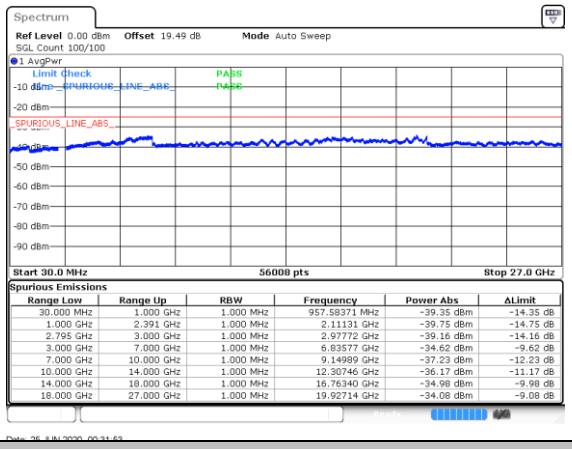
Lowest Channel / BPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-39.33 dBm	-14.33 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.14746 GHz	-39.78 dBm	-14.78 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98981 GHz	-39.04 dBm	-14.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86977 GHz	-34.54 dBm	-9.54 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.45084 GHz	-37.30 dBm	-12.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.85889 GHz	-35.83 dBm	-10.83 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.80302 GHz	-35.01 dBm	-10.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91164 GHz	-34.08 dBm	-9.08 dB

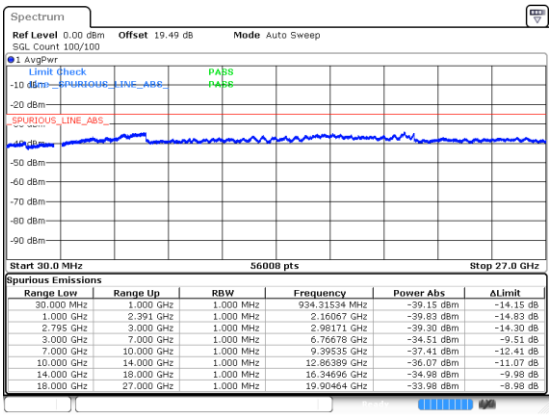
Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.58371 MHz	-39.35 dBm	-14.35 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.11131 GHz	-39.75 dBm	-14.75 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97772 GHz	-39.16 dBm	-14.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83577 GHz	-34.62 dBm	-9.62 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.14989 GHz	-37.23 dBm	-12.23 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.30746 GHz	-36.17 dBm	-11.17 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.76340 GHz	-34.98 dBm	-9.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92714 GHz	-34.08 dBm	-9.08 dB

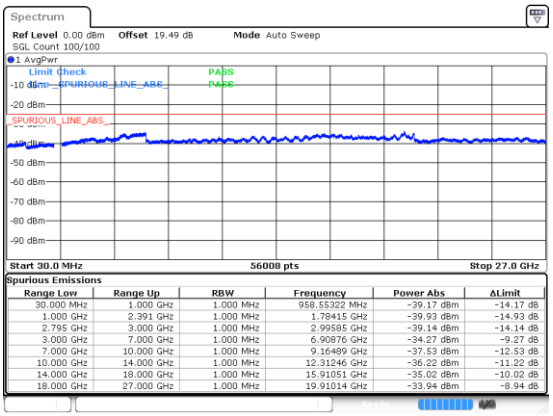
Middle Channel / BPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-39.15 dBm	-14.15 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.16067 GHz	-39.83 dBm	-14.83 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98171 GHz	-39.30 dBm	-14.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76678 GHz	-34.51 dBm	-9.51 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.39535 GHz	-37.41 dBm	-12.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.86389 GHz	-36.07 dBm	-11.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34696 GHz	-34.98 dBm	-9.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90464 GHz	-33.98 dBm	-8.98 dB

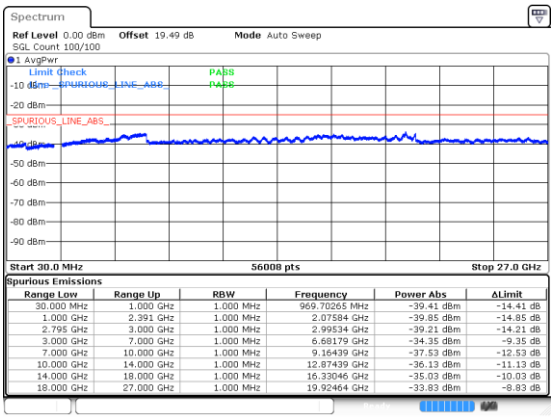
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-39.17 dBm	-14.17 dB
1.000 GHz	2.391 GHz	1.000 MHz	1.78415 GHz	-39.93 dBm	-14.93 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99585 GHz	-39.14 dBm	-14.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90876 GHz	-34.27 dBm	-9.27 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16489 GHz	-37.53 dBm	-12.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.31246 GHz	-36.22 dBm	-11.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.91051 GHz	-35.02 dBm	-10.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91014 GHz	-33.94 dBm	-8.94 dB

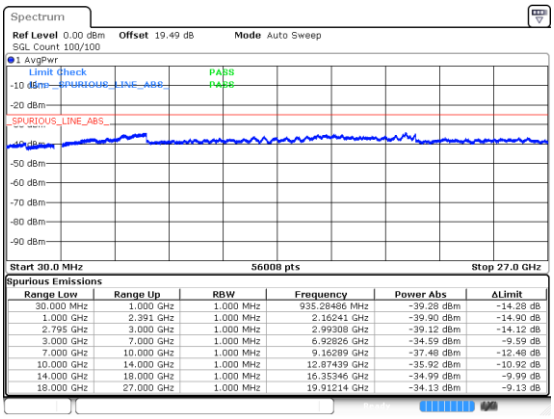
Highest Channel / BPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-39.41 dBm	-14.41 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.07584 GHz	-39.85 dBm	-14.85 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99534 GHz	-39.21 dBm	-14.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.68179 GHz	-34.35 dBm	-9.35 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16439 GHz	-37.53 dBm	-12.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.87439 GHz	-36.13 dBm	-11.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.33046 GHz	-35.03 dBm	-10.03 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92464 GHz	-33.83 dBm	-8.83 dB

Highest Channel / QPSK

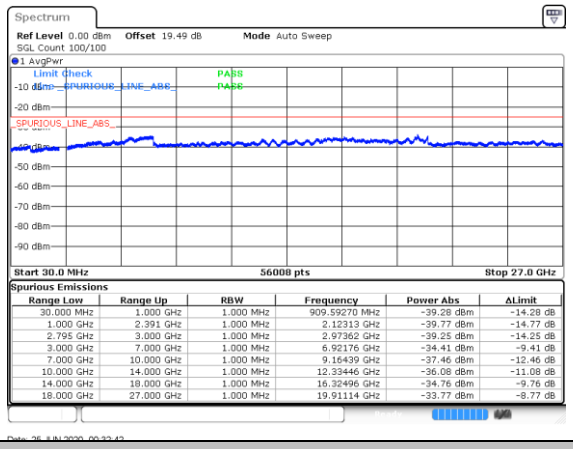


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-39.28 dBm	-14.28 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.16241 GHz	-39.90 dBm	-14.90 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99308 GHz	-39.12 dBm	-14.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92826 GHz	-34.59 dBm	-9.59 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16289 GHz	-37.48 dBm	-12.48 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.87439 GHz	-35.92 dBm	-10.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.35346 GHz	-34.99 dBm	-9.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91214 GHz	-34.13 dBm	-9.13 dB

N41 90MHz

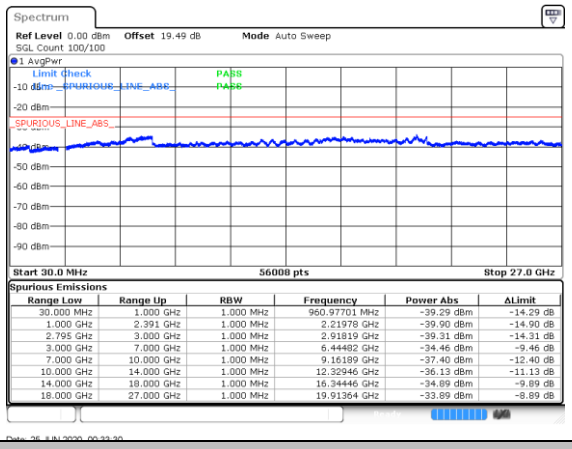
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-39.28 dBm	-14.28 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.12313 GHz	-39.77 dBm	-14.77 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97362 GHz	-39.25 dBm	-14.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92176 GHz	-34.41 dBm	-9.41 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16439 GHz	-37.46 dBm	-12.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.33446 GHz	-36.08 dBm	-11.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.32496 GHz	-34.76 dBm	-9.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91114 GHz	-33.77 dBm	-8.77 dB

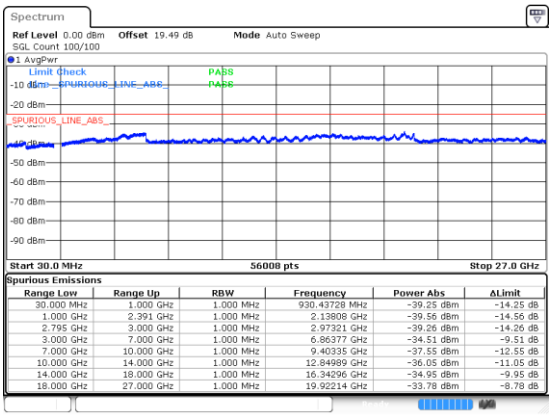
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-39.29 dBm	-14.29 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.21978 GHz	-39.90 dBm	-14.90 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.91819 GHz	-39.31 dBm	-14.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.44482 GHz	-34.46 dBm	-9.46 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16189 GHz	-37.40 dBm	-12.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.32946 GHz	-36.13 dBm	-11.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34446 GHz	-34.89 dBm	-9.89 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91364 GHz	-33.89 dBm	-8.89 dB

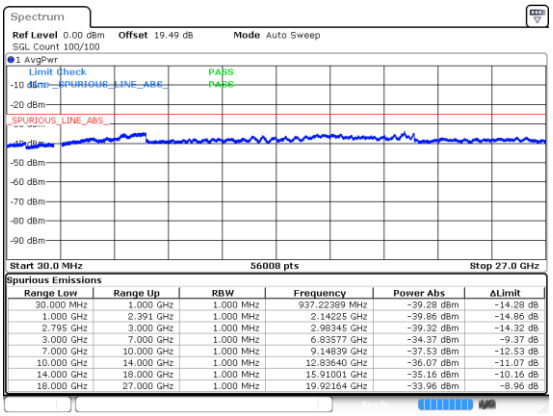
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.43728 MHz	-39.25 dBm	-14.25 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.13808 GHz	-39.56 dBm	-14.56 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97321 GHz	-39.26 dBm	-14.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86377 GHz	-34.51 dBm	-9.51 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40335 GHz	-37.55 dBm	-12.55 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84989 GHz	-36.05 dBm	-11.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34296 GHz	-34.95 dBm	-9.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92214 GHz	-33.78 dBm	-8.78 dB

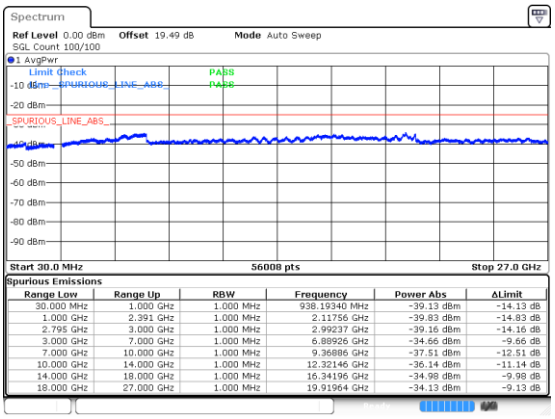
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-39.28 dBm	-14.28 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.14225 GHz	-39.86 dBm	-14.86 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98345 GHz	-39.32 dBm	-14.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83577 GHz	-34.37 dBm	-9.37 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.14839 GHz	-37.53 dBm	-12.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.83640 GHz	-36.07 dBm	-11.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.91001 GHz	-35.16 dBm	-10.16 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92164 GHz	-33.96 dBm	-8.96 dB

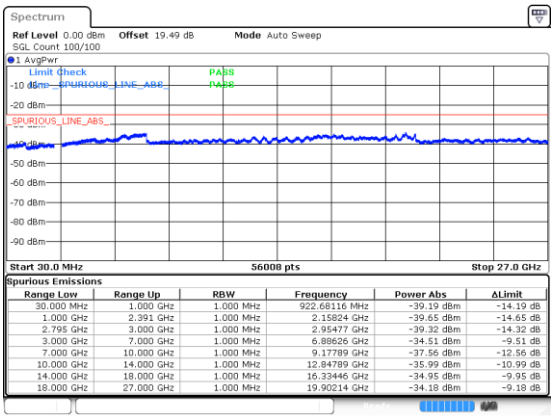
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-39.13 dBm	-14.13 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.11756 GHz	-39.83 dBm	-14.83 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99237 GHz	-39.16 dBm	-14.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88926 GHz	-34.66 dBm	-9.66 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.36886 GHz	-37.51 dBm	-12.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.32146 GHz	-36.14 dBm	-11.14 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34196 GHz	-34.98 dBm	-9.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91964 GHz	-34.13 dBm	-9.13 dB

Highest Channel / 64QAM

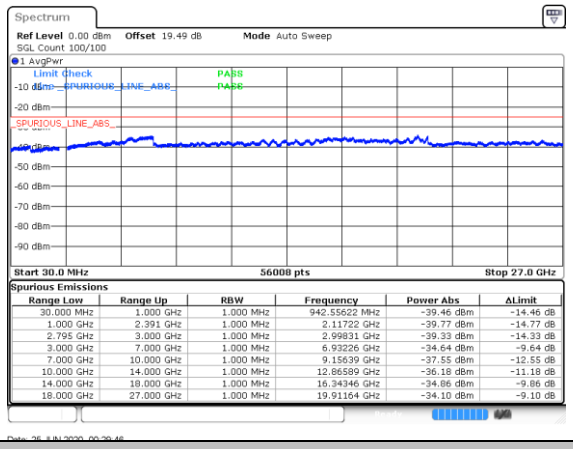


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-39.19 dBm	-14.19 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.15824 GHz	-39.65 dBm	-14.65 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.95477 GHz	-39.32 dBm	-14.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88626 GHz	-34.51 dBm	-9.51 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.17789 GHz	-37.56 dBm	-12.56 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84789 GHz	-35.99 dBm	-10.99 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.33446 GHz	-34.95 dBm	-9.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90214 GHz	-34.18 dBm	-9.18 dB

N41 90MHz

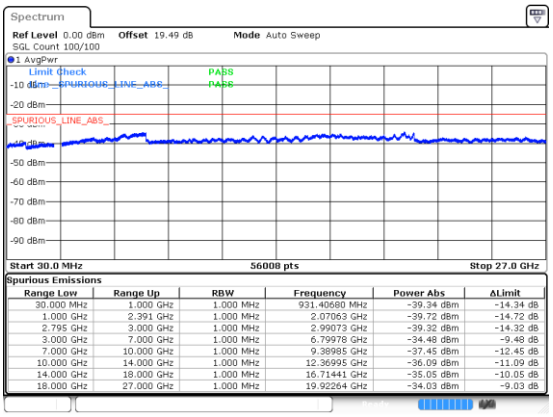
Lowest Channel / 256QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-39.46 dBm	-14.46 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.11722 GHz	-39.77 dBm	-14.77 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99831 GHz	-39.33 dBm	-14.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93226 GHz	-34.64 dBm	-9.64 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.15639 GHz	-37.55 dBm	-12.55 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.86589 GHz	-36.18 dBm	-11.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34346 GHz	-34.86 dBm	-9.86 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91164 GHz	-34.10 dBm	-9.10 dB

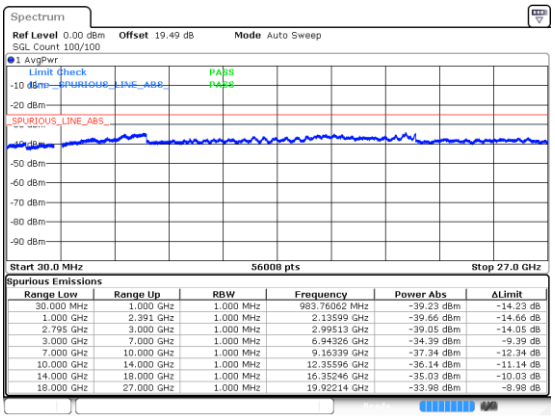
Middle Channel / 256QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.40680 MHz	-39.34 dBm	-14.34 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.07063 GHz	-39.72 dBm	-14.72 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99073 GHz	-39.32 dBm	-14.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-34.48 dBm	-9.48 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.38985 GHz	-37.45 dBm	-12.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.36995 GHz	-36.09 dBm	-11.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.71441 GHz	-35.05 dBm	-10.05 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92264 GHz	-34.03 dBm	-9.03 dB

Highest Channel / 256QAM

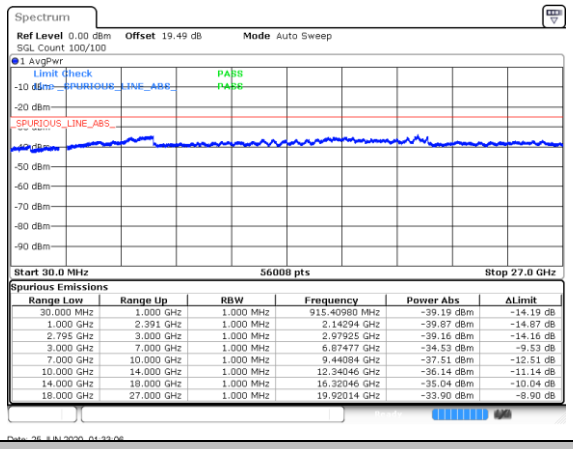


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-39.23 dBm	-14.23 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.13599 GHz	-39.66 dBm	-14.66 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99513 GHz	-39.05 dBm	-14.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94326 GHz	-34.39 dBm	-9.39 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16339 GHz	-37.34 dBm	-12.34 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.35596 GHz	-36.14 dBm	-11.14 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.35246 GHz	-35.03 dBm	-10.03 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92214 GHz	-33.98 dBm	-8.98 dB

N41 100MHz

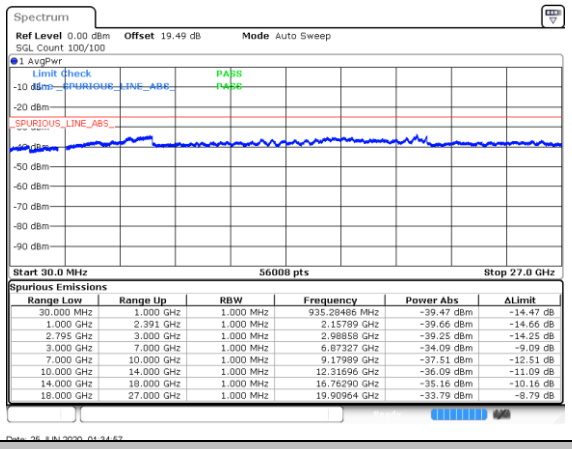
Lowest Channel / BPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-39.19 dBm	-14.19 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.14294 GHz	-39.87 dBm	-14.87 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97925 GHz	-39.16 dBm	-14.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87477 GHz	-34.53 dBm	-9.53 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.44084 GHz	-37.51 dBm	-12.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.34046 GHz	-36.14 dBm	-11.14 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.32046 GHz	-35.04 dBm	-10.04 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92014 GHz	-33.90 dBm	-8.90 dB

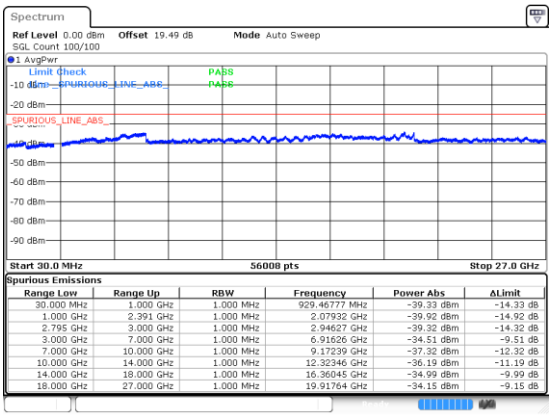
Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-39.47 dBm	-14.47 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.15789 GHz	-39.66 dBm	-14.66 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98858 GHz	-39.25 dBm	-14.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87327 GHz	-34.09 dBm	-9.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.17989 GHz	-37.51 dBm	-12.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.31696 GHz	-36.09 dBm	-11.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.76290 GHz	-35.16 dBm	-10.16 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90964 GHz	-33.79 dBm	-8.79 dB

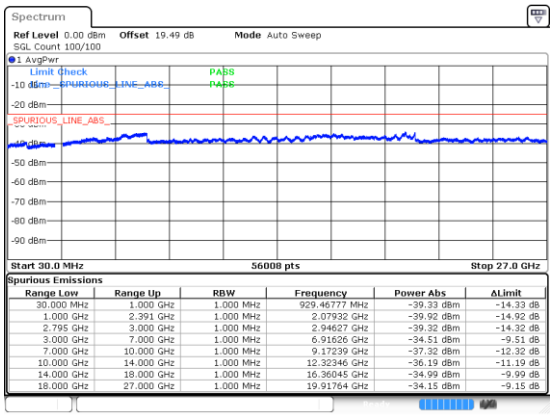
Middle Channel / BPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-39.33 dBm	-14.33 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.07932 GHz	-39.92 dBm	-14.92 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94627 GHz	-39.32 dBm	-14.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91626 GHz	-34.51 dBm	-9.51 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.17239 GHz	-37.32 dBm	-12.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.32346 GHz	-36.19 dBm	-11.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.36045 GHz	-34.99 dBm	-9.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91764 GHz	-34.15 dBm	-9.15 dB

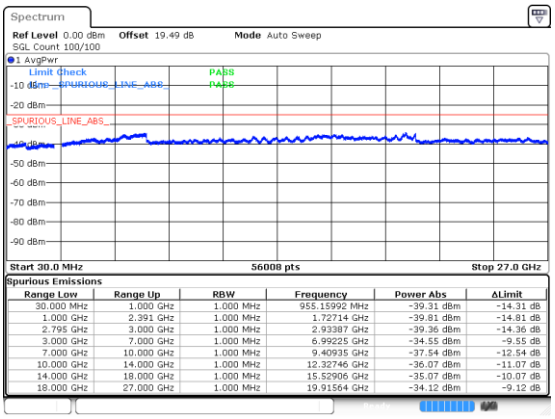
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-39.33 dBm	-14.33 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.07932 GHz	-39.92 dBm	-14.92 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.94627 GHz	-39.32 dBm	-14.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91626 GHz	-34.51 dBm	-9.51 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.17239 GHz	-37.32 dBm	-12.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.32346 GHz	-36.19 dBm	-11.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.36045 GHz	-34.99 dBm	-9.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91764 GHz	-34.15 dBm	-9.15 dB

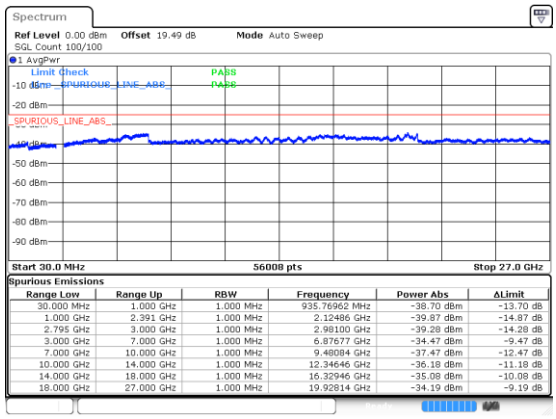
Highest Channel / BPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-39.31 dBm	-14.31 dB
1.000 GHz	2.391 GHz	1.000 MHz	1.72714 GHz	-39.81 dBm	-14.81 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.93387 GHz	-39.36 dBm	-14.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-34.55 dBm	-9.55 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40935 GHz	-37.54 dBm	-12.54 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.32746 GHz	-36.07 dBm	-11.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.52906 GHz	-35.07 dBm	-10.07 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91564 GHz	-34.12 dBm	-9.12 dB

Highest Channel / QPSK

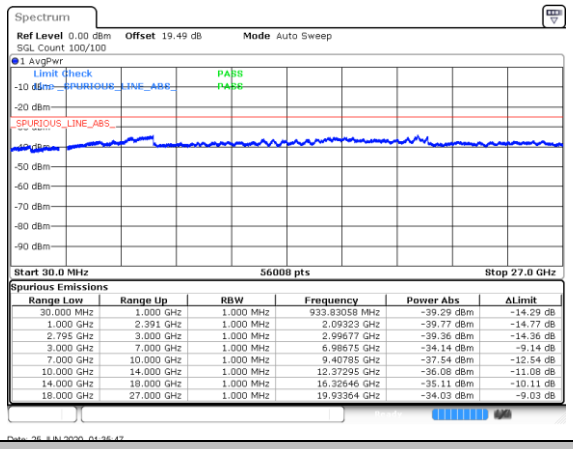


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-36.70 dBm	-13.70 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.12486 GHz	-39.87 dBm	-14.87 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98100 GHz	-39.28 dBm	-14.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87677 GHz	-34.47 dBm	-9.47 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.48084 GHz	-37.47 dBm	-12.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.34646 GHz	-36.18 dBm	-11.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.32946 GHz	-35.08 dBm	-10.08 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92814 GHz	-34.19 dBm	-9.19 dB

N41 100MHz

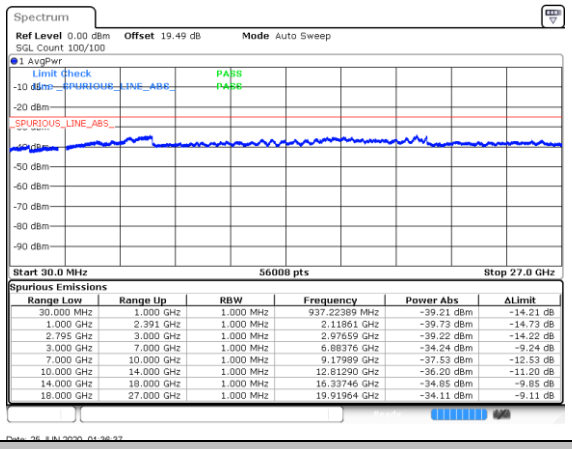
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-39.29 dBm	-14.29 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.09323 GHz	-39.77 dBm	-14.77 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99677 GHz	-39.36 dBm	-14.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-34.14 dBm	-9.14 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40785 GHz	-37.54 dBm	-12.54 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.37295 GHz	-36.08 dBm	-11.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.32646 GHz	-35.11 dBm	-10.11 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93364 GHz	-34.03 dBm	-9.03 dB

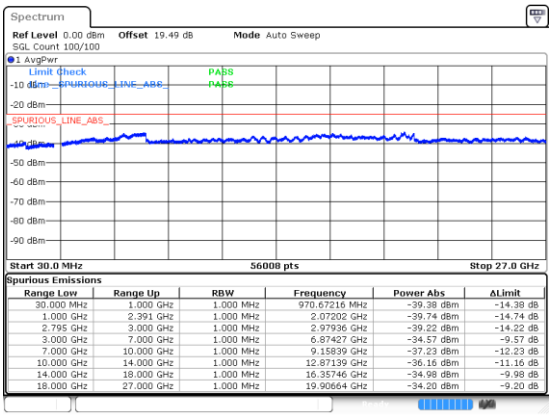
Lowest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-39.21 dBm	-14.21 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.11861 GHz	-39.73 dBm	-14.73 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97659 GHz	-39.22 dBm	-14.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-34.24 dBm	-9.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.17989 GHz	-37.53 dBm	-12.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.81290 GHz	-36.20 dBm	-11.20 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.33746 GHz	-34.85 dBm	-9.85 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91964 GHz	-34.11 dBm	-9.11 dB

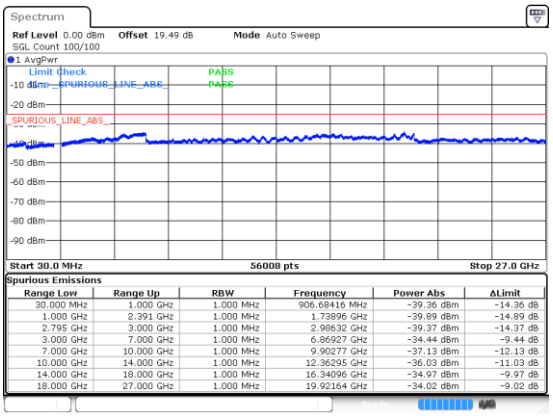
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-39.38 dBm	-14.38 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.07202 GHz	-39.74 dBm	-14.74 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.97936 GHz	-39.22 dBm	-14.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87427 GHz	-34.57 dBm	-9.57 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.15839 GHz	-37.23 dBm	-12.23 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.87139 GHz	-36.16 dBm	-11.16 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.35746 GHz	-34.98 dBm	-9.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90664 GHz	-34.20 dBm	-9.20 dB

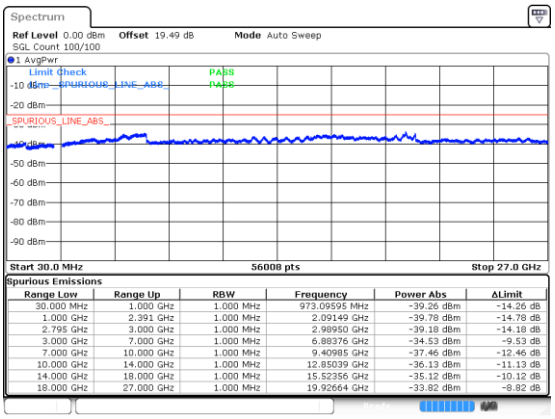
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.68416 MHz	-39.36 dBm	-14.36 dB
1.000 GHz	2.391 GHz	1.000 MHz	1.73896 GHz	-39.89 dBm	-14.89 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98632 GHz	-39.37 dBm	-14.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86927 GHz	-34.44 dBm	-9.44 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.90277 GHz	-37.13 dBm	-12.13 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.36295 GHz	-36.03 dBm	-11.03 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34096 GHz	-34.97 dBm	-9.97 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92164 GHz	-34.02 dBm	-9.02 dB

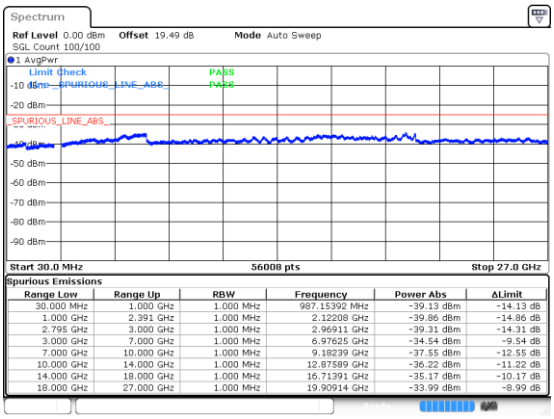
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-39.26 dBm	-14.26 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.09149 GHz	-39.78 dBm	-14.78 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.98950 GHz	-39.18 dBm	-14.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-34.53 dBm	-9.53 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40985 GHz	-37.46 dBm	-12.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.85039 GHz	-36.13 dBm	-11.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.52356 GHz	-35.12 dBm	-10.12 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92664 GHz	-33.82 dBm	-8.82 dB

Highest Channel / 64QAM

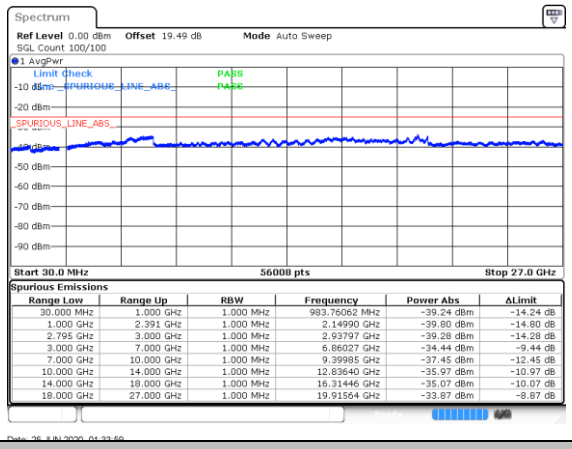


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-39.13 dBm	-14.13 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.12208 GHz	-39.86 dBm	-14.86 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.96911 GHz	-39.31 dBm	-14.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97625 GHz	-34.54 dBm	-9.54 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.18239 GHz	-37.55 dBm	-12.55 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.87589 GHz	-36.22 dBm	-11.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.71391 GHz	-35.17 dBm	-10.17 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90914 GHz	-33.99 dBm	-8.99 dB

N41 100MHz

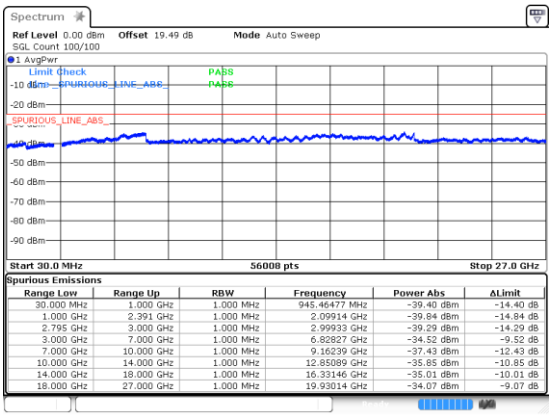
Lowest Channel / 256QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-39.24 dBm	-14.24 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.14990 GHz	-39.80 dBm	-14.80 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.93797 GHz	-39.28 dBm	-14.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86027 GHz	-34.44 dBm	-9.44 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.39985 GHz	-37.45 dBm	-12.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.83640 GHz	-35.97 dBm	-10.97 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.31446 GHz	-35.07 dBm	-10.07 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91564 GHz	-33.87 dBm	-8.87 dB

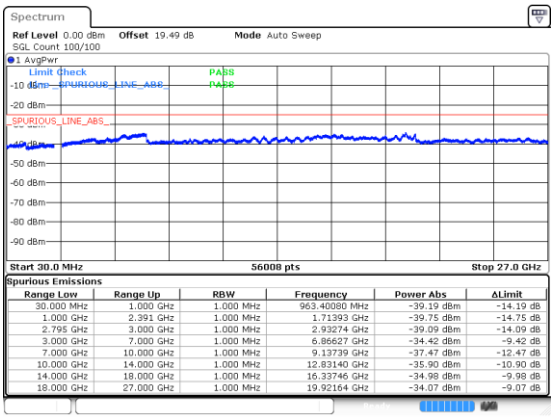
Middle Channel / 256QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.46477 MHz	-39.40 dBm	-14.40 dB
1.000 GHz	2.391 GHz	1.000 MHz	2.09914 GHz	-39.84 dBm	-14.84 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.99933 GHz	-39.29 dBm	-14.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.82827 GHz	-34.52 dBm	-9.52 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.16239 GHz	-37.43 dBm	-12.43 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.85089 GHz	-35.85 dBm	-10.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.33146 GHz	-35.01 dBm	-10.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93014 GHz	-34.07 dBm	-9.07 dB

Highest Channel / 256QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-39.19 dBm	-14.19 dB
1.000 GHz	2.391 GHz	1.000 MHz	1.71393 GHz	-39.75 dBm	-14.75 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.93274 GHz	-39.09 dBm	-14.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86627 GHz	-34.42 dBm	-9.42 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.13739 GHz	-37.47 dBm	-12.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.83140 GHz	-35.90 dBm	-10.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.33746 GHz	-34.98 dBm	-9.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92164 GHz	-34.07 dBm	-9.07 dB

Frequency Stability

Test Conditions		n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

5G NR n66

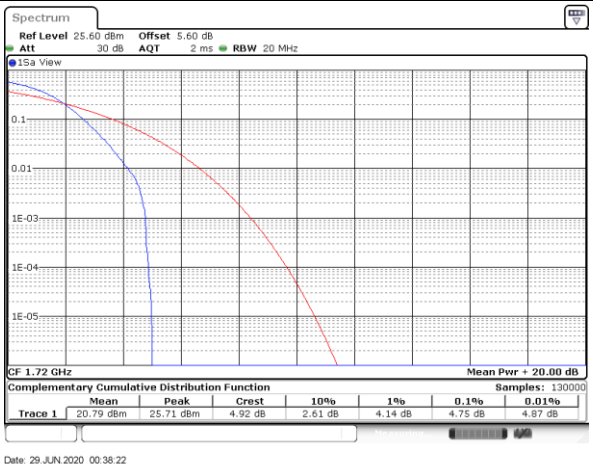
Peak-to-Average Ratio

Mode	N66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.70	5.30	5.54	6.43	PASS
Middle CH	4.87	5.28	6.03	6.41	
Highest CH	4.81	5.36	5.77	6.49	
Mode	N66 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.32	6.90	6.96	7.36	PASS
Middle CH	6.55	6.87	6.84	7.48	
Highest CH	6.41	6.90	7.16	7.39	
Mode	N66 / 20MHz				
Mod.	BPSK				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.99	4.75			PASS
Middle CH	5.19	4.52			
Highest CH	5.07	4.72			

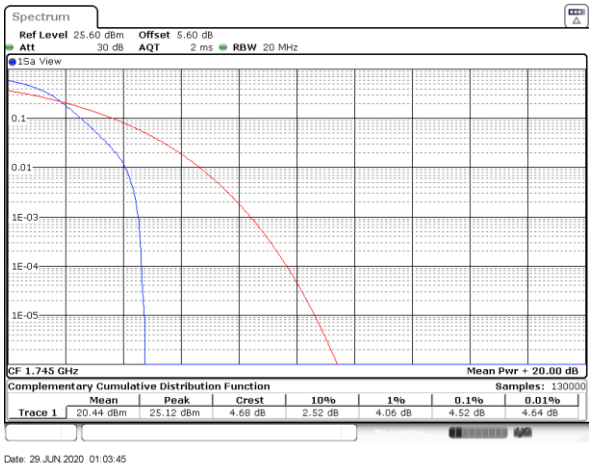
5G NR n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

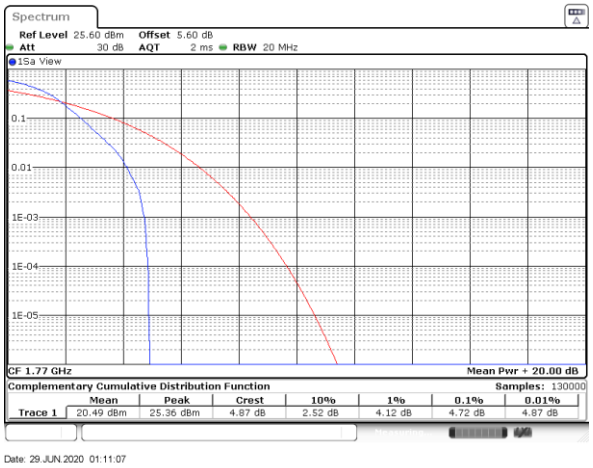
Lowest Channel / Full RB



Middle Channel / Full RB

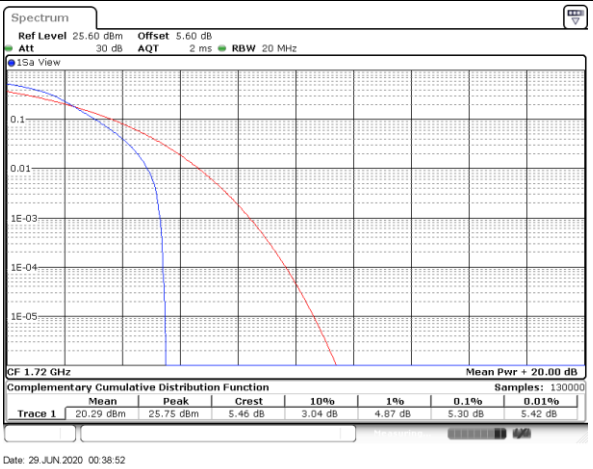


Highest Channel / Full RB

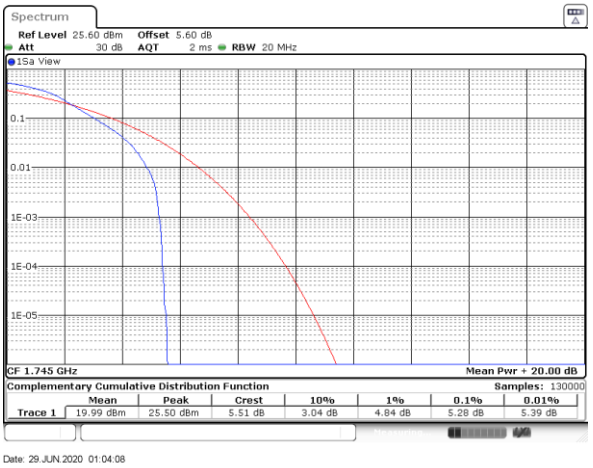


QPSK

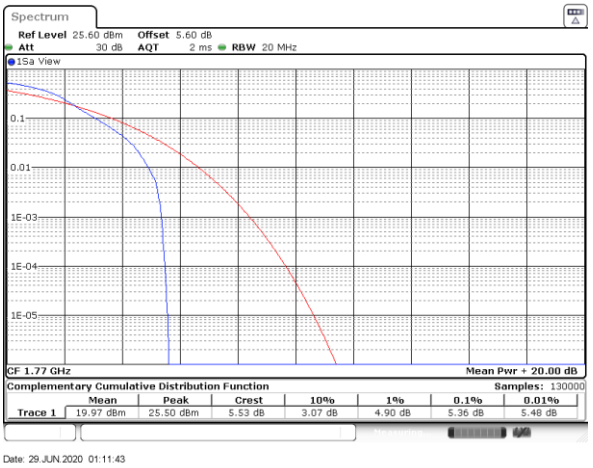
Lowest Channel / Full RB



Middle Channel / Full RB



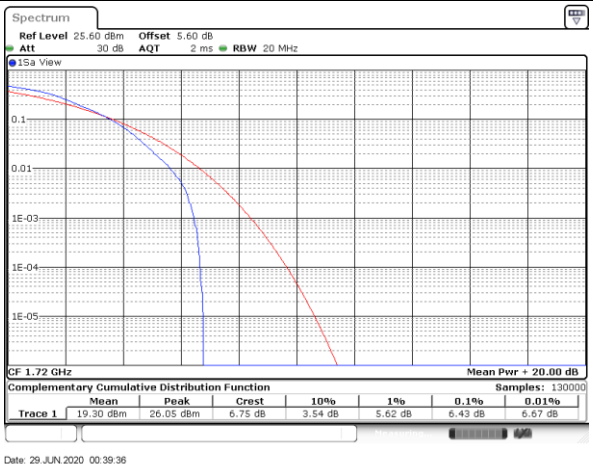
Highest Channel / Full RB



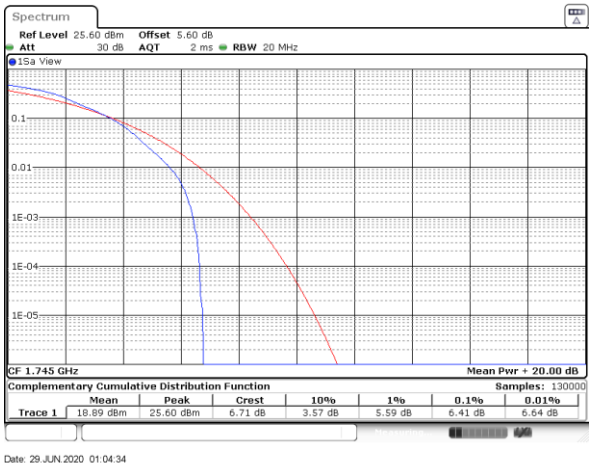
5G NR n66 / 20MHz / DFT-S OFDM

16QAM

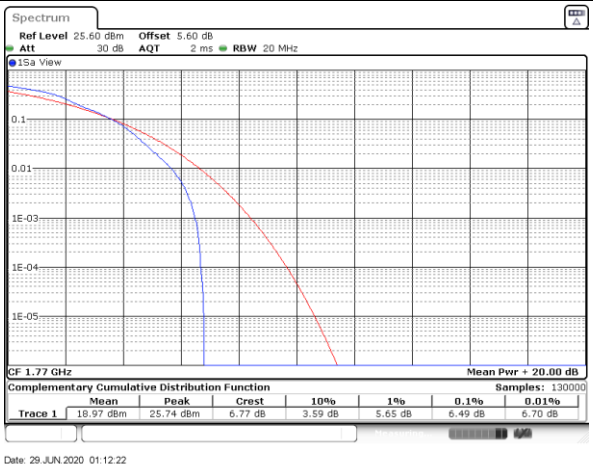
Lowest Channel / Full RB



Middle Channel / Full RB

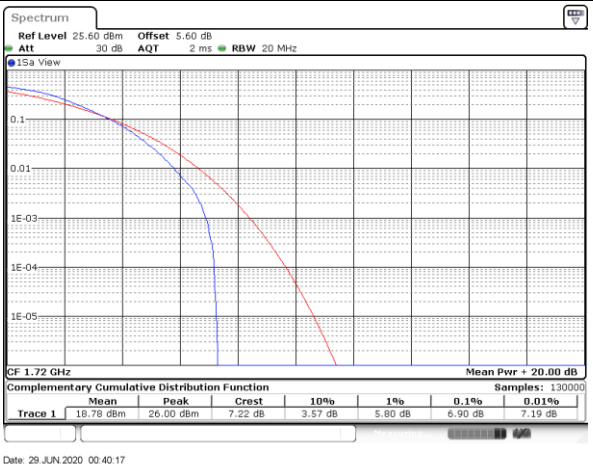


Highest Channel / Full RB

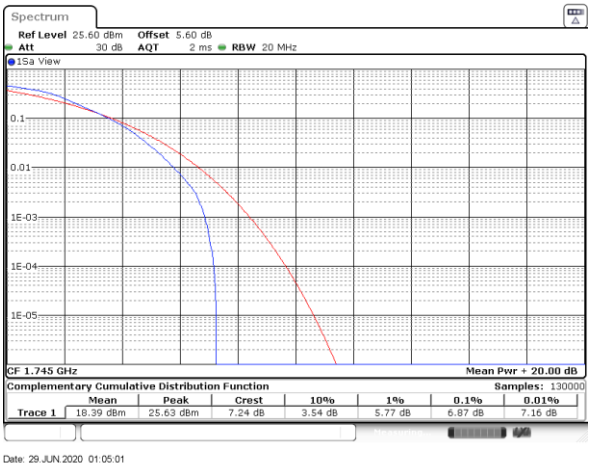


64QAM

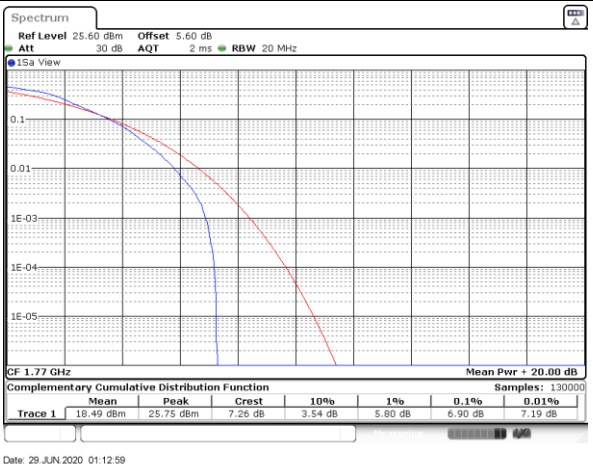
Lowest Channel / Full RB



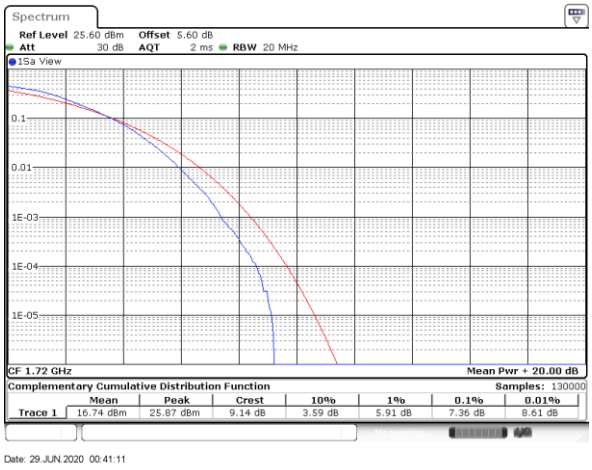
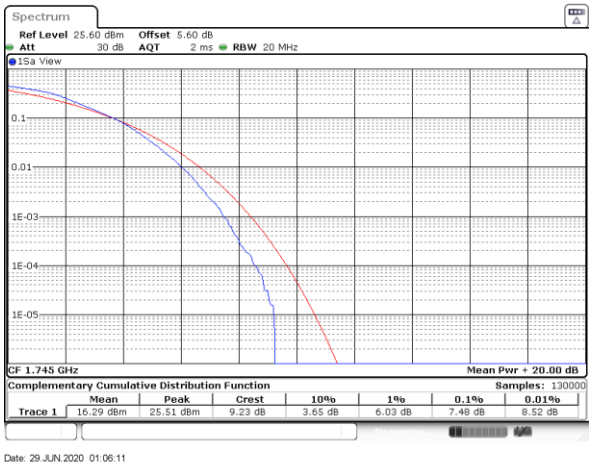
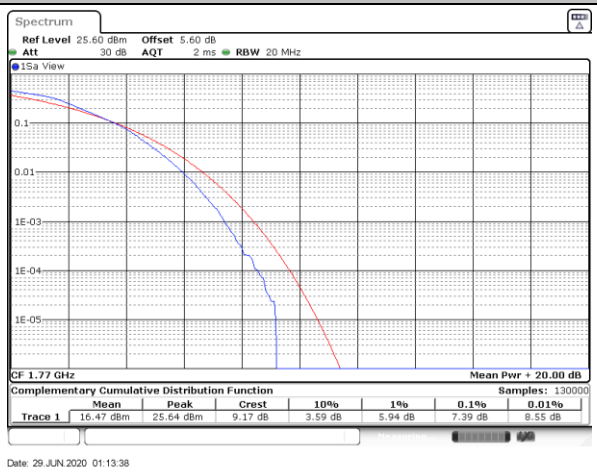
Middle Channel / Full RB



Highest Channel / Full RB



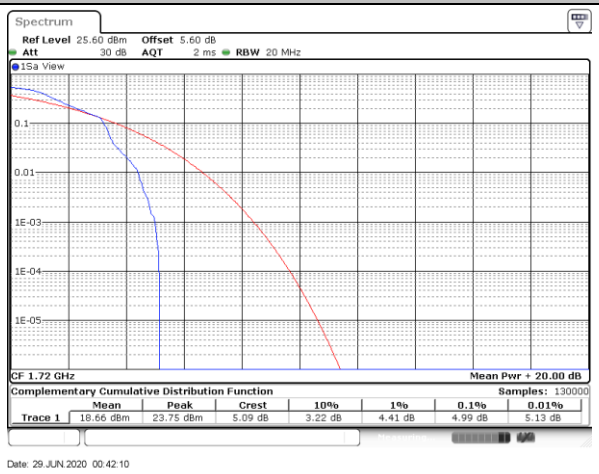
5G NR n66 / 20MHz / DFT-S OFDM

256QAM	
Lowest Channel / 1RB0	
	
Middle Channel / 1RB0	
	
Highest Channel / 1RB0	
	

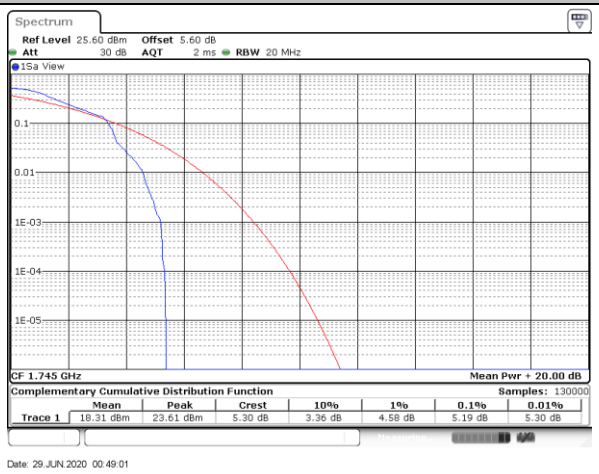
5G NR n66 / 20MHz / DFT-S OFDM

PI/2 BPSK

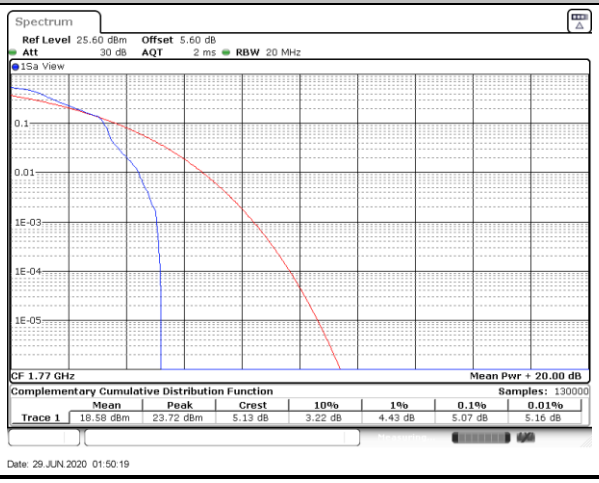
Lowest Channel / 1RB0



Middle Channel / 1RB0

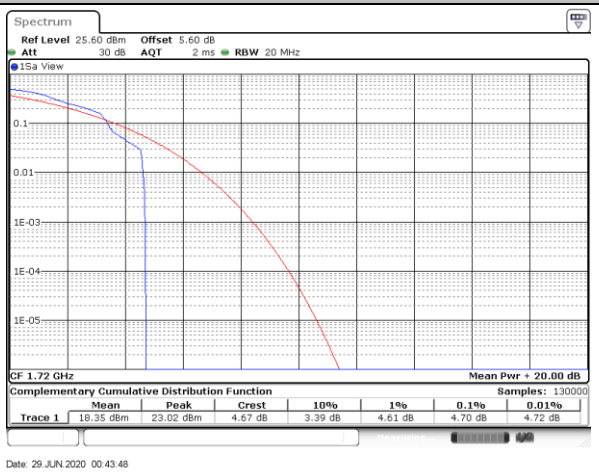


Highest Channel / 1RB0

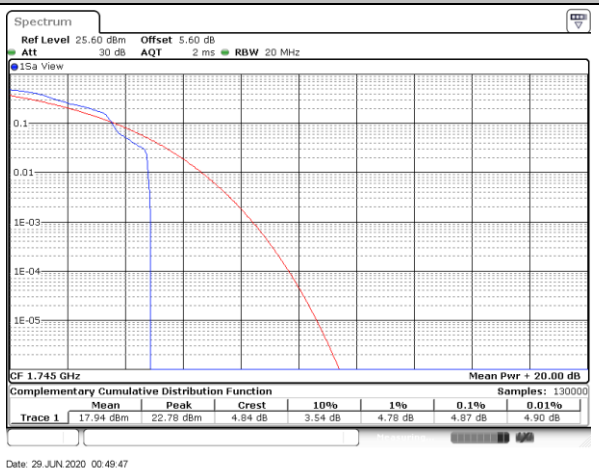


QPSK

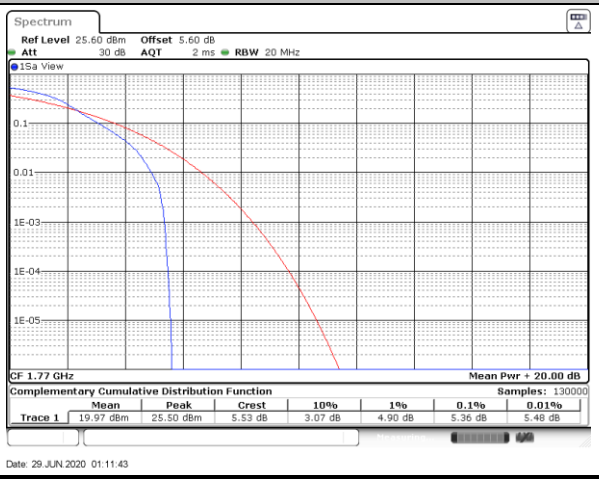
Lowest Channel / 1RB0



Middle Channel / 1RB0



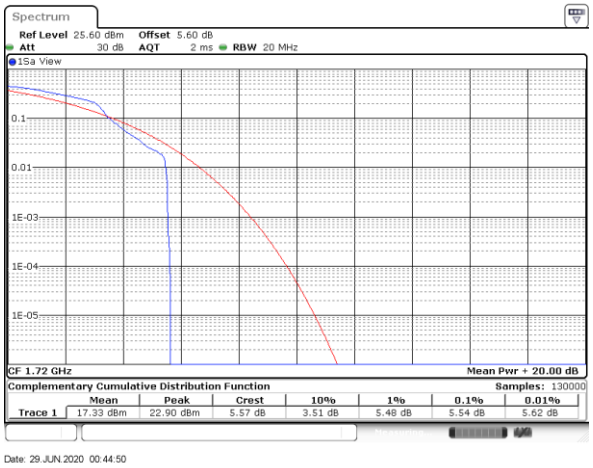
Highest Channel / 1RB0



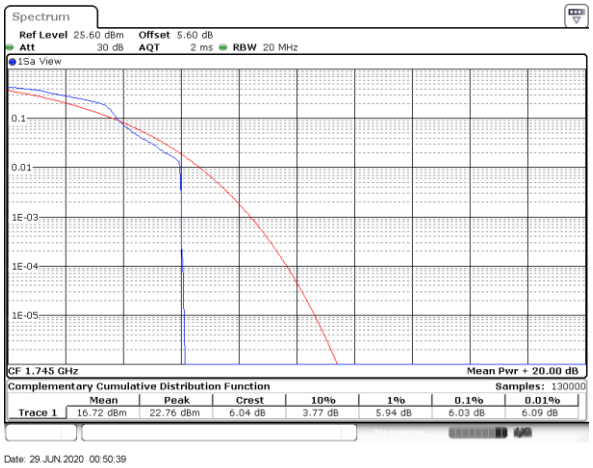
5G NR n66 / 20MHz / DFT-S OFDM

16QAM

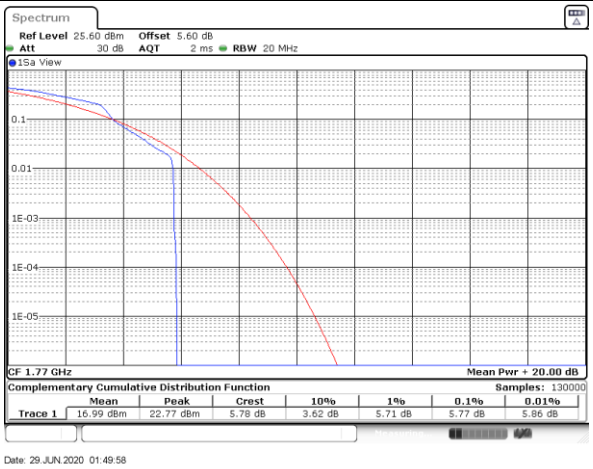
Lowest Channel / 1RB0



Middle Channel / 1RB0

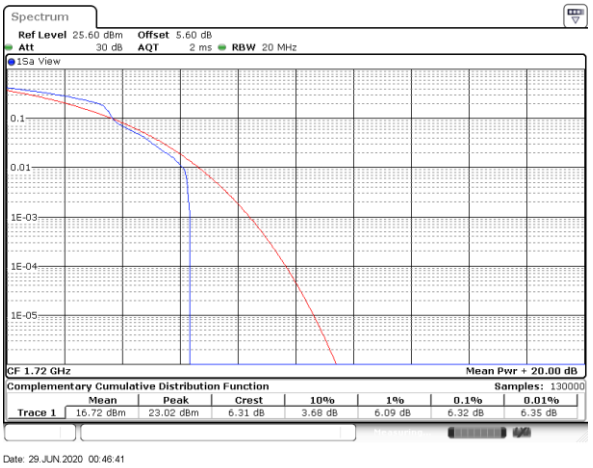


Highest Channel / 1RB0

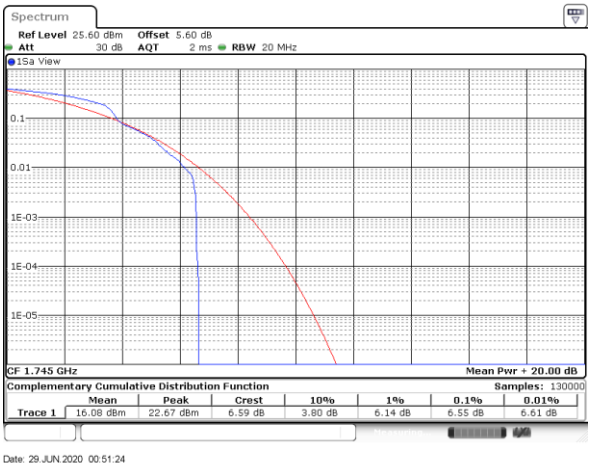


64QAM

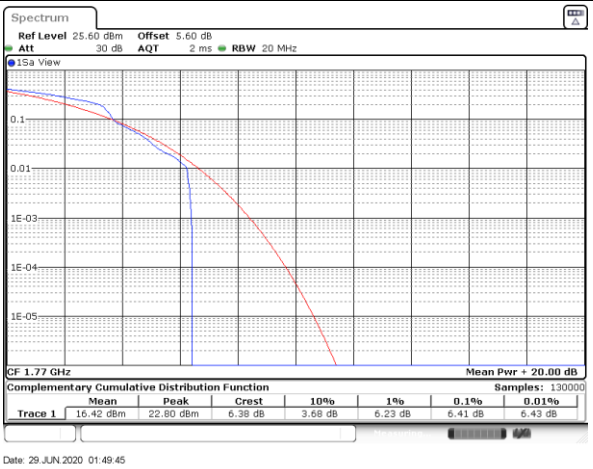
Lowest Channel / 1RB0

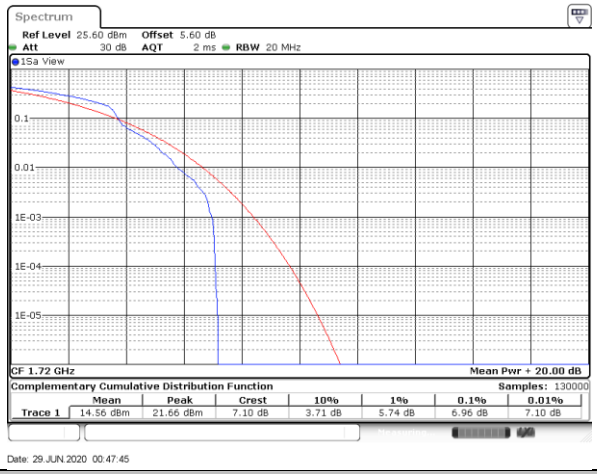
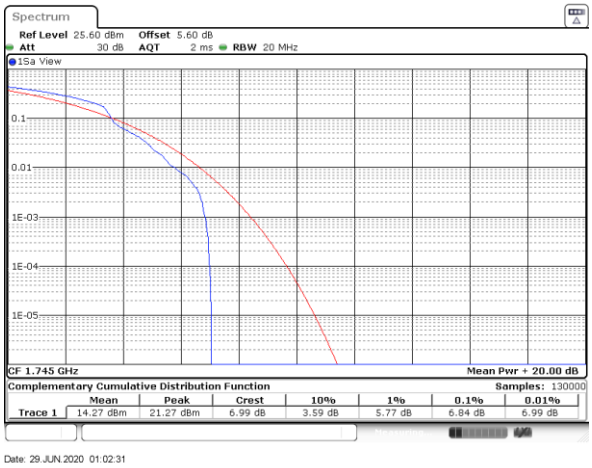
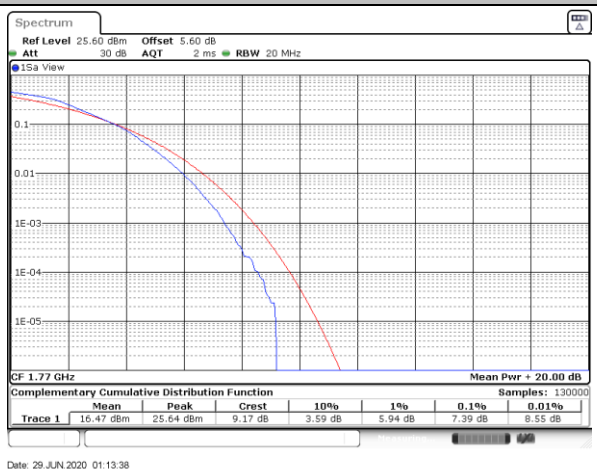


Middle Channel / 1RB0



Highest Channel / 1RB0



5G NR n66 / 20MHz / DFT-S OFDM	
256QAM	
Lowest Channel / 1RB0	
	
Middle Channel / 1RB0	
	
Highest Channel / 1RB0	
	

26dB Bandwidth

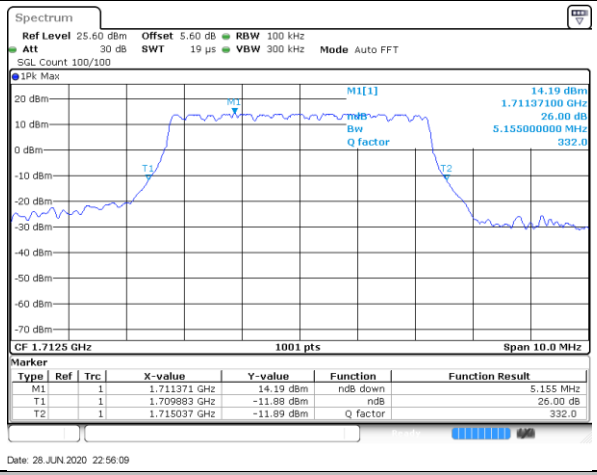
Mode	5G NR n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI / BPSK		PI / BPSK		PI / BPSK		PI / BPSK	
Lowest CH	5.16		9.75		14.30		20.18	
Middle CH	5.12		9.77		14.18		20.18	
Highest CH	5.08		9.65		14.21		20.26	

Mode	5G NR n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.12	5.21	9.67	9.87	14.30	14.42	20.10	20.22
Middle CH	5.04	5.21	10.23	9.89	14.18	14.39	20.26	20.18
Highest CH	5.04	5.24	9.79	9.93	14.33	14.45	20.06	20.22
Mode	5G NR n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	5.17	5.09	10.07	9.79	14.45	14.54	20.10	20.14
Middle CH	5.05	5.13	9.87	9.65	14.21	14.21	20.18	20.10
Highest CH	5.21	5.05	9.71	9.99	14.54	14.27	20.14	20.26

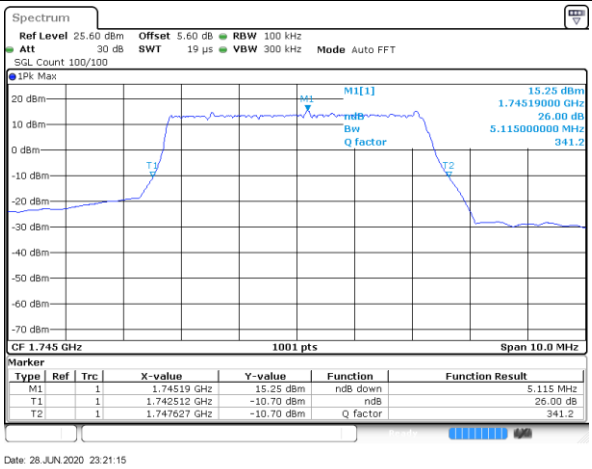
5G NR n66 / 5MHz / DFT-S OFDM

PI / BPSK

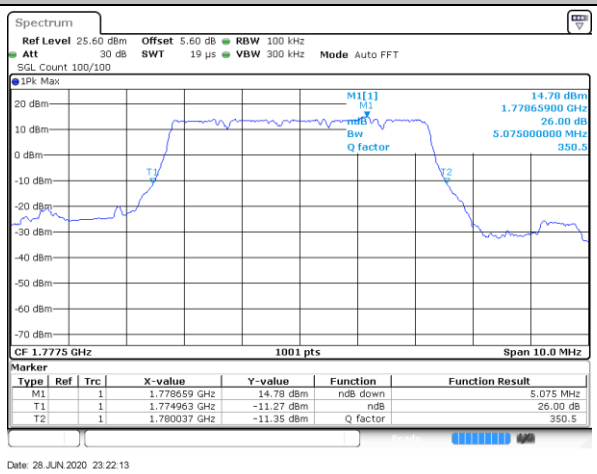
Lowest Channel



Middle Channel



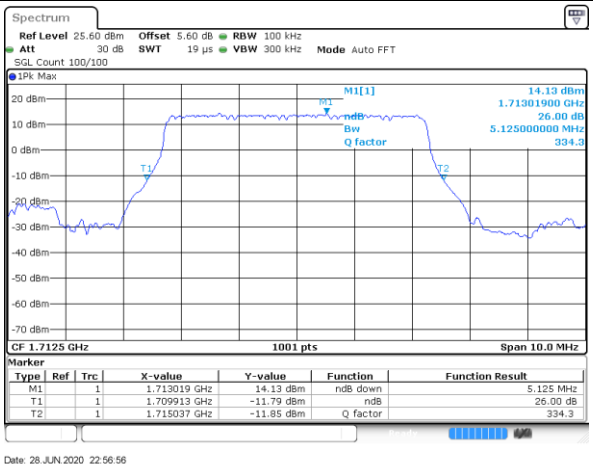
Highest Channel



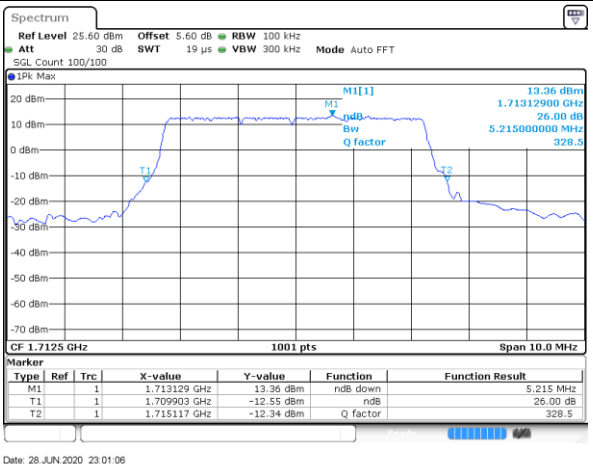
5G NR n66 / 5MHz / DFT-S OFDM

QPSK

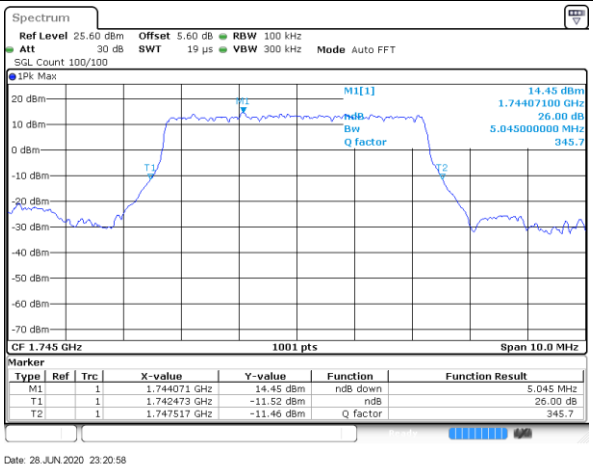
Lowest Channel



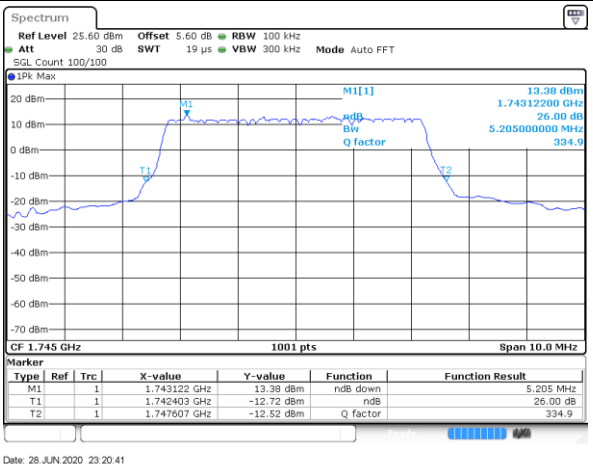
Lowest Channel



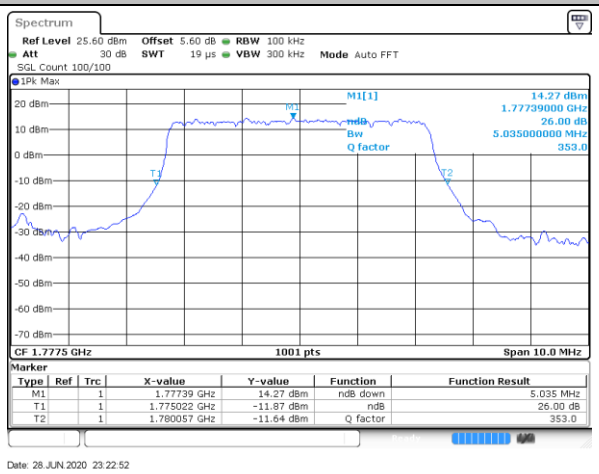
Middle Channel



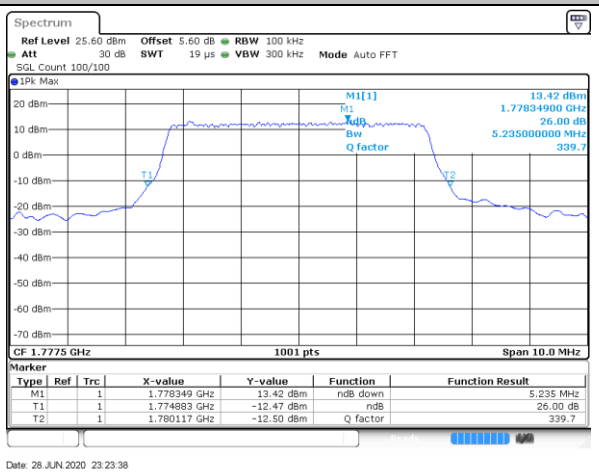
Middle Channel



Highest Channel



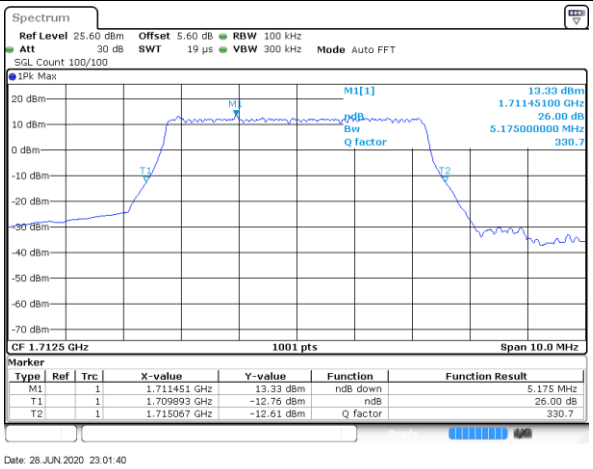
Highest Channel



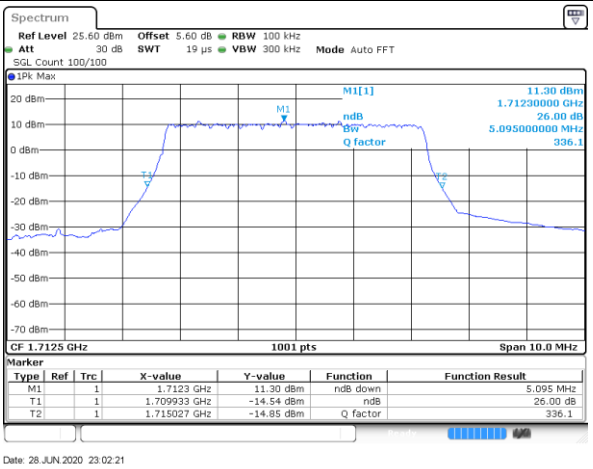
5G NR n66 / 5MHz / DFT-S OFDM

64QAM

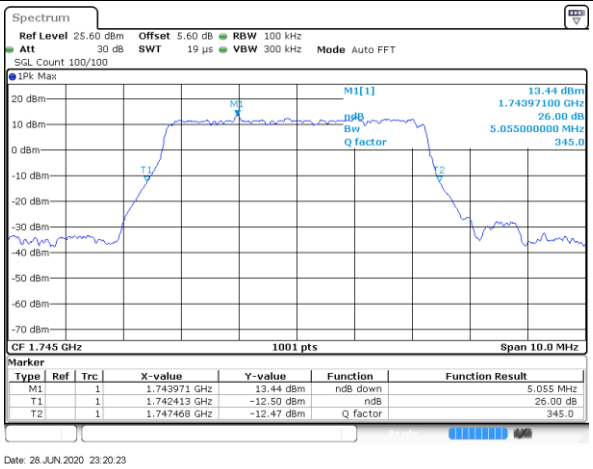
Lowest Channel



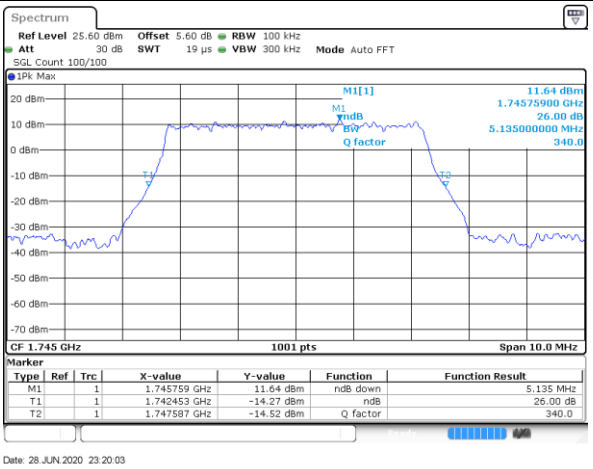
Lowest Channel



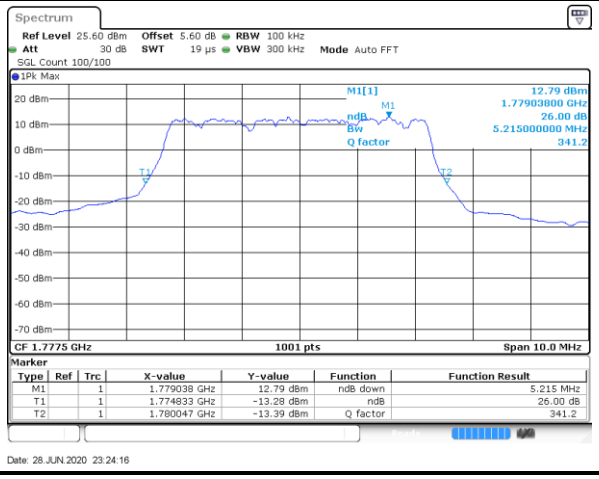
Middle Channel



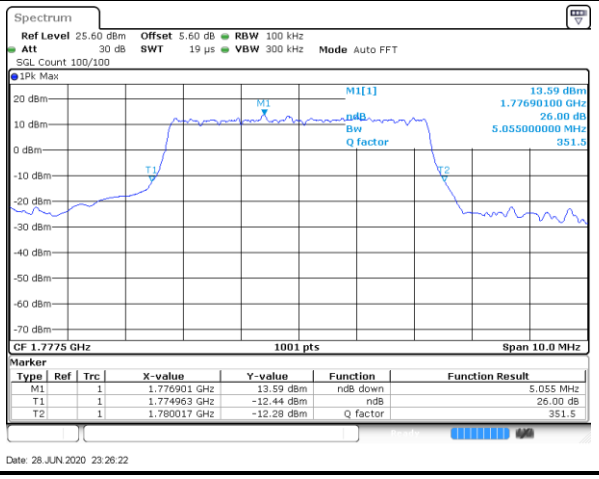
Middle Channel



Highest Channel



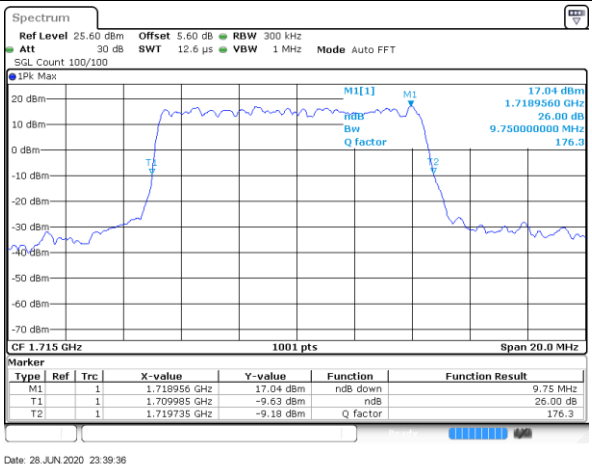
Highest Channel



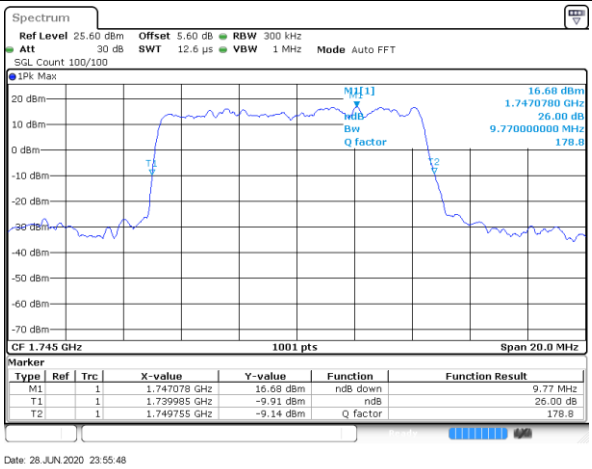
5G NR n66 / 10MHz / DFT-S OFDM

PI / BPSK

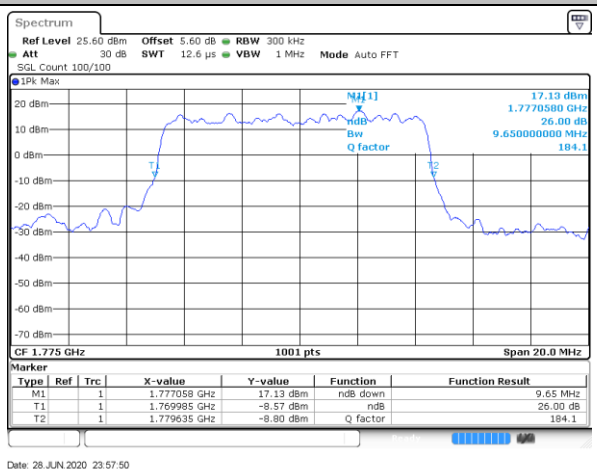
Lowest Channel



Middle Channel



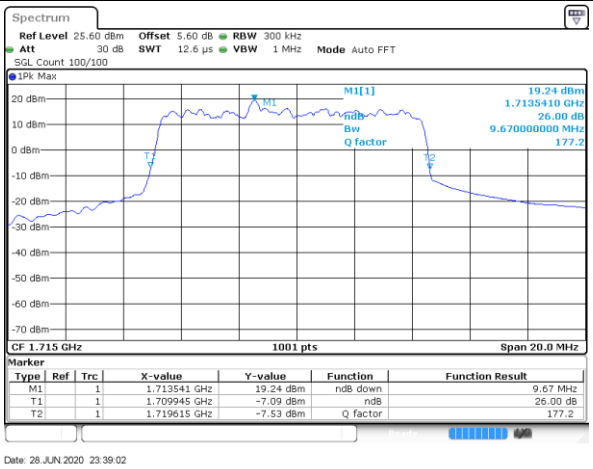
Highest Channel



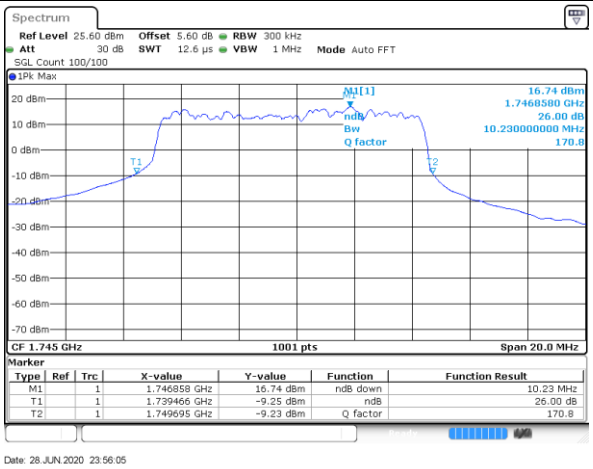
5G NR n66 / 10MHz / DFT-S OFDM

QPSK

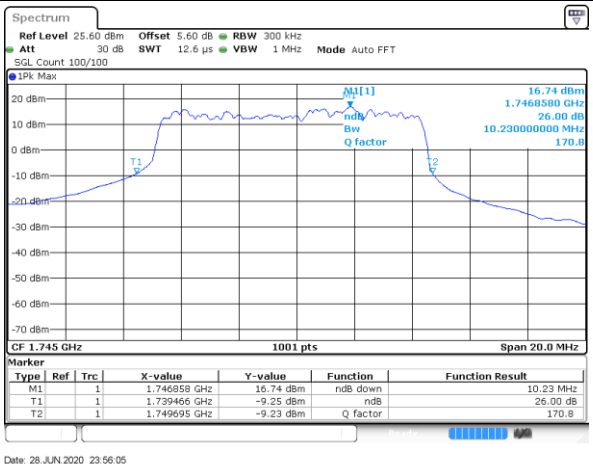
Lowest Channel



Middle Channel

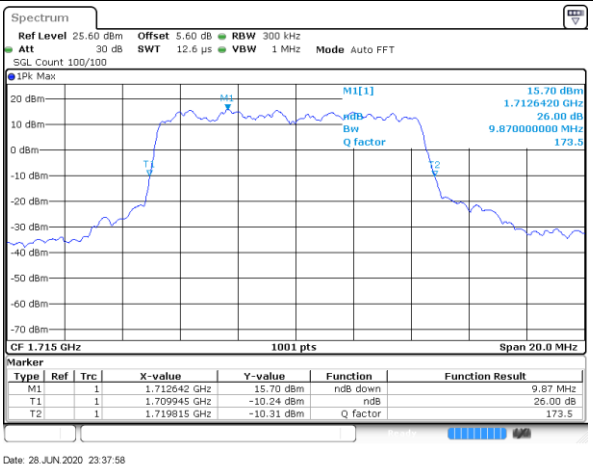


Highest Channel

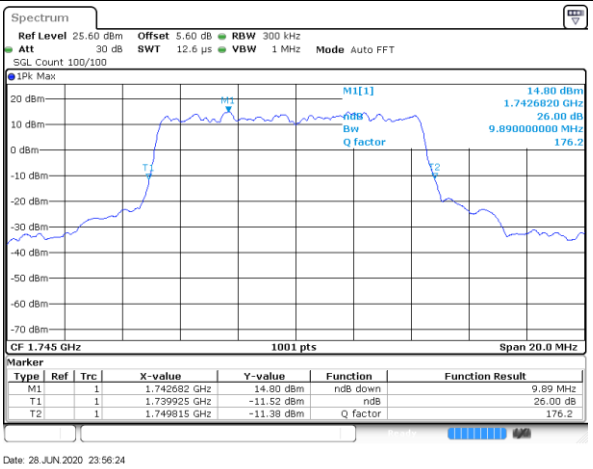


16QAM

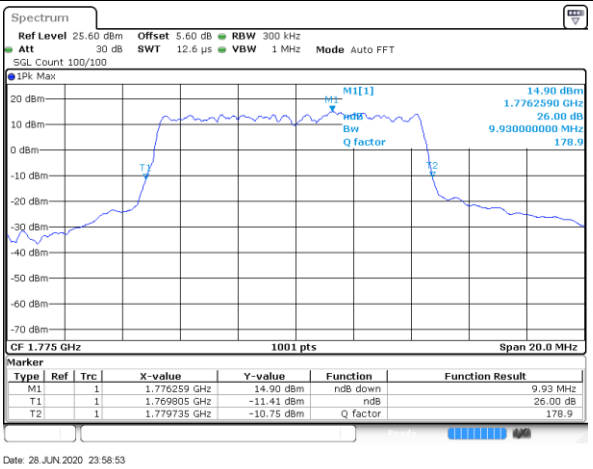
Lowest Channel



Middle Channel



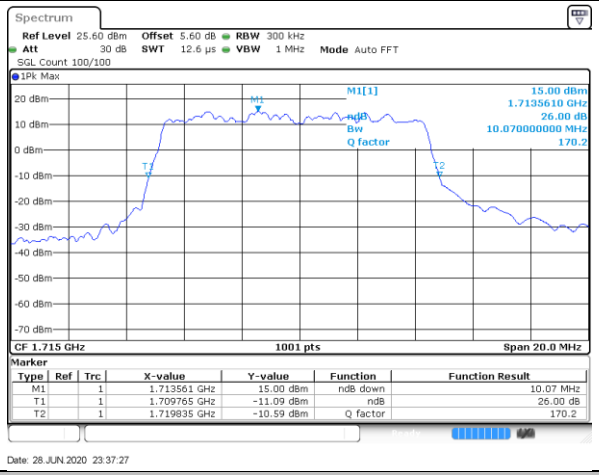
Highest Channel



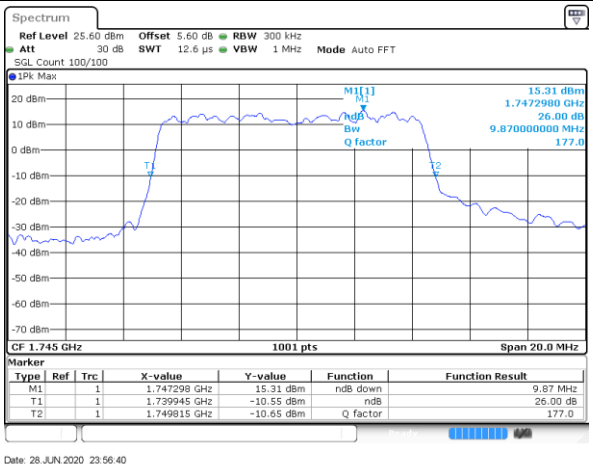
5G NR n66 / 10MHz / DFT-S OFDM

64QAM

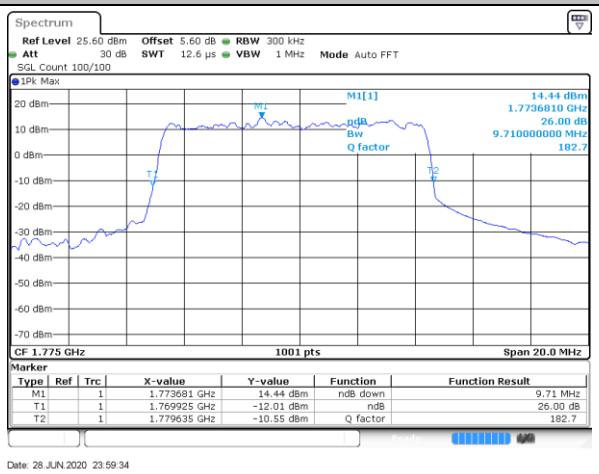
Lowest Channel



Middle Channel

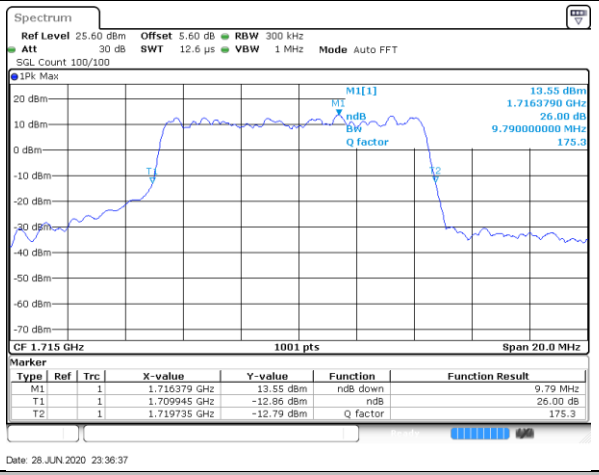


Highest Channel

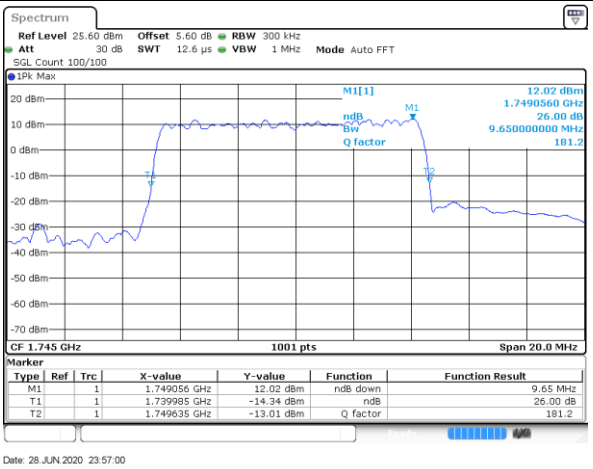


256QAM

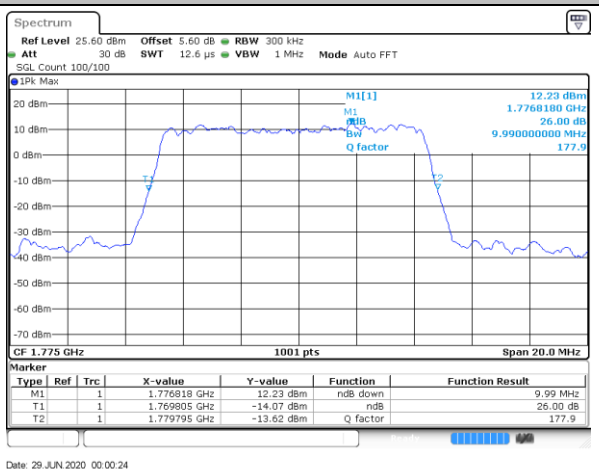
Lowest Channel



Middle Channel



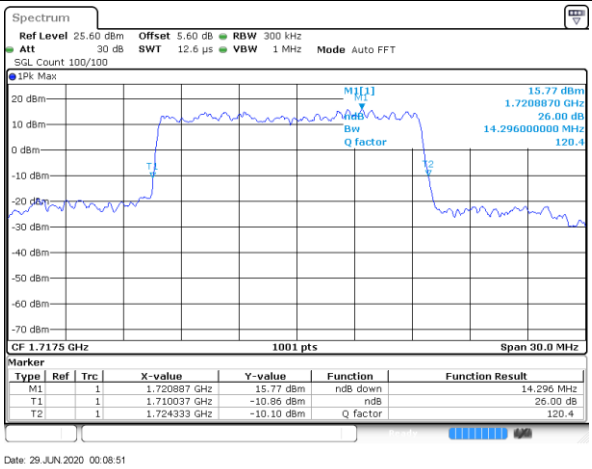
Highest Channel



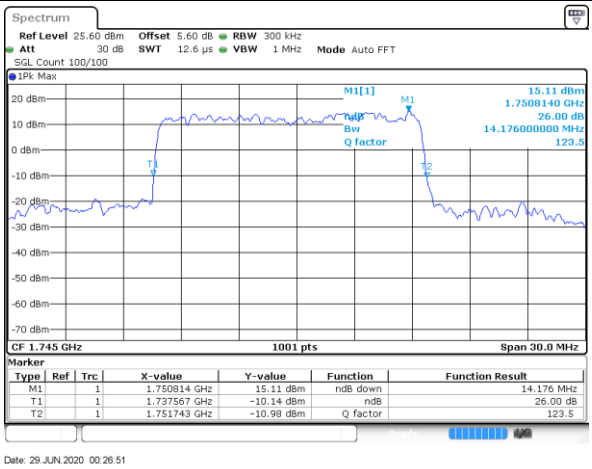
5G NR n66 / 15MHz / DFT-S OFDM

PI / BPSK

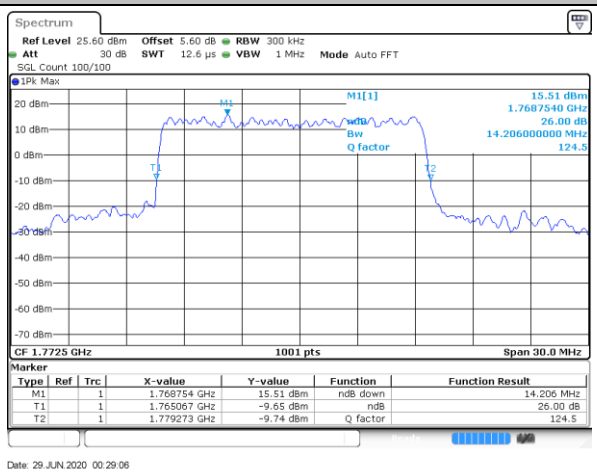
Lowest Channel



Middle Channel



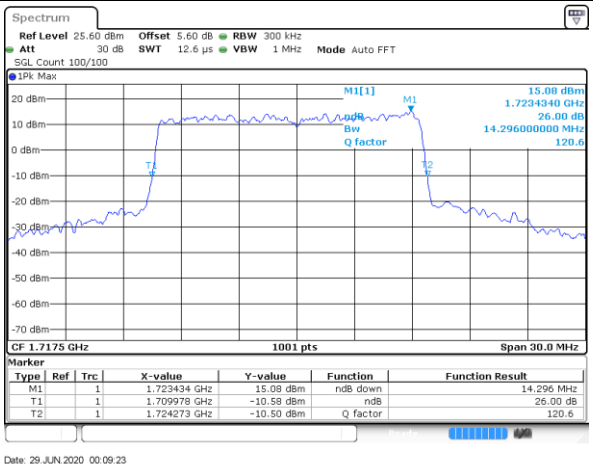
Highest Channel



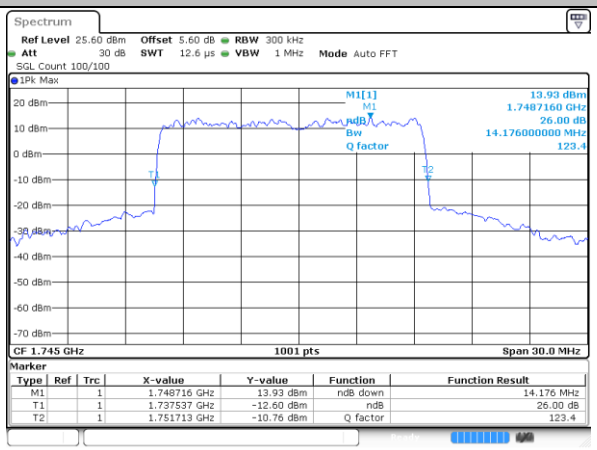
5G NR n66 / 15MHz / DFT-S OFDM

QPSK

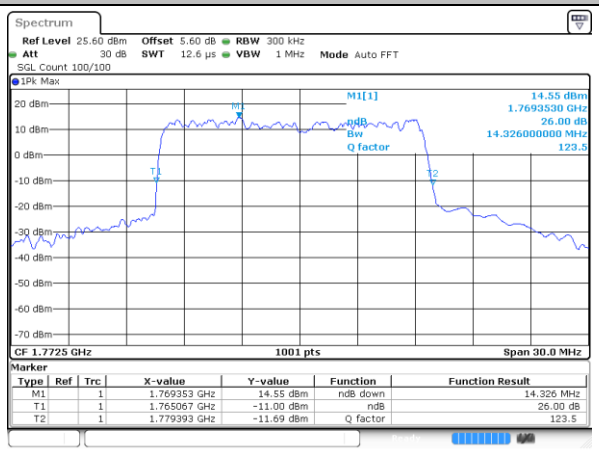
Lowest Channel



Middle Channel

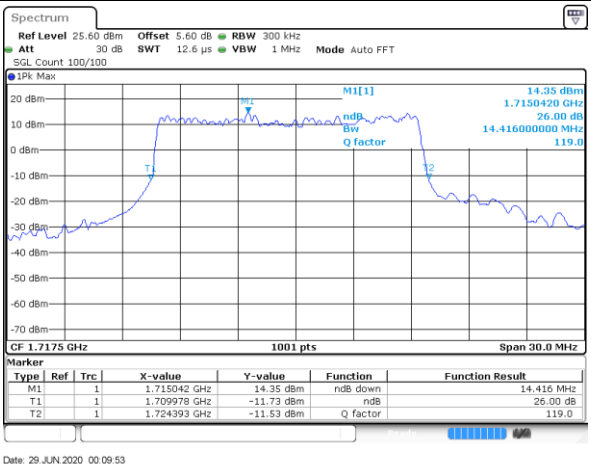


Highest Channel

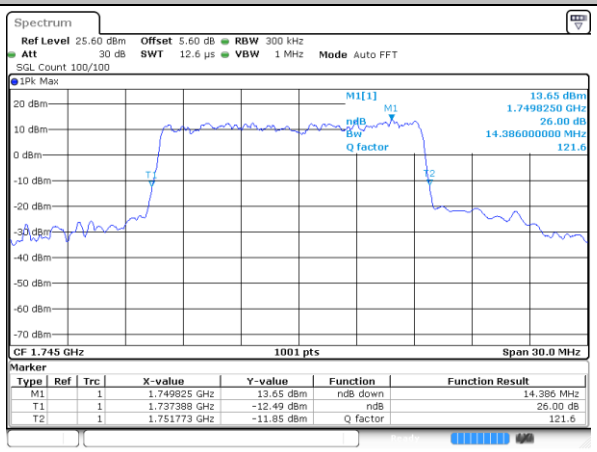


16QAM

Lowest Channel

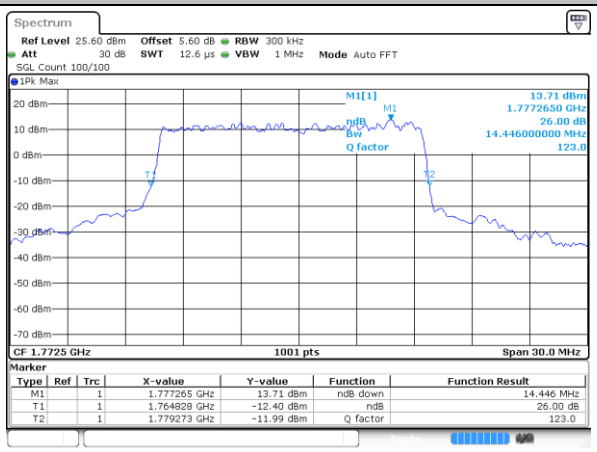


Middle Channel



K

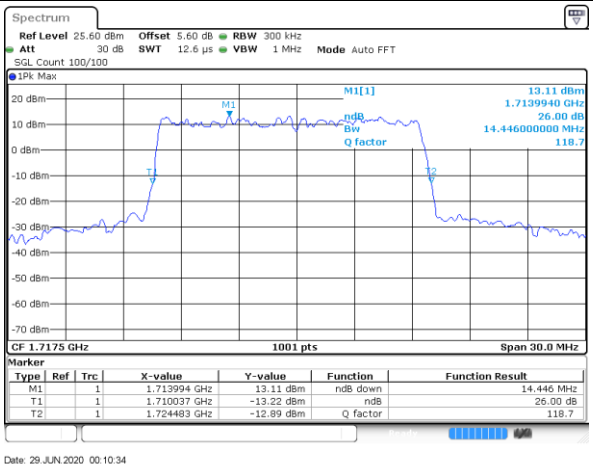
Highest Channel



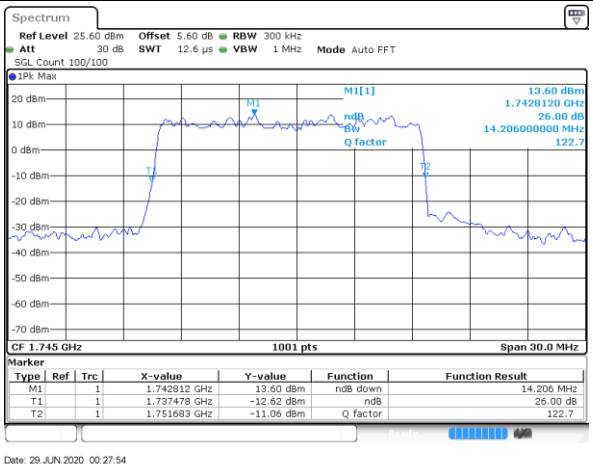
5G NR n66 / 15MHz / DFT-S OFDM

64QAM

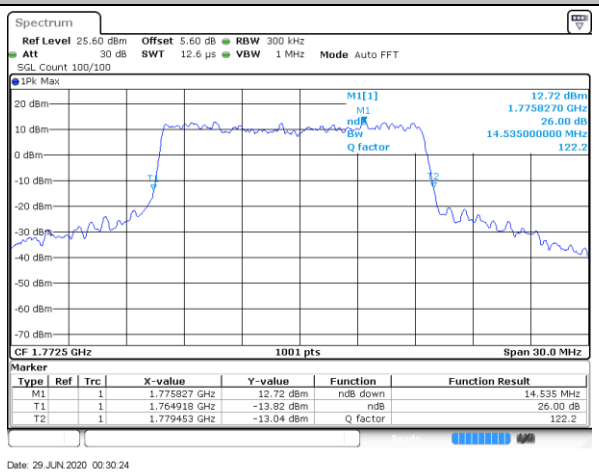
Lowest Channel



Middle Channel

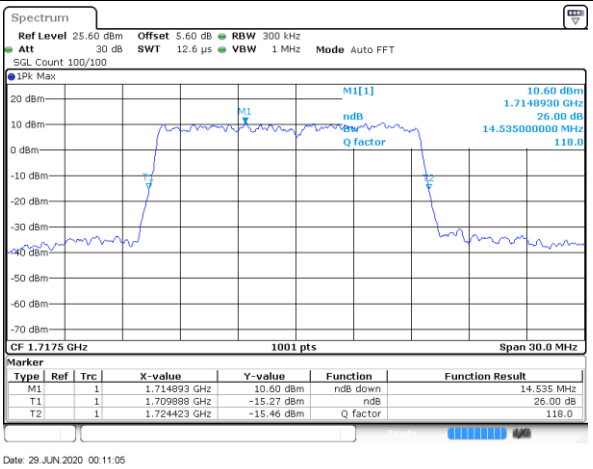


Highest Channel

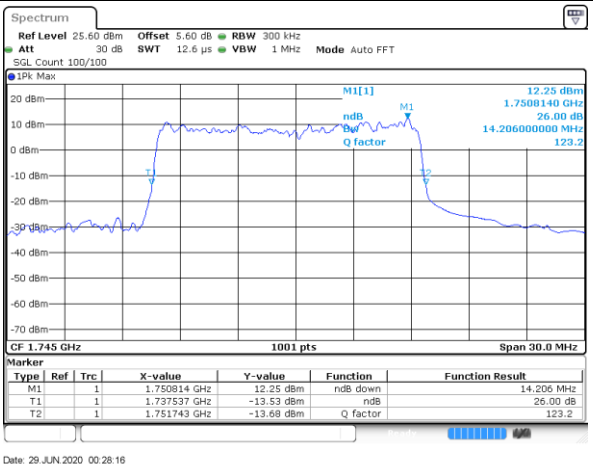


256QAM

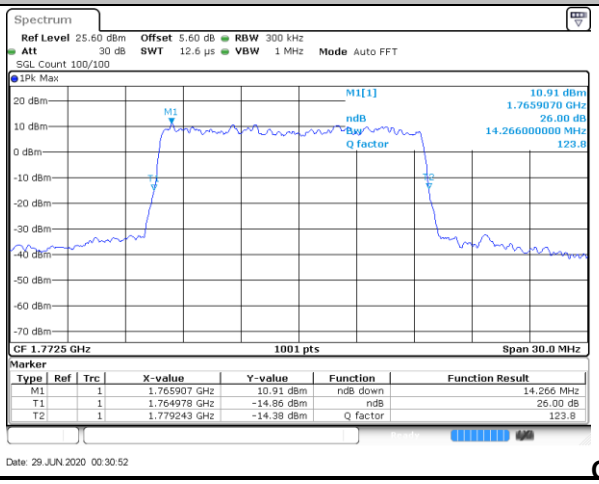
Lowest Channel



Middle Channel



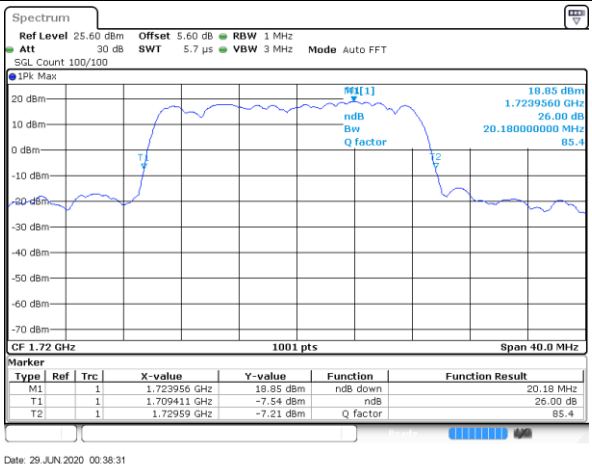
Highest Channel



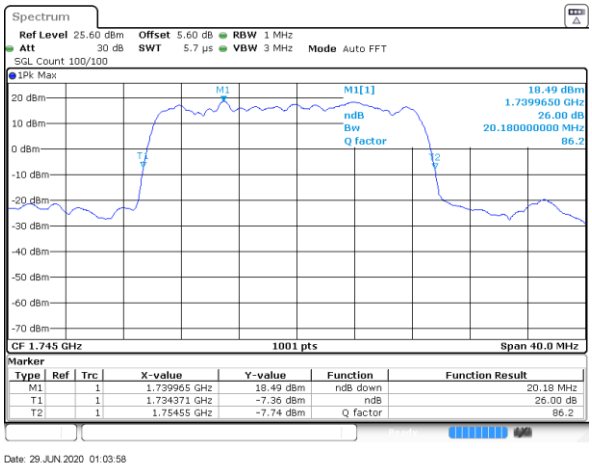
5G NR n66 / 20MHz / DFT-S OFDM

PI / BPSK

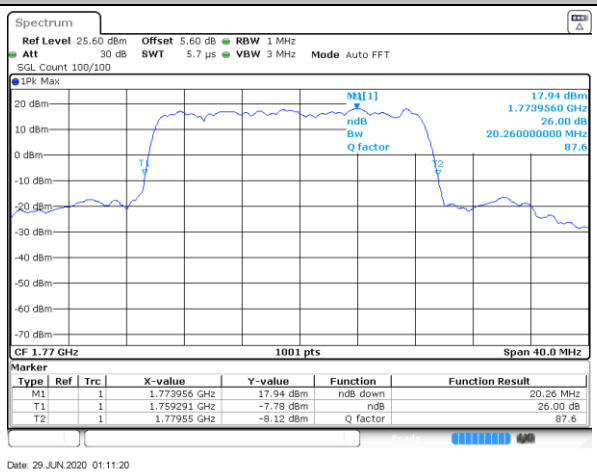
Lowest Channel



Middle Channel



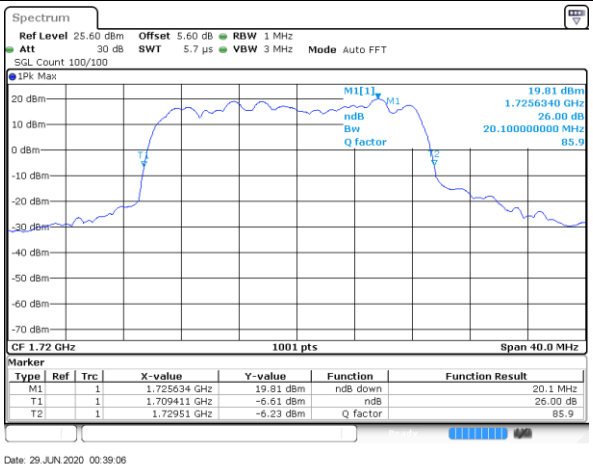
Highest Channel



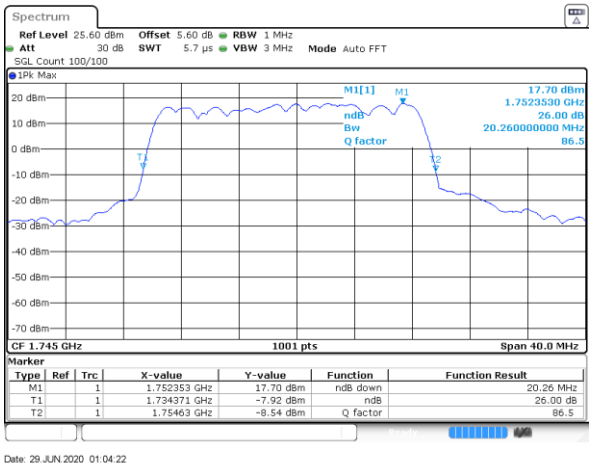
5G NR n66 / 20MHz / DFT-S OFDM

QPSK

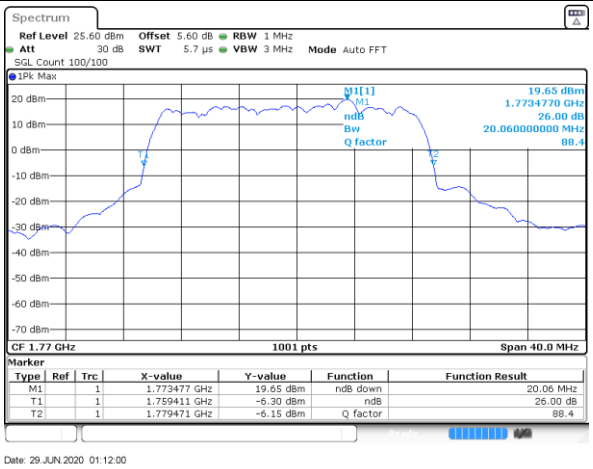
Lowest Channel



Middle Channel

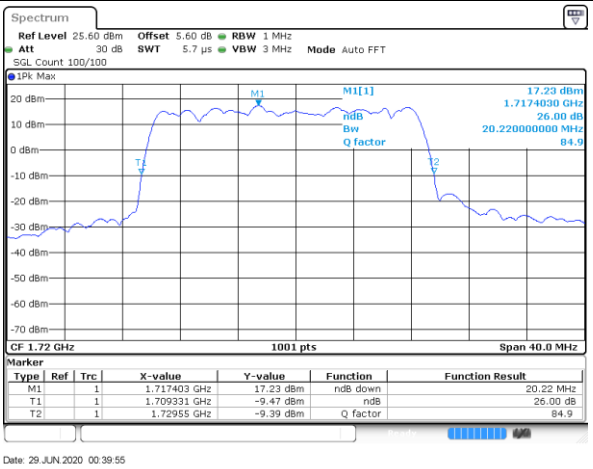


Highest Channel

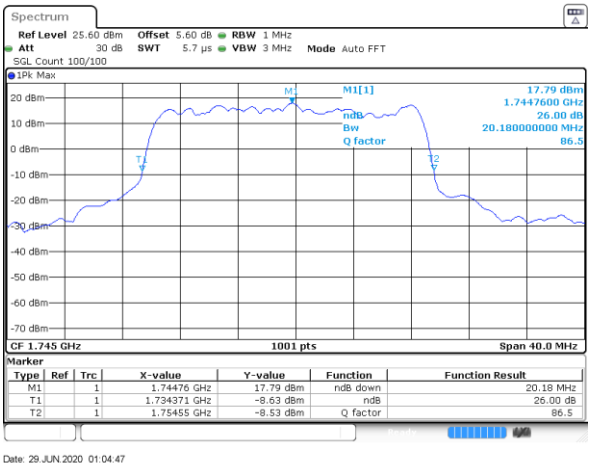


16QAM

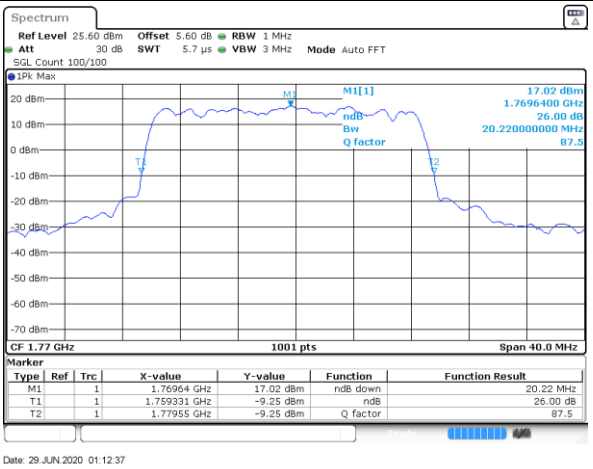
Lowest Channel



Middle Channel



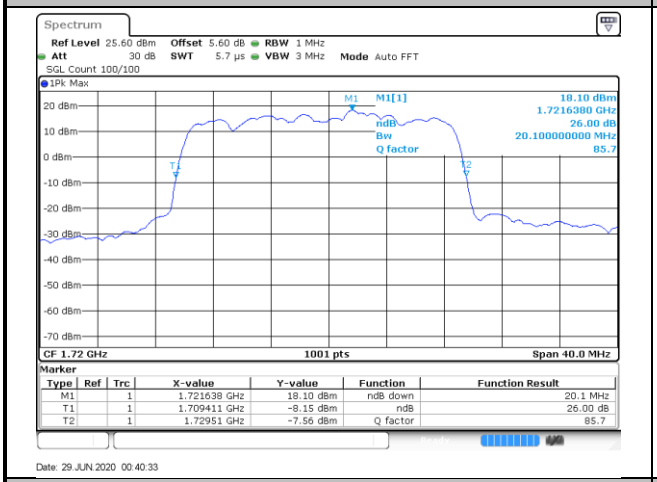
Highest Channel



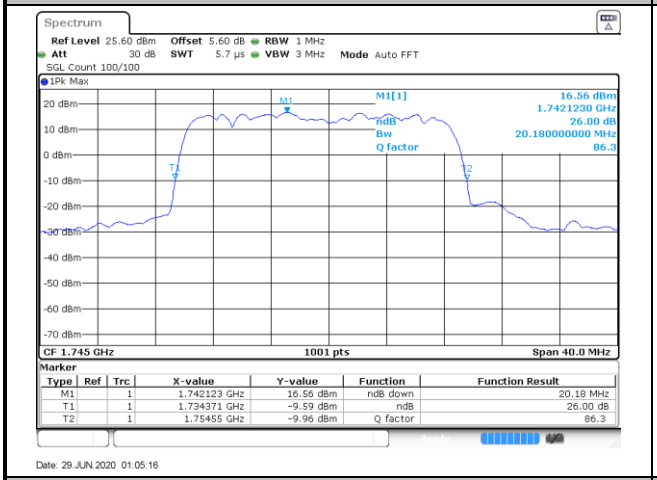
5G NR n66 / 20MHz / DFT-S OFDM

64QAM

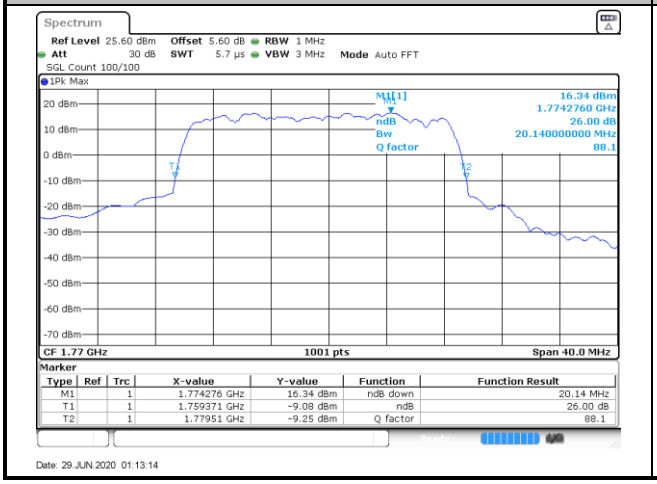
Lowest Channel



Middle Channel

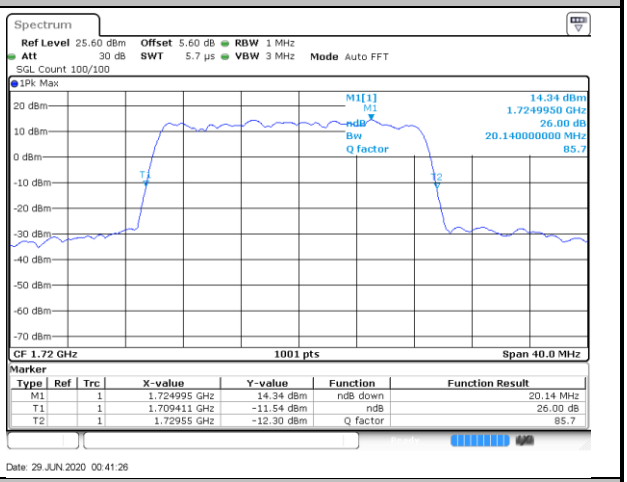


Highest Channel

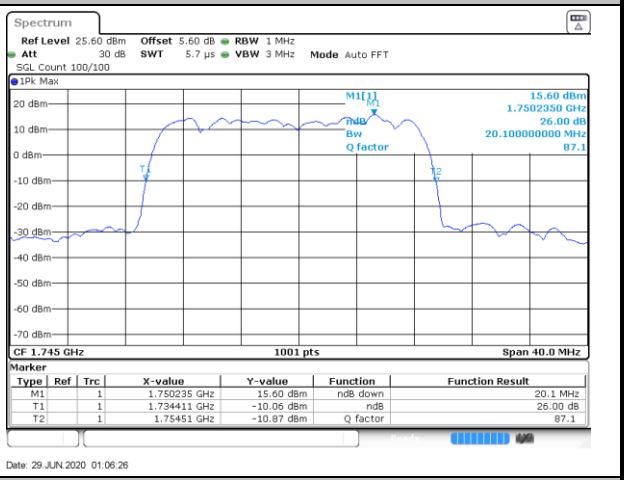


256QAM

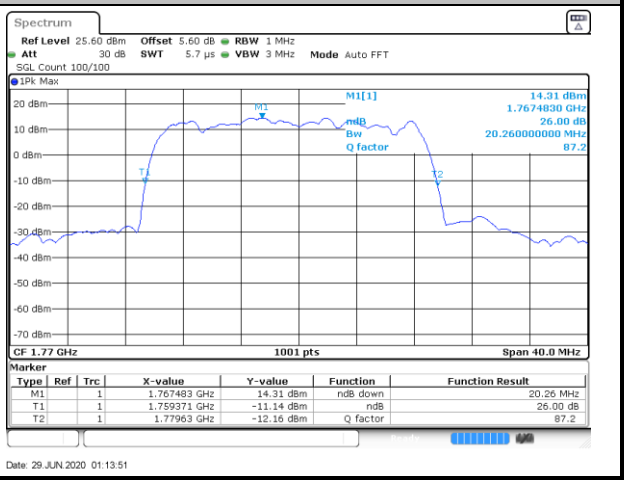
Lowest Channel



Middle Channel



Highest Channel



Occupied Bandwidth

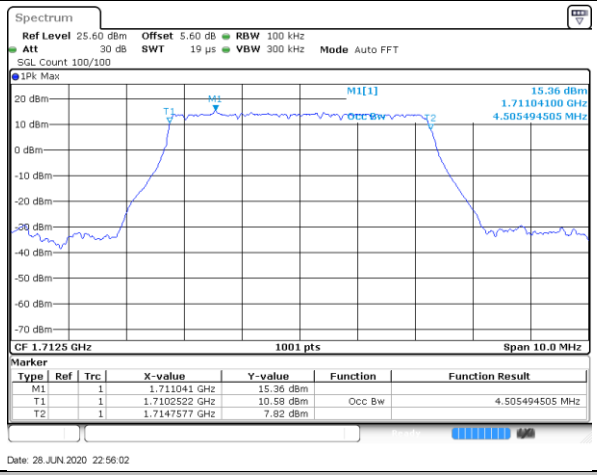
Mode	5G NR n66 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI / BPSK		PI / BPSK		PI / BPSK		PI / BPSK	
Lowest CH	4.51		9.09		13.49		18.38	
Middle CH	4.48		9.05		13.49		18.50	
Highest CH	4.50		9.03		13.52		18.38	

Mode	5G NR n66 : 99%OBW (MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.51	4.49	9.01	9.07	13.55	13.55	18.34	18.42
Middle CH	4.48	4.49	9.03	9.07	13.52	13.52	18.42	18.42
Highest CH	4.52	4.50	9.05	9.05	13.40	13.52	18.38	18.46
Mode	5G NR n66 : 99%OBW (MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	4.52	4.50	9.03	9.03	13.52	13.49	18.34	18.42
Middle CH	4.47	4.49	9.03	9.01	13.49	13.46	18.34	18.34
Highest CH	4.48	4.51	9.05	9.05	13.49	13.43	18.34	18.30

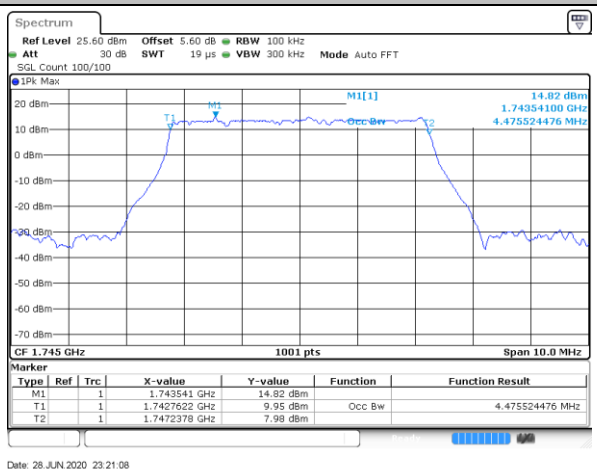
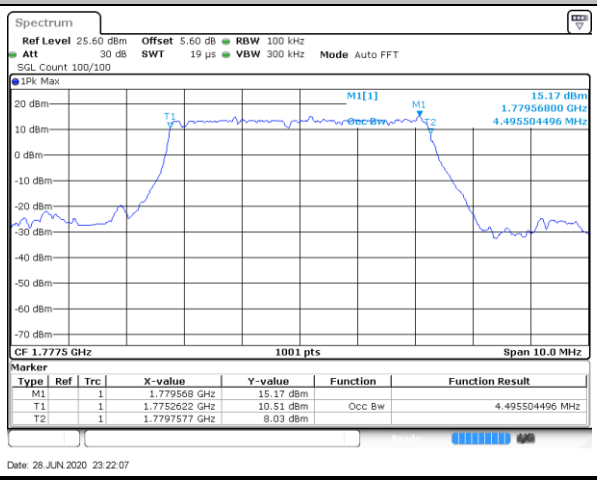
5G NR n66 / 5MHz / DFT-S OFDM

PI / BPSK

Lowest Channel



Middle Channel



Highest Channel