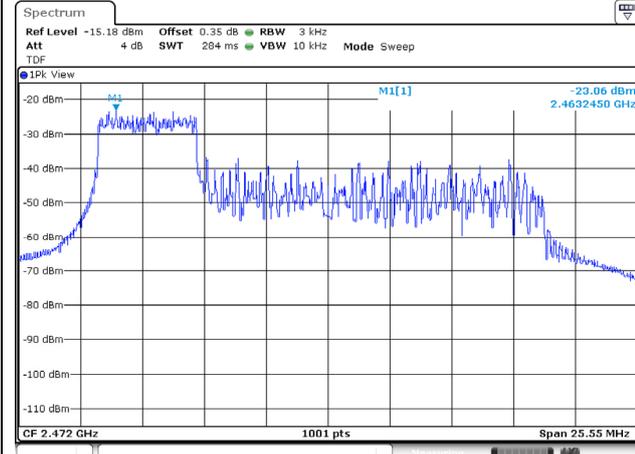


52T / 2 472 MHz

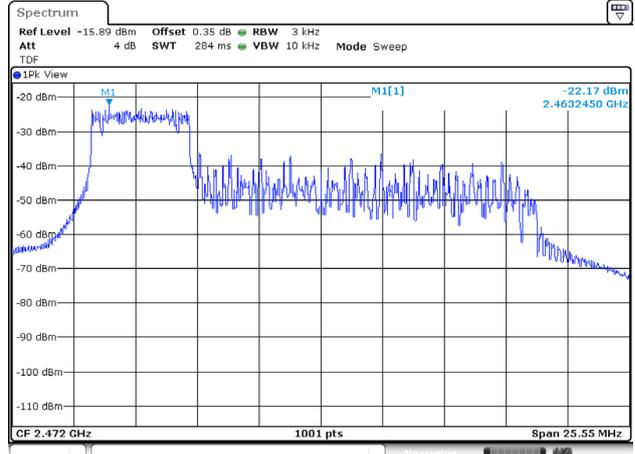
ANT 1

RU offset 37

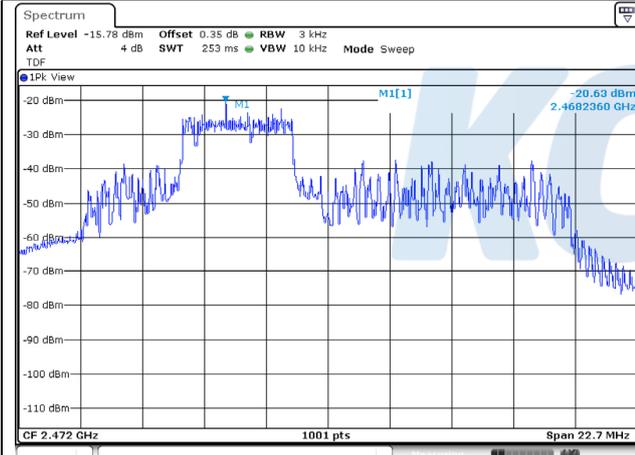


ANT 2

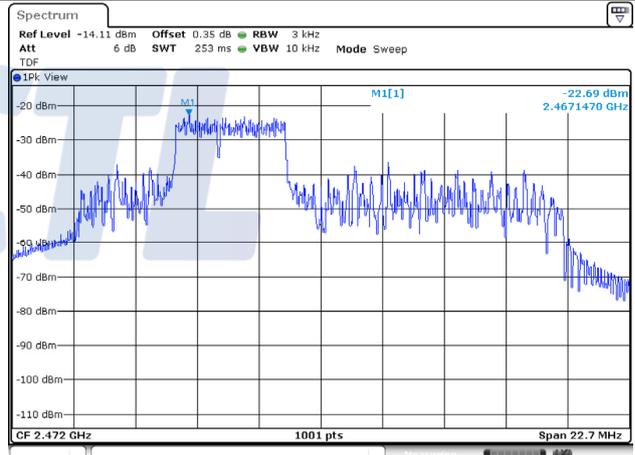
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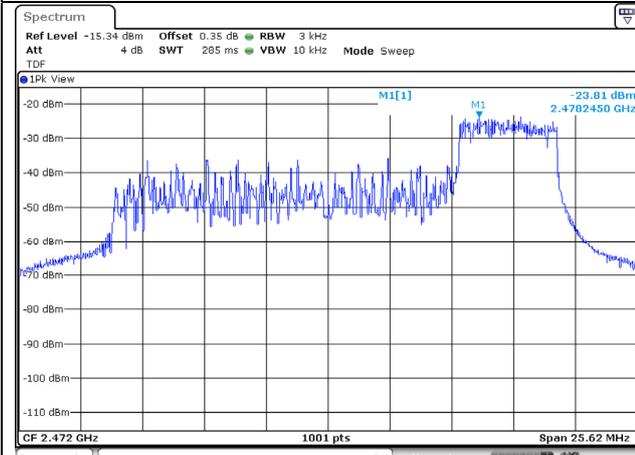
RU offset 38



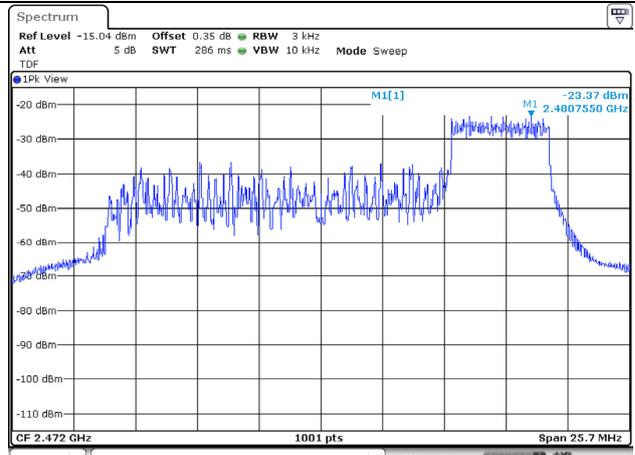
RU offset 38



RU offset 40



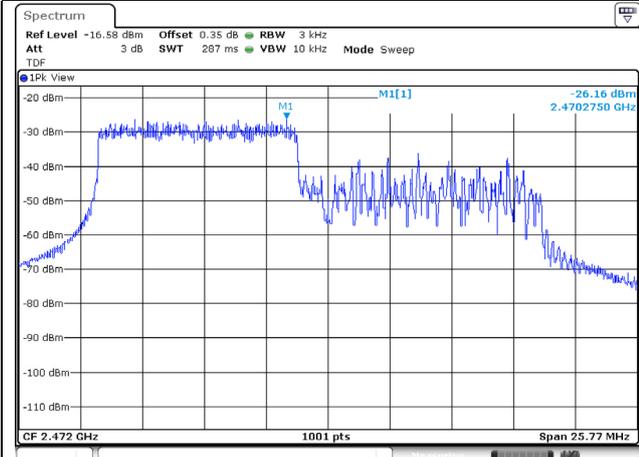
RU offset 40



106T / 2 472 MHz

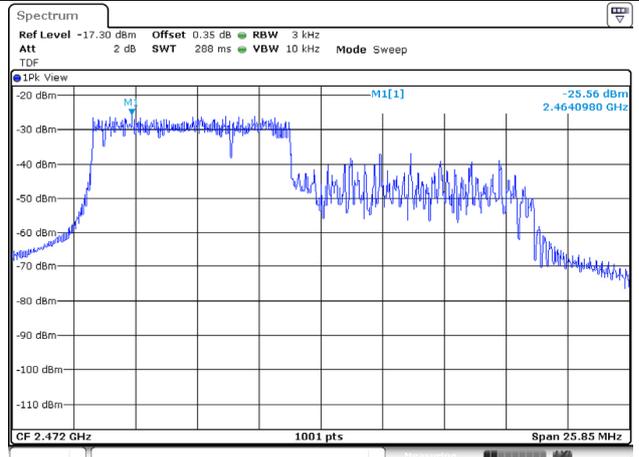
ANT 1

RU offset 53

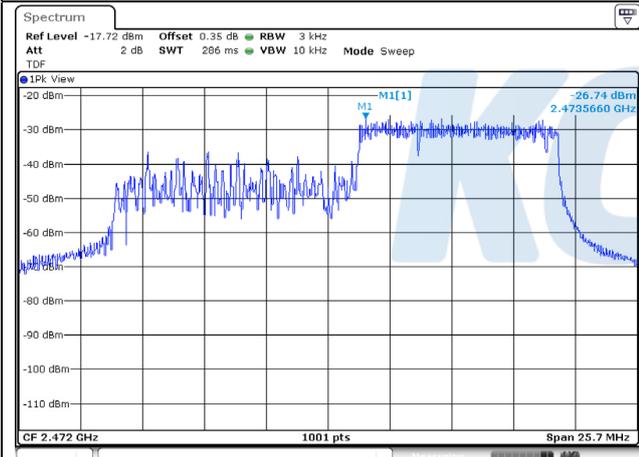


ANT 2

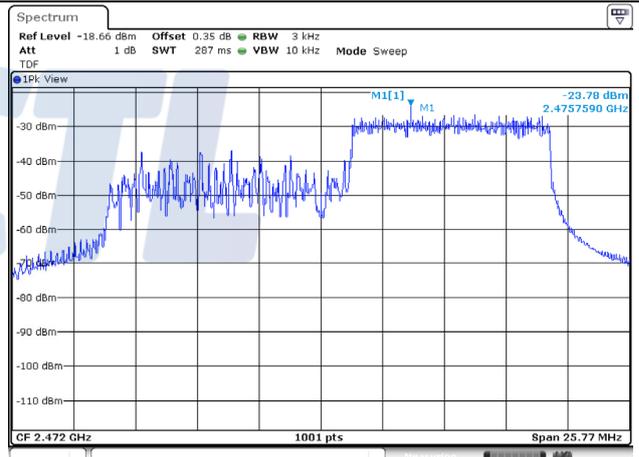
RU offset 53



RU offset 54

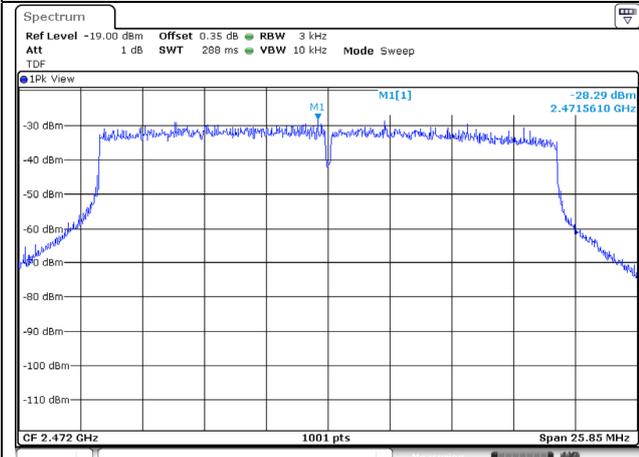


RU offset 54

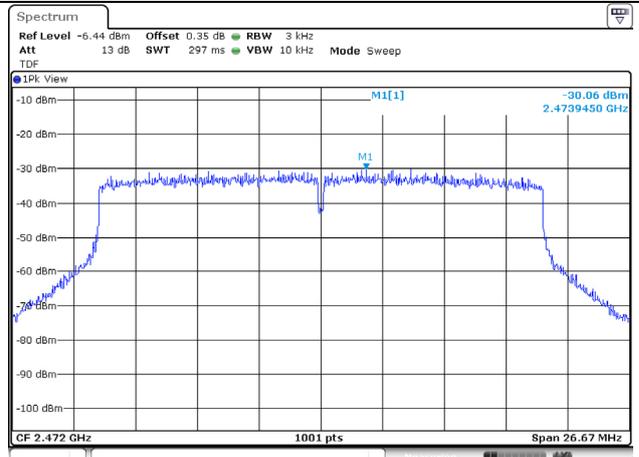


SU / 2 472 MHz

ANT 1



ANT 2



7.3. 6 dB Bandwidth(DTS Channel Bandwidth)

Test setup



Limit

According to §15.247(a)(2) Systems using digital modulation techniques may operate in the 902–928 MHz, 2 400–2 483.5 MHz, and 5 725–5 850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test procedure

ANSI C63.10 - Section 11.8.2

Test settings

DTS bandwidth

One of the following procedures may be used to determine the modulated DTS bandwidth.

Option 1

- 1) Set RBW = 100 kHz.
- 2) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- 3) Detector = Peak.
- 4) Trace mode = max hold.
- 5) Sweep = auto couple.
- 6) Allow the trace to stabilize.
- 7) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Option 2

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW $\geq 3 \times$ RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

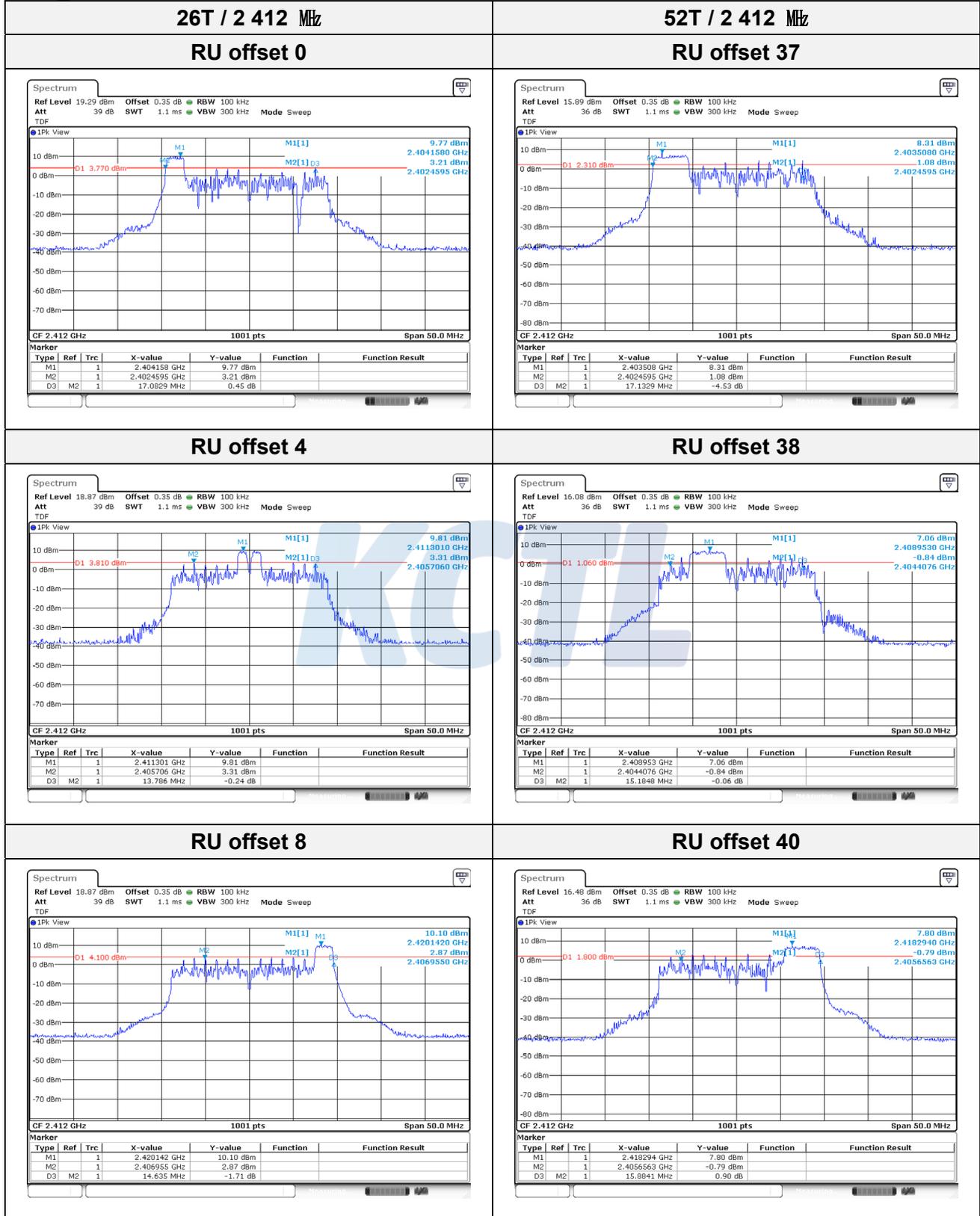
Test results**SISO**

Frequency(MHz)	Tone	RU Offset	6 dB bandwidth(MHz)
2 412	26T	0	17.08
		4	13.79
		8	14.64
	52T	37	17.13
		38	15.18
		40	15.88
	106T	53	18.13
		54	17.18
	SU	-	18.13
	2 437	26T	0
4			13.71
8			13.26
52T		37	17.13
		38	15.18
		40	17.13
106T		53	18.13
		54	15.93
SU		-	18.48
2 462		26T	0
	4		13.79
	8		13.39
	52T	37	15.88
		38	15.18
		40	17.03
	106T	53	17.18
		54	17.93
	SU	-	18.68
	2 467	26T	0
4			14.99
8			15.93
52T		37	17.18
		38	13.94
		40	15.88
106T		53	17.88
		54	17.23
SU		-	17.88
2 472		26T	0
	4		13.79
	8		15.78
	52T	37	17.13
		38	12.69
		40	17.13
	106T	53	17.23
		54	17.18
	SU	-	18.18

MIMO

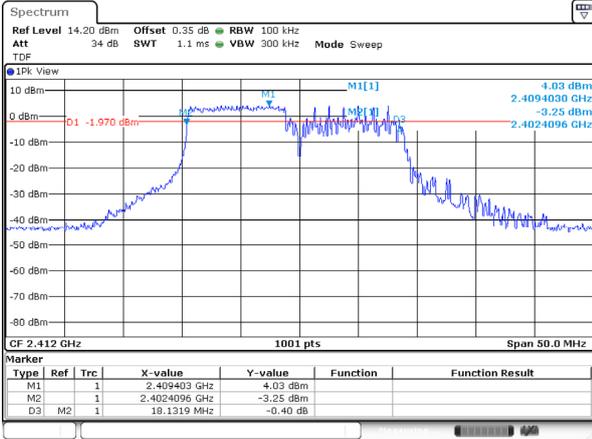
Frequency(MHz)	Tone	RU Offset	6 dB bandwidth(MHz)	
			ANT 1	ANT 2
2 412	26T	0	14.54	14.54
		4	13.79	13.79
		8	14.54	14.59
	52T	37	17.08	17.08
		38	10.44	12.89
		40	15.88	15.83
	106T	53	17.13	17.78
		54	17.13	17.13
	SU	-	18.68	18.13
	2 437	26T	0	14.51
4			13.71	13.71
8			15.76	15.76
52T		37	17.08	17.03
		38	13.84	15.08
		40	17.08	17.03
106T		53	17.18	17.18
		54	17.13	17.13
SU		-	18.63	18.08
2 462		26T	0	14.54
	4		13.79	13.74
	8		15.73	15.78
	52T	37	17.08	14.54
		38	10.44	12.64
		40	17.03	17.08
	106T	53	17.18	17.18
		54	17.03	17.23
	SU	-	18.73	18.33
	2 467	26T	0	14.54
4			13.74	13.74
8			15.78	15.78
52T		37	14.59	17.03
		38	12.99	15.18
		40	17.08	17.13
106T		53	17.18	17.23
		54	17.18	17.23
SU		-	17.03	17.53
2 472		26T	0	14.54
	4		13.79	13.74
	8		15.78	15.78
	52T	37	17.03	17.03
		38	15.13	15.13
		40	17.08	17.13
	106T	53	17.18	17.23
		54	17.13	17.18
	SU	-	17.23	17.78

SISO_ANT 2

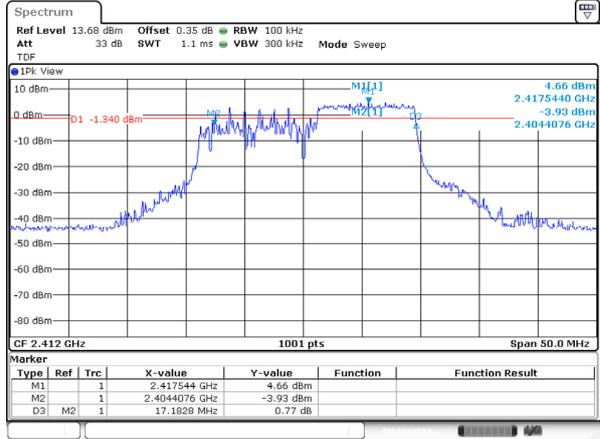


106T / 2 412 MHz

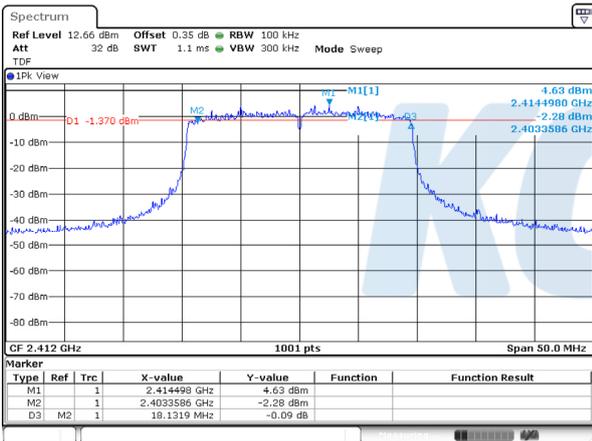
RU offset 53



RU offset 54



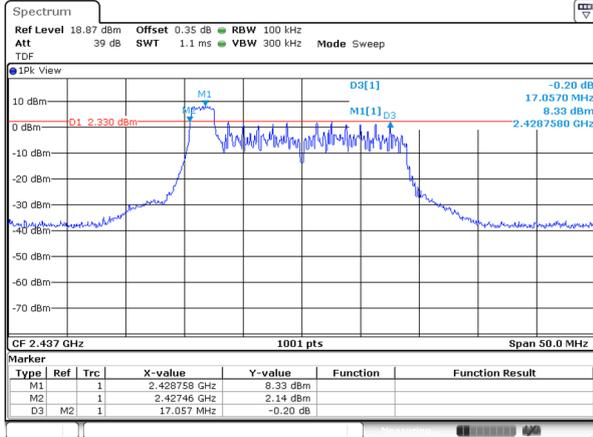
SU / 2 412 MHz



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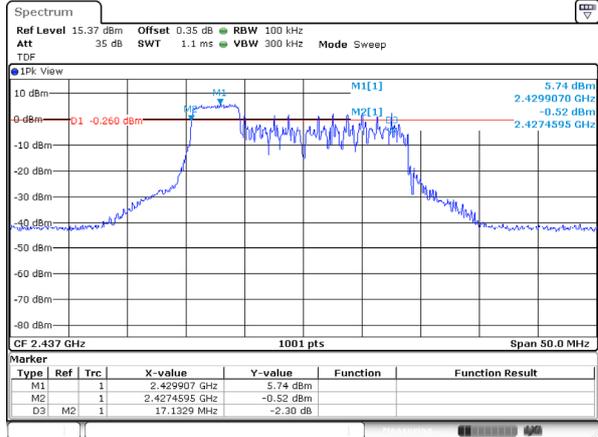
26T / 2 437 MHz

RU offset 0

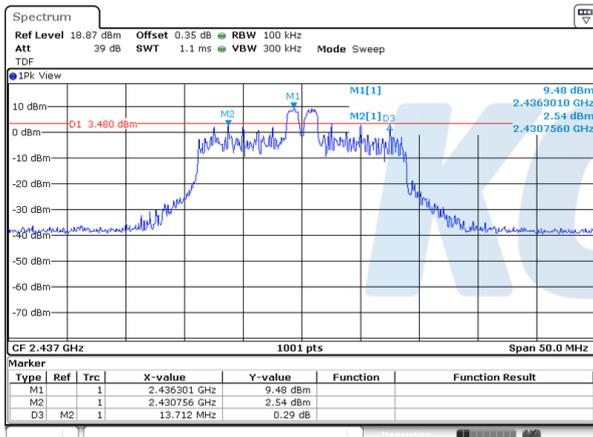


52T / 2 437 MHz

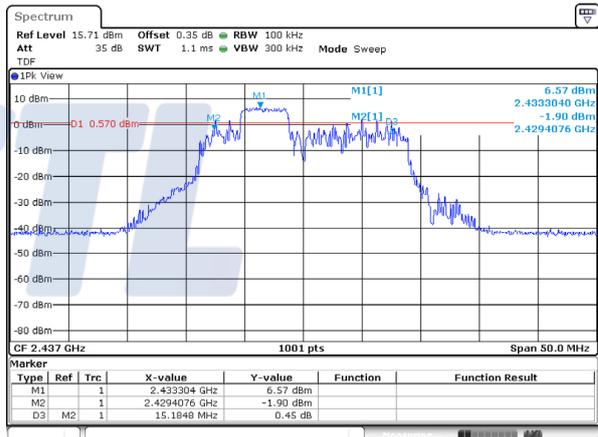
RU offset 37



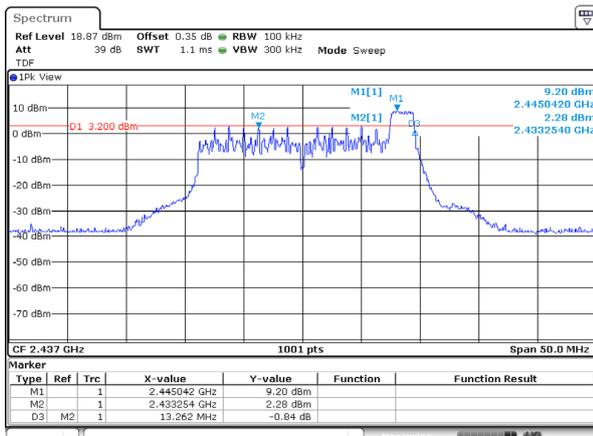
RU offset 4



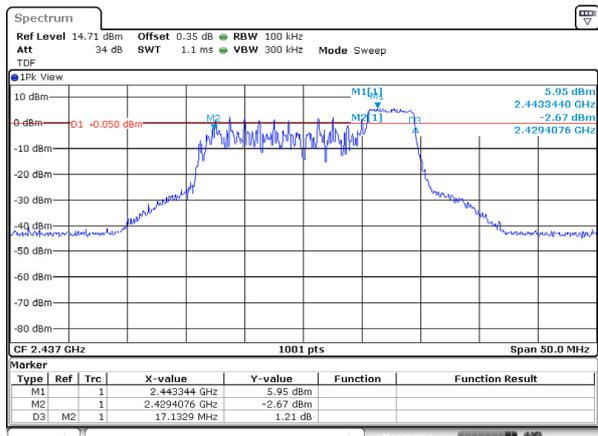
RU offset 38



RU offset 8

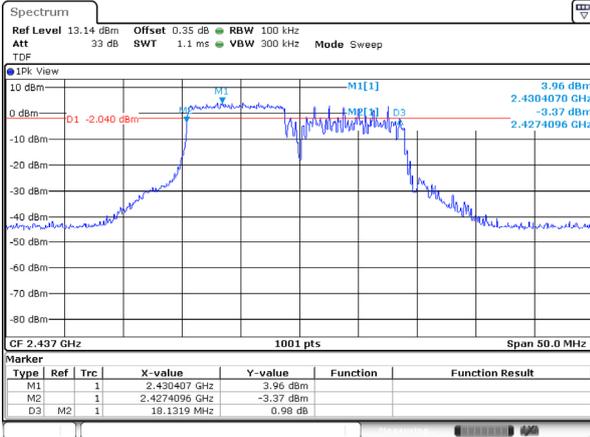


RU offset 40

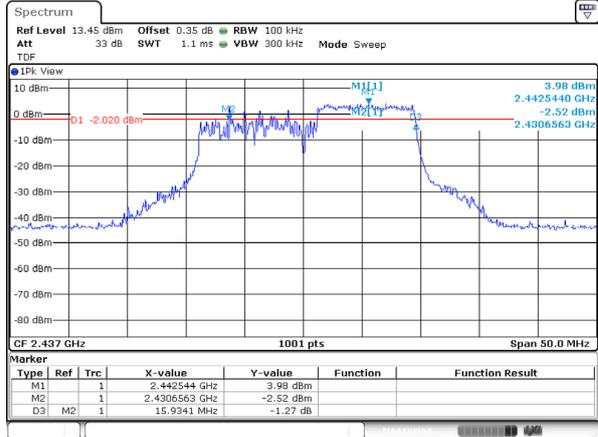


106T / 2 437 MHz

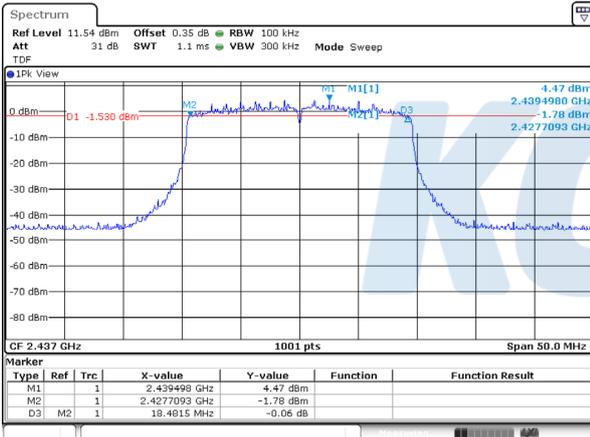
RU offset 53



RU offset 54



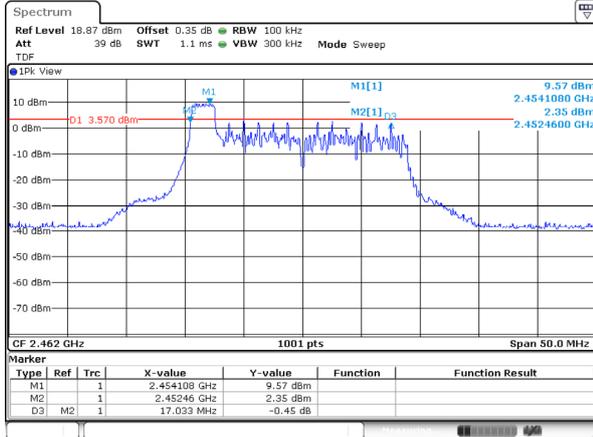
SU / 2 437 MHz



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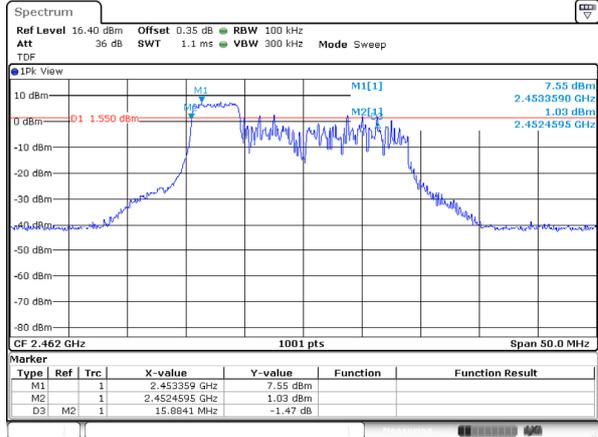
26T / 2 462 MHz

RU offset 0

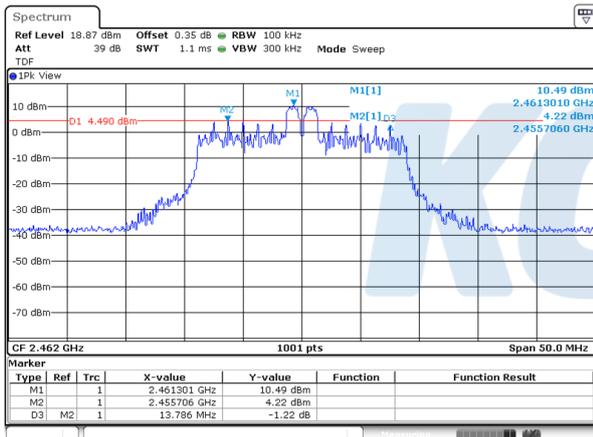


52T / 2 462 MHz

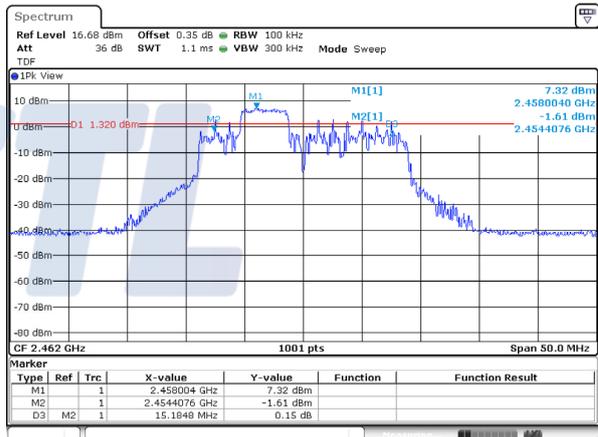
RU offset 37



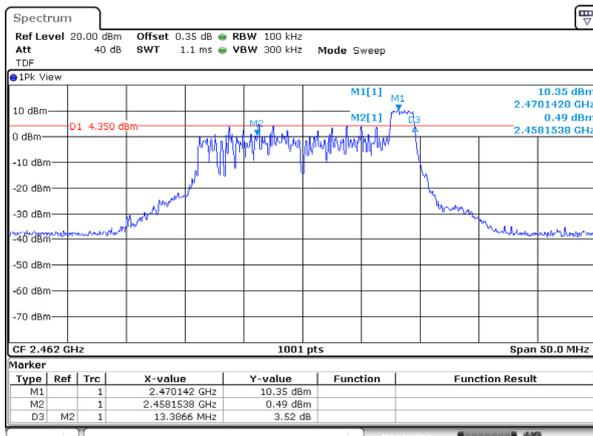
RU offset 4



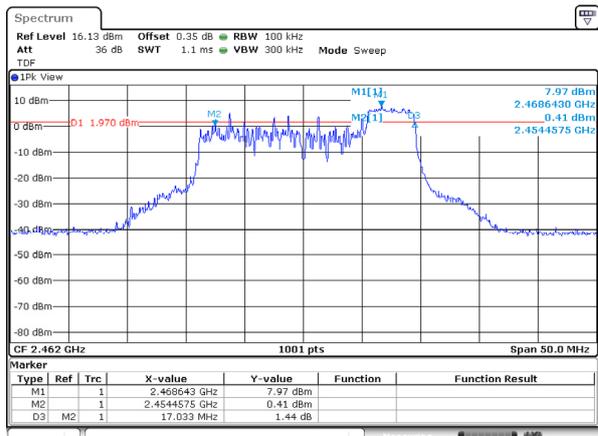
RU offset 38



RU offset 8

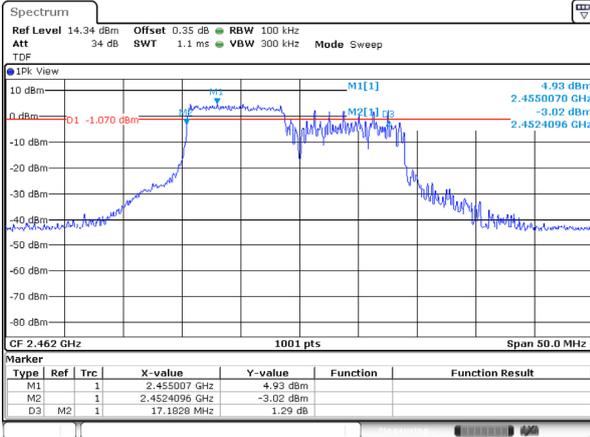


RU offset 40

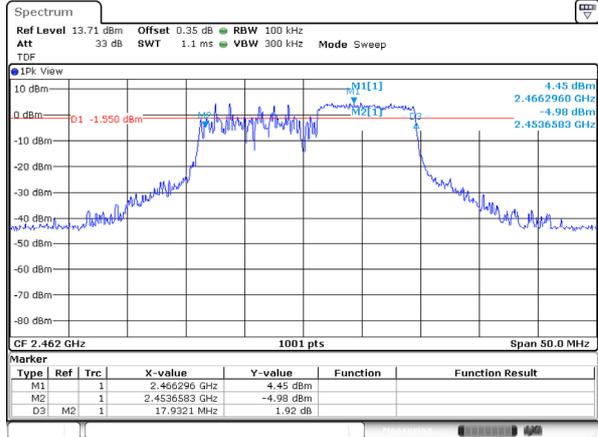


106T / 2 462 MHz

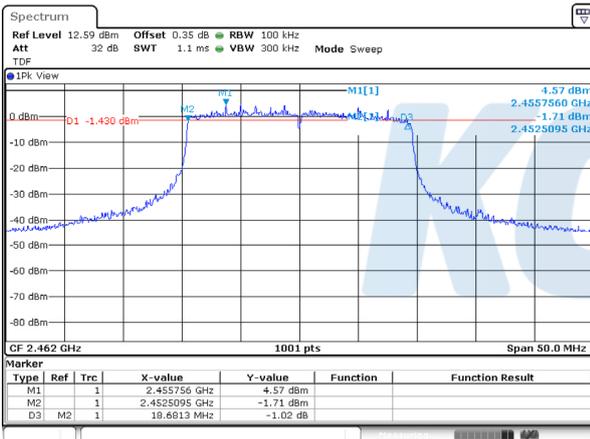
RU offset 53



RU offset 54



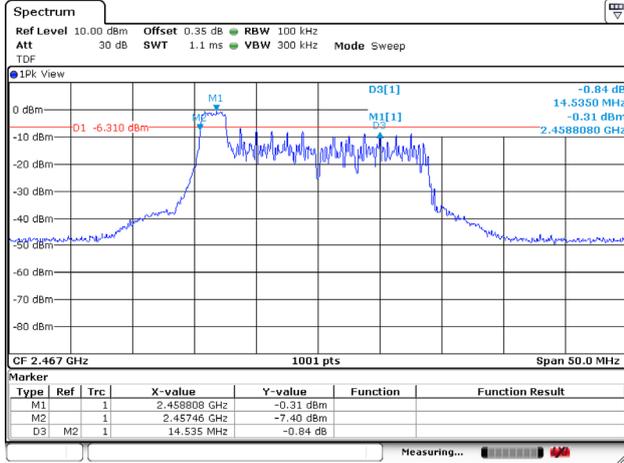
SU / 2 462 MHz



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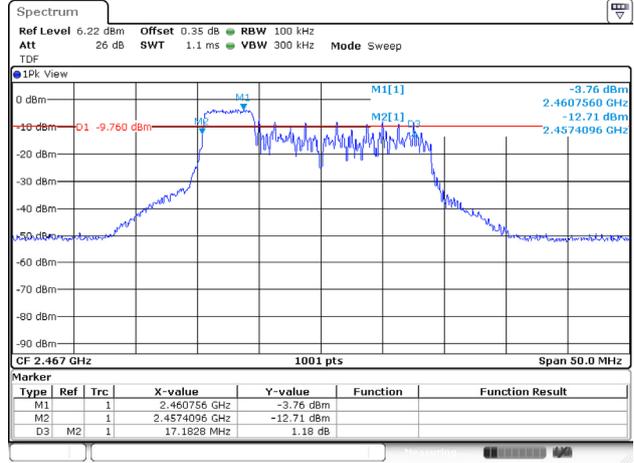
26T / 2 467 MHz

RU offset 0

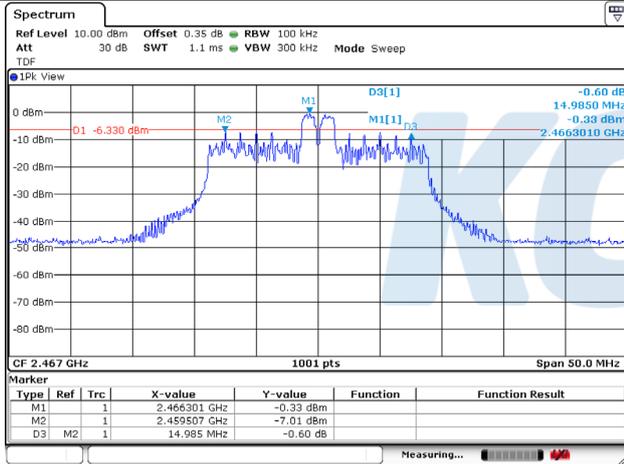


52T / 2 467 MHz

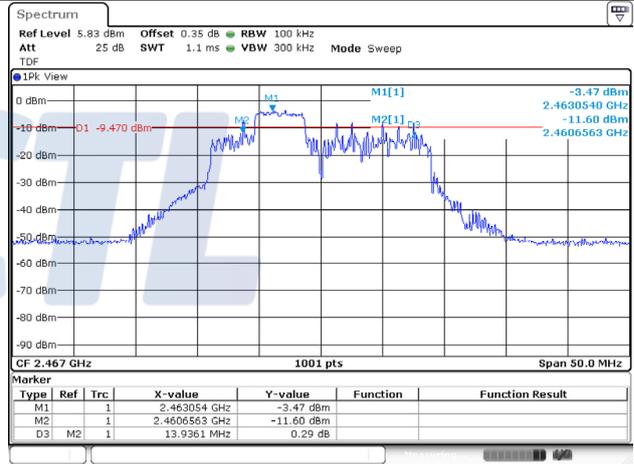
RU offset 37



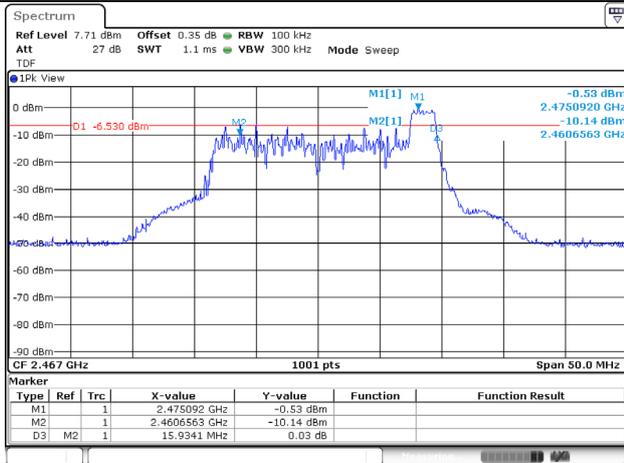
RU offset 4



RU offset 38



RU offset 8



RU offset 40

