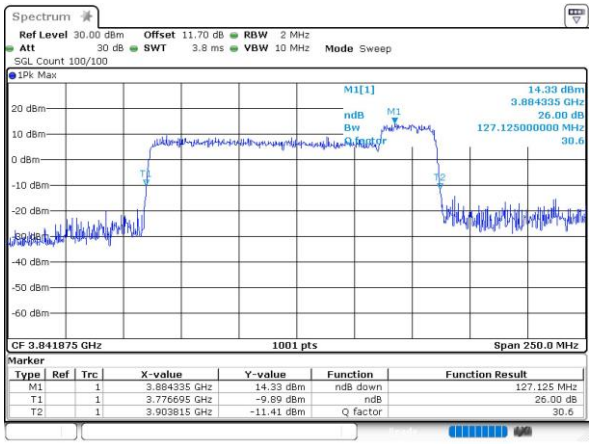
100M+25M

QPSK

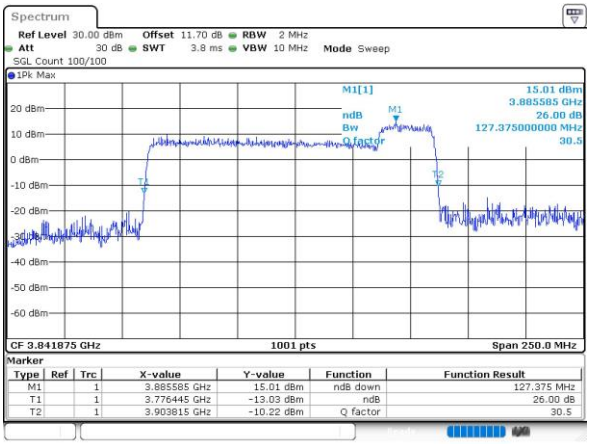


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.884335 GHz	14.33 dBm	ndB down	127.125 MHz
T1		1	3.776695 GHz	-9.89 dBm	ndB	26.00 dB
T2		1	3.903815 GHz	-11.41 dBm	Q factor	30.6

Date: 5.JUN.2023 23:15:28

16QAM

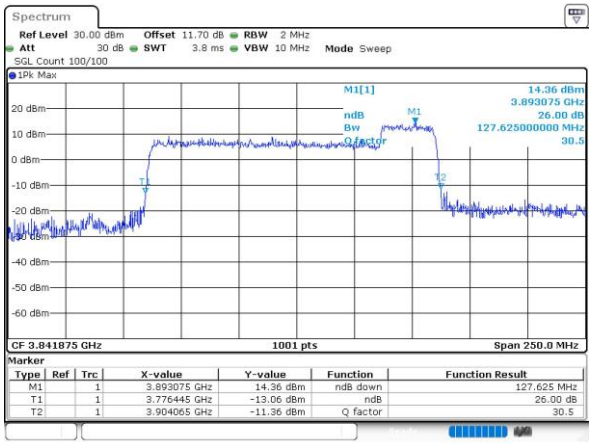


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.885585 GHz	15.01 dBm	ndB down	127.375 MHz
T1		1	3.776445 GHz	-13.03 dBm	ndB	26.00 dB
T2		1	3.903815 GHz	-10.22 dBm	Q factor	30.5

Date: 5.JUN.2023 23:15:48

64QAM

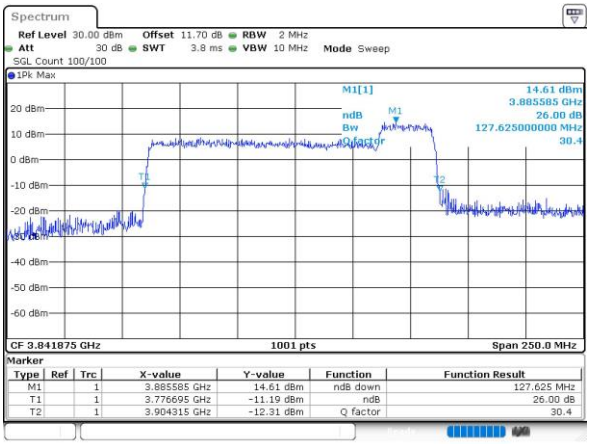


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.893075 GHz	14.36 dBm	ndB down	127.625 MHz
T1		1	3.776445 GHz	-13.06 dBm	ndB	26.00 dB
T2		1	3.904065 GHz	-11.36 dBm	Q factor	30.5

Date: 5.JUN.2023 23:16:00

256QAM



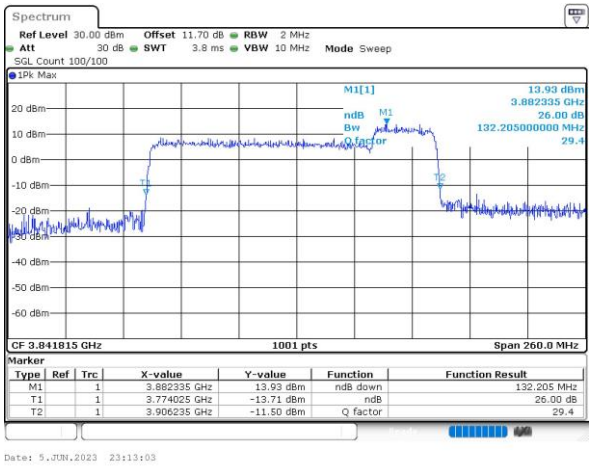
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.885585 GHz	14.61 dBm	ndB down	127.625 MHz
T1		1	3.776695 GHz	-11.19 dBm	ndB	26.00 dB
T2		1	3.904315 GHz	-12.31 dBm	Q factor	30.4

Date: 5.JUN.2023 23:16:10

100M+30M

QPSK



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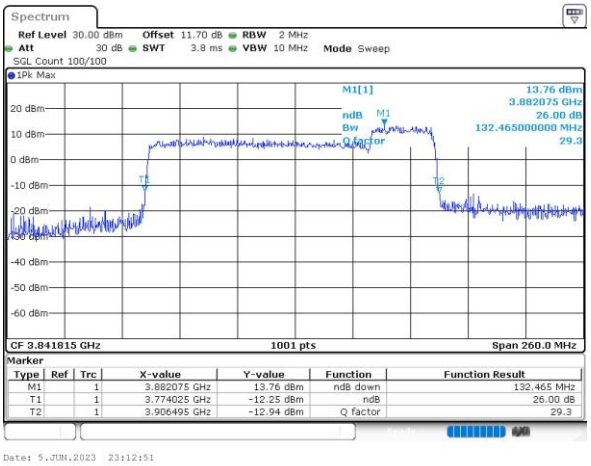

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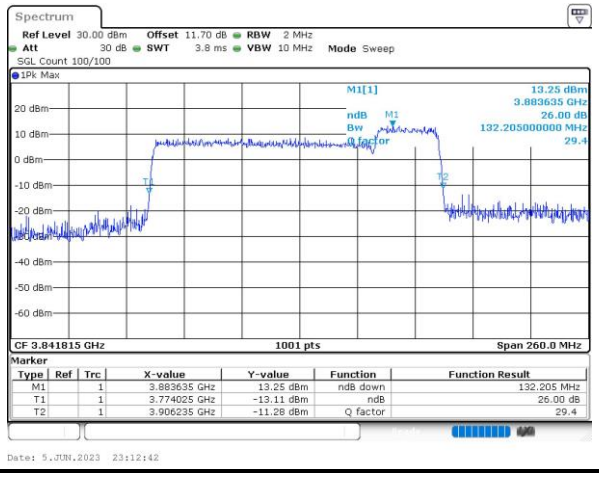

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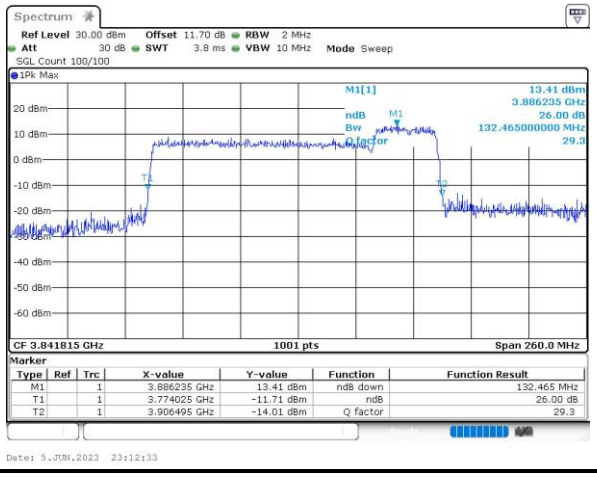
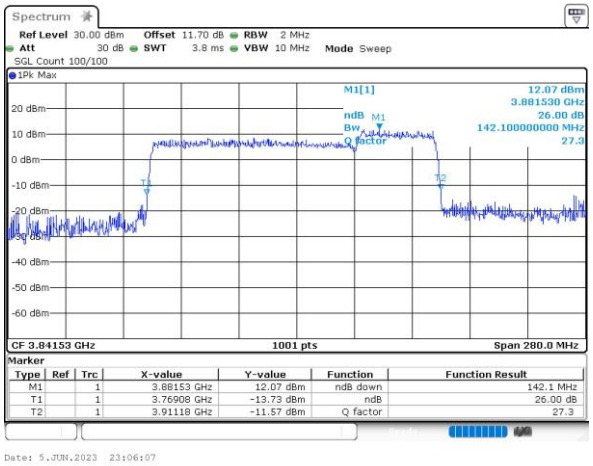


100M+40M

QPSK



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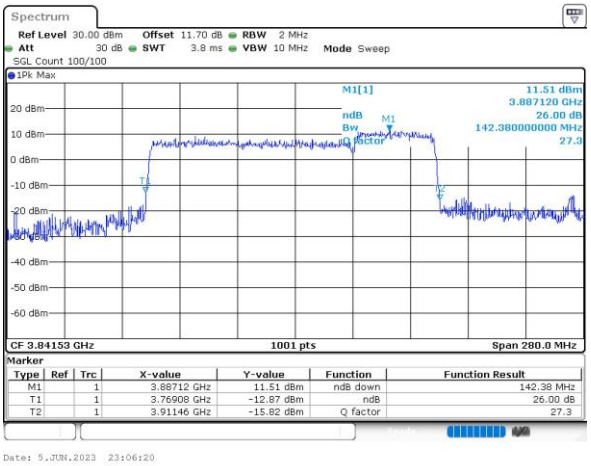

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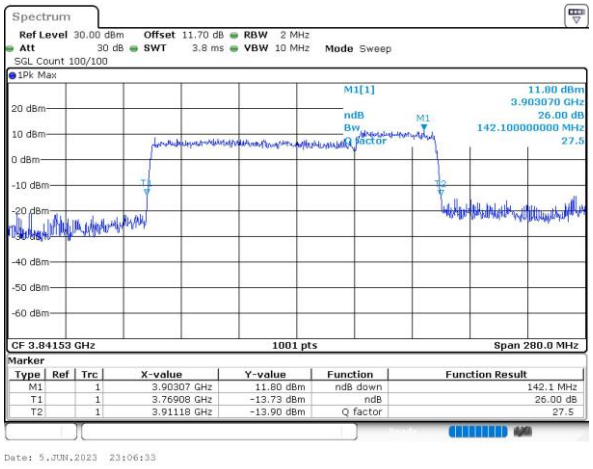

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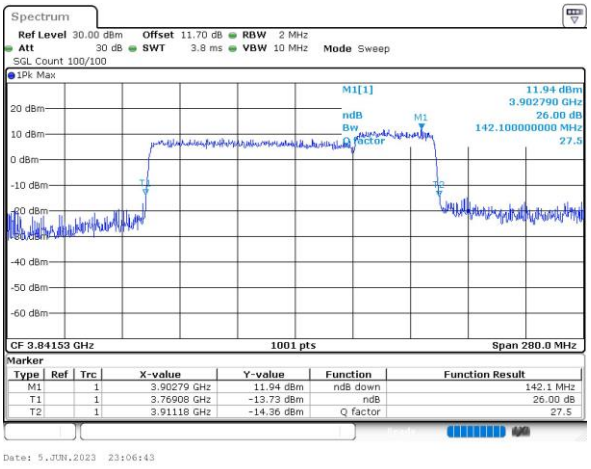
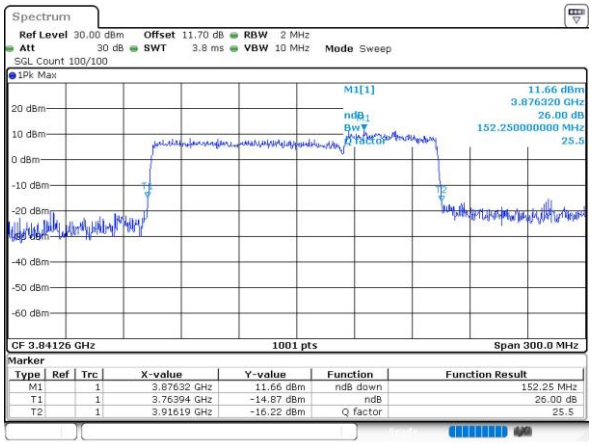


100M+50M

QPSK



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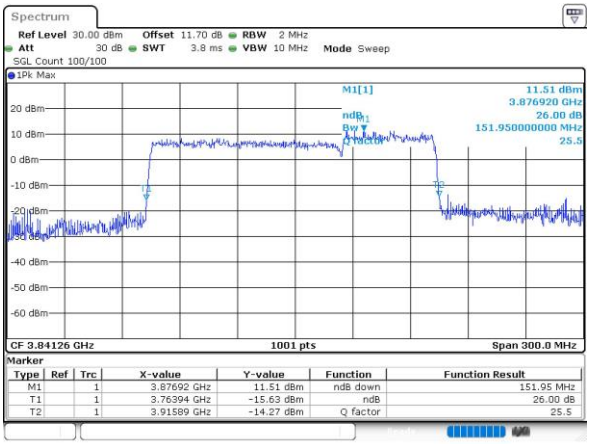

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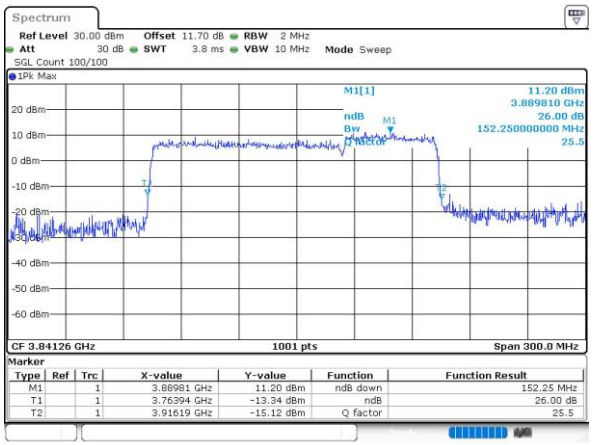

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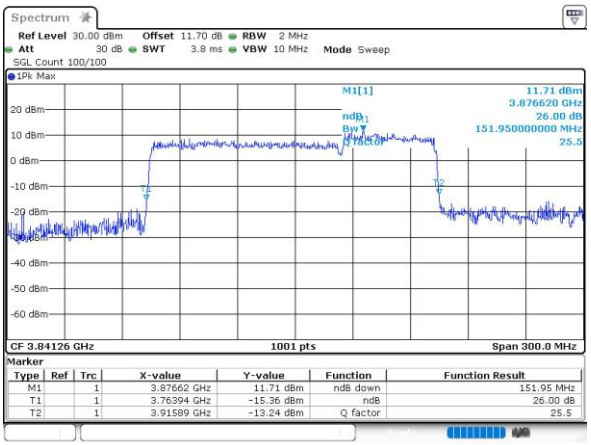
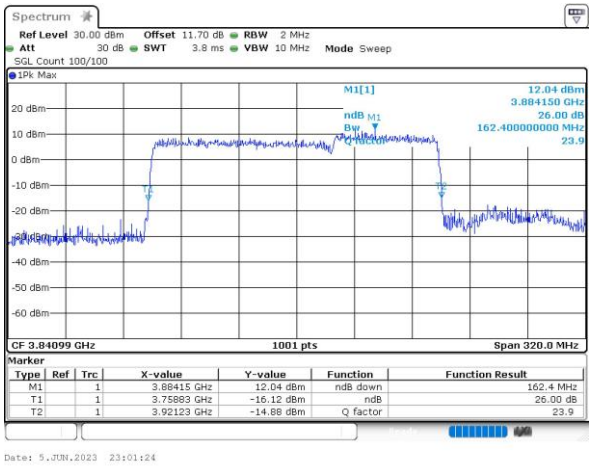


100M+60M

QPSK



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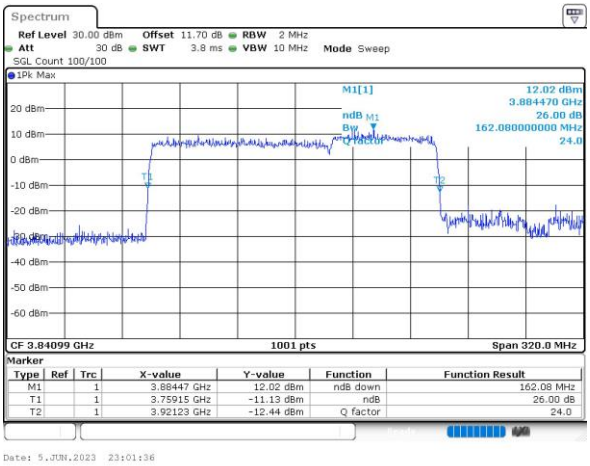

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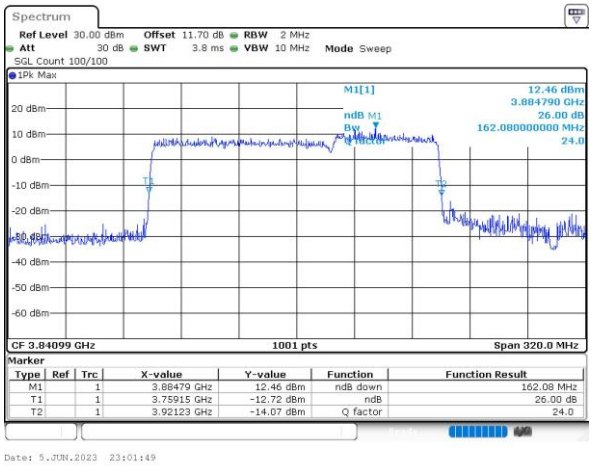

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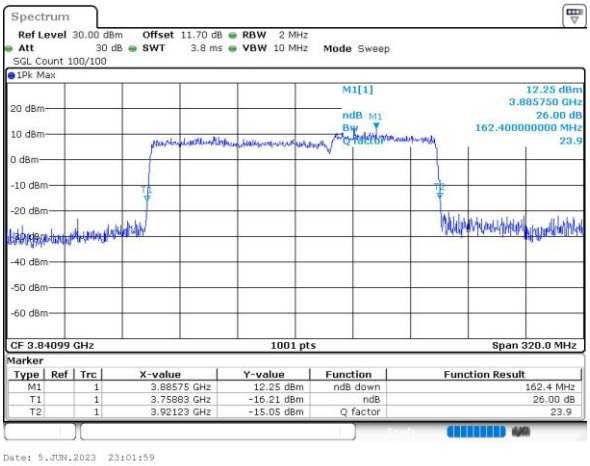
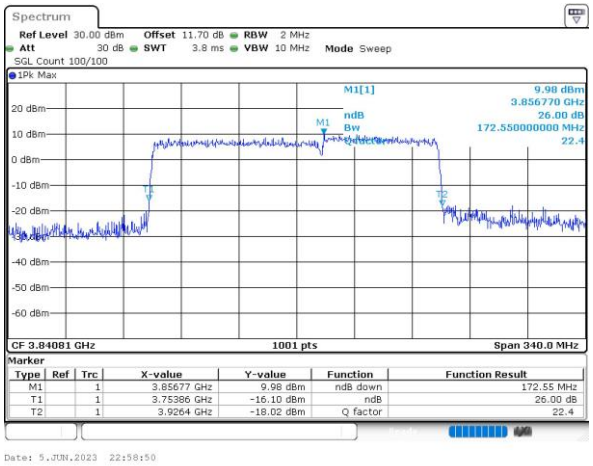


100M+70M

QPSK



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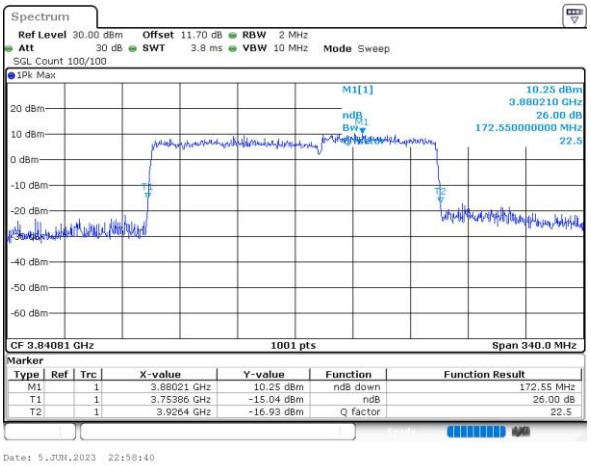

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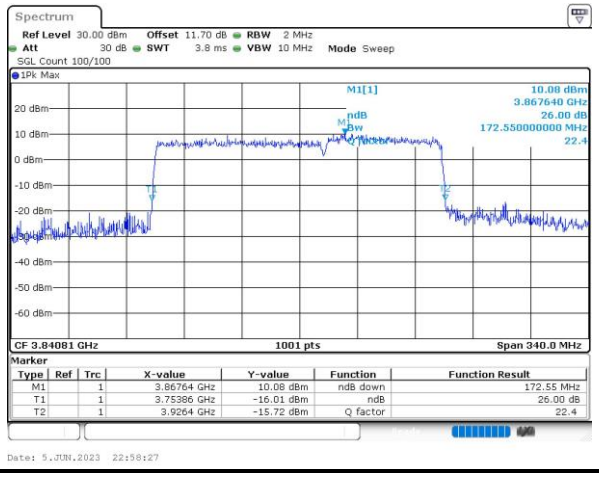

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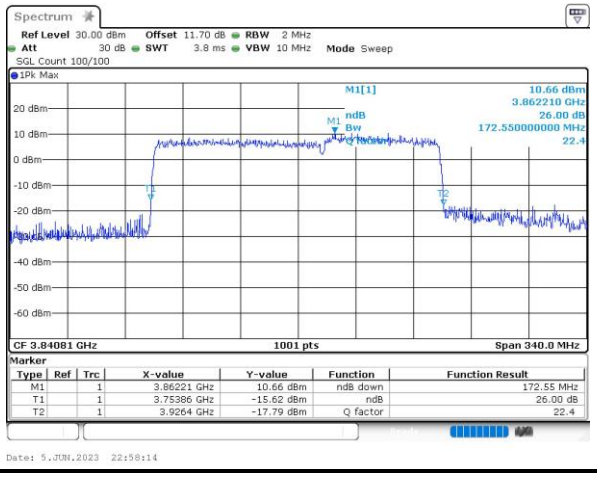
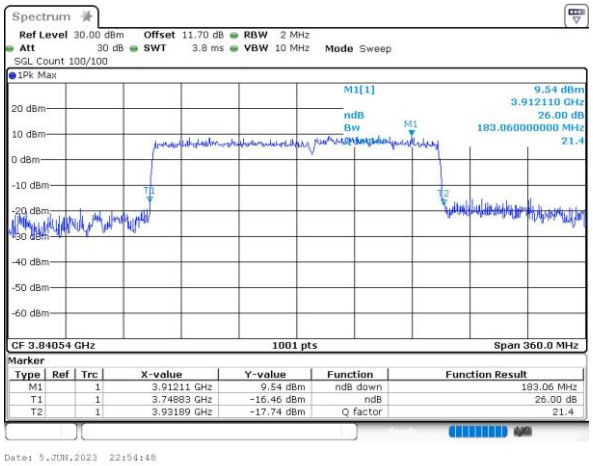


100M+80M

QPSK



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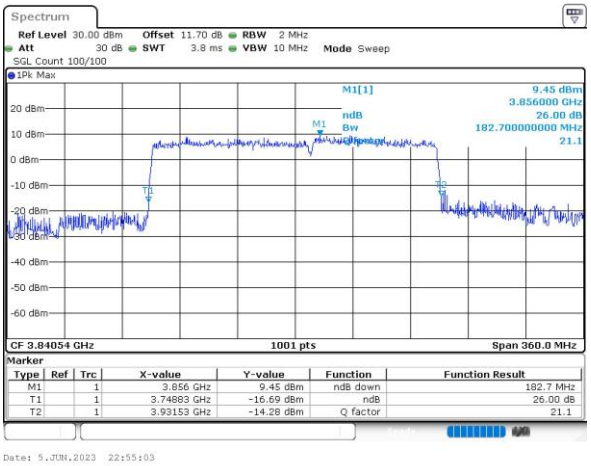

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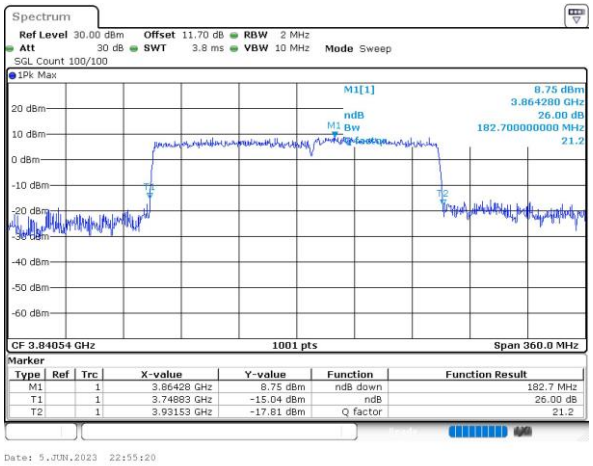

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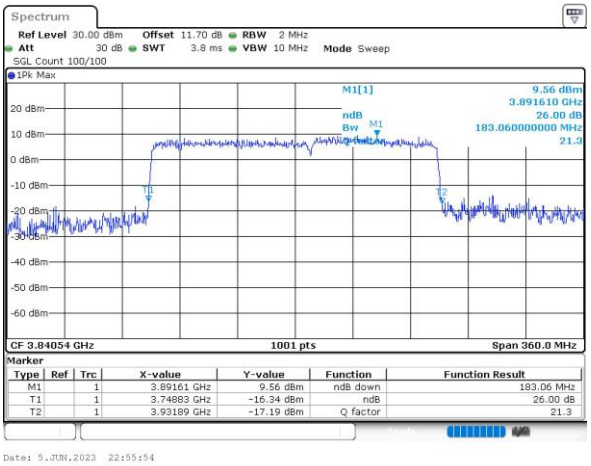
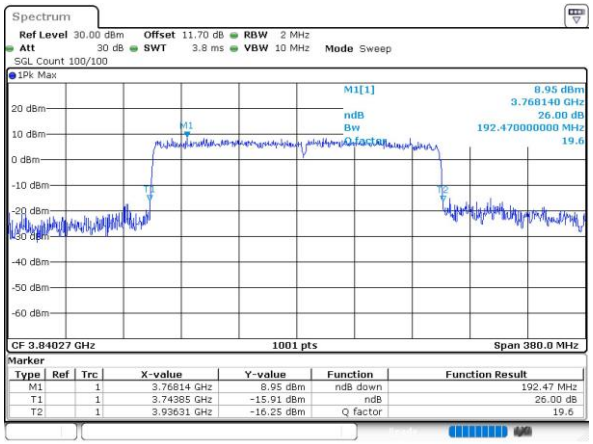


100M+90M

QPSK



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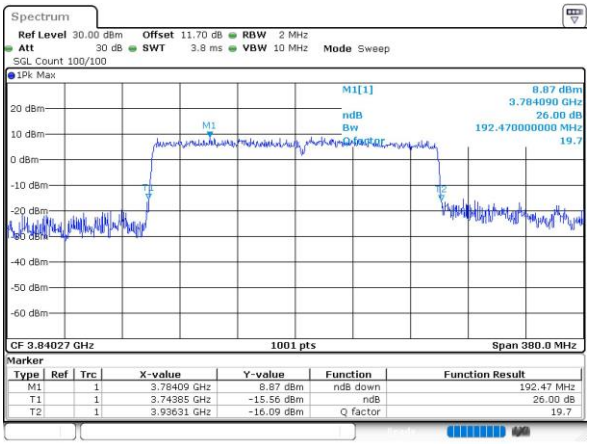

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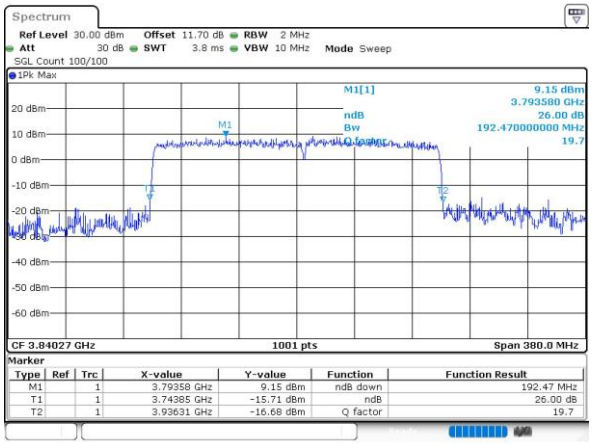

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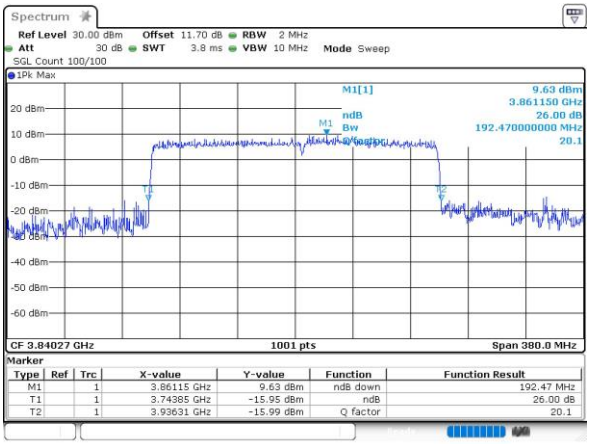
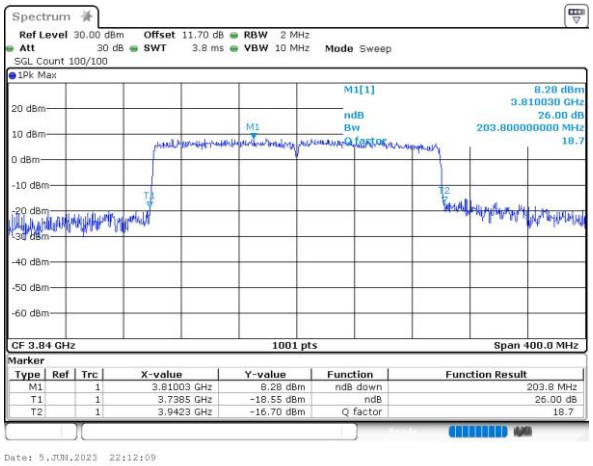


100M+100M

QPSK



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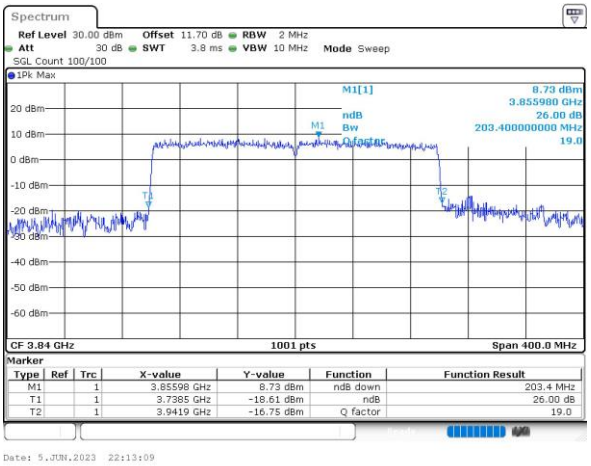

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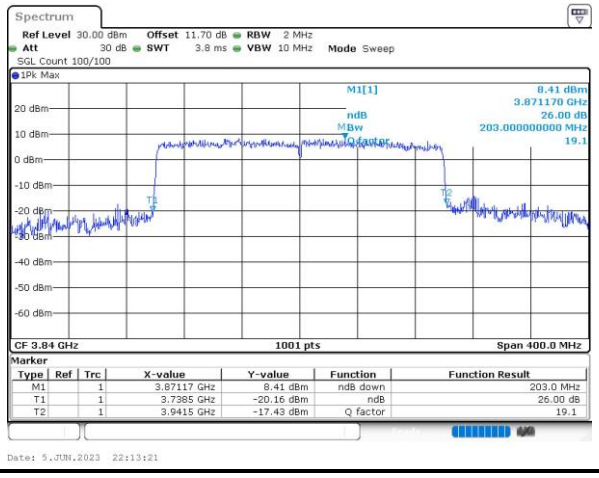

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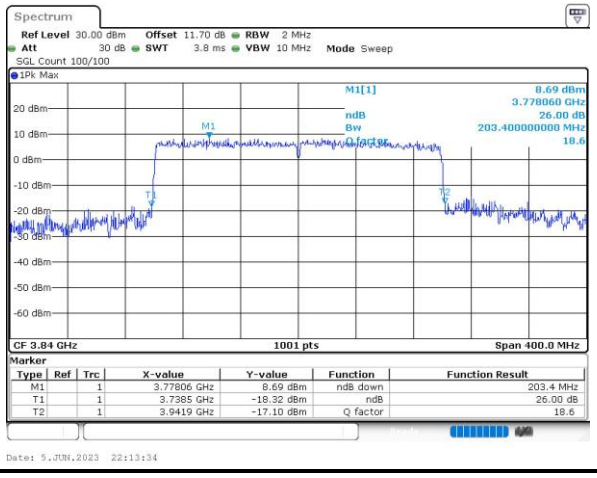


Occupied Bandwidth

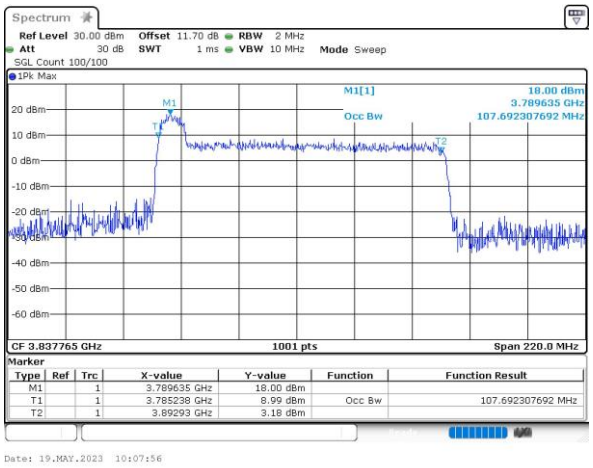
Mode	FCC N77C : 99%OBW (MHz)				
Modulation	10MHz+100MHz	15MHz+90MHz	15MHz+100MHz	20MHz+90MHz	20MHz+100MHz
QPSK	107.69	102.8	112.36	107.69	117.24
16QAM	107.69	102.38	112.59	107.25	117.24
64QAM	107.25	102.59	112.36	107.47	117.24
256QAM	107.47	102.59	112.13	107.25	117.48
Modulation	25MHz+80MHz	25MHz+90MHz	25MHz+100MHz	30MHz+80MHz	30MHz+90MHz
QPSK	102.17	111.9	121.63	107.03	117
16QAM	102.59	112.13	122.38	107.25	116.76
64QAM	102.38	112.13	122.13	107.25	117.24
256QAM	102.38	111.9	122.13	107.25	117
Modulation	30MHz+100MHz	40MHz+70MHz	40MHz+80MHz	40MHz+90MHz	40MHz+100MHz
QPSK	127.01	106.81	117	127.01	137.06
16QAM	127.27	107.25	117	127.01	137.06
64QAM	126.75	107.03	117.24	127.01	136.78
256QAM	127.01	107.03	117	127.27	136.78
Modulation	50MHz+60MHz	50MHz+70MHz	50MHz+80MHz	50MHz+90MHz	50MHz+100MHz
QPSK	106.81	116.52	126.49	136.5	146.55
16QAM	106.81	117	126.49	136.5	146.25
64QAM	107.03	116.76	126.23	136.5	146.25
256QAM	106.81	116.76	126.75	136.22	145.95
Modulation	60MHz+50MHz	60MHz+60MHz	60MHz+70MHz	60MHz+80MHz	60MHz+90MHz
QPSK	106.81	117	126.75	136.22	146.55
16QAM	107.03	117	126.49	136.78	146.25
64QAM	106.81	117	126.75	136.78	146.55
256QAM	106.81	117.72	126.75	136.78	146.55
Modulation	60MHz+100MHz	70MHz+40MHz	70MHz+50MHz	70MHz+60MHz	70MHz+70MHz
QPSK	156.32	107.25	117.00	127.01	136.5
16QAM	156.32	107.25	116.76	127.01	136.78
64QAM	156.64	107.47	117.00	126.75	137.06
256QAM	156.64	107.25	116.76	127.27	136.78
Modulation	70MHz+80MHz	70MHz+90MHz	70MHz+100MHz	80MHz+25MHz	80MHz+30MHz
QPSK	146.55	156	166.43	102.38	107.03
16QAM	146.55	156.32	166.09	102.8	107.25
64QAM	146.55	156.64	166.09	102.8	107.47
256QAM	146.55	156.32	166.09	102.38	107.03

Modulation	80MHz+40MHz	80MHz+50MHz	80MHz+60MHz	80MHz+70MHz	80MHz+80MHz
QPSK	116.76	126.75	136.5	146.55	156.64
16QAM	117.24	126.49	136.5	146.55	156.64
64QAM	117.24	126.75	136.5	146.55	156.96
256QAM	117.24	126.49	136.78	146.55	156.64
Modulation	80MHz+90MHz	80MHz+100MHz	90MHz+15MHz	90MHz+20MHz	90MHz+25MHz
QPSK	166.09	175.86	102.59	107.69	112.36
16QAM	166.43	176.22	102.8	107.69	112.35
64QAM	166.09	176.22	102.59	107.69	112.36
256QAM	166.09	176.22	102.8	107.69	112.59
Modulation	90MHz+30MHz	90MHz+40MHz	90MHz+50MHz	90MHz+60MHz	90MHz+70MHz
QPSK	117	126.49	136.78	146.85	156.32
16QAM	117.48	127.01	136.5	146.55	156.32
64QAM	117	127.01	136.78	146.55	156.32
256QAM	117.24	127.27	136.78	146.55	156.32
Modulation	90MHz+80MHz	90MHz+90MHz	90MHz+100MHz	100MHz+10MHz	100MHz+15MHz
QPSK	166.78	176.22	186.01	107.91	112.59
16QAM	166.77	176.22	185.63	107.91	112.59
64QAM	166.43	176.22	186.01	108.13	112.36
256QAM	167.11	176.22	185.25	107.91	112.59
Modulation	100MHz+20MHz	100MHz+25MHz	100MHz+30MH	100MHz+40MHz	100MHz+50MHz
QPSK	117.72	122.63	127.27	137.06	146.55
16QAM	117.48	122.63	127.01	137.06	146.85
64QAM	117.48	122.63	127.27	136.78	146.25
256QAM	117.48	122.63	127.27	136.78	146.55
Modulation	100MHz+60MHz	100MHz+70MHz	100MHz+80MHz	100MHz+90MHz	100MHz+100MHz
QPSK	156.32	166.43	175.86	186.77	195.8
16QAM	156.96	166.09	176.22	186.01	196.2
64QAM	156.64	166.43	176.22	186.01	196.2
256QAM	156.96	166.43	176.58	186.01	196.2

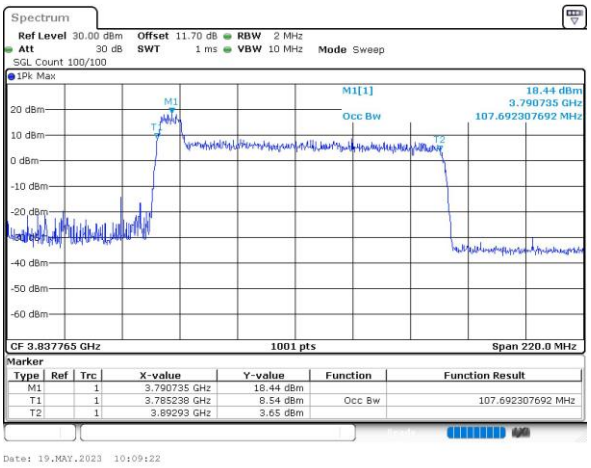
FCC N77C

10M+100M

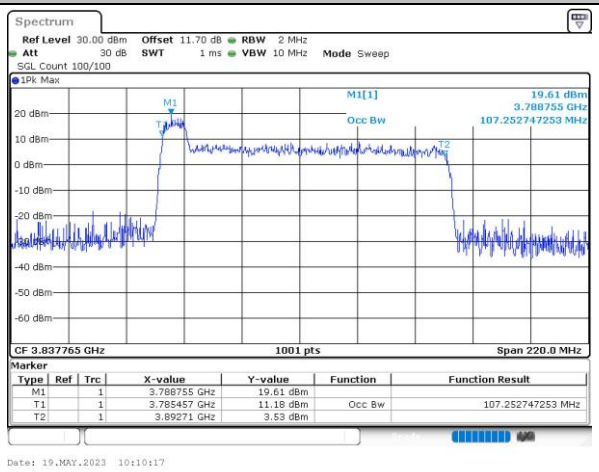
QPSK



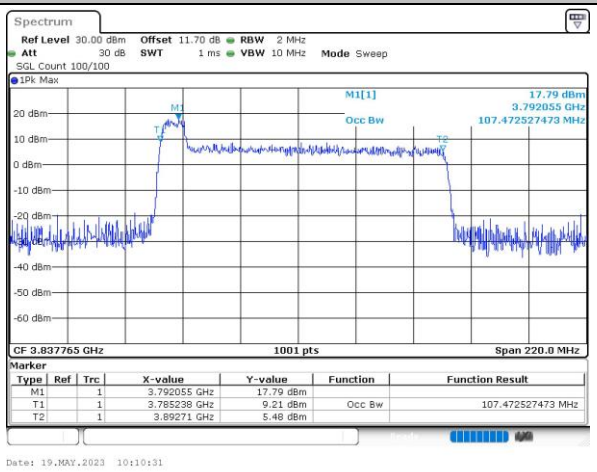
16QAM



64QAM

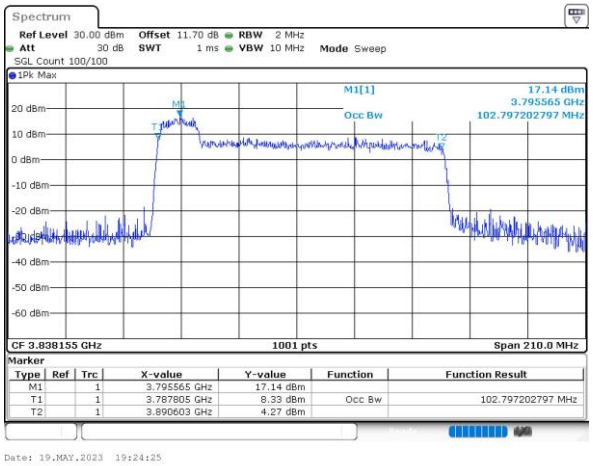


256QAM



15M+90M

QPSK



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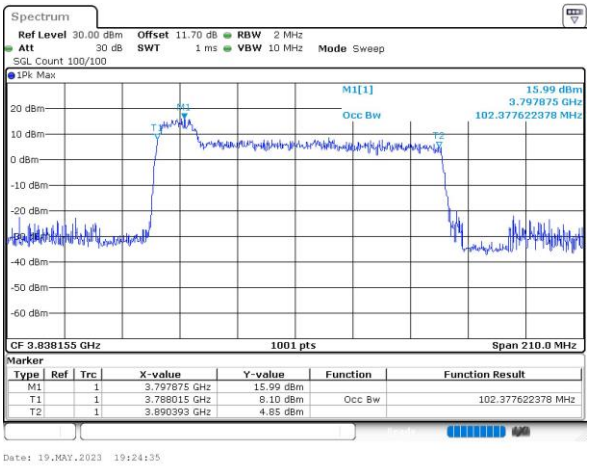

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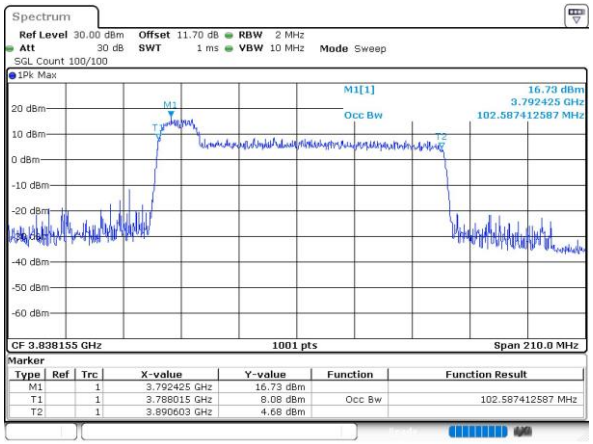

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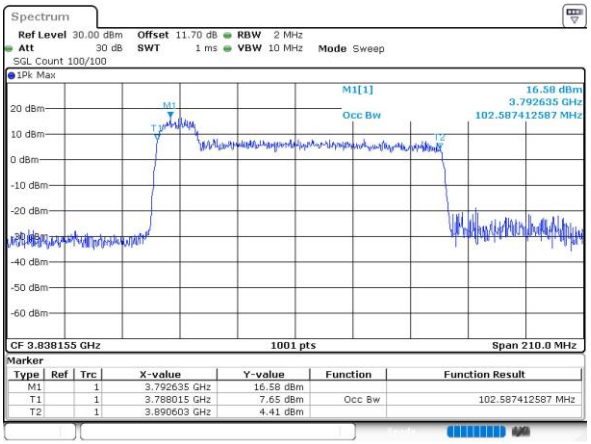

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15M+100M

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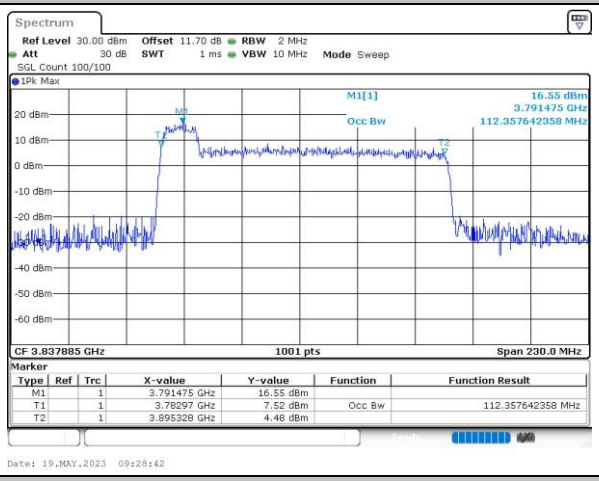

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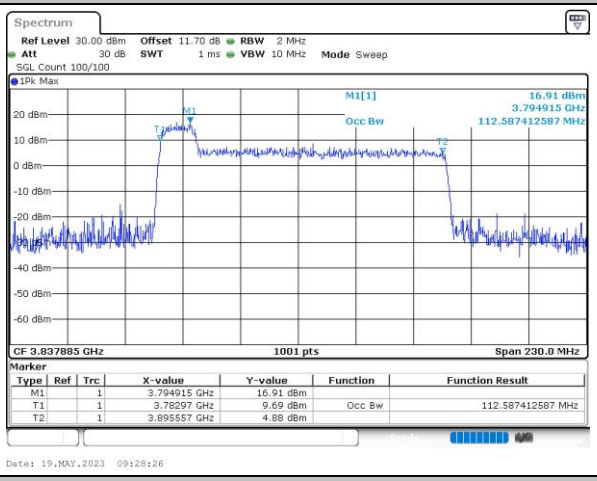

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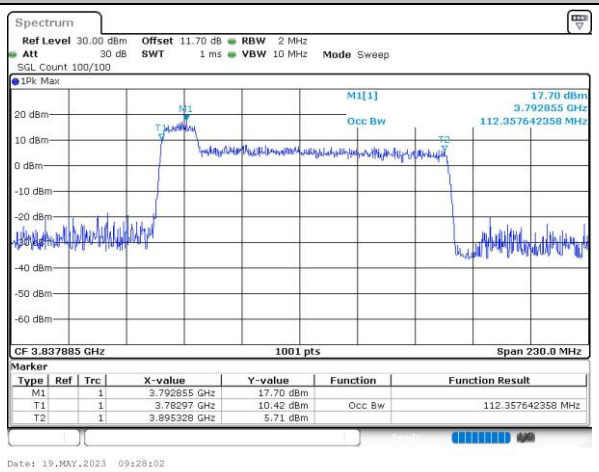

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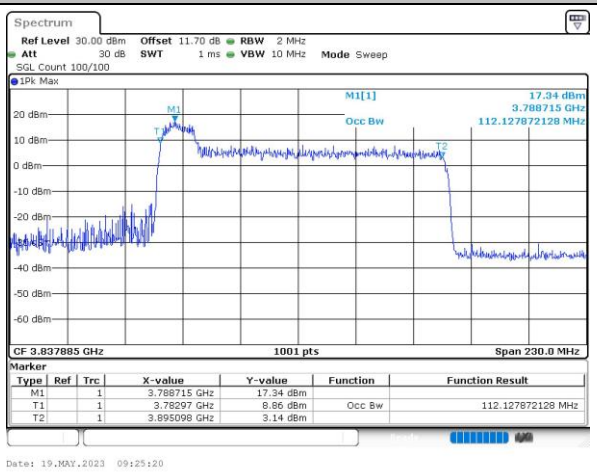

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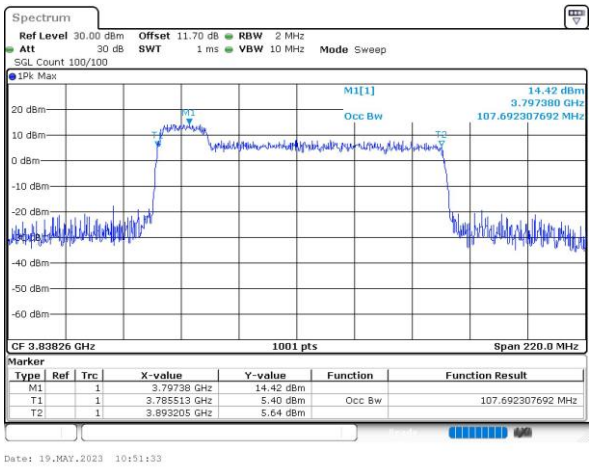

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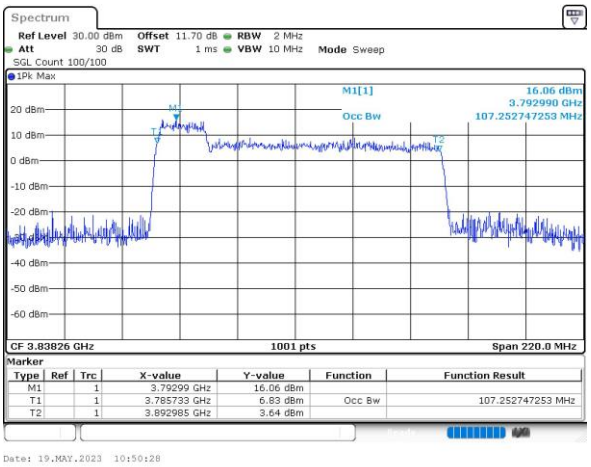

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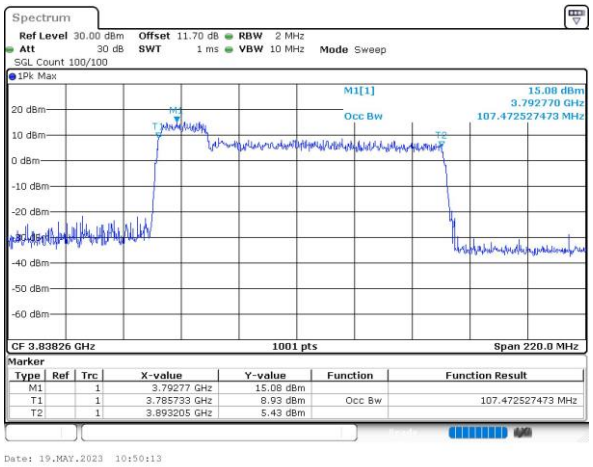

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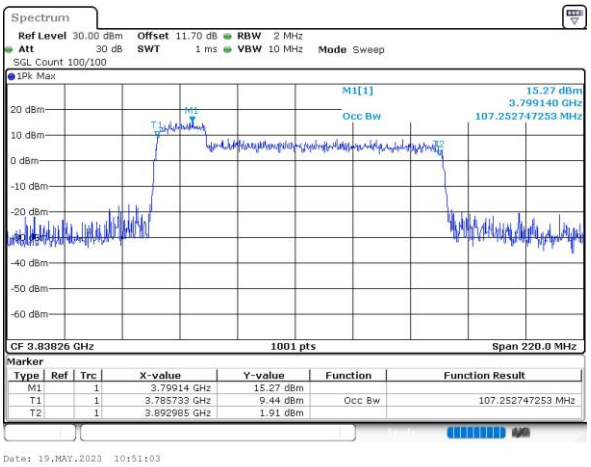

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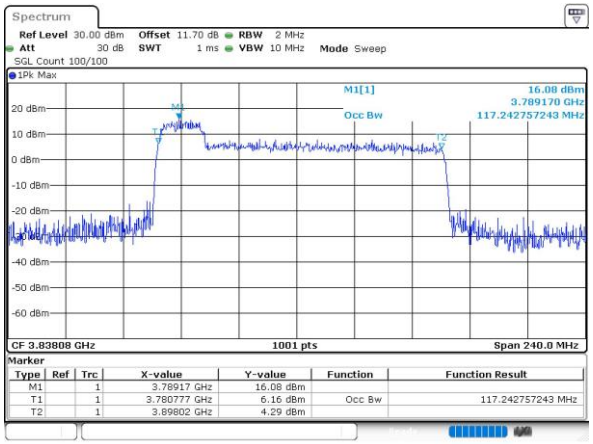

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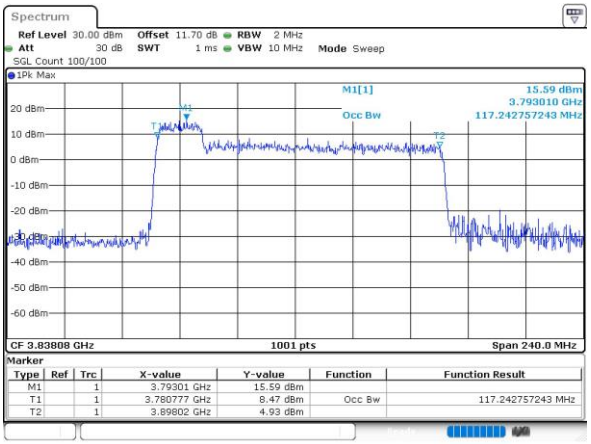

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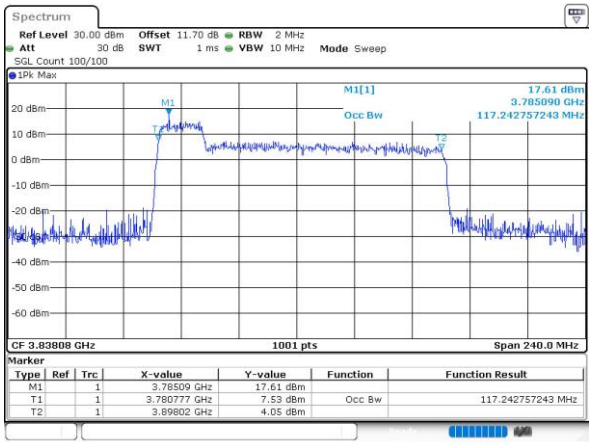

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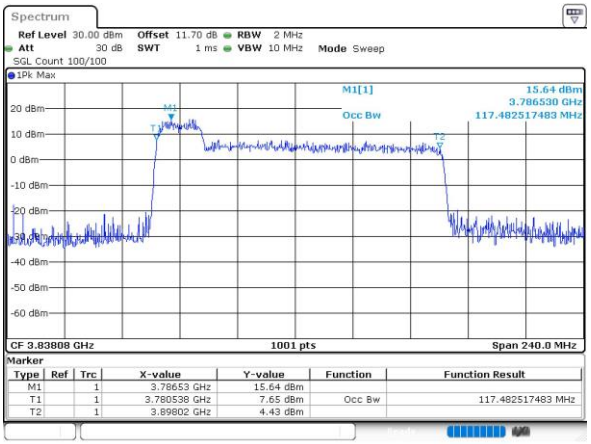

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20M+80M

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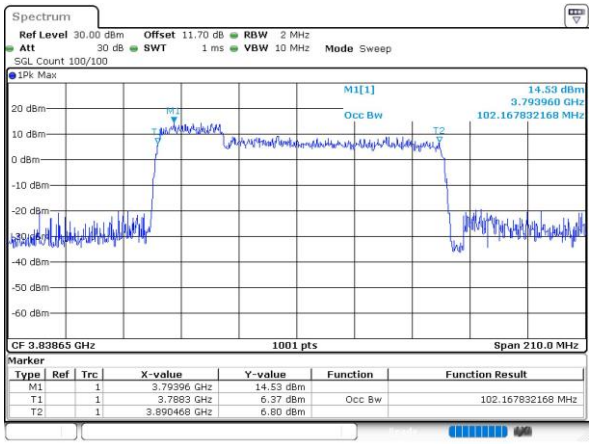

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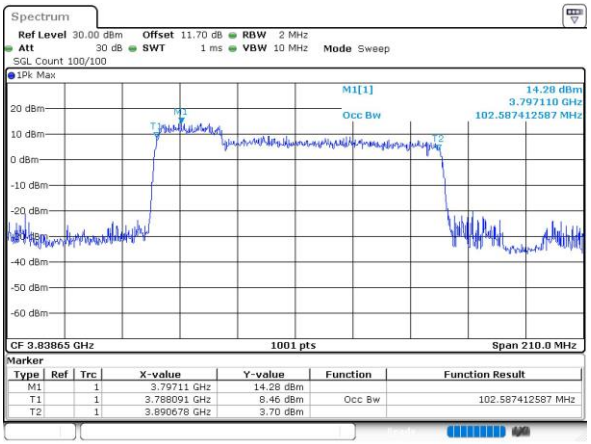

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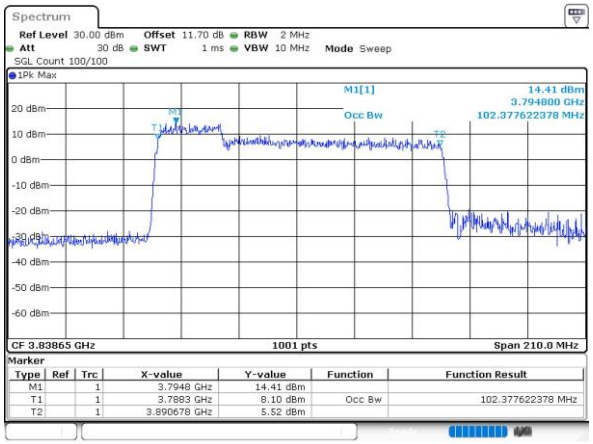

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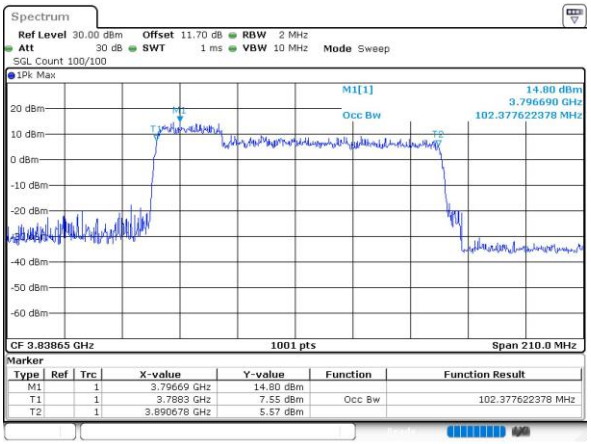

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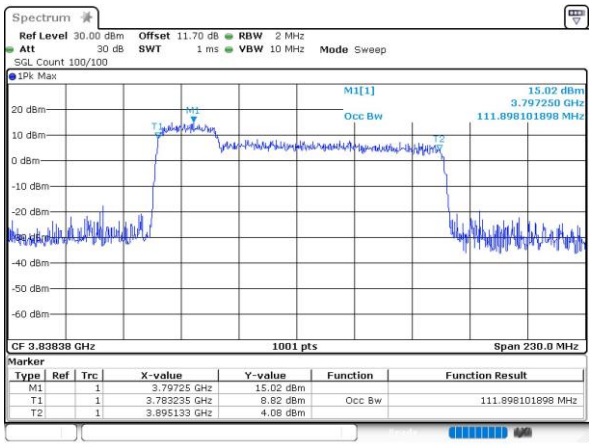

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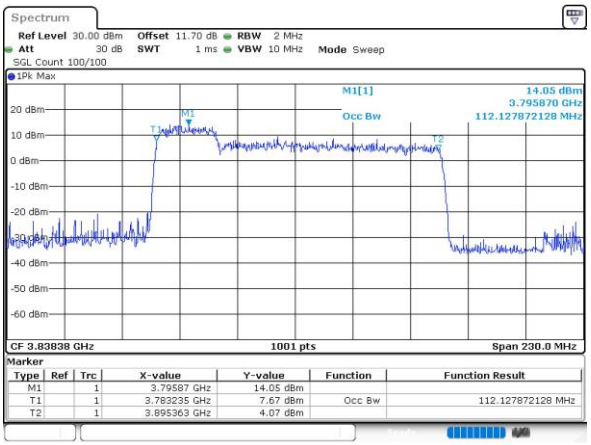

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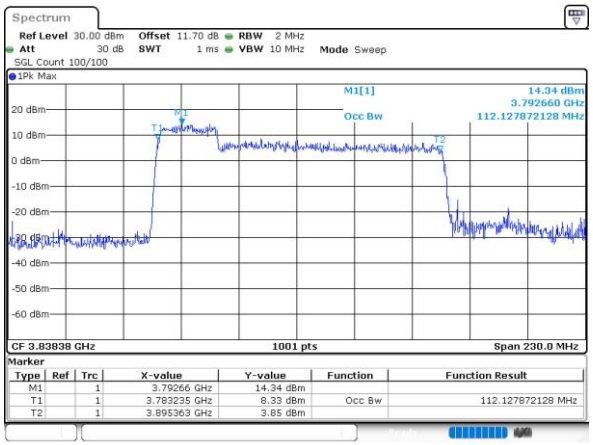

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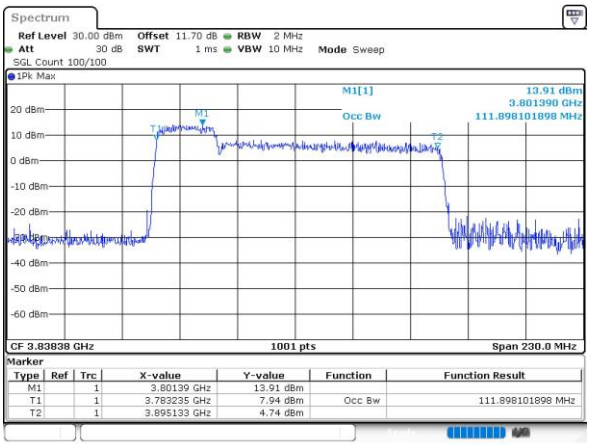

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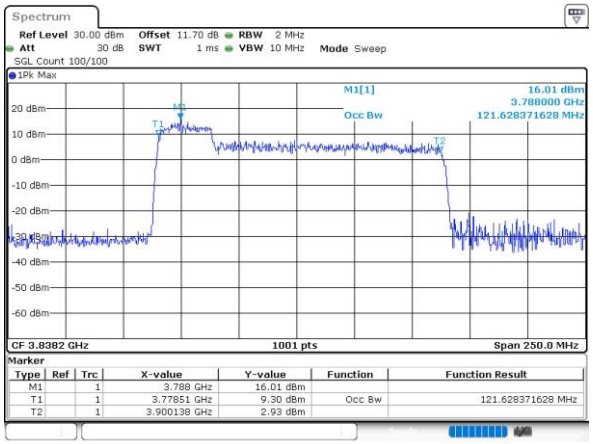

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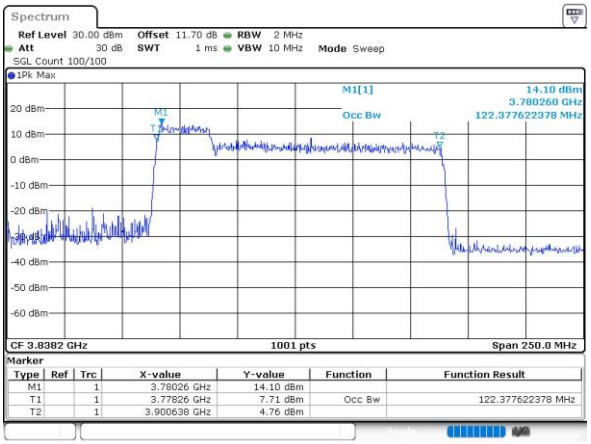

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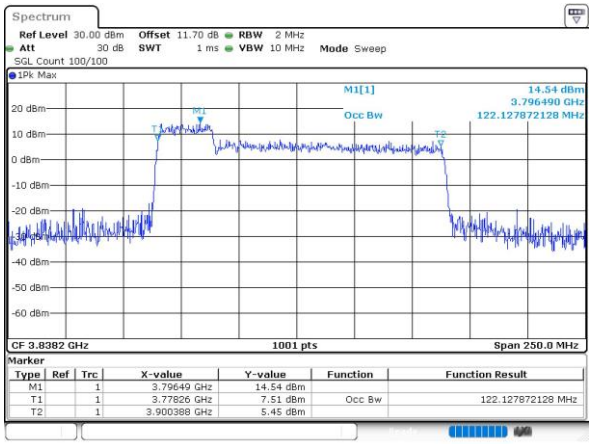

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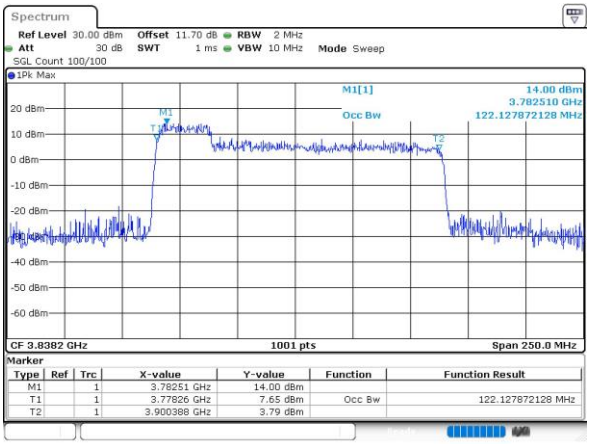

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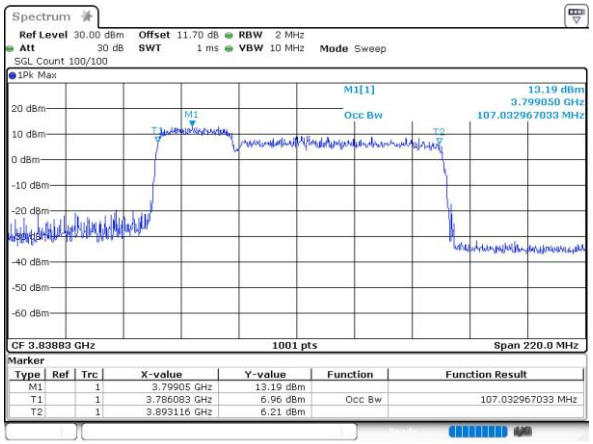

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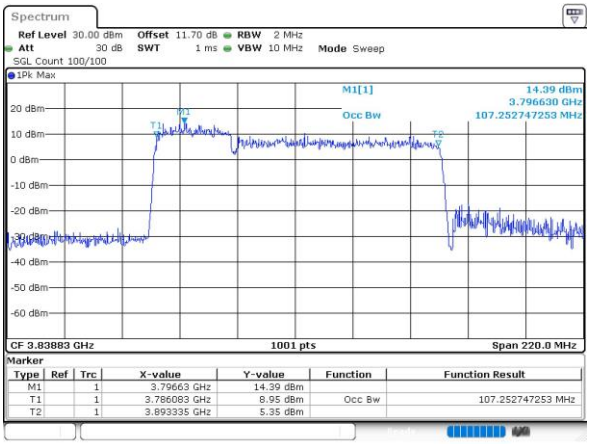

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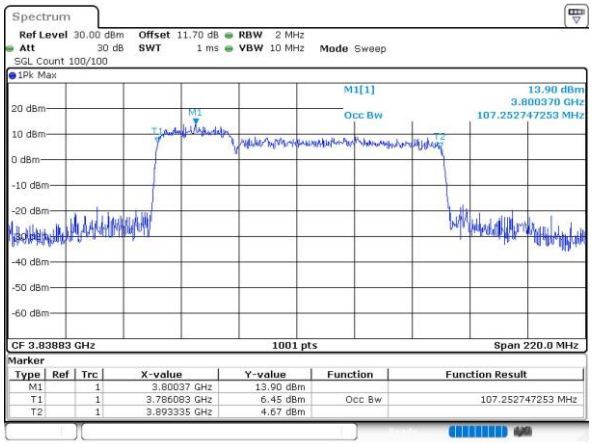

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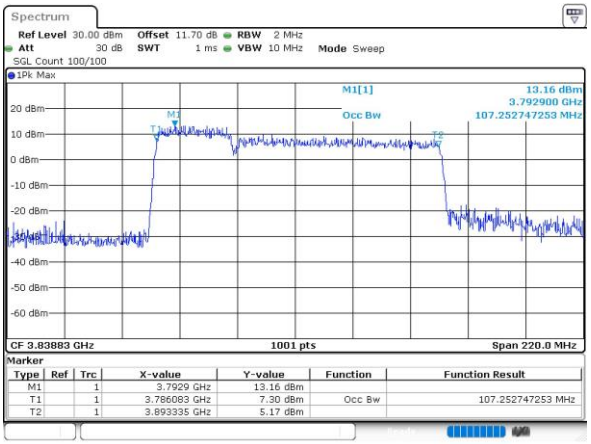

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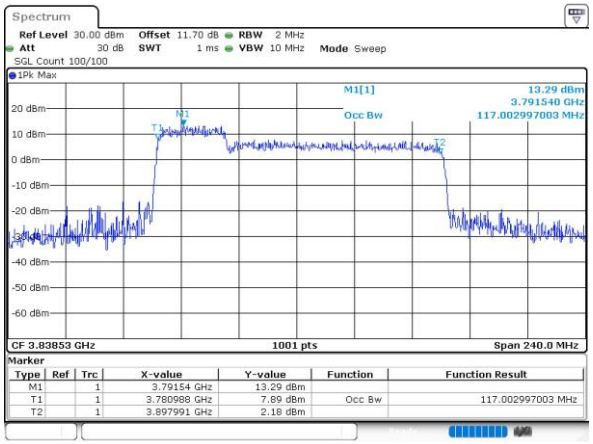

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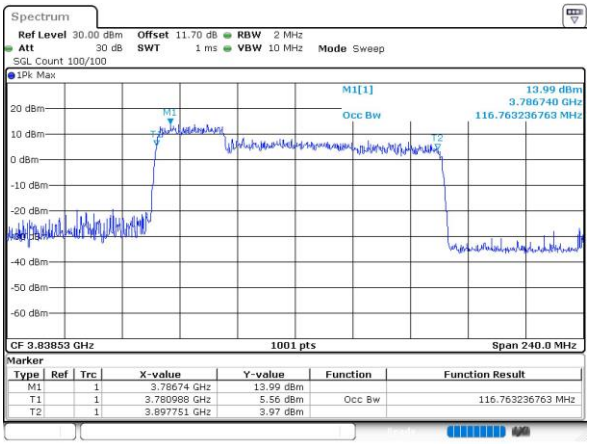

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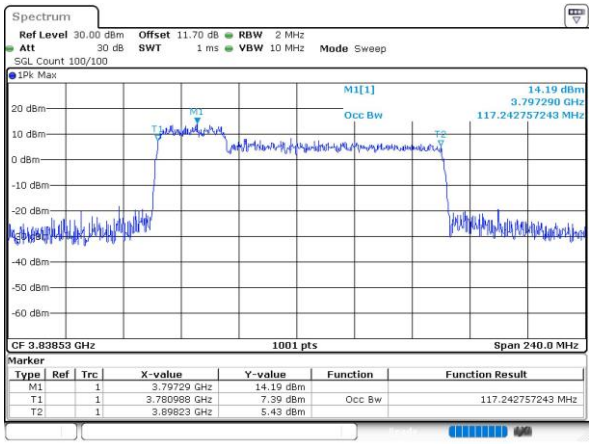

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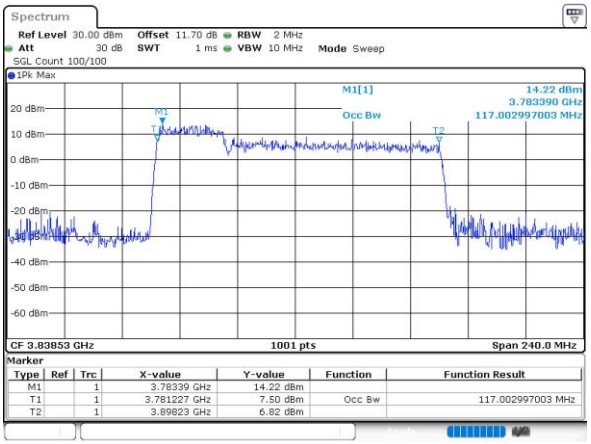

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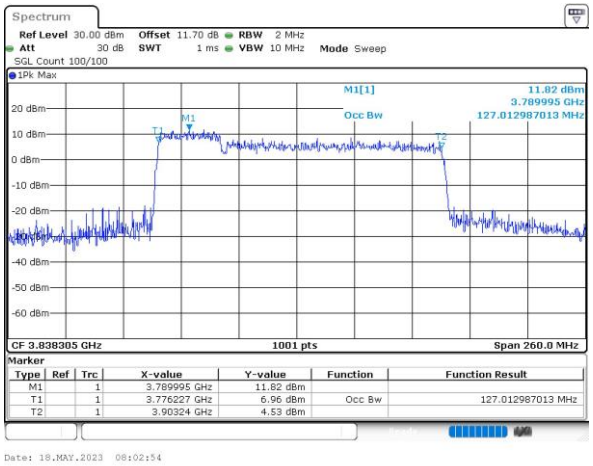

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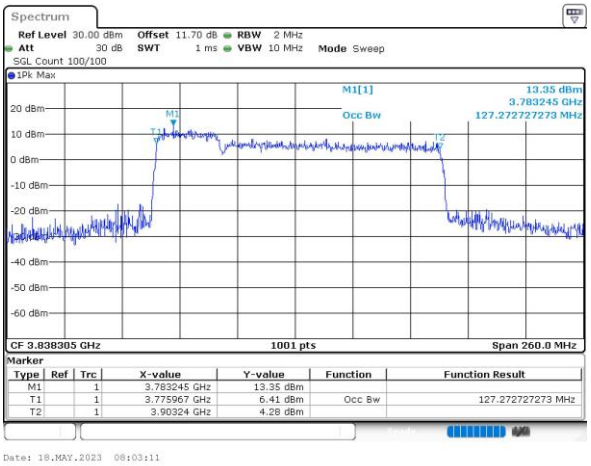

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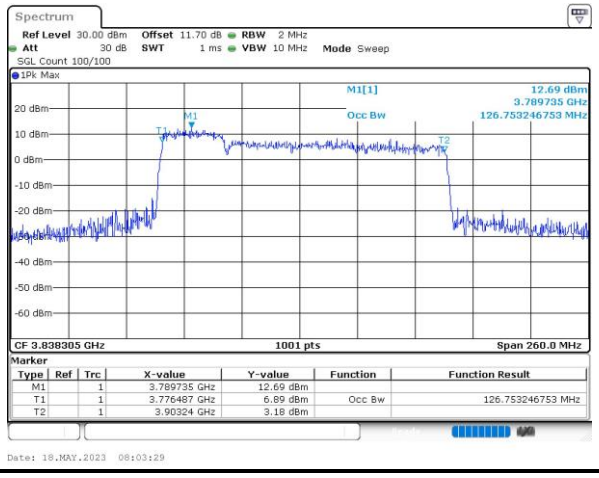

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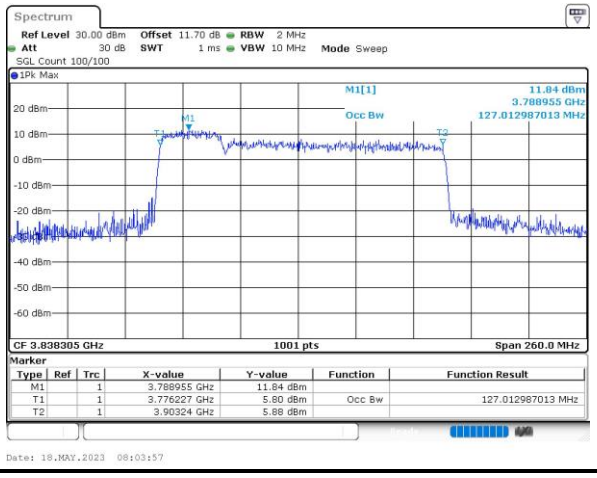

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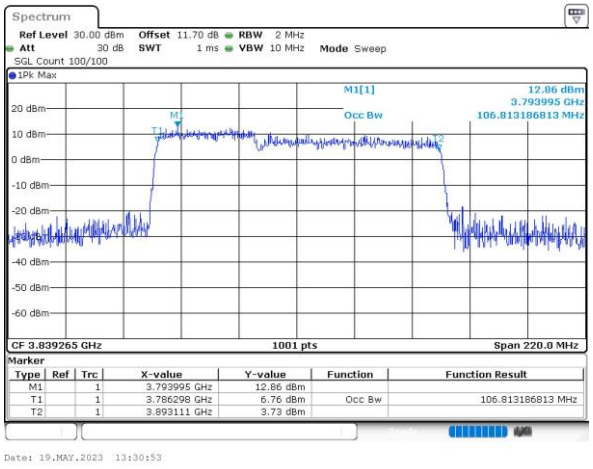

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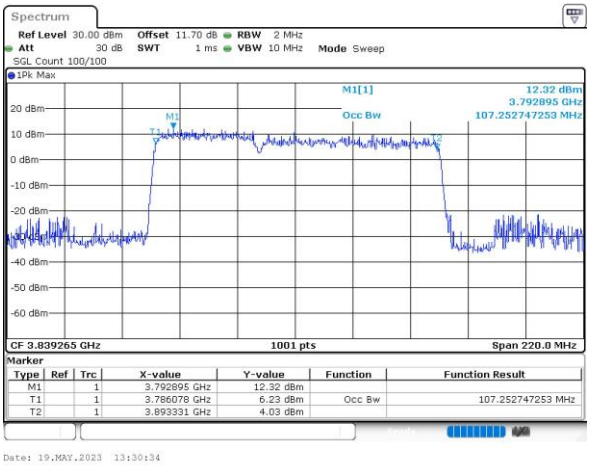

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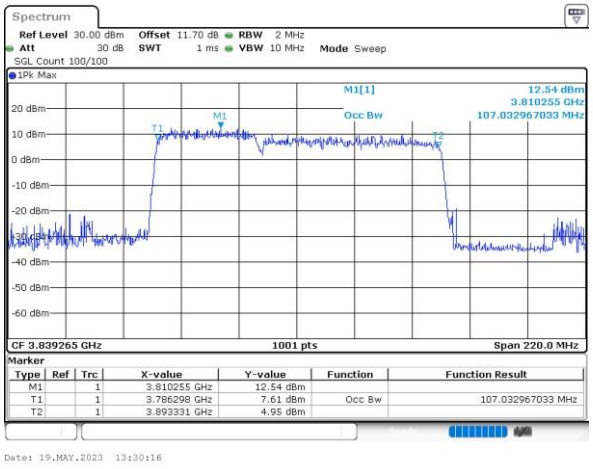

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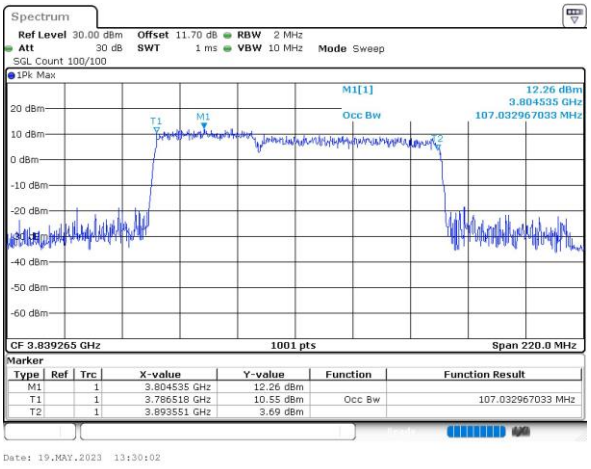

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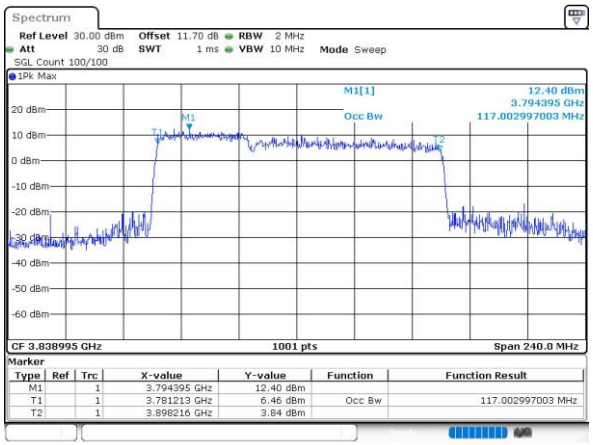

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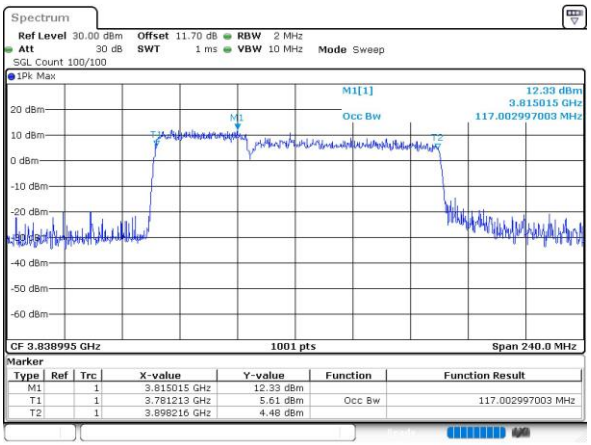

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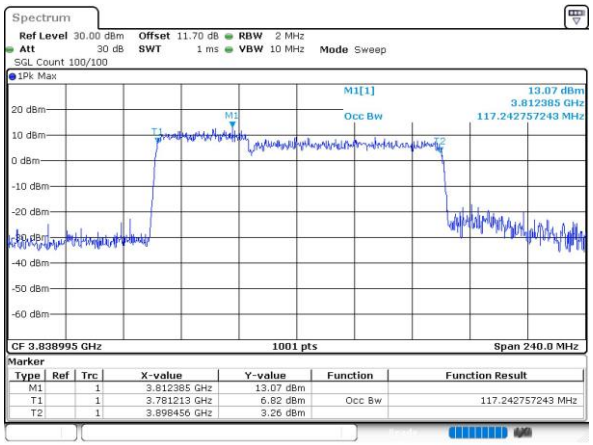

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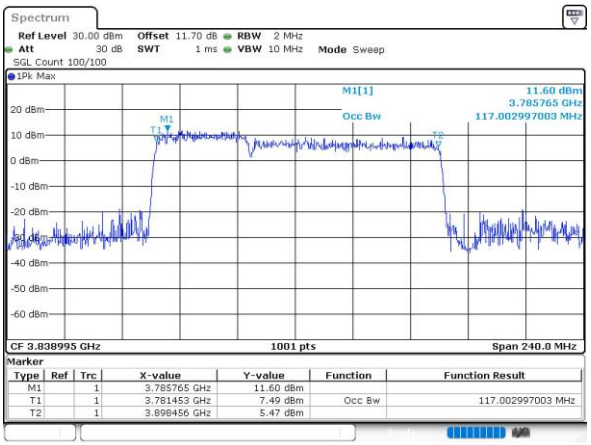

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40M+90M

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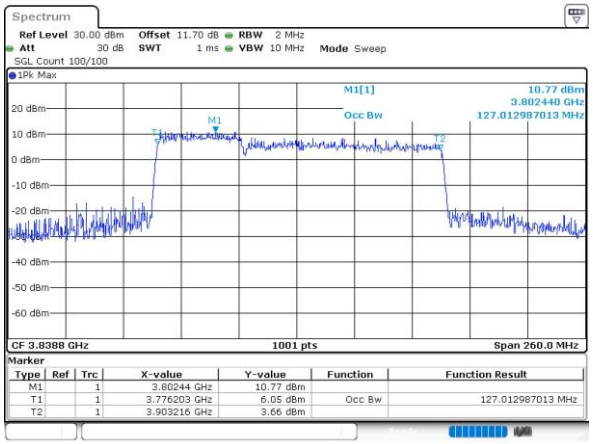

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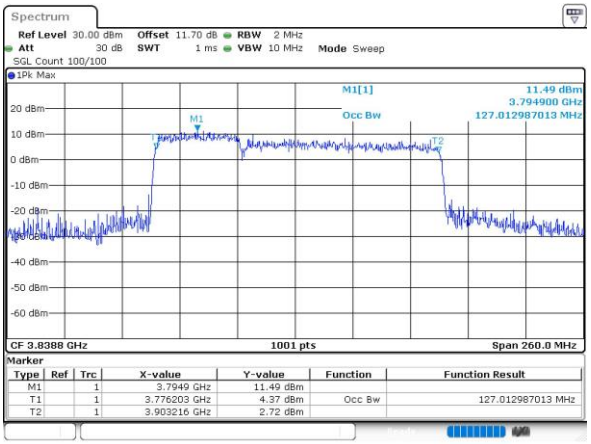

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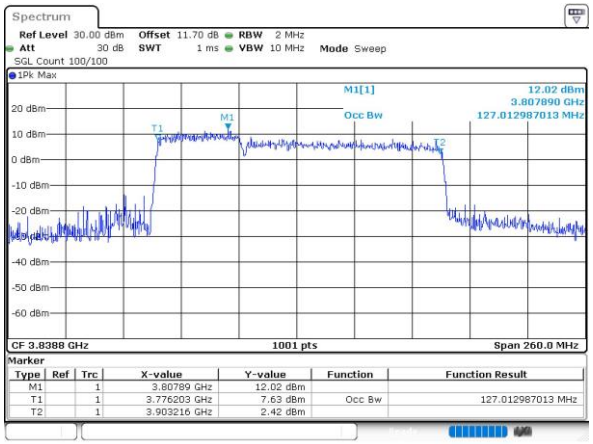

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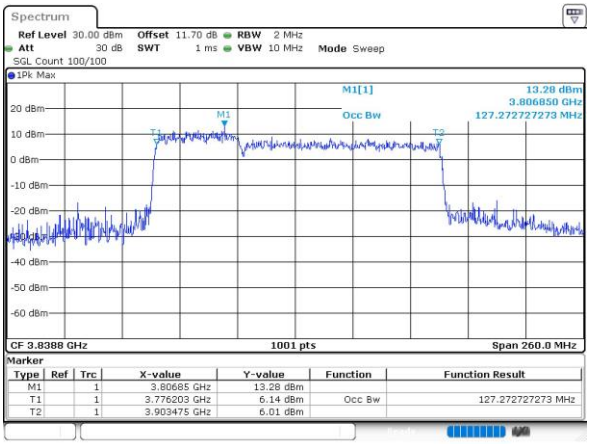

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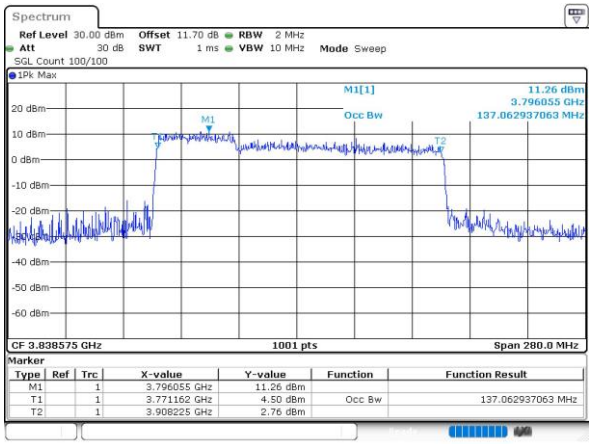
QPSK



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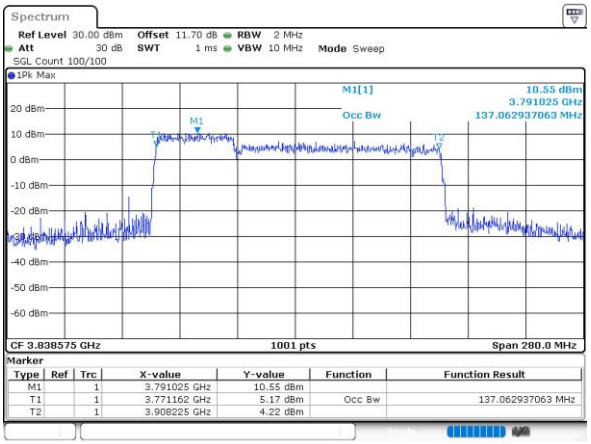

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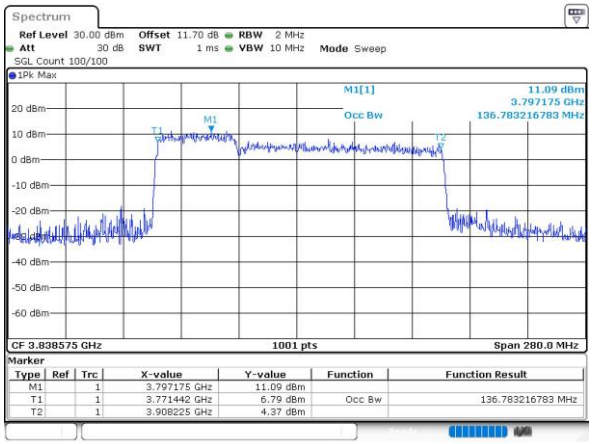

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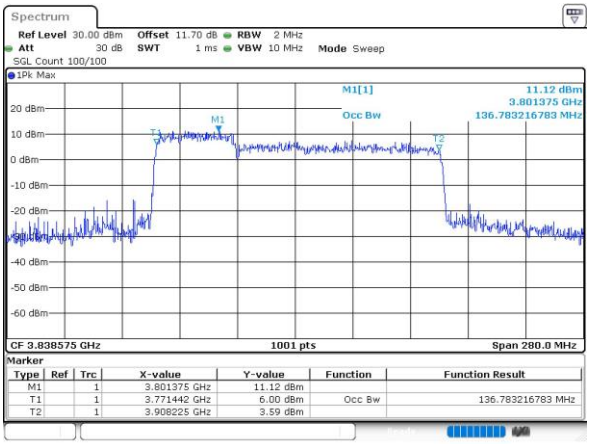
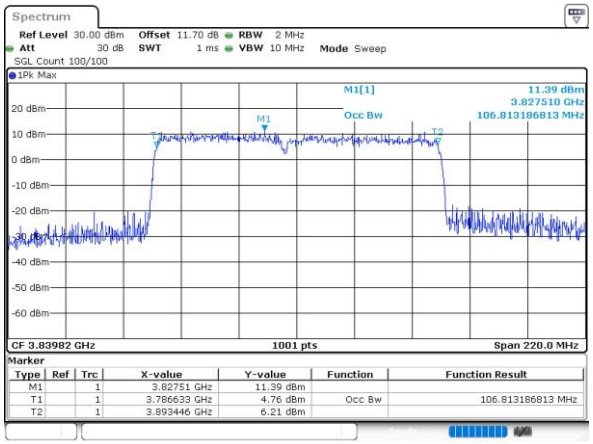


50M+60M

QPSK



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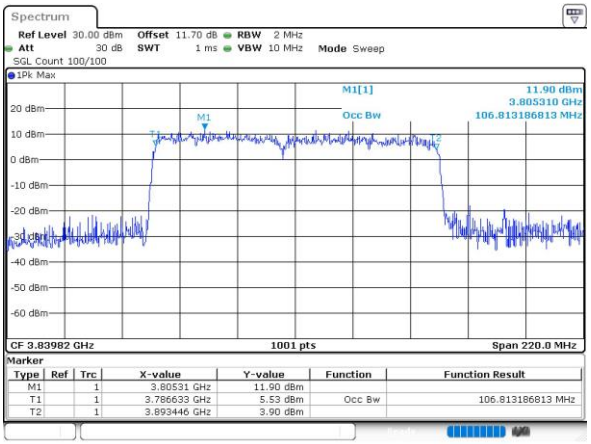

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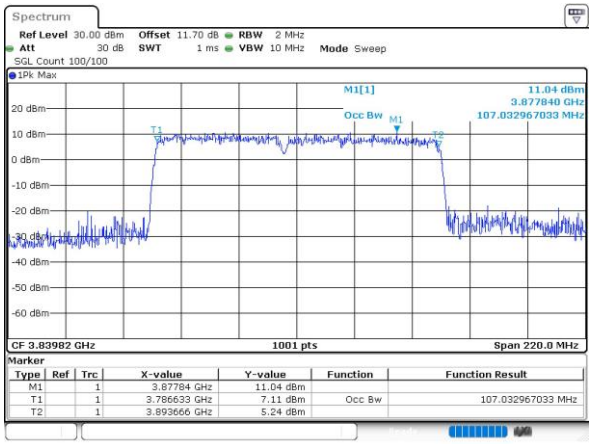

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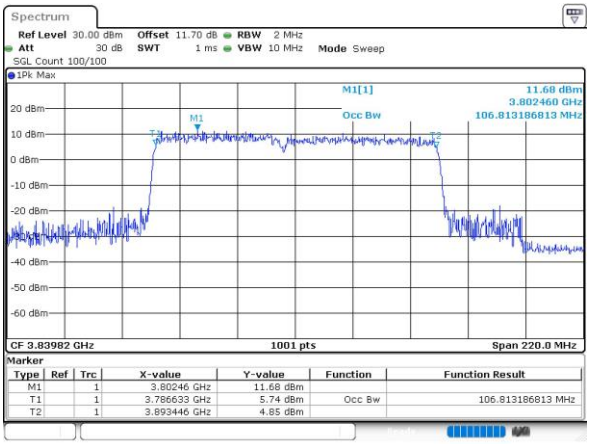
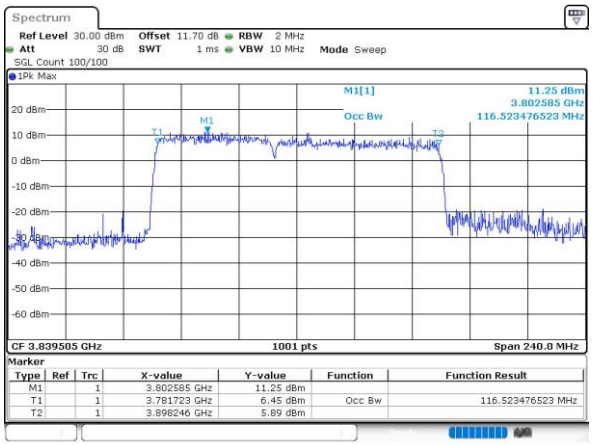


50M+70M

QPSK



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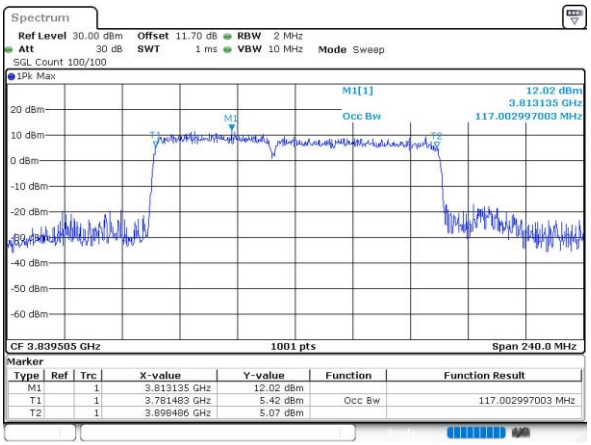

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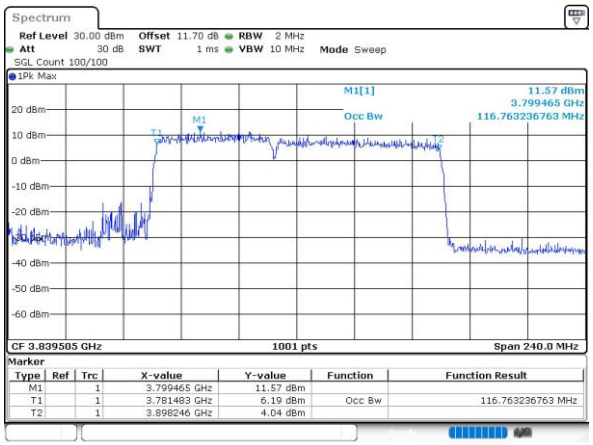
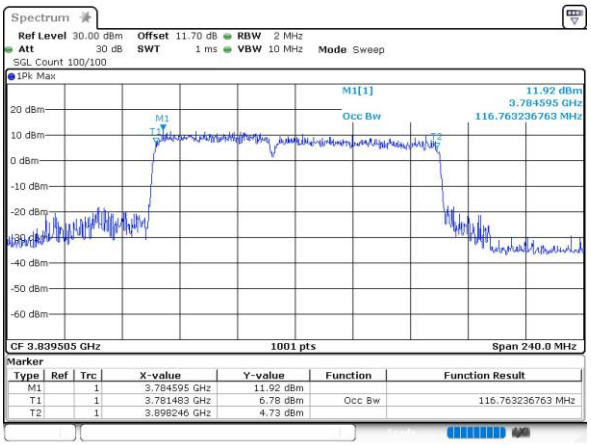
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