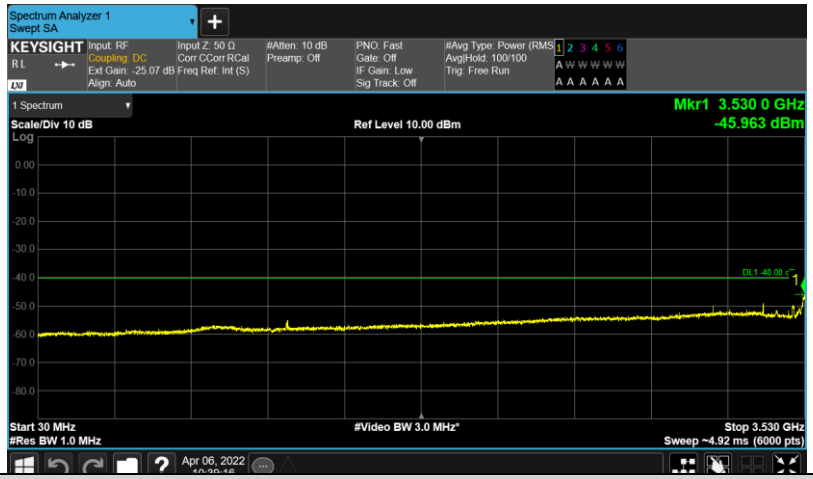
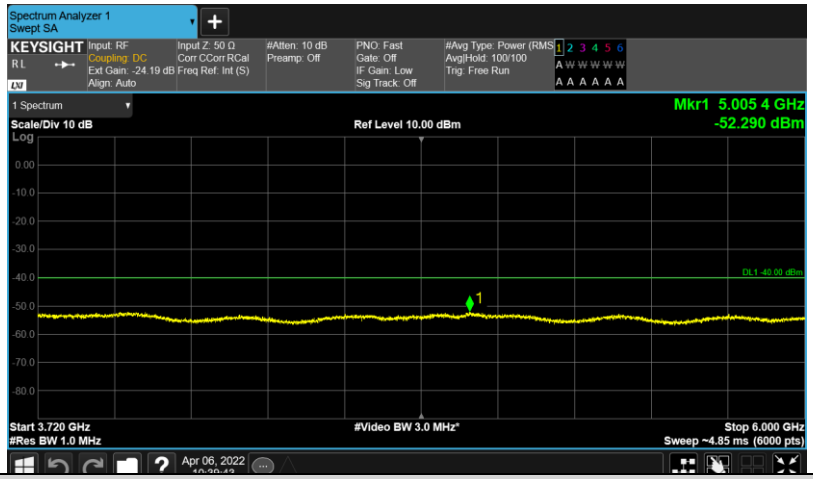
Test Graphs

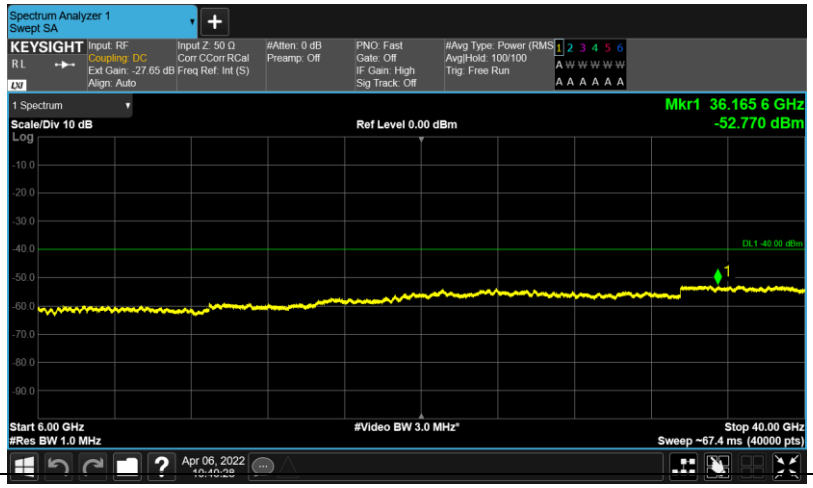
Band48-10MHz-64QAM-55290-E-TM3.1-30-3530



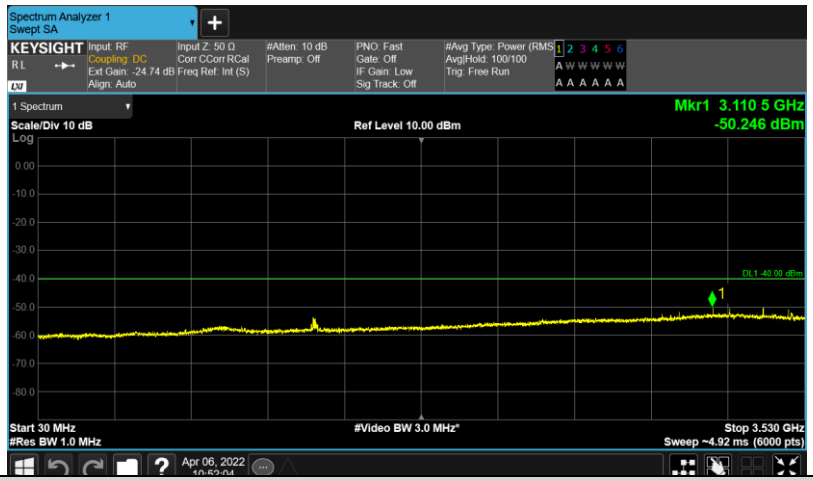
Band48-10MHz-64QAM-55290-E-TM3.1-3720-6000



Band48-10MHz-64QAM-55290-E-TM3.1-6000-40000



Band48-10MHz-64QAM-55990-E-TM3.1-30-3530



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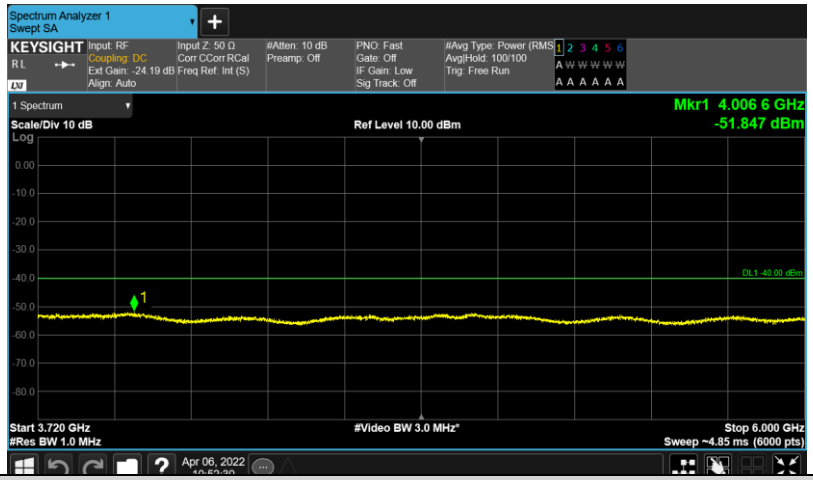

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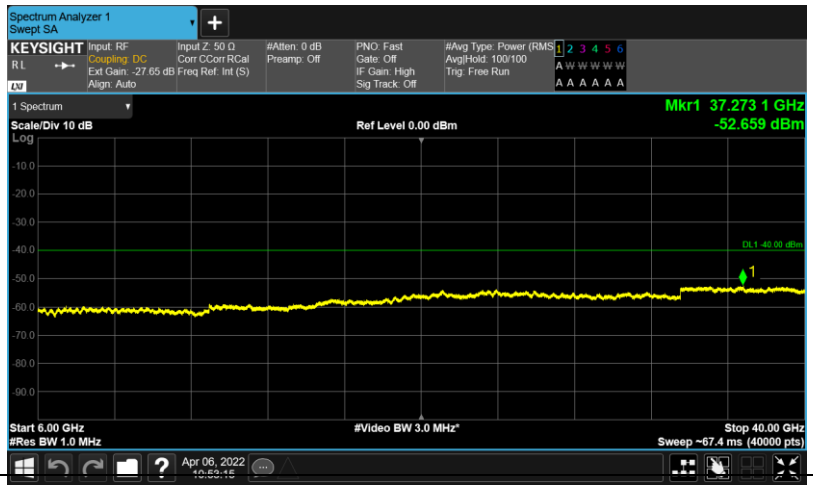
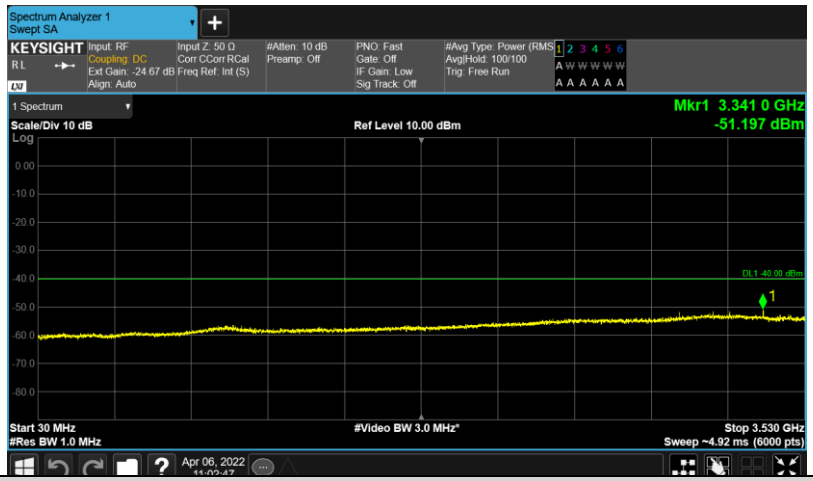
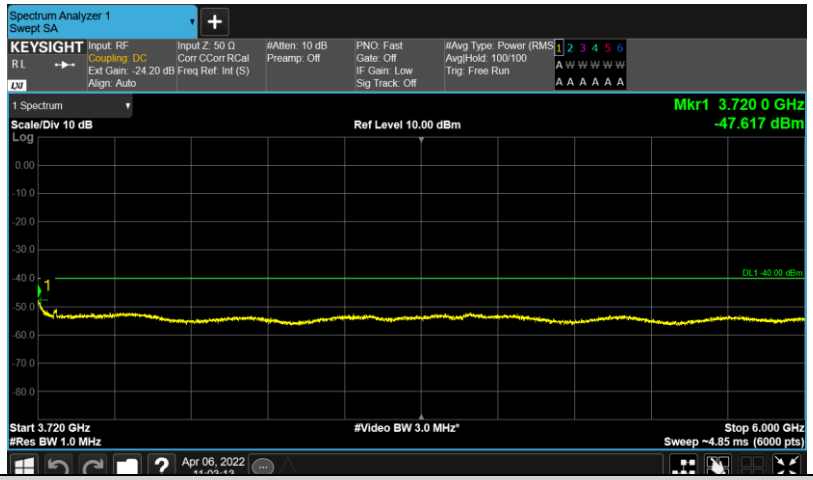


Band48-10MHz-64QAM-56690-E-TM3.1-30-3530



Band48-10MHz-64QAM-56690-E-TM3.1-3720-6000



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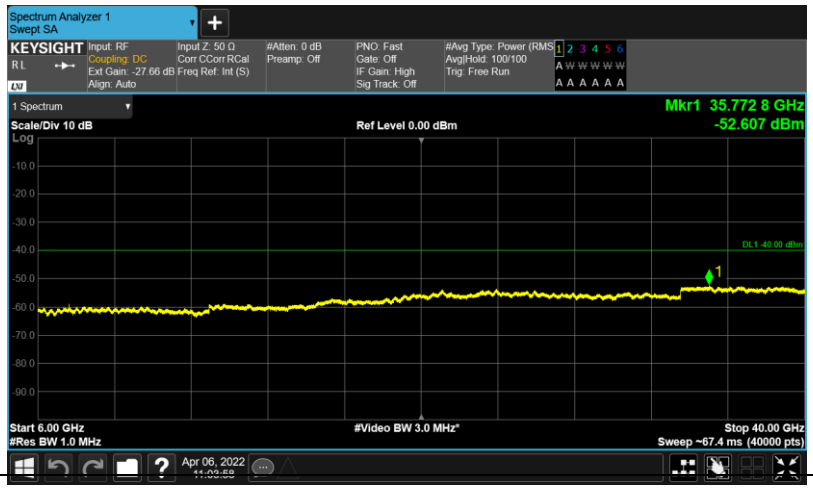
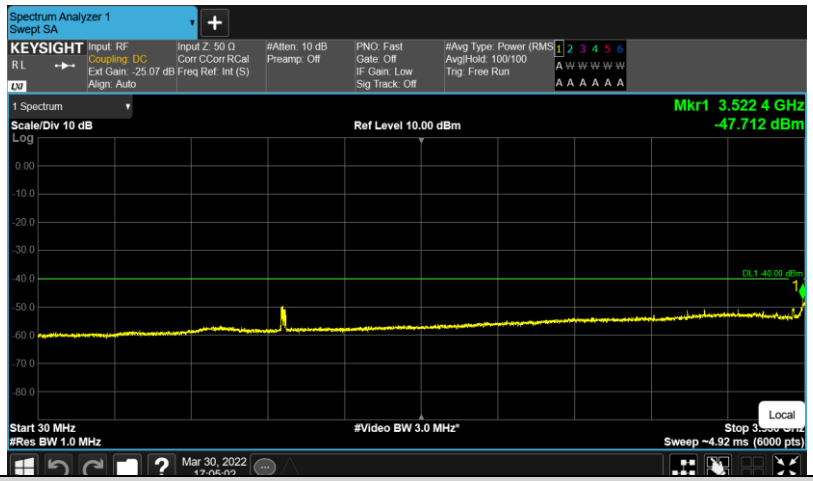


Band48-10MHz-QPSK-55290-E-TM1.1-30-3530



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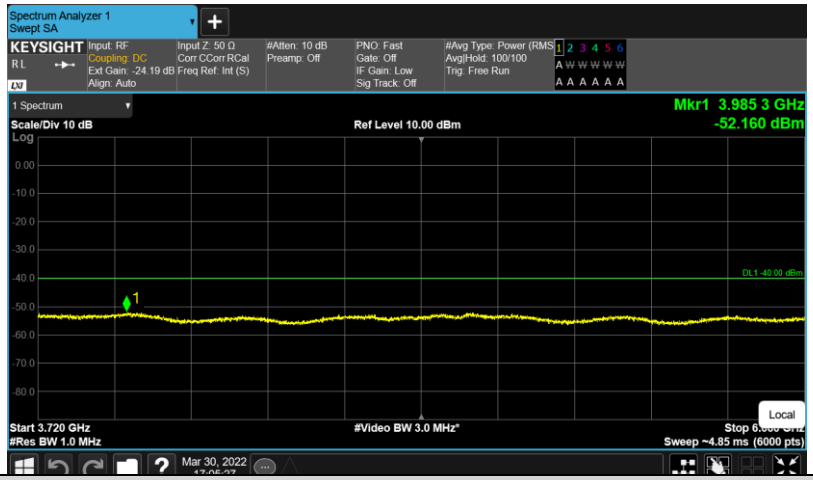

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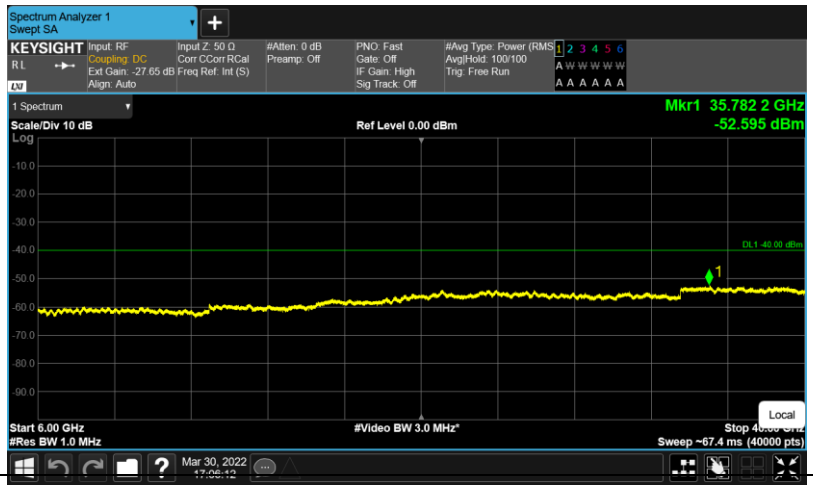
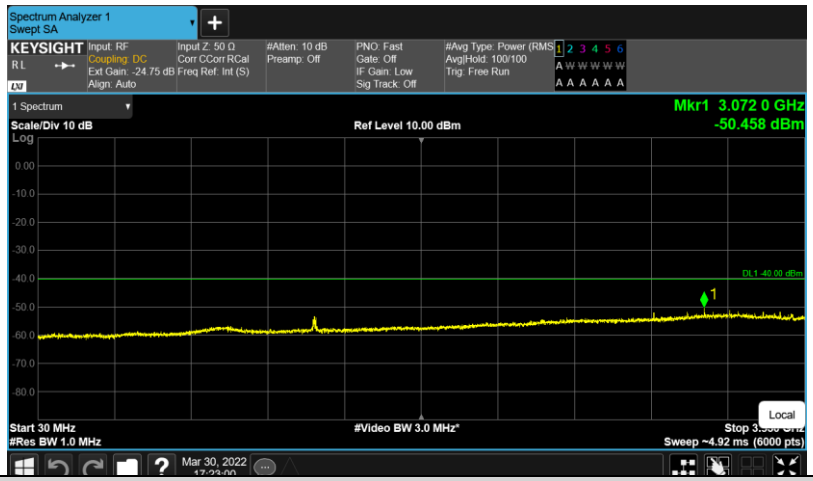
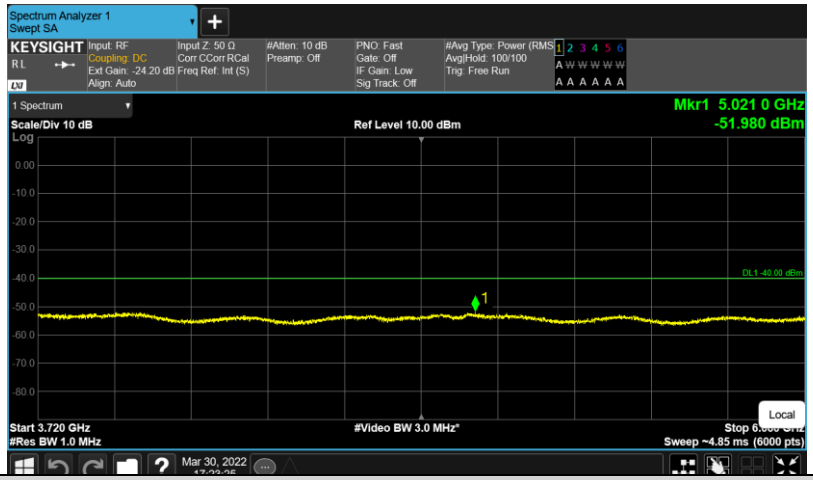


Band48-10MHz-QPSK-55990-E-TM1.1-30-3530



Band48-10MHz-QPSK-55990-E-TM1.1-3720-6000



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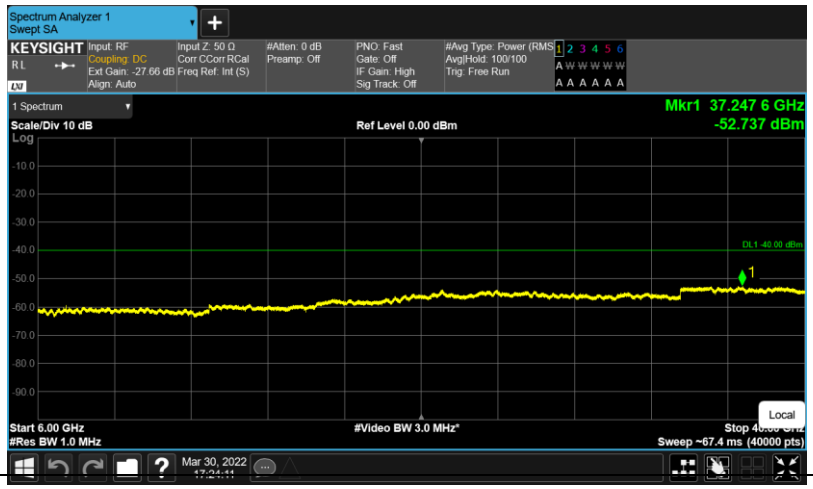

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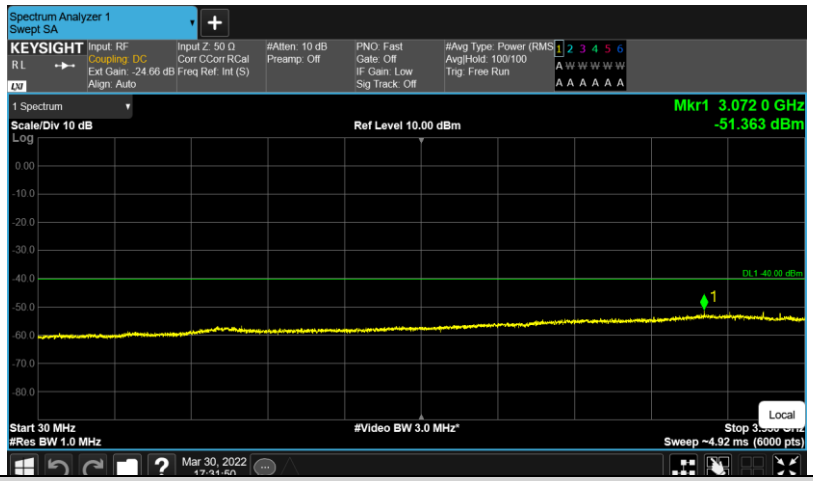

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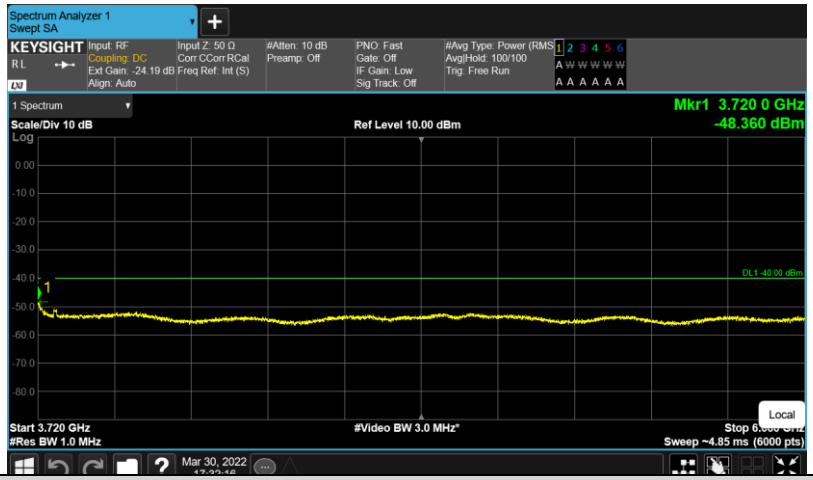

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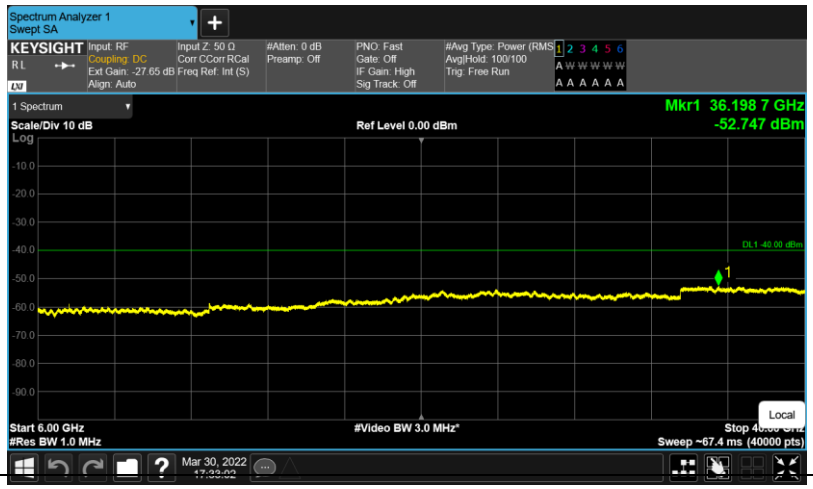
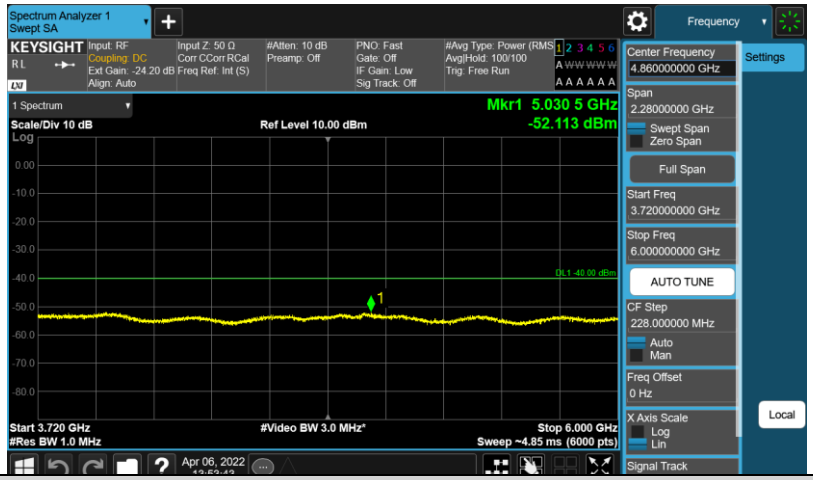


Band48-20MHz-64QAM-55340-E-TM3.1-30-3530

Band48-20MHz-64QAM-55340-E-TM3.1-3720-6000



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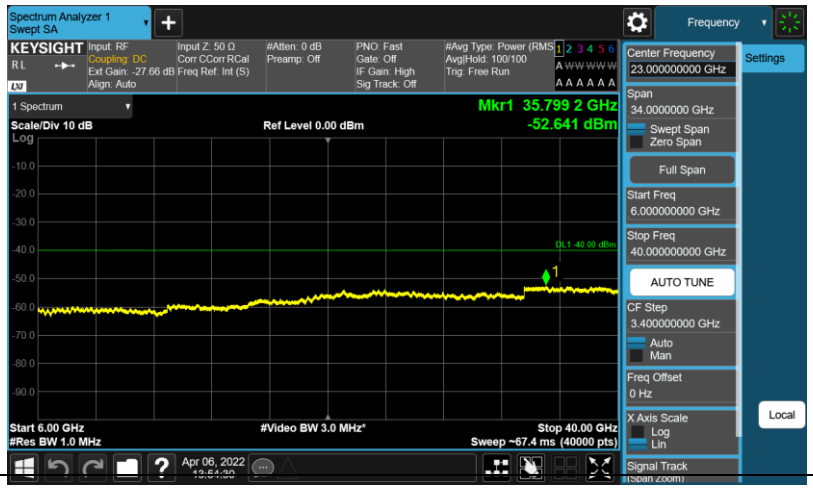

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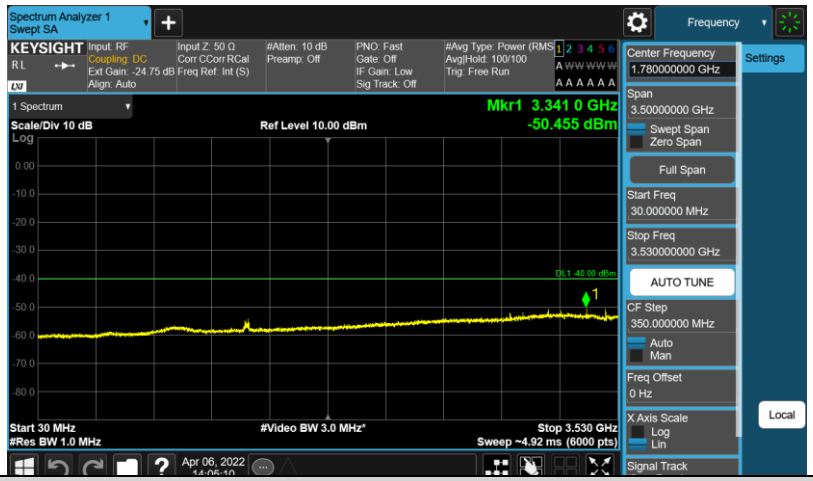

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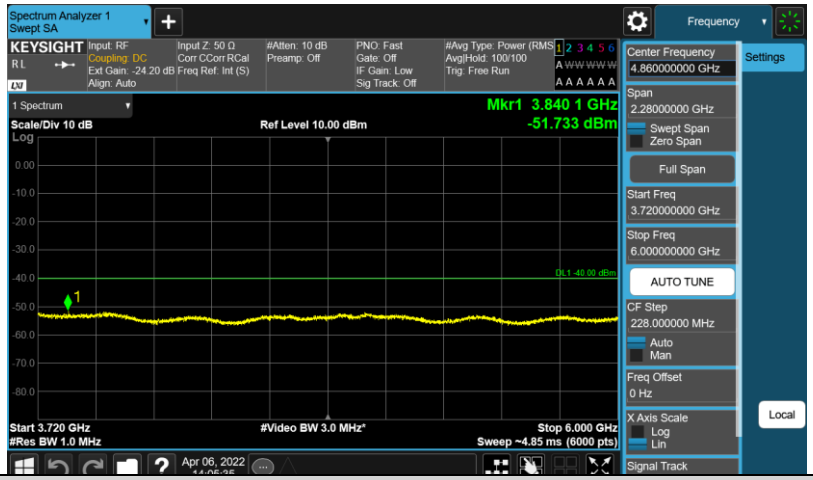

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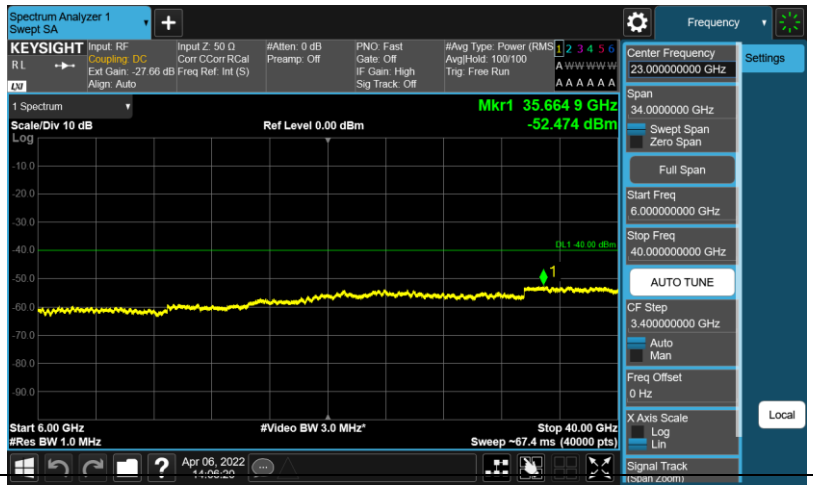
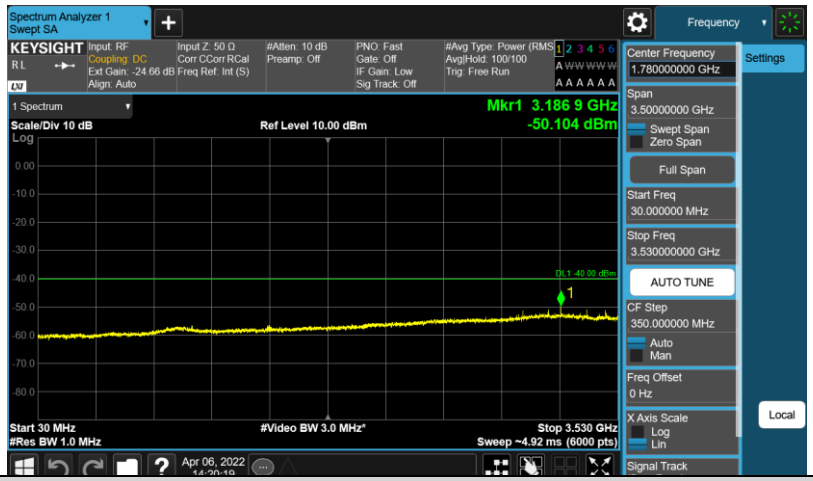


Band48-20MHz-64QAM-56640-E-TM3.1-30-3530



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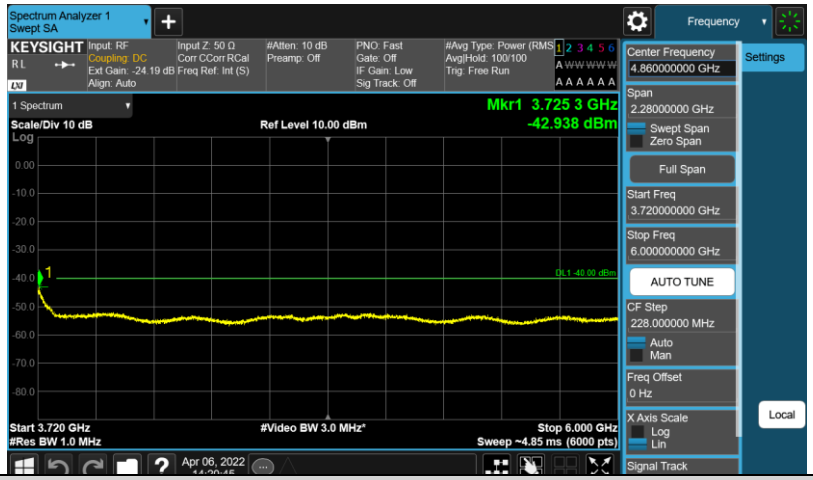

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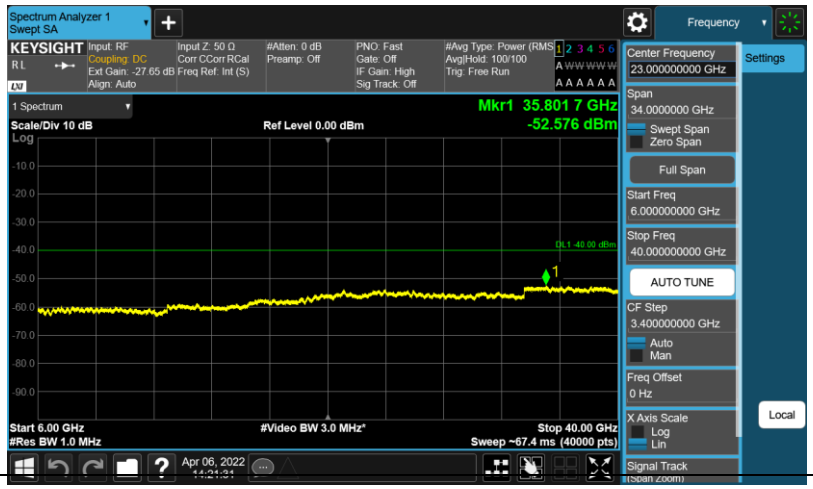
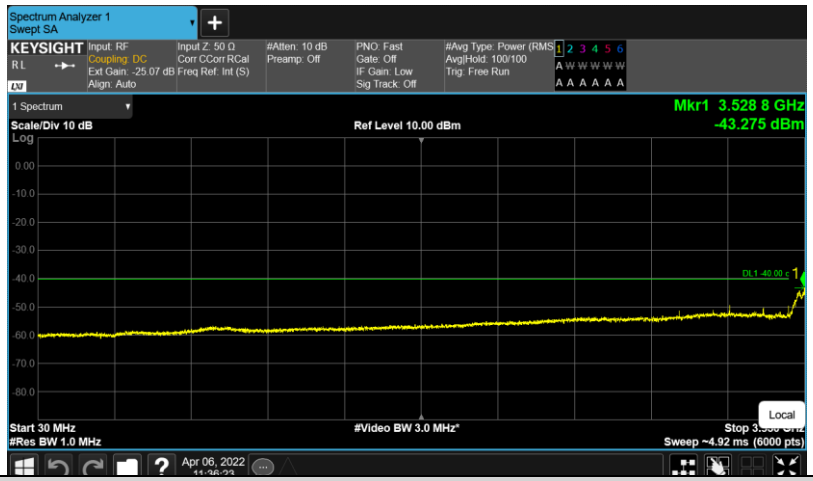
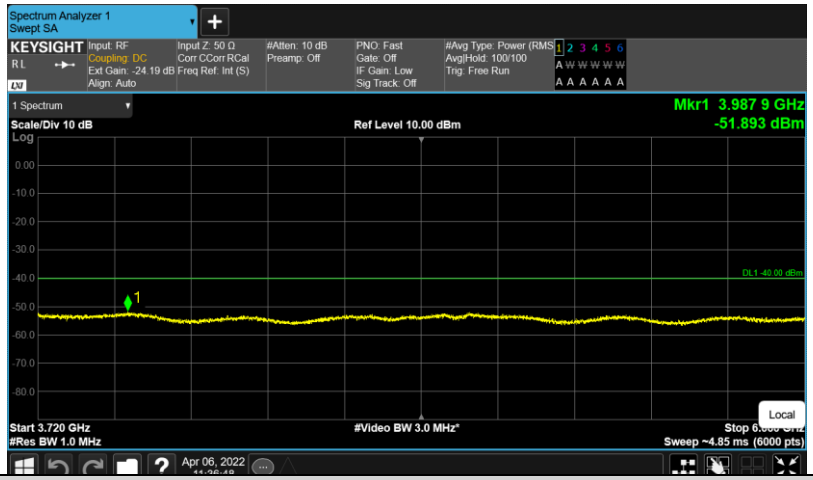


Band48-20MHz-QPSK-55340-E-TM1.1-30-3530



Band48-20MHz-QPSK-55340-E-TM1.1-3720-6000



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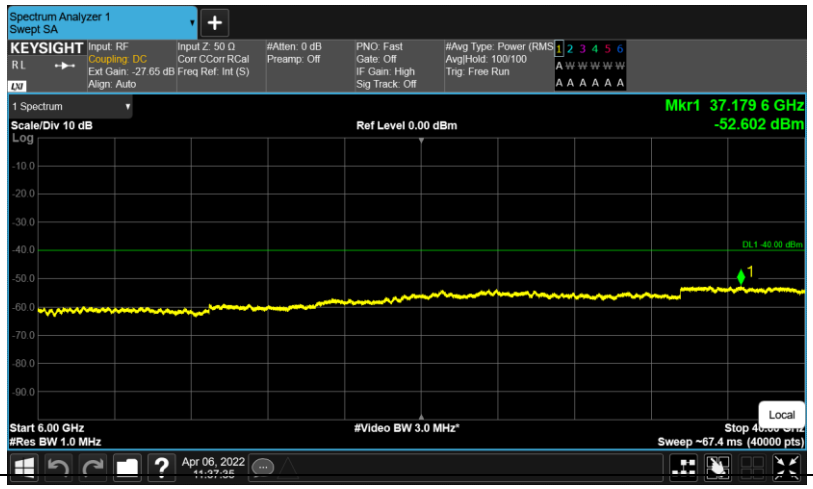
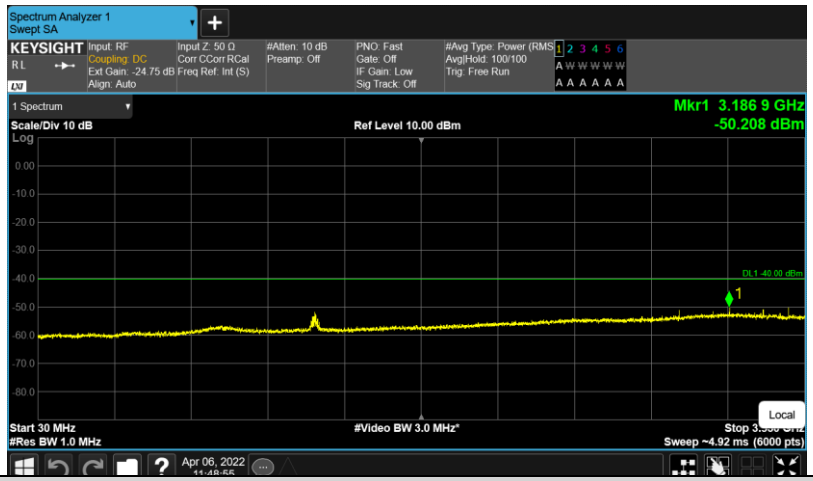


Band48-20MHz-QPSK-55990-E-TM1.1-30-3530



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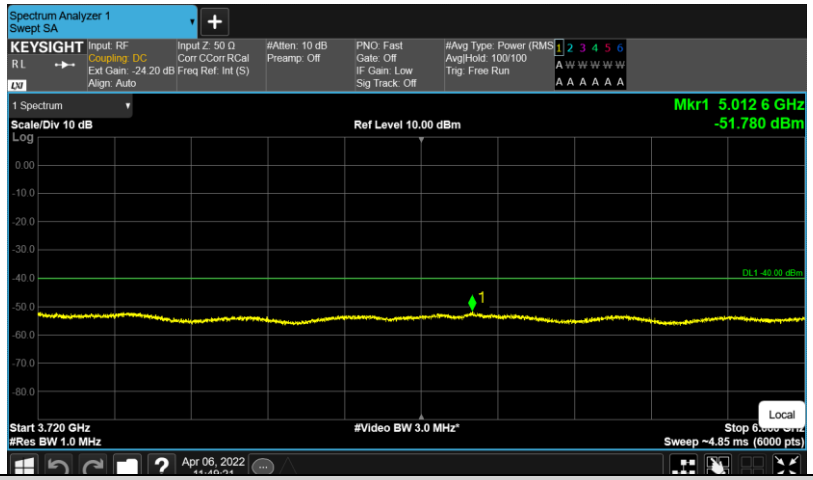
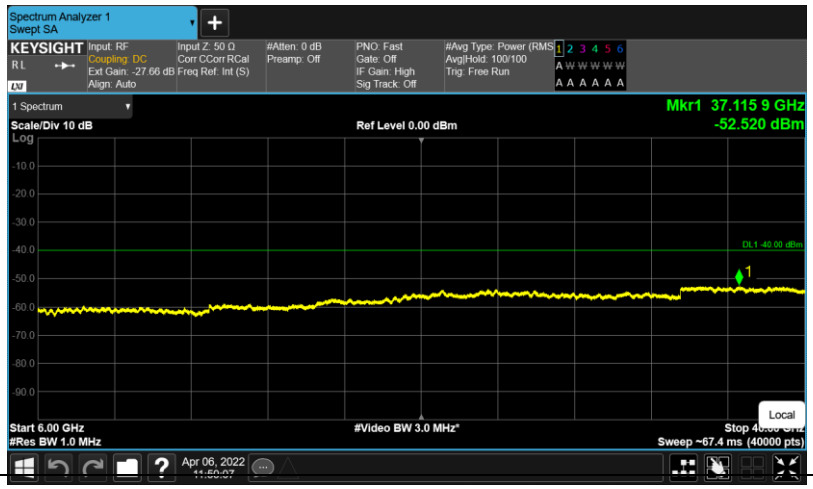
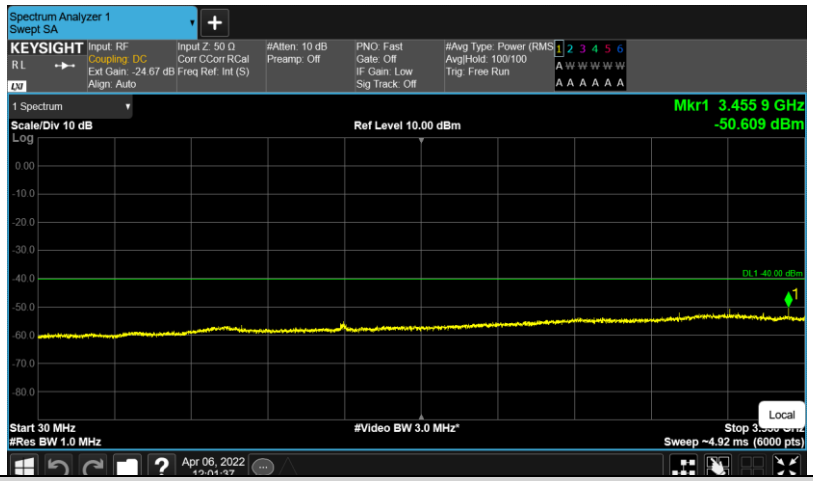


Band48-20MHz-QPSK-55990-E-TM1.1-6000-40000



Band48-20MHz-QPSK-56640-E-TM1.1-30-3530



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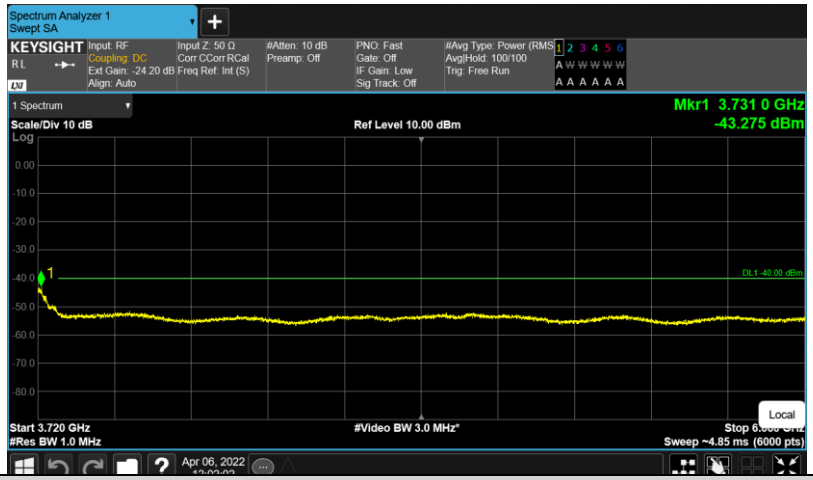
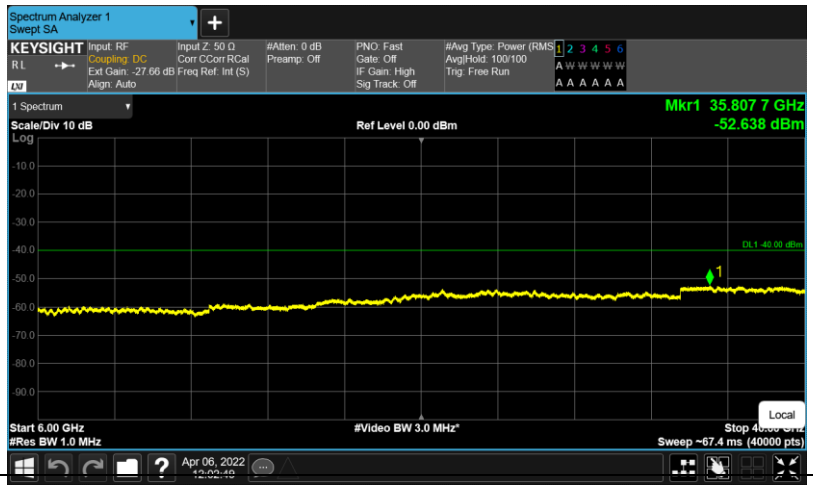


Band48-20MHz-QPSK-56640-E-TM1.1-6000-40000



Antenna 1:

Appendix A: Conducted Output Power

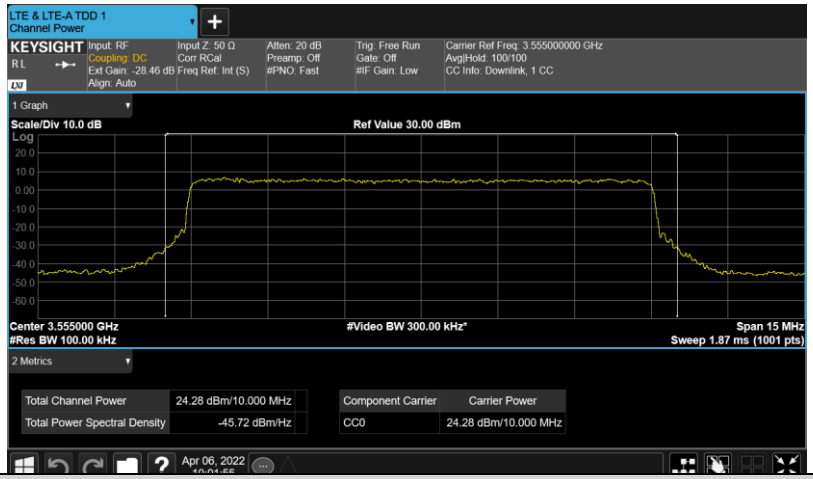
Test Result

Band	Bandwidth	Modulation	Channel	Mode	Power (dBm/10MHz)
Band48	10MHz	64QAM	55290	E-TM3.1	24.28
Band48	10MHz	64QAM	55990	E-TM3.1	23.29
Band48	10MHz	64QAM	56690	E-TM3.1	22.97
Band48	10MHz	QPSK	55290	E-TM1.1	23.90
Band48	10MHz	QPSK	55990	E-TM1.1	23.12
Band48	10MHz	QPSK	56690	E-TM1.1	22.80
Band48	20MHz	64QAM	55340	E-TM3.1	21.37
Band48	20MHz	64QAM	55990	E-TM3.1	20.83
Band48	20MHz	64QAM	56640	E-TM3.1	20.59
Band48	20MHz	QPSK	55340	E-TM1.1	21.32
Band48	20MHz	QPSK	55990	E-TM1.1	20.71
Band48	20MHz	QPSK	56640	E-TM1.1	20.53

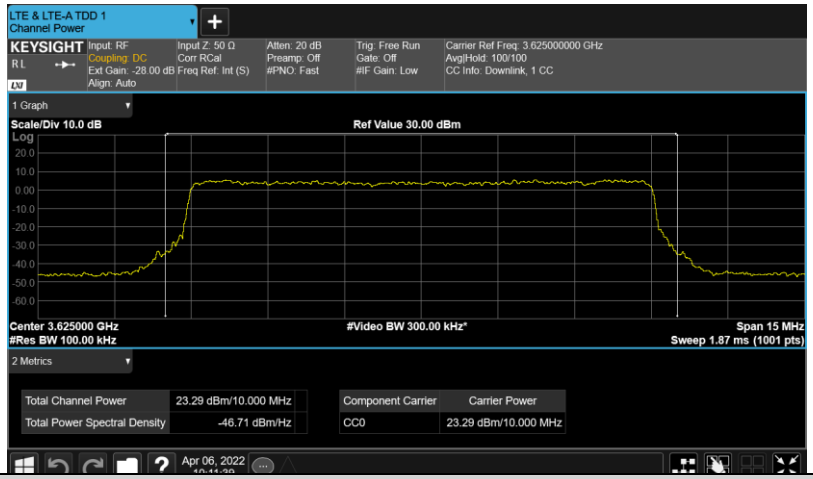
Band	Bandwidth	Modulation	Channel	Mode	Power (dBm/20MHz)
Band48	20MHz	64QAM	55340	E-TM3.1	24.01
Band48	20MHz	64QAM	55990	E-TM3.1	23.57
Band48	20MHz	64QAM	56640	E-TM3.1	23.02
Band48	20MHz	QPSK	55340	E-TM1.1	23.88
Band48	20MHz	QPSK	55990	E-TM1.1	23.40
Band48	20MHz	QPSK	56640	E-TM1.1	23.09

Test Graphs

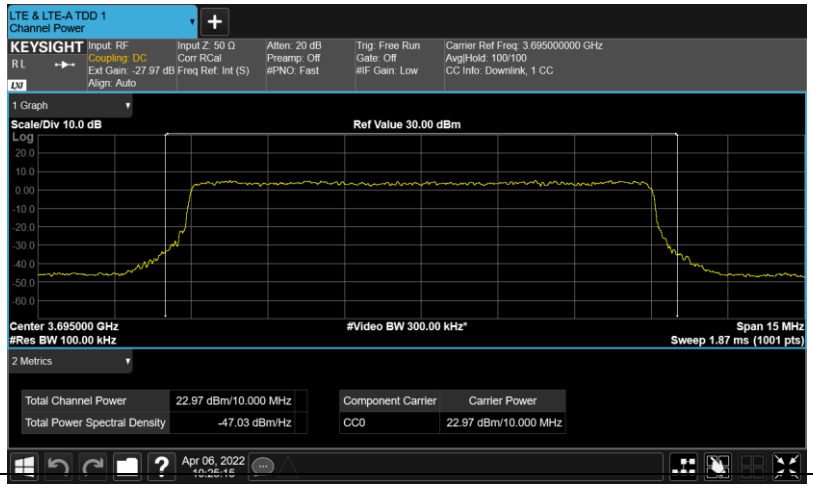
Band48-10MHz-64QAM-55290-E-TM3.1-10



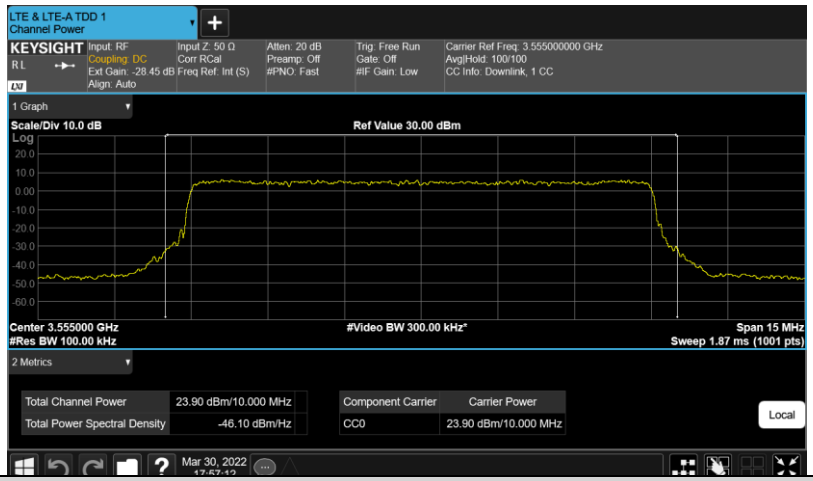
Band48-10MHz-64QAM-55990-E-TM3.1-10



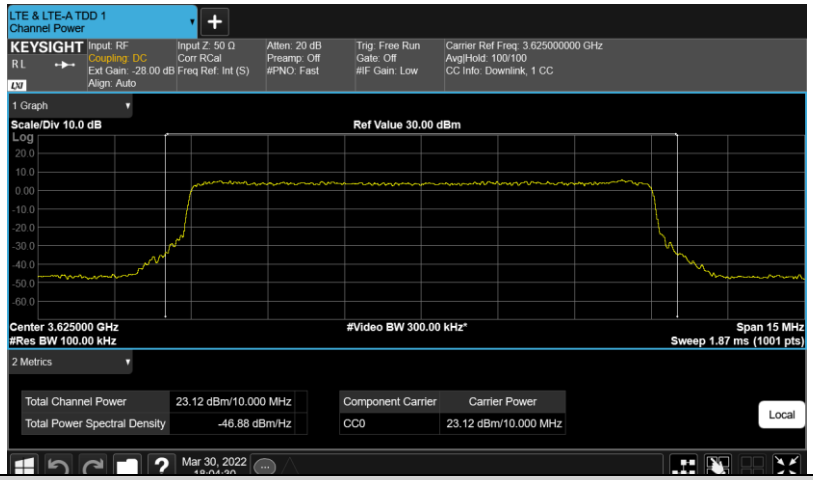
Band48-10MHz-64QAM-56690-E-TM3.1-10



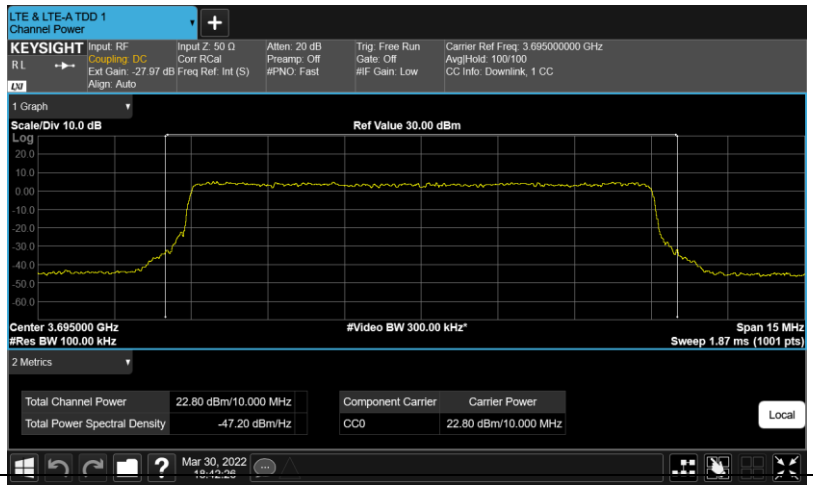
Band48-10MHz-QPSK-55290-E-TM1.1-10



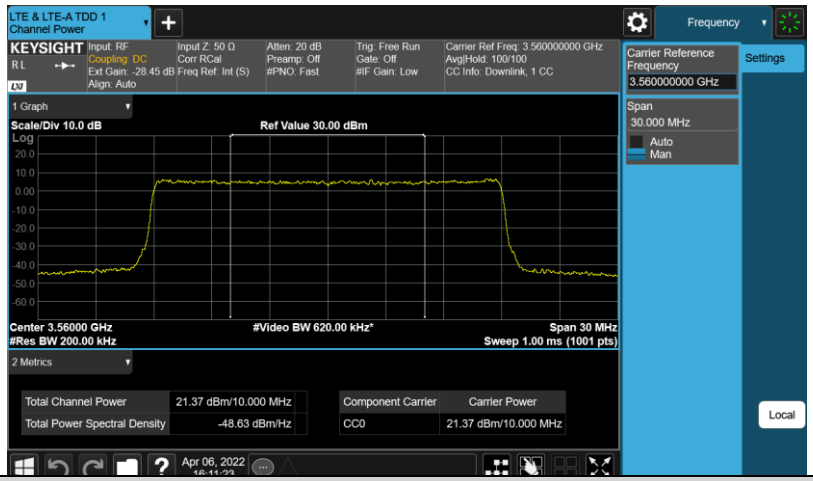
Band48-10MHz-QPSK-55990-E-TM1.1-10



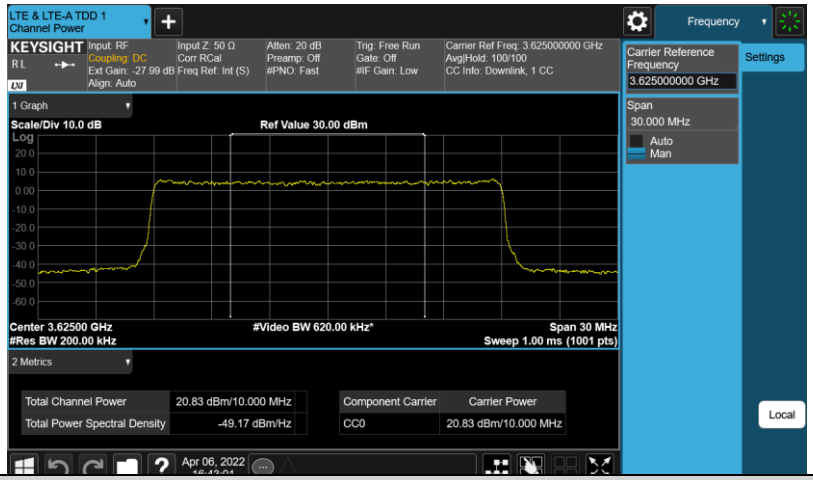
Band48-10MHz-QPSK-56690-E-TM1.1-10



Band48-20MHz-64QAM-55340-E-TM3.1-10

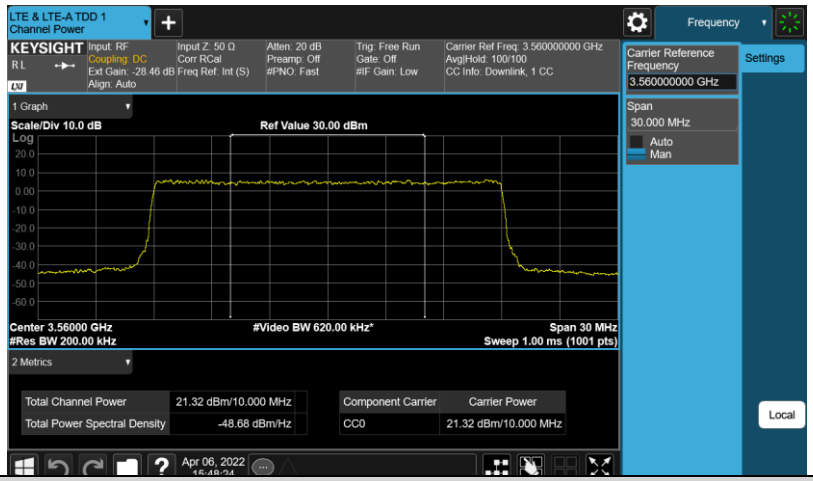


Band48-20MHz-64QAM-55990-E-TM3.1-10

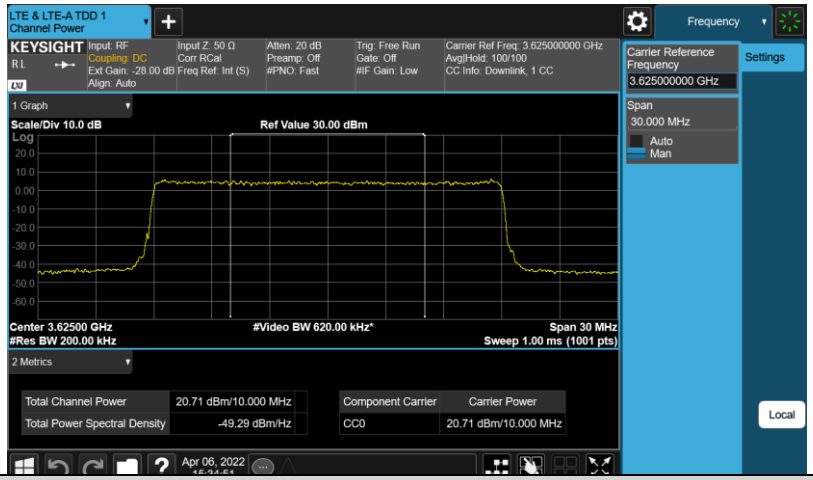


Band48-20MHz-64QAM-56640-E-TM3.1-10

Band48-20MHz-QPSK-55340-E-TM1.1-10

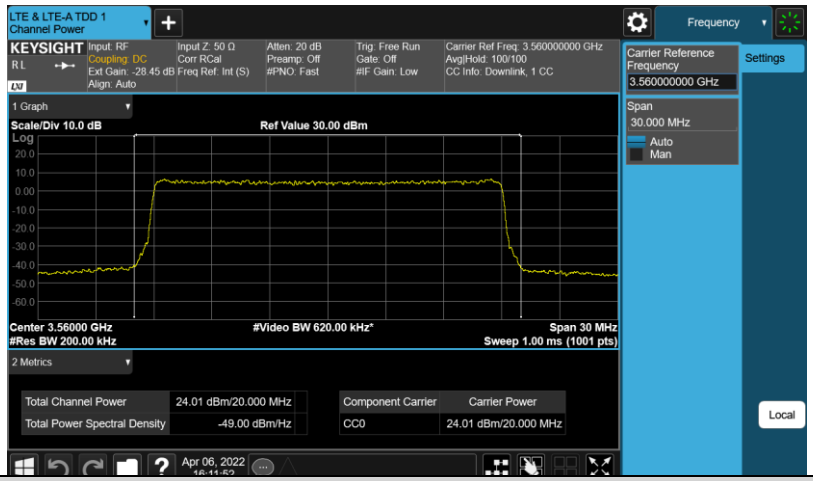


Band48-20MHz-QPSK-55990-E-TM1.1-10

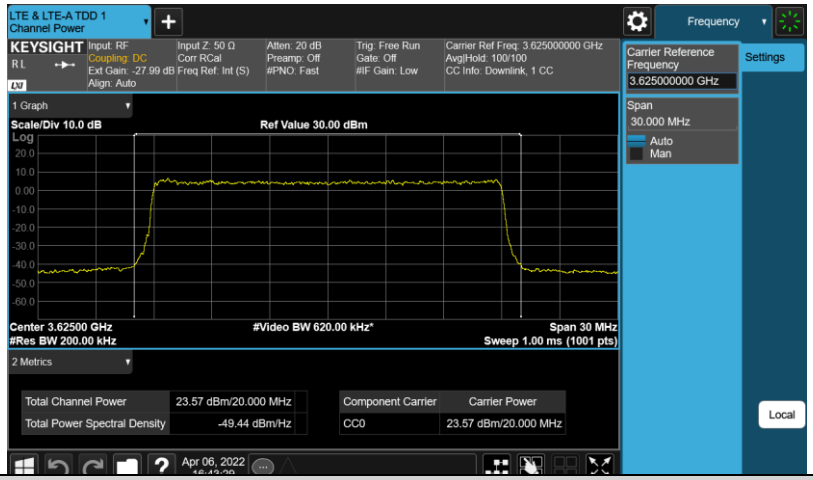


Band48-20MHz-QPSK-56640-E-TM1.1-10

Band48-20MHz-64QAM-55340-E-TM3.1-20

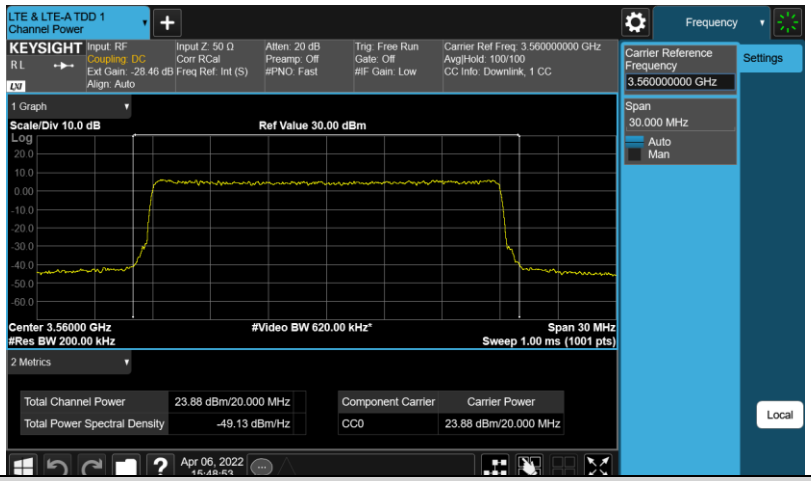


Band48-20MHz-64QAM-55990-E-TM3.1-20

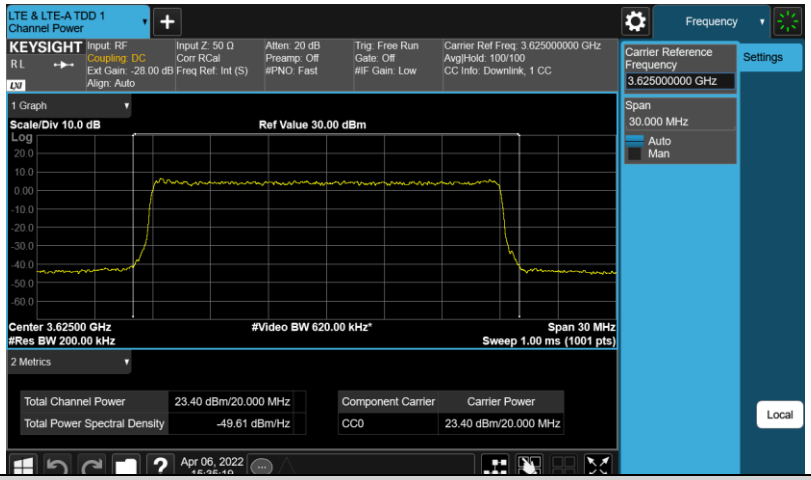


Band48-20MHz-64QAM-56640-E-TM3.1-20

Band48-20MHz-QPSK-55340-E-TM1.1-20



Band48-20MHz-QPSK-55990-E-TM1.1-20



Band48-20MHz-QPSK-56640-E-TM1.1-20

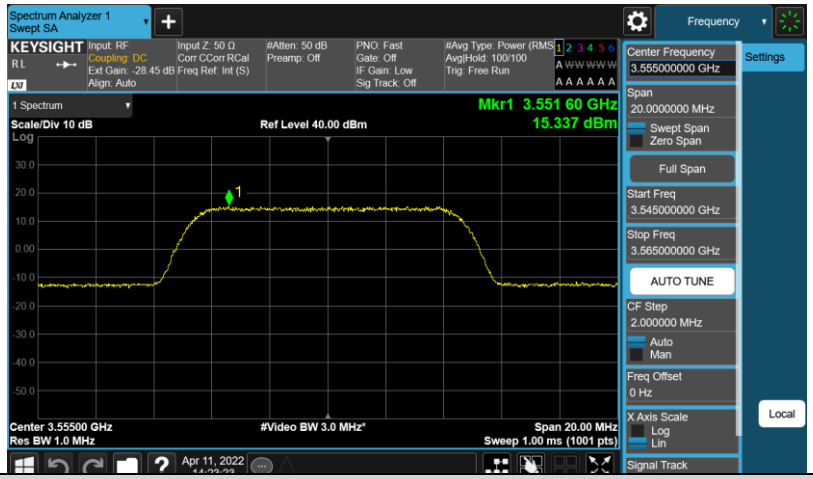
Appendix B: Power Spectral Density

Test Result

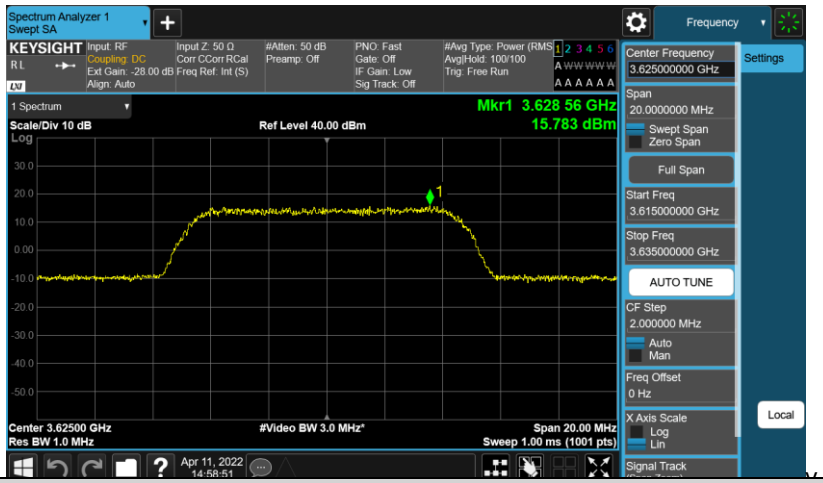
Band	Bandwidth	Modulation	Channel	Mode	PSD (dBm/MHz)
Band48	10MHz	64QAM	55290	E-TM3.1	15.34
Band48	10MHz	64QAM	55990	E-TM3.1	15.78
Band48	10MHz	64QAM	56690	E-TM3.1	15.80
Band48	10MHz	QPSK	55290	E-TM1.1	15.11
Band48	10MHz	QPSK	55990	E-TM1.1	15.67
Band48	10MHz	QPSK	56690	E-TM1.1	15.37
Band48	20MHz	64QAM	55340	E-TM3.1	12.69
Band48	20MHz	64QAM	55990	E-TM3.1	12.51
Band48	20MHz	64QAM	56640	E-TM3.1	13.12
Band48	20MHz	QPSK	55340	E-TM1.1	12.37
Band48	20MHz	QPSK	55990	E-TM1.1	12.46
Band48	20MHz	QPSK	56640	E-TM1.1	12.99

Test Graphs

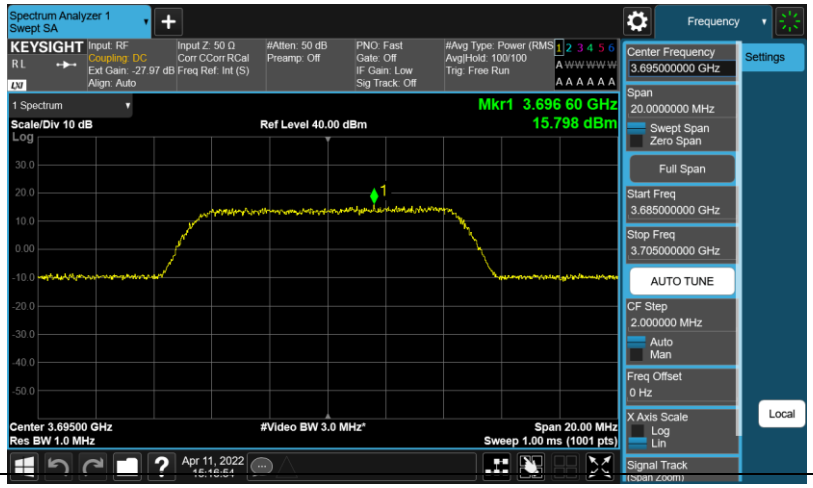
Band48-10MHz-64QAM-55290-E-TM3.1



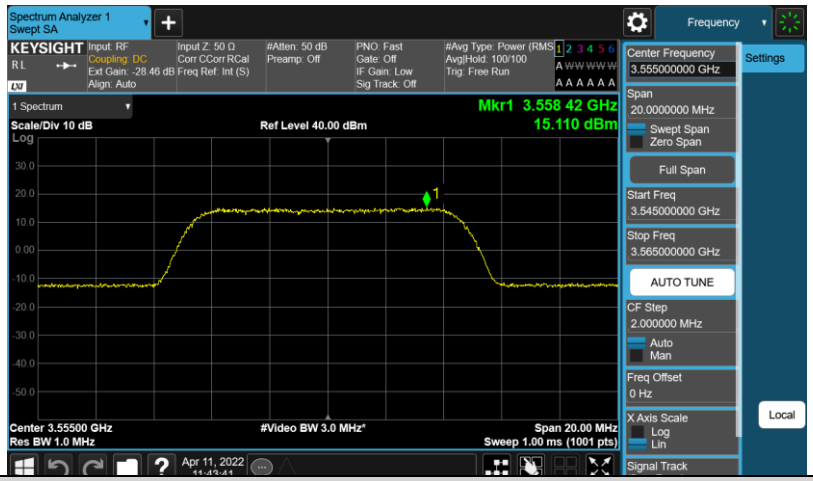
Band48-10MHz-64QAM-55990-E-TM3.1



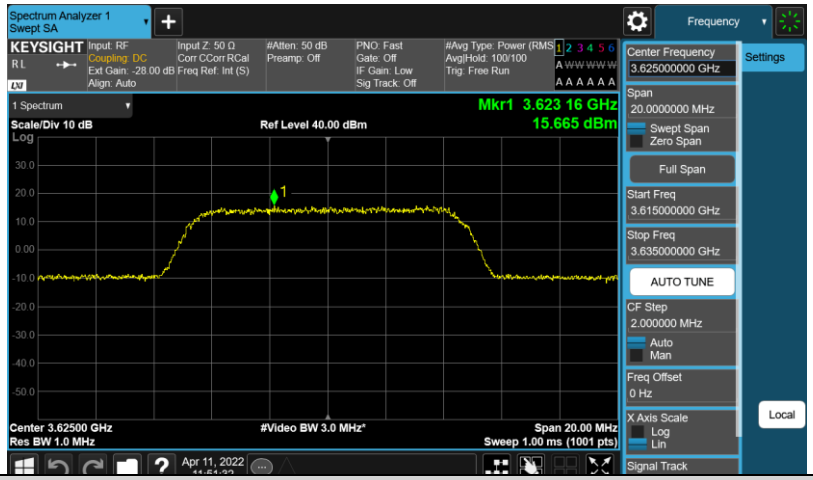
Band48-10MHz-64QAM-56690-E-TM3.1



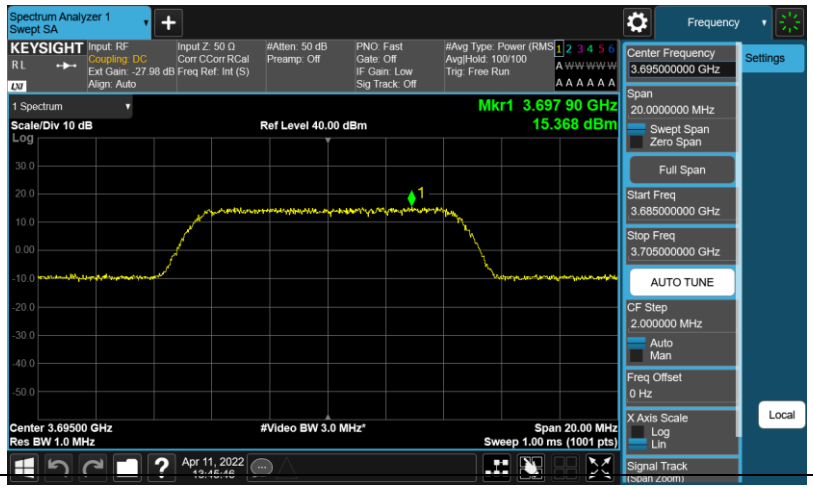
Band48-10MHz-QPSK-55290-E-TM1.1



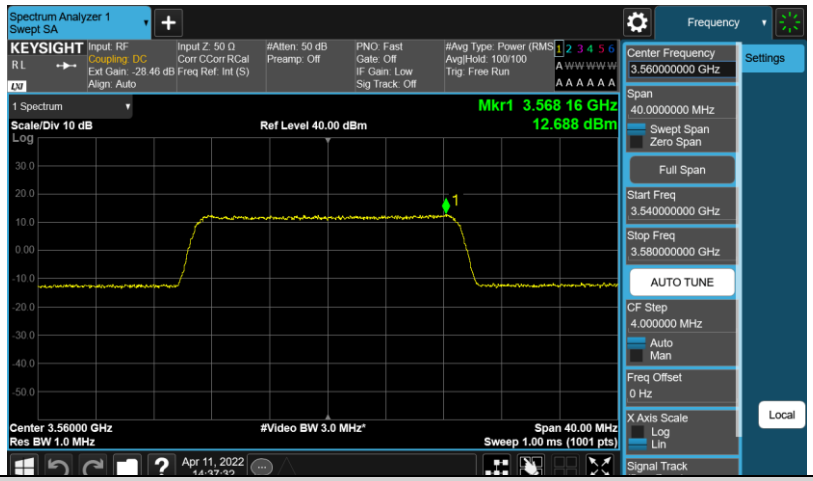
Band48-10MHz-QPSK-55990-E-TM1.1



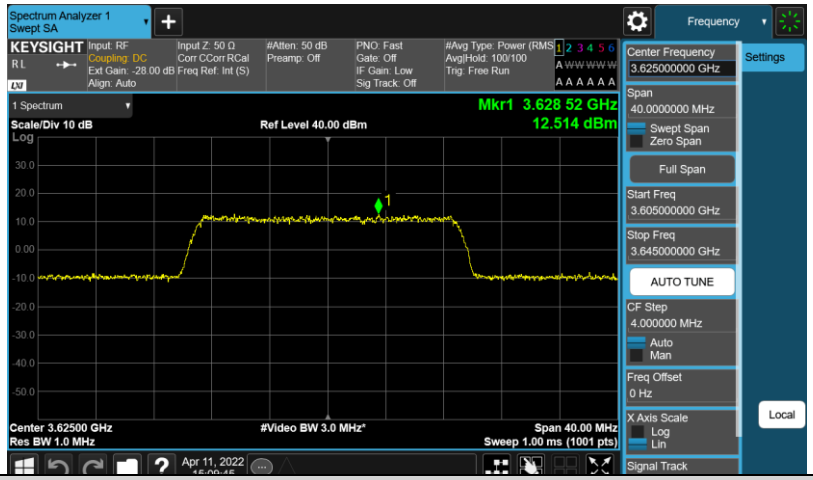
Band48-10MHz-QPSK-56690-E-TM1.1



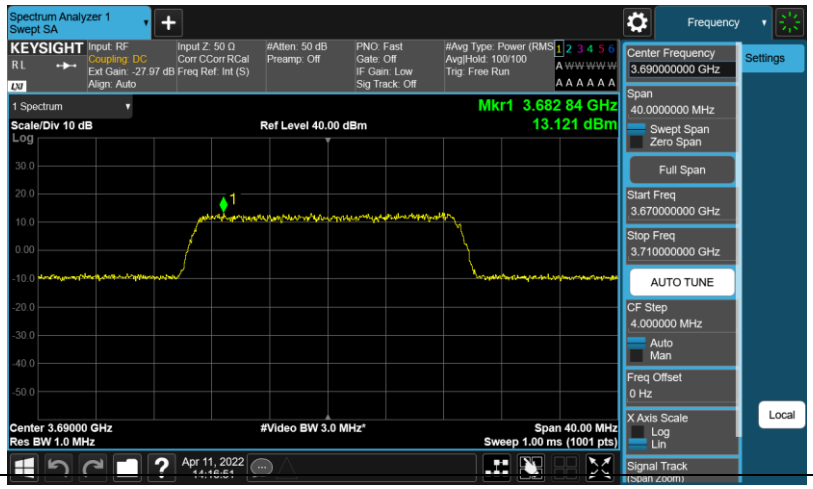
Band48-20MHz-64QAM-55340-E-TM3.1



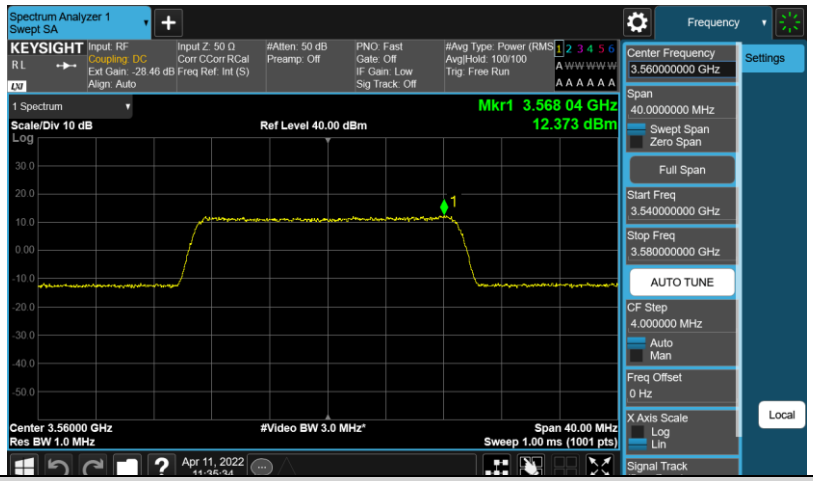
Band48-20MHz-64QAM-55990-E-TM3.1



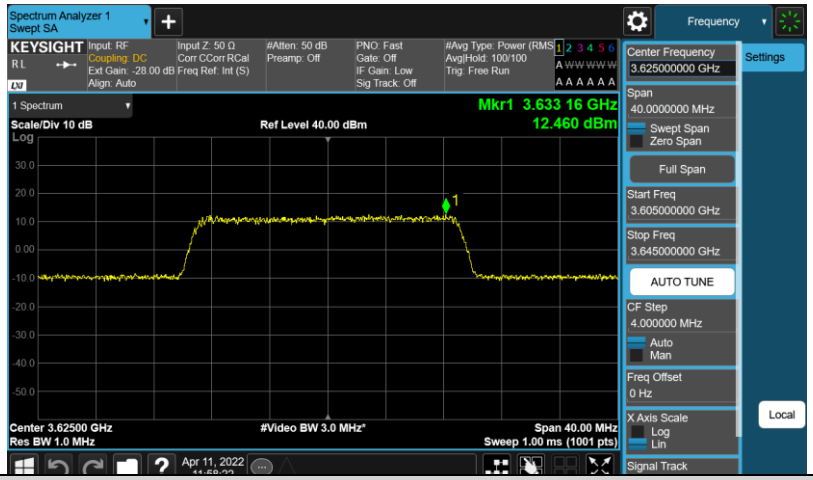
Band48-20MHz-64QAM-56640-E-TM3.1



Band48-20MHz-QPSK-55340-E-TM1.1



Band48-20MHz-QPSK-55990-E-TM1.1



Band48-20MHz-QPSK-56640-E-TM1.1

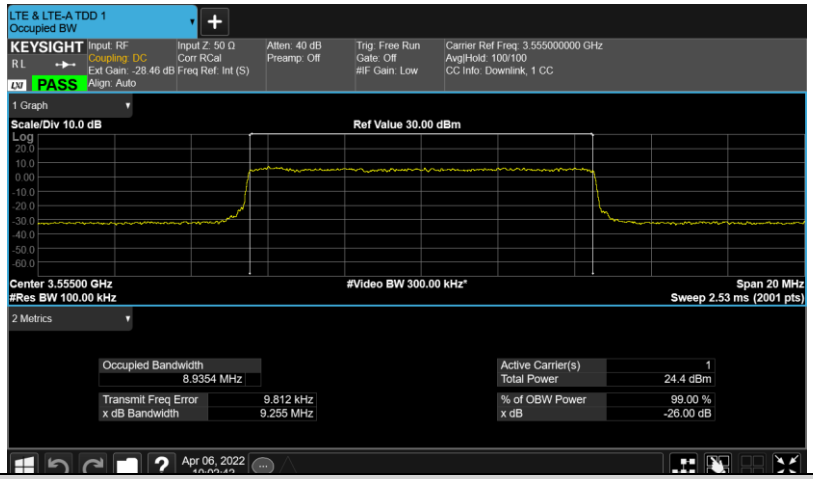
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

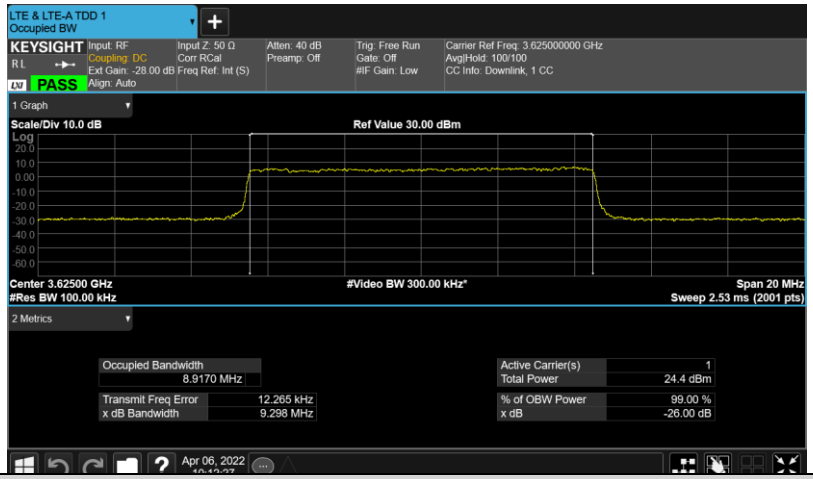
Band	Bandwidth	Modulation	Channel	Mode	99%(MHz)	EBW(MHz)
Band48	10MHz	64QAM	55290	E-TM3.1	8.9354	9.255
Band48	10MHz	64QAM	55990	E-TM3.1	8.9170	9.298
Band48	10MHz	64QAM	56690	E-TM3.1	8.9096	9.301
Band48	10MHz	QPSK	55290	E-TM1.1	8.9032	9.276
Band48	10MHz	QPSK	55990	E-TM1.1	8.9161	9.279
Band48	10MHz	QPSK	56690	E-TM1.1	8.9210	9.268
Band48	20MHz	64QAM	55340	E-TM3.1	17.839	18.50
Band48	20MHz	64QAM	55990	E-TM3.1	17.830	18.50
Band48	20MHz	64QAM	56640	E-TM3.1	17.814	18.47
Band48	20MHz	QPSK	55340	E-TM1.1	17.777	18.48
Band48	20MHz	QPSK	55990	E-TM1.1	17.829	18.49
Band48	20MHz	QPSK	56640	E-TM1.1	17.834	18.49

Test Graphs

Band48-10MHz-64QAM-55290-E-TM3.1



Band48-10MHz-64QAM-55990-E-TM3.1



Band48-10MHz-64QAM-56690-E-TM3.1