

LTE B48

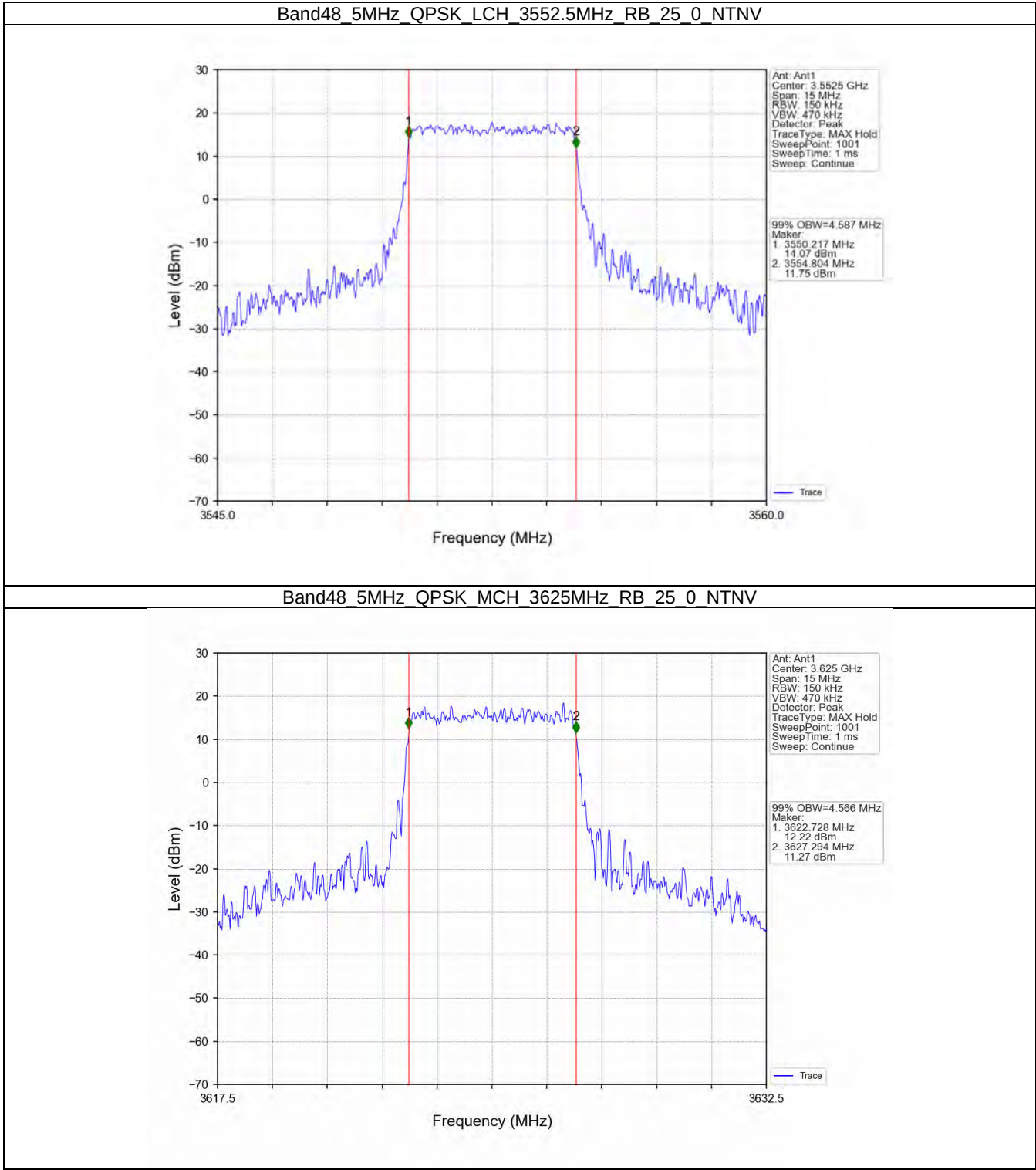
1. 99% & 26dB Bandwidth

1.1 Band48_OBW

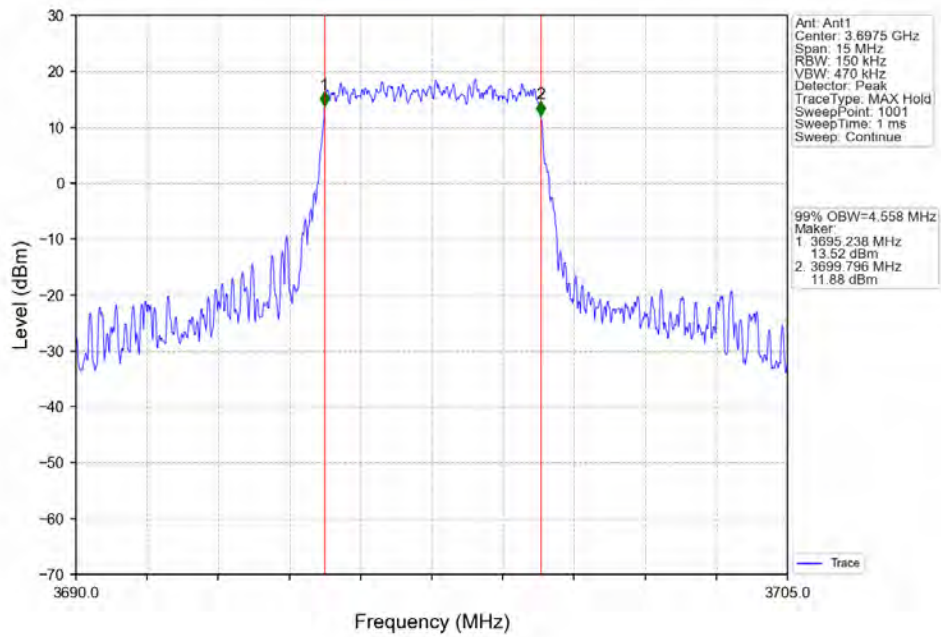
1.1.1 Test Result

Band: 48 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3552.5	25	0	4.587	Pass
		3625	25	0	4.566	Pass
		3697.5	25	0	4.558	Pass
	16QAM	3552.5	25	0	4.584	Pass
		3625	25	0	4.571	Pass
		3697.5	25	0	4.555	Pass
10	QPSK	3555	50	0	9.116	Pass
		3625	50	0	9.101	Pass
		3695	50	0	9.090	Pass
	16QAM	3555	50	0	9.066	Pass
		3625	50	0	9.099	Pass
		3695	50	0	9.072	Pass
15	QPSK	3557.5	75	0	13.627	Pass
		3625	75	0	13.617	Pass
		3692.5	75	0	13.677	Pass
	16QAM	3557.5	75	0	13.645	Pass
		3625	75	0	13.584	Pass
		3692.5	75	0	13.623	Pass
20	QPSK	3560	100	0	18.125	Pass
		3625	100	0	18.118	Pass
		3690	100	0	18.100	Pass
	16QAM	3560	100	0	18.119	Pass
		3625	100	0	18.044	Pass
		3690	100	0	18.077	Pass

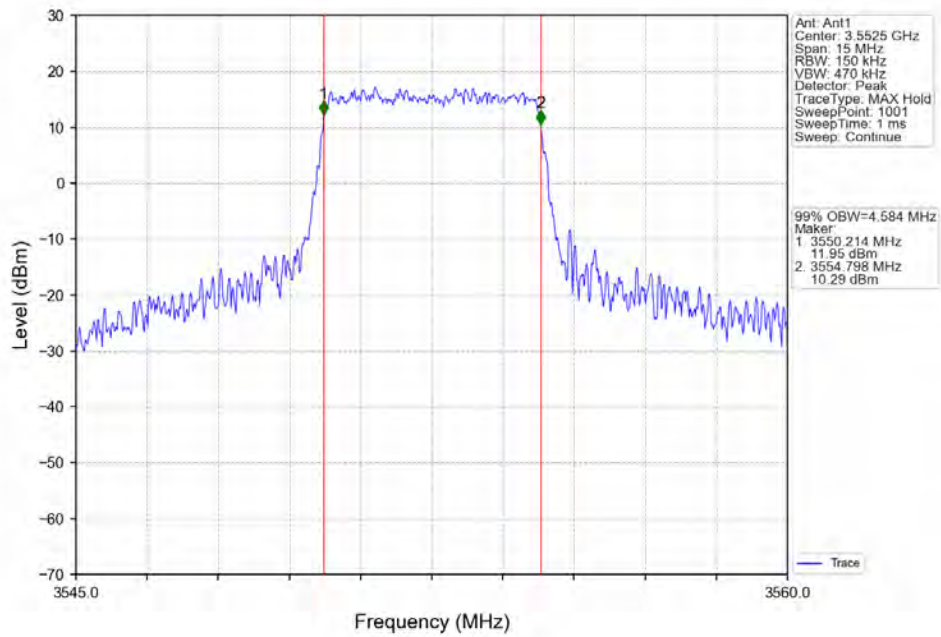
1.1.2 Test Graph



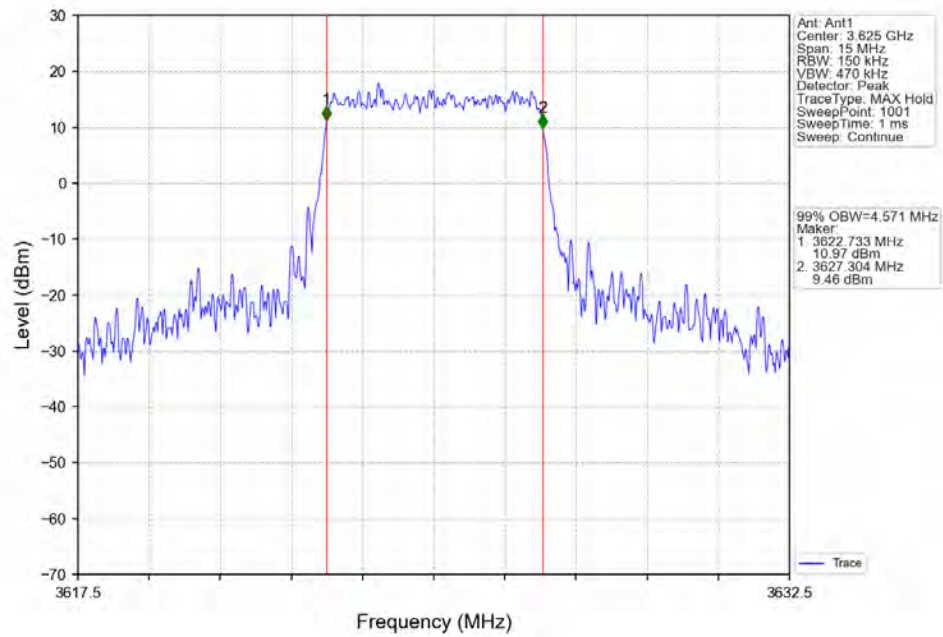
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTNV



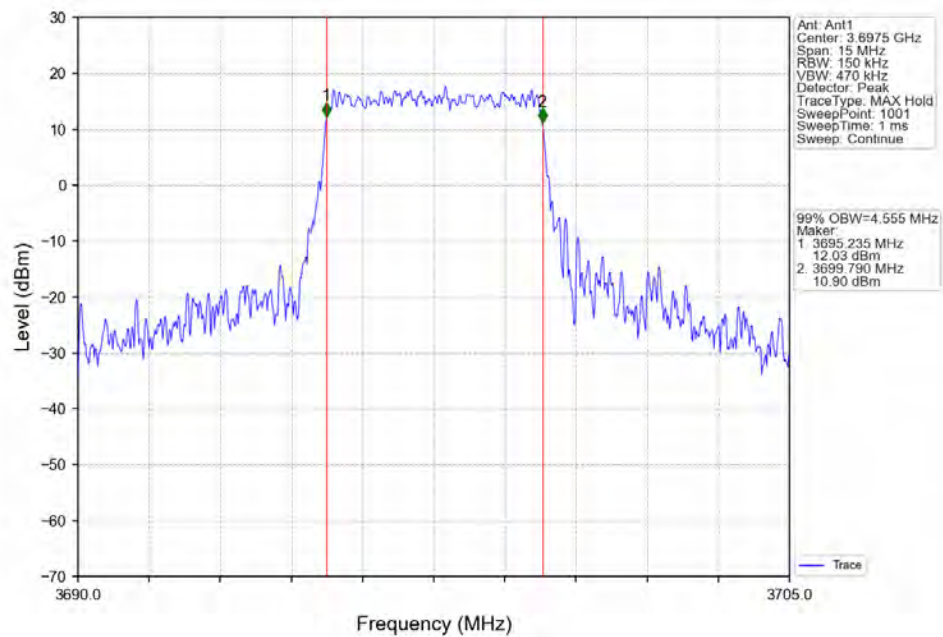
Band48 5MHz 16QAM LCH 3552.5MHz RB 25 0 NTNV



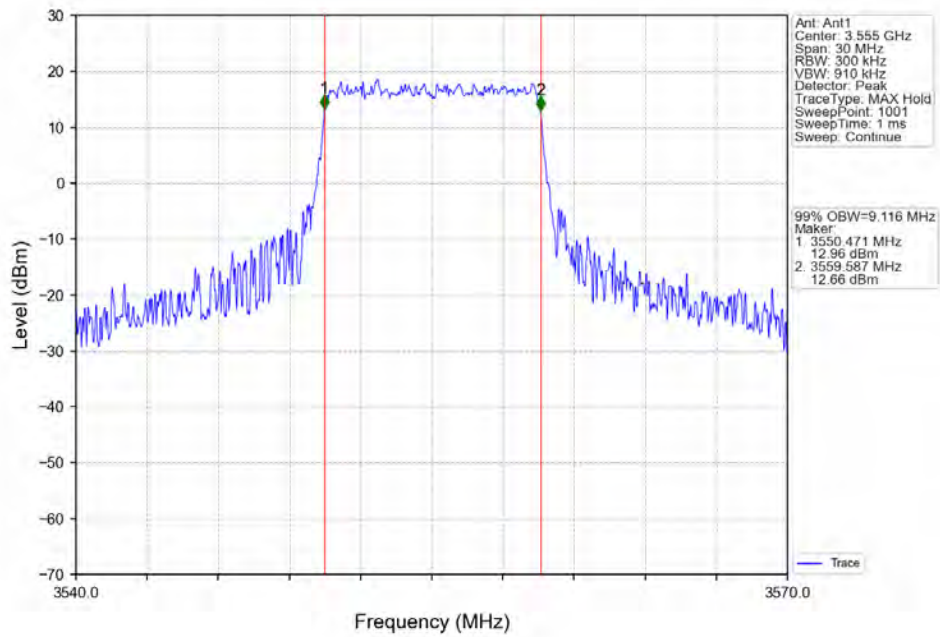
Band48 5MHz 16QAM MCH 3625MHz RB 25 0 NTNV



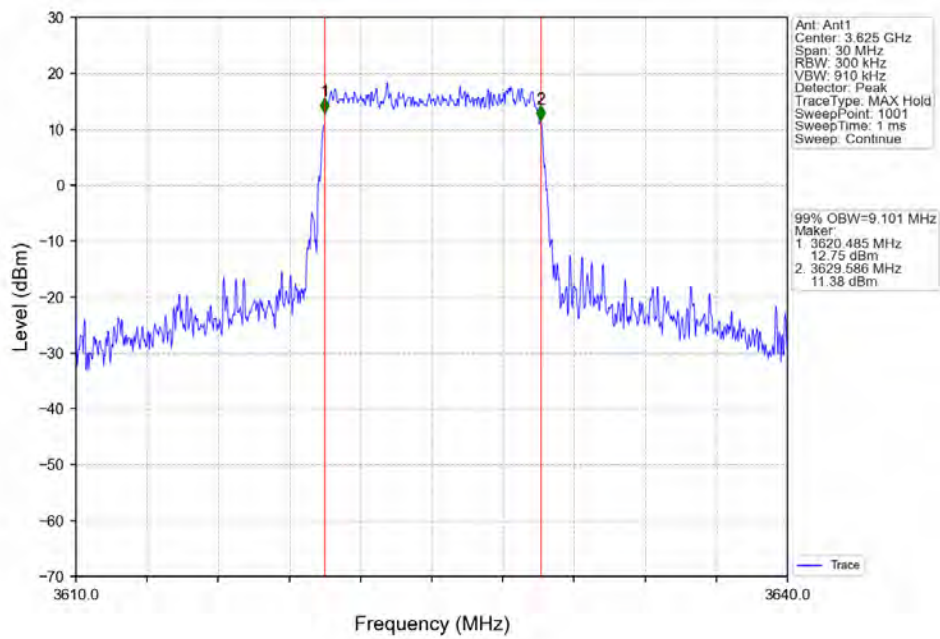
Band48 5MHz 16QAM HCH 3697.5MHz RB 25 0 NTNV



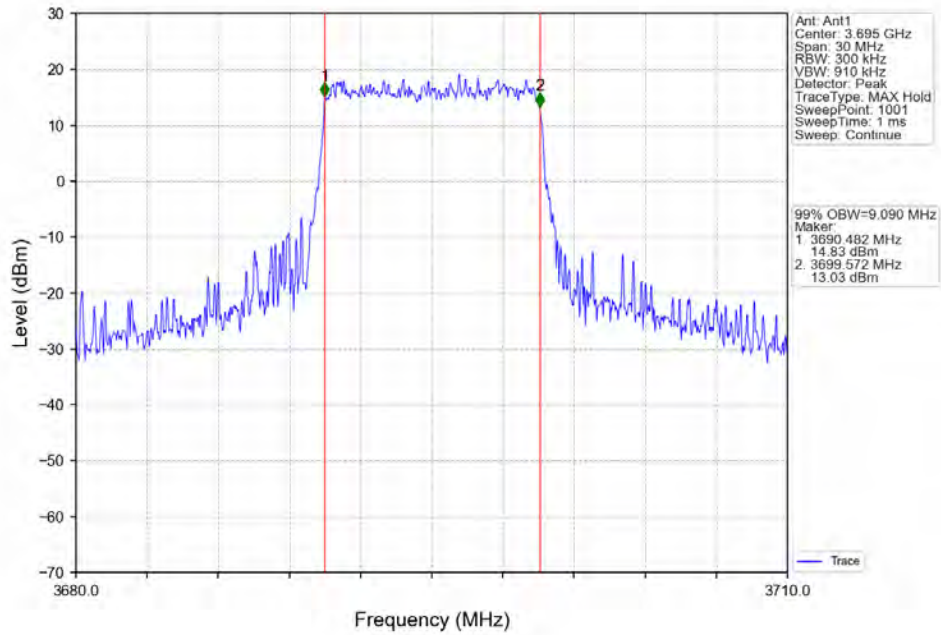
Band48 10MHz QPSK LCH 3555MHz RB 50 0 NTNV



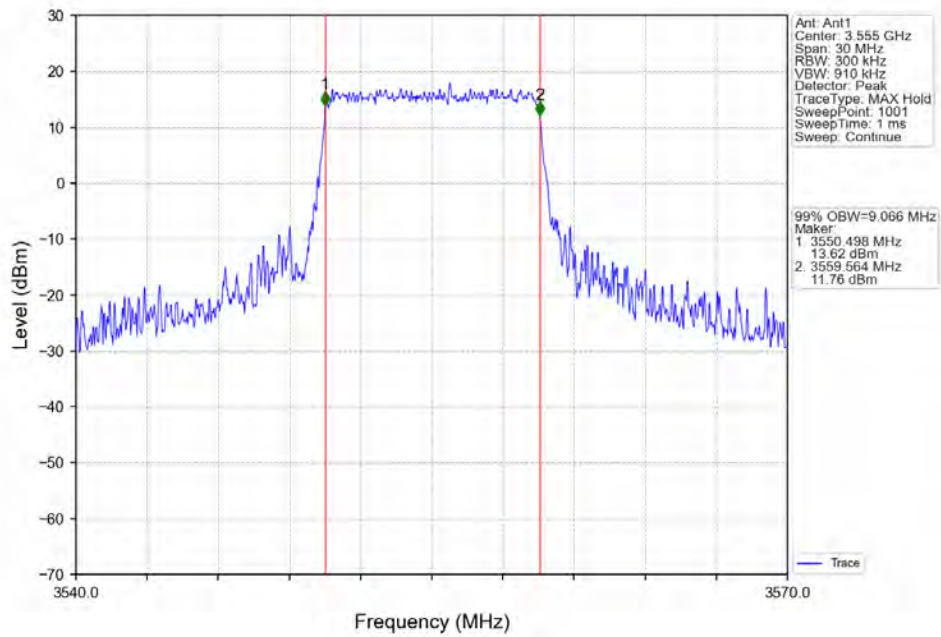
Band48 10MHz QPSK MCH 3625MHz RB 50 0 NTNV



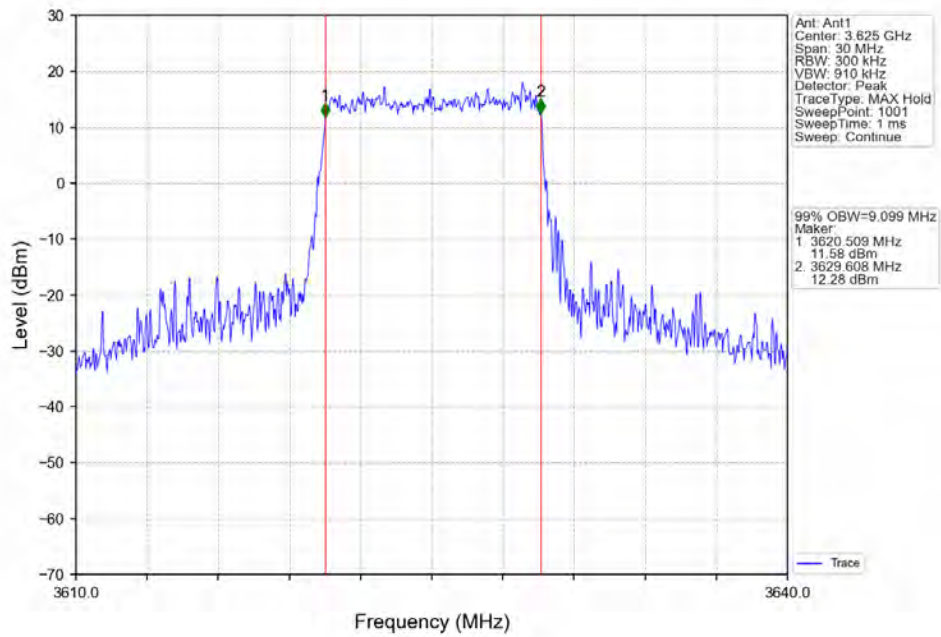
Band48 10MHz QPSK HCH 3695MHz RB 50 0 NTNV



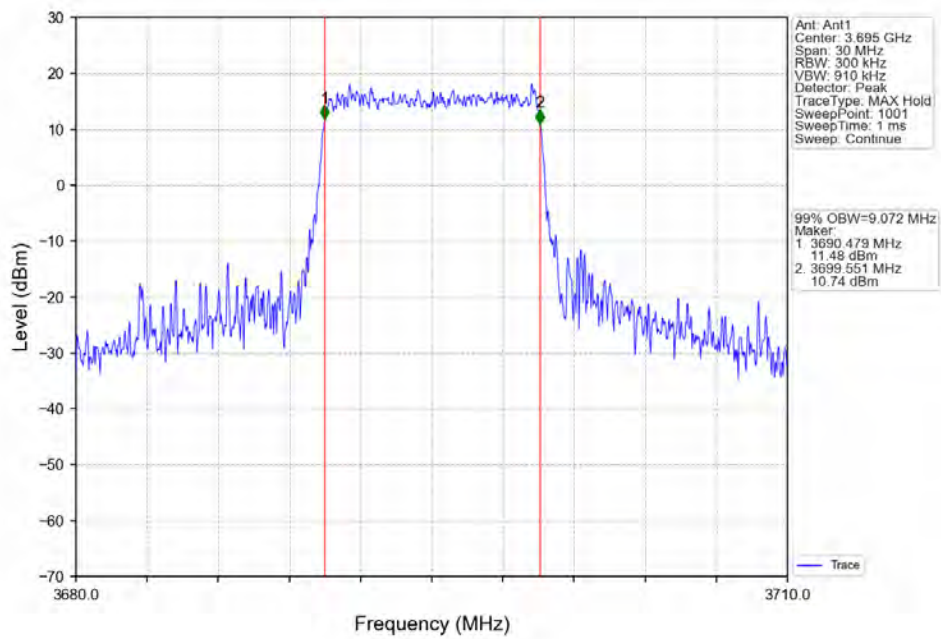
Band48 10MHz 16QAM LCH 3555MHz RB 50 0 NTNV



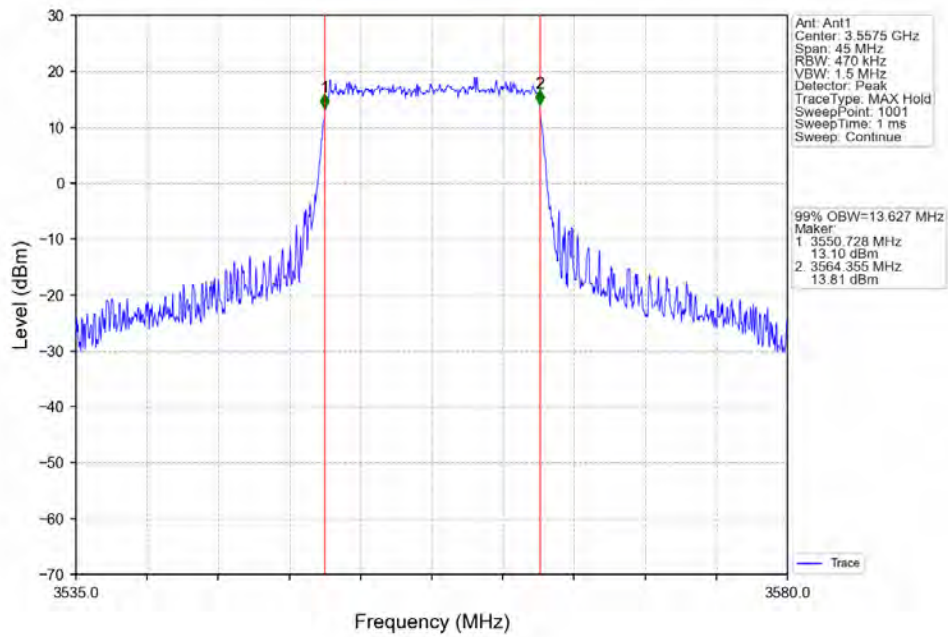
Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTNV



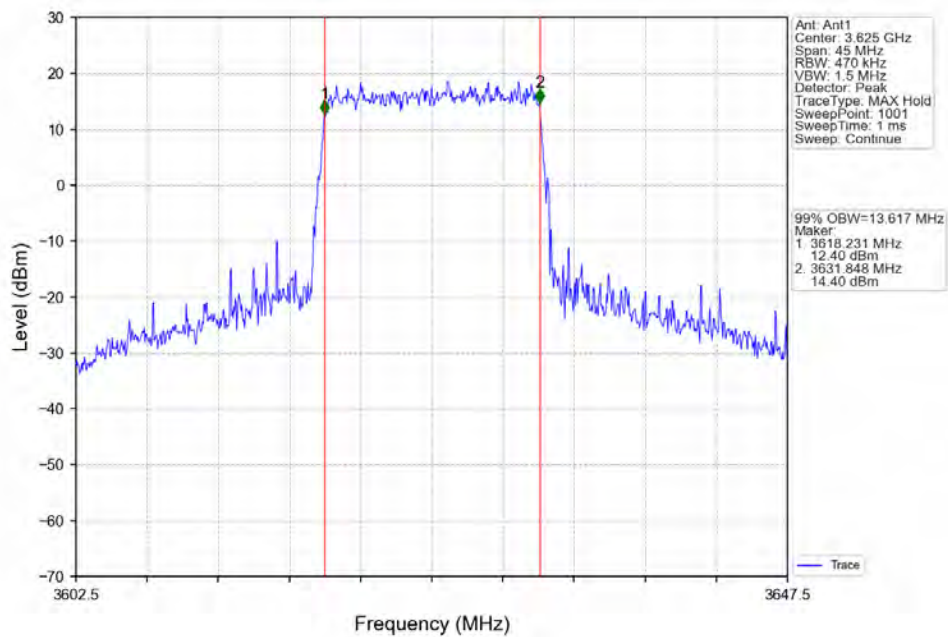
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV



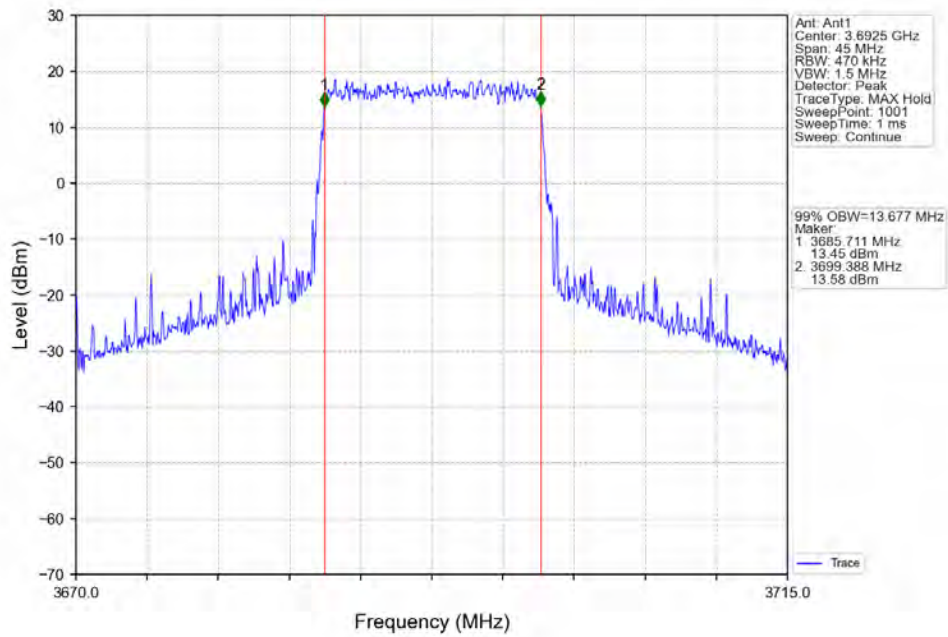
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV



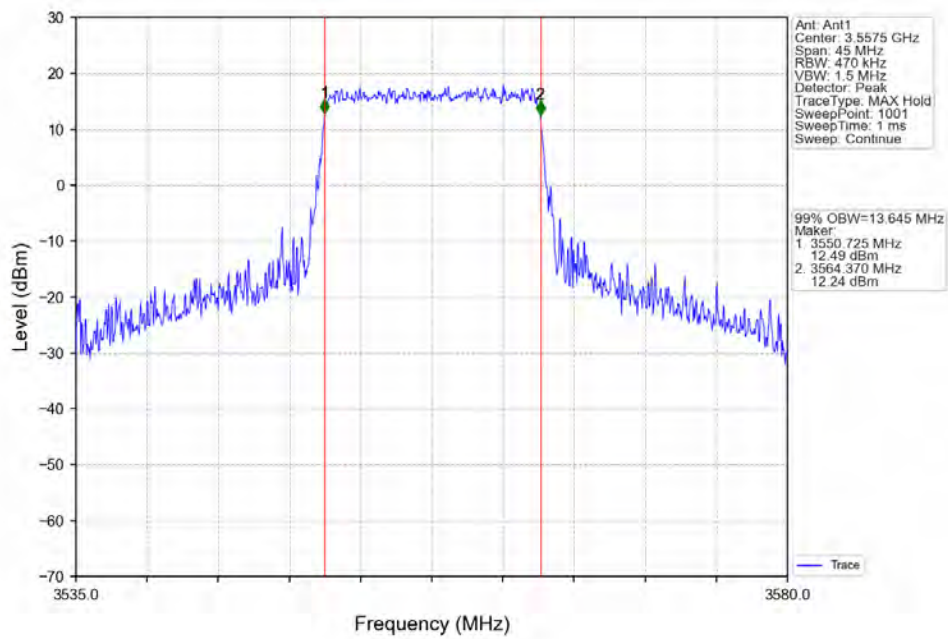
Band48 15MHz QPSK MCH 3625MHz RB 75 0 NTNV



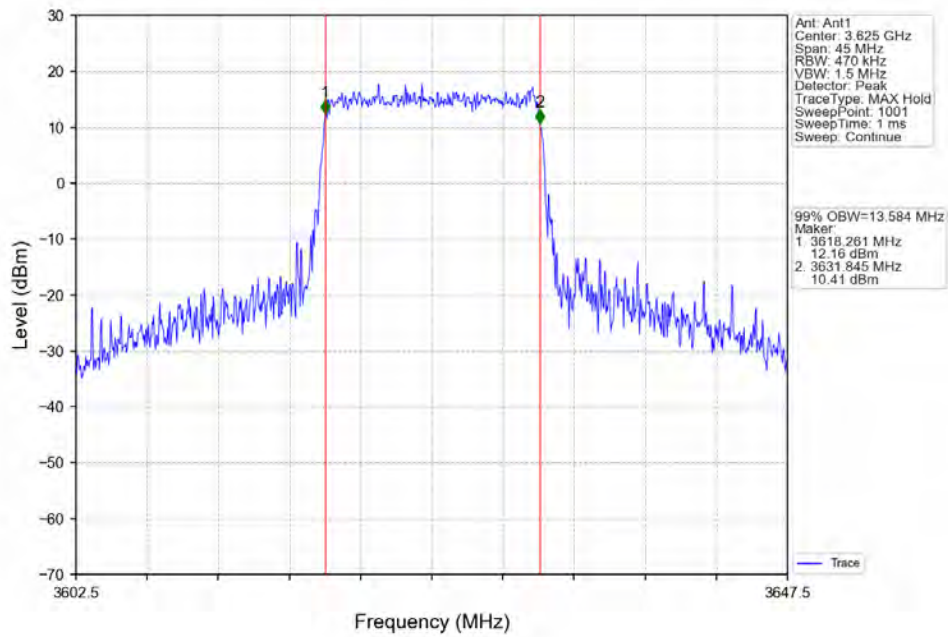
Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTN



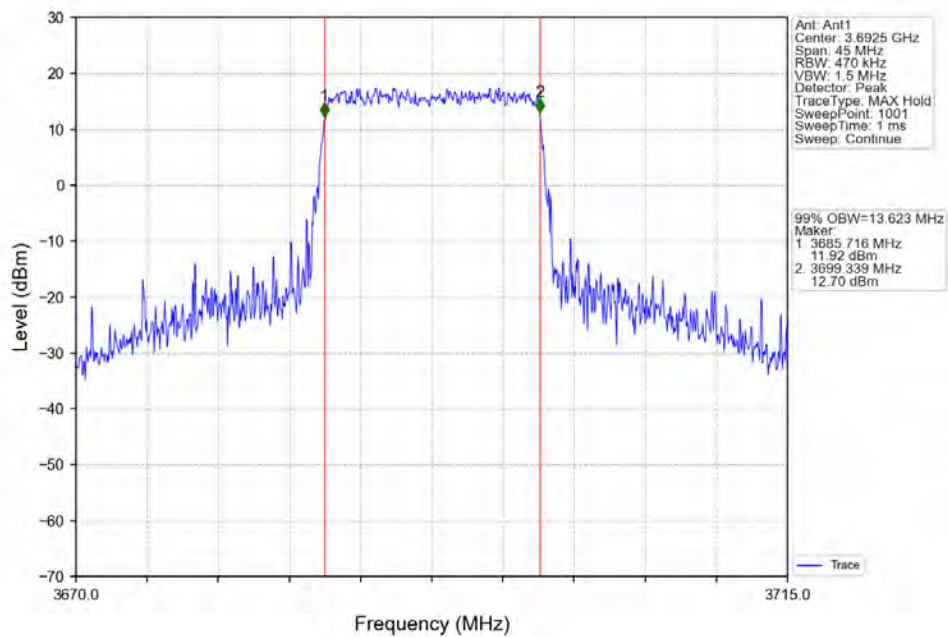
Band48 15MHz 16QAM LCH 3557.5MHz RB 75 0 NTN



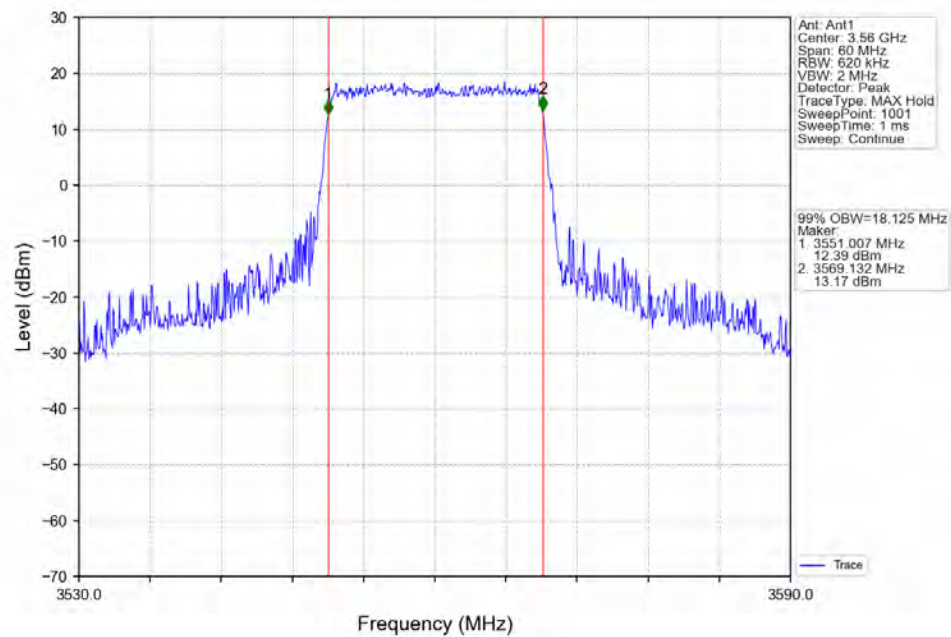
Band48 15MHz 16QAM MCH 3625MHz RB 75 0 NTNV



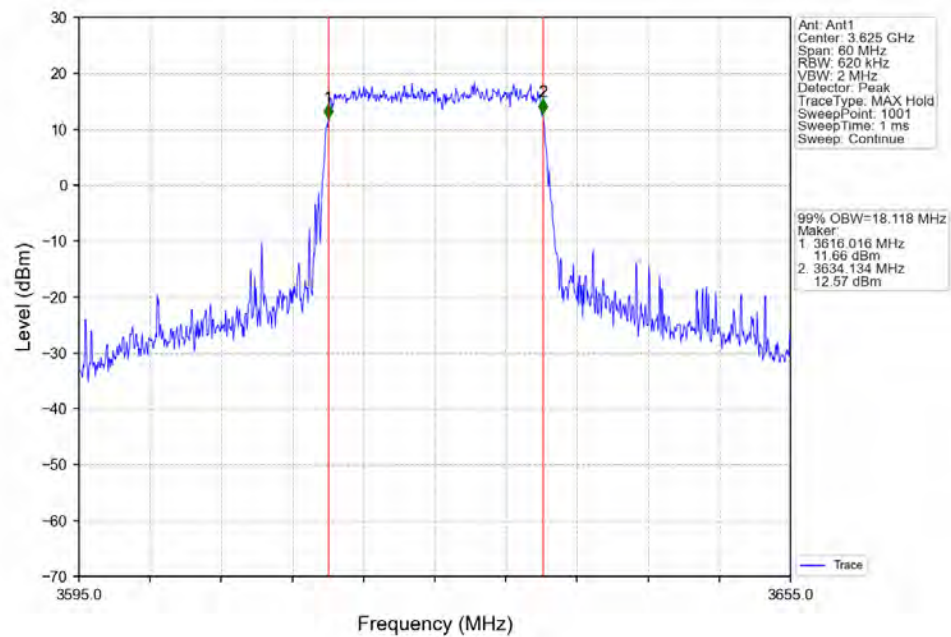
Band48 15MHz 16QAM HCH 3692.5MHz RB 75 0 NTNV



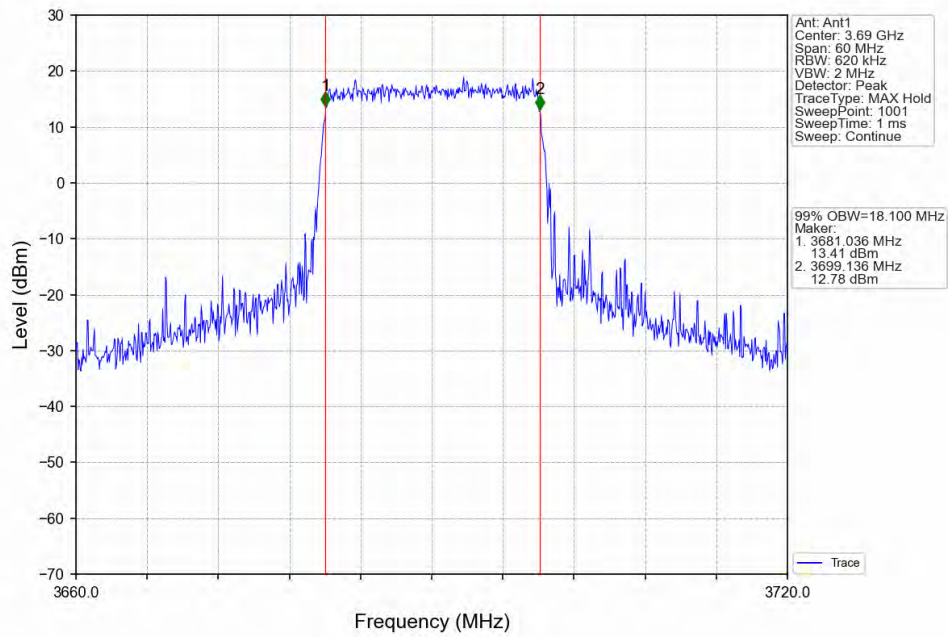
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



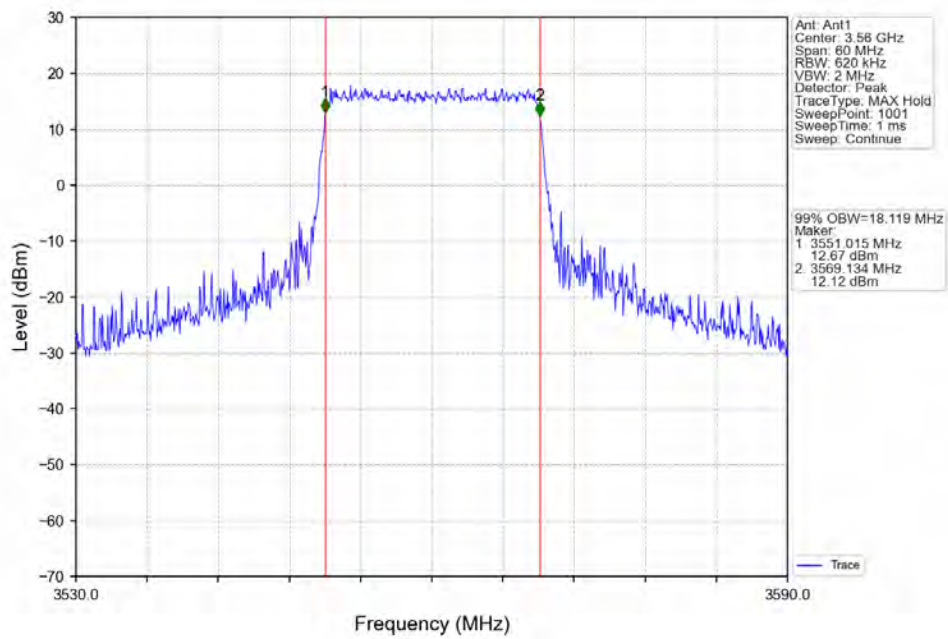
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTNV



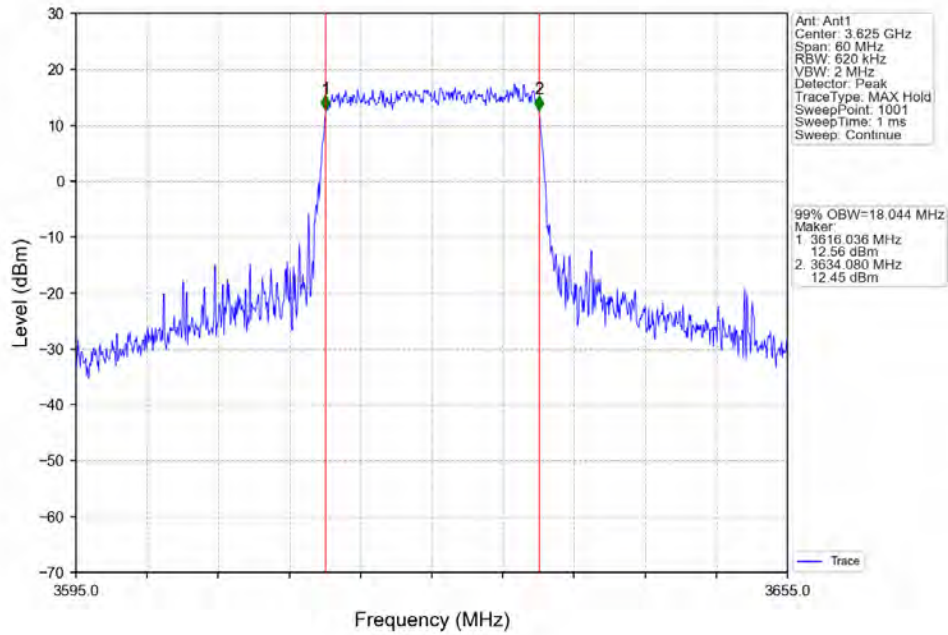
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTNV



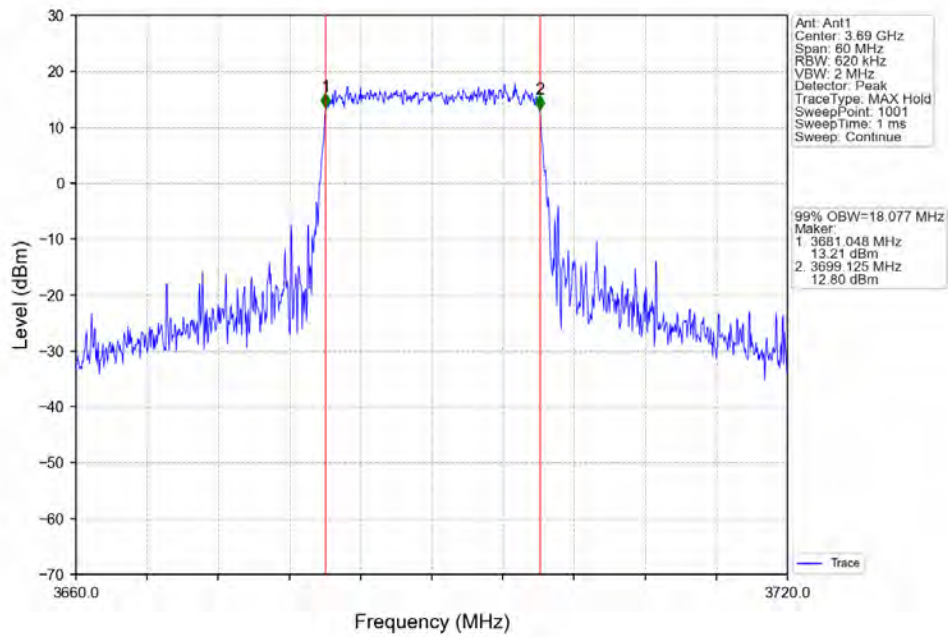
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTNV



Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTNV



Band48 20MHz 16QAM HCH 3690MHz RB 100 0 NTNV

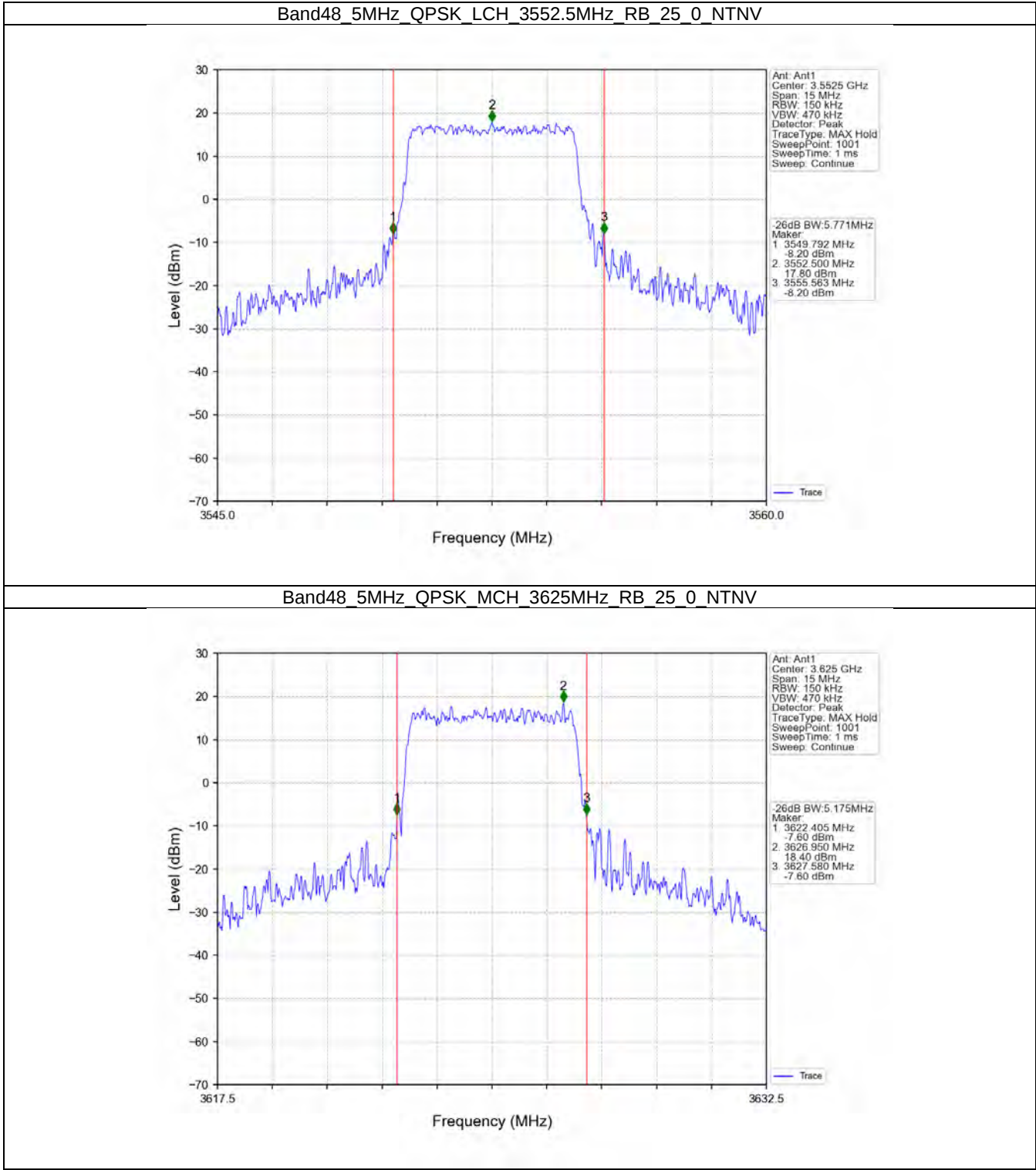


1.2 Band48_XDB

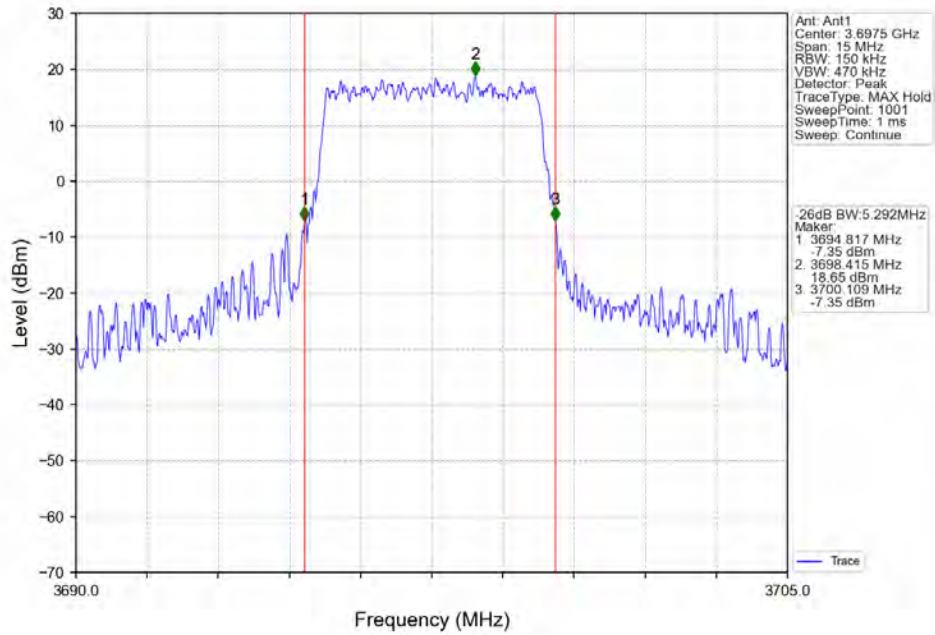
1.2.1 Test Result

Band: 48 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3552.5	25	0	5.771	Pass
		3625	25	0	5.175	Pass
		3697.5	25	0	5.292	Pass
	16QAM	3552.5	25	0	5.513	Pass
		3625	25	0	5.258	Pass
		3697.5	25	0	5.455	Pass
10	QPSK	3555	50	0	11.091	Pass
		3625	50	0	10.038	Pass
		3695	50	0	10.634	Pass
	16QAM	3555	50	0	11.844	Pass
		3625	50	0	10.201	Pass
		3695	50	0	9.962	Pass
15	QPSK	3557.5	75	0	16.163	Pass
		3625	75	0	14.933	Pass
		3692.5	75	0	15.486	Pass
	16QAM	3557.5	75	0	17.636	Pass
		3625	75	0	15.143	Pass
		3692.5	75	0	15.538	Pass
20	QPSK	3560	100	0	22.219	Pass
		3625	100	0	20.164	Pass
		3690	100	0	20.262	Pass
	16QAM	3560	100	0	22.140	Pass
		3625	100	0	20.389	Pass
		3690	100	0	22.558	Pass

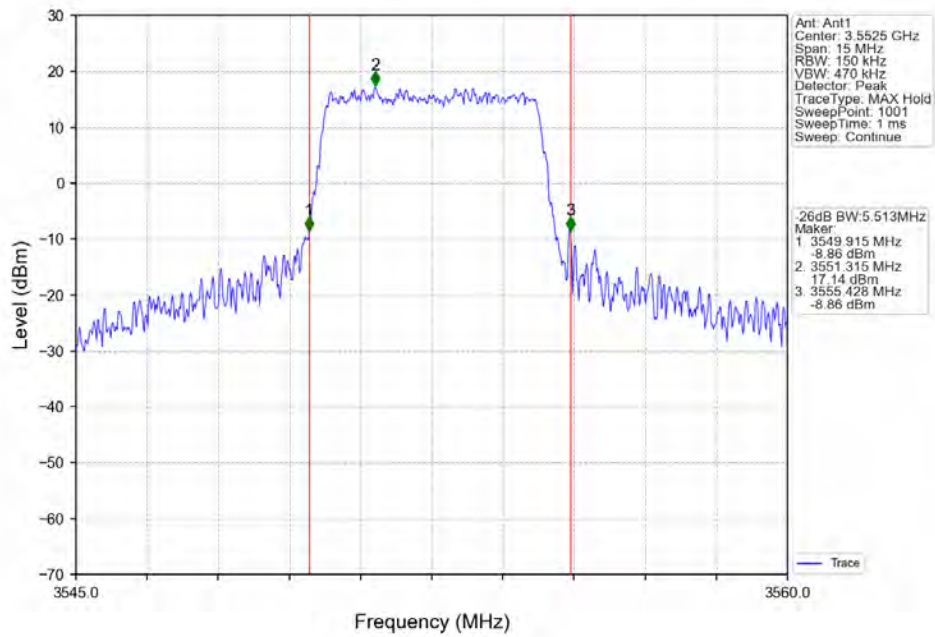
1.2.2 Test Graph



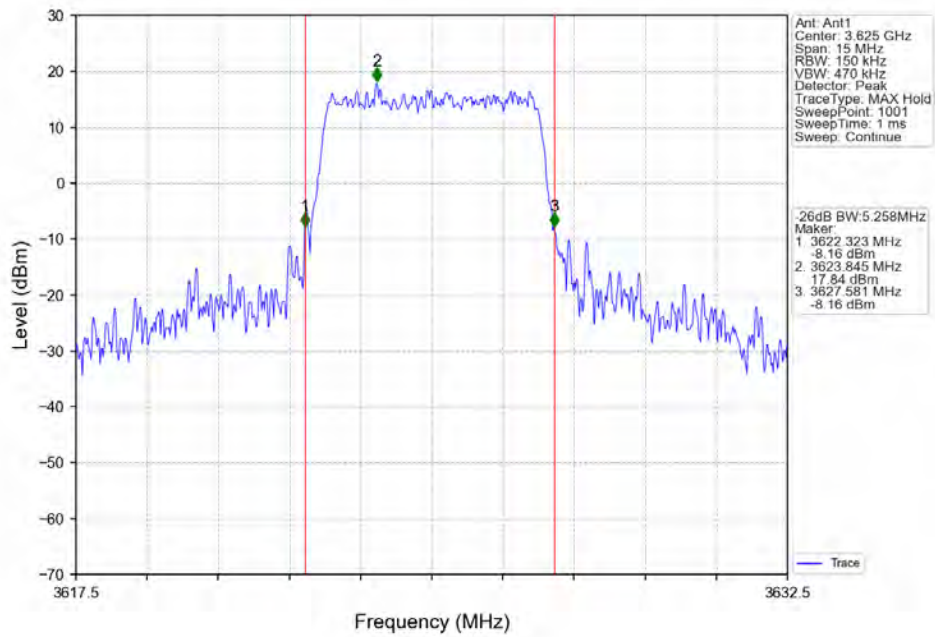
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTNV



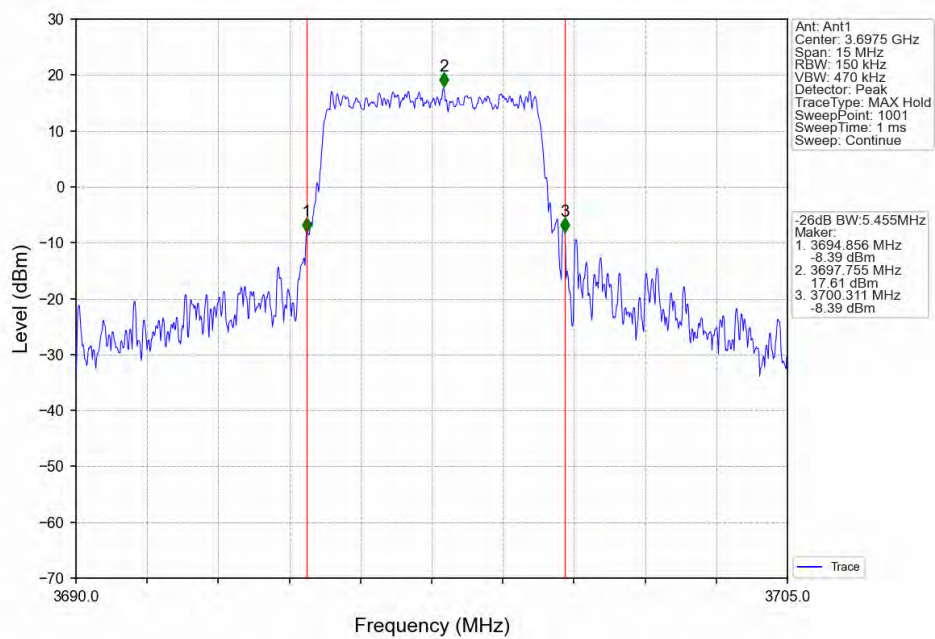
Band48 5MHz 16QAM LCH 3552.5MHz RB 25 0 NTNV



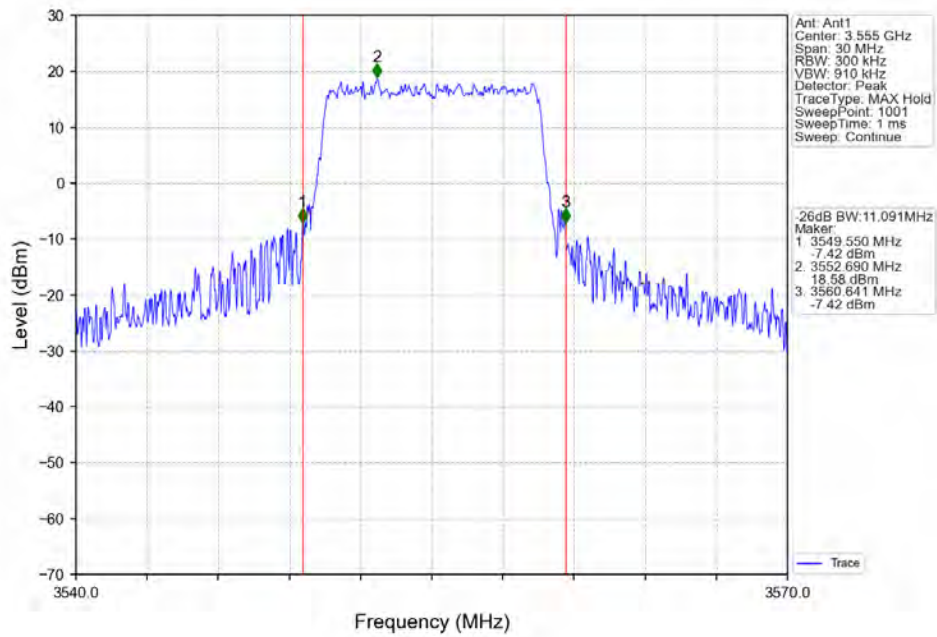
Band48 5MHz 16QAM MCH 3625MHz RB 25 0 NTNV



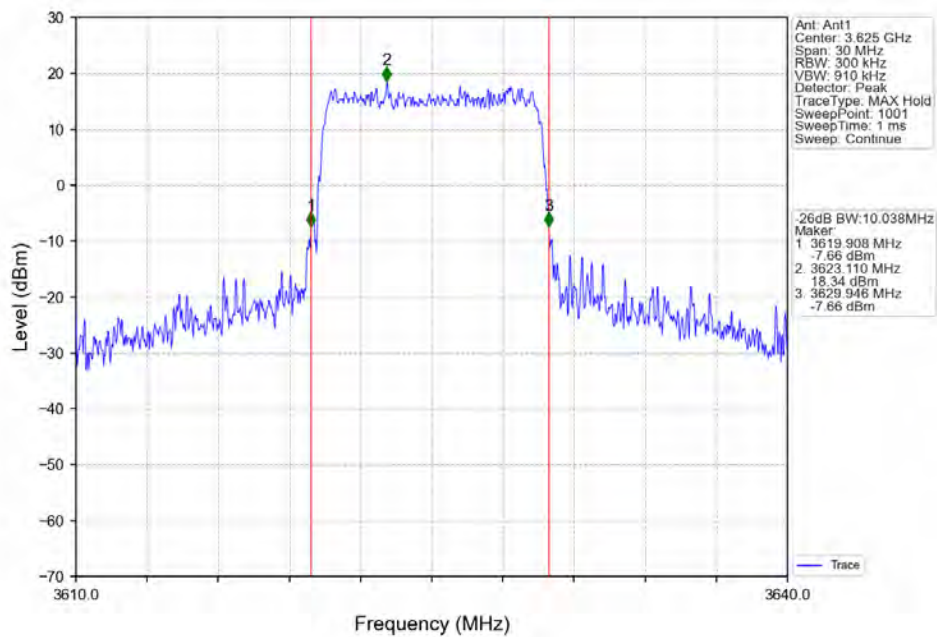
Band48 5MHz 16QAM HCH 3697.5MHz RB 25 0 NTNV



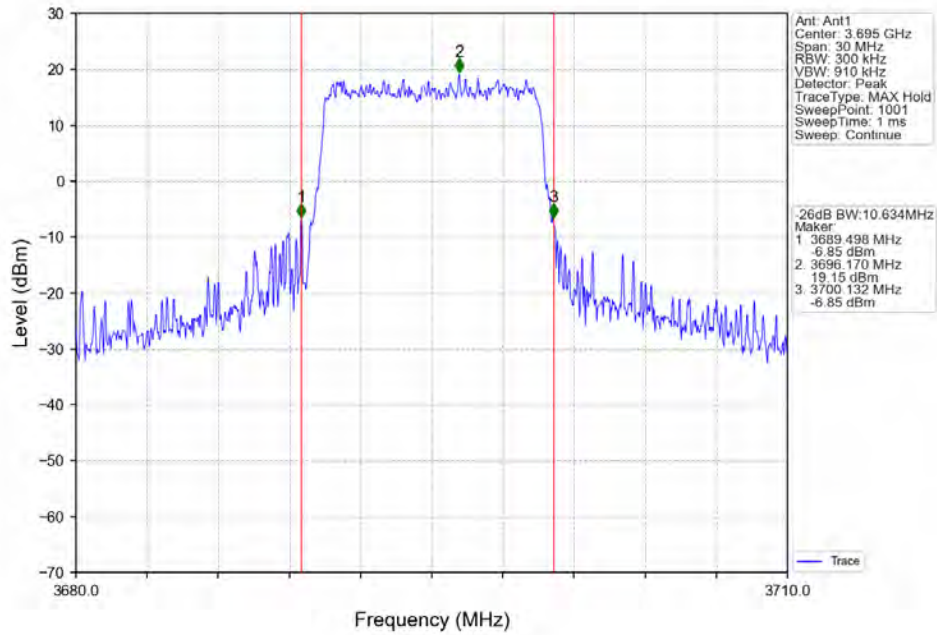
Band48 10MHz QPSK LCH 3555MHz RB 50 0 NTNV



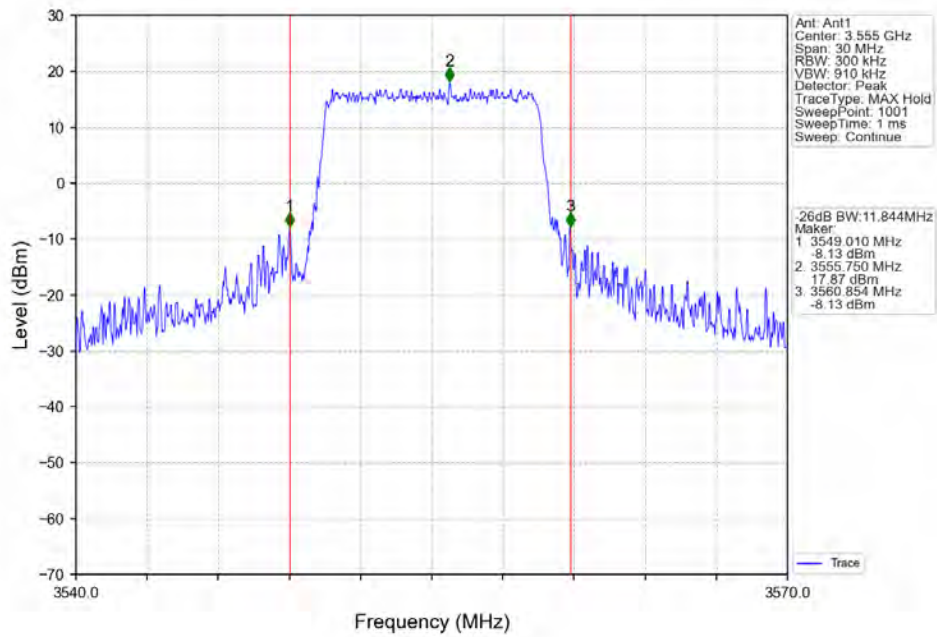
Band48 10MHz QPSK MCH 3625MHz RB 50 0 NTNV



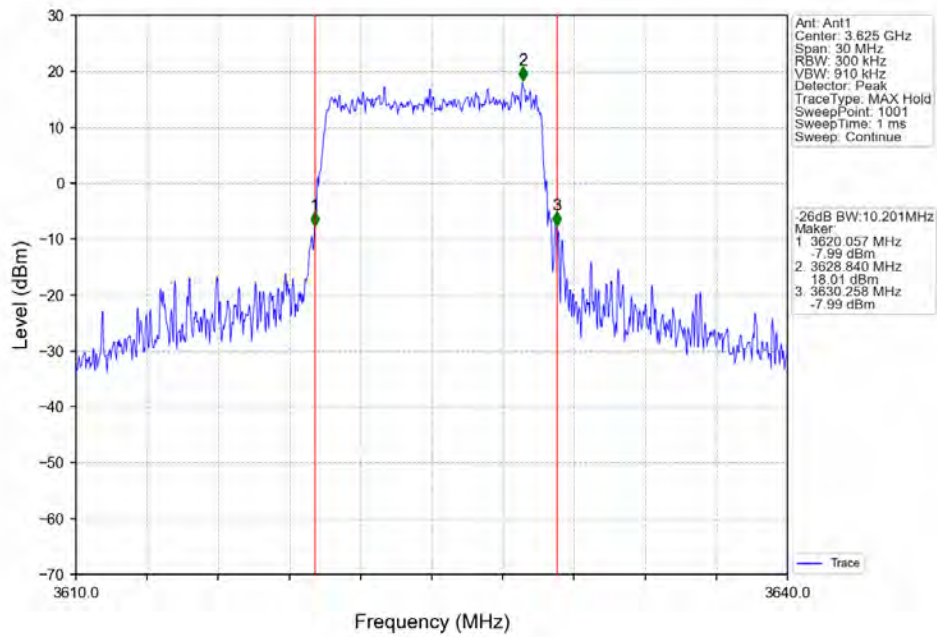
Band48 10MHz QPSK HCH 3695MHz RB 50 0 NTV



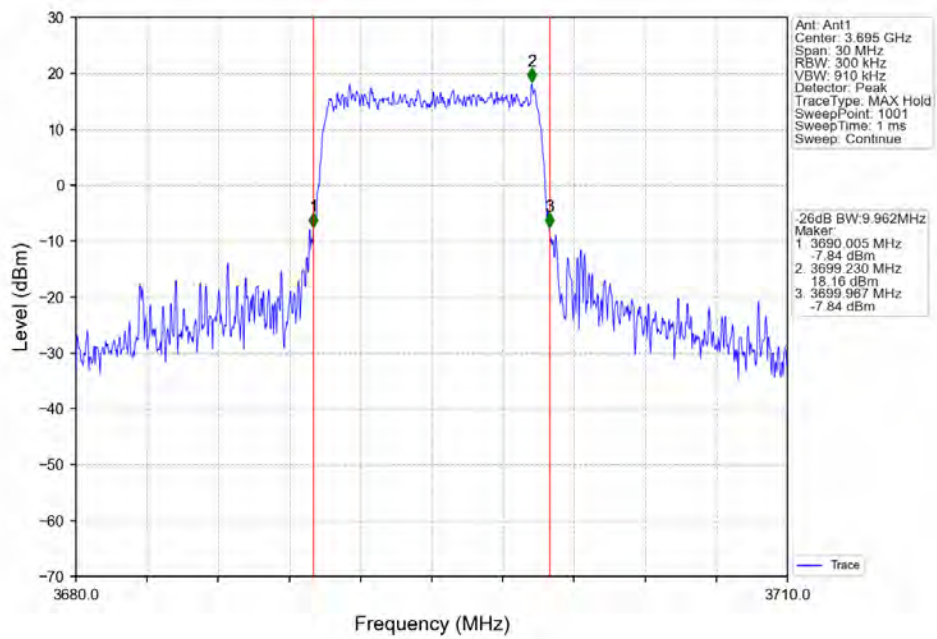
Band48 10MHz 16QAM LCH 3555MHz RB 50 0 NTV



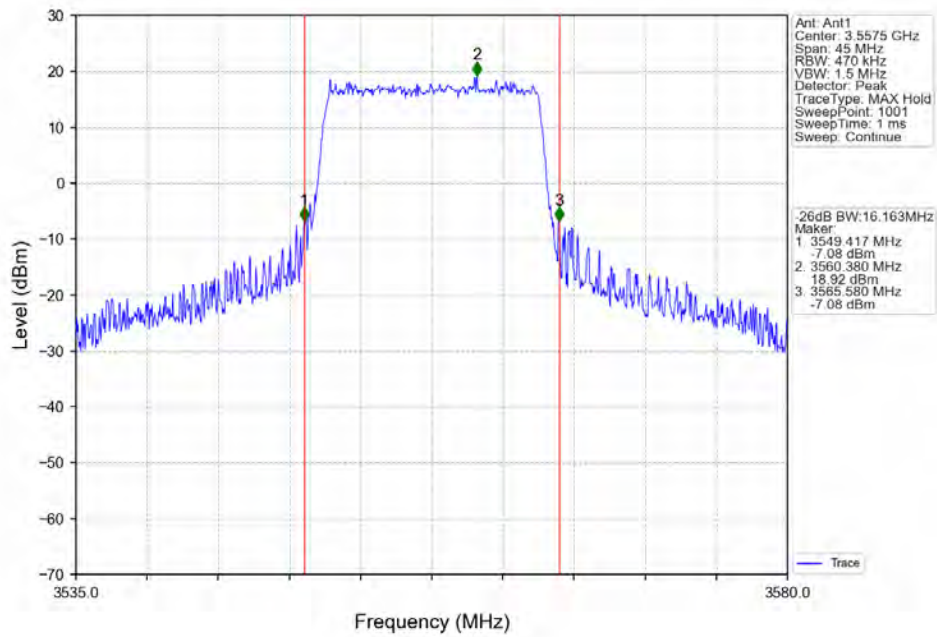
Band48 10MHz 16QAM MCH 3625MHz RB 50 0 NTNV



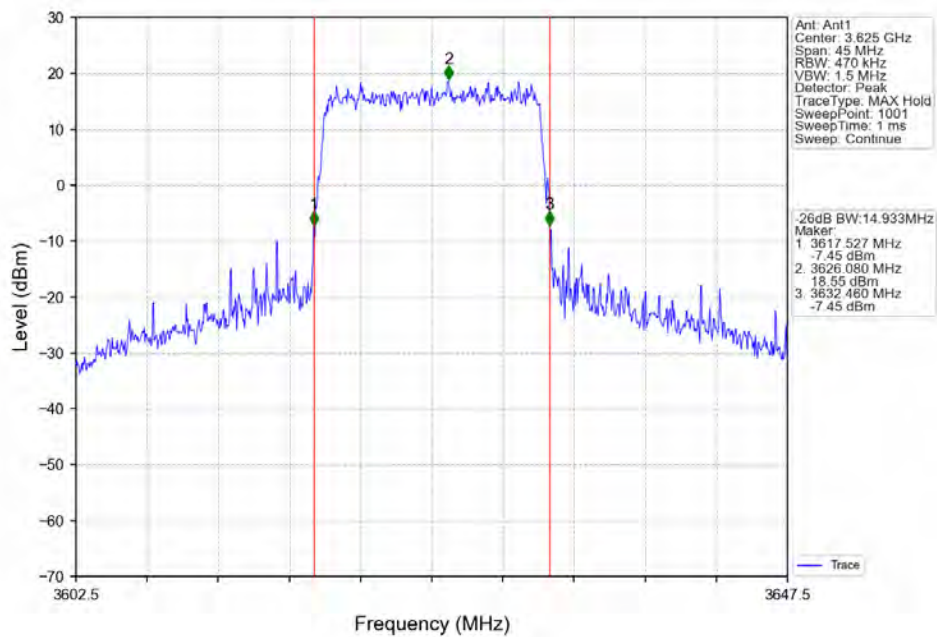
Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV



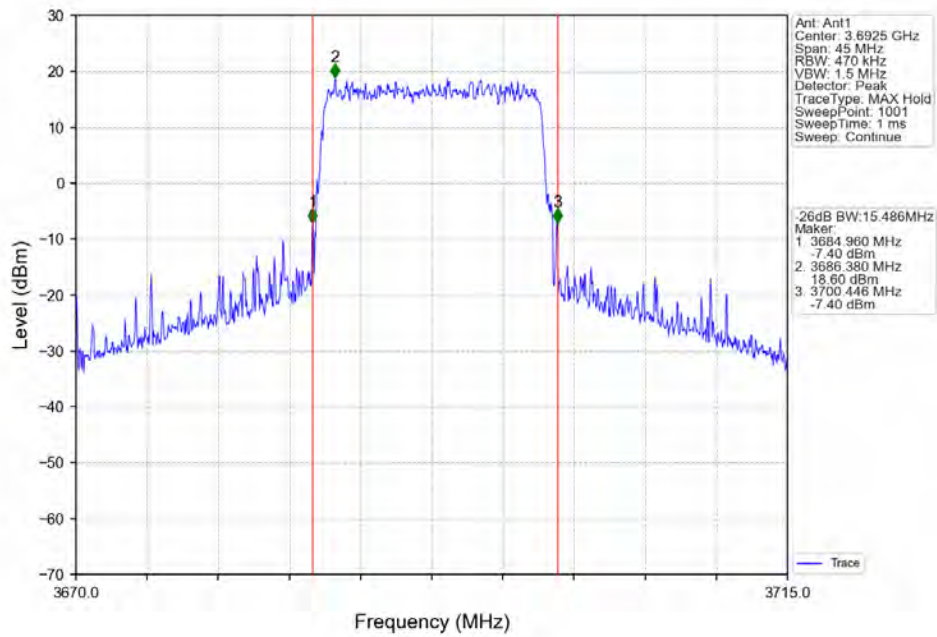
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV



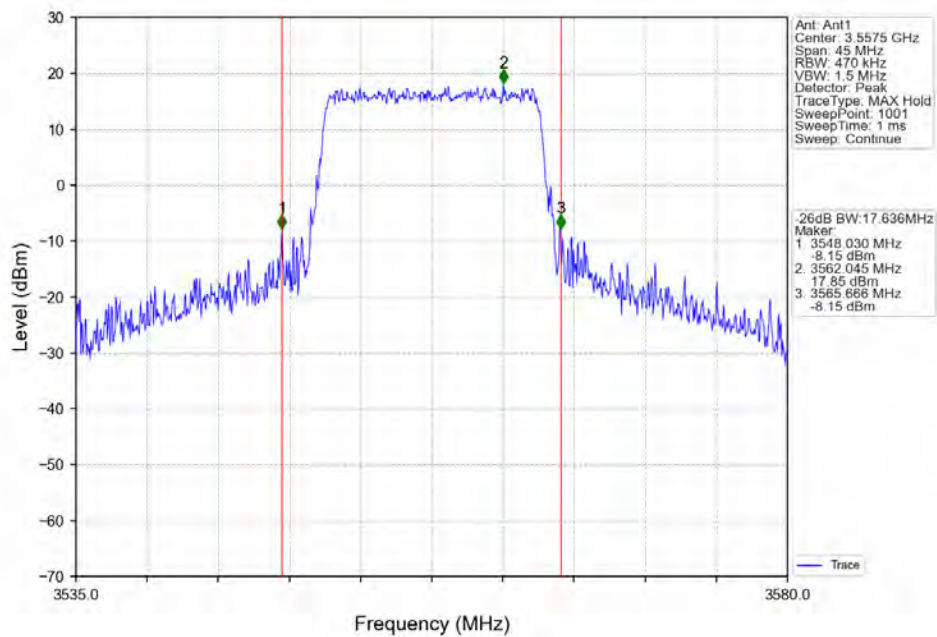
Band48 15MHz QPSK MCH 3625MHz RB 75 0 NTNV



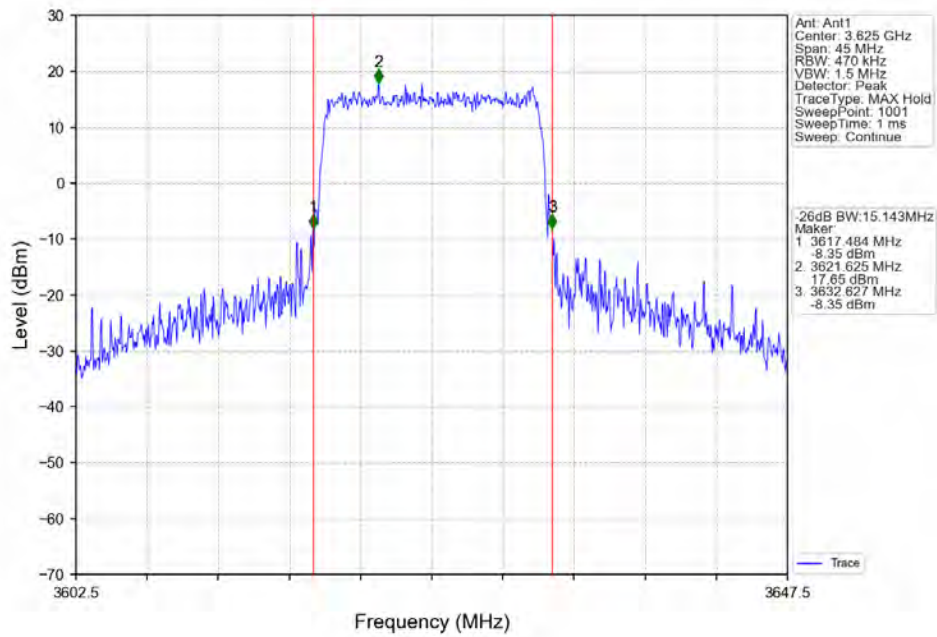
Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTN



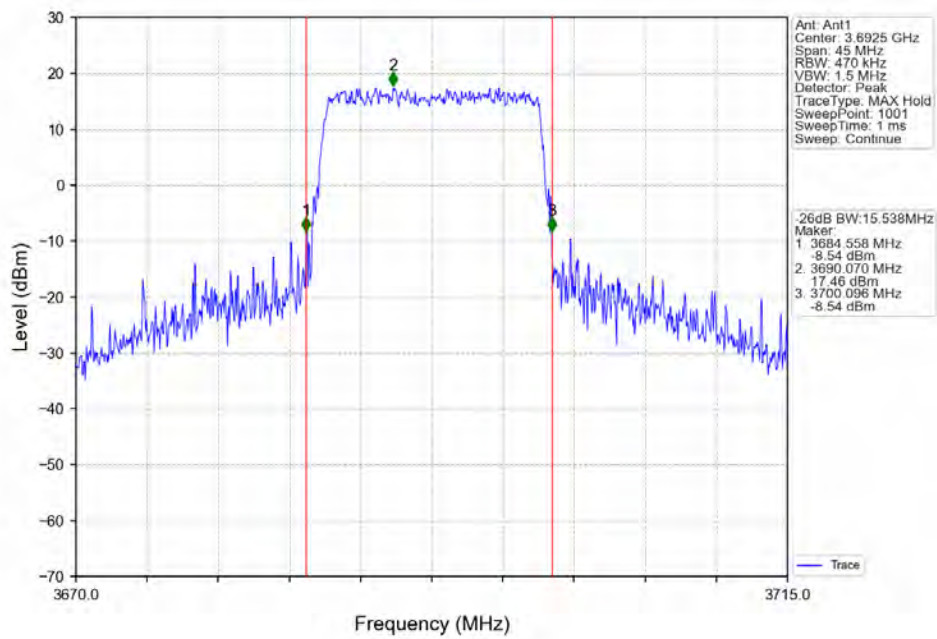
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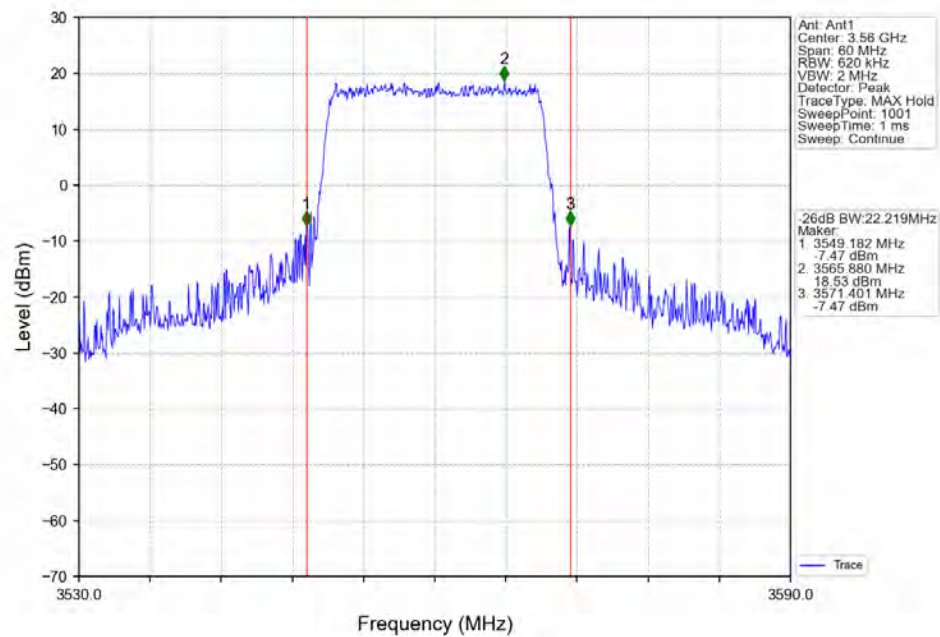
Band48 15MHz 16QAM MCH 3625MHz RB 75 0 NTNV



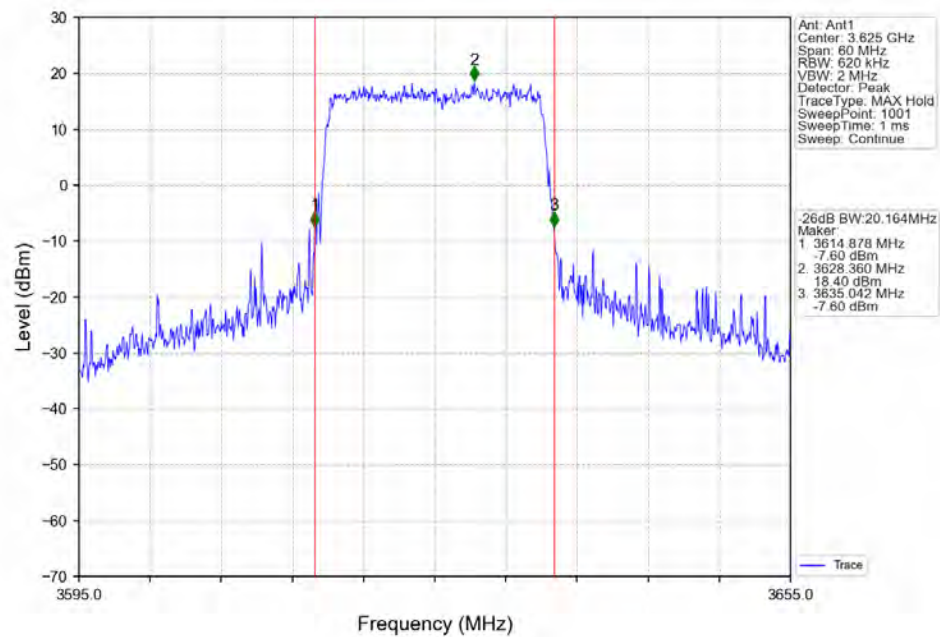
Band48 15MHz 16QAM HCH 3692.5MHz RB 75 0 NTNV



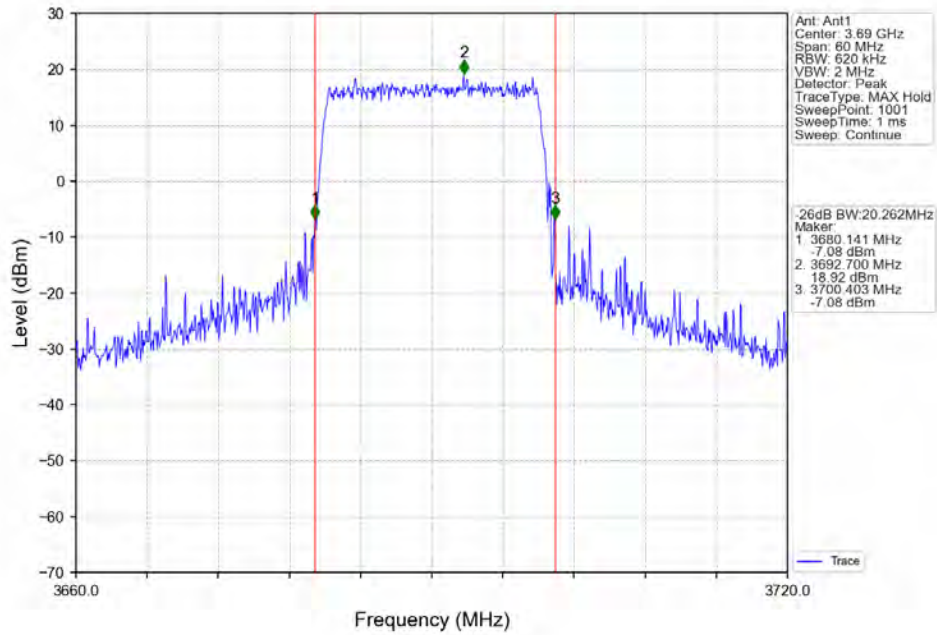
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



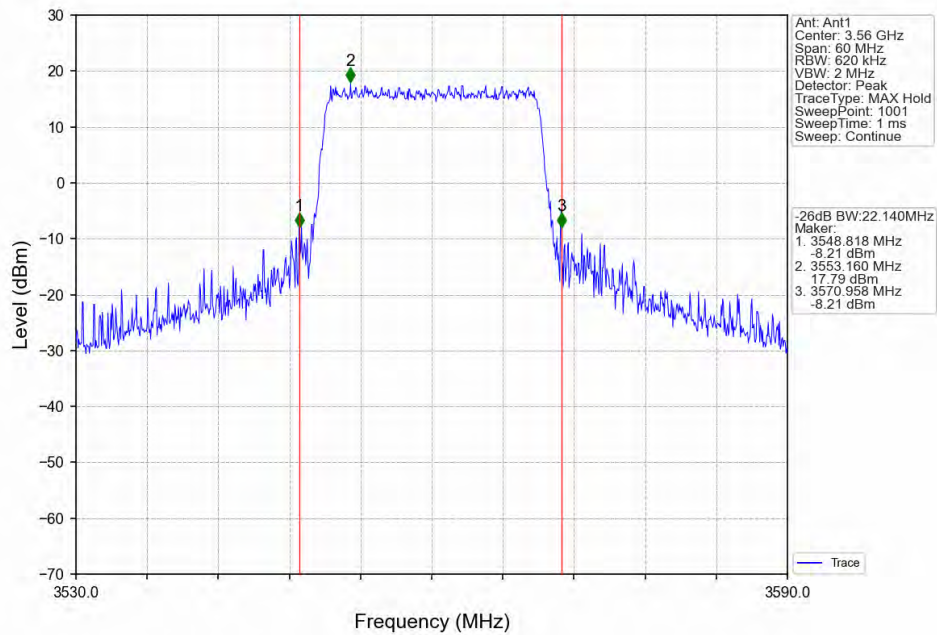
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTNV



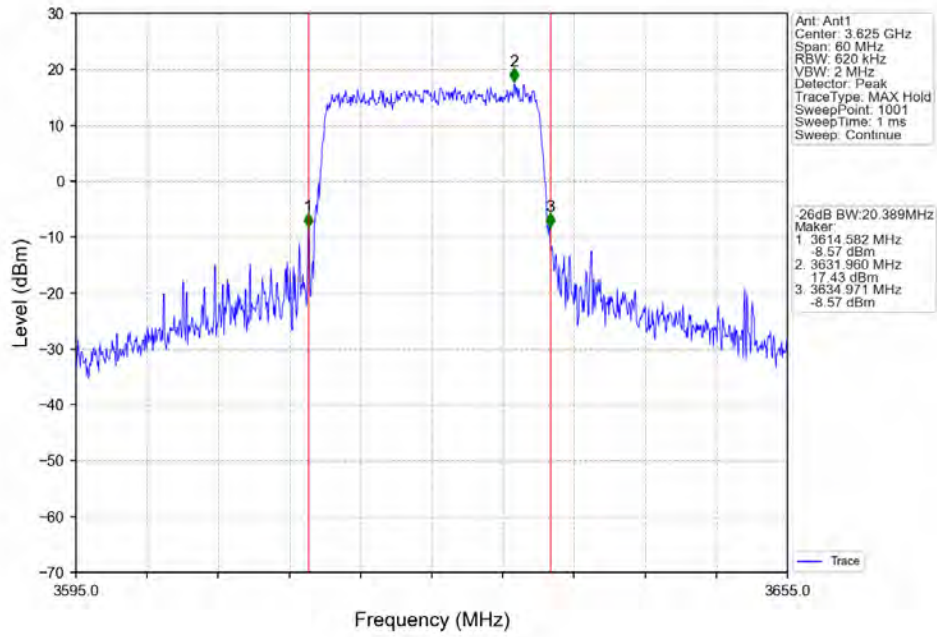
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTNV



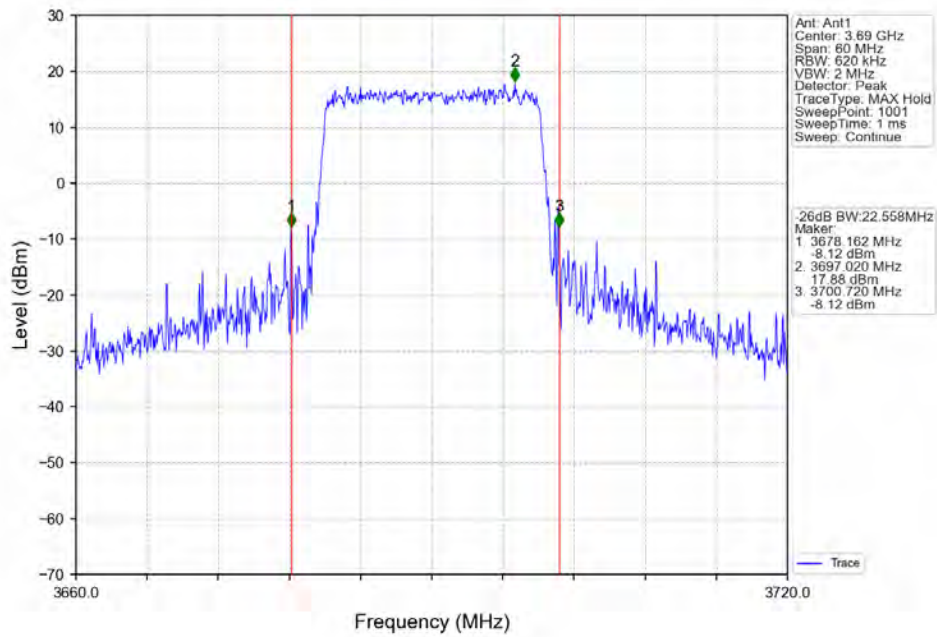
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTNV



Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTNV



Band48 20MHz 16QAM HCH 3690MHz RB 100 0 NTNV



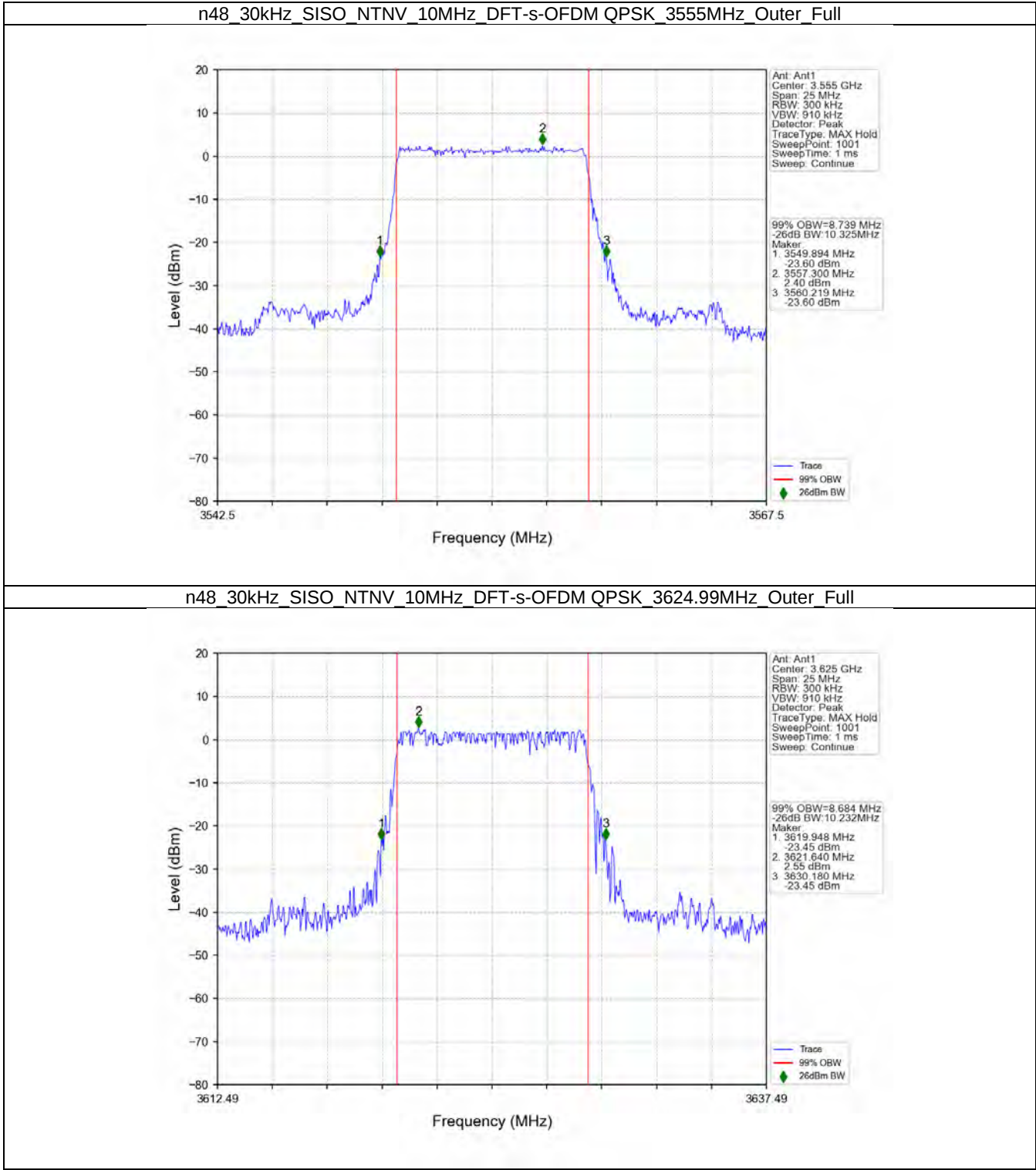
5G NR N481. 99% & 26dB Bandwidth

1.1 30k_SISO_10MHz_NTNV

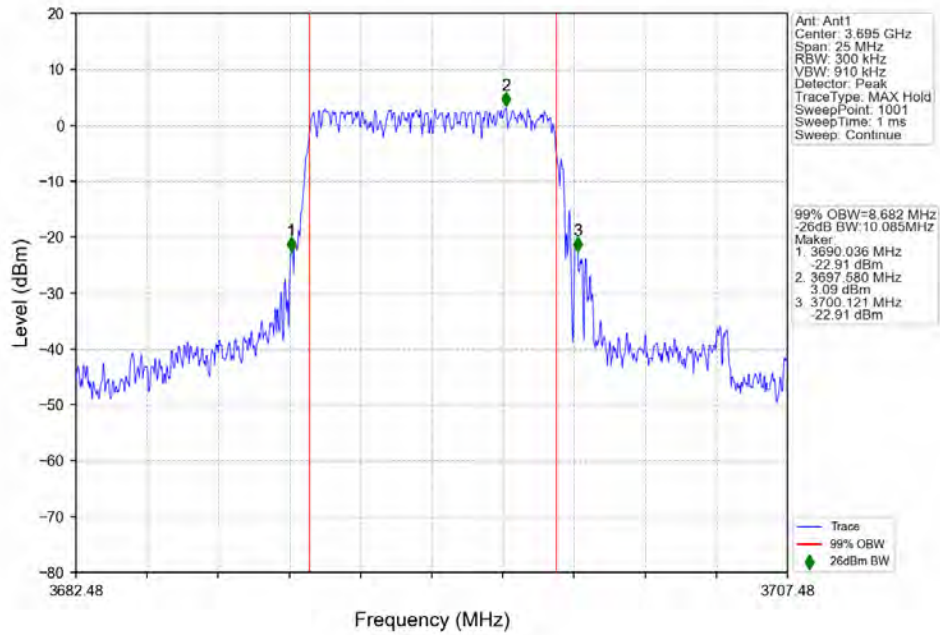
1.1.1 Test Result

5G NR n48 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3555	Outer_Full	8.74	10.32	/	Pass
	3624.99	Outer_Full	8.68	10.23	/	Pass
	3694.98	Outer_Full	8.68	10.09	/	Pass
DFT-s-OFDM 16 QAM	3555	Outer_Full	8.80	10.09	/	Pass
	3624.99	Outer_Full	8.71	10.05	/	Pass
	3694.98	Outer_Full	8.68	10.04	/	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	8.71	10.19	/	Pass
	3624.99	Outer_Full	8.68	10.20	/	Pass
	3694.98	Outer_Full	8.69	10.17	/	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	8.70	10.11	/	Pass
	3624.99	Outer_Full	8.62	10.05	/	Pass
	3694.98	Outer_Full	8.67	10.08	/	Pass
CP-OFDM QPSK	3555	Outer_Full	8.75	10.47	/	Pass
	3624.99	Outer_Full	8.71	9.94	/	Pass
	3694.98	Outer_Full	8.72	10.13	/	Pass
CP-OFDM 16 QAM	3555	Outer_Full	8.73	10.05	/	Pass
	3624.99	Outer_Full	8.72	9.96	/	Pass
	3694.98	Outer_Full	8.66	10.05	/	Pass
CP-OFDM 64 QAM	3555	Outer_Full	8.71	10.11	/	Pass
	3624.99	Outer_Full	8.65	10.08	/	Pass
	3694.98	Outer_Full	8.71	9.81	/	Pass
CP-OFDM 256 QAM	3555	Outer_Full	8.71	10.02	/	Pass
	3624.99	Outer_Full	8.64	9.77	/	Pass
	3694.98	Outer_Full	8.68	10.01	/	Pass

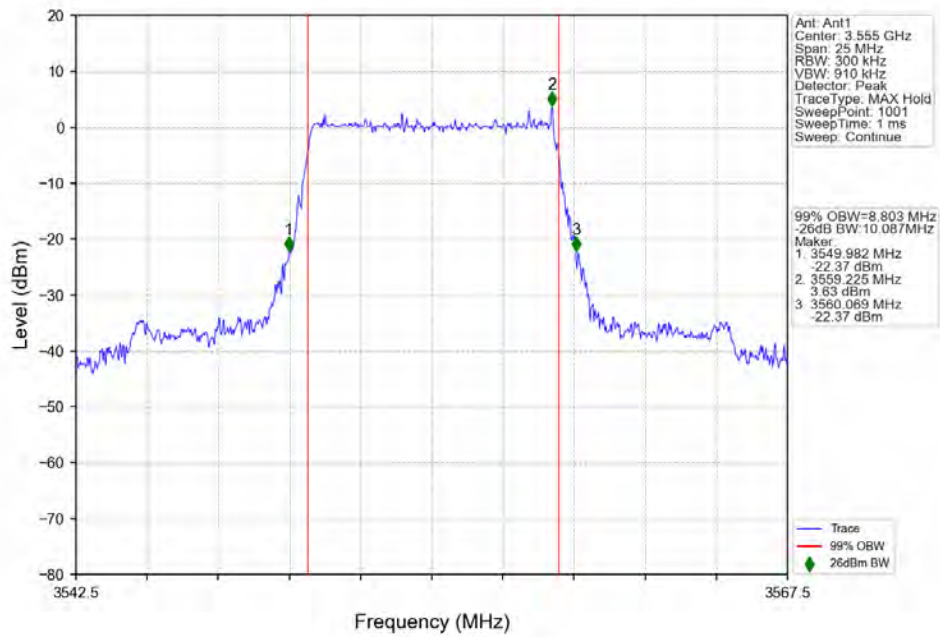
1.1.2 Test Graph



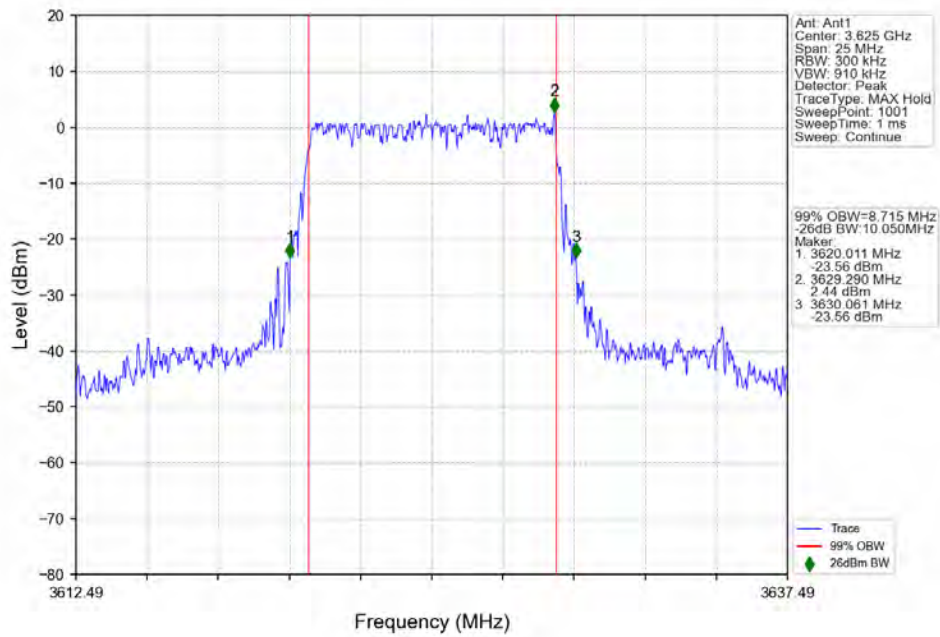
n48 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3694.98MHz Outer Full



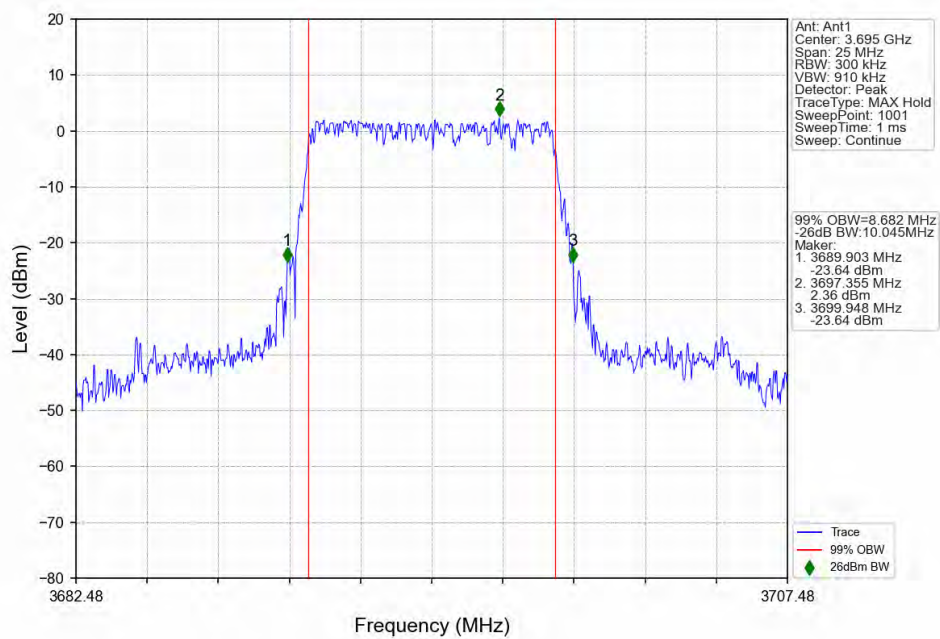
n48 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3555MHz Outer Full



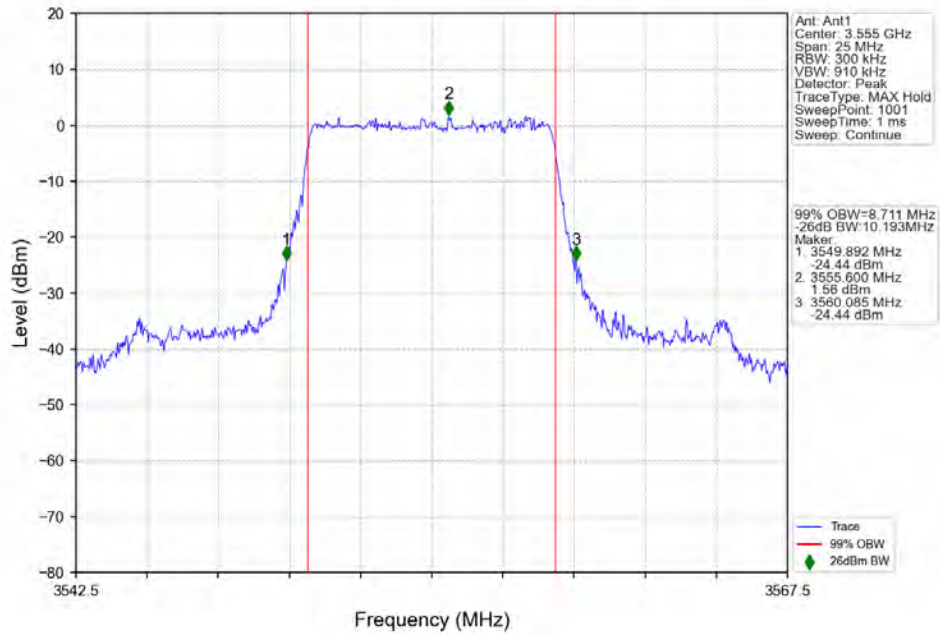
n48 30kHz SISO NTV 10MHz DFT-s-OFDM 16 QAM 3624.99MHz Outer Full



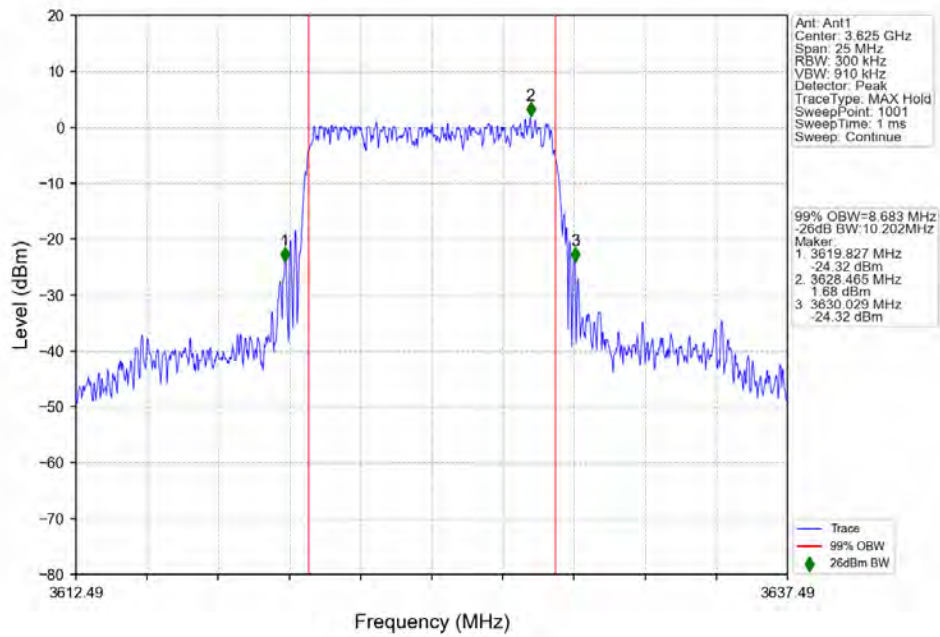
n48 30kHz SISO NTV 10MHz DFT-s-OFDM 16 QAM 3694.98MHz Outer Full



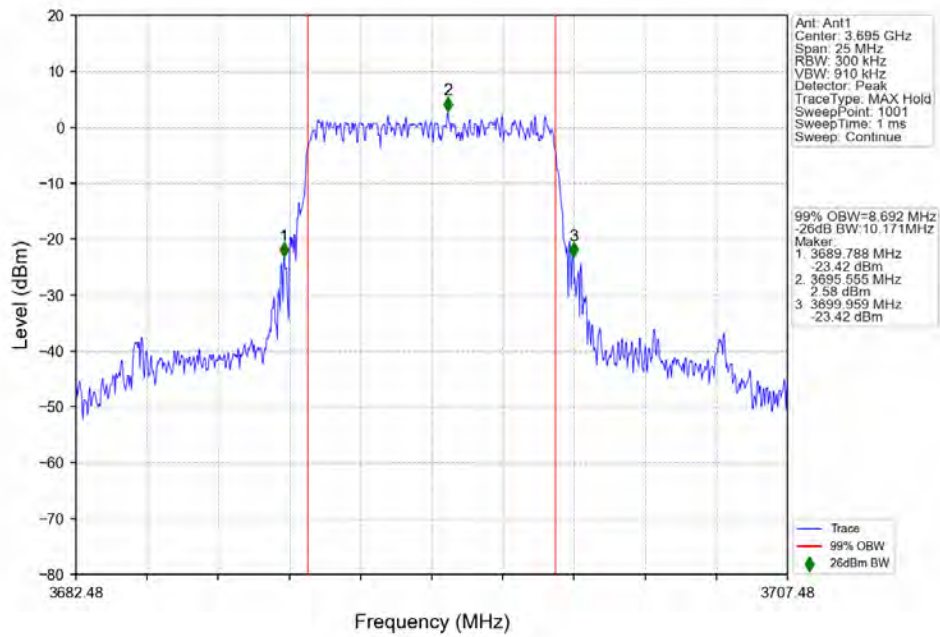
n48 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 3555MHz Outer Full



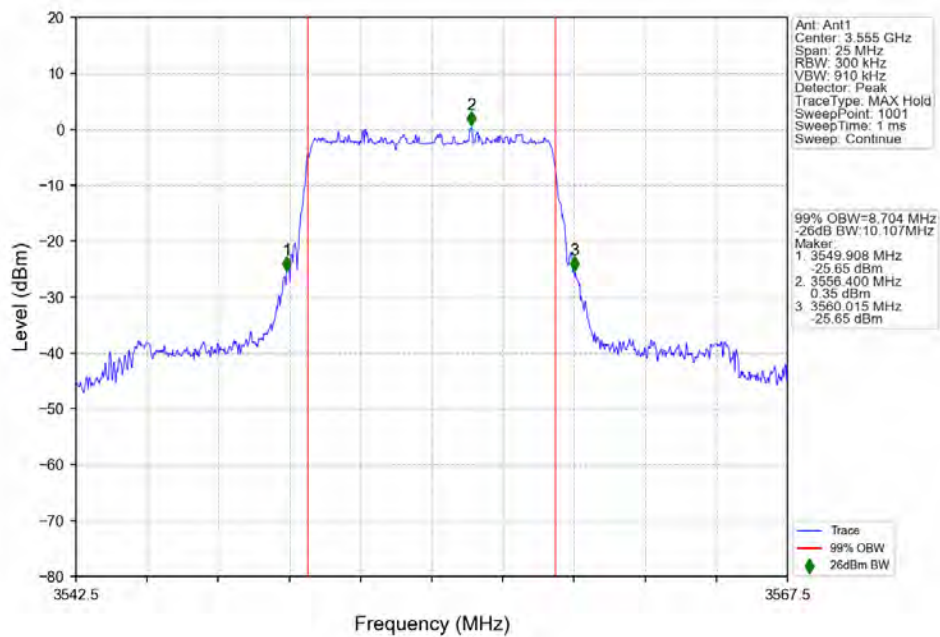
n48 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 3624.99MHz Outer Full



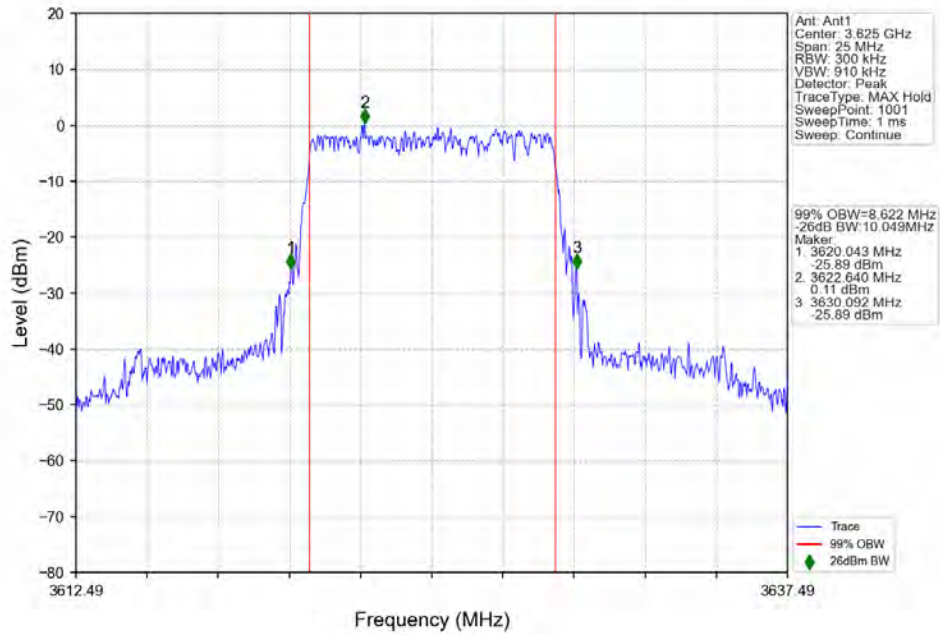
n48 30kHz SISO NTNv 10MHz DFT-s-OFDM 64 QAM 3694.98MHz Outer Full



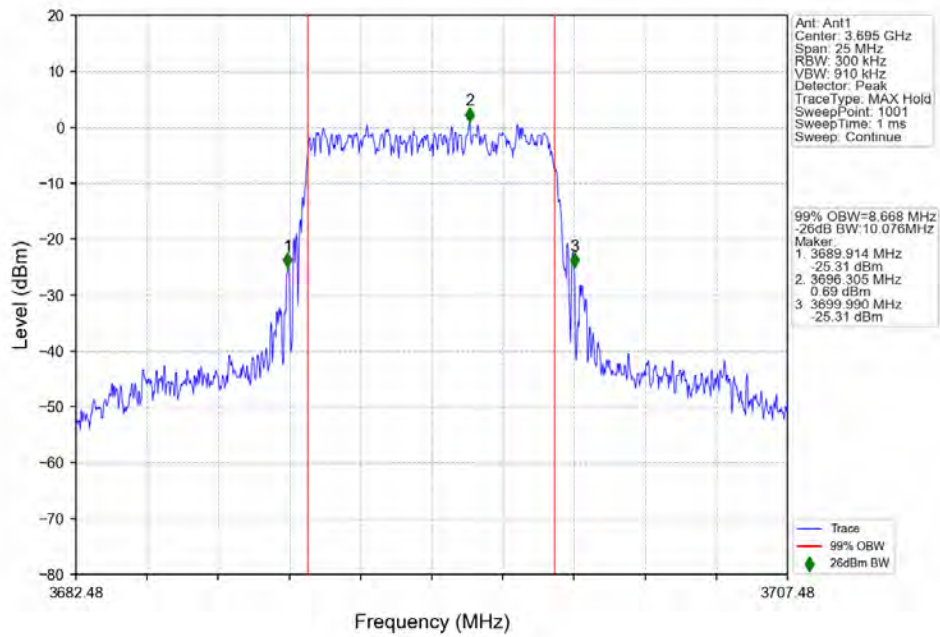
n48 30kHz SISO NTNv 10MHz DFT-s-OFDM 256 QAM 3555MHz Outer Full



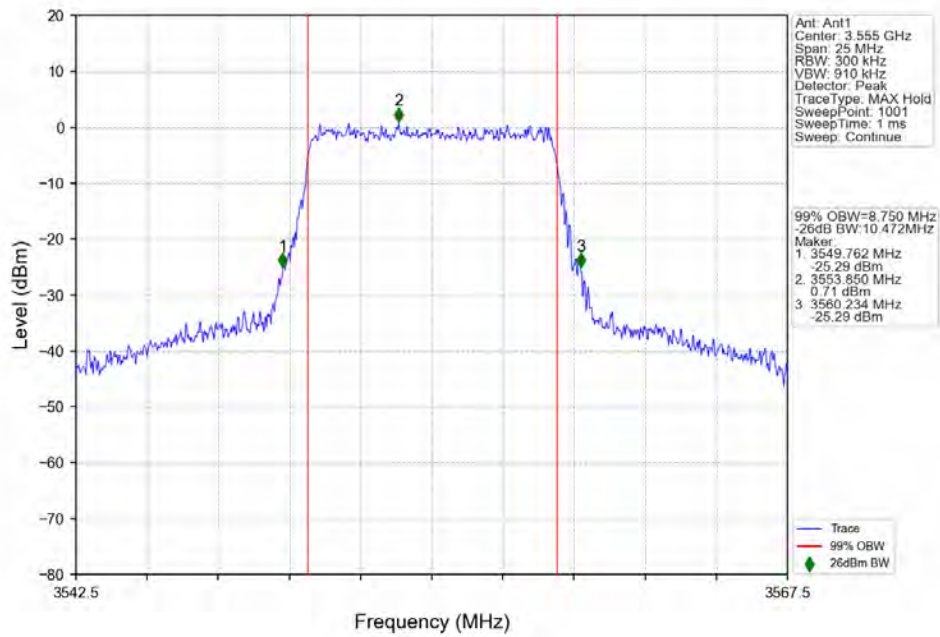
n48 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 3624.99MHz Outer Full



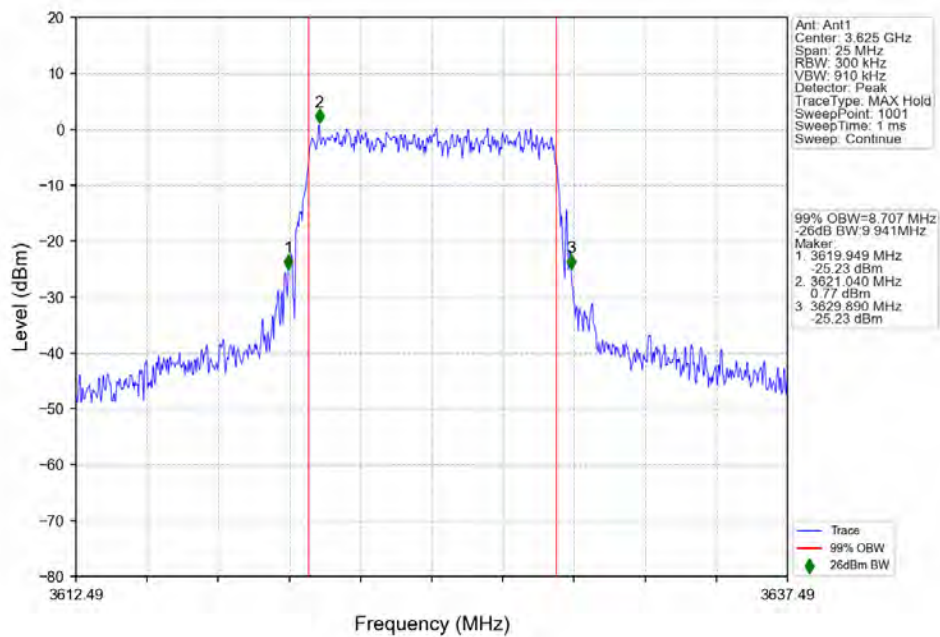
n48 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 3694.98MHz Outer Full



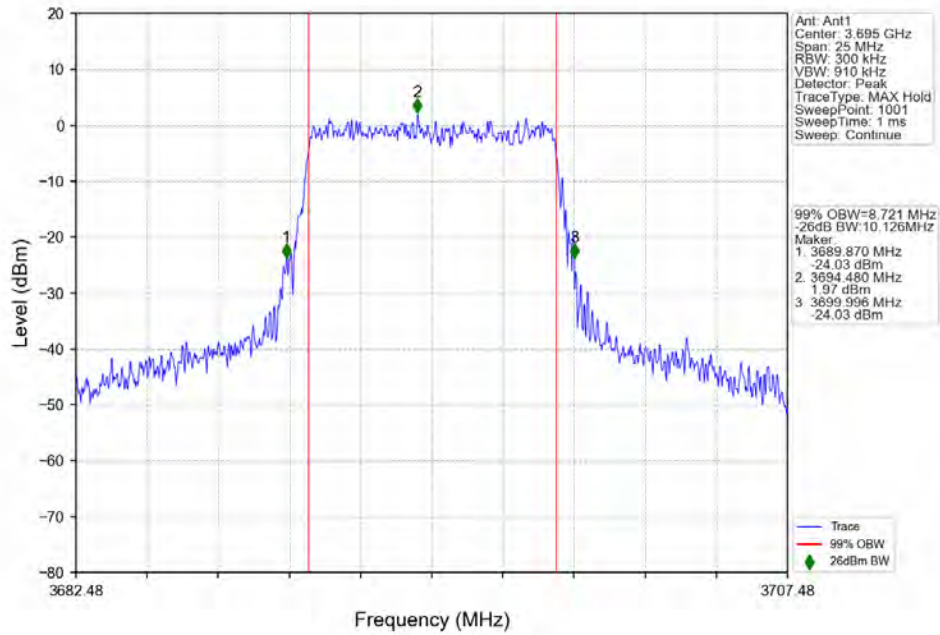
n48 30kHz SISO NTN 10MHz CP-OFDM QPSK 3555MHz Outer Full



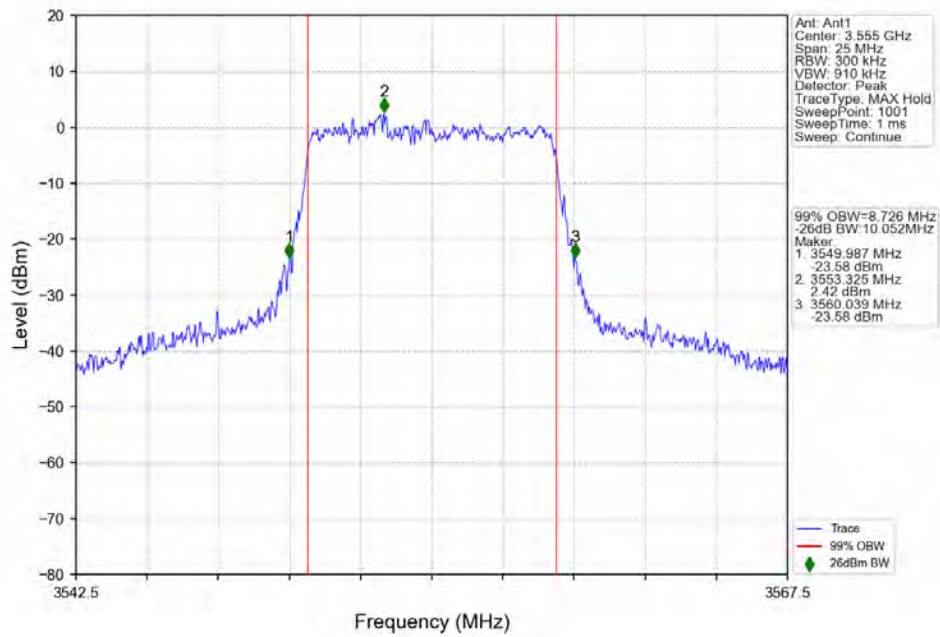
n48 30kHz SISO NTN 10MHz CP-OFDM QPSK 3624.99MHz Outer Full



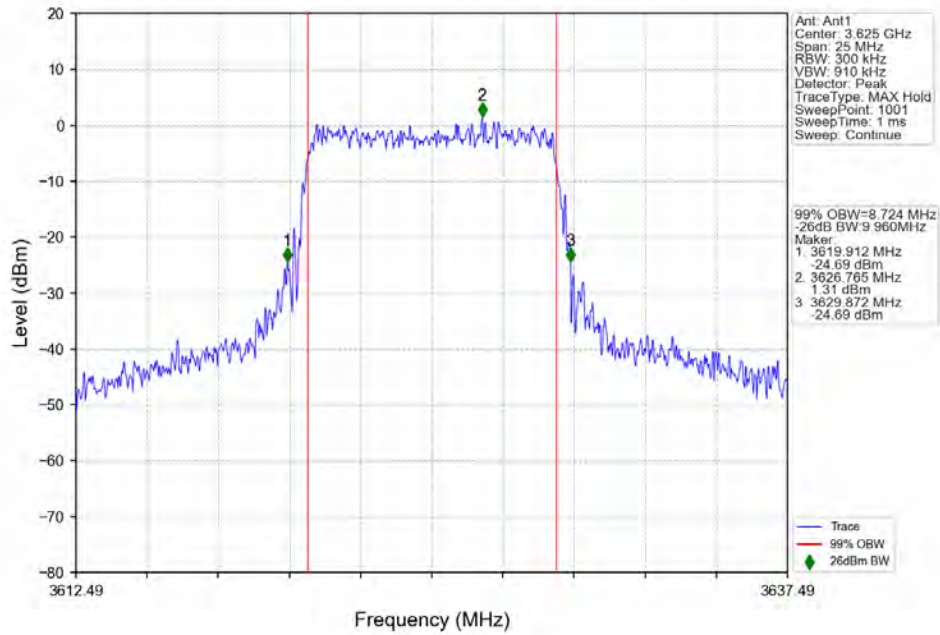
n48 30kHz SISO NTN 10MHz CP-OFDM QPSK 3694.98MHz Outer Full



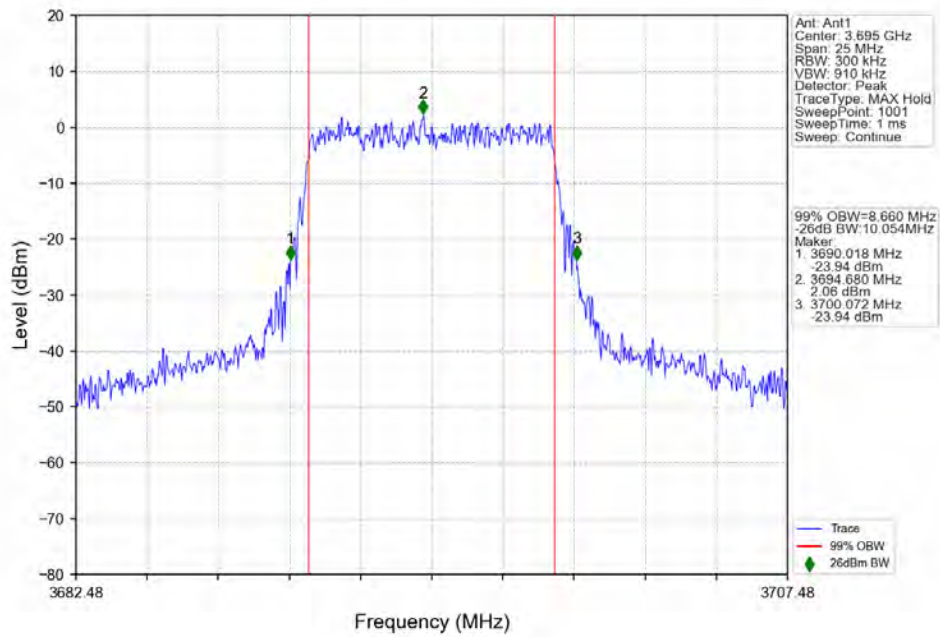
n48 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 3555MHz Outer Full



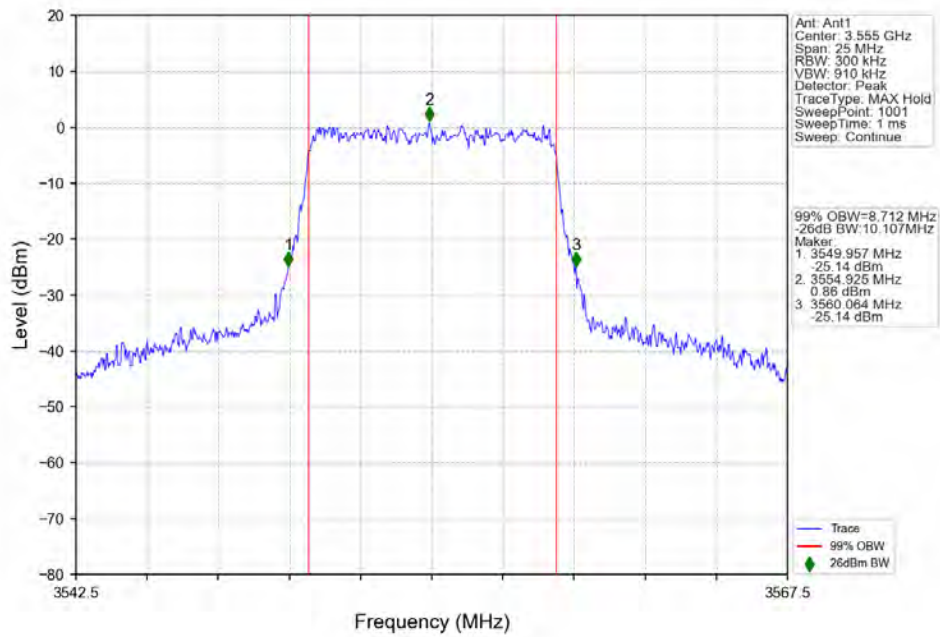
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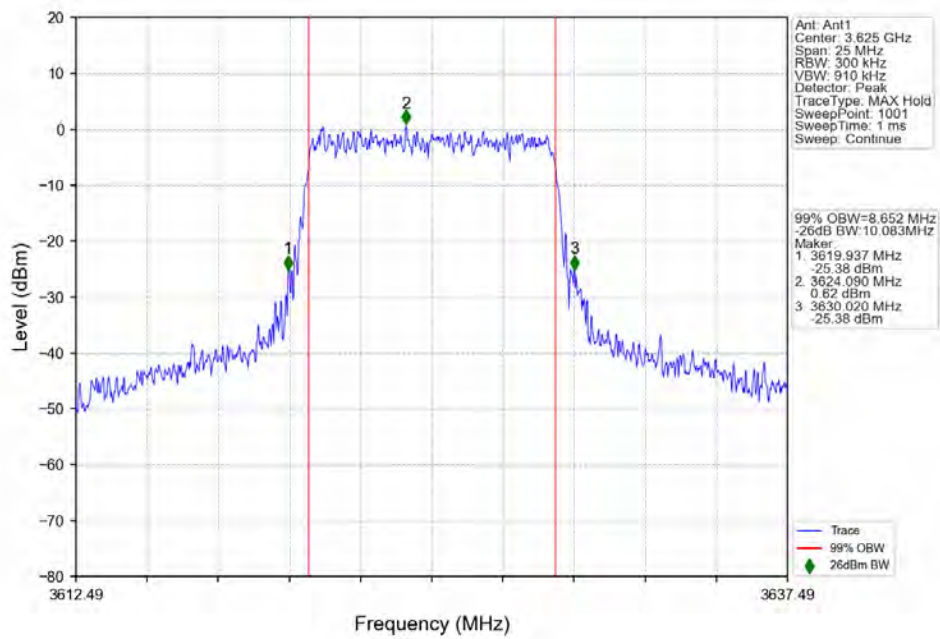
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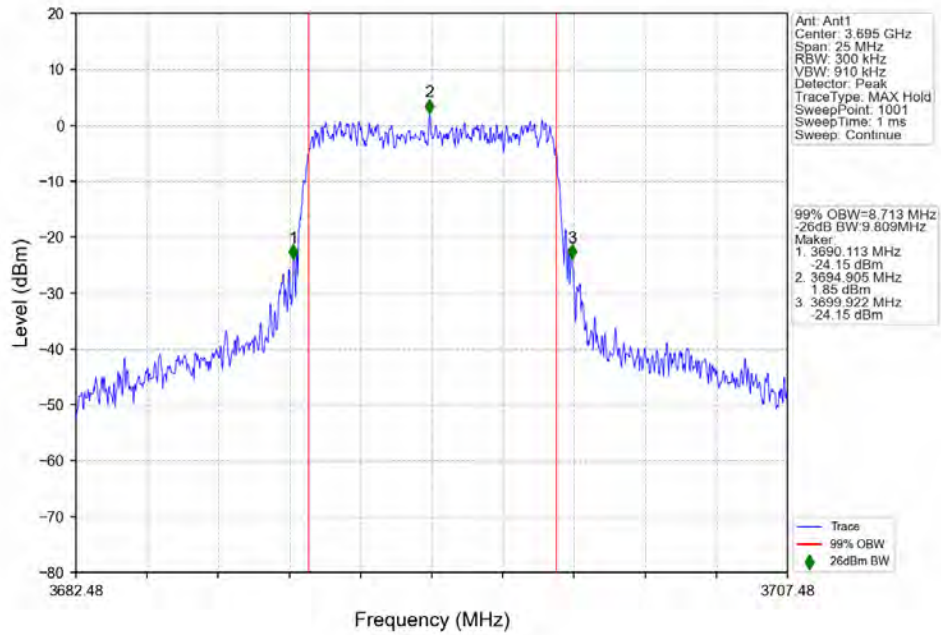
n48 30kHz SISO NTN 10MHz CP-OFDM 64 QAM 3555MHz Outer Full



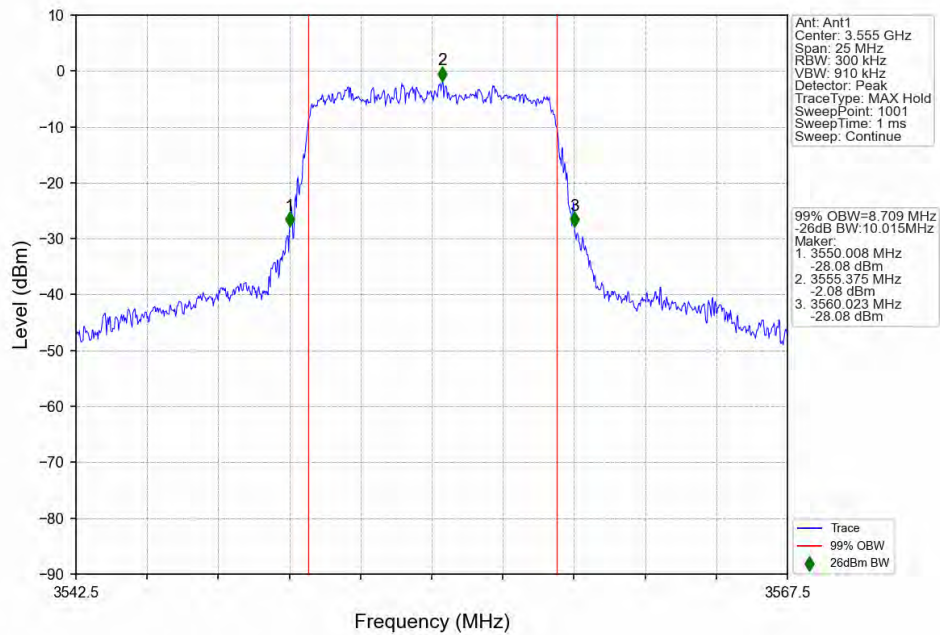
n48 30kHz SISO NTN 10MHz CP-OFDM 64 QAM 3624.99MHz Outer Full



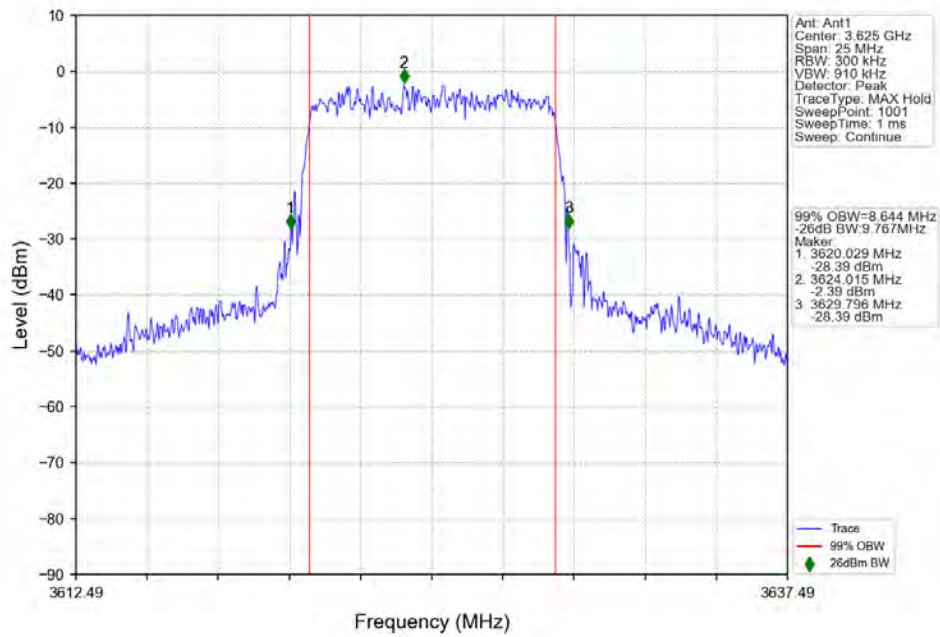
n48 30kHz SISO NTN 10MHz CP-OFDM 64 QAM 3694.98MHz Outer Full



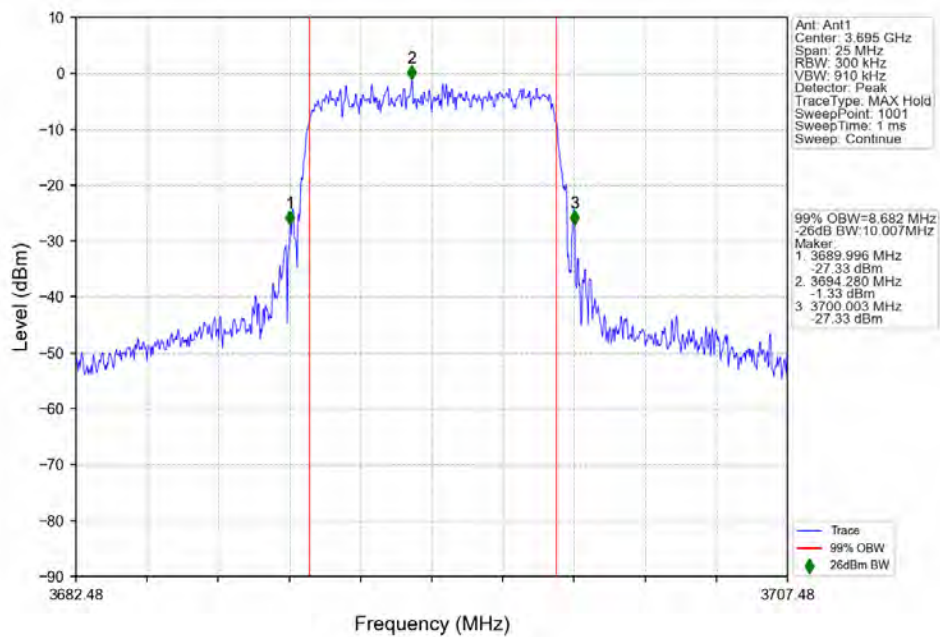
n48 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3555MHz Outer Full



n48 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3624.99MHz Outer Full



n48 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3694.98MHz Outer Full

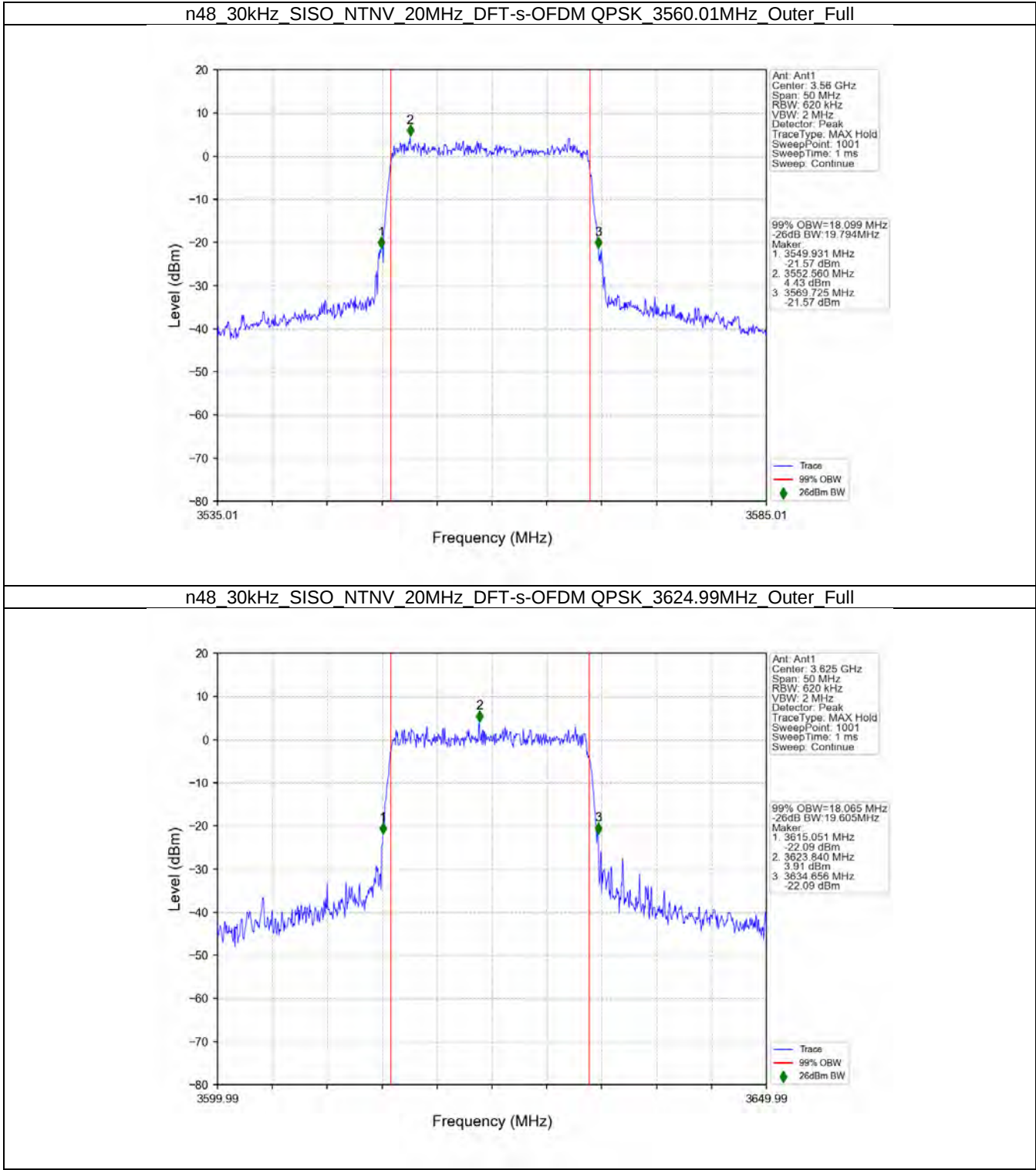


1.2 30k_SISO_20MHz_NTNV

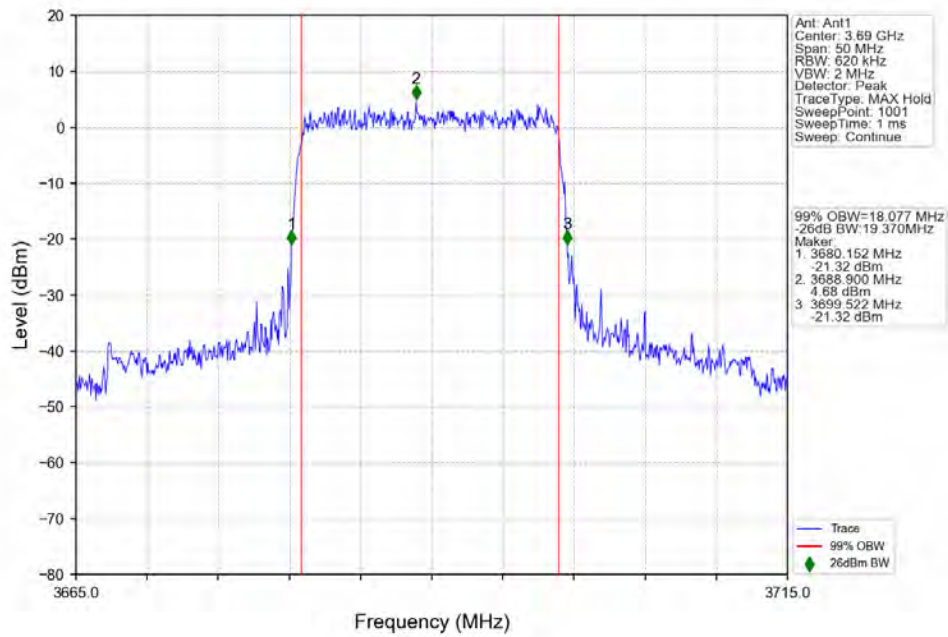
1.2.1 Test Result

5G NR n48 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.10	19.79	/	Pass
	3624.99	Outer_Full	18.07	19.61	/	Pass
	3690	Outer_Full	18.08	19.37	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.12	20.11	/	Pass
	3624.99	Outer_Full	18.05	19.67	/	Pass
	3690	Outer_Full	18.09	19.75	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.14	19.90	/	Pass
	3624.99	Outer_Full	18.14	19.84	/	Pass
	3690	Outer_Full	18.16	19.76	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.14	19.94	/	Pass
	3624.99	Outer_Full	18.12	19.57	/	Pass
	3690	Outer_Full	18.08	19.35	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.39	20.24	/	Pass
	3624.99	Outer_Full	18.36	20.06	/	Pass
	3690	Outer_Full	18.36	20.33	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.43	20.77	/	Pass
	3624.99	Outer_Full	18.44	19.90	/	Pass
	3690	Outer_Full	18.45	19.99	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.37	20.24	/	Pass
	3624.99	Outer_Full	18.43	19.70	/	Pass
	3690	Outer_Full	18.38	20.08	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.42	20.36	/	Pass
	3624.99	Outer_Full	18.34	20.03	/	Pass
	3690	Outer_Full	18.39	20.15	/	Pass

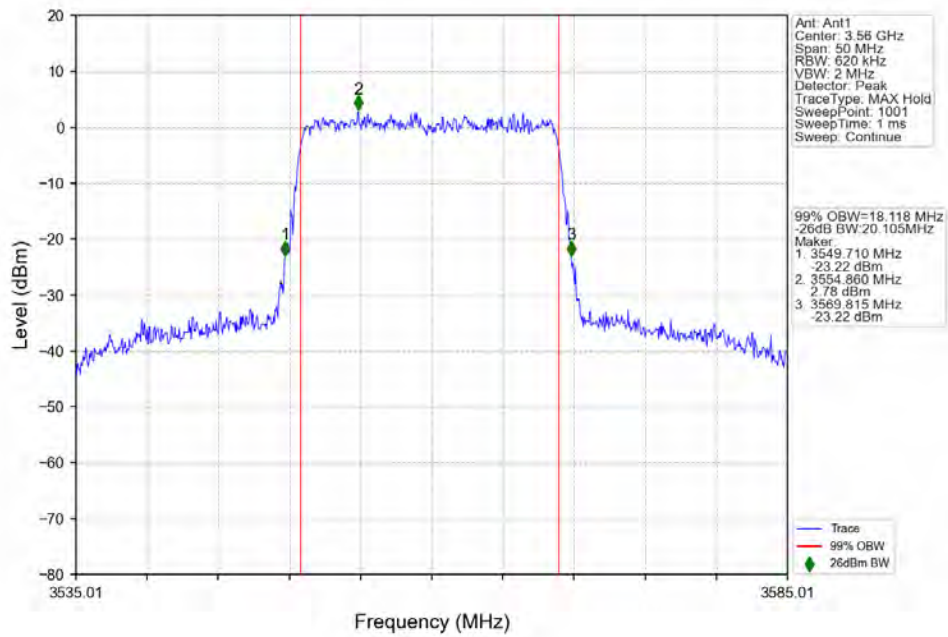
1.2.2 Test Graph



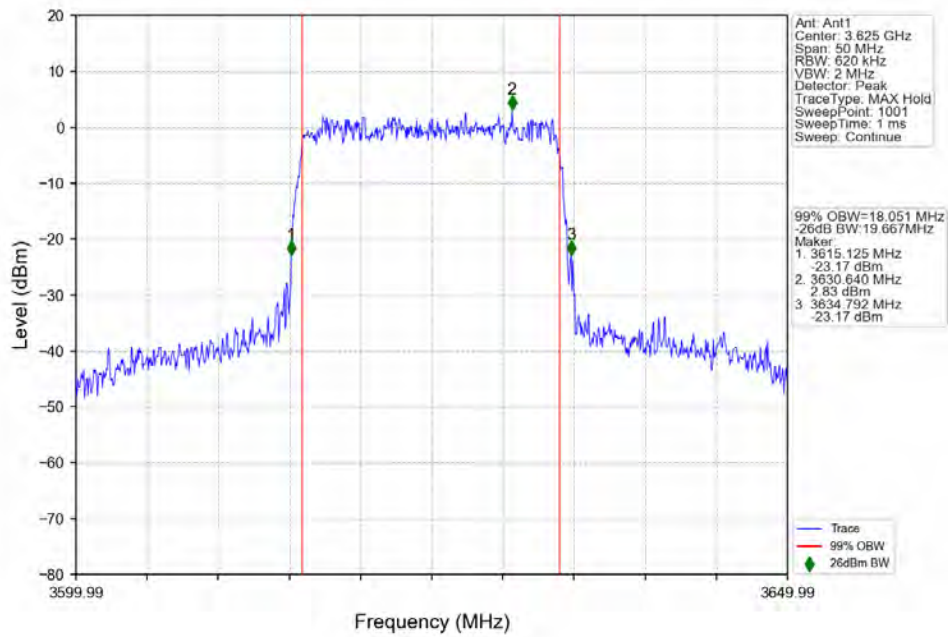
n48 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3690MHz Outer Full



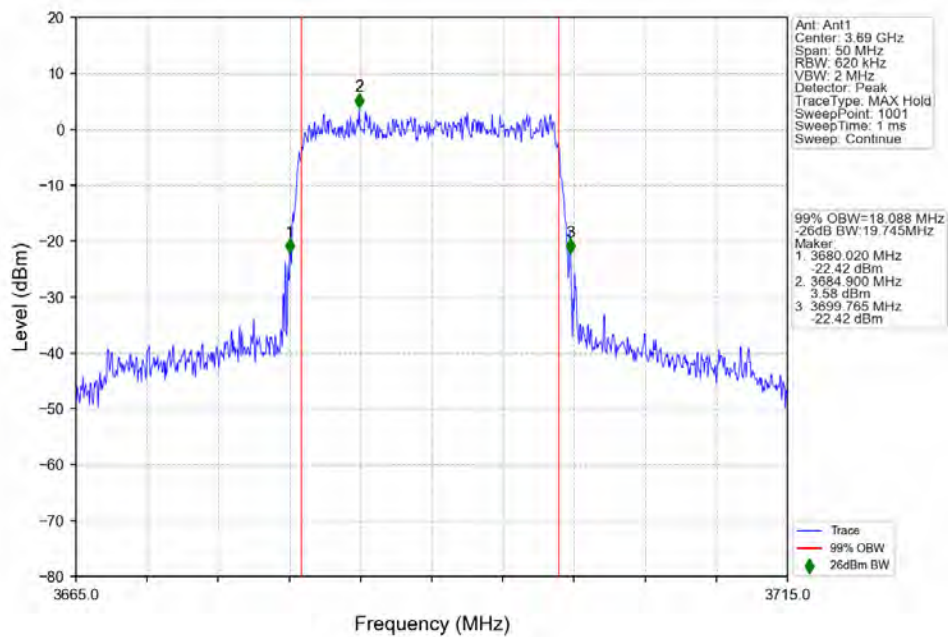
n48 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3560.01MHz Outer Full



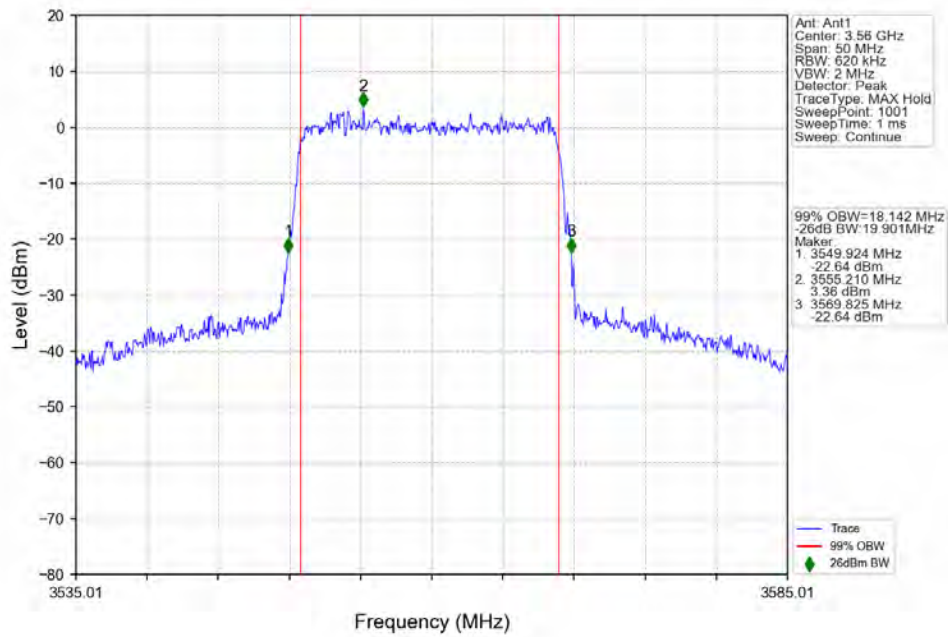
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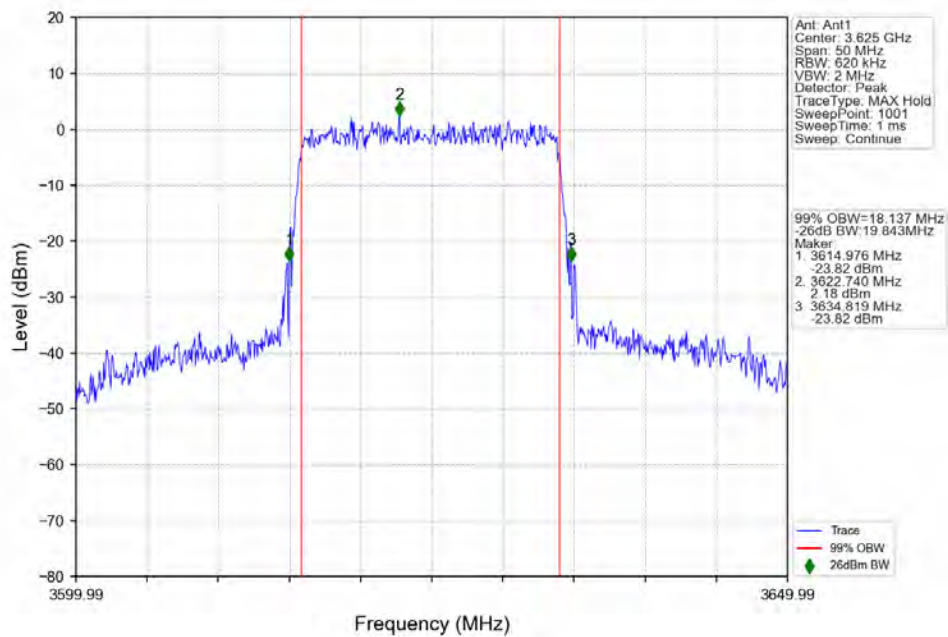
n48 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3690MHz Outer Full



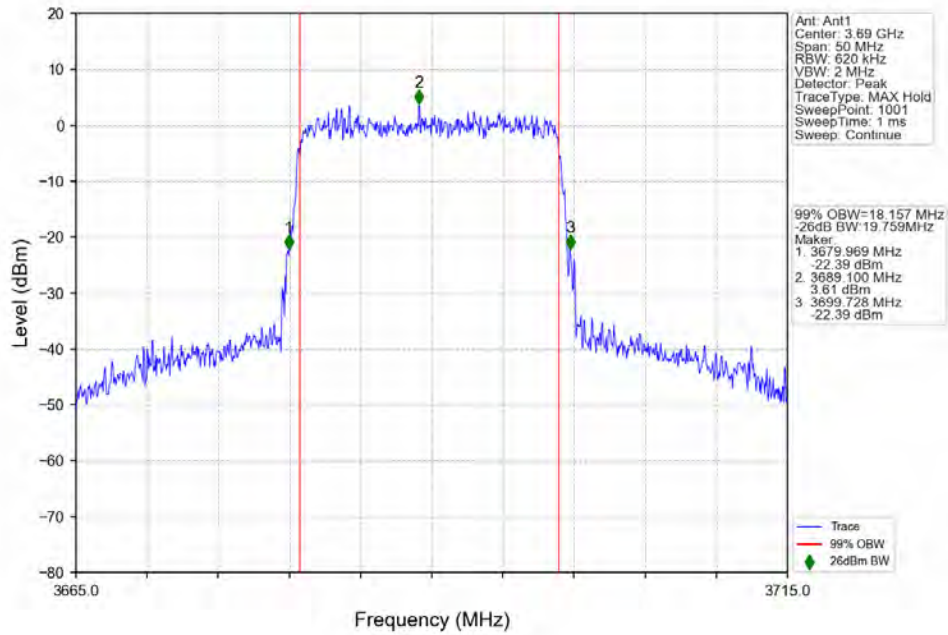
n48 30kHz SISO NTV 20MHz DFT-s-OFDM 64 QAM 3560.01MHz Outer Full



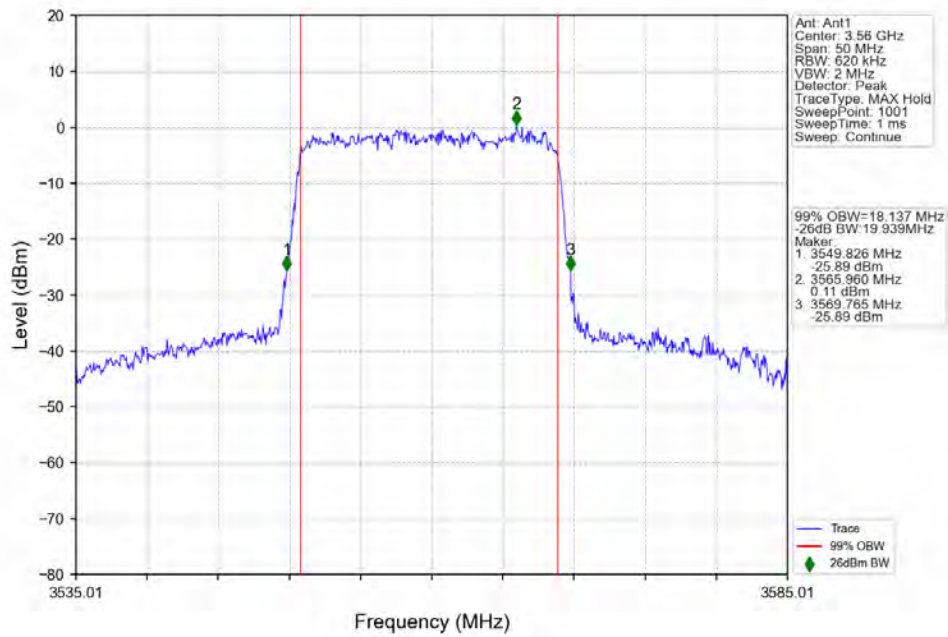
n48 30kHz SISO NTV 20MHz DFT-s-OFDM 64 QAM 3624.99MHz Outer Full



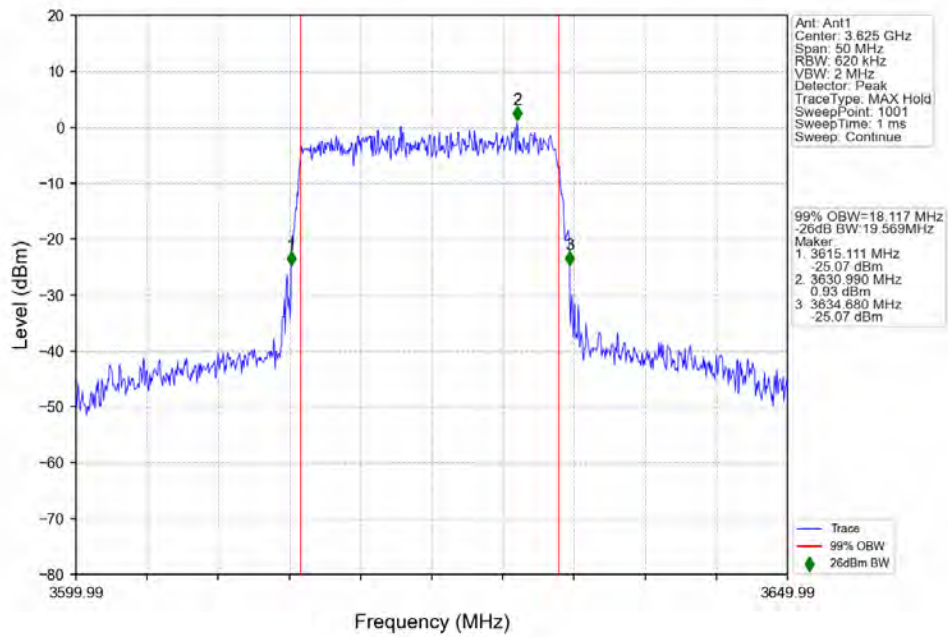
n48 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3690MHz Outer Full



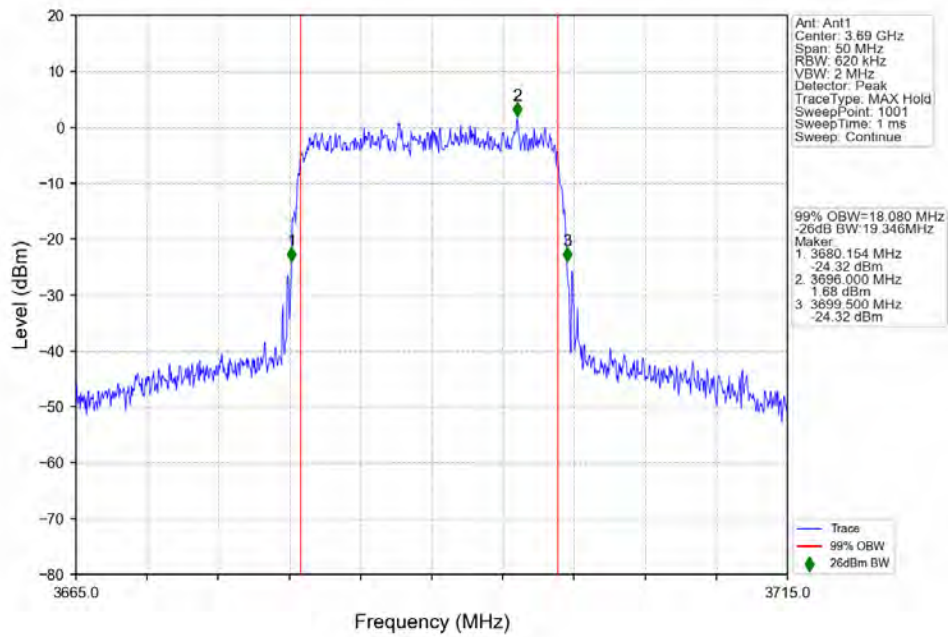
n48 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3560.01MHz Outer Full



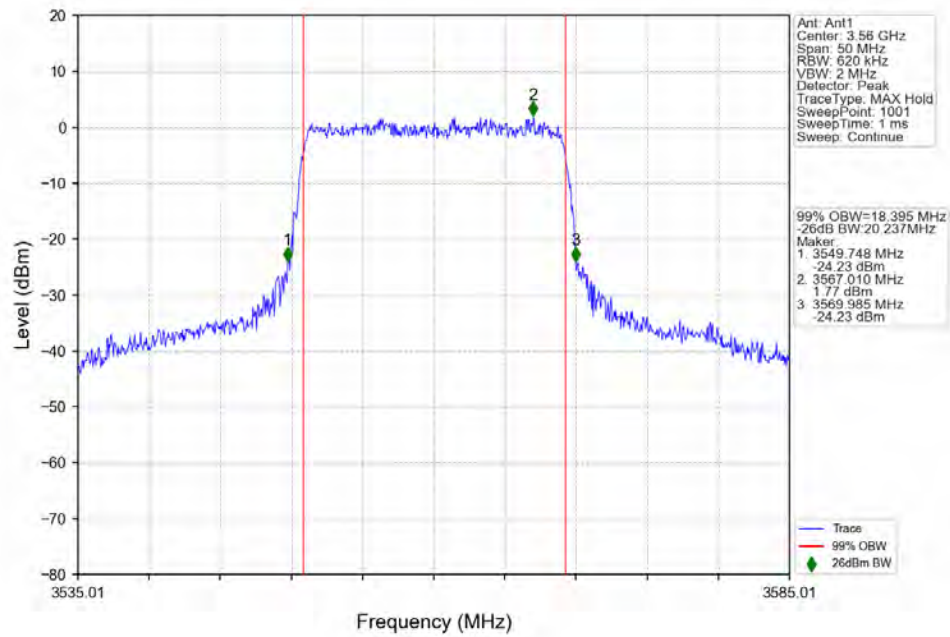
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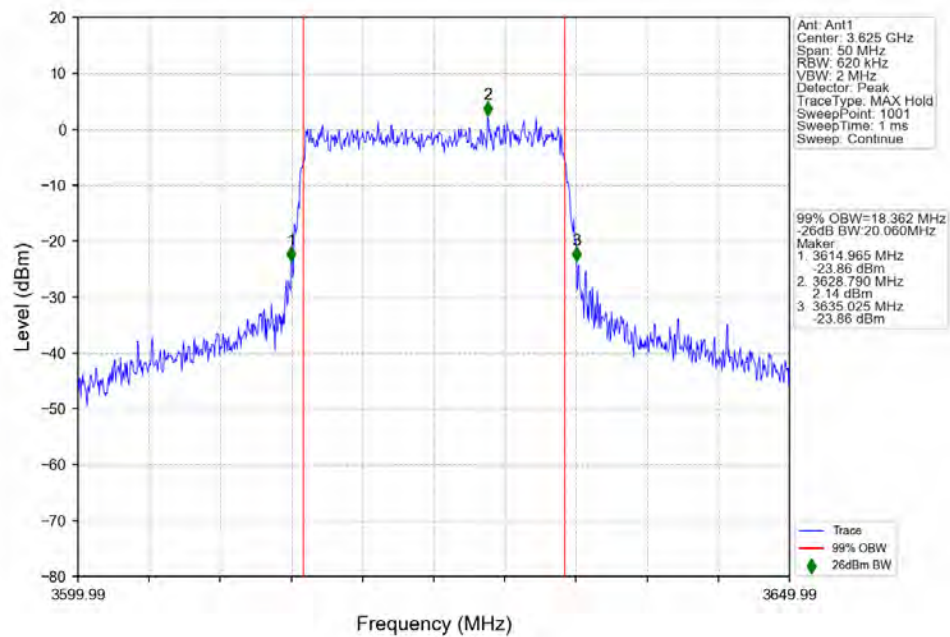
n48 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3690MHz Outer Full



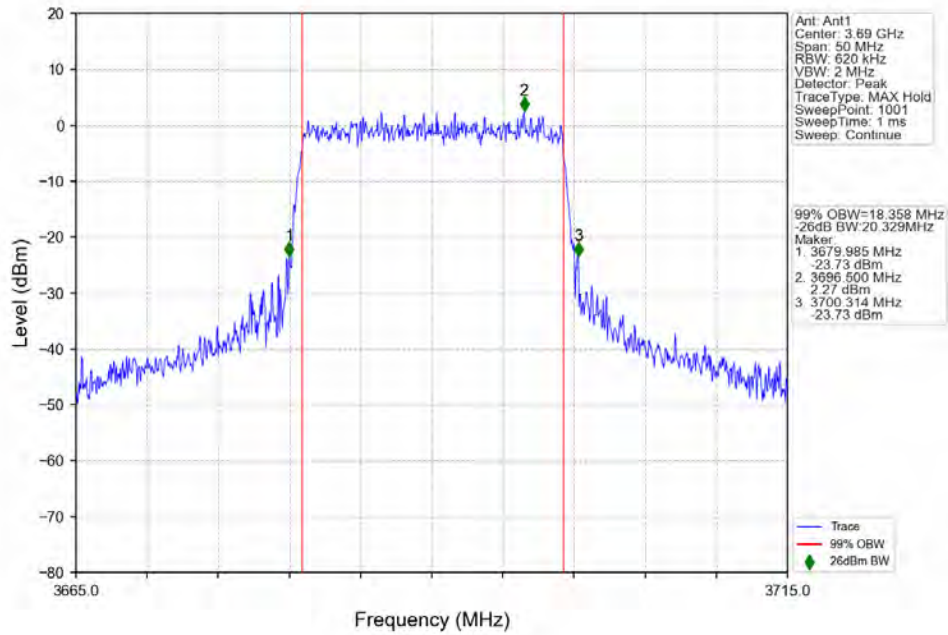
n48 30kHz SISO NTN 20MHz CP-OFDM QPSK 3560.01MHz Outer Full



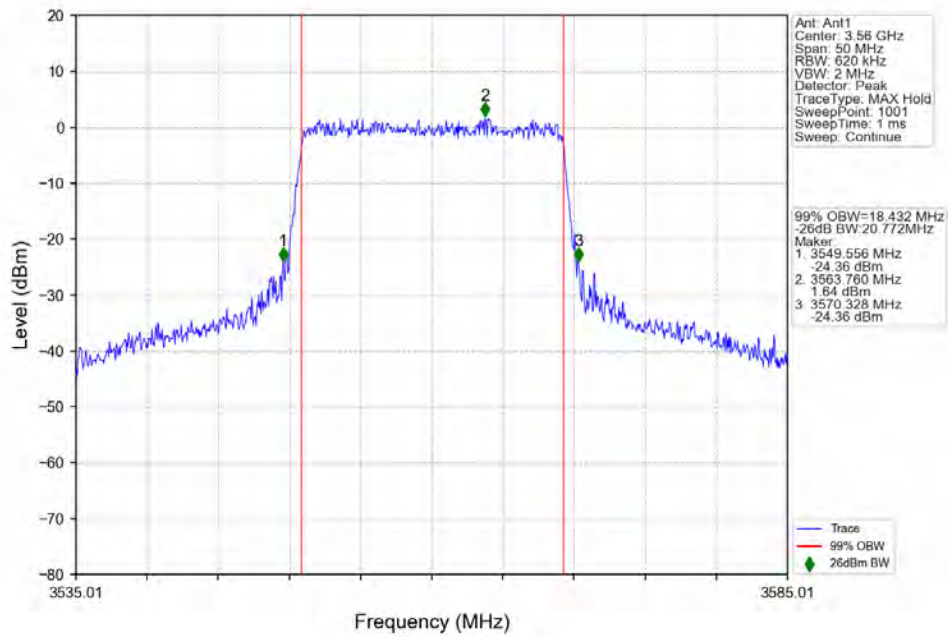
n48 30kHz SISO NTN 20MHz CP-OFDM QPSK 3624.99MHz Outer Full



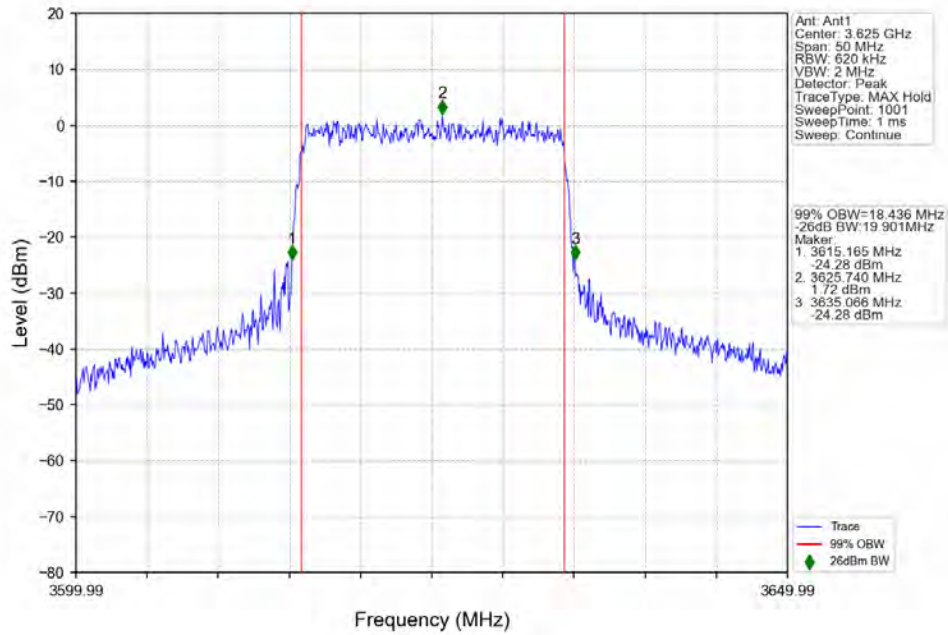
n48 30kHz SISO NTN 20MHz CP-OFDM QPSK 3690MHz Outer Full



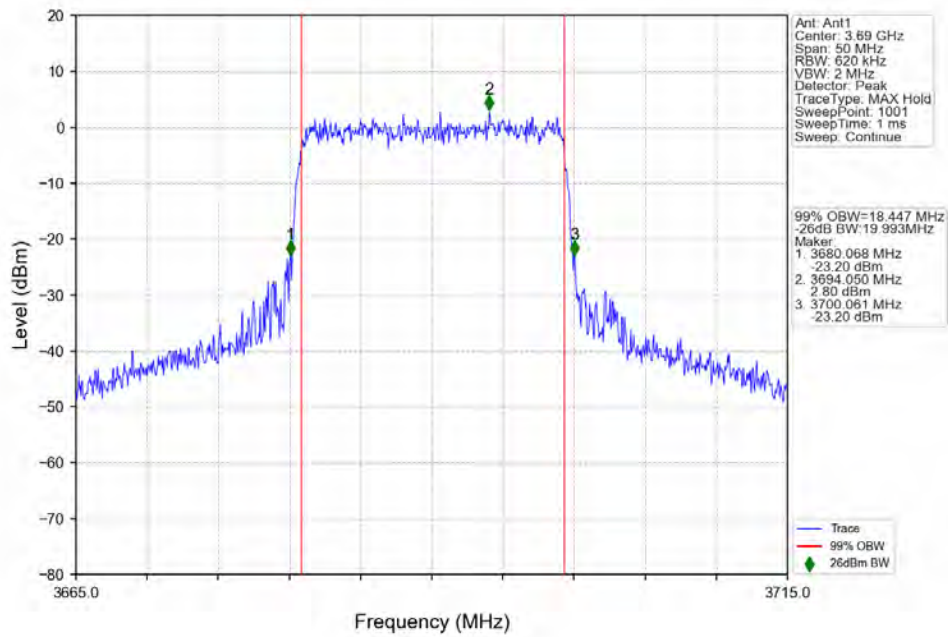
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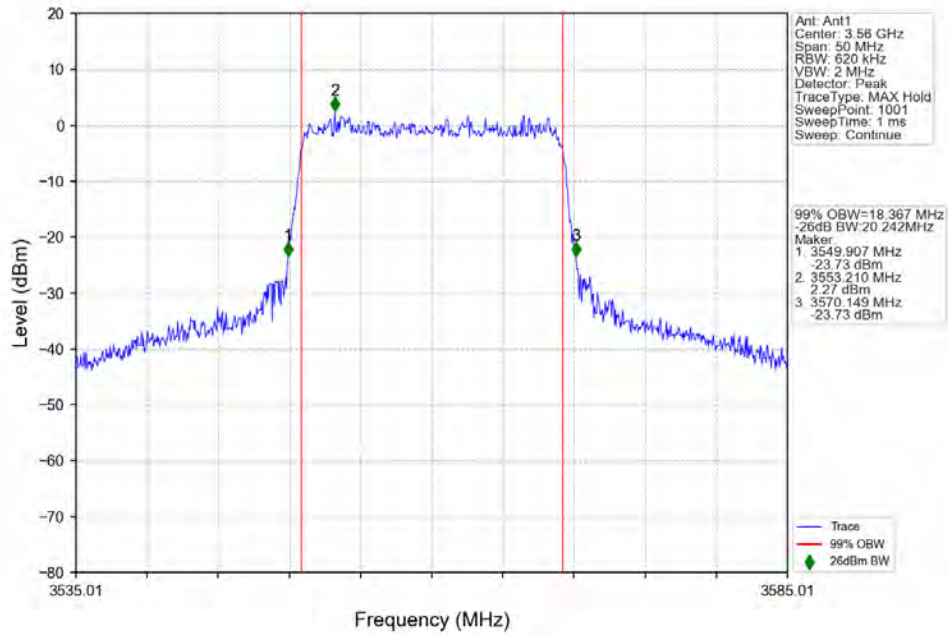
n48 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3624.99MHz Outer Full



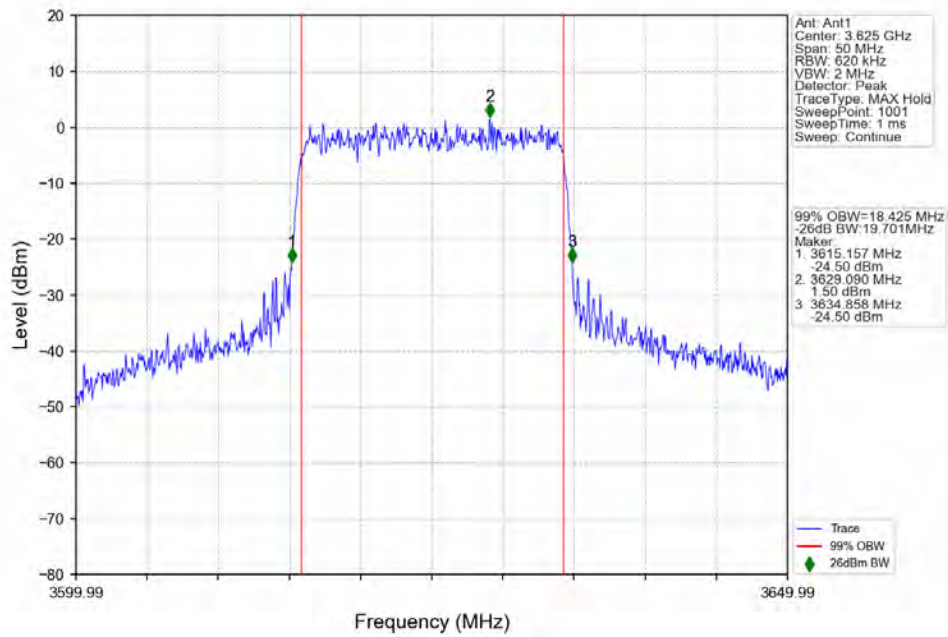
n48 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3690MHz Outer Full



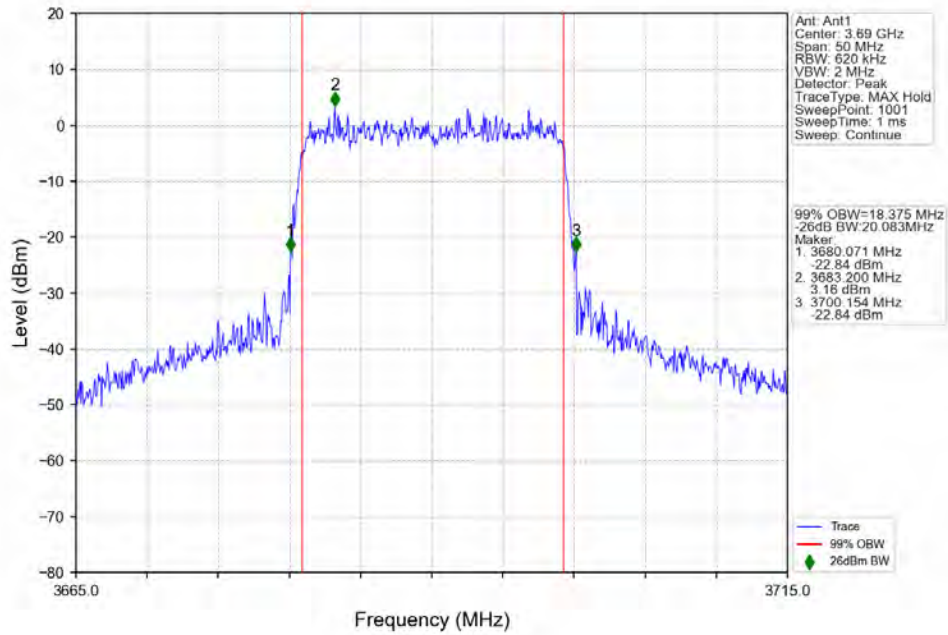
n48 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3560.01MHz Outer Full



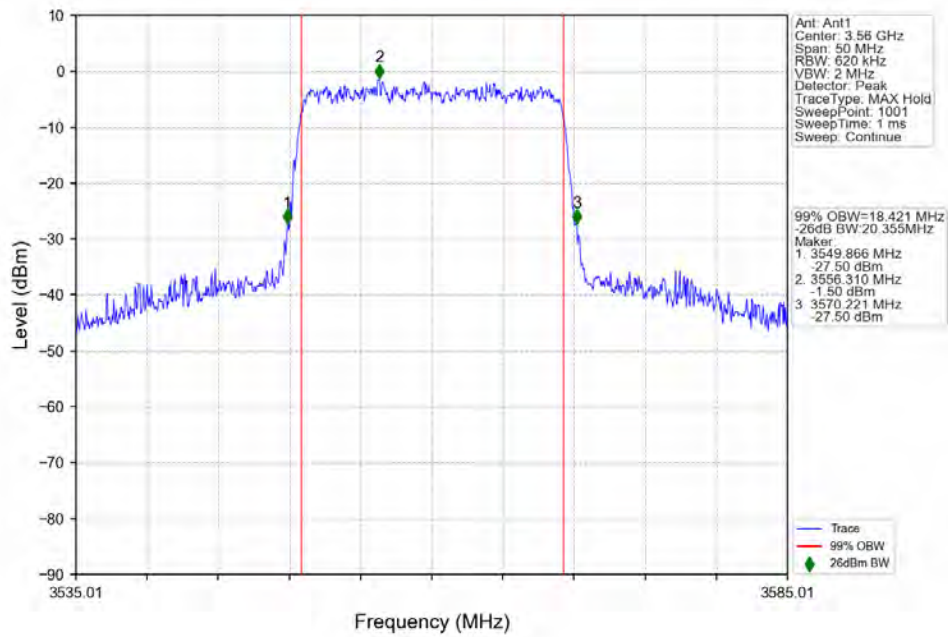
n48 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3624.99MHz Outer Full



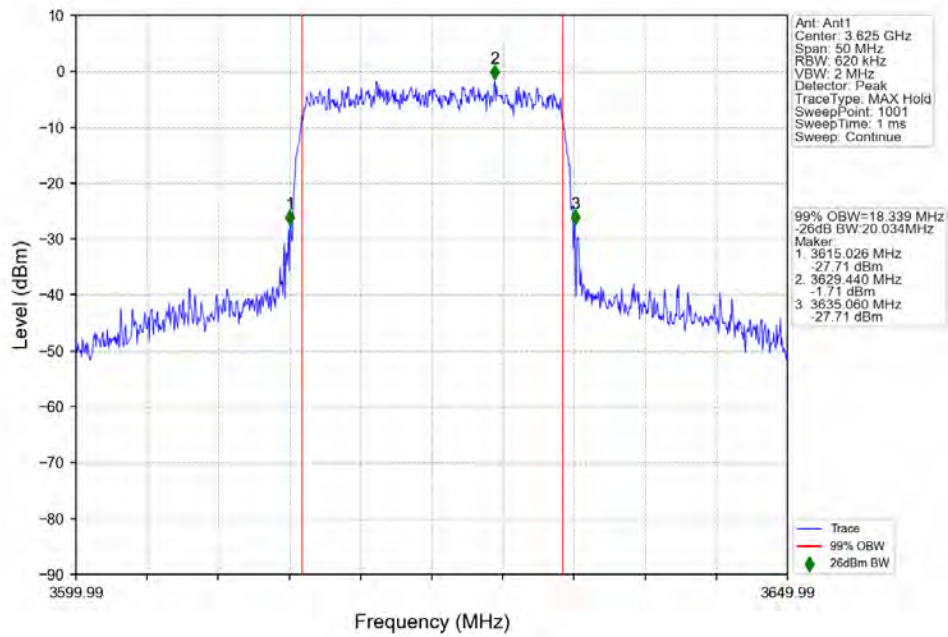
n48 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3690MHz Outer Full



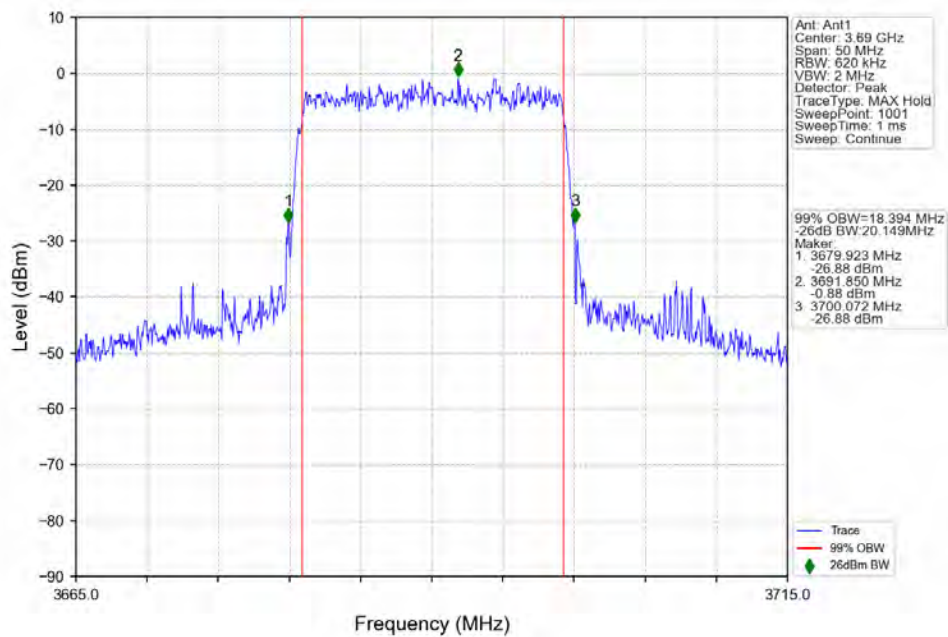
n48 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3560.01MHz Outer Full



n48 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3624.99MHz Outer Full



n48 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3690MHz Outer Full

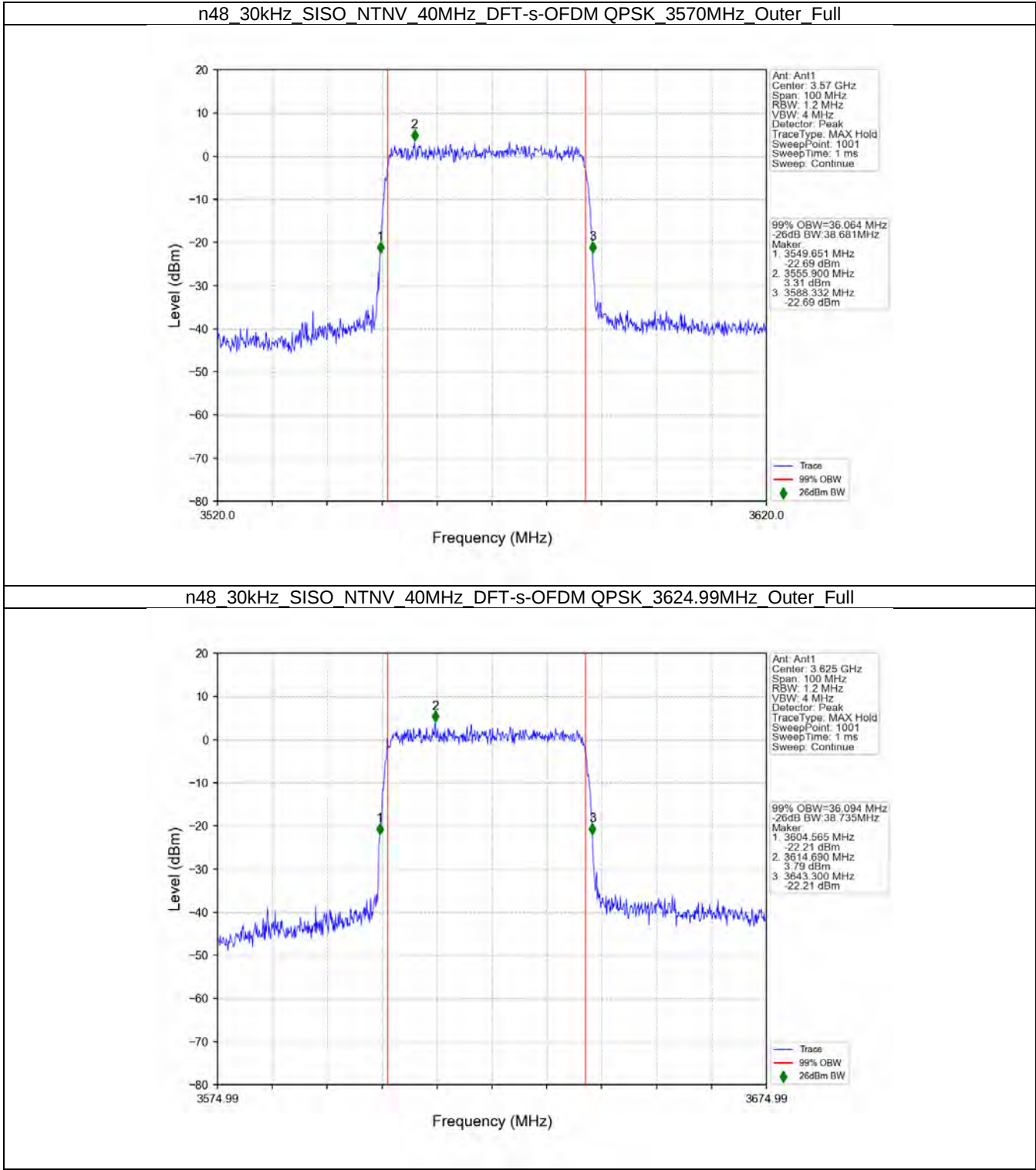


1.3 30k_SISO_40MHz_NTNV

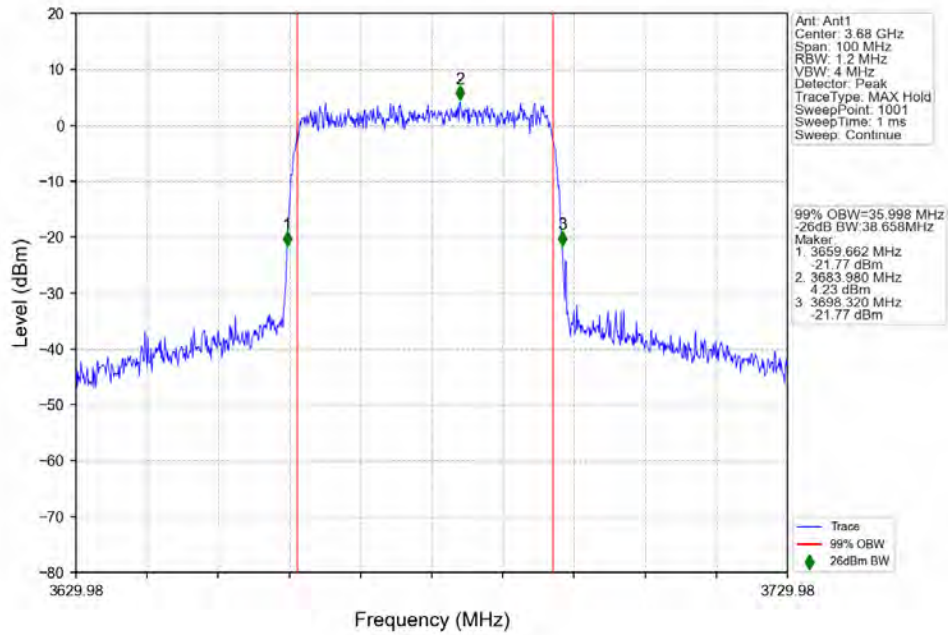
1.3.1 Test Result

5G NR n48 SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3570	Outer_Full	36.06	38.68	/	Pass
	3624.99	Outer_Full	36.09	38.73	/	Pass
	3679.98	Outer_Full	36.00	38.66	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	35.95	38.71	/	Pass
	3624.99	Outer_Full	36.14	38.66	/	Pass
	3679.98	Outer_Full	36.04	38.68	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	36.06	38.58	/	Pass
	3624.99	Outer_Full	36.05	38.67	/	Pass
	3679.98	Outer_Full	36.05	38.75	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	36.17	38.53	/	Pass
	3624.99	Outer_Full	35.98	38.65	/	Pass
	3679.98	Outer_Full	35.99	38.65	/	Pass
CP-OFDM QPSK	3570	Outer_Full	38.15	41.05	/	Pass
	3624.99	Outer_Full	38.10	40.76	/	Pass
	3679.98	Outer_Full	38.17	40.70	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	38.27	40.68	/	Pass
	3624.99	Outer_Full	38.10	40.76	/	Pass
	3679.98	Outer_Full	38.09	40.84	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.09	40.76	/	Pass
	3624.99	Outer_Full	38.02	40.93	/	Pass
	3679.98	Outer_Full	38.16	40.89	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.14	41.12	/	Pass
	3624.99	Outer_Full	38.06	40.57	/	Pass
	3679.98	Outer_Full	38.12	40.88	/	Pass

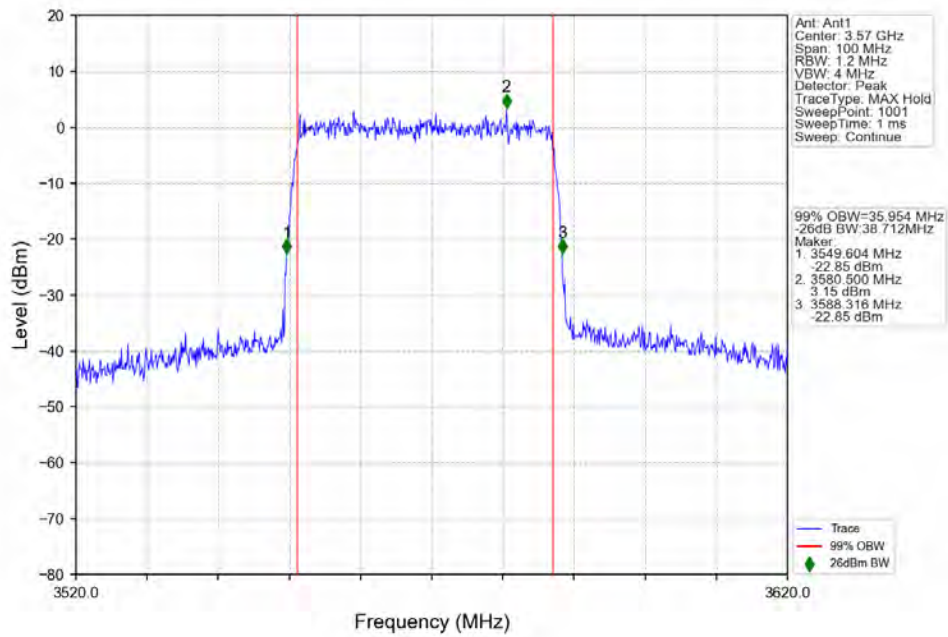
1.3.2 Test Graph



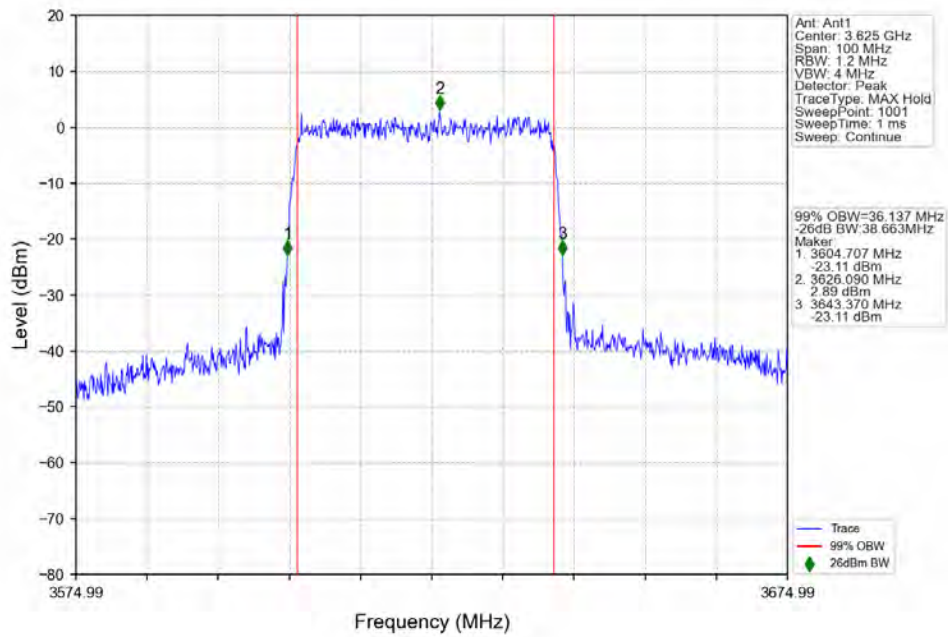
n48 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3679.98MHz Outer Full



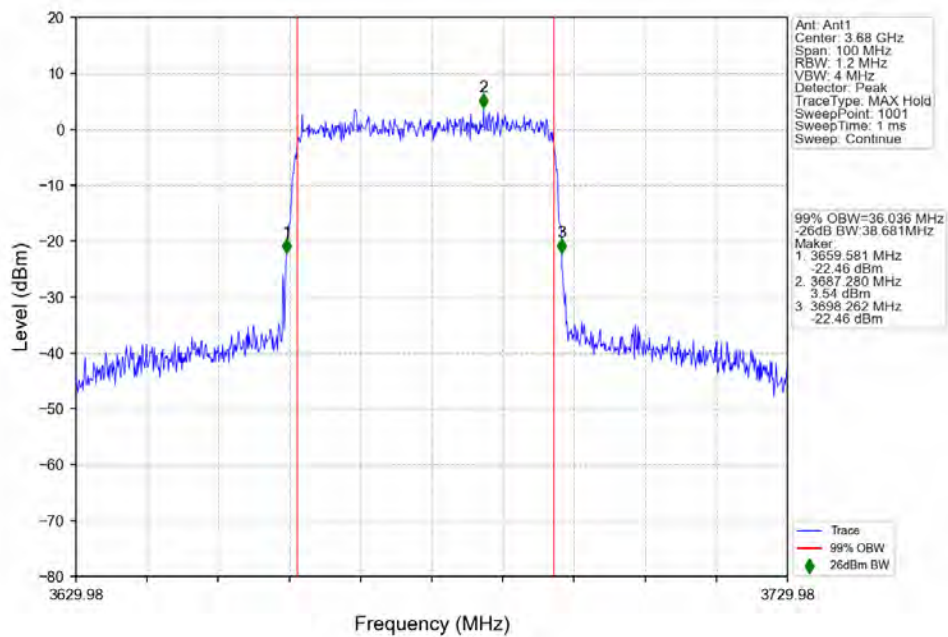
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3570MHz Outer Full



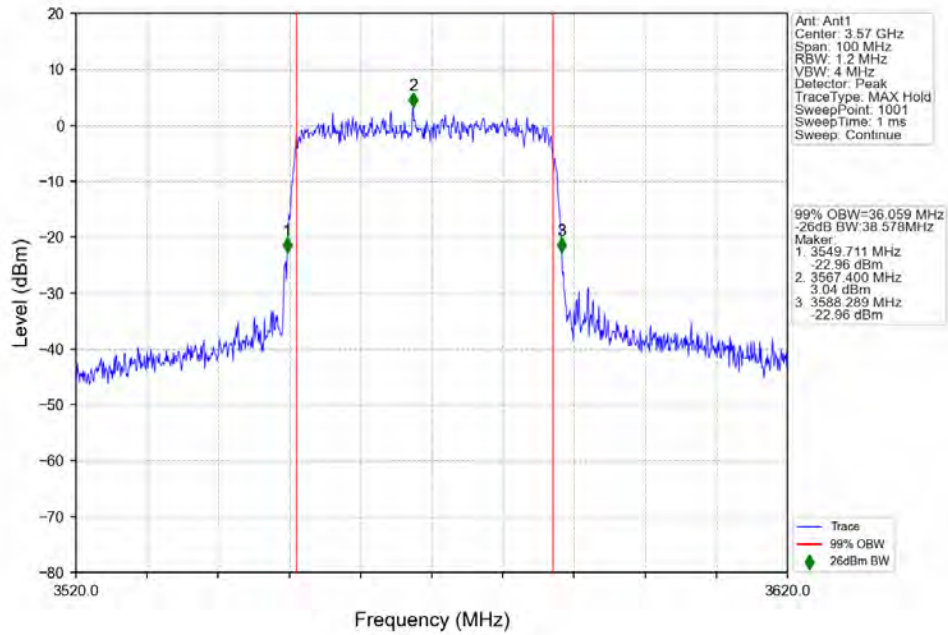
n48 30kHz SISO NTV 40MHz DFT-s-OFDM 16 QAM 3624.99MHz Outer Full



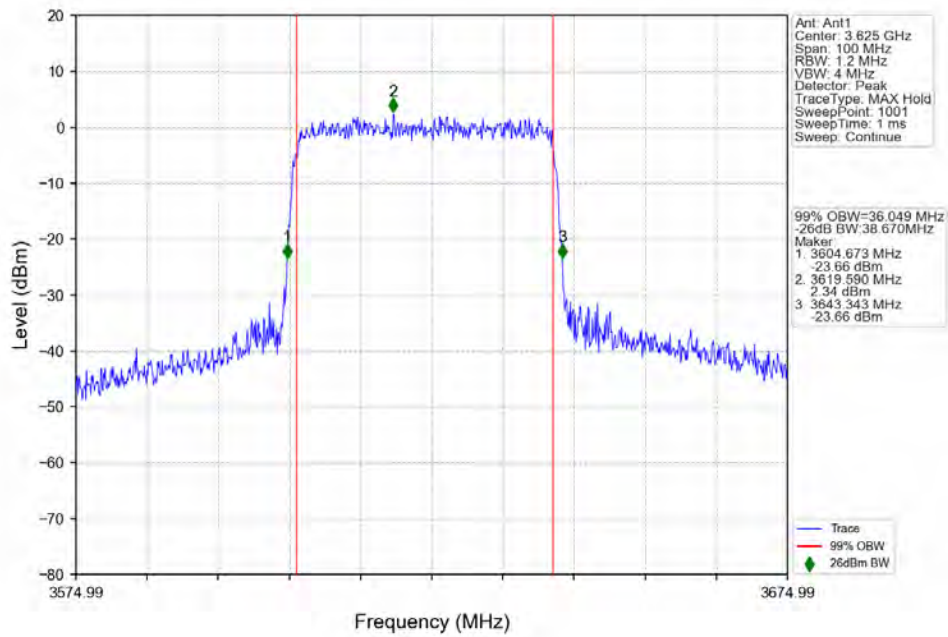
n48 30kHz SISO NTV 40MHz DFT-s-OFDM 16 QAM 3679.98MHz Outer Full



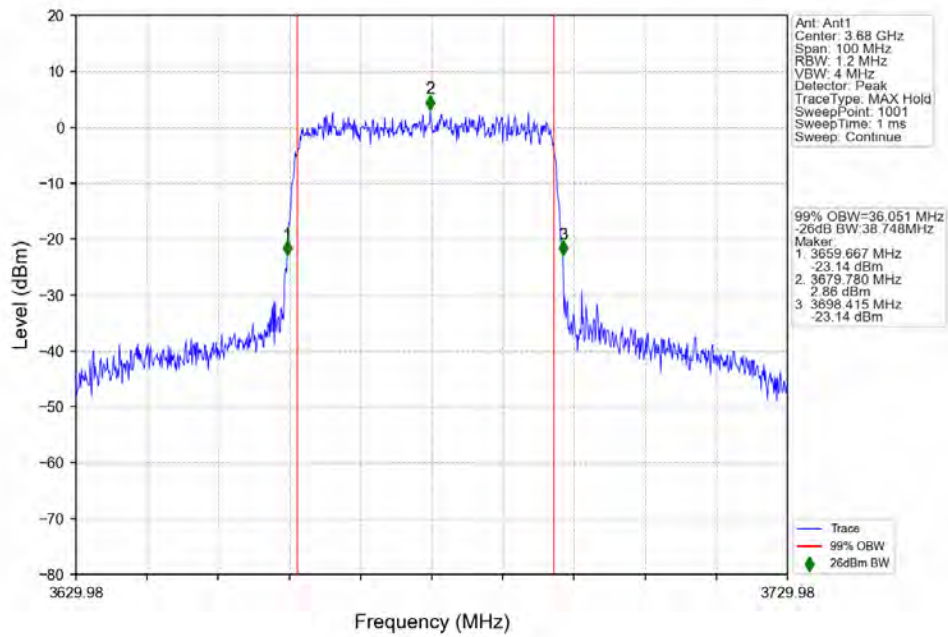
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 64 QAM 3570MHz Outer Full



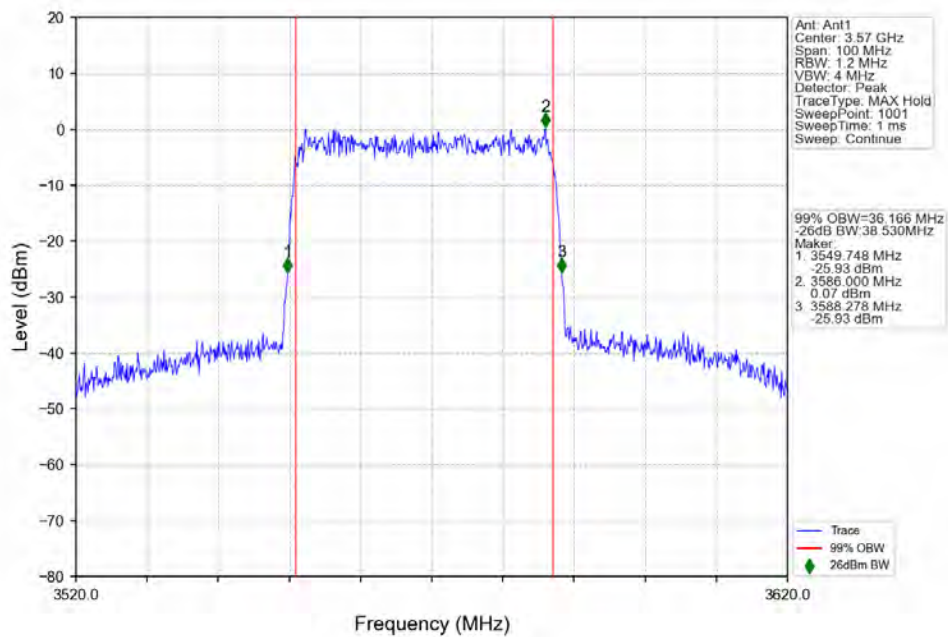
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 64 QAM 3624.99MHz Outer Full



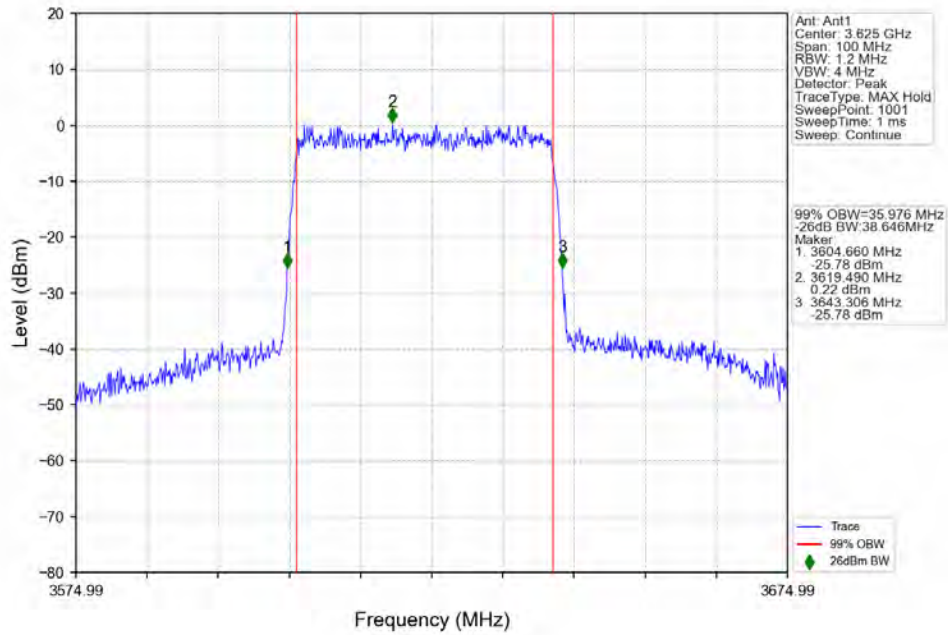
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 64 QAM 3679.98MHz Outer Full



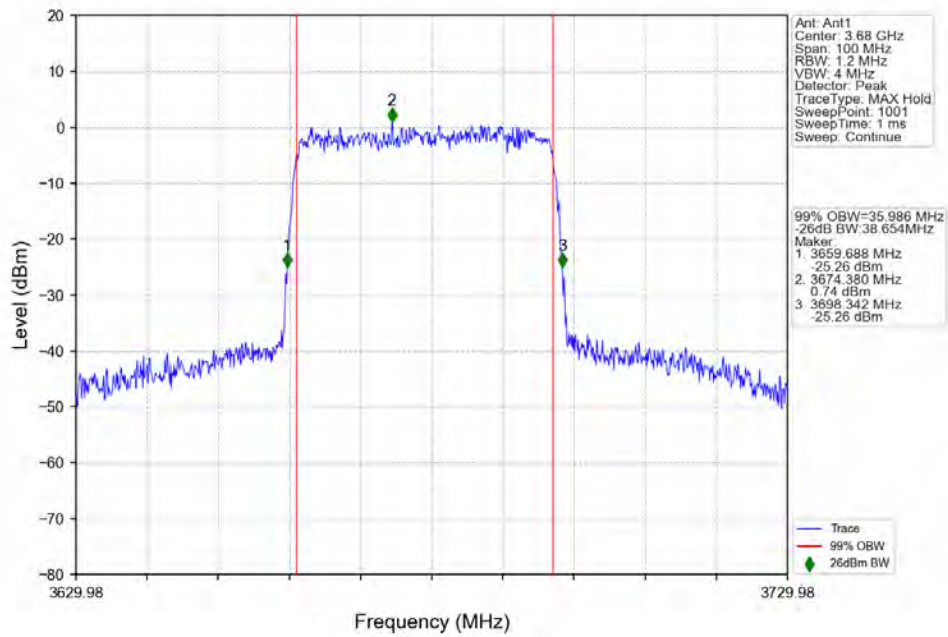
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3570MHz Outer Full



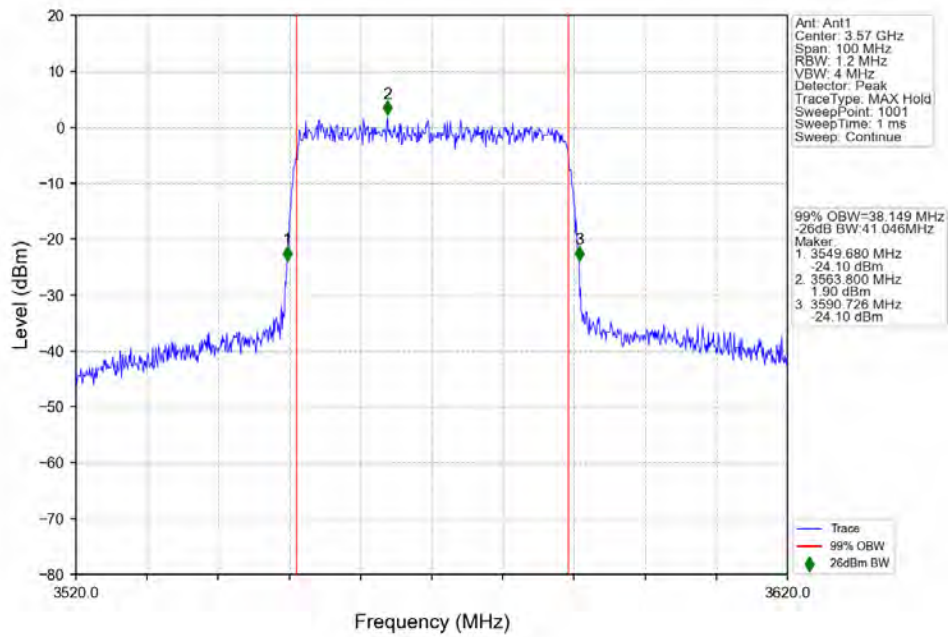
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3624.99MHz Outer Full



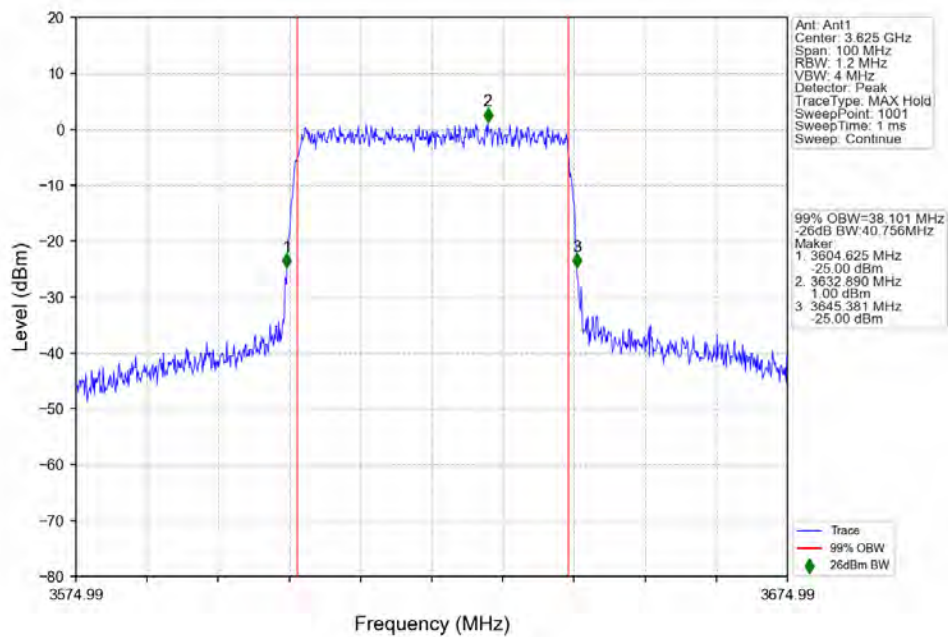
n48 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3679.98MHz Outer Full



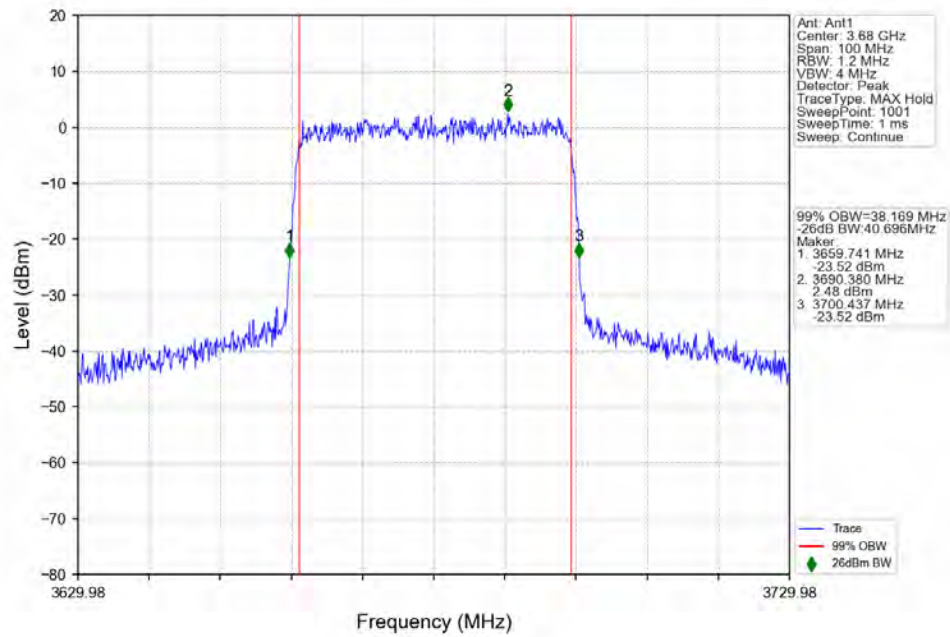
n48 30kHz SISO NTN 40MHz CP-OFDM QPSK 3570MHz Outer Full



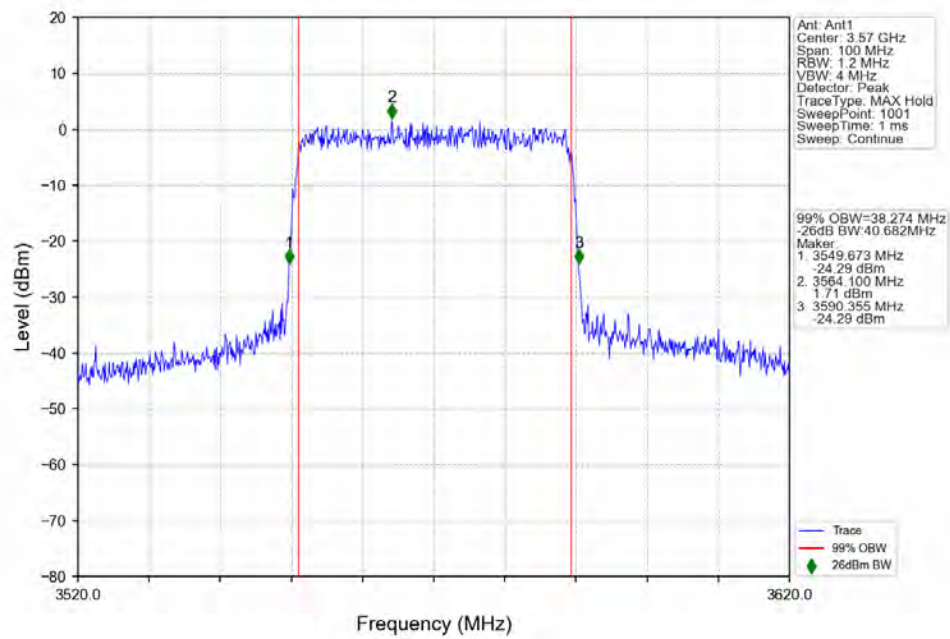
n48 30kHz SISO NTN 40MHz CP-OFDM QPSK 3624.99MHz Outer Full



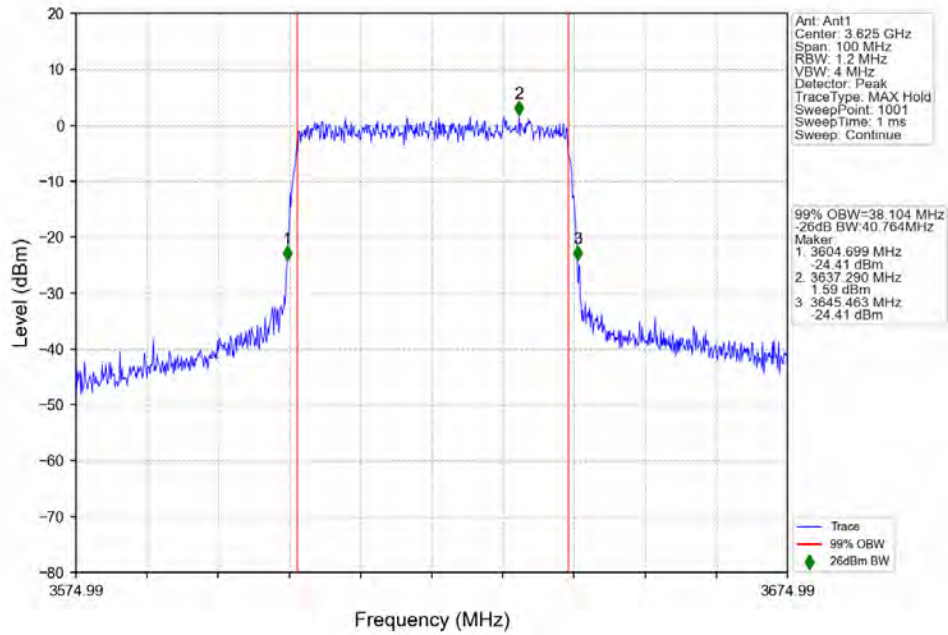
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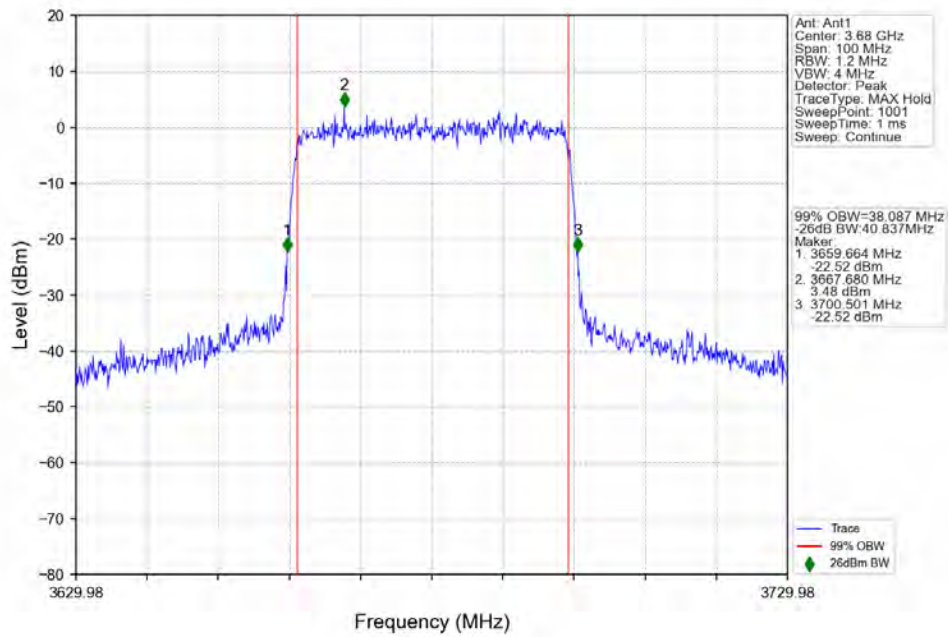
n48 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3570MHz Outer Full



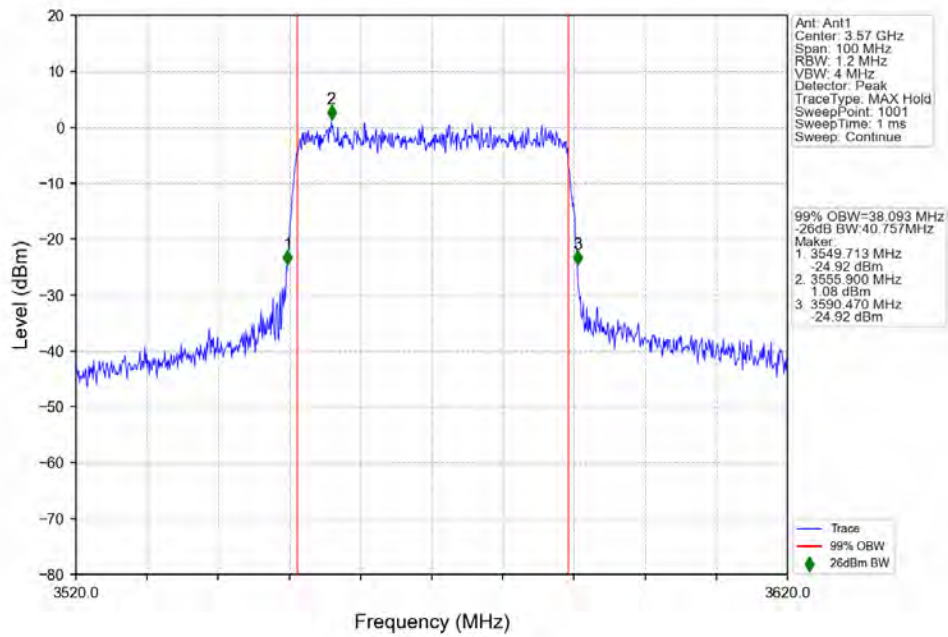
n48 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3624.99MHz Outer Full



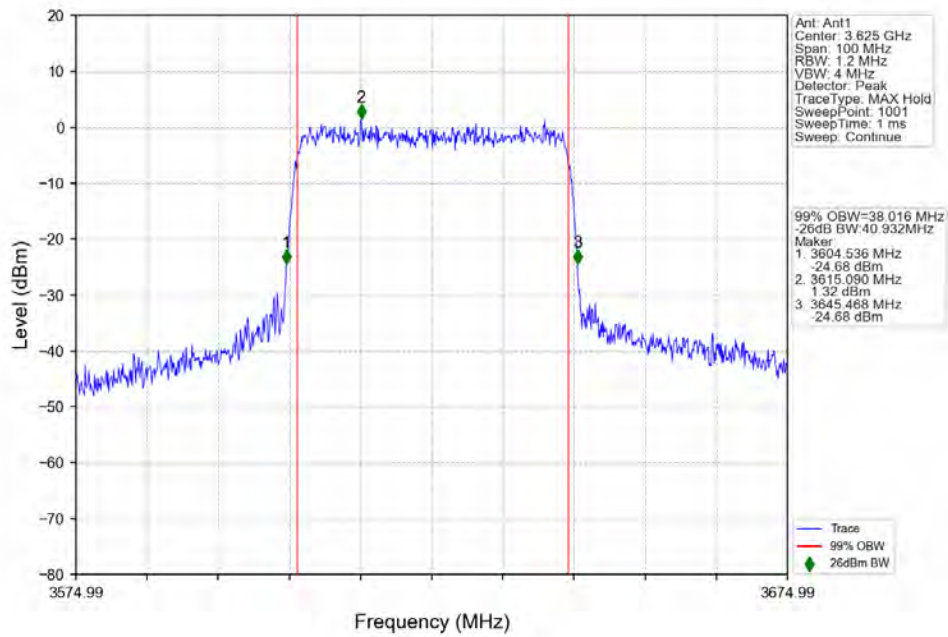
n48 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3679.98MHz Outer Full



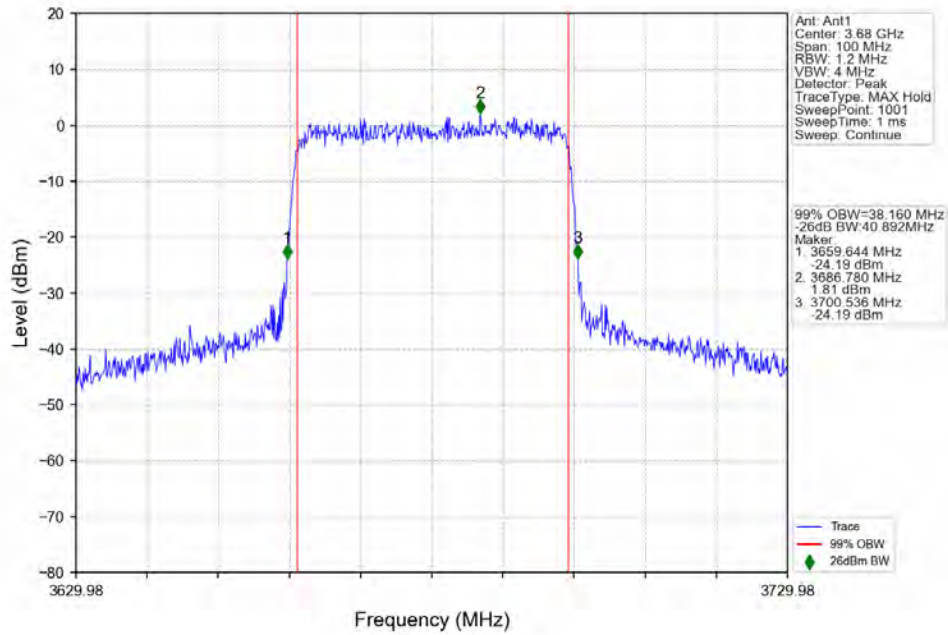
n48 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3570MHz Outer Full



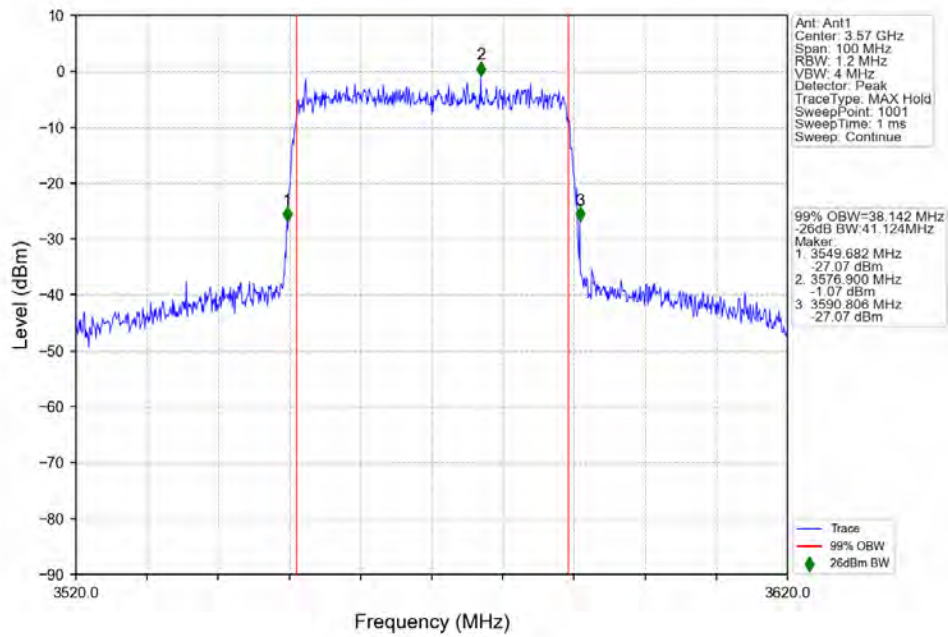
n48 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3624.99MHz Outer Full



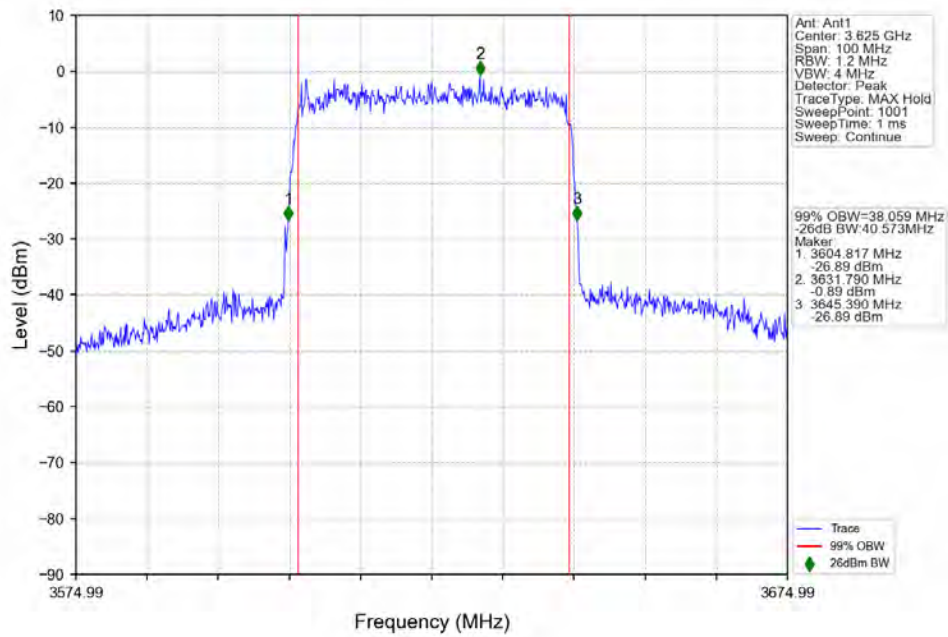
n48 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3679.98MHz Outer Full



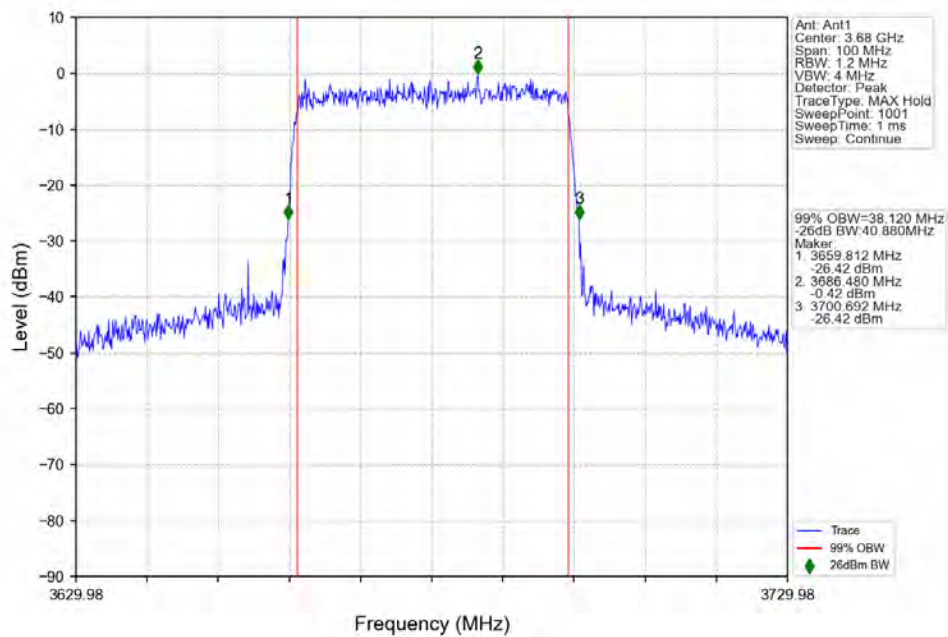
n48 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3570MHz Outer Full



n48 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3624.99MHz Outer Full



n48 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3679.98MHz Outer Full



UL 48C - LTE

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	27.756	29.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	27.613	29.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	27.824	29.25	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	27.728	29.08	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	27.702	29.08	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	27.724	29.08	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	27.717	29.08	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	27.716	29.08	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	27.723	29.17	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	27.715	29.08	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	27.724	29.08	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	27.727	29.08	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	32.718	34.00	PASS

48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	32.627	34.00	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	32.656	34.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	32.592	34.17	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	32.579	34.17	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	32.593	34.17	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	32.584	34.17	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	32.591	34.17	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	32.619	34.17	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	32.608	34.17	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	32.597	34.17	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	32.598	34.17	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	27.714	29.42	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	27.759	29.17	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	27.777	29.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	27.738	29.17	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	27.757	29.17	PASS

48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	27.732	29.25	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	27.743	29.17	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	27.734	29.17	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	27.767	29.17	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	27.742	29.17	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	100RB#0-50RB#0	27.734	29.17	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	27.744	29.17	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	32.565	34.08	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	32.534	34.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	32.671	34.08	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	32.609	34.17	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	32.597	34.08	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	32.592	34.17	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	32.604	34.17	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	32.615	34.17	PASS
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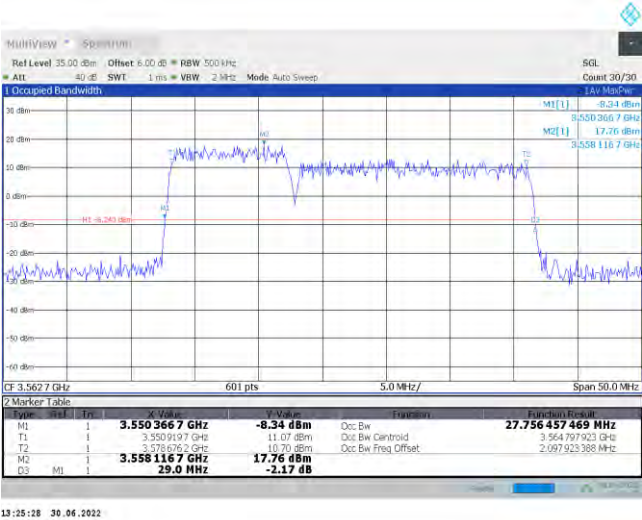
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48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	32.61	34.17	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	37.724	40.13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	37.813	40.27	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	37.935	40.27	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	37.743	40.40	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	37.712	40.27	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	37.742	40.40	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	37.74	40.27	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	37.738	40.27	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	37.738	40.27	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	37.766	40.27	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	37.709	40.27	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	37.714	40.27	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.988	24.25	PASS

48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	22.905	24.17	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.924	24.17	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	22.909	24.17	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	22.939	24.17	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	22.914	24.17	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	22.942	24.17	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	22.929	24.25	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	22.919	24.17	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	22.92	24.25	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	22.936	24.17	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	22.923	24.17	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.884	24.25	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	22.833	24.00	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.794	24.08	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	22.888	24.08	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	22.879	24.08	PASS

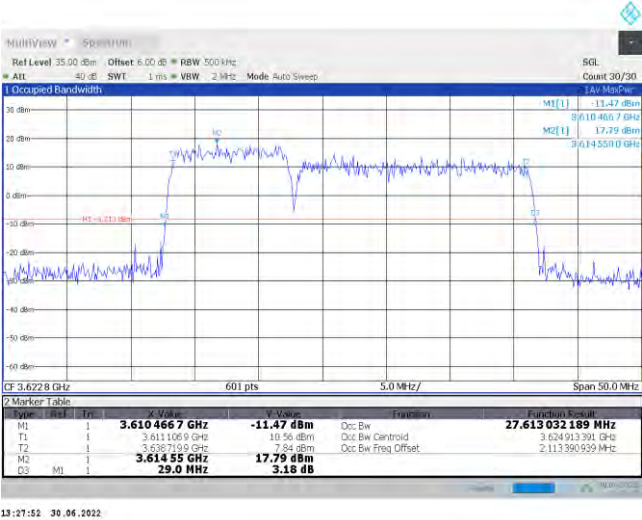
48-48	5MHz- 20MHz	16QAM- 16QAM	56523- 56640	25RB#0- 100RB#0	22.891	24.08	PASS
48-48	5MHz- 20MHz	64QAM- 64QAM	55273- 55390	25RB#0- 100RB#0	22.895	24.08	PASS
48-48	5MHz- 20MHz	64QAM- 64QAM	55898- 56015	25RB#0- 100RB#0	22.885	24.17	PASS
48-48	5MHz- 20MHz	64QAM- 64QAM	56523- 56640	25RB#0- 100RB#0	22.876	24.08	PASS
48-48	5MHz- 20MHz	256QAM- 256QAM	55273- 55390	25RB#0- 100RB#0	22.907	24.08	PASS
48-48	5MHz- 20MHz	256QAM- 256QAM	55898- 56015	25RB#0- 100RB#0	22.871	24.17	PASS
48-48	5MHz- 20MHz	256QAM- 256QAM	56523- 56640	25RB#0- 100RB#0	22.883	24.08	PASS

Test Graphs

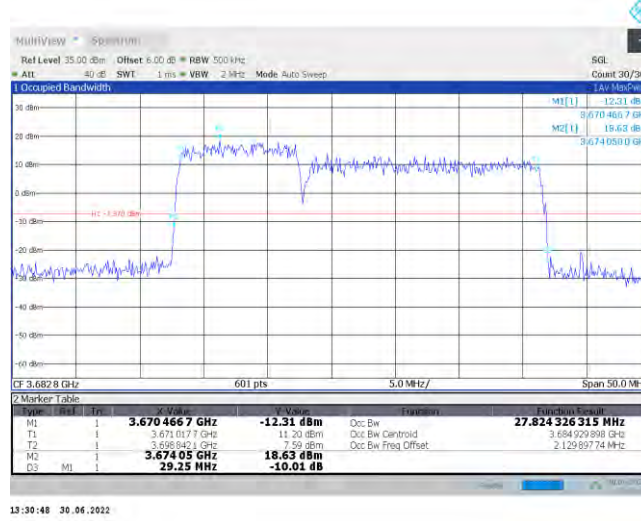
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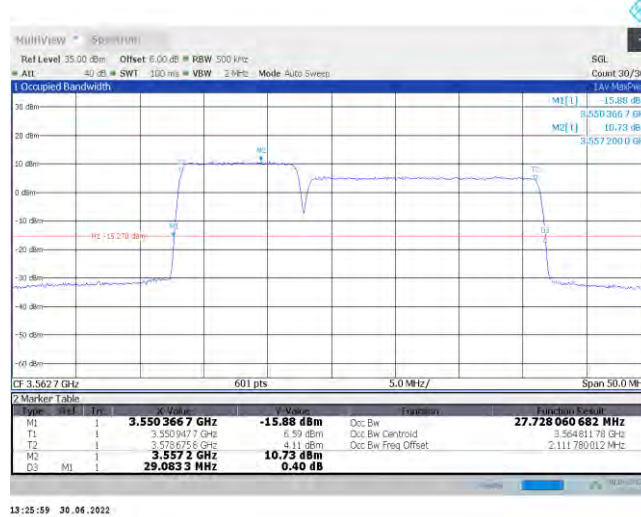
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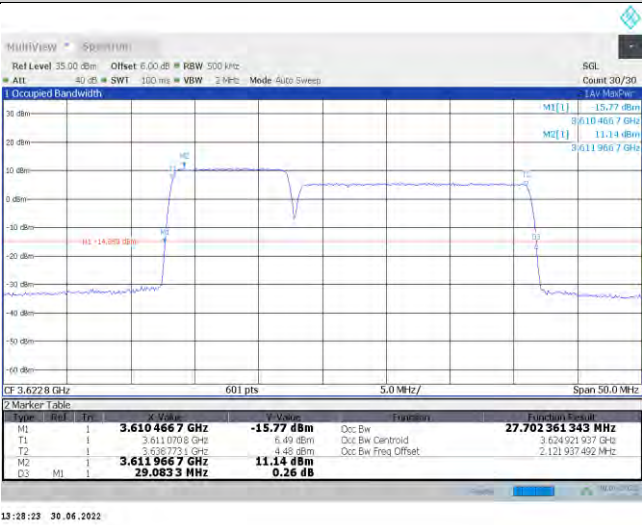
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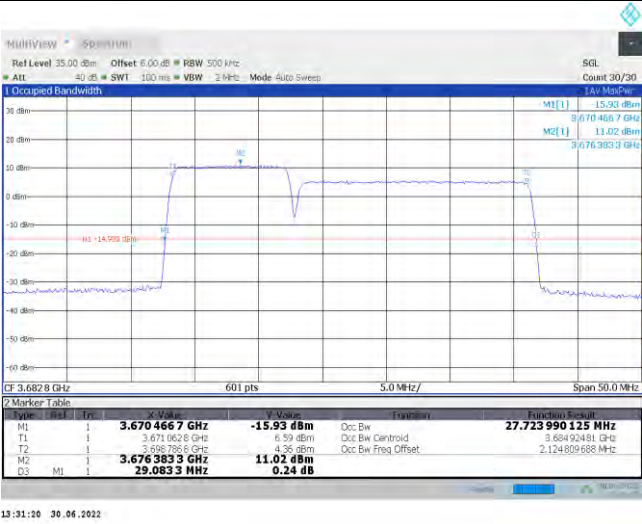
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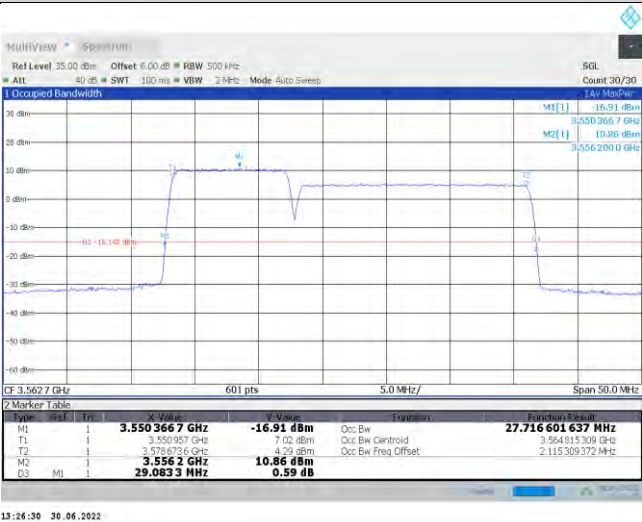
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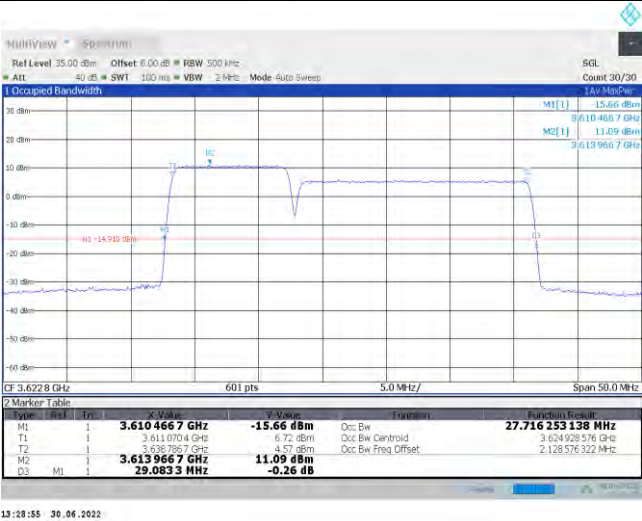
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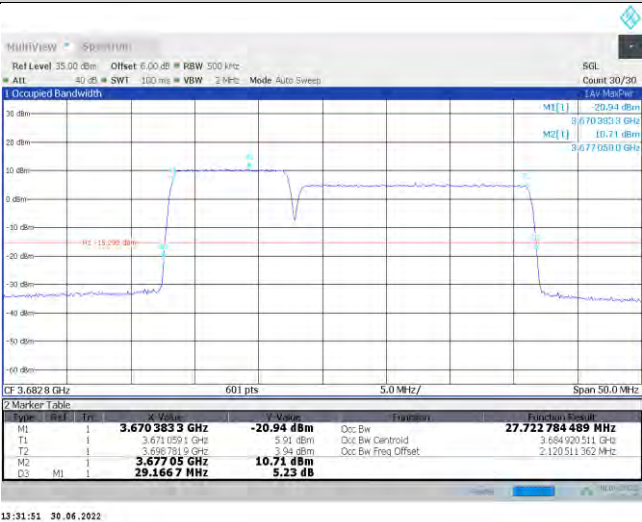
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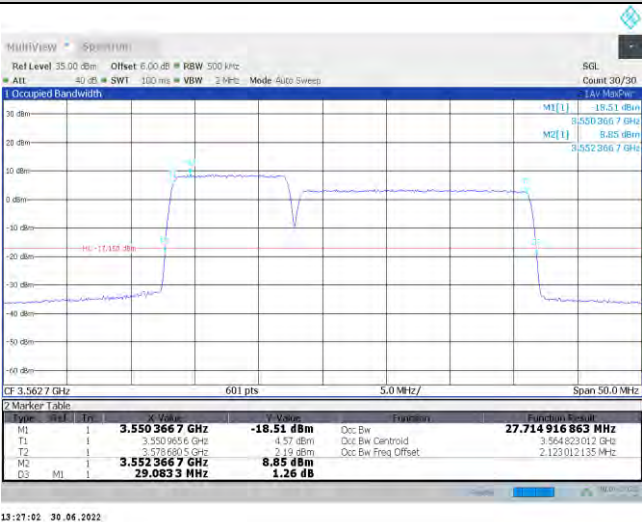
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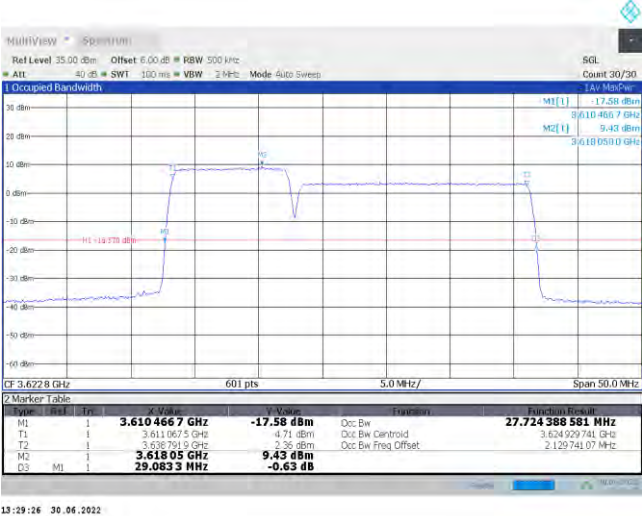
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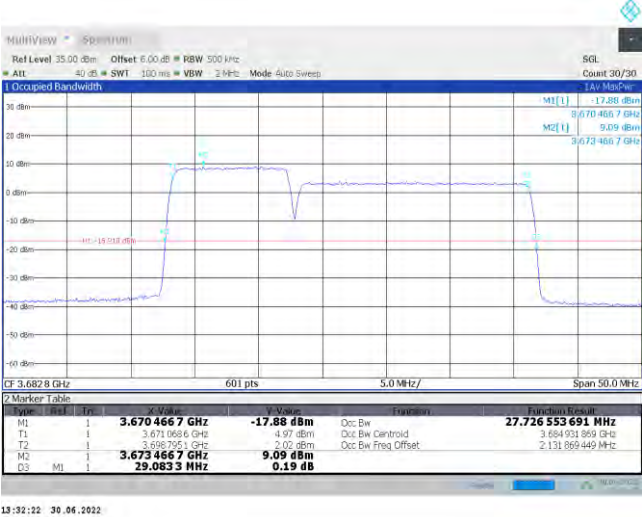
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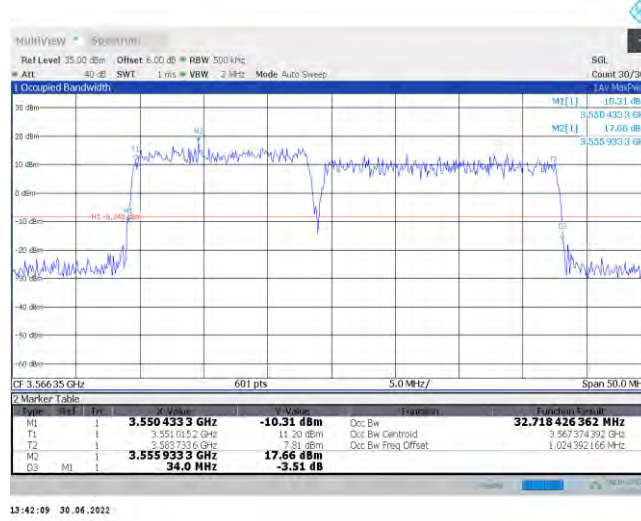
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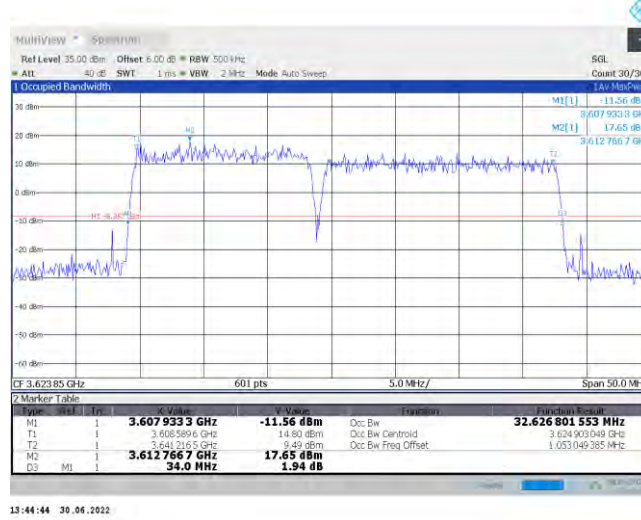
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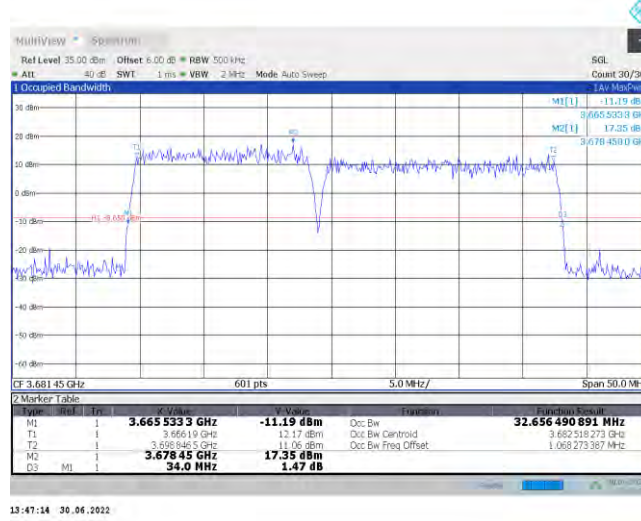
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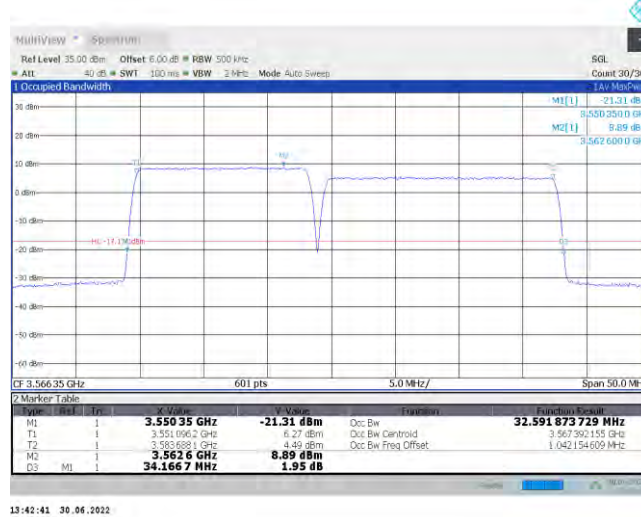
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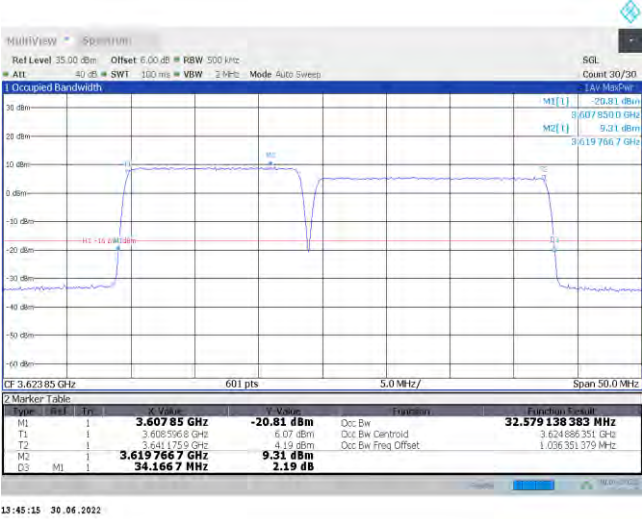
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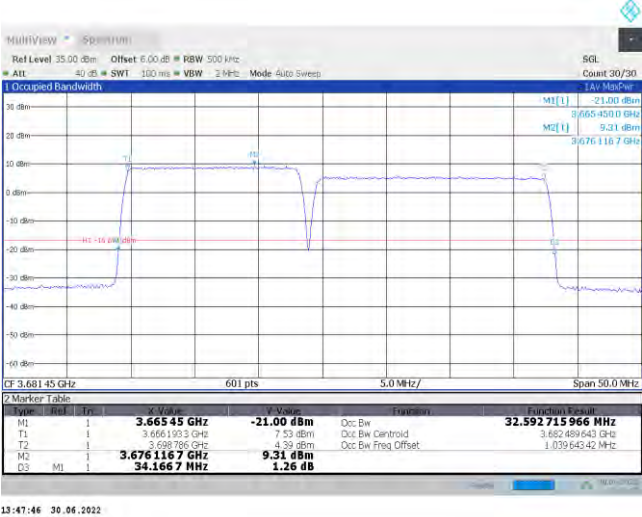
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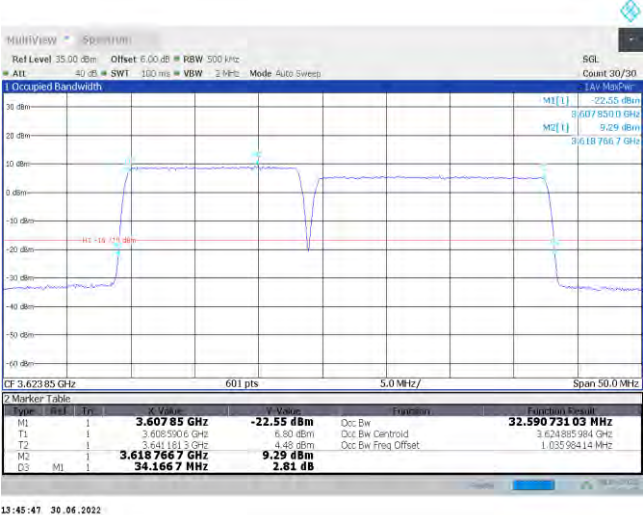
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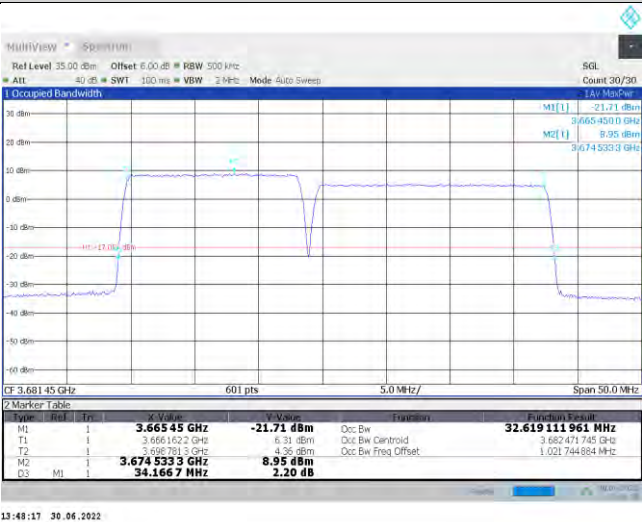
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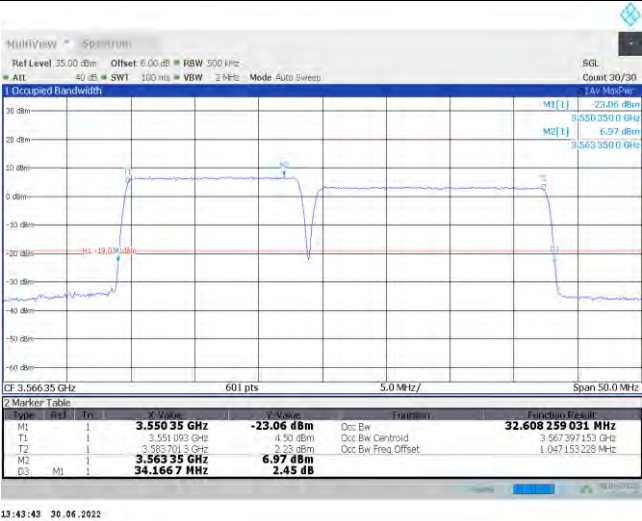
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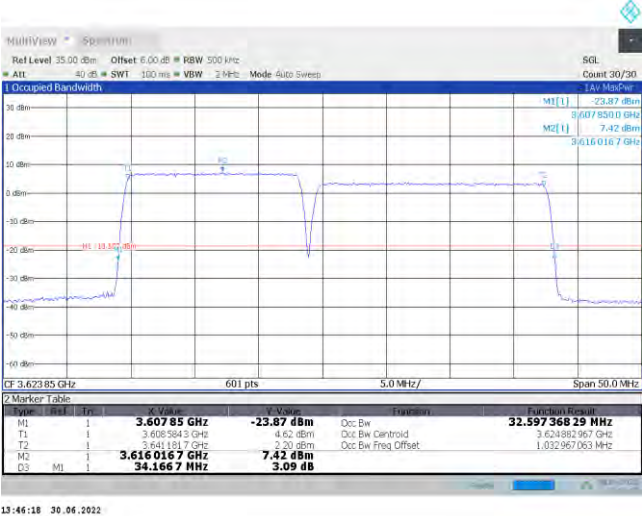
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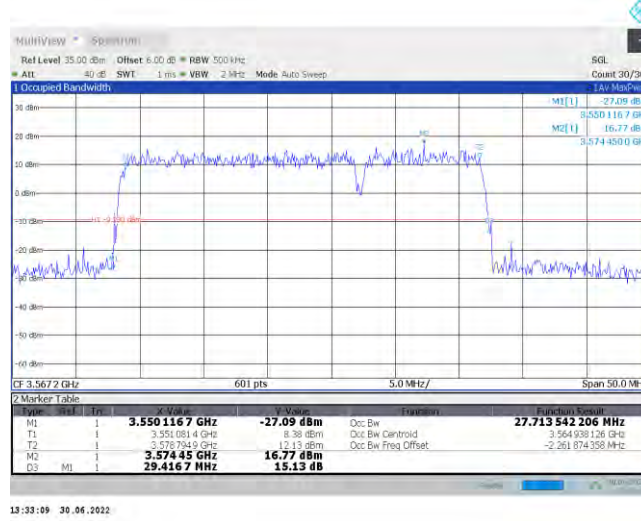
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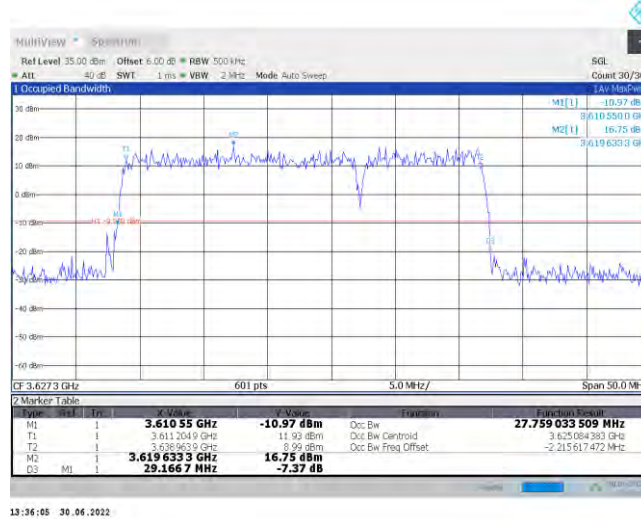
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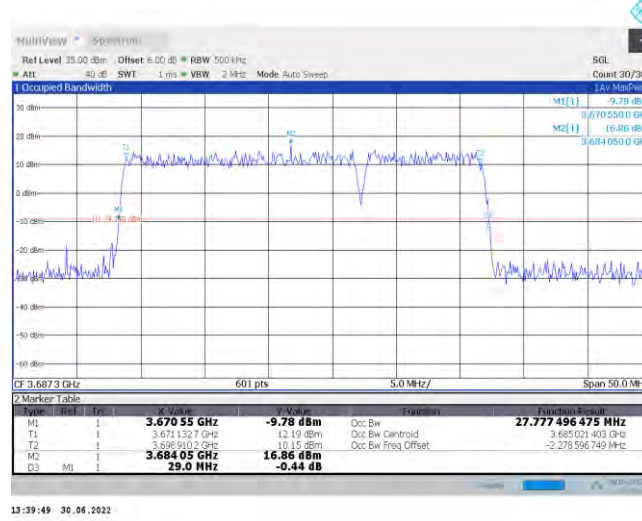
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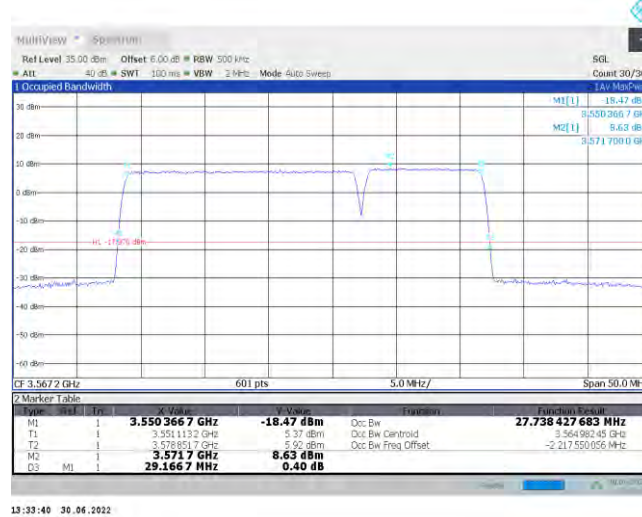
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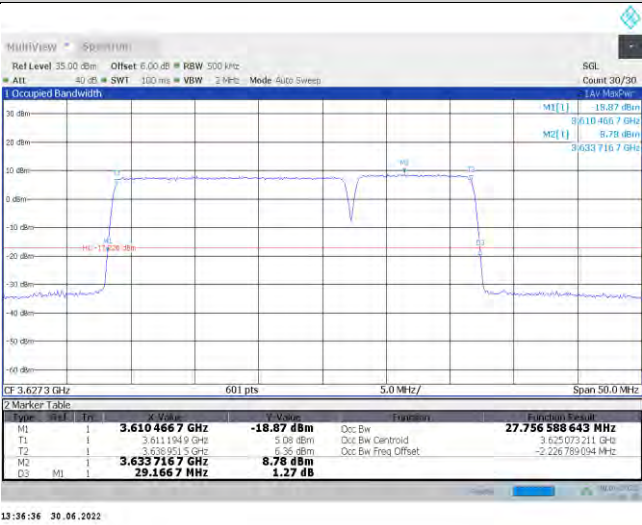
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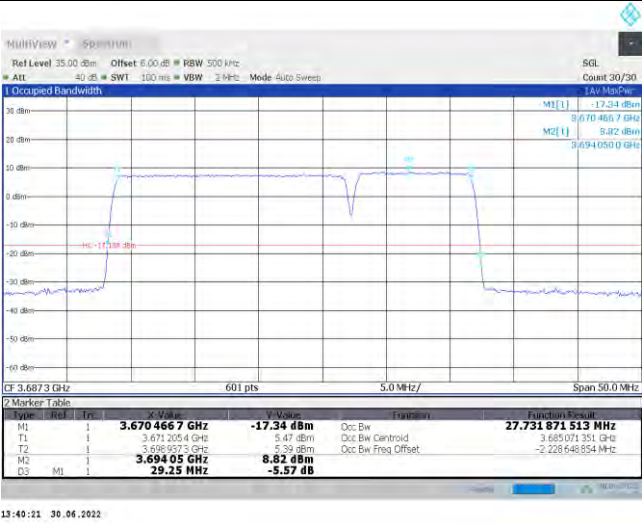
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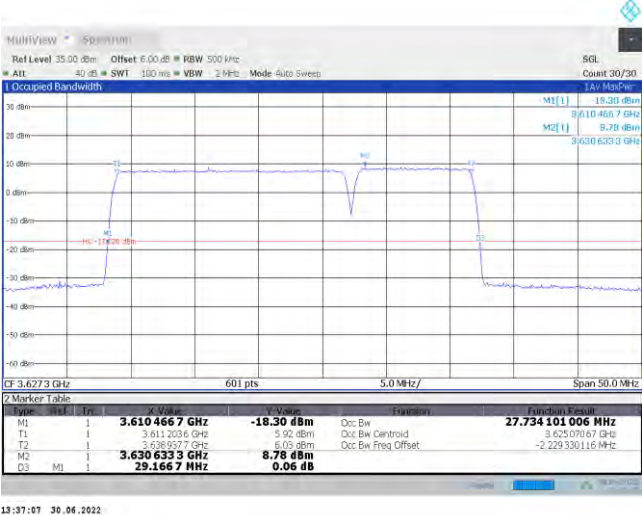
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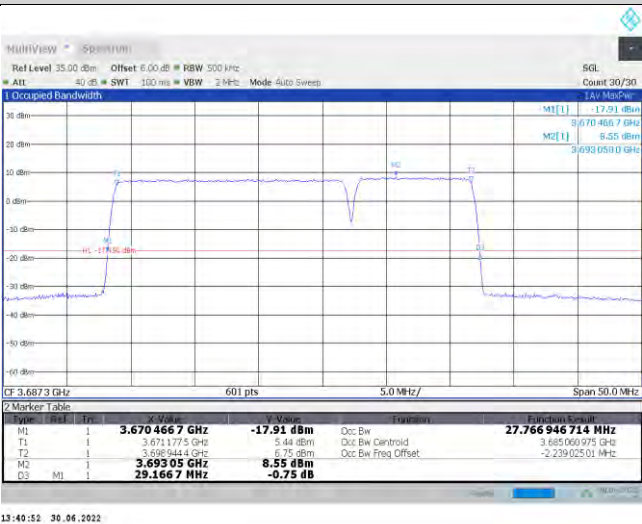
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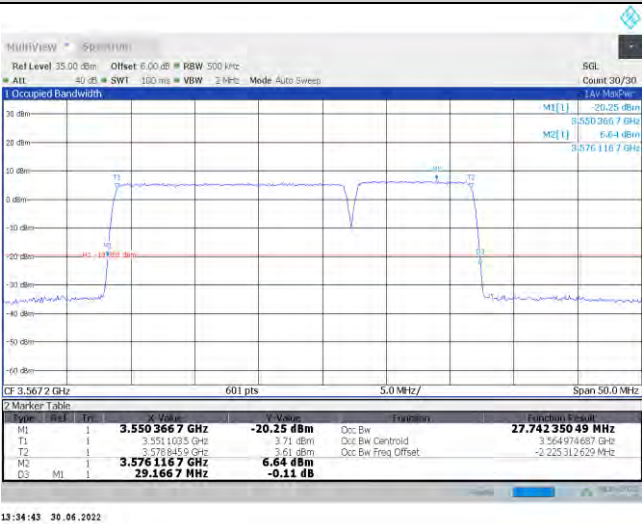
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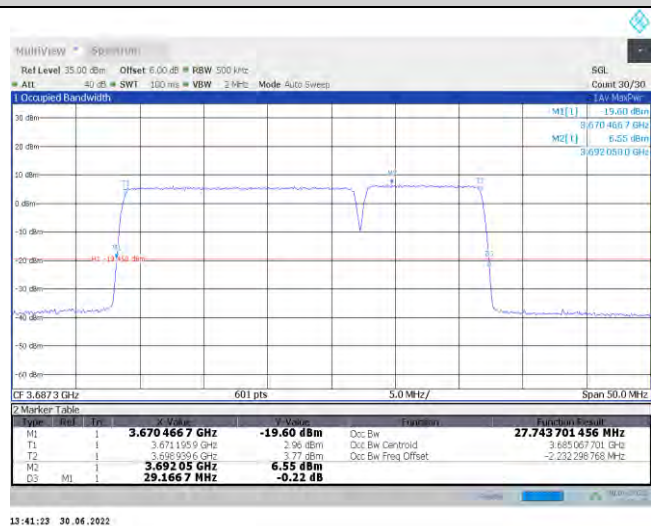
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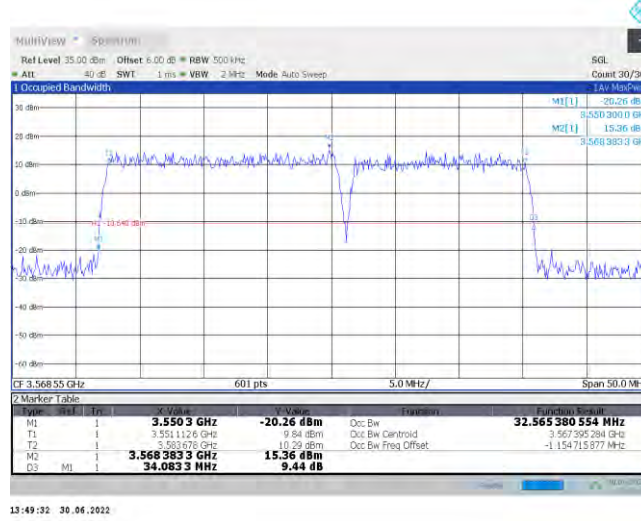
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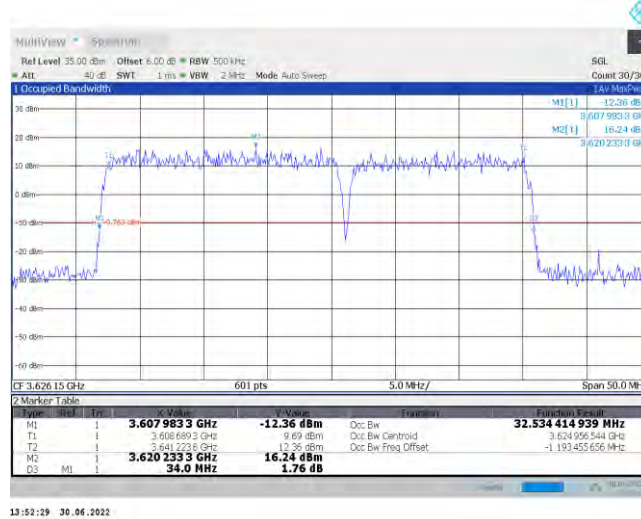
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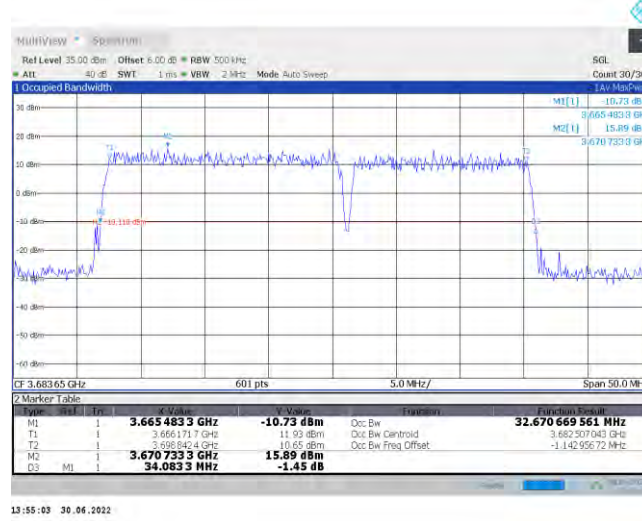
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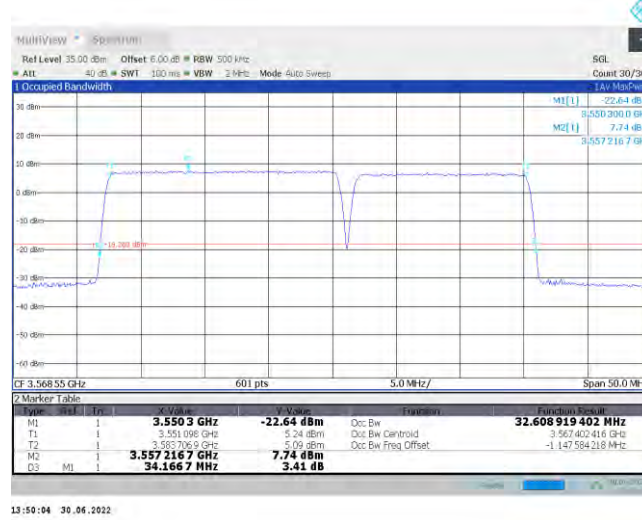
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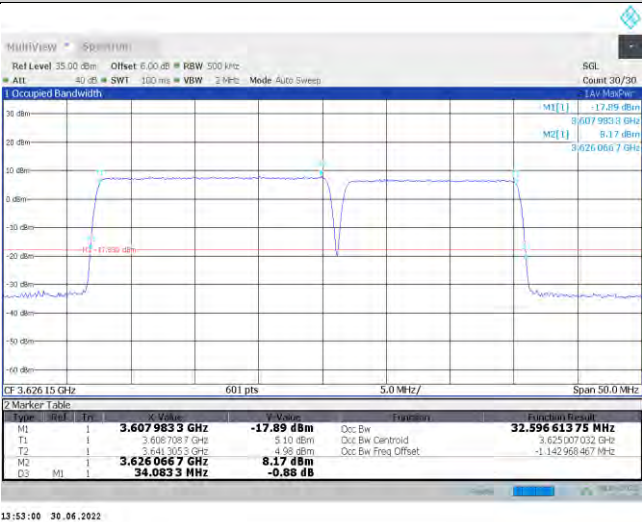
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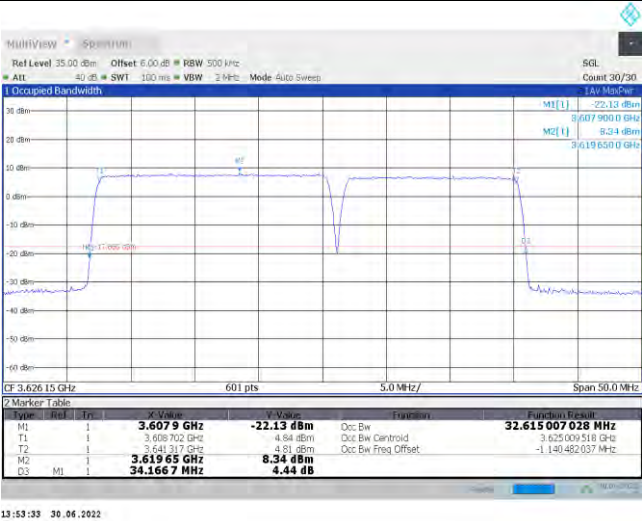
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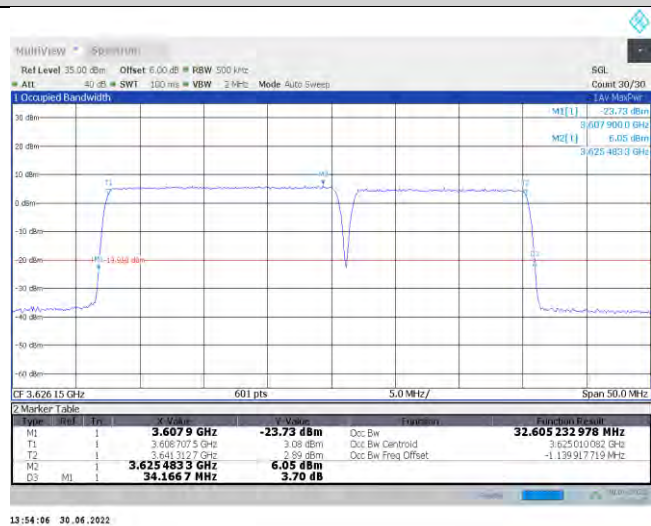
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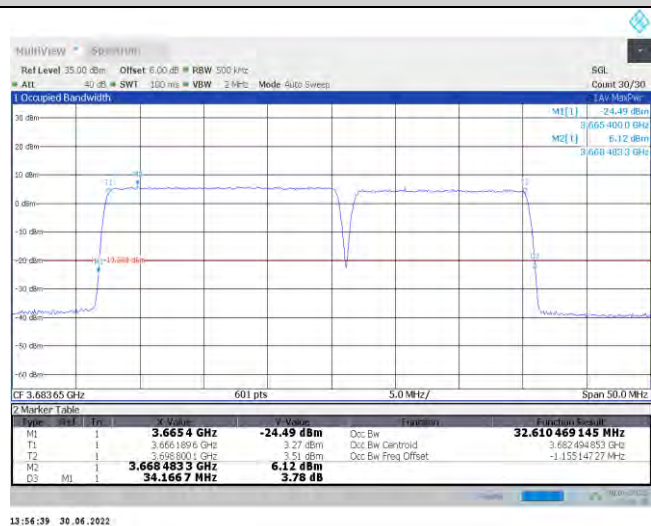
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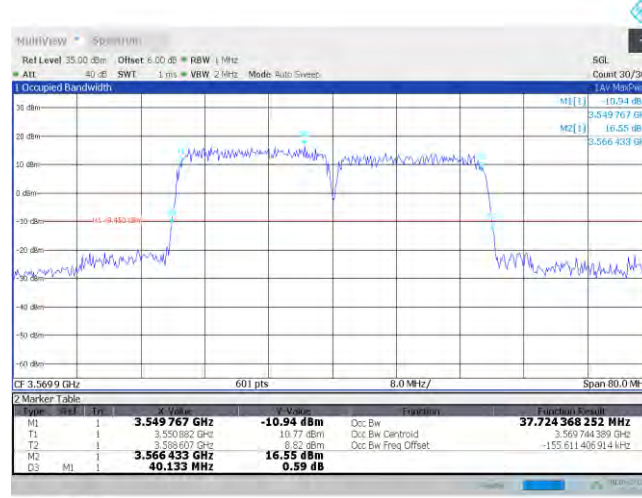
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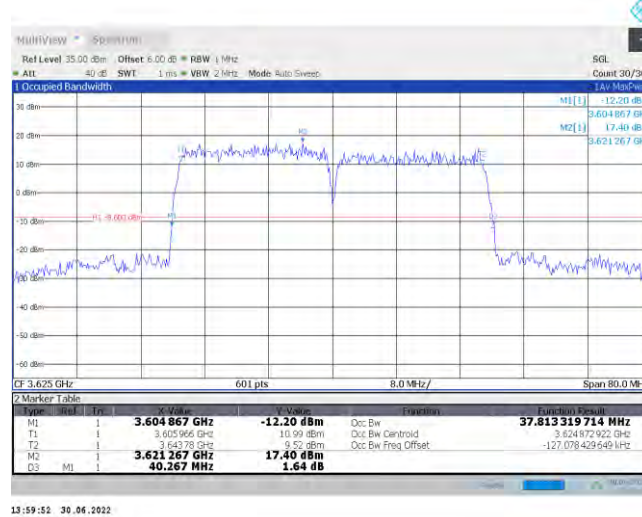
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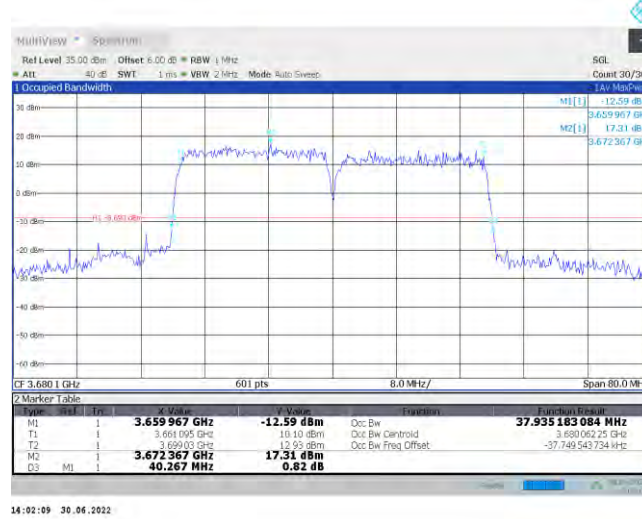
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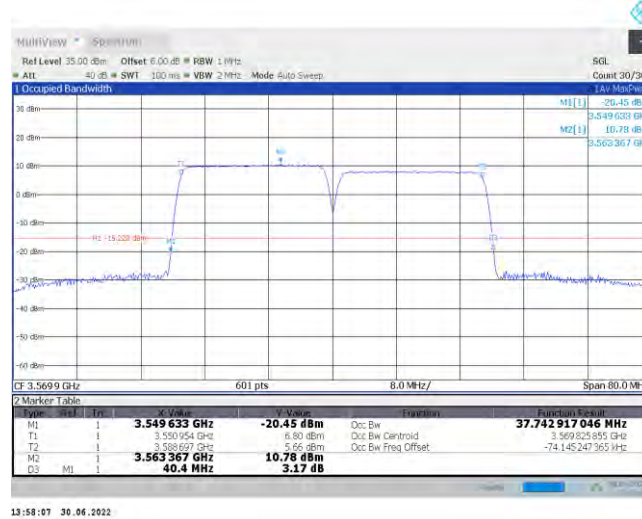
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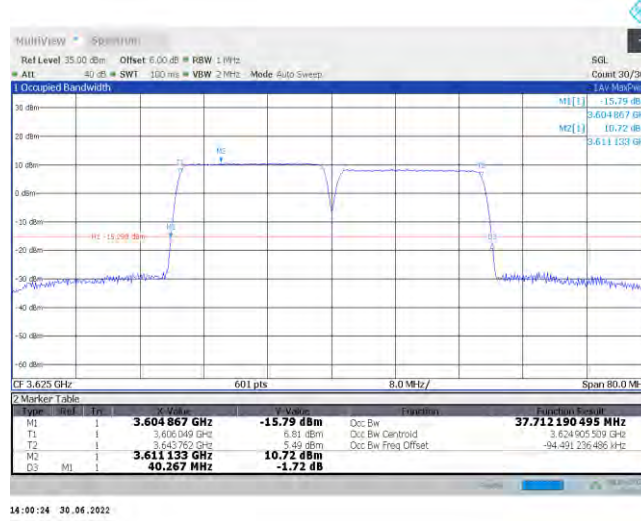
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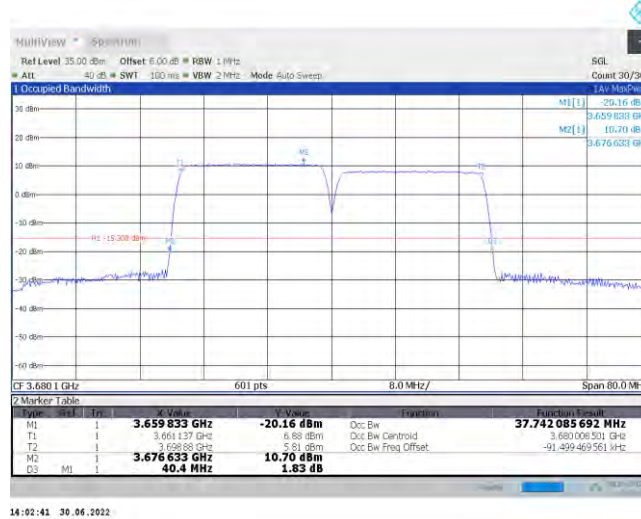
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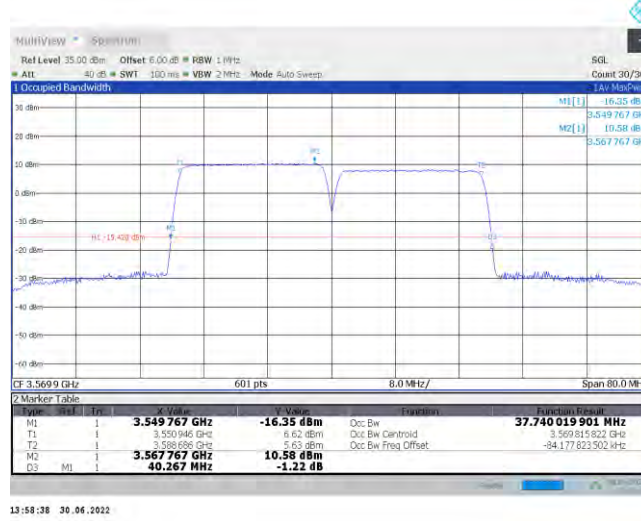
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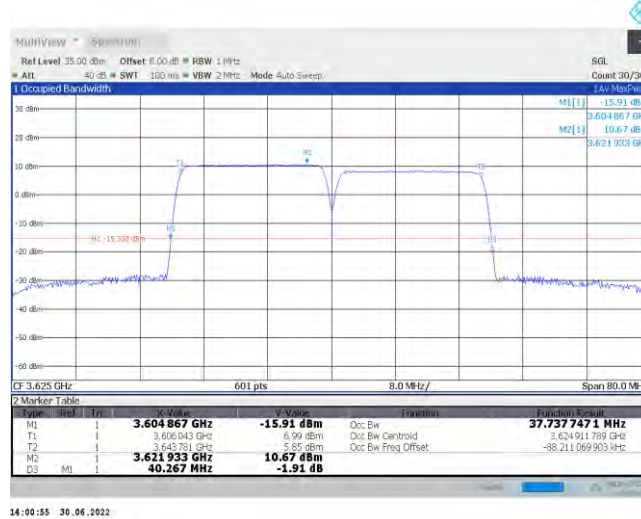
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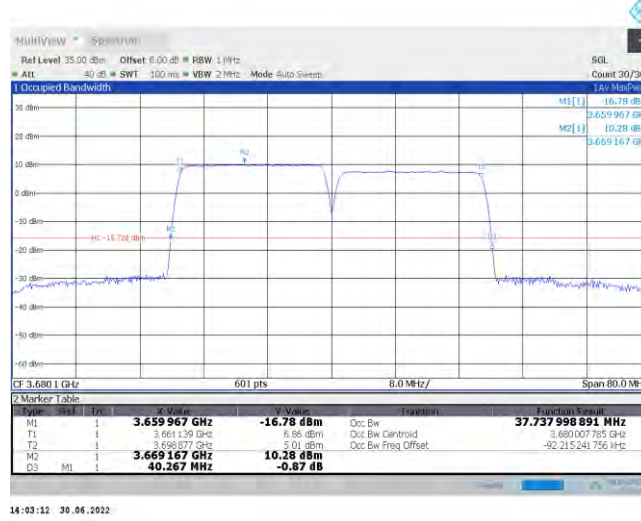
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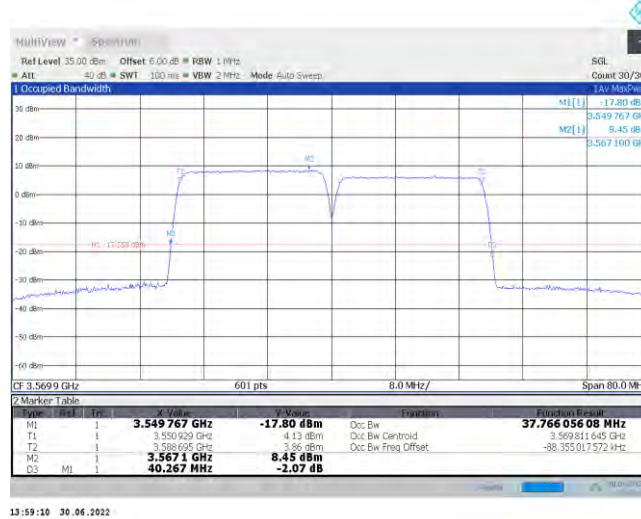
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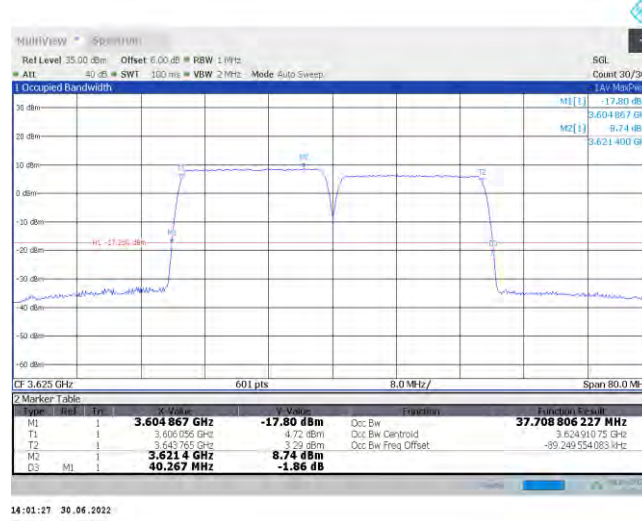
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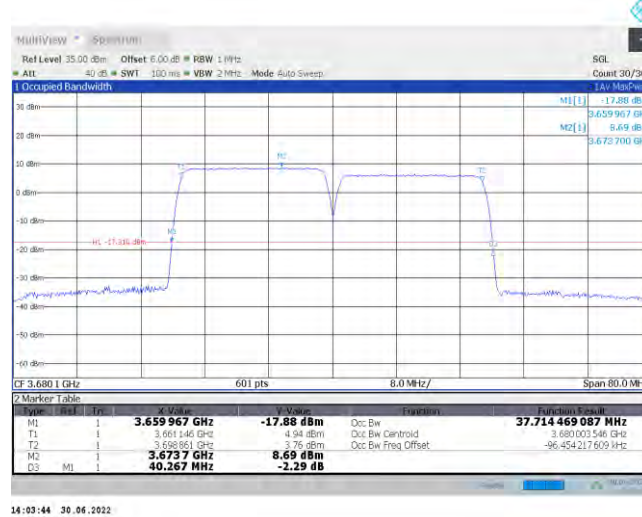
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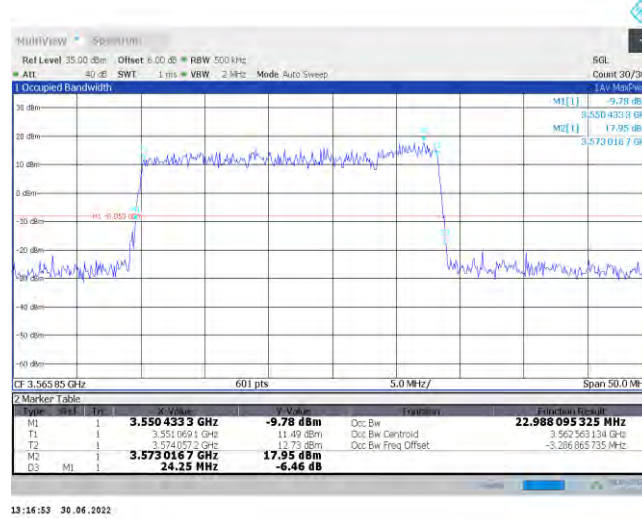
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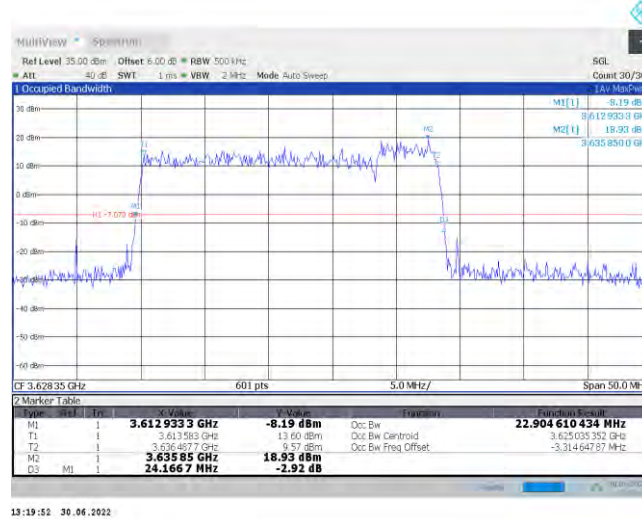
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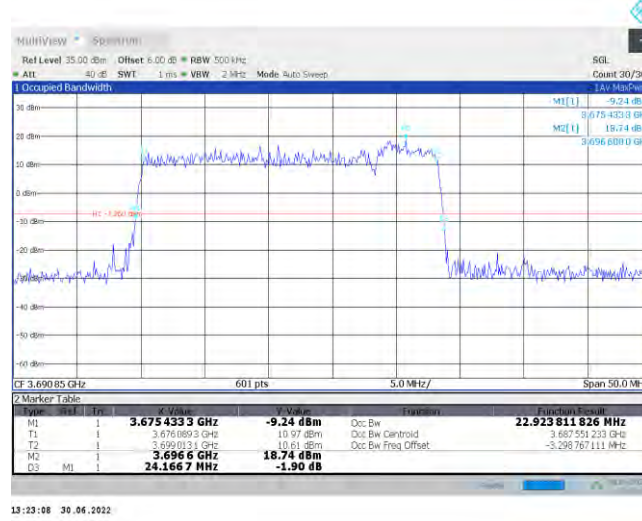
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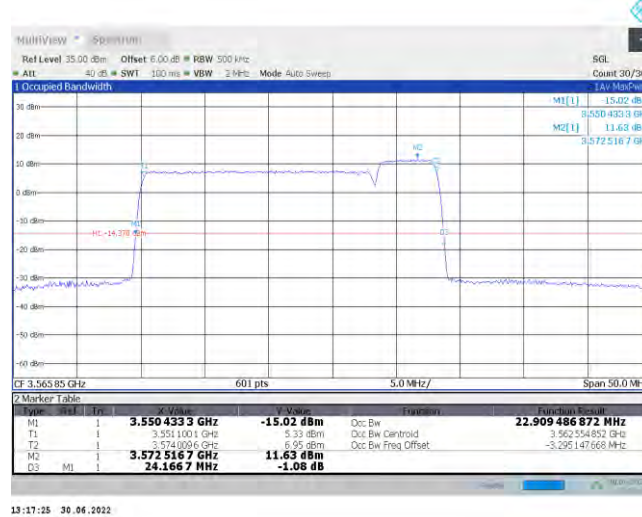
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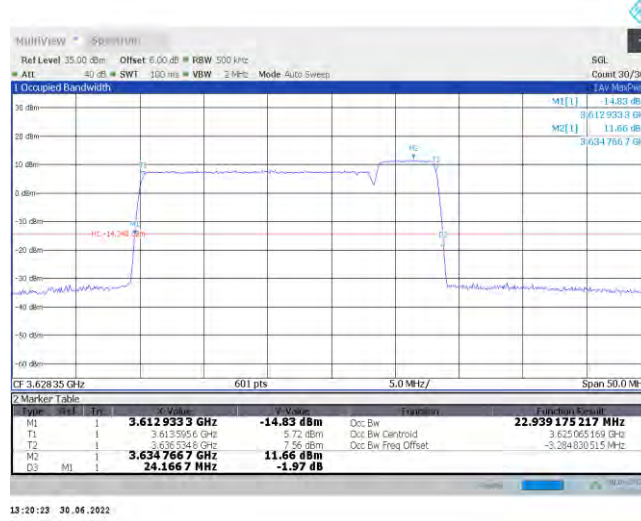
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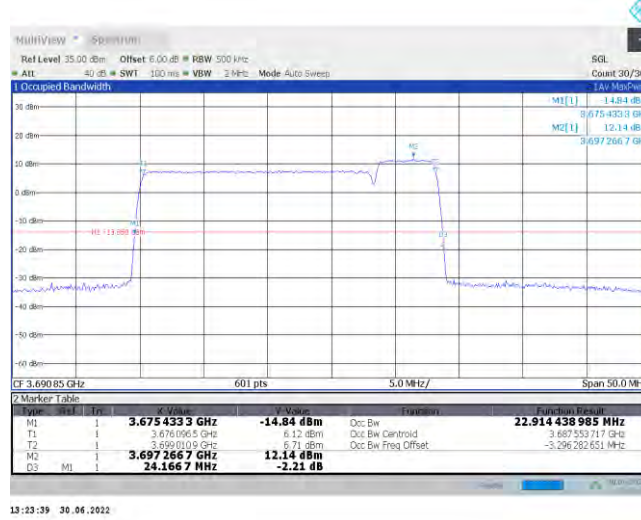
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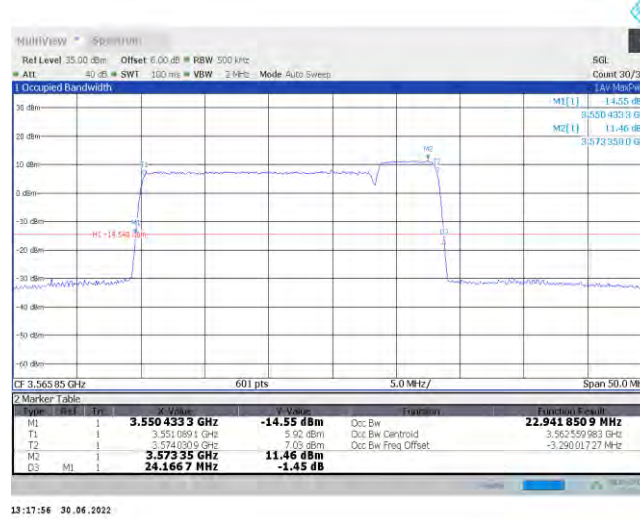
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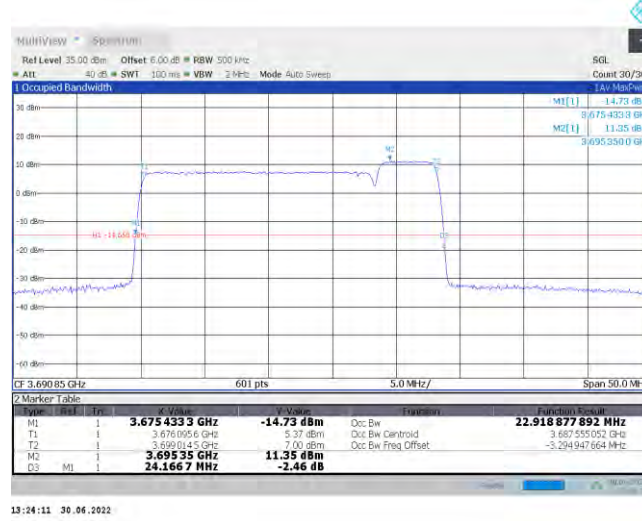
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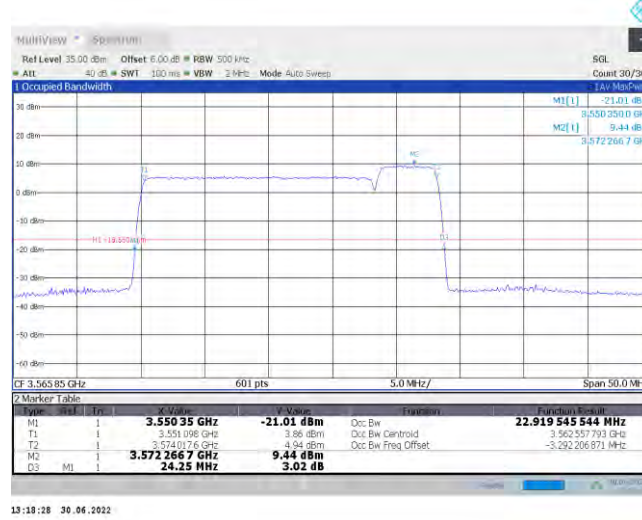
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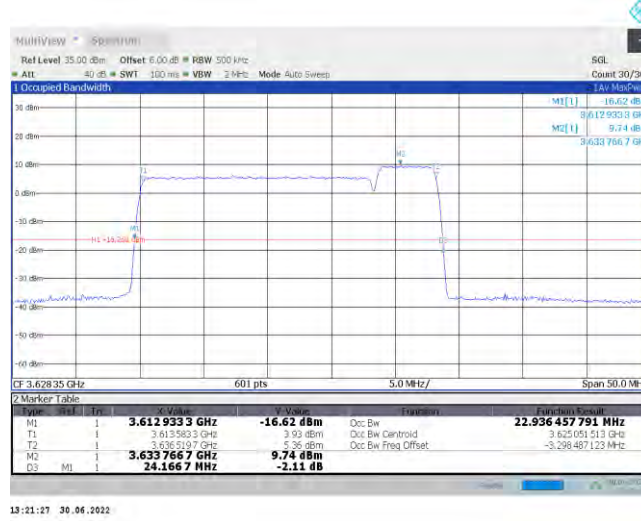
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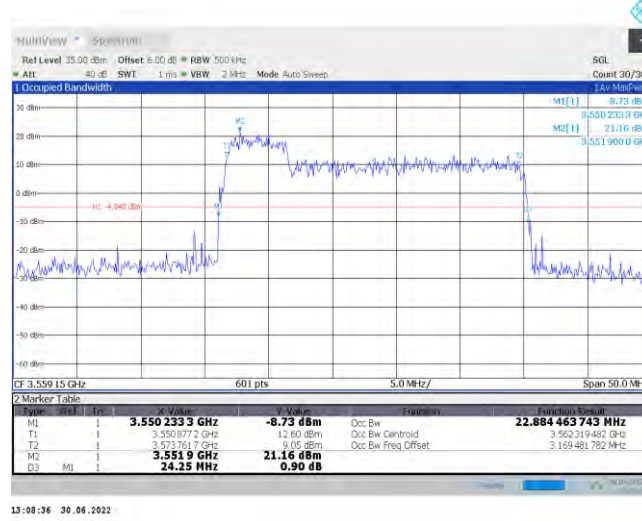
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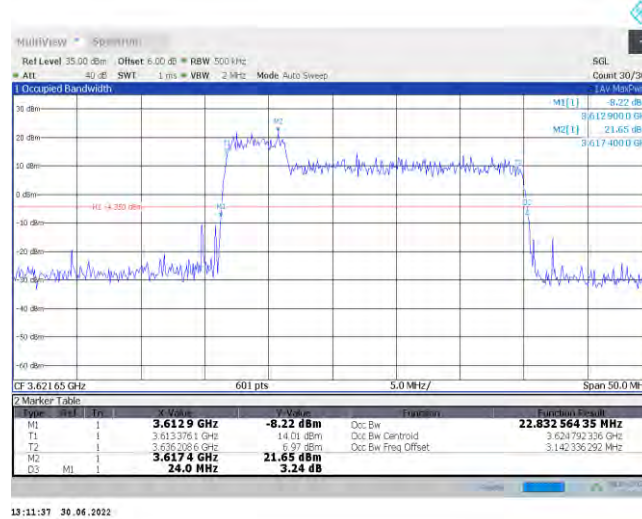
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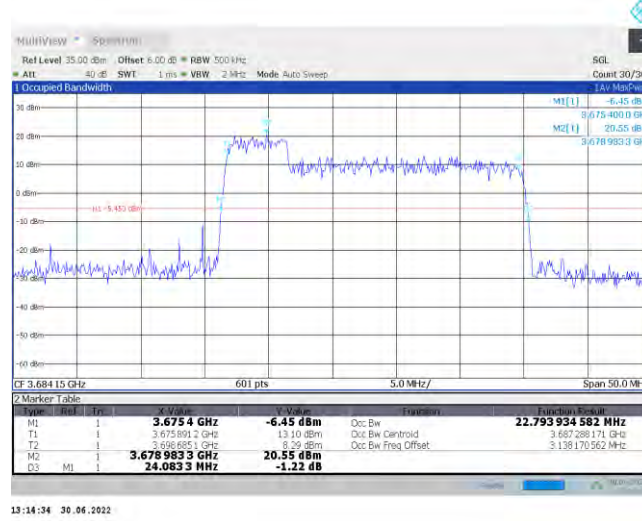
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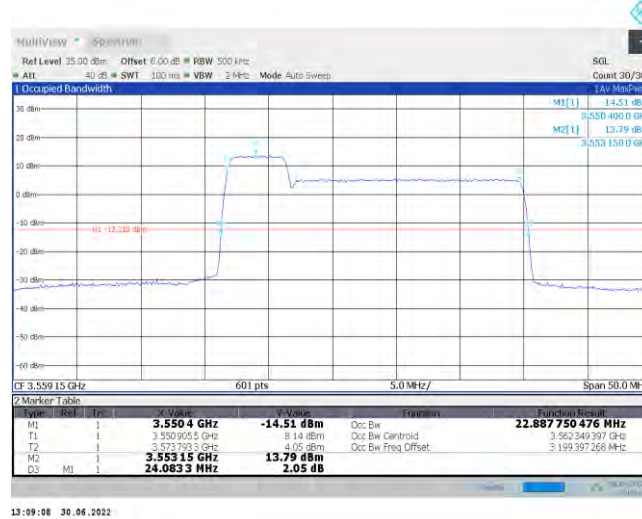
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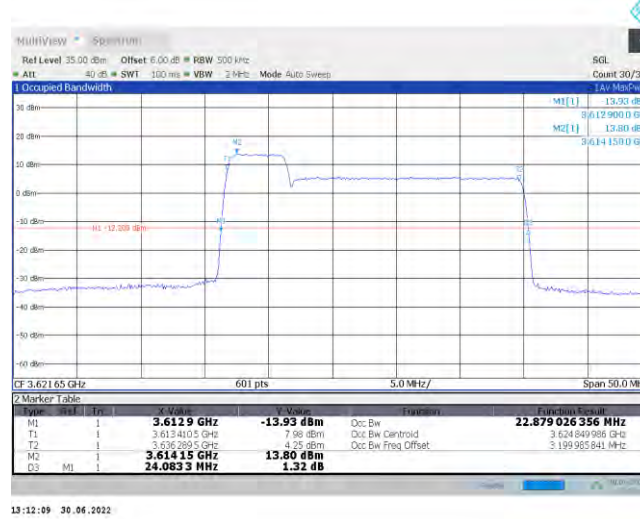
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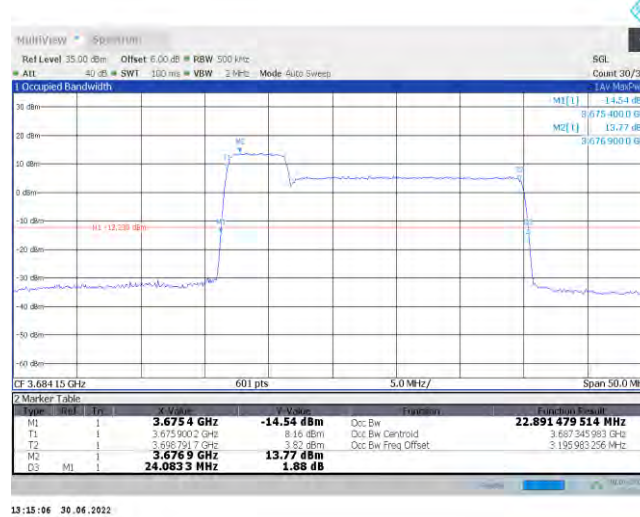
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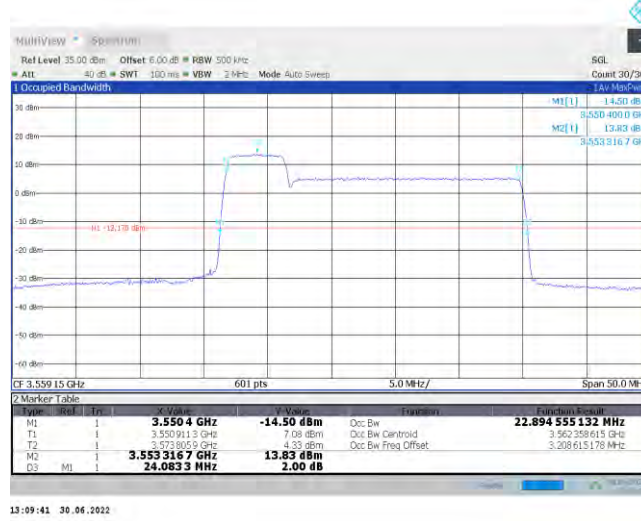
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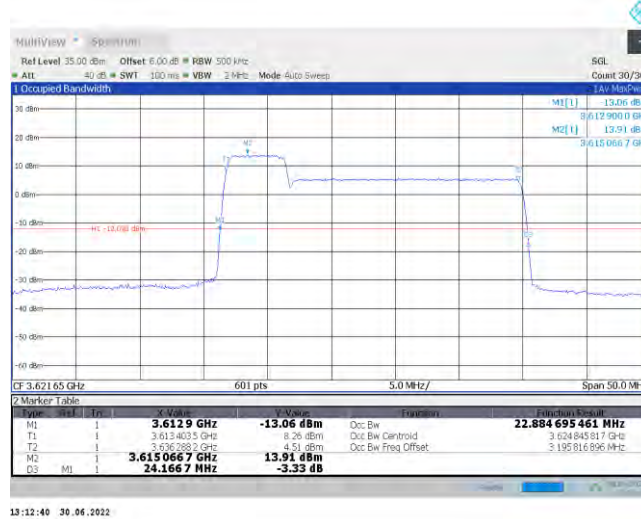
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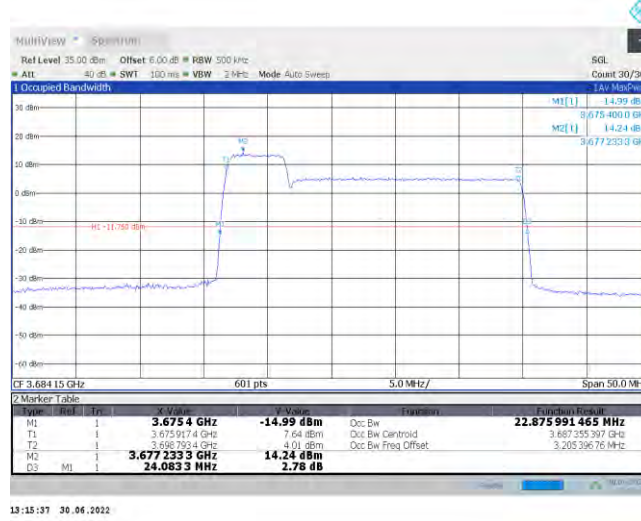
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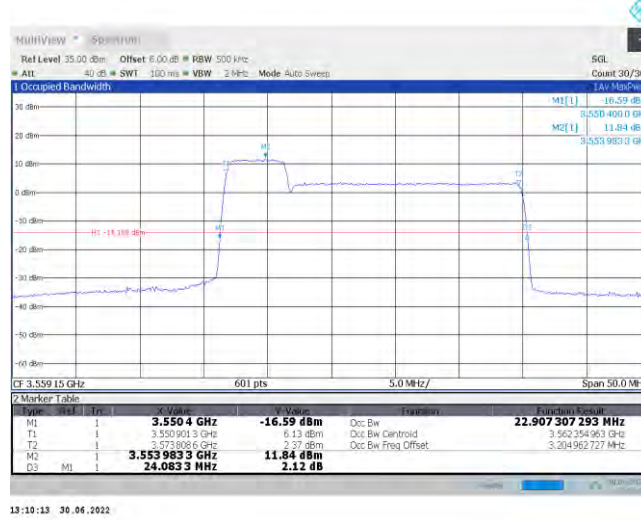
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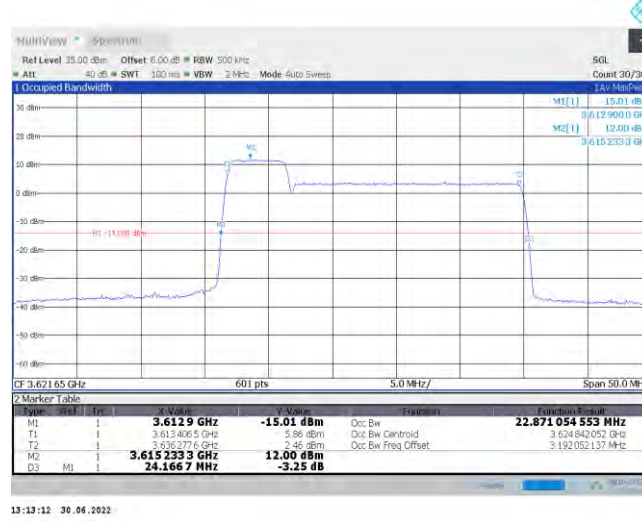
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48-48-5MHz-20MHz-256QAM-256QAM-55273-55390-25RB#0-100RB#0



48-48-5MHz-20MHz-256QAM-256QAM-55898-56015-25RB#0-100RB#0



48-48-5MHz-20MHz-256QAM-256QAM-56523-56640-25RB#0-100RB#0

