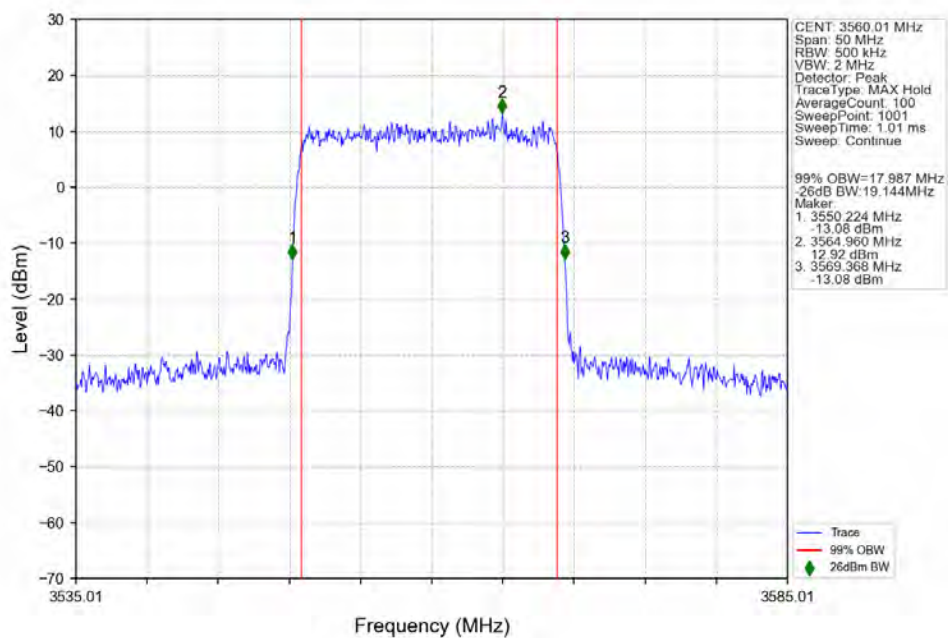
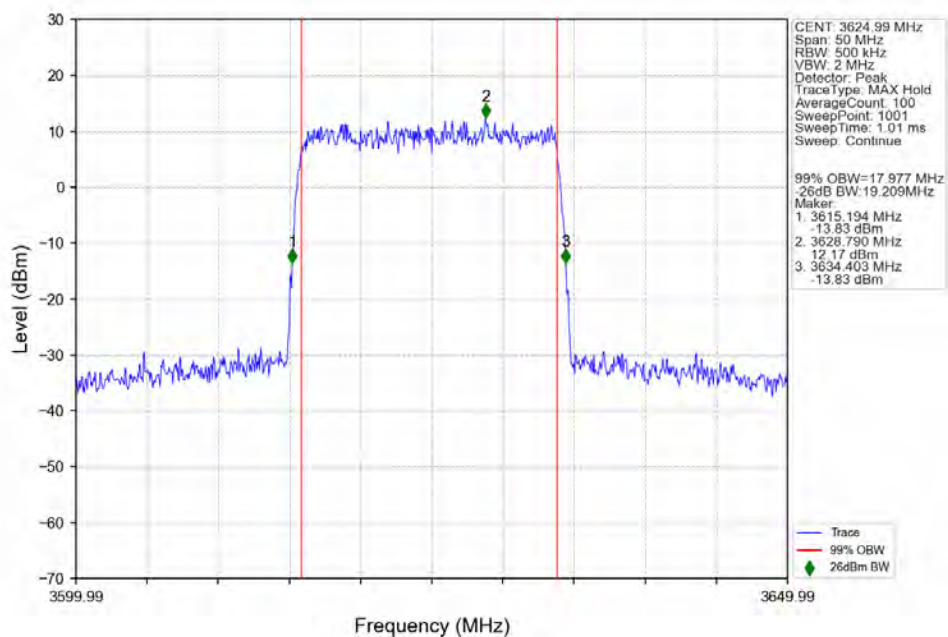


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3560.01MHz\_Outer\_Full\_Ant1

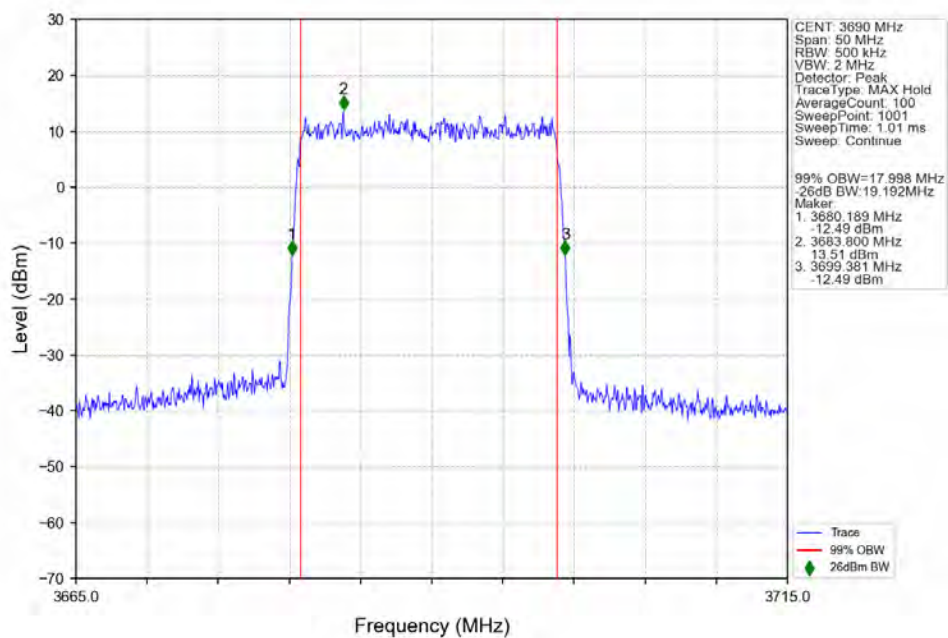


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1

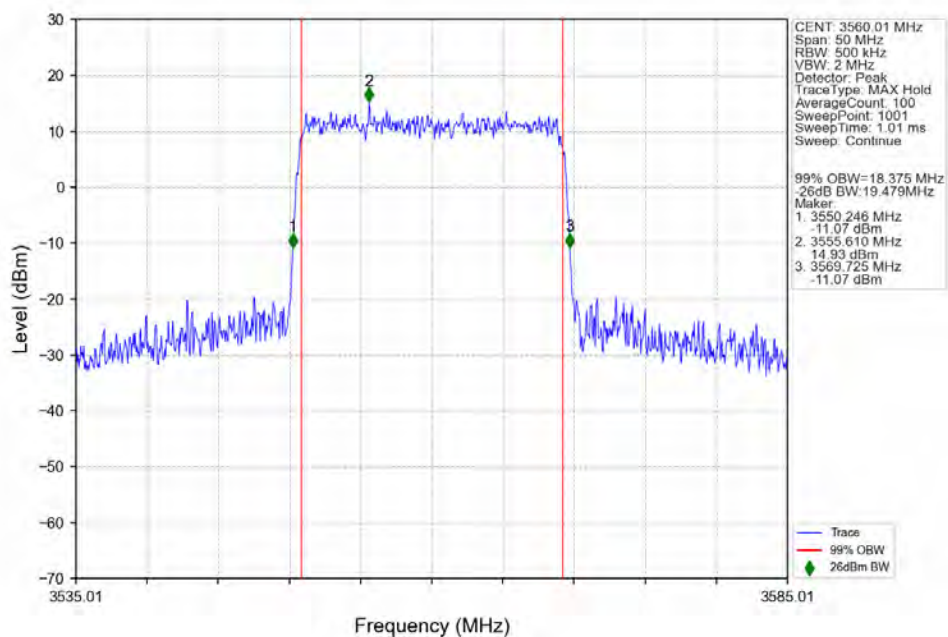




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3690MHz\_Outer\_Full\_Ant1

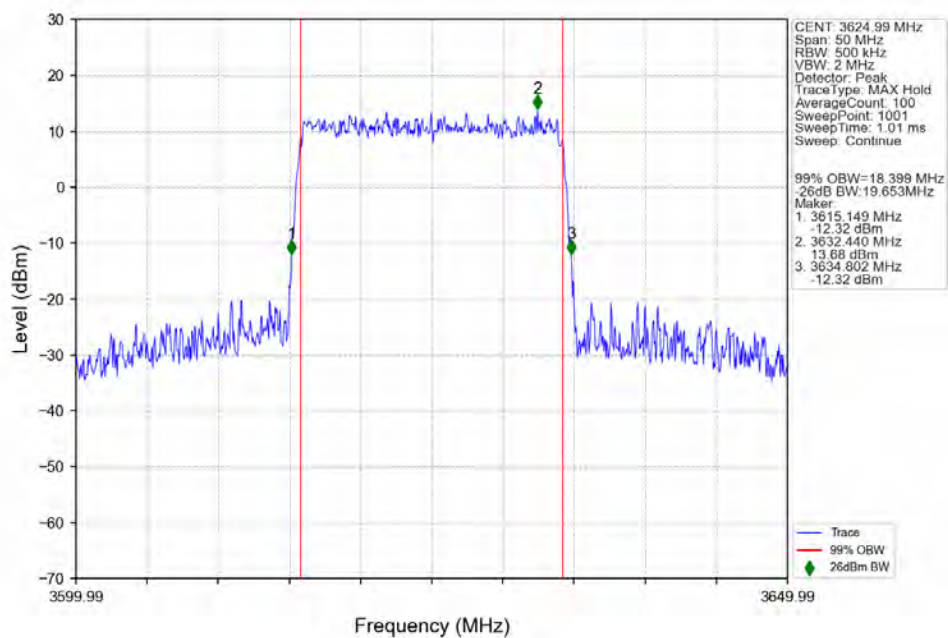


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Outer\_Full\_Ant1

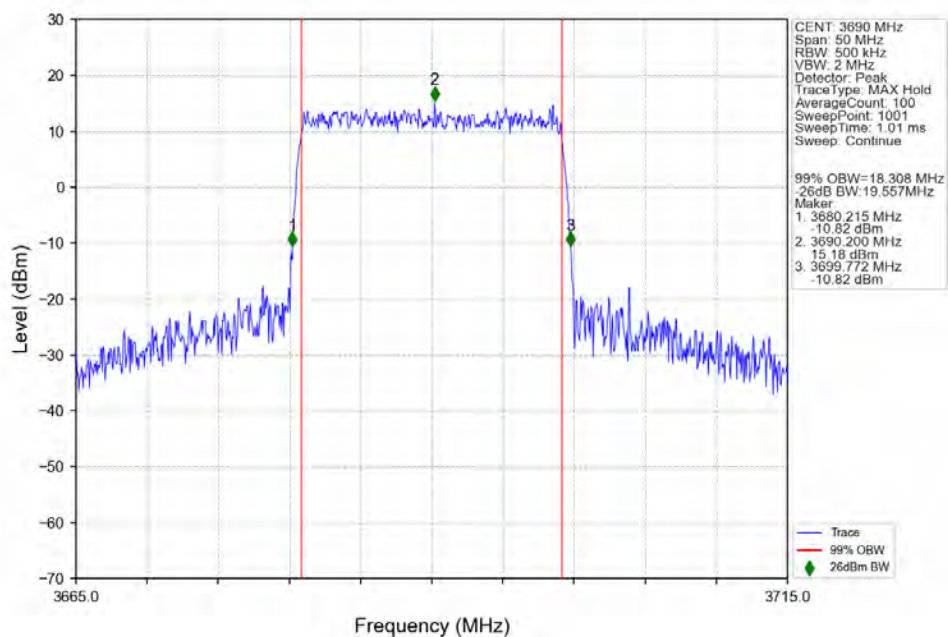




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

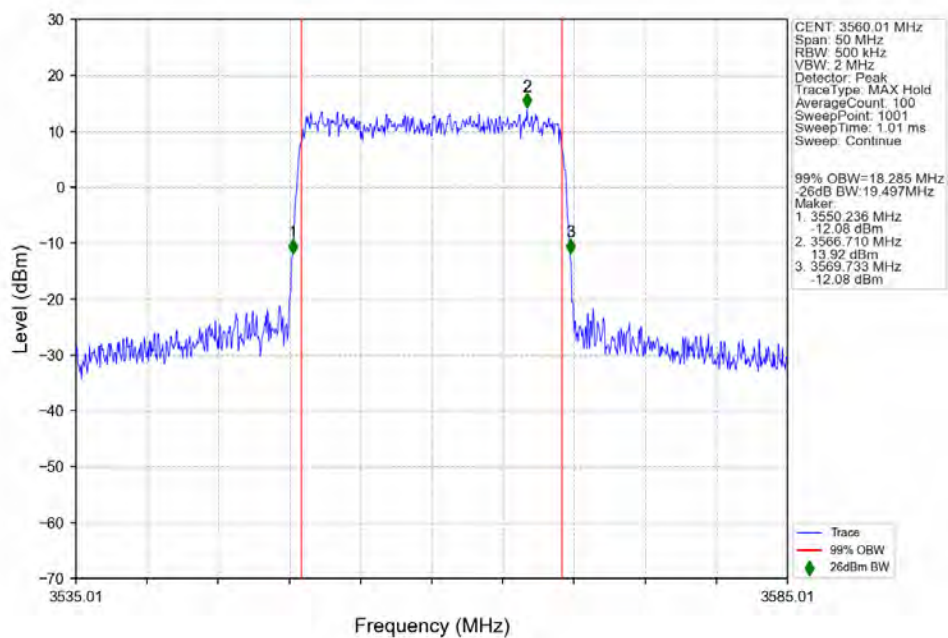


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3690MHz\_Outer\_Full\_Ant1

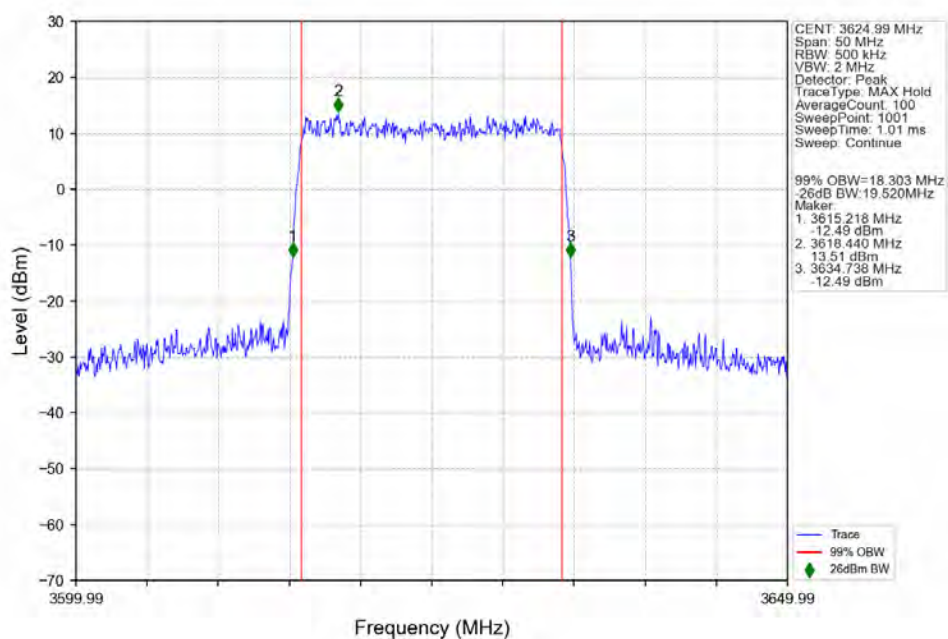




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3560.01MHz\_Outer\_Full\_Ant1

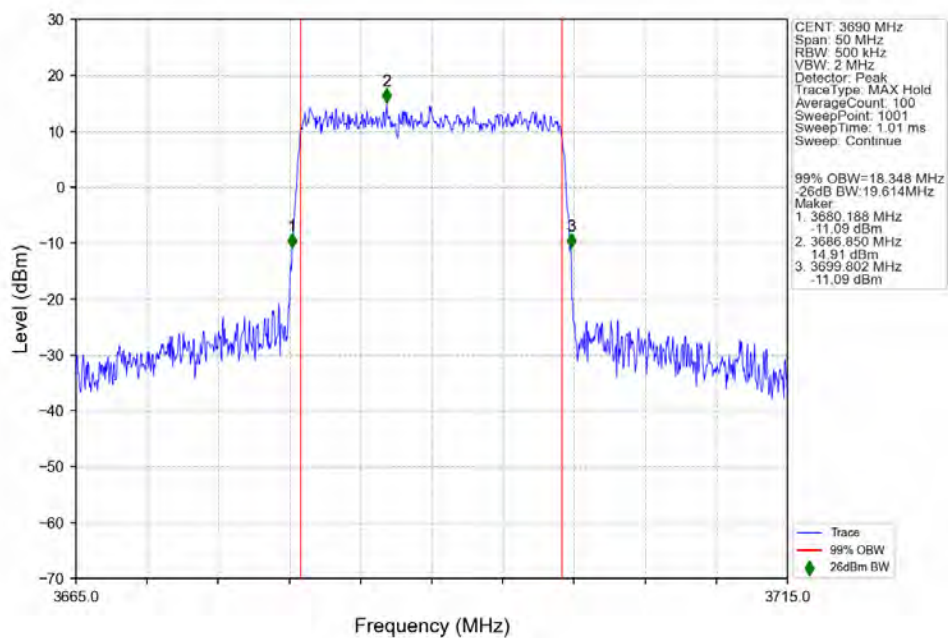


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

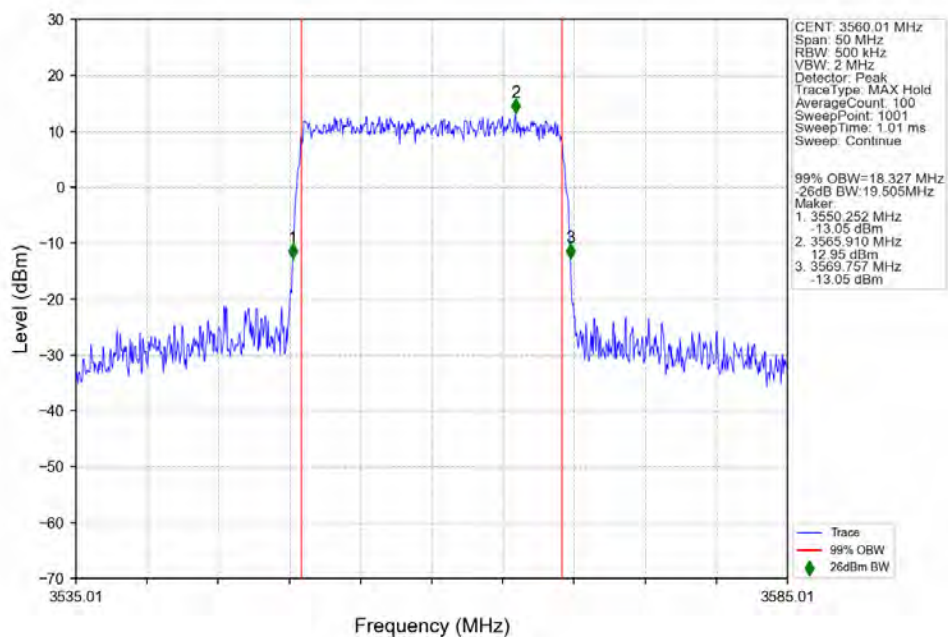




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3690MHz\_Outer\_Full\_Ant1

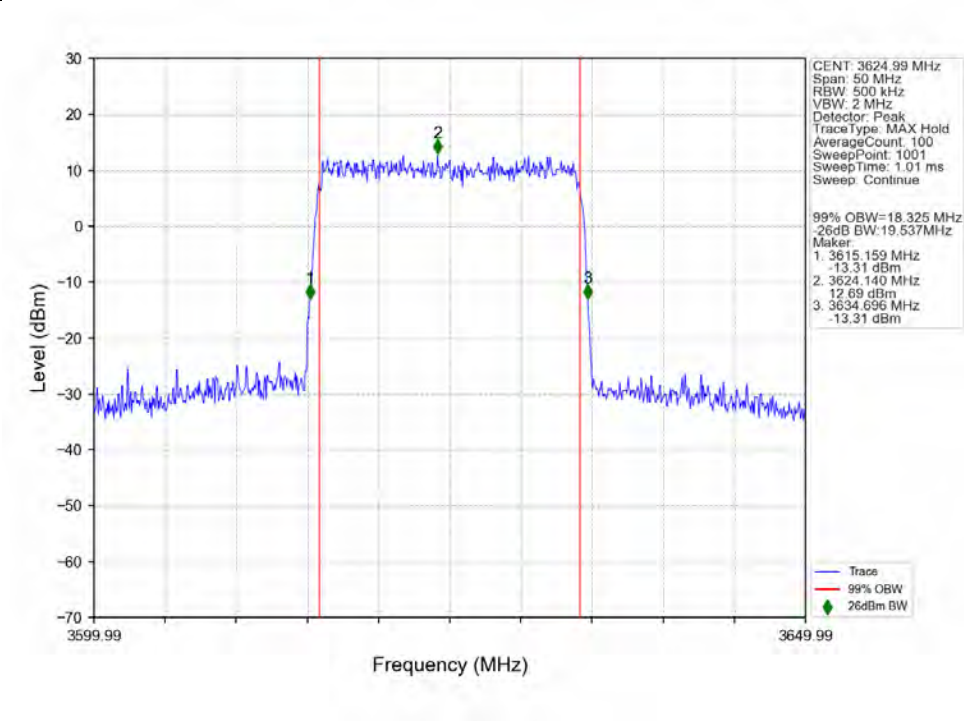


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3560.01MHz\_Outer\_Full\_Ant1

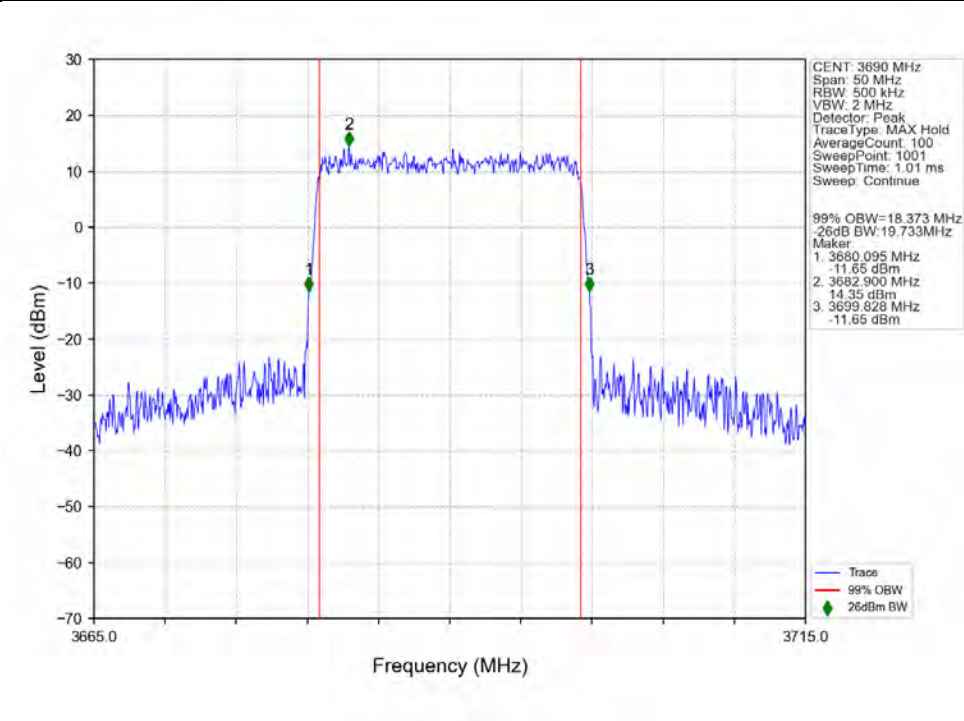




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

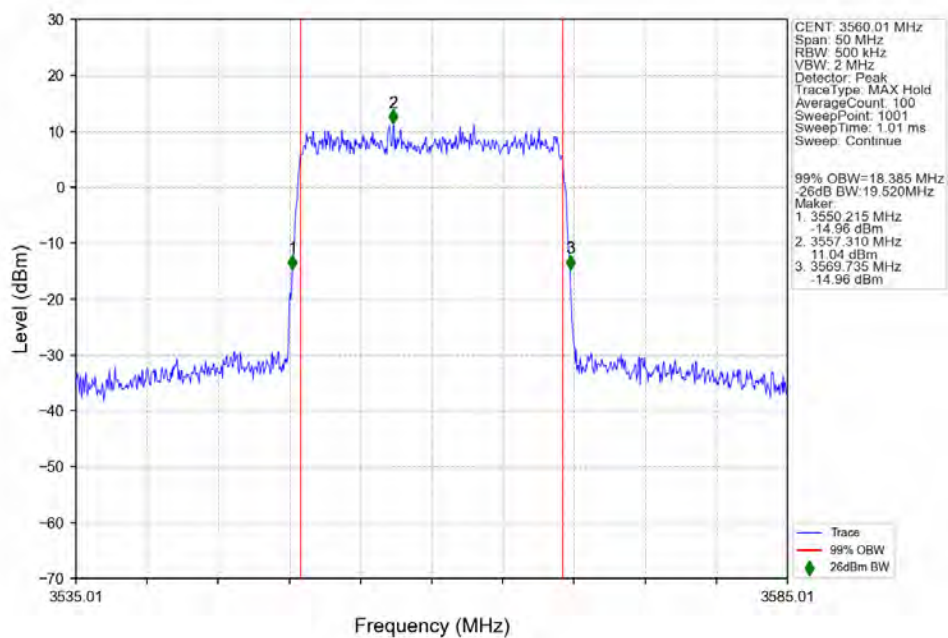


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Outer\_Full\_Ant1

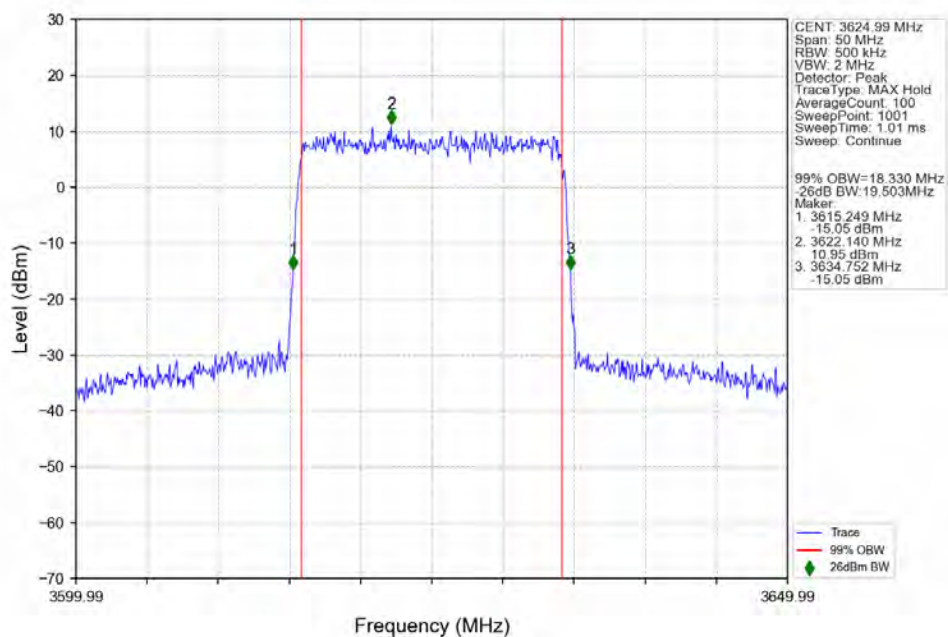




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Outer\_Full\_Ant1

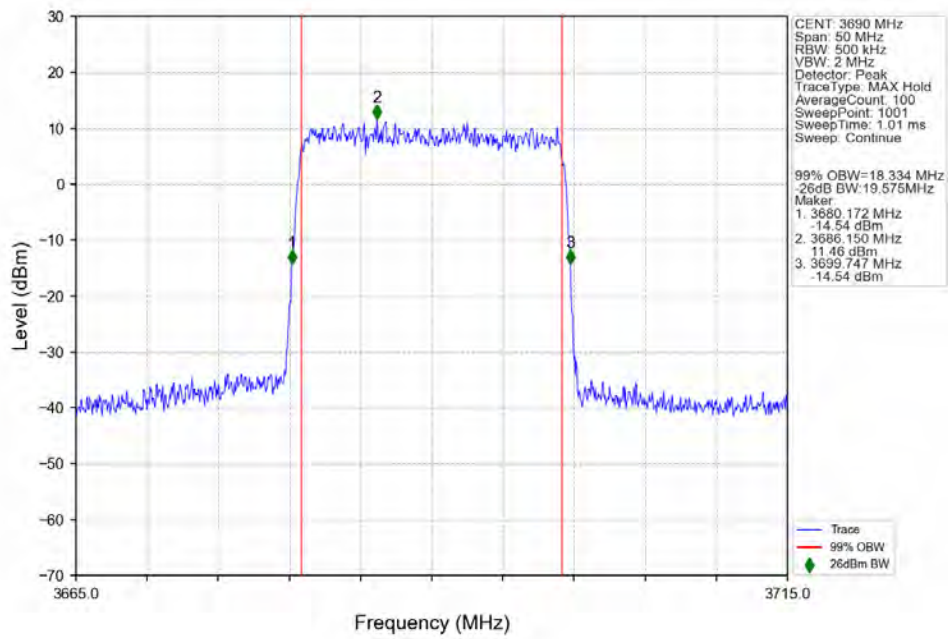


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1



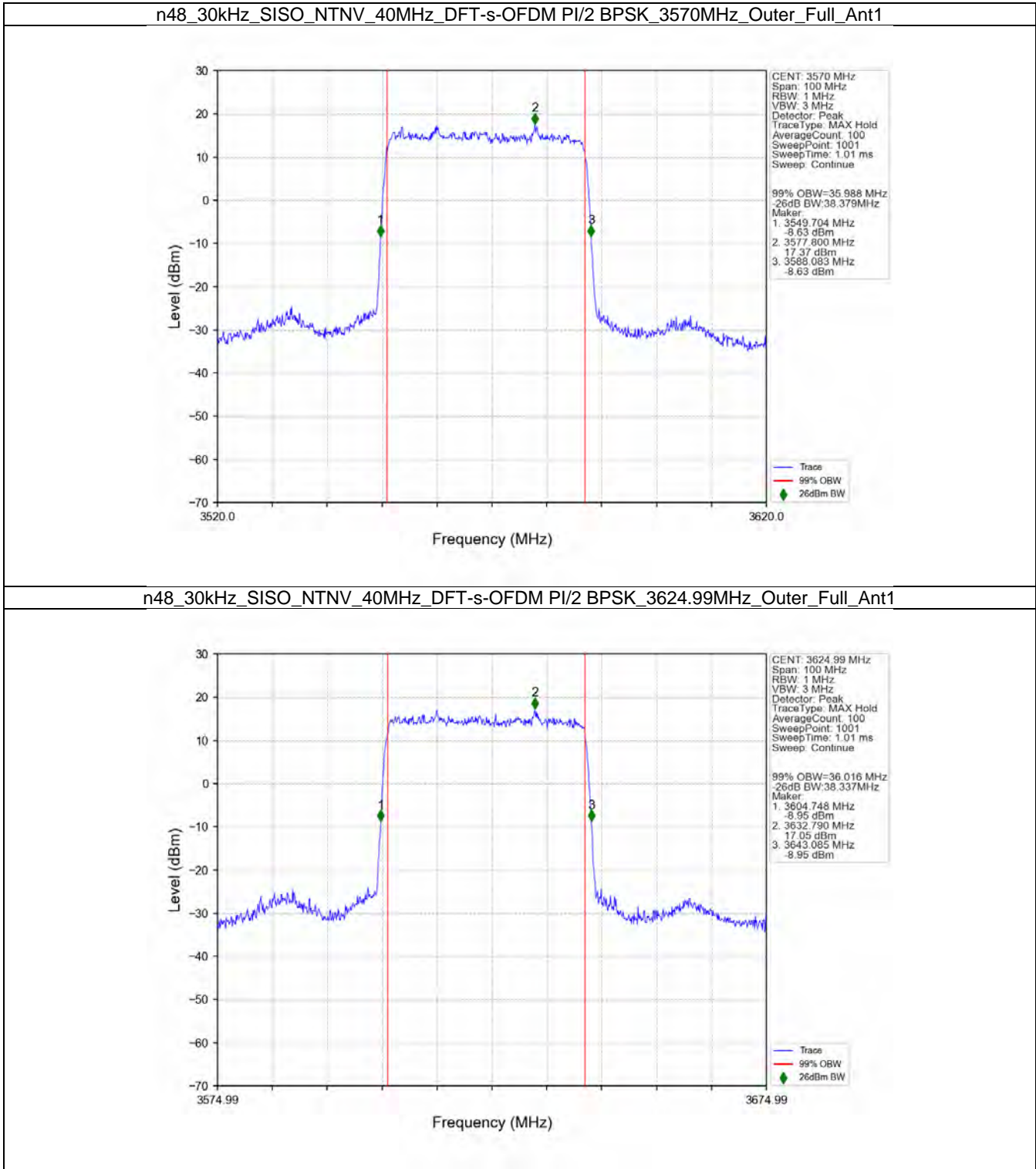


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3690MHz\_Outer\_Full\_Ant1

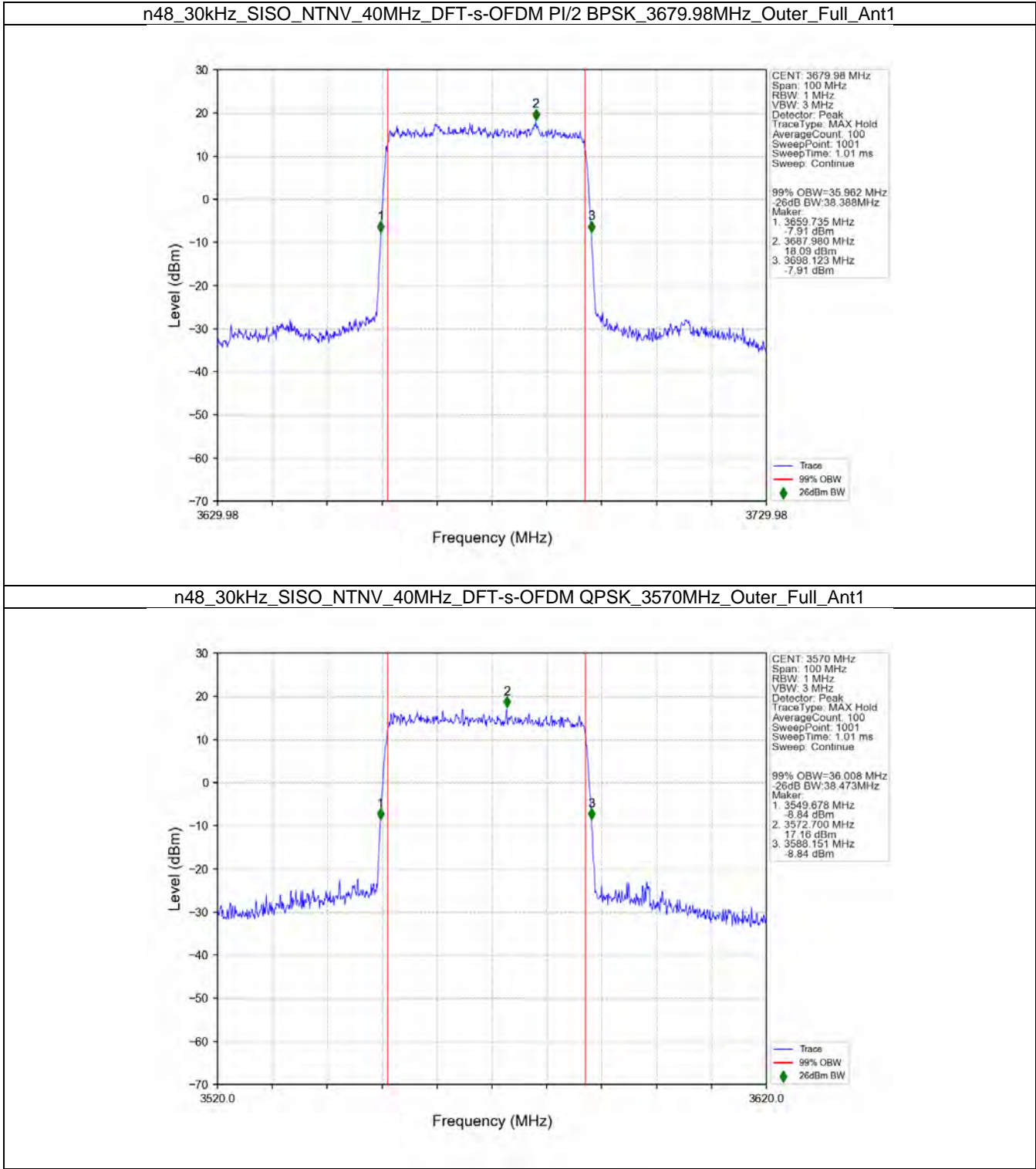




3.2.4 30\_SISO\_40M\_NTNV

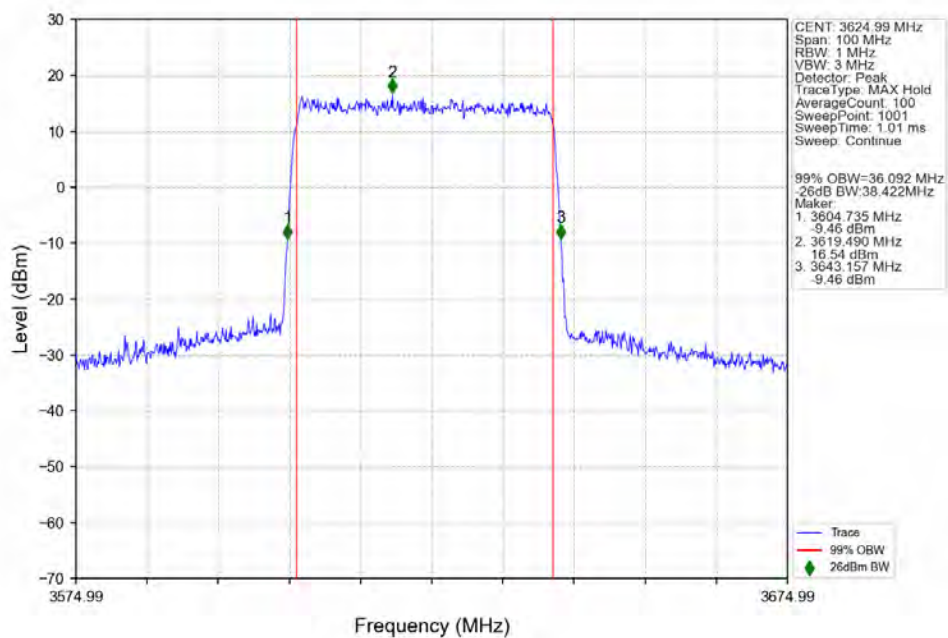




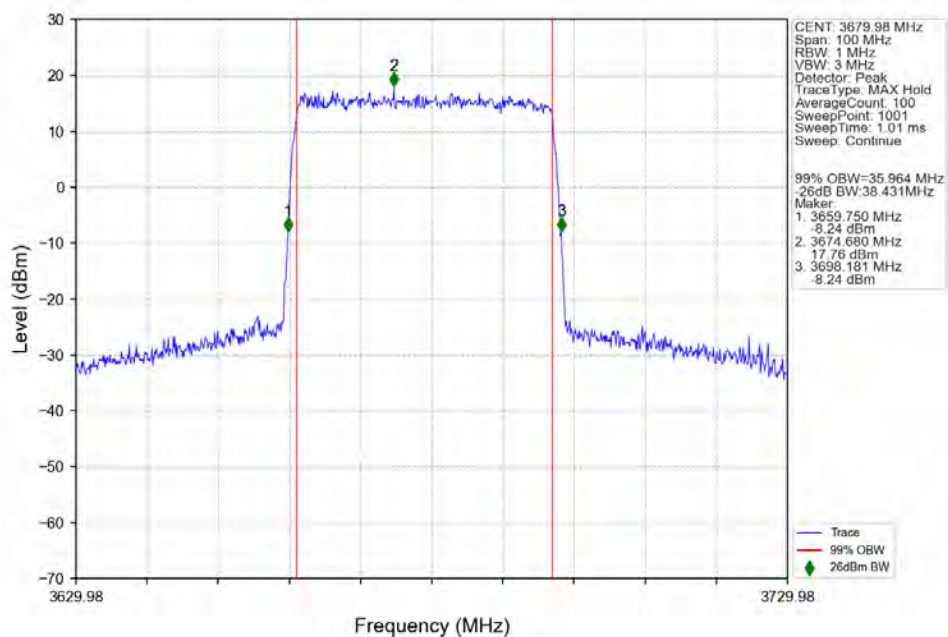




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

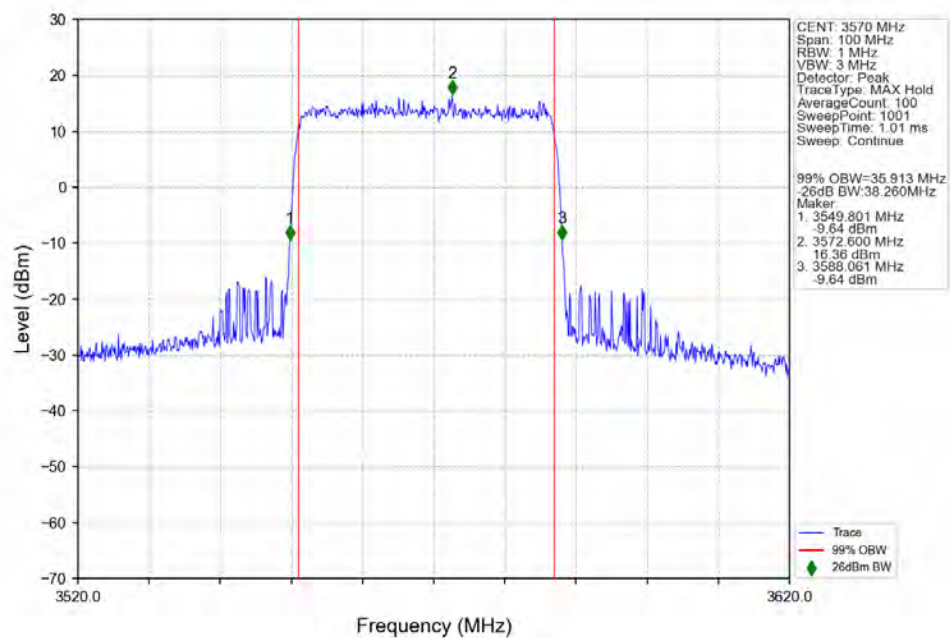


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3679.98MHz\_Outer\_Full\_Ant1

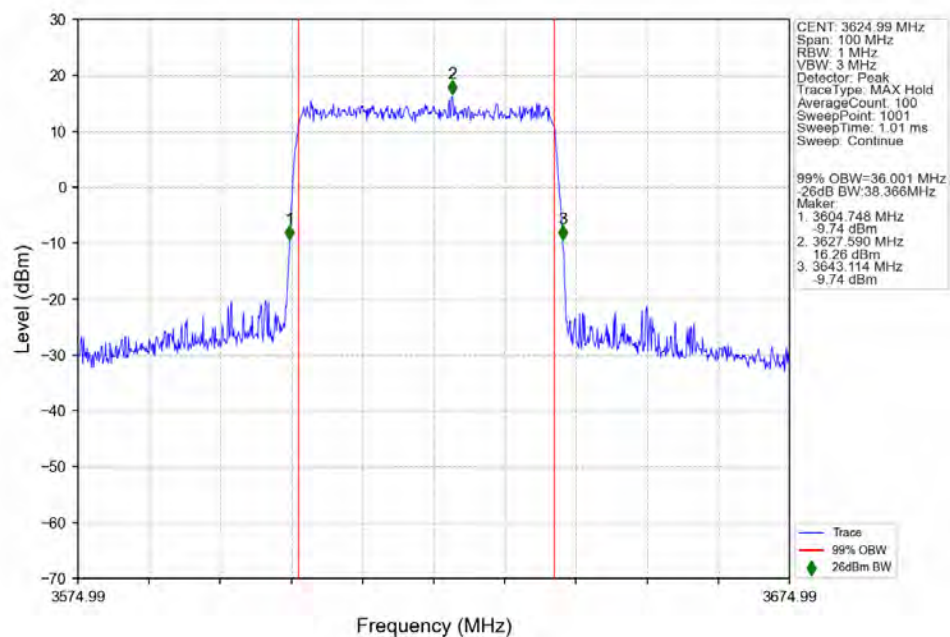




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3570MHz\_Outer\_Full\_Ant1

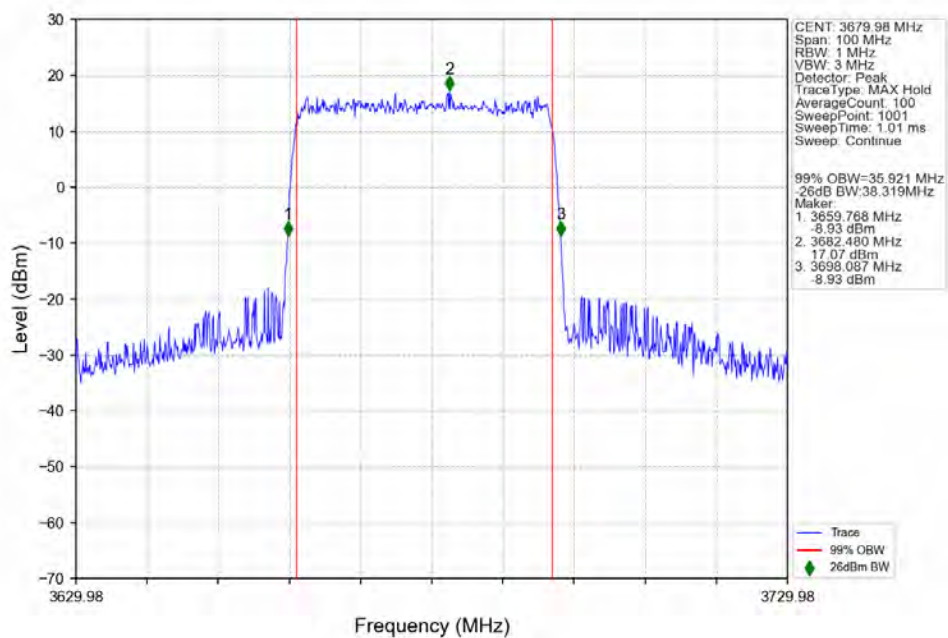


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

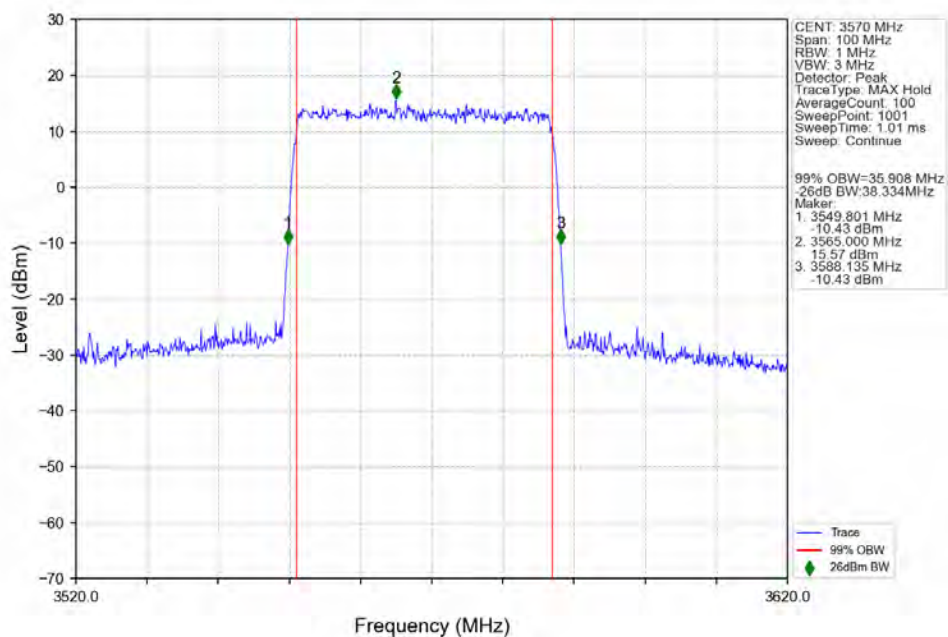




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3679.98MHz\_Outer\_Full\_Ant1

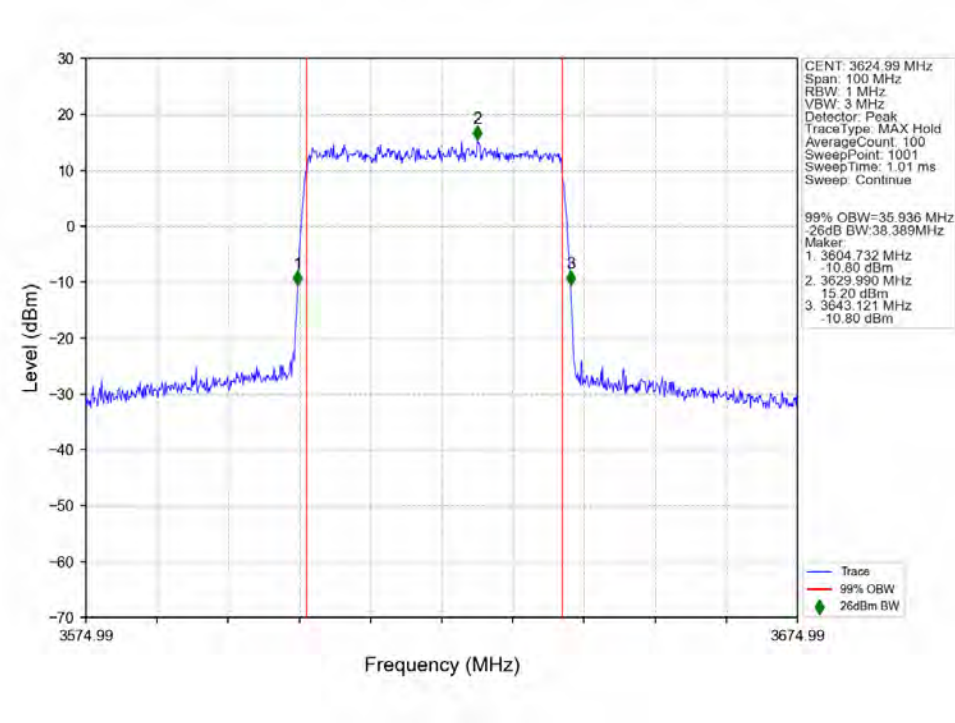


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Outer\_Full\_Ant1

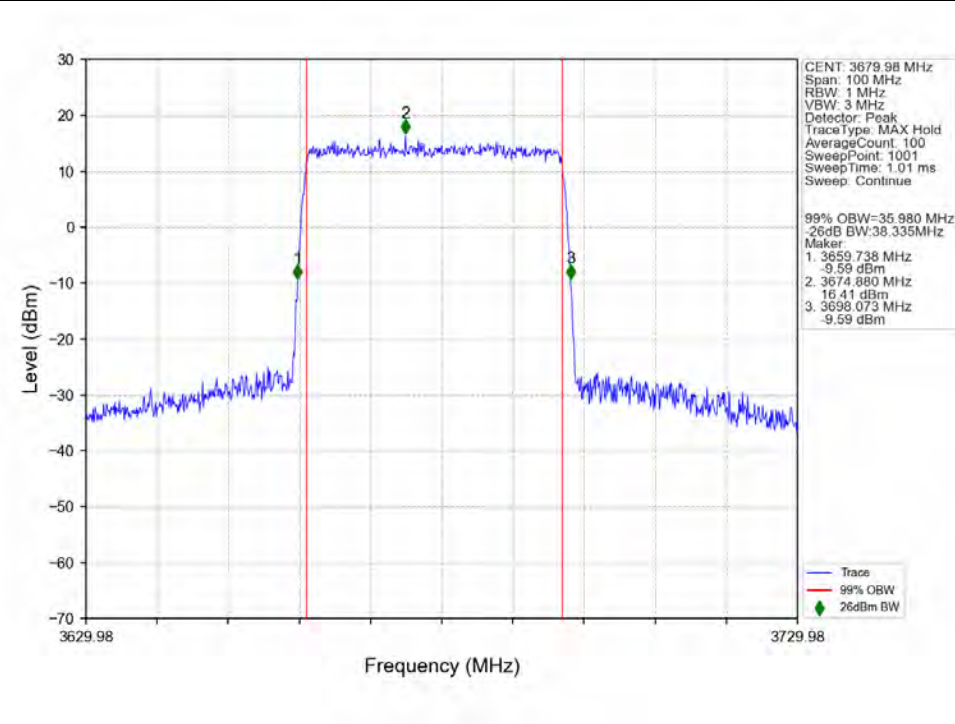




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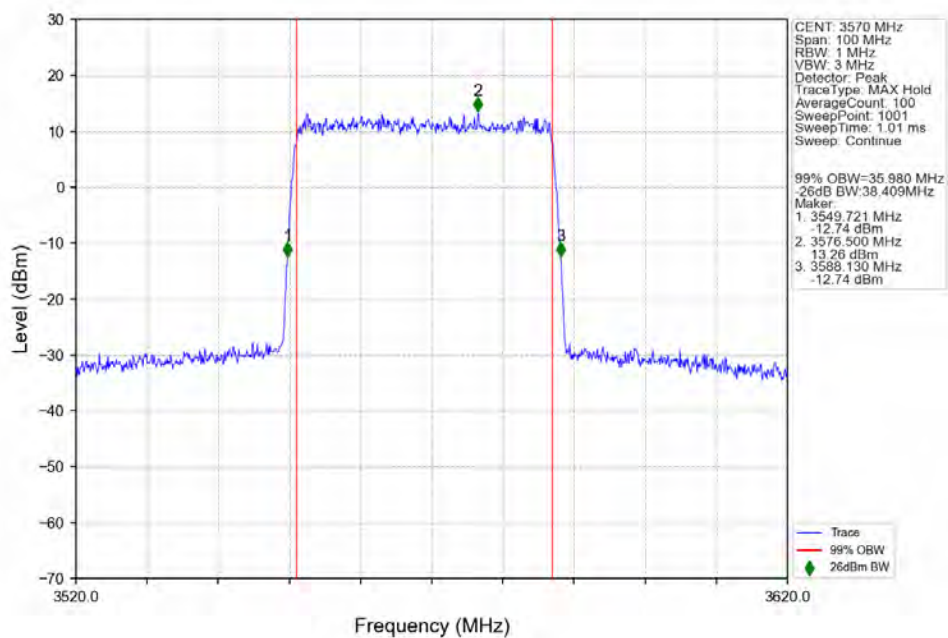


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Outer\_Full\_Ant1

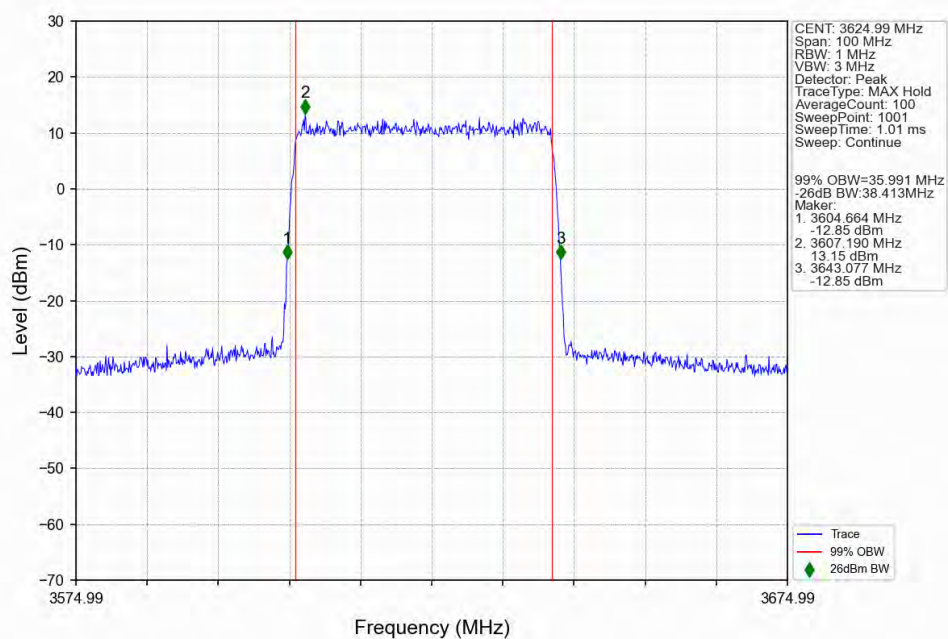




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3570MHz\_Outer\_Full\_Ant1

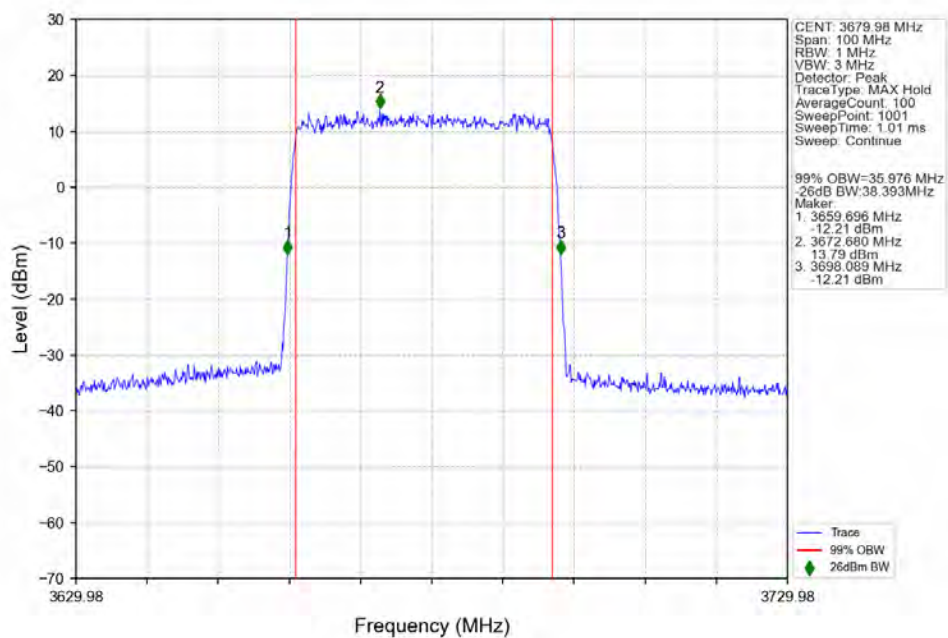


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1

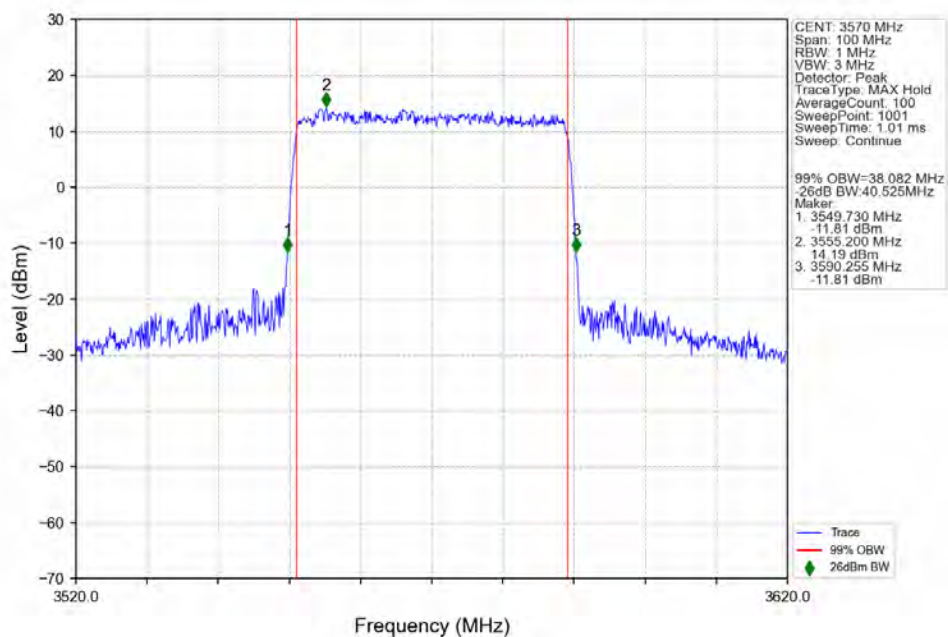




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Outer\_Full\_Ant1

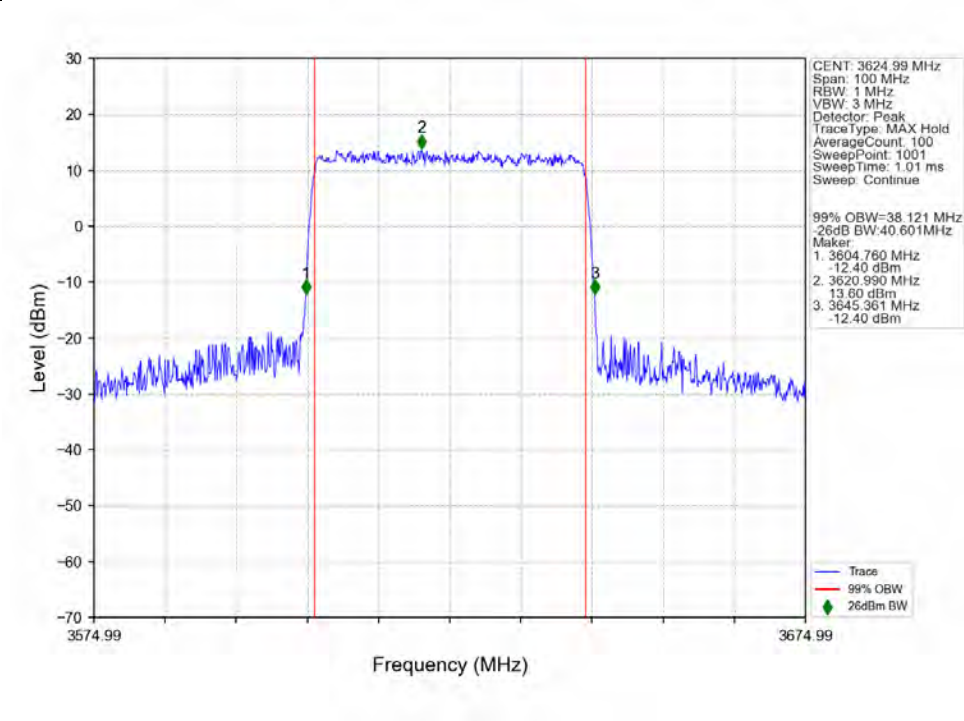


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Outer\_Full\_Ant1

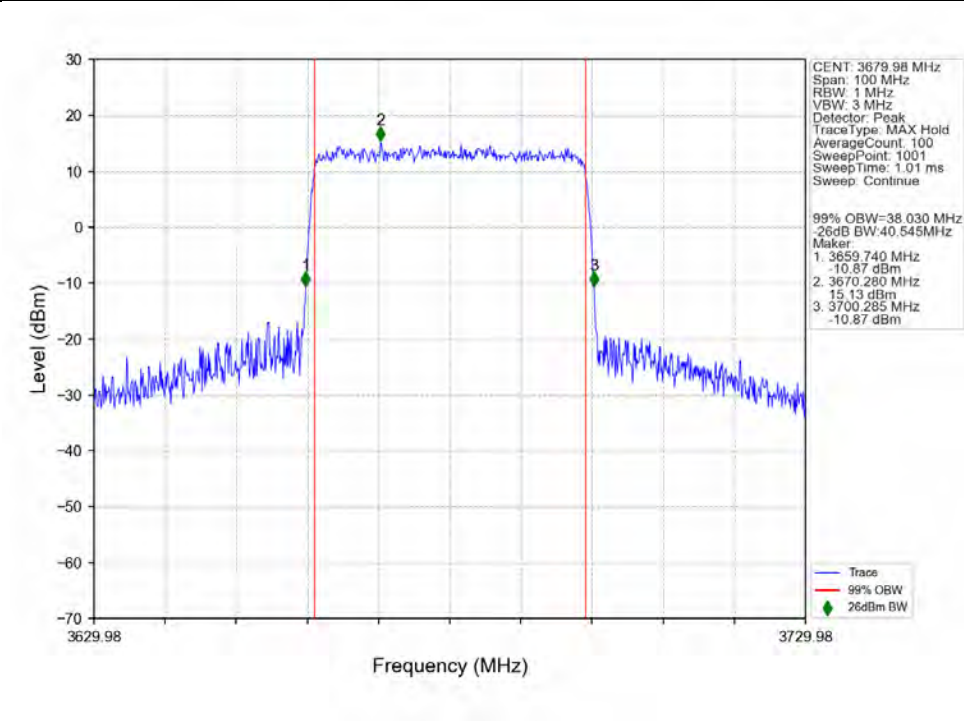




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

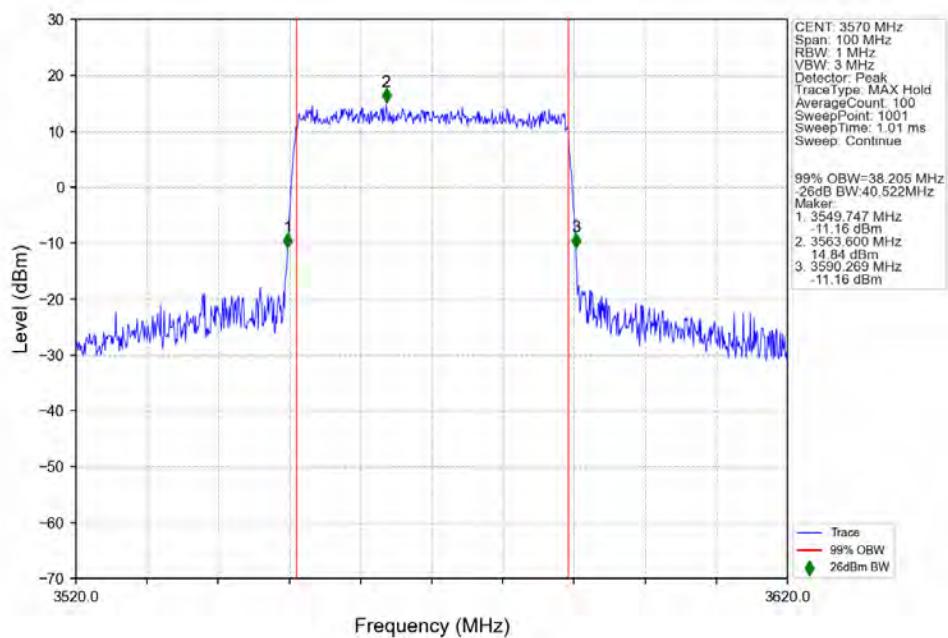


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Outer\_Full\_Ant1

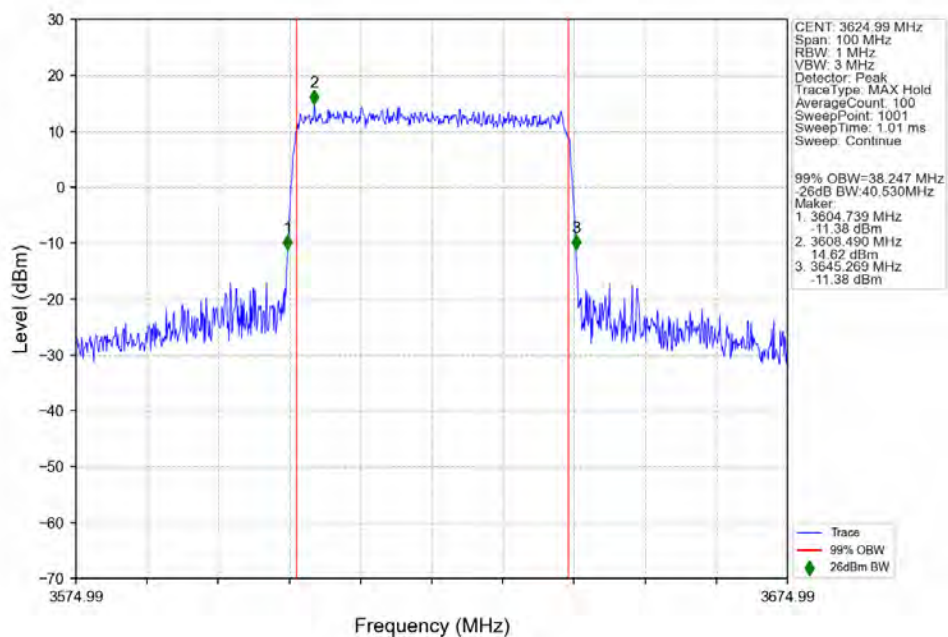




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Outer\_Full\_Ant1

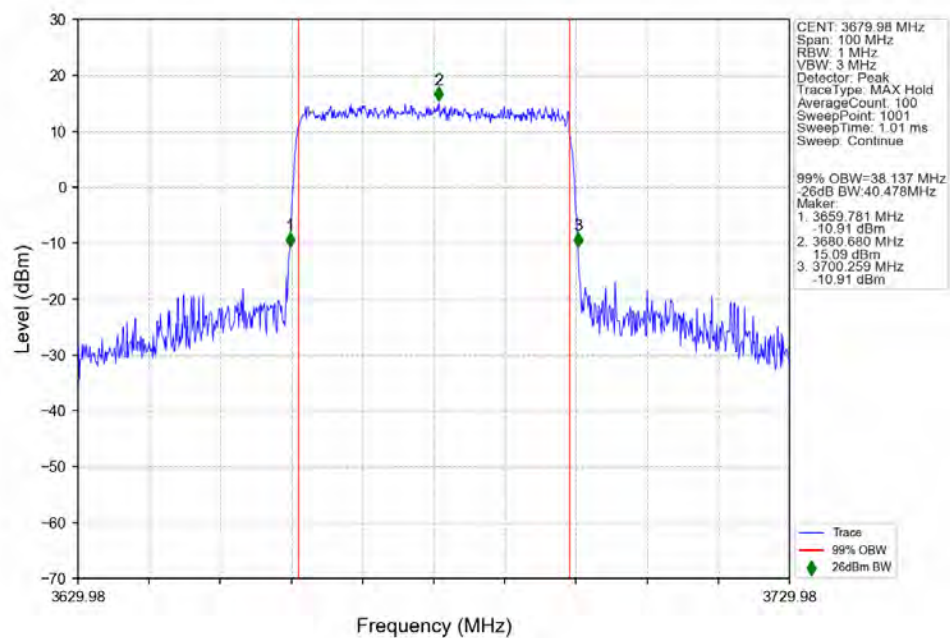


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

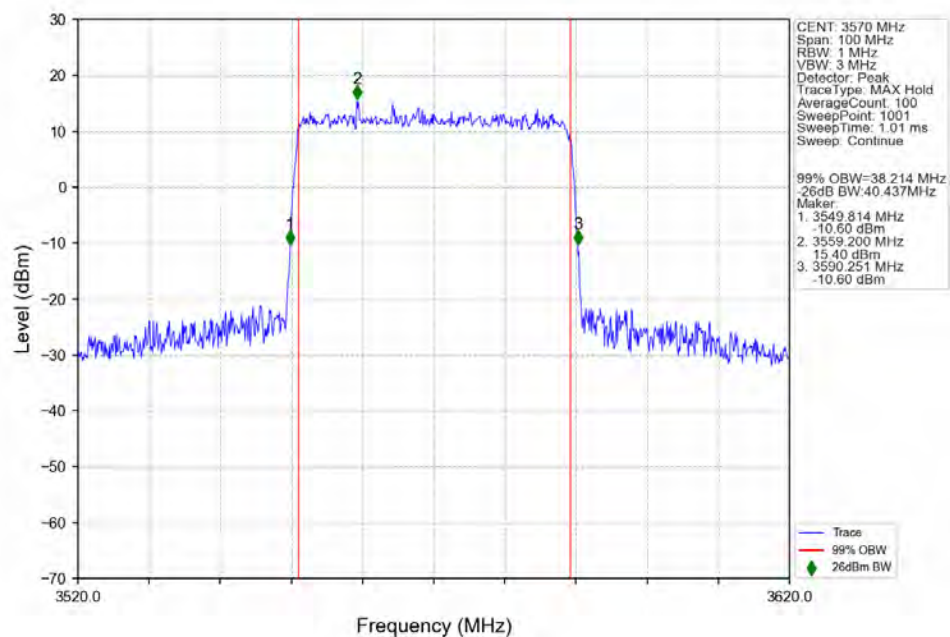




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3679.98MHz\_Outer\_Full\_Ant1

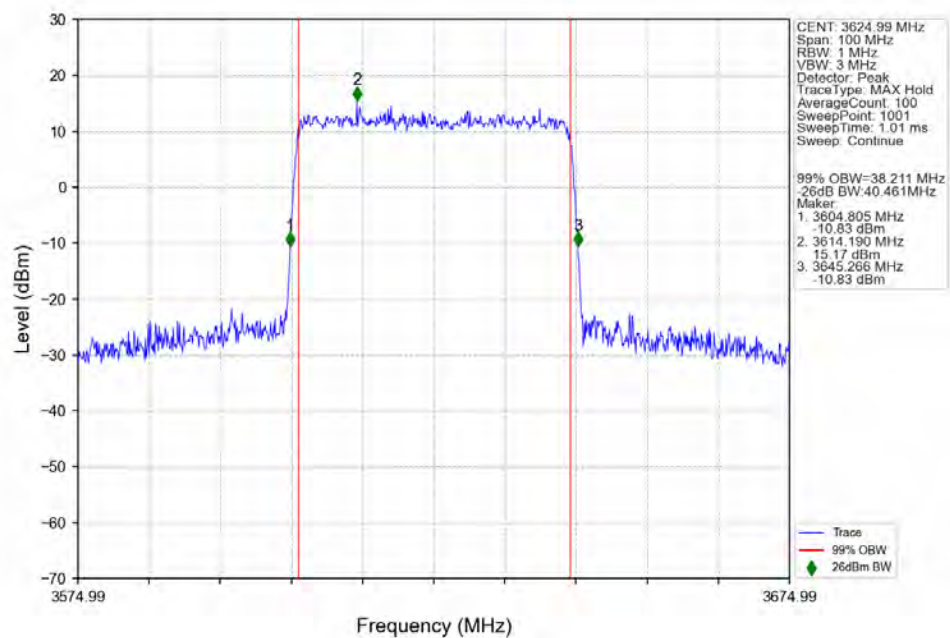


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Outer\_Full\_Ant1

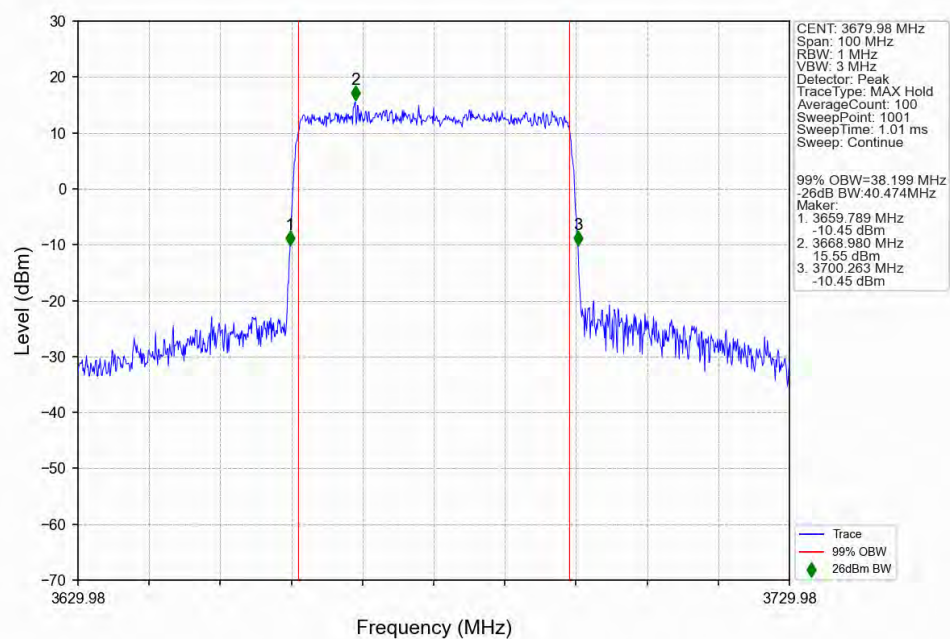




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

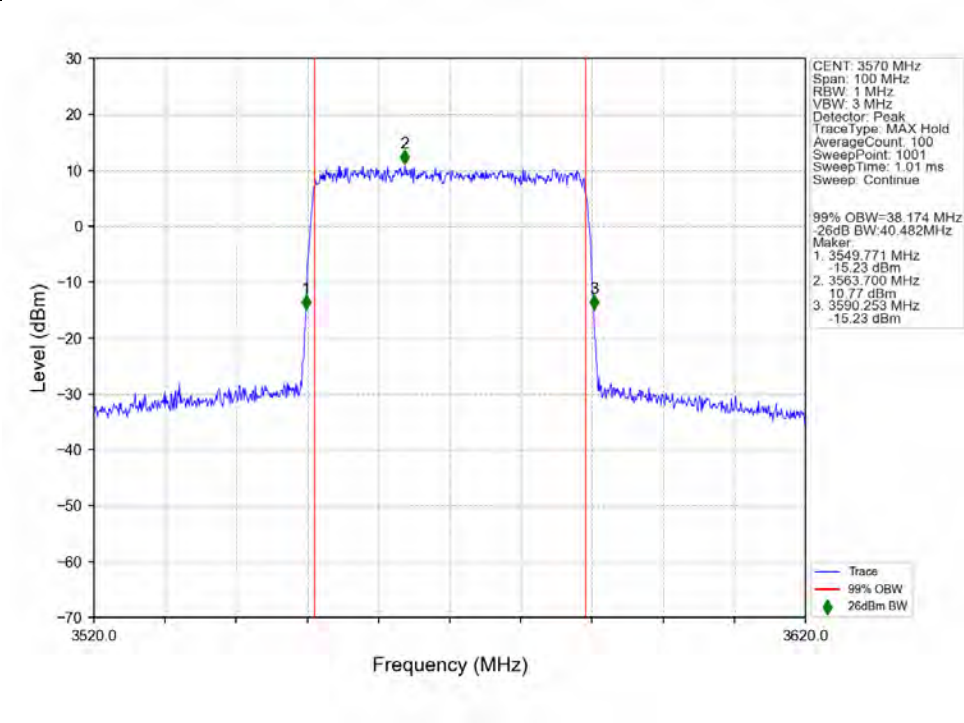


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Outer\_Full\_Ant1

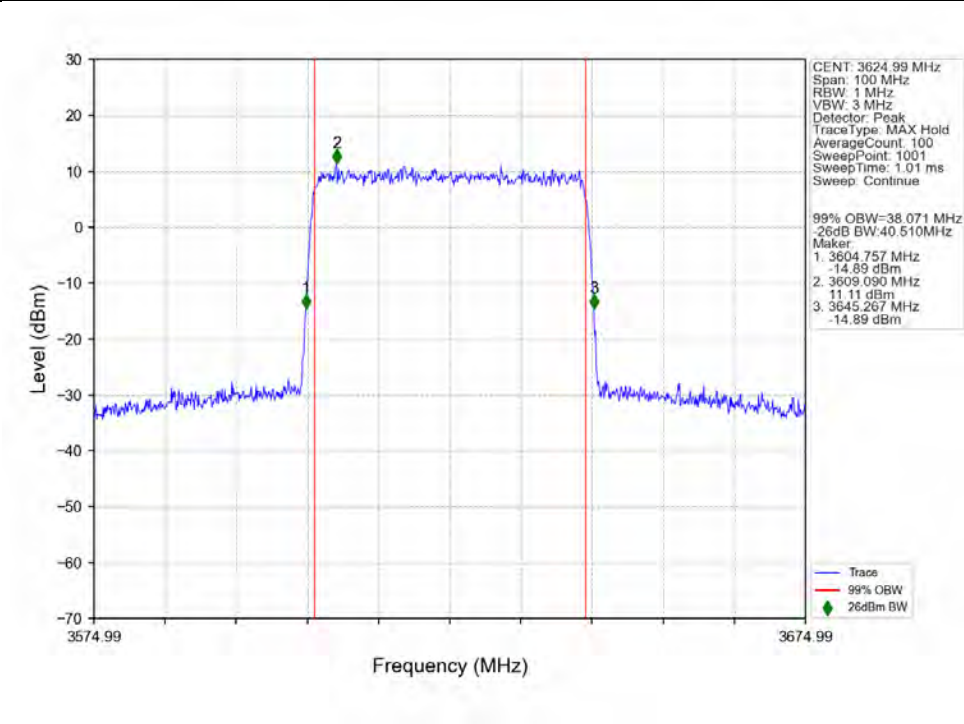




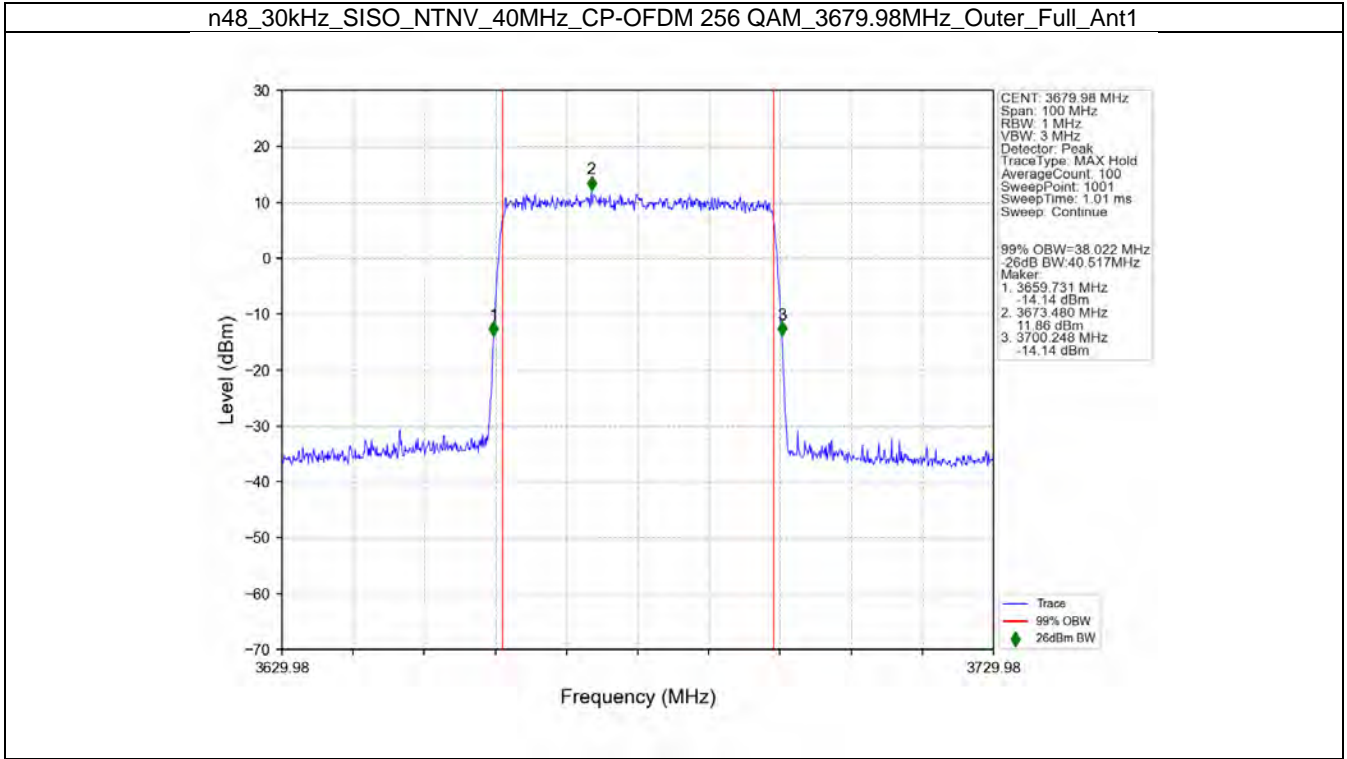
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Outer\_Full\_Ant1



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1









## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 30\_SISO\_10M\_NTNV

5G NR n48 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3555	Outer_Full	2.06	/	/	<=13	Pass
	3624.99	Outer_Full	2.12	/	/	<=13	Pass
	3694.98	Outer_Full	2.12	/	/	<=13	Pass
DFT-s-OFDM QPSK	3555	Outer_Full	2.68	/	/	<=13	Pass
	3624.99	Outer_Full	2.86	/	/	<=13	Pass
	3694.98	Outer_Full	2.82	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3555	Outer_Full	3.18	/	/	<=13	Pass
	3624.99	Outer_Full	3.34	/	/	<=13	Pass
	3694.98	Outer_Full	3.36	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	3.18	/	/	<=13	Pass
	3624.99	Outer_Full	3.42	/	/	<=13	Pass
	3694.98	Outer_Full	3.52	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	3.58	/	/	<=13	Pass
	3624.99	Outer_Full	4.00	/	/	<=13	Pass
	3694.98	Outer_Full	4.02	/	/	<=13	Pass
CP-OFDM QPSK	3555	Outer_Full	3.86	/	/	<=13	Pass
	3624.99	Outer_Full	4.22	/	/	<=13	Pass
	3694.98	Outer_Full	4.26	/	/	<=13	Pass
CP-OFDM 16 QAM	3555	Outer_Full	3.80	/	/	<=13	Pass
	3624.99	Outer_Full	4.16	/	/	<=13	Pass
	3694.98	Outer_Full	4.20	/	/	<=13	Pass
CP-OFDM 64 QAM	3555	Outer_Full	3.94	/	/	<=13	Pass
	3624.99	Outer_Full	4.32	/	/	<=13	Pass
	3694.98	Outer_Full	4.36	/	/	<=13	Pass
CP-OFDM 256 QAM	3555	Outer_Full	4.56	/	/	<=13	Pass
	3624.99	Outer_Full	5.28	/	/	<=13	Pass
	3694.98	Outer_Full	5.34	/	/	<=13	Pass

#### 4.1.2 30\_SISO\_15M\_NTNV

5G NR n48 SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3557.52	Outer_Full	2.70	/	/	<=13	Pass
	3624.99	Outer_Full	2.88	/	/	<=13	Pass
	3692.49	Outer_Full	2.80	/	/	<=13	Pass
DFT-s-OFDM QPSK	3557.52	Outer_Full	2.96	/	/	<=13	Pass
	3624.99	Outer_Full	3.02	/	/	<=13	Pass
	3692.49	Outer_Full	2.98	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3557.52	Outer_Full	3.28	/	/	<=13	Pass
	3624.99	Outer_Full	3.48	/	/	<=13	Pass
	3692.49	Outer_Full	3.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3557.52	Outer_Full	3.34	/	/	<=13	Pass
	3624.99	Outer_Full	3.58	/	/	<=13	Pass



	3692.49	Outer_Full	3.56	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3557.52	Outer_Full	3.68	/	/	<=13	Pass
	3624.99	Outer_Full	4.02	/	/	<=13	Pass
	3692.49	Outer_Full	4.06	/	/	<=13	Pass
	3557.52	Outer_Full	3.90	/	/	<=13	Pass
CP-OFDM QPSK	3624.99	Outer_Full	4.20	/	/	<=13	Pass
	3692.49	Outer_Full	4.24	/	/	<=13	Pass
	3557.52	Outer_Full	3.92	/	/	<=13	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	4.22	/	/	<=13	Pass
	3692.49	Outer_Full	4.26	/	/	<=13	Pass
	3557.52	Outer_Full	3.98	/	/	<=13	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	4.32	/	/	<=13	Pass
	3692.49	Outer_Full	4.36	/	/	<=13	Pass
	3557.52	Outer_Full	4.64	/	/	<=13	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	5.20	/	/	<=13	Pass
	3692.49	Outer_Full	5.32	/	/	<=13	Pass

## 4.1.3 30\_SISO\_20M\_NTNV

5G NR n48 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	3.14	/	/	<=13	Pass
	3624.99	Outer_Full	3.02	/	/	<=13	Pass
	3690	Outer_Full	3.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	3.44	/	/	<=13	Pass
	3624.99	Outer_Full	3.54	/	/	<=13	Pass
	3690	Outer_Full	3.54	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	3.82	/	/	<=13	Pass
	3624.99	Outer_Full	3.98	/	/	<=13	Pass
	3690	Outer_Full	3.98	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	3.92	/	/	<=13	Pass
	3624.99	Outer_Full	4.10	/	/	<=13	Pass
	3690	Outer_Full	4.08	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	4.16	/	/	<=13	Pass
	3624.99	Outer_Full	4.48	/	/	<=13	Pass
	3690	Outer_Full	4.50	/	/	<=13	Pass
CP-OFDM QPSK	3560.01	Outer_Full	4.50	/	/	<=13	Pass
	3624.99	Outer_Full	4.78	/	/	<=13	Pass
	3690	Outer_Full	4.78	/	/	<=13	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	4.48	/	/	<=13	Pass
	3624.99	Outer_Full	4.78	/	/	<=13	Pass
	3690	Outer_Full	4.80	/	/	<=13	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	4.56	/	/	<=13	Pass
	3624.99	Outer_Full	4.88	/	/	<=13	Pass
	3690	Outer_Full	4.90	/	/	<=13	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	5.16	/	/	<=13	Pass
	3624.99	Outer_Full	5.64	/	/	<=13	Pass
	3690	Outer_Full	5.72	/	/	<=13	Pass

## 4.1.4 30\_SISO\_40M\_NTNV

5G NR n48 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	

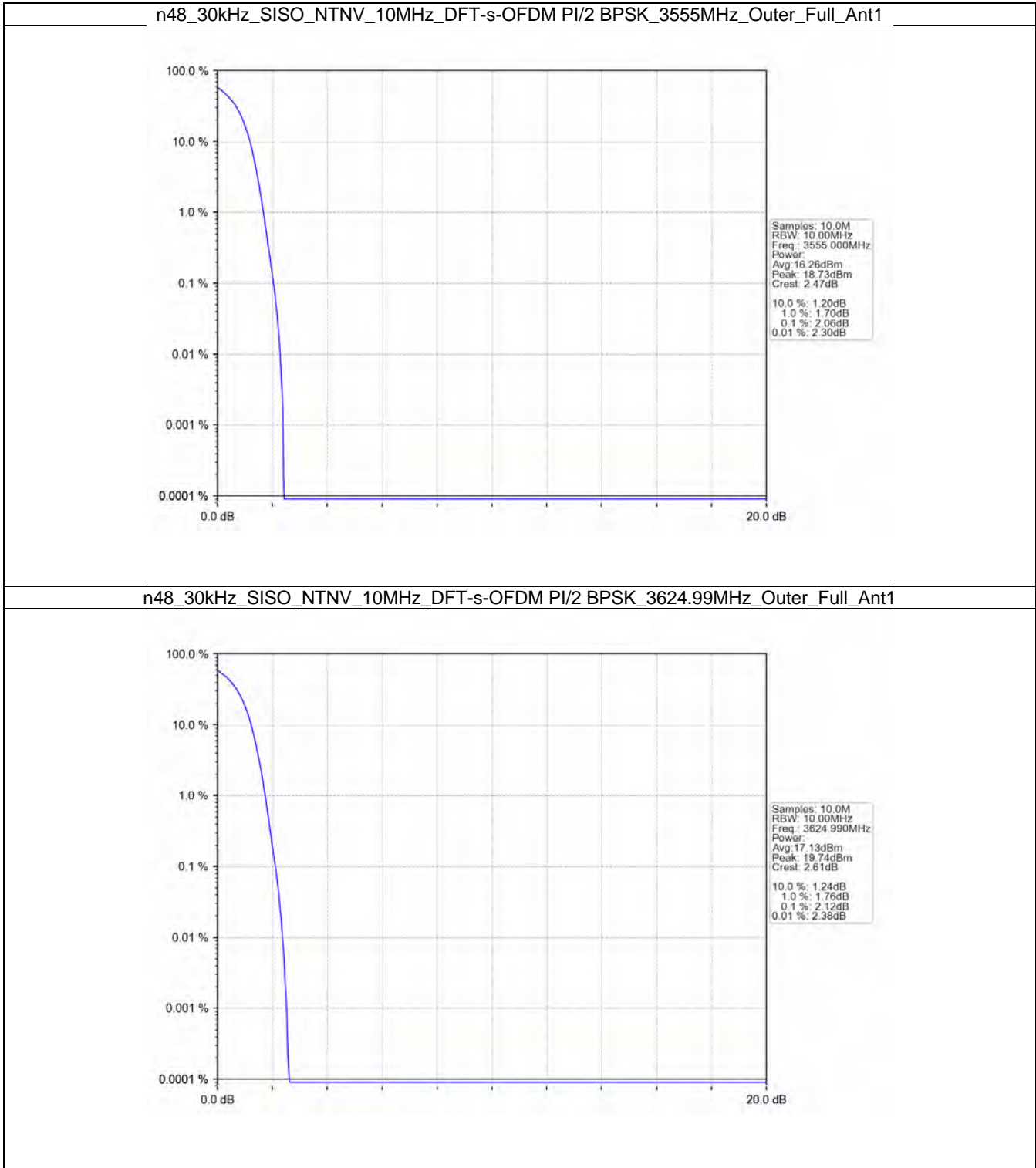


DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	3.10	/	/	<=13	Pass
	3624.99	Outer_Full	3.06	/	/	<=13	Pass
	3679.98	Outer_Full	3.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	4.12	/	/	<=13	Pass
	3624.99	Outer_Full	4.22	/	/	<=13	Pass
	3679.98	Outer_Full	4.18	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	4.48	/	/	<=13	Pass
	3624.99	Outer_Full	4.60	/	/	<=13	Pass
	3679.98	Outer_Full	4.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	4.56	/	/	<=13	Pass
	3624.99	Outer_Full	4.70	/	/	<=13	Pass
	3679.98	Outer_Full	4.68	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	4.80	/	/	<=13	Pass
	3624.99	Outer_Full	5.02	/	/	<=13	Pass
	3679.98	Outer_Full	5.04	/	/	<=13	Pass
CP-OFDM QPSK	3570	Outer_Full	5.20	/	/	<=13	Pass
	3624.99	Outer_Full	5.46	/	/	<=13	Pass
	3679.98	Outer_Full	5.44	/	/	<=13	Pass
CP-OFDM 16 QAM	3570	Outer_Full	5.18	/	/	<=13	Pass
	3624.99	Outer_Full	5.46	/	/	<=13	Pass
	3679.98	Outer_Full	5.40	/	/	<=13	Pass
CP-OFDM 64 QAM	3570	Outer_Full	5.30	/	/	<=13	Pass
	3624.99	Outer_Full	5.58	/	/	<=13	Pass
	3679.98	Outer_Full	5.56	/	/	<=13	Pass
CP-OFDM 256 QAM	3570	Outer_Full	5.94	/	/	<=13	Pass
	3624.99	Outer_Full	6.30	/	/	<=13	Pass
	3679.98	Outer_Full	6.32	/	/	<=13	Pass



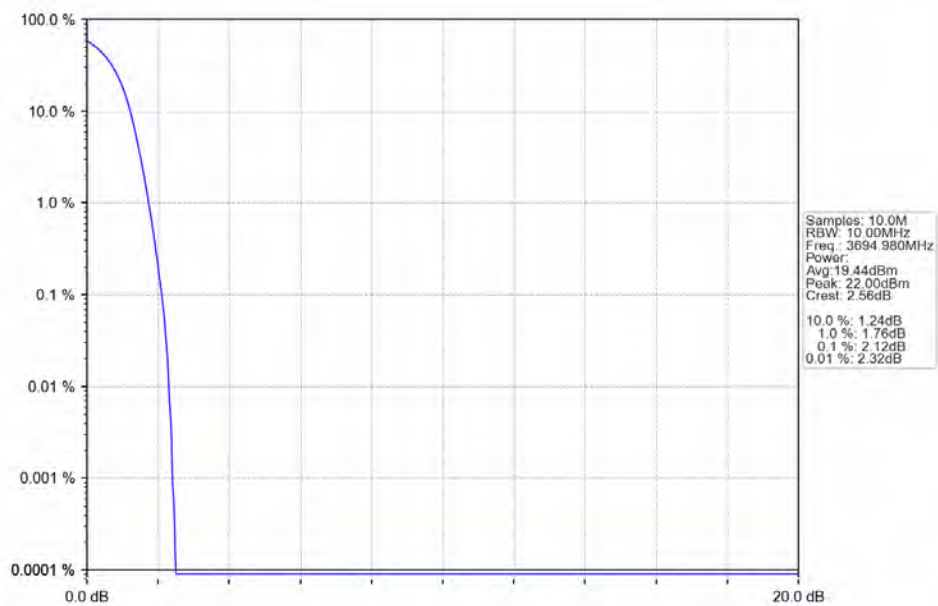
4.2 Test Graph

4.2.1 30\_SISO\_10M\_NTNV

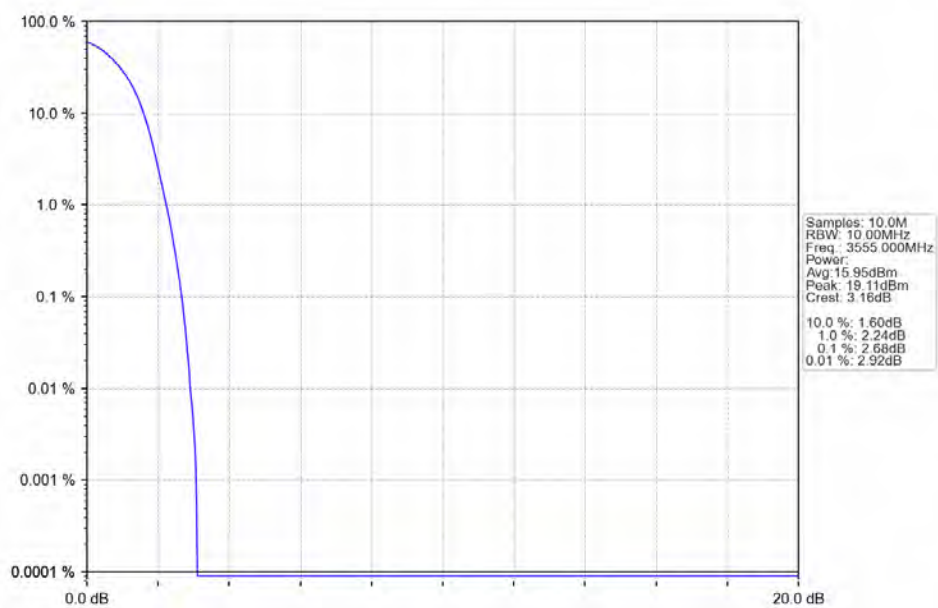




n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Outer\_Full\_Ant1

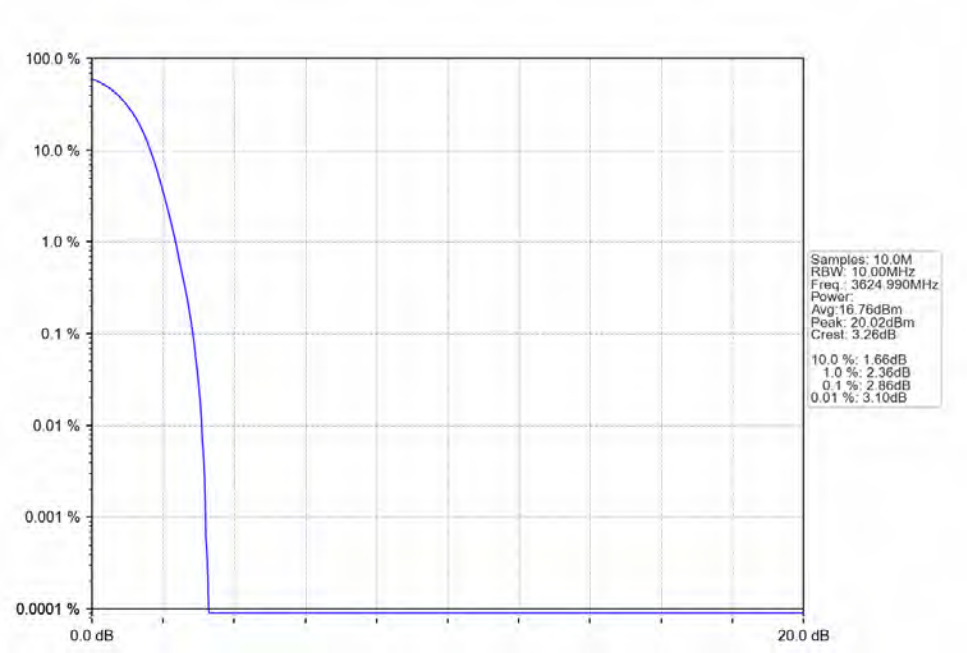


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Outer\_Full\_Ant1

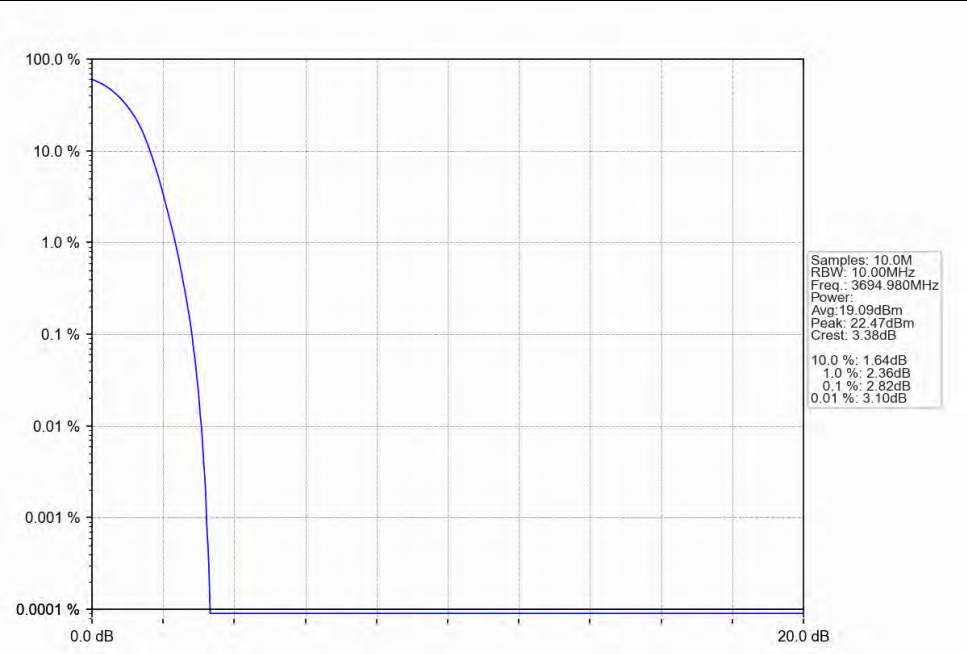




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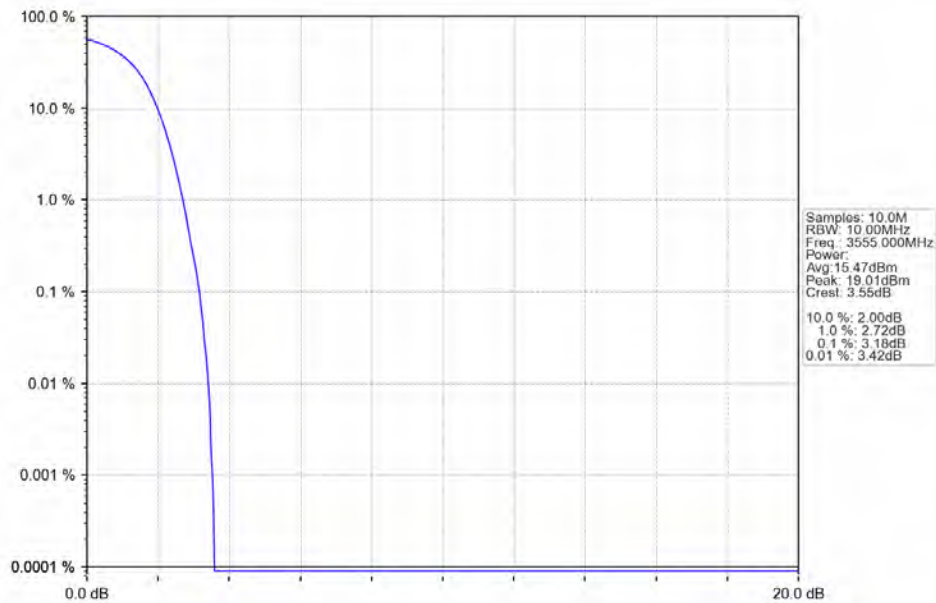


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Outer\_Full\_Ant1

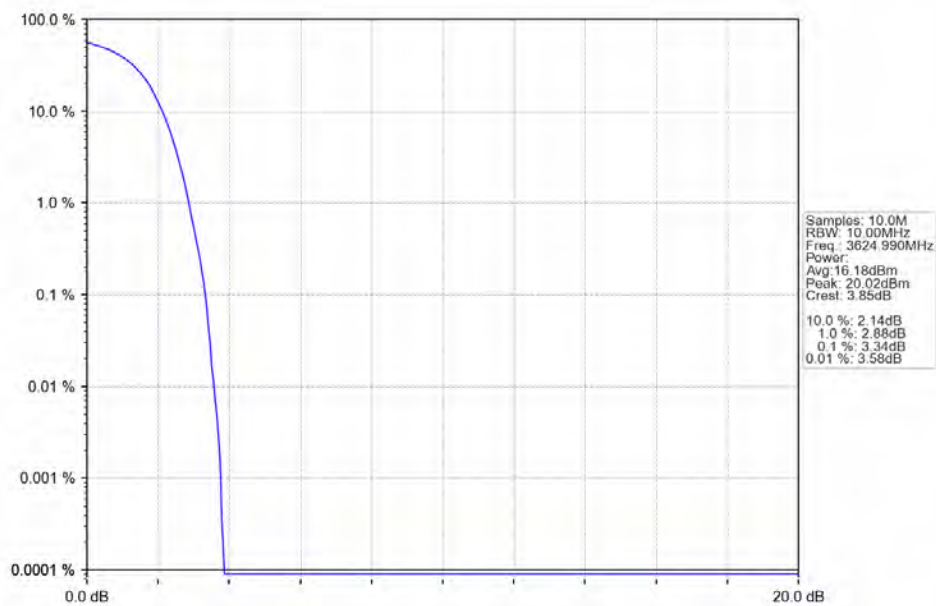




n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3555MHz\_Outer\_Full\_Ant1

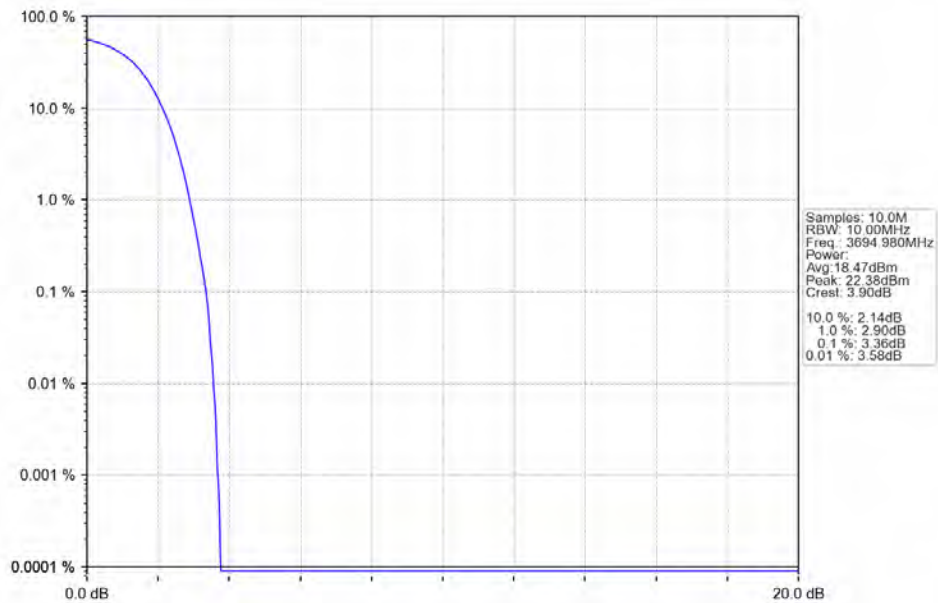


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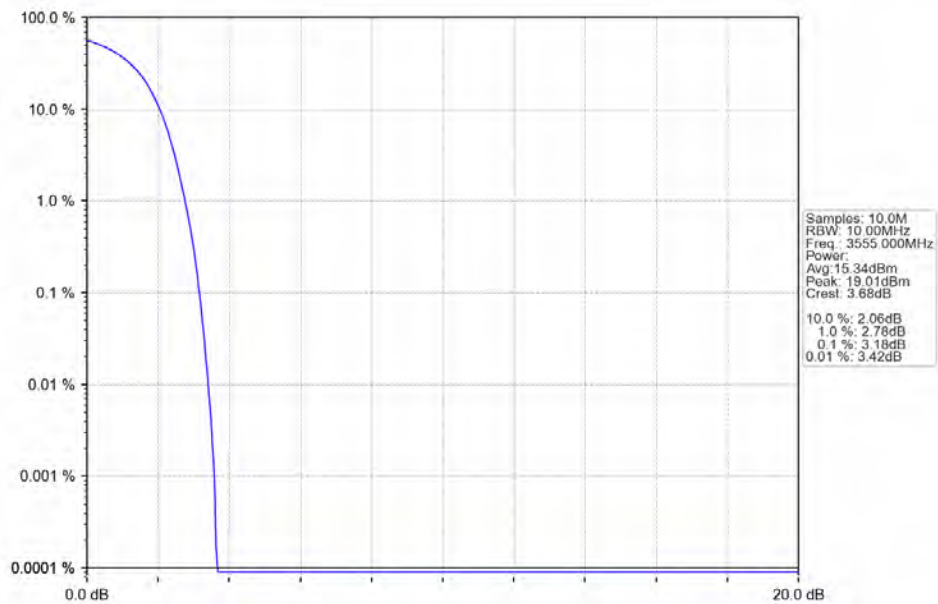




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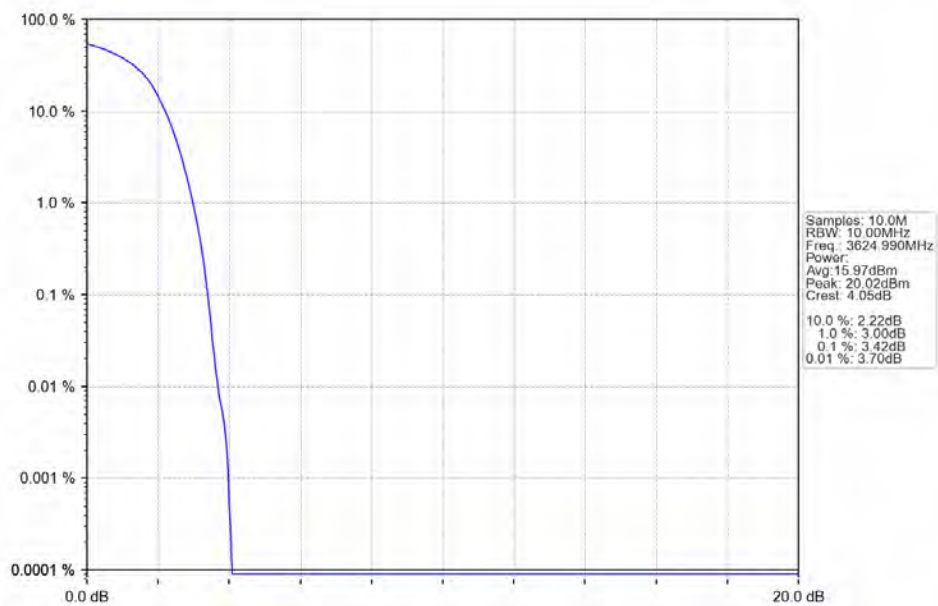


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Outer\_Full\_Ant1

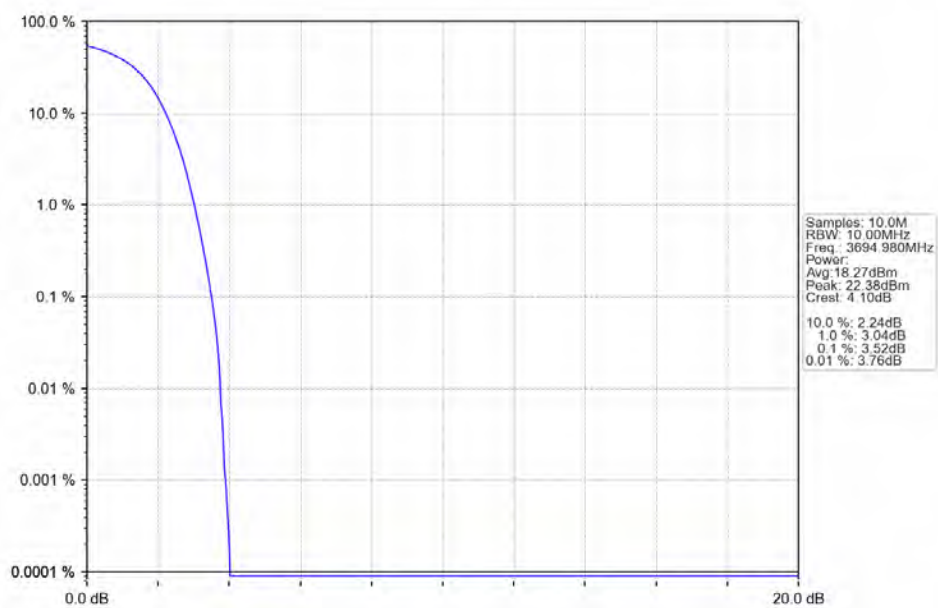




n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

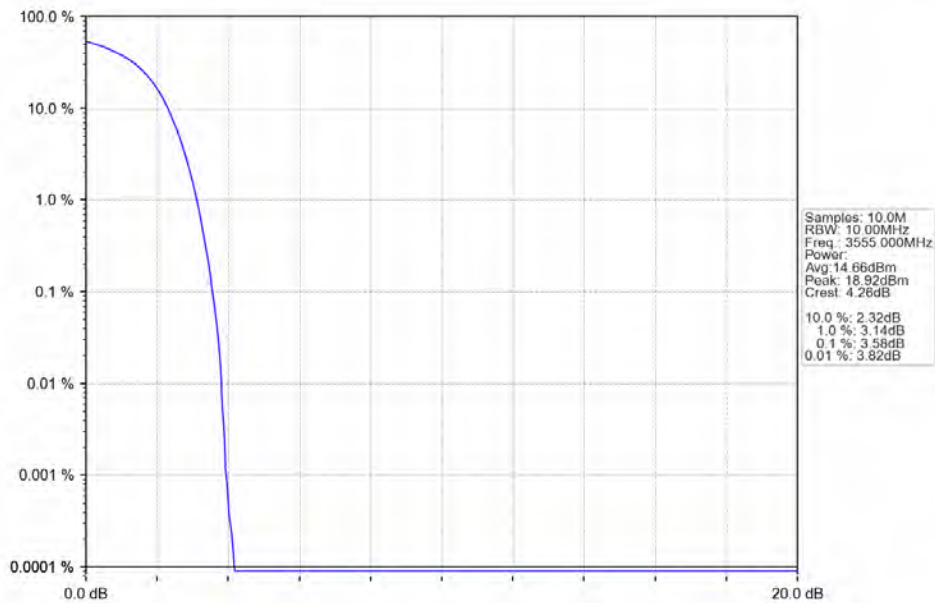


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Outer\_Full\_Ant1

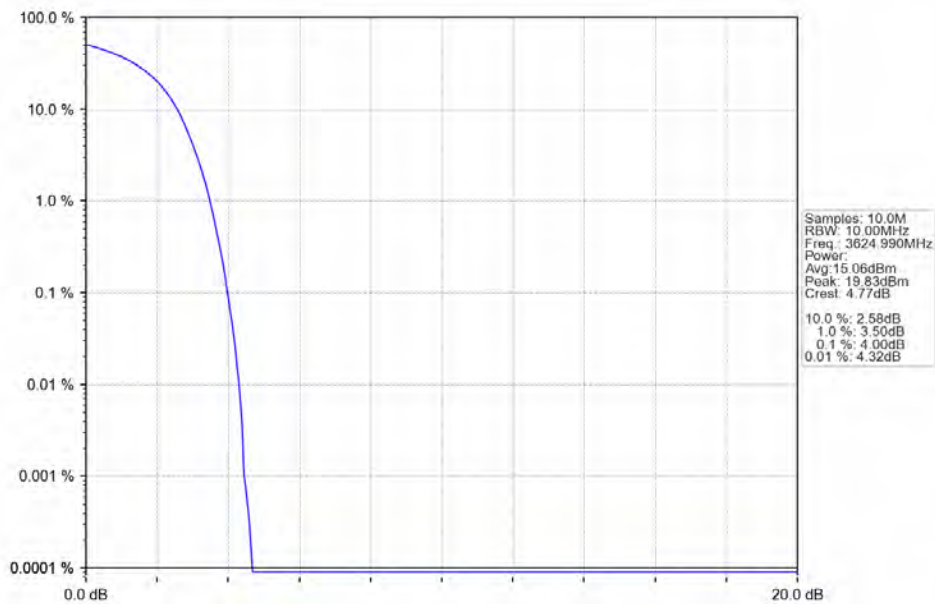




n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3555MHz\_Outer\_Full\_Ant1

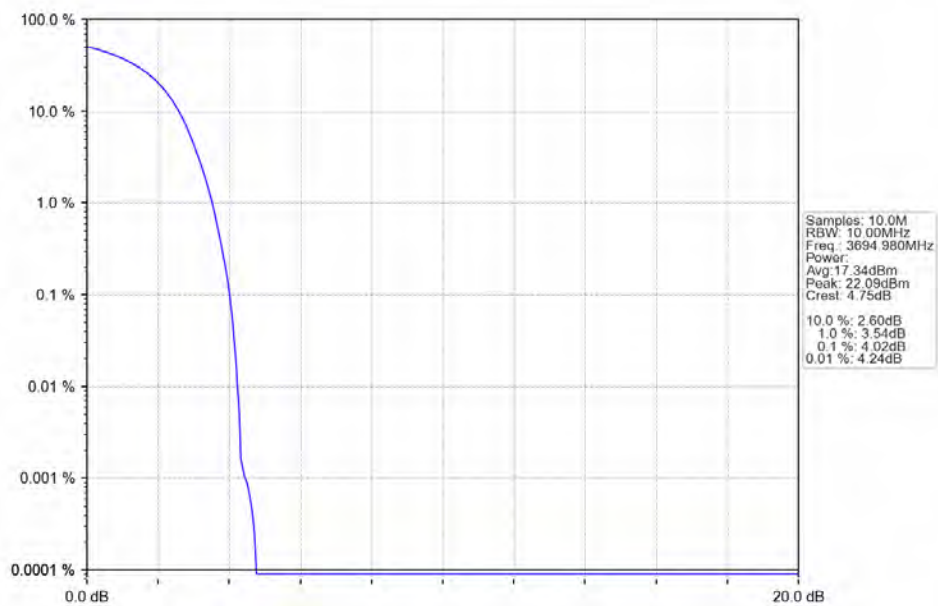


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1

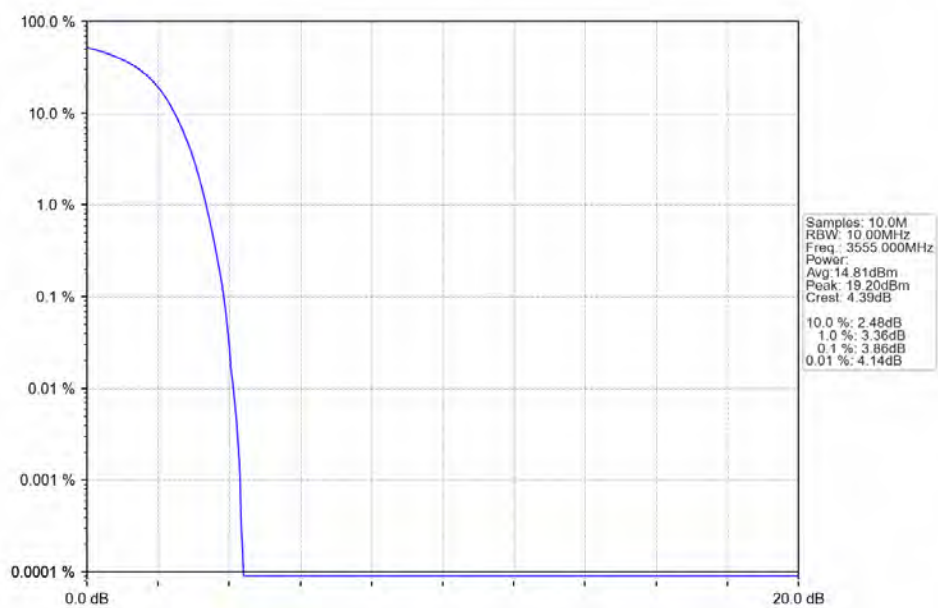




n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Outer\_Full\_Ant1

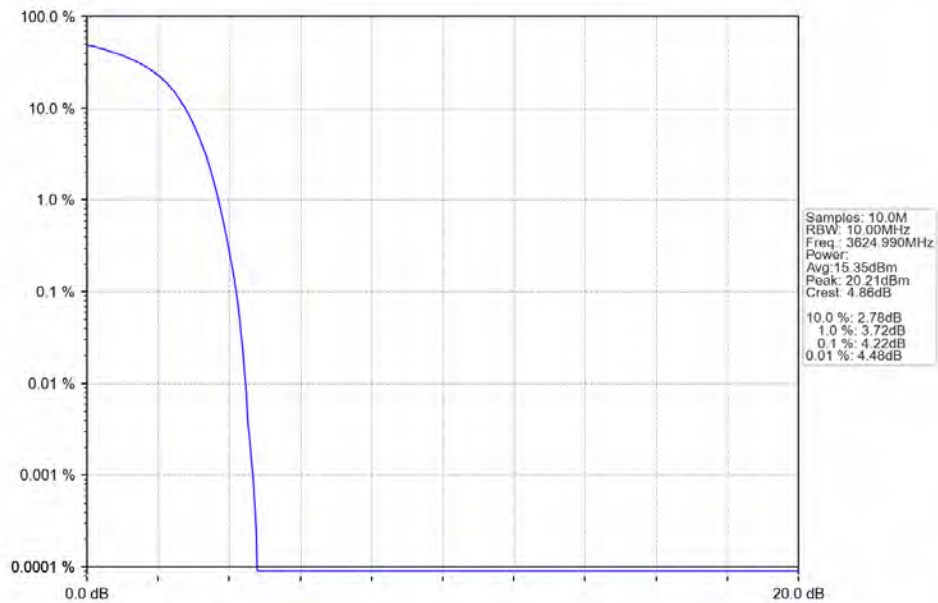


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Outer\_Full\_Ant1

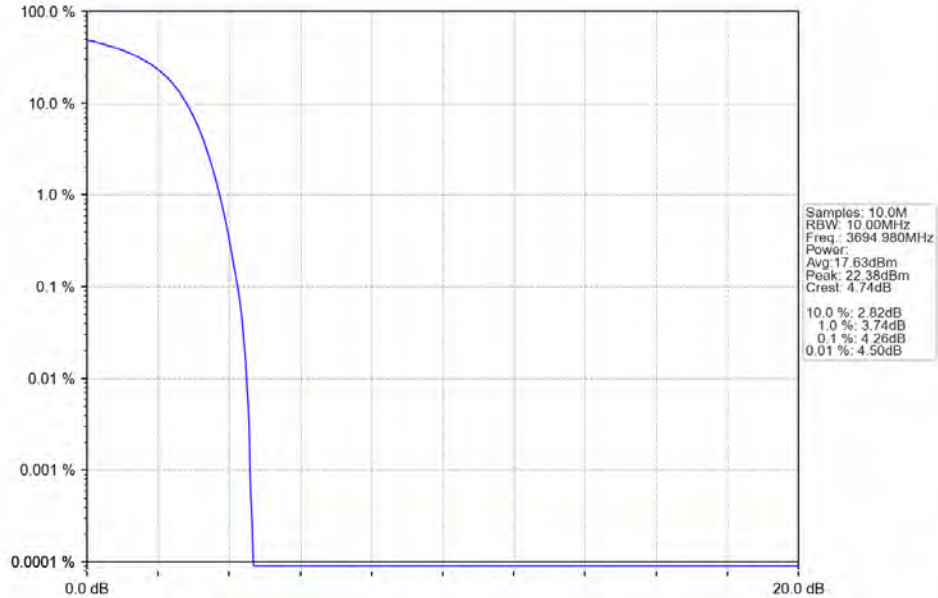




n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

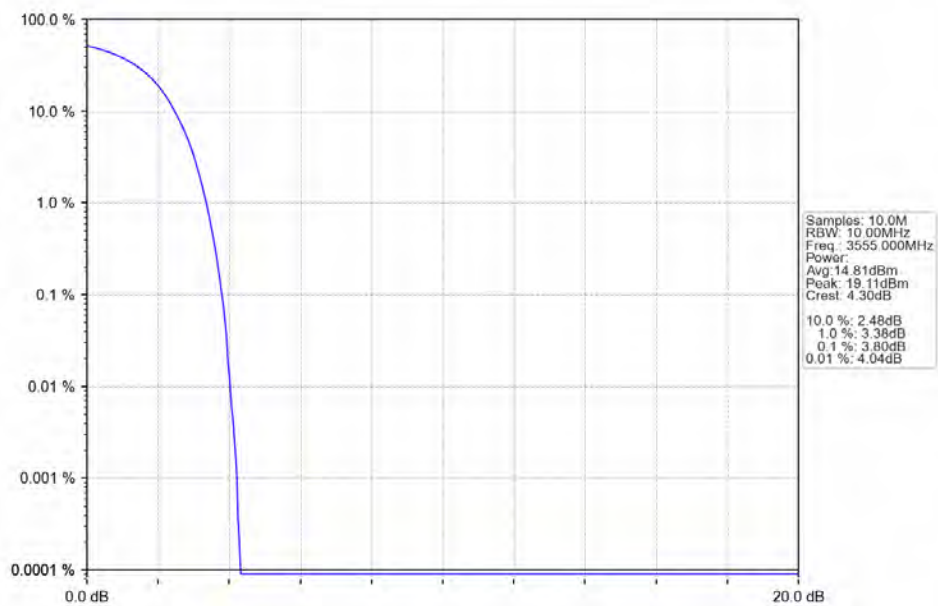


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Outer\_Full\_Ant1

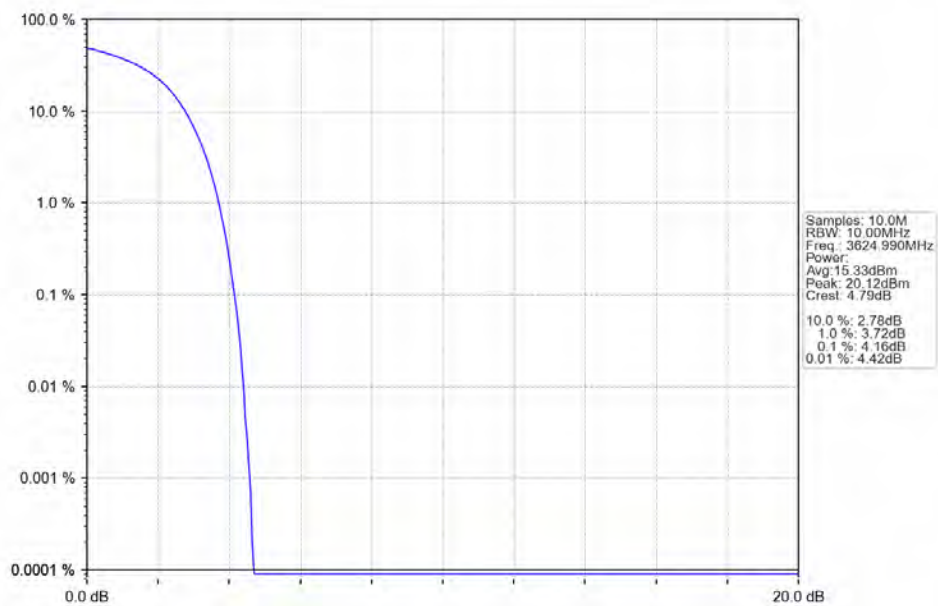




n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3555MHz\_Outer\_Full\_Ant1

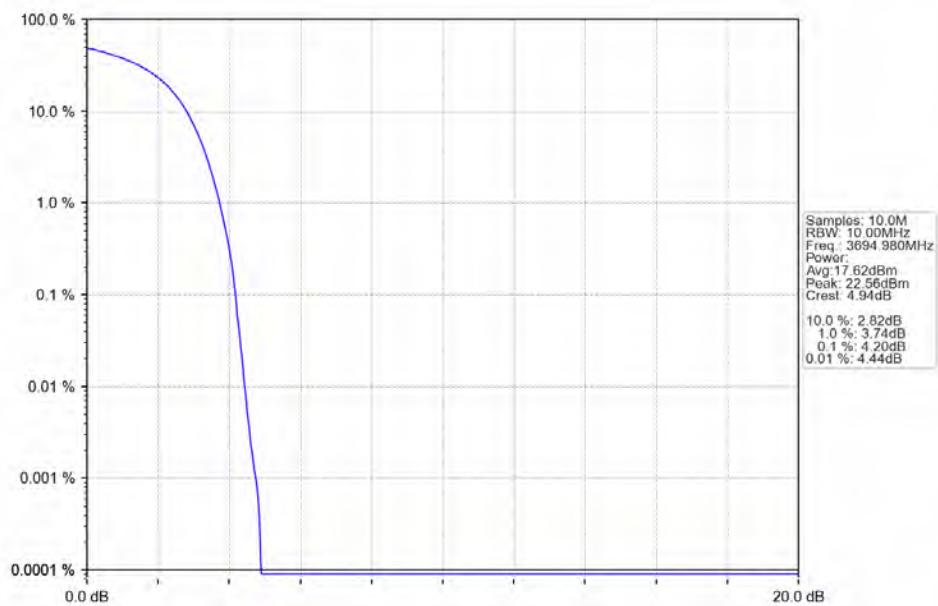


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

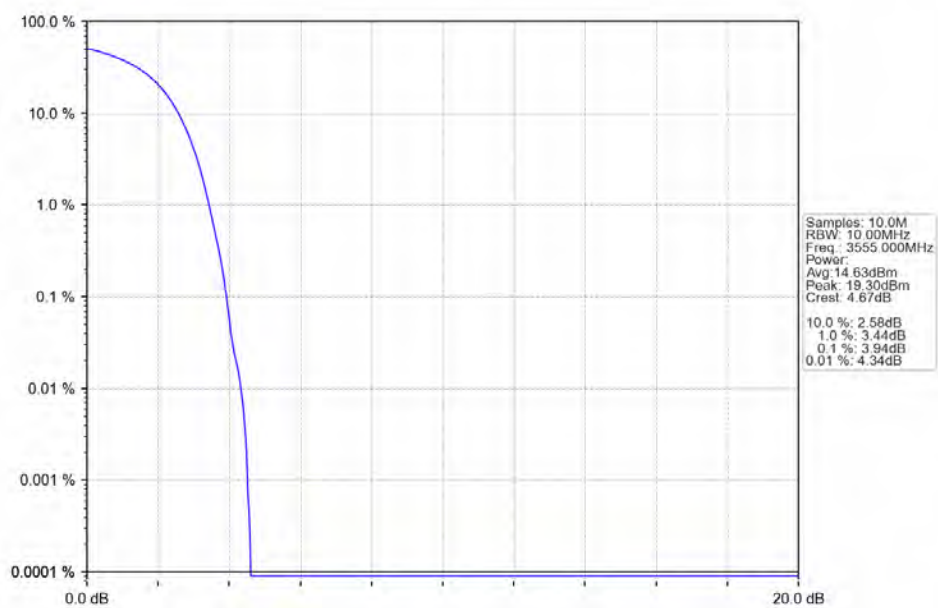




n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Outer\_Full\_Ant1

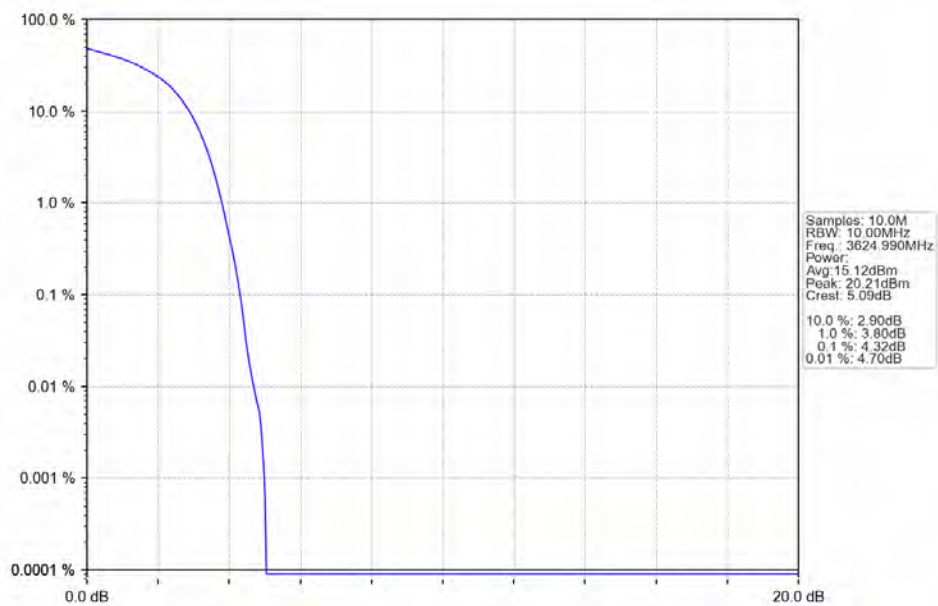


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Outer\_Full\_Ant1

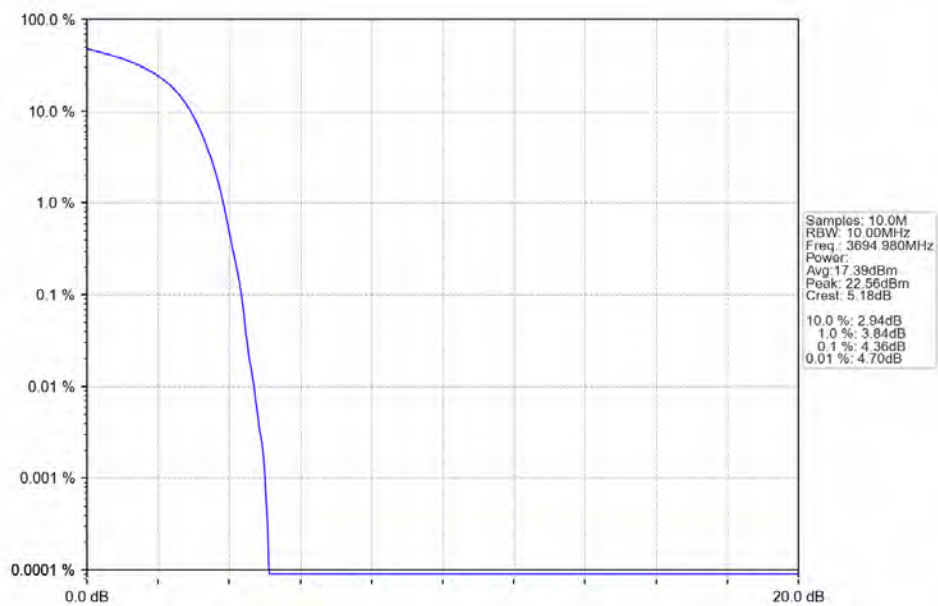




n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

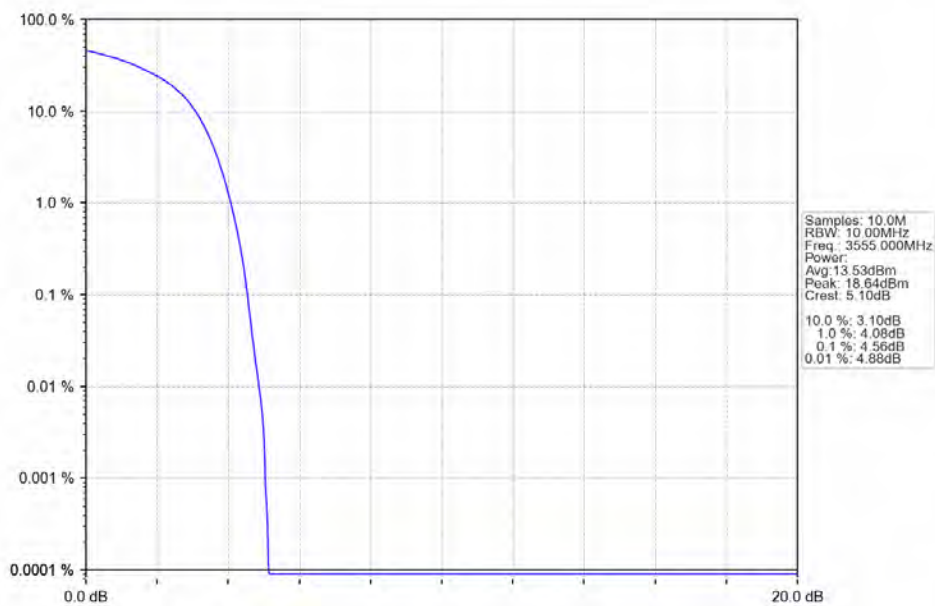


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3694.98MHz\_Outer\_Full\_Ant1

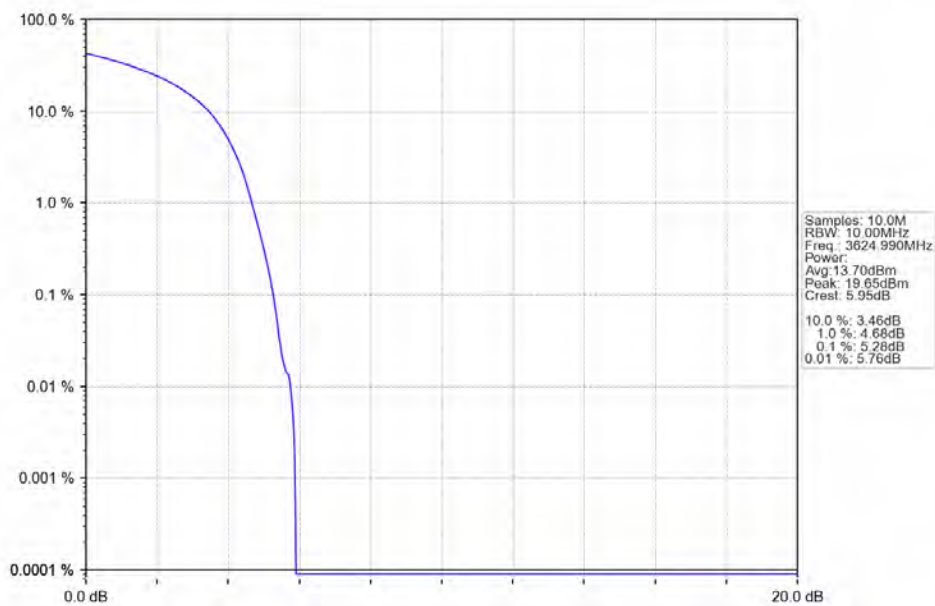




n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Outer\_Full\_Ant1

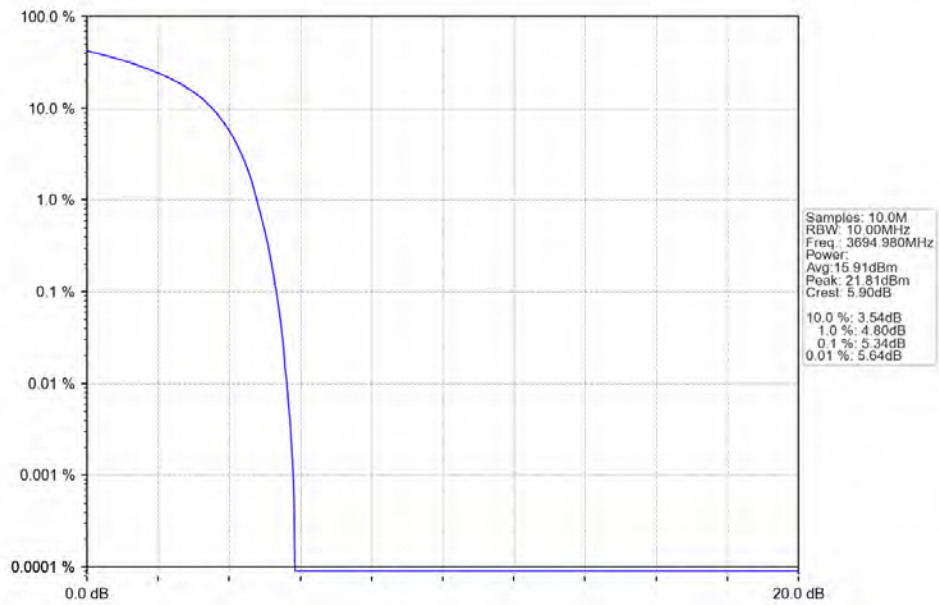


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1



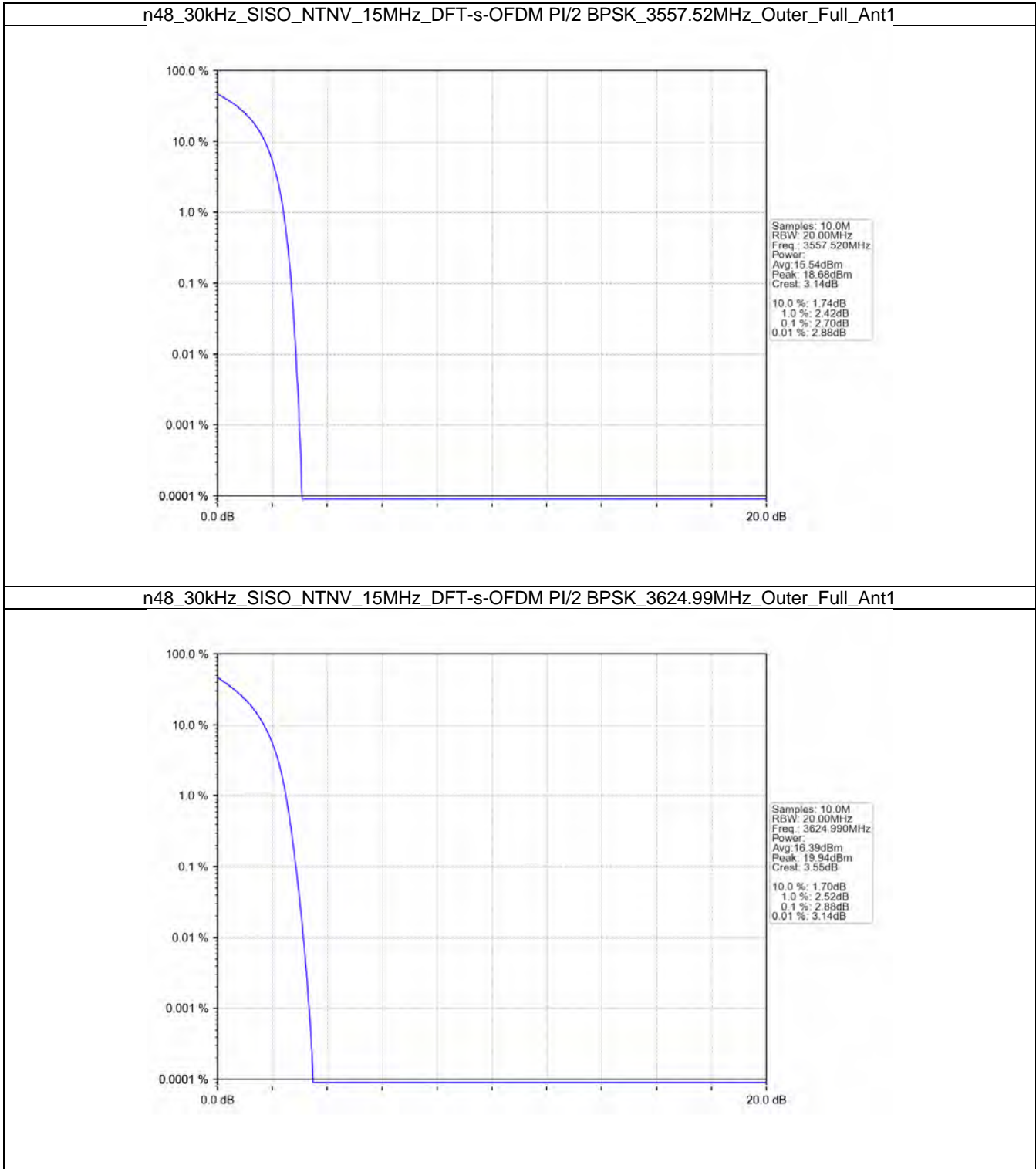


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Outer\_Full\_Ant1



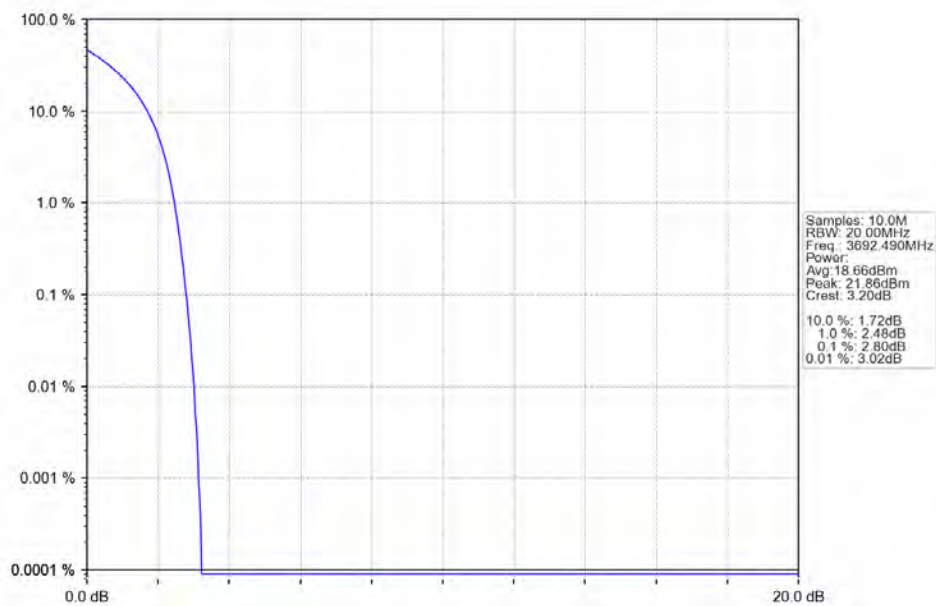


4.2.2 30\_SISO\_15M\_NTNV

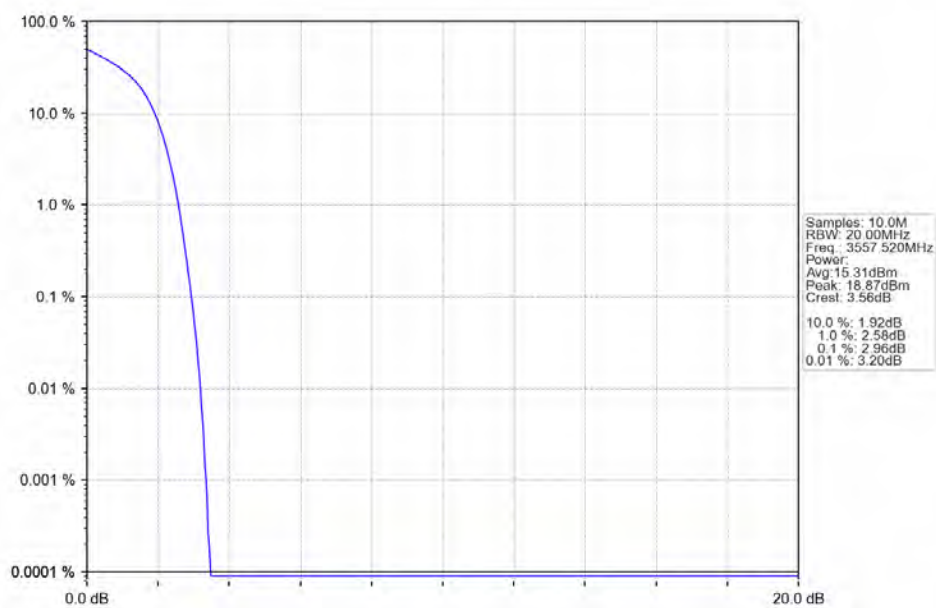




n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Outer\_Full\_Ant1

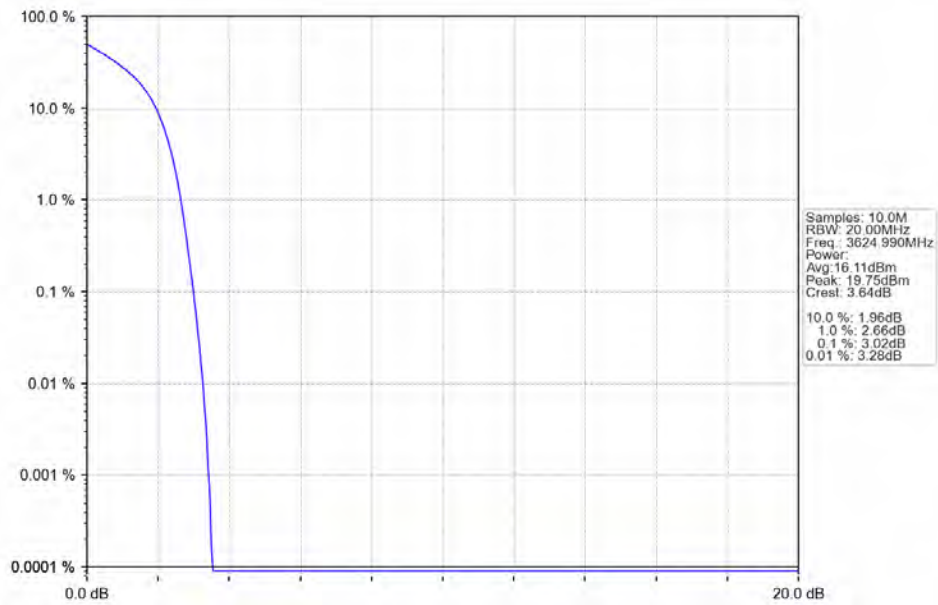


n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Outer\_Full\_Ant1

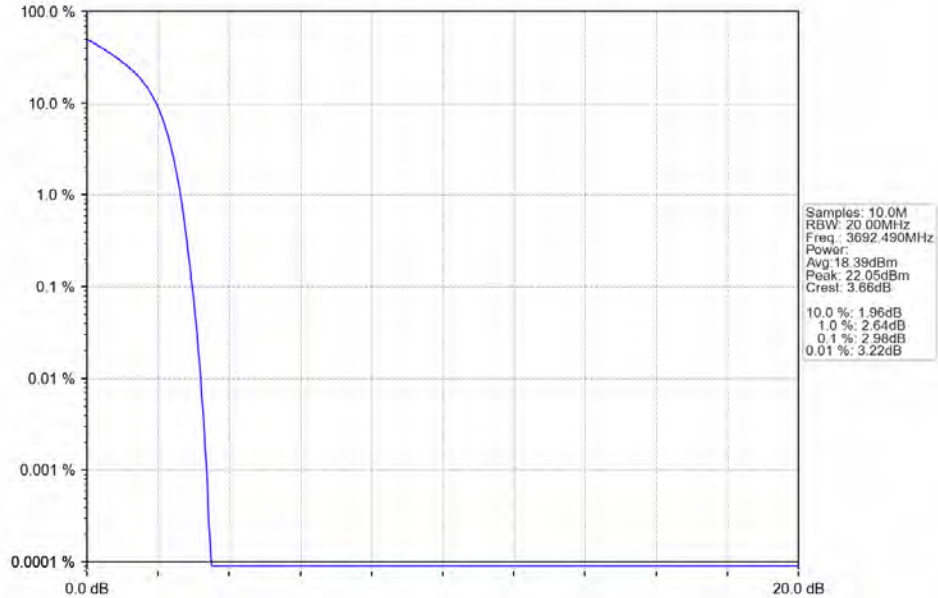




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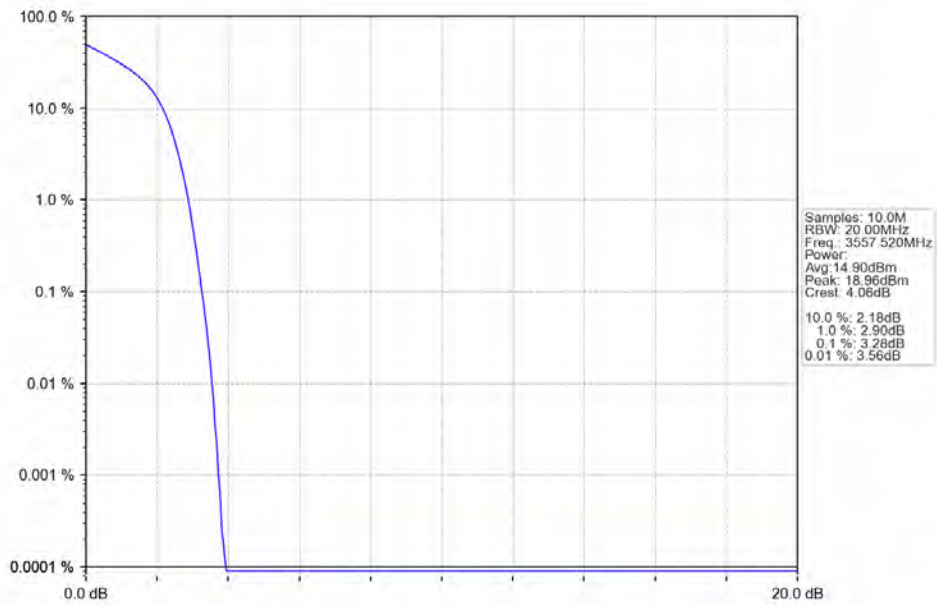


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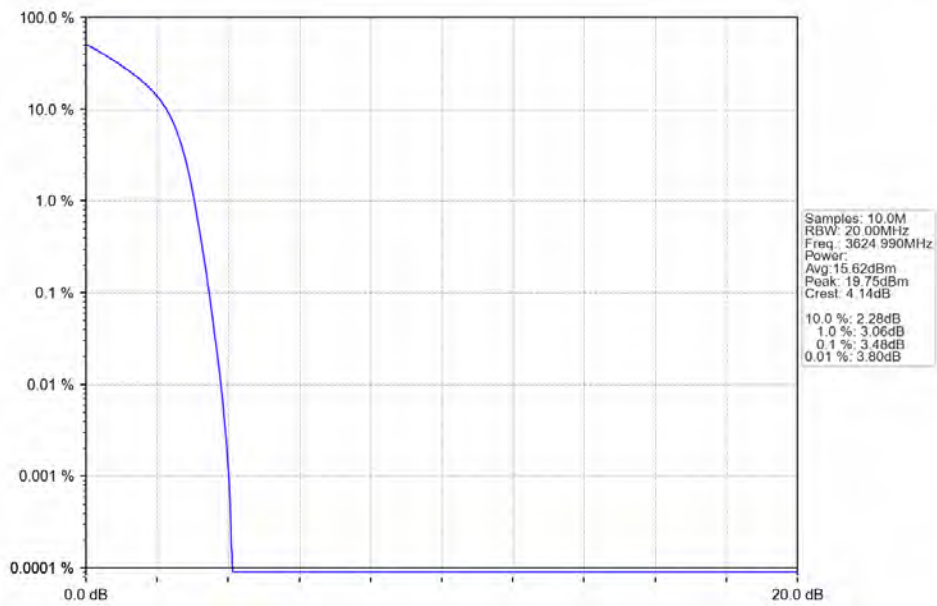




n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_16\_QAM\_3557.52MHz\_Outer\_Full\_Ant1

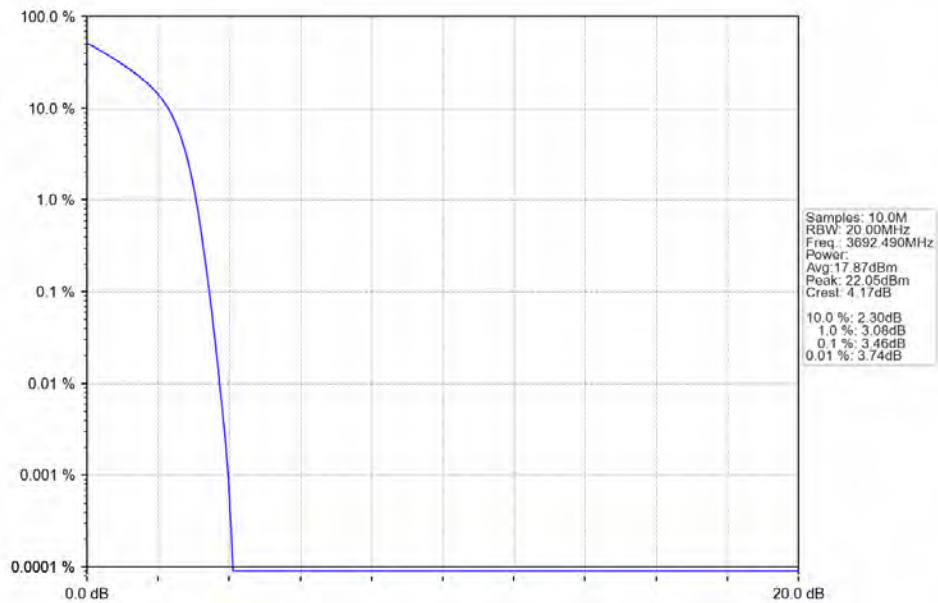


n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_16\_QAM\_3624.99MHz\_Outer\_Full\_Ant1

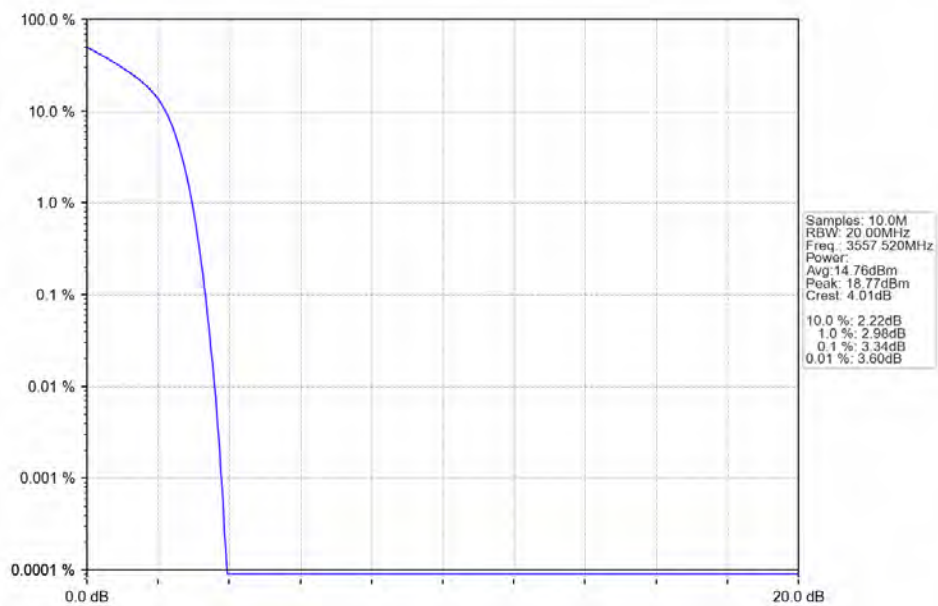




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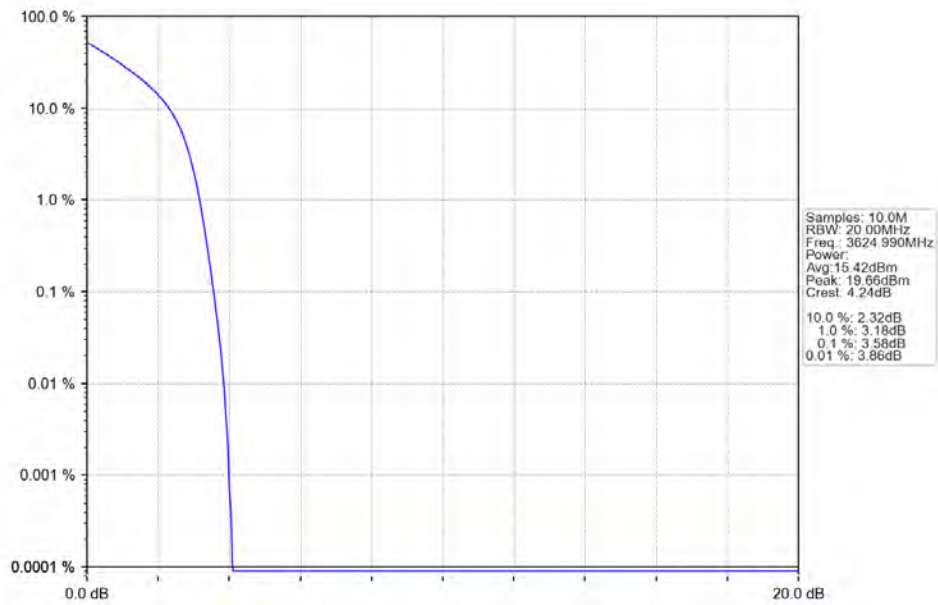


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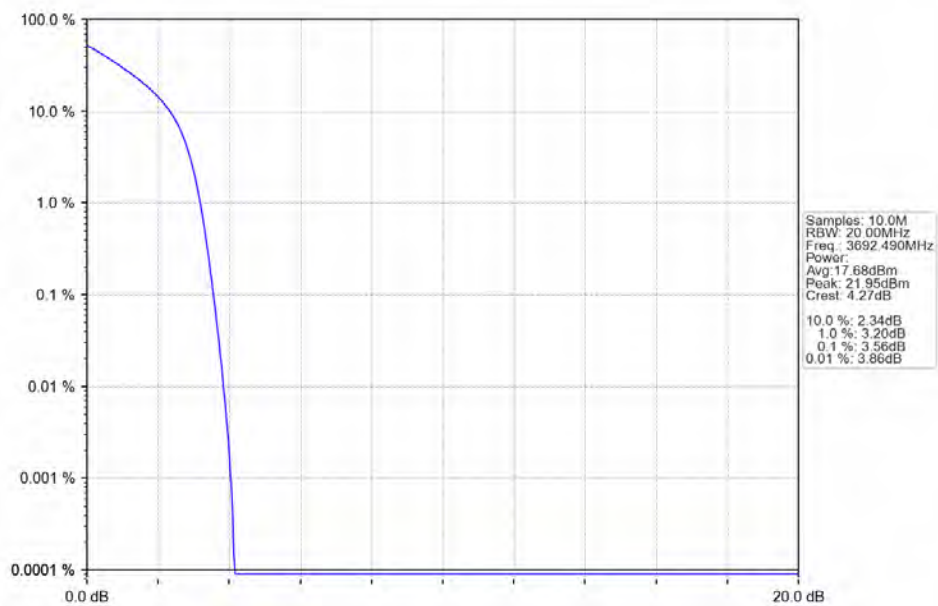




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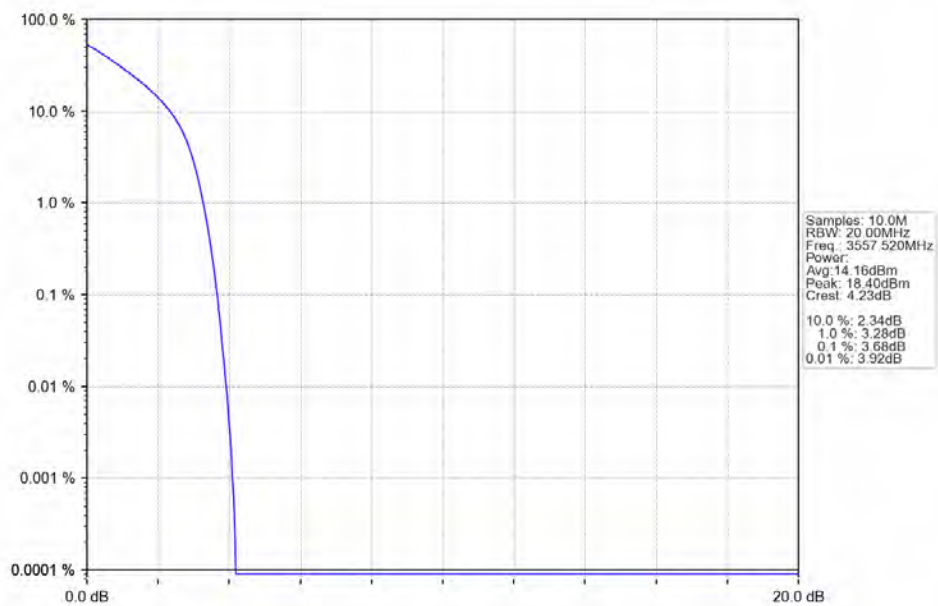


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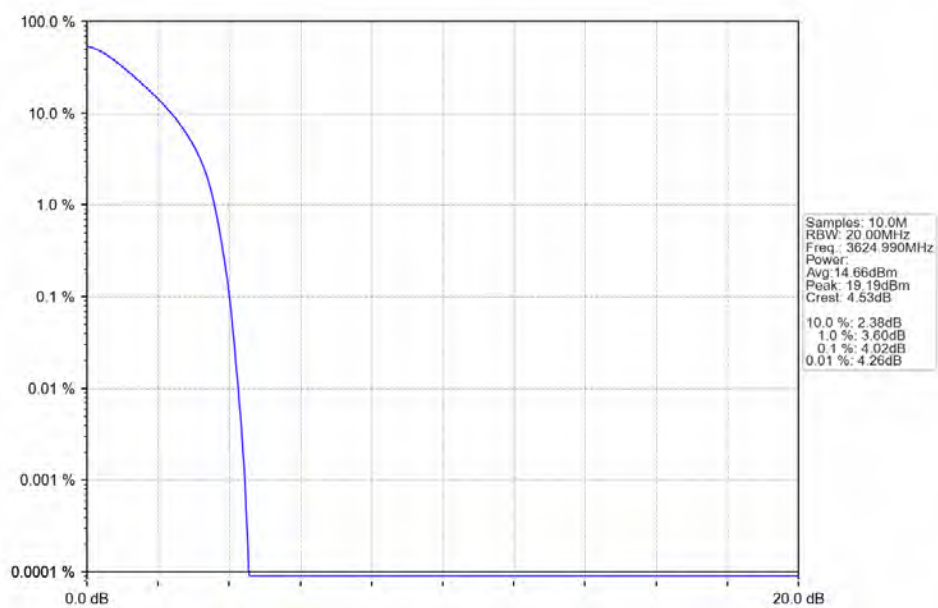




n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 256 QAM\_3557.52MHz\_Outer\_Full\_Ant1

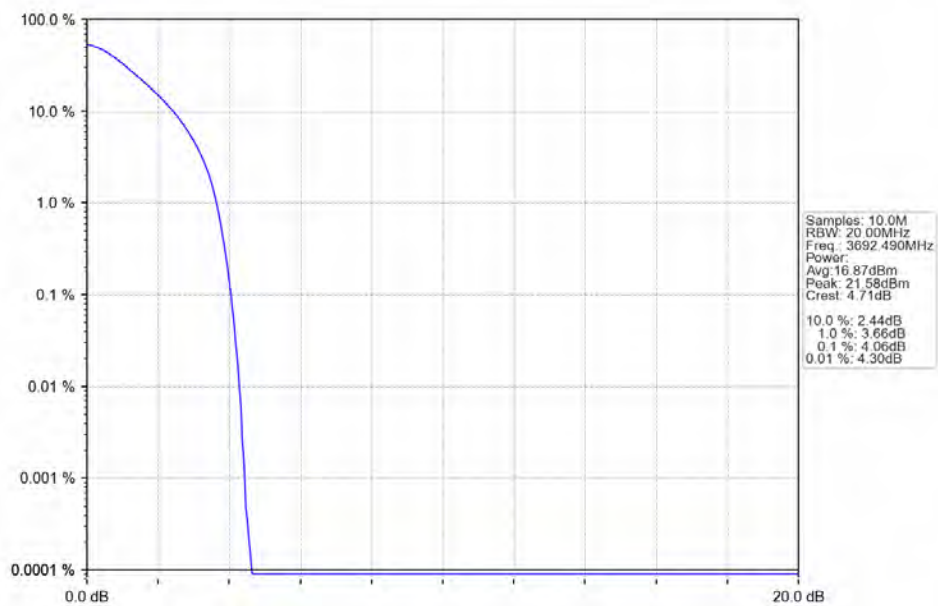


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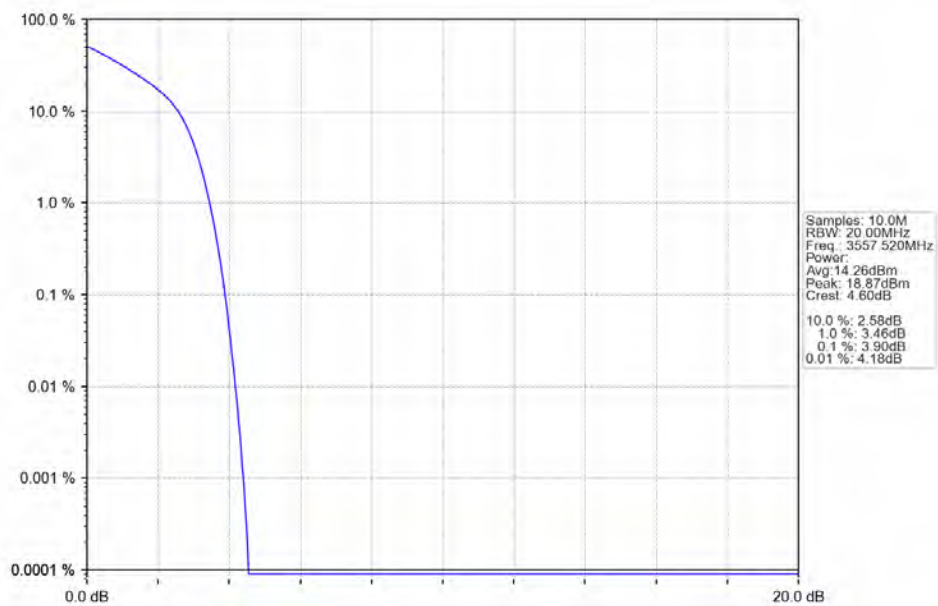




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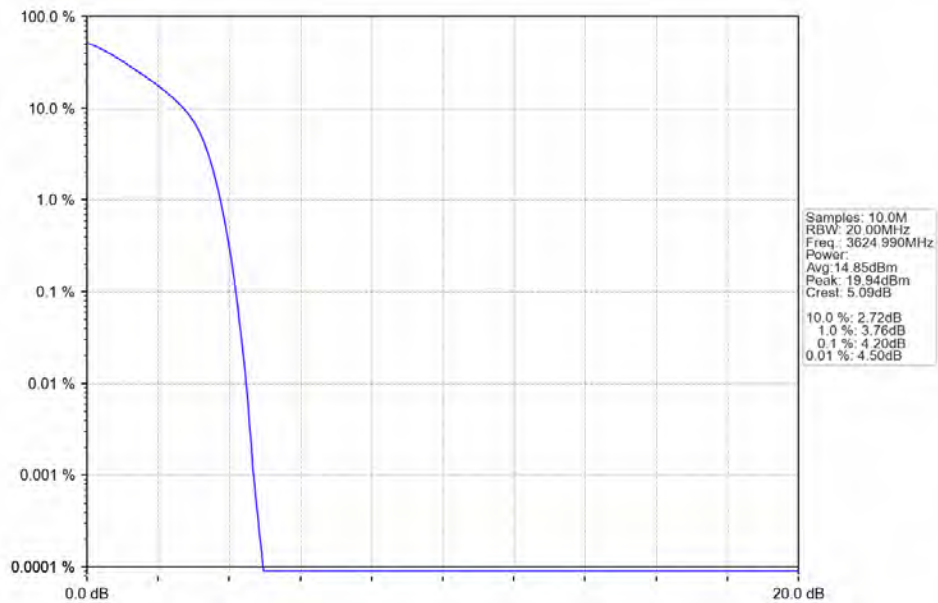


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3557.52MHz\_Outer\_Full\_Ant1

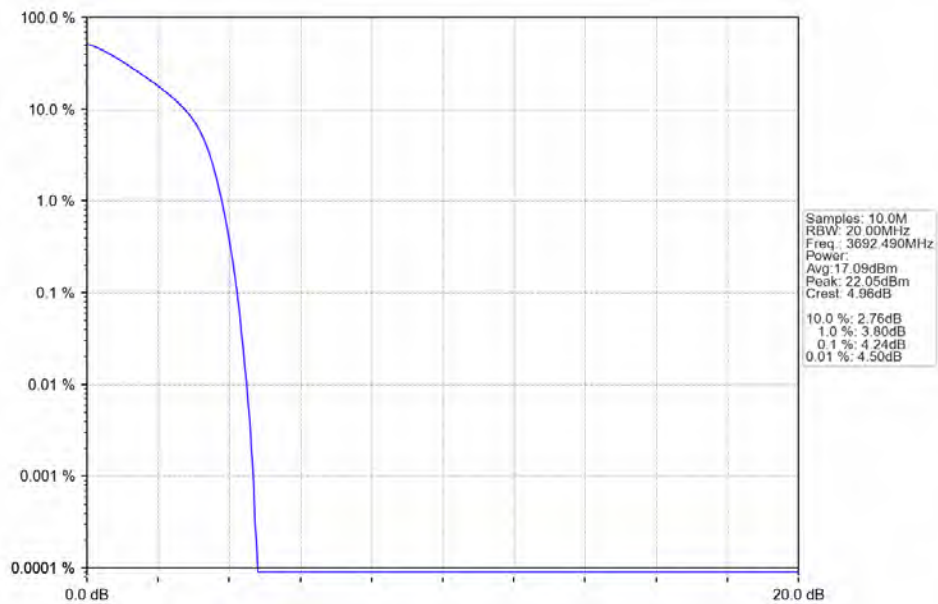




n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

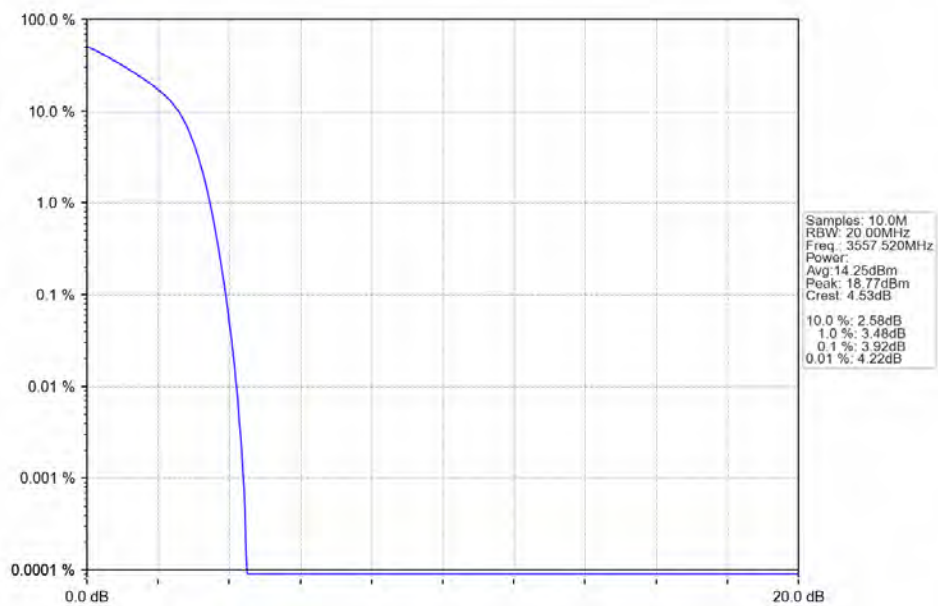


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3692.49MHz\_Outer\_Full\_Ant1

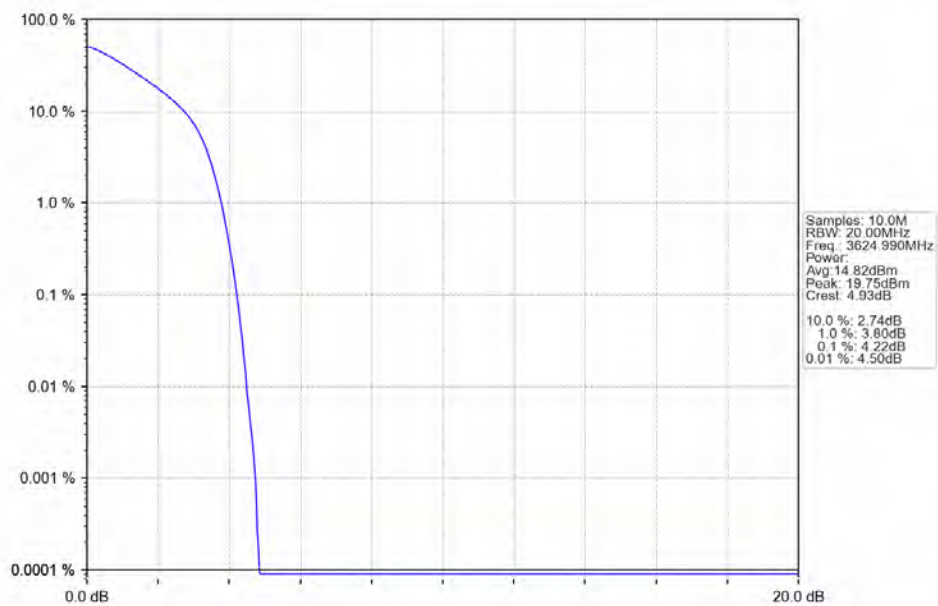




n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 16 QAM\_3557.52MHz\_Outer\_Full\_Ant1

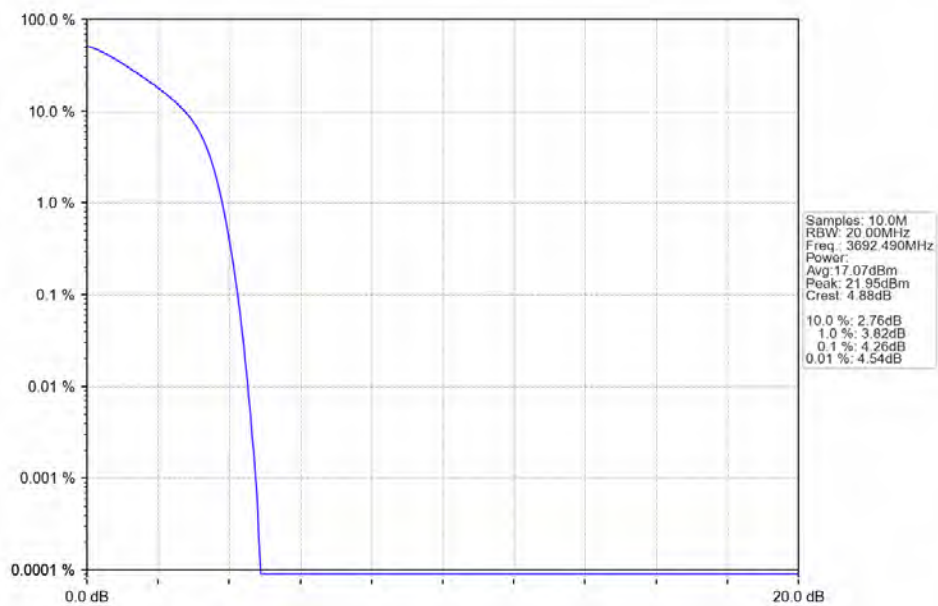


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

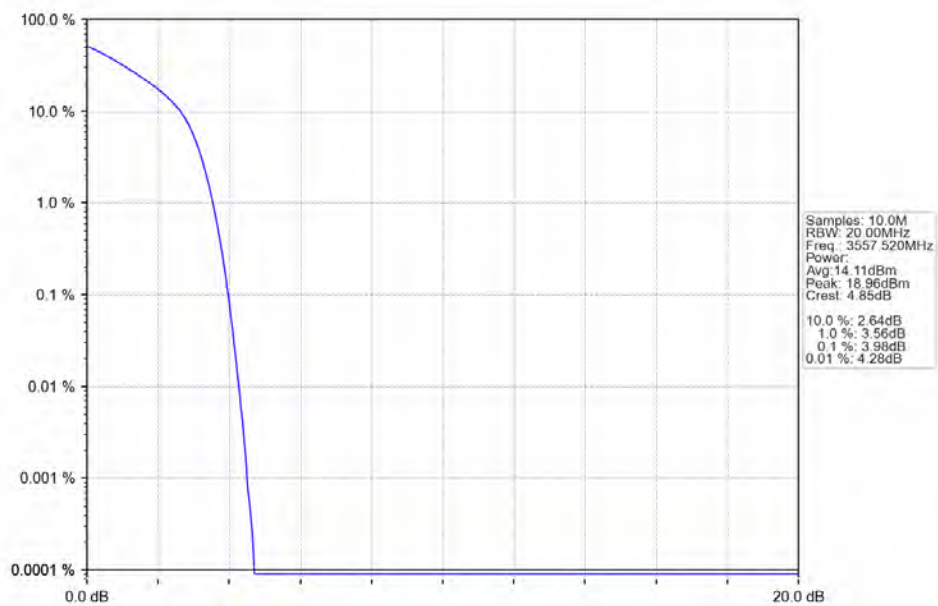




n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 16 QAM\_3692.49MHz\_Outer\_Full\_Ant1

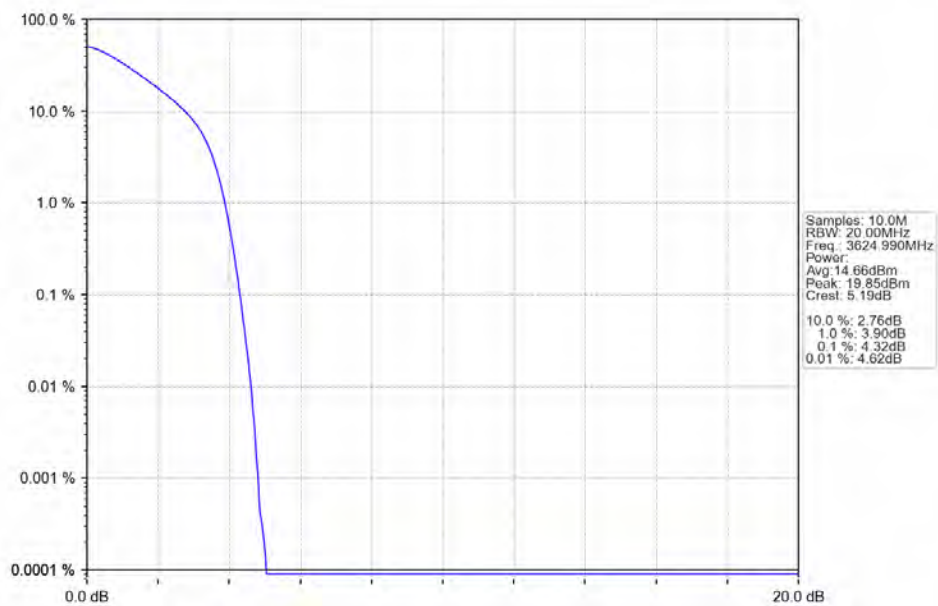


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 64 QAM\_3557.52MHz\_Outer\_Full\_Ant1

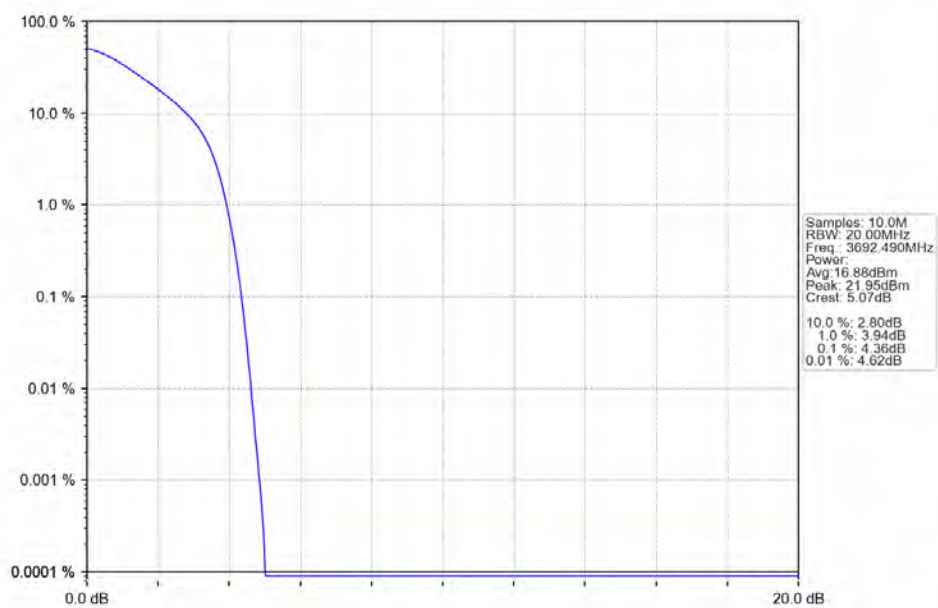




n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

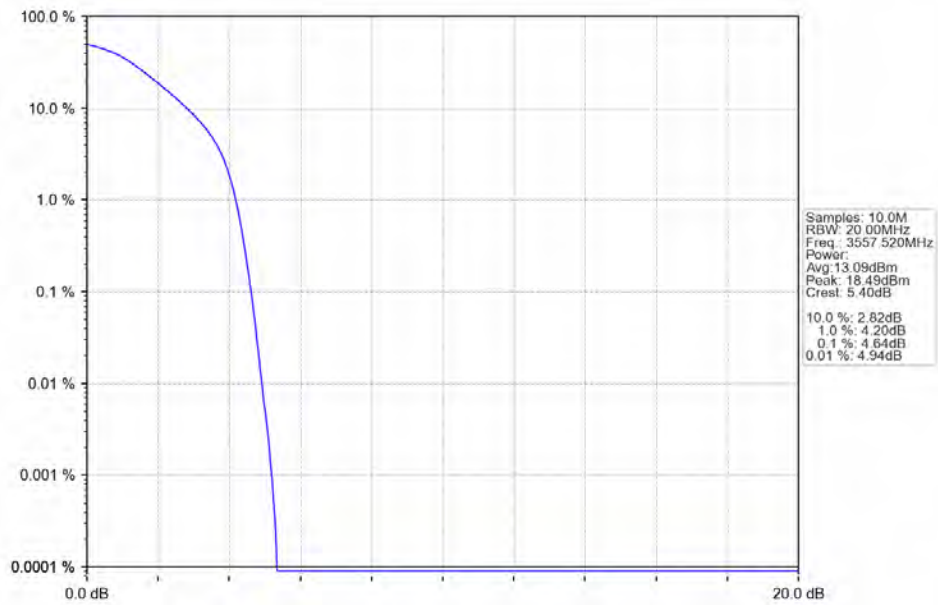


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 64 QAM\_3692.49MHz\_Outer\_Full\_Ant1

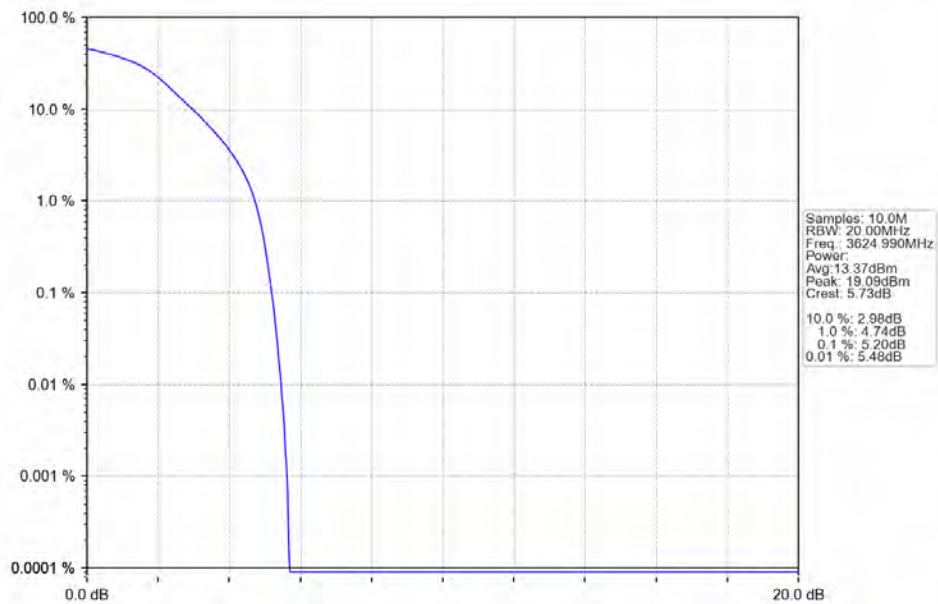




n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 256 QAM\_3557.52MHz\_Outer\_Full\_Ant1

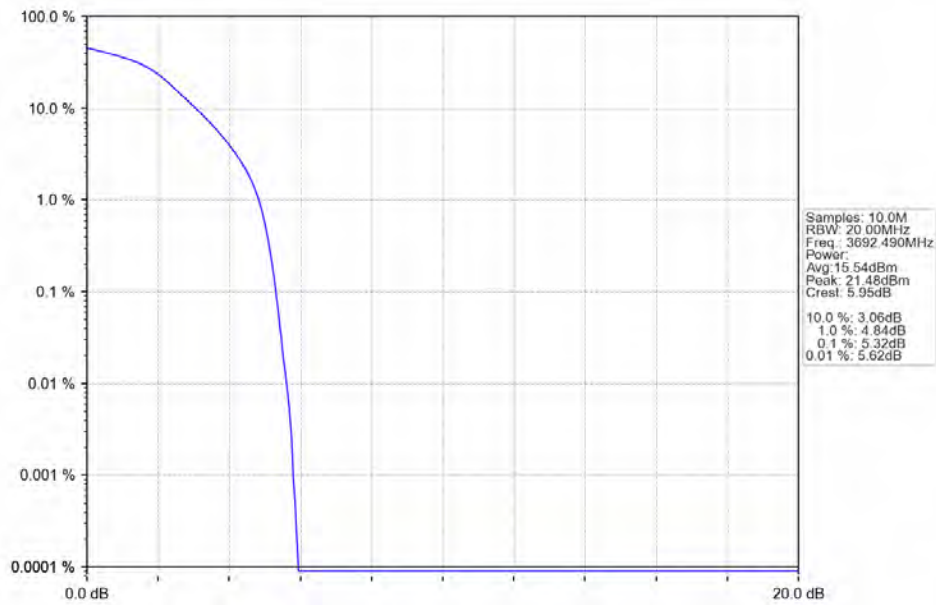


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1



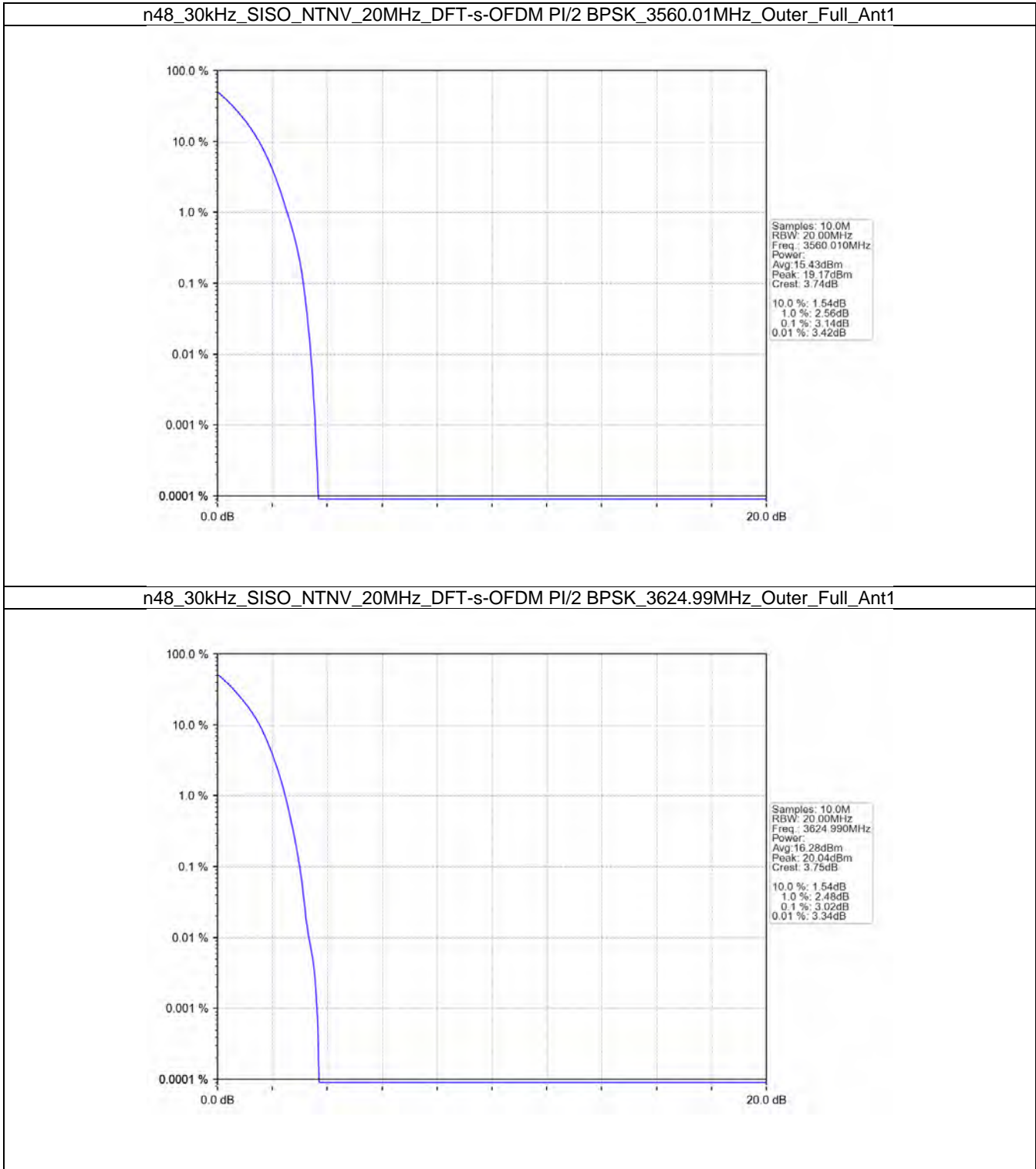


n48\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 256 QAM\_3692.49MHz\_Outer\_Full\_Ant1



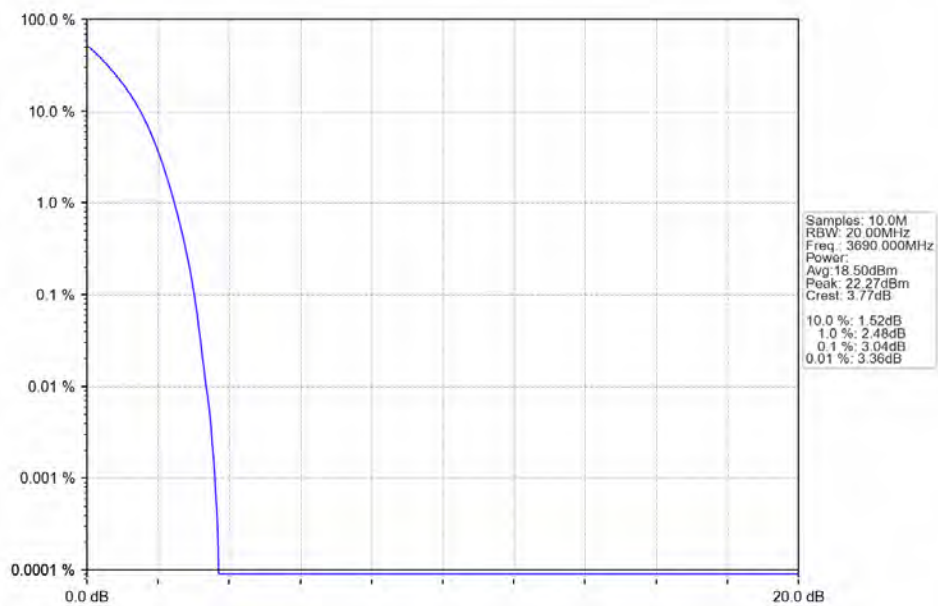


4.2.3 30\_SISO\_20M\_NTNV

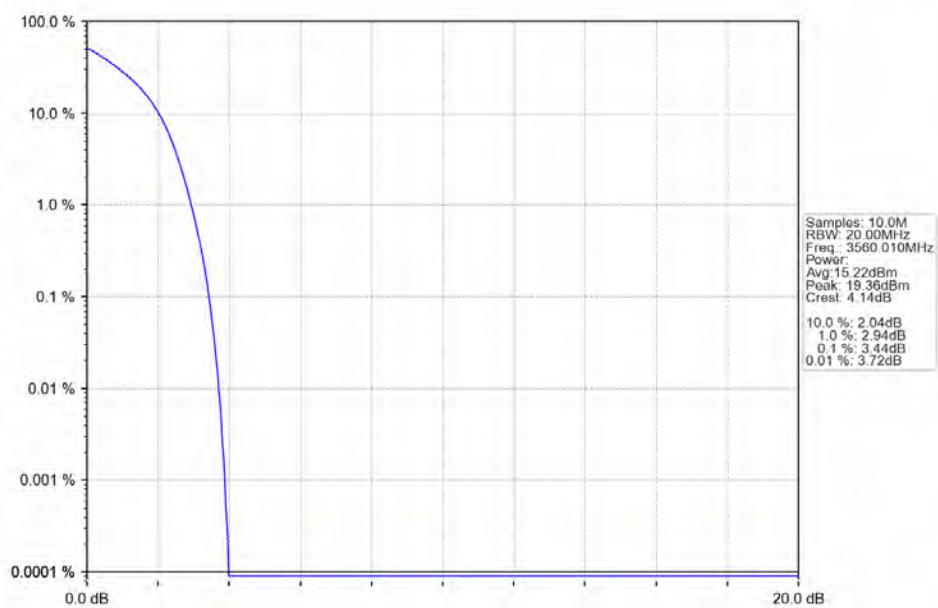




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Outer\_Full\_Ant1

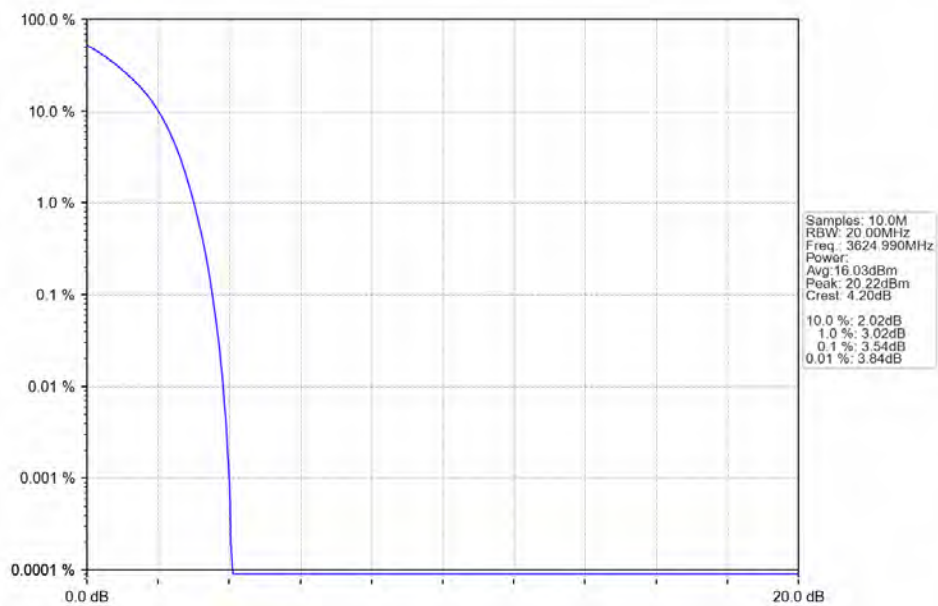


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3560.01MHz\_Outer\_Full\_Ant1

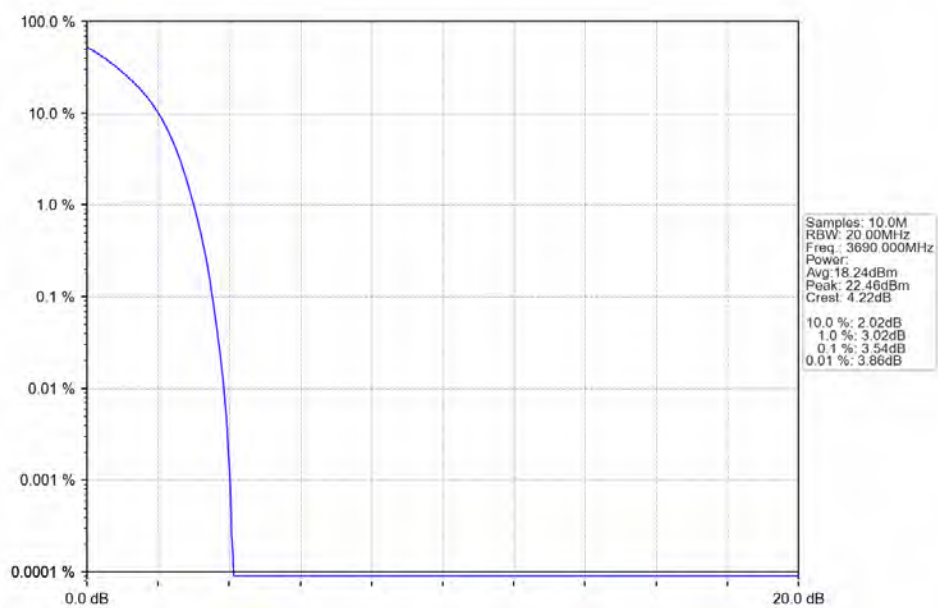




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

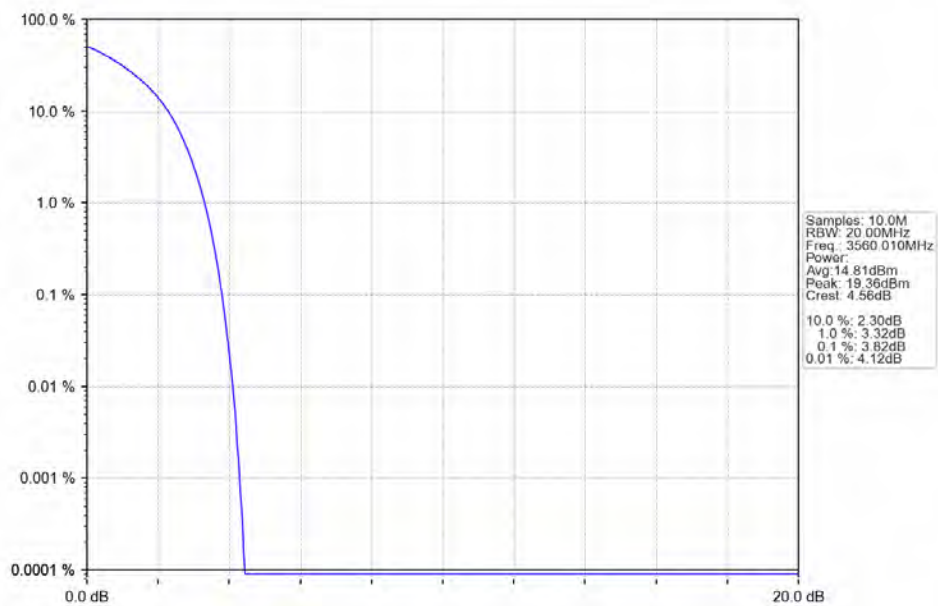


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3690MHz\_Outer\_Full\_Ant1

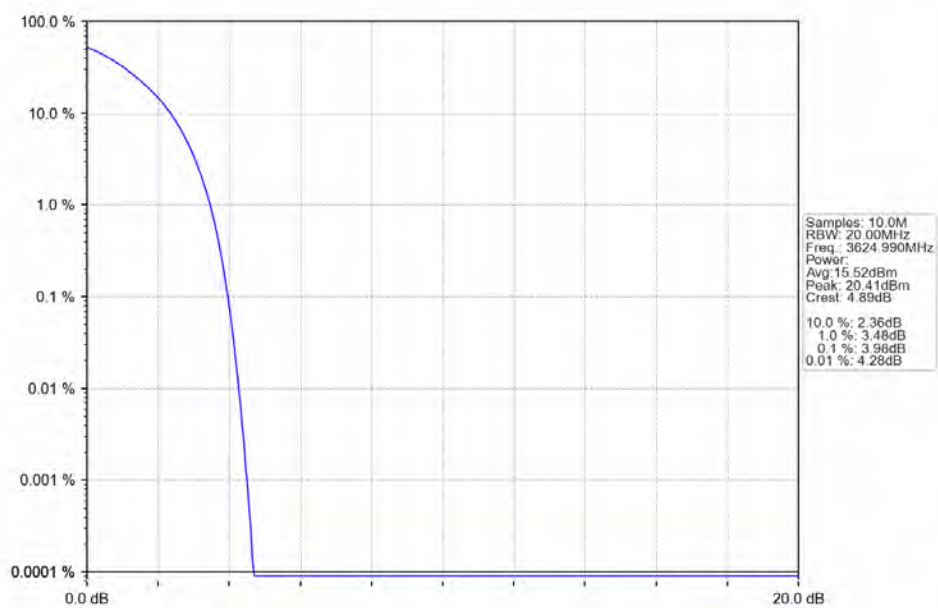




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3560.01MHz\_Outer\_Full\_Ant1

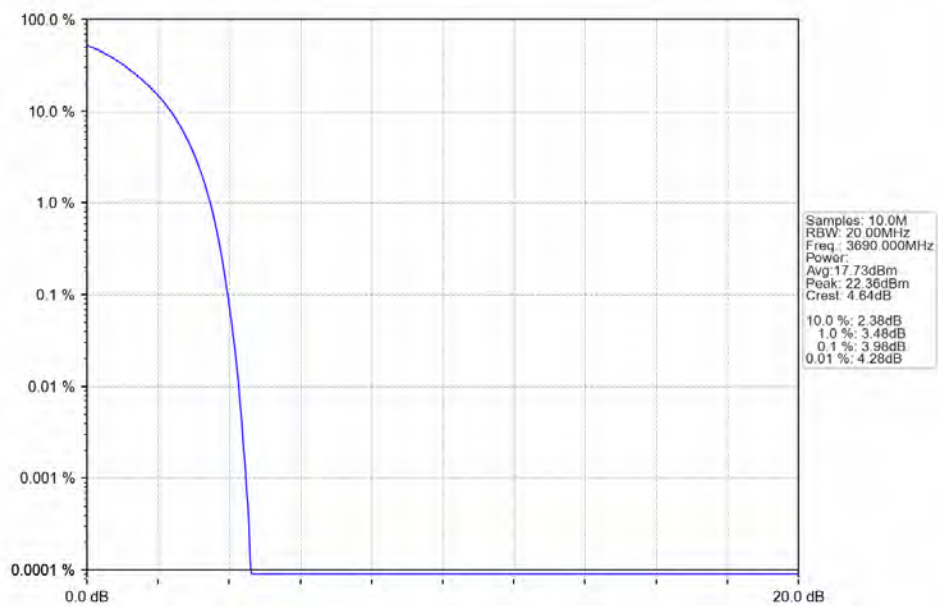


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

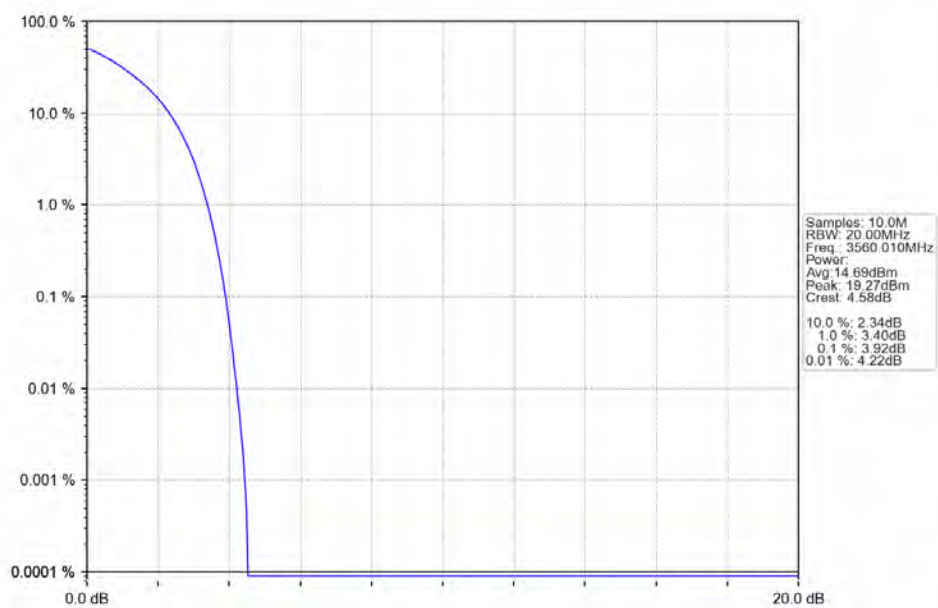




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3690MHz\_Outer\_Full\_Ant1

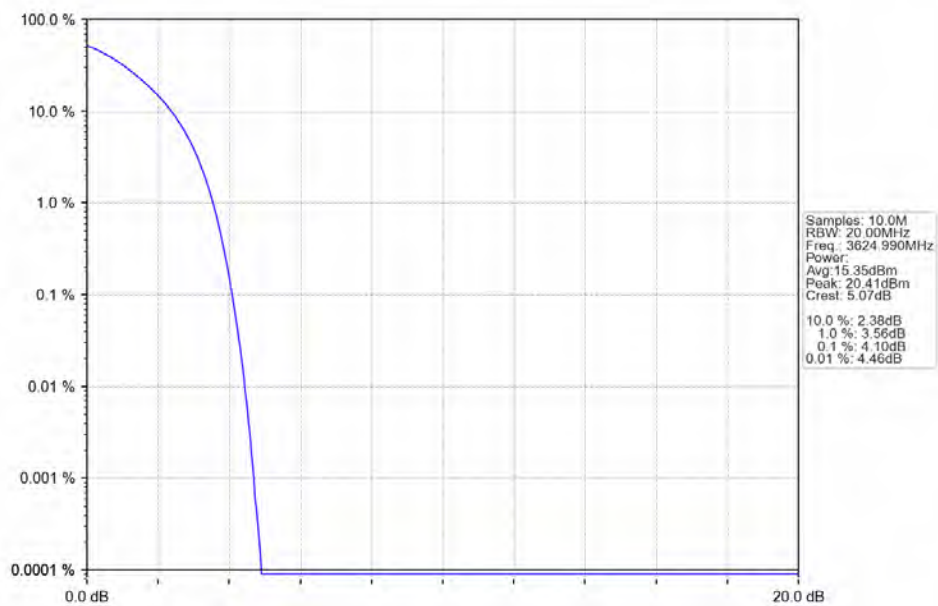


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3560.01MHz\_Outer\_Full\_Ant1

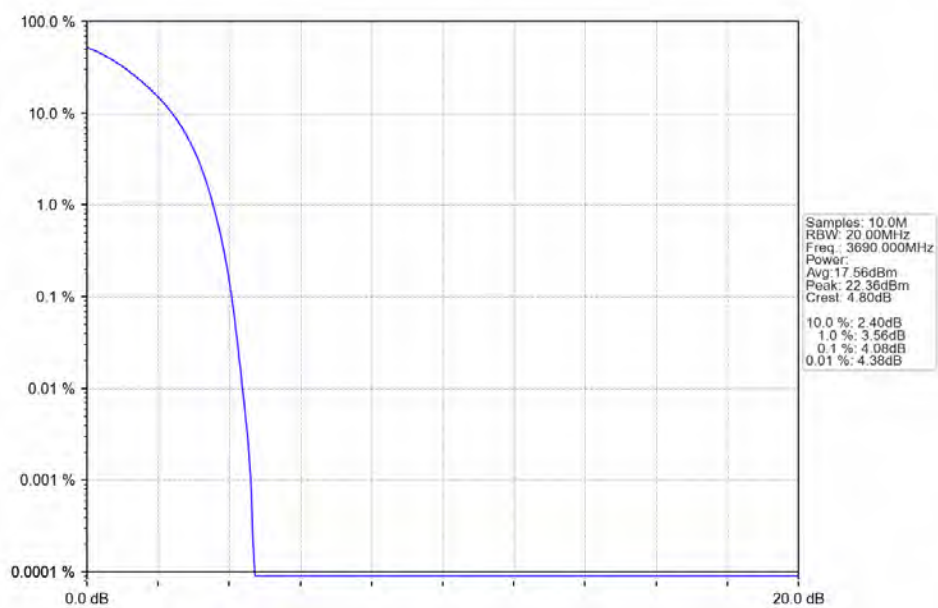




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

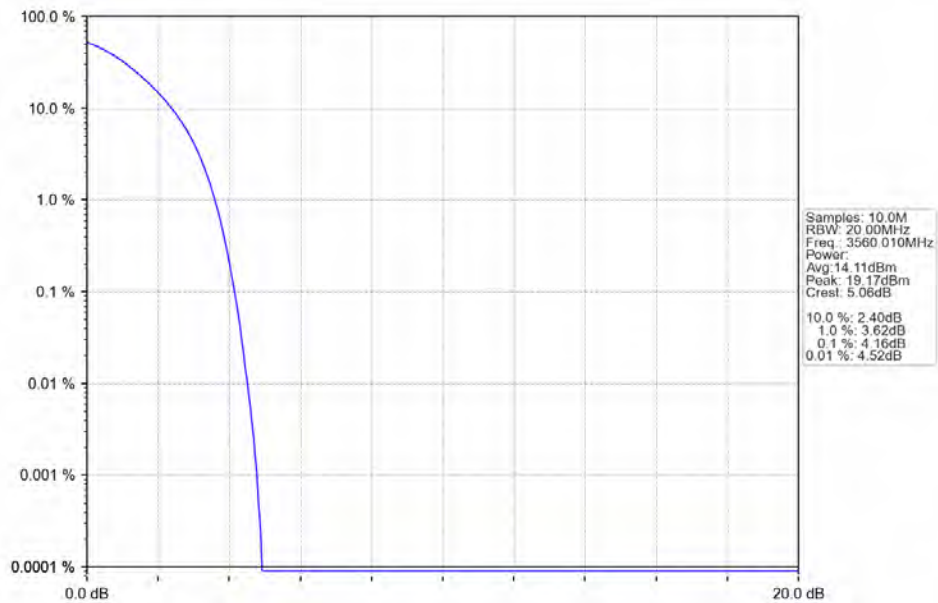


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3690MHz\_Outer\_Full\_Ant1

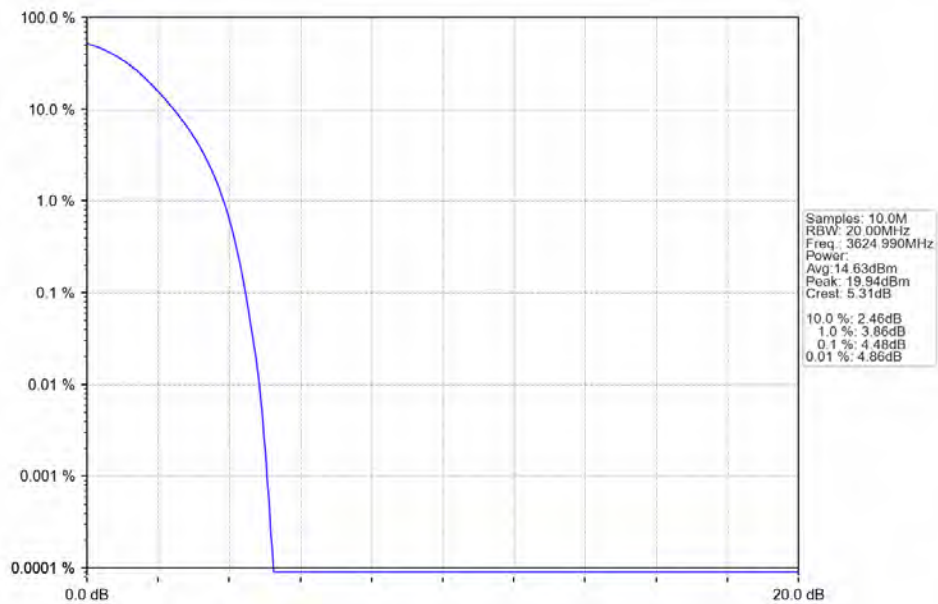




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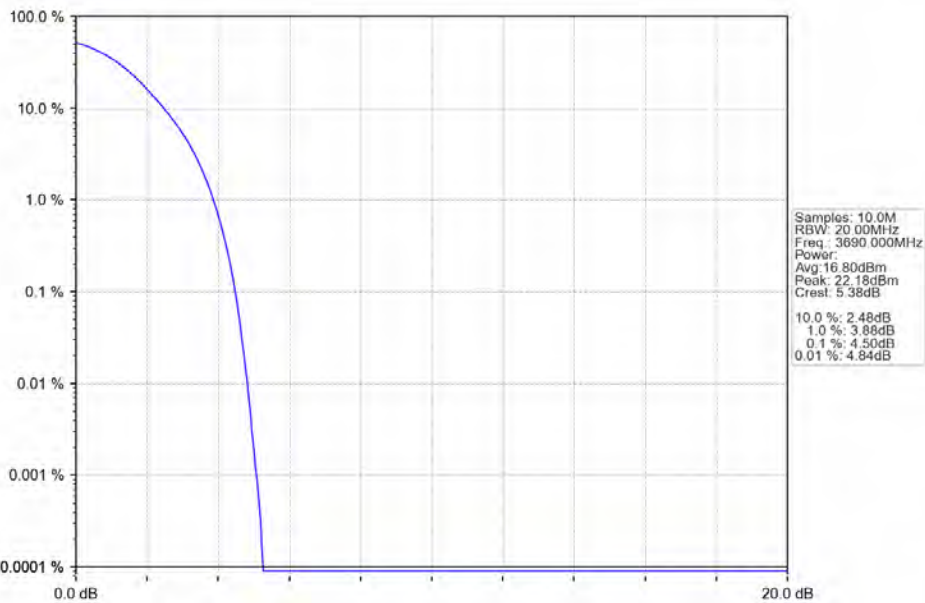


n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1

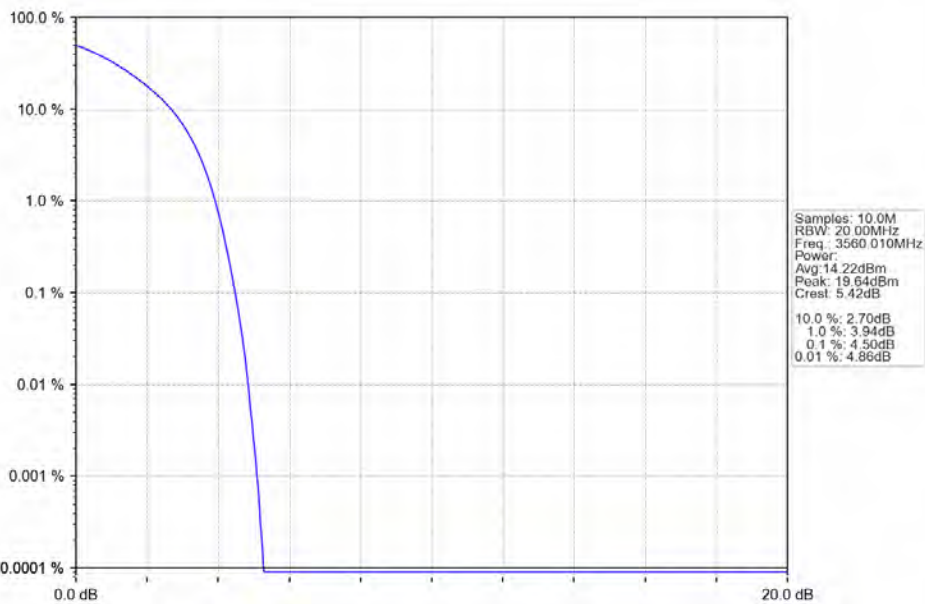




n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3690MHz\_Outer\_Full\_Ant1

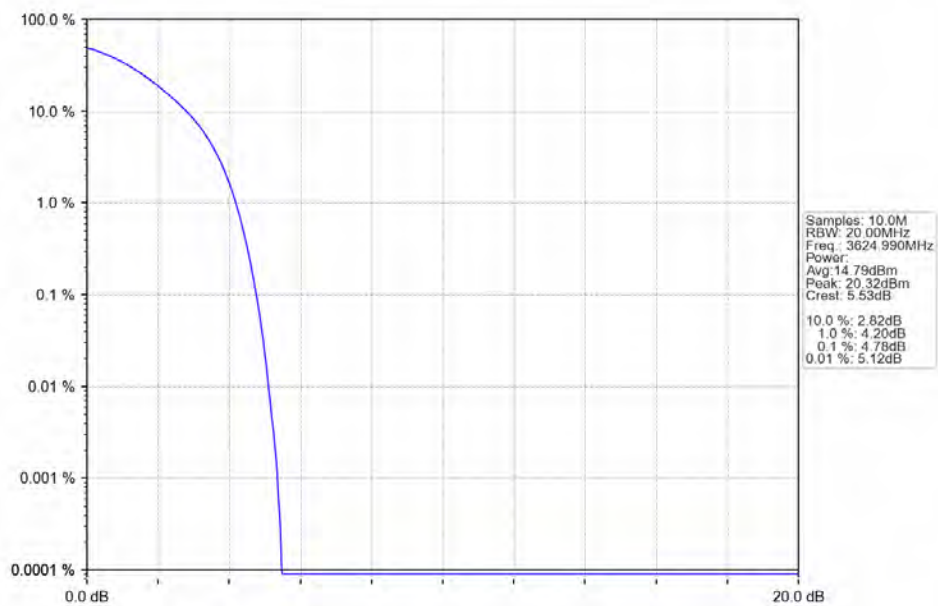


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3560.01MHz\_Outer\_Full\_Ant1

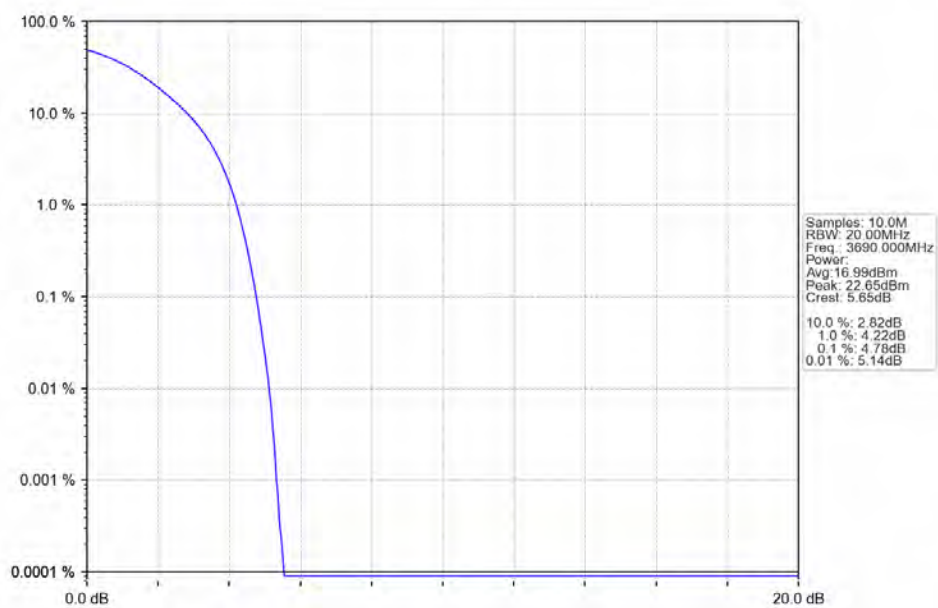




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

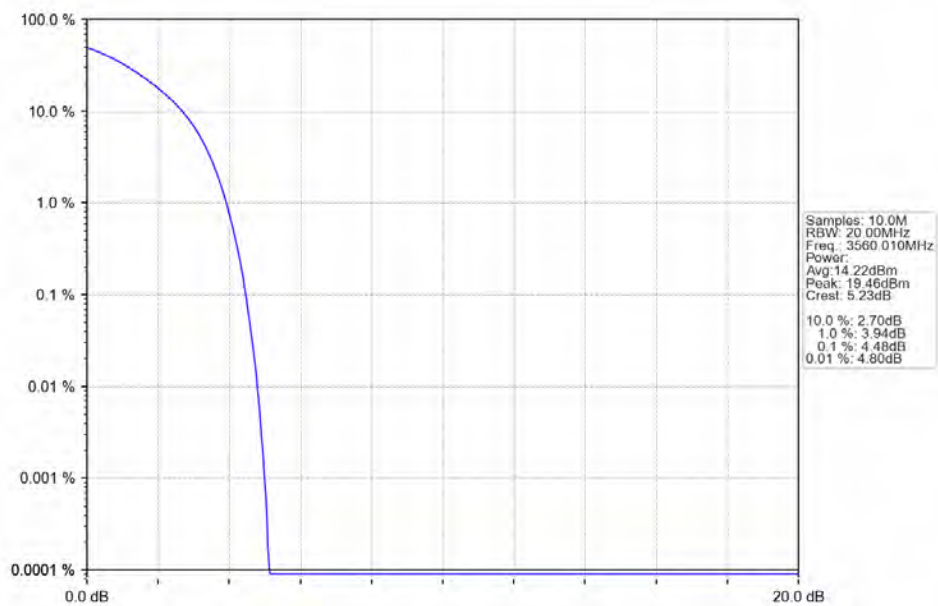


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3690MHz\_Outer\_Full\_Ant1

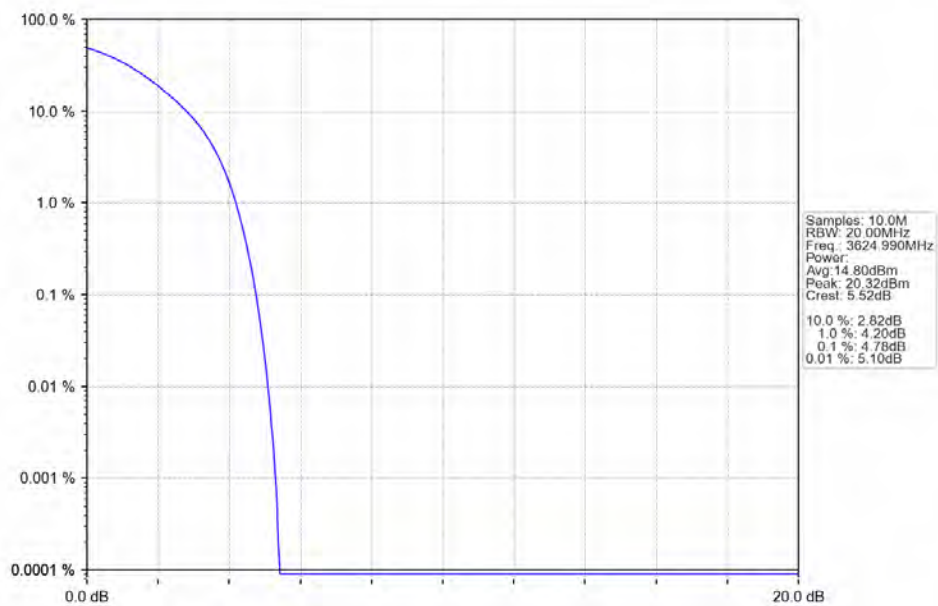




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3560.01MHz\_Outer\_Full\_Ant1

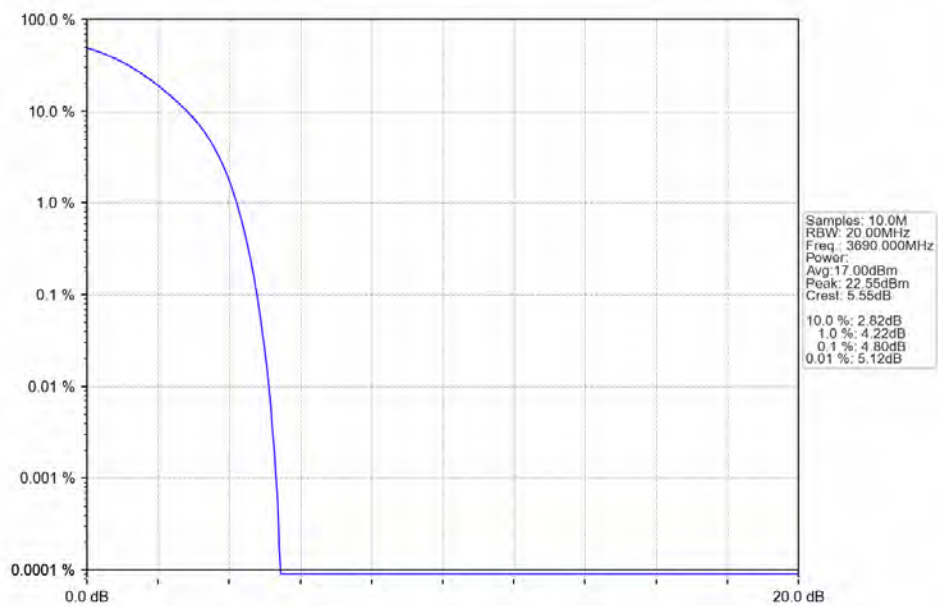


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

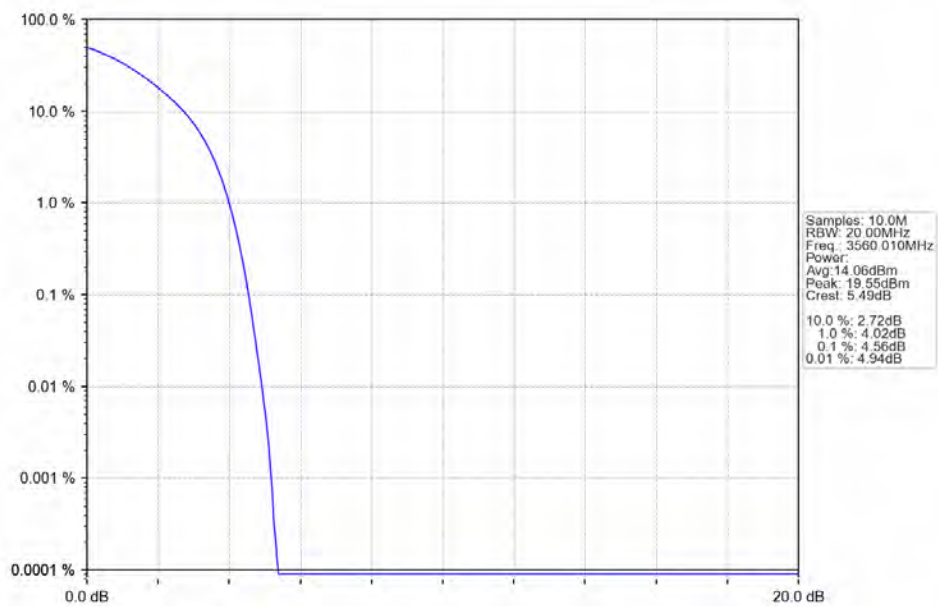




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3690MHz\_Outer\_Full\_Ant1

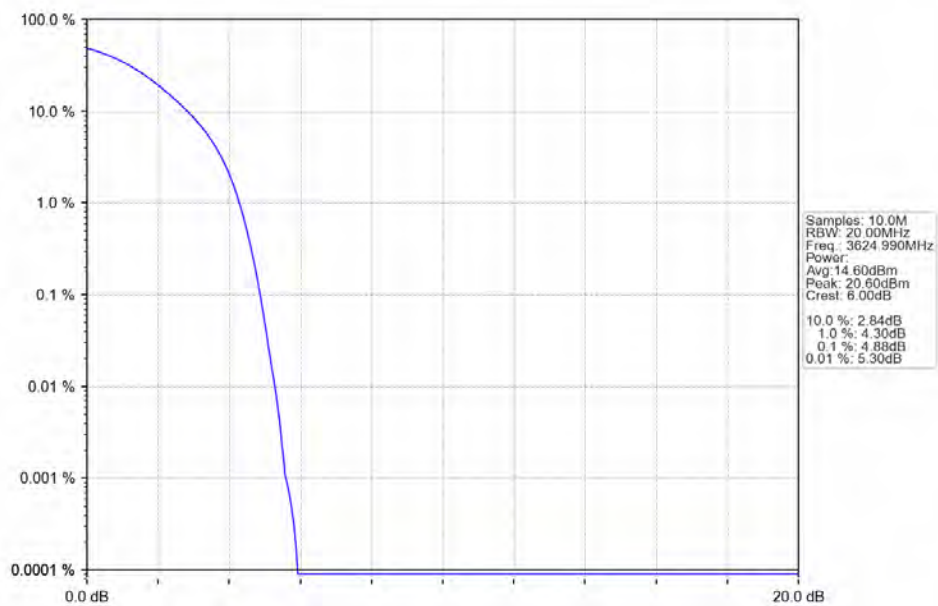


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3560.01MHz\_Outer\_Full\_Ant1

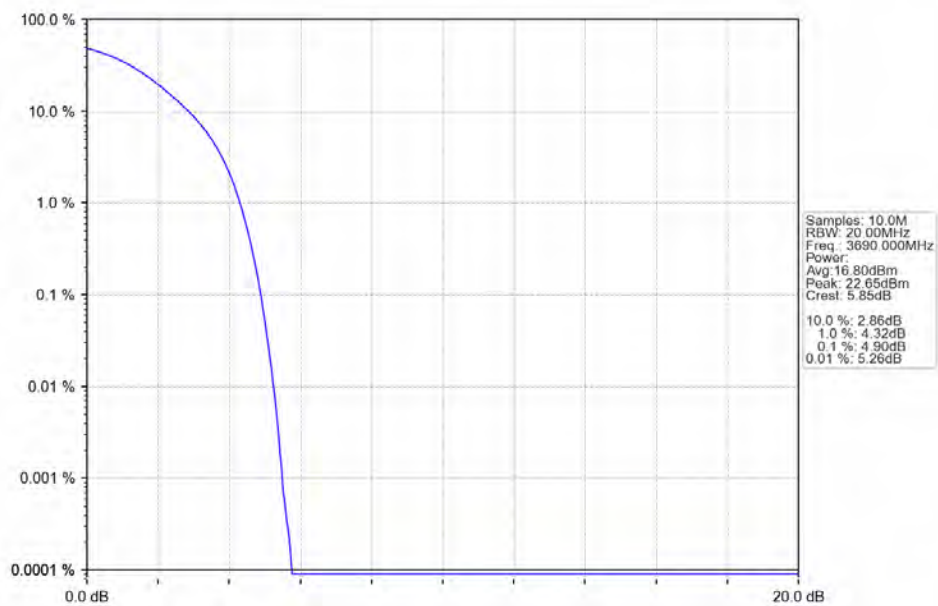




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

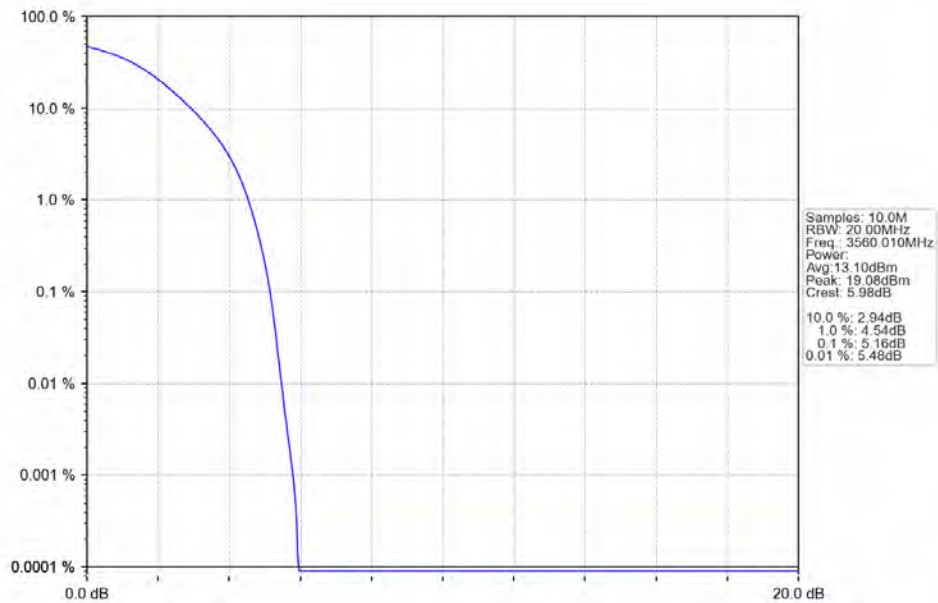


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Outer\_Full\_Ant1

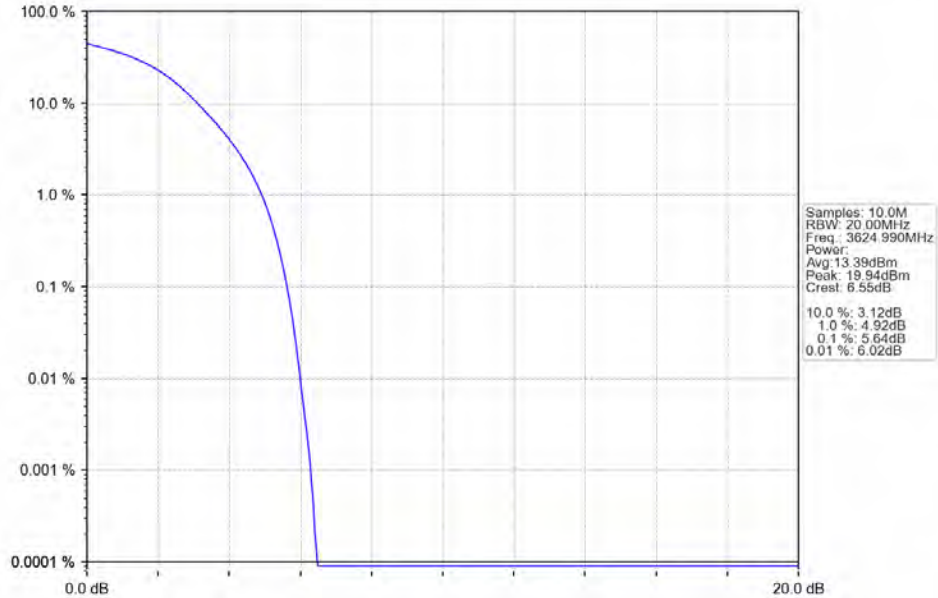




n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Outer\_Full\_Ant1

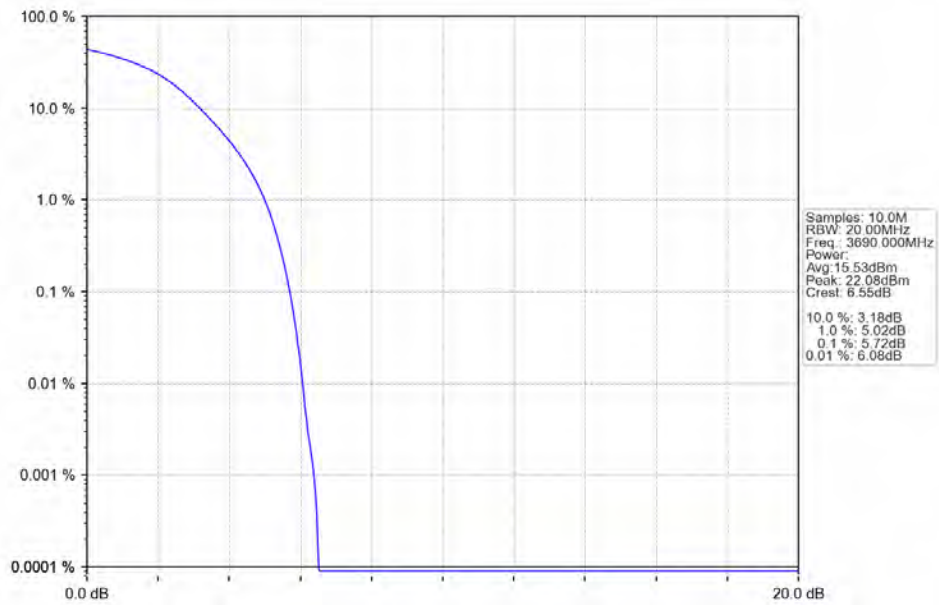


n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1





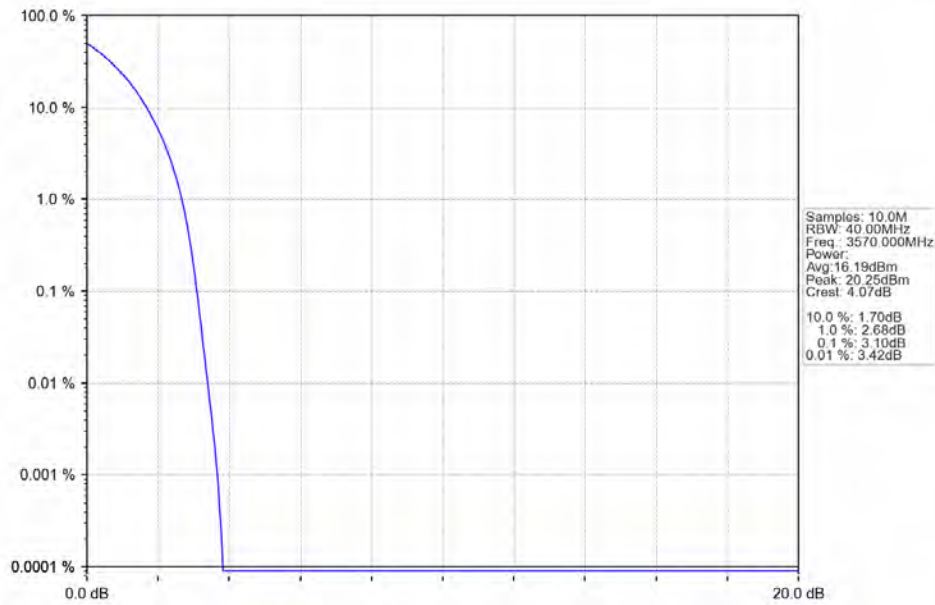
n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3690MHz\_Outer\_Full\_Ant1



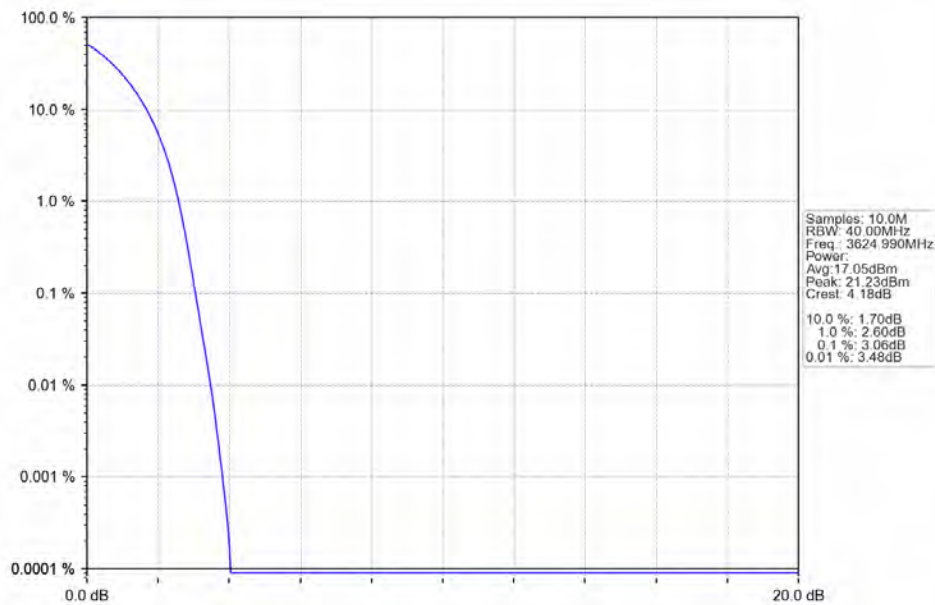


## 4.2.4 30\_SISO\_40M\_NTNV

n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM PI/2 BPSK\_3570MHz\_Outer\_Full\_Ant1

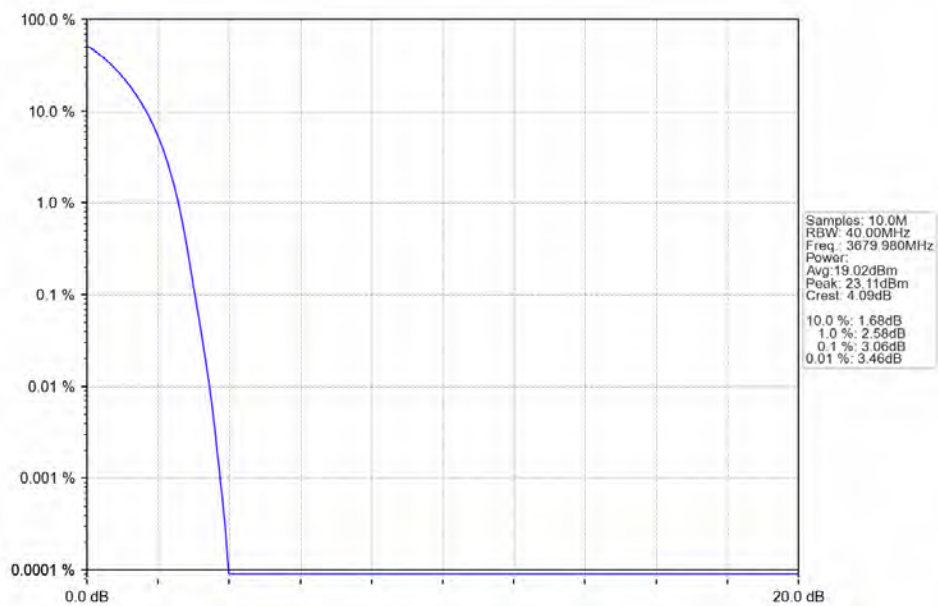


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Outer\_Full\_Ant1

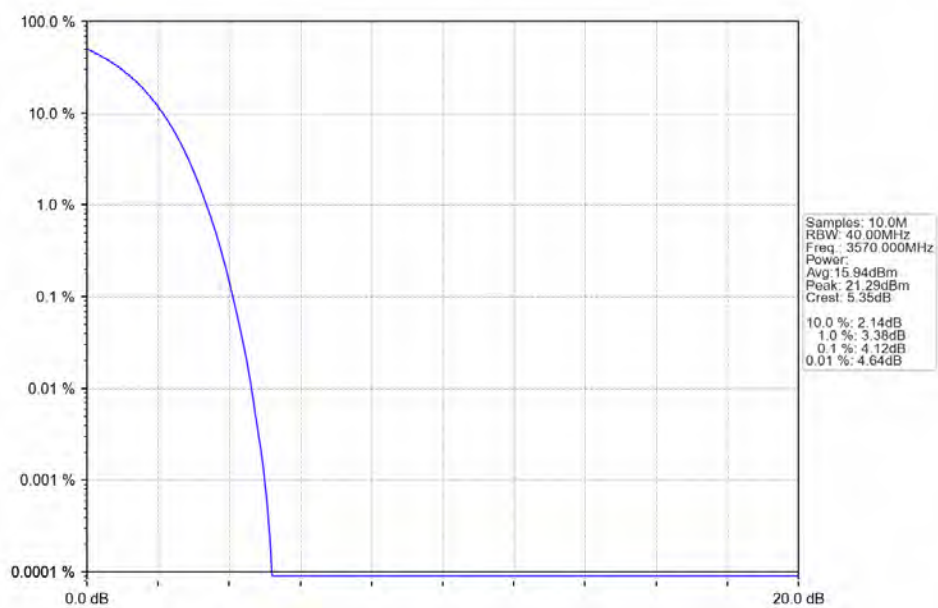




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM PI/2 BPSK\_3679.98MHz\_Outer\_Full\_Ant1

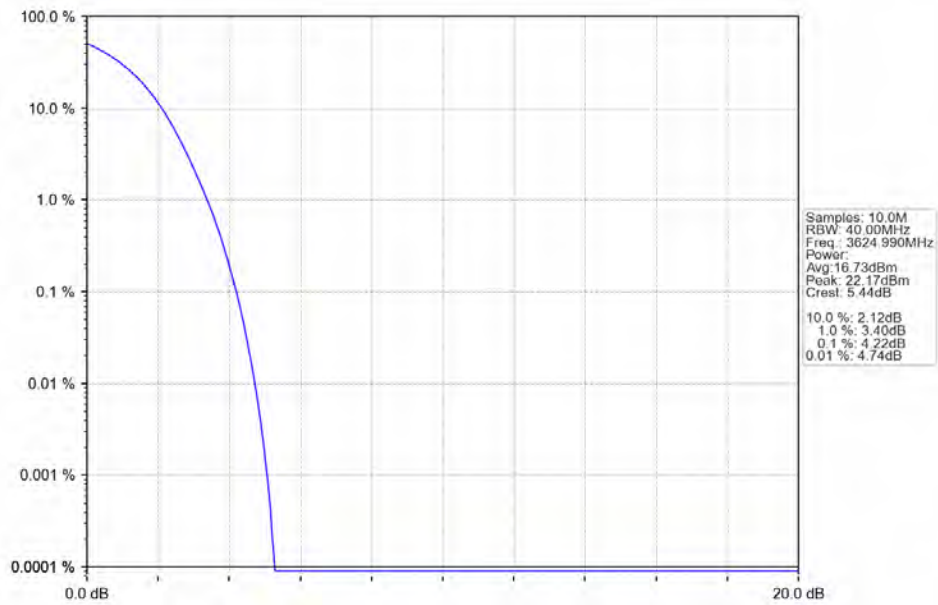


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3570MHz\_Outer\_Full\_Ant1

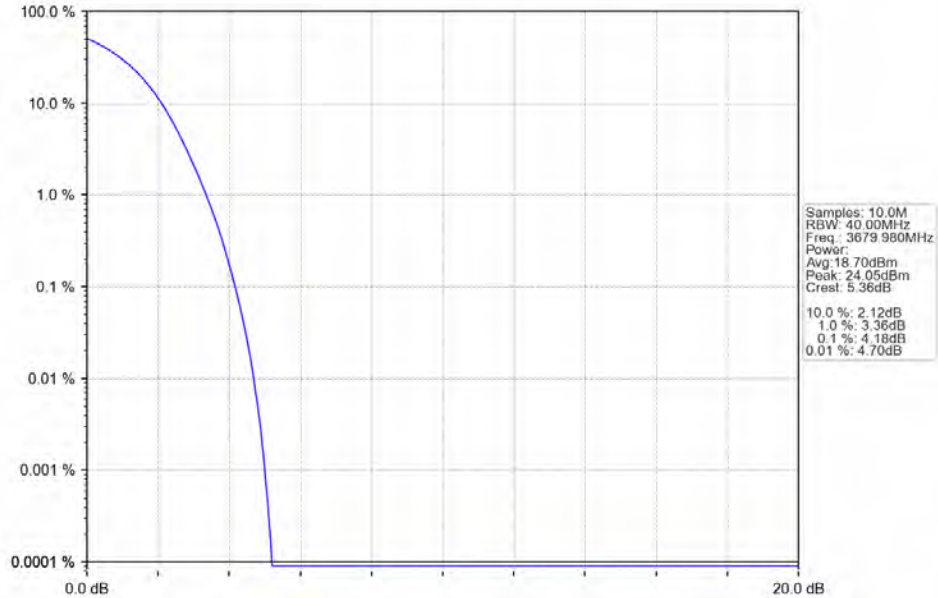




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

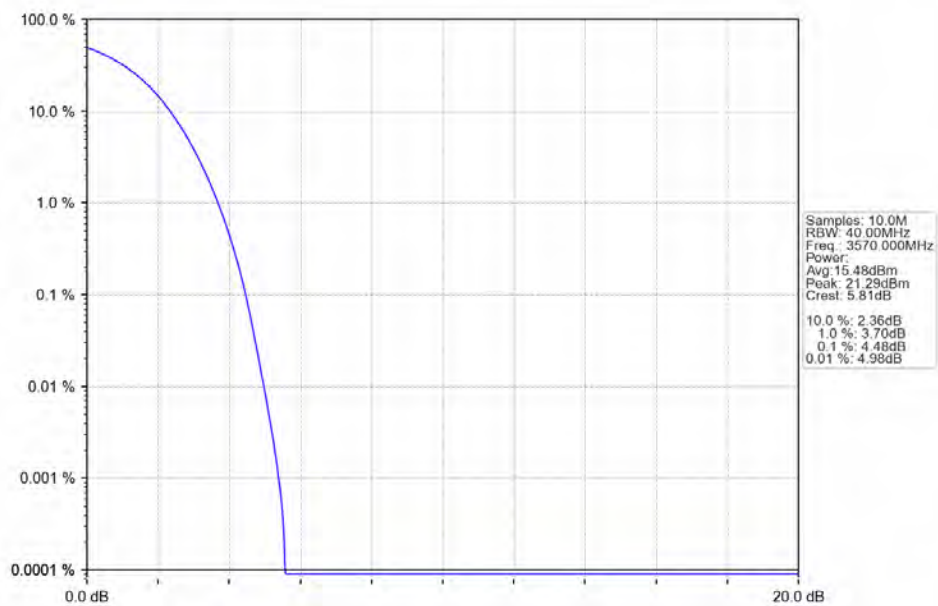


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3679.98MHz\_Outer\_Full\_Ant1

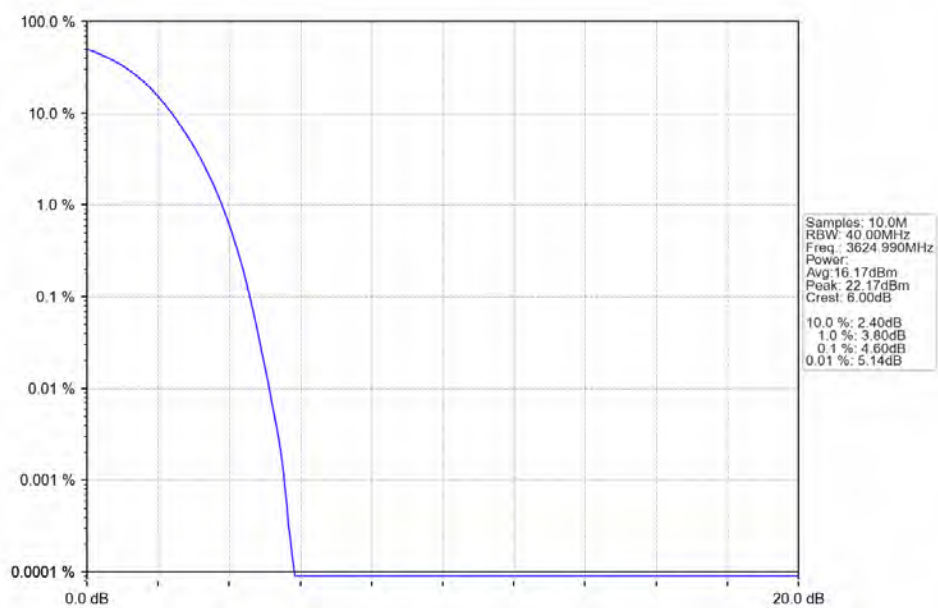




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_16 QAM\_3570MHz\_Outer\_Full\_Ant1

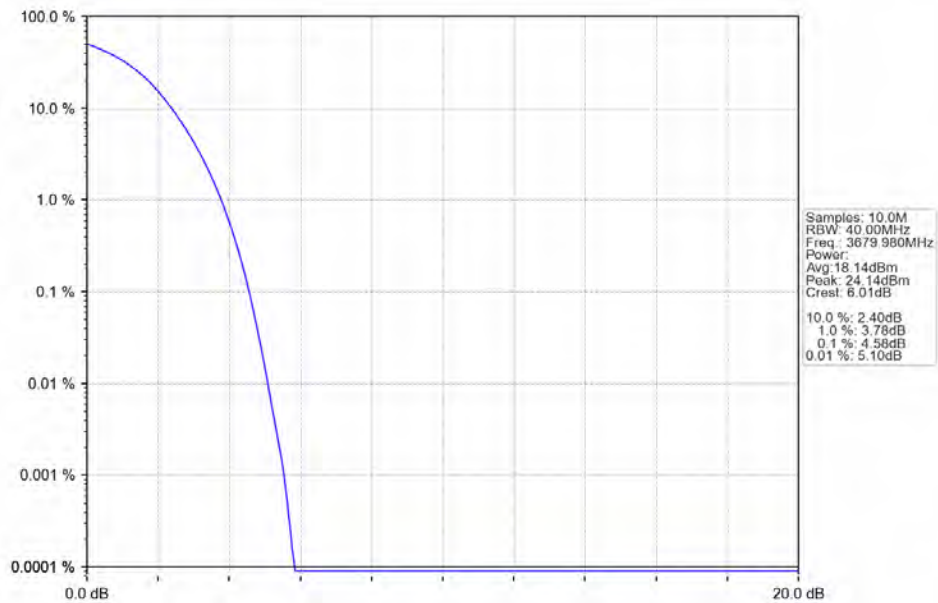


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

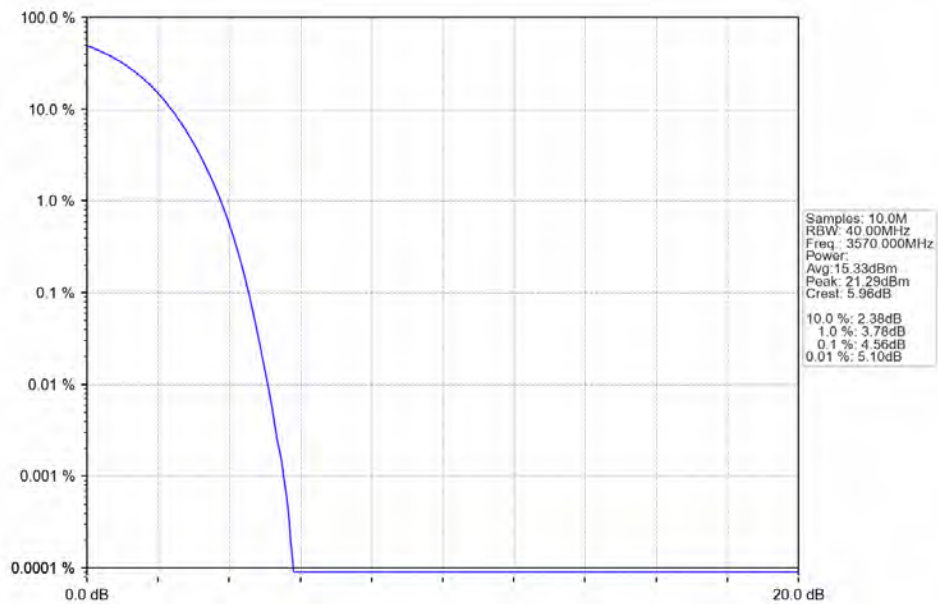




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3679.98MHz\_Outer\_Full\_Ant1

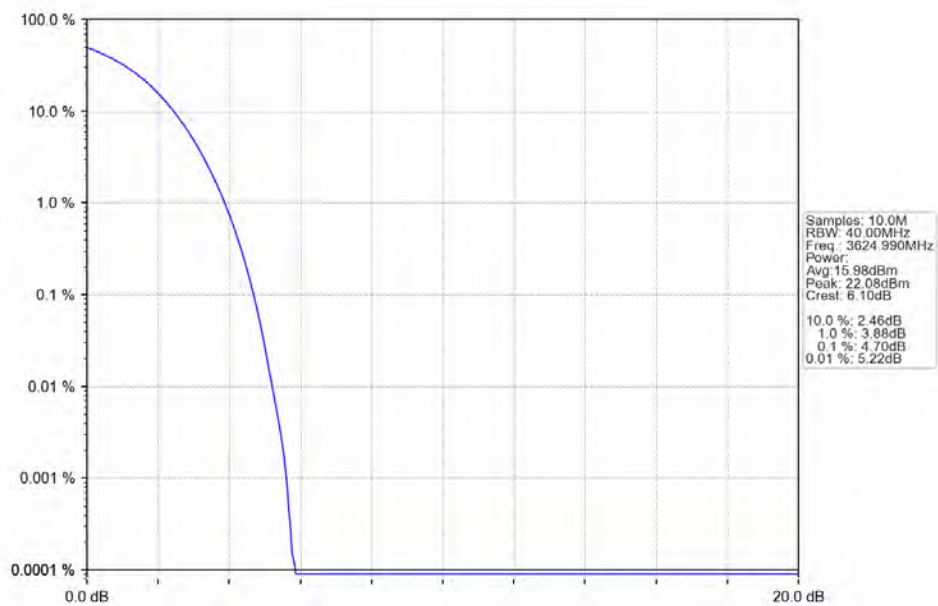


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Outer\_Full\_Ant1

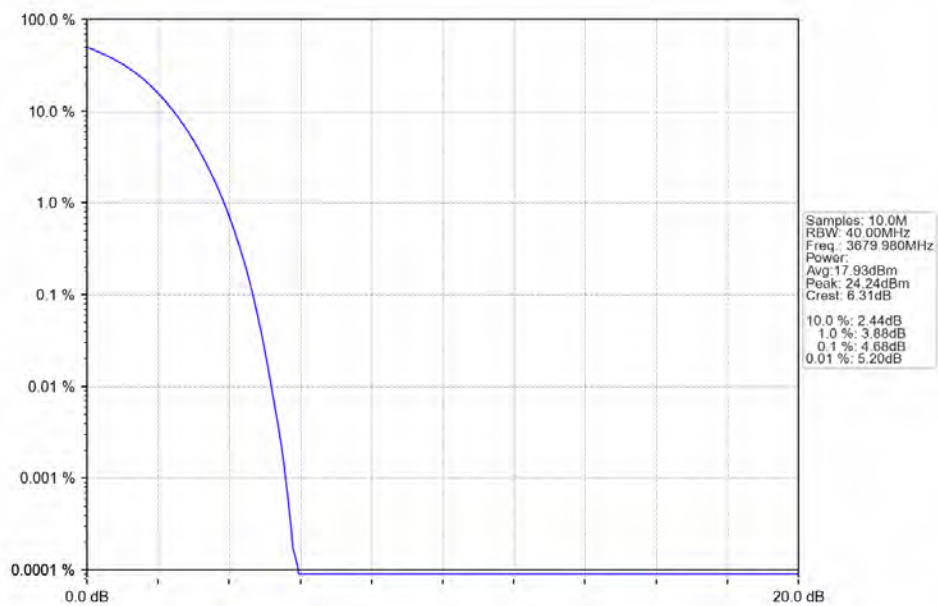




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

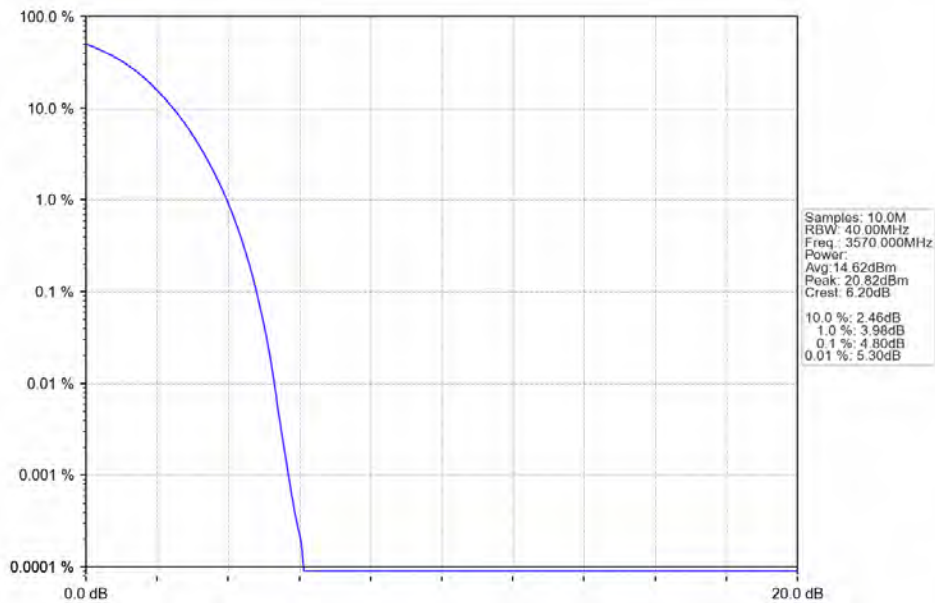


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Outer\_Full\_Ant1

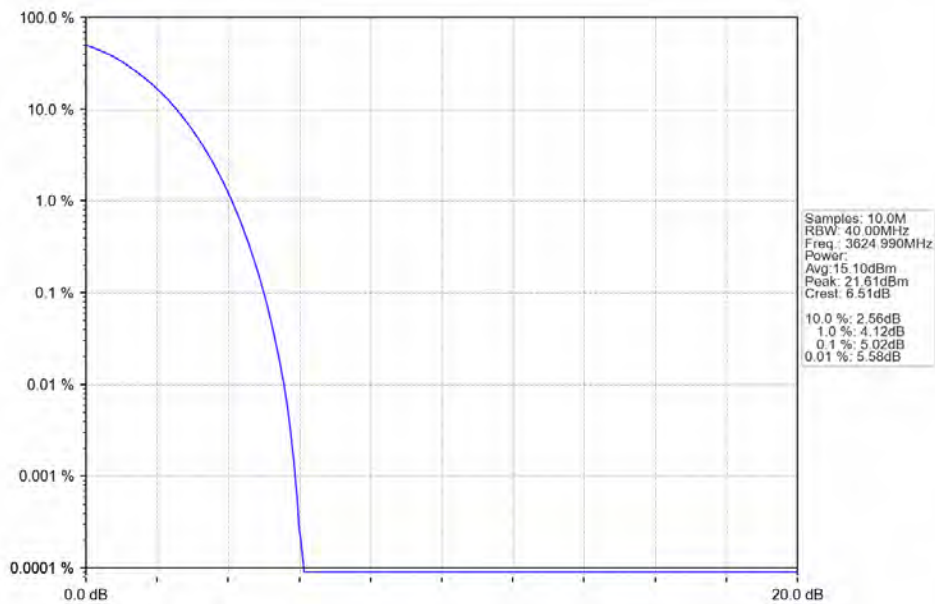




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3570MHz\_Outer\_Full\_Ant1

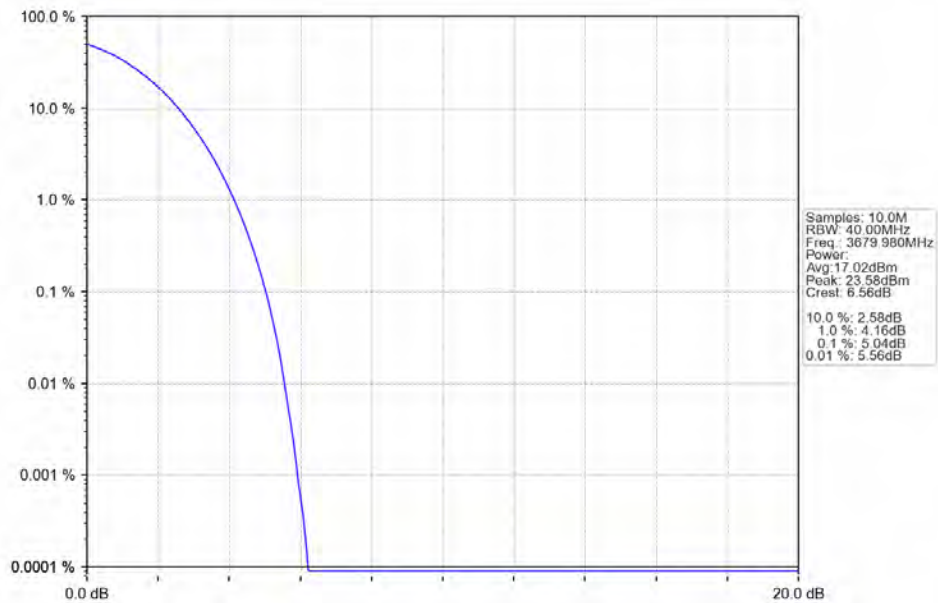


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1

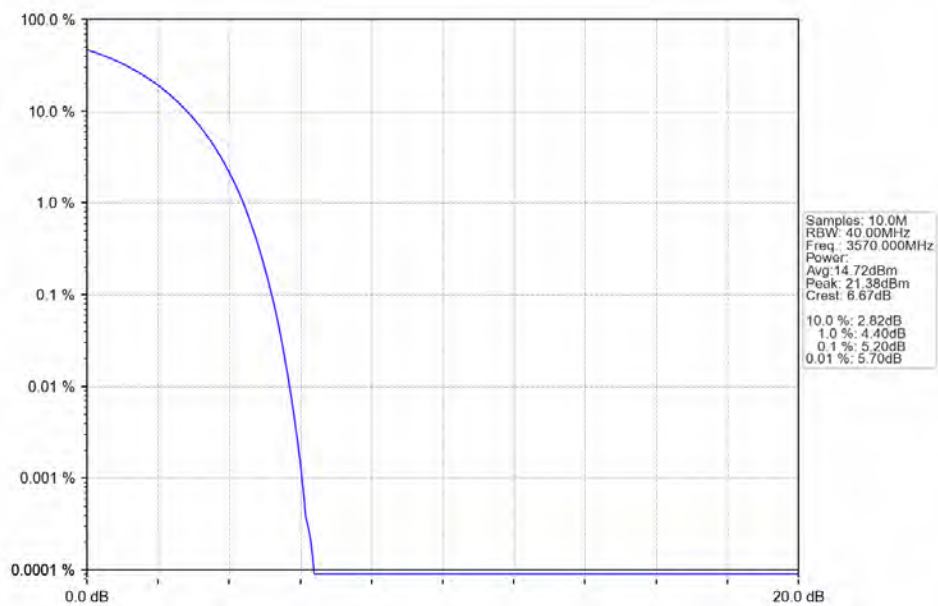




n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Outer\_Full\_Ant1

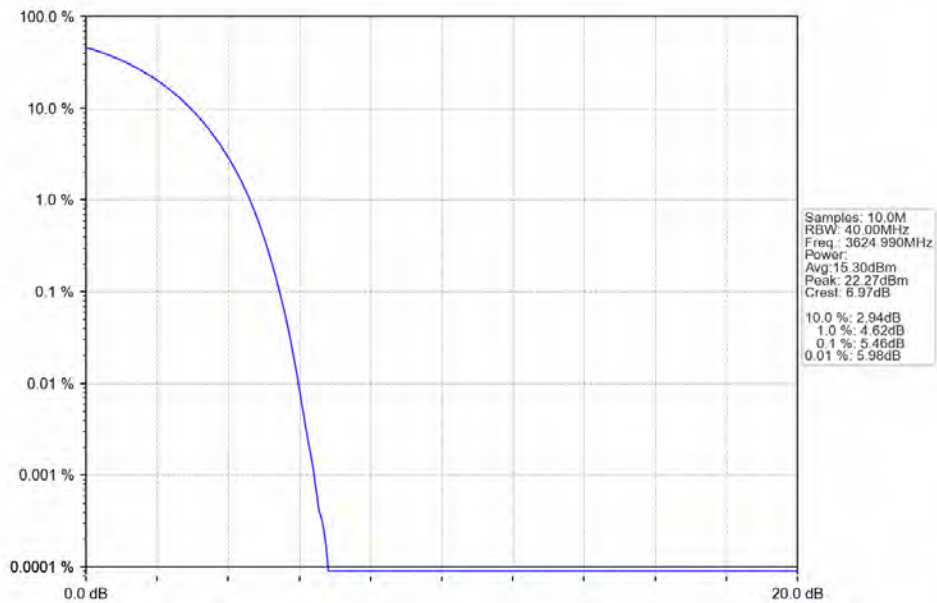


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Outer\_Full\_Ant1

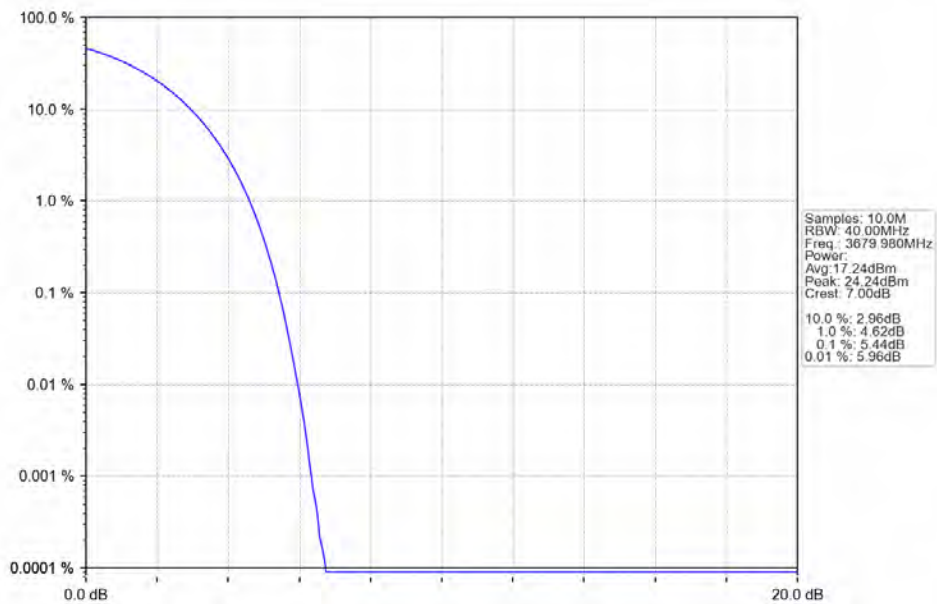




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full\_Ant1

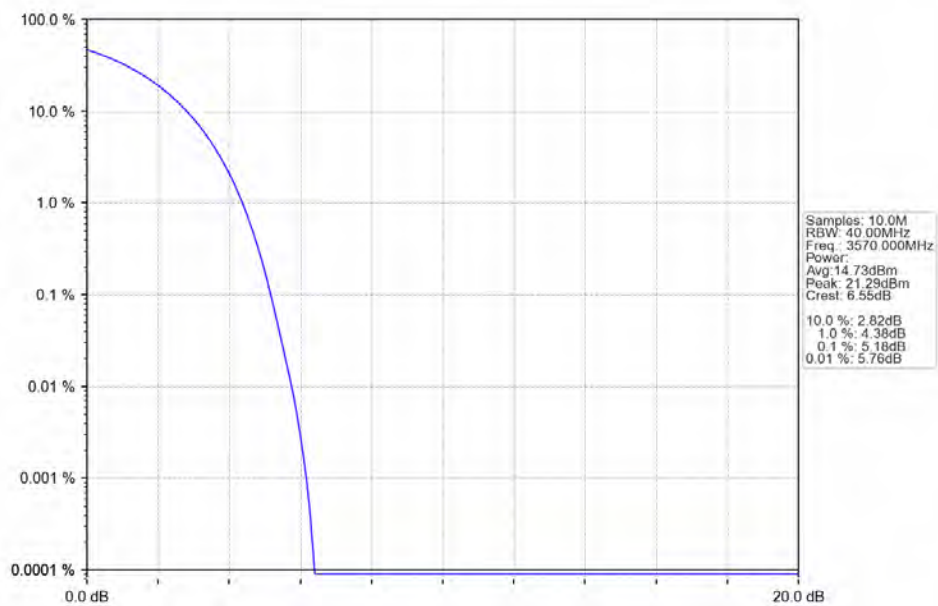


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Outer\_Full\_Ant1

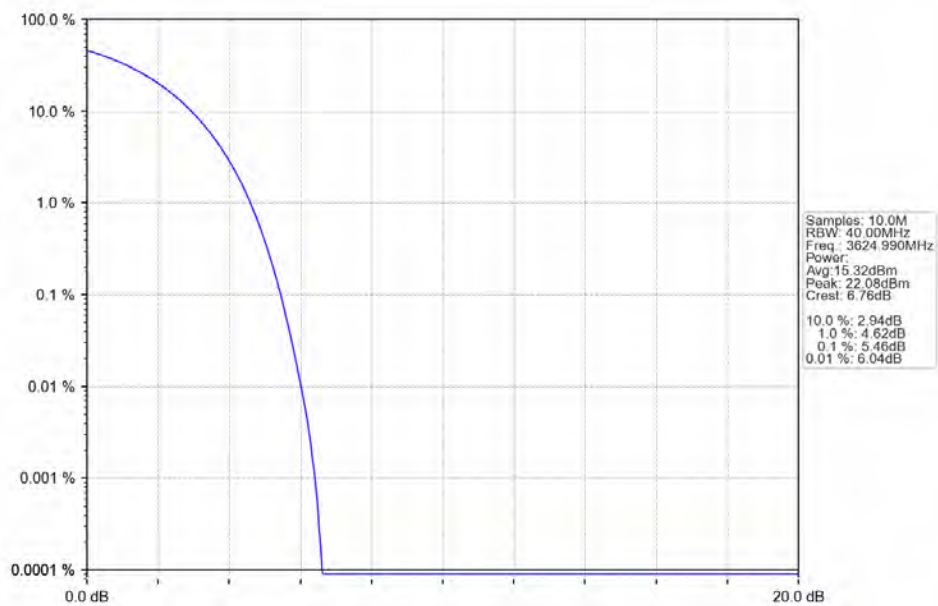




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Outer\_Full\_Ant1

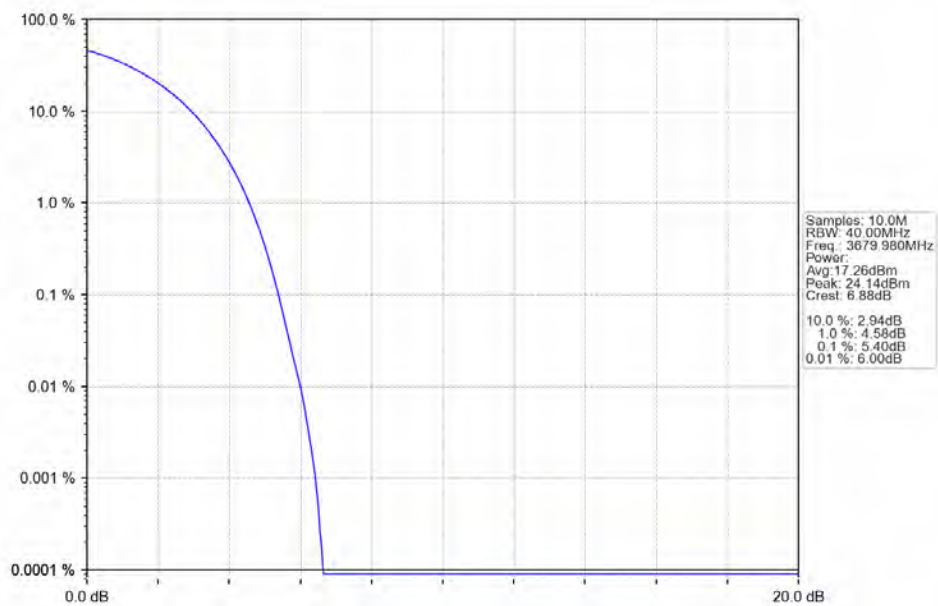


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full\_Ant1

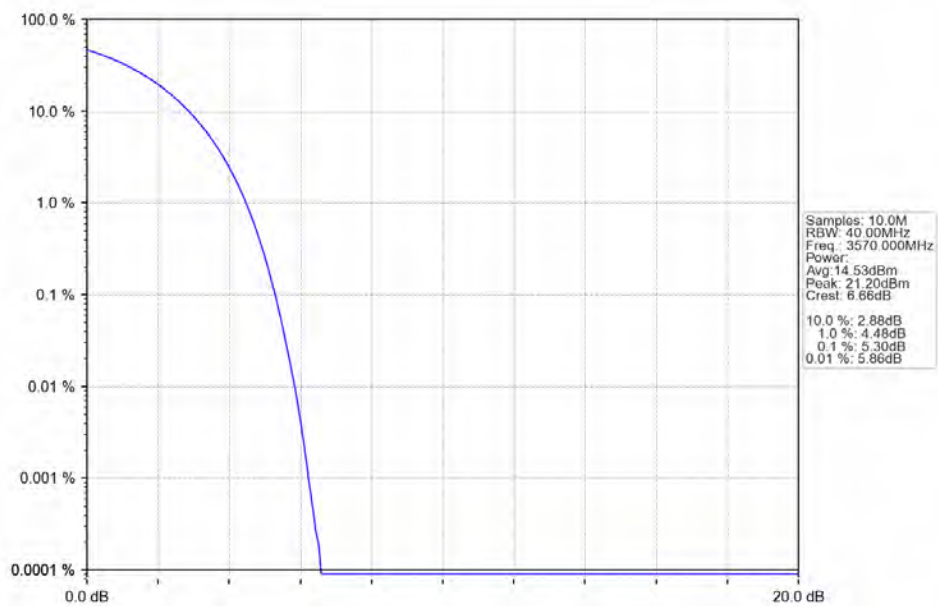




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3679.98MHz\_Outer\_Full\_Ant1

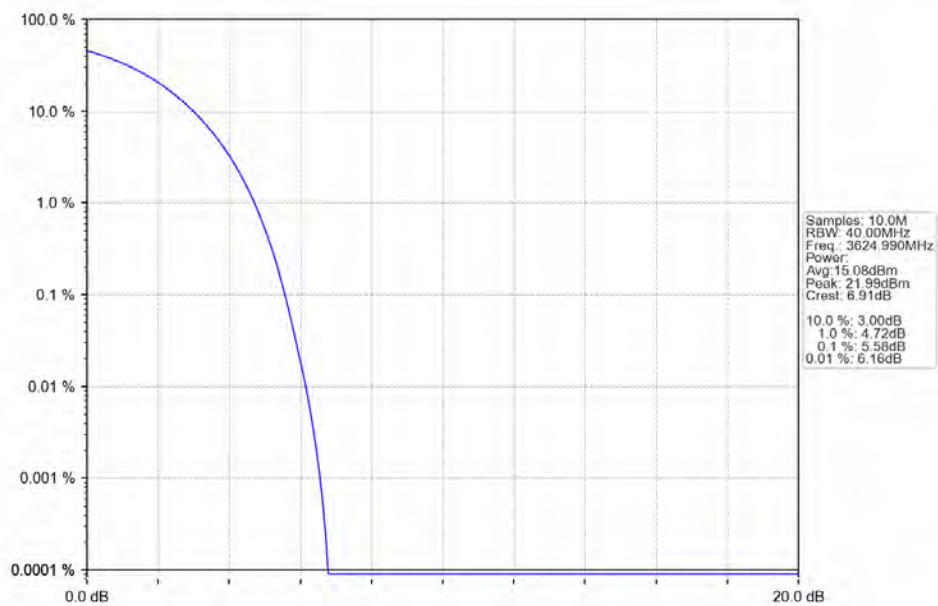


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Outer\_Full\_Ant1

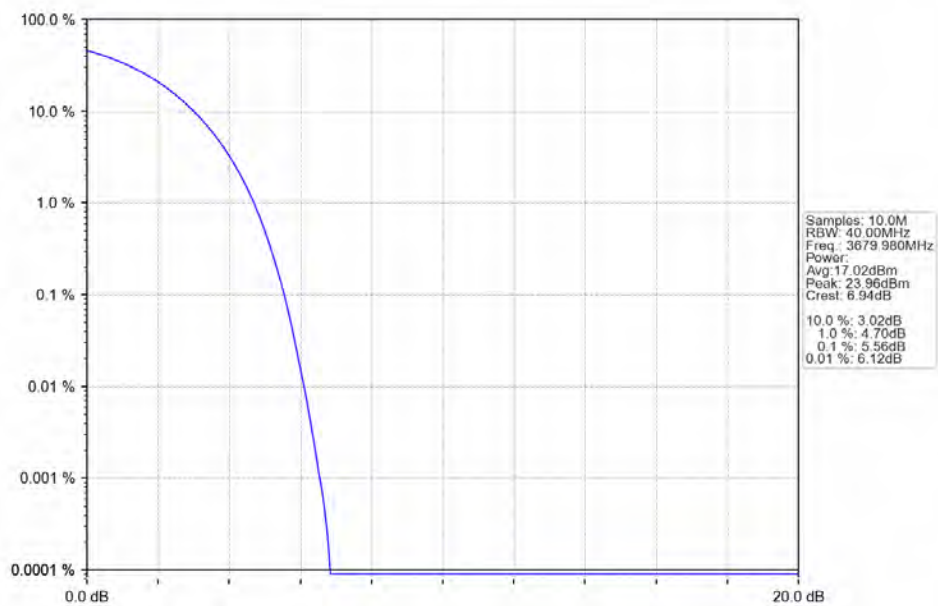




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full\_Ant1

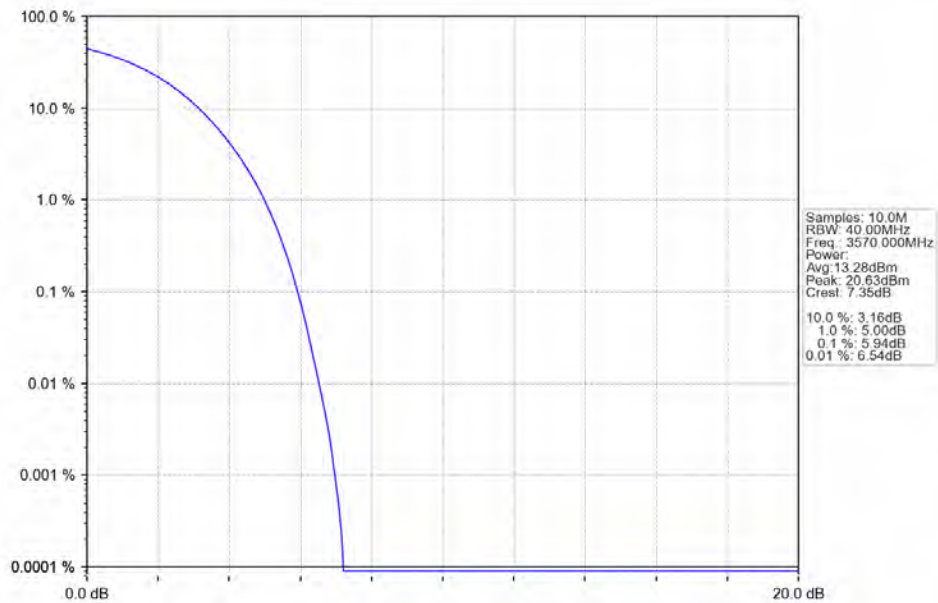


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Outer\_Full\_Ant1

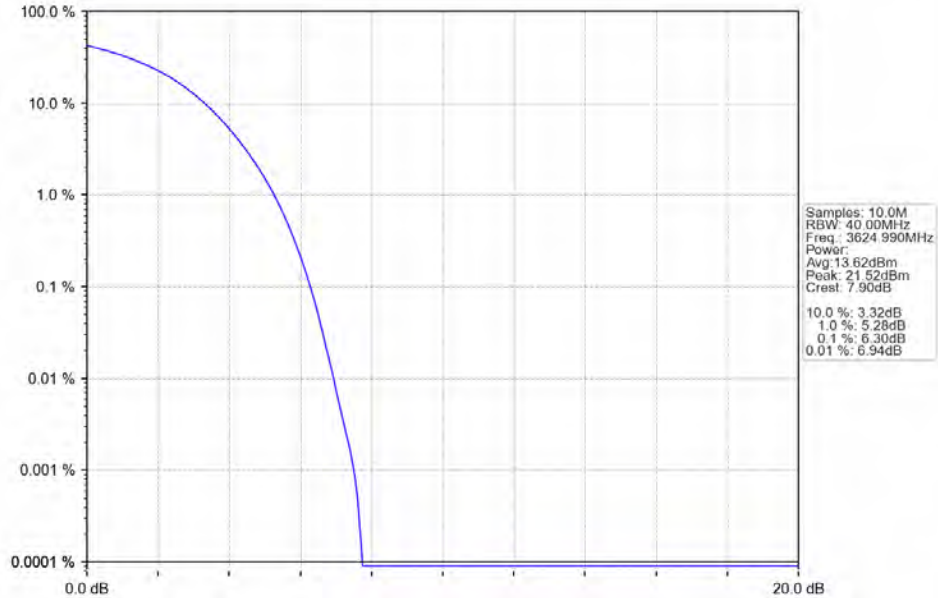




n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Outer\_Full\_Ant1

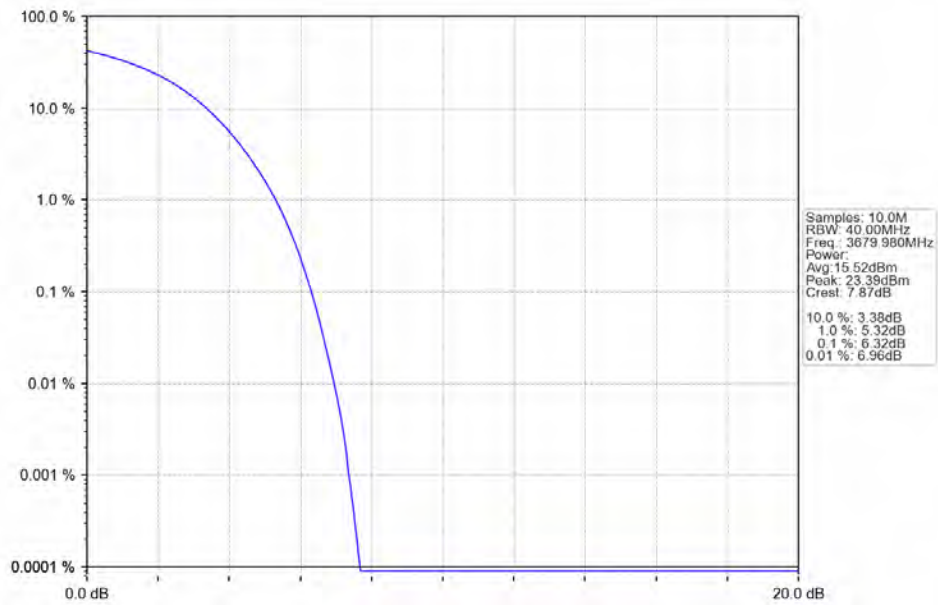


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full\_Ant1





n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Outer\_Full\_Ant1





## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 30\_SISO\_10M\_NTNV

5G NR n48 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3555	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
	3694.98	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	3555	Edge_1RB_Left	Refer To Test Graph			
Edge_1RB_Right			Refer To Test Graph				Pass
Outer_Full			Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass
Inner_1RB_Right			Refer To Test Graph				Pass
3624.99		Edge_1RB_Left	Refer To Test Graph				Pass
3694.98		Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK		3555	Edge_1RB_Left	Refer To Test Graph			
	Edge_1RB_Right		Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass
	Inner_1RB_Left		Refer To Test Graph				Pass
	Inner_1RB_Right		Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
	3694.98	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

#### 5.1.2 30\_SISO\_15M\_NTNV

5G NR n48 SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3557.52	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass



	3624.99	Edge_1RB_Left	Refer To Test Graph	Pass
	3692.49	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
DFT-s-OFDM QPSK	3557.52	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph	Pass
	3692.49	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
CP-OFDM QPSK	3557.52	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph	Pass
	3692.49	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

## 5.1.3 30\_SISO\_20M\_NTNV

5G NR n48 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
		3690	Edge_1RB_Left	Refer To Test Graph			
	Edge_1RB_Right		Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass
	Inner_1RB_Left		Refer To Test Graph				Pass
	Inner_1RB_Right		Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3560.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
		3690	Edge_1RB_Left	Refer To Test Graph			
	Edge_1RB_Right		Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass
	Inner_1RB_Left		Refer To Test Graph				Pass
	Inner_1RB_Right		Refer To Test Graph				Pass



CP-OFDM QPSK	3560.01	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
	3690	Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

## 5.1.4 30\_SISO\_40M\_NTNV

5G NR n48 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3570	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
	3679.98	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
Inner_1RB_Right		Refer To Test Graph				Pass	
DFT-s-OFDM QPSK	3570	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
	3679.98	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
Inner_1RB_Right		Refer To Test Graph				Pass	
CP-OFDM QPSK	3570	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
	3624.99	Edge_1RB_Left	Refer To Test Graph				Pass
	3679.98	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
Inner_1RB_Right		Refer To Test Graph				Pass	

## 5.1.5 30\_MIMO\_10M\_NTNV

5G NR n48 SCS=30kHz MIMO 10MHz NTN				
Modulation	Frequency	RB	Spurious Emission	Verdict



	(MHz)	Allocation	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3555	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3694.98	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3555	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3694.98	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass



CP-OFDM QPSK		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
	3694.98	Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

## 5.1.6 30\_MIMO\_15M\_NTNV

5G NR n48 SCS=30kHz MIMO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3557.52	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3692.49	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass



		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
DFT-s-OFDM QPSK	3557.52	Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
	3692.49	Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
CP-OFDM QPSK	3557.52	Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass



	3692.49	Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

## 5.1.7 30\_MIMO\_20M\_NTNV

5G NR n48 SCS=30kHz MIMO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3690	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3560.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass



		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
	3690	Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
CP-OFDM QPSK	3560.01	Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
	3690	Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass



5G NR n48 SCS=30kHz MIMO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3570	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3679.98	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass		
	Refer To Test Graph				Pass		
	Refer To Test Graph				Pass		
DFT-s-OFDM QPSK	3570	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3679.98	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

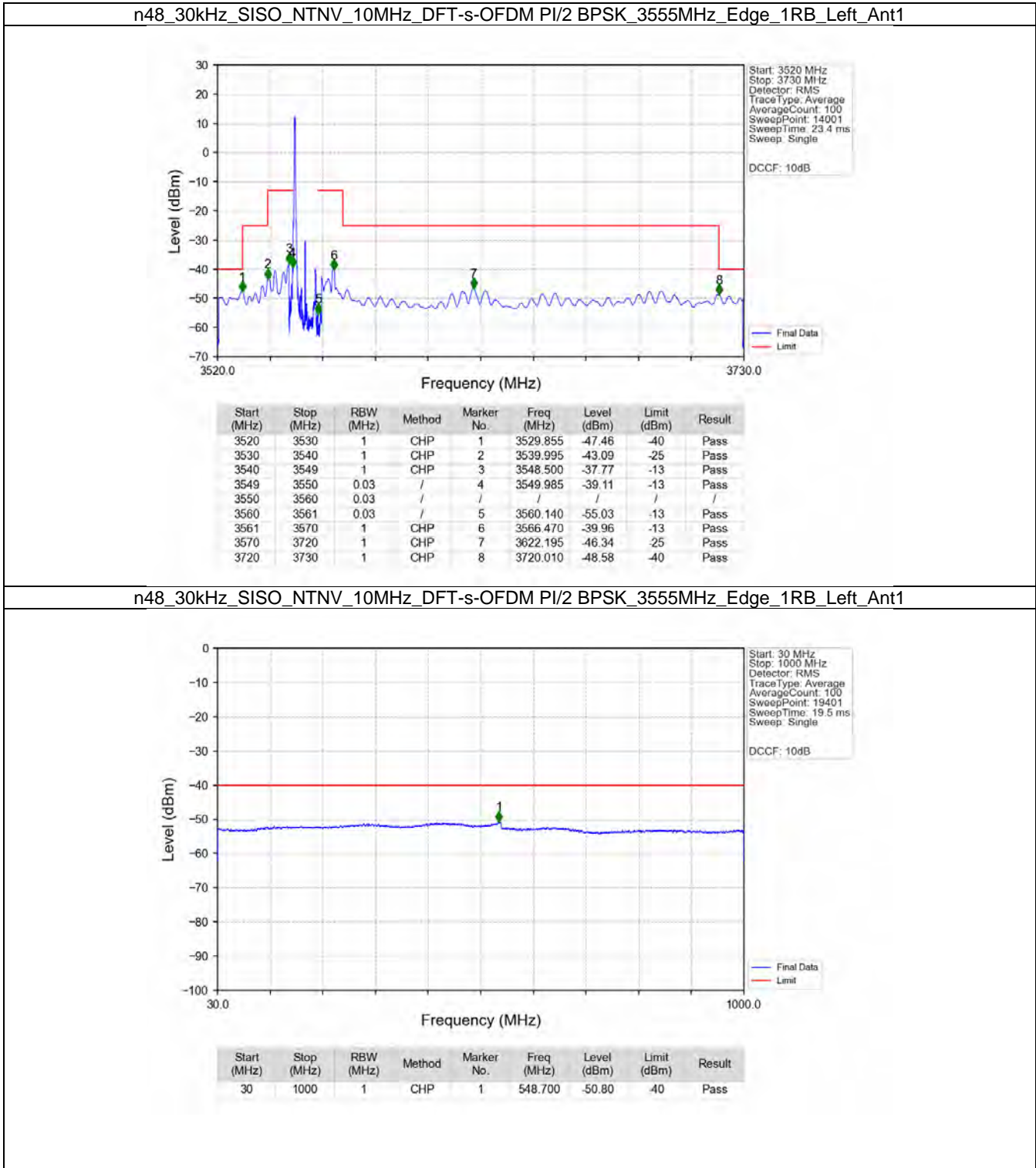


			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
CP-OFDM QPSK	3570	Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass



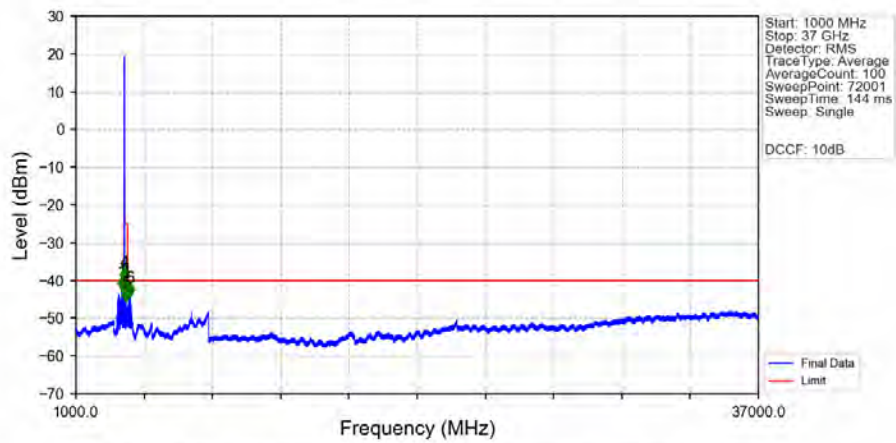
5.2 Test Graph

5.2.1 30\_SISO\_10M\_NTNV



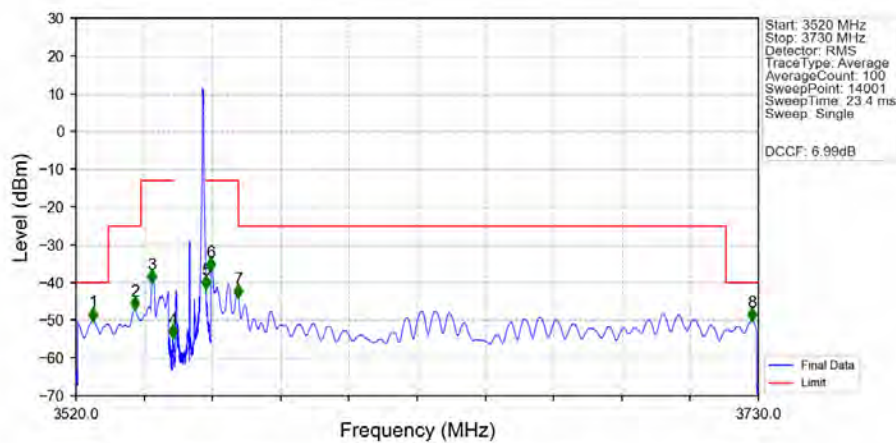


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3409.500	-42.31	-40	Pass
3530	3540	1	/	2	3540.000	-42.13	-25	Pass
3540	3549	1	/	3	3543.000	-41.95	-13	Pass
3549	3565	1	/	/	/	/	/	/
3565	3570	1	/	4	3566.000	-39.86	-13	Pass
3570	3720	1	/	5	3622.000	-45.35	-25	Pass
3720	37000	1	/	6	3852.500	-44.02	-40	Pass

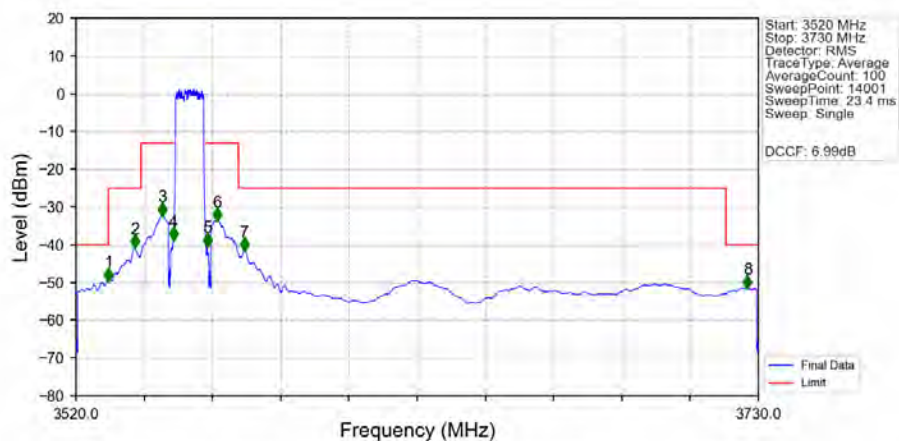
## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Edge\_1RB\_Right\_Ant1



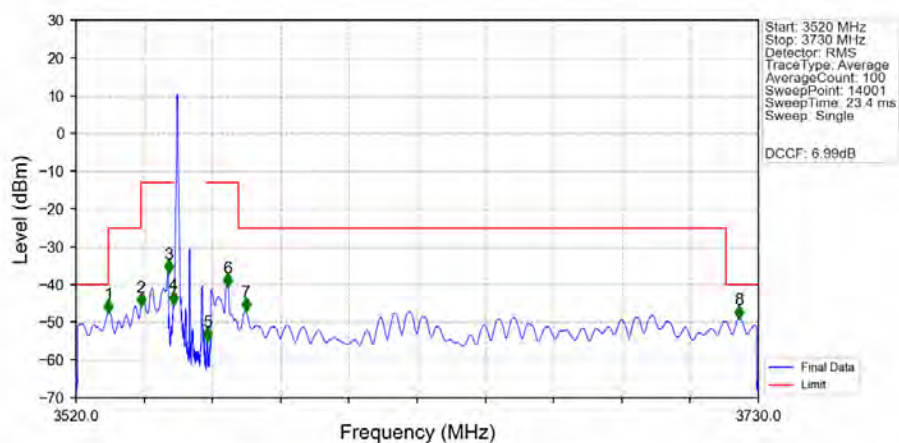
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.250	-49.92	-40	Pass
3530	3540	1	CHP	2	3538.120	-47.05	-25	Pass
3540	3549	1	CHP	3	3543.430	-40.02	-13	Pass
3549	3550	0.03	/	4	3549.850	-54.54	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.050	-41.54	-13	Pass
3561	3570	1	CHP	6	3561.505	-36.83	-13	Pass
3570	3720	1	CHP	7	3570.010	-43.82	-25	Pass
3720	3730	1	CHP	8	3728.080	-50.03	-40	Pass



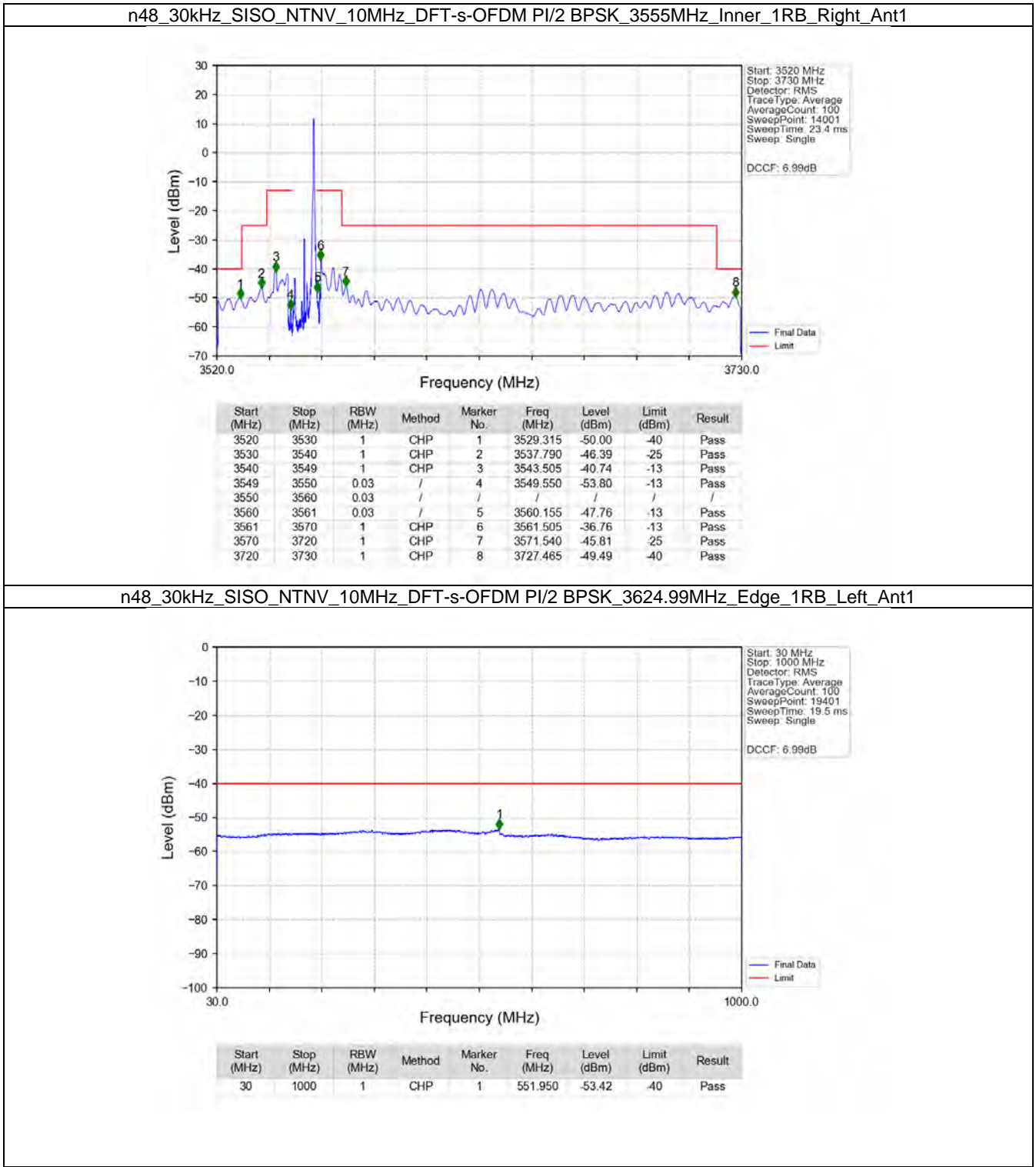
n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Outer\_Full\_Ant1



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3555MHz\_Inner\_1RB\_Left\_Ant1

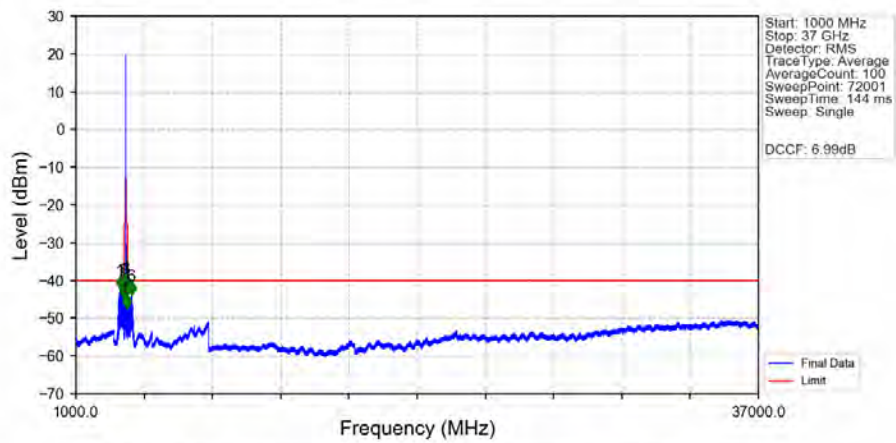






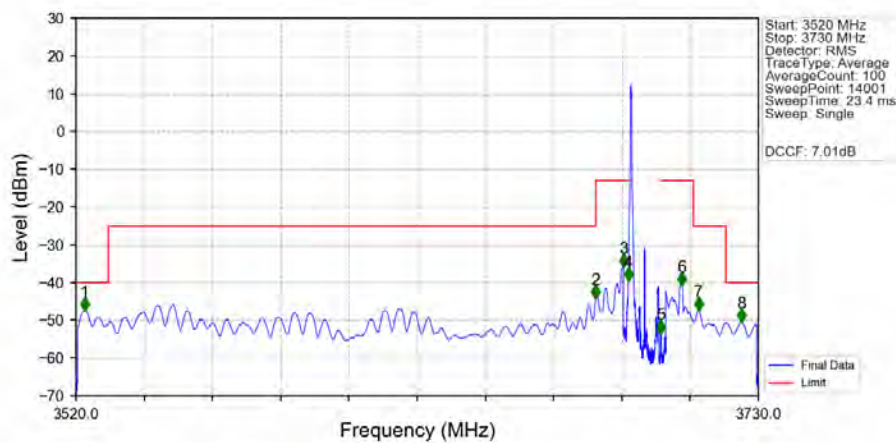


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3323.500	-42.16	-40	Pass
3530	3609.99	1	/	2	3549.000	-44.65	-25	Pass
3609.99	3618.99	1	/	3	3613.000	-41.68	-13	Pass
3618.99	3634.99	1	/	/	/	/	/	/
3634.99	3639.99	1	/	4	3636.000	-41.40	-13	Pass
3639.99	3720	1	/	5	3692.000	-46.91	-25	Pass
3720	37000	1	/	6	3917.500	-43.63	-40	Pass

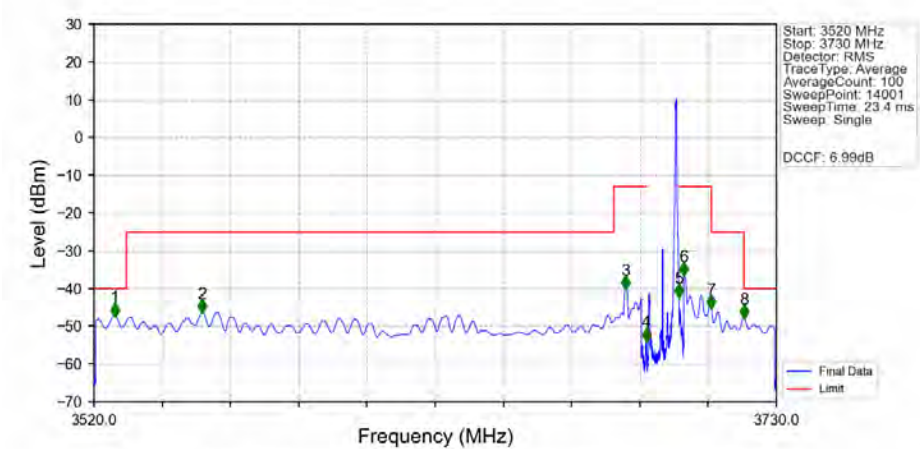
## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.640	-47.26	-40	Pass
3530	3679.98	1	CHP	2	3679.975	-44.02	-25	Pass
3679.98	3688.98	1	CHP	3	3688.480	-35.70	-13	Pass
3688.98	3689.98	0.03	/	4	3689.965	-39.29	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3700.000	-53.33	-13	Pass
3700.98	3709.98	1	CHP	6	3706.390	-40.64	-13	Pass
3709.98	3720	1	CHP	7	3711.610	-47.19	-25	Pass
3720	3730	1	CHP	8	3724.825	-50.26	-40	Pass

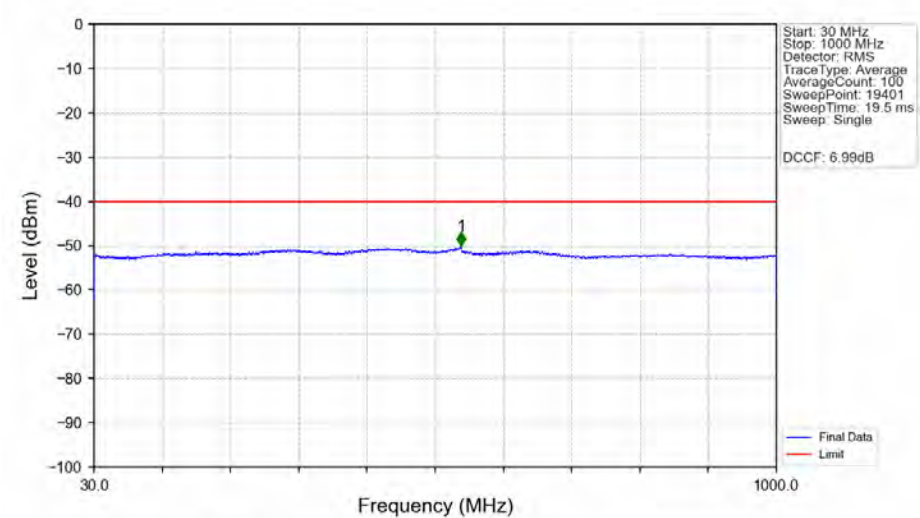


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.330	-47.16	-40	Pass
3530	3679.98	1	CHP	2	3553.375	-46.16	-25	Pass
3679.98	3688.98	1	CHP	3	3683.515	-40.01	-13	Pass
3688.98	3689.98	0.03	/	4	3689.965	-53.74	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3699.985	-42.07	-13	Pass
3700.98	3709.98	1	CHP	6	3701.485	-36.34	-13	Pass
3709.98	3720	1	CHP	7	3709.990	-45.07	-25	Pass
3720	3730	1	CHP	8	3720.010	-47.61	-40	Pass

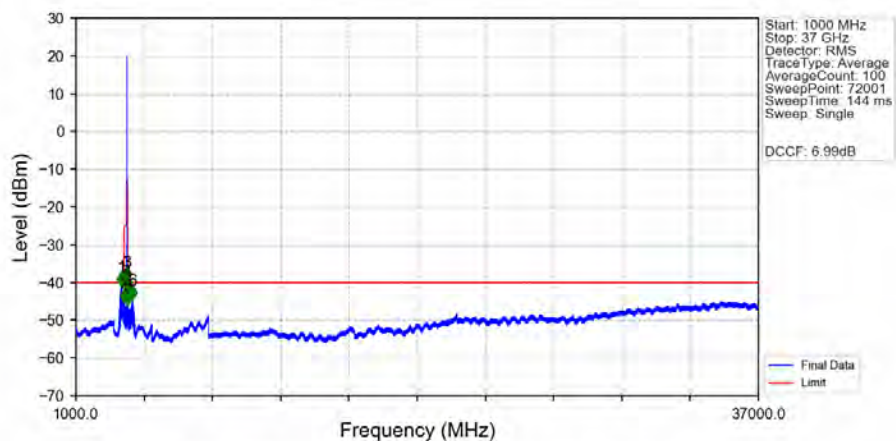
n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	551.950	-50.07	-40	Pass

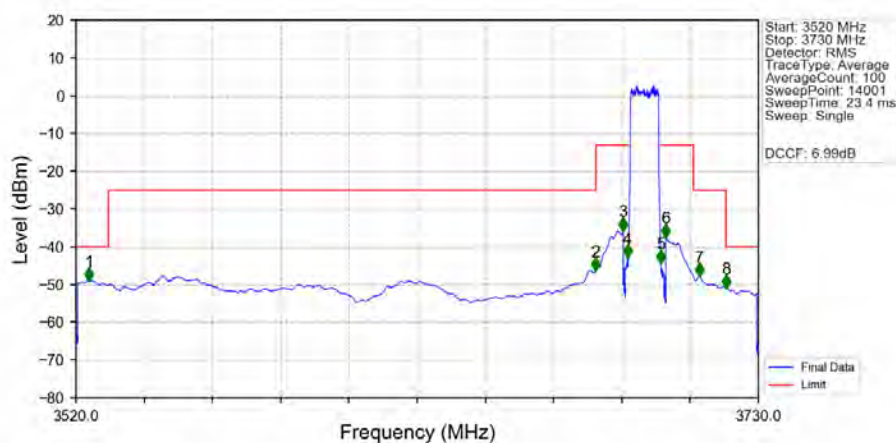


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3399.000	-40.63	-40	Pass
3530	3679.98	1	/	2	3558.500	-45.03	-25	Pass
3679.98	3688.98	1	/	3	3683.500	-39.34	-13	Pass
3688.98	3704.98	1	/	/	/	/	/	/
3704.98	3709.98	1	/	4	3705.500	-41.75	-13	Pass
3709.98	3720	1	/	5	3710.000	-45.69	25	Pass
3720	37000	1	/	6	3999.500	-44.33	-40	Pass

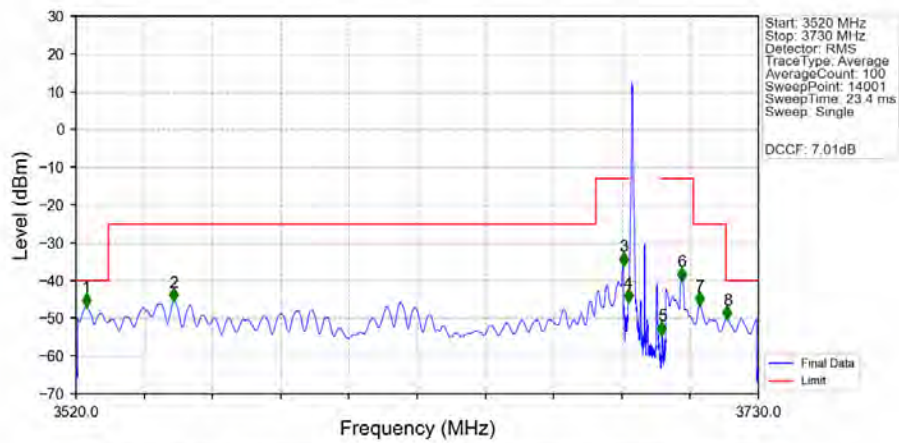
## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Outer\_Full\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3524.050	-48.81	-40	Pass
3530	3679.98	1	CHP	2	3679.975	-46.18	-25	Pass
3679.98	3688.98	1	CHP	3	3688.270	-35.58	-13	Pass
3688.98	3689.98	0.0935	CHP	4	3689.665	-42.70	-13	Pass
3689.98	3699.98	0.0935	CHP	/	/	/	/	/
3699.98	3700.98	0.0935	CHP	5	3699.985	-44.12	-13	Pass
3700.98	3709.98	1	CHP	6	3701.485	-37.25	-13	Pass
3709.98	3720	1	CHP	7	3711.775	-47.64	25	Pass
3720	3730	1	CHP	8	3720.040	-50.76	-40	Pass

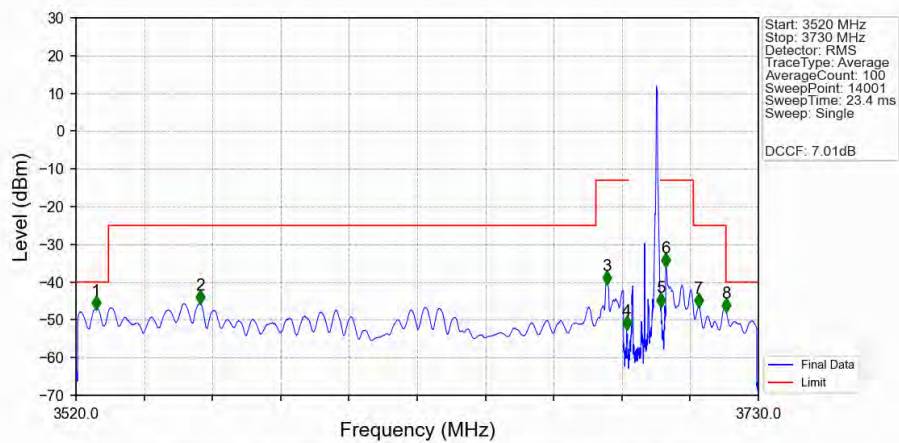


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Inner\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.105	-46.74	-40	Pass
3530	3679.98	1	CHP	2	3550.135	-45.35	-25	Pass
3679.98	3688.98	1	CHP	3	3688.480	-35.83	-13	Pass
3688.98	3689.98	0.03	/	4	3689.920	-45.52	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3700.315	-54.22	-13	Pass
3700.98	3709.98	1	CHP	6	3706.465	-39.87	-13	Pass
3709.98	3720	1	CHP	7	3711.985	-46.36	-25	Pass
3720	3730	1	CHP	8	3720.430	-50.10	-40	Pass

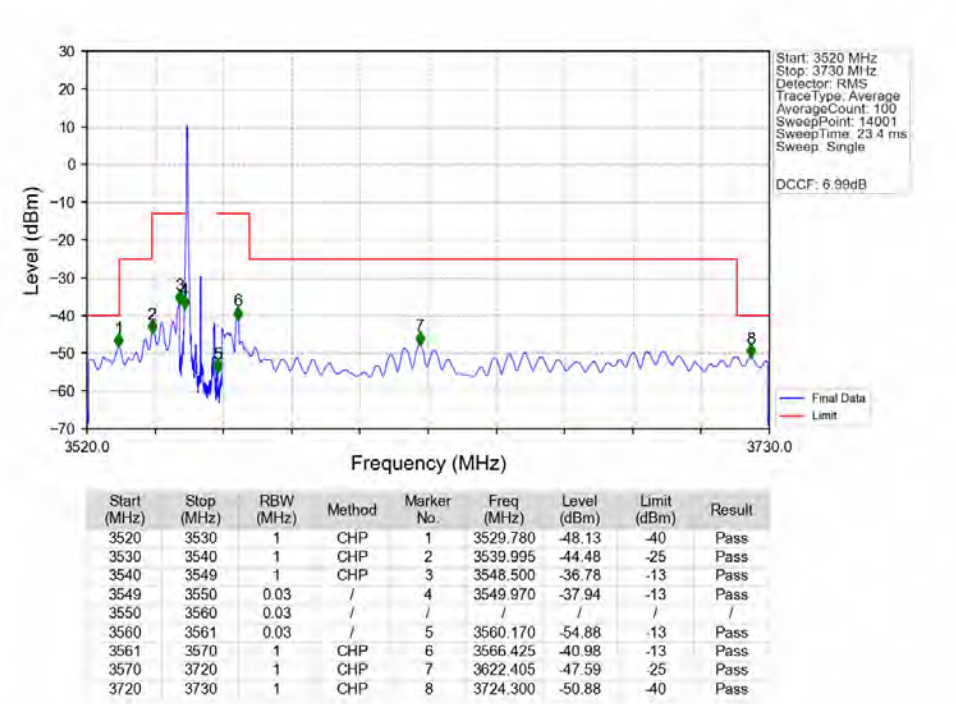
## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Inner\_1RB\_Right\_Ant1



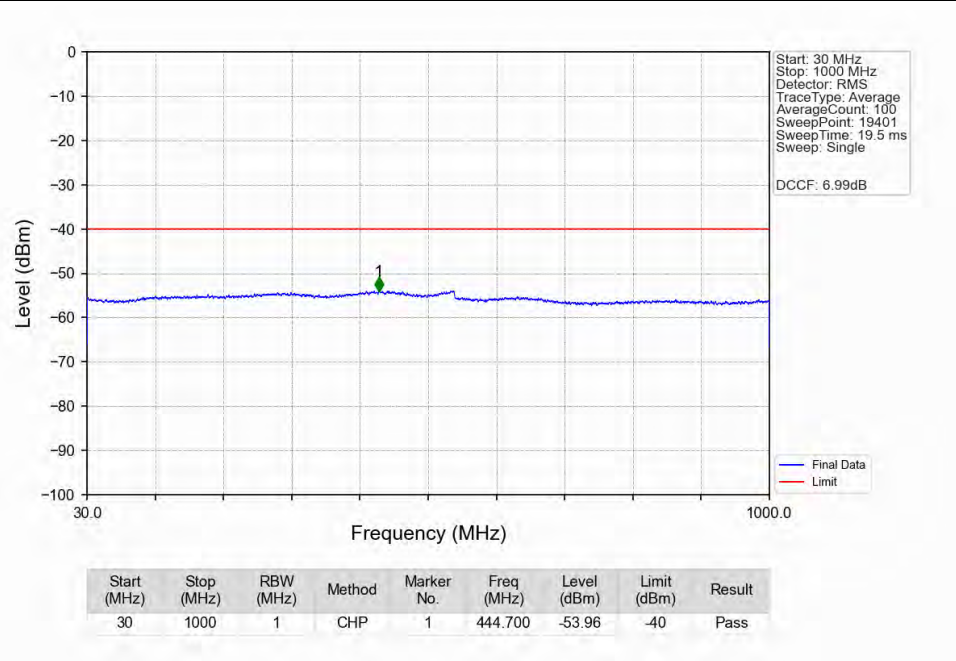
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.195	-46.98	-40	Pass
3530	3679.98	1	CHP	2	3558.295	-45.52	-25	Pass
3679.98	3688.98	1	CHP	3	3683.335	-40.43	-13	Pass
3688.98	3689.98	0.03	/	4	3689.425	-52.42	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3699.985	-46.31	-13	Pass
3700.98	3709.98	1	CHP	6	3701.485	-35.73	-13	Pass
3709.98	3720	1	CHP	7	3711.595	-46.45	-25	Pass
3720	3730	1	CHP	8	3720.010	-47.71	-40	Pass



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1

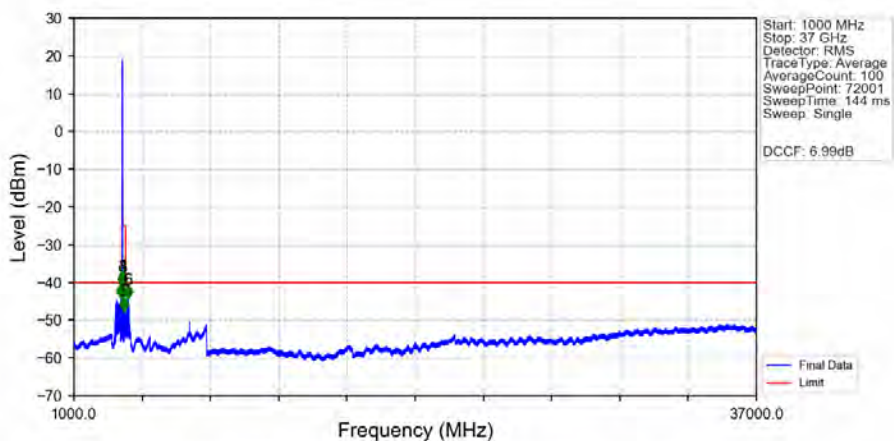


n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1



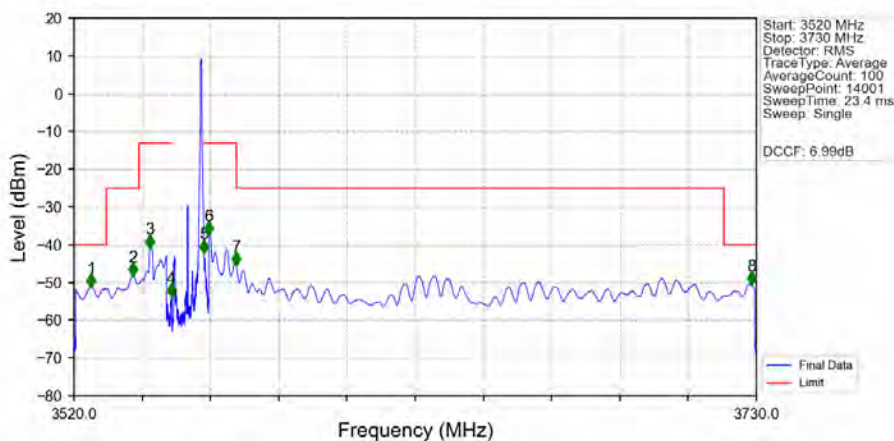


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3478.500	-43.84	-40	Pass
3530	3540	1	/	2	3540.000	-43.84	-25	Pass
3540	3549	1	/	3	3543.000	-40.68	-13	Pass
3549	3565	1	/	/	/	/	/	/
3565	3570	1	/	4	3566.000	-40.47	-13	Pass
3570	3720	1	/	5	3621.500	-47.16	-25	Pass
3720	37000	1	/	6	3848.500	-43.99	-40	Pass

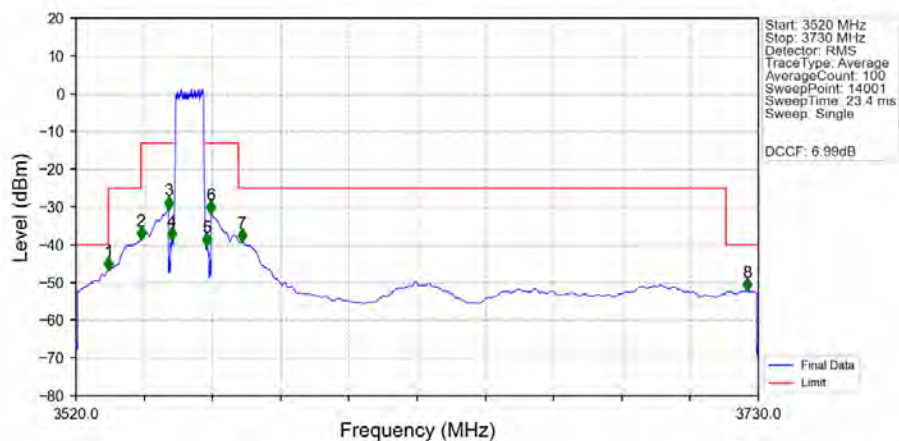
## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Edge\_1RB\_Right\_Ant1



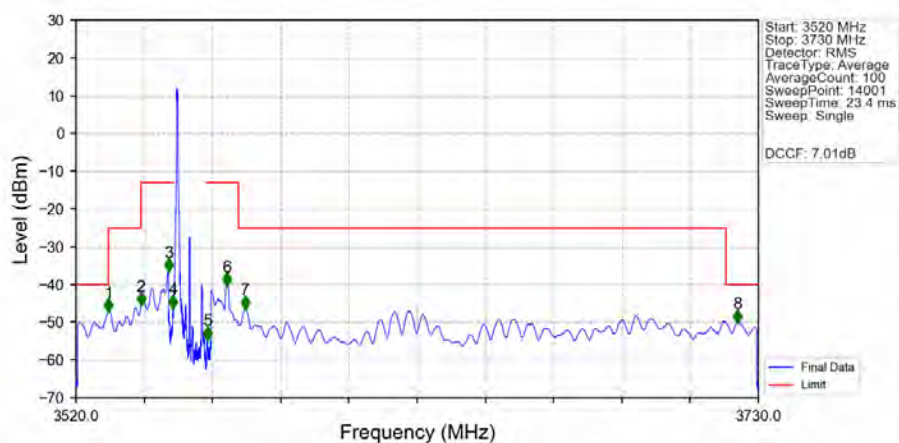
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.325	-51.12	-40	Pass
3530	3540	1	CHP	2	3538.060	-48.03	-25	Pass
3540	3549	1	CHP	3	3543.445	-40.71	-13	Pass
3549	3550	0.03	/	4	3549.940	-53.69	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.005	-41.94	-13	Pass
3561	3570	1	CHP	6	3561.505	-37.23	-13	Pass
3570	3720	1	CHP	7	3570.010	-45.33	-25	Pass
3720	3730	1	CHP	8	3728.440	-50.49	-40	Pass



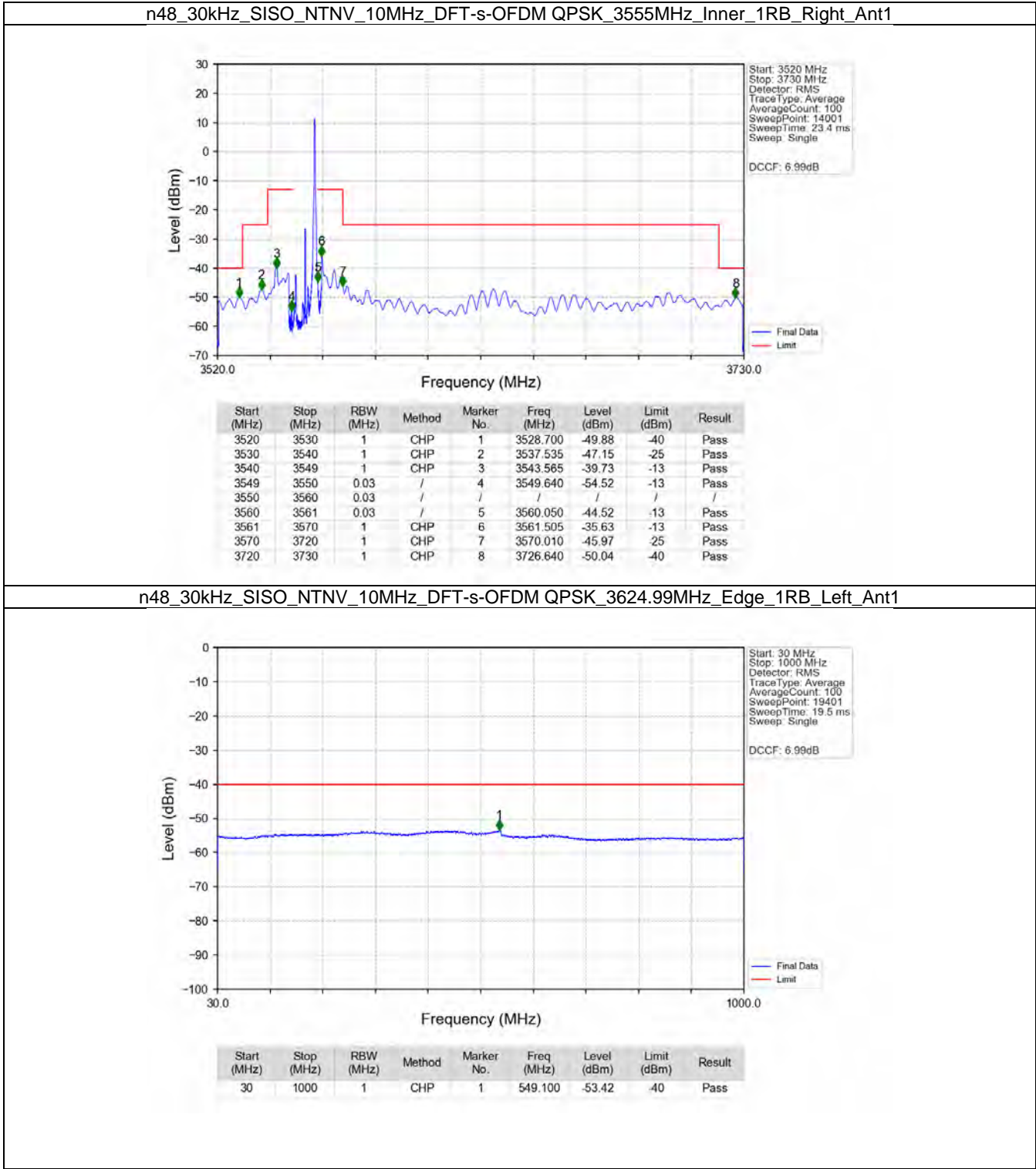
n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Outer\_Full\_Ant1



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Inner\_1RB\_Left\_Ant1

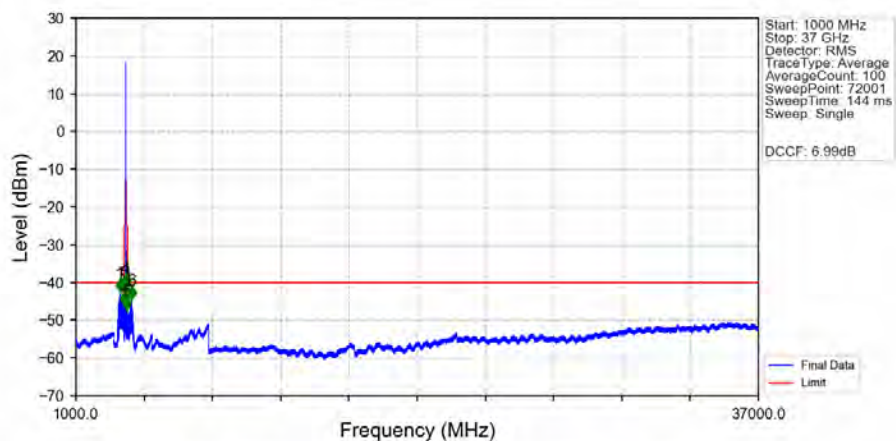






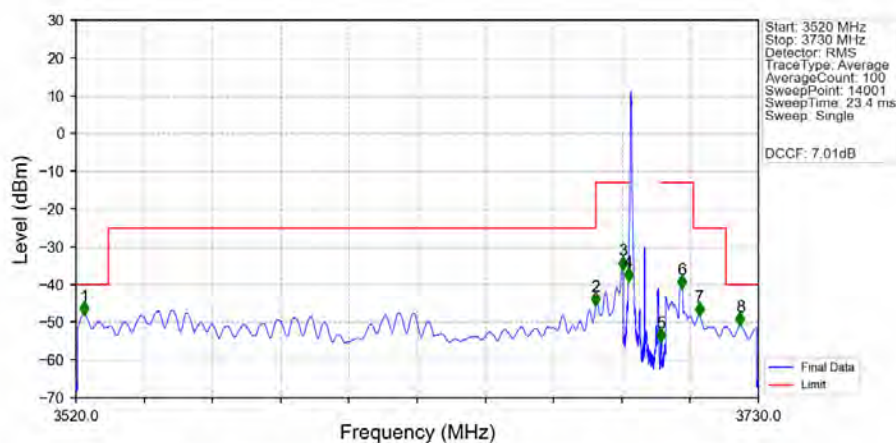


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left\_Ant1



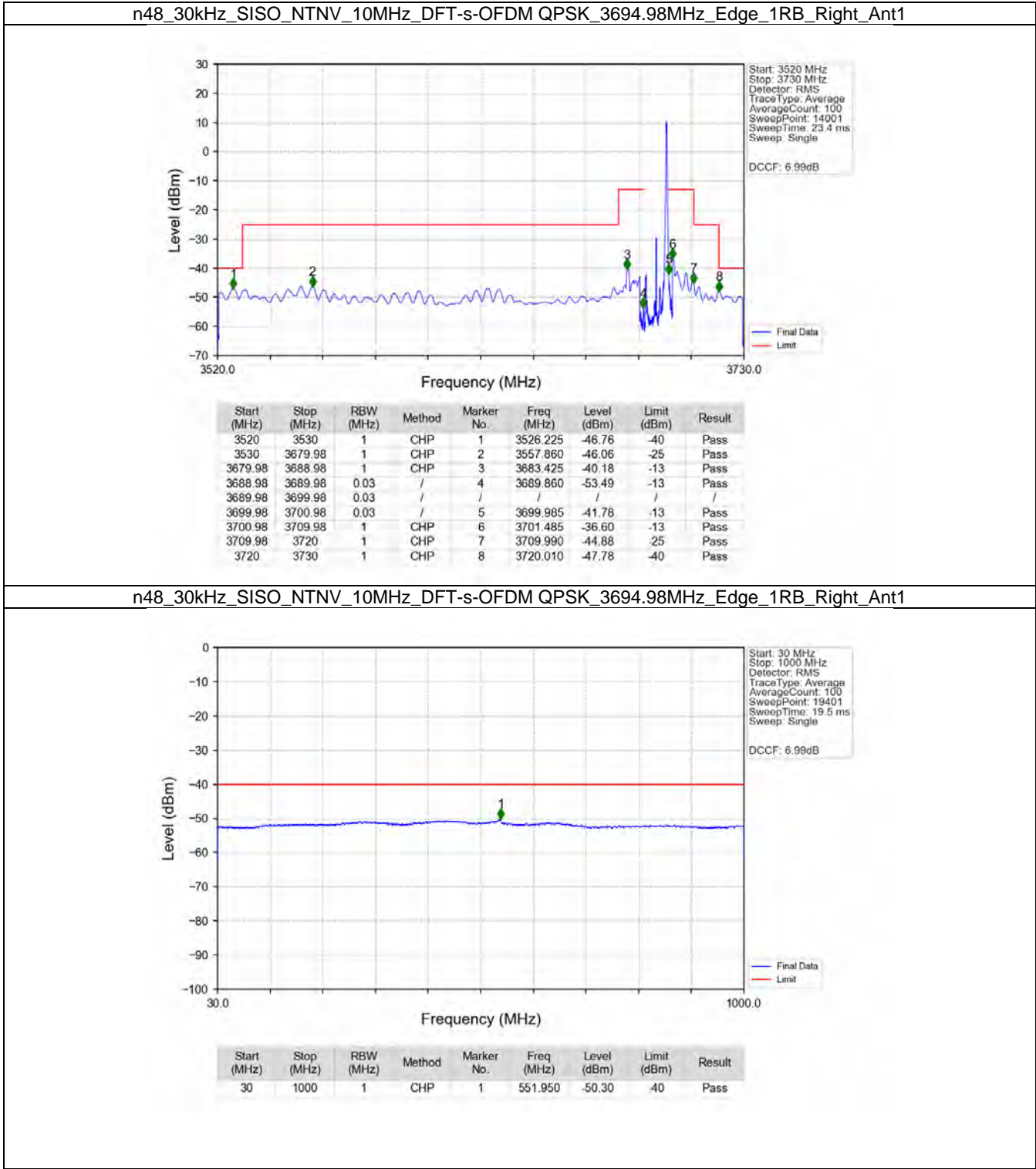
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3327.500	-42.35	-40	Pass
3530	3609.99	1	/	2	3553.500	-45.80	-25	Pass
3609.99	3618.99	1	/	3	3613.000	-41.99	-13	Pass
3618.99	3634.99	1	/	/	/	/	/	/
3634.99	3639.99	1	/	4	3636.000	-41.08	-13	Pass
3639.99	3720	1	/	5	3687.500	-47.05	-25	Pass
3720	37000	1	/	6	3922.500	-44.31	-40	Pass

## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Left\_Ant1



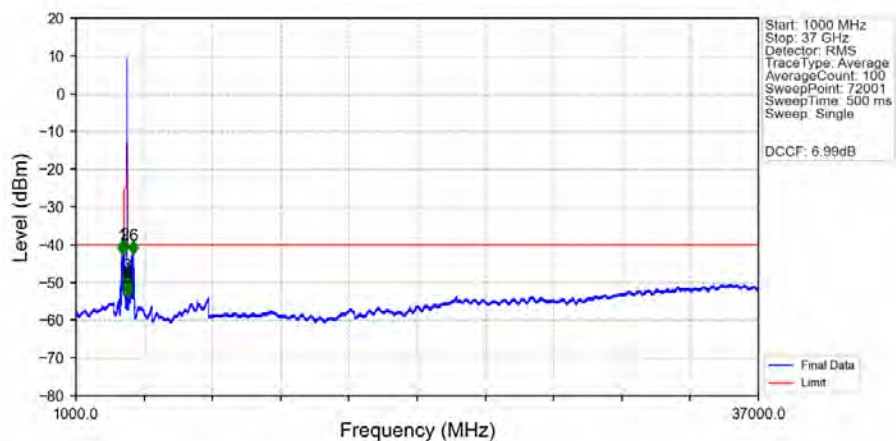
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.580	-47.84	-40	Pass
3530	3679.98	1	CHP	2	3679.975	-45.39	-25	Pass
3679.98	3688.98	1	CHP	3	3688.270	-35.80	-13	Pass
3688.98	3689.98	0.03	/	4	3689.965	-38.89	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3700.030	-54.90	-13	Pass
3700.98	3709.98	1	CHP	6	3706.375	-40.80	-13	Pass
3709.98	3720	1	CHP	7	3711.790	-48.05	-25	Pass
3720	3730	1	CHP	8	3724.405	-50.64	-40	Pass





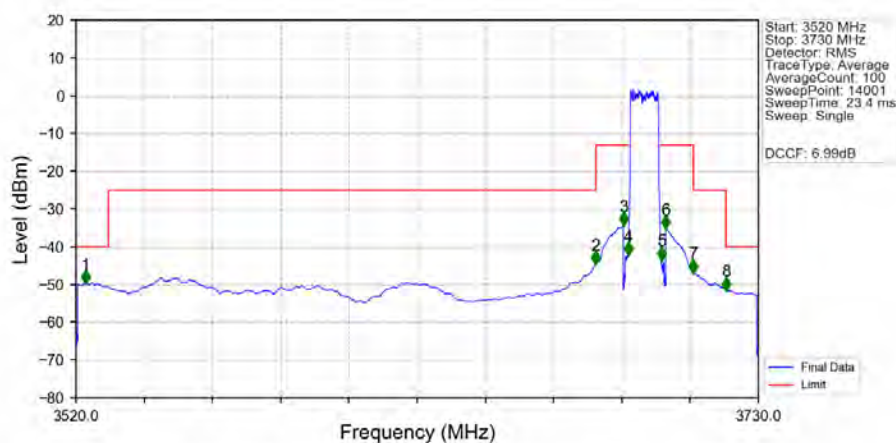


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3430.500	-42.31	-40	Pass
3530	3679.98	1	/	2	3558.000	-42.14	-25	Pass
3679.98	3688.98	1	/	3	3683.500	-50.31	-13	Pass
3688.98	3704.98	1	/	/	/	/	/	/
3704.98	3709.98	1	/	4	3706.500	-52.22	-13	Pass
3709.98	3720	1	/	5	3711.500	-53.60	25	Pass
3720	37000	1	/	6	4032.000	-42.23	-40	Pass

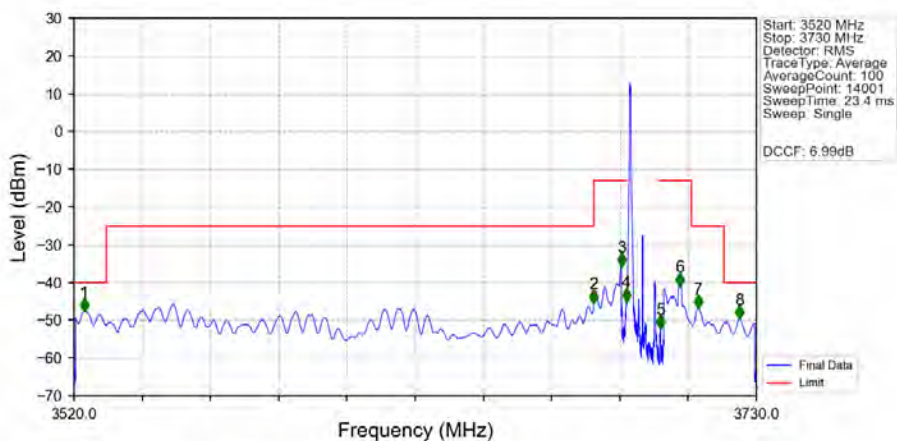
## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Outer\_Full\_Ant1



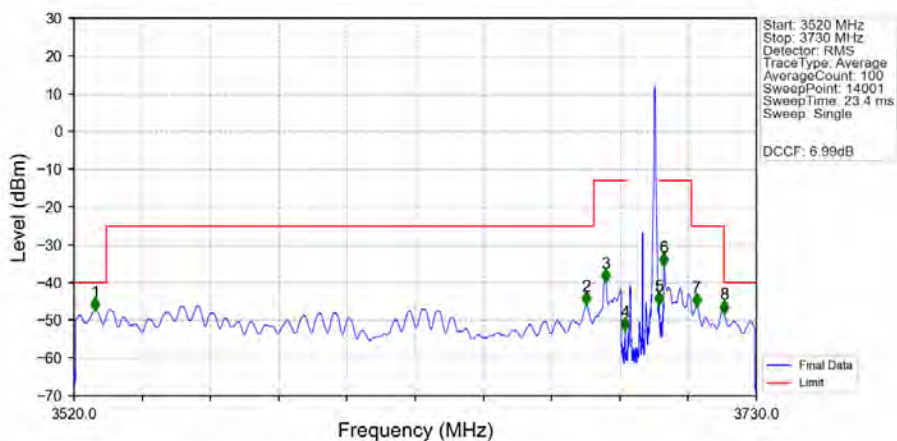
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.880	-49.58	-40	Pass
3530	3679.98	1	CHP	2	3679.945	-44.47	-25	Pass
3679.98	3688.98	1	CHP	3	3688.480	-34.19	-13	Pass
3688.98	3689.98	0.09405	CHP	4	3689.935	-42.04	-13	Pass
3689.98	3699.98	0.09405	CHP	/	/	/	/	/
3699.98	3700.98	0.09405	CHP	5	3700.165	-43.23	-13	Pass
3700.98	3709.98	1	CHP	6	3701.485	-35.05	-13	Pass
3709.98	3720	1	CHP	7	3709.990	-46.66	25	Pass
3720	3730	1	CHP	8	3720.010	-51.37	-40	Pass



## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Left\_Ant1

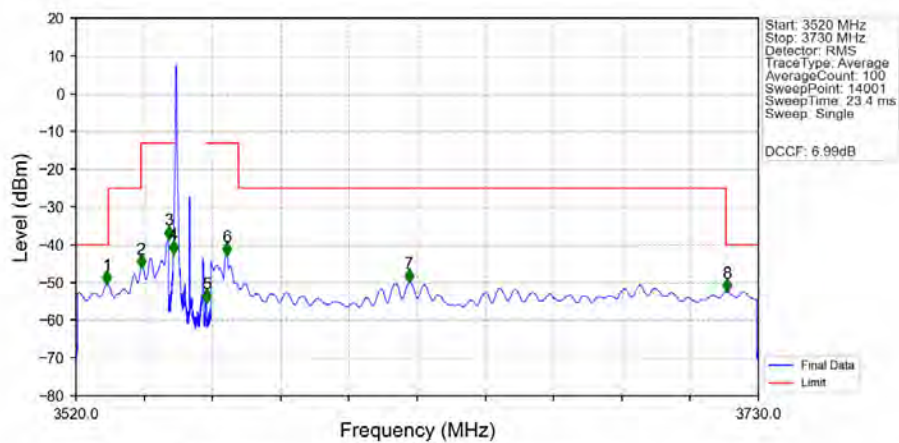


## n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Right\_Ant1



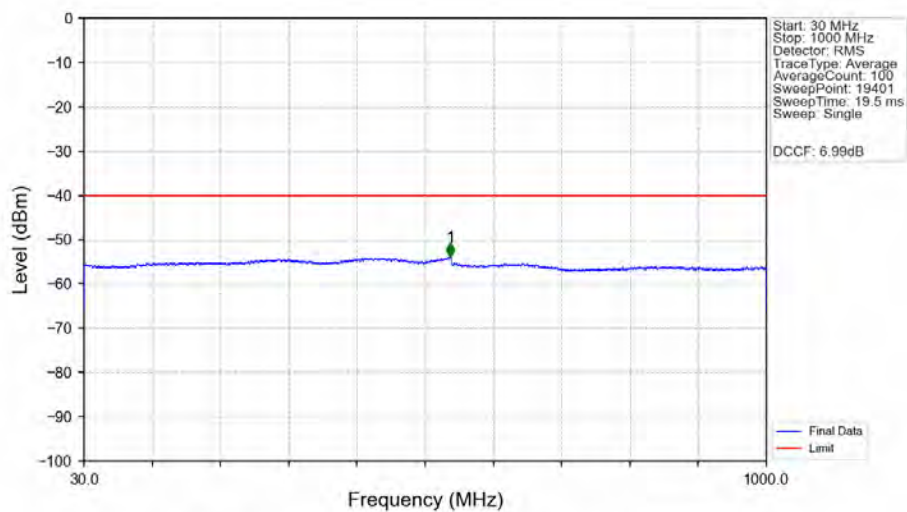


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.555	-50.27	-40	Pass
3530	3540	1	CHP	2	3539.995	-45.98	-25	Pass
3540	3549	1	CHP	3	3548.440	-38.37	-13	Pass
3549	3550	0.03	/	4	3549.985	-42.18	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.155	-55.17	-13	Pass
3561	3570	1	CHP	6	3566.515	-42.77	-13	Pass
3570	3720	1	CHP	7	3622.570	-49.72	-25	Pass
3720	3730	1	CHP	8	3720.280	-52.38	-40	Pass

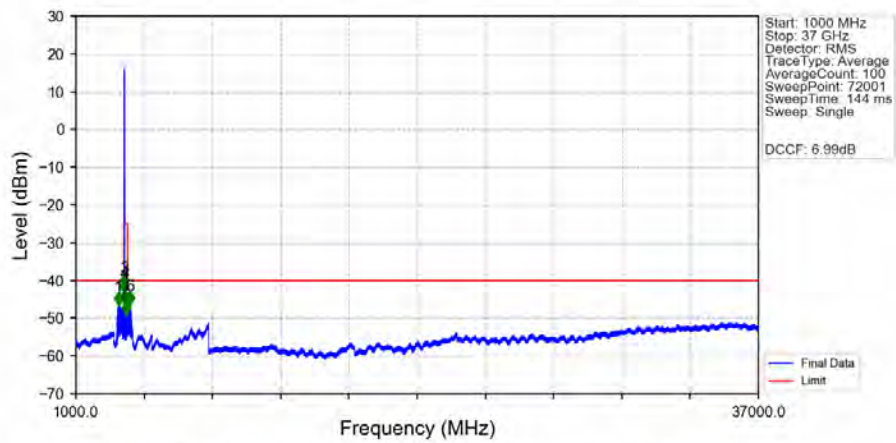
n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	551.000	-53.80	-40	Pass

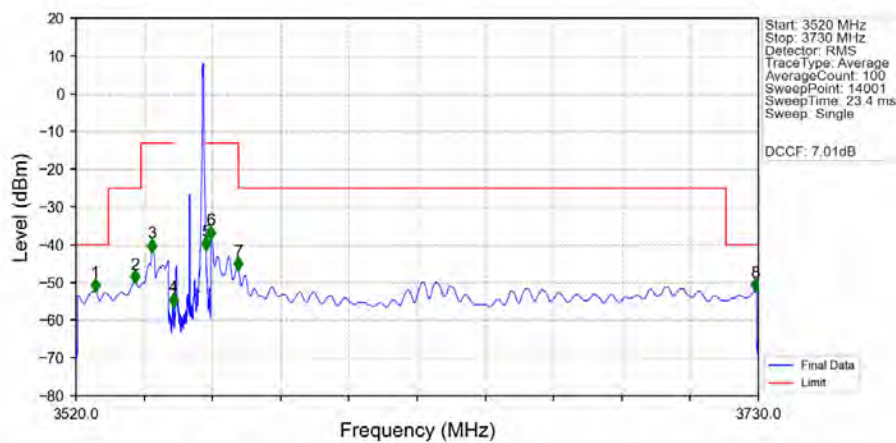


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3256.000	-46.41	-40	Pass
3530	3540	1	/	2	3540.000	-45.97	-25	Pass
3540	3549	1	/	3	3543.500	-41.51	-13	Pass
3549	3565	1	/	/	/	/	/	/
3565	3570	1	/	4	3566.000	-42.89	-13	Pass
3570	3720	1	/	5	3622.500	-48.66	-25	Pass
3720	37000	1	/	6	3848.000	-46.16	-40	Pass

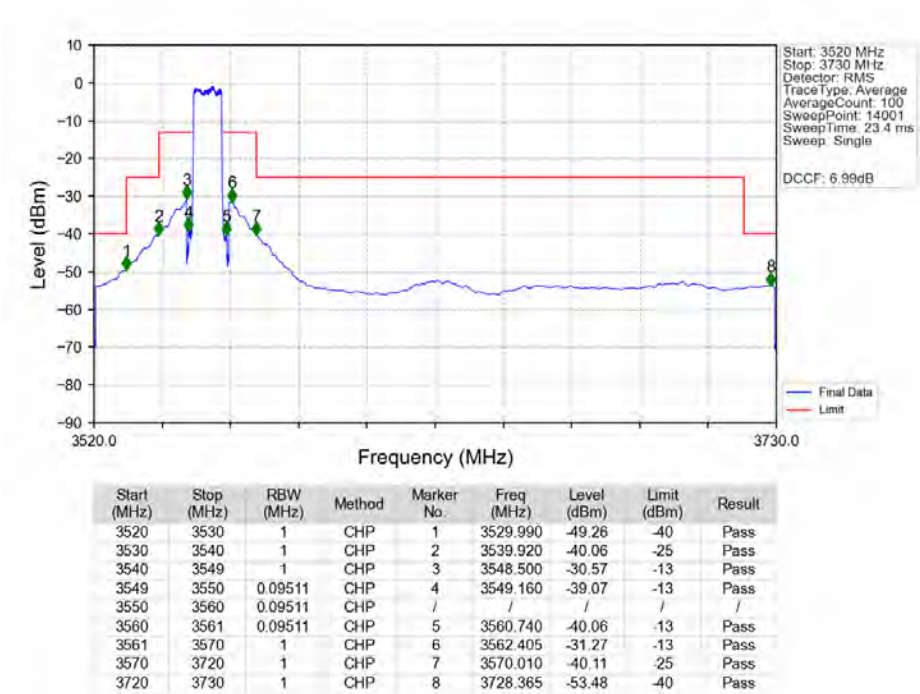
n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Edge\_1RB\_Right\_Ant1



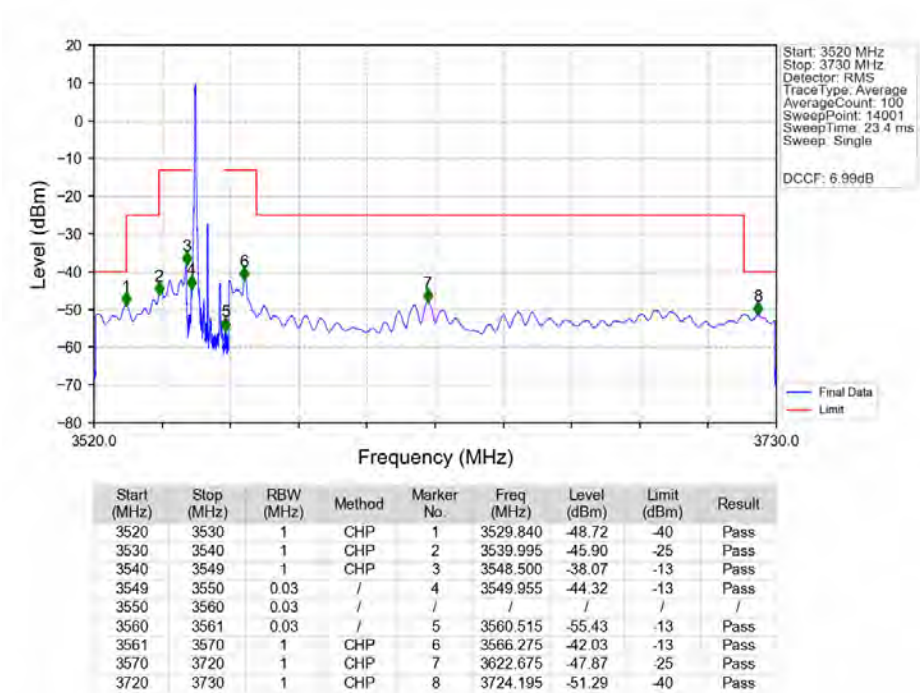
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.940	-52.26	-40	Pass
3530	3540	1	CHP	2	3538.225	-49.93	-25	Pass
3540	3549	1	CHP	3	3543.415	-41.78	-13	Pass
3549	3550	0.03	/	4	3549.985	-56.10	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.005	-41.19	-13	Pass
3561	3570	1	CHP	6	3561.505	-38.32	-13	Pass
3570	3720	1	CHP	7	3570.010	-46.57	-25	Pass
3720	3730	1	CHP	8	3728.950	-52.11	-40	Pass



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Outer\_Full\_Ant1

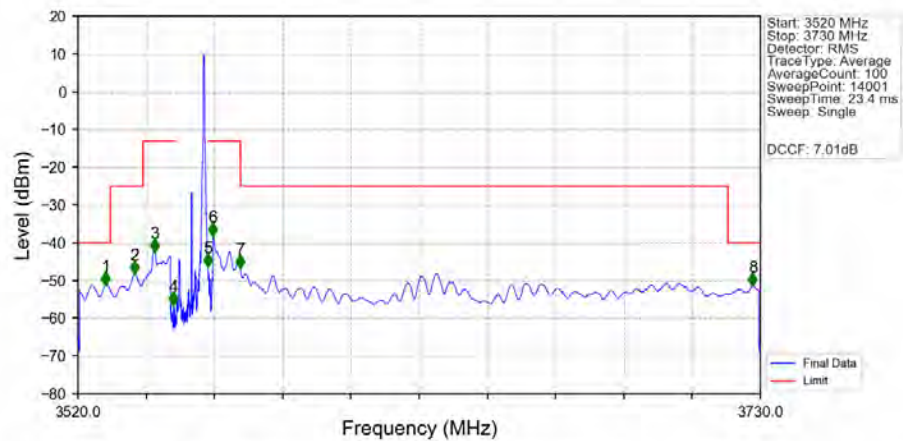


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Inner\_1RB\_Left\_Ant1



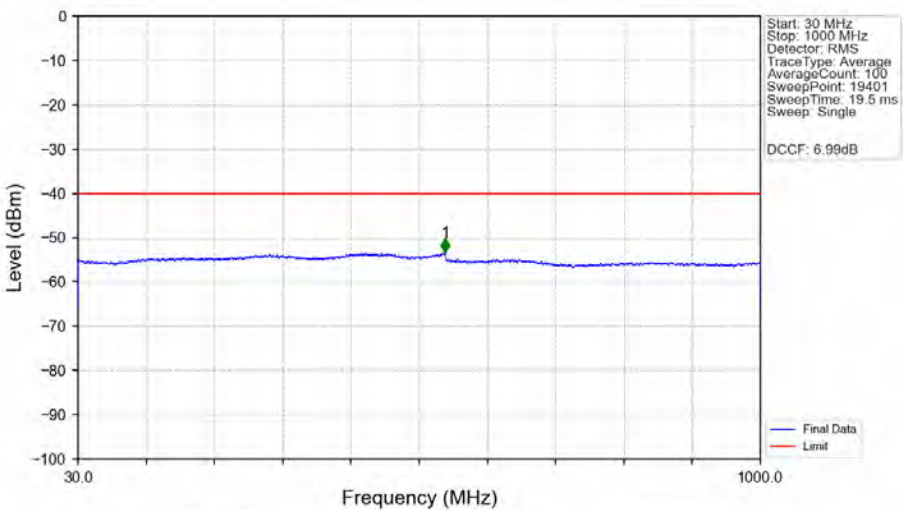


n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Inner\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.505	-51.01	-40	Pass
3530	3540	1	CHP	2	3537.415	-48.04	-25	Pass
3540	3549	1	CHP	3	3543.655	-42.26	-13	Pass
3549	3550	0.03	/	4	3549.400	-56.36	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	5	3560.005	-46.08	-13	Pass
3561	3570	1	CHP	6	3561.505	-38.07	-13	Pass
3570	3720	1	CHP	7	3570.010	-46.54	-25	Pass
3720	3730	1	CHP	8	3727.630	-51.24	-40	Pass

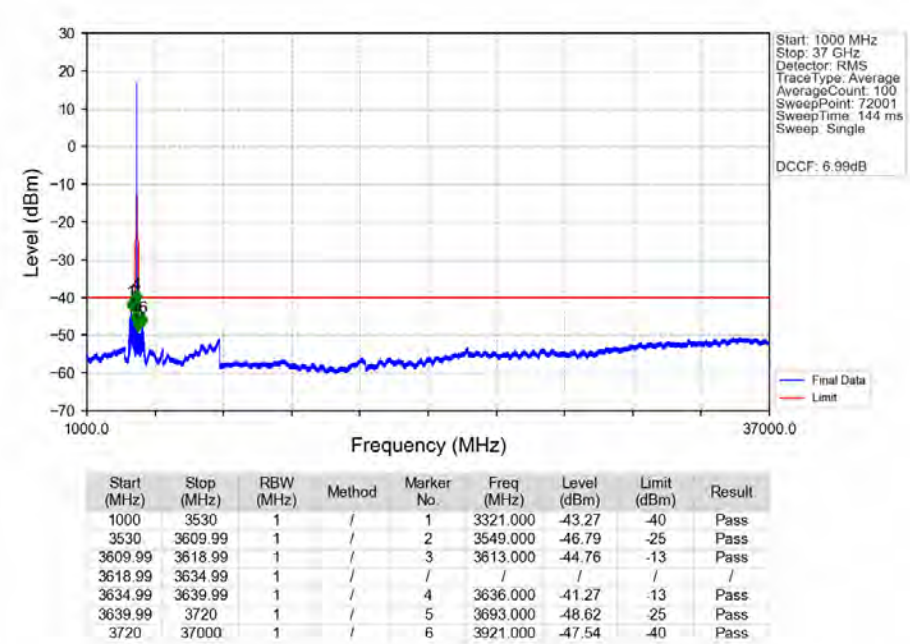
n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left\_Ant1



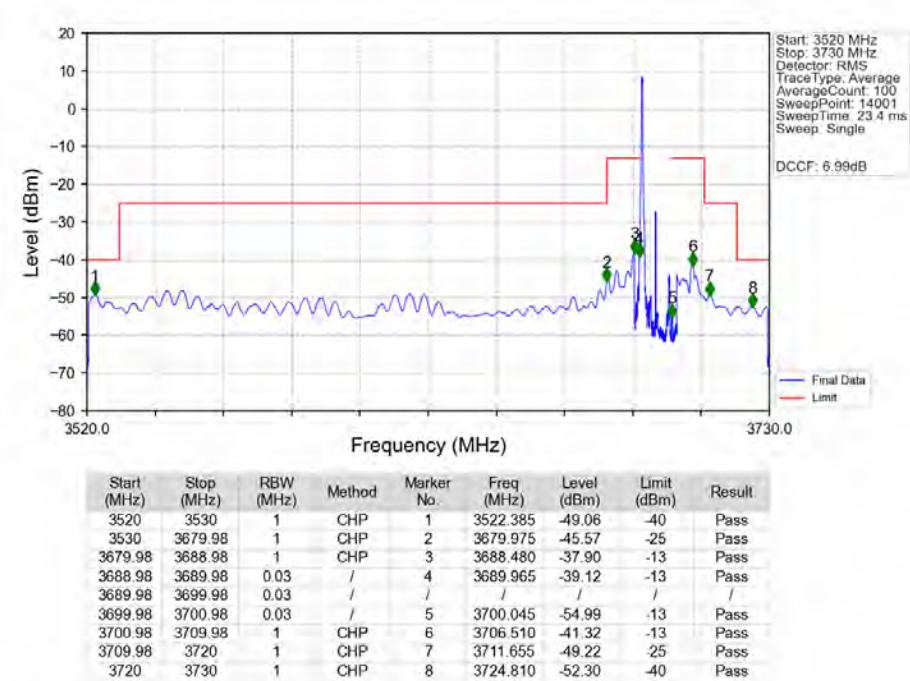
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	551.900	-53.23	-40	Pass



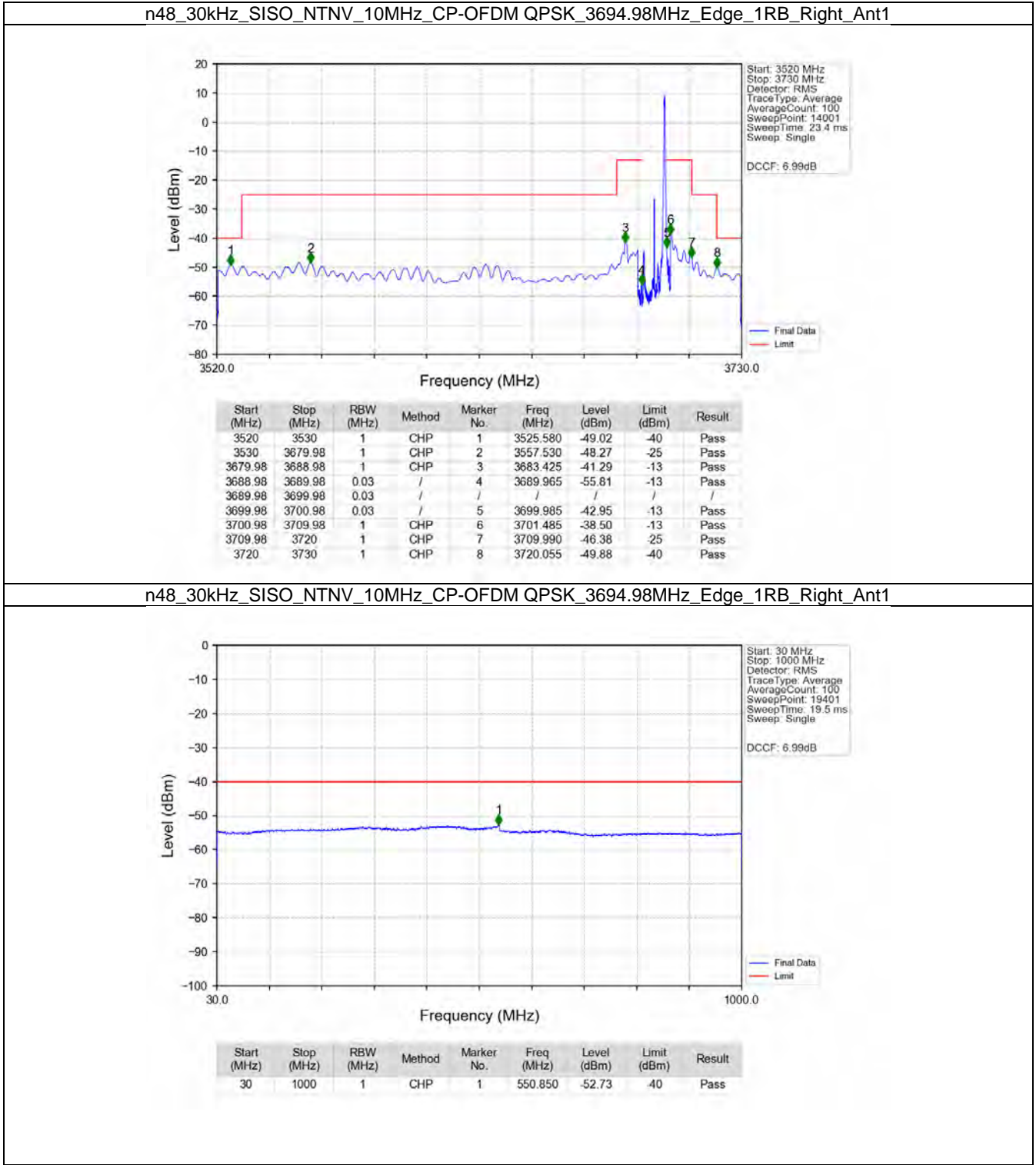
n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left\_Ant1



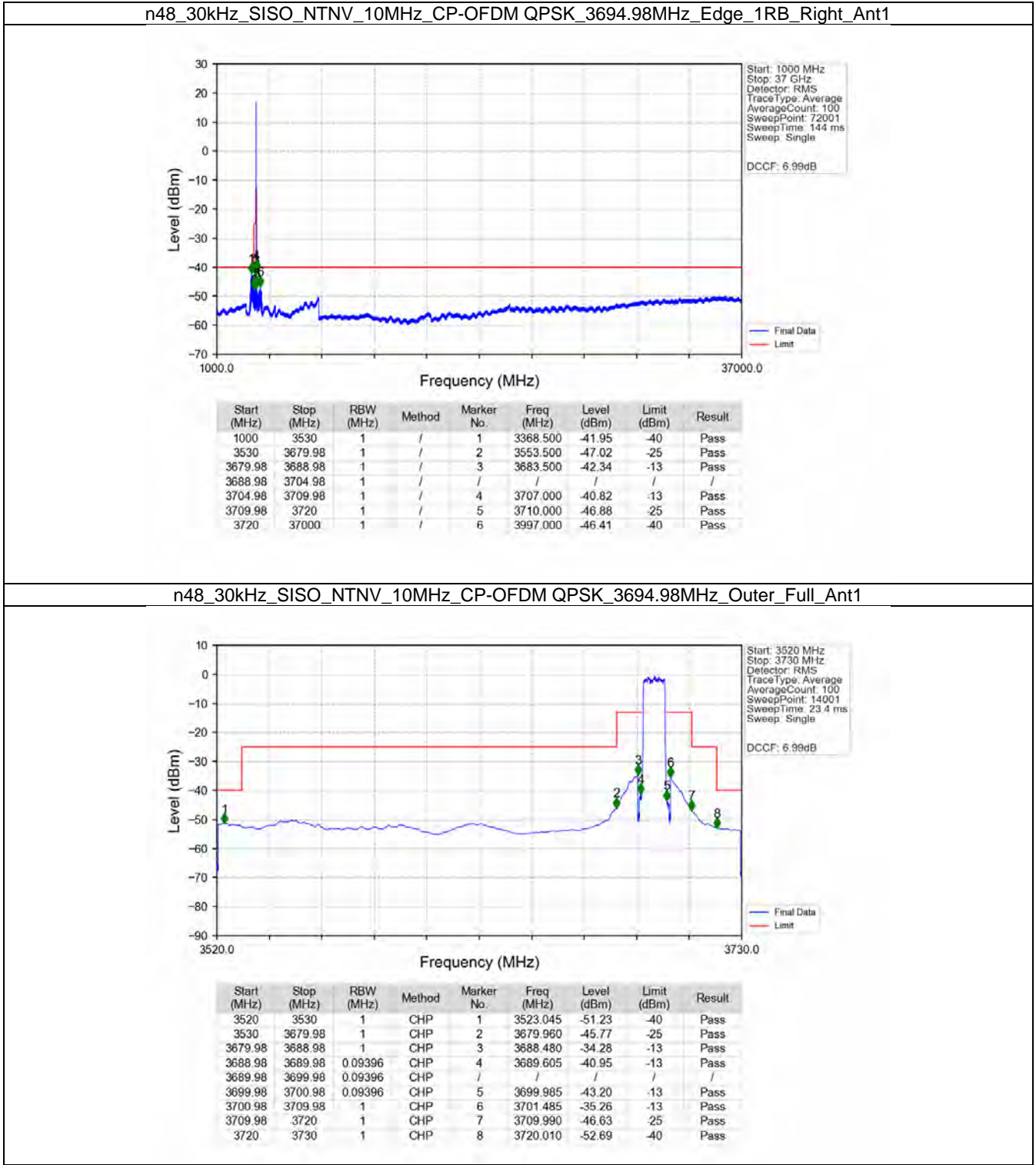
n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Edge\_1RB\_Left\_Ant1





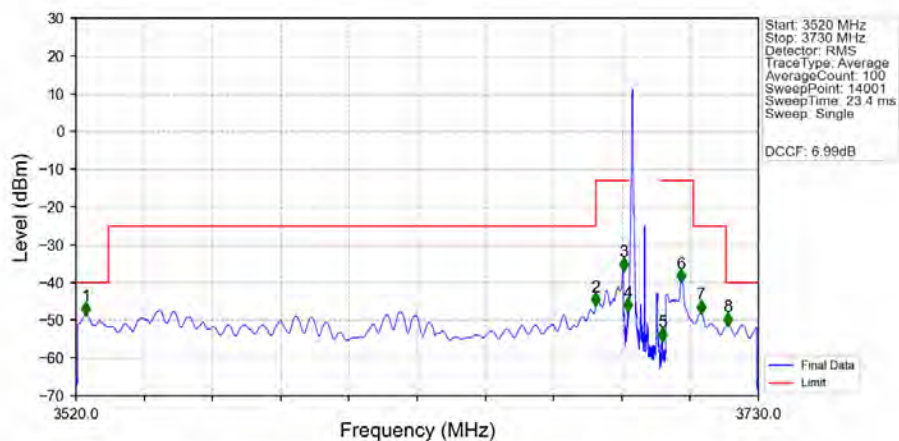






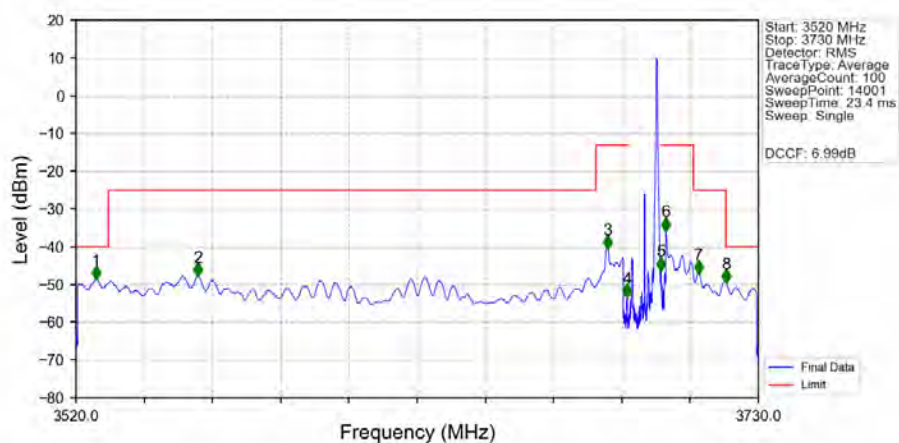


## n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.030	-48.46	-40	Pass
3530	3679.98	1	CHP	2	3679.975	-46.03	-25	Pass
3679.98	3688.98	1	CHP	3	3688.480	-36.68	-13	Pass
3688.98	3689.98	0.03	/	4	3689.815	-47.42	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3700.510	-55.29	-13	Pass
3700.98	3709.98	1	CHP	6	3706.225	-39.82	-13	Pass
3709.98	3720	1	CHP	7	3712.315	-48.00	25	Pass
3720	3730	1	CHP	8	3720.610	-51.21	-40	Pass

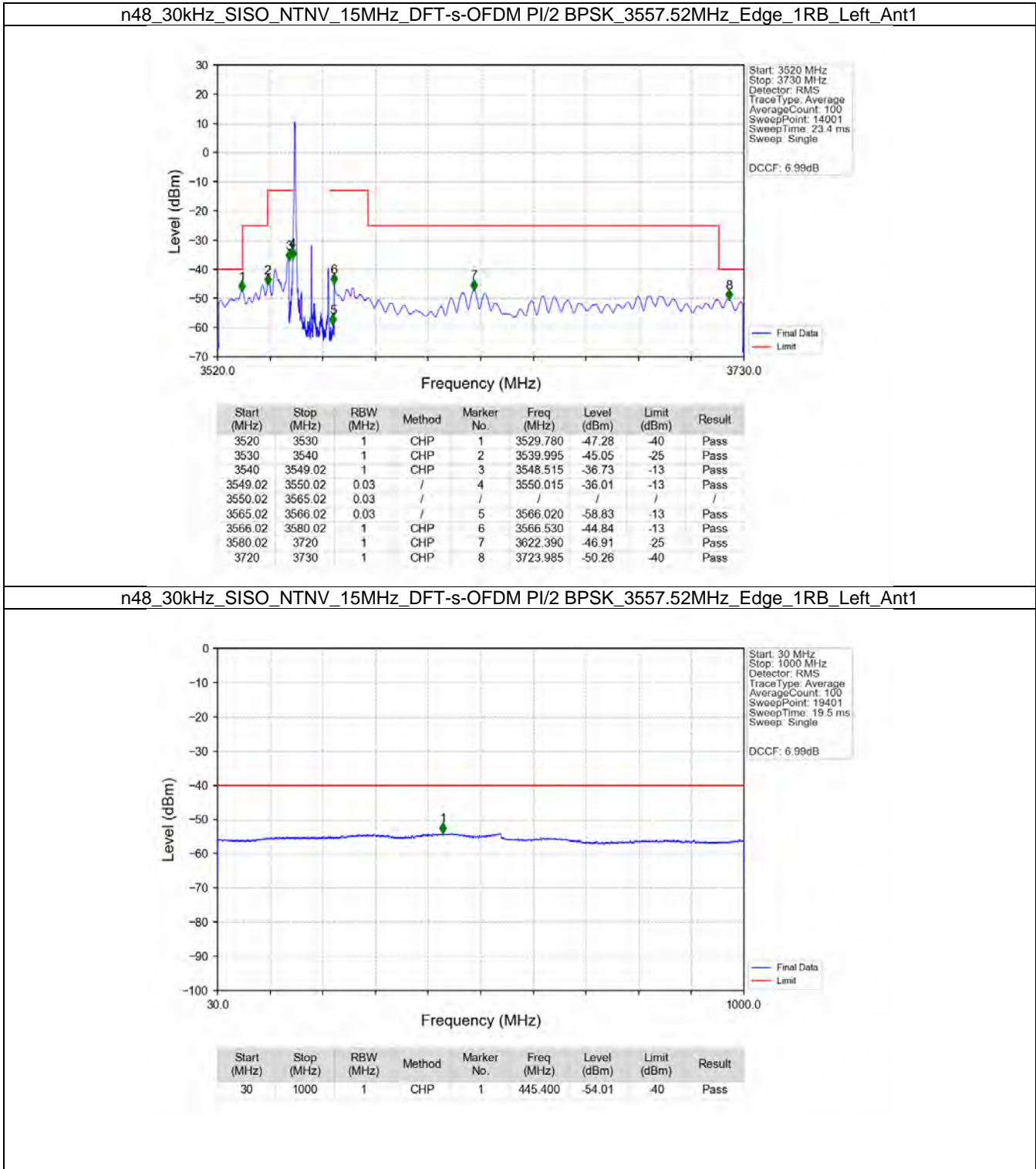
## n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3694.98MHz\_Inner\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.195	-48.55	-40	Pass
3530	3679.98	1	CHP	2	3557.545	-47.66	-25	Pass
3679.98	3688.98	1	CHP	3	3683.545	-40.37	-13	Pass
3688.98	3689.98	0.03	/	4	3689.620	-53.17	-13	Pass
3689.98	3699.98	0.03	/	/	/	/	/	/
3699.98	3700.98	0.03	/	5	3700.000	-46.00	-13	Pass
3700.98	3709.98	1	CHP	6	3701.485	-35.59	-13	Pass
3709.98	3720	1	CHP	7	3711.535	-47.07	25	Pass
3720	3730	1	CHP	8	3720.010	-49.36	-40	Pass

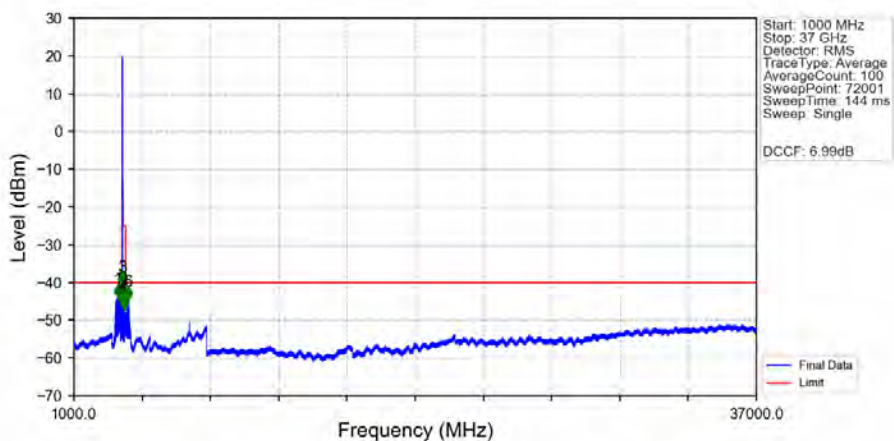


5.2.2 30\_SISO\_15M\_NTNV



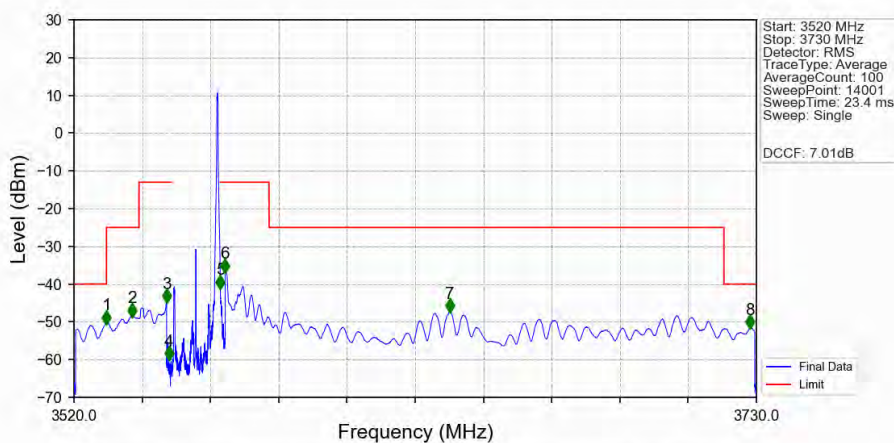


## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3557.52MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3320.000	-43.82	-40	Pass
3530	3540	1	/	2	3540.000	-43.66	-25	Pass
3540	3549.02	1	/	3	3542.500	-40.60	-13	Pass
3549.02	3570.02	1	/	/	/	/	/	/
3570.02	3580.02	1	/	4	3573.500	-45.85	-13	Pass
3580.02	3720	1	/	5	3617.500	-46.73	-25	Pass
3720	37000	1	/	6	3851.000	-44.44	-40	Pass

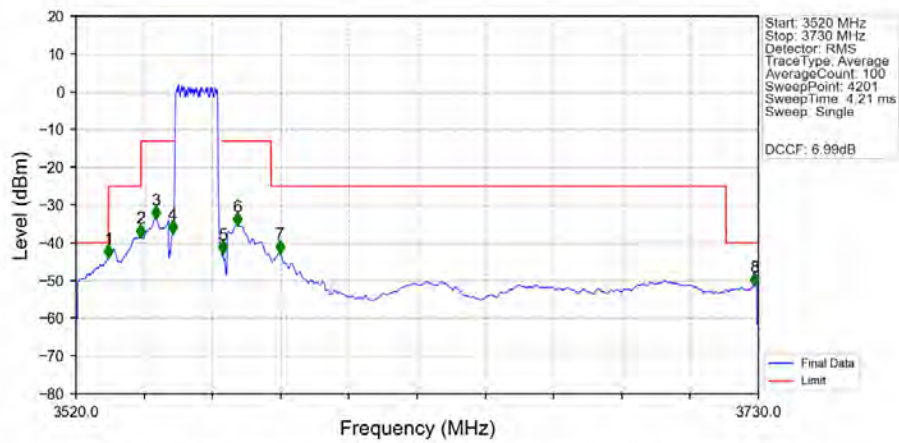
## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3557.52MHz\_Edge\_1RB\_Right\_Ant1



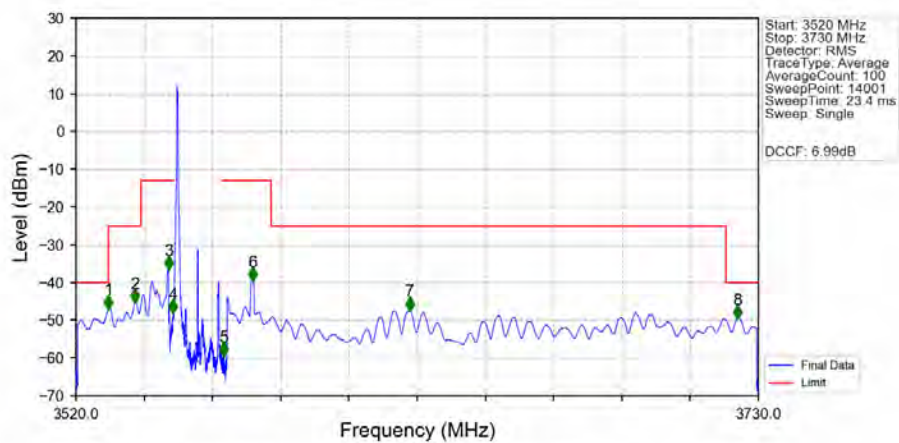
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.990	-50.32	-40	Pass
3530	3540	1	CHP	2	3537.940	-48.44	-25	Pass
3540	3549.02	1	CHP	3	3548.500	-44.66	-13	Pass
3549.02	3550.02	0.03	/	4	3549.190	-59.90	-13	Pass
3550.02	3565.02	0.03	/	/	/	/	/	/
3565.02	3566.02	0.03	/	5	3565.030	-40.93	-13	Pass
3566.02	3580.02	1	CHP	6	3566.530	-36.69	-13	Pass
3580.02	3720	1	CHP	7	3635.725	-47.29	-25	Pass
3720	3730	1	CHP	8	3728.050	-51.56	-40	Pass



## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3557.52MHz\_Outer\_Full\_Ant1

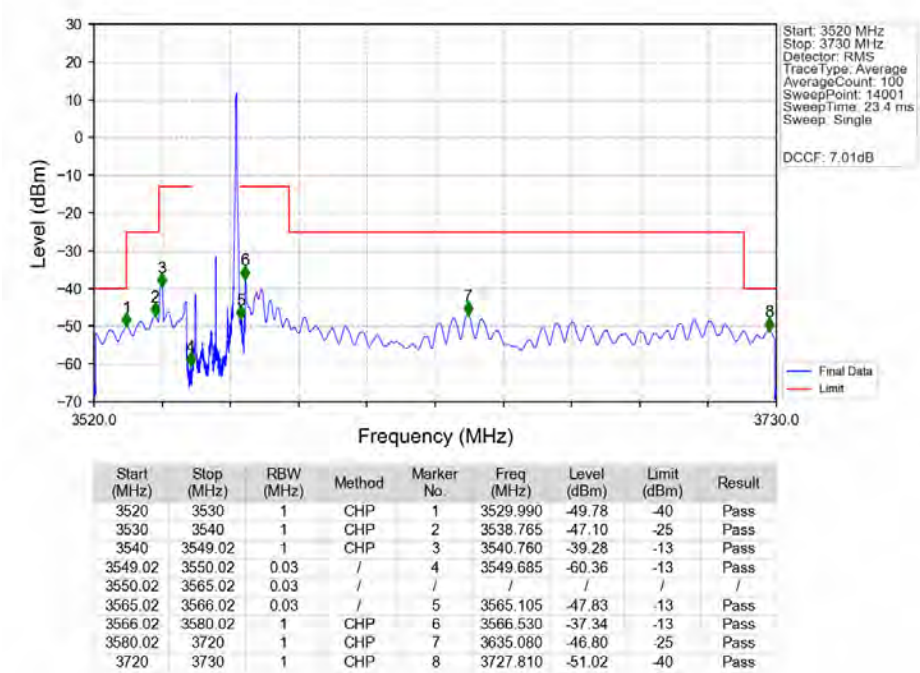


## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3557.52MHz\_Inner\_1RB\_Left\_Ant1

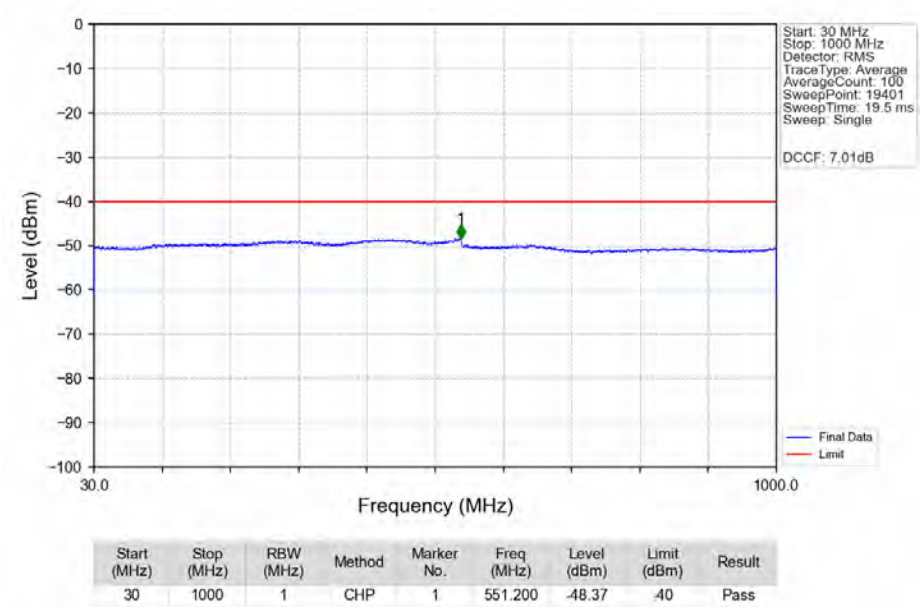




n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3557.52MHz\_Inner\_1RB\_Right\_Ant1

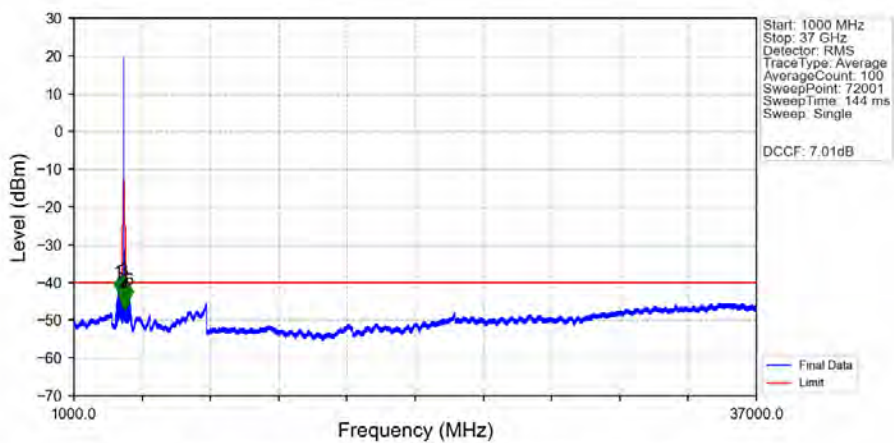


n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Left\_Ant1



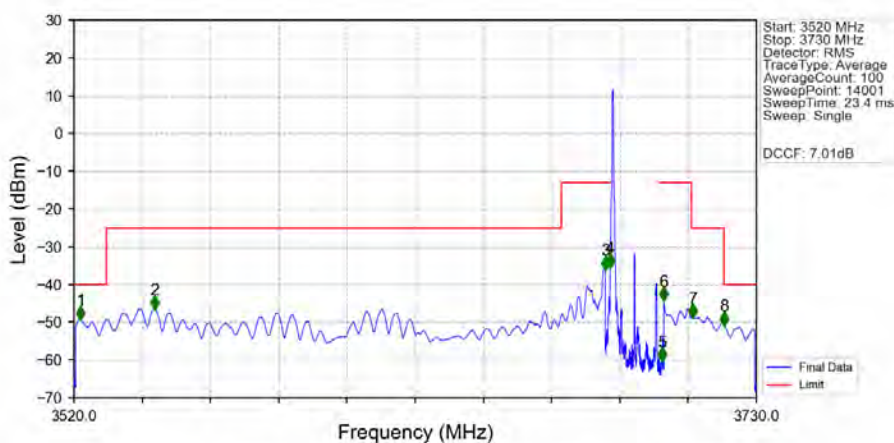


## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3320.000	-42.03	-40	Pass
3530	3602.49	1	/	2	3546.000	-44.71	-25	Pass
3602.49	3616.49	1	/	3	3611.000	-41.52	-13	Pass
3616.49	3637.49	1	/	/	/	/	/	/
3637.49	3647.49	1	/	4	3641.000	-45.43	-13	Pass
3647.49	3720	1	/	5	3690.000	-46.74	25	Pass
3720	37000	1	/	6	3911.000	-44.00	-40	Pass

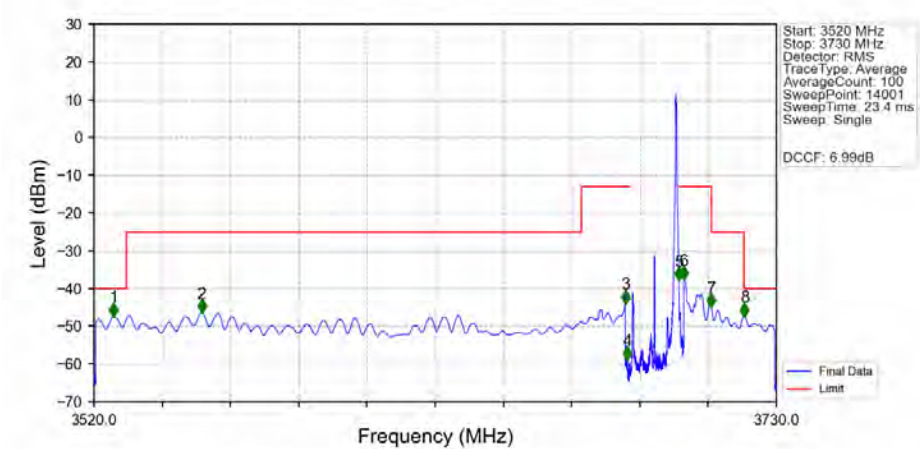
## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.025	-49.04	-40	Pass
3530	3669.99	1	CHP	2	3544.825	-46.29	-25	Pass
3669.99	3683.99	1	CHP	3	3683.485	-35.82	-13	Pass
3683.99	3684.99	0.03	/	4	3684.985	-35.19	-13	Pass
3684.99	3699.99	0.03	/	/	/	/	/	/
3699.99	3700.99	0.03	/	5	3700.960	-60.01	-13	Pass
3700.99	3710	1	CHP	6	3701.500	-44.05	-13	Pass
3710	3720	1	CHP	7	3710.500	-48.51	25	Pass
3720	3730	1	CHP	8	3720.010	-50.56	-40	Pass

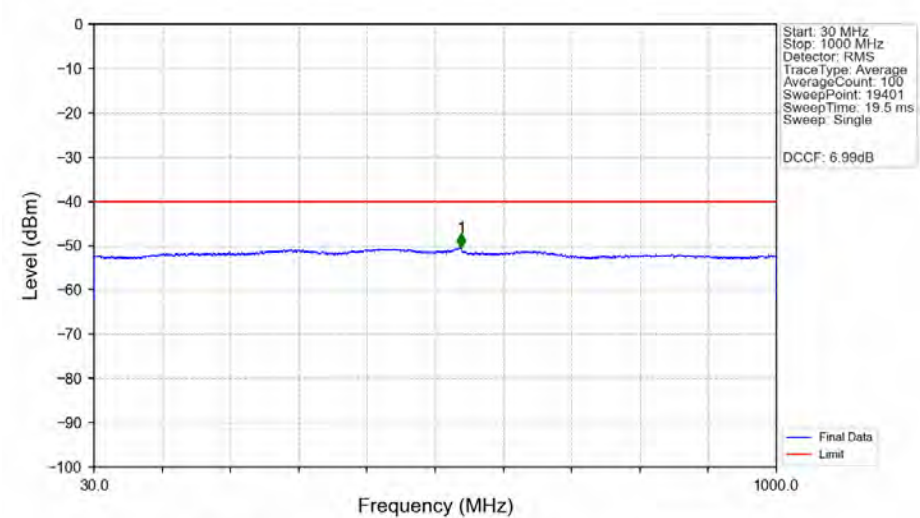


n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.015	-47.15	-40	Pass
3530	3669.99	1	CHP	2	3553.180	-46.20	-25	Pass
3669.99	3683.99	1	CHP	3	3683.485	-43.73	-13	Pass
3683.99	3684.99	0.03	/	4	3684.130	-58.69	-13	Pass
3684.99	3699.99	0.03	/	/	/	/	/	/
3699.99	3700.99	0.03	/	5	3700.000	-37.66	-13	Pass
3700.99	3710	1	CHP	6	3701.500	-37.40	-13	Pass
3710	3720	1	CHP	7	3710.005	-44.72	-25	Pass
3720	3730	1	CHP	8	3720.190	-47.14	-40	Pass

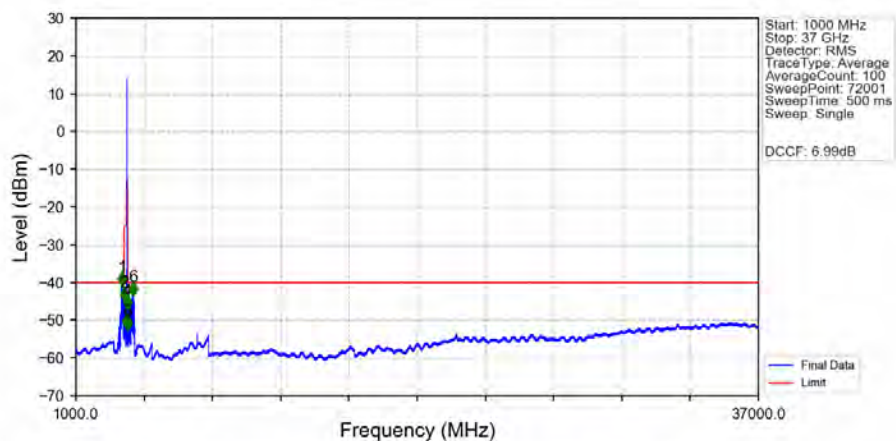
n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	551.950	-50.40	-40	Pass

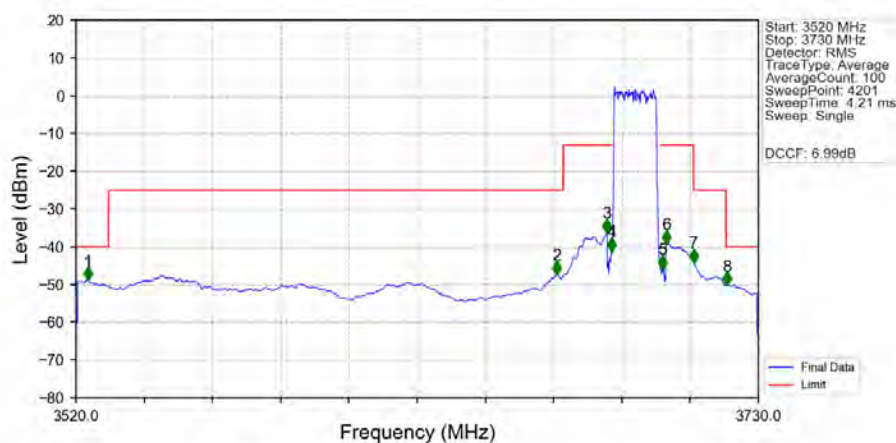


## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3435.000	-40.62	-40	Pass
3530	3669.99	1	/	2	3558.000	-44.75	-25	Pass
3669.99	3683.99	1	/	3	3678.000	-51.79	-13	Pass
3683.99	3704.99	1	/	/	/	/	/	/
3704.99	3710	1	/	4	3705.500	-46.89	-13	Pass
3710	3720	1	/	5	3711.500	-52.36	25	Pass
3720	37000	1	/	6	4033.000	-43.20	-40	Pass

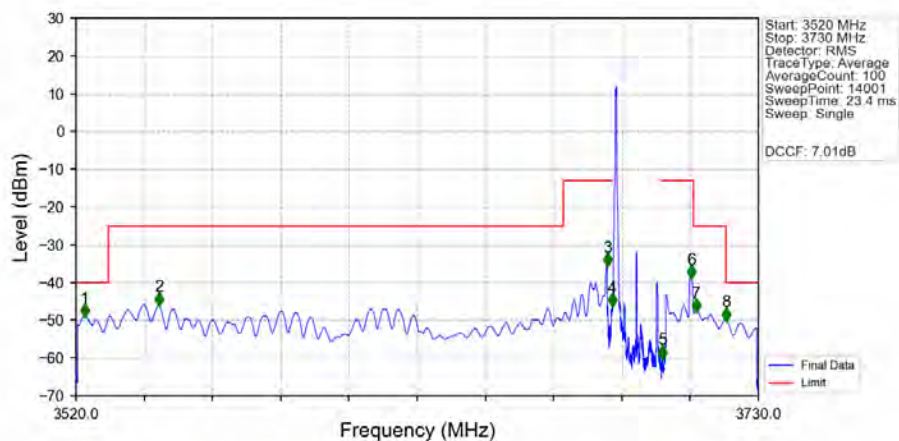
## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Outer\_Full\_Ant1



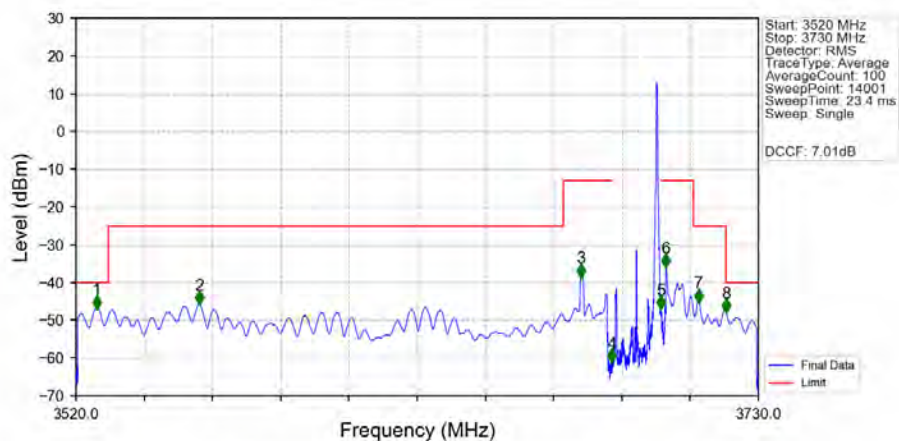
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.600	-48.76	-40	Pass
3530	3669.99	1	CHP	2	3668.050	-47.09	-25	Pass
3669.99	3683.99	1	CHP	3	3683.400	-36.01	-13	Pass
3683.99	3684.99	0.13789	CHP	4	3684.850	-40.91	-13	Pass
3684.99	3699.99	0.13789	CHP	/	/	/	/	/
3699.99	3700.99	0.13789	CHP	5	3700.500	-45.59	-13	Pass
3700.99	3710	1	CHP	6	3701.800	-38.99	-13	Pass
3710	3720	1	CHP	7	3710.050	-43.87	25	Pass
3720	3730	1	CHP	8	3720.200	-49.95	-40	Pass



## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Inner\_1RB\_Left\_Ant1

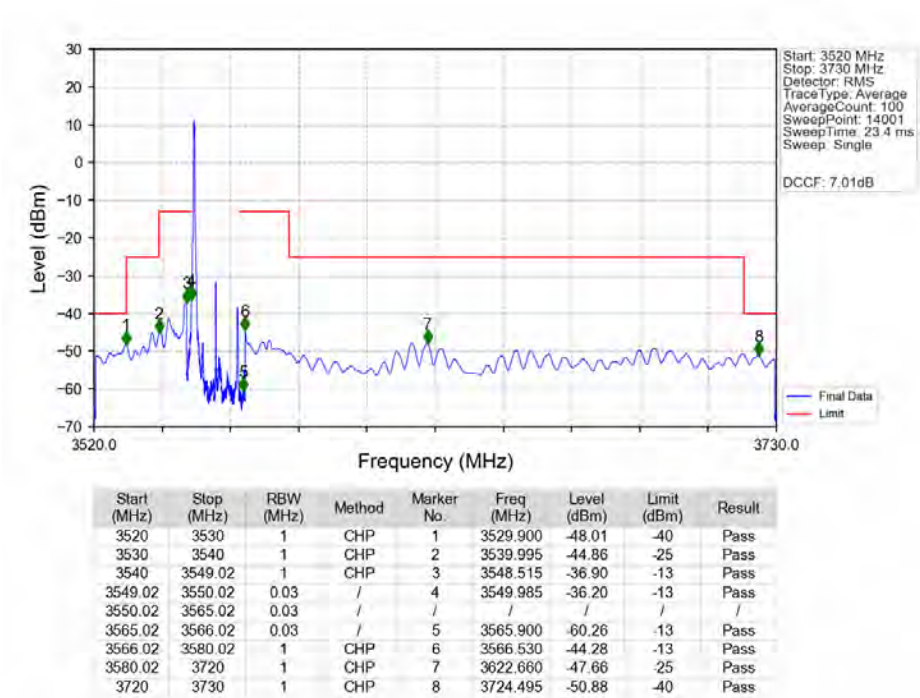


## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3692.49MHz\_Inner\_1RB\_Right\_Ant1

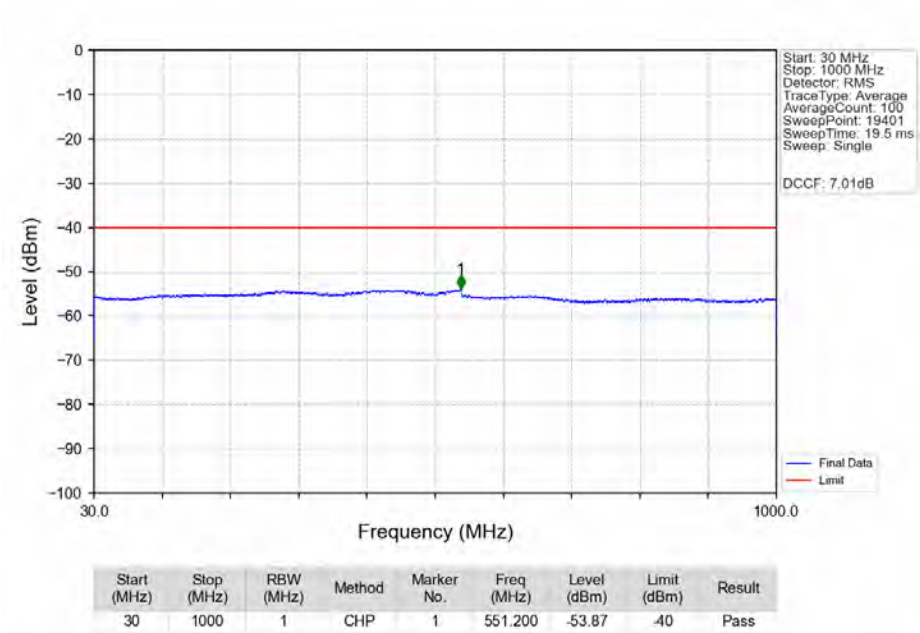




n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Edge\_1RB\_Left\_Ant1

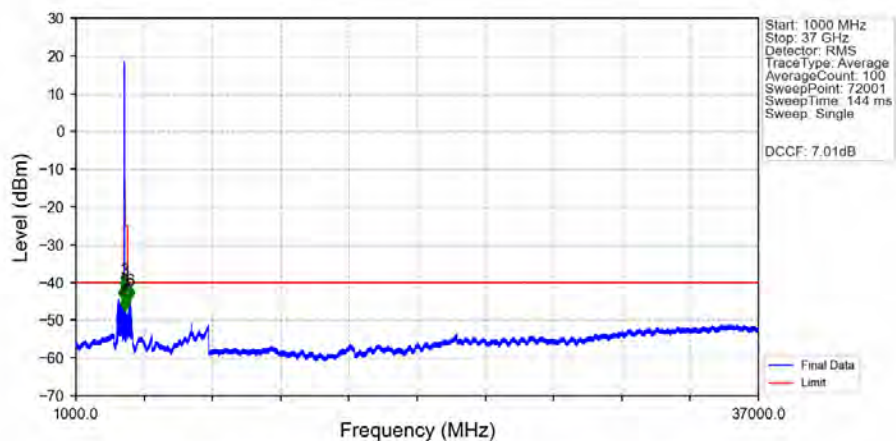


n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Edge\_1RB\_Left\_Ant1



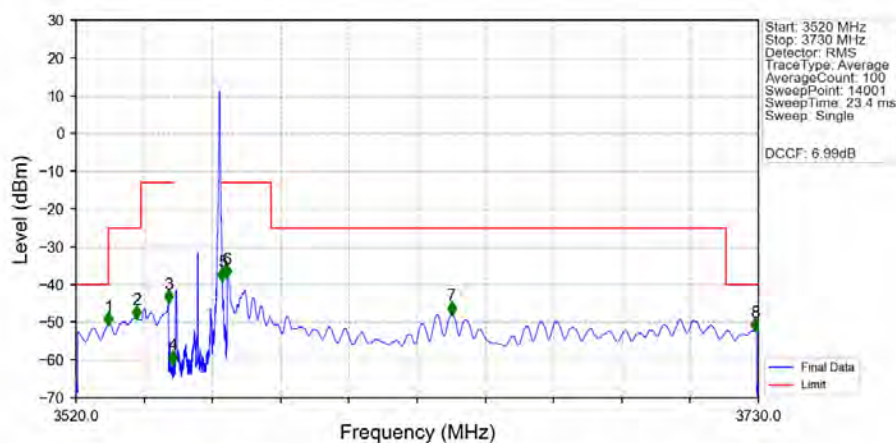


n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Edge\_1RB\_Left\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3530	1	/	1	3479.500	-44.24	-40	Pass
3530	3540	1	/	2	3540.000	-44.75	-25	Pass
3540	3549.02	1	/	3	3543.000	-41.62	-13	Pass
3549.02	3570.02	1	/	/	/	/	/	/
3570.02	3580.02	1	/	4	3572.000	-47.07	-13	Pass
3580.02	3720	1	/	5	3622.000	-46.81	-25	Pass
3720	37000	1	/	6	3847.500	-44.26	-40	Pass

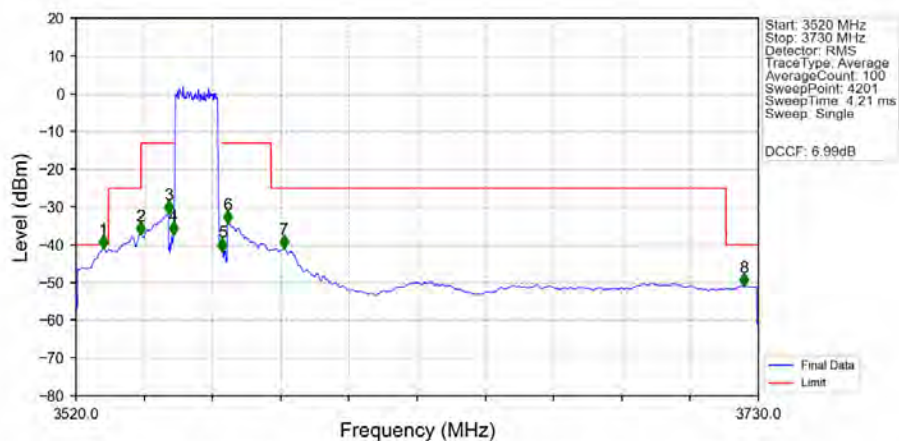
n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.990	-50.68	-40	Pass
3530	3540	1	CHP	2	3538.660	-48.84	-25	Pass
3540	3549.02	1	CHP	3	3548.515	-44.68	-13	Pass
3549.02	3550.02	0.03	/	4	3549.880	-60.81	-13	Pass
3550.02	3565.02	0.03	/	/	/	/	/	/
3565.02	3566.02	0.03	/	5	3565.030	-38.82	-13	Pass
3566.02	3580.02	1	CHP	6	3566.530	-38.09	-13	Pass
3580.02	3720	1	CHP	7	3635.575	-47.82	-25	Pass
3720	3730	1	CHP	8	3728.950	-52.10	-40	Pass



## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Outer\_Full\_Ant1



## n48\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3557.52MHz\_Inner\_1RB\_Left\_Ant1

